Hangar 1 Data Summary Submittal

High Occupancy Area of Zone 1

Former Naval Air Station Moffett Field, California

prepared on behalf of
Planetary Ventures, LLC

prepared by
Rincon Consultants, Inc.

March 2023

RINCON CONSULTANTS, INC.
Environmental Scientists | Planners | Engineers
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Acronyms and Abbreviations

CCV	Continuing Calibration Verification
%D	Percent Difference
DQO	Data Quality Objective
DSS	Data Summary Submittal
DUA	Data Usability Assessment
Enthalpy	Enthalpy Analytical, LLC
EKI	EKI Environment & Water, Inc.
Ft^2	Square Feet
LCS	Laboratory Control Spike
LCSD	Laboratory Control Spike Duplicate
LDC	Lab Data Consultants
McCarthy	McCarthy Building Companies, Inc.
MPC	Measurement Performance Criteria
NACE	National Association of Corrosion Engineers
NAS	Naval Air Station
NASA	National Aeronautics and Space Administration
NTCRA	Non-Time-Critical Removal Action
PCB(s)	Polychlorinated Biphenyl(s)
PV	Planetary Ventures, LLC
QA	Quality Assurance
QC	Quality Control
QL	Quantitation Limit
Rincon	Rincon Consultants, Inc.
RPD	Relative Percent Difference
SOP	Standard Operating Procedure
SSPC	Society for Protective Coatings
UCL	Upper Confidence Limit
µg/100 cm^2	Micrograms per 100 Square Centimeters

µg/ft^2	Micrograms per Square Foot
UFP-QAPP	Uniform Federal Policy Quality Assurance Project Plan
U.S. EPA	United States Environmental Protection Agency
Water Board	San Francisco Bay Regional Water Quality Control Board

Executive Summary

Rincon Consultants, Inc. (Rincon) has prepared this Data Summary Submittal (DSS) on behalf of Planetary Ventures, LLC (PV) for the sampling and analytical activities associated with abatement conducted within the high occupancy area of Zone 1 of Hangar 1 (Figure 1), located at the Former Naval Air Station Moffett Field, California, conducted pursuant to the Agency-approved Final Hangar 1 Non-Time-Critical Removal Action Work Plan. This DSS has been prepared to document achievement of the Cleanup Goals for the structural steel within the high occupancy area of Zone 1 of Hangar 1.

The National Association of Corrosion Engineers (NACE) inspections indicate that the polychlorinated biphenyl (PCB) and lead impacted paint was successfully removed and the surface cleanliness goal has been met, as shown in Attachment 1, and the Data Usability Assessment (DUA) indicates that the collected confirmation wipe sampling data are suitable for comparison against the numerical Cleanup Goals. The 95-percent upper confidence limit (UCL) for the mean lead concentration in the 61 wipe samples collected from within the high occupancy area of Zone 1 was approximately 142 micrograms per square feet (µg/ft^2), which is below the numerical Cleanup Goal for lead (i.e., 250 µg/ft^2). The 95-percent UCL for the mean PCB concentration in the confirmation wipe samples was not calculated because PCBs were not detected above the laboratory quantitation limit of 1 microgram per 100 square centimeters (i.e., 1 µg/100 cm^2) in any of the confirmation samples collected from within the high occupancy area of Zone 1.

Based on the NACE inspections and the PCB and lead confirmation wipe sampling results, the abated structure within the high occupancy area of Zone 1 is suitable for high occupancy use. Based on the findings presented herein, PV requests that the United States Environmental Protection Agency and San Francisco Bay Regional Water Quality Control Board provide concurrence that no further abatement is required for the high occupancy area of Zone 1.

1 Introduction

Rincon Consultants, Inc. (Rincon) has prepared this Data Summary Submittal (DSS) on behalf of Planetary Ventures, LLC (PV) to document attainment of the Cleanup Goals within the high occupancy area[1] of Zone 1 of Hangar 1 (Figure 1), located at Former Naval Air Station (NAS) Moffett Field, California, conducted pursuant the Agency-approved[2] Final Hangar 1 Non-Time-Critical Removal Action (NTCRA) Work Plan (EKI, 2022). Additional details about the sampling procedures and analytical methods used in the collection of these samples are presented in the NTCRA Work Plan.

The NTCRA is currently being performed by PV on behalf of the National Aeronautics and Space Administration (NASA), the Responsible Party for Hangar 1, and is being conducted by McCarthy Building Company (McCarthy), which has been retained by PV. The United States Environmental Protection Agency (U.S. EPA) and the San Francisco Bay Regional Water Quality Control Board (Water Board) are the Regulatory Agencies with regulatory oversight during implementation of the NTCRA. Additional details about the removal action are presented in the NTCRA Work Plan (EKI, 2022).

This DSS has been prepared to document achievement of the Cleanup Goals for the structural steel within the high occupancy area of Zone 1 of Hangar 1 and includes:

(1) The National Association of Corrosion Engineers (NACE) inspection reports documenting the removal of all visible paint from the abated surfaces and achievement of a NACE #3 / Society for Protective Coatings (SSPC) SP-6 Surface Cleanliness Standard (Attachment 1);
(2) The tabulated confirmation sampling results for the validated data (Attachment 2);
(3) The final laboratory analytical reports for the confirmation wipe samples and Field Quality Control (QC) samples (Attachment 3);
(4) The input and output files for the calculated 95-percent upper confidence limits (UCLs) for the mean concentration of polychlorinated biphenyls (PCBs) and lead in the confirmation wipe samples (Attachment 4); and,
(5) The data validation reports prepared by Lab Data Consultants (LDC) (Attachment 5).

The clearance wipe sampling results for Zone 1 are evaluated in the data summary submittal report prepared by Rincon for the low occupancy area of Zone 1 (Rincon, 2023).

[1] The high occupancy area of Zone 1 includes the area below 55-feet above the hangar floor in Enclosures A, B, and C.

[2] The NTCRA Work Plan was approved by the Agencies on March 4, 2022.

2 Attainment of Cleanup Goals

In accordance with Section 5.1 of the NTCRA Work Plan, the Cleanup Goals for non-porous surfaces are as follows.

Substrate	Chemicals	Elements	Cleanup Goals
Non-Porous Surfaces	• PCBs • Lead	• Visual Inspection by qualified NACE/SSPC surface coating inspector • Collection and analysis of wipe confirmation samples	• No visible paint remains • Achievement of NACE #3/SSPC SP-6 surface preparation and visible cleanliness standard • PCBs: ≤10 micrograms per 100 square centimeters (µg/100 cm^2) • Lead: <250 micrograms per square foot (µg/ft^2)

The numerical Cleanup Goal is that the 95-percent UCL of the mean concentration of PCBs and lead in the confirmation wipe samples are below the indicated levels. In addition, the NTCRA Work Plan requires that no single confirmation wipe sample result exceeds 5-times the Cleanup Goal and that no more than 10-percent of the sample results may exceed 3-times the Cleanup Goal.

The visual inspection (Section 2.1) and confirmation wipe sampling (Section 2.2) results indicate that the Project Cleanup Goals have been met and no additional abatement is necessary within the high occupancy area of Zone 1.

2.1 Visual Inspections

In accordance with the NTCRA Work Plan, following completion of abatement and cleaning activities and prior to the collection of confirmation wipe samples, a qualified NACE inspector inspected the surfaces for the presence of visible paint and the achievement of a NACE #3/SSPC SP-6 surface cleanliness standard.

Within the high occupancy area of Zone 1, the qualified NACE inspector confirmed that all visible paint had been removed from the abated surfaces and that the abated surfaces achieved a NACE #3/SSPC SP-6 surface cleanliness standard or better. The NACE inspection reports are included in Attachment 1.[3]

[3] The Zone and Enclosure, as well as the scaffolding levels that correspond with wipe sample locations are provided within the header of NACE inspection reports.

2.2 Confirmation Sampling Results

In accordance with the NTCRA Work Plan, following confirmation that the non-porous surfaces met NACE #3/SSPC SP-6 surface preparation and visual cleanliness standard, confirmation wipe samples were collected for comparison to the numerical Cleanup Goals for PCBs and lead.

2.2.1 Abatement and Sampling Efforts

A total of 148 confirmation wipe samples were collected from the high occupancy area of Zone 1, including all QC samples, i.e., media blank samples and field duplicate samples. Of the 148 confirmation wipe samples, and associated QC samples, 74 were lead wipe samples and 74 were PCB wipe samples:

- Sixty-one (61) lead confirmation wipe samples, and 61 PCB confirmation wipe samples;
- Five lead media blank samples and five PCB media blank samples; and,
- Eight lead duplicate confirmation wipe samples and eight PCB duplicate confirmation wipe samples.

The tabulated confirmation wipe sampling and QC results, with both laboratory and data validation flags are included in Attachment 2. The laboratory analytical reports for confirmation wipe samples and QC samples are included in Attachment 3. Based on the data validation reports (Attachment 5), QC samples, and the data useability assessment (Section 3), the validated confirmation wipe sampling data (Attachment 2) are considered suitable for comparison to the numerical Cleanup Goals.

2.2.2 Evaluation of the Confirmation Wipe Sampling Data

All PCB confirmation wipe sample results were below the laboratory quantitation limit (QL) of 1.0 µg/100 cm^2 for all of the PCBs analyzed; therefore, none of the PCB sample results exceeded the Cleanup Goal for the high occupancy area of ≤10 µg/100 cm^2.

A total of six of the lead confirmation wipe samples, or 8-percent, exceeded the Cleanup Goal of <250 µg/ft^2; none of these samples exceeded 3 or 5-times the Cleanup Goal. As seen in Table 1, the 95-percent UCL of the mean lead concentration (i.e., 142 µg/ft^2) in the confirmation wipe samples is below the Cleanup Goal.

Table 1 95-Percent UCL for Confirmation Wipe Samples

Analyte	Method	Cleanup Goal	95% UCL
Lead	US EPA Method 3050M/6010B	<250 µg/ft^2	142 µg/ft^2
PCB	US EPA Method 8082	≤10 µg/100 cm^2	--[a]
Notes: [a] The 95-percent UCL was not calculated for PCBs because all analytical results were below laboratory QLs.			

Rincon calculated the 95-percent UCL for the mean lead concentration in the confirmation wipe samples using Version 5.2 of the ProUCL program (U.S. EPA, 2022). The 95-percent UCL of the mean lead concentration was calculated for all lead confirmation wipe samples; the results for the media blank samples and the lower of the duplicate sampling results were not included in the calculation of the 95-percent UCL. The 95-percent UCL input and output files are included in Attachment 4. The 95-percent UCL was not calculated for PCBs because PCBs were not detected above laboratory QLs in any of the confirmation wipe samples collected.

3 Data Usability Assessment

This section summarizes Rincon's review of the data validation reports prepared by LDC for the confirmation wipe samples (Attachment 5). It summarizes compliance with sampling procedures included in the Uniform Federal Policy Quality Assurance Project Plan (UFP-QAPP) such as the number of locations of samples and field QC samples.

Based on this data usability assessment, the validated confirmation wipe sampling data are considered suitable to assess whether the 95-percent UCL of the mean concentrations of lead and PCBs in the confirmation wipe samples are less than the numerical Cleanup Goals.

3.1 Data Verification

At the end of each day, Rincon personnel verified that appropriate field records were present and complete for each specific activity conducted. In addition, Rincon personnel verified that all of the planned samples, including field QC samples, were collected and adequately documented. The Rincon Data Manager verified that all changes/exceptions to the scope of work were documented and reported appropriately in Biweekly Reports prepared during abatement activities. Chain-of-custody forms were reviewed on a daily basis by the Rincon Data Manager to confirm that each form was filled out appropriately and that all required signatures and dates were present.

A field audit, which included a review of the field sampling protocols, was conducted on June 30, 2022. Rincon's field manager observed field personnel conducting field sampling activities to confirm that all activities were conducted in accordance with SOPs developed for field sampling activities associated with the NTCRA.[4] The results of the field audit indicated that the field activities being conducted at Hangar 1, including confirmation wipe sampling activities, were being conducted in accordance with the NTCRA Work Plan as well as the SOPs developed for field activities associated with the NTCRA.

Field QC samples were collected in accordance with the UFP-QAPP. A summary of the total number of samples and field quality control samples is provided for lead and PCBs in Table 2 and Table 3, respectively.

Table 2 Lead Wipe Sample Summary

	No. of Lead Confirmation Wipe Samples	**No. of Field Duplicates or Frequency**	**No. of Media Blanks or Frequency**
Required frequency per UFP-QAPP Worksheet #20-2	1 sample per every 1,000 ft^2 of abated steel	10%	5%
Anticipated Number of Samples	80 [a]	8 [10%]	4 [5%]
Actual Square Footage within the High Occupancy Area of Zone 1	60,047 square feet (ft^2)		
Samples Collected	61	8	5
Actual Frequency	1 sample per every 984 ft^2 of abated steel	13.1%	8.2%
Notes: [a] Original sample counts included in the UFP-QAPP were based on an estimated surface area of 80,000 ft^2 of steel.			

[4] For more information, please refer to the Biweekly Report for the period ending on July 1, 2022.

Table 3 PCB Wipe Sample Summary

	No. of PCB Confirmation Wipe Samples	No. of Field Duplicates or Frequency	No. of Media Blanks or Frequency
Required frequency per UFP-QAPP Worksheet #20-2	1 sample per every 1,000 ft^2 of abated steel	10%	5%
Anticipated Number of Samples	80 [a]	8 [10%]	4 [5%]
Actual Square Footage within the High Occupancy Area of Zone 1	60,047 ft^2		
Samples Collected	61	8	5
Actual Frequency	1 sample per every 984 ft^2 of abated steel	13.1%	8.2%
Notes: [a] Original sample counts included in the UFP-QAPP were based on an estimated surface area of 80,000 ft^2 of steel.			

Confirmation lead and PCB wipe samples were collected at a rate of approximately one sample per 984 square feet (ft^2) of abated steel (i.e., a slightly greater frequency than described in Worksheet #20-2 of the UFP-QAPP). The number of media blank samples and field duplicate samples was equal to or slightly greater than the number described in Worksheet #20-2 of the UFP-QAPP.

3.2 Data Validation

LDC conducted data validation on the analytical laboratory reports for the confirmation wipe samples collected, which included a review of chain-of-custody forms and laboratory deliverables. Stage 3 validation was conducted on 72 samples and Stage 2A validation was conducted on the remaining 76 samples (Attachment 5).

Based on LDC's review of the analytical laboratory reports and their supporting data[5], the results for several samples were qualified using flags (Attachment 5); however, none of the analytical results were rejected. See Section 3.4.1, 3.4.2 and Attachment 5 for additional details.

3.3 Data Precision

Data precision is a quantitative measure of the variability of a group or data compared to their average value. Precision is stated in terms of relative percent difference (RPD) for pairs of data or relative standard deviation for larger groups of data. Below is a discussion of the data precision evaluation conducted on the confirmation wipe samples collected.

3.3.1 Laboratory Duplicate Samples

A summary of laboratory duplicate samples is presented in Table 4.

[5] The data validation reports indicate that the required laboratory analytical QC samples analyzed for each batch of samples align with Worksheet #28 of the UFP-QAPP.

Table 4 Laboratory Duplicate Sample Summary

Laboratory QC Sample	No. of Lab QC Samples Analyzed	MPC	No. of Lab QC Samples Exceeding MPC	Percentage of Laboratory QC Samples that Exceeded the MPC
LCS/LCSD - Lead	8	RPD ≤20%	0	0%
LCS/LCSD - PCB	7	RPD ≤20%	0	0%

Notes:
LCS: Laboratory Control Spike
LCSD: Laboratory Control Spike Duplicate

Laboratory duplicate samples were analyzed at the required frequency outlined in the Worksheet #28 of the UFP-QAPP (i.e., one laboratory control spike [LCS]/laboratory control spike duplicate [LCSD] pair per 20 samples or per batch if less than 20 samples). All lead and PCB duplicate laboratory sample pairs met the measurement performance criteria (MPC) outlined in the UFP-QAPP.

3.3.2 Field Duplicate Samples

A summary of field duplicate samples is provided in Table 5.

Table 5 Field Duplicate Sample Summary

Analyte – Sample Type	No. of Field Duplicate Samples Collected	MPC	No. of Field Duplicate Samples in Exceedance of the MPC	Percentage of Field Replicate Samples that Exceeded the MPC
Lead – Wipe	8	RPD ≤100%	0	0%
PCB – Wipe	8	RPD ≤100%	-- [a]	-- [a]

Notes:
[a] In accordance with the UFP-QAPP, RPDs were not calculated for duplicate samples where the analyte is less than the QL in one or both samples.

PCBs were not detected above laboratory QLs in any of the duplicate samples and as a result, RPDs were not calculated. All lead field duplicate samples met the MPC outlined in the UFP-QAPP.

3.4 Data Accuracy/Bias

Data bias may result from systematic analytical error and is evaluated based on sample spike results for routine QC samples prepared and analyzed by the analytical laboratory. Data accuracy is a measure of the overall agreement with a known value and includes a combination of random error and systematic error, with both parameters potentially resulting from analytical error. Data accuracy is evaluated using laboratory QC samples.

3.4.1 Laboratory QC Samples

A summary of the laboratory QC samples is provided in Table 6.

Table 6 Laboratory QC Sample Summary

Laboratory QC Samples	No. of Samples Analyzed	MPC	No. of Samples Outside of the MPC	Percentage of Samples that do not meet MPC
Lead LCS and LCSD	16	%R 80-120%	0	0%
Lead Method Blank Samples	8	<QL	0	0%
PCB LCS and LCSD	14	%R 60-140%	0	0%
PCB Method Blank Samples	7	<QL	0	0%

All the laboratory QC samples for lead and PCB confirmation wipe samples met the MPC outlined in the UFP-QAPP.

A continuing calibration verification (CCV) standard is a mid-level standard analyzed during and/or at the end of an analytical batch. CCV verifies that the instrument has not drifted from the initial calibration response and is only assessed during the Stage 3 data validation process. The percent difference (%D) measured during CCV in 15 samples exceeded the MPC of ≤20% for Aroclors 1260, 1248, 1254, 1262, and 1268 (LDC Report #54874_RV1 and #54926_RV2). In addition, the %D measured during CCV in 9 samples exceeded the MPC of ≤20% for all Aroclors (LDC Report #54926_RV2). Data qualifiers (i.e., "UJ" flags) were applied to the affected Aroclors for each sample where the %D exceeded the MPC of ≤20%, as shown in Attachment 2.

3.4.2 Field QC Samples

A summary of the field media blank samples is provided in Table 7.

Table 7 Field QC Sample Summary

Laboratory QC Samples	No. of Samples Analyzed	MPC	Percentage of Samples that do not meet MPC
Lead Media Blank Samples	5	<QL	80%
PCB Media Blank Samples	5	<QL	0%

Lead was detected above the laboratory QL in four of the five media blank samples collected. Media blank samples were collected by removing them from their original packaging and placing them directly into the sampling container by Rincon field personnel in the enclosures during confirmation wipe sampling activities; therefore, lead detected in media blank samples is likely a result of low concentrations that are known to be in the air following abatement and cleaning activities within the enclosures as opposed to lead in the wipe sampling media.[6] Data qualifiers (i.e., "U" flags) were applied to two lead results that were less than 5-times the concentration of lead detected in the media blank sample (i.e., DOOR-N-0.4GE-INT-17 TO 18-220823-CB and DOOR-N-0.5GE-INT-16 TO 17-220823-CB). PCBs were not detected above laboratory QLs in any of the media blank samples.

3.5 Summary of Representativeness, Completeness, and Comparability

3.5.1 Representativeness

Representativeness is a qualitative measure that expresses the degree to which data accurately and precisely represent a characteristic of a population, parameter variations at the sampling point, a process condition, or an environmental condition.

Sample collection and analysis was performed in compliance with the field and laboratory SOPs included in the UFP-QAPP for the collection and analysis of lead and PCB confirmation wipe samples. All confirmation wipe samples were analyzed within acceptable sample hold times and all field and laboratory personnel adhered to the appropriate sample handling and storage

[6] Because lead was detected in personal air samples that were collected during NACE inspection and confirmation wipe sampling activities, it is understood that lead dust remains suspended in the air throughout such activities and is anticipated to contribute small to negligible concentrations of lead to confirmation wipe samples. NACE inspectors, Rincon, and other trades that may enter the structure before it is pressure washed are required to wear half-face respirators with P100 filters, which protects these personnel from potential exposures to residual concentrations of lead that may be present in the air within the enclosures.

requirements outlined in the UFP-QAPP. The data are therefore considered representative of the samples collected.

3.5.2 Completeness

A summary of the completeness of the confirmation wipe samples is summarized in Table 8.

Table 8 Completeness for Confirmation Wipe Samples

Analyte – Sample Type	Total No. of Samples	Usable Results (%)	Unusable Results (%)	% Completeness - Measurement Performance Criteria
Lead – Wipe	74	100%	0%	>90%
PCB – Wipe	74	100%	0%	>90%

Completeness is a measure of the amount of valid data obtained from a measurement system compared to the total number of measurements necessary to achieve Data Quality Objectives (DQOs) at a specified level of confidence. After data validation, the percent completeness is calculated by dividing the number of samples with valid data by the number of samples collected. Valid data includes both unqualified data that passes all QC criteria and qualified data that did not pass all the QC criteria but was not flagged for rejection.

As described in Sections 3.4.1 and 3.4.2, data qualifiers were applied to some of the data. These data qualifiers were determined not to affect the ability to compare confirmation wipe sample data to respective Cleanup Goals.

The data validation process did not result in the rejection of any confirmation wipe sampling data.

3.5.3 Comparability

Comparability is a qualitative term that expresses the confidence with which a data set can be compared with another. Data is considered comparable if Quality Assurance (QA)/QC measures, such as sample collection procedures, analytical methods, reporting units, and analytical reporting limits are equivalent for the samples within a data set. Adherence to QA/QC measures assures that samples collected in similar conditions (i.e., the high occupancy area of Zone 1) are comparable. Comparability criteria are met if, based on data validation, the sample collection and analytical procedures are determined to have been followed, or variations in sample collection and analytical procedures were deemed to not have resulted in sample results being rejected.

To ensure comparability of the data generated for the high occupancy area of Zone 1, sample collection and analytical procedures adhered to the requirements outlined in the UFP-QAPP. Based on the field audit conducted on June 30, 2022, as well as regular reviews of field forms and chain-of custody forms, it was determined that field activities, including confirmation wipe sampling activities, were conducted in accordance with the NTCRA Work Plan as well as SOPs developed for field activities associated with the NTCRA.

As described in the memorandum included in Attachment 6, the Project Team noticed that the extraction method that had been used for PCB confirmation and clearance wipe samples collected from the high occupancy area of Zone 1 was a different method than the extraction methods included in the UFP-QAPP and the UFP-QAPP Attachment D-2. The team worked with Enthalpy Analytical, LLC (Enthalpy) to demonstrate that the extraction method used was capable of meeting the Project Cleanup Goals. On December 9, 2022, Rincon personnel collected 20 side-by-side

confirmation wipe samples from various locations within Zone 3 Enclosure C/D and 20 side-by-side clearance samples from various locations within Zone 2 Enclosure B/C and had each sample pair extracted using EPA Method 3572M and EPA Method 3546. PCBs were not reported at concentrations above their respective analytical reporting limits at any of the side-by-side sample pairs and were below the Cleanup and Clearance Goals of ≤100 µg/cm^2 and ≤10 µg/cm^2, respectively. The analytical results of the side-by-side samples demonstrated that EPA Method 3572M was capable of meeting the Project Cleanup Goals. Rincon prepared the memorandum, *PCB Wipe Extraction Method Used on NTCRA Samples Collected Before November 16, 2022* (PCB Memorandum), dated December 23, 2022, and submitted it to the Agencies and included here as Attachment 6.

In an email correspondence dated January 24, 2023, the EPA acknowledged the completion of their review of the PCB Memorandum. As stated in the email correspondence, the EPA concurred with the conclusions presented in the PCB Memorandum and has no further questions or concerns regarding PCB wipe extraction methods. Therefore, the relevant pages of the UFP-QAPP have been updated accordingly and are included in Attachment 7. Moving forward, the lab will use EPA Method 3546, EPA Method 3550, or EPA Method 3572M for the extraction of PCBs from wipe samples.

While reporting limits for the majority of lead and PCB confirmation wipe samples collected in the high occupancy area of Zone 1 exceeded the laboratory specific QL outlined in Worksheet #15 of the UFP-QAPP, the difference between laboratory specific QLs was determined to not affect the quality of the data. See Section 3.6 for additional details.

3.6 Sensitivity

A summary of the sensitivity for the confirmation wipe samples is summarized in Table 9.

Table 9 Sensitivity Comparison for Wipe Samples

Analyte	Method	Cleanup Goal	Laboratory Specific QL in QAPP	Maximum QL Reported
Lead	U.S. EPA Method 3050M/6010B	<250 µg/ft^2	0.5 µg/ft^2	1 µg/ft^2
PCB	U.S. EPA Method 8082	≤10 µg/100 cm^2	0.5 µg/100 cm^2	1 µg/100 cm^2

Sensitivity is the capability of a method or instrument to discriminate among measurement responses representing different levels of the variable of interest. The laboratory specific QLs outlined in the UFP-QAPP were 0.5 µg/ft^2 for lead and 0.5 µg/100 cm^2 for PCBs. However, the reporting limits for the majority of the PCB and lead confirmation wipe samples exceeded the laboratory specific QLs as identified in the UFP-QAPP. However, the QLs that were achieved for lead and PCBs were below the numerical Cleanup Goals and, as a result, the sensitivity of the methods was sufficient for comparison of sample results to numerical Cleanup Goals.

Rincon and Enthalpy have worked to resolve the issue and it is anticipated that the QLs specified in the UFP-QAPP will be achieved henceforth.

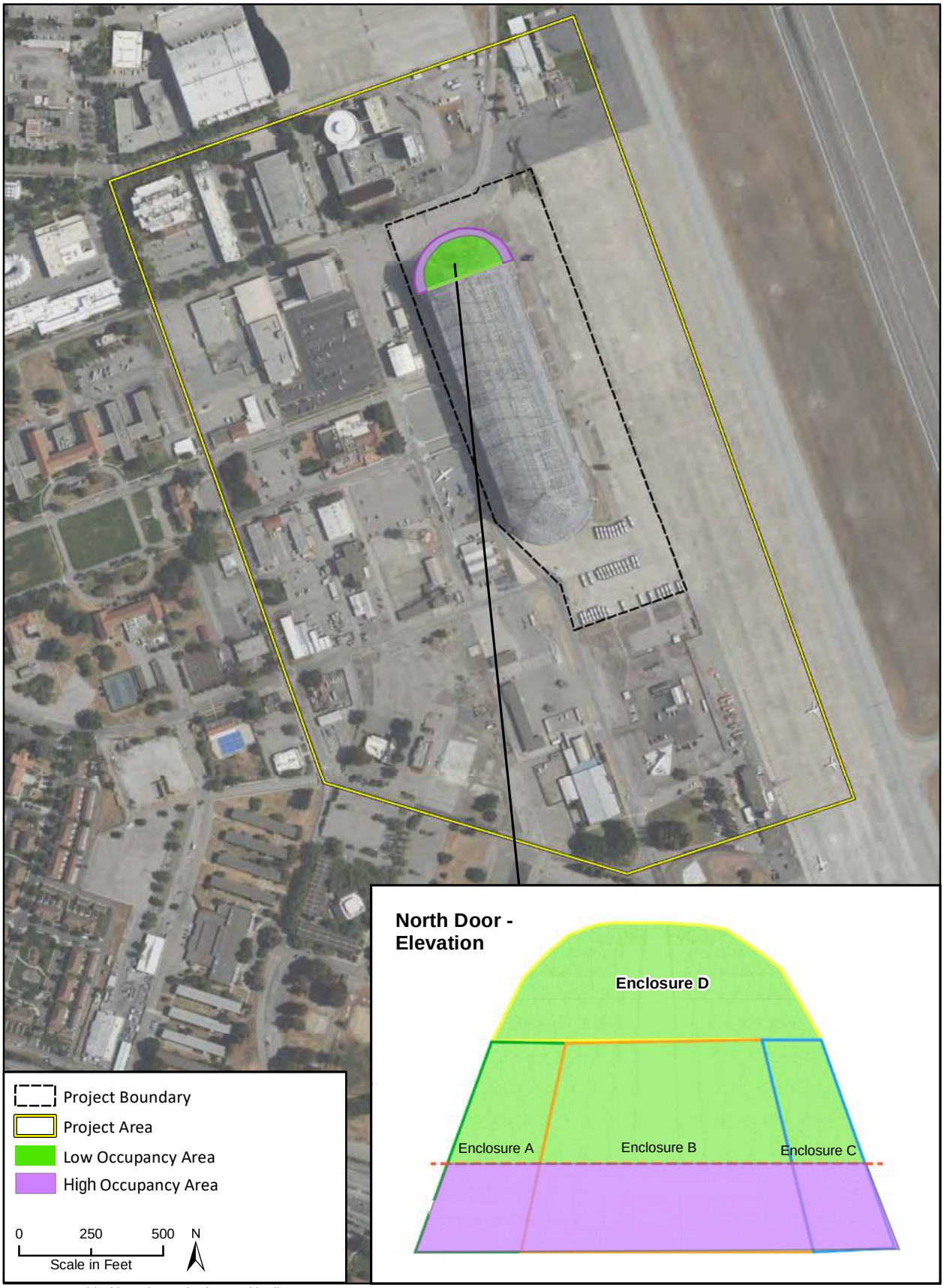
4 References

EKI, 2022. *NTCRA Work Plan, Former Naval Air Station Moffett Field, California*. EKI Environment & Water, Inc. March 14, 2022.

Rincon, 2023. *Hangar 1 Data Summary Submittal; Low Occupancy Area of Zone 1, Former Naval Air Station Moffett Field, California.* February 2023.

U.S. EPA, 2022. ProUCL: Statistical Software for Environmental Applications for Data Sets with and without Nondetect Observations. Version 5.2. https://www.epa.gov/land-research/proucl-software, 2022.

Figures



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Plan Map and Cross Section of Zone 1

Figure 1

Attachment 1

NACE Inspection Forms

CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCarthy
Certified Supervisor: OMAR PINERA
Work Location: MOFFET FIELD,CA.94305
Owner: Google
Task: STRIPE ZINC CLAD 4100

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Wednesday, June 15, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

									Specified Conditions
Time	9:06 AM	1:06 PM	5:06 PM						
Dry Bulb	70.7 °F	110.0 °F	114.0 °F						40-120 F
Wet Bulb	61.3 °F	79.0 °F	79.7 °F						
Depression	9.4 °F	31.0 °F	24.7 °F						
Relative Humidity	57.2%	21.1%	16.2%						85%
Dew Point	54.8 °F	61.4 °F	57.6 °F						
Steel temp	68.1 °F	112.4 °F	116.0 °F						40-120 F
Difference	13.3 °F	51.0 °F	59.1 °F						+5 F
Conditions	acceptable	acceptable	acceptable						

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOr Model No. DPM Serial No. 447475

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☑ NO ☐
Specified Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☑ SP 7 ☐ SP 10 ☐ SP 11 ☐
Actual Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☑ SP 7 ☐ SP 10 ☐ SP 11 ☐
Pressure Washing: N/A PSI
Comments: Pre cleaning solvent clean and power tool clean as needed
Abrasive used: Type GARNET Compressed Air Tested? YES ☑ NO ☐
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES ☑ NO ☐
Abrasive cleanliness inspected and acceptable: YES ☑ NO ☐
Vial test performed on this batch of abrasive? YES ☑ NO ☐
Profile specified: 2 mils Actual Profile: 3 mils

Testex PRESS-O-FILM ™ HT X-Coarse 1.5 to 4.5 mil 38 to 115 µm Made in USA www.testextape.com

PRIMER

Soluble Salt Test Performed: YES ☐ NO ☑ Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES ☑ NO ☐
Paint mixed per manufacturer's instructions: YES ☑ NO ☐
Time Elapsed Since Surface Prep: N/A

Specified Material:	ZINC CLAD 4100	Material Applied:	ZINC CLAD 4100
Part A Batch #'s:	XM0192HF 01/19/22	Part A Batch #'s:	XM0192HF 01/19/22
Part B Batch #'s:	HA0272VP 01/07/22	Part B Batch #'s:	HA0272VP 01/07/22
Part C Batch #'s:	0872CL 03/2022	Part C Batch #'s:	0872CL 03/2022
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time:	10:00 AM	Start Application:	10:00 AM	Time Complete:	11:00 PM	Pot Life: 2 - 8 HRS.
Mix Time:	12:30 PM	Start Application:	12:45 PM	Time Complete:	4:00 PM	Pot Life: 2-8 HRS.
Mix Time:		Start Application:		Time Complete:		Pot Life:

Material Temp: 72 F Typical Wet Film Readings: 4 TO 7 mils
Qty. Mixed: 3 GAL Qty. Applied: 3 GAL Approximate SF: N/A
Min. Storage Temp. 40 F Max. Storage Temp. 100 F Actual Storage Temperature 60 F

~~*INTERMEDIATE* ☐~~ ~~*FINISH* ☐~~

~~Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐~~
~~Soluble Salt Test Performed: YES ☐ NO ☐ Results: _____ µg/cm²~~
~~Satisfactory Pre-cleaning Completed: YES ☐ NO ☐~~
~~Paint mixed per manufacturer's instructions: YES ☐ NO ☐~~

Specified Material:		Material Applied:	
Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time:		Start Application:		Time Complete:		Pot Life:
Mix Time:		Start Application:		Time Complete:		Pot Life:
Mix Time:		Start Application:		Time Complete:		Pot Life:

Material Temp: Typical Wet Film Readings: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: MIX ZINC CLAD 4100 AND STARTED STRIPING RIVETS,EDGES AND HARD TO REACH AREAS AT ZONE 1 AREA D.LEVELS 28,29.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Date: 06/15/22
QC Supervisor Signature: Date: 6/16/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Wednesday, June 15, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	SANDBLASTING AT ZONE 1 AREA C LEVELS 13 TO 17.		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:27 AM	9:27 AM	1:27 PM	5:27 PM					Specified Conditions
Time									
Dry Bulb	59.7 °F	66.4 °F	82.9 °F	93.6 °F					40-120 F
Wet Bulb	53.2 °F	60.0 °F	68.9 °F	70.4 °F					
Depression	6.5 °F	6.4 °F	14.0 °F	23.2 °F					
Relative Humidity	64.1%	68.6%	40.3%	26.0%					85%
Dew Point	47.5 °F	55.7 °F	56.3 °F	53.6 °F					
Steel temp	58.2 °F	65.5 °F	83.7 °F	94.8 °F					40-120 F
Difference	10.7 °F	9.8 °F	27.3 °F	41.1 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

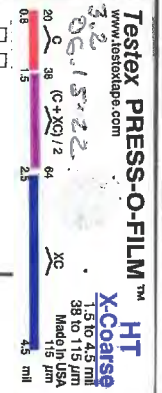
☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.2 mils

3.2 3.2 3.2



PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep:
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: Typical Wet Film Readings: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-STARTED SANDBLASTING ON ZONE 1 AREA C LEVELS 13 TO 17.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Date: 06/15/22
QC Supervisor Signature: Date: 6/16/22

Form No. QC0005 Revision: 0 Rev. Date 28-Oct-20
Distribution: 1. Jobsite file 2. Project Manager 3. Client
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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Thursday, June 16, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	SANDBLASTING AT ZONE 1 AREA C LEVELS 13 TO 17.		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:27 AM	9:27 AM	1:27 PM	5:27 PM					Specified Conditions
Time									
Dry Bulb	56.4 °F	63.2 °F	75.5 °F	95.4 °F					40-120 F
Wet Bulb	49.8 °F	56.1 °F	62.1 °F	71.0 °F					
Depression	6.6 °F	7.1 °F	13.4 °F	24.4 °F					
Relative Humidity	60.8%	63.2%	43.6%	24.1%					85%
Dew Point	43.1 °F	50.5 °F	51.9 °F	53.0 °F					
Steel temp	54.9 °F	62.1 °F	75.3 °F	96.3 °F					40-120 F
Difference	11.8 °F	11.7 °F	23.4 °F	43.3 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

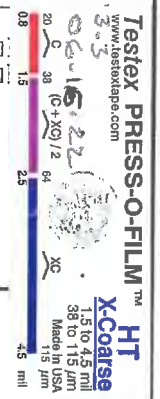
SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.3 mils



PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____

Specified Material:		Material Applied:	
Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time:		Start Application:		Time Complete:	Pot Life:
Mix Time:		Start Application:		Time Complete:	Pot Life:
Mix Time:		Start Application:		Time Complete:	Pot Life:

Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]

Specified Material:		Material Applied:	
Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time:		Start Application:		Time Complete:	Pot Life:
Mix Time:		Start Application:		Time Complete:	Pot Life:
Mix Time:		Start Application:		Time Complete:	Pot Life:

Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
SANDBLASTING ON ZONE 1 AREA C LEVELS 13 TO 17.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 06/16/22
QC Supervisor Signature: _____ Date: 6/20/22

Form No. QC0005 Revision: 0 Rev. Date 28-Oct-20
Distribution: 1. Jobsite file 2. Project Manager 3. Client

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: SANDBLASTING AT ZONE 1 AREA C LEVELS 13 TO 17.

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Monday, June 20, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:27 AM	9:27 AM	1:27 PM	5:27 PM	Specified Conditions
Time					
Dry Bulb	62.7 °F	64.7 °F	84.0 °F	100.6 °F	40-120 F
Wet Bulb	54.5 °F	57.5 °F	65.7 °F	74.9 °F	
Depression	8.2 °F	7.2 °F	18.3 °F	25.7 °F	
Relative Humidity	56.8%	63.8%	32.7%	26.1%	85%
Dew Point	47.2 °F	52.1 °F	51.6 °F	59.5 °F	
Steel temp	61.6 °F	63.5 °F	84.3 °F	101.7 °F	40-120 F
Difference	14.4 °F	11.4 °F	32.7 °F	42.2 °F	+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.3 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample 6.2.22
reading 3.3
gage less 2.0 mils or 50 µm

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep:
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: Typical Wet Film Readings: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
SANDBLASTING ON ZONE 1 AREA C LEVELS 13 TO 17.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Date: 06/20/22
QC Supervisor Signature: Date: 6/21/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: SANDBLASTING AT ZONE 1 AREA C LEVELS 13 TO 17.

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Tuesday, June 21, 2022
Address: FORMER NAVAL AIR STATION MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:27 AM	9:27 AM	1:27 PM	5:27 PM					Specified Conditions
Time									
Dry Bulb	68.6 °F	73.6 °F	96.4 °F	120.1 °F					40-120 F
Wet Bulb	56.7 °F	62.4 °F	70.4 °F	82.3 °F					
Depression	11.9 °F	11.2 °F	26.0 °F	37.8 °F					
Relative Humidity	43.2%	51.5%	19.3%	15.1%					85%
Dew Point	45.4 °F	54.6 °F	47.7 °F	60.0 °F					
Steel temp	67.6 °F	73.3 °F	97.5 °F	121.6 °F					40-120 F
Difference	22.3 °F	18.7 °F	49.7 °F	61.6 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER**

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.6 mils

PRESS-O-FILM™ Made in U.S.A.
sample 6-22-22
reading 3.6
gage less 2.0 mils or 50 µm
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 / USA

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep:
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: Typical Wet Film Readings: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
SANDBLASTING ON ZONE 1 AREA C LEVELS 13 TO 17.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Date: 06/21/22
QC Supervisor Signature: Date: 6/28/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Wednesday, June 22, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	SANDBLASTING AT ZONE 1 AREA C LEVELS 13 TO 17.		MOFFET FIELD,CA. 94305

Environmental Conditions:

Time	5:27 AM	9:27 AM	1:27 PM	5:27 PM					Specified Conditions
Dry Bulb	77.7 °F	74.0 °F	87.2 °F	84.3 °F					40-120 F
Wet Bulb	60.7 °F	62.2 °F	68.4 °F	67.4 °F					
Depression	17.0 °F	11.8 °F	18.6 °F	17.2 °F					
Relative Humidity	30.0%	49.1%	34.9%	37.6%					85%
Dew Point	43.8 °F	53.7 °F	56.0 °F	55.7 °F					
Steel temp	77.0 °F	73.5 °F	87.2 °F	84.3 °F					40-120 F
Difference	33.2 °F	19.8 °F	31.2 °F	28.4 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.6 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX
NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample #1 6/22/22
reading 3.6
gage less 2.0 mils or 50 µm

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____ _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE AND SQUARE UP SANDBLASTING ON ZONE 1 AREA C LEVELS 13 TO 17.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 06/22/22
QC Supervisor Signature: _____ Date: 6/29/22
Form No. QC0005 Revision: 0 Rev. Date 28-Oct-20
Distribution: 1. Jobsite file 2. Project Manager 3. Client

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Wednesday, June 22, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	SANDBLASTING AT ZONE 1 AREA C LEVELS 13 TO 17.		MOFFET FIELD,CA. 94305

Environmental Conditions:

Time	5:27 AM	9:27 AM	1:27 PM	5:27 PM					Specified Conditions
Dry Bulb	77.7 °F	74.0 °F	87.2 °F	84.3 °F					40-120 F
Wet Bulb	60.7 °F	62.2 °F	68.4 °F	67.4 °F					
Depression	17.0 °F	11.8 °F	18.6 °F	17.2 °F					
Relative Humidity	30.0%	49.1%	34.9%	37.6%					85%
Dew Point	43.8 °F	53.7 °F	56.0 °F	55.7 °F					
Steel temp	77.0 °F	73.5 °F	87.2 °F	84.3 °F					40-120 F
Difference	33.2 °F	19.8 °F	31.2 °F	28.4 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.6 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX
NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample #1 6/22/22
reading 3.6
gage less 2.0 mils or 50 µm

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____ _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE AND SQUARE UP SANDBLASTING ON ZONE 1 AREA C LEVELS 13 TO 17.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 06/22/22
QC Supervisor Signature: _____ Date: 6/29/22
Form No. QC0005 Revision: 0 Rev. Date 28-Oct-20
Distribution: 1. Jobsite file 2. Project Manager 3. Client

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: SANDBLASTING AT ZONE 1 AREA C LEVELS 8,10 and 12

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Saturday, June 25, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:27 AM	9:27 AM	1:27 PM	5:27 PM					Specified Conditions
Time									
Dry Bulb	65.1 °F	65.6 °F	75.6 °F	94.0 °F					40-120 F
Wet Bulb	57.5 °F	59.8 °F	64.4 °F	73.6 °F					
Depression	7.6 °F	5.8 °F	11.2 °F	20.4 °F					
Relative Humidity	62.0%	71.1%	53.0%	35.6%					85%
Dew Point	51.7 °F	55.9 °F	57.2 °F	62.6 °F					
Steel temp	63.9 °F	64.5 °F	75.5 °F	94.8 °F					40-120 F
Difference	12.2 °F	8.6 °F	18.2 °F	32.2 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.4 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample reading 3.4 gage less 2.0 mils or 50 µm
6.25.22

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. _____ Max. Storage Temp. _____ Actual Storage Temperature _____

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. _____ Max. Storage Temp. _____ Actual Storage Temperature _____

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE SANDBLASTING ON ZONE 1 AREA C LEVELS 8,10 AND 12
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 06/25/22
QC Supervisor Signature: _____ Date: 6/28/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: SANDBLASTING AT ZONE 1 AREA C LEVELS 8,10 and 12

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Monday, June 27, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

									Specified Conditions
Time	5:27 AM	9:27 AM	1:10 PM	5:27 PM					
Dry Bulb	65.7 °F	64.2 °F	70.9 °F	87.4 °F					40-120 F
Wet Bulb	58.1 °F	58.4 °F	62.6 °F	70.7 °F					
Depression	7.6 °F	5.8 °F	8.3 °F	17.7 °F					
Relative Humidity	62.2%	70.2%	62.1%	41.6%					85%
Dew Point	52.4 °F	54.3 °F	57.3 °F	61.2 °F					
Steel temp	64.7 °F	63.1 °F	70.6 °F	88.3 °F					40-120 F
Difference	12.3 °F	8.8 °F	13.3 °F	27.1 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.4 mils

PRESS-O-FILM™ sample reading 3.4 gage less 2.0 mils or 50 µm
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA
Made in U.S.A.

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____

Specified Material:		Material Applied:	
Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time:		Start Application:		Time Complete:	Pot Life:
Mix Time:		Start Application:		Time Complete:	Pot Life:
Mix Time:		Start Application:		Time Complete:	Pot Life:

Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]

Specified Material:		Material Applied:	
Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time:		Start Application:		Time Complete:	Pot Life:
Mix Time:		Start Application:		Time Complete:	Pot Life:
Mix Time:		Start Application:		Time Complete:	Pot Life:

Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE SANDBLASTING ON ZONE 1 AREA C LEVELS 8,10 AND 12
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 06/27/22
QC Supervisor Signature: _____ Date: 6/29/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: SANDBLASTING AT ZONE 1 AREA C LEVELS 6 THRU 12

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Tuesday, June 28, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:27 AM	9:27 AM	1:10 PM	5:27 PM					Specified Conditions
Time									
Dry Bulb	64.1 °F	64.5 °F	71.0 °F	86.5 °F					40-120 F
Wet Bulb	56.8 °F	58.7 °F	61.3 °F	68.3 °F					
Depression	7.3 °F	5.8 °F	9.7 °F	18.2 °F					
Relative Humidity	62.2%	70.2%	55.7%	35.7%					85%
Dew Point	51.0 °F	54.6 °F	54.4 °F	56.2 °F					
Steel temp	62.9 °F	63.3 °F	70.6 °F	86.6 °F					40-120 F
Difference	12.0 °F	8.7 °F	16.2 °F	30.4 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]	
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]	

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.5 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample 6-28-22 reading 3.5 gage less 2.0 mils = 50 µm

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____

Specified Material:		Material Applied:	
Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time:		Start Application:		Time Complete:	Pot Life:
Mix Time:		Start Application:		Time Complete:	Pot Life:
Mix Time:		Start Application:		Time Complete:	Pot Life:

Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]

Specified Material:		Material Applied:	
Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time:		Start Application:		Time Complete:	Pot Life:
Mix Time:		Start Application:		Time Complete:	Pot Life:
Mix Time:		Start Application:		Time Complete:	Pot Life:

Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE SANDBLASTING ON ZONE 1 AREA C LEVELS 6 THRU 12
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 06/28/22
QC Supervisor Signature: _____ Date: 6/28/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: SANDBLASTING AT ZONE 1 AREA C LEVELS 6 THRU 12

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Wednesday, June 29, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:27 AM	9:27 AM	1:10 PM	5:27 PM	Specified Conditions
Time					
Dry Bulb	63.1 °F	62.3 °F	67.8 °F	81.0 °F	40-120 F
Wet Bulb	55.6 °F	56.6 °F	59.8 °F	66.3 °F	
Depression	7.5 °F	5.7 °F	8.0 °F	14.7 °F	
Relative Humidity	60.8%	69.7%	61.2%	43.1%	85%
Dew Point	49.4 °F	52.3 °F	54.0 °F	56.5 °F	
Steel temp	61.9 °F	61.2 °F	67.3 °F	80.8 °F	40-120 F
Difference	12.6 °F	8.9 °F	13.3 °F	24.2 °F	+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.5 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX
NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample reading 3.5 gage less 2.0 mils or 50 µm
6/29/22

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE SANDBLASTING ON ZONE 1 AREA C LEVELS 6 THRU 12
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 06/29/22
QC Supervisor Signature: _____ Date: 6/30/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: SANDBLASTING AT ZONE 1 AREA C LEVELS 6 THRU 12

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Thursday, June 30, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

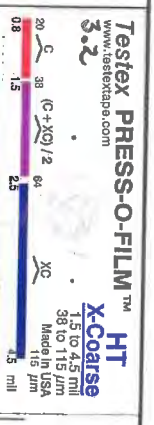
Time	5:27 AM	9:27 AM	1:10 PM	5:27 PM	Specified Conditions
Dry Bulb	63.5 °F	62.5 °F	68.0 °F	80.8 °F	40-120 F
Wet Bulb	55.5 °F	56.0 °F	58.7 °F	65.6 °F	
Depression	8.0 °F	6.5 °F	9.3 °F	15.2 °F	
Relative Humidity	58.7%	66.1%	55.9%	41.3%	85%
Dew Point	48.8 °F	51.0 °F	51.6 °F	55.2 °F	
Steel temp	62.3 °F	61.6 °F	67.3 °F	81.5 °F	
Difference	13.6 °F	10.6 °F	15.6 °F	26.4 °F	40-120 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	+5 F

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☑ NO ☐
Specified Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☑ SP 7 ☐ SP 10 ☐ SP 11 ☐
Actual Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☑ SP 7 ☐ SP 10 ☐ SP 11 ☐
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES ☑ NO ☐
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES ☑ NO ☐
Abrasive cleanliness inspected and acceptable: YES ☑ NO ☐
Vial test performed on this batch of abrasive? YES ☑ NO ☐
Profile specified: 2 mils Actual Profile: 3.2 mils



PRIMER

Soluble Salt Test Performed: YES ☐ NO ☐ Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES ☐ NO ☐
Paint mixed per manufacturer's instructions: YES ☐ NO ☐
Time Elapsed Since Surface Prep: _____

Specified Material:	Material Applied:
Part A Batch #'s:	Part A Batch #'s:
Part B Batch #'s:	Part B Batch #'s:
Part C Batch #'s:	Part C Batch #'s:
Thinner Batch #'s:	Thinner Batch #'s:

Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ **FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐
Soluble Salt Test Performed: YES ☐ NO ☐ Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES ☐ NO ☐
Paint mixed per manufacturer's instructions: YES ☐ NO ☐

Specified Material:	Material Applied:
Part A Batch #'s:	Part A Batch #'s:
Part B Batch #'s:	Part B Batch #'s:
Part C Batch #'s:	Part C Batch #'s:
Thinner Batch #'s:	Thinner Batch #'s:

Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE SANDBLASTING ON ZONE 1 AREA C LEVELS 6 THRU 12
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 06/30/22
QC Supervisor Signature: _____ Date: 7/5/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING ZONE 1 AREA C LEVELS GROUND TO 5

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Tuesday, July 5, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

									Specified Conditions
Time	5:27 AM	9:27 AM	1:10 PM	5:27 PM					
Dry Bulb	70.3 °F	70.4 °F	73.9 °F	80.5 °F					40-120 F
Wet Bulb	62.4 °F	64.5 °F	66.2 °F	67.1 °F					
Depression	7.9 °F	5.9 °F	7.7 °F	13.4 °F					
Relative Humidity	63.5%	72.3%	66.4%	47.8%					85%
Dew Point	57.3 °F	61.1 °F	62.0 °F	58.9 °F					
Steel temp	69.4 °F	69.6 °F	73.3 °F	79.6 °F					40-120 F
Difference	12.1 °F	8.5 °F	11.4 °F	20.7 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.6 mils

PRESS-O-FILM™ Made in U.S.A.
sample reading 7.5.22 3.6 gage less 2.0 mils or 50 µm
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ **FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE SANDBLASTING ON ZONE 1 AREA C LEVELS GROUND TO 5.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/05/22
QC Supervisor Signature: _____ Date: 7/6/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Wednesday, July 6, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING ZONE 1 AREA C LEVELS GROUND TO 5		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:27 AM	9:27 AM	1:10 PM	5:27 PM					Specified Conditions
Time									
Dry Bulb	66.7 °F	67.5 °F	74.6 °F	79.2 °F					40-120 F
Wet Bulb	59.4 °F	59.3 °F	62.7 °F	66.1 °F					
Depression	7.2 °F	8.2 °F	11.9 °F	13.1 °F					
Relative Humidity	64.5%	60.4%	49.1%	48.0%					85%
Dew Point	54.3 °F	53.3 °F	54.3 °F	57.8 °F					
Steel temp	65.1 °F	66.7 °F	73.9 °F	77.8 °F					40-120 F
Difference	10.8 °F	13.3 °F	19.7 °F	20.0 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

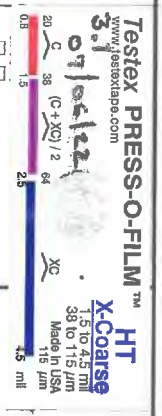
☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.1 mils

3.1
07/06/22



PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____

Specified Material:		Material Applied:	
Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time:		Start Application:		Time Complete:		Pot Life:
Mix Time:		Start Application:		Time Complete:		Pot Life:
Mix Time:		Start Application:		Time Complete:		Pot Life:

Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ **FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]

Specified Material:		Material Applied:	
Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time:		Start Application:		Time Complete:		Pot Life:
Mix Time:		Start Application:		Time Complete:		Pot Life:
Mix Time:		Start Application:		Time Complete:		Pot Life:

Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE SANDBLASTING ON ZONE 1 AREA C LEVELS GROUND TO 5.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/06/22
QC Supervisor Signature: _____ Date: ~~7/6/22~~ 2-2-23

Form No. QC0005 Revision: 0 Rev. Date 28-Oct-20
Distribution: 1. Jobsite file 2. Project Manager 3. Client
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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Tuesday, July 12, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING ZONE 1 AREA C LEVELS GROUND,1,2,3.		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:27 AM	9:27 AM	1:27 PM	5:27 PM					Specified Conditions
Time									
Dry Bulb	66.1 °F	66.8 °F	73.1 °F	81.0 °F					40-120 F
Wet Bulb	60.5 °F	61.0 °F	64.2 °F	68.6 °F					
Depression	5.6 °F	5.8 °F	8.9 °F	13.4 °F					
Relative Humidity	71.8%	71.2%	60.8%	48.8%					85%
Dew Point	56.8 °F	57.2 °F	58.8 °F	60.8 °F					
Steel temp	64.9 °F	65.7 °F	72.3 °F	81.1 °F					40-120 F
Difference	8.1 °F	8.5 °F	13.6 °F	20.3 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.5 mils

PRESS-O-FILM™ Made in U.S.A.
sample reading 3.5 mils gage less 2.0 mils or 50 µm
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE SANDBLASTING ON ZONE 1 AREA C LEVELS GROUND AND 1,2,3 AND 4. ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/12/22
QC Supervisor Signature: _____ Date: ~~7/13/22~~ 2-2-23

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING ZONE 1 AREA C LEVELS GROUND,1,2,3,4.

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Wednesday, July 13, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

Time	5:27 AM	9:27 AM	1:27 PM	5:27 PM					Specified Conditions
Dry Bulb	65.7 °F	65.9 °F	72.7 °F	80.7 °F					40-120 F
Wet Bulb	59.1 °F	59.2 °F	63.9 °F	68.0 °F					
Depression	6.6 °F	6.7 °F	18.8 °F	12.7 °F					
Relative Humidity	67.1%	66.3%	60.9%	50.6%					85%
Dew Point	54.5 °F	54.4 °F	58.5 °F	60.6 °F					
Steel temp	64.3 °F	64.7 °F	72.0 °F	79.6 °F					40-120 F
Difference	9.9 °F	10.3 °F	13.5 °F	18.9 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.4 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX
NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample reading 3.4 gage less 2.0 mils or 50 µm
7-14-22

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep:

Specified Material:		Material Applied:	
Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]

Specified Material:		Material Applied:	
Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: Typical Wet Film Readings: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE SANDBLASTING ON ZONE 1 AREA C LEVELS GROUND AND 1,2,3 AND 4.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Date: 07/13/22
QC Supervisor Signature: Date: 7/13/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING ZONE 1 AREA C LEVELS GROUND,1,2,3.

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Thursday, July 14, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

									Specified Conditions
Time	5:27 AM	9:27 AM	1:27 PM	5:27 PM					
Dry Bulb	64.6 °F	65.0 °F	78.3 °F	84.4 °F					40-120 F
Wet Bulb	58.6 °F	58.6 °F	66.6 °F	70.1 °F					
Depression	6.0 °F	6.4 °F	11.1 °F	14.3 °F					
Relative Humidity	69.1%	67.5%	52.4%	47.5%					85%
Dew Point	54.3 °F	54.0 °F	59.5 °F	62.3 °F					
Steel temp	63.3 °F	63.9 °F	77.6 °F	83.1 °F					40-120 F
Difference	9.1 °F	9.9 °F	18.1 °F	20.8 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☑ NO ☐
Specified Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☑ SP 7 ☐ SP 10 ☐ SP 11 ☐
Actual Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☑ SP 7 ☐ SP 10 ☐ SP 11 ☐
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES ☑ NO ☐
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES ☑ NO ☐
Abrasive cleanliness inspected and acceptable: YES ☑ NO ☐
Vial test performed on this batch of abrasive? YES ☑ NO ☐
Profile specified: 2 mils Actual Profile: 3.6 mils

PRESS-O-FILM™ Made in U.S.A.
sample reading 7.14.22 3.6 gage less 2.0 mils or 50 µm
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA

PRIMER

Soluble Salt Test Performed: YES ☐ NO ☐ Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES ☐ NO ☐
Paint mixed per manufacturer's instructions: YES ☐ NO ☐
Time Elapsed Since Surface Prep:
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ **FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐
Soluble Salt Test Performed: YES ☐ NO ☐ Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES ☐ NO ☐
Paint mixed per manufacturer's instructions: YES ☐ NO ☐
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: Typical Wet Film Readings: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE SANDBLASTING ON ZONE 1 AREA C LEVELS GROUND AND 1,2,AND 3.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Date: 07/14/22
QC Supervisor Signature: Date: 7/15/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING ZONE 1 AREA C GROUND LEVEL

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Friday, July 15, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	7:45 AM	11:45 AM	3:45 PM	7:45 PM	Specified Conditions
Time					
Dry Bulb	68.8 °F	66.8 °F	72.4 °F	80.1 °F	40-120 F
Wet Bulb	59.6 °F	61.3 °F	61.3 °F	66.9 °F	
Depression	9.2 °F	5.5 °F	11.1 °F	13.2 °F	
Relative Humidity	56.5%	72.9%	60.4%	48.2%	85%
Dew Point	52.7 °F	57.9 °F	57.9 °F	58.8 °F	
Steel temp	61.8 °F	65.7 °F	72.2 °F	78.4 °F	40-120 F
Difference	9.0 °F	7.8 °F	7.8 °F	19.6 °F	+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.5 mils

PRESS-O-FILM™ Made in U.S.A.
sample 7-15-22
reading 3.5
gage less 2.0 mils or 50 µm
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep:
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: Typical Wet Film Readings: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE ABRASIVE BLASTING IN ZONE 1 AREA C GROUND LEVEL AND STARTED BLOWING DOWN ALL THE STRUCTURAL STEEL. ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Date: 07/15/22
QC Supervisor Signature: Date: 7/15/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Wednesday, July 20, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 1 AREA B LEVELS 11,13,15,17		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:02 AM	9:02 AM	1:02 PM	5:02 PM					Specified Conditions
Time									
Dry Bulb	61.9 °F	62.2 °F	71.2 °F	80.1 °F					40-120 F
Wet Bulb	56.6 °F	57.1 °F	63.7 °F	67.2 °F					
Depression	5.3 °F	5.1 °F	7.5 °F	12.9 °F					
Relative Humidity	71.4%	72.7%	65.4%	49.6%					85%
Dew Point	52.6 °F	53.3 °F	59.0 °F	59.5 °F					
Steel temp	60.4 °F	61.0 °F	70.6 °F	78.4 °F					40-120 F
Difference	7.8 °F	7.6 °F	11.5 °F	18.9 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]	
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]	

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.4 mils

PRESS-O-FILM™ Made in U.S.A.
sample 7-20-22 reading 3.4 gage less 2.0 mils or 50 µm
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-STARTED ABRASIVE BLASTING IN ZONE 1 AREA B,LEVELS 11,13,15 AND 17.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/20/22
QC Supervisor Signature: _____ Date: 7/20/22

Form No. QC0005 Revision: 0 Rev. Date 28-Oct-20
Distribution: 1. Jobsite file 2. Project Manager 3. Client
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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 1 AREA B LEVELS 11,12,13,14,15,16,17

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Thursday, July 21, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:45 AM	9:45 AM	1:45 PM	5:45 PM					Specified Conditions
Time									
Dry Bulb	62.0 °F	63.3 °F	68.2 °F	76.2 °F					40-120 F
Wet Bulb	56.5 °F	57.5 °F	61.1 °F	64.8 °F					
Depression	5.5 °F	5.8 °F	7.1 °F	11.4 °F					
Relative Humidity	70.6%	69.8%	66.0%	52.7%					85%
Dew Point	52.4 °F	53.3 °F	56.4 °F	57.6 °F					
Steel temp	61.0 °F	62.3 °F	67.8 °F	75.9 °F					40-120 F
Difference	8.6 °F	9.1 °F	11.4 °F	18.2 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER**

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.5 mils

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
ABRASIVE BLASTING IN ZONE 1 AREA B,LEVELS 11,12.13,14,15,16 AND 17.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/21/22
QC Supervisor Signature: _____ Date: 7/21/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 1 AREA B GROUND LEVEL TO LEVEL 11.

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Saturday, July 23, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:45 AM	9:45 AM	1:45 PM	5:45 PM					Specified Conditions
Time									
Dry Bulb	61.1 °F	62.1 °F	67.4 °F	76.2 °F					40-120 F
Wet Bulb	55.1 °F	56.8 °F	61.2 °F	66.1 °F					
Depression	6.0 °F	5.3 °F	6.2 °F	9.5 °F					
Relative Humidity	67.7%	71.9%	69.4%	60.2%					85%
Dew Point	50.3 °F	52.9 °F	57.1 °F	61.4 °F					
Steel temp	59.8 °F	61.0 °F	66.9 °F	75.9 °F					40-120 F
Difference	9.5 °F	8.0 °F	9.8 °F	14.5 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.2 mils

PRESS-O-FILM™ Made in U.S.A.
sample 7.23.22
reading 3.2
gage less 2.0 mils or 50 µm
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep:
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: Typical Wet Film Readings: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
ABRASIVE BLASTING IN ZONE 1 AREA B, FROM GROUND LEVEL TO LEVEL11.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Date: 07/23/22
QC Supervisor Signature: Date: 7/25/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 1 AREA B GROUND LEVEL TO LEVEL 11.

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Monday, July 25, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:45 AM	9:45 AM	1:45 PM	5:45 PM					Specified Conditions
Time									
Dry Bulb	62.0 °F	63.7 °F	68.9 °F	77.6 °F					40-120 F
Wet Bulb	57.0 °F	58.3 °F	62.1 °F	67.3 °F					
Depression	5.0 °F	5.4 °F	6.8 °F	10.3 °F					
Relative Humidity	73.4%	72.2%	67.6%	57.8%					85%
Dew Point	53.4 °F	54.6 °F	57.8 °F	61.6 °F					
Steel temp	60.8 °F	62.7 °F	68.6 °F	77.2 °F					40-120 F
Difference	7.4 °F	8.2 °F	10.9 °F	15.7 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3 mils

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
ABRASIVE BLASTING IN ZONE 1 AREA B, FROM GROUND LEVEL TO LEVEL11.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/25/22
QC Supervisor Signature: _____ Date: 7/26/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 1 AREA B GROUND LEVEL TO LEVEL 10.

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Wednesday, July 27, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:45 AM	9:45 AM	1:45 PM	5:45 PM					Specified Conditions
Time									
Dry Bulb	64.9 °F	66.4 °F	70.5 °F	77.8 °F					40-120 F
Wet Bulb	59.6 °F	60.8 °F	63.2 °F	66.5 °F					
Depression	5.3 °F	5.6 °F	7.3 °F	11.3 °F					
Relative Humidity	73.0%	72.1%	66.2%	54.1%					85%
Dew Point	56.0 °F	57.2 °F	58.6 °F	59.9 °F					
Steel temp	63.7 °F	64.9 °F	69.6 °F	77.4 °F					40-120 F
Difference	7.7 °F	7.7 °F	11.0 °F	17.6 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER**

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.5 mils

PRESS-O-FILM™ Made in U.S.A.
sample 7-27-22
reading 3.5
gage tests 2.0 mils or 50 µm
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep:
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: Typical Wet Film Readings: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE ABRASIVE BLASTING IN ZONE 1 AREA B, FROM GROUND LEVEL TO LEVEL10. ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Date: 07/27/22
QC Supervisor Signature: Date: 8/1/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 1 AREA B GROUND LEVEL TO LEVel 4

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Thursday, July 28, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:45 AM	9:45 AM	1:45 PM	5:45 PM					Specified Conditions
Time									
Dry Bulb	63.5 °F	65.4 °F	69.6 °F	74.9 °F					40-120 F
Wet Bulb	58.4 °F	59.7 °F	62.3 °F	65.2 °F					
Depression	5.1 °F	5.7 °F	7.3 °F	9.7 °F					
Relative Humidity	73.1%	71.4%	65.9%	58.7%					85%
Dew Point	54.8 °F	55.9 °F	57.7 °F	59.4 °F					
Steel temp	62.3 °F	64.5 °F	68.8 °F	74.1 °F					40-120 F
Difference	7.6 °F	8.6 °F	11.1 °F	14.7 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER**

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.3 mils

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
ABRASIVE BLASTING IN ZONE 1 AREA B, FROM GROUND LEVEL TO LEVEL 4.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/28/22
QC Supervisor Signature: _____ Date: 8/1/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Friday, July 29, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 1 AREA B GROUND LEVEL TO LEVEL 3		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:45 AM	9:45 AM	1:45 PM	5:45 PM					Specified Conditions
Time									
Dry Bulb	64.1 °F	66.5 °F	71.3 °F	76.8 °F					40-120 F
Wet Bulb	58.6 °F	60.4 °F	63.6 °F	66.5 °F					
Depression	5.5 °F	6.1 °F	7.7 °F	10.3 °F					
Relative Humidity	71.7%	70.0%	64.8%	57.4%					85%
Dew Point	54.7 °F	56.4 °F	58.9 °F	60.6 °F					
Steel temp	62.9 °F	65.5 °F	70.8 °F	76.3 °F					40-120 F
Difference	8.2 °F	9.0 °F	11.9 °F	15.7 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

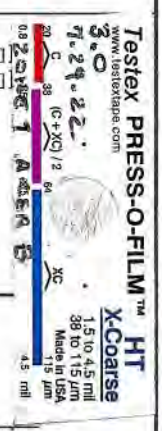
SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER** _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3 mils



PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____

Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]

Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____

Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE ABRASIVE BLASTING IN ZONE 1 AREA B, FROM GROUND LEVEL TO LEVEL 3.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/29/22
QC Supervisor Signature: _____ Date: 8/1/22

Form No. QC0005 Revision: 0 Rev. Date 28-Oct-20
Distribution: 1. Jobsite file 2. Project Manager 3. Client

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 1 AREA B GROUND LEVEL TO LEVEL 3

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Saturday, July 30, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:45 AM	9:45 AM	1:45 PM	5:45 PM					Specified Conditions
Time									
Dry Bulb	65.7 °F	66.1 °F	69.9 °F	75.7 °F					40-120 F
Wet Bulb	60.1 °F	60.5 °F	63.4 °F	67.0 °F					
Depression	5.6 °F	5.6 °F	6.5 °F	8.7 °F					
Relative Humidity	71.9%	72.1%	69.9%	62.9%					85%
Dew Point	56.4 °F	56.8 °F	59.6 °F	62.2 °F					
Steel temp	64.5 °F	64.9 °F	68.8 °F	75.1 °F					40-120 F
Difference	8.1 °F	8.1 °F	9.2 °F	12.9 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER** _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.3 mils

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE ABRASIVE BLASTING IN ZONE 1 AREA B, FROM GROUND LEVEL TO LEVEL 3.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/30/22
QC Supervisor Signature: _____ Date: 8/1/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Monday, August 1, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 1 AREA B GROUND LEVEL		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:45 AM	9:45 AM	1:45 PM	5:45 PM					Specified Conditions
Time									
Dry Bulb	65.0 °F	66.0 °F	71.9 °F	80.3 °F					40-120 F
Wet Bulb	60.1 °F	61.4 °F	65.1 °F	66.9 °F					
Depression	4.9 °F	4.6 °F	6.8 °F	13.4 °F					
Relative Humidity	74.8%	77.1%	69.2%	47.9%					85%
Dew Point	56.8 °F	58.6 °F	61.3 °F	58.7 °F					
Steel temp	63.9 °F	64.9 °F	71.6 °F	80.0 °F					40-120 F
Difference	7.1 °F	6.3 °F	10.3 °F	21.2 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER** _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3 mils

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____

Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____

Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE ABRASIVE BLASTING IN ZONE 1 AREA B, GROUND LEVEL.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 08/01/22
QC Supervisor Signature: _____ Date: 8/2/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 1 AREA B GROUND LEVEL

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Tuesday, August 2, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:45 AM	9:45 AM	1:45 PM	5:45 PM					Specified Conditions
Time									
Dry Bulb	67.9 °F	70.0 °F	78.9 °F	80.8 °F					40-120 F
Wet Bulb	61.3 °F	63.3 °F	67.0 °F	68.0 °F					
Depression	6.6 °F	6.7 °F	11.9 °F	12.8 °F					
Relative Humidity	68.4%	69.1%	52.5%	50.3%					85%
Dew Point	57.1 °F	59.3 °F	60.0 °F	60.6 °F					
Steel temp	66.9 °F	69.2 °F	78.6 °F	80.2 °F					40-120 F
Difference	9.8 °F	9.9 °F	18.6 °F	19.6 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER** _____

Satisfactory Pre-cleaning Completed: YES ☑ NO ☐
Specified Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☑ SP 7 ☐ SP 10 ☐ SP 11 ☐
Actual Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☑ SP 7 ☐ SP 10 ☐ SP 11 ☐
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES ☑ NO ☐
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES ☑ NO ☐
Abrasive cleanliness inspected and acceptable: YES ☑ NO ☐
Vial test performed on this batch of abrasive? YES ☑ NO ☐
Profile specified: 2 mils Actual Profile: 3 mils

PRIMER

Soluble Salt Test Performed: YES ☐ NO ☐ Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES ☐ NO ☐
Paint mixed per manufacturer's instructions: YES ☐ NO ☐
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐
Soluble Salt Test Performed: YES ☐ NO ☐ Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES ☐ NO ☐
Paint mixed per manufacturer's instructions: YES ☐ NO ☐
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE ABRASIVE BLASTING IN ZONE 1 AREA B, GROUND LEVEL.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 08/02/22
QC Supervisor Signature: _____ Date: 8/3/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Wednesday, August 3, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 1 AREA B GROUND LEVEL		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:45 AM	9:45 AM	1:45 PM	5:45 PM					Specified Conditions
Time									
Dry Bulb	65.4 °F	66.9 °F	72.6 °F	79.7 °F					40-120 F
Wet Bulb	59.4 °F	61.4 °F	64.8 °F	68.0 °F					
Depression	6.0 °F	5.5 °F	7.8 °F	11.7 °F					
Relative Humidity	69.9%	72.8%	65.4%	53.4%					85%
Dew Point	55.3 °F	57.9 °F	60.3 °F	61.3 °F					
Steel temp	64.3 °F	65.9 °F	72.2 °F	79.2 °F					40-120 F
Difference	9.0 °F	8.0 °F	11.8 °F	17.9 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☑ NO ☐

Specified Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☑ SP 7 ☐ SP 10 ☐ SP 11 ☐

Actual Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☐ SP 7 ☐ SP 10 ☑ SP 11 ☐

Pressure Washing: N/A PSI

Comments: Pre cleaning, solvent clean, as needed.

Abrasive used: Type GARNET Compressed Air Tested? YES ☑ NO ☐

Size GX2 (attach pictures of blotter - note date & time)

Blasting performed by evaluated/approved blasters: YES ☑ NO ☐

Abrasive cleanliness inspected and acceptable: YES ☑ NO ☐

Vial test performed on this batch of abrasive? YES ☑ NO ☐

Profile specified: 2 mils Actual Profile: 2.7 mils

PRIMER

Soluble Salt Test Performed: YES ☐ NO ☐ Results: _____ µg/cm²

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

Paint mixed per manufacturer's instructions: YES ☐ NO ☐

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

Part A Batch #'s: _____ Part A Batch #'s: _____

Part B Batch #'s: _____ Part B Batch #'s: _____

Part C Batch #'s: _____ Part C Batch #'s: _____

Thinner Batch #'s: _____ Thinner Batch #'s: _____

Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____

Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____

Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____

Material Temp: _____ mils

Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____

Min. Storage Temp. _____ Max. Storage Temp. _____ Actual Storage Temperature _____

INTERMEDIATE ☐ FINISH ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

Soluble Salt Test Performed: YES ☐ NO ☐ Results: _____ µg/cm²

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

Paint mixed per manufacturer's instructions: YES ☐ NO ☐

Specified Material: _____ Material Applied: _____

Part A Batch #'s: _____ Part A Batch #'s: _____

Part B Batch #'s: _____ Part B Batch #'s: _____

Part C Batch #'s: _____ Part C Batch #'s: _____

Thinner Batch #'s: _____ Thinner Batch #'s: _____

Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____

Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____

Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____

Material Temp: _____ Typical Wet Film Readings: _____ mils

Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____

Min. Storage Temp. _____ Max. Storage Temp. _____ Actual Storage Temperature _____

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE AND FINISH ABRASIVE BLASTING IN ZONE 1 AREA B, GROUND LEVEL.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge

QC Inspector Signature: _____ Date: 08/03/22

QC Supervisor Signature: _____ Date: 8/3/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 1 AREA B GROUND LEVEL

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Thursday, August 4, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:45 AM	9:45 AM	1:45 PM						Specified Conditions
Time									
Dry Bulb	66.8 °F	68.3 °F	75.6 °F						40-120 F
Wet Bulb	60.9 °F	62.7 °F	67.1 °F						
Depression	5.9 °F	5.6 °F	8.5 °F						
Relative Humidity	70.9%	73.2%	63.7%						85%
Dew Point	57.1 °F	59.4 °F	62.4 °F						
Steel temp	65.7 °F	67.6 °F	75.3 °F						40-120 F
Difference	8.6 °F	8.3 °F	12.8 °F						+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE						

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☐]	SP 7 [☐]	SP 10 [☑]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3 mils

PRESS-O-FILM™ Made in U.S.A.
sample 8.4.22 reading 3
gage less 2.0 mils or 50 µm
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. _____ Max. Storage Temp. _____ Actual Storage Temperature _____

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. _____ Max. Storage Temp. _____ Actual Storage Temperature _____

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-SPOT BLASTED
MISSED AREAS IN ZONE 1 AREA B, GROUND LEVEL,STARTED BLOWING DOWN AFTER THAT.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 08/04/22
QC Supervisor Signature: _____ Date: 8/4/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD,CALIFORNIA
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 1 AREA A

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Monday, August 8, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

Time	5:56 AM	9:56 AM	1:56 PM	5:56 PM					Specified Conditions
Dry Bulb	58.5 °F	69.2 °F	73.6 °F	75.6 °F					40-120 F
Wet Bulb	55.9 °F	62.8 °F	64.0 °F	64.7 °F					
Depression	2.6 °F	5.9 °F	9.6 °F	10.9 °F					
Relative Humidity	85.5%	64.9%	58.2%	54.1%					85%
Dew Point	54.1 °F	56.9 °F	58.0 °F	57.8 °F					
Steel temp	57.1 °F	68.9 °F	73.0 °F	75.3 °F					40-120 F
Difference	3.0 °F	12.0 °F	15.0 °F	17.5 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER** _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☐] SP 7 [☐] SP 10 [☑] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.2 mils

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-STARTED
ABRASIVE BLASTING IN ZONE 1 AREA A, GROUND LEVEL TO LEVEL 17.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 08/08/22
QC Supervisor Signature: _____ Date: 8/9/22

Distribution: 1. Jobsite file 2. Project Manager 3. Client
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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD,CALIFORNIA
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 1 AREA A

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Tuesday, August 9, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

									Specified Conditions
Time	5:56 AM	9:56 AM	1:56 PM	5:56 PM					
Dry Bulb	63.3 °F	69.6 °F	75.6 °F	74.2 °F					40-120 F
Wet Bulb	57.4 °F	61.5 °F	63.6 °F	64.1 °F					
Depression	5.9 °F	8.1 °F	12.0 °F	10.1 °F					
Relative Humidity	69.3%	62.0%	49.8%	56.2%					85%
Dew Point	53.1 °F	56.0 °F	55.5 °F	57.6 °F					
Steel temp	62.4 °F	69.3 °F	75.3 °F	74.0 °F					40-120 F
Difference	9.8 °F	13.3 °F	19.8 °F	16.3 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER**

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☐] SP 7 [☐] SP 10 [☑] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.2 mils

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep:
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: Typical Wet Film Readings: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
ABRASIVE BLASTING IN ZONE 1 AREA A, GROUND LEVEL TO LEVEL 17.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Date: 08/09/22
QC Supervisor Signature: Date: 8/10/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD,CALIFORNIA
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Wednesday, August 10, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 1 AREA A		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:56 AM	9:56 AM	1:56 PM	5:56 PM					Specified Conditions
Time									
Dry Bulb	63.8 °F	71.8 °F	76.2 °F	75.9 °F					40-120 F
Wet Bulb	57.7 °F	63.1 °F	65.5 °F	66.1 °F					
Depression	6.1 °F	8.7 °F	10.7 °F	9.8 °F					
Relative Humidity	68.6%	60.5%	55.0%	58.5%					85%
Dew Point	53.2 °F	57.5 °F	58.9 °F	60.3 °F					
Steel temp	63.0 °F	71.6 °F	76.3 °F	75.5 °F					40-120 F
Difference	9.8 °F	14.2 °F	17.5 °F	15.2 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER** _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☐]	SP 7 [☐]	SP 10 [☑]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3,5 mils

PRESS-O-FILM™ TESTEX NEWARK, DE 19715 USA Made in U.S.A.
X COARSE Plus (useful range: see data sheet)
sample 8.10.22 AREA A
reading 3.5 gage less 2.0 mils or 50 µm

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____

Specified Material:		Material Applied:	
Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]

Specified Material:		Material Applied:	
Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE ABRASIVE BLASTING IN ZONE 1 AREA A, GROUND LEVEL TO LEVEL 17.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 08/10/22
QC Supervisor Signature: _____ Date: 8/12/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD,CALIFORNIA
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Thursday, August 11, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 1 AREA A		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:45 AM	9:45 AM	1:45 PM	5:24 PM					Specified Conditions
Time									
Dry Bulb	64.7 °F	69.1 °F	73.3 °F	73.6 °F					40-120 F
Wet Bulb	58.8 °F	62.1 °F	64.2 °F	64.4 °F					
Depression	5.9 °F	7.0 °F	9.1 °F	9.2 °F					
Relative Humidity	69.9%	67.0%	60.1%	59.9%					85%
Dew Point	54.7 °F	57.6 °F	58.6 °F	58.8 °F					
Steel temp	63.8 °F	68.5 °F	72.6 °F	73.0 °F					40-120 F
Difference	9.1 °F	10.8 °F	14.0 °F	14.2 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER**

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☐] SP 7 [☐] SP 10 [☑] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.3 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample 8-11-22 AREA A
reading 3.3
gage less 2.0 mils or 50 µm

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
ABRASIVE BLASTING IN ZONE 1 AREA A, GROUND LEVEL TO LEVEL 17.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 08/11/22
QC Supervisor Signature: _____ Date: 8/12/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD,CALIFORNIA
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Friday, August 12, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 1 AREA A		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:24 AM	9:24 AM	1:24 PM	5:24 PM					Specified Conditions
Time									
Dry Bulb	62.0 °F	69.4 °F	73.3 °F	74.7 °F					40-120 F
Wet Bulb	56.3 °F	61.0 °F	64.1 °F	64.8 °F					
Depression	5.7 °F	8.4 °F	9.2 °F	9.9 °F					
Relative Humidity	69.6%	60.8%	59.8%	57.4%					85%
Dew Point	51.9 °F	55.3 °F	58.5 °F	58.6 °F					
Steel temp	61.0 °F	69.5 °F	73.0 °F	74.2 °F					40-120 F
Difference	9.1 °F	14.2 °F	14.5 °F	9.9 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER** _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☐]	SP 7 [☐]	SP 10 [☑]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.5 mils

PRESS-O-FILM™ Made in U.S.A.
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA
sample 8.13.22 reading 3.5 gage less 2.0 mils or 50 µm
AREA A

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____

Mix Time:	Start Application:	Time Complete:	Pot Life:	
Mix Time:	Start Application:	Time Complete:	Pot Life:	
Mix Time:	Start Application:	Time Complete:	Pot Life:	

Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____

Mix Time:	Start Application:	Time Complete:	Pot Life:	
Mix Time:	Start Application:	Time Complete:	Pot Life:	
Mix Time:	Start Application:	Time Complete:	Pot Life:	

Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
ABRASIVE BLASTING IN ZONE 1 AREA A, GROUND LEVEL TO LEVEL 17.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 08/12/22
QC Supervisor Signature: _____ Date: 8/15/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD,CALIFORNIA
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Saturday, August 13, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 1 AREA A		MOFFET FIELD.CA. 94305

Environmental Conditions:

	5:24 AM	9:24 AM	1:24 PM	5:24 PM	Specified Conditions
Time					
Dry Bulb	62.2 °F	70.5 °F	78.3 °F	77.8 °F	40-120 F
Wet Bulb	55.9 °F	61.2 °F	65.9 °F	65.7 °F	
Depression	6.3 °F	9.3 °F	12.4 °F	12.1 °F	
Relative Humidity	66.5%	57.4%	49.9%	50.9%	85%
Dew Point	50.9 °F	54.7 °F	58.1 °F	58.2 °F	
Steel temp	61.2 °F	71.0 °F	78.7 °F	79.7 °F	40-120 F
Difference	10.3 °F	16.3 °F	20.6 °F	19.5 °F	+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☐]	SP 7 [☐]	SP 10 [☑]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.5 mils

PRESS-O-FILM™ Made in U.S.A. TESTEX NEWARK, DE 19715 USA X COARSE Plus (useful range: see data sheet) sample reading page loss 2.0 mils or 50 µm

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
ABRASIVE BLASTING IN ZONE 1 AREA A, GROUND LEVEL TO LEVEL 17.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 08/13/22
QC Supervisor Signature: _____ Date: 8/13/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD,CALIFORNIA
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Monday, August 15, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	SPOT BLAST/SPOT PRIME IN ZONE 1 AREA B		MOFFET FIELD,CA. 94305

Environmental Conditions:

									Specified Conditions
Time	5:30 AM	9:30 AM	1:30 PM						
Dry Bulb	70.1 °F	65.1 °F	72.4 °F						40-120 F
Wet Bulb	60.4 °F	60.6 °F	65.3 °F						
Depression	9.7 °F	5.5 °F	7.1 °F						
Relative Humidity	60.1%	76.8%	67.8%						85%
Dew Point	55.7 °F	57.7 °F	61.2 °F						
Steel temp	69.4 °F	64.1 °F	71.4 °F						40-120 F
Difference	13.7 °F	6.5 °F	10.2 °F						+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE						

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

	SP 1	SP 2	SP 3	SP 5	SP 6	SP 7	SP 10	SP 11
Specified Cleaning:	[☐]	[☐]	[☐]	[☐]	[☑]	[☐]	[☐]	[☐]
Actual Cleaning:	[☐]	[☐]	[☐]	[☐]	[☐]	[☐]	[☑]	[☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.4 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample reading 3.4 gage less 2.0 mils or 50 µm

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☑] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Paint mixed per manufacturer's instructions: YES [☑] NO [☐]
Time Elapsed Since Surface Prep: 2 HRS.
Specified Material: ZINC CLAD 4100 Material Applied: ZINC CLAD 4100

Part A Batch #'s:	XM0192 01-19-22	Part A Batch #'s:	XM0192 01-19-22
Part B Batch #'s:	HA0272VP 01-27-22	Part B Batch #'s:	HA0272VP 01-27-22
Part C Batch #'s:	1332CL 05-2022	Part C Batch #'s:	1332CL 05-2022
Thinner Batch #'s:	MQ3131 02-20-22	Thinner Batch #'s:	MQ3131 02-20-22

Mix Time:	9:18 AM	Start Application:	10:46 AM	Time Complete:	11:58 AM
Mix Time:		Start Application:		Time Complete:	
Mix Time:		Start Application:		Time Complete:	

Pot Life: 2 - 8 HRS.
Pot Life:
Pot Life:

Material Temp: 67 F 4 TO 7 mils
Qty. Mixed: 3.2 GAL Qty. Applied: 2 GAL Approximate SF: 500
Min. Storage Temp. 40 F Max. Storage Temp. 100 F Actual Storage Temperature 82 F

INTERMEDIATE ☐ **FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: Material Applied:

Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time:		Start Application:		Time Complete:	
Mix Time:		Start Application:		Time Complete:	
Mix Time:		Start Application:		Time Complete:	

Pot Life:
Pot Life:
Pot Life:

Material Temp: Typical Wet Film Readings: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON AIR COMPRESSORS ACCORDING TO ASTM D4285-SPOT BLASTED AND SPOT PRIMED MARKED AREAS FOR RE-WIPE SAMPLING IN ZONE 1 AREA B LEVEL 11. ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Date: 8/16/22
QC Supervisor Signature: Date: 8/16/22

Form No. QC0005 Revision: 0 Rev. Date: 28-Oct-20
Distribution: 1. Jobsite file 2. Project Manager 3. Client
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JOSHUA TILLMAN 8/16/22

CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD,CALIFORNIA
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Tuesday, August 16, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 1 AREA A		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:24 AM	9:24 AM	1:24 PM	5:24 PM					Specified Conditions
Time									
Dry Bulb	65.8 °F	68.9 °F	79.2 °F	80.7 °F					40-120 F
Wet Bulb	59.3 °F	62.8 °F	65.1 °F	67.5 °F					
Depression	6.5 °F	6.1 °F	14.1 °F	13.2 °F					
Relative Humidity	67.3%	70.9%	44.3%	48.5%					85%
Dew Point	54.7 °F	59.1 °F	55.6 °F	59.5 °F					
Steel temp	64.6 °F	67.9 °F	78.5 °F	79.8 °F					40-120 F
Difference	9.8 °F	8.8 °F	22.9 °F	20.3 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☐]	SP 7 [☐]	SP 10 [☑]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.6 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample 8-16-22 A-Area A
reading 3.6 mils
gage less 2.0 mils or 50 um

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: ____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: ____ ____
Specified Material: ____ Material Applied: ____
Part A Batch #'s: ____ Part A Batch #'s: ____
Part B Batch #'s: ____ Part B Batch #'s: ____
Part C Batch #'s: ____ Part C Batch #'s: ____
Thinner Batch #'s: ____ Thinner Batch #'s: ____
Mix Time: ____ Start Application: ____ Time Complete: ____ Pot Life: ____
Mix Time: ____ Start Application: ____ Time Complete: ____ Pot Life: ____
Mix Time: ____ Start Application: ____ Time Complete: ____ Pot Life: ____
Material Temp: ____ mils
Qty. Mixed: ____ Qty. Applied: ____ Approximate SF: ____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: ____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: ____ Material Applied: ____
Part A Batch #'s: ____ Part A Batch #'s: ____
Part B Batch #'s: ____ Part B Batch #'s: ____
Part C Batch #'s: ____ Part C Batch #'s: ____
Thinner Batch #'s: ____ Thinner Batch #'s: ____
Mix Time: ____ Start Application: ____ Time Complete: ____ Pot Life: ____
Mix Time: ____ Start Application: ____ Time Complete: ____ Pot Life: ____
Mix Time: ____ Start Application: ____ Time Complete: ____ Pot Life: ____
Material Temp: ____ Typical Wet Film Readings: ____ mils
Qty. Mixed: ____ Qty. Applied: ____ Approximate SF: ____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE AND FINISHED ABRASIVE BLASTING IN ZONE 1 AREA A, GROUND LEVEL TO LEVEL 17.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: ____ Date: 08/16/22
QC Supervisor Signature: ____ Date: 8/17/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD,CALIFORNIA
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: SPOT BLASTING IN ZONE 1 AREA A

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Thursday, August 18, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:24 AM	9:24 AM	1:24 PM	5:24 PM					Specified Conditions
Time									
Dry Bulb	64.1 °F	63.5 °F	74.8 °F	71.2 °F					40-120 F
Wet Bulb	60.8 °F	60.2 °F	65.7 °F	64.0 °F					
Depression	3.3 °F	3.3 °F	9.1 °F	7.2 °F					
Relative Humidity	82.4%	83.1%	60.8%	67.3%					85%
Dew Point	58.7 °F	58.2 °F	60.4 °F	59.8 °F					
Steel temp	63.2 °F	62.2 °F	74.4 °F	70.4 °F					40-120 F
Difference	4.5 °F	4.0 °F	14.0 °F	10.7 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER**

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☐] SP 7 [☐] SP 10 [☑] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.6 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range see data sheet)
sample 8-18-22 reading 3.6 mils
gage less 2.0 mils or 50 µm

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep:
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: Typical Wet Film Readings: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-SPOT BLASTED
DAMAGED AREAS IN ZONE 1 AREA A DUE TO PRESSURE WASHING IN ZONE 1 AREA D.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Date: 08/18/22
QC Supervisor Signature: Date: 8/18/22

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Attachment 2

Validated confirmation Wipe Sampling Results – High Occupancy Area of Zone 1

Validated Confirmation Wipe Sampling Results - High Occupancy Areas within Zone 1

Hangar 1 NTCRA

Former Naval Air Station Moffett Field, California

		Lead	PCBs								
		Result	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
Location ID [a]	Sample Date	µg/ft²	Concentration - µg/100 cm²								
Cleanup Goal (High Occupancy Zone)		<250	≤10	≤10	≤10	≤10	≤10	≤10	≤10	≤10	≤10
DOOR-N-0.1GW-INT-17 TO 18-220716-CB	7/16/2022	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.4GW-DG-4 TO 17-220716-LA	7/16/2022	200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C1W-LAT-L3-EXT-1 TO 2-220716-WF	7/16/2022	160	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.1GW-DG-3 TO 16-220718-LA	7/18/2022	59	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.2GW-EXT-3 TO 4-220718-CB	7/18/2022	140	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.2GW-DG-3 TO 17-220718-LA	7/18/2022	43	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.2GW-DG-3 TO 17-220718-P-DUP-LA	7/18/2022	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.2GW-PS-16-220718-LA	7/18/2022	130	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.2GW-PS-17-220718-G	7/18/2022	23	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.3GW-PS-17-220718-LA	7/18/2022	120	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.3GW-INT-16 TO 17-220718-CB [b]	7/18/2022	32	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.3GW-INT-16 TO 17-220718-DUP-CB	7/18/2022	51	--	--	--	--	--	--	--	--	--
DOOR-N-0.4GW-PS-17-220718-G	7/18/2022	24	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C1W-LAT-L2-INT-0.5 TO 1-220718-FB	7/18/2022	470	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C1W-MED-L2-EXT-0 TO 1-220718-WF [b]	7/18/2022	42	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C1W-MED-L2-EXT-0 TO 1-220718-DUP-WF	7/18/2022	61	--	--	--	--	--	--	--	--	--
DOOR-N-0.4GW-PS-16-220718-LA	7/18/2022	130	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.4GW-EXT-2 TO 3-220718-CB	7/18/2022	54	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.4GW-EXT-2 TO 3-220718-DUP-CB	7/18/2022	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.1GW-INT-1 TO 16-220719-CB	7/19/2022	230	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.1GW-DG-2 TO 16-220719-LA	7/19/2022	94	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.1GW-DG-2 TO 16-220719-DUP-LA	7/19/2022	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.2GW-EXT-1 TO 2-220719-CB	7/19/2022	330	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.3GW-DG-2 TO 16-220719-LA	7/19/2022	170	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.3GW-INT-1 TO 16-220719-CB	7/19/2022	160	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.4GW-EXT-1 TO 2-220719-CB	7/19/2022	110	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C1W-MED-L1-INT-2 TO 3-220719-FB	7/19/2022	54	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C1W-LAT-L1-EXT-1 TO 2-220719-WF	7/19/2022	240	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C1W-LAT-L1-EXT-1 TO 2-220719-DUP-WF [b]	7/19/2022	220	--	--	--	--	--	--	--	--	--
DOOR-N-0.6GW-INT-17 TO 18-220808-CB	8/8/2022	150	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.8GW-PS-17-220808-LA	8/8/2022	110	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.6GE-EXT 3 TO 4-220808-CB	8/8/2022	160	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.8GE-DG-3 TO 17-220808-G	8/8/2022	110	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.9GE-DG-4 TO 17-220808-LA	8/8/2022	290	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.6GW-DG-3 TO 17-220808-G	8/8/2022	77	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.8GW-DG-3 TO 17-220808-G	8/8/2022	31	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.9GW-DG-4 TO 17-220808-LA	8/8/2022	210	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.9GW-DG-4 TO 17-220808-DUP-LA	8/8/2022	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.6GE-DG-3 TO 17-220808-G	8/8/2022	120	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.6GE-DG-3 TO 17-220808-DUP-G	8/8/2022	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.7GE-INT-16 TO 17-220808-CB	8/8/2022	200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.8GE-PS-17-220808-LA	8/8/2022	190	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Validated Confirmation Wipe Sampling Results - High Occupancy Areas within Zone 1

Hangar 1 NTCRA

Former Naval Air Station Moffett Field, California

		Lead	PCBs								
		Result	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
Location ID [a]	**Sample Date**	**µg/ft²**	**Concentration - µg/100 cm²**								
Cleanup Goal (High Occupancy Zone)		**<250**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**
DOOR-N-0.5GW-INT-1 TO 16-220909-CB	8/9/2022	**150**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.7GW-PS-16-220809-LA	8/9/2022	**160**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.7GW-EXT-2 TO 3-220809-CB [b]	8/9/2022	**54**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.7GW-EXT-2 TO 3-220809-DUP-CB	8/9/2022	**66**	--	--	--	--	--	--	--	--	--
DOOR-N-0.9GW-INT-1 TO 16-220809-CB	8/9/2022	**210**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.7GE-PS-16-220809-LA	8/9/2022	**250**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.7GE-PS-16-220809-DUP-LA [b]	8/9/2022	**140**	--	--	--	--	--	--	--	--	--
DOOR-N-0.9GE-INT-1 TO 16-220809-CB	8/9/2022	**330**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-WF [b]	8/22/2022	**46**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-DUP-WF	8/22/2022	**58**	--	--	--	--	--	--	--	--	--
DOOR-N-0.1GE-DG-4 TO 17-220823-LA	8/23/2022	**48**	<1.0	<1.0	<1.0	<1.0	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
DOOR-N-0.3GE-EXT-3 TO 4-220823-CB	8/23/2022	**52**	<1.0	<1.0	<1.0	<1.0	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
DOOR-N-0.4GE-INT-17 TO 18-220823-CB	8/23/2022	<11	<1.0	<1.0	<1.0	<1.0	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
DOOR-N-0.5GE-DG-4 TO 17-220823-LA	8/23/2022	**53**	<1.0	<1.0	<1.0	<1.0	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
DOOR-N-0.5GE-DG-4 TO 17-220823-DUP-LA	8/23/2022	**--**	<1.0	<1.0	<1.0	<1.0	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
DOOR-N-0.1GE-PS-17-220823-G	8/23/2022	**19**	<1.0	<1.0	<1.0	<1.0	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
DOOR-N-0.2GE-DG-3 TO 16-220823-LA	8/23/2022	**100**	<1.0	<1.0	<1.0	<1.0	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
DOOR-N-0.2GE-INT-1 TO 16-220823-CB	8/23/2022	**45**	<1.0	<1.0	<1.0	<1.0	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
DOOR-N-0.3GE-INT-16 TO 17-220823-CB	8/23/2022	**26**	<1.0	<1.0	<1.0	<1.0	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
DOOR-N-0.3GE-DG-2 TO 16-220823-LA	8/23/2022	**200**	<1.0	<1.0	<1.0	<1.0	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
DOOR-N-0.4GE-DG-3 TO 17-220823-LA	8/23/2022	**29**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
DOOR-N-0.4GE-EXT-2 TO 3-220823-CB	8/23/2022	**44**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
DOOR-N-0.5GE-PS-17-220823-G	8/23/2022	**20**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
DOOR-N-0.5GE-INT-16 TO 17-220823-CB [b]	8/23/2022	<14	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
DOOR-N-0.5GE-INT-16 TO 17-220823-DUP-CB	8/23/2022	**23**	--	--	--	--	--	--	--	--	--
AFRAME-C1E-MED-L1-HS-3-220823-A	8/23/2022	**71**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
AFRAME-C1E-LAT-L1-EXT-0 TO 1-220823-WF	8/23/2022	**250**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.4GE-DG-3 TO 16-220823-LA	8/23/2022	**61**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
DOOR-N-0.4GE-DG-3 TO 16-220823-DUP-LA	8/23/2022	**--**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
DOOR-N-0.3GE-PS-17-220823-G	8/23/2022	**55**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
DOOR-N-0.3GE-PS-17-220823-DUP-G	8/23/2022	**--**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
DOOR-N-0.1GE-DG-2 TO 16-220823-LA	8/23/2022	**82**	<1.0	<1.0	<1.0	<1.0	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
DOOR-N-0.2GE-EXT-3 TO 4-220823-CB [b]	8/23/2022	**58**	<1.0	<1.0	<1.0	<1.0	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
DOOR-N-0.2GE-EXT-3 TO 4-220823-DUP-CB	8/23/2022	**120**	--	--	--	--	--	--	--	--	--
DOOR-N-0.1GE-EXT-2 TO 3-220823	8/23/2022	**110**	<1.0	<1.0	<1.0	<1.0	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
95-Percent UCL (High Occupancy) [c]		**142**	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Validated Confirmation Wipe Sampling Results - High Occupancy Areas within Zone 1

Hangar 1 NTCRA

Former Naval Air Station Moffett Field, California

		Lead	PCBs								
		Result	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
Location ID [a]	**Sample Date**	**µg/ft²**	**Concentration - µg/100 cm²**								
Cleanup Goal (High Occupancy Zone)		**<250**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**
220718-MEDBLANK	7/18/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
220719-MEDBLANK	7/19/2022	**1.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
220809-MEDBLANK	8/9/2022	**7.8**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
220823-MEDBLANK1	8/23/2022	**2.8**	<1.0	<1.0	<1.0	<1.0	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
220823-MEDBLANK2	8/23/2022	**2.1**	<1.0	<1.0	<1.0	<1.0	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ

Acronyms and Abbreviations:

NTCRA: Non-Time-Critical Removal Action

PCBs: polychlorinated biphenyls

µg/100 cm^2: micrograms per 100 square centimeters

µg/ft^2: micrograms per square foot

UCL: Upper Confidence Limit

UJ: Indicates the compound or analyte was analyzed but not detected. The sample detection limit is an estimated value.

-- : Not analyzed/not applicable.

Notes:

[a] Location ID corresponds to the Field ID in the Laboratory Analytical Reports.

[b] The lower result of each duplicate sample pair collected was not included in the calculation of the 95-percent UCL.

[c] The 95-percent UCL was calcualted for lead and, as PCBs were not detected in any of the samples, the values presented for each Aroclor are the maximum of the analytical reporting limits for each Aroclor.

Bolded values indicate constituents detected above laboratory reporting limits.

Shaded values indicate constituents reported at concentrations above Cleanup Goal.

Attachment 3

Confirmation Sampling Analytical Reports

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number:	467769
Report Level:	IV
Report Date:	01/05/2023

PCBs

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	467769
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/22/22

Sample ID	Lab ID	Collected	Matrix
AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-P-WF	467769-001	08/22/22 11:45	Wipe
DOOR-N-0.1GE-EXT-5 TO 6-220822-P-CB	467769-004	08/22/22 10:41	Wipe

ENTHALPY ANALYTICAL

Case Narrative

PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 467769 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 08/22/22

This data package contains sample and QC results for two wipe samples, requested for the above referenced project on 08/23/22. See attached cooler receipt form for any sample receipt problems or discrepancies. Reissued 1/5/23 to revise the preparation method reference.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

467769 JG

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	~~DOOR-N-0.1GE-DG-4 TO 17-2208 -P-~~	8/ /2022		WP	1		X			**Confirmation Wipe Samples - Level IV Report/Stage 3 Validation**
2	~~DOOR-N-0.1GE-DG-4 TO 17-2208 -L-~~	8/ /2022		WP	1			X		Report PCB concentrations on a µg/100cm² basis
3	~~DOOR-N-0.3GE-EXT-3 TO 4-2208 -P-~~	8/ /2022		WP	1		X			Report lead concentrations on a µg/ft² basis
4	~~DOOR-N-0.3GE-EXT-3 TO 4-2208 -L-~~	8/ /2022		WP	1			X		Report Aroclor 1268 concentrations in addition to the standard Aroclors
5	~~DOOR-N-0.4GE-INT-17 TO 18-2208 -P-~~	8/ /2022		WP	1		X			
6	~~DOOR-N-0.4GE-INT-17 TO 18-2208 -L-~~	8/ /2022		WP	1			X		
7	~~DOOR-N-0.5GE-DG-4 TO 17-2208 -P-~~	8/ /2022		WP	1		X			
8	~~DOOR-N-0.5GE-DG-4 TO 17-2208 -P-DUP-~~	8/ /2022		WP	1		X			
9	~~DOOR-N-0.5GE-DG-4 TO 17-2208 -L-~~	8/ /2022		WP	1			X		
10	AFRAME-C1E-LAT-L3-EXT-1 TO 2-2208 22-P-WF	8/22/2022	1145	WP	1		X			
11	AFRAME-C1E-LAT-L3-EXT-1 TO 2-2208 22-L-WF	8/22/2022	1145	WP	1			X		
12	AFRAME-C1E-LAT-L3-EXT-1 TO 2-2208 22-L-DUP-WF	8/22/2022	1145	WP	1			X		
13	~~EXT-5T06-~~ DOOR-N-0.1GE-INT-19 TO 20-202208 22-P-CB	8/22/2022	1041	WP	1		X			
14	~~EXT-5T06-~~ DOOR-N-0.1GE-INT-19 TO 20-202208 22-L-CB	8/22/2022	1041	WP	1			X		
15	~~EXT-5T06-~~ DOOR-N-0.1GE-INT-19 TO 20-202208 22-L-DUP-CB	8/22/2022	1041	WP	1			X		

MK MK MK MK MK MK MK MK MK MK

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michala Ginn/ENV Scientist	Rincon/ENV Scientist	1350 8/22/22
[1] Received By:	Audrey Hudson	ENTHALPY	Audrey Hudson	1:50 8/22/22
[2] Relinquished By:	Audrey Hudson	"	"	16:14 8/22/22
[2] Received By:		Maddie Hill Yip	EA	8/22/22 16:14
[3] Relinquished By:		Lisa Fong Yorita	EA	8/22/22 1743
[3] Received By:				8/23/22 08:35

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 467769 Client: Rincon

Date Received: 8.22.22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 8.22 By (print) JH (sign) JH

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: 1.2, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	–		
Were Method 5035 sampling containers present?		–	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	–		
Are there any missing / extra samples?		–	
Are samples in the appropriate containers for indicated tests?	–		
Are sample labels present, in good condition and complete?	–		
Does the container count match the COC?	–		
Do the sample labels agree with custody papers?	–		
Was sufficient amount of sample sent for tests requested?	–		
Did you change the hold time in LIMS for unpreserved VOAs?			–
Did you change the hold time in LIMS for preserved terracores?			–
Are bubbles > 6mm present in VOA samples?			–
Was the client contacted concerning this sample delivery?		–	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged In 8-22 **By (print)** MAY **(sign)** _____

Date Labeled 8-22 **By (print)** JH **(sign)** JH

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultant, Inc. Project: Hangar 1 - NCTRA WP / 158 Coody Road. Mountain View, CA

Date Received: 8/23/2022 Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.8 #2: _____ #3: _____ #4: _____

(Acceptonce ronge is < 6°C but not frozen (for Microbiology somples, acceptonce ronge is < 10°C but not frozen). It is occeptoble for somples collected the some day os somple receipt to hove o higher temperoture os long os there is evidence thot cooling hos begun.)

Shipping Information: Greyhound

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.9 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Received 6 Jars of samples (-001A → -006A)

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yamira Date: 8/23/2022

9/5.8

c/0.9

ENTHALPY ANALYTICAL

Chain of Custody Record — COC ID:

Page: 1 of 4

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure A

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	
1	~~DOOR-N-0.1GE-DG-4 TO 17-2208 -P-~~	8/ /2022		WP	1		X			MK
2	~~DOOR-N-0.1GE-DG-4 TO 17-2208 -L-~~	8/ /2022		WP	1			X		MK
3	~~DOOR-N-0.3GE-EXT-3 TO 4-2208 -P-~~	8/ /2022		WP	1		X			MK
4	~~DOOR-N-0.3GE-EXT-3 TO 4-2208 -L-~~	8/ /2022		WP	1			X		MK
5	~~DOOR-N-0.4GE-INT-17 TO 18-2208 -P-~~	8/ /2022		WP	1		X			MK
6	~~DOOR-N-0.4GE-INT-17 TO 18-2208 -L-~~	8/ /2022		WP	1			X		MK
7	~~DOOR-N-0.3GE-DG-4 TO 17-2208 -P-~~	8/ /2022		WP	1		X			MK
8	~~DOOR-N-0.5GE-DG-4 TO 17-2208 -P-DUP-~~	8/ /2022		WP	1		X			MK
9	~~DOOR-N-0.5GE-DG-4 TO 17-2208 -L-~~	8/ /2022		WP	1			X		MK
10	AFRAME-C1E-LAT-L3-EXT-1 TO 2-2208 22-P-WF	8/22/2022	1145	WP	1		X			
11	AFRAME-C1E-LAT-L3-EXT-1 TO 2-2208 22-L-WF	8/22/2022	1145	WP	1			X		
12	AFRAME-C1E-LAT-L3-EXT-1 TO 2-2208 22-L-DUP-WF	8/22/2022	1145	WP	1			X		
13	DOOR-N-0.1GE-EXT-10 TO 20-202208 EXT-5106- 22-P-CB	8/22/2022	1041	WP	1		X			
14	DOOR-N-0.1GE-EXT-10 TO 20-202208 EXT-5106- 22-L-CB	8/22/2022	1041	WP	1			X		
15	DOOR-N-0.1GE-EXT-10 TO 20-202208 EXT-5106- 22-L-DUP-CB	8/22/2022	1041	WP	1			X		

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michala Wynn	Scientist Rincon/ERN Scientist	1350 8/22/22
1 Received By:	Audrey Hudson	ENTHALPY	AUDREY HUDSON	1:50 8/22/22
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

CamScanner

Results & QC Summary

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467769 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-P-WF **Batch#:** 295971 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/22/22 **Analysis:** EPA 8082

Lab ID: 467769-001 **Received:** 08/22/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/30/22

Diln Fac: 1.000 **Analyzed:** 08/30/22

467769-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467769-001 Surrogate	%REC	Limits
TCMX (PCB)	79	52-186
Decachlorobiphenyl (PCB)	64	50-150

Field ID: DOOR-N-0.1GE-EXT-5 TO 6-220822-P-CB **Batch#:** 295632 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/22/22 **Analysis:** EPA 8082

Lab ID: 467769-004 **Received:** 08/22/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

Diln Fac: 1.000 **Analyzed:** 08/26/22

467769-004 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467769-004 Surrogate	%REC	Limits
TCMX (PCB)	91	52-186
Decachlorobiphenyl (PCB)	79	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467769 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 295632 **Analysis:** EPA 8082

Lab ID: QC1008494 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1008494 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1008494 Surrogate	%REC	Limits
TCMX (PCB)	92	52-186
Decachlorobiphenyl (PCB)	74	60-140

Type: BLANK **Batch#:** 295971 **Analysis:** EPA 8082

Lab ID: QC1009630 **Prepared:** 08/30/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/30/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1009630 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1009630 Surrogate	%REC	Limits
TCMX (PCB)	95	52-186
Decachlorobiphenyl (PCB)	78	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 467769 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295632 **Analysis:** EPA 8082

Lab ID: QC1008495 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1008495 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.095	102	60-140	ug/100 cm2
Aroclor-1260	5.000	5.648	113	60-140	ug/100 cm2

QC1008495 Surrogate	%REC	Limits
TCMX (PCB)	83	52-186
Decachlorobiphenyl (PCB)	79	60-140

Type: BSD **Batch#:** 295632 **Analysis:** EPA 8082

Lab ID: QC1008496 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1008496 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.690	114	60-140	ug/100 cm2	11	20
Aroclor-1260	5.000	6.161	123	60-140	ug/100 cm2	9	20

QC1008496 Surrogate	%REC	Limits
TCMX (PCB)	97	52-186
Decachlorobiphenyl (PCB)	88	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 467769 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295971 **Analysis:** EPA 8082

Lab ID: QC1009631 **Prepared:** 08/30/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/30/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1009631 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.492	90	60-140	ug/100 cm2
Aroclor-1260	5.000	4.370	87	60-140	ug/100 cm2

QC1009631 Surrogate	%REC	Limits
TCMX (PCB)	93	52-186
Decachlorobiphenyl (PCB)	78	60-140

Type: BSD **Batch#:** 295971 **Analysis:** EPA 8082

Lab ID: QC1009632 **Prepared:** 08/30/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/30/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1009632 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.679	94	60-140	ug/100 cm2	4	20
Aroclor-1260	5.000	4.738	95	60-140	ug/100 cm2	8	20

QC1009632 Surrogate	%REC	Limits
TCMX (PCB)	91	52-186
Decachlorobiphenyl (PCB)	83	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 467769 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_041422015	452150634015		14-APR-2022 18:41	S16585 (100X), S16100 (250X)
L2	gc06_041422016	452150634016		14-APR-2022 18:58	S16585 (40X), S16100 (250X)
L3	gc06_041422017	452150634017		14-APR-2022 19:16	S16585 (20X), S16100 (250X)
L4	gc06_041422018	452150634018		14-APR-2022 19:33	S16585 (8X), S16100 (250X)
L5	gc06_041422019	452150634019		14-APR-2022 19:51	S16585 (4X), S16100 (250X)
L6	gc06_041422020	452150634020		14-APR-2022 20:09	S16585 (2.667X), S16100 (250X)
L7	gc06_041422021	452150634021		14-APR-2022 20:26	S16585 (2X), S16100 (250X)
L8	gc06_041422022	452150634022		14-APR-2022 20:44	S16585 (1.33X), S16100 (250X)
L9	gc06_041422023	452150634023		14-APR-2022 21:01	S16585, S16100 (250X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		51.1278		0.0196	12	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		23.4813		0.0426	17	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		19.9522		0.0501	7	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		26.6618		0.0375	10	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		34.4669		0.0290	13	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		15.8917		0.0629	17	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		10.3178		0.0969	16	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		9.92526		0.1008	11	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		19.9568		0.0501	14	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		15.0787		0.0663	10	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.65776		1.5203	11	9	.99	20	
TCMX (PCB)	A	AVRG		1.03976		0.9618	12	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		53.4063		0.0187	13	8	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		25.7342		0.0389	10	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		19.5135		0.0512	8	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		28.7624		0.0348	10	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		36.7890		0.0272	8	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		16.5241		0.0605	17	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		14.3009		0.0699	15	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		10.5262		0.0950	13	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		19.4527		0.0514	13	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		13.1942		0.0758	14	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.82881		1.2065	11	9	.99	20	
TCMX (PCB)	B	AVRG		1.09191		0.9158	4	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 467769 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0231	0.0227	0.0209	0.0201	0.0187	0.0179	0.0181	0.0177	0.0170
Aroclor-1016 Peak # 2	A	0.0579	0.0492	0.0459	0.0411	0.0401	0.0377	0.0380	0.0376	0.0358
Aroclor-1016 Peak # 3	A	0.0556	0.0544	0.0533	0.0502	0.0495	0.0465	0.0475	0.0478	0.0462
Aroclor-1016 Peak # 4	A	0.0452	0.0402	0.0403	0.0373	0.0367	0.0344	0.0348	0.0349	0.0336
Aroclor-1016 Peak # 5	A	0.0366	0.0313	0.0318	0.0288	0.0282	0.0260	0.0265	0.0266	0.0254
Aroclor-1260 Peak # 1	A	0.0863	0.0696	0.0704	0.0605	0.0604	0.0546	0.0553	0.0564	0.0528
Aroclor-1260 Peak # 2	A	0.1290	0.1076	0.1081	0.0929	0.0932	0.0843	0.0856	0.0887	0.0829
Aroclor-1260 Peak # 3	A	0.1233	0.1080	0.1086	0.0954	0.0970	0.0903	0.0930	0.0985	0.0928
Aroclor-1260 Peak # 4	A	0.0649	0.0543	0.0546	0.0479	0.0490	0.0442	0.0449	0.0473	0.0440
Aroclor-1260 Peak # 5	A	0.0797	0.0687	0.0724	0.0626	0.0650	0.0598	0.0618	0.0654	0.0615
Decachlorobiphenyl (PCB)	A	1.7379	1.5882	1.7199	1.5711	1.6300	1.3467	1.3670	1.4227	1.2993
TCMX (PCB)	A	1.2458	1.0303	0.9495	0.8937	0.9019	0.8810	0.9149	0.9235	0.9152
Aroclor-1016 Peak # 1	B		0.0232	0.0215	0.0191	0.0183	0.0172	0.0173	0.0168	0.0162
Aroclor-1016 Peak # 2	B	0.0444	0.0428	0.0426	0.0397	0.0384	0.0360	0.0363	0.0355	0.0340
Aroclor-1016 Peak # 3	B	0.0572	0.0573	0.0541	0.0510	0.0506	0.0471	0.0486	0.0480	0.0473
Aroclor-1016 Peak # 4	B	0.0420	0.0372	0.0371	0.0352	0.0341	0.0320	0.0325	0.0320	0.0309
Aroclor-1016 Peak # 5	B	0.0313	0.0295	0.0290	0.0271	0.0270	0.0252	0.0256	0.0255	0.0245
Aroclor-1260 Peak # 1	B	0.0820	0.0682	0.0674	0.0585	0.0578	0.0528	0.0531	0.0540	0.0509
Aroclor-1260 Peak # 2	B	0.0913	0.0772	0.0777	0.0683	0.0672	0.0613	0.0623	0.0639	0.0601
Aroclor-1260 Peak # 3	B	0.1205	0.1032	0.1035	0.0913	0.0919	0.0839	0.0860	0.0896	0.0852
Aroclor-1260 Peak # 4	B	0.0648	0.0555	0.0557	0.0505	0.0510	0.0461	0.0439	0.0490	0.0462
Aroclor-1260 Peak # 5	B	0.0991	0.0829	0.0833	0.0720	0.0729	0.0663	0.0670	0.0713	0.0673
Decachlorobiphenyl (PCB)	B	1.4005	1.2744	1.3672	1.2436	1.2790	1.0642	1.0803	1.1172	1.0325
TCMX (PCB)	B	1.0035	0.9180	0.8869	0.8884	0.9009	0.8817	0.9159	0.9229	0.9244

ENTHALPY INITIAL CALIBRATION FOR 467769 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	18	50.000	16	100.00	7	250.00	3	500.00	-4	749.91	-9	1000.0	-8	1503.8	-10
Aroclor-1016 Peak # 2	A	20.000	**36**	50.000	15	100.00	8	250.00	-3	500.00	-6	749.91	-11	1000.0	-11	1503.8	-12
Aroclor-1016 Peak # 3	A	20.000	11	50.000	9	100.00	6	250.00	0	500.00	-1	749.91	-7	1000.0	-5	1503.8	-5
Aroclor-1016 Peak # 4	A	20.000	**21**	50.000	7	100.00	8	250.00	-1	500.00	-2	749.91	-8	1000.0	-7	1503.8	-7
Aroclor-1016 Peak # 5	A	20.000	**26**	50.000	8	100.00	9	250.00	-1	500.00	-3	749.91	-11	1000.0	-9	1503.8	-8
Aroclor-1260 Peak # 1	A	20.000	**37**	50.000	11	100.00	12	250.00	-4	500.00	-4	749.91	-13	1000.0	-12	1503.8	-10
Aroclor-1260 Peak # 2	A	20.000	**33**	50.000	11	100.00	11	250.00	-4	500.00	-4	749.91	-13	1000.0	-12	1503.8	-8
Aroclor-1260 Peak # 3	A	20.000	**22**	50.000	7	100.00	8	250.00	-5	500.00	-4	749.91	-10	1000.0	-8	1503.8	-2
Aroclor-1260 Peak # 4	A	20.000	**29**	50.000	8	100.00	9	250.00	-4	500.00	-2	749.91	-12	1000.0	-10	1503.8	-6
Aroclor-1260 Peak # 5	A	20.000	20	50.000	4	100.00	9	250.00	-6	500.00	-2	749.91	-10	1000.0	-7	1503.8	-1
Decachlorobiphenyl (PCB)	A	0.8000	14	2.0000	4	4.0000	13	10.000	3	20.000	7	29.996	-11	40.000	-10	60.150	-6
TCMX (PCB)	A	0.8000	**30**	2.0000	7	4.0000	-1	10.000	-7	20.000	-6	29.996	-8	40.000	-5	60.150	-4
Aroclor-1016 Peak # 1	B			50.000	**24**	100.00	15	250.00	2	500.00	-2	749.91	-8	1000.0	-8	1503.8	-10
Aroclor-1016 Peak # 2	B	20.000	14	50.000	10	100.00	10	250.00	2	500.00	-1	749.91	-7	1000.0	-7	1503.8	-9
Aroclor-1016 Peak # 3	B	20.000	12	50.000	12	100.00	6	250.00	0	500.00	-1	749.91	-8	1000.0	-5	1503.8	-6
Aroclor-1016 Peak # 4	B	20.000	**21**	50.000	7	100.00	7	250.00	1	500.00	-2	749.91	-8	1000.0	-6	1503.8	-8
Aroclor-1016 Peak # 5	B	20.000	15	50.000	8	100.00	7	250.00	0	500.00	-1	749.91	-7	1000.0	-6	1503.8	-6
Aroclor-1260 Peak # 1	B	20.000	**35**	50.000	13	100.00	11	250.00	-3	500.00	-4	749.91	-13	1000.0	-12	1503.8	-11
Aroclor-1260 Peak # 2	B	20.000	**31**	50.000	10	100.00	11	250.00	-2	500.00	-4	749.91	-12	1000.0	-11	1503.8	-9
Aroclor-1260 Peak # 3	B	20.000	**27**	50.000	9	100.00	9	250.00	-4	500.00	-3	749.91	-12	1000.0	-10	1503.8	-6
Aroclor-1260 Peak # 4	B	20.000	**26**	50.000	8	100.00	8	250.00	-2	500.00	-1	749.91	-10	1000.0	-15	1503.8	-5
Aroclor-1260 Peak # 5	B	20.000	**31**	50.000	9	100.00	10	250.00	-5	500.00	-4	749.91	-13	1000.0	-12	1503.8	-6
Decachlorobiphenyl (PCB)	B	0.8000	16	2.0000	6	4.0000	13	10.000	3	20.000	6	29.996	-12	40.000	-10	60.150	-7
TCMX (PCB)	B	0.8000	10	2.0000	0	4.0000	-3	10.000	-3	20.000	-2	29.996	-4	40.000	0	60.150	1

ENTHALPY INITIAL CALIBRATION FOR 467769 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-13
Aroclor-1016 Peak # 2	A	2000.0	-16
Aroclor-1016 Peak # 3	A	2000.0	-8
Aroclor-1016 Peak # 4	A	2000.0	-10
Aroclor-1016 Peak # 5	A	2000.0	-12
Aroclor-1260 Peak # 1	A	2000.0	-16
Aroclor-1260 Peak # 2	A	2000.0	-14
Aroclor-1260 Peak # 3	A	2000.0	-8
Aroclor-1260 Peak # 4	A	2000.0	-12
Aroclor-1260 Peak # 5	A	2000.0	-7
Decachlorobiphenyl (PCB)	A	80.000	-15
TCMX (PCB)	A	80.000	-5
Aroclor-1016 Peak # 1	B	2000.0	-14
Aroclor-1016 Peak # 2	B	2000.0	-12
Aroclor-1016 Peak # 3	B	2000.0	-8
Aroclor-1016 Peak # 4	B	2000.0	-11
Aroclor-1016 Peak # 5	B	2000.0	-10
Aroclor-1260 Peak # 1	B	2000.0	-16
Aroclor-1260 Peak # 2	B	2000.0	-14
Aroclor-1260 Peak # 3	B	2000.0	-10
Aroclor-1260 Peak # 4	B	2000.0	-10
Aroclor-1260 Peak # 5	B	2000.0	-11
Decachlorobiphenyl (PCB)	B	80.000	-14
TCMX (PCB)	B	80.000	1

TJW 04/15/22 : Manually integrated due to baseline corrections for all channels in multiple levels

Analyst: TJW 04/15/22

Reviewer: LW 04/15/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 467769 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_041422_1
Calnum:	452150634002	Cal Date:	14-APR-2022

- ICV 452150634025 (gc06_041422025 14-APR-2022) stds: S16736

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	470.1	ug/L	-6	15	
Aroclor-1260	A	500.0	484.1	ug/L	-3	15	
Aroclor-1016	B	500.0	481.4	ug/L	-4	15	
Aroclor-1260	B	500.0	486.3	ug/L	-3	15	

-

Analyst: TJW 04/15/22 **Reviewer:** LW 04/15/22

ENTHALPY CONTINUING CALIBRATION FOR 467769 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452343556002	File:	gc06_082622002	Time:	26-AUG-2022 13:56
Cal:	452150634002	Caldate:	14-APR-2022		

Standards: S17055

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	550.8	ug/L	10	15	0.0000	
Aroclor-1260	A			500.0	569.3	ug/L	14	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.5203	1.7501	20.00	23.02	ug/L	15	15	0.0000	
TCMX (PCB)	A	0.9618	1.9034	20.00	39.58	ug/L	**98**	15	0.0000	c+
Aroclor-1016	B			500.0	579.5	ug/L	**16**	15	0.0000	**c+** ***
Aroclor-1260	B			500.0	605.4	ug/L	**21**	15	0.0000	**c+** ***
Decachlorobiphenyl (PCB)	B	1.2065	1.6012	20.00	26.54	ug/L	**33**	15	0.0000	c+
TCMX (PCB)	B	0.9158	1.9823	20.00	43.29	ug/L	**116**	15	0.0000	c+

ISTD (ICAL gc06_041422016)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6493014	8218495	26.57
1-bromo-2-nitrobenzene (PCB)	A	1831488	1919479	4.80

TRN 08/26/22 : Report from CH A

+=high bias c=CCV

Analyst: TRN 08/26/22 **Reviewer:** SLL 08/29/22

ENTHALPY CONTINUING CALIBRATION FOR 467769 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452349374002	File:	gc06_083022002	Time:	30-AUG-2022 14:54
Cal:	452150634002	Caldate:	14-APR-2022		

Standards: S17055

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	454.1	ug/L	-9	15	0.0000	
Aroclor-1260	A			500.0	469.4	ug/L	-6	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.5203	1.3144	20.00	17.29	ug/L	-14	15	0.0000	
TCMX (PCB)	A	0.9618	0.9916	20.00	20.62	ug/L	3	15	0.0000	
Aroclor-1016	B			500.0	491.4	ug/L	-2	15	0.0000	
Aroclor-1260	B			500.0	484.9	ug/L	-3	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2065	1.1754	20.00	19.48	ug/L	-3	15	0.0000	
TCMX (PCB)	B	0.9158	0.9897	20.00	21.61	ug/L	8	15	0.0000	

ISTD (ICAL gc06_041422016)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6493014	5237900	-19.33
1-bromo-2-nitrobenzene (PCB)	A	1831488	1298245	-29.12

TRN 08/30/22 [Aroclor-1016 A]: Separated from coeluting peak for Ch. A.

Analyst: TRN 08/30/22 **Reviewer:** LW 08/30/22

Enthalpy Internal Standard Summary for Sequence 452343556

Date:	08/26/22	Reference:	gc06_041422016
Sequence:	SVOA-GC06 gc06_082622	Analyzed:	04/14/22 18:58

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	6493014	1831488
		LOWER LIMIT	3246507	915744
		UPPER LIMIT	12986028	3662976
002	CCV		8218495	1919479
054	CCV		9640442	1993573

Enthalpy Internal Standard Summary for Sequence 452343556

Date: 08/26/22 Reference: gc06_082622002
Sequence: SVOA-GC06 gc06_082622 Analyzed: 08/26/22 13:56

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	8218495	1919479
		LOWER LIMIT	4109247	959740
		UPPER LIMIT	16436989	3838958
004	SAMPLE	467774-005	3485 *	706 *
006	SAMPLE	467774-005	19114025 *	3817896
013	BLANK	QC1008494	10776439	2035190
014	BS	QC1008495	9631063	1765534
015	BSD	QC1008496	8789073	1599891
016	SAMPLE	467767-001	7402786	1492388
017	SAMPLE	467769-004	7173330	1417500
018	SAMPLE	467771-001	8084283	1602079
019	SAMPLE	467771-003	8704926	1713222
020	SAMPLE	467771-005	8868625	1726643
021	SAMPLE	467771-007	25654111 *	4986268 *
022	SAMPLE	467774-001	26203321 *	5088749 *
023	SAMPLE	467774-003	10056210	1995906
024	SAMPLE	467774-007	24316230 *	4621759 *
025	SAMPLE	467872-039	8592765	1664480
026	SAMPLE	467872-041	8065302	1581957
027	SAMPLE	467872-044	16256538	3118391
028	SAMPLE	467872-046	8655156	1701107
029	SAMPLE	467872-048	8784782	1730339
030	BLANK	QC1008491	8469873	1541915
031	BS	QC1008492	7747147	1544213
032	BSD	QC1008493	7674423	1573816
033	SAMPLE	467872-001	7918075	1559928
034	SAMPLE	467872-003	8533392	1634001
035	SAMPLE	467872-005	9827992	1840514
036	SAMPLE	467872-007	7714453	1457825
037	SAMPLE	467872-008	10457717	1942460
038	SAMPLE	467872-010	7831157	1486306
039	SAMPLE	467872-012	6840643	1340797
040	SAMPLE	467872-014	7589971	1402635
041	SAMPLE	467872-016	9279861	1756314
042	SAMPLE	467872-018	8125603	1506070

Enthalpy Internal Standard Summary for Sequence 452343556

Date: 08/26/22 Reference: gc06_082622002
Sequence: SVOA-GC06 gc06_082622 Analyzed: 08/26/22 13:56

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.13	4.36
		LOWER LIMIT	3.93	4.16
		UPPER LIMIT	4.33	4.56
004	SAMPLE	467774-005	4.12	4.28
006	SAMPLE	467774-005	4.13	4.36
013	BLANK	QC1008494	4.13	4.36
014	BS	QC1008495	4.13	4.36
015	BSD	QC1008496	4.13	4.36
016	SAMPLE	467767-001	4.12	4.36
017	SAMPLE	467769-004	4.12	4.36
018	SAMPLE	467771-001	4.13	4.36
019	SAMPLE	467771-003	4.13	4.36
020	SAMPLE	467771-005	4.12	4.36
021	SAMPLE	467771-007	4.12	4.36
022	SAMPLE	467774-001	4.12	4.35
023	SAMPLE	467774-003	4.12	4.35
024	SAMPLE	467774-007	4.13	4.36
025	SAMPLE	467872-039	4.12	4.36
026	SAMPLE	467872-041	4.12	4.36
027	SAMPLE	467872-044	4.13	4.36
028	SAMPLE	467872-046	4.13	4.36
029	SAMPLE	467872-048	4.12	4.36
030	BLANK	QC1008491	4.12	4.36
031	BS	QC1008492	4.12	4.36
032	BSD	QC1008493	4.13	4.36
033	SAMPLE	467872-001	4.12	4.36
034	SAMPLE	467872-003	4.12	4.36
035	SAMPLE	467872-005	4.12	4.36
036	SAMPLE	467872-007	4.12	4.36
037	SAMPLE	467872-008	4.12	4.36
038	SAMPLE	467872-010	4.12	4.36
039	SAMPLE	467872-012	4.12	4.36
040	SAMPLE	467872-014	4.12	4.36
041	SAMPLE	467872-016	4.12	4.36
042	SAMPLE	467872-018	4.12	4.36

Enthalpy Internal Standard Summary for Sequence 452349374

Date:	08/30/22	Reference:	gc06_041422016
Sequence:	SVOA-GC06 gc06_083022	Analyzed:	04/14/22 18:58

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	6493014	1831488
		LOWER LIMIT	3246507	915744
		UPPER LIMIT	12986028	3662976
002	CCV		5237900	1298245

Enthalpy Internal Standard Summary for Sequence 452349374

Date:	08/30/22	Reference:	gc06_083022002
Sequence:	SVOA-GC06 gc06_083022	Analyzed:	08/30/22 14:54

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	5237900	1298245
		LOWER LIMIT	2618950	649122
		UPPER LIMIT	10475799	2596490
008	BLANK	QC1009630	5340596	1204945
009	BS	QC1009631	5757605	1273713
010	BSD	QC1009632	5159856	1182538
011	SAMPLE	467769-001	5329585	1185942

Enthalpy Internal Standard Summary for Sequence 452349374

Date:	08/30/22	Reference:	gc06_083022002
Sequence:	SVOA-GC06 gc06_083022	Analyzed:	08/30/22 14:54

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.13	4.36
		LOWER LIMIT	3.93	4.16
		UPPER LIMIT	4.33	4.56
008	BLANK	QC1009630	4.13	4.36
009	BS	QC1009631	4.13	4.36
010	BSD	QC1009632	4.13	4.36
011	SAMPLE	467769-001	4.12	4.36

Enthalpy Sequence Summary for Sequence 452150634

Instrument: SVOA-GC06 Begun: 04/14/22 14:34
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	gc06_041422001	UNKNOWN	HEXANE			04/14/22 14:34	1.0	1	4:DDD44=1100
002	gc06_041422002	PEM				04/14/22 14:52	1.0	2	
003	gc06_041422003	UNKNOWN	HEXANE			04/14/22 15:10	1.0	1	3:GCHLORDANE=5600
004	gc06_041422004	ICAL				04/14/22 15:27	1.0	3 4	
005	gc06_041422005	ICAL				04/14/22 15:45	1.0	3 4	
006	gc06_041422006	ICAL				04/14/22 16:02	1.0	3 4	
007	gc06_041422007	ICAL				04/14/22 16:20	1.0	3 4	
008	gc06_041422008	ICAL				04/14/22 16:38	1.0	3 4	
009	gc06_041422009	ICAL				04/14/22 16:55	1.0	3 4	
010	gc06_041422010	ICAL				04/14/22 17:13	1.0	3 4	
011	gc06_041422011	ICAL				04/14/22 17:30	1.0	3 4	
012	gc06_041422012	UNKNOWN	HEXANE			04/14/22 17:48	1.0	1	2:GCHLORDANE=4300
013	gc06_041422013	ICV				04/14/22 18:05	1.0	5	
014	gc06_041422014	UNKNOWN	HEXANE			04/14/22 18:23	1.0	1	
015	gc06_041422015	ICAL				04/14/22 18:41	1.0	6 4	
016	gc06_041422016	ICAL				04/14/22 18:58	1.0	6 4	
017	gc06_041422017	ICAL				04/14/22 19:16	1.0	6 4	
018	gc06_041422018	ICAL				04/14/22 19:33	1.0	6 4	
019	gc06_041422019	ICAL				04/14/22 19:51	1.0	6 4	
020	gc06_041422020	ICAL				04/14/22 20:09	1.0	6 4	
021	gc06_041422021	ICAL				04/14/22 20:26	1.0	6 4	
022	gc06_041422022	ICAL				04/14/22 20:44	1.0	6 4	
023	gc06_041422023	ICAL				04/14/22 21:01	1.0	6 4	
024	gc06_041422024	UNKNOWN	HEXANE			04/14/22 21:19	1.0	1	7:GCHLORDANE=44000
025	gc06_041422025	ICV				04/14/22 21:37	1.0	7	

TJW 04/15/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 1 through 25.

Standards Used:
1=S16324 2=S16226 3=S16727 4=S16100 5=S16619 6=S16585 7=S16736

Enthalpy Sequence Summary for Sequence 452343556

Instrument: SVOA-GC06 Begun: 08/26/22 13:56
Method: EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc06_082622002	CCV				08/26/22 13:56	1.0	1	
004	gc06_082622004	SAMPLE	467774-005	Wipe	295632	08/26/22 14:32	1.0	2	2:PCB1016#1=2800
006	gc06_082622006	SAMPLE	467774-005	Wipe	295632	08/26/22 14:58	1.0	2	
013	gc06_082622013	BLANK	QC1008494	Wipe	295632	08/26/22 17:17	1.0	2	
014	gc06_082622014	BS	QC1008495	Wipe	295632	08/26/22 17:35	1.0	2	
015	gc06_082622015	BSD	QC1008496	Wipe	295632	08/26/22 17:52	1.0	2	
016	gc06_082622016	SAMPLE	467767-001	Wipe	295632	08/26/22 18:10	1.0	2	
017	gc06_082622017	SAMPLE	467769-004	Wipe	295632	08/26/22 18:27	1.0	2	
018	gc06_082622018	SAMPLE	467771-001	Wipe	295632	08/26/22 18:44	1.0	2	
019	gc06_082622019	SAMPLE	467771-003	Wipe	295632	08/26/22 19:02	1.0	2	
020	gc06_082622020	SAMPLE	467771-005	Wipe	295632	08/26/22 19:19	1.0	2	
021	gc06_082622021	SAMPLE	467771-007	Wipe	295632	08/26/22 19:37	1.0	2	
022	gc06_082622022	SAMPLE	467774-001	Wipe	295632	08/26/22 19:54	1.0	2	
023	gc06_082622023	SAMPLE	467774-003	Wipe	295632	08/26/22 20:12	1.0	2	
024	gc06_082622024	SAMPLE	467774-007	Wipe	295632	08/26/22 20:29	1.0	2	
025	gc06_082622025	SAMPLE	467872-039	Wipe	295632	08/26/22 20:46	1.0	2	
026	gc06_082622026	SAMPLE	467872-041	Wipe	295632	08/26/22 21:04	1.0	2	
027	gc06_082622027	SAMPLE	467872-044	Wipe	295632	08/26/22 21:21	1.0	2	
028	gc06_082622028	SAMPLE	467872-046	Wipe	295632	08/26/22 21:39	1.0	2	
029	gc06_082622029	SAMPLE	467872-048	Wipe	295632	08/26/22 21:56	1.0	2	
030	gc06_082622030	BLANK	QC1008491	Wipe	295631	08/26/22 22:13	1.0	2	
031	gc06_082622031	BS	QC1008492	Wipe	295631	08/26/22 22:31	1.0	2	
032	gc06_082622032	BSD	QC1008493	Wipe	295631	08/26/22 22:48	1.0	2	
033	gc06_082622033	SAMPLE	467872-001	Wipe	295631	08/26/22 23:06	1.0	2	
034	gc06_082622034	SAMPLE	467872-003	Wipe	295631	08/26/22 23:23	1.0	2	
035	gc06_082622035	SAMPLE	467872-005	Wipe	295631	08/26/22 23:40	1.0	2	
036	gc06_082622036	SAMPLE	467872-007	Wipe	295631	08/26/22 23:58	1.0	2	
037	gc06_082622037	SAMPLE	467872-008	Wipe	295631	08/27/22 00:15	1.0	2	
038	gc06_082622038	SAMPLE	467872-010	Wipe	295631	08/27/22 00:33	1.0	2	
039	gc06_082622039	SAMPLE	467872-012	Wipe	295631	08/27/22 00:50	1.0	2	
040	gc06_082622040	SAMPLE	467872-014	Wipe	295631	08/27/22 01:07	1.0	2	
041	gc06_082622041	SAMPLE	467872-016	Wipe	295631	08/27/22 01:25	1.0	2	
042	gc06_082622042	SAMPLE	467872-018	Wipe	295631	08/27/22 01:42	1.0	2	
054	gc06_082622054	CCV				08/27/22 05:11	1.0	1	
062	gc06_082622062	SAMPLE	467872-020	Wipe	295631	08/27/22 07:31	1.0	2	
063	gc06_082622063	SAMPLE	467872-022	Wipe	295631	08/27/22 07:48	1.0	2	
064	gc06_082622064	SAMPLE	467872-024	Wipe	295631	08/27/22 08:06	1.0	2	
065	gc06_082622065	SAMPLE	467872-026	Wipe	295631	08/27/22 08:23	1.0	2	
066	gc06_082622066	SAMPLE	467872-029	Wipe	295631	08/27/22 08:41	1.0	2	
067	gc06_082622067	SAMPLE	467872-031	Wipe	295631	08/27/22 08:58	1.0	2	6:PCB1260#5=16000
068	gc06_082622068	SAMPLE	467872-033	Wipe	295631	08/27/22 09:15	1.0	2	
069	gc06_082622069	SAMPLE	467872-034	Wipe	295631	08/27/22 09:33	1.0	2	
070	gc06_082622070	SAMPLE	467872-036	Wipe	295631	08/27/22 09:50	1.0	2	
071	gc06_082622071	SAMPLE	467872-037	Wipe	295631	08/27/22 10:08	1.0	2	

TRN 08/29/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 71.

Standards Used:
1=S17055 2=S17010

Enthalpy Sequence Summary for Sequence 452349374

Instrument: SVOA-GC06 Begun: 08/30/22 14:54
Method: EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
002	gc06_083022002	CCV				08/30/22 14:54	1.0	1
008	gc06_083022008	BLANK	QC1009630	Wipe	295971	08/30/22 16:04	1.0	2
009	gc06_083022009	BS	QC1009631	Wipe	295971	08/30/22 16:21	1.0	2
010	gc06_083022010	BSD	QC1009632	Wipe	295971	08/30/22 16:39	1.0	2
011	gc06_083022011	SAMPLE	467769-001	Wipe	295971	08/30/22 16:57	1.0	2

TRN 08/30/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 11.

Standards Used:
1=S17055 2=S17010

SAMPLE PREPARATION SUMMARY

Batch # : 295632
Started By : EPL
Method : 3572M
Spike #1 ID : S17205
Prep Date : 24-AUG-2022 13:45
Spike #2 ID : S17022
Analysis : 8080
Finished By : EPL
Units : dm2

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
467767-001		Wipe	1	20	1	20.0		1				PCB	
467769-004		Wipe	1	20	1	20.0		1				PCB	
467771-001		Wipe	1	20	1	20.0		1				PCB	
467771-003		Wipe	1	20	1	20.0		1				PCB	
467771-005		Wipe	1	20	1	20.0		1				PCB	
467771-007		Wipe	1	20	1	20.0		1				PCB	
467774-001		Wipe	1	20	1	20.0		1				PCB	
467774-003		Wipe	1	20	1	20.0		1				PCB	
467774-005		Wipe	1	20	1	20.0		1				PCB	
467774-007		Wipe	1	20	1	20.0		1				PCB	
467872-039		Wipe	1	20	1	20.0		1				PCB	
467872-041		Wipe	1	20	1	20.0		1				PCB	
467872-044		Wipe	1	20	1	20.0		1				PCB	
467872-046		Wipe	1	20	1	20.0		1				PCB	
467872-048		Wipe	1	20	1	20.0		1				PCB	
QC1008494	BLANK	Wipe	1	10	1	10.0		.5				8080	
QC1008495	BS	Wipe	1	10	1	10.0		.5	.5			8080	
QC1008496	BSD	Wipe	1	10	1	10.0		.5	.5			8080	

TRN 08/29/22 : BS/D verify the batch

Analyst: TRN Date: 08/29/22 Reviewer: SLL Date: 08/29/22

8081/8082 Prep Log

Date/Time: 8/24/22 13:45 Initials: EPL

3572M 1-5-23 MAG

608 QC Batch#:

Matrix: WIPE Prep Method: ~~3580~~ Balance ID: N/A

8081 QC Batch #:

8082 QC Batch #: 295632

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Witness ID	Comment
Blank		1 dm²	N/A	SH3	N/A	10.0			500 µL SURROGATE
LCS		↓	↓	↓	↓	↓			↓
LCSD									
467872-039	A					20.0			
-041	A								
-044	A								
-046	A								
-048	A								
467767-001	A								
467769-004	A								
467771-001	A								
-003	A								
-005	A								
-007	A								
467774-001	A								
-003	A								
-005	A								
-007	A	↓	↓	↓	↓	↓			

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: 220771

Acetone-Hexane Mix ID: N/A

Sodium Sulfate Lot: N/A

Baked Sand Lot: N/A

Surrogate ID: ~~S12E1~~ 8/24 S17305 Volume: 1000 µL

Pest LCS Spike ID: N/A Volume: N/A µL

PCB LCS Spike ID: S17022 Volume: 500 µL

Pest MS/MSD Spike ID: N/A Volume: N/A µL

PCB MS/MSD Spike ID: N/A Volume: N/A µL

SAMPLE PREPARATION SUMMARY

Batch # : 295971 Analysis : 8080
Started By : EPL Prep Date : 30-AUG-2022 07:40 Finished By : EPL
Method : 3572M Units : dm2
Spike #1 ID : S17205 Spike #2 ID : S17230

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
467769-001		Wipe	1	20	1	20.0		1				PCB	
QC1009630	BLANK	Wipe	1	10	1	10.0		.5				8080	
QC1009631	BS	Wipe	1	10	1	10.0		.5	.5			8080	
QC1009632	BSD	Wipe	1	10	1	10.0		.5	.5			8080	

TRN 08/30/22 : BS/D verify the batch

Analyst: TRN Date: 08/30/22 Reviewer: LW Date: 08/30/22

8081/8082 Prep Log

Date/Time: 8/30/22 7:40 Initials: EPL

608 QC Batch#:

3572M 1-5-23 MAG

8081 QC Batch #:

Matrix: WIPE Prep Method: ~~3580~~ Balance ID: N/A

8082 QC Batch #: 295971

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Witness ID	Comment
Blank		dm²	N/A	SH3	N/A	10.0			500µL SURROGATE
LCS		↓	↓	↓	↓	↓			↓
LCSD		↓	↓	↓	↓	↓			↓
467769-001	A	↓	↓	↓	↓	20.0			

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: 221411

Acetone-Hexane Mix ID: N/A

Sodium Sulfate Lot: N/A

Baked Sand Lot: N/A

Surrogate ID: 517205 Volume: 1000 µL

Pest LCS Spike ID: N/A Volume: N/A µL

PCB LCS Spike ID: 517230 Volume: 500 µL

Pest MS/MSD Spike ID: N/A Volume: N/A µL

PCB MS/MSD Spike ID: ↓ Volume: ↓ µL

REPORTING SUMMARY FOR 467769 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
467769-001	Aroclor-1016	SVOA-GC06	B	08/30/22 16:57
467769-001	Aroclor-1221	SVOA-GC06	B	08/30/22 16:57
467769-001	Aroclor-1232	SVOA-GC06	B	08/30/22 16:57
467769-001	Aroclor-1242	SVOA-GC06	B	08/30/22 16:57
467769-001	Aroclor-1248	SVOA-GC06	B	08/30/22 16:57
467769-001	Aroclor-1254	SVOA-GC06	B	08/30/22 16:57
467769-001	Aroclor-1260	SVOA-GC06	B	08/30/22 16:57
467769-001	Aroclor-1262	SVOA-GC06	B	08/30/22 16:57
467769-001	Aroclor-1268	SVOA-GC06	B	08/30/22 16:57
467769-001	TCMX (PCB)	SVOA-GC06	B	08/30/22 16:57
467769-001	Decachlorobiphenyl (PCB)	SVOA-GC06	B	08/30/22 16:57
467769-004	Aroclor-1016	SVOA-GC06	A	08/26/22 18:27
467769-004	Aroclor-1221	SVOA-GC06	A	08/26/22 18:27
467769-004	Aroclor-1232	SVOA-GC06	A	08/26/22 18:27
467769-004	Aroclor-1242	SVOA-GC06	A	08/26/22 18:27
467769-004	Aroclor-1248	SVOA-GC06	A	08/26/22 18:27
467769-004	Aroclor-1254	SVOA-GC06	A	08/26/22 18:27
467769-004	Aroclor-1260	SVOA-GC06	A	08/26/22 18:27
467769-004	Aroclor-1262	SVOA-GC06	A	08/26/22 18:27
467769-004	Aroclor-1268	SVOA-GC06	A	08/26/22 18:27
467769-004	TCMX (PCB)	SVOA-GC06	A	08/26/22 18:27
467769-004	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 18:27
QC1008494	Aroclor-1016	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1221	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1232	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1242	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1248	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1254	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1260	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1262	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1268	SVOA-GC06	A	08/26/22 17:17
QC1008494	TCMX (PCB)	SVOA-GC06	A	08/26/22 17:17
QC1008494	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 17:17
QC1009630	Aroclor-1016	SVOA-GC06	B	08/30/22 16:04
QC1009630	Aroclor-1221	SVOA-GC06	B	08/30/22 16:04
QC1009630	Aroclor-1232	SVOA-GC06	B	08/30/22 16:04
QC1009630	Aroclor-1242	SVOA-GC06	B	08/30/22 16:04
QC1009630	Aroclor-1248	SVOA-GC06	B	08/30/22 16:04
QC1009630	Aroclor-1254	SVOA-GC06	B	08/30/22 16:04
QC1009630	Aroclor-1260	SVOA-GC06	B	08/30/22 16:04
QC1009630	Aroclor-1262	SVOA-GC06	B	08/30/22 16:04
QC1009630	Aroclor-1268	SVOA-GC06	B	08/30/22 16:04
QC1009630	TCMX (PCB)	SVOA-GC06	B	08/30/22 16:04
QC1009630	Decachlorobiphenyl (PCB)	SVOA-GC06	B	08/30/22 16:04
QC1008495	Aroclor-1016	SVOA-GC06	A	08/26/22 17:35
QC1008495	Aroclor-1260	SVOA-GC06	A	08/26/22 17:35
QC1008495	TCMX (PCB)	SVOA-GC06	A	08/26/22 17:35
QC1008495	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 17:35
QC1008496	Aroclor-1016	SVOA-GC06	A	08/26/22 17:52

REPORTING SUMMARY FOR 467769 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
QC1008496	Aroclor-1260	SVOA-GC06	A	08/26/22 17:52
QC1008496	TCMX (PCB)	SVOA-GC06	A	08/26/22 17:52
QC1008496	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 17:52
QC1009631	Aroclor-1016	SVOA-GC06	B	08/30/22 16:21
QC1009631	Aroclor-1260	SVOA-GC06	B	08/30/22 16:21
QC1009631	TCMX (PCB)	SVOA-GC06	B	08/30/22 16:21
QC1009631	Decachlorobiphenyl (PCB)	SVOA-GC06	B	08/30/22 16:21
QC1009632	Aroclor-1016	SVOA-GC06	B	08/30/22 16:39
QC1009632	Aroclor-1260	SVOA-GC06	B	08/30/22 16:39
QC1009632	TCMX (PCB)	SVOA-GC06	B	08/30/22 16:39
QC1009632	Decachlorobiphenyl (PCB)	SVOA-GC06	B	08/30/22 16:39

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467769-001	Client ID:	AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-P-WF
Seqnum:	452349374011	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_083022011	Batch:	295971	Time:	30-AUG-2022 16:57
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	21.58	ND	1.5	109%	1.0		u
Aroclor-1016 Peak # 1	B	30.93	0.62	0.76	20%			
Aroclor-1016 Peak # 2	B	8.248	0.16	0.01	167%			
Aroclor-1016 Peak # 3	B	65.09	1.30	0.05	186%			
Aroclor-1016 Peak # 4	B	3.057	0.06	2.96	192%			
Aroclor-1016 Peak # 5	B	0.5868	0.01	3.54	199%			
Aroclor-1221	B		ND			1.0		u
Aroclor-1232	B		ND			1.0		u
Aroclor-1242	B		ND			1.0		u
Aroclor-1248	B		ND			1.0		u
Aroclor-1254	B		ND			1.0		u
Aroclor-1260	B	6.516	ND	0.43	107%	1.0		u
Aroclor-1260 Peak # 1	B	0.3127	0.01	0.48	195%			
Aroclor-1260 Peak # 2	B	6.526	0.13	0.00	191%			
Aroclor-1260 Peak # 3	B	7.887	0.16	0.02	156%			
Aroclor-1260 Peak # 4	B	8.029	0.16	0.20	21%			
Aroclor-1260 Peak # 5	B	9.827	0.20	1.47	153%			
Aroclor-1262	B		ND			1.0		u
Aroclor-1268	B		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	39.59	1.000	0.7918	79	52-186	u
Decachlorobiphenyl (PCB)	B	32.24	1.000	0.6448	64	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_083022002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5237900	5329585	1.75
1-bromo-2-nitrobenzene (PCB)	A	1298245	1185942	-8.65

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

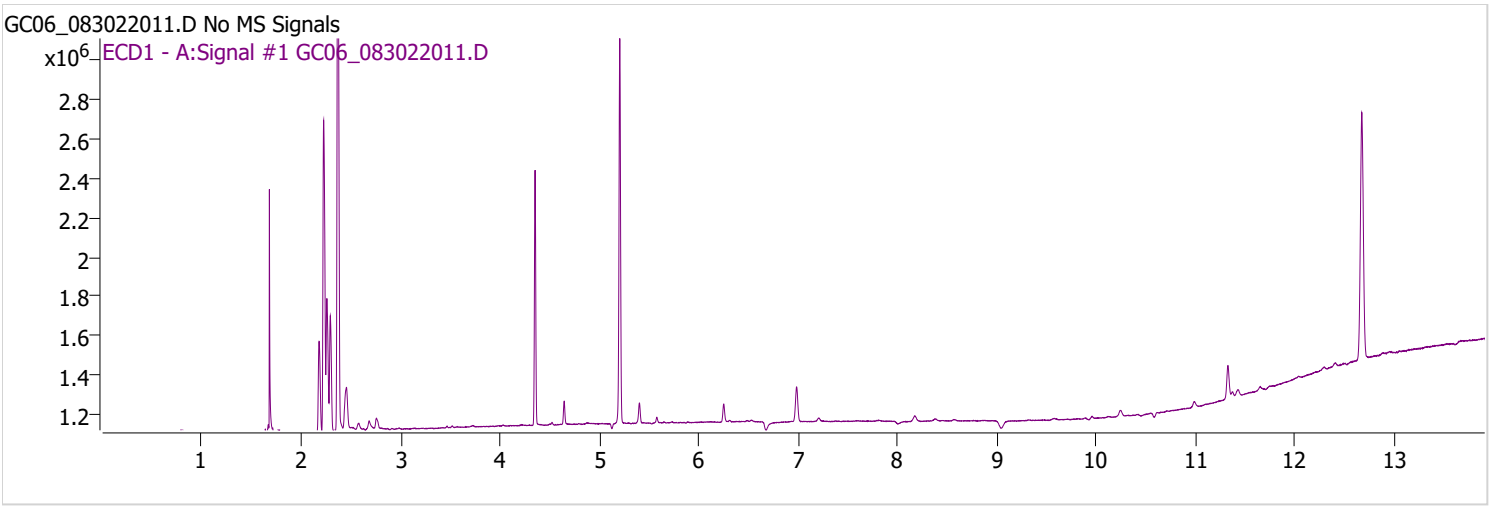
ISTD (CCV gc06_083022002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.12	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

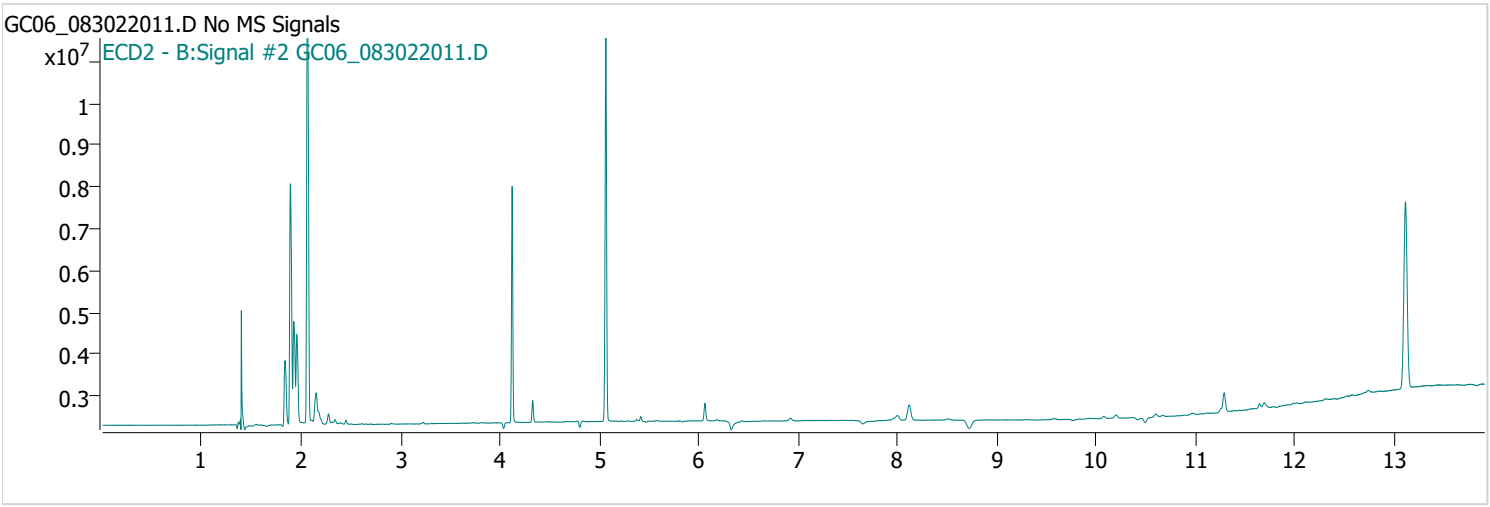
Analyst: TRN 08/30/22

Reviewer: LW 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_083022011.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/30/2022 4:57:17 PM
Sample Name	467769-001, 295971, 1	Instrument	SVOA-GC06
Vial	4	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	083022PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



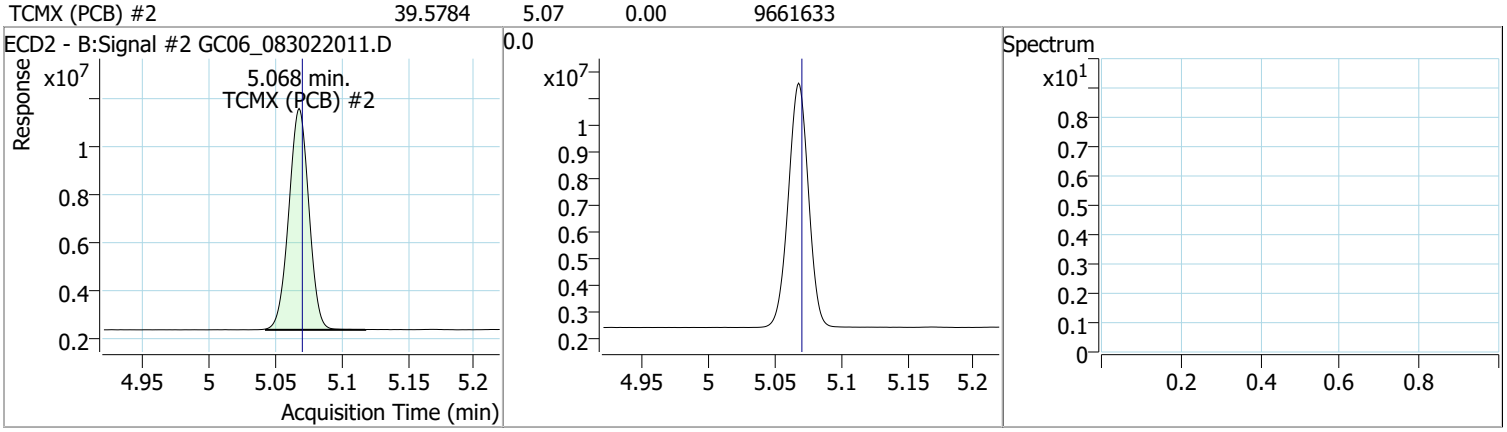


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.124	0.0	5329585.246	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB)	4.355	0.0	1185942.103	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB) #2	5.068	0.0	9661632.985	39.5784	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.89%		*	
S TCMX (PCB)	5.208	0.0	2187034.284	38.3393	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 191.70%		*	
S Decachlorobiphenyl (PCB)	12.678	0.0	2581228.004	28.6255	ng/ml		-0.028
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 143.13%			
S Decachlorobiphenyl (PCB) #2	13.118	0.0	10365642.515	32.2316	ng/ml		-0.012
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 161.16%		*	
Target Compounds							QValue

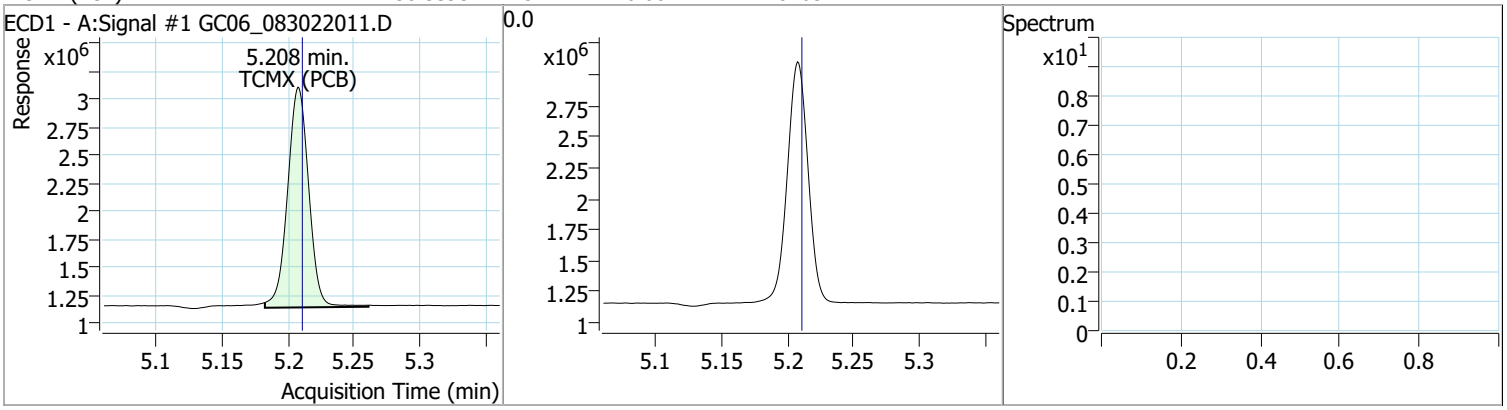
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.577	0.0	154307.790	30.9172	ng/ml	100
T AR1016 1	5.582	0.0	43805.782	37.7617	ng/ml	100
T AR1016 2 #2	5.928	0.0	85409.093	8.2461	ng/ml	100
T AR1016 2	5.917	0.0	1891.542	0.7489	ng/ml	100
T AR1016 3 #2	6.438	0.0	888870.756	65.0732	ng/ml	100
T AR1016 3	6.316	0.0	6925.783	2.3298	ng/ml	100
T AR1016 4	6.536	0.0	329375.740	148.0609	ng/ml	100
T AR1016 4 #2	6.551	0.0	28319.677	3.0559	ng/ml	100
T AR1016 5	6.988	0.0	304538.216	176.9722	ng/ml	100
T AR1016 5 #2	7.199	0.0	4250.505	0.5867	ng/ml	100
T AR1260 1	9.163	0.0	88697.855	23.7656	ng/ml	100
T AR1260 1 #2	9.537	0.0	5043.612	0.3127	ng/ml	100
T AR1260 2	9.606	0.0	830.938	0.1445	ng/ml	100
T AR1260 2 #2	9.933	0.0	121596.150	6.5240	ng/ml	100
T AR1260 3	10.069	0.0	5755.240	0.9631	ng/ml	100
T AR1260 3 #2	10.465	0.0	199659.788	7.8848	ng/ml	100
T AR1260 4	10.622	0.0	29428.560	9.9019	ng/ml	100
T AR1260 4 #2	10.979	0.0	109991.178	8.0272	ng/ml	100
T AR1260 5	11.331	0.0	288456.591	73.3324	ng/ml	100
T AR1260 5 #2	11.650	0.0	198472.034	9.8245	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

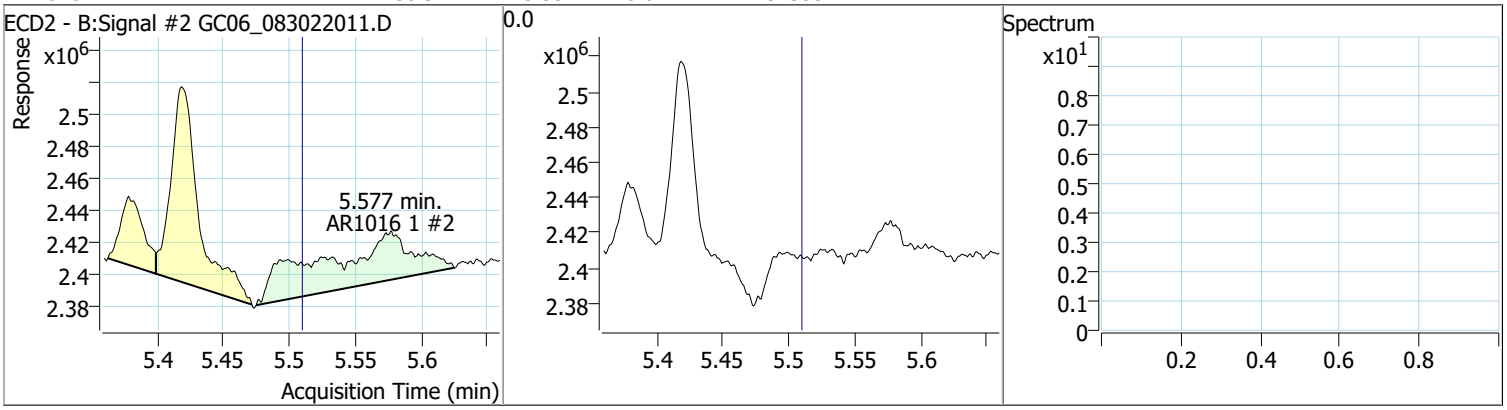
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.5784	5.07	0.00	9661633				



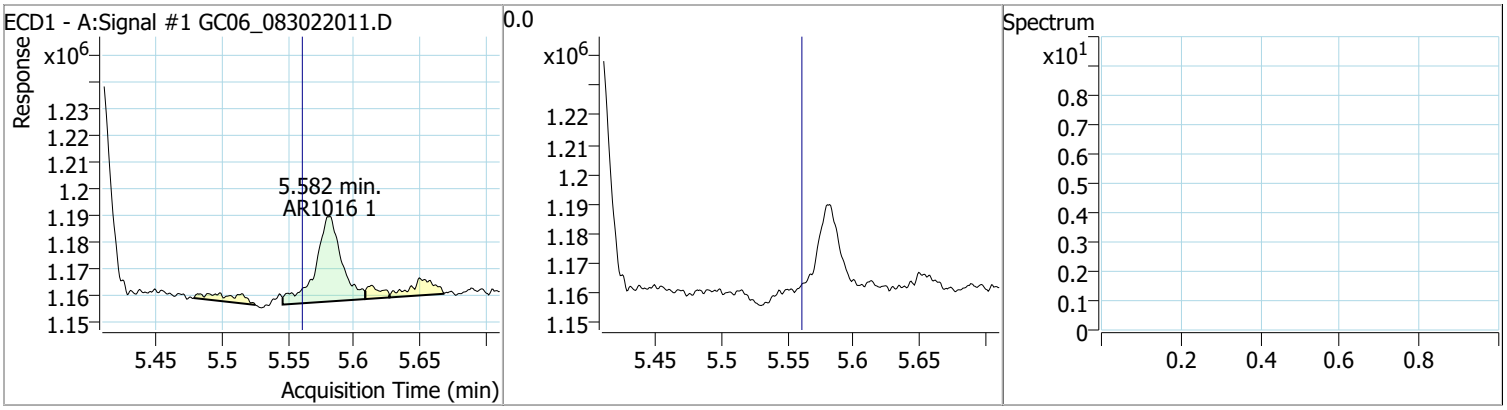
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	38.3393	5.21	0.00	2187034				



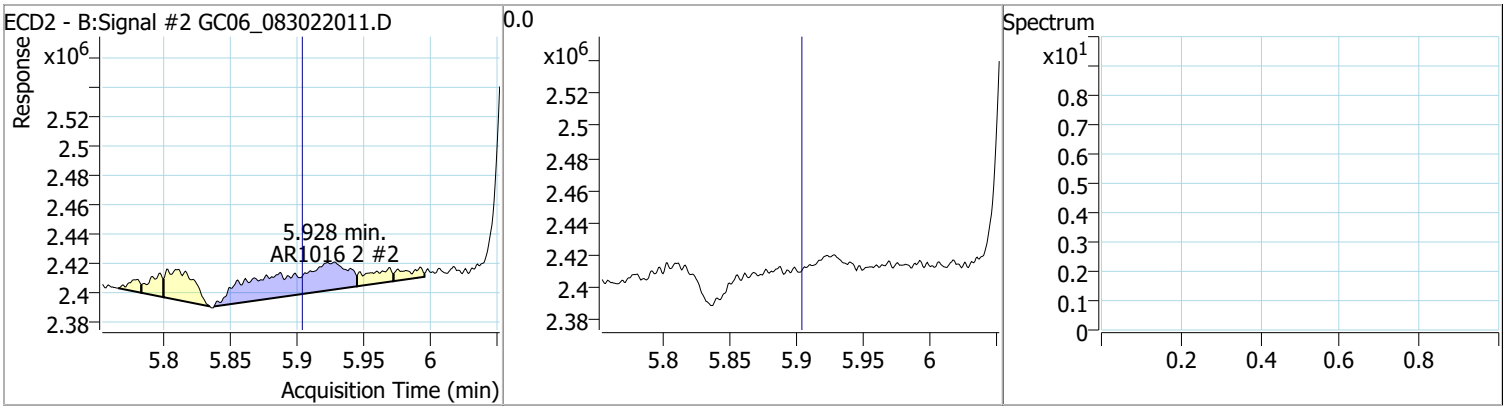
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	30.9172	5.58	0.07	154308				



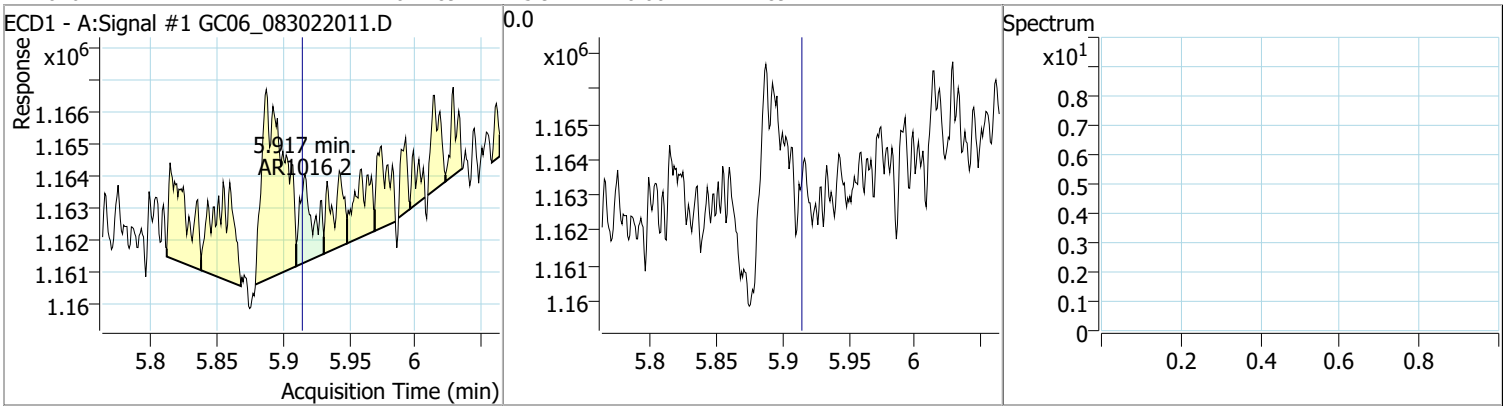
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	37.7617	5.58	0.02	43806				



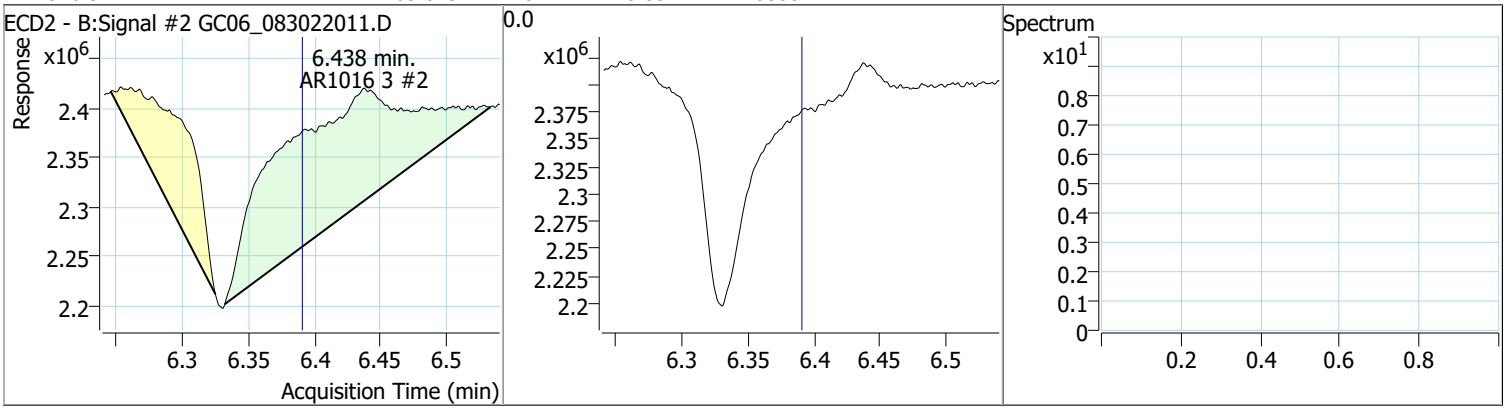
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	8.2461	5.93	0.02	85409				



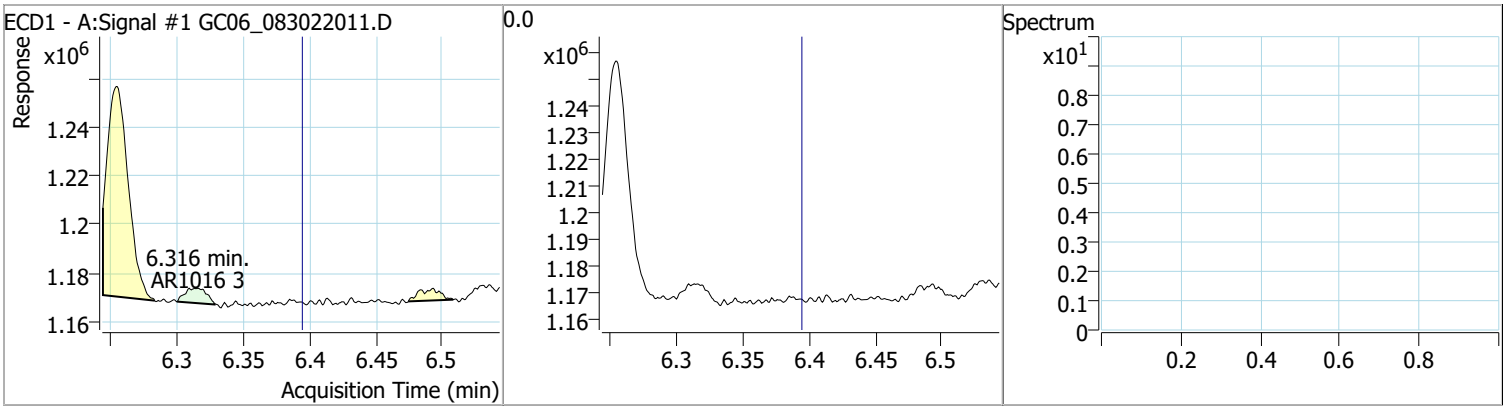
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.7489	5.92	0.00	1892				



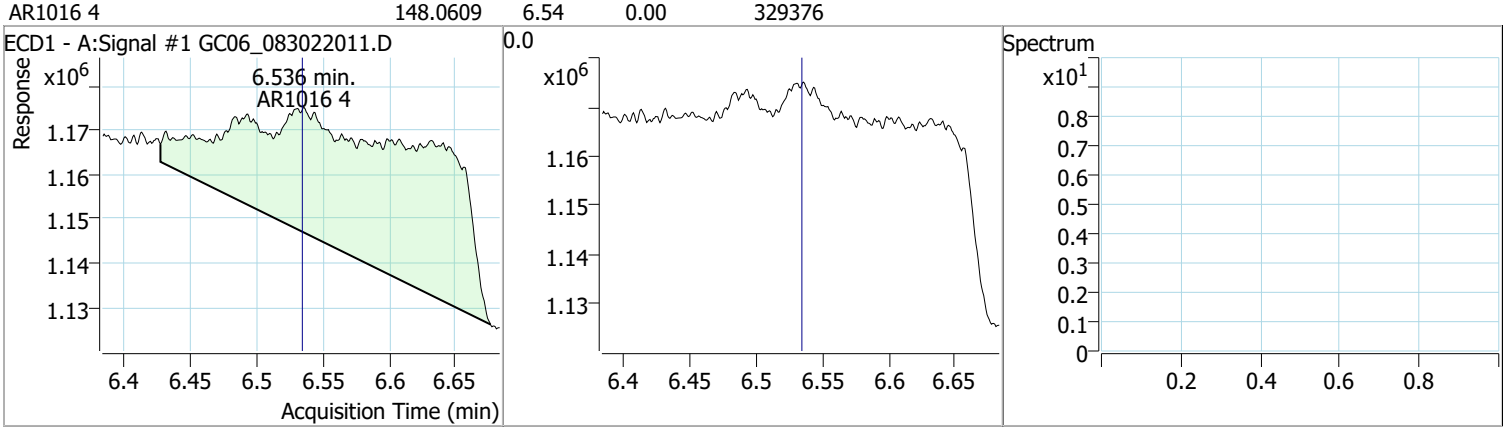
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	65.0732	6.44	0.05	888871				



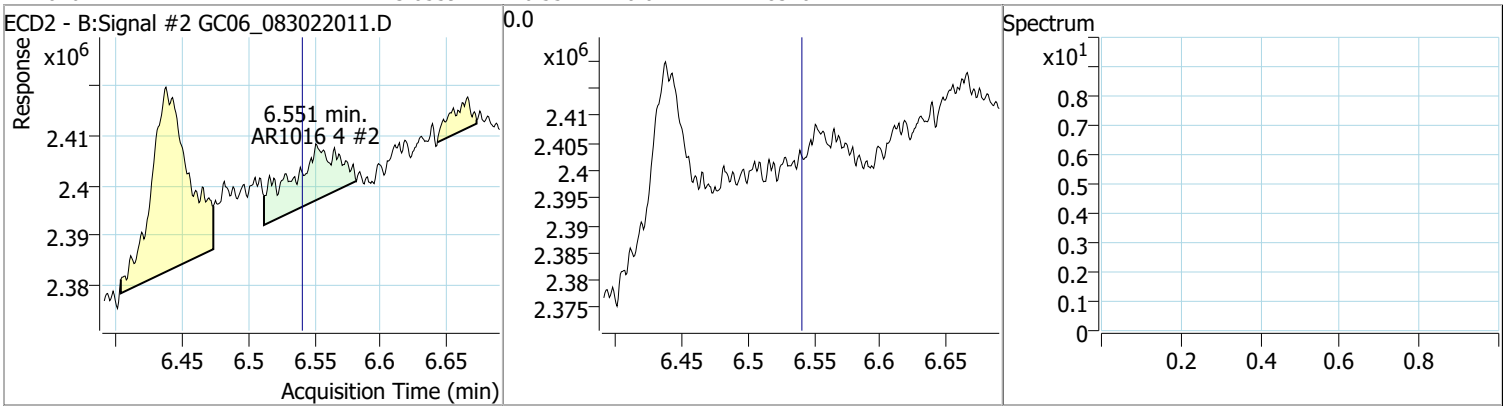
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	2.3298	6.32	-0.08	6926				



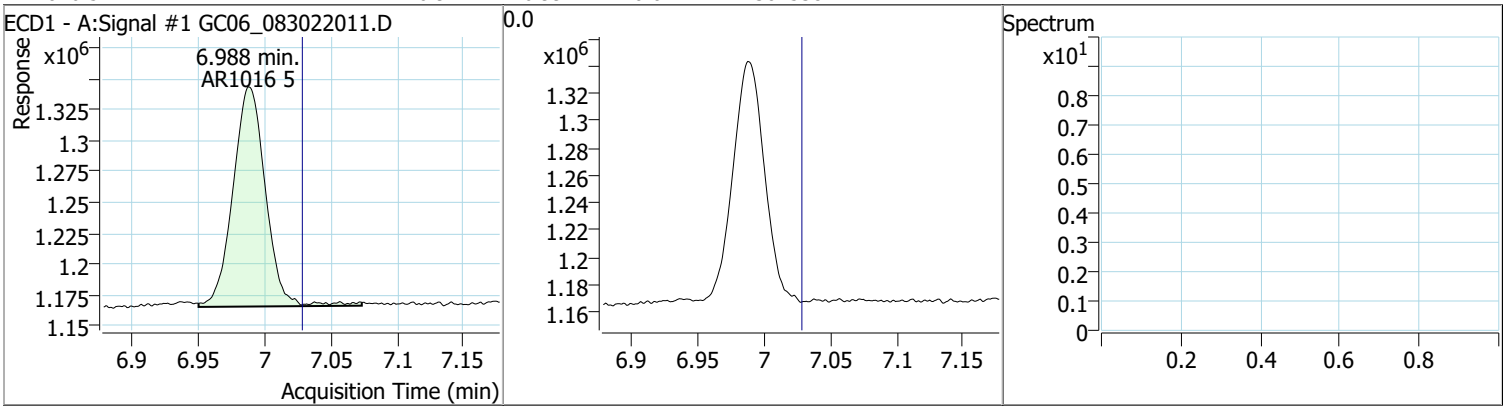
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	148.0609	6.54	0.00	329376				



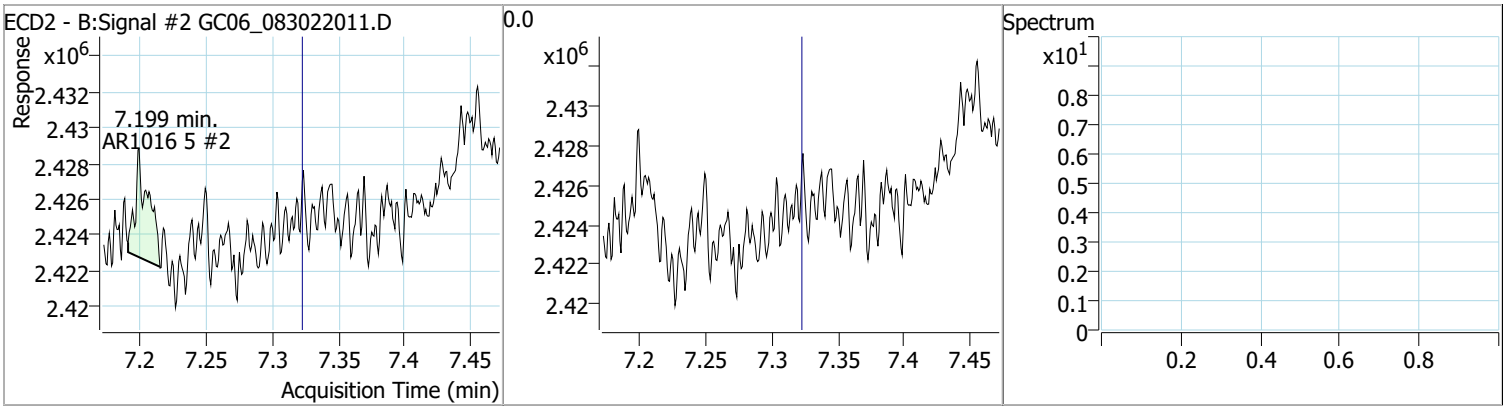
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	3.0559	6.55	0.01	28320				



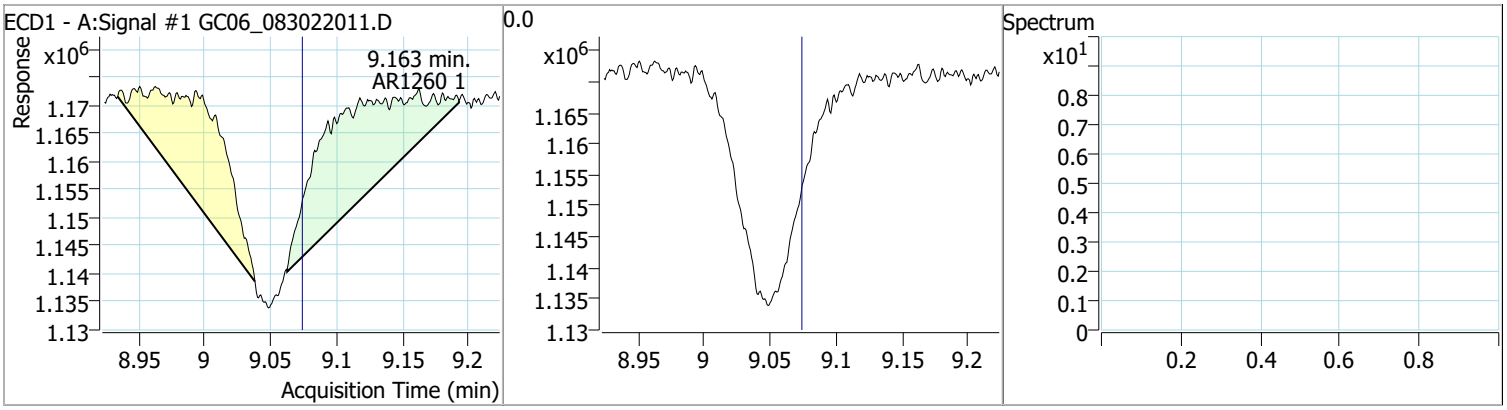
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	176.9722	6.99	-0.04	304538				



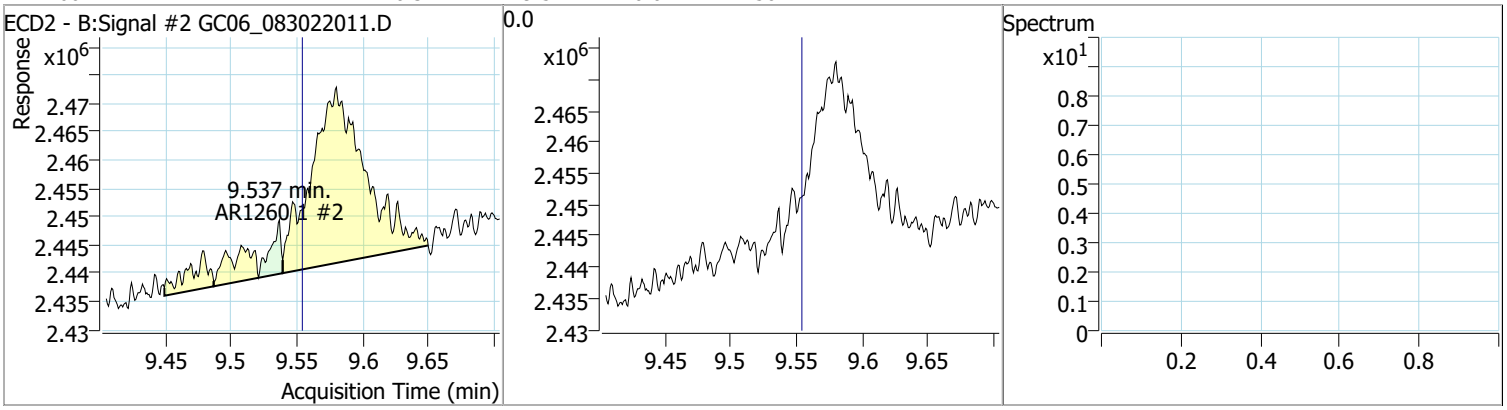
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.5867	7.20	-0.12	4251				



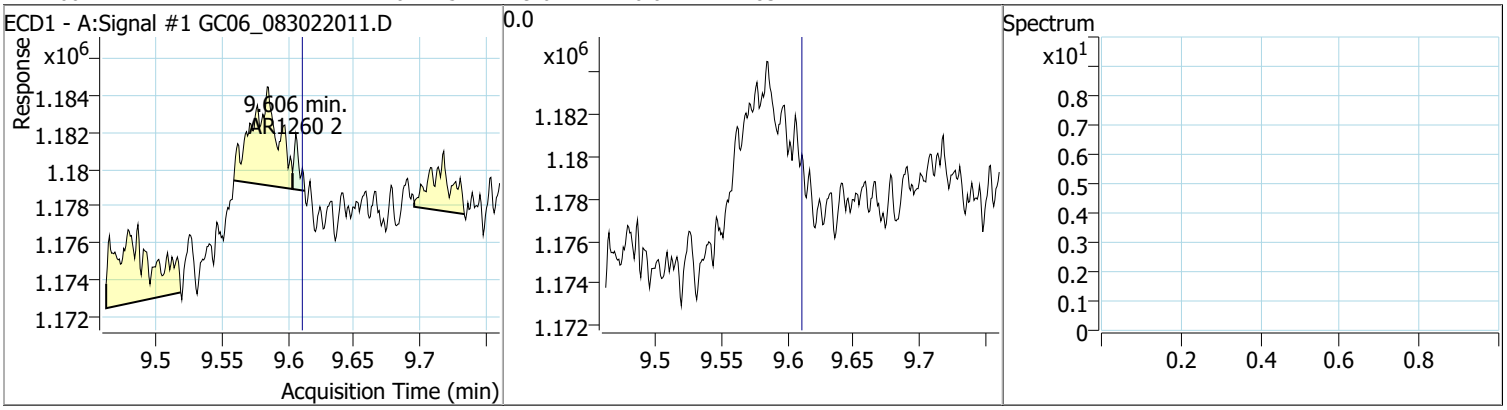
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	23.7656	9.16	0.09	88698				



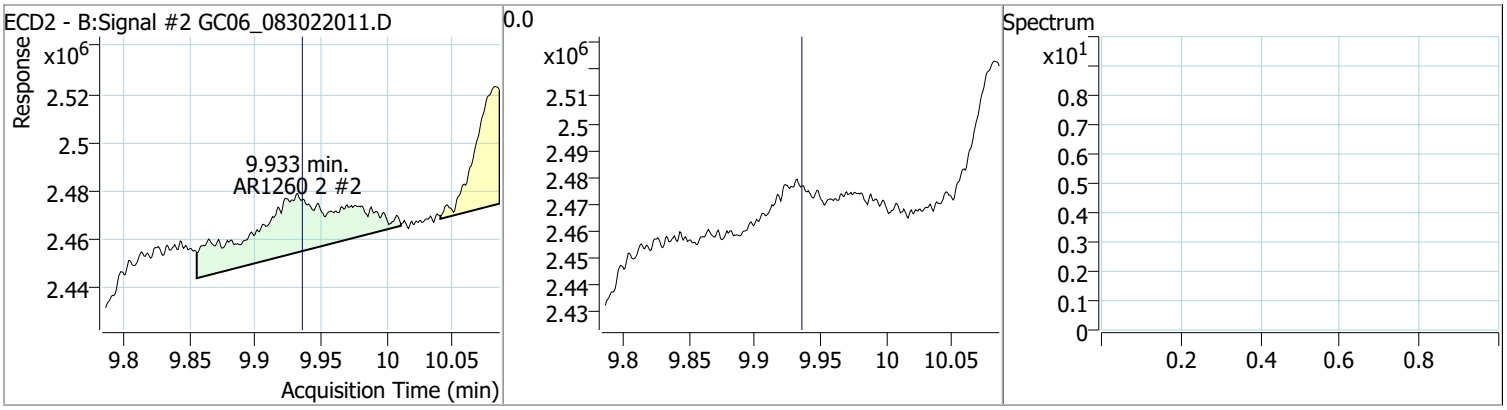
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.3127	9.54	-0.02	5044				



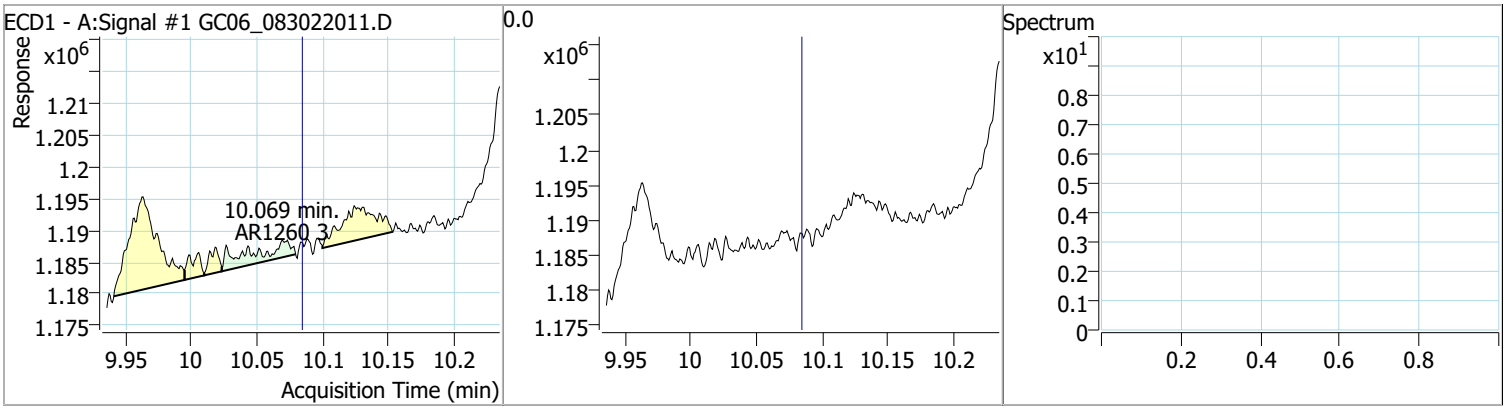
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.1445	9.61	-0.01	831				



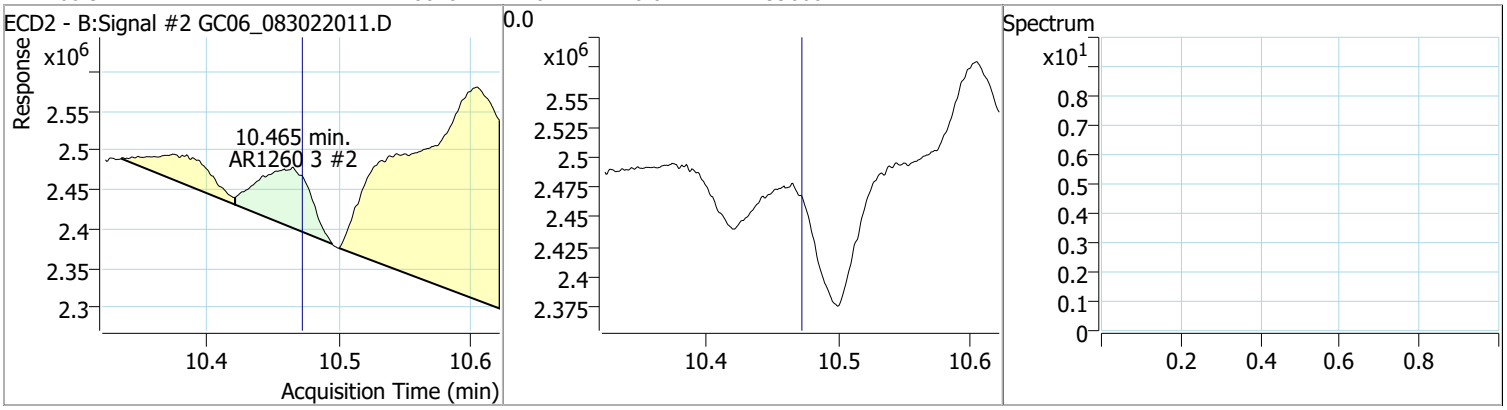
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	6.5240	9.93	0.00	121596				



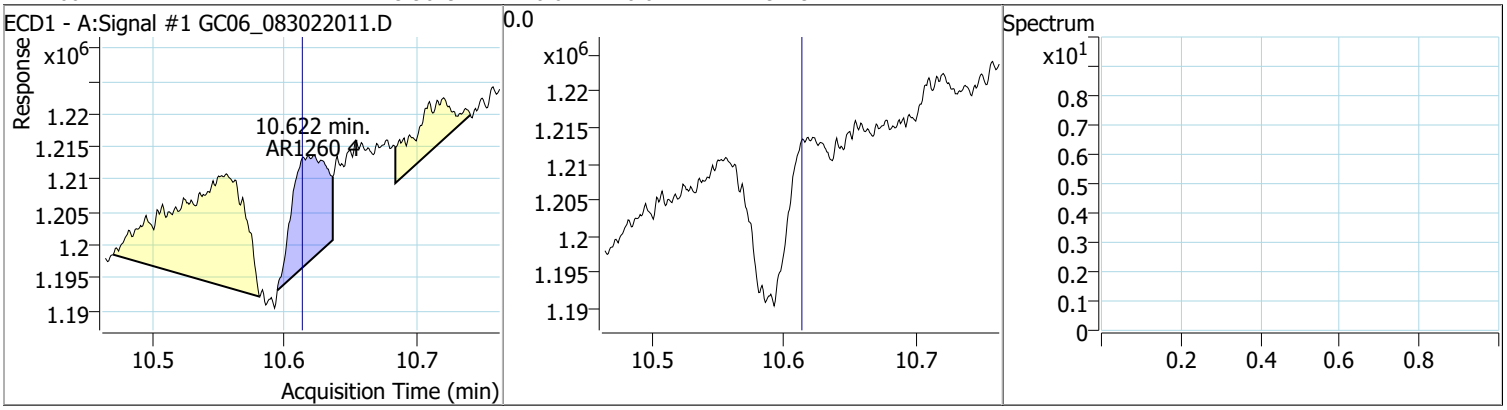
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.9631	10.07	-0.02	5755				



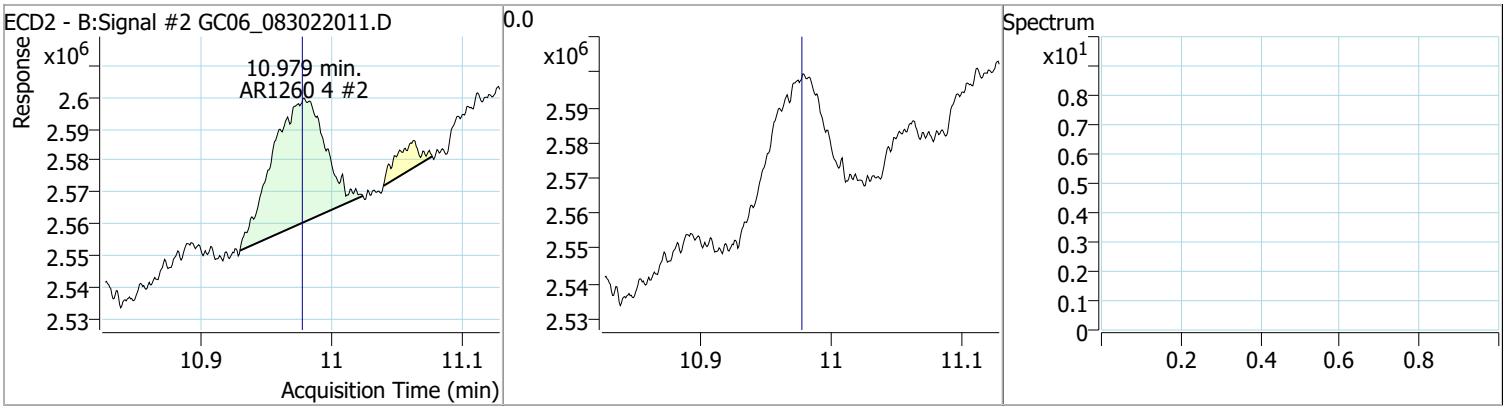
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.8848	10.47	-0.01	199660				



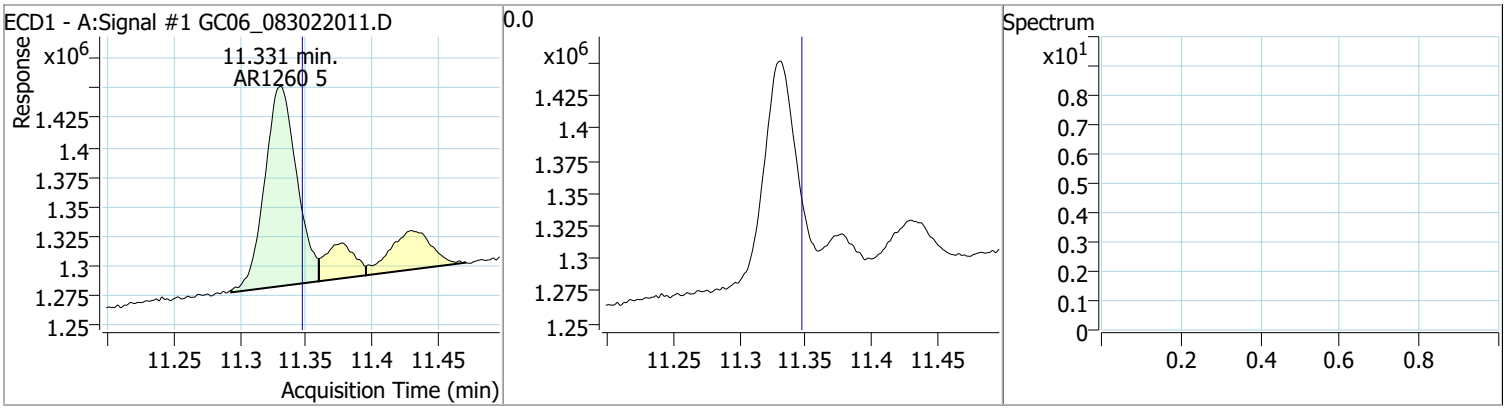
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	9.9019	10.62	0.01	29429				



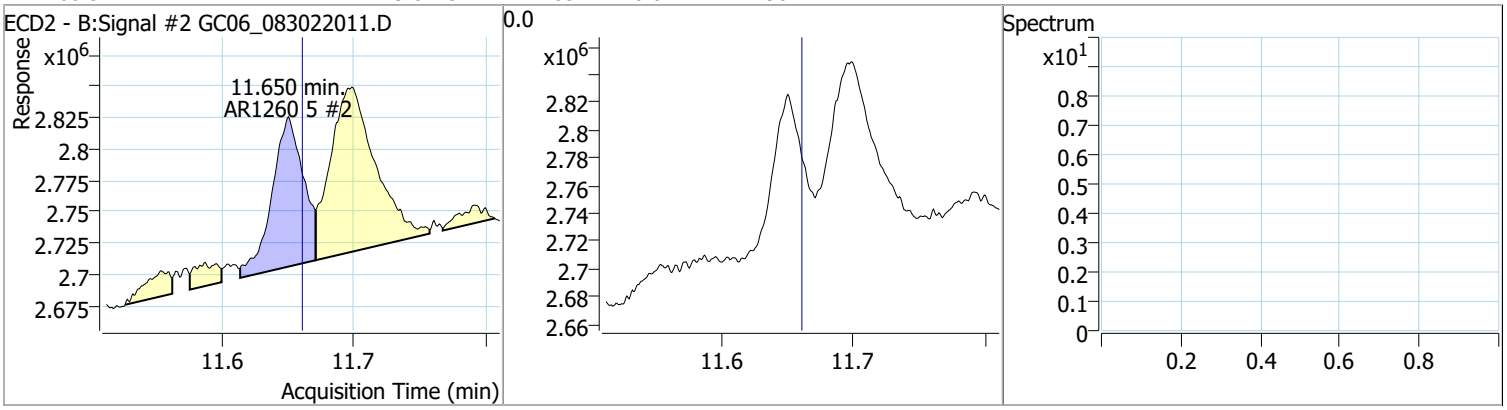
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	8.0272	10.98	0.00	109991				



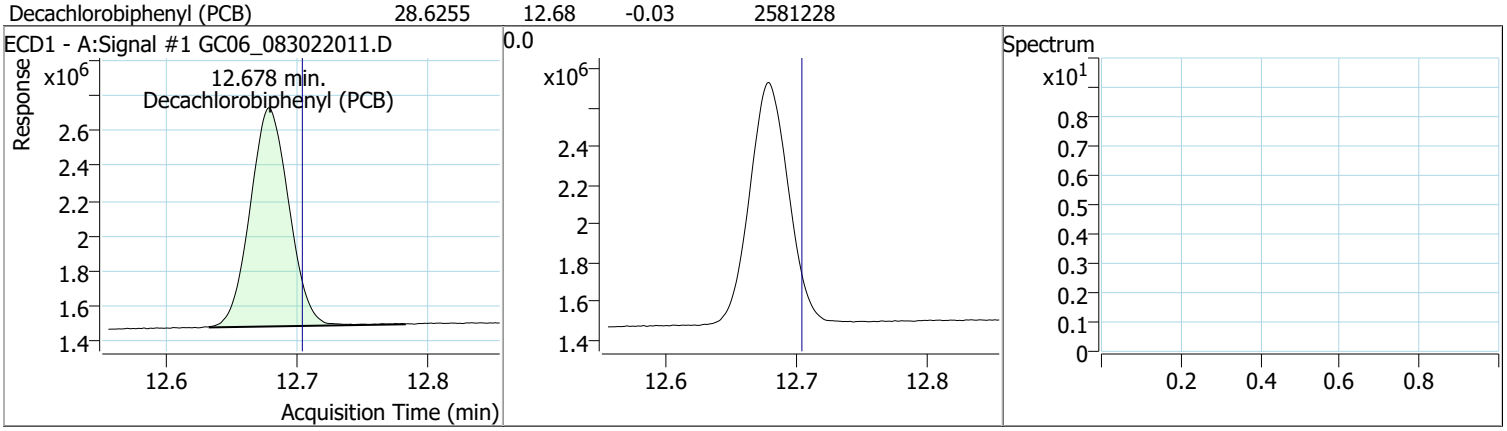
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	73.3324	11.33	-0.02	288457				



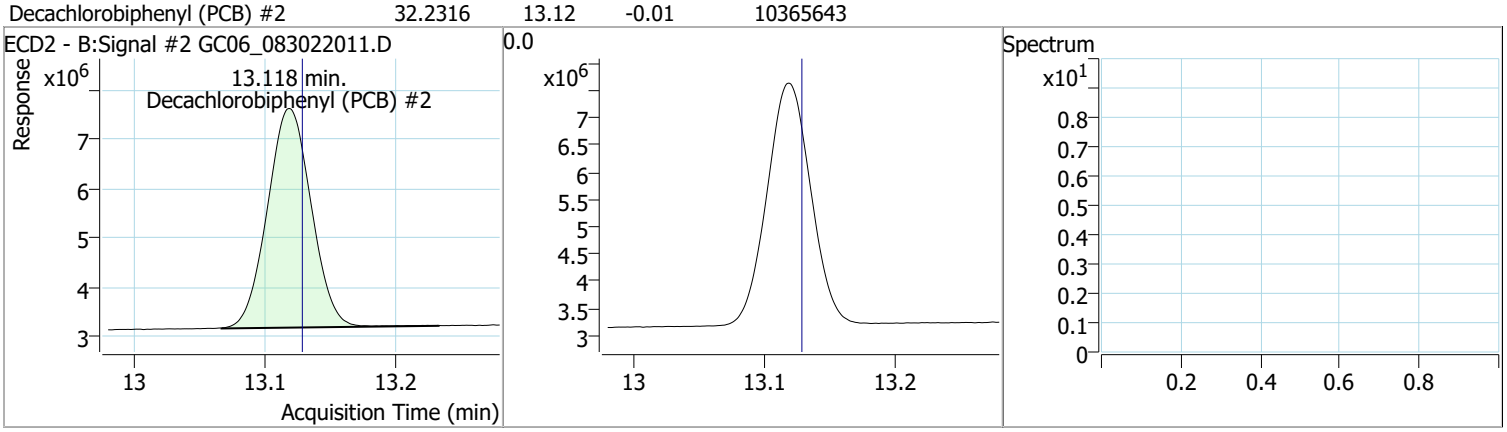
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	9.8245	11.65	-0.01	198472				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	28.6255	12.68	-0.03	2581228				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	32.2316	13.12	-0.01	10365643				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467769-004	Client ID:	DOOR-N-0.1GE-EXT-5 TO 6-220822-P-CB
Seqnum:	452343556017	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622017	Batch:	295632	Time:	26-AUG-2022 18:27
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	71.28	~~1.4~~ ~~FP~~	0.33	125%	1.0		x u
Aroclor-1016 Peak # 1	A	48.70	0.97	0.16	144%			
Aroclor-1016 Peak # 2	A	3.597	0.07	0.17	80%			
Aroclor-1016 Peak # 3	A	3.256	0.07	1.22	180%			
Aroclor-1016 Peak # 4	A	175.2	3.50	0.10	189%			
Aroclor-1016 Peak # 5	A	125.6	2.51	0.00	199%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	27.26	ND	0.19	95%	1.0		u
Aroclor-1260 Peak # 1	A	26.89	0.54	0.11	130%			
Aroclor-1260 Peak # 2	A	2.288	0.05	0.44	163%			
Aroclor-1260 Peak # 3	A	3.473	0.07	0.18	87%			
Aroclor-1260 Peak # 4	A	45.39	0.91	0.09	164%			
Aroclor-1260 Peak # 5	A	58.24	1.16	0.14	156%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	45.33	1.000	0.9067	91	52-186	c+ u
Decachlorobiphenyl (PCB)	A	39.37	1.000	0.7874	79	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	7173330	-12.72
1-bromo-2-nitrobenzene (PCB)	A	1919479	1417500	-26.15

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

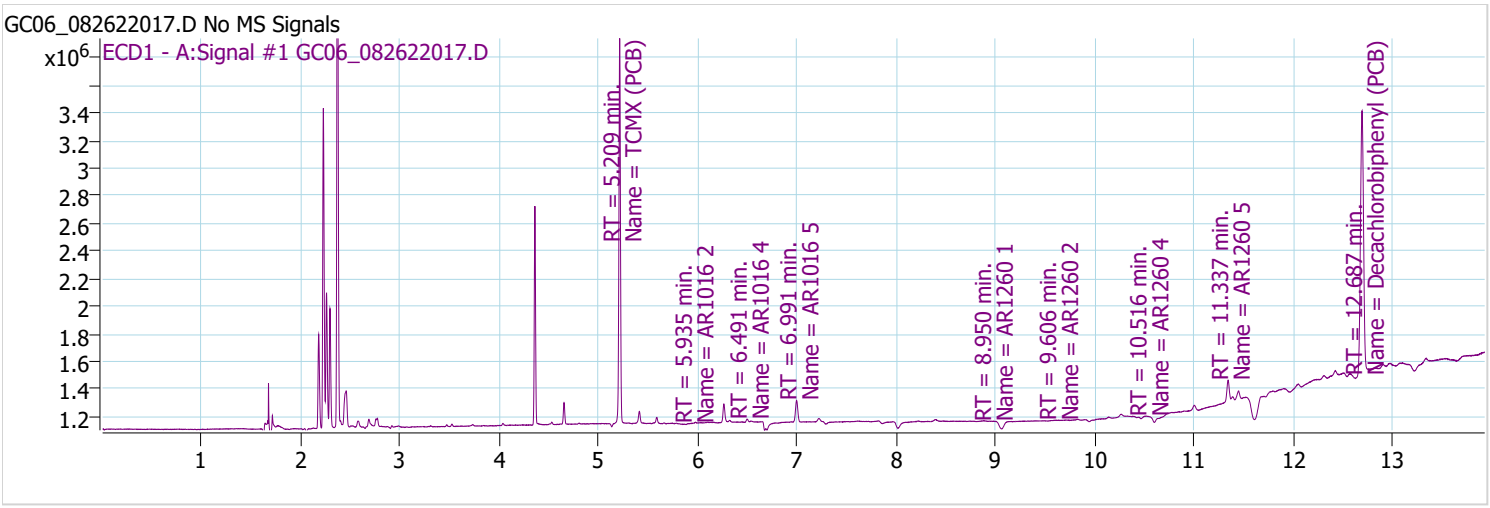
ISTD (CCV gc06_082622002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.12	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

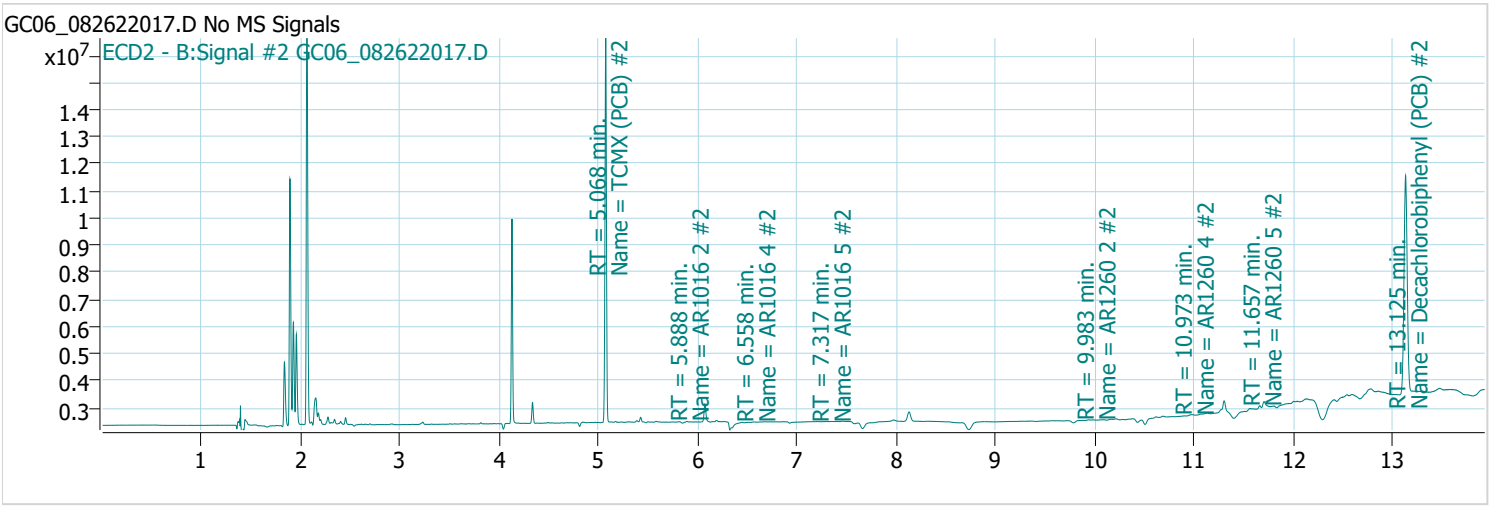
Analyst: TRN 08/29/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622017.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 6:27:27 PM
Sample Name	467769-004, 295632, 1	Instrument	SVOA-GC06
Vial	7	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



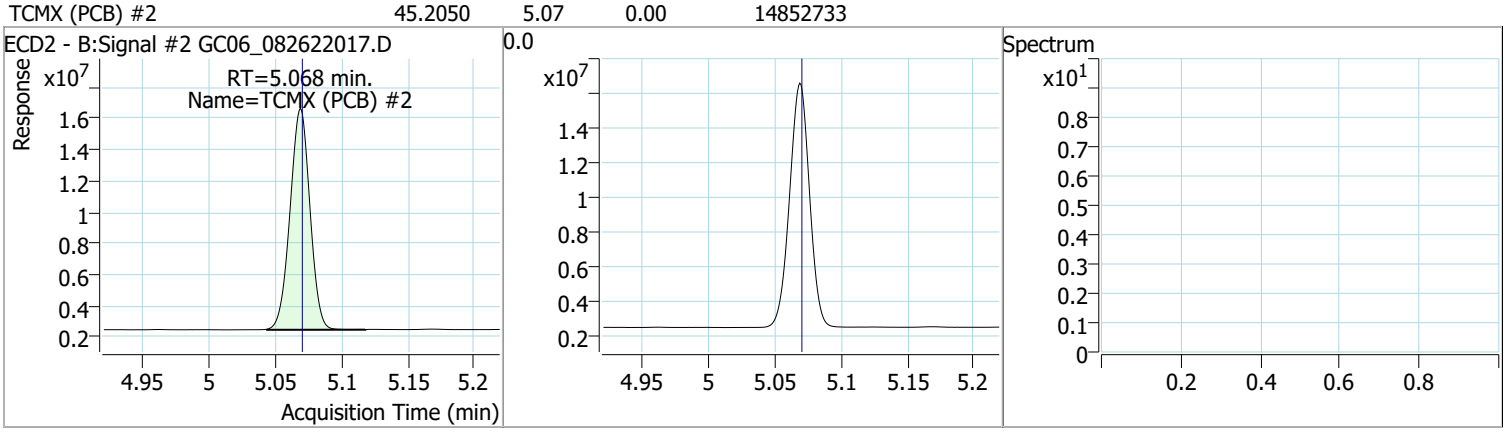


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.124	0.0	7173329.799	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB)	4.355	0.0	1417500.389	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB) #2	5.068	0.0	14852732.761	45.2050	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 226.03%		*	
S TCMX (PCB)	5.209	0.0	3090174.806	45.3223	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 226.61%		*	
S Decachlorobiphenyl (PCB)	12.687	0.0	4242195.260	39.3603	ng/ml		-0.019
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 196.80%		*	
S Decachlorobiphenyl (PCB) #2	13.125	0.0	18400064.996	42.5087	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 212.54%		*	
Target Compounds							QValue

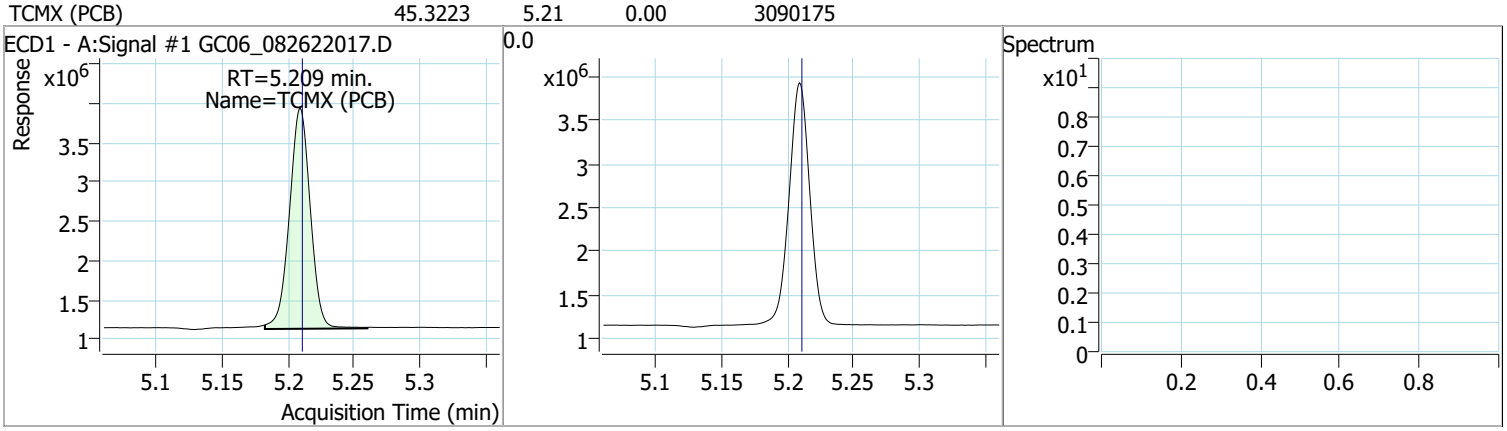
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.493	0.0	53721.184	7.9971	ng/ml	100
T AR1016 1	5.584	0.0	67508.009	48.6872	ng/ml	100
T AR1016 2 #2	5.888	0.0	117555.859	8.4326	ng/ml	100
T AR1016 2	5.935	0.0	10856.931	3.5961	ng/ml	100
T AR1016 3 #2	6.441	0.0	1123583.368	61.1141	ng/ml	100
T AR1016 3	6.318	0.0	11565.774	3.2551	ng/ml	100
T AR1016 4	6.491	0.0	465771.888	175.1711	ng/ml	100
T AR1016 4 #2	6.558	0.0	62007.583	4.9713	ng/ml	100
T AR1016 5	6.991	0.0	258315.923	125.5899	ng/ml	100
T AR1016 5 #2	7.317	0.0	1782.705	0.1828	ng/ml	100
T AR1260 1	8.950	0.0	119944.208	26.8877	ng/ml	100
T AR1260 1 #2	9.571	0.0	124499.774	5.7345	ng/ml	100
T AR1260 2	9.606	0.0	15714.033	2.2871	ng/ml	100
T AR1260 2 #2	9.983	0.0	558000.384	22.2434	ng/ml	100
T AR1260 3	10.130	0.0	24801.526	3.4723	ng/ml	100
T AR1260 3 #2	10.466	0.0	301287.731	8.8400	ng/ml	100
T AR1260 4	10.516	0.0	161216.364	45.3836	ng/ml	100
T AR1260 4 #2	10.973	0.0	82405.884	4.4682	ng/ml	100
T AR1260 5	11.337	0.0	273753.000	58.2257	ng/ml	100
T AR1260 5 #2	11.657	0.0	194891.712	7.1676	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

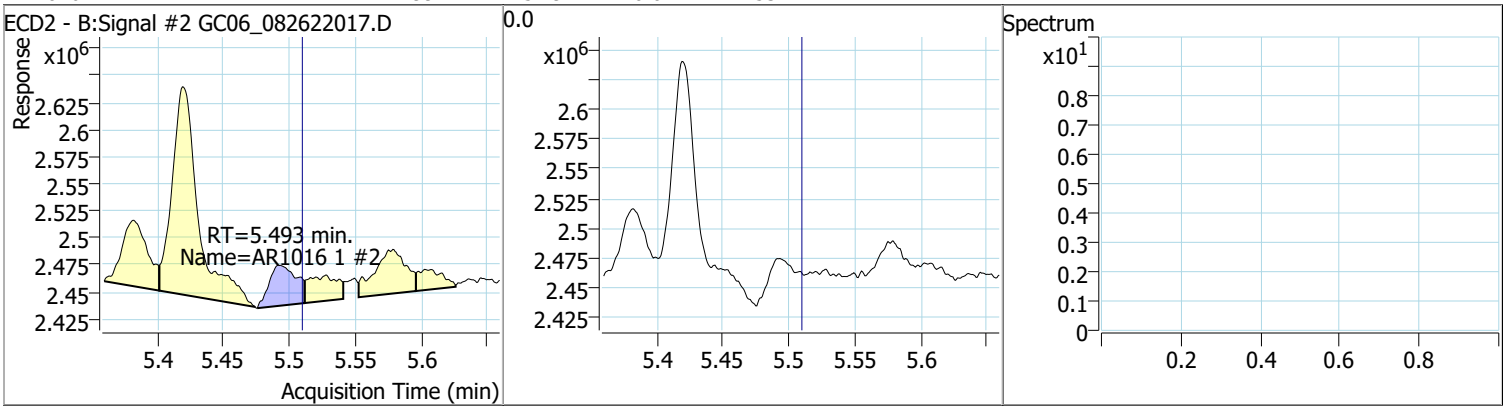
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	45.2050	5.07	0.00	14852733				



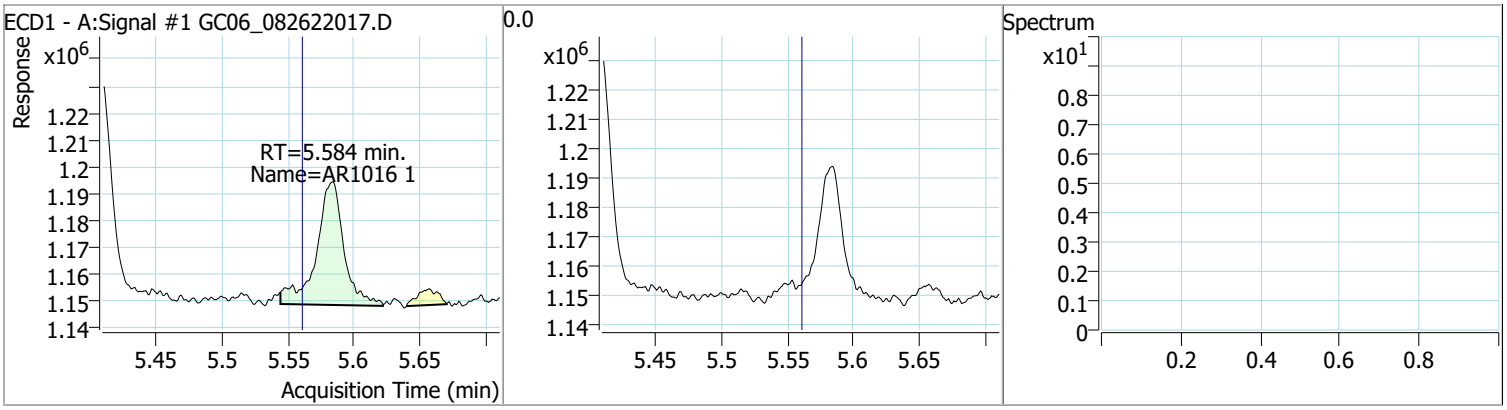
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	45.3223	5.21	0.00	3090175				



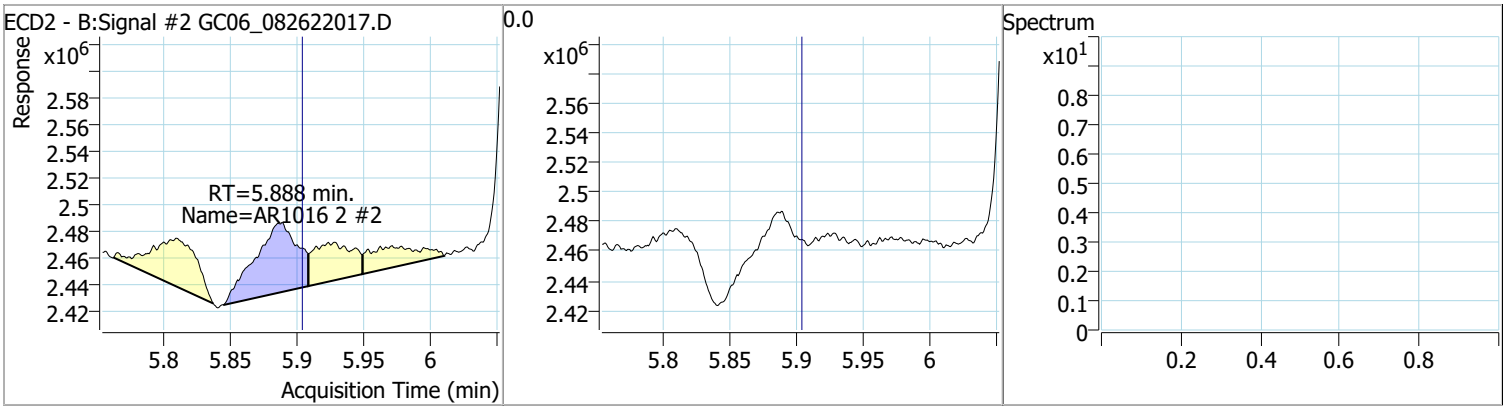
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	7.9971	5.49	-0.02	53721				



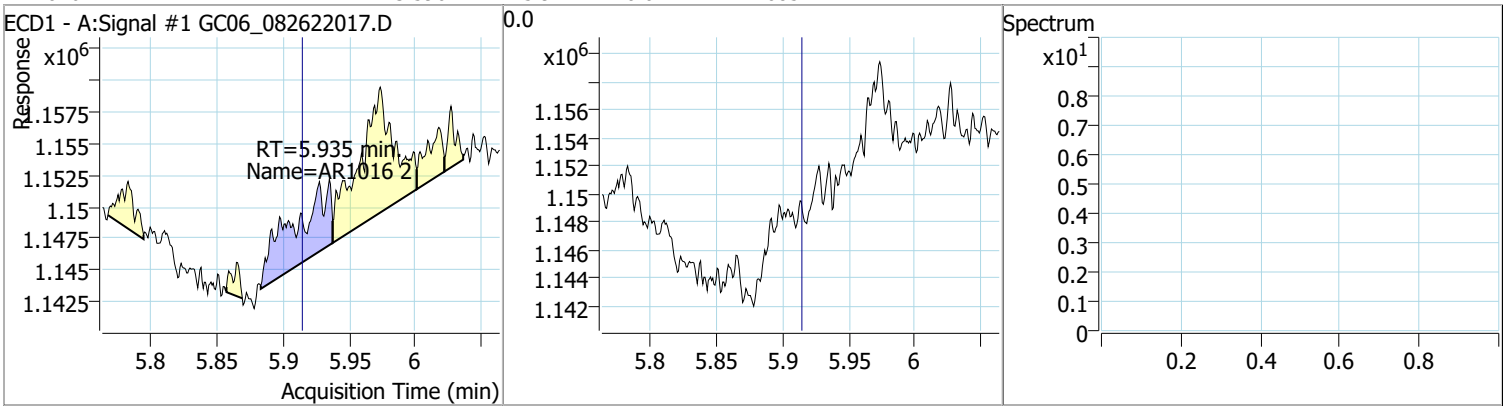
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	48.6872	5.58	0.02	67508				



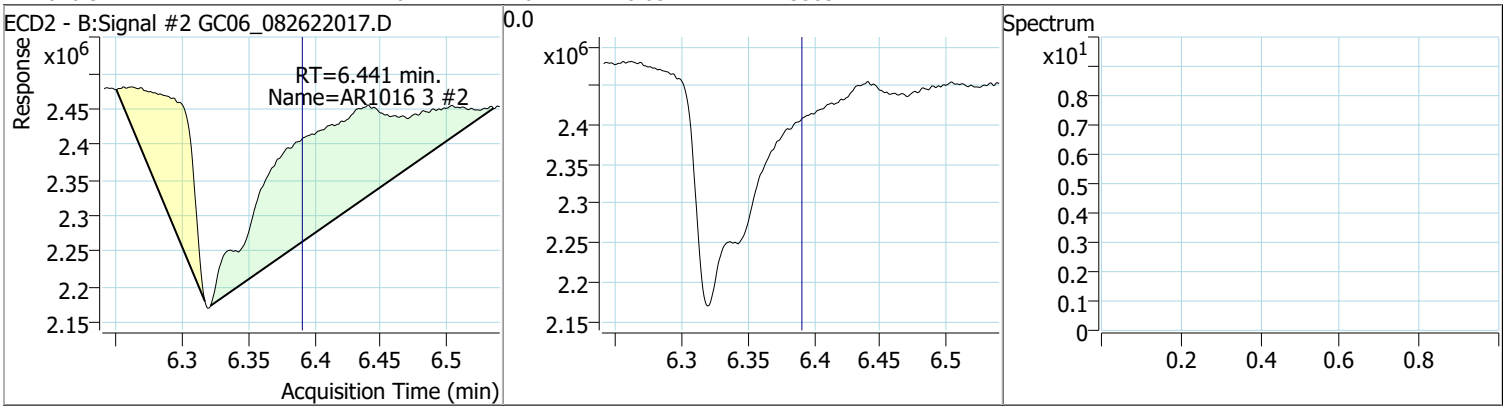
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	8.4326	5.89	-0.02	117556				



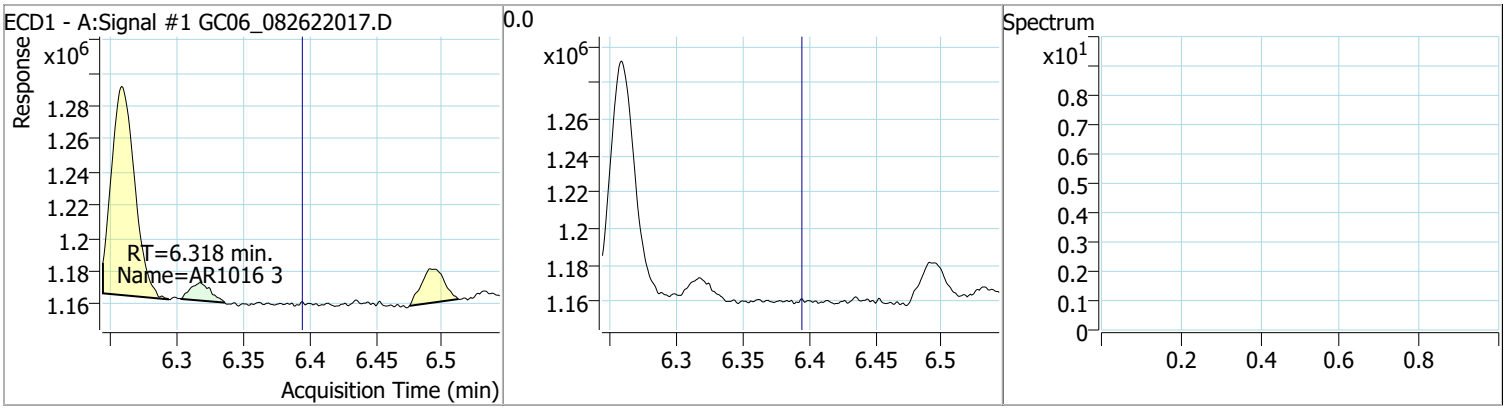
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	3.5961	5.94	0.02	10857				



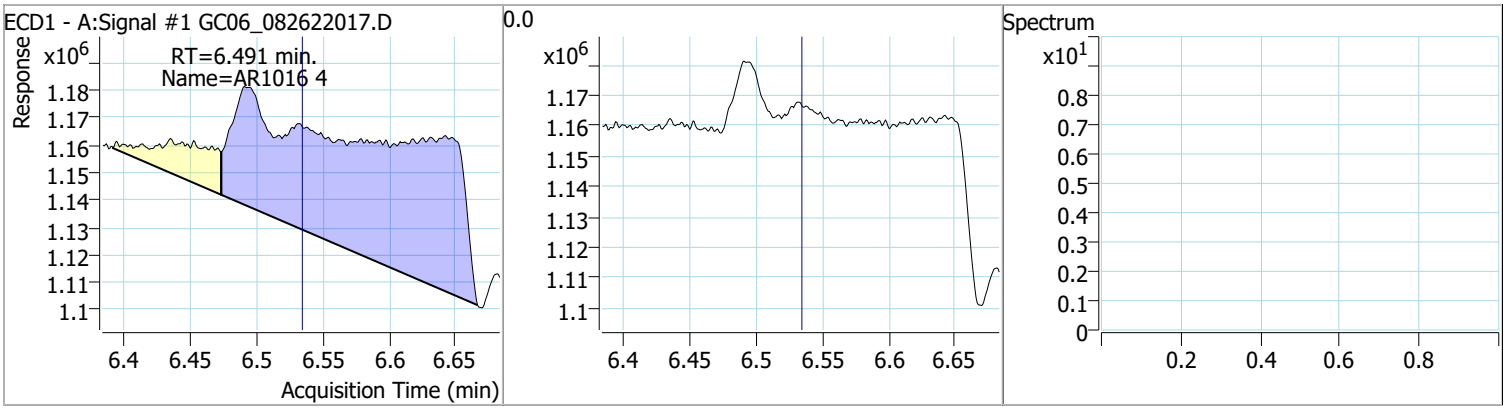
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	61.1141	6.44	0.05	1123583				



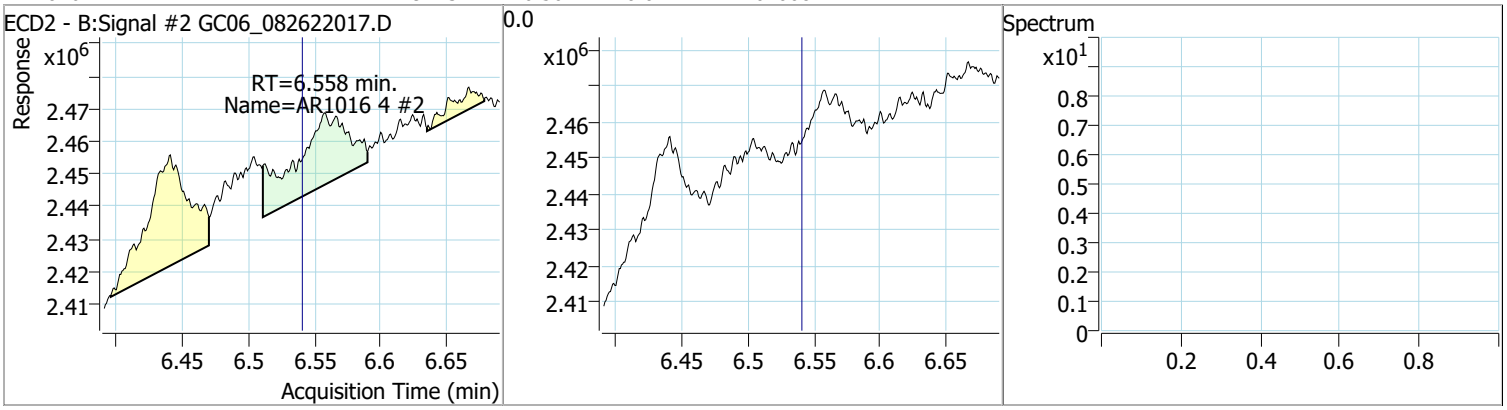
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	3.2551	6.32	-0.08	11566				



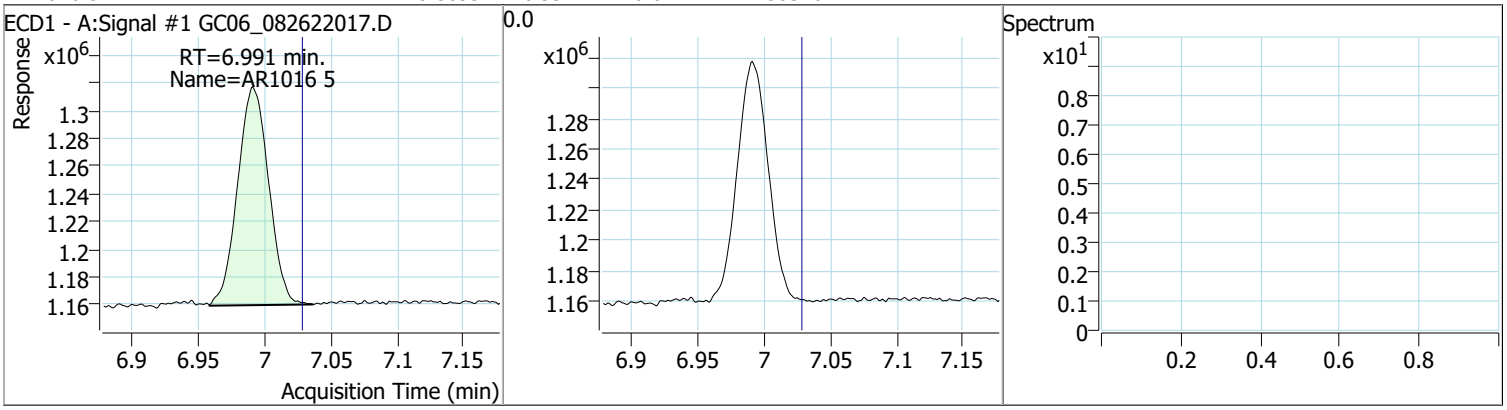
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	175.1711	6.49	-0.04	465772				



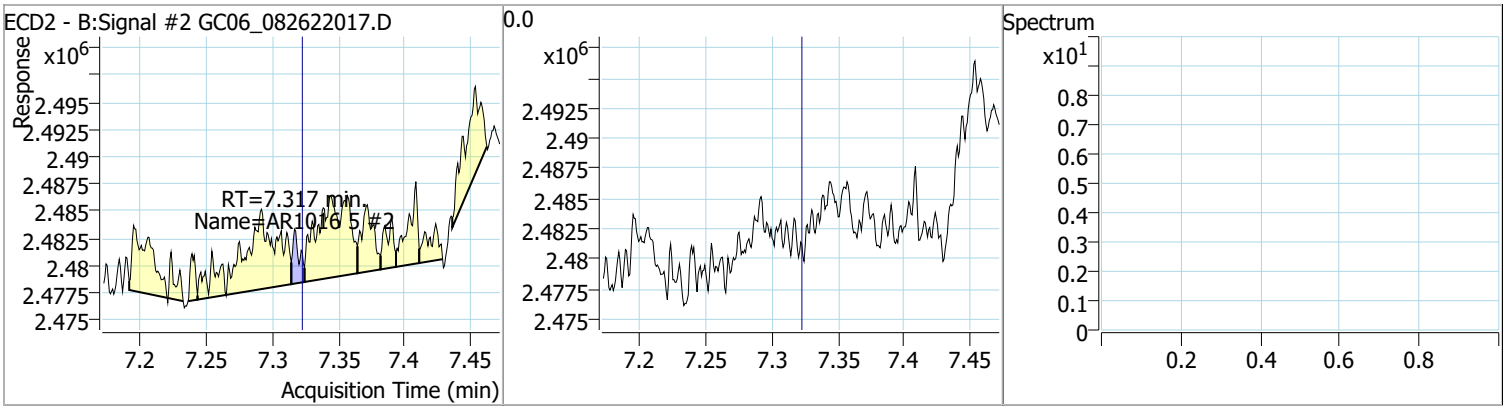
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	4.9713	6.56	0.02	62008				



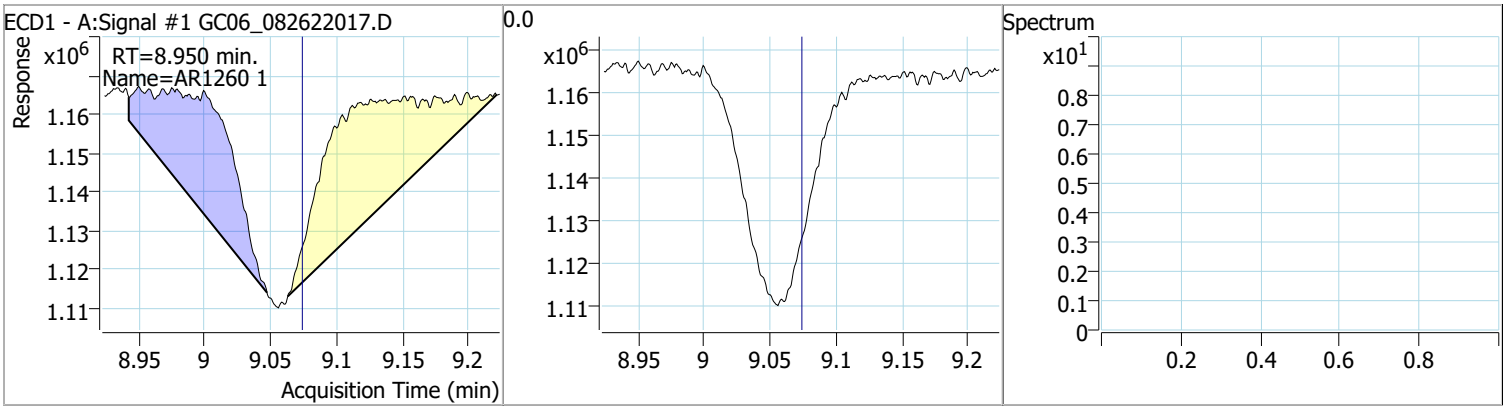
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	125.5899	6.99	-0.04	258316				



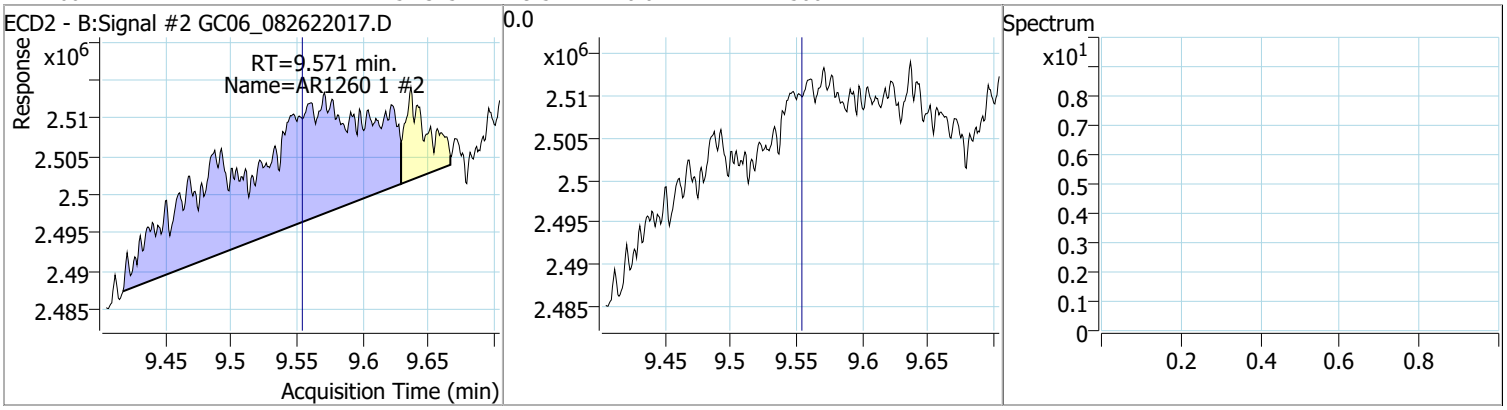
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.1828	7.32	-0.01	1783				



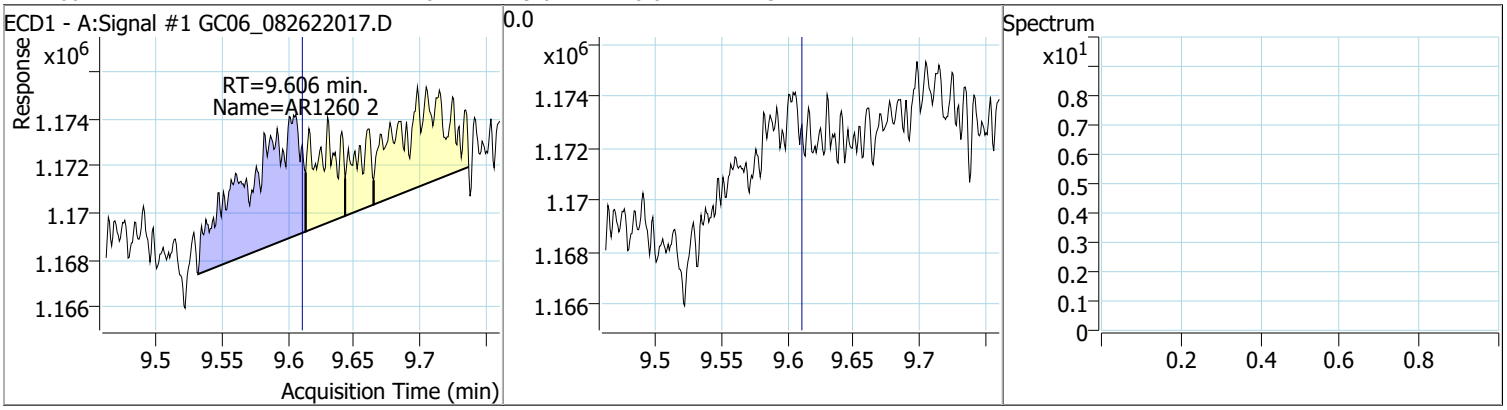
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	26.8877	8.95	-0.13	119944				



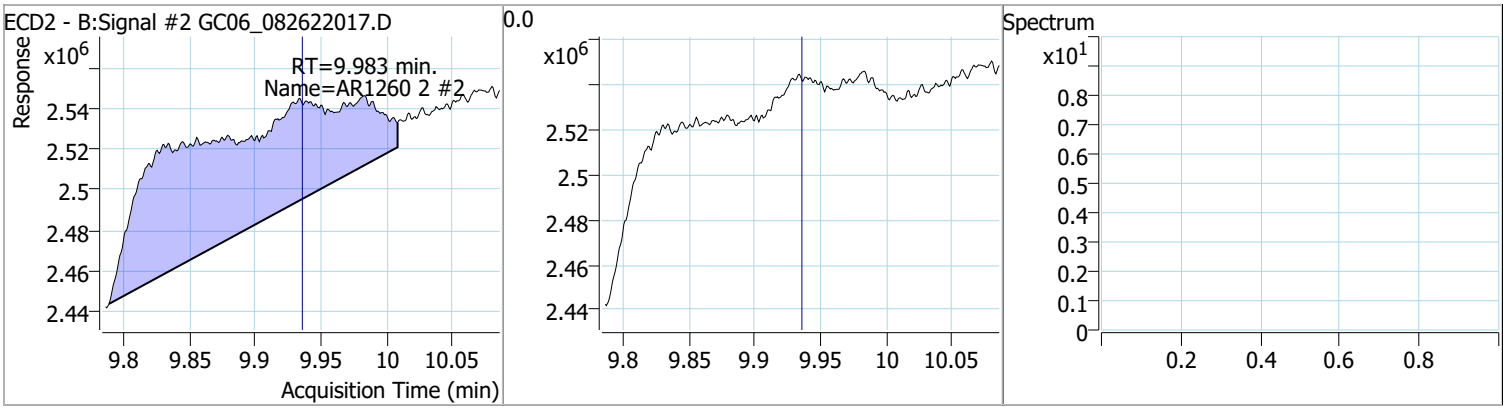
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	5.7345	9.57	0.02	124500				



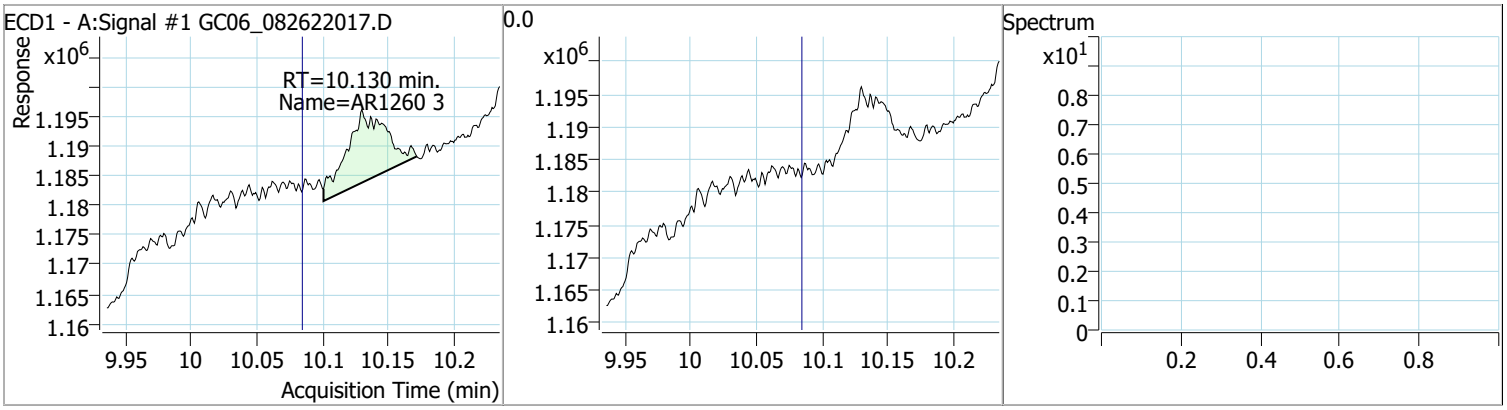
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.2871	9.61	-0.01	15714				



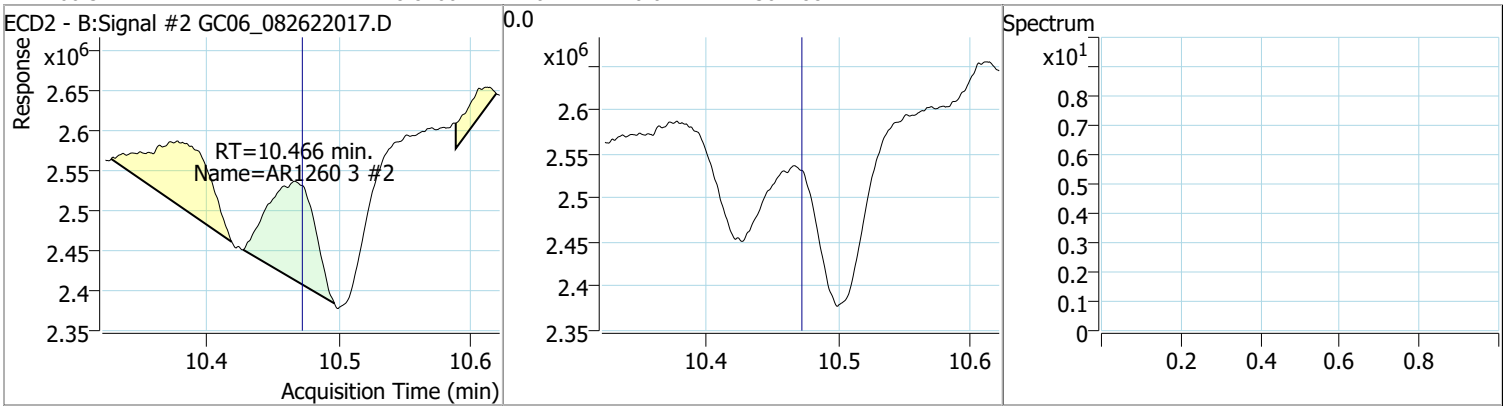
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	22.2434	9.98	0.05	558000				



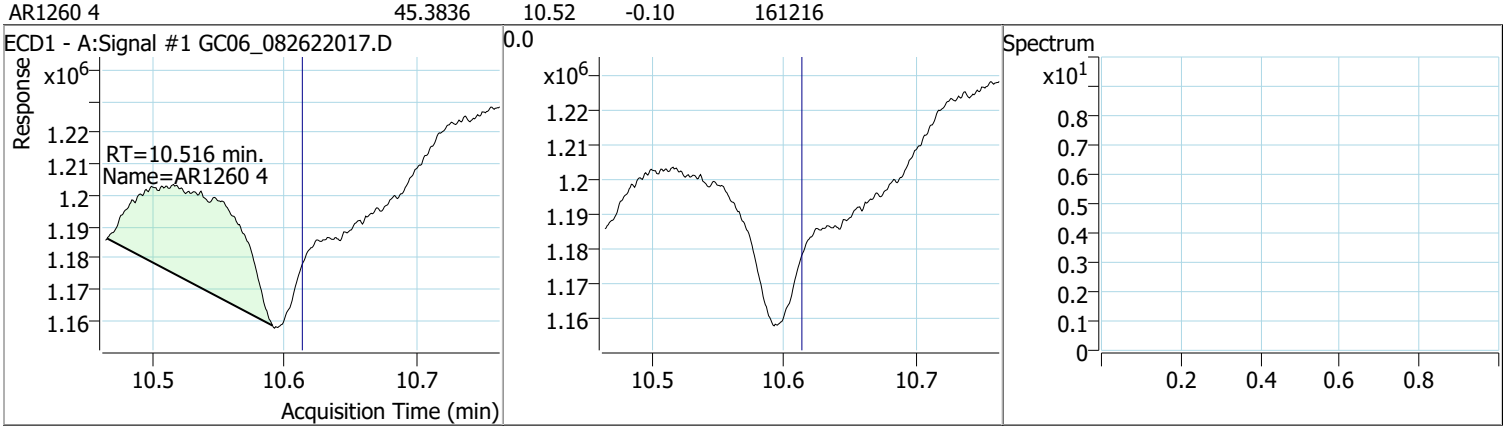
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	3.4723	10.13	0.04	24802				



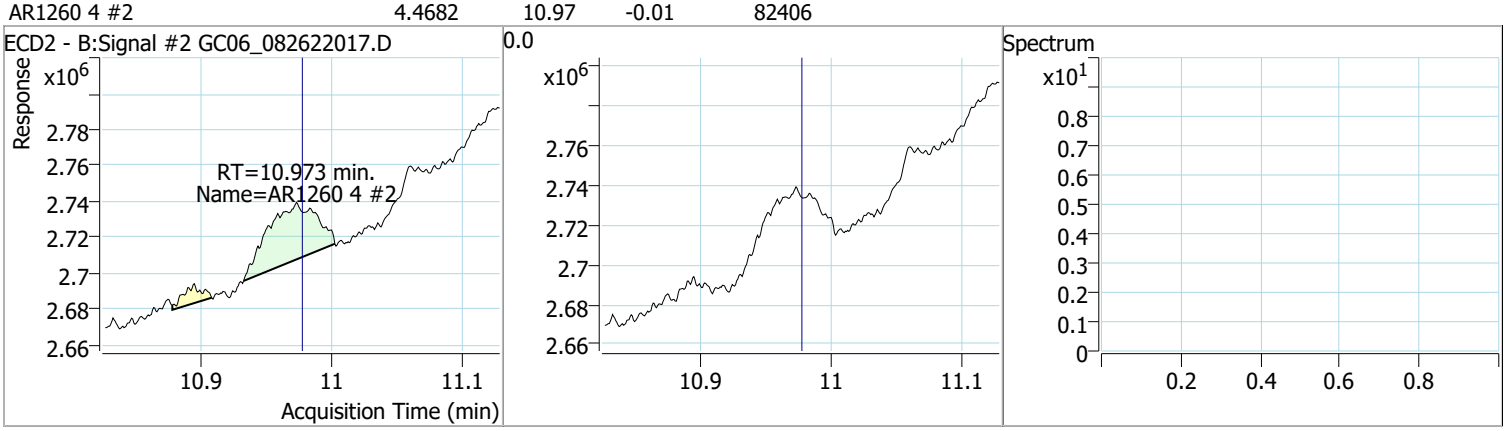
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	8.8400	10.47	-0.01	301288				



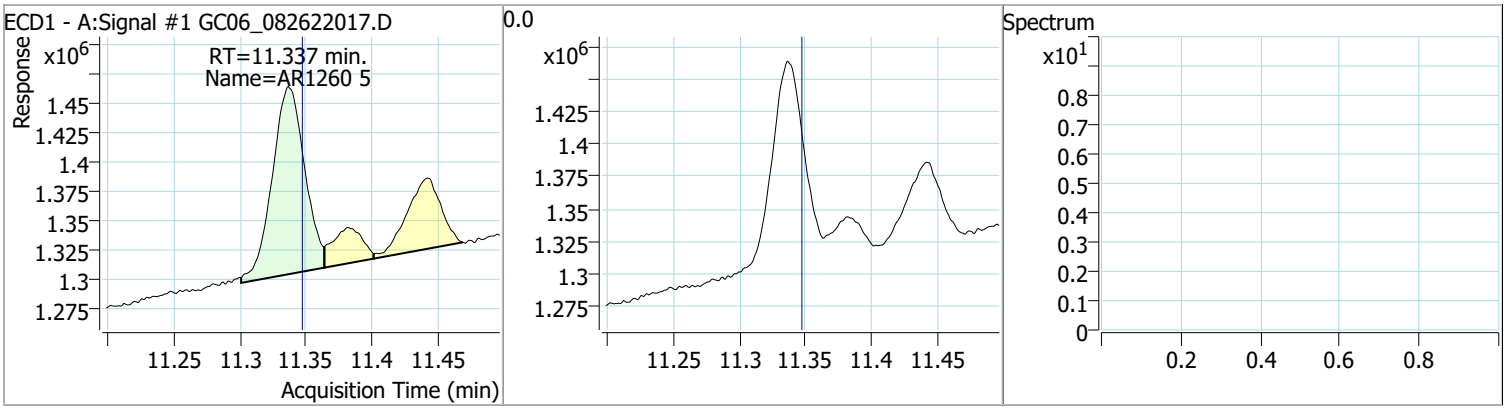
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	45.3836	10.52	-0.10	161216				



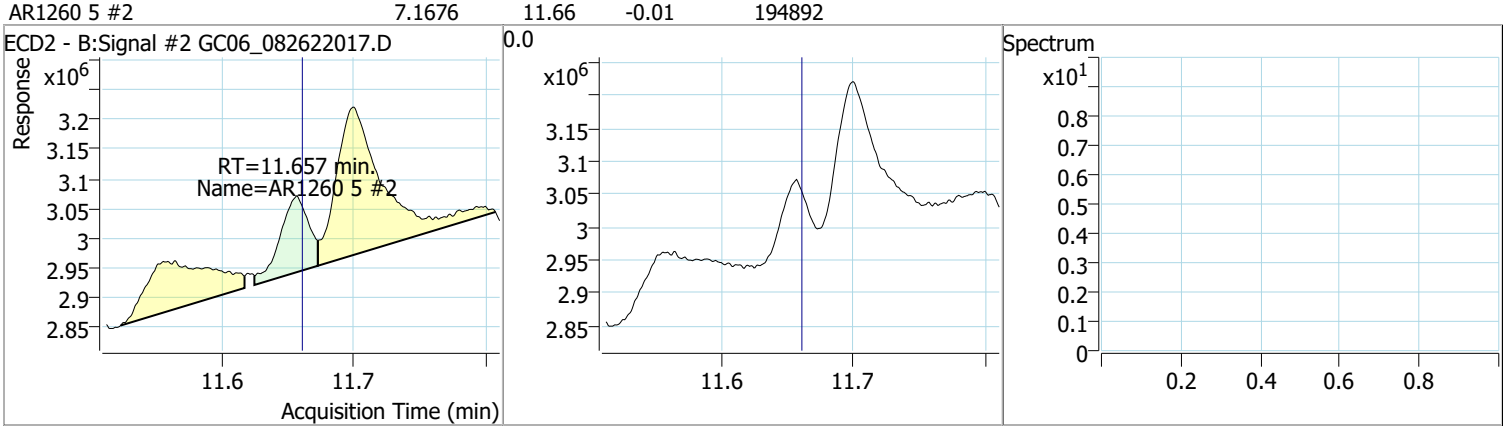
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	4.4682	10.97	-0.01	82406				



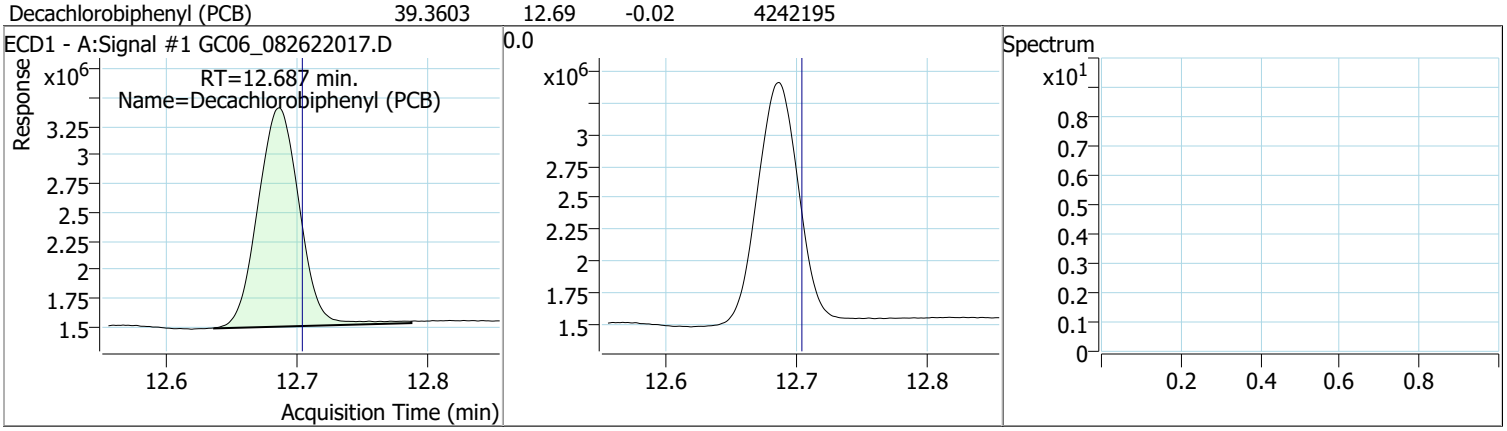
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	58.2257	11.34	-0.01	273753				



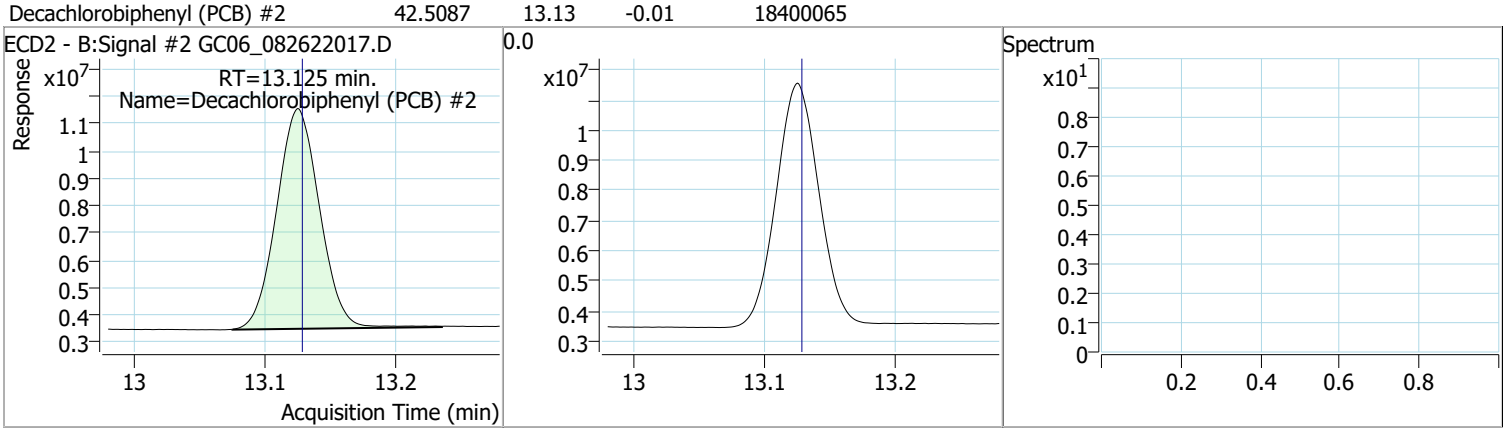
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	7.1676	11.66	-0.01	194892				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.3603	12.69	-0.02	4242195				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	42.5087	13.13	-0.01	18400065				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 467769 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Lab ID:	QC1008494		
Seqnum:	452343556013.4	Matrix:	Wipe		
File:	gc06_082622013	Batch:	295632	Time:	26-AUG-2022 17:17
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Flags
Aroclor-1016	A	22.15	ND	0.098	77%	0.50	u
Aroclor-1016 Peak # 1	A	33.85	0.34	0.03	168%		
Aroclor-1016 Peak # 2	A	8.518	0.09	0.13	44%		
Aroclor-1016 Peak # 3	A	6.310	0.06	0.09	33%		
Aroclor-1016 Peak # 4	A	11.44	0.11	0.13	12%		
Aroclor-1016 Peak # 5	A	50.62	0.51	0.11	129%		
Aroclor-1221	A		ND			0.50	u
Aroclor-1232	A		ND			0.50	u
Aroclor-1242	A		ND			0.50	u
Aroclor-1248	A		ND			0.50	u
Aroclor-1254	A		ND			0.50	u
Aroclor-1260	A	12.95	ND	0.10	23%	0.50	u
Aroclor-1260 Peak # 1	A	0.4210	0.00	0.42	196%		
Aroclor-1260 Peak # 2	A	0.1562	0.00	0.01	153%		
Aroclor-1260 Peak # 3	A	6.340	0.06	0.01	128%		
Aroclor-1260 Peak # 4	A	0.9714	0.01	0.04	126%		
Aroclor-1260 Peak # 5	A	56.85	0.57	0.02	185%		
Aroclor-1262	A		ND			0.50	u
Aroclor-1268	A		ND			0.50	u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	46.11	0.5000	0.4611	92	52-186	c+ u
Decachlorobiphenyl (PCB)	A	36.94	0.5000	0.3694	74	60-140	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622002)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	10776439	31.12
1-bromo-2-nitrobenzene (PCB)	A	1919479	2035190	6.03

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

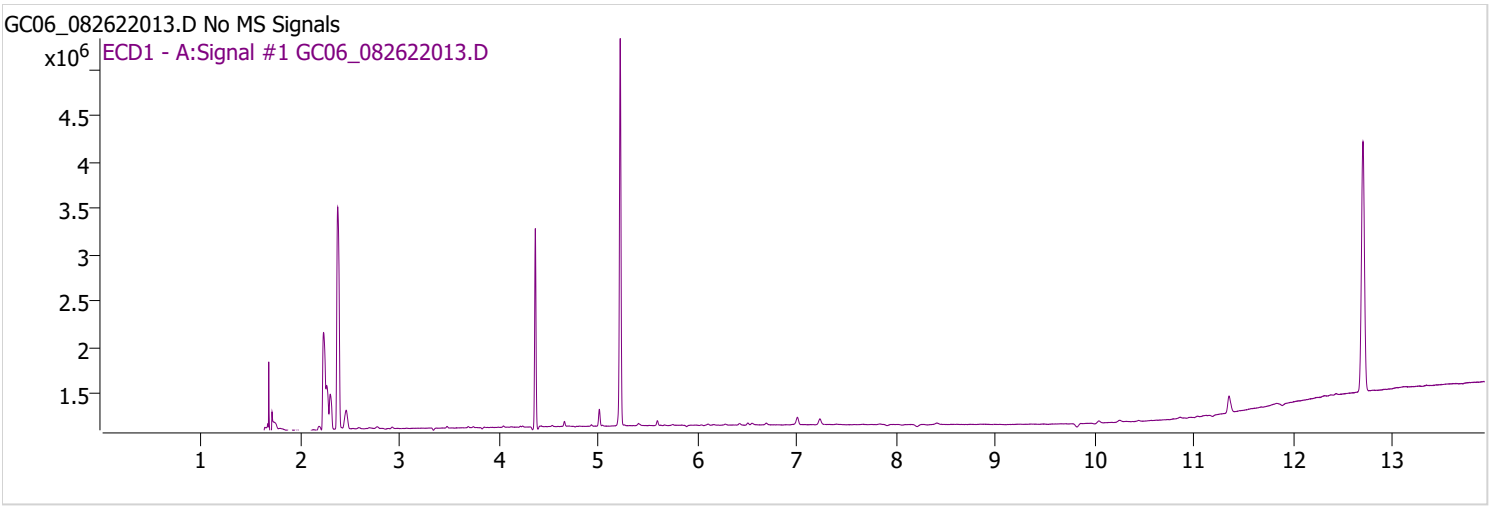
ISTD (CCV gc06_082622002)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

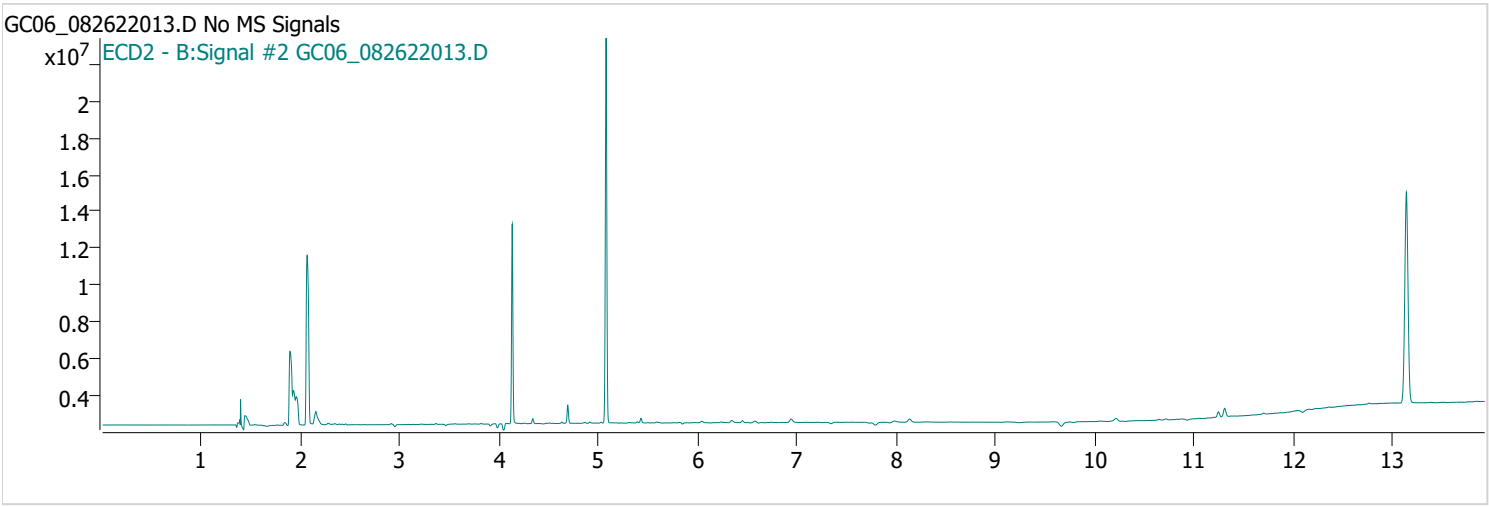
Analyst: TRN 08/30/22

Reviewer: LW 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622013.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 5:17:47 PM
Sample Name	QC1008494, 295632, 1	Instrument	SVOA-GC06
Vial	3	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



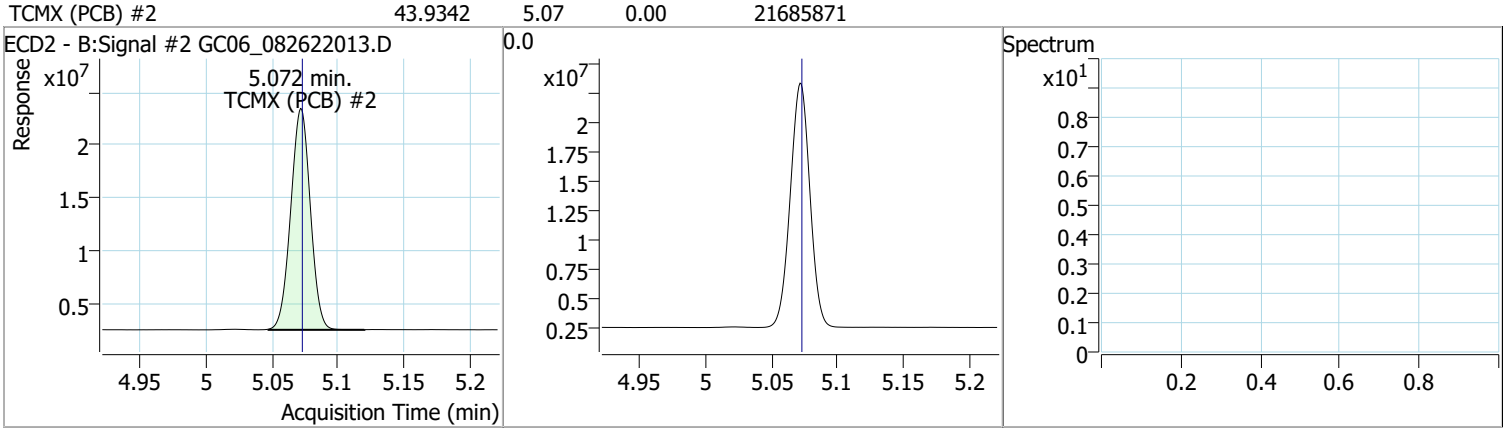


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.127	0.0	10776439.157	20.0000	ng/ml		0.002
M 1-bromo-2-nitrobenzene (PCB)	4.359	0.0	2035190.361	20.0000	ng/ml		0.003
System Monitoring Compounds							
S TCMX (PCB) #2	5.072	0.0	21685870.620	43.9342	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 219.67%		*	
S TCMX (PCB)	5.214	0.0	4512354.527	46.0946	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 230.47%		*	
S Decachlorobiphenyl (PCB)	12.697	0.0	5714684.403	36.9299	ng/ml		-0.009
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 184.65%		*	
S Decachlorobiphenyl (PCB) #2	13.133	0.0	26051940.607	40.0631	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 200.32%		*	
Target Compounds							QValue

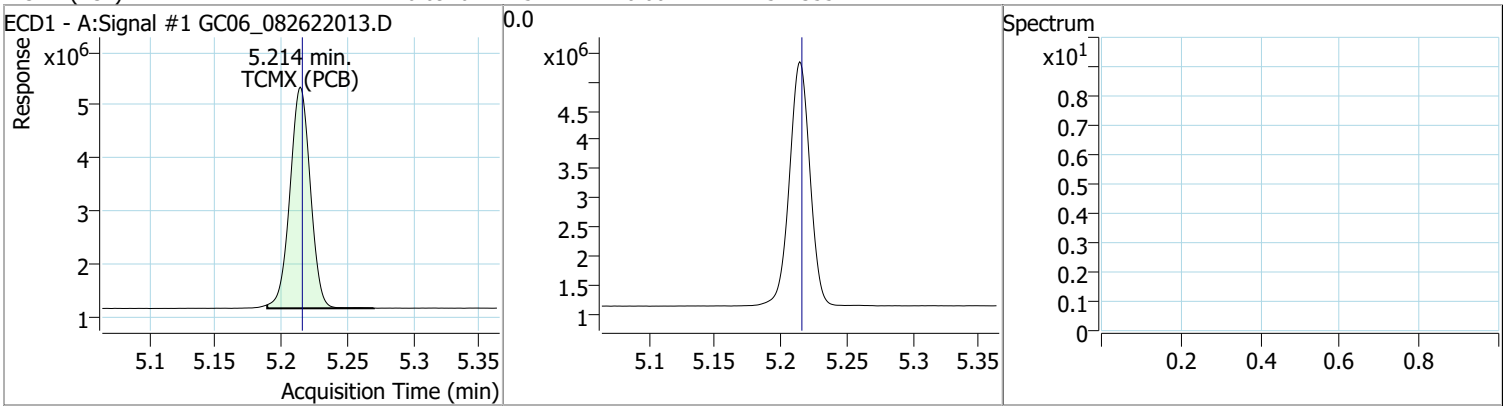
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.495	0.0	29841.819	2.9570	ng/ml	100
T AR1016 1	5.588	0.0	67375.033	33.8436	ng/ml	100
T AR1016 2 #2	5.971	0.0	278587.152	13.3022	ng/ml	100
T AR1016 2	5.832	0.0	36911.988	8.5156	ng/ml	100
T AR1016 3 #2	6.447	0.0	242956.791	8.7965	ng/ml	100
T AR1016 3	6.417	0.0	32184.252	6.3088	ng/ml	100
T AR1016 4	6.541	0.0	43649.254	11.4336	ng/ml	100
T AR1016 4 #2	6.572	0.0	241204.749	12.8724	ng/ml	100
T AR1016 5	6.998	0.0	149448.159	50.6072	ng/ml	100
T AR1016 5 #2	7.295	0.0	160523.223	10.9573	ng/ml	100
T AR1260 1	9.070	0.0	2695.846	0.4209	ng/ml	100
T AR1260 1 #2	9.579	0.0	1379085.786	42.2826	ng/ml	100
T AR1260 2	9.664	0.0	1540.640	0.1562	ng/ml	100
T AR1260 2 #2	10.053	0.0	44577.893	1.1829	ng/ml	100
T AR1260 3	10.036	0.0	65005.600	6.3388	ng/ml	100
T AR1260 3 #2	10.451	0.0	70787.974	1.3825	ng/ml	100
T AR1260 4	10.616	0.0	4952.980	0.9711	ng/ml	100
T AR1260 4 #2	10.873	0.0	117818.494	4.2524	ng/ml	100
T AR1260 5	11.348	0.0	383654.215	56.8347	ng/ml	100
T AR1260 5 #2	11.697	0.0	93305.551	2.2842	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

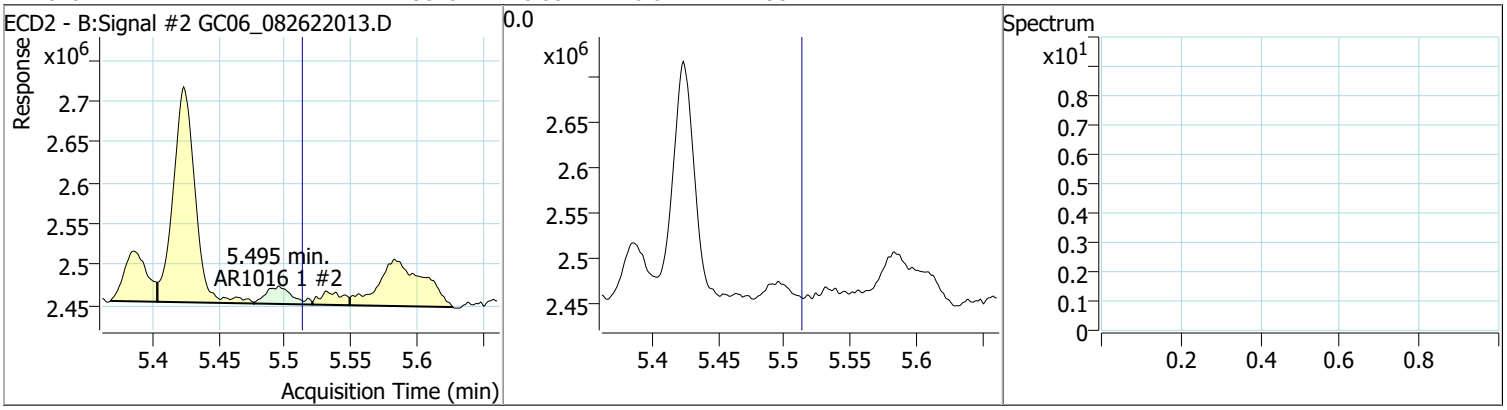
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	43.9342	5.07	0.00	21685871				



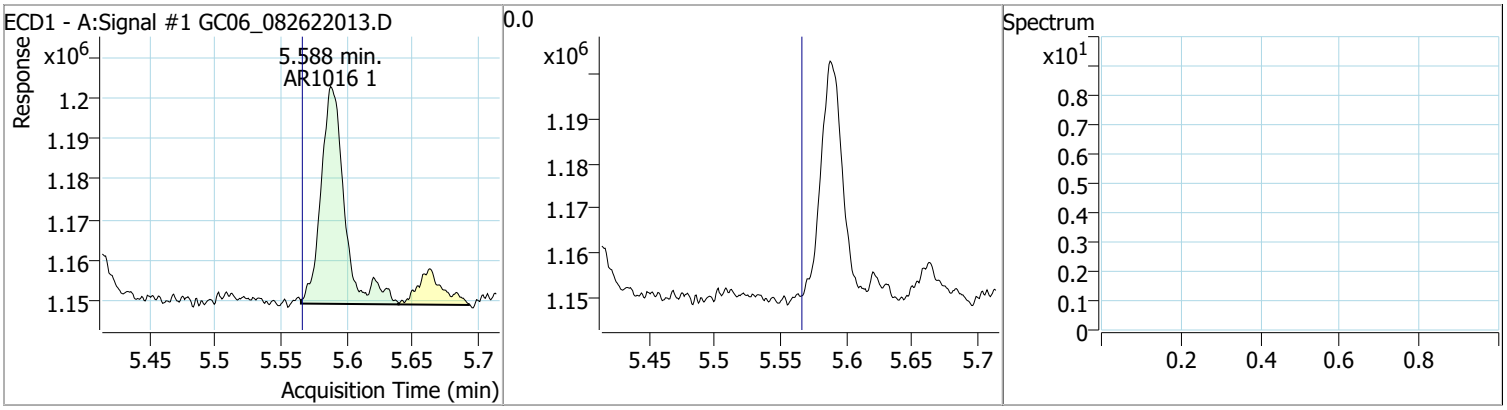
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	46.0946	5.21	0.00	4512355				



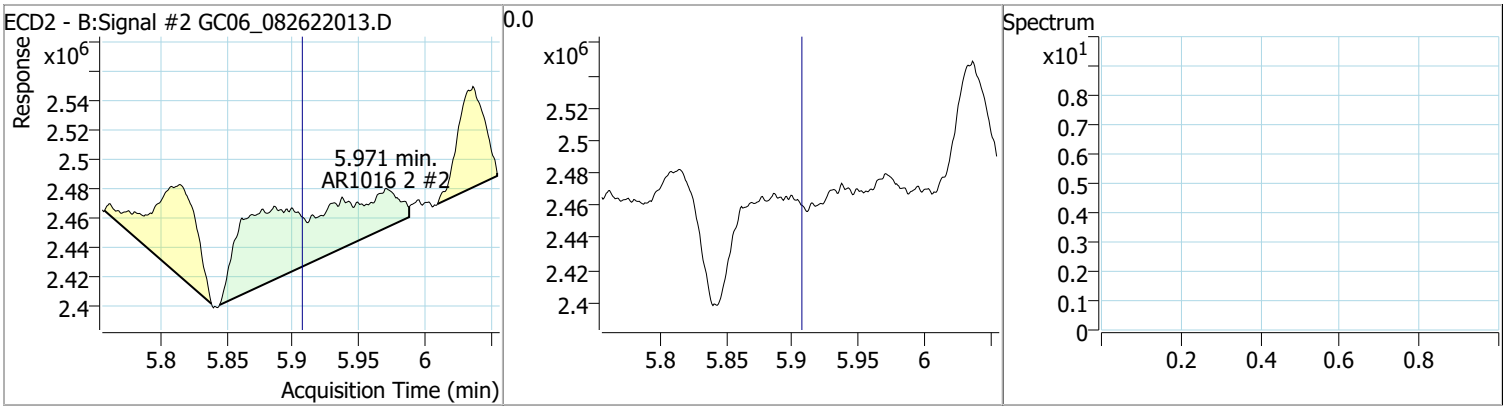
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	2.9570	5.50	-0.01	29842				



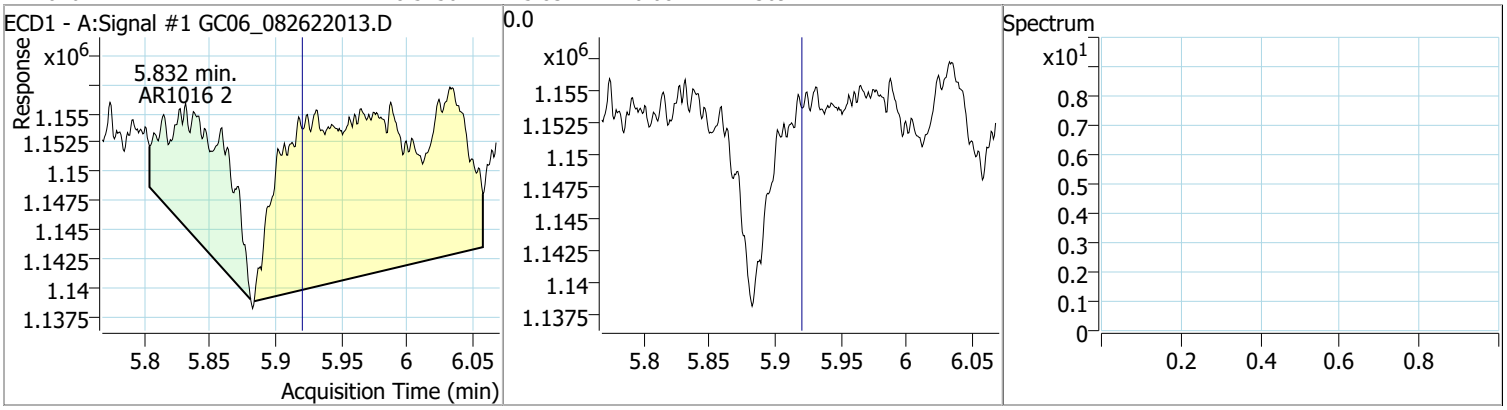
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	33.8436	5.59	0.03	67375				



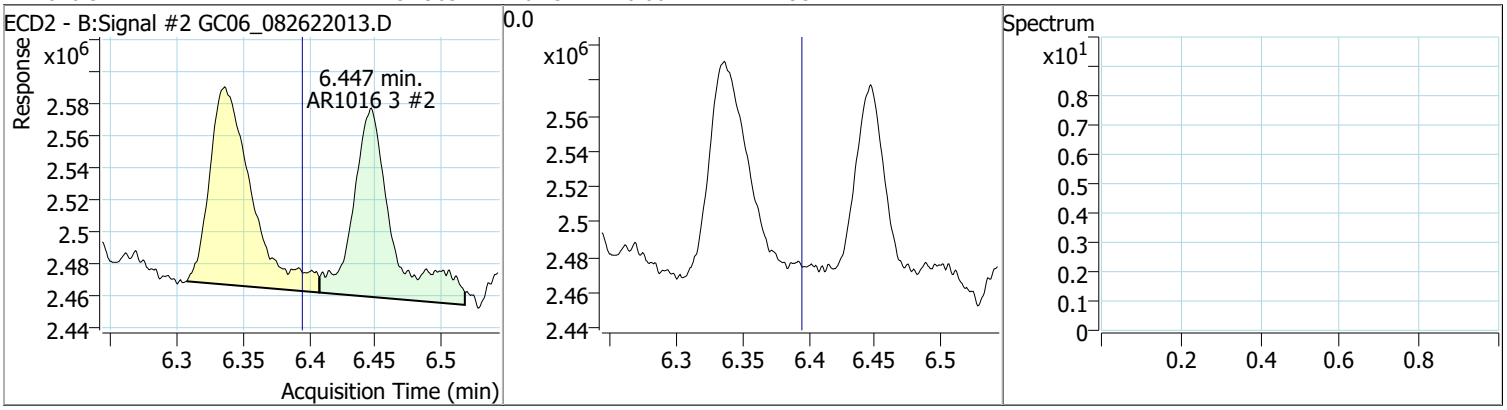
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	13.3022	5.97	0.07	278587				



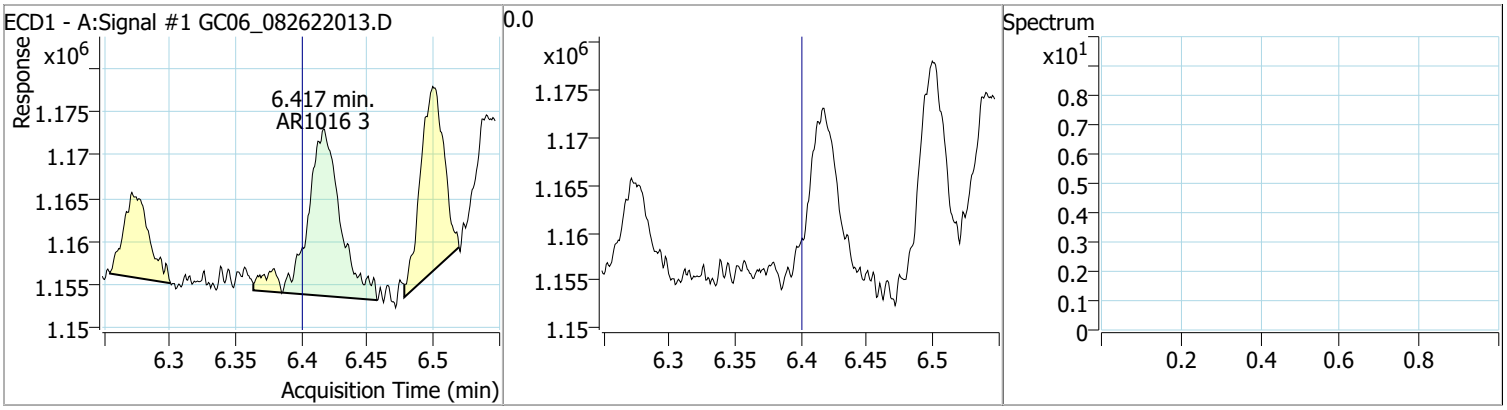
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	8.5156	5.83	-0.08	36912				



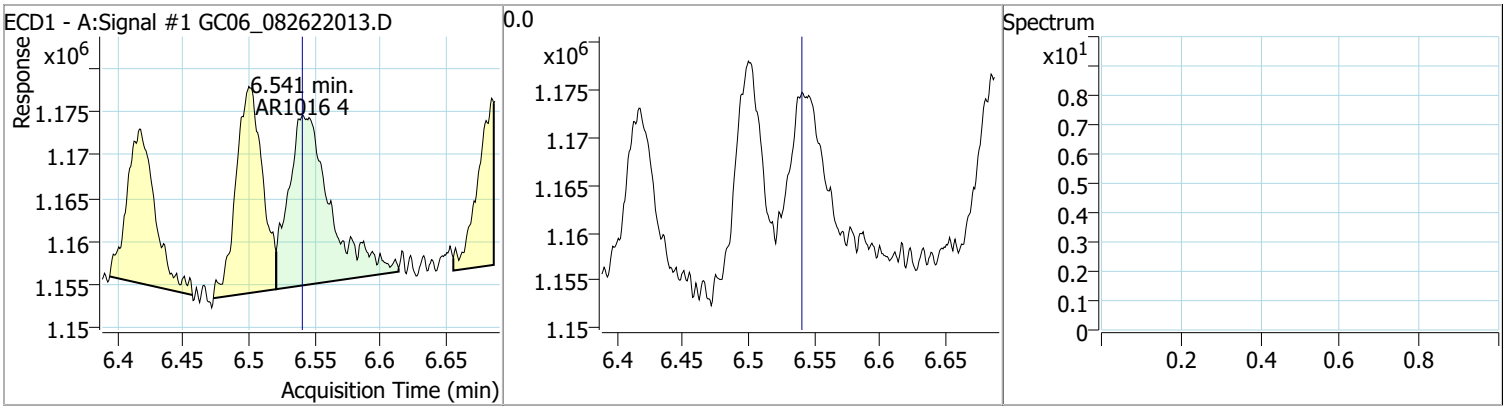
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	8.7965	6.45	0.06	242957				



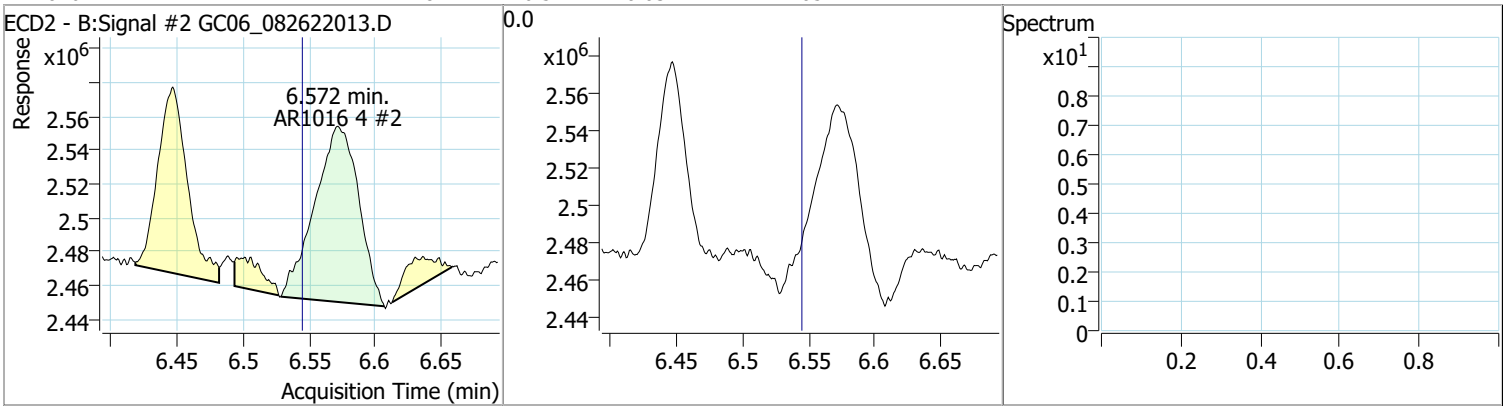
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	6.3088	6.42	0.02	32184				



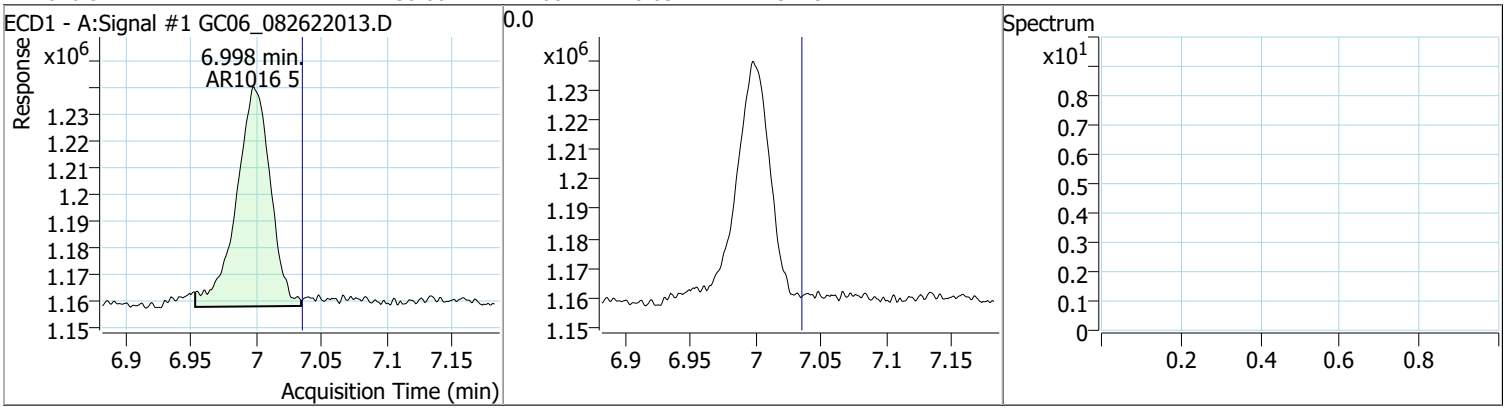
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	11.4336	6.54	0.01	43649				



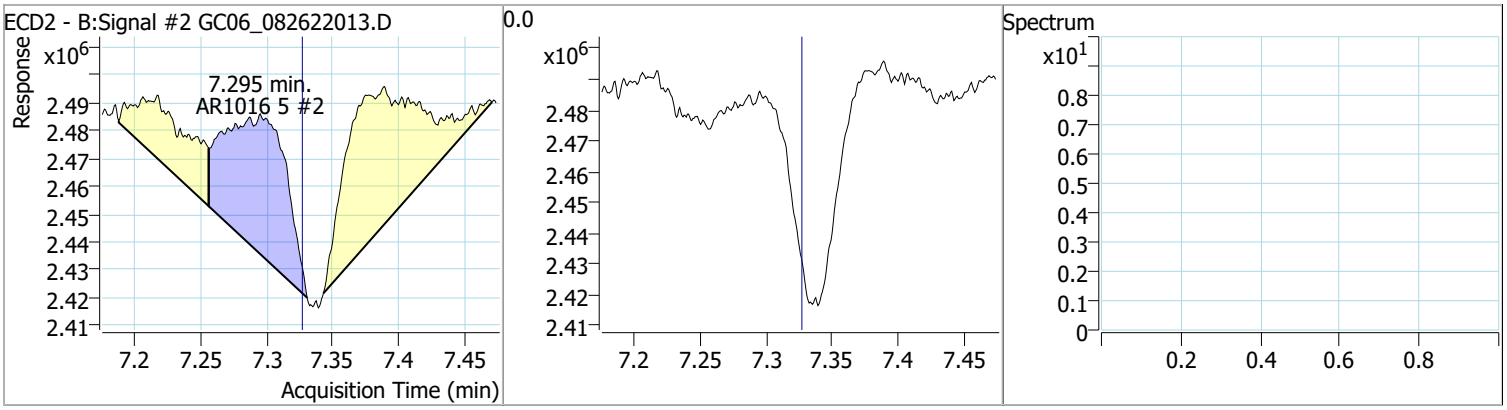
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	12.8724	6.57	0.03	241205				



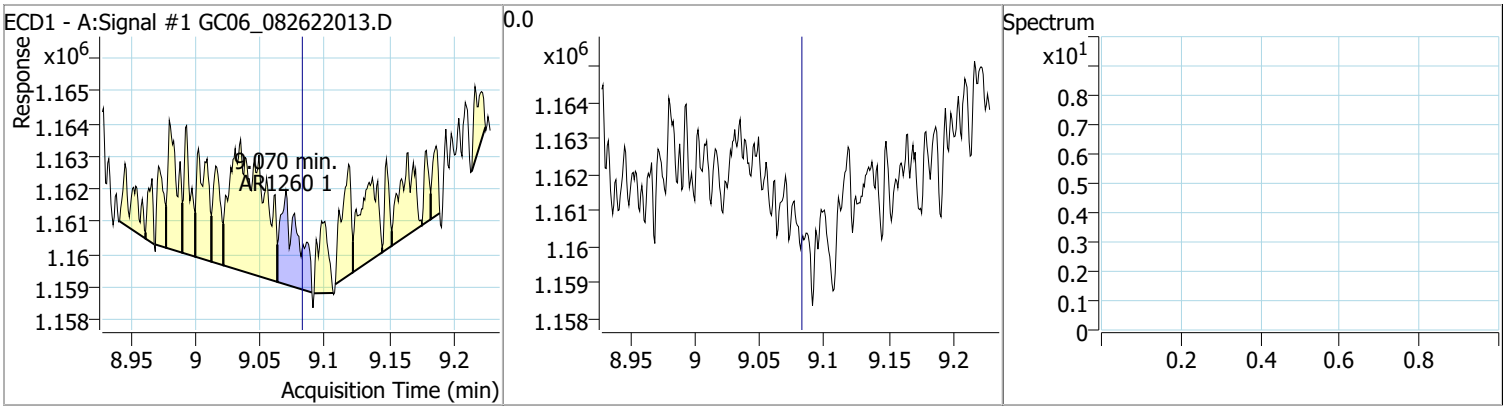
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	50.6072	7.00	-0.03	149448				



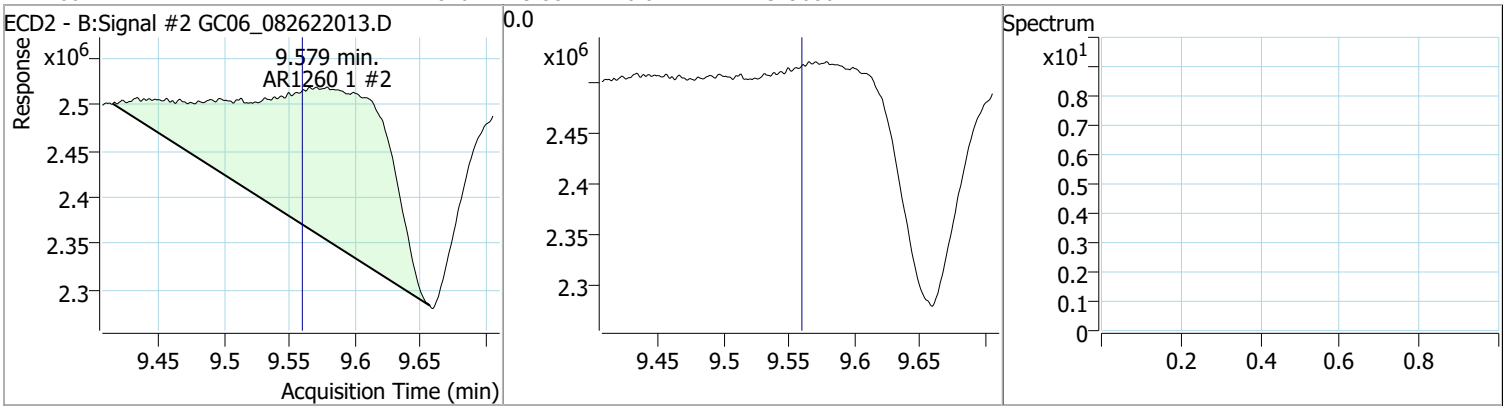
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	10.9573	7.30	-0.03	160523				



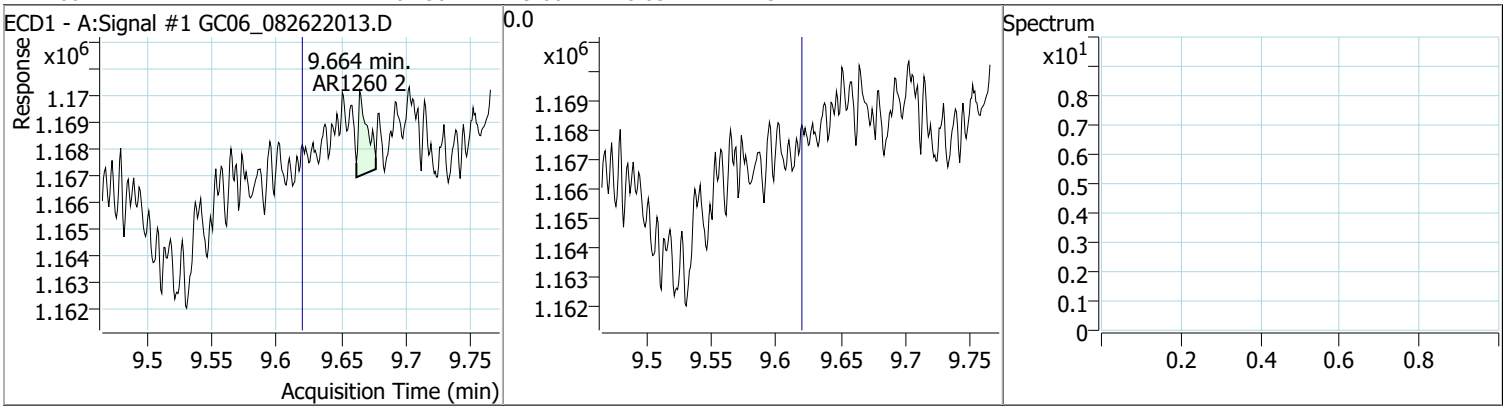
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	0.4209	9.07	0.00	2696				



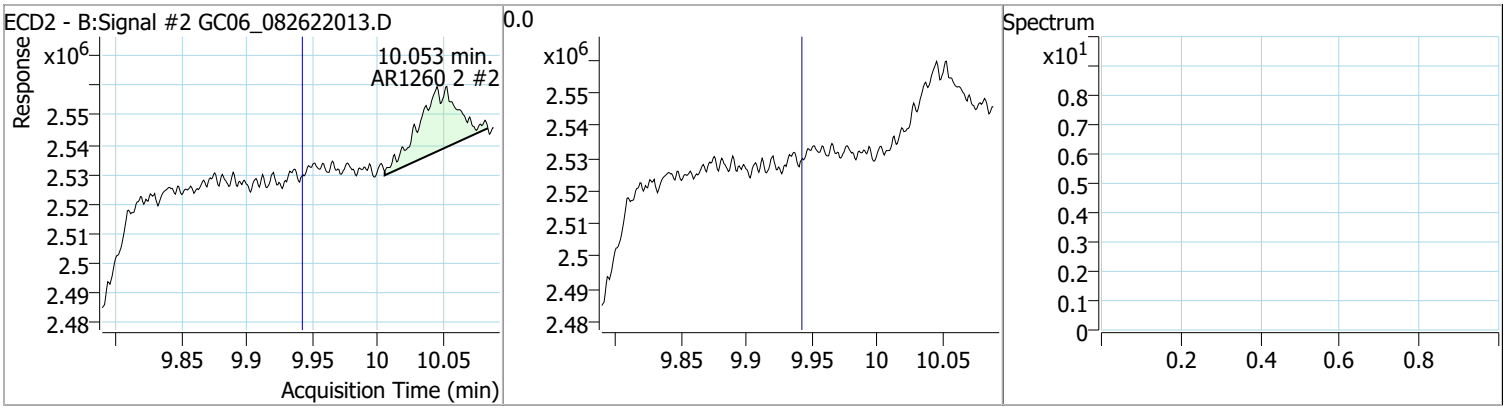
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	42.2826	9.58	0.02	1379086				



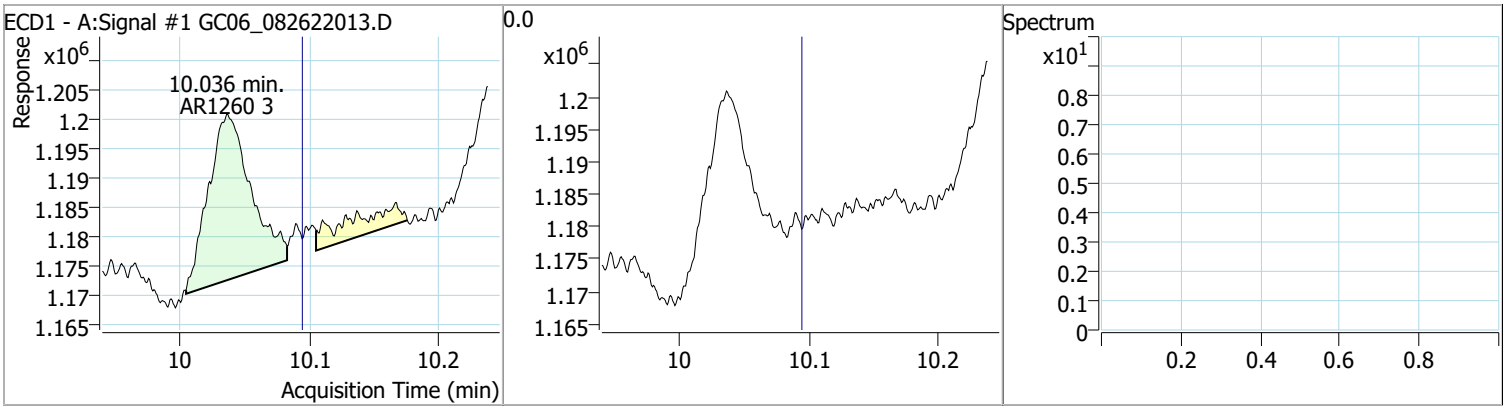
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.1562	9.66	0.05	1541				



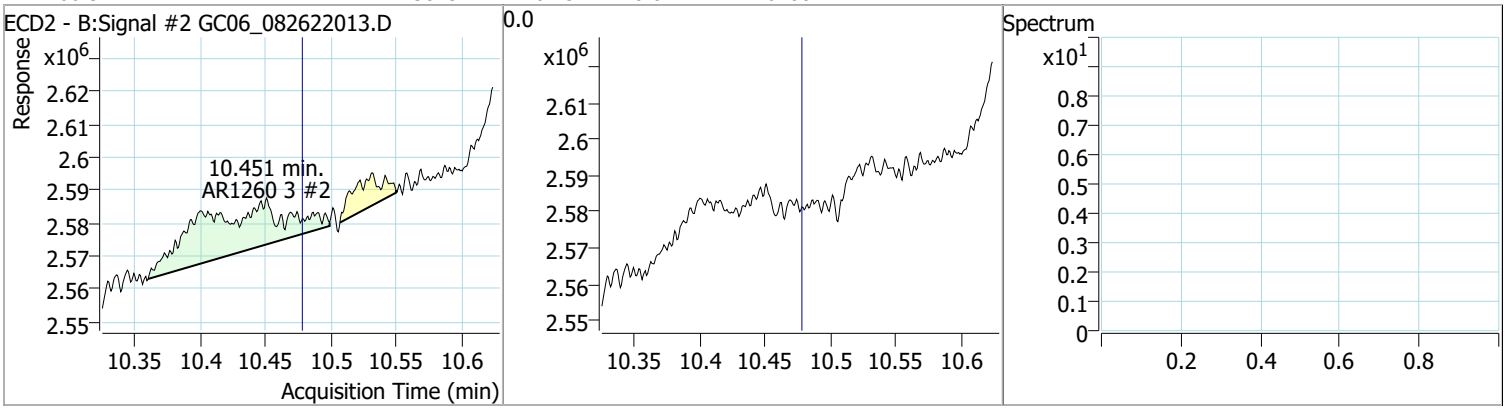
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1.1829	10.05	0.12	44578				



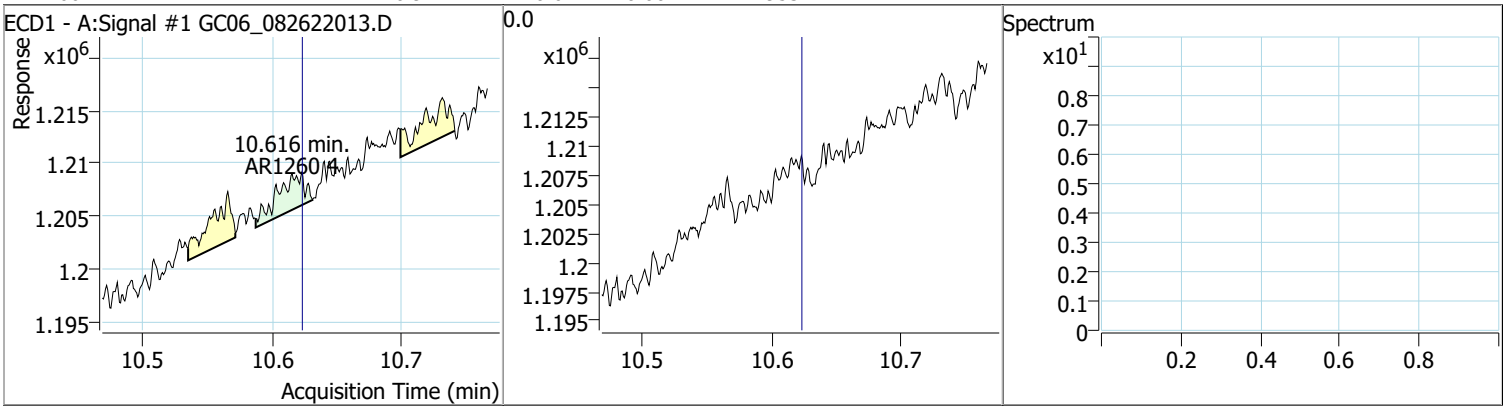
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	6.3388	10.04	-0.05	65006				



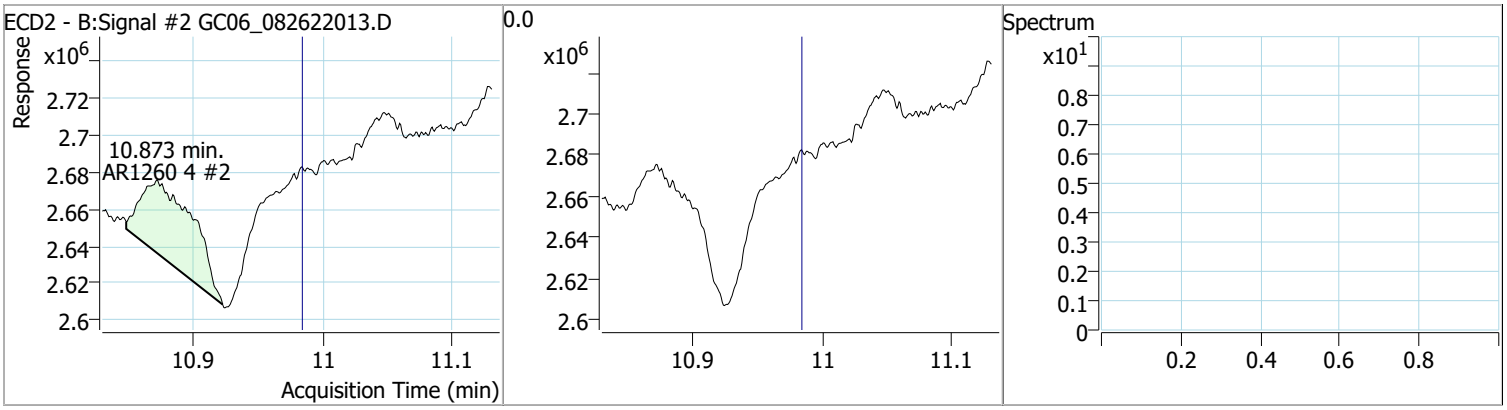
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1.3825	10.45	-0.02	70788				



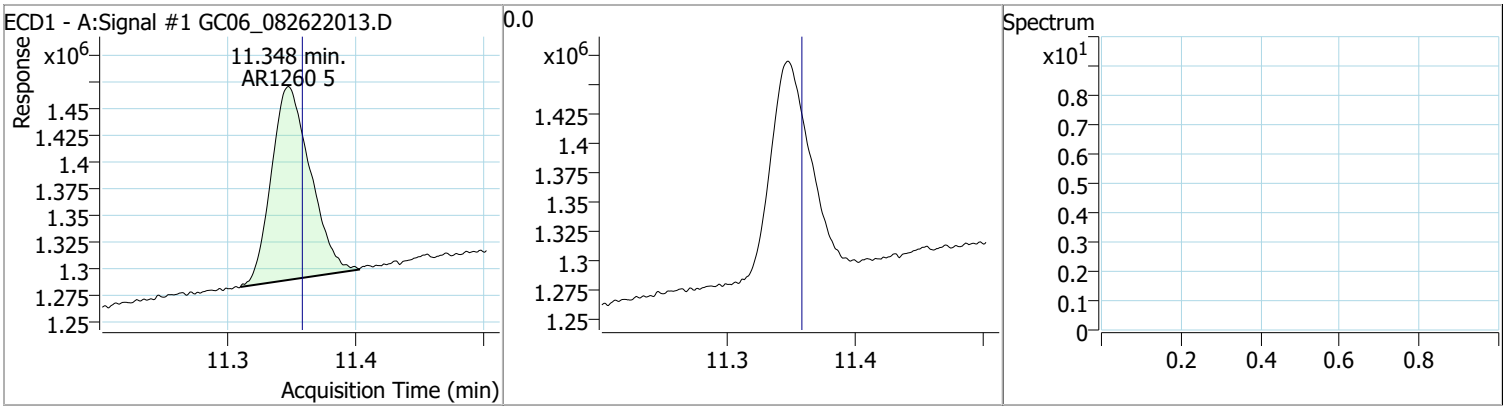
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	0.9711	10.62	0.00	4953				



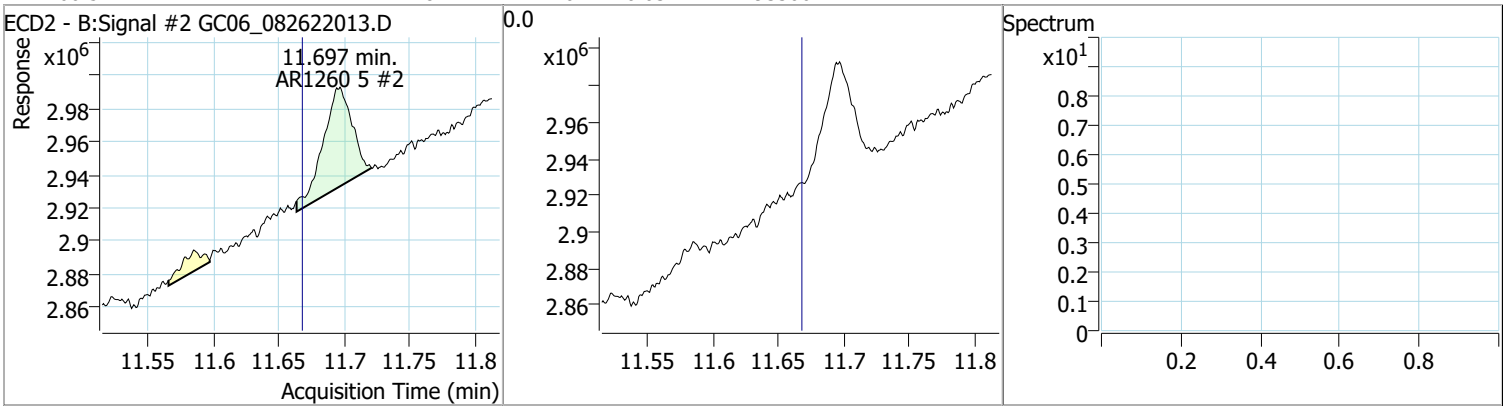
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	4.2524	10.87	-0.11	117818				



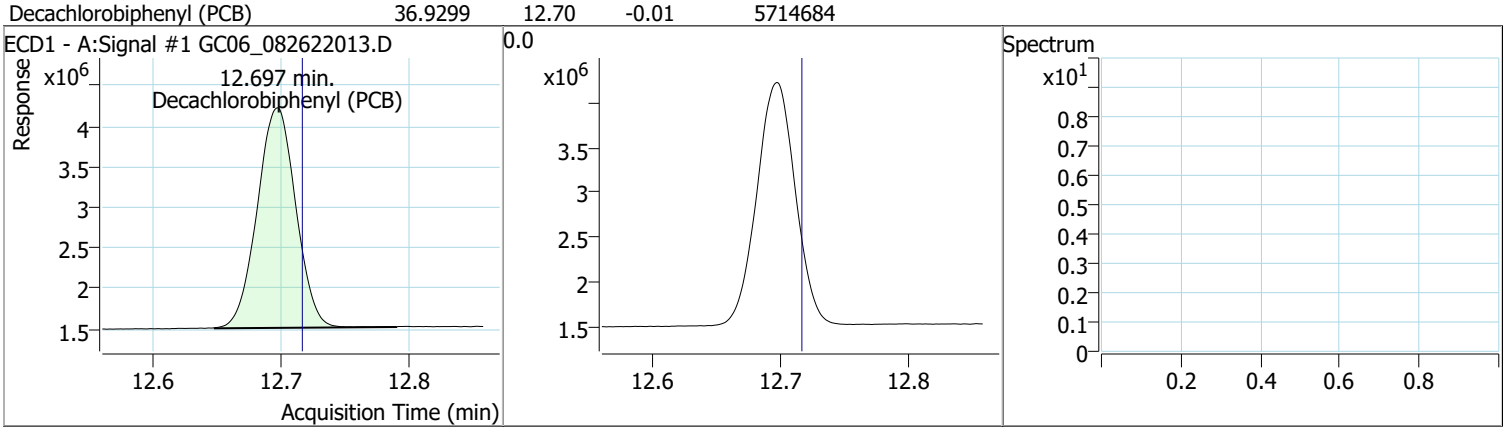
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	56.8347	11.35	0.00	383654				



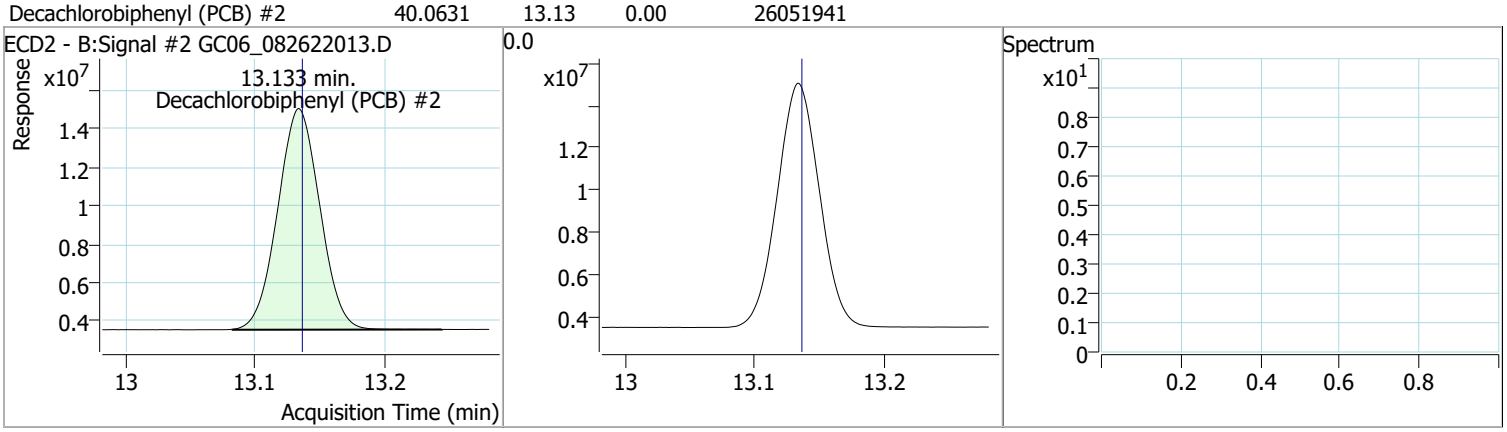
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	2.2842	11.70	0.03	93306				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	36.9299	12.70	-0.01	5714684				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	40.0631	13.13	0.00	26051941				



ENTHALPY BLANK USER REPORT FOR 467769 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Lab ID:	QC1009630		
Seqnum:	452349374008.1	Matrix:	Wipe		
File:	gc06_083022008	Batch:	295971	Time:	30-AUG-2022 16:04
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	6.946	ND	0.13	61%	0.50	u
Aroclor-1016 Peak # 1	B	5.993	0.06	0.35	141%		
Aroclor-1016 Peak # 2	B	18.23	0.18	0.02	155%		
Aroclor-1016 Peak # 3	B	5.345	0.05	0.04	40%		
Aroclor-1016 Peak # 4	B	4.457	0.04	0.03	38%		
Aroclor-1016 Peak # 5	B	0.7024	0.01	0.21	187%		
Aroclor-1221	B		ND			0.50	u
Aroclor-1232	B		ND			0.50	u
Aroclor-1242	B		ND			0.50	u
Aroclor-1248	B		ND			0.50	u
Aroclor-1254	B		ND			0.50	u
Aroclor-1260	B	1.427	ND	0.017	20%	0.50	u
Aroclor-1260 Peak # 1	B	0.1634	0.00	0.00	89%		
Aroclor-1260 Peak # 2	B	0.2350	0.00	0.00	72%		
Aroclor-1260 Peak # 3	B	0.06641	0.00	0.00	150%		
Aroclor-1260 Peak # 4	B	0.1684	0.00	0.01	115%		
Aroclor-1260 Peak # 5	B	6.500	0.07	0.07	9%		
Aroclor-1262	B		ND			0.50	u
Aroclor-1268	B		ND			0.50	u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	47.38	0.5000	0.4738	95	52-186	u
Decachlorobiphenyl (PCB)	B	38.97	0.5000	0.3897	78	60-140	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_083022002)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5237900	5340596	1.96
1-bromo-2-nitrobenzene (PCB)	A	1298245	1204945	-7.19

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

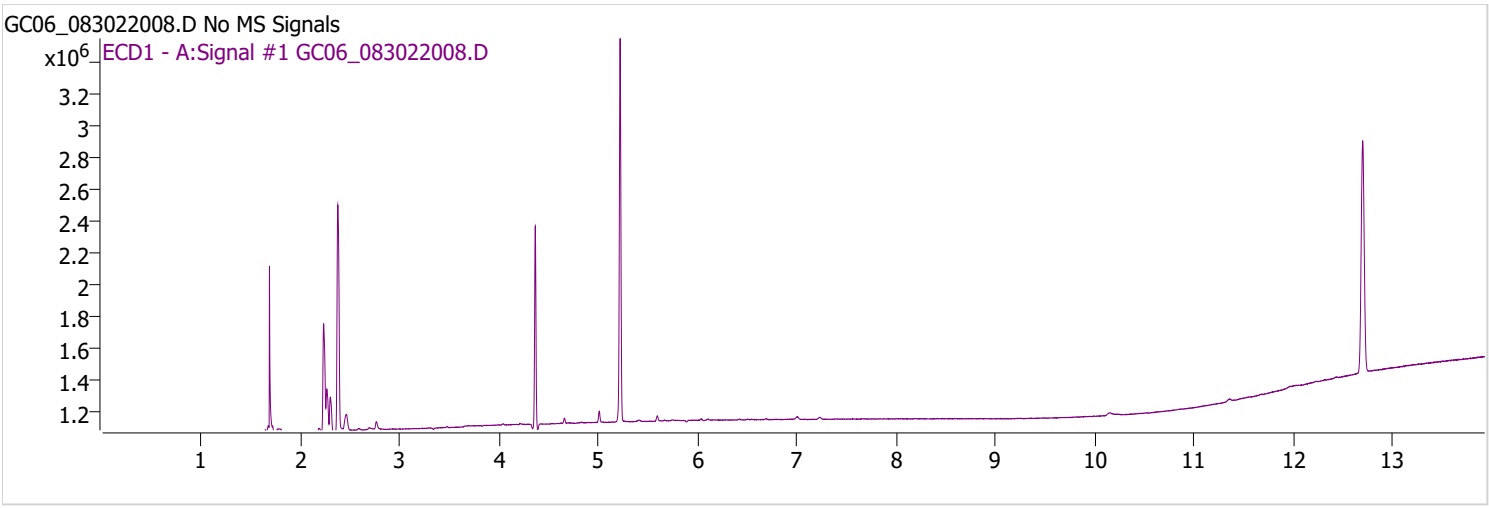
ISTD (CCV gc06_083022002)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

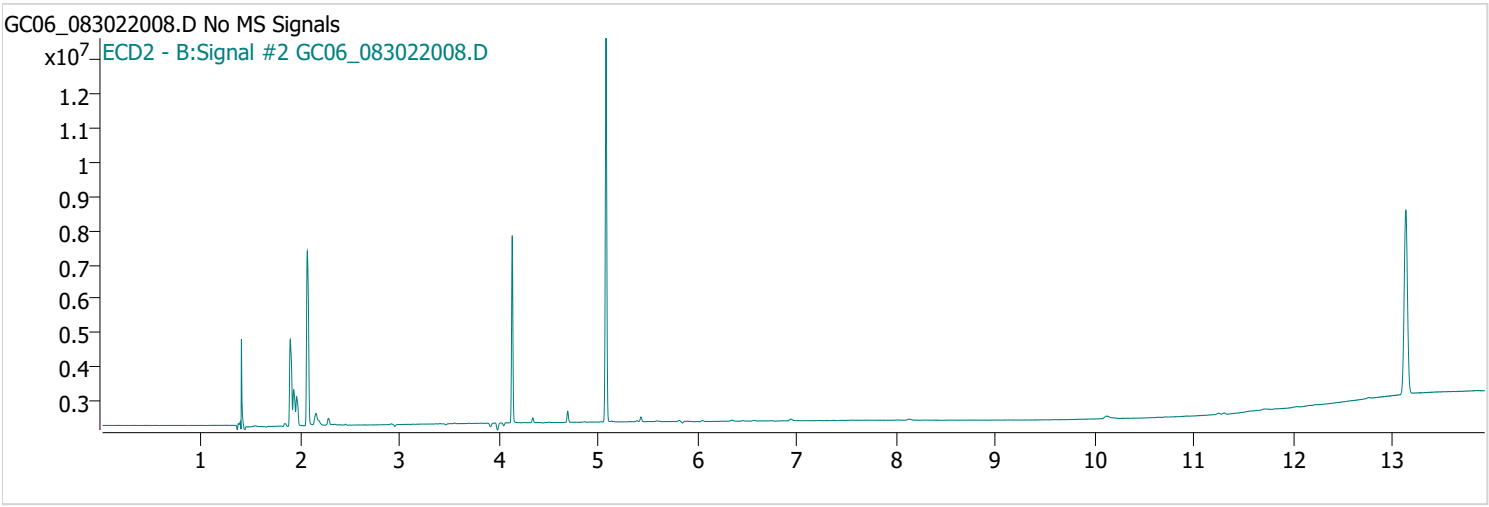
Analyst: TRN 08/30/22

Reviewer: LW 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_083022008.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/30/2022 4:04:06 PM
Sample Name	QC1009630, 295971, 1	Instrument	SVOA-GC06
Vial	1	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	083022PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



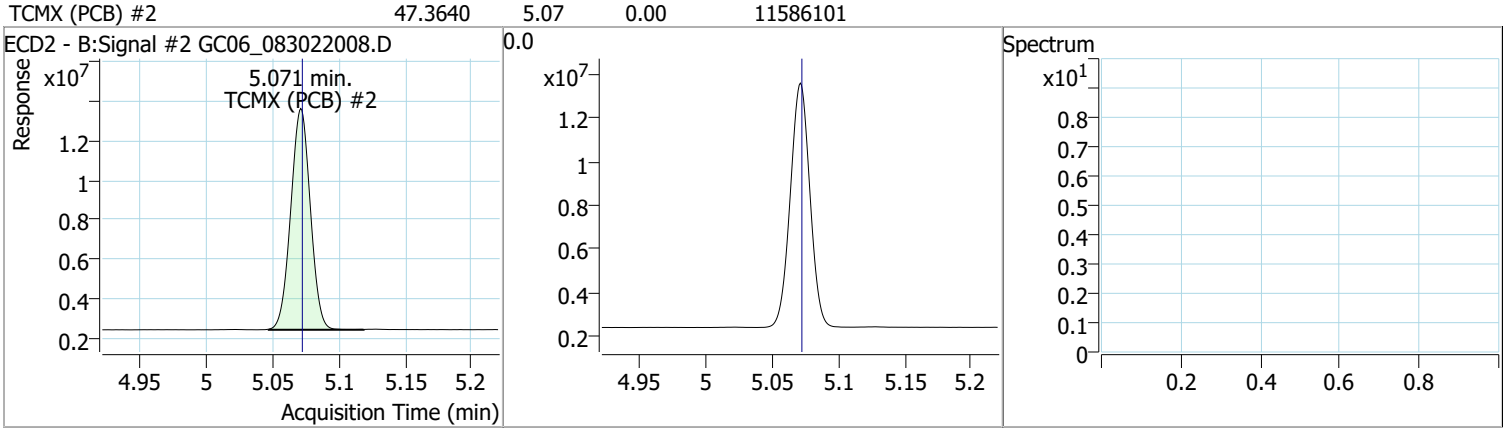


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.126	0.0	5340596.190	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB)	4.358	0.0	1204944.700	20.0000	ng/ml		0.002
System Monitoring Compounds							
S TCMX (PCB) #2	5.071	0.0	11586100.832	47.3640	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 236.82%		*	
S TCMX (PCB)	5.213	0.0	2600542.763	44.8692	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 224.35%		*	
S Decachlorobiphenyl (PCB)	12.692	0.0	3100677.260	33.8439	ng/ml		-0.014
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 169.22%		*	
S Decachlorobiphenyl (PCB) #2	13.127	0.0	12555804.837	38.9614	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.81%		*	
Target Compounds							QValue

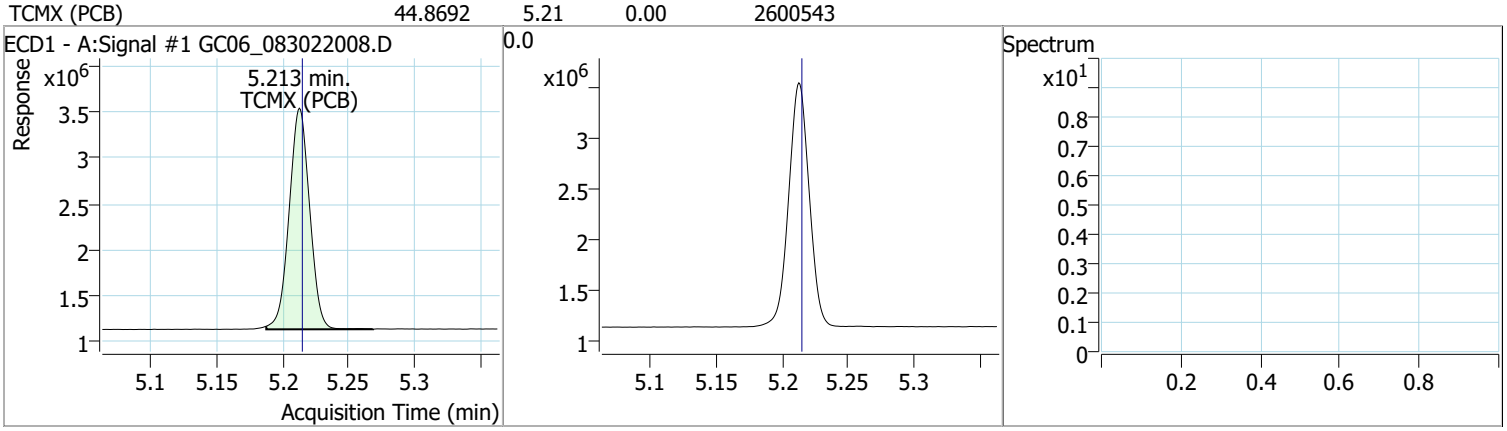
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.579	0.0	29962.545	5.9909	ng/ml	100
T AR1016 1	5.588	0.0	41131.208	34.8969	ng/ml	100
T AR1016 2 #2	5.886	0.0	189206.258	18.2298	ng/ml	100
T AR1016 2	5.865	0.0	5885.322	2.2933	ng/ml	100
T AR1016 3 #2	6.338	0.0	73137.111	5.3432	ng/ml	100
T AR1016 3	6.419	0.0	10798.300	3.5752	ng/ml	100
T AR1016 4	6.537	0.0	6839.771	3.0261	ng/ml	100
T AR1016 4 #2	6.557	0.0	41374.455	4.4555	ng/ml	100
T AR1016 5	6.999	0.0	36943.788	21.1301	ng/ml	100
T AR1016 5 #2	7.304	0.0	5097.996	0.7022	ng/ml	100
T AR1260 1	9.086	0.0	1613.216	0.4254	ng/ml	100
T AR1260 1 #2	9.576	0.0	2639.885	0.1633	ng/ml	100
T AR1260 2	9.585	0.0	649.202	0.1112	ng/ml	100
T AR1260 2 #2	9.928	0.0	4387.270	0.2349	ng/ml	100
T AR1260 3	10.051	0.0	2813.335	0.4634	ng/ml	100
T AR1260 3 #2	10.467	0.0	1684.658	0.0664	ng/ml	100
T AR1260 4	10.624	0.0	1878.577	0.6221	ng/ml	100
T AR1260 4 #2	10.989	0.0	2312.120	0.1684	ng/ml	100
T AR1260 5	11.351	0.0	28406.078	7.1076	ng/ml	100
T AR1260 5 #2	11.723	0.0	131554.613	6.4986	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

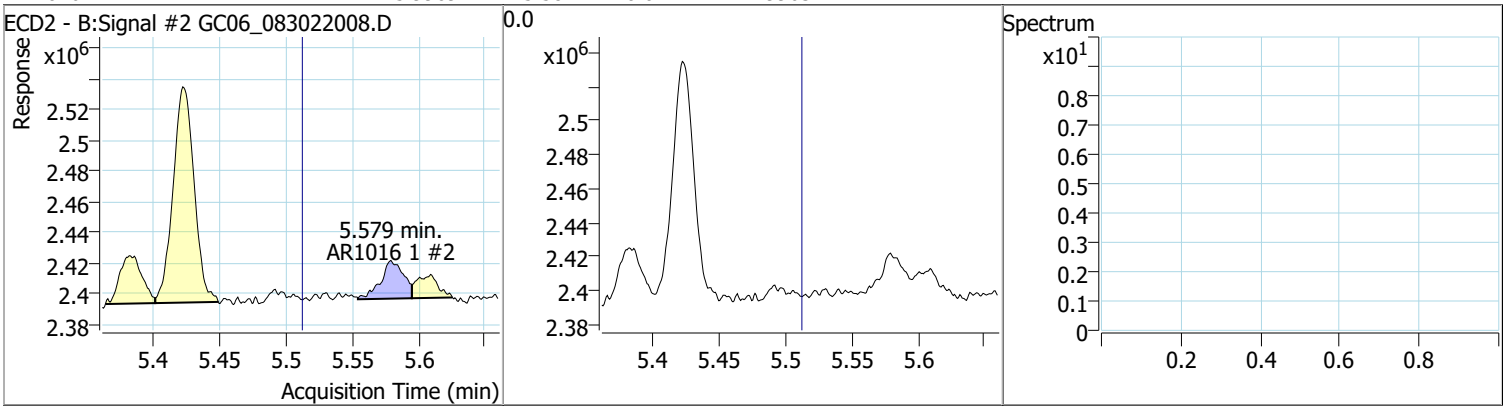
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	47.3640	5.07	0.00	11586101				



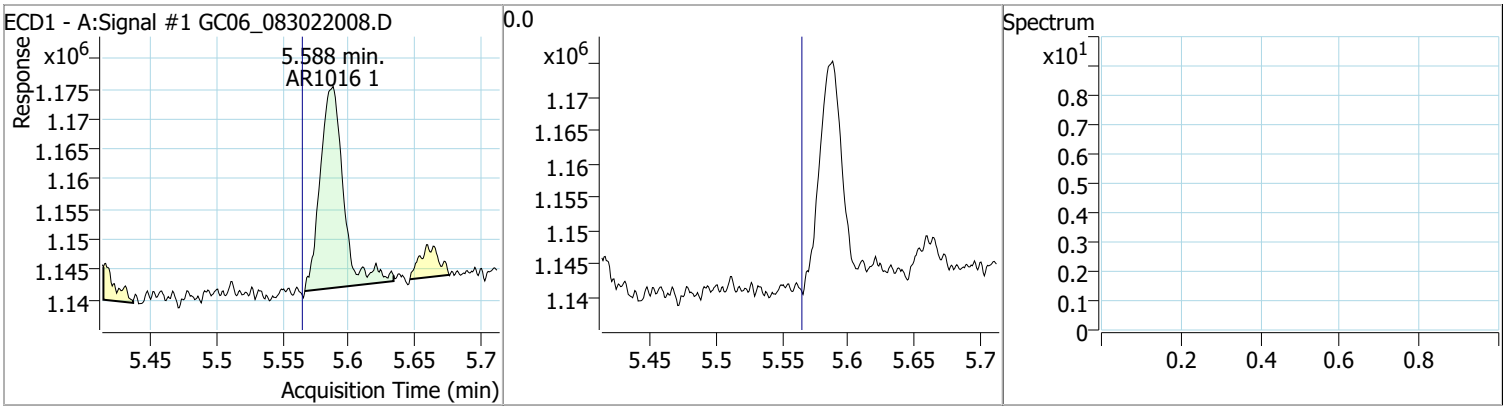
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	44.8692	5.21	0.00	2600543				



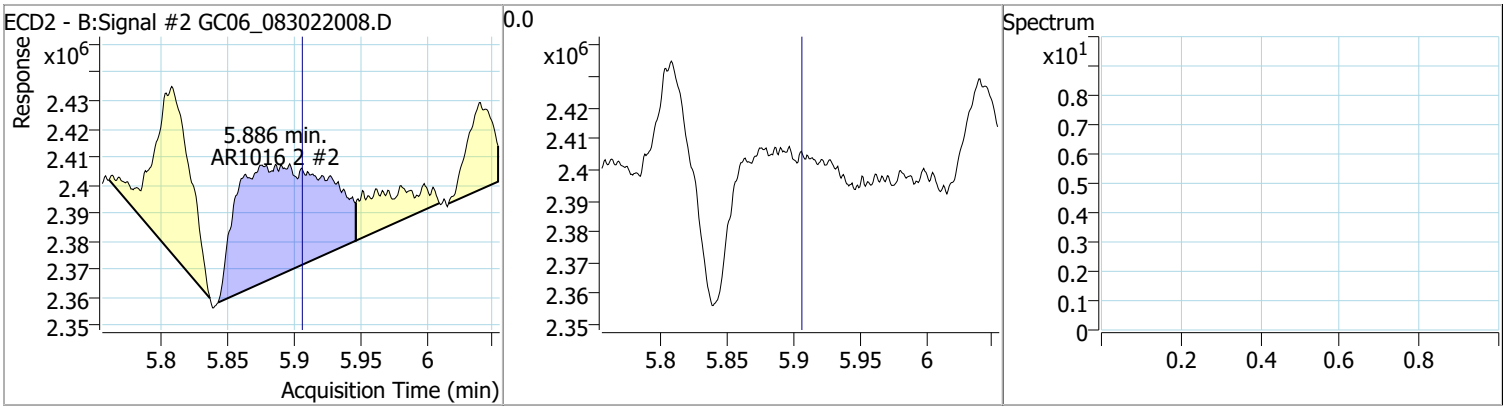
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	5.9909	5.58	0.07	29963				



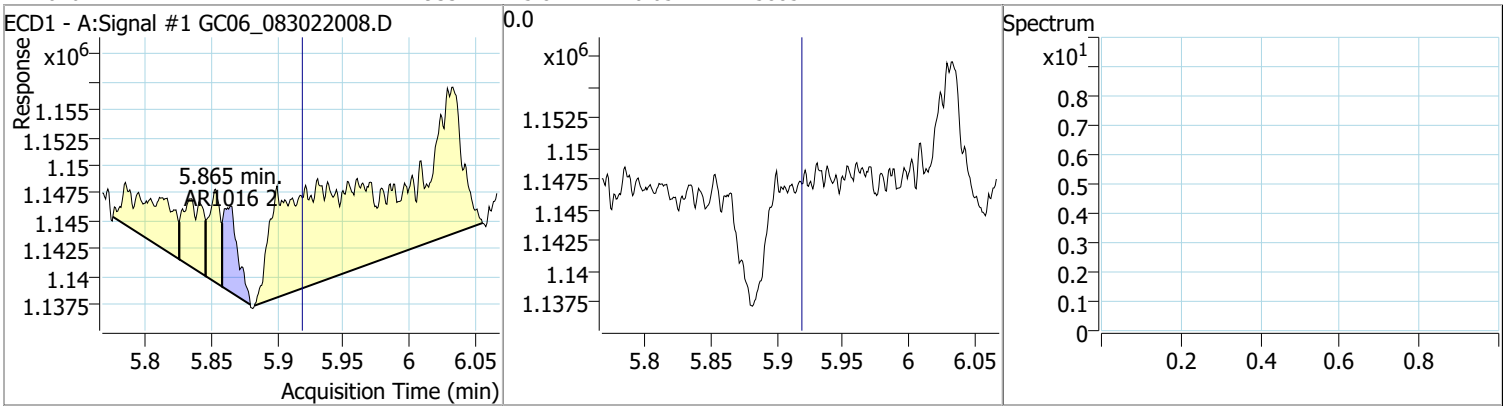
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	34.8969	5.59	0.03	41131				



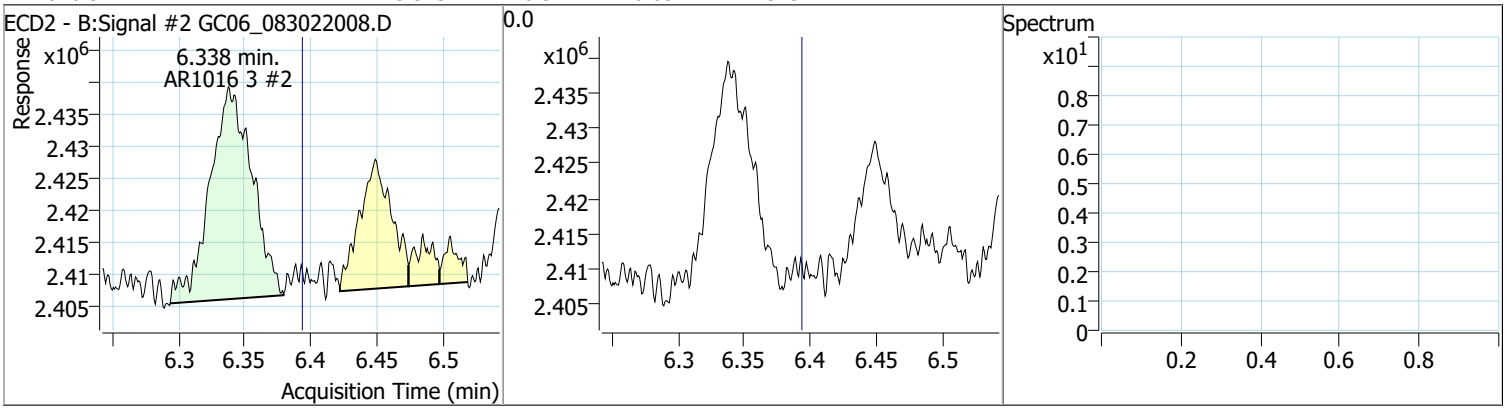
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	18.2298	5.89	-0.02	189206				



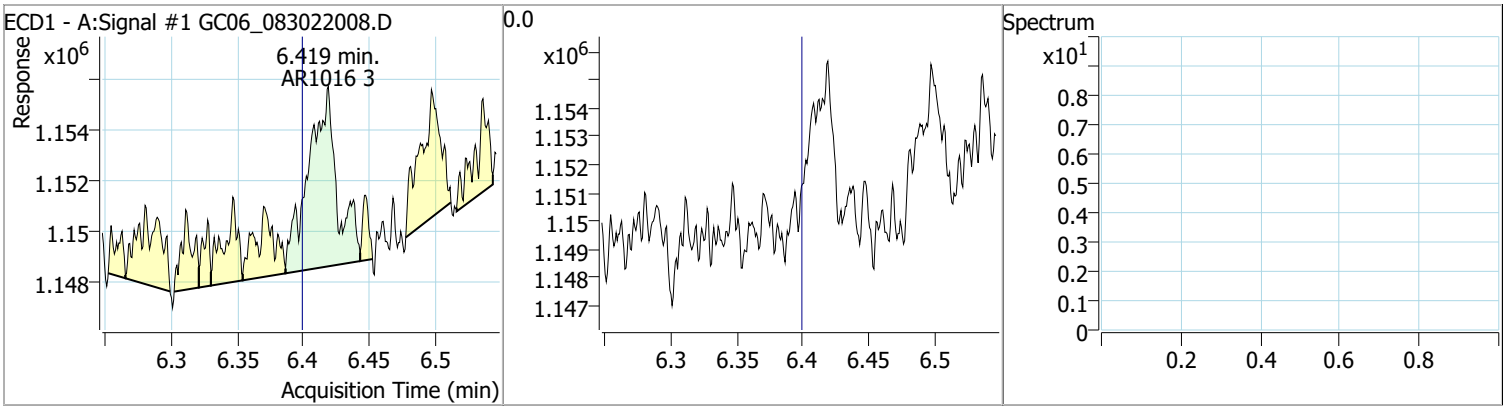
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	2.2933	5.87	-0.05	5885				



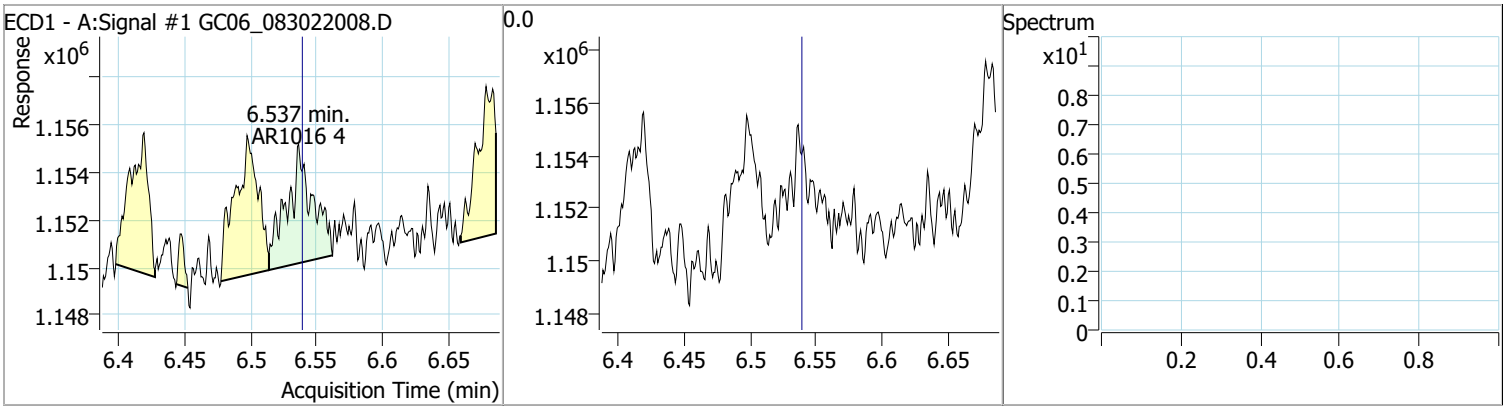
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	5.3432	6.34	-0.05	73137				



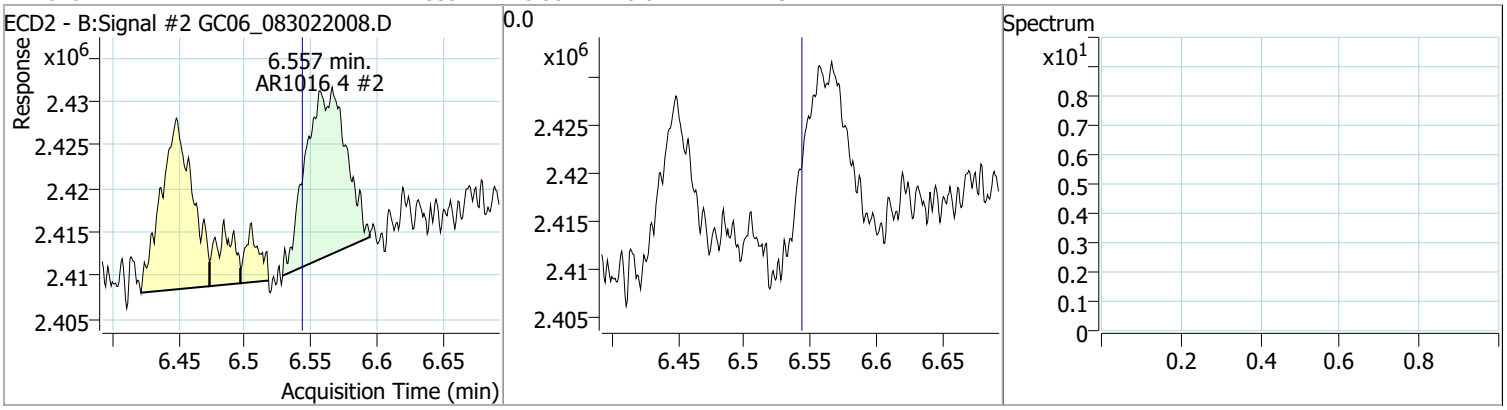
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	3.5752	6.42	0.02	10798				



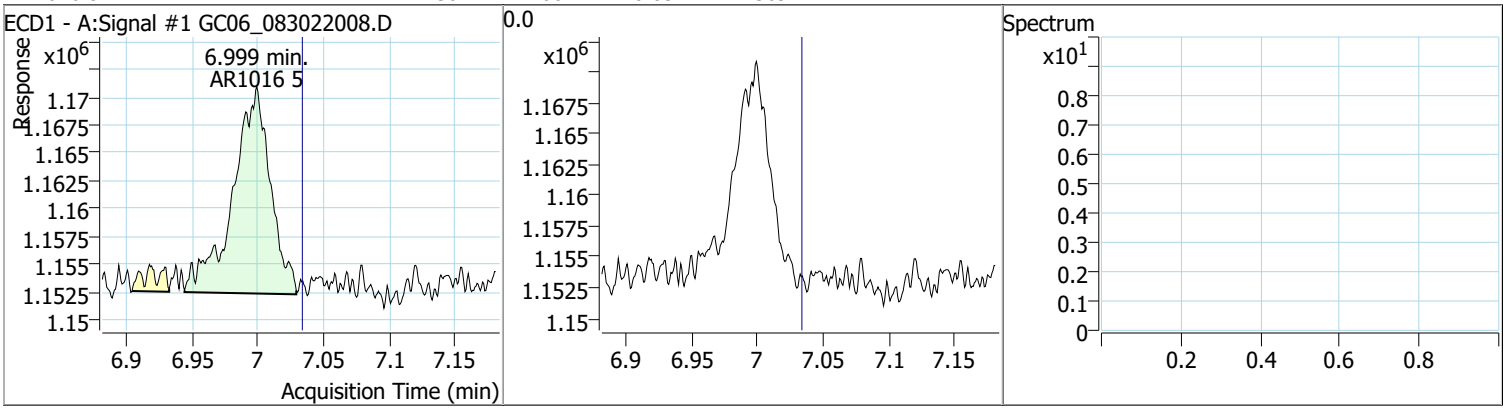
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	3.0261	6.54	0.00	6840				



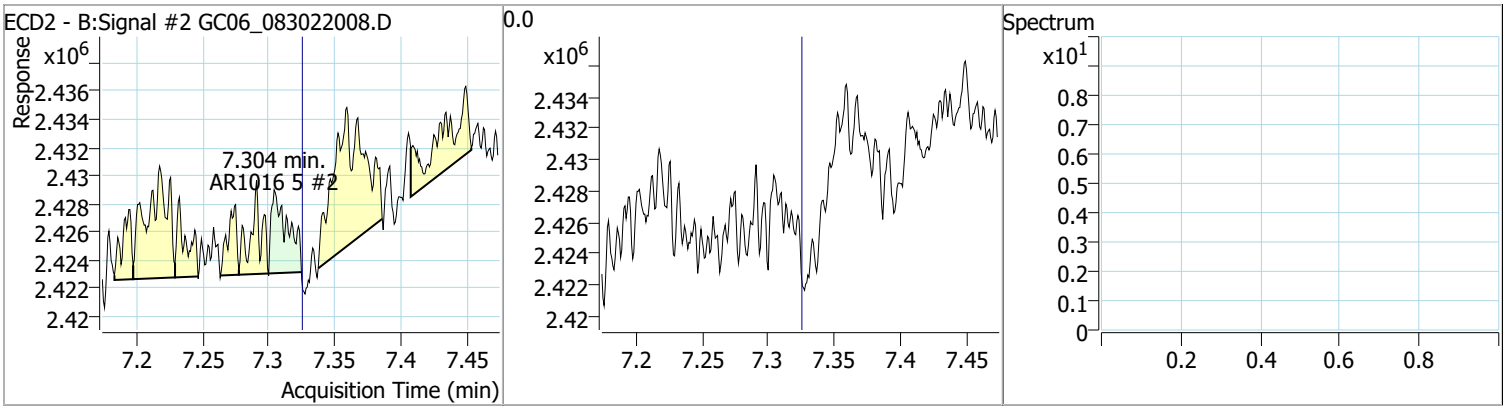
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	4.4555	6.56	0.02	41374				



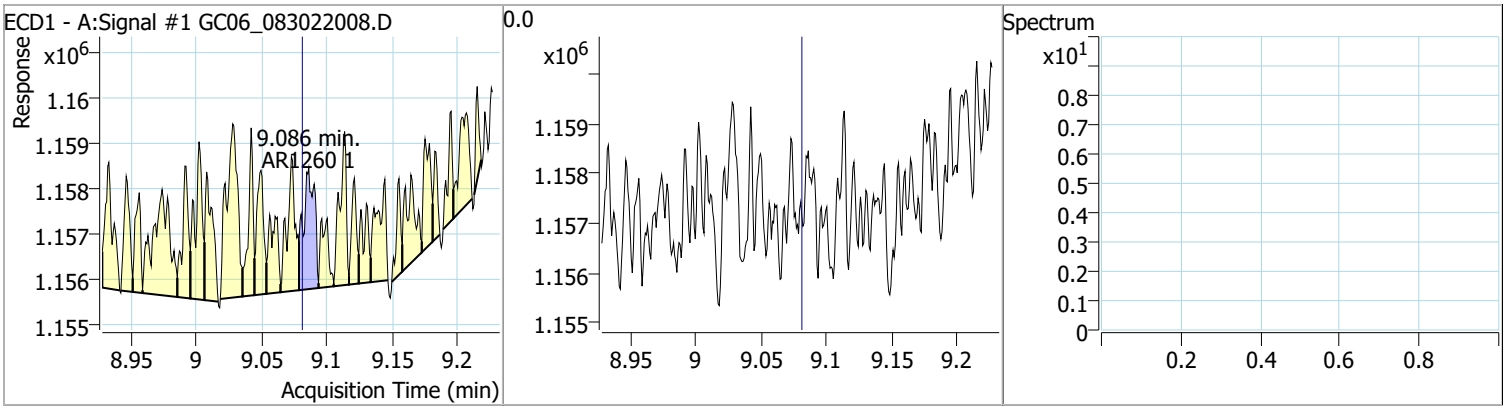
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	21.1301	7.00	-0.03	36944				



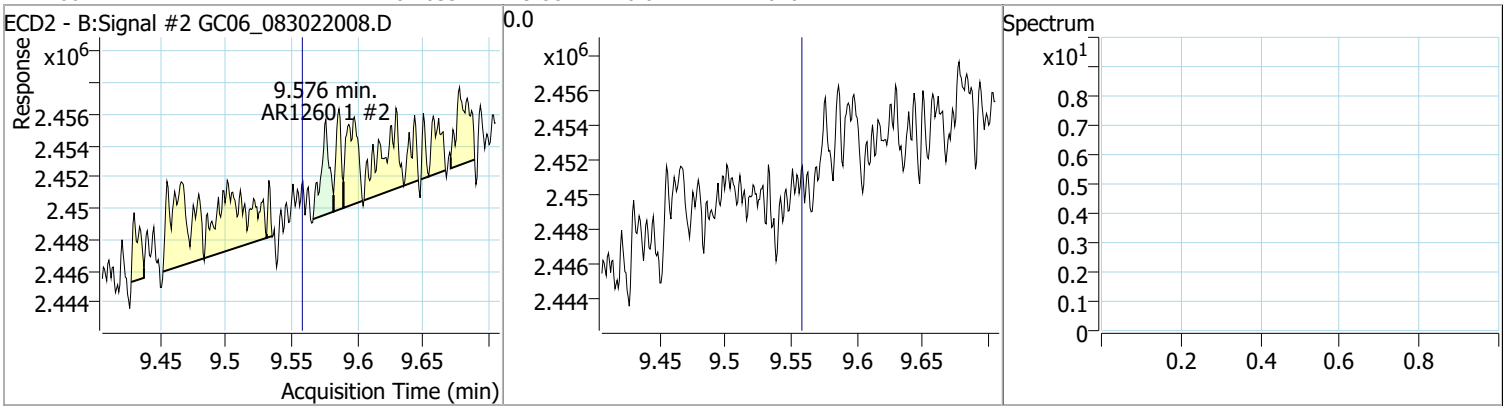
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.7022	7.30	-0.02	5098				



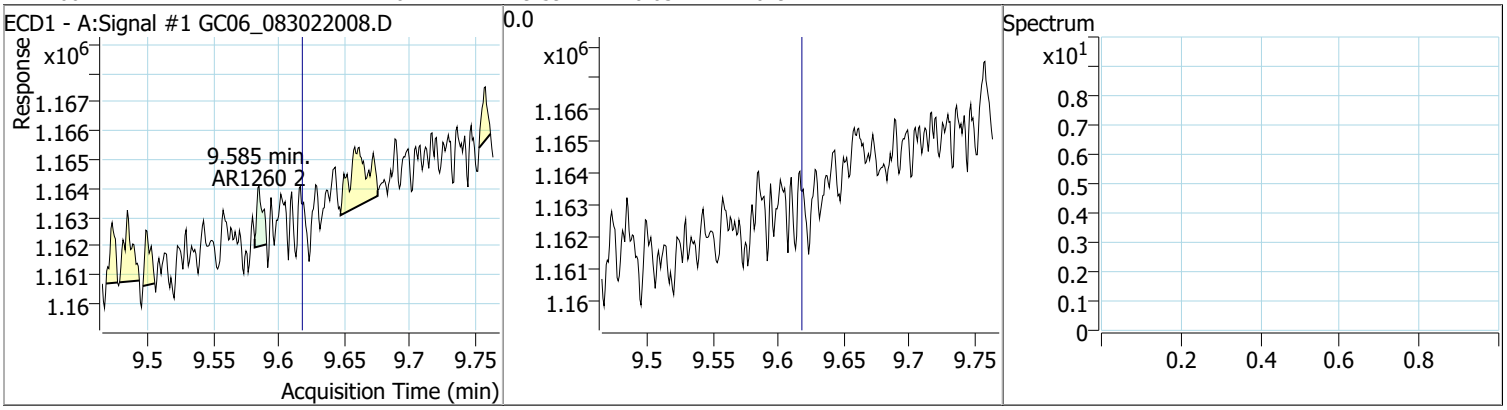
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	0.4254	9.09	0.01	1613				



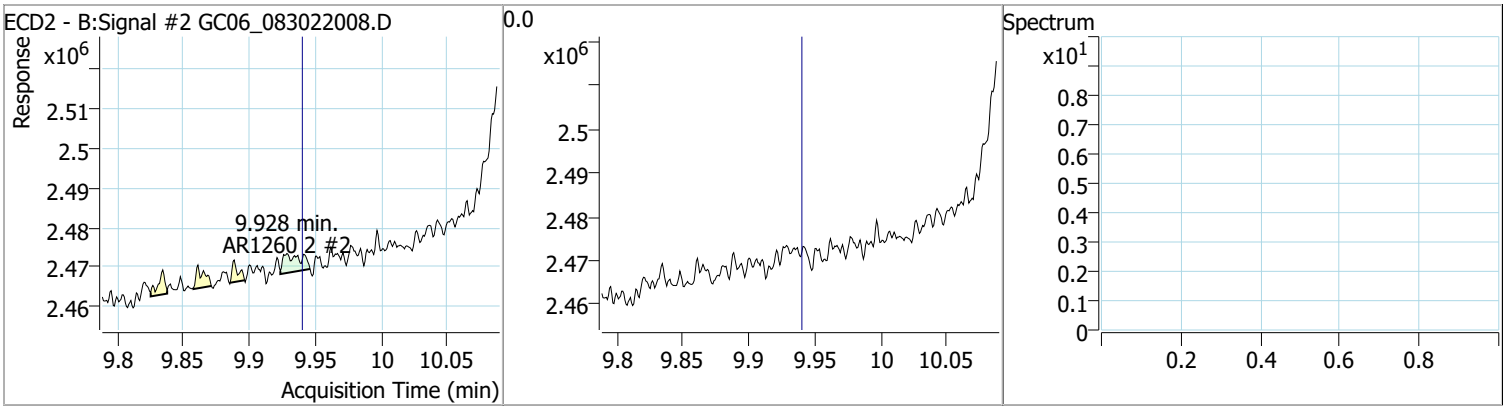
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.1633	9.58	0.02	2640				



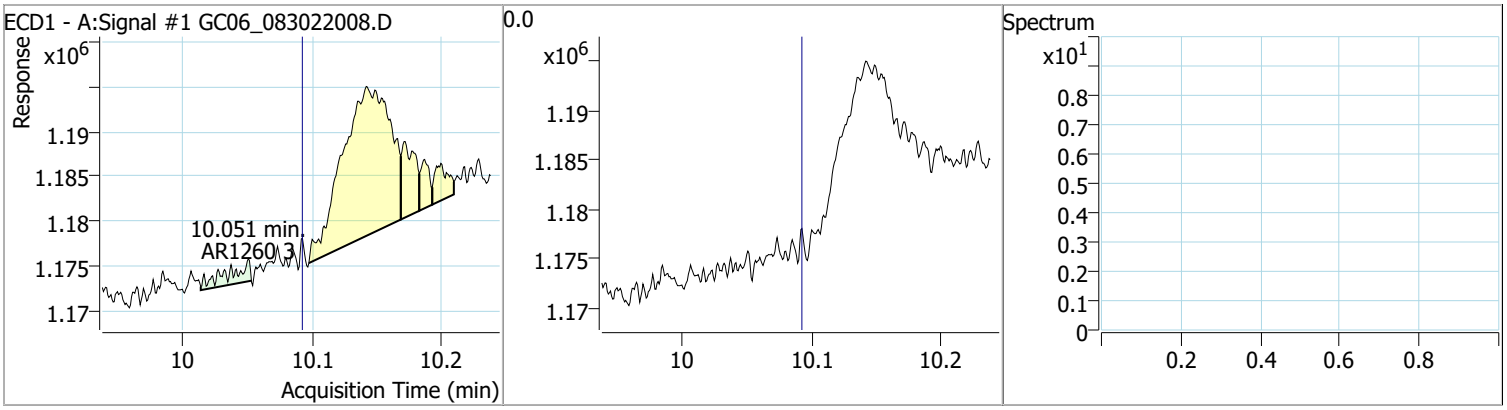
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.1112	9.59	-0.03	649				



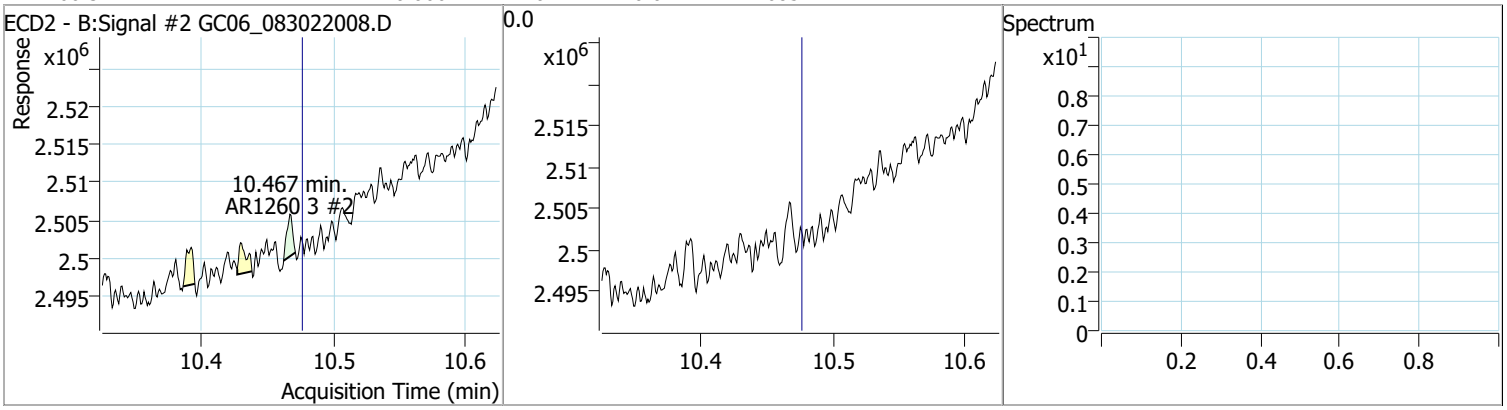
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.2349	9.93	-0.01	4387				



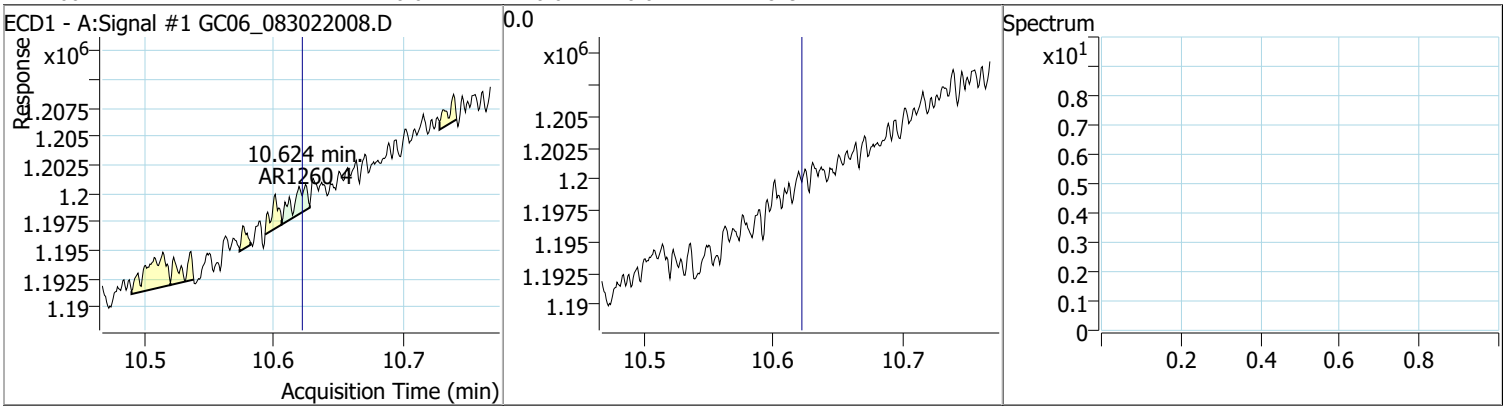
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.4634	10.05	-0.04	2813				



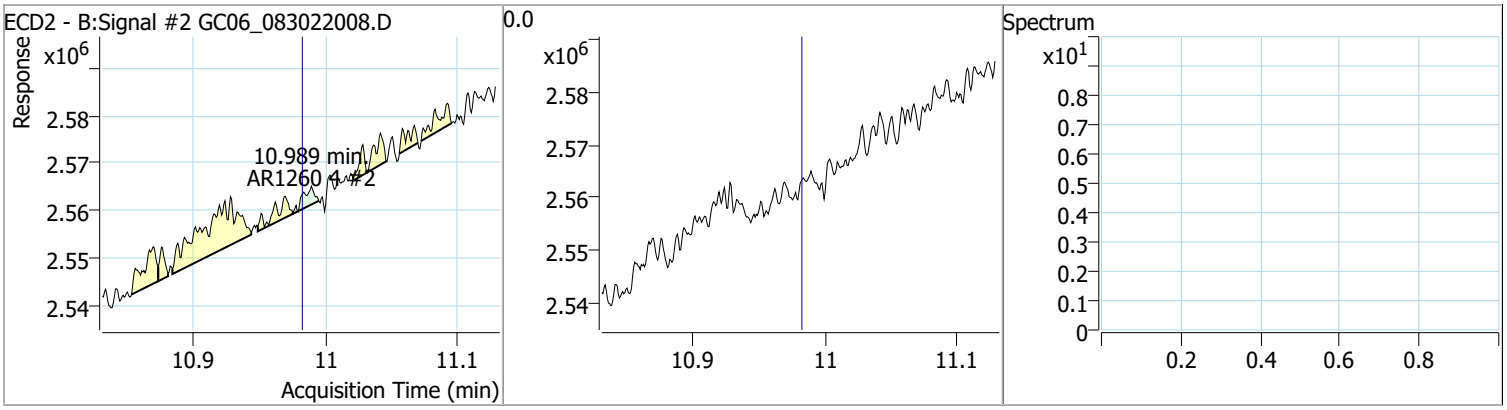
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	0.0664	10.47	-0.01	1685				



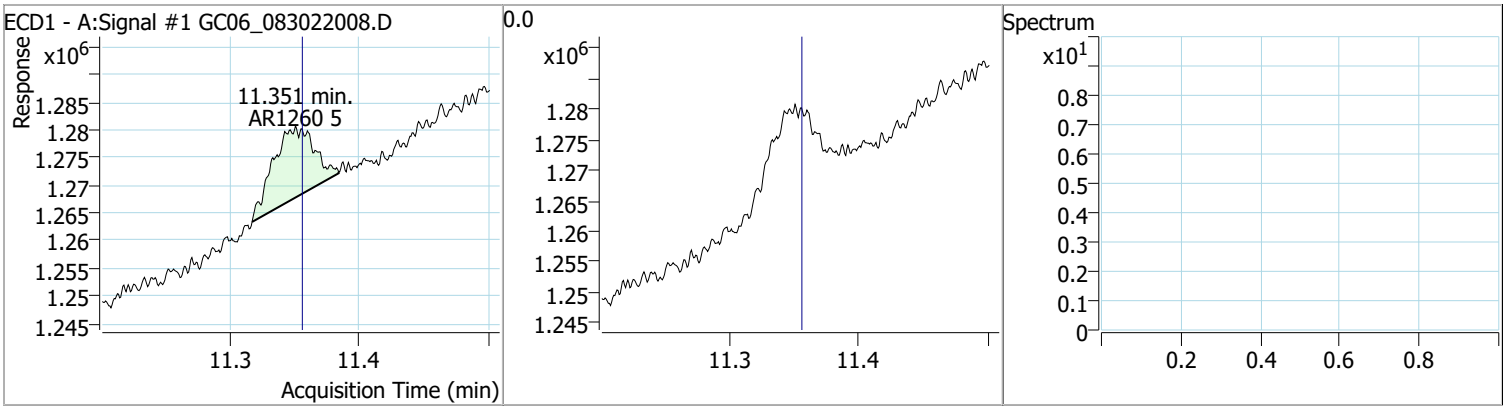
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	0.6221	10.62	0.01	1879				



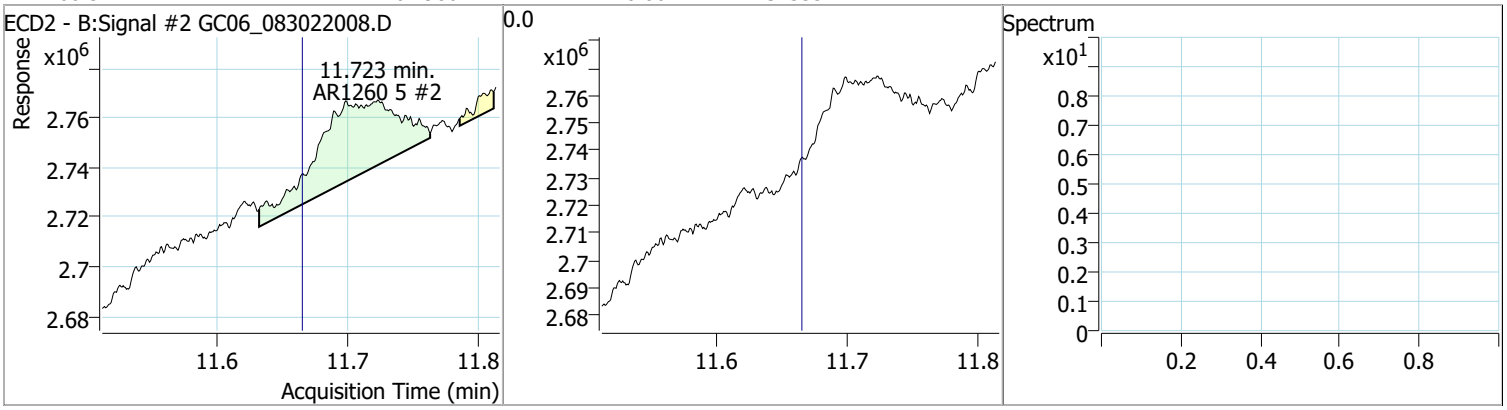
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.1684	10.99	0.01	2312				



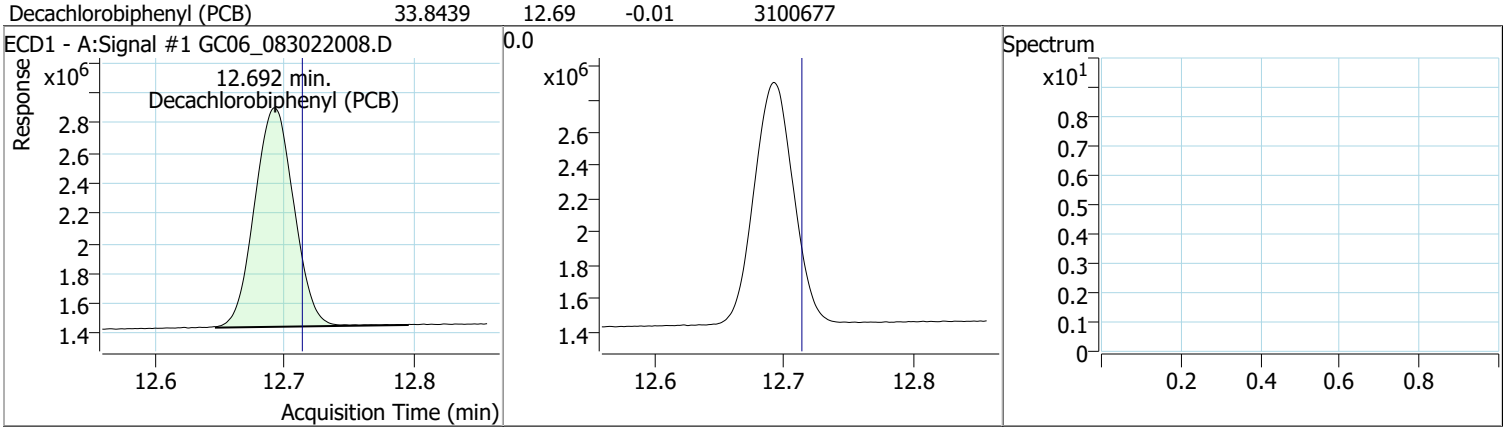
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	7.1076	11.35	0.00	28406				



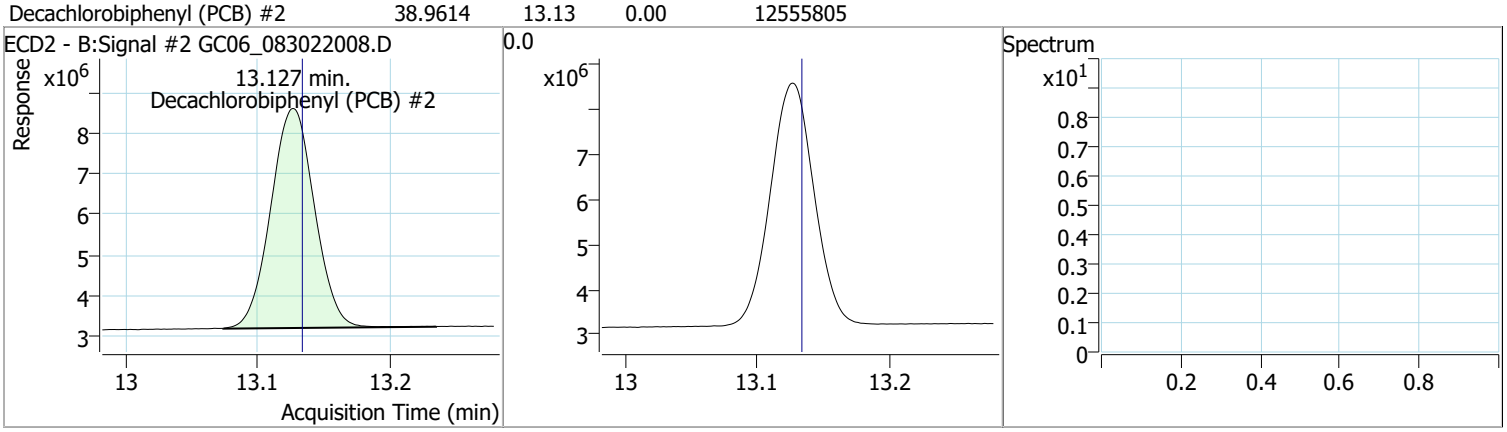
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	6.4986	11.72	0.06	131555				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	33.8439	12.69	-0.01	3100677				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	38.9614	13.13	0.00	12555805				



ENTHALPY SPIKE USER REPORT FOR 467769 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC06	Inst:	SVOA-GC06
Seqnum:	452343556014.5	Seqnum:	452343556015.5
File:	gc06_082622014	File:	gc06_082622015
IDF:	1.0	IDF:	1.0
Lab ID:	QC1008495	Lab ID:	QC1008496
Matrix:	Wipe	Matrix:	Wipe
Batch:	295632	Batch:	295632
Time:	26-AUG-2022 17:35	Time:	26-AUG-2022 17:52
Cal:	452150634002	Cal:	452150634002
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	509.5	5.095	A	102	569.0	5.690	A	114	60-140	11	20	u
Aroclor-1016 Peak # 1		538.6	5.386	A		607.5	6.075	A					
Aroclor-1016 Peak # 2		484.2	4.842	A		542.9	5.429	A					
Aroclor-1016 Peak # 3		498.6	4.986	A		562.6	5.626	A					
Aroclor-1016 Peak # 4		461.8	4.618	A		509.5	5.095	A					
Aroclor-1016 Peak # 5		564.3	5.643	A		622.7	6.227	A					
Aroclor-1260	5.000	564.8	5.648	A	113	616.1	6.161	A	123	60-140	9	20	u
Aroclor-1260 Peak # 1		558.8	5.588	A		608.5	6.085	A					
Aroclor-1260 Peak # 2		540.2	5.402	A		587.3	5.873	A					
Aroclor-1260 Peak # 3		541.4	5.414	A		588.0	5.880	A					
Aroclor-1260 Peak # 4		620.0	6.200	A		676.5	6.765	A					
Aroclor-1260 Peak # 5		563.6	5.636	A		620.2	6.202	A					
Surrogates													
TCMX (PCB)	0.5000	41.28	0.4128	A	83	48.65	0.4865	A	97	52-186			c+ u
Decachlorobiphenyl (PCB)	0.5000	39.59	0.3959	A	79	43.82	0.4382	A	88	60-140			u

ISTD (CCV gc06_082622002)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	9631063	17.19
1-bromo-2-nitrobenzene (PCB)	A	1919479	1765534	-8.02

ISTD (CCV gc06_082622002)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

ISTD (CCV gc06_082622002)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	8789073	6.94
1-bromo-2-nitrobenzene (PCB)	A	1919479	1599891	-16.65

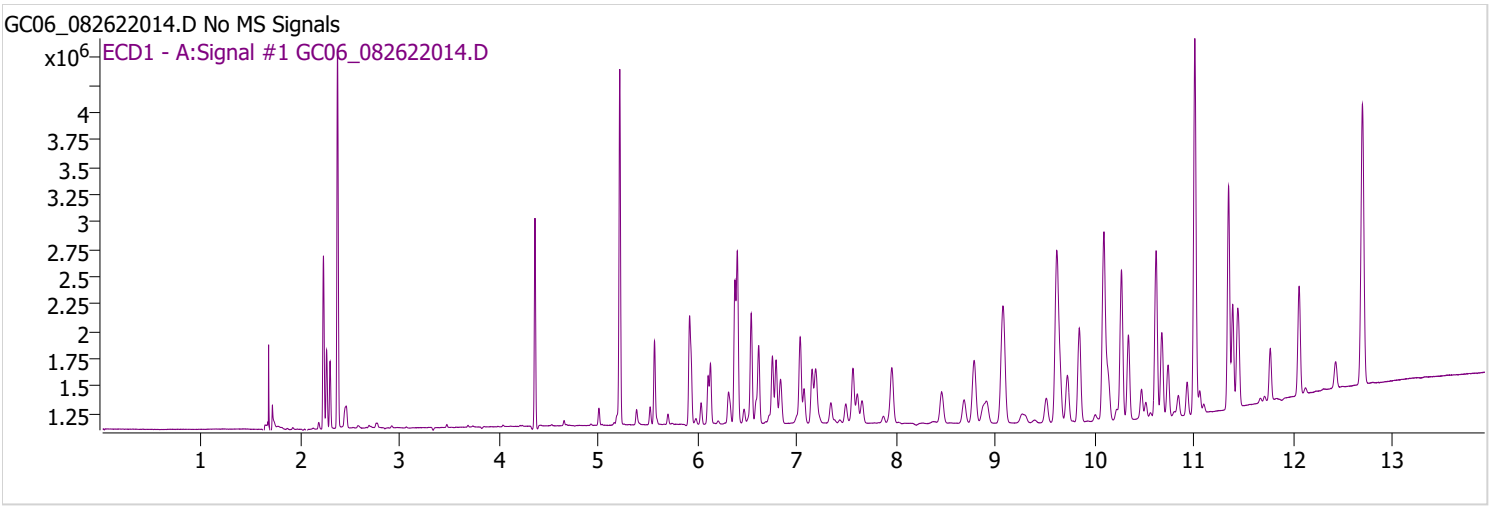
ISTD (CCV gc06_082622002)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

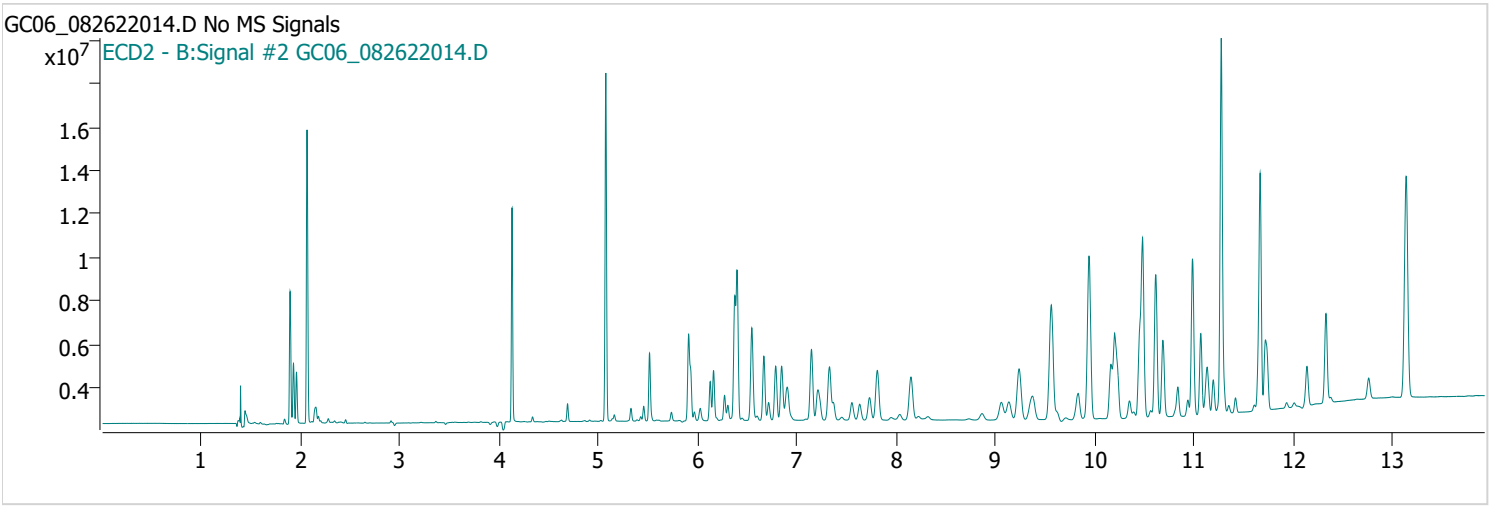
Analyst: TRN 08/30/22

Reviewer: LW 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622014.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 5:35:08 PM
Sample Name	QC1008495, 295632, 1	Instrument	SVOA-GC06
Vial	4	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



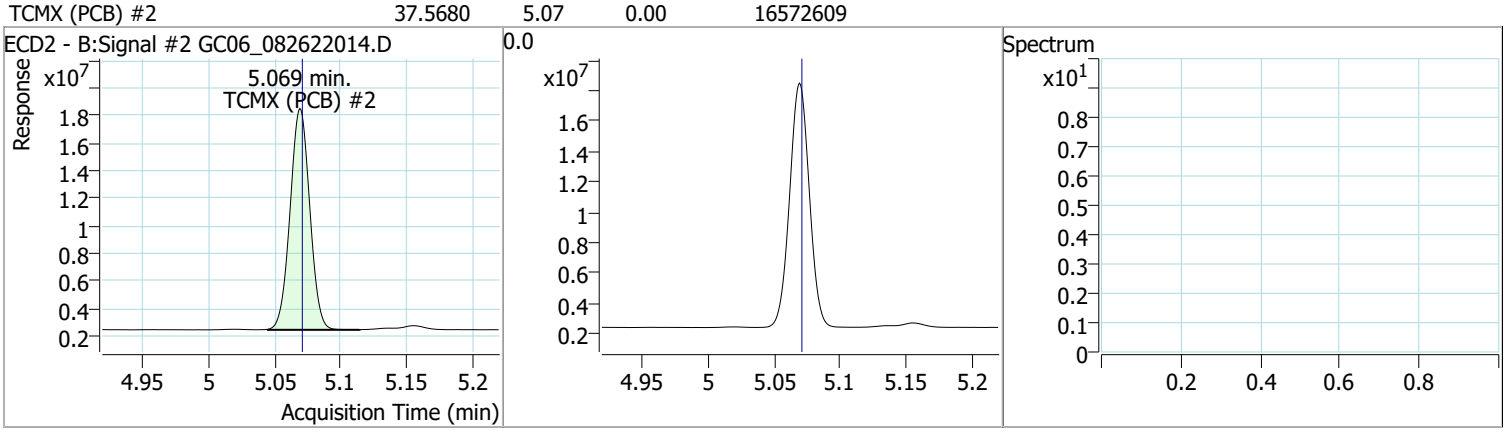


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	9631063.152	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.356	0.0	1765533.699	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB) #2	5.069	0.0	16572609.397	37.5680	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.84%		*	
S TCMX (PCB)	5.210	0.0	3504580.148	41.2678	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 206.34%		*	
S Decachlorobiphenyl (PCB)	12.692	0.0	5312976.198	39.5779	ng/ml		-0.014
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.89%		*	
S Decachlorobiphenyl (PCB) #2	13.132	0.0	24087905.970	41.4481	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 207.24%		*	
Target Compounds							QValue

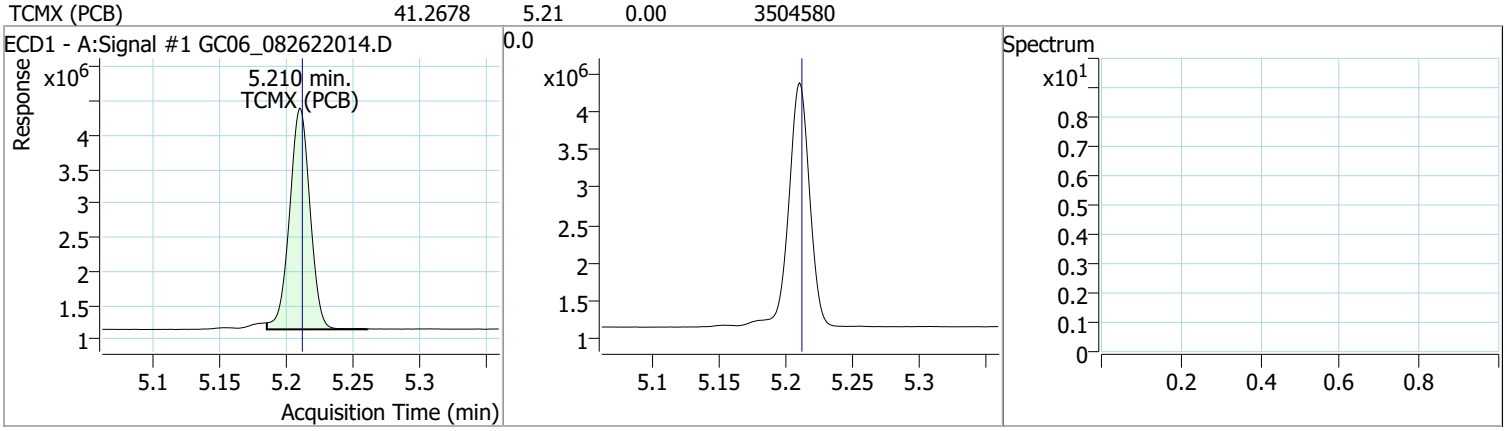
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.510	0.0	3869584.295	429.0387	ng/ml	100
T AR1016 1	5.560	0.0	929923.463	538.4610	ng/ml	100
T AR1016 2 #2	5.904	0.0	8080851.288	431.7368	ng/ml	100
T AR1016 2	5.913	0.0	1820497.686	484.1328	ng/ml	100
T AR1016 3 #2	6.391	0.0	18214273.353	737.8952	ng/ml	100
T AR1016 3	6.394	0.0	2206021.922	498.4762	ng/ml	100
T AR1016 4	6.534	0.0	1528983.389	461.6779	ng/ml	100
T AR1016 4 #2	6.540	0.0	7417663.176	442.9372	ng/ml	100
T AR1016 5	7.028	0.0	1445345.082	564.1860	ng/ml	100
T AR1016 5 #2	7.323	0.0	6870461.744	524.7490	ng/ml	100
T AR1260 1	9.070	0.0	3104121.667	558.6772	ng/ml	100
T AR1260 1 #2	9.558	0.0	15479625.352	531.0463	ng/ml	100
T AR1260 2	9.613	0.0	4621590.742	540.0415	ng/ml	100
T AR1260 2 #2	9.937	0.0	17321625.376	514.2831	ng/ml	100
T AR1260 3	10.088	0.0	4815126.341	541.2412	ng/ml	100
T AR1260 3 #2	10.477	0.0	22290490.139	487.1206	ng/ml	100
T AR1260 4	10.613	0.0	2742550.812	619.8571	ng/ml	100
T AR1260 4 #2	10.980	0.0	12991874.333	524.6834	ng/ml	100
T AR1260 5	11.343	0.0	3299314.236	563.4124	ng/ml	100
T AR1260 5 #2	11.661	0.0	19613140.163	537.2508	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

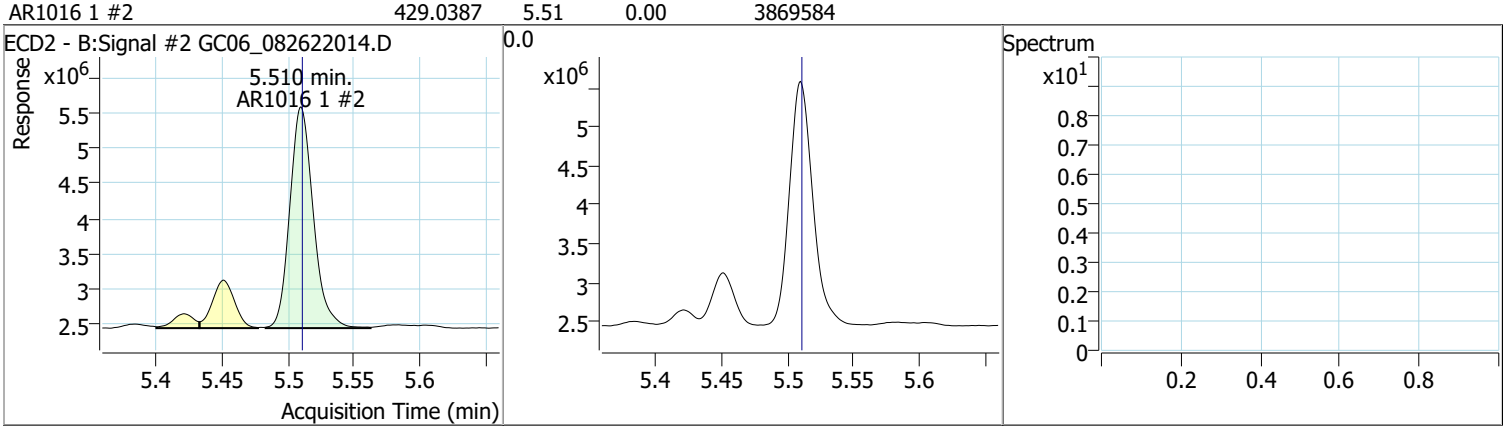
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.5680	5.07	0.00	16572609				



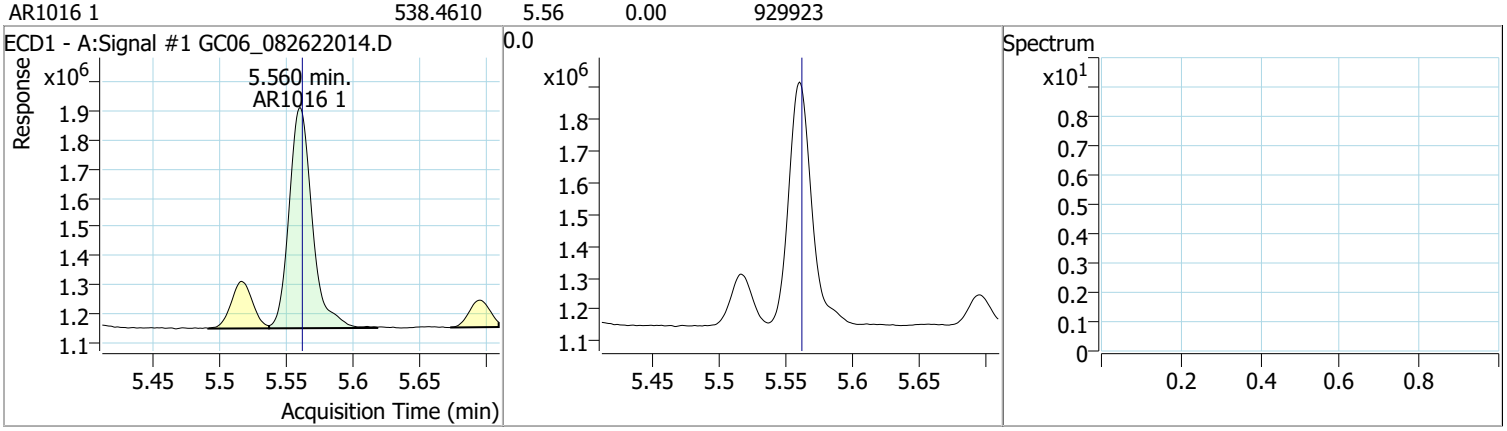
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	41.2678	5.21	0.00	3504580				



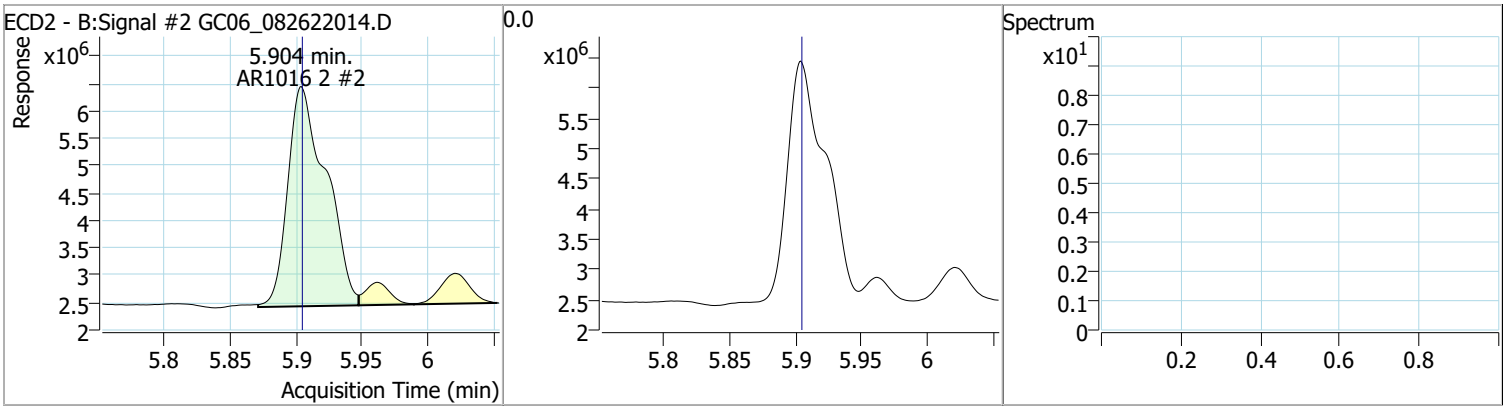
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	429.0387	5.51	0.00	3869584				



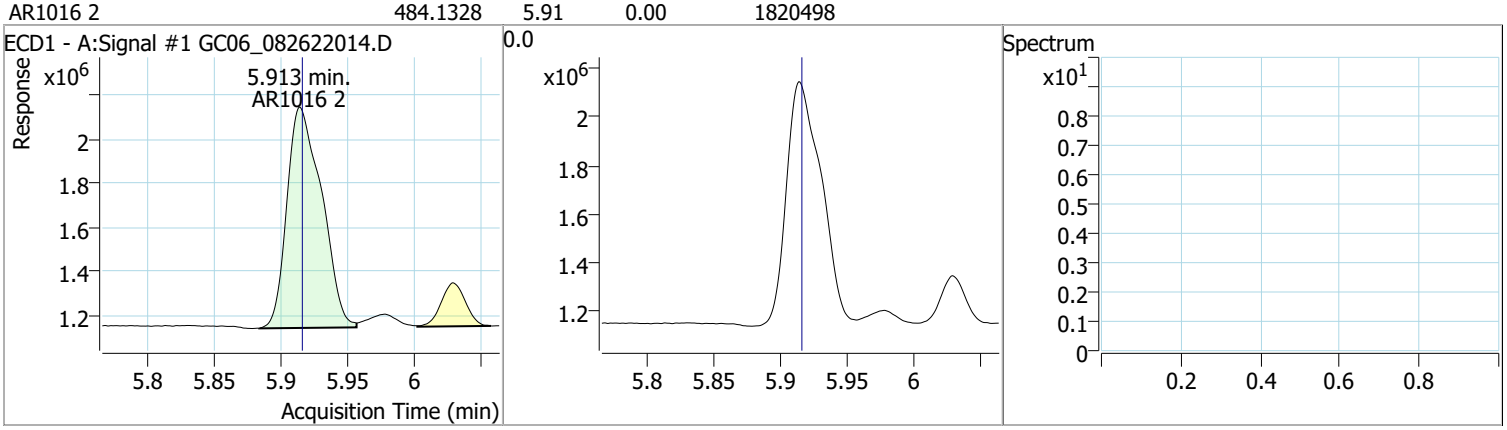
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	538.4610	5.56	0.00	929923				



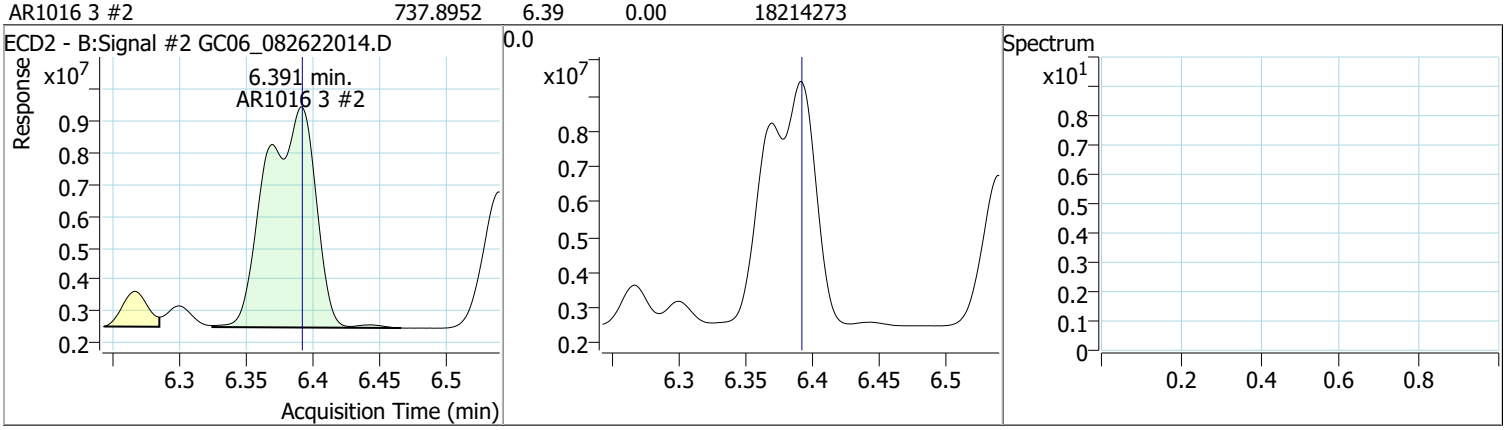
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	431.7368	5.90	0.00	8080851				



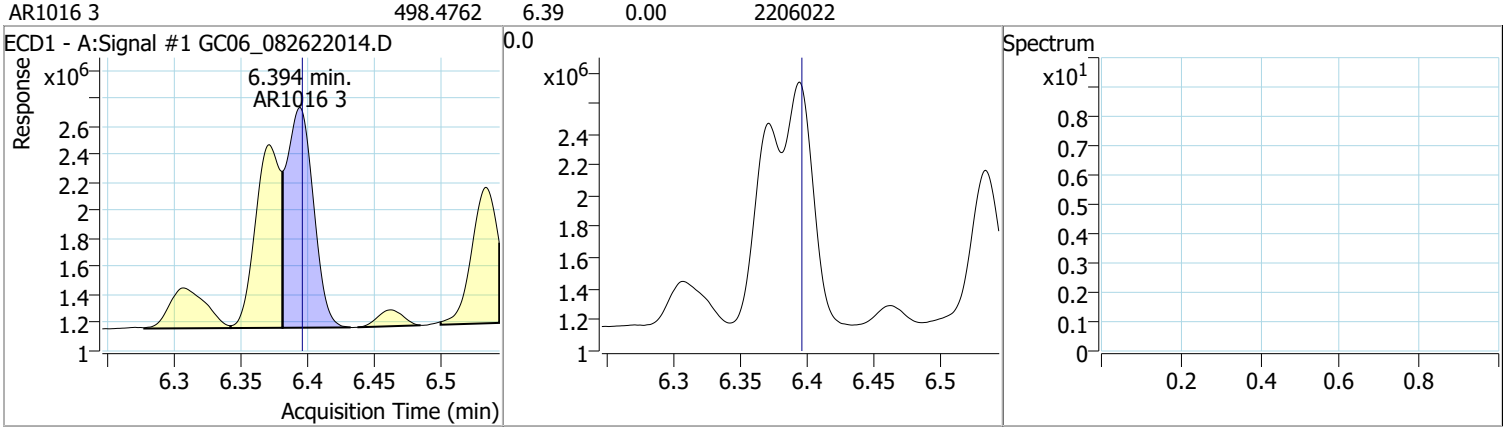
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	484.1328	5.91	0.00	1820498				



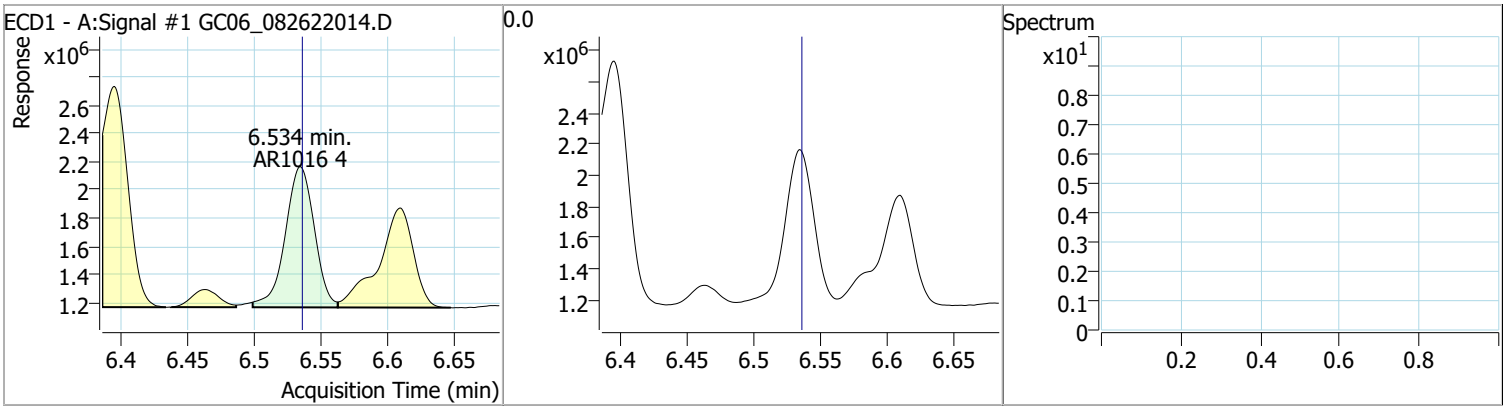
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	737.8952	6.39	0.00	18214273				



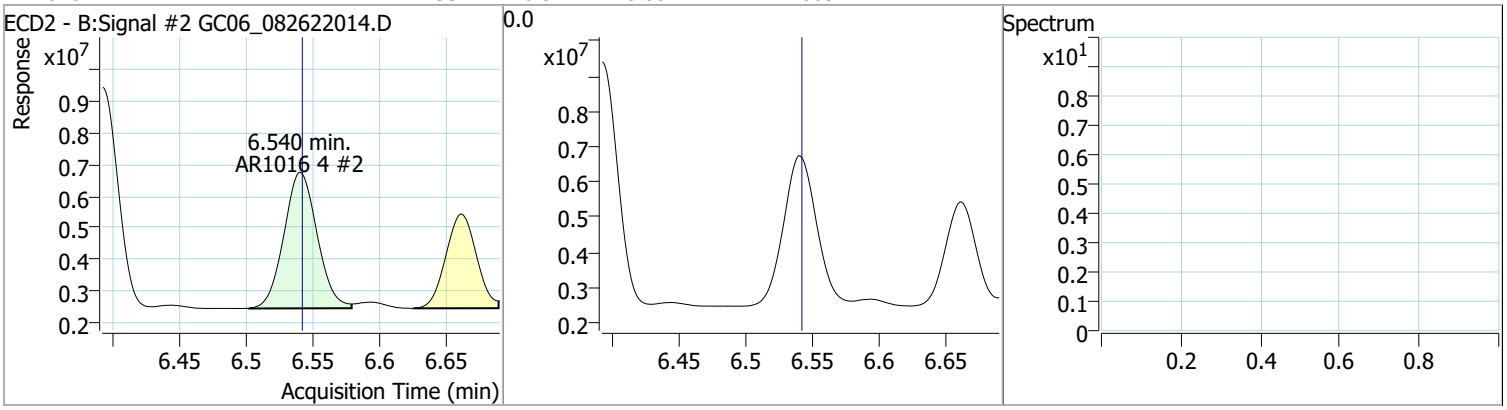
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	498.4762	6.39	0.00	2206022				



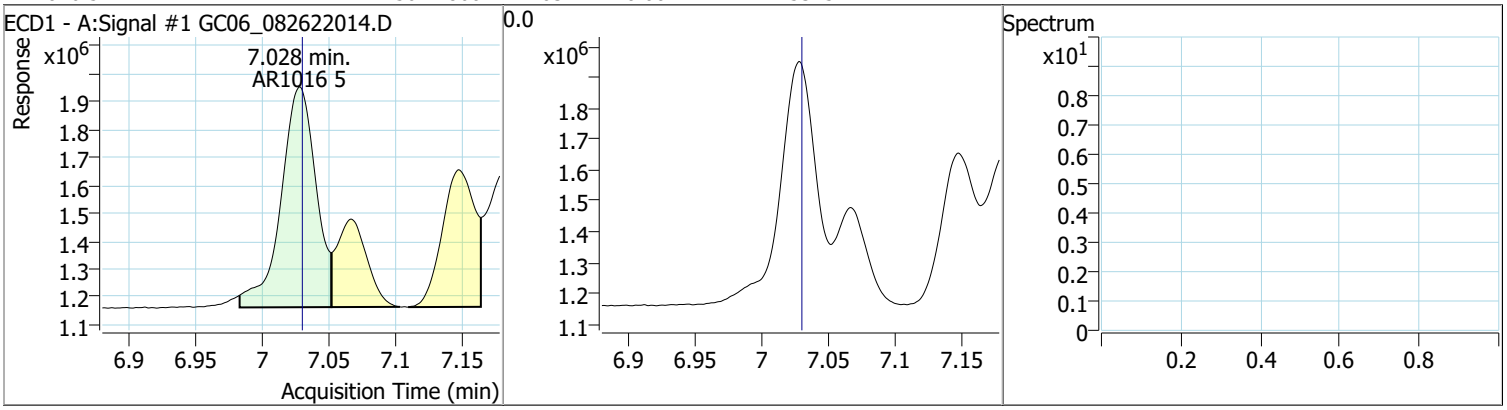
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	461.6779	6.53	0.00	1528983				



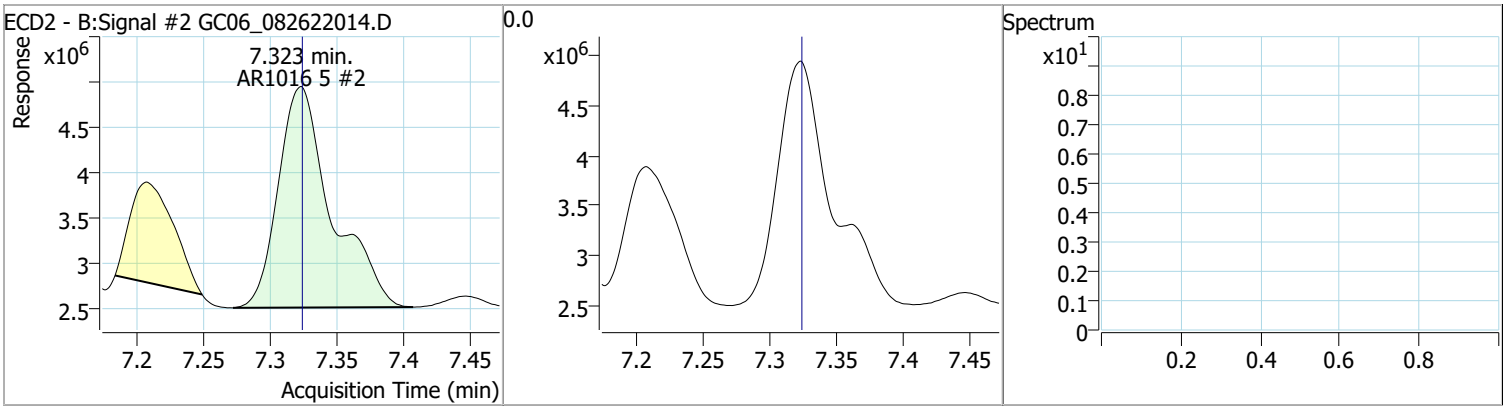
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	442.9372	6.54	0.00	7417663				



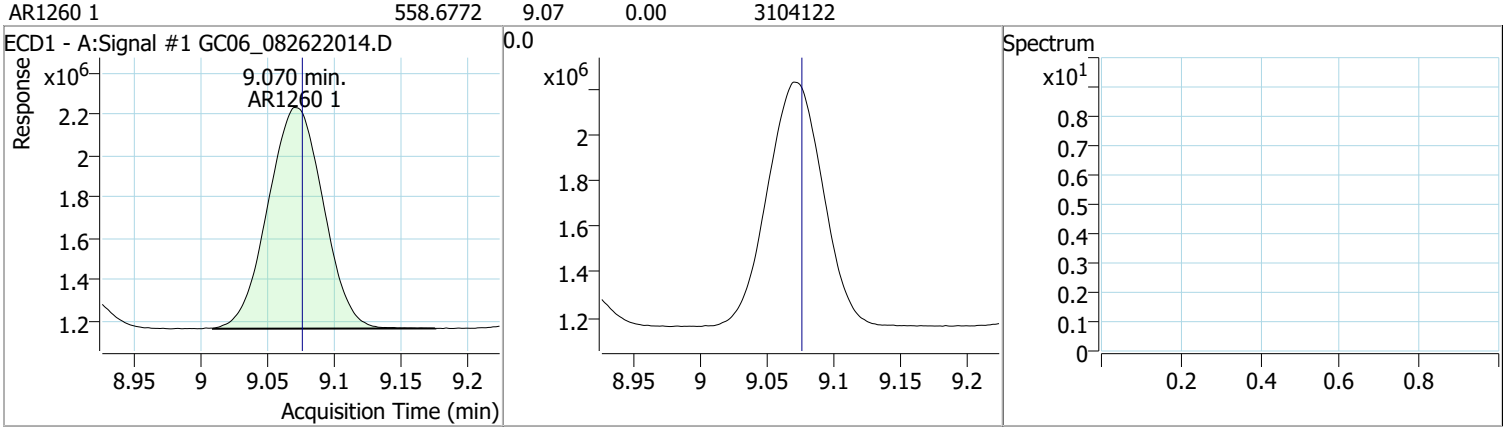
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	564.1860	7.03	0.00	1445345				



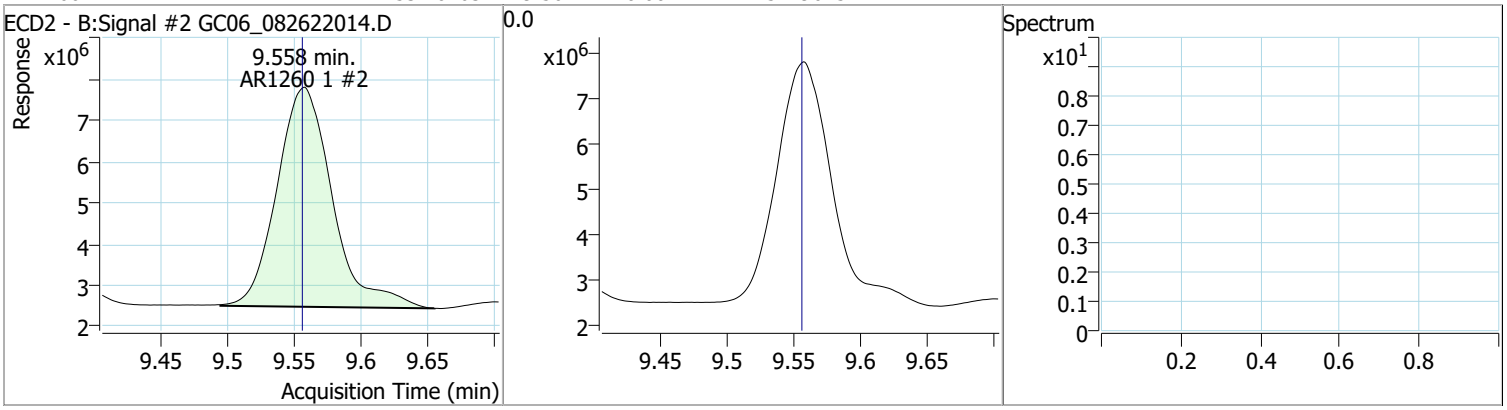
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	524.7490	7.32	0.00	6870462				



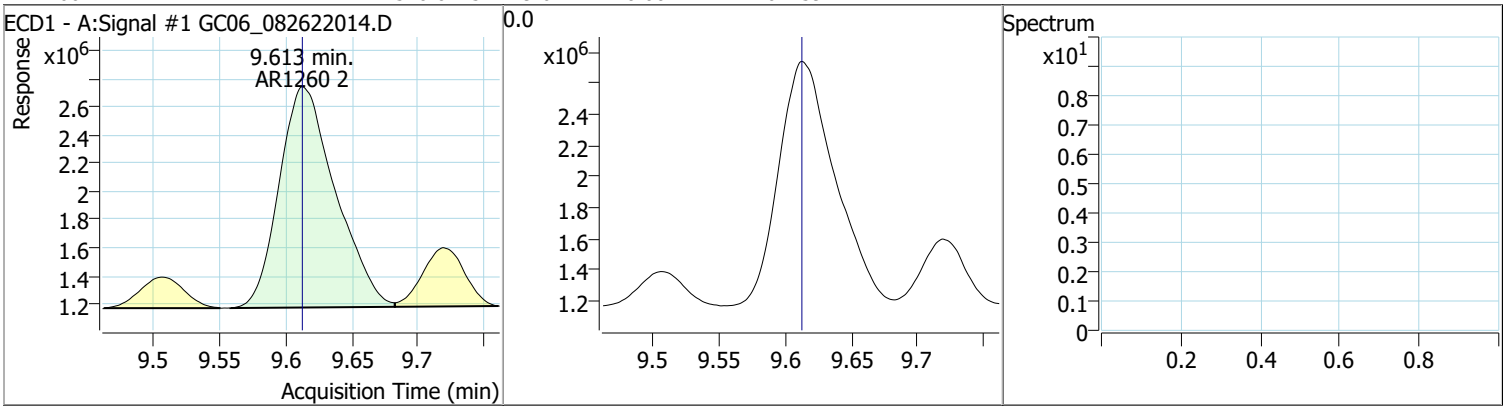
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	558.6772	9.07	0.00	3104122				



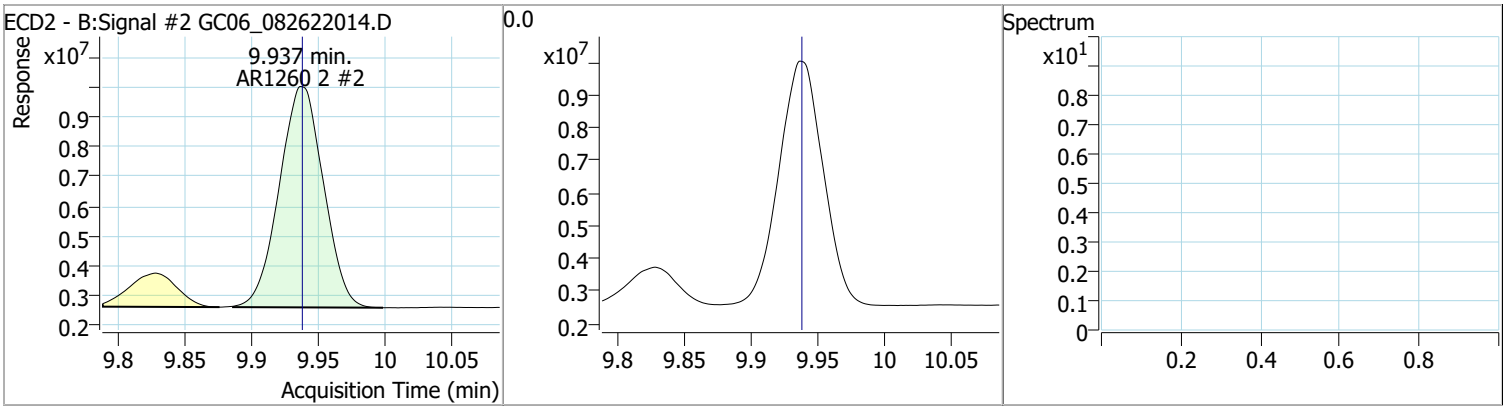
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	531.0463	9.56	0.00	15479625				



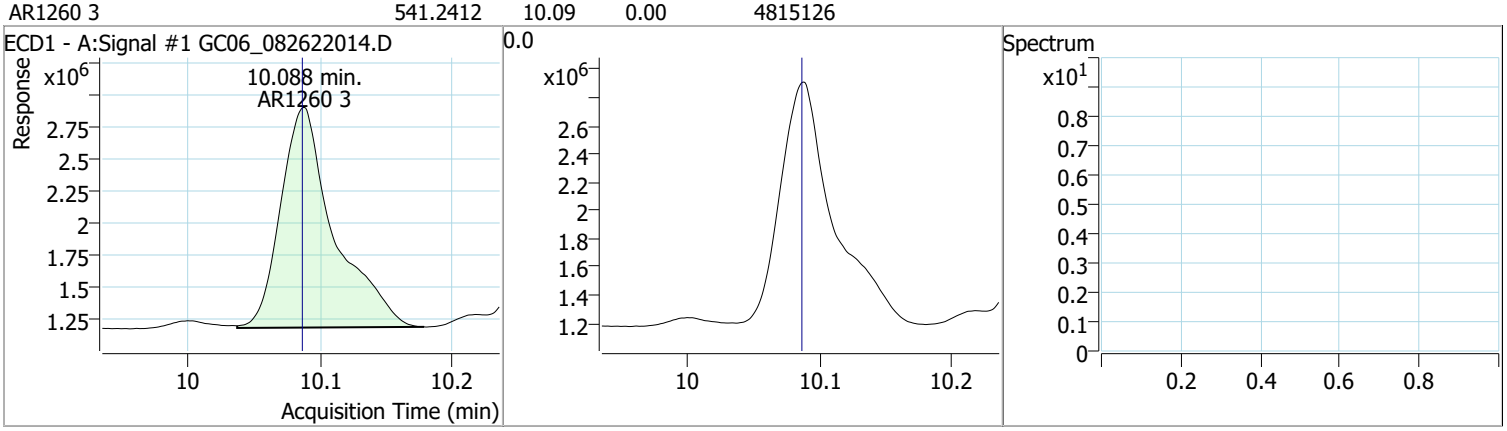
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	540.0415	9.61	0.00	4621591				



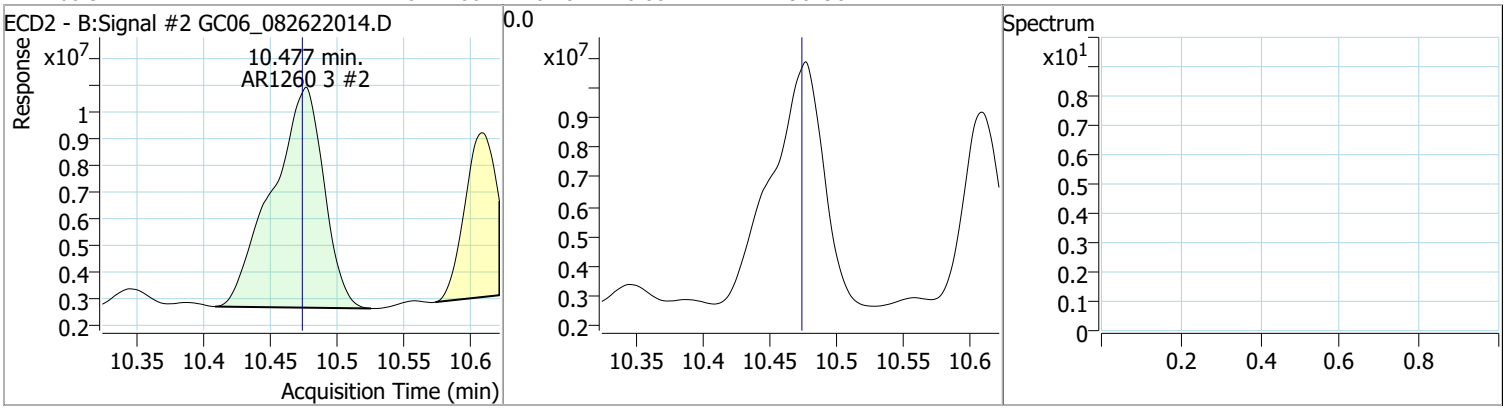
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	514.2831	9.94	0.00	17321625				



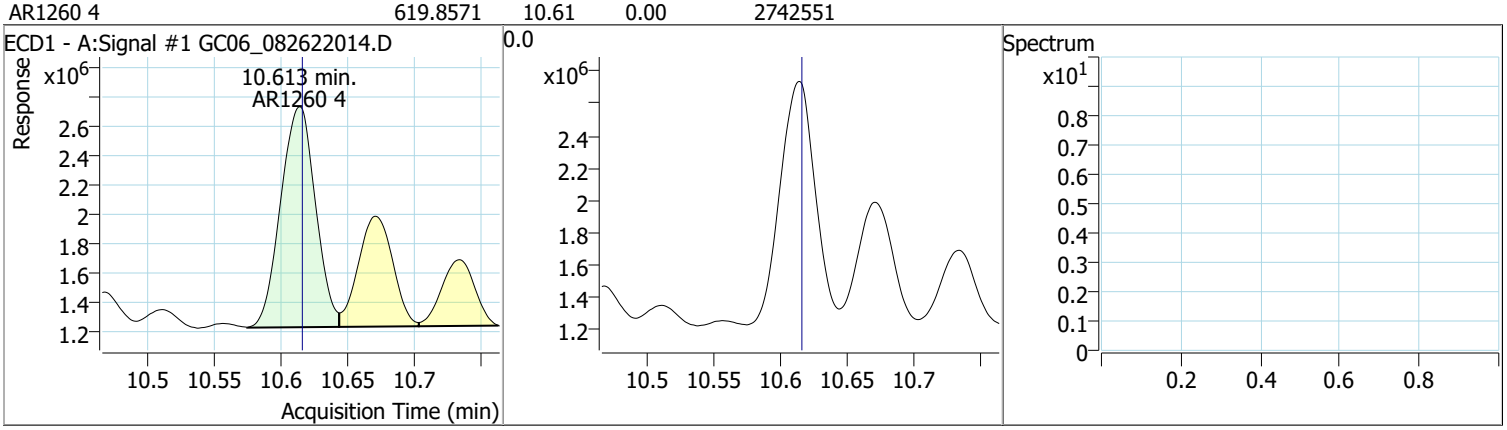
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	541.2412	10.09	0.00	4815126				



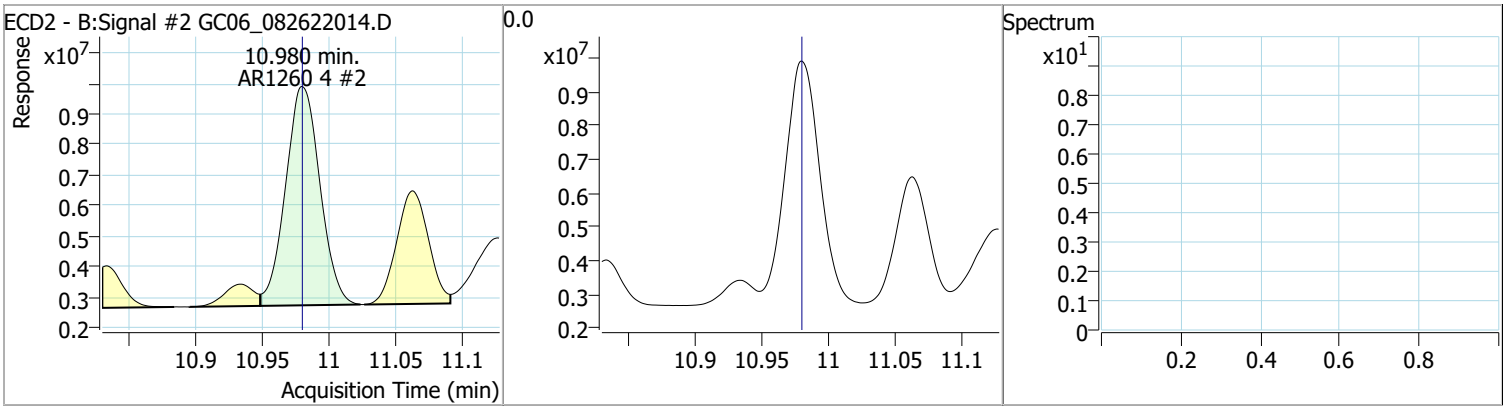
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	487.1206	10.48	0.00	22290490				



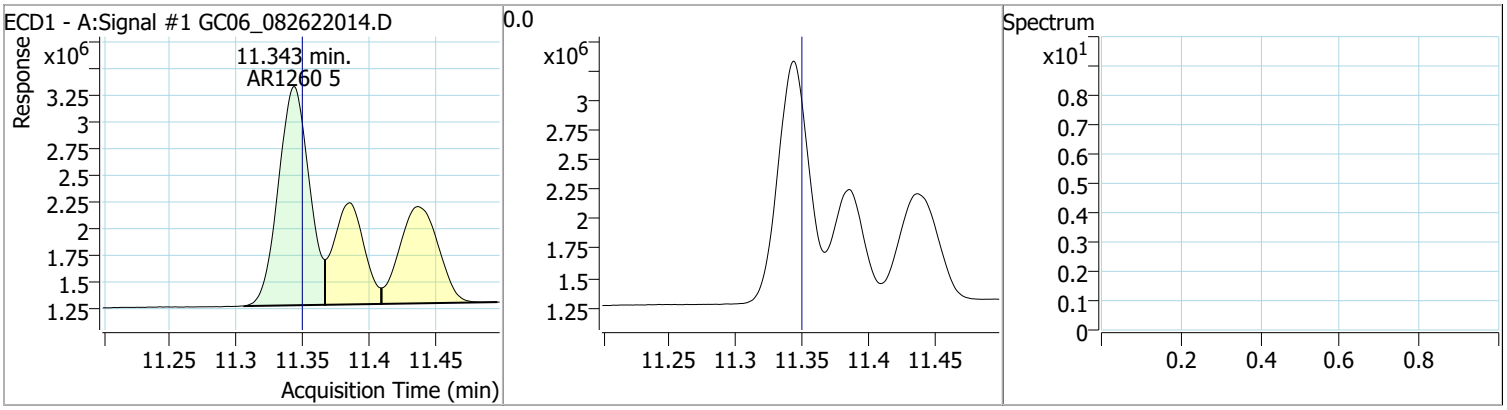
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	619.8571	10.61	0.00	2742551				



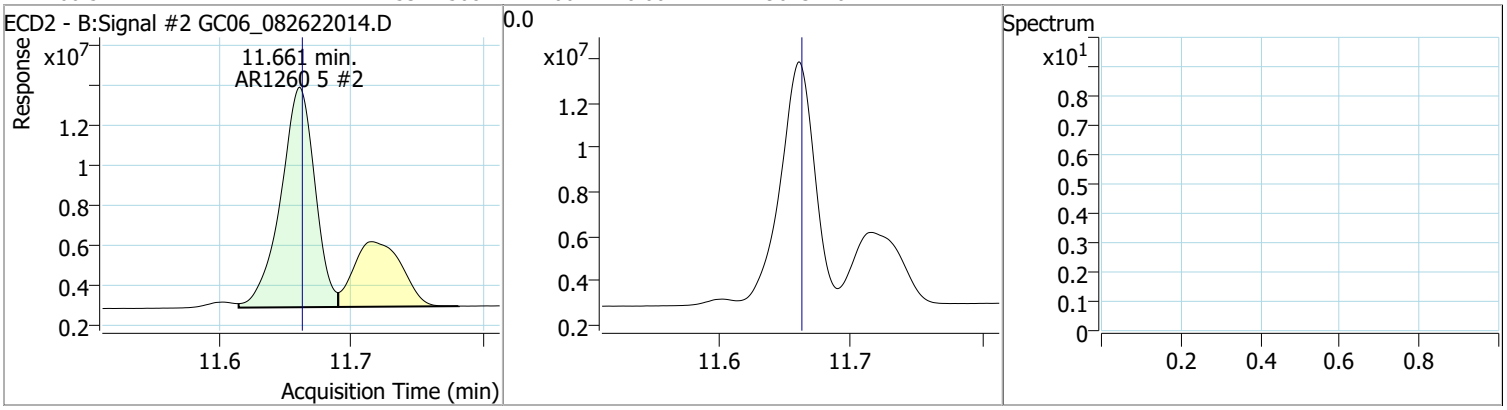
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	524.6834	10.98	0.00	12991874				



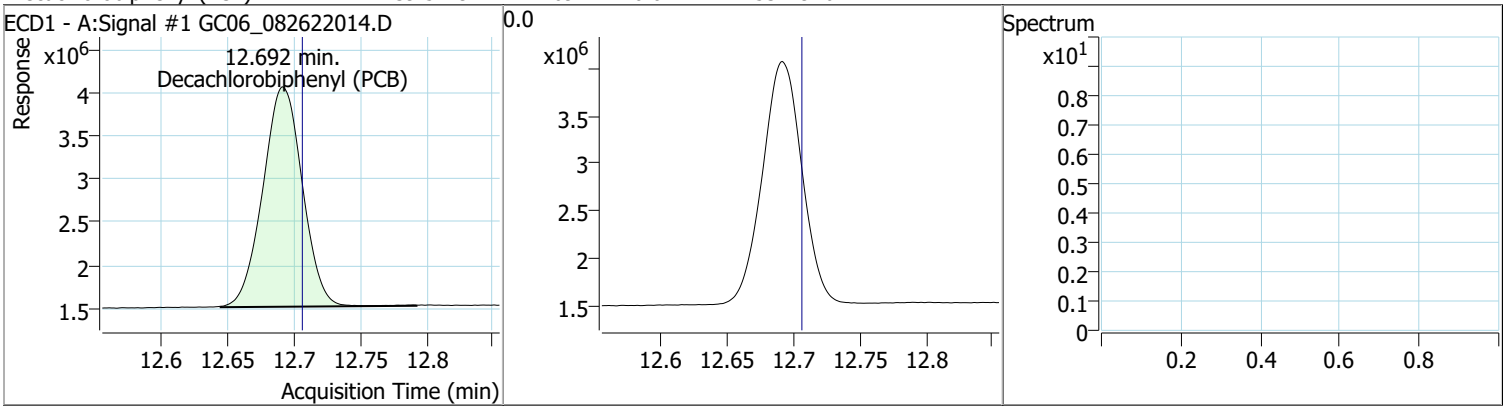
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	563.4124	11.34	-0.01	3299314				



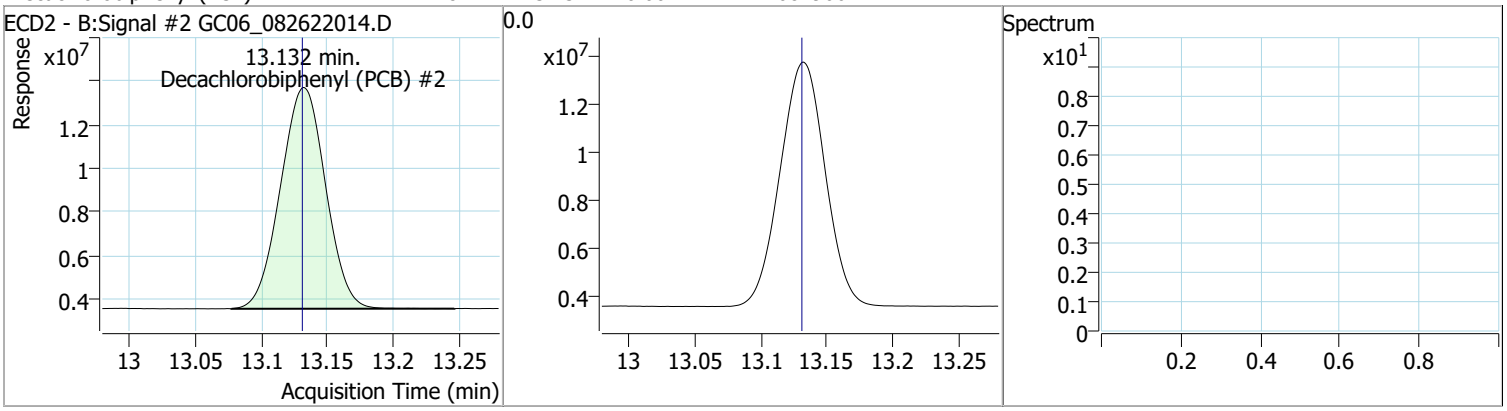
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	537.2508	11.66	0.00	19613140				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.5779	12.69	-0.01	5312976				

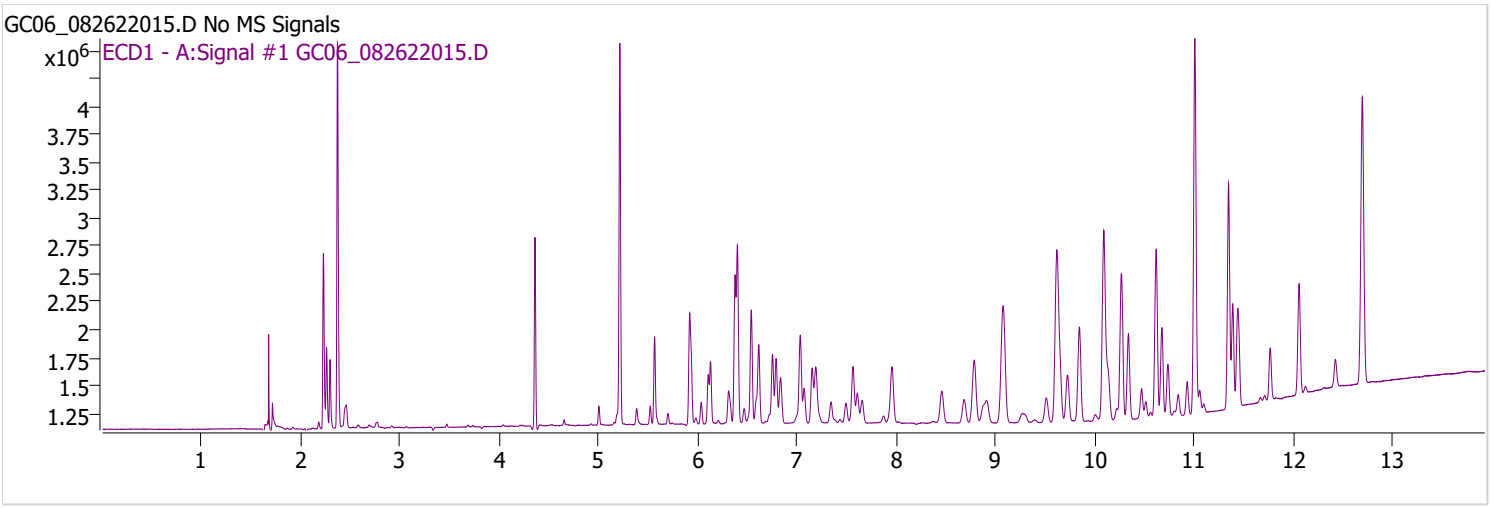


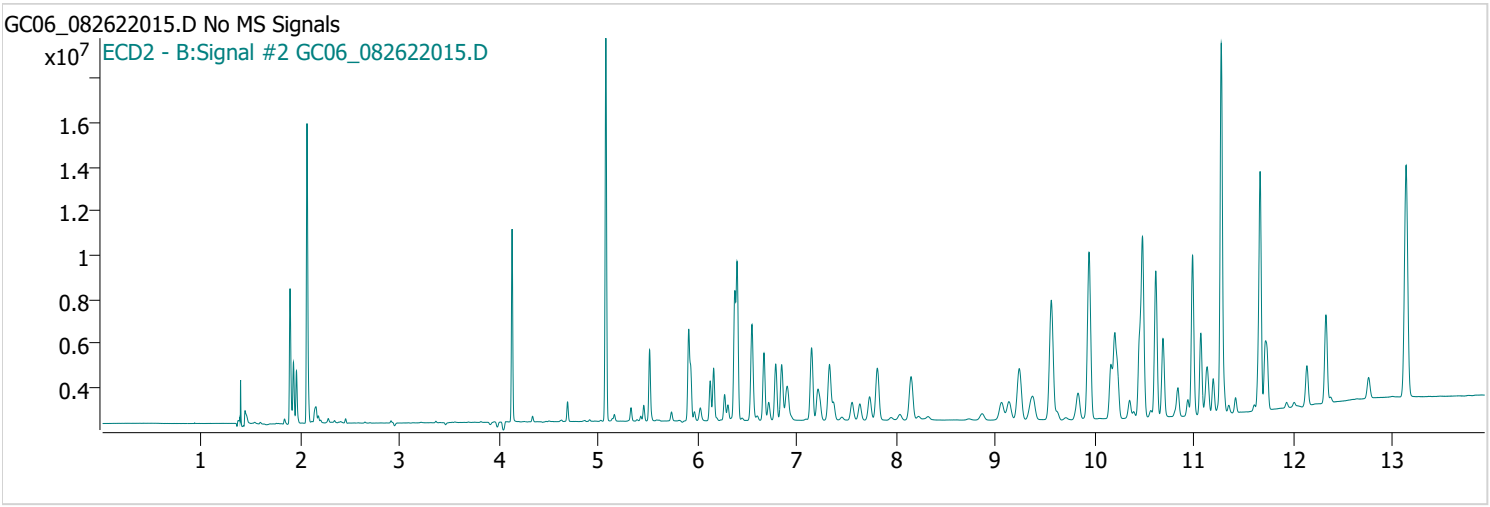
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	41.4481	13.13	0.00	24087906				



Quantitation Results Report (Not Reviewed)

Data File	GC06_082622015.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 5:52:34 PM
Sample Name	QC1008496, 295632, 1	Instrument	SVOA-GC06
Vial	5	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



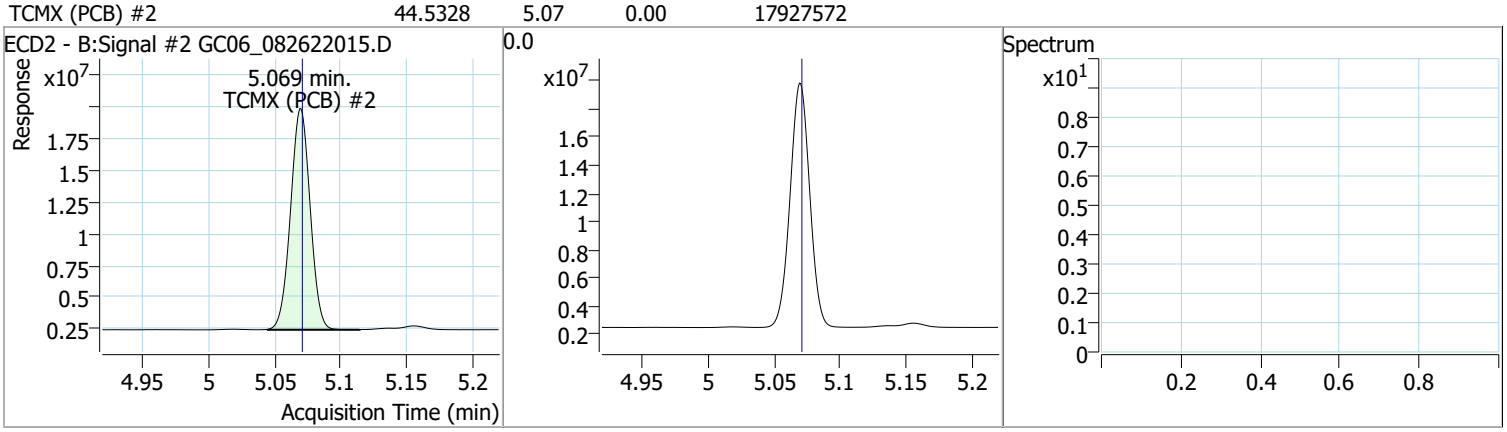


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	8789072.546	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.356	0.0	1599891.303	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB) #2	5.069	0.0	17927572.452	44.5328	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 222.66%		*	
S TCMX (PCB)	5.210	0.0	3743226.316	48.6415	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 243.21%		*	
S Decachlorobiphenyl (PCB)	12.689	0.0	5329331.341	43.8099	ng/ml		-0.017
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 219.05%		*	
S Decachlorobiphenyl (PCB) #2	13.131	0.0	24399310.285	46.0060	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 230.03%		*	
Target Compounds							QValue

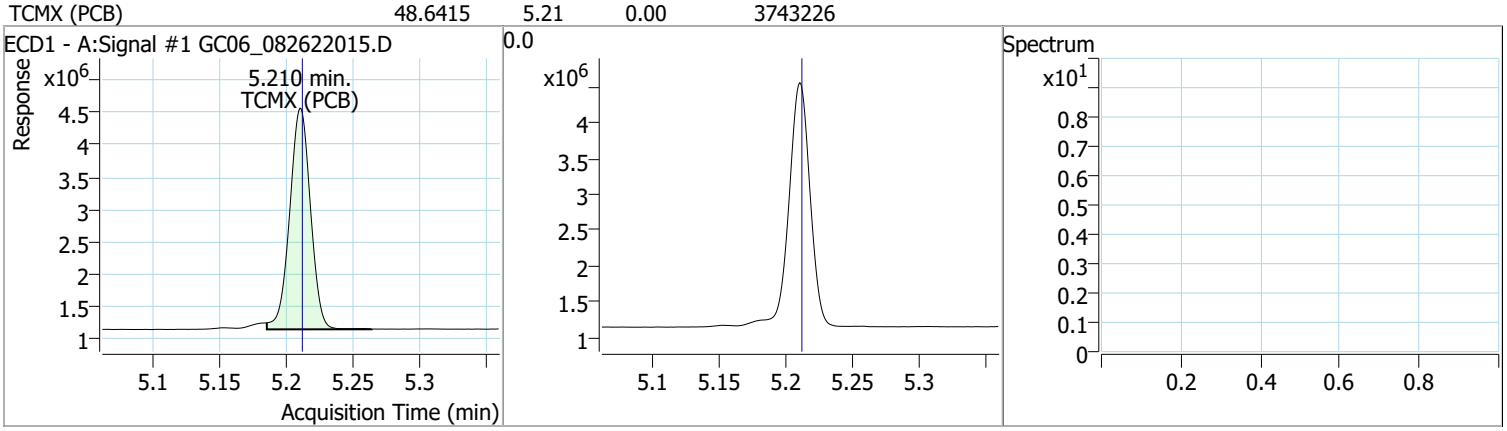
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.510	0.0	3981761.142	483.7696	ng/ml	100
T AR1016 1	5.560	0.0	950438.945	607.3189	ng/ml	100
T AR1016 2 #2	5.904	0.0	8286663.394	485.1464	ng/ml	100
T AR1016 2	5.914	0.0	1849479.153	542.7619	ng/ml	100
T AR1016 3 #2	6.391	0.0	10920221.937	484.7809	ng/ml	100
T AR1016 3	6.394	0.0	2255686.796	562.4694	ng/ml	100
T AR1016 4	6.534	0.0	1528578.074	509.3420	ng/ml	100
T AR1016 4 #2	6.542	0.0	7584949.890	496.3168	ng/ml	100
T AR1016 5	7.028	0.0	1445276.491	622.5686	ng/ml	100
T AR1016 5 #2	7.323	0.0	6916607.736	578.8820	ng/ml	100
T AR1260 1	9.072	0.0	3063010.154	608.3538	ng/ml	100
T AR1260 1 #2	9.557	0.0	15160353.573	569.9181	ng/ml	100
T AR1260 2	9.613	0.0	4553560.054	587.1813	ng/ml	100
T AR1260 2 #2	9.937	0.0	17193819.607	559.3932	ng/ml	100
T AR1260 3	10.086	0.0	4739340.839	587.8773	ng/ml	100
T AR1260 3 #2	10.475	0.0	22181533.135	531.1774	ng/ml	100
T AR1260 4	10.613	0.0	2711785.162	676.3597	ng/ml	100
T AR1260 4 #2	10.980	0.0	12927887.954	572.1163	ng/ml	100
T AR1260 5	11.343	0.0	3290066.240	620.0017	ng/ml	100
T AR1260 5 #2	11.660	0.0	19617131.469	588.8391	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

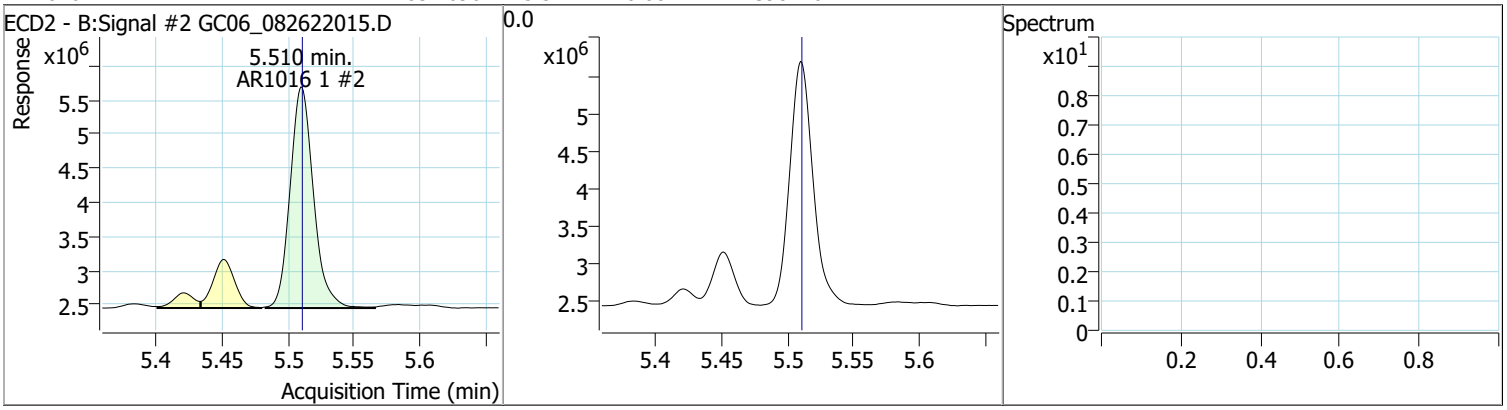
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	44.5328	5.07	0.00	17927572				



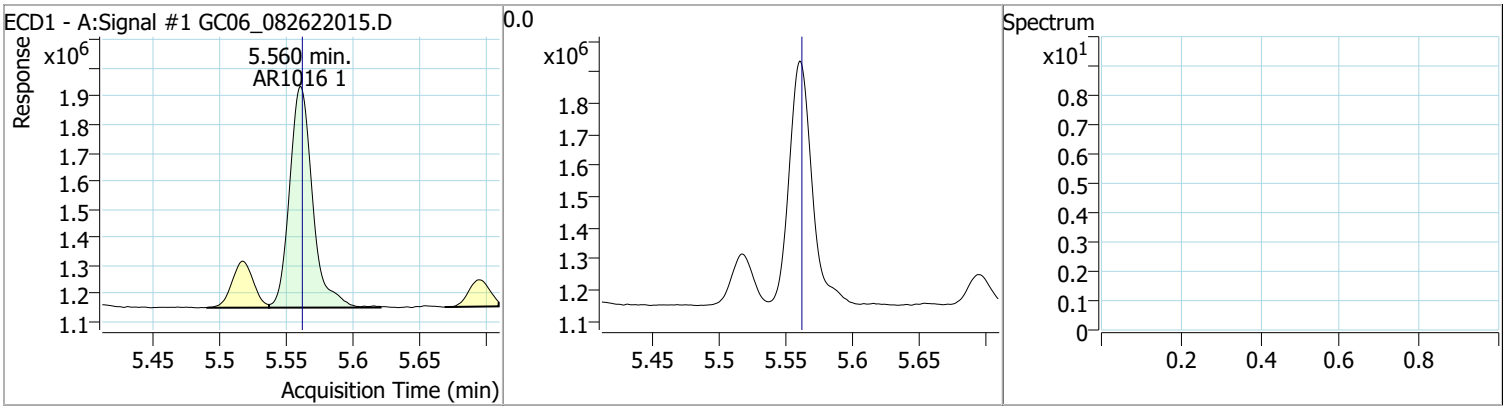
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	48.6415	5.21	0.00	3743226				



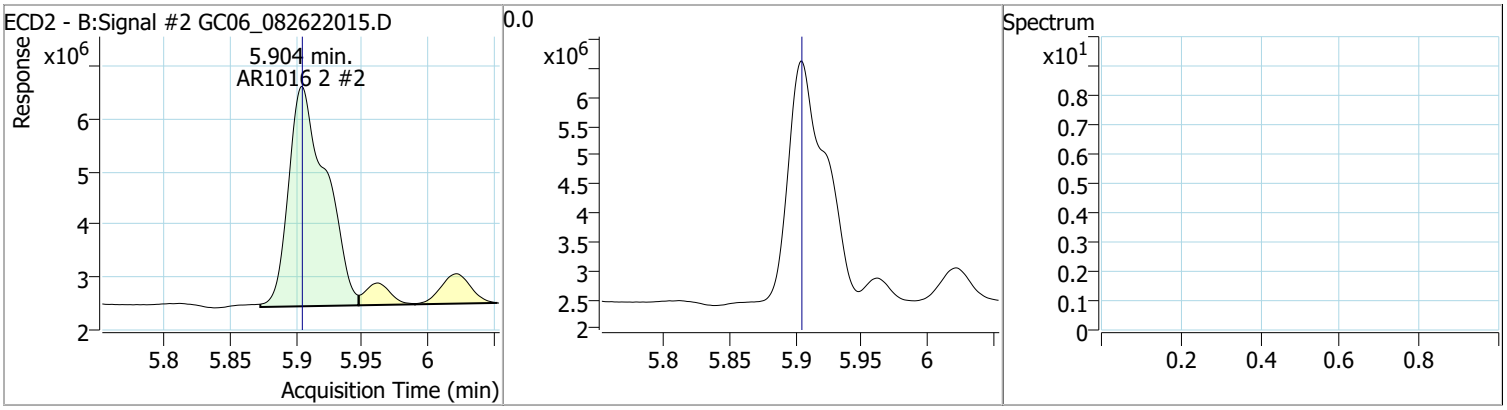
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	483.7696	5.51	0.00	3981761				



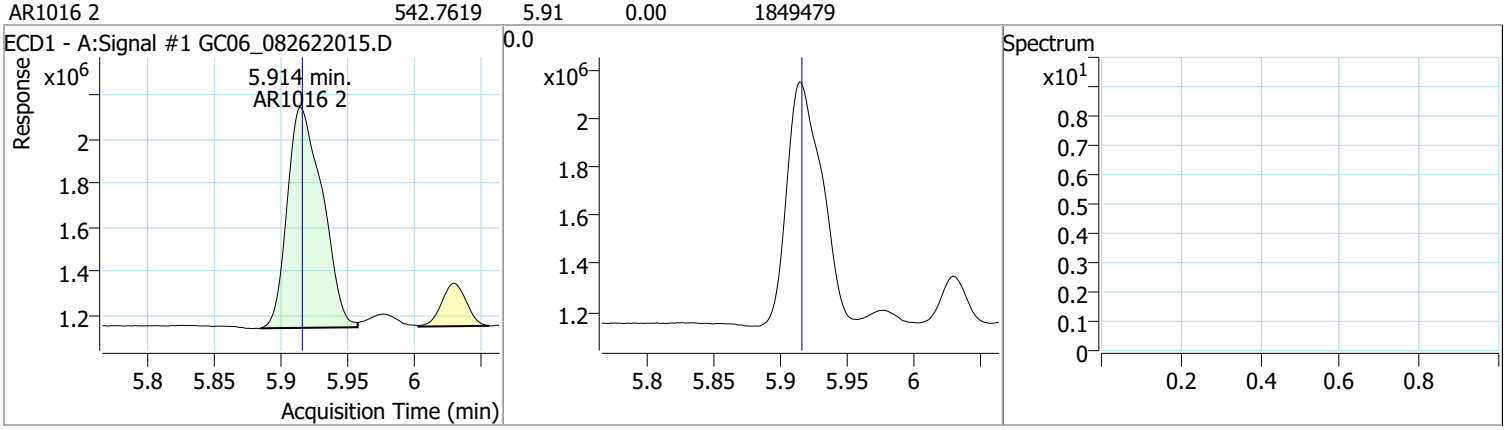
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	607.3189	5.56	0.00	950439				



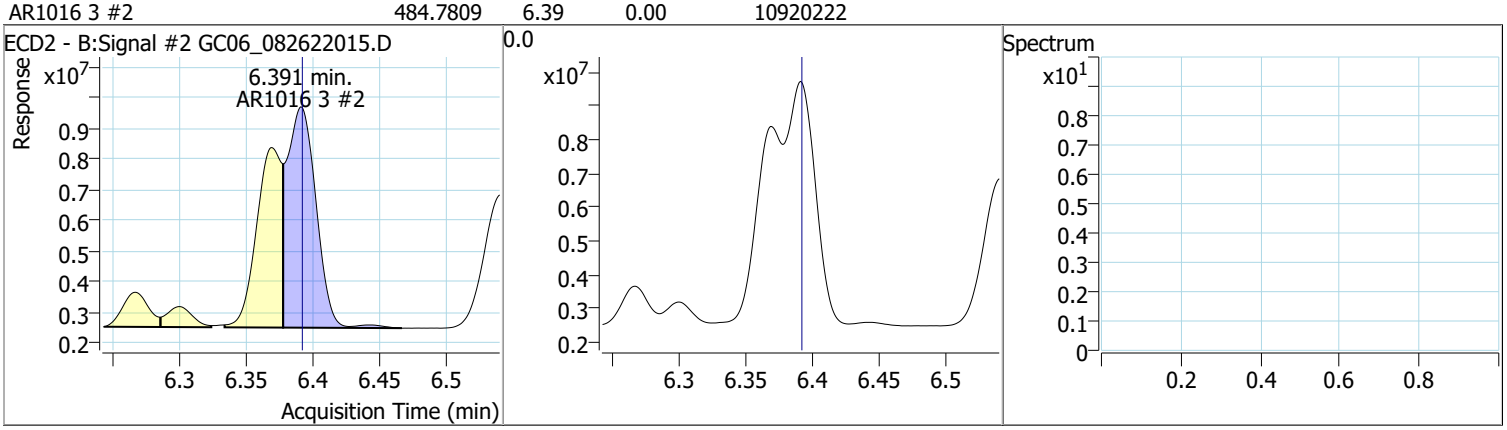
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	485.1464	5.90	0.00	8286663				



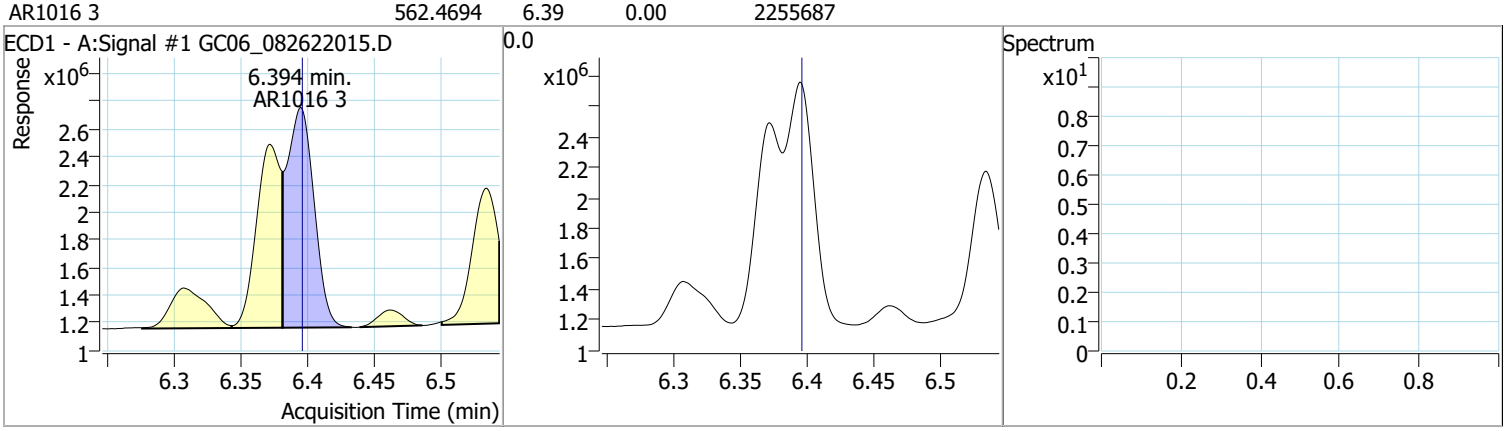
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	542.7619	5.91	0.00	1849479				



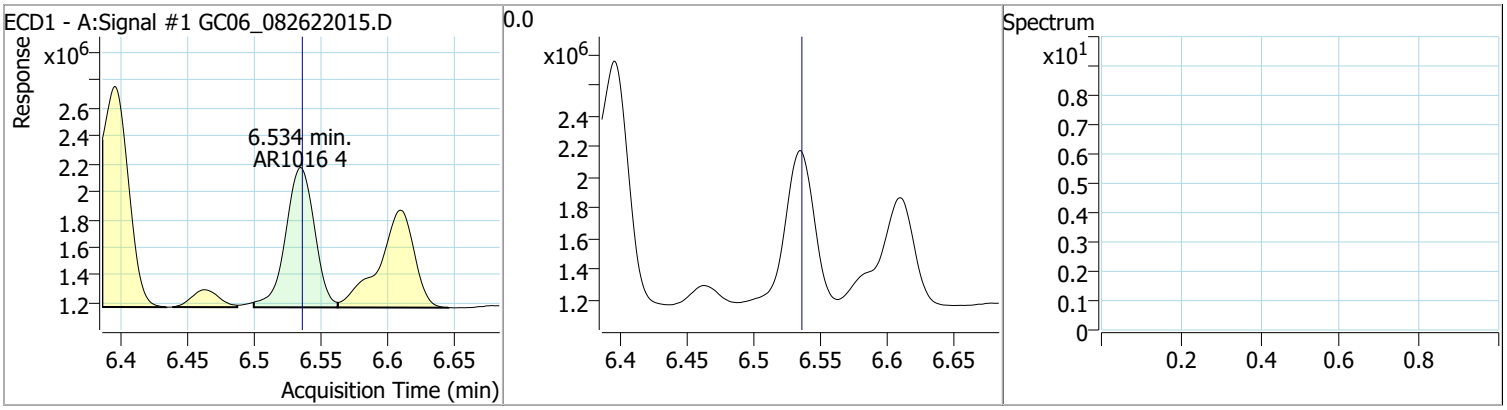
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	484.7809	6.39	0.00	10920222				



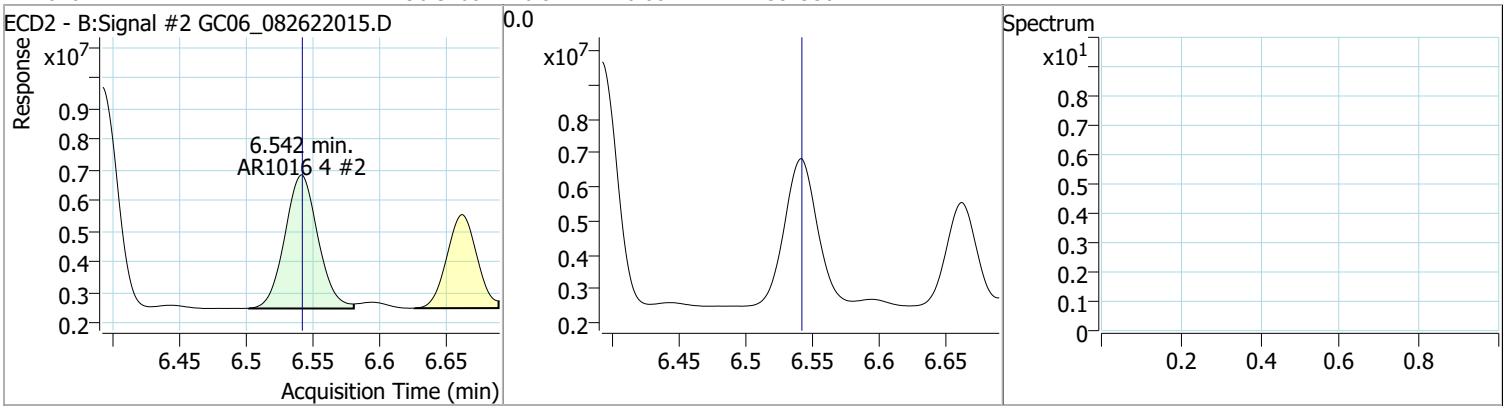
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	562.4694	6.39	0.00	2255687				



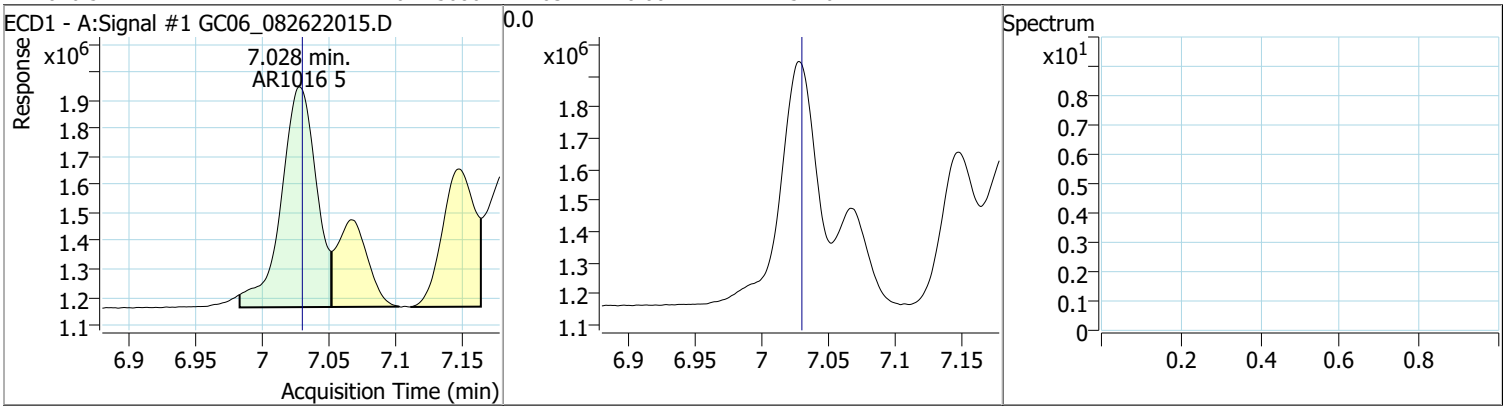
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	509.3420	6.53	0.00	1528578				



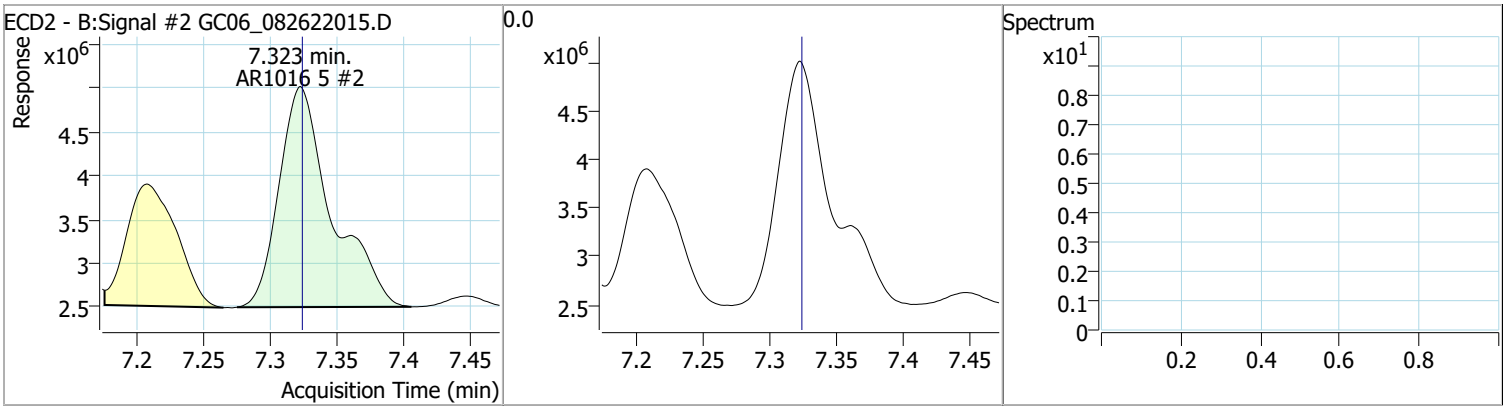
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	496.3168	6.54	0.00	7584950				



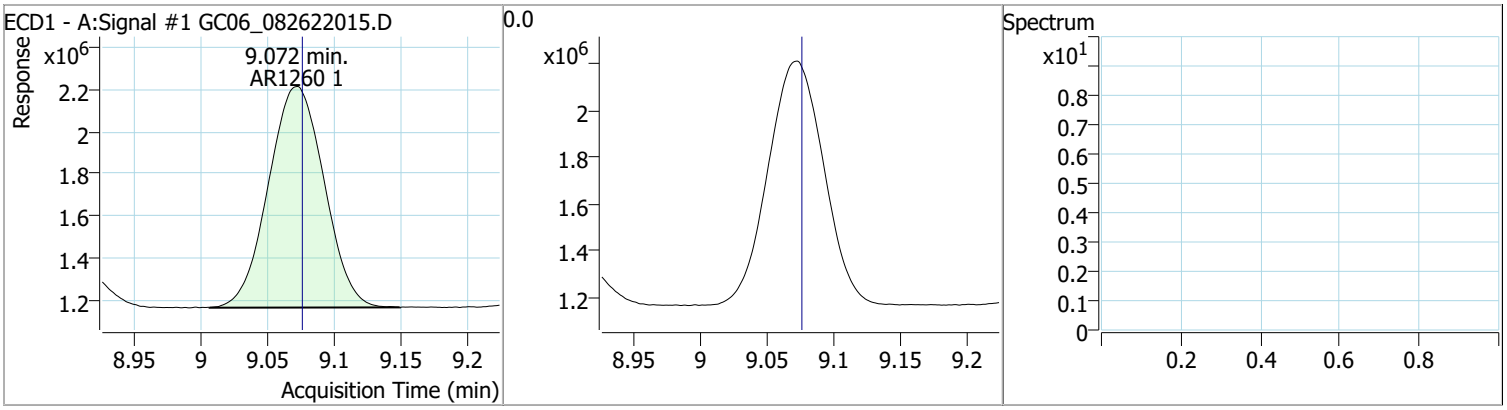
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	622.5686	7.03	0.00	1445276				



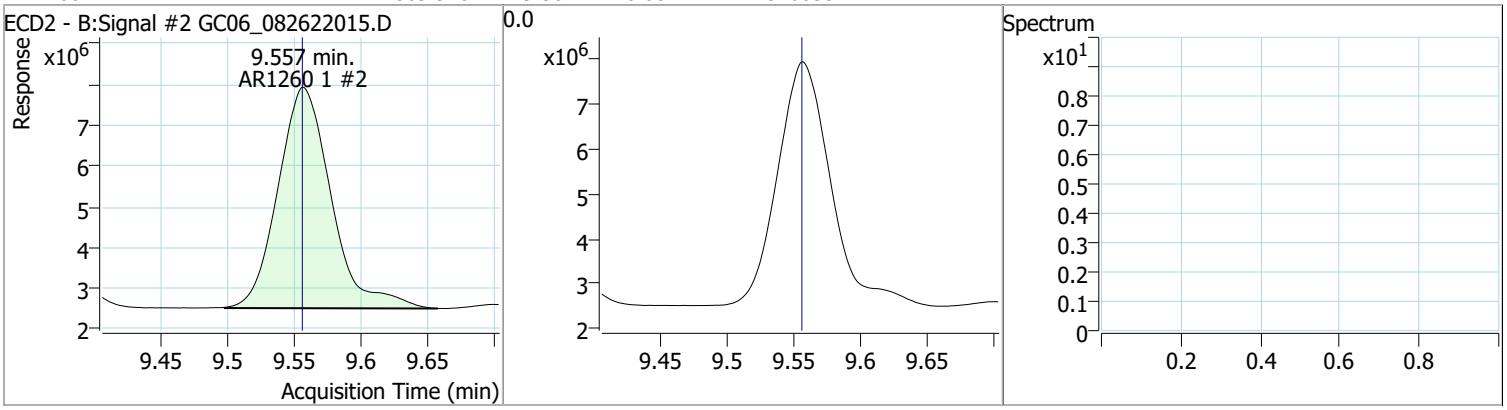
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	578.8820	7.32	0.00	6916608				



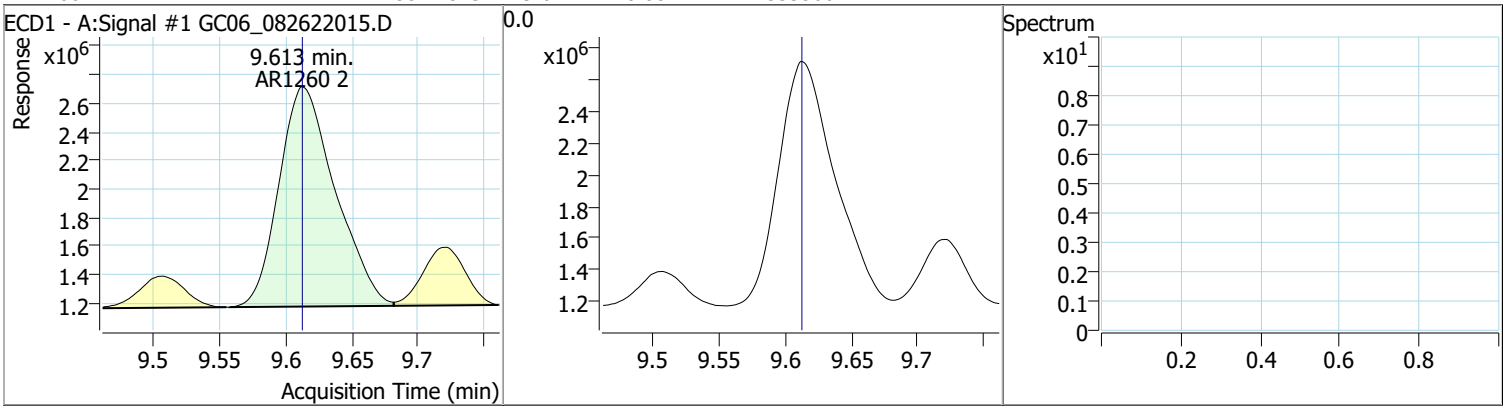
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	608.3538	9.07	0.00	3063010				



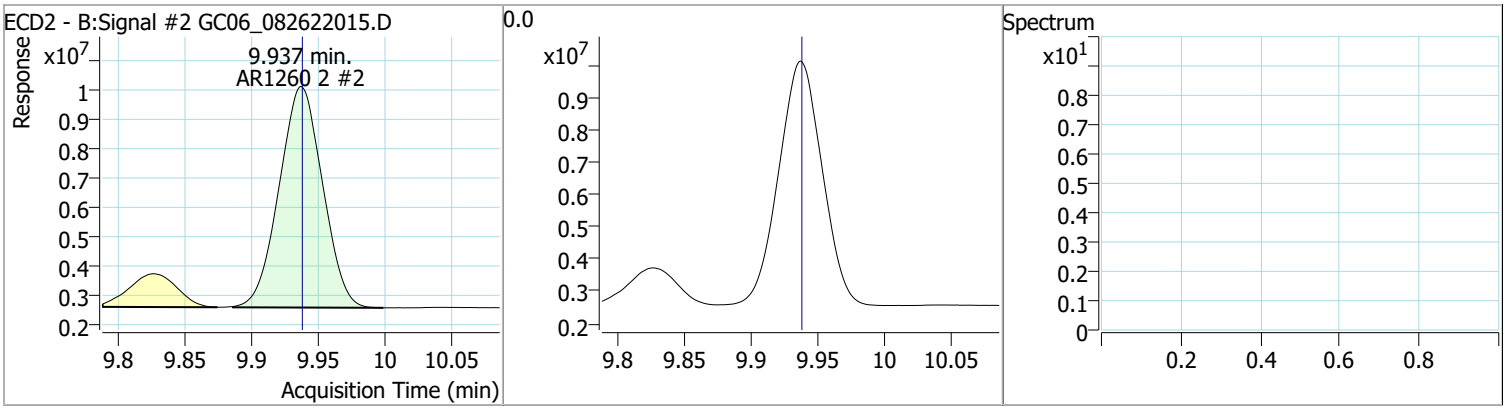
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	569.9181	9.56	0.00	15160354				



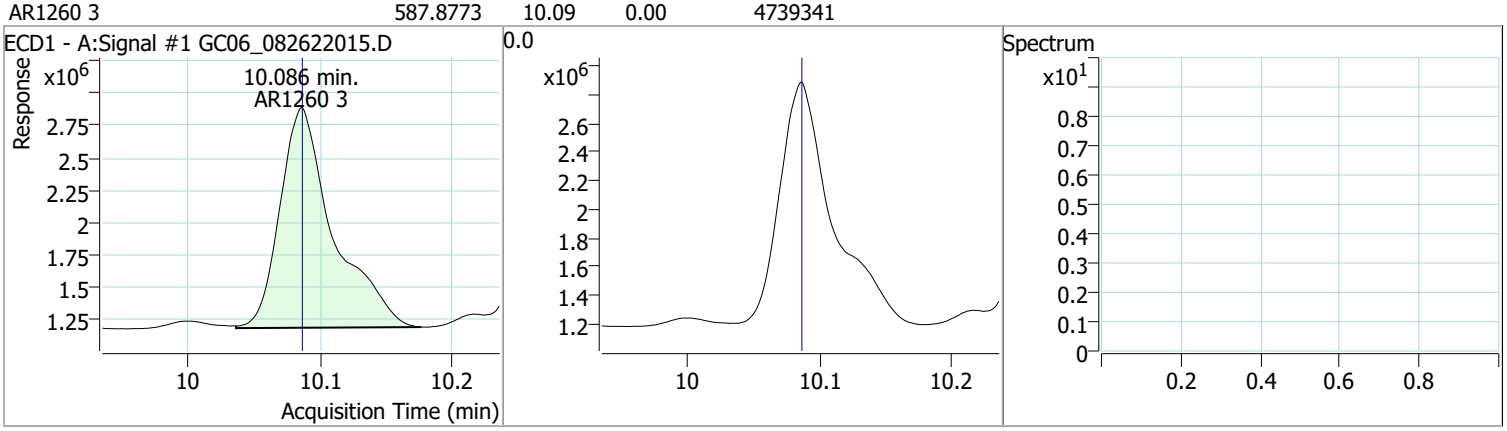
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	587.1813	9.61	0.00	4553560				



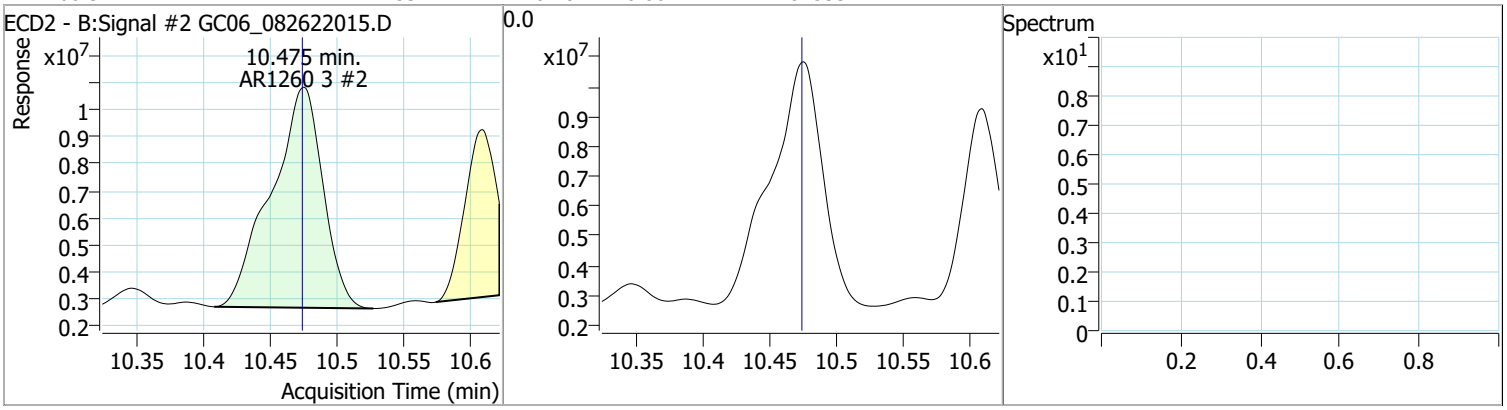
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	559.3932	9.94	0.00	17193820				



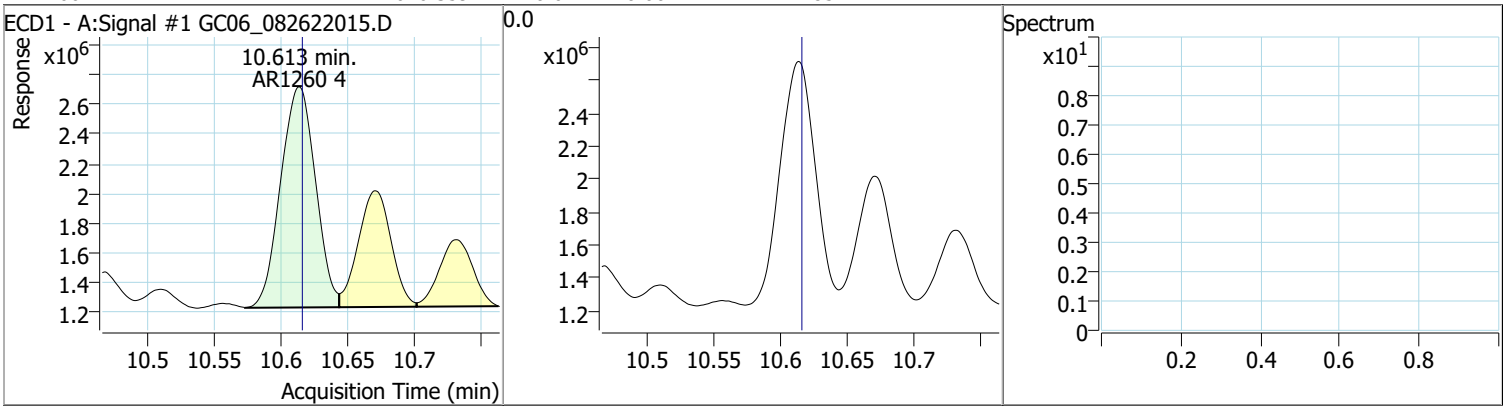
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	587.8773	10.09	0.00	4739341				



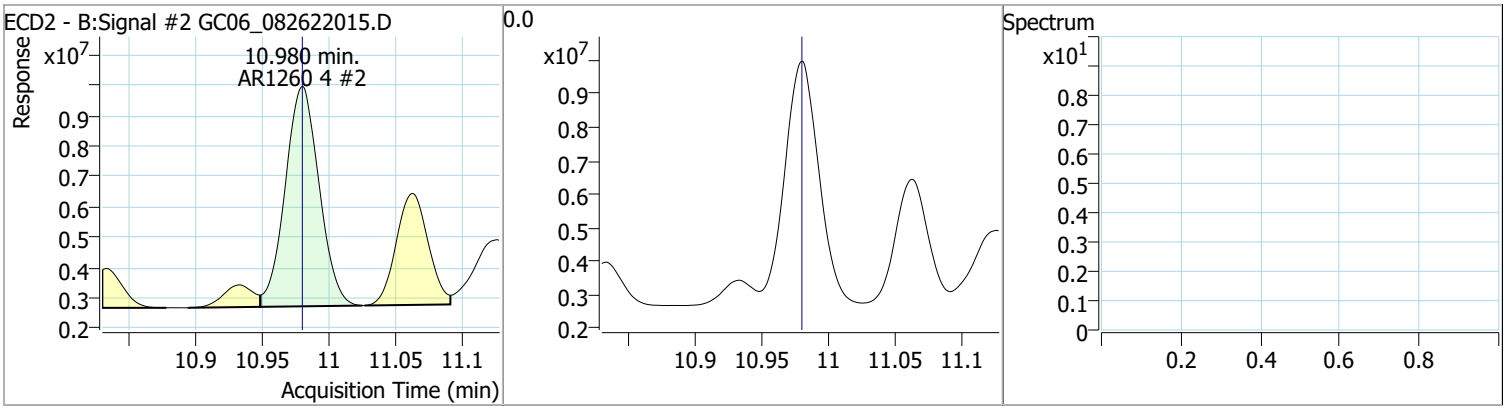
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	531.1774	10.48	0.00	22181533				



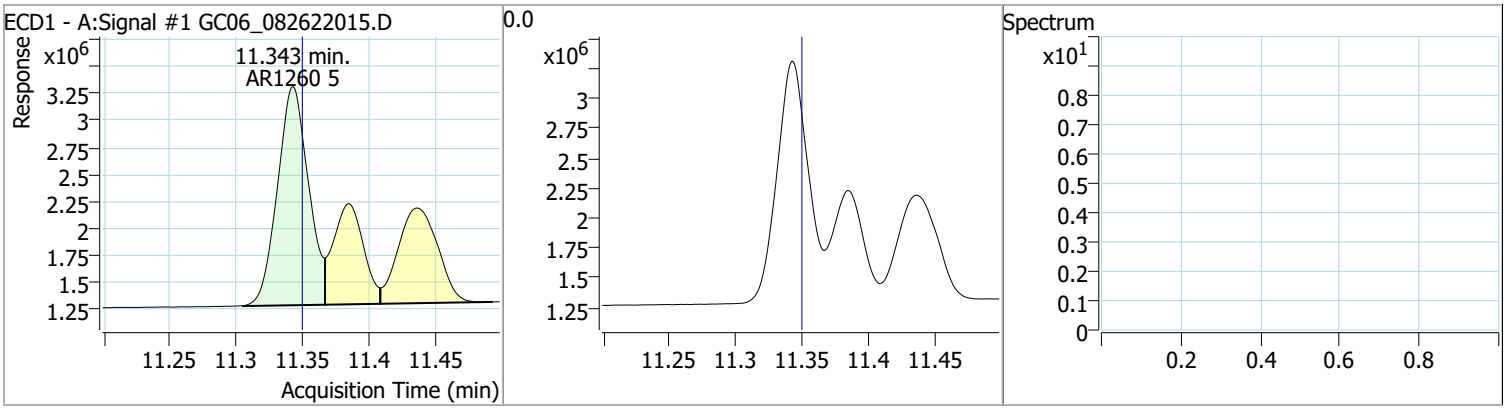
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	676.3597	10.61	0.00	2711785				



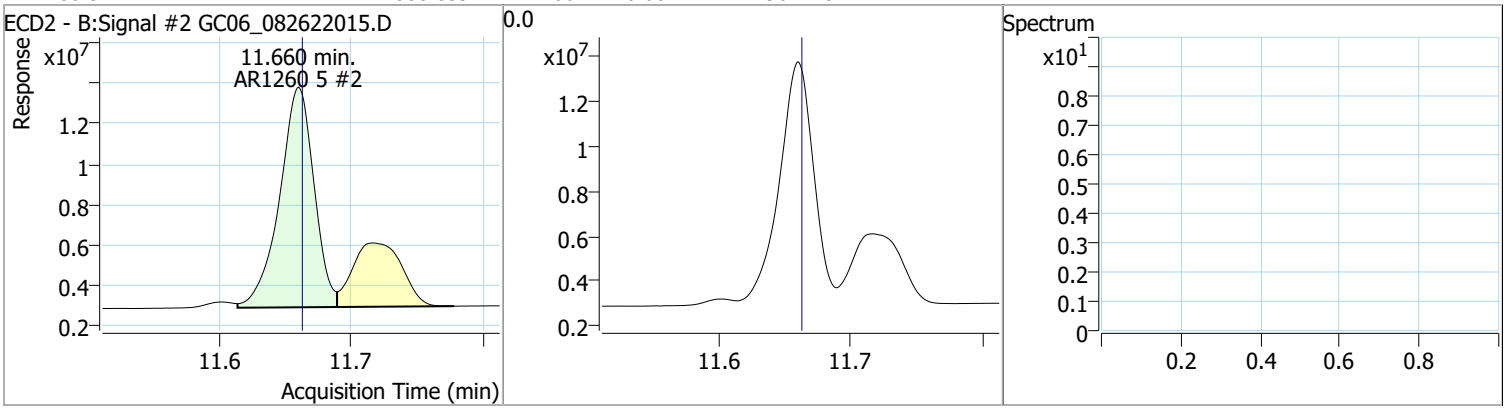
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	572.1163	10.98	0.00	12927888				



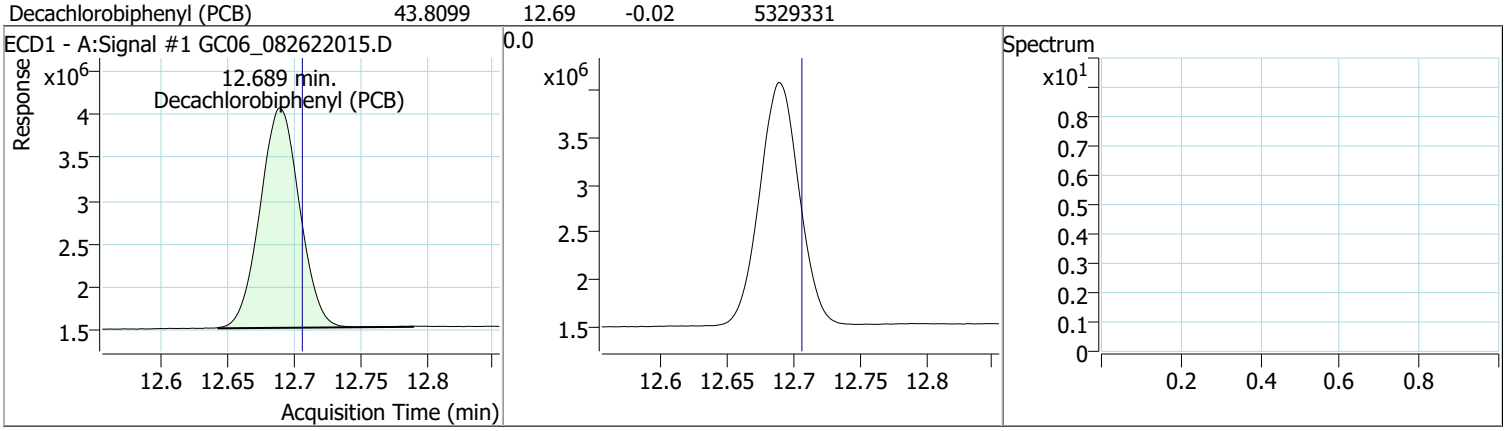
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	620.0017	11.34	-0.01	3290066				



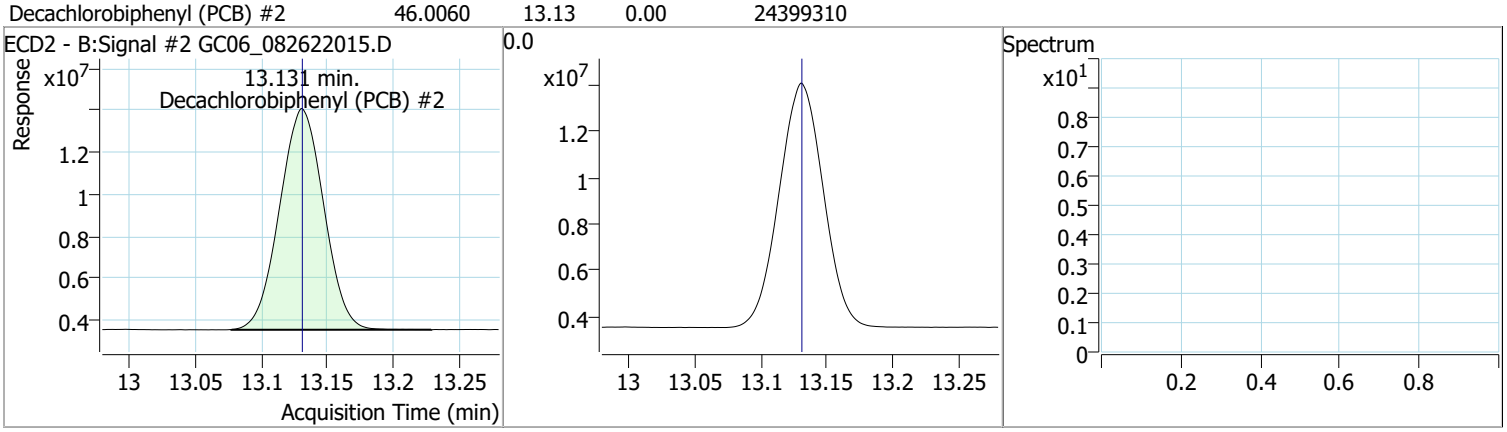
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	588.8391	11.66	0.00	19617131				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	43.8099	12.69	-0.02	5329331				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	46.0060	13.13	0.00	24399310				



ENTHALPY SPIKE USER REPORT FOR 467769 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC06	Inst:	SVOA-GC06
Seqnum:	452349374009.1	Seqnum:	452349374010.1
File:	gc06_083022009	File:	gc06_083022010
IDF:	1.0	IDF:	1.0
Lab ID:	QC1009631	Lab ID:	QC1009632
Matrix:	Wipe	Matrix:	Wipe
Batch:	295971	Batch:	295971
Time:	30-AUG-2022 16:21	Time:	30-AUG-2022 16:39
Cal:	452150634002	Cal:	452150634002
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	449.2	4.492	B	90	467.9	4.679	B	94	60-140	4	20	u
Aroclor-1016 Peak # 1		441.7	4.417	B		457.7	4.577	B					
Aroclor-1016 Peak # 2		443.3	4.433	B		461.5	4.615	B					
Aroclor-1016 Peak # 3		411.1	4.111	B		427.3	4.273	B					
Aroclor-1016 Peak # 4		433.8	4.338	B		454.6	4.546	B					
Aroclor-1016 Peak # 5		516.2	5.162	B		538.3	5.383	B					
Aroclor-1260	5.000	437.0	4.370	B	87	473.8	4.738	B	95	60-140	8	20	u
Aroclor-1260 Peak # 1		439.3	4.393	B		492.1	4.921	B					
Aroclor-1260 Peak # 2		446.1	4.461	B		475.5	4.755	B					
Aroclor-1260 Peak # 3		415.6	4.156	B		445.5	4.455	B					
Aroclor-1260 Peak # 4		442.8	4.428	B		478.2	4.782	B					
Aroclor-1260 Peak # 5		441.3	4.413	B		477.9	4.779	B					
Surrogates													
TCMX (PCB)	0.5000	46.26	0.4626	B	93	45.30	0.4530	B	91	52-186			u
Decachlorobiphenyl (PCB)	0.5000	38.78	0.3878	B	78	41.59	0.4159	B	83	60-140			u

ISTD (CCV gc06_083022002)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5237900	5757605	9.92
1-bromo-2-nitrobenzene (PCB)	A	1298245	1273713	-1.89

ISTD (CCV gc06_083022002)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

ISTD (CCV gc06_083022002)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5237900	5159856	-1.49
1-bromo-2-nitrobenzene (PCB)	A	1298245	1182538	-8.91

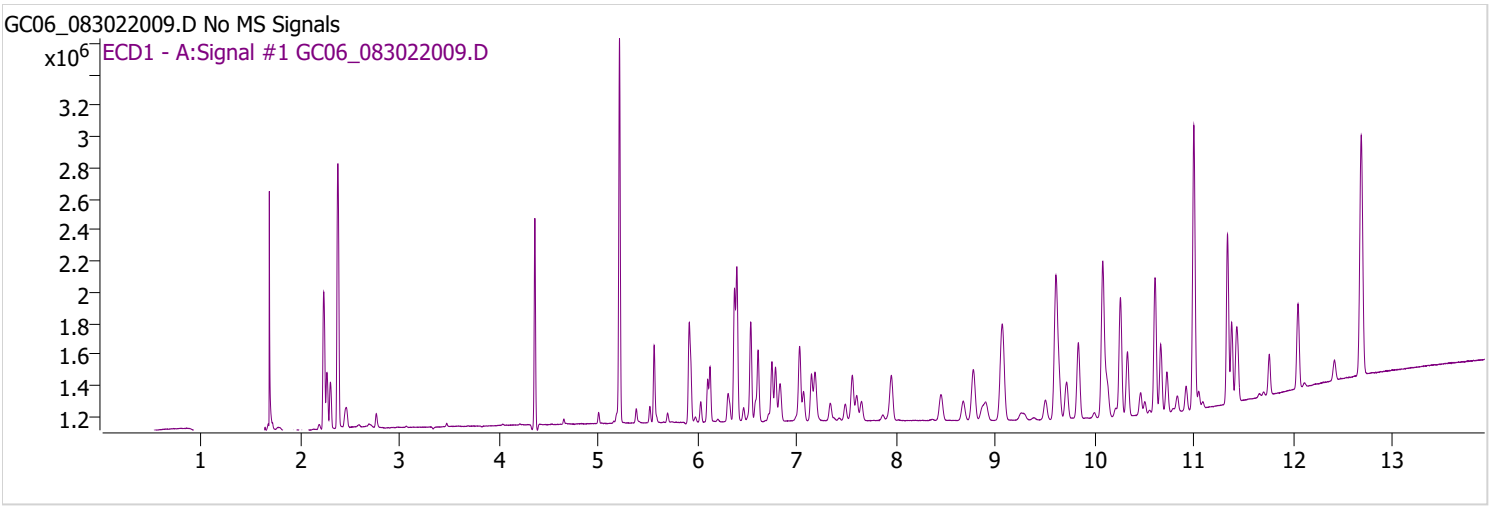
ISTD (CCV gc06_083022002)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

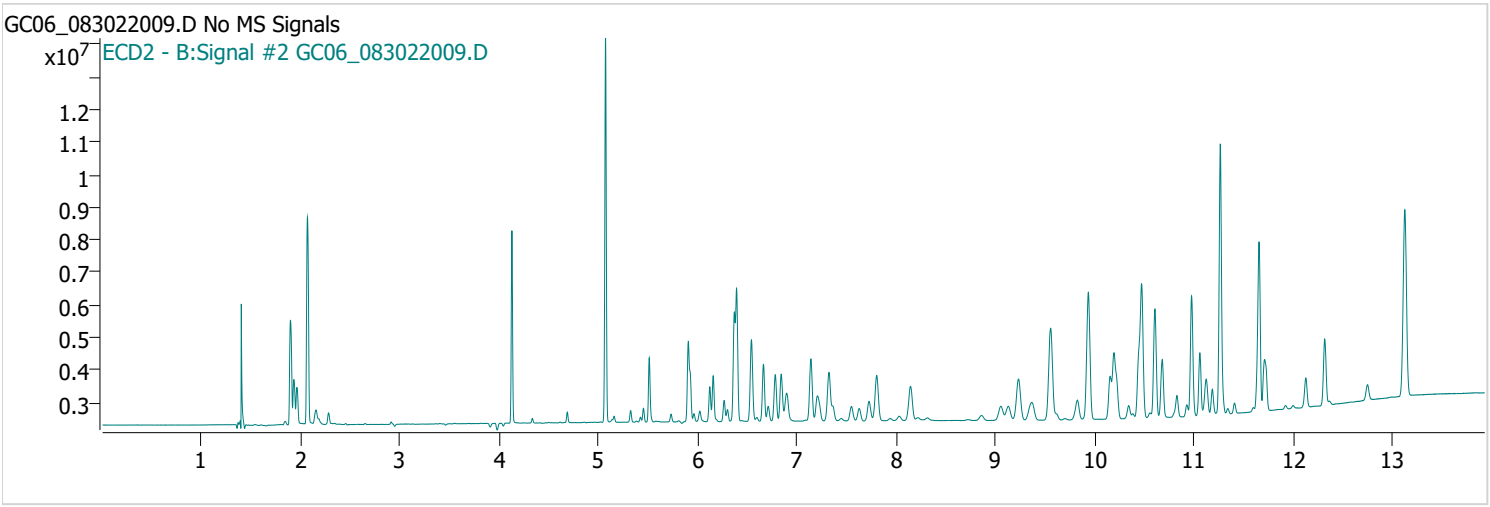
Analyst: TRN 08/30/22

Reviewer: LW 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_083022009.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/30/2022 4:21:49 PM
Sample Name	QC1009631, 295971, 1	Instrument	SVOA-GC06
Vial	2	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	083022PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



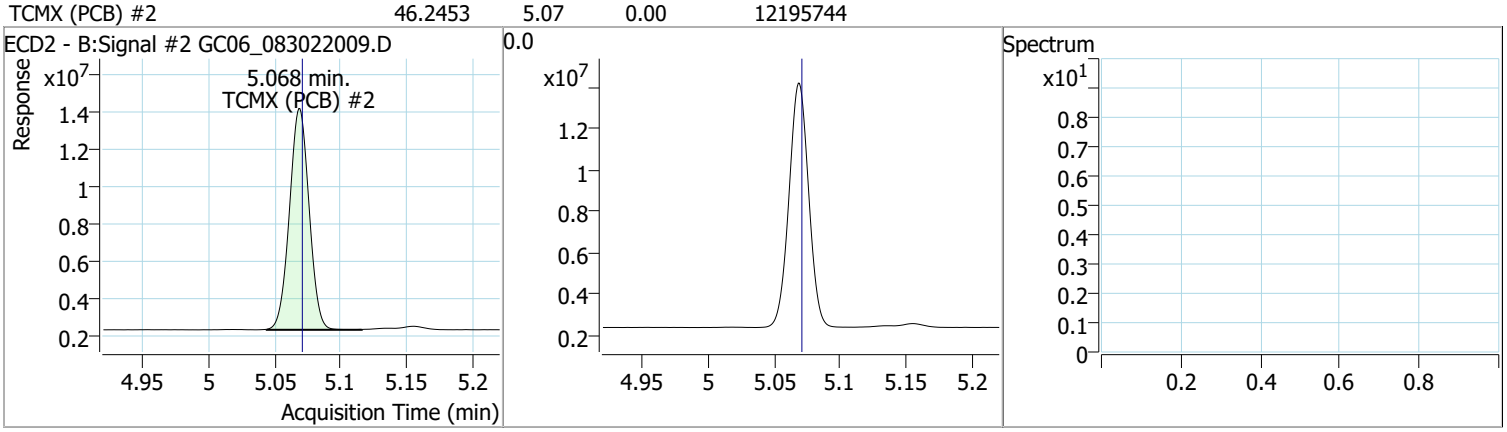


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	5757604.941	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.357	0.0	1273712.782	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB) #2	5.068	0.0	12195743.586	46.2453	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 231.23%		*	
S TCMX (PCB)	5.209	0.0	2685498.158	43.8334	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 219.17%		*	
S Decachlorobiphenyl (PCB)	12.683	0.0	3266500.491	33.7289	ng/ml		-0.023
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 168.64%		*	
S Decachlorobiphenyl (PCB) #2	13.123	0.0	13469433.804	38.7692	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 193.85%		*	
Target Compounds							QValue

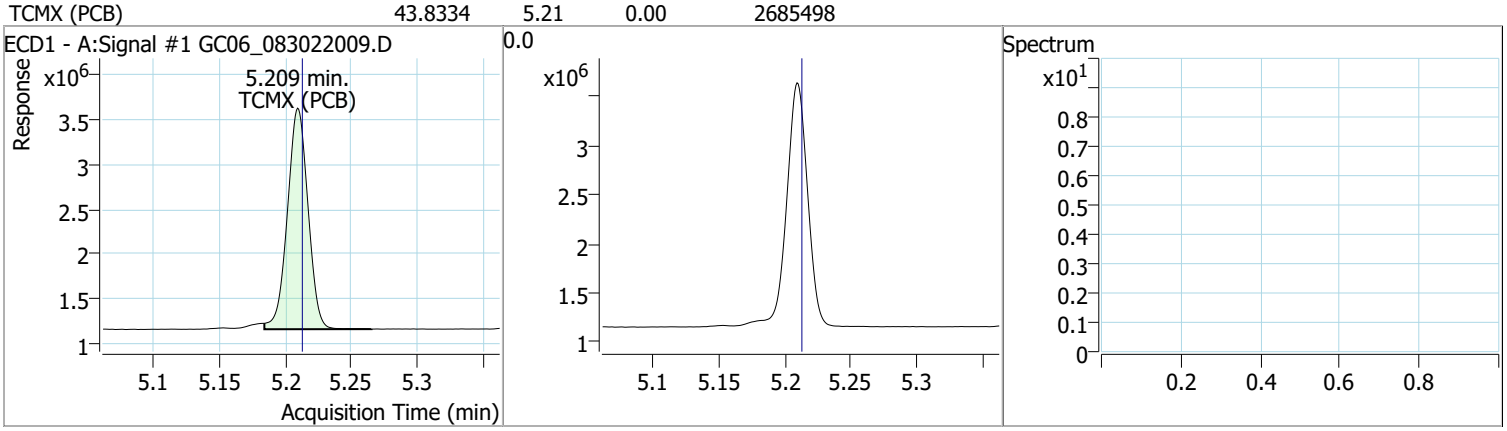
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.509	0.0	2380676.143	441.5347	ng/ml	100
T AR1016 1	5.558	0.0	613080.489	492.0724	ng/ml	100
T AR1016 2 #2	5.903	0.0	4959239.277	443.2098	ng/ml	100
T AR1016 2	5.913	0.0	1184964.706	436.8017	ng/ml	100
T AR1016 3 #2	6.389	0.0	6064756.648	410.9875	ng/ml	100
T AR1016 3	6.392	0.0	1392639.009	436.1919	ng/ml	100
T AR1016 4	6.532	0.0	959233.734	401.4813	ng/ml	100
T AR1016 4 #2	6.538	0.0	4342271.773	433.7350	ng/ml	100
T AR1016 5	7.025	0.0	872769.956	472.2316	ng/ml	100
T AR1016 5 #2	7.321	0.0	4039610.047	516.1043	ng/ml	100
T AR1260 1	9.066	0.0	1811670.275	451.9661	ng/ml	100
T AR1260 1 #2	9.553	0.0	7653124.283	439.1806	ng/ml	100
T AR1260 2	9.607	0.0	2660027.031	430.8501	ng/ml	100
T AR1260 2 #2	9.933	0.0	8980584.316	446.0162	ng/ml	100
T AR1260 3	10.079	0.0	2711767.208	422.5130	ng/ml	100
T AR1260 3 #2	10.470	0.0	11366437.775	415.5025	ng/ml	100
T AR1260 4	10.606	0.0	1559960.229	488.7142	ng/ml	100
T AR1260 4 #2	10.973	0.0	6552749.437	442.6714	ng/ml	100
T AR1260 5	11.336	0.0	1770631.686	419.1172	ng/ml	100
T AR1260 5 #2	11.653	0.0	9629415.290	441.2271	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

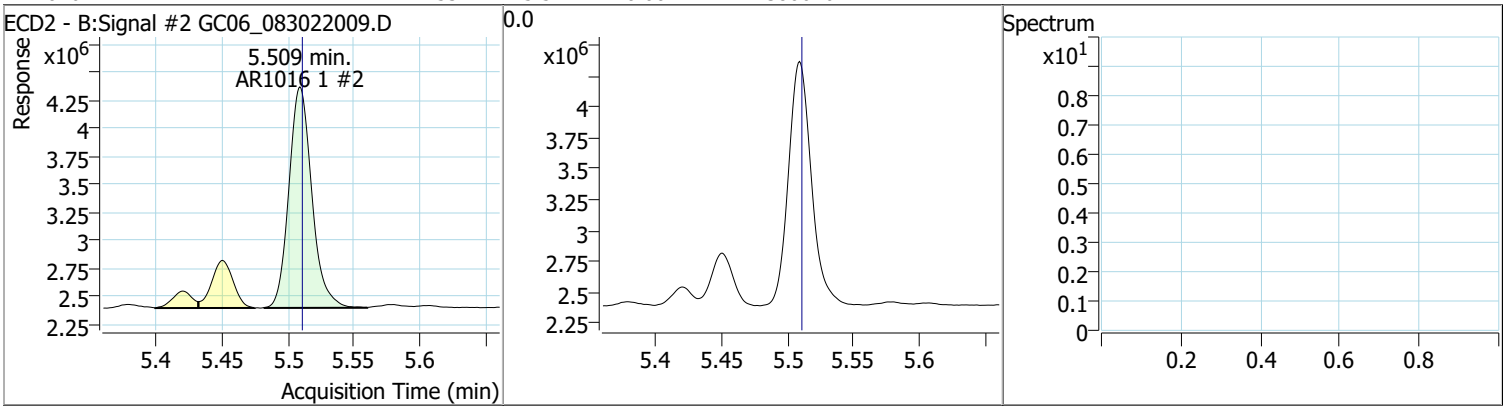
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	46.2453	5.07	0.00	12195744				



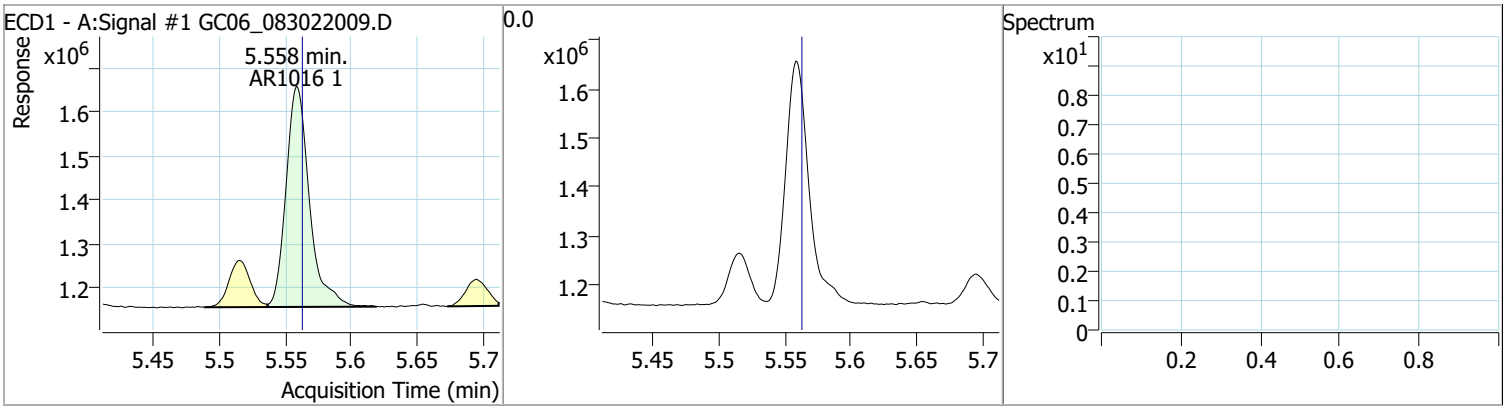
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	43.8334	5.21	0.00	2685498				



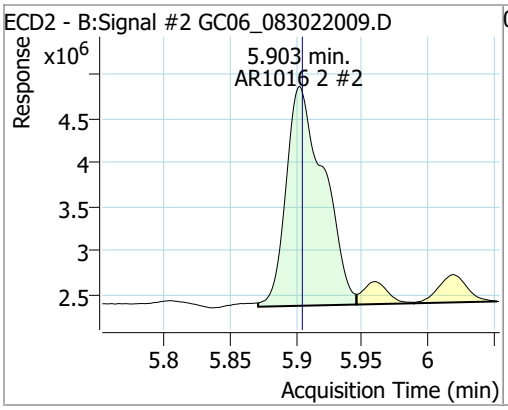
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	441.5347	5.51	0.00	2380676				

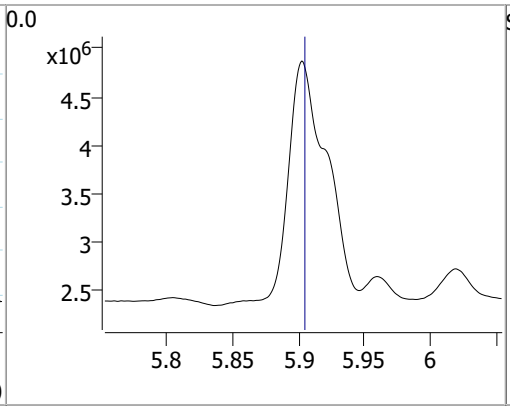


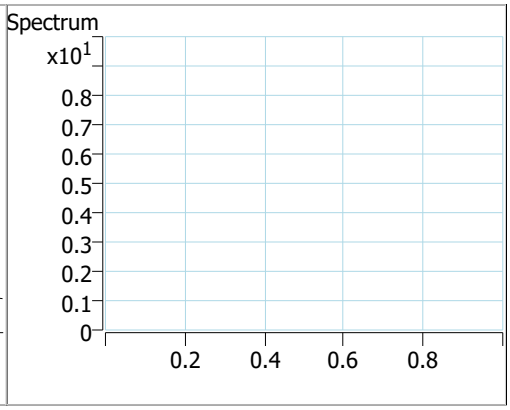
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	492.0724	5.56	0.00	613080				



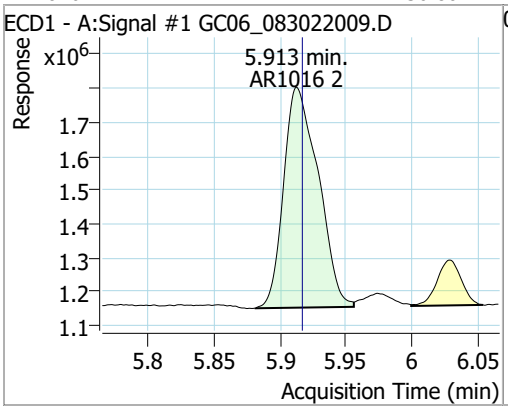
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	443.2098	5.90	0.00	4959239				

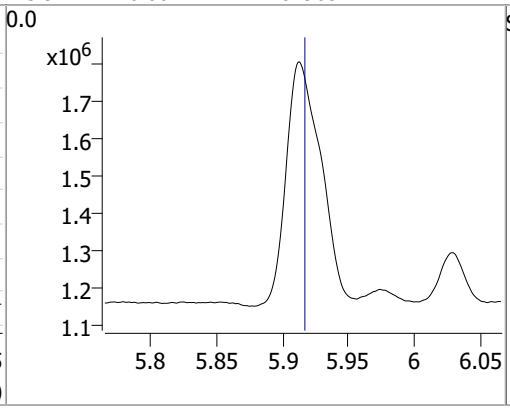


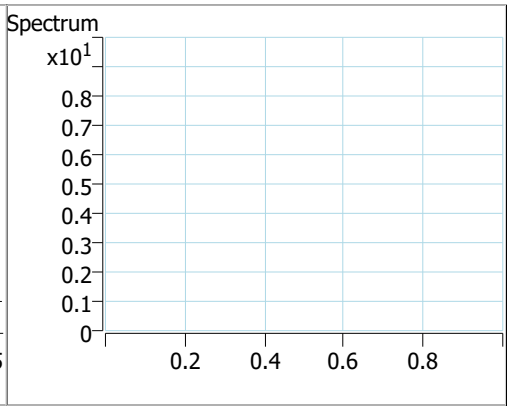




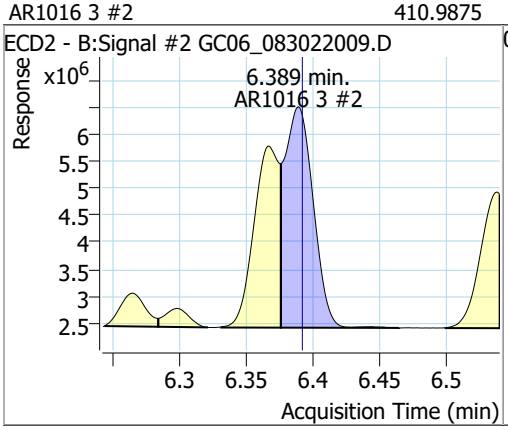
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	436.8017	5.91	0.00	1184965				

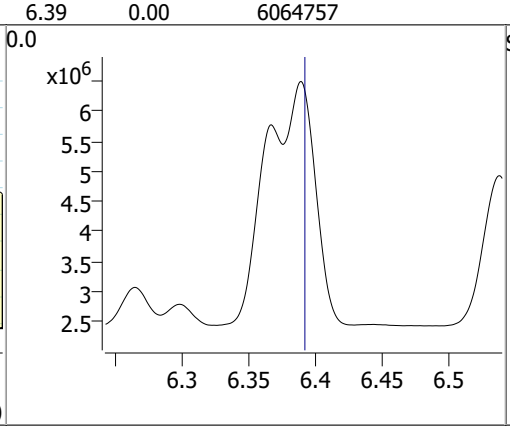


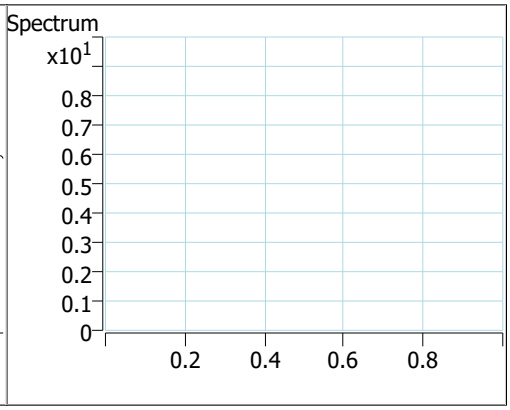




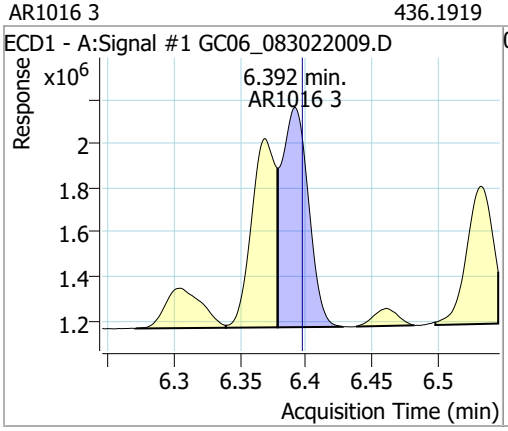
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	410.9875	6.39	0.00	6064757				

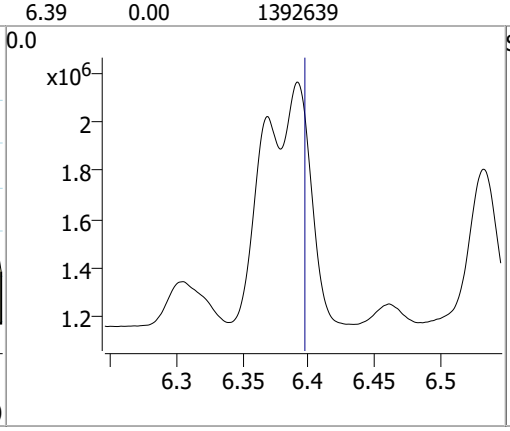


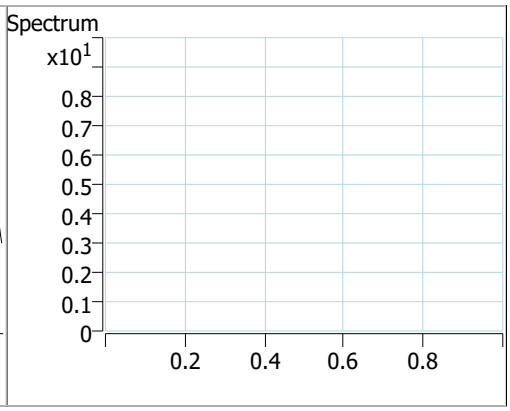




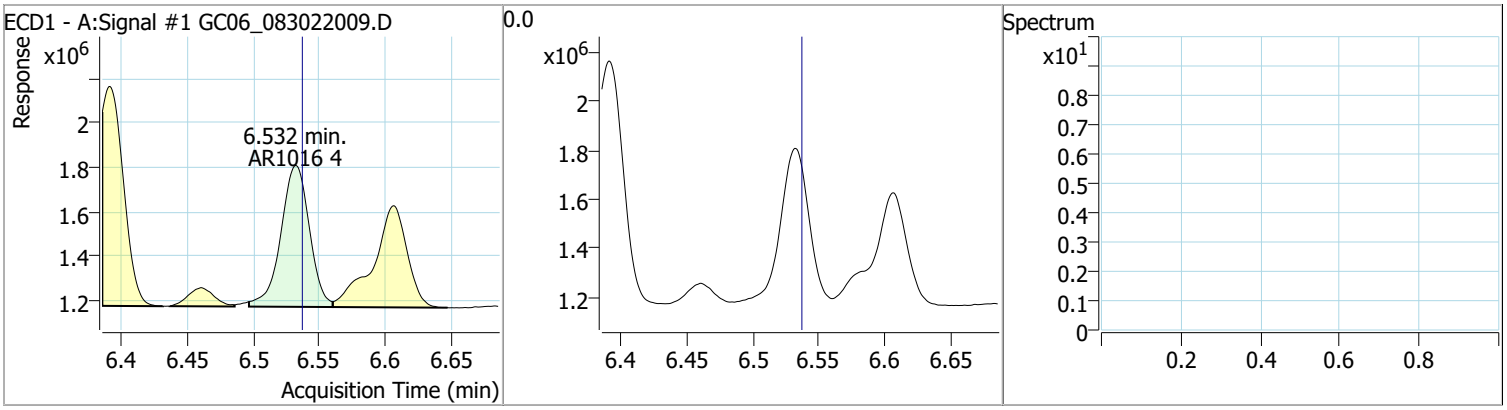
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	436.1919	6.39	0.00	1392639				



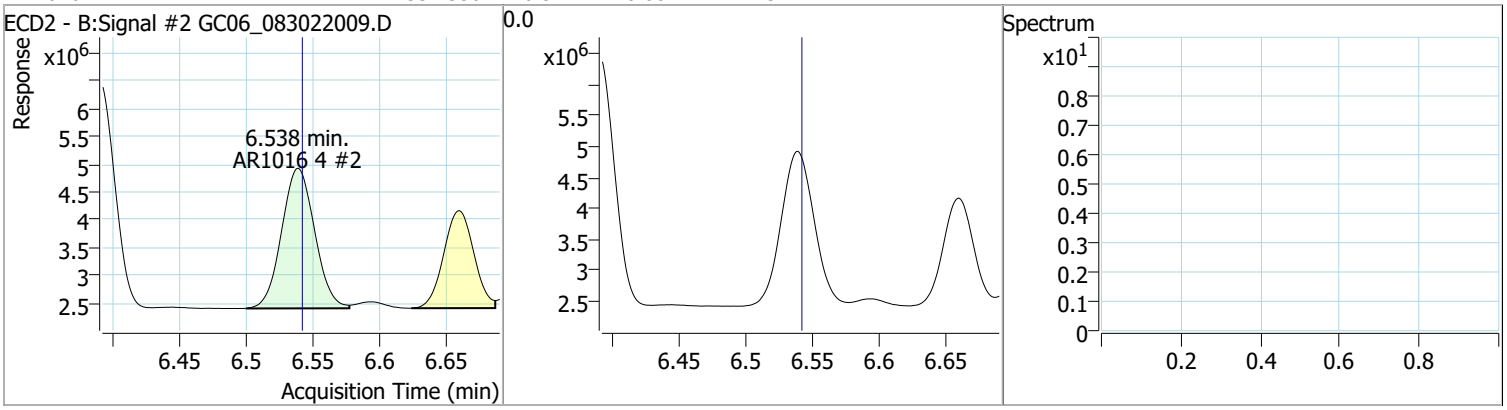




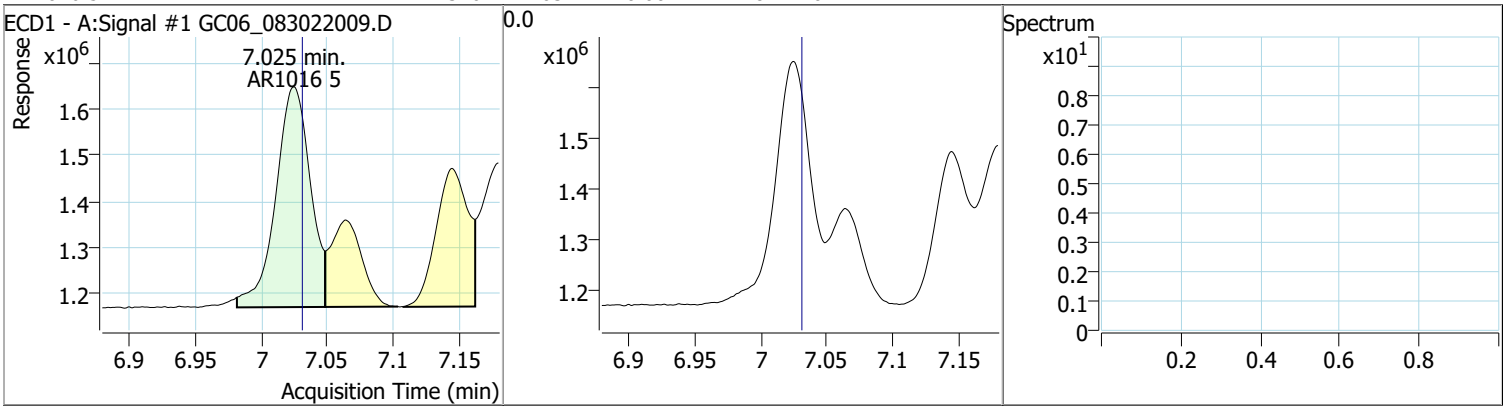
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	401.4813	6.53	0.00	959234				



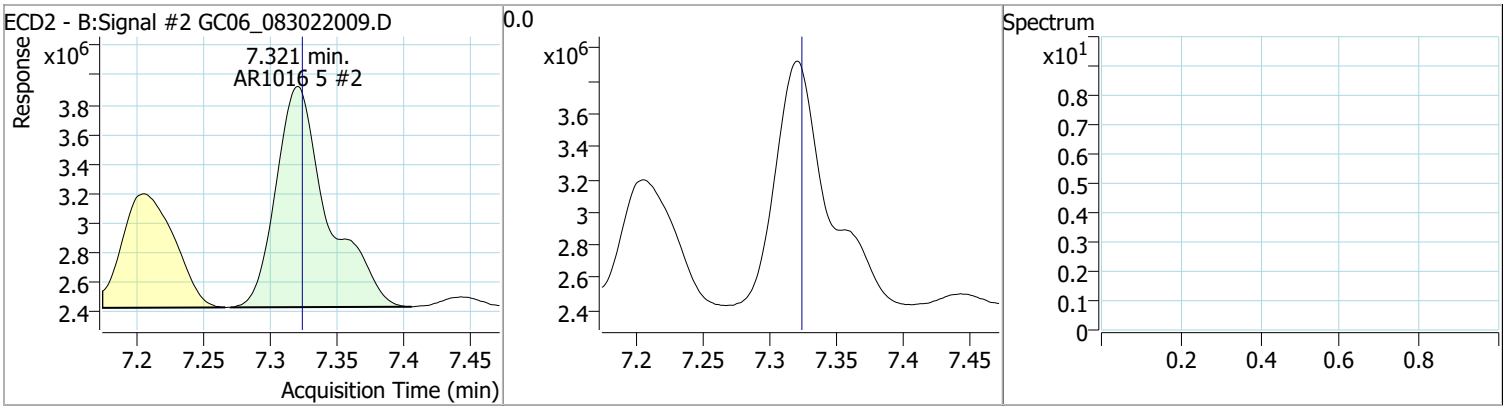
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	433.7350	6.54	0.00	4342272				



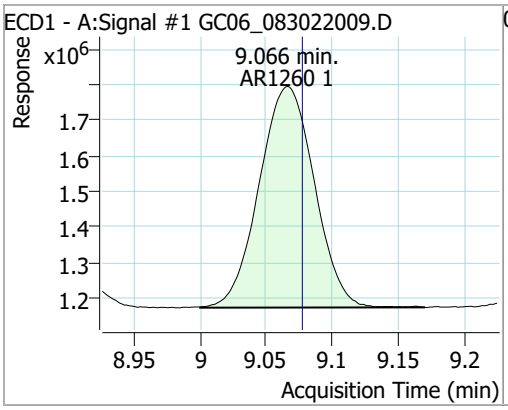
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	472.2316	7.03	0.00	872770				

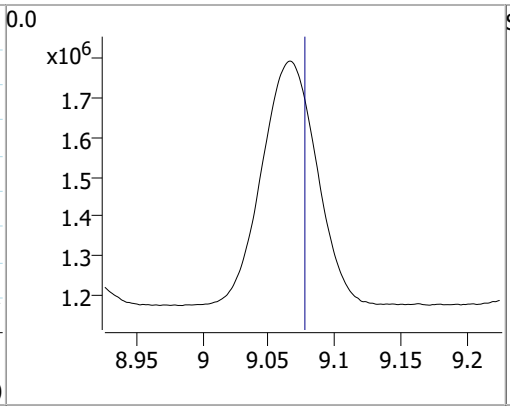


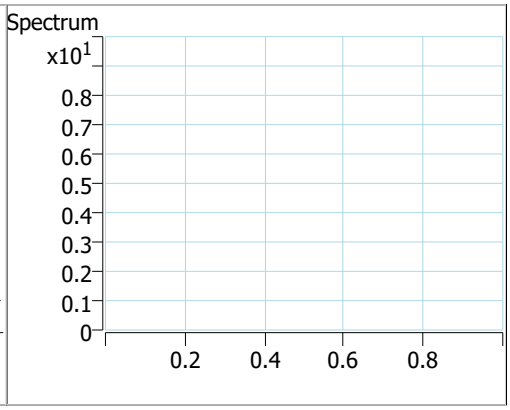
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	516.1043	7.32	0.00	4039610				



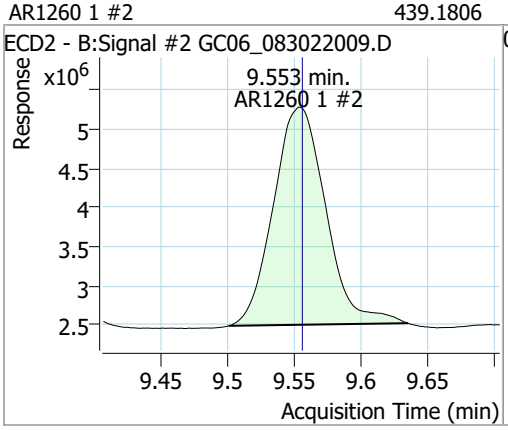
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	451.9661	9.07	-0.01	1811670				

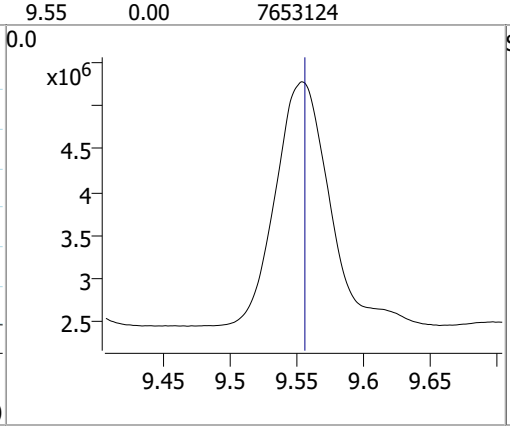


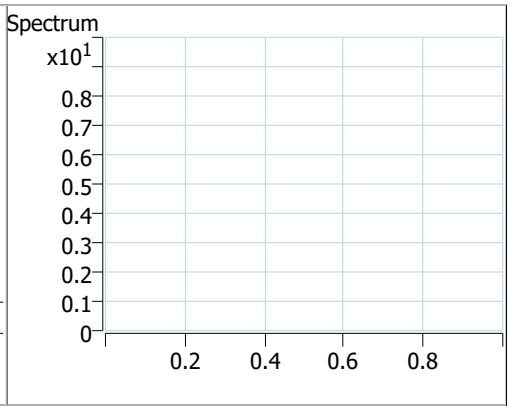




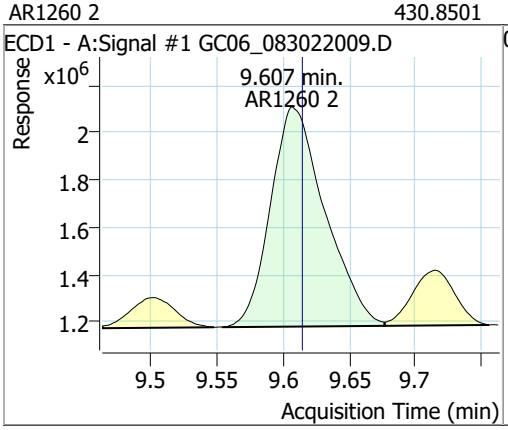
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	439.1806	9.55	0.00	7653124				

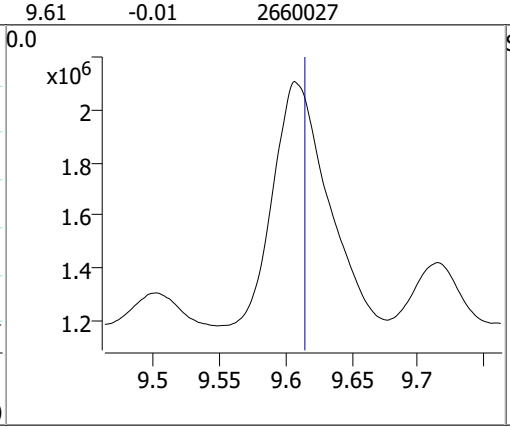


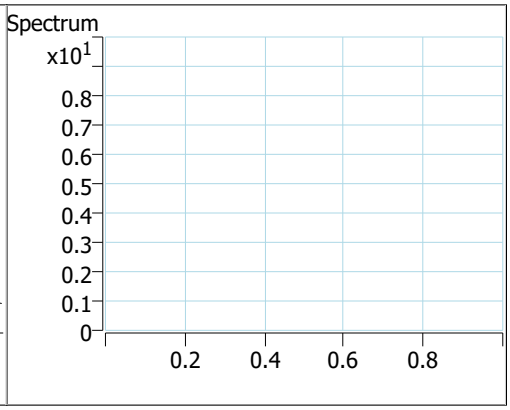




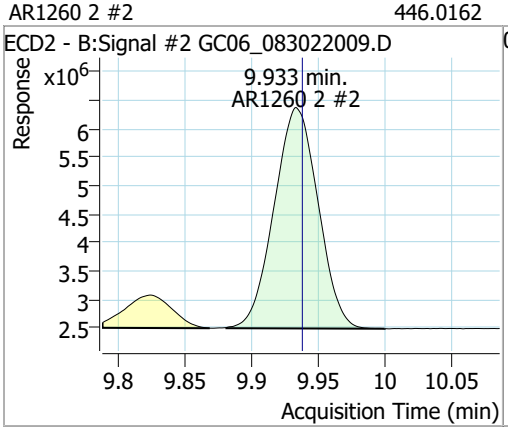
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	430.8501	9.61	-0.01	2660027				

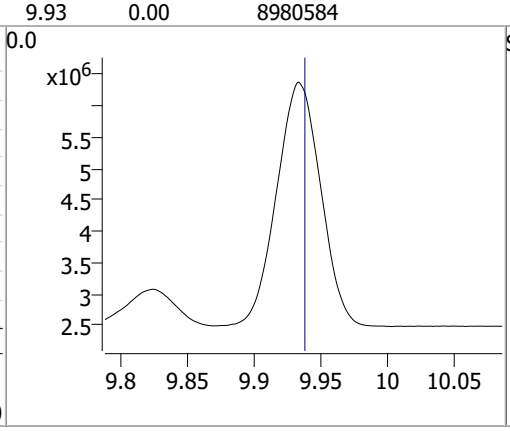


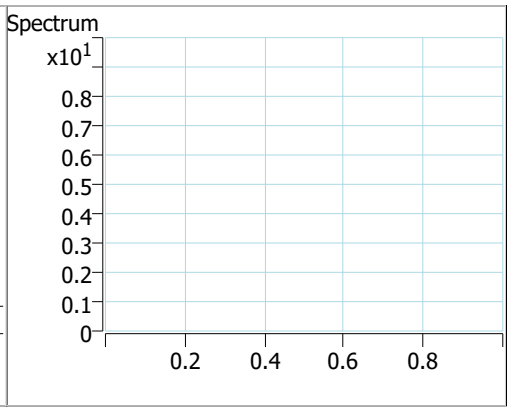




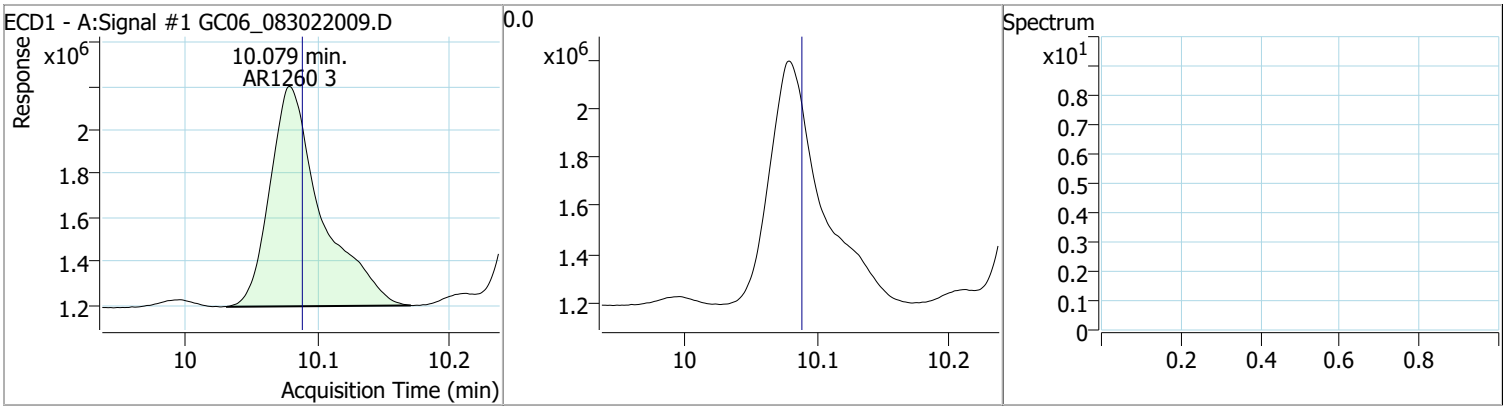
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	446.0162	9.93	0.00	8980584				



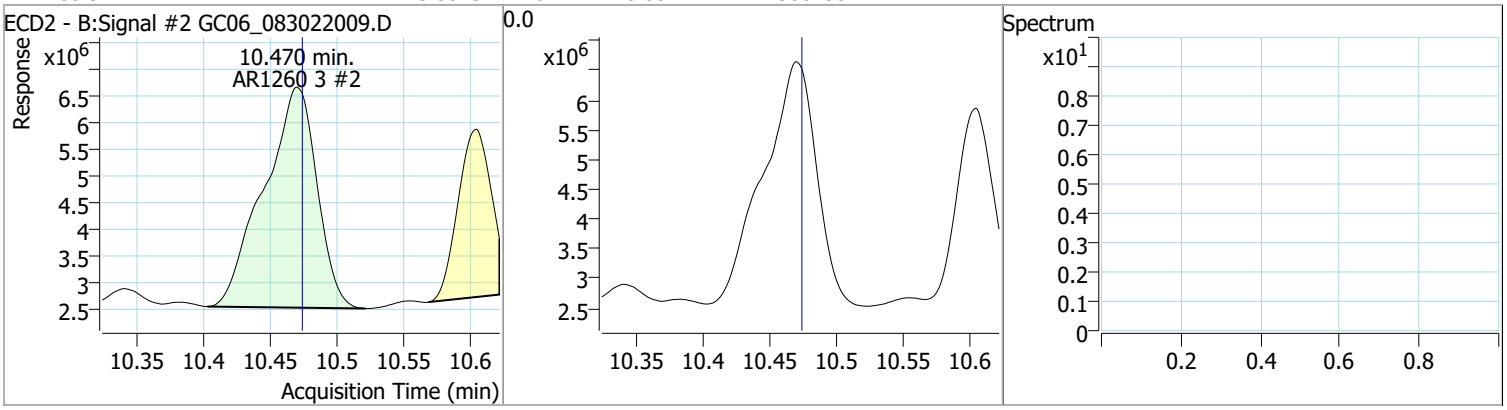




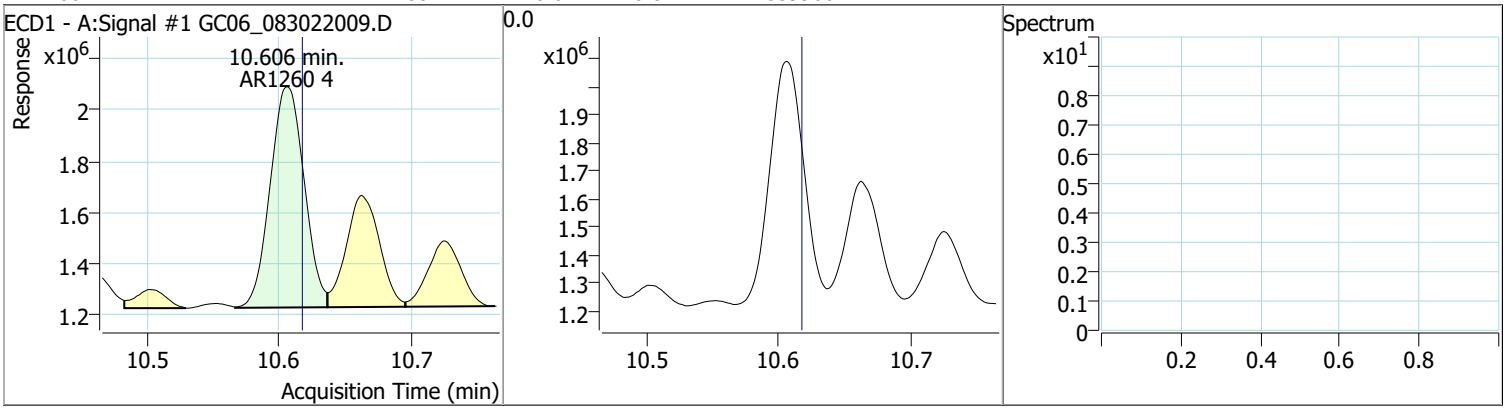
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	422.5130	10.08	-0.01	2711767				



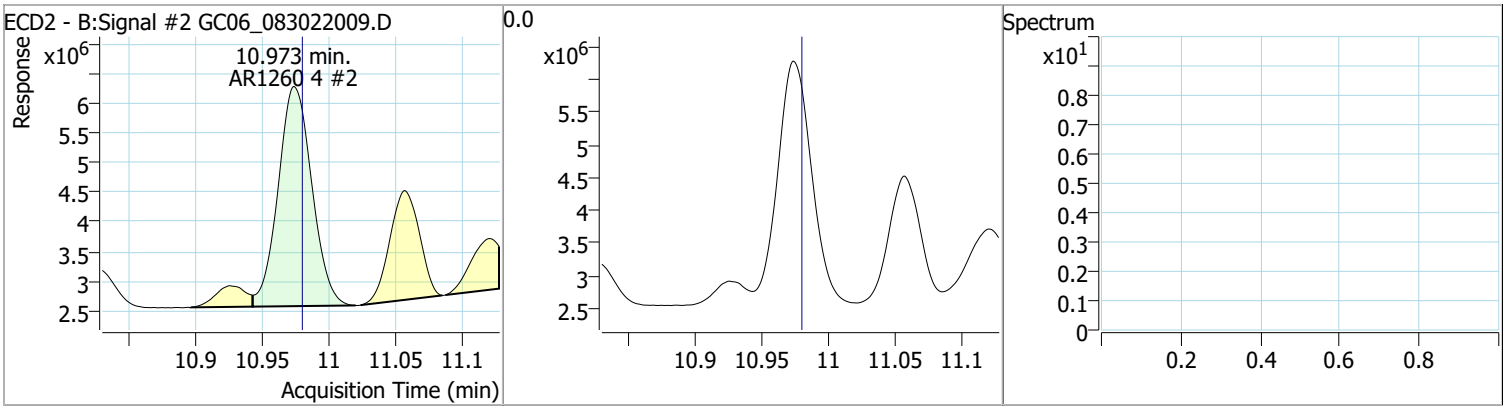
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	415.5025	10.47	0.00	11366438				



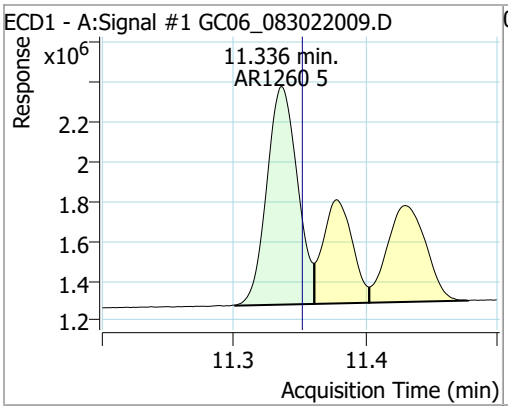
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	488.7142	10.61	-0.01	1559960				

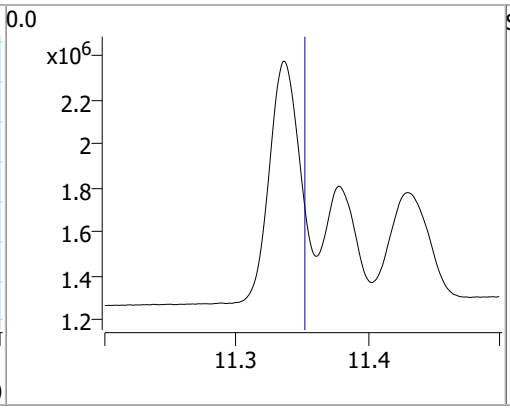


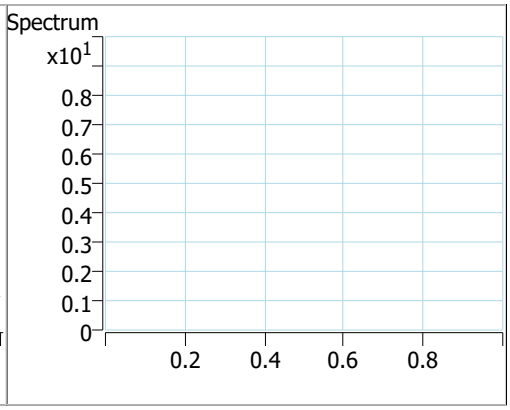
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	442.6714	10.97	-0.01	6552749				



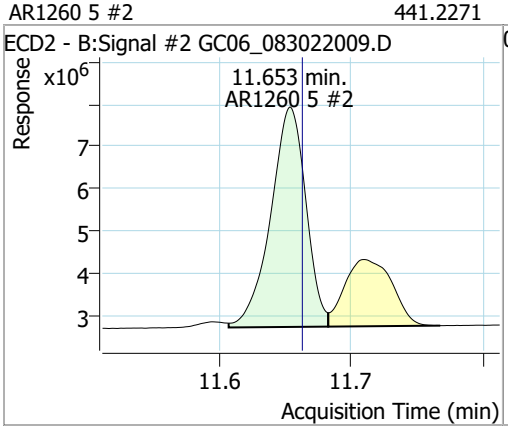
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	419.1172	11.34	-0.01	1770632				

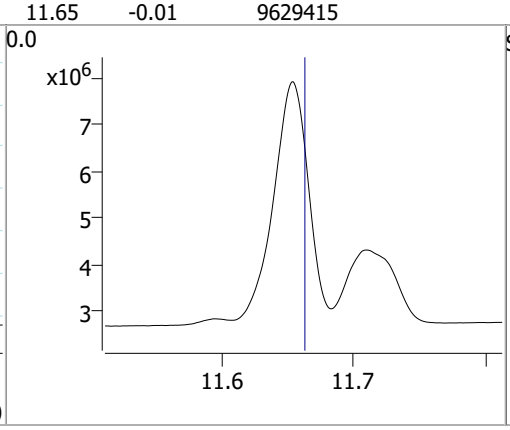


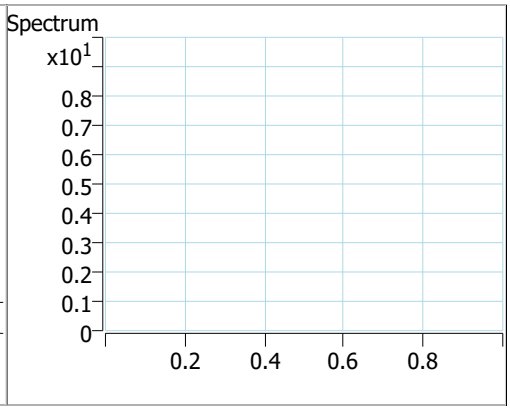




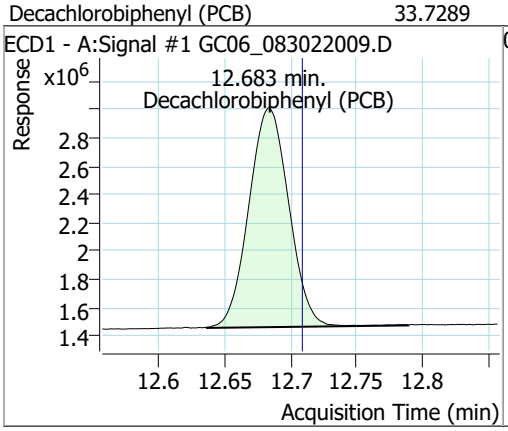
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	441.2271	11.65	-0.01	9629415				

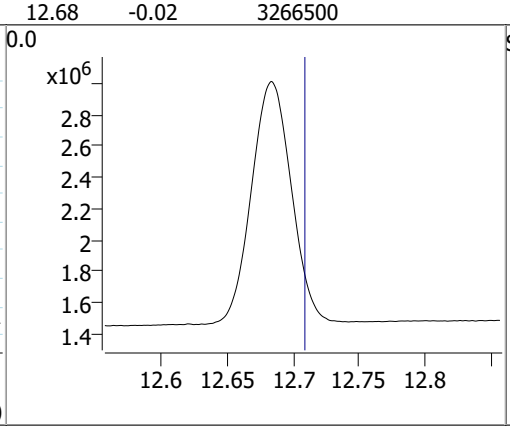


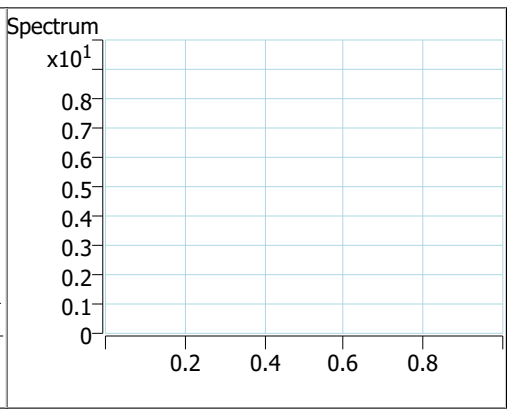




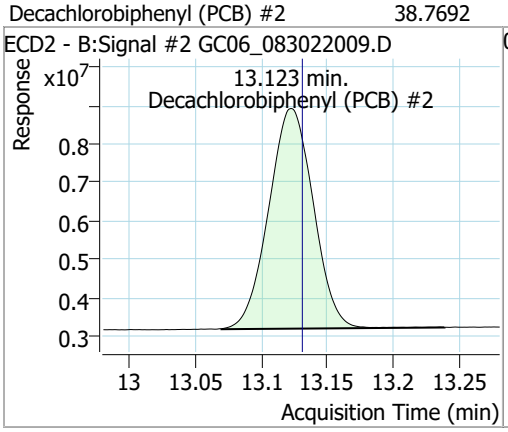
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	33.7289	12.68	-0.02	3266500				

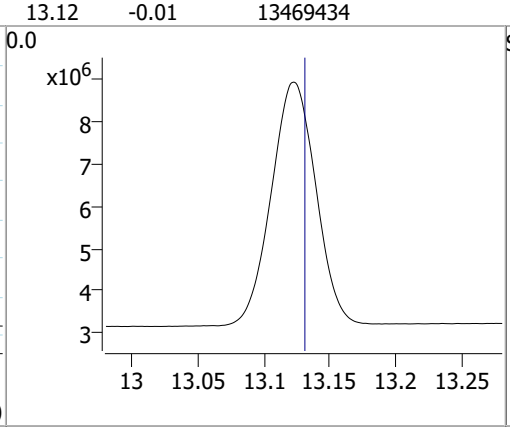


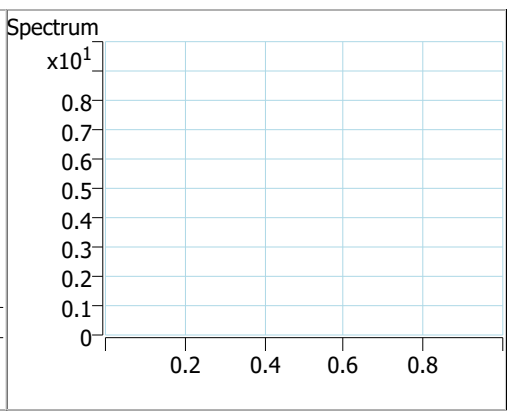




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	38.7692	13.12	-0.01	13469434				

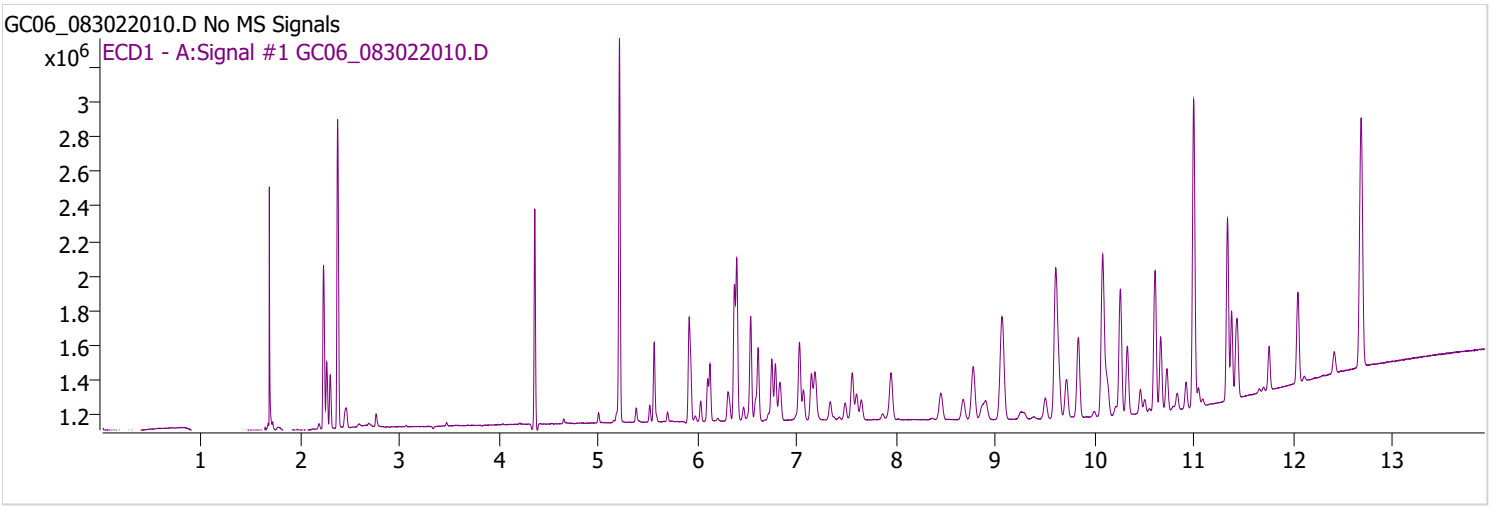


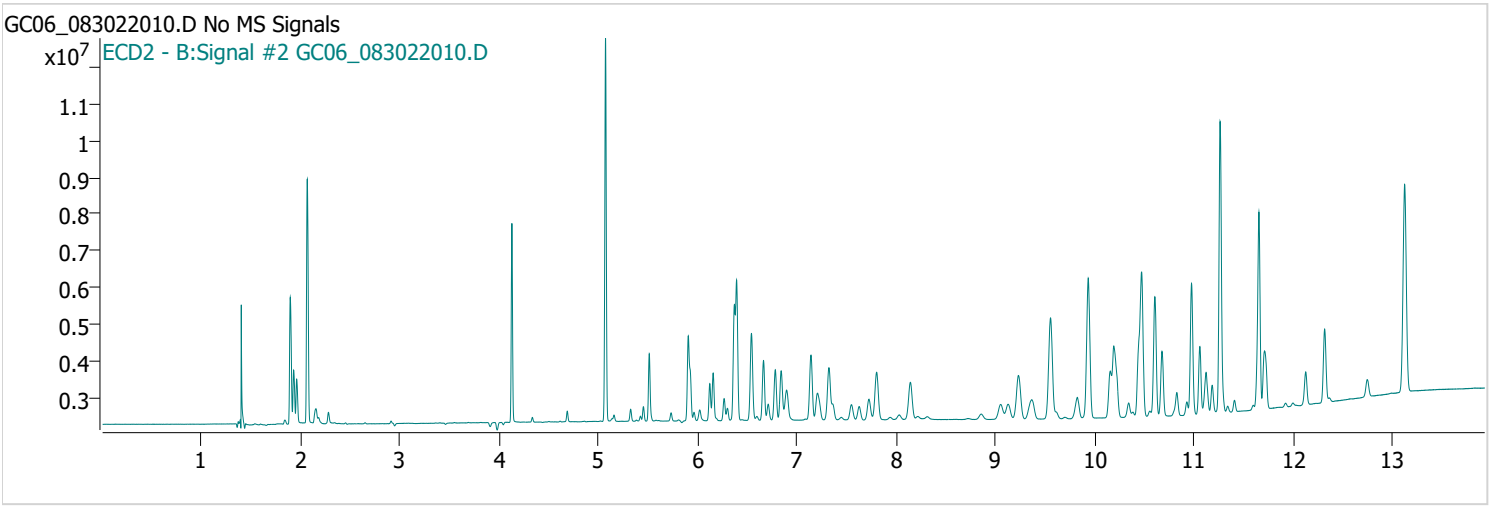




Quantitation Results Report (Not Reviewed)

Data File	GC06_083022010.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/30/2022 4:39:34 PM
Sample Name	QC1009632, 295971, 1	Instrument	SVOA-GC06
Vial	3	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	083022PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



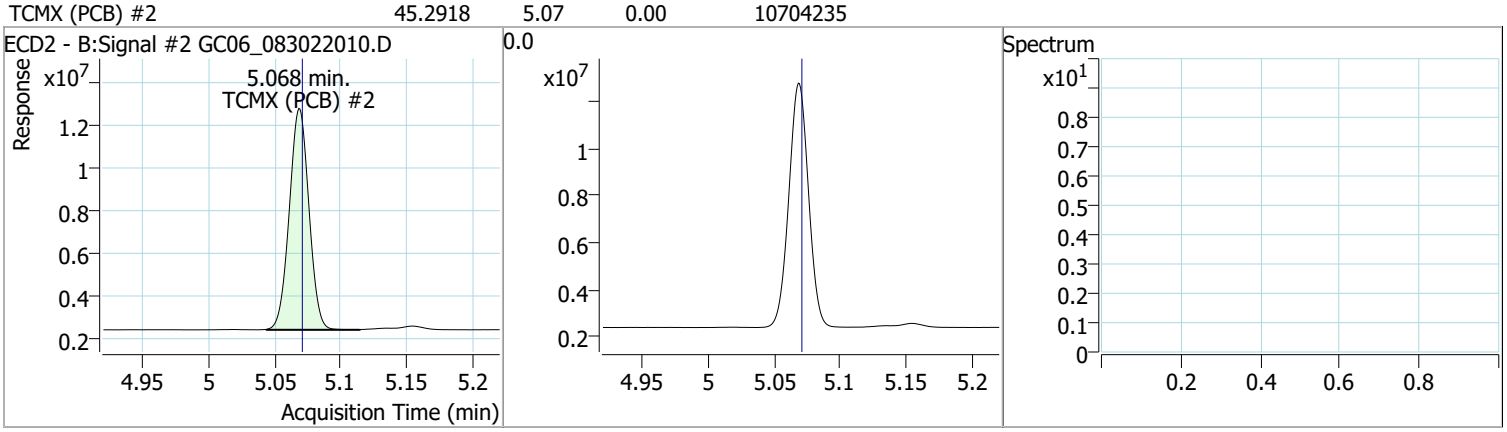


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	5159855.718	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.356	0.0	1182537.592	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB) #2	5.068	0.0	10704234.869	45.2918	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 226.46%		*	
S TCMX (PCB)	5.209	0.0	2406857.030	42.3143	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 211.57%		*	
S Decachlorobiphenyl (PCB)	12.683	0.0	3091105.886	34.3787	ng/ml		-0.024
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 171.89%		*	
S Decachlorobiphenyl (PCB) #2	13.121	0.0	12945414.825	41.5775	ng/ml		-0.009
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 207.89%		*	
Target Compounds							QValue

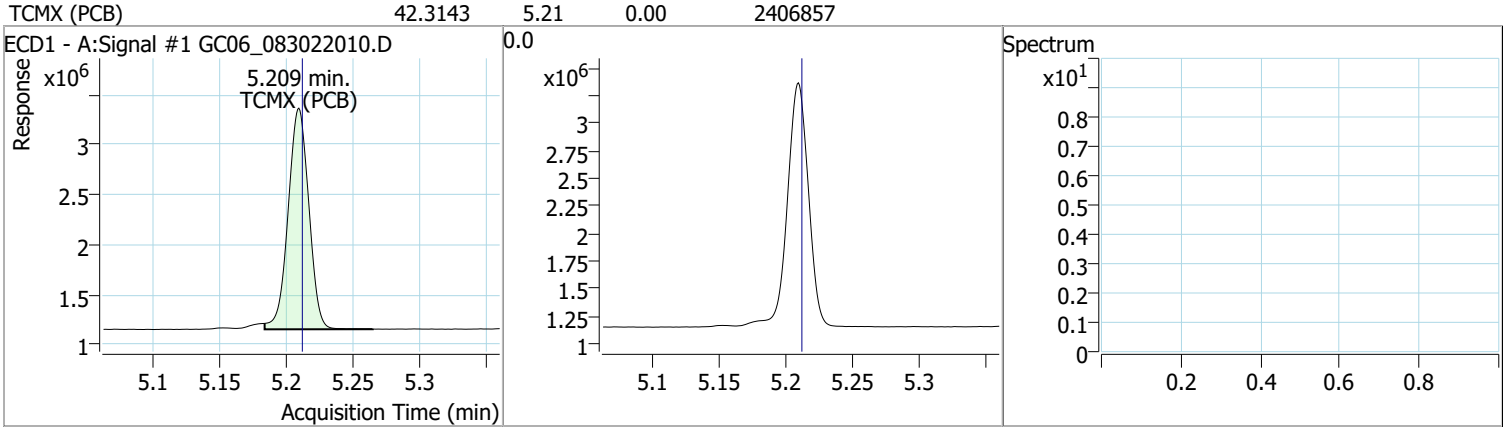
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.509	0.0	2211250.570	457.6219	ng/ml	100
T AR1016 1	5.559	0.0	564944.782	488.3982	ng/ml	100
T AR1016 2 #2	5.903	0.0	4626567.009	461.3786	ng/ml	100
T AR1016 2	5.912	0.0	1086614.025	431.4304	ng/ml	100
T AR1016 3 #2	6.389	0.0	5649077.446	427.1664	ng/ml	100
T AR1016 3	6.391	0.0	1303676.473	439.8104	ng/ml	100
T AR1016 4	6.532	0.0	885919.775	399.3850	ng/ml	100
T AR1016 4 #2	6.539	0.0	4077782.966	454.5021	ng/ml	100
T AR1016 5	7.023	0.0	803451.859	468.2434	ng/ml	100
T AR1016 5 #2	7.319	0.0	3774846.890	538.1480	ng/ml	100
T AR1260 1	9.063	0.0	1678207.617	450.9506	ng/ml	100
T AR1260 1 #2	9.553	0.0	7682785.219	491.9572	ng/ml	100
T AR1260 2	9.605	0.0	2507304.576	437.4252	ng/ml	100
T AR1260 2 #2	9.933	0.0	8577388.376	475.3411	ng/ml	100
T AR1260 3	10.078	0.0	2561311.079	429.8398	ng/ml	100
T AR1260 3 #2	10.470	0.0	10919442.203	445.4039	ng/ml	100
T AR1260 4	10.607	0.0	1486137.868	501.4840	ng/ml	100
T AR1260 4 #2	10.973	0.0	6342818.733	478.1284	ng/ml	100
T AR1260 5	11.336	0.0	1687547.030	430.2488	ng/ml	100
T AR1260 5 #2	11.653	0.0	9344892.666	477.7942	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

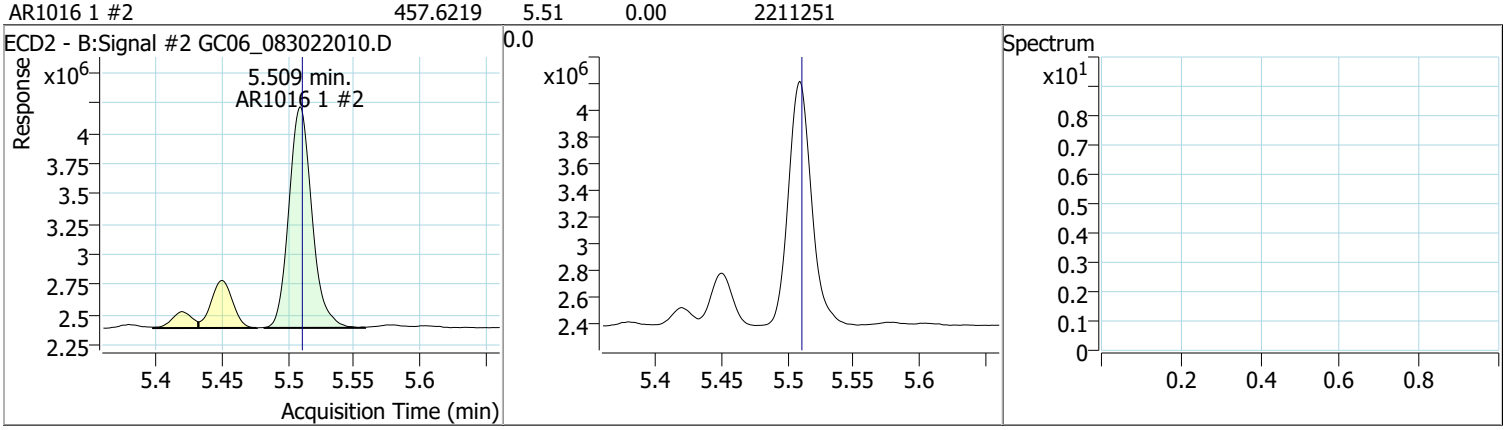
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	45.2918	5.07	0.00	10704235				



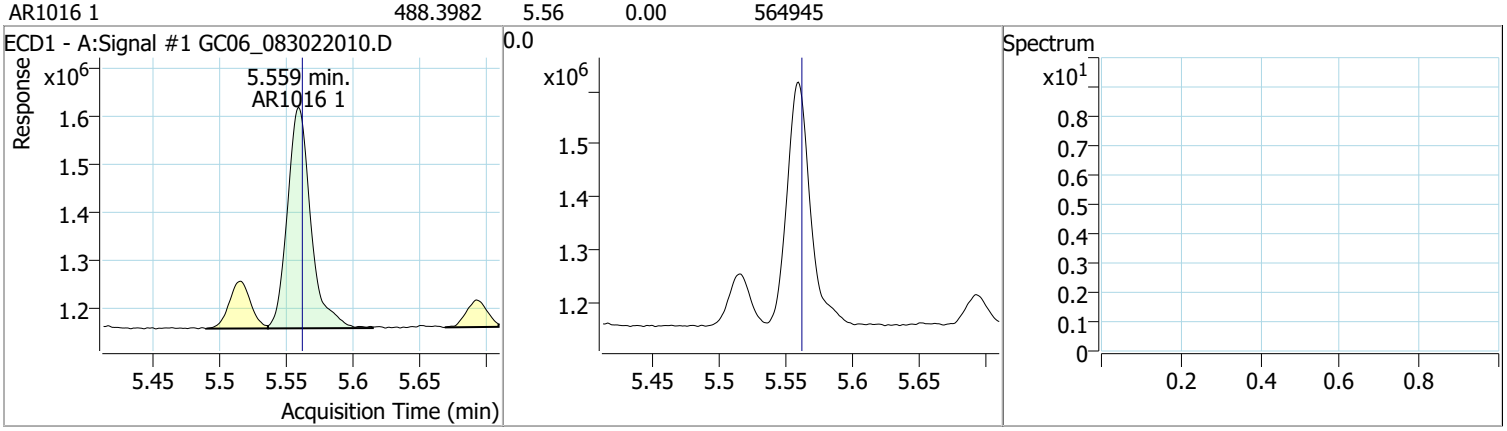
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	42.3143	5.21	0.00	2406857				



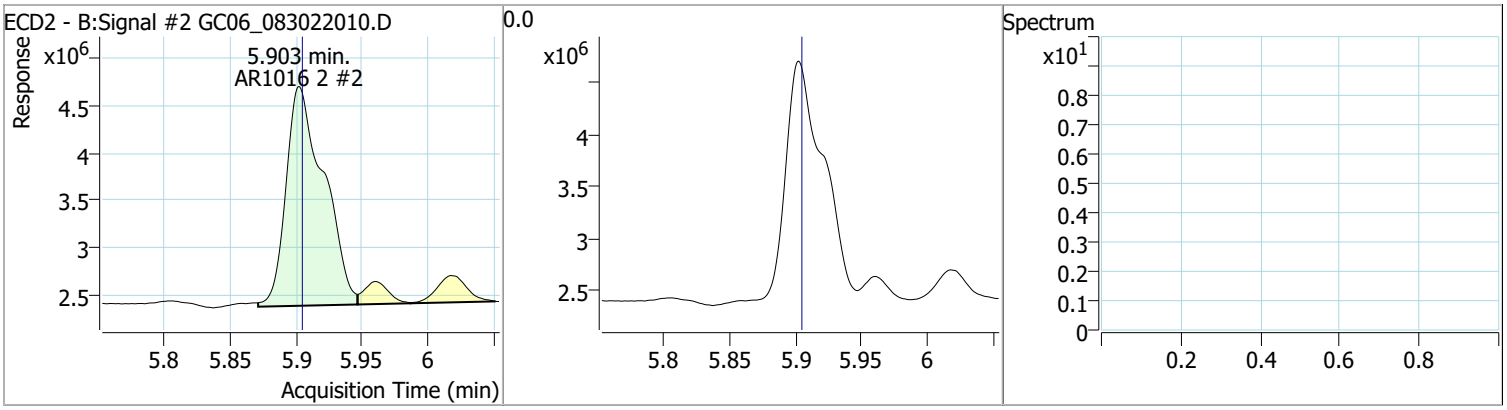
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	457.6219	5.51	0.00	2211251				



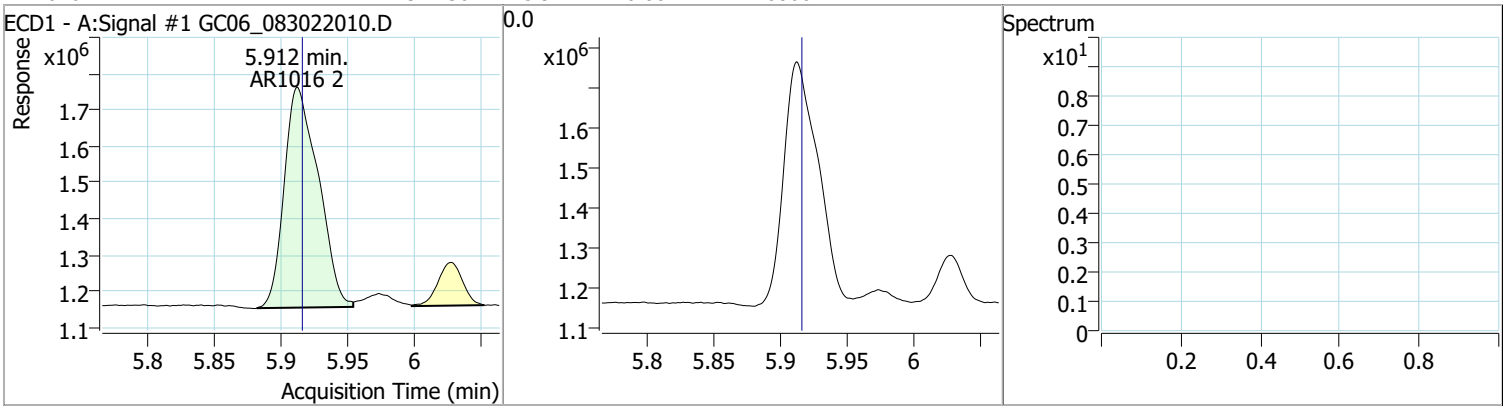
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	488.3982	5.56	0.00	564945				



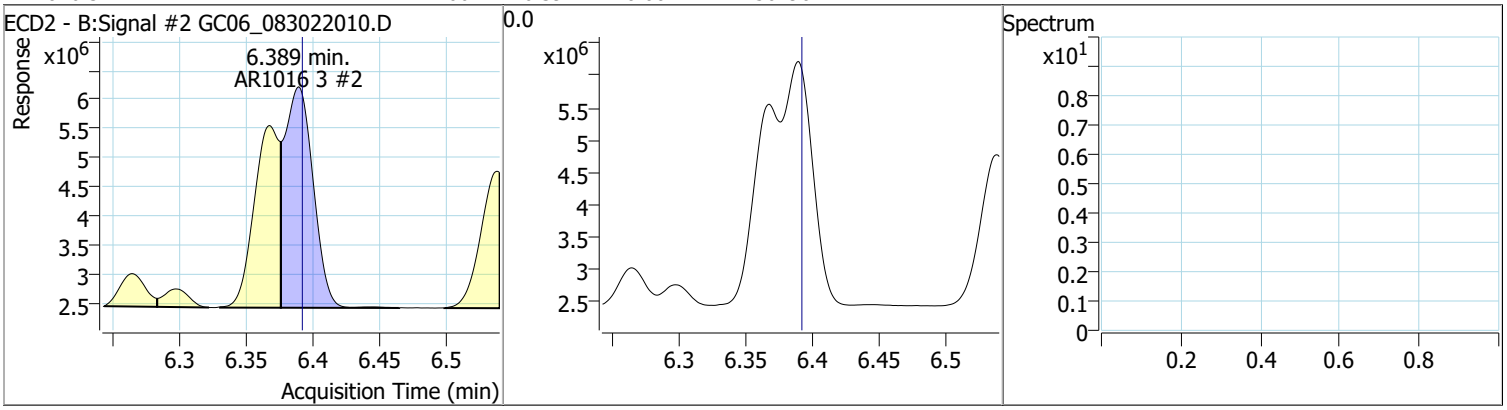
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	461.3786	5.90	0.00	4626567				



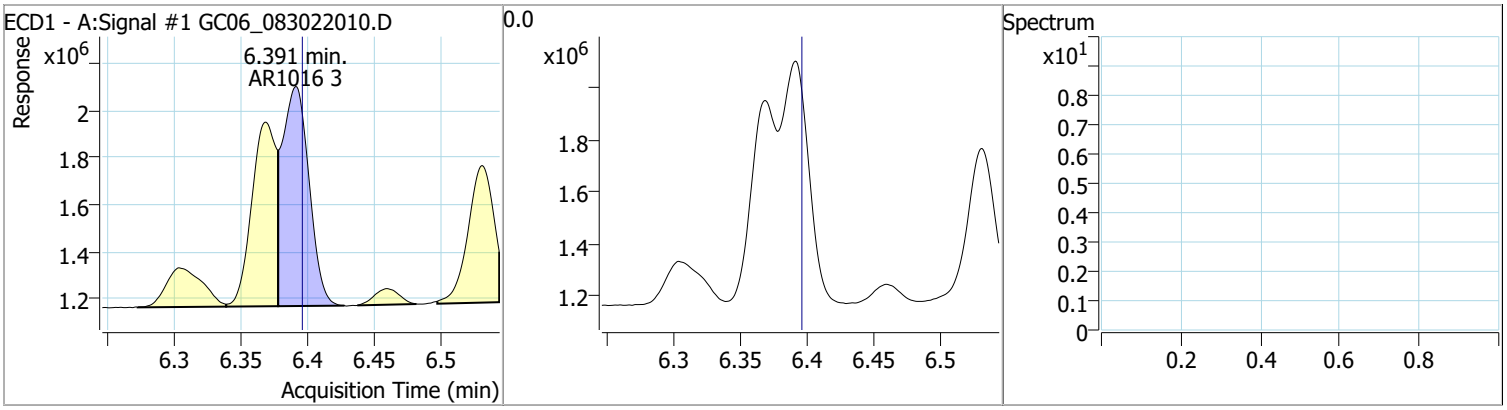
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	431.4304	5.91	0.00	1086614				



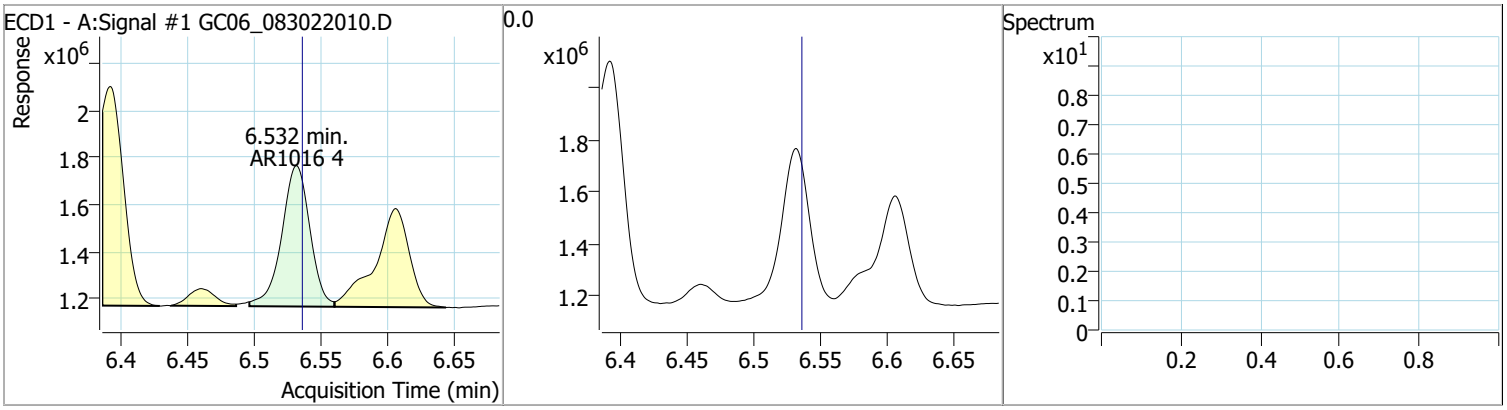
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	427.1664	6.39	0.00	5649077				



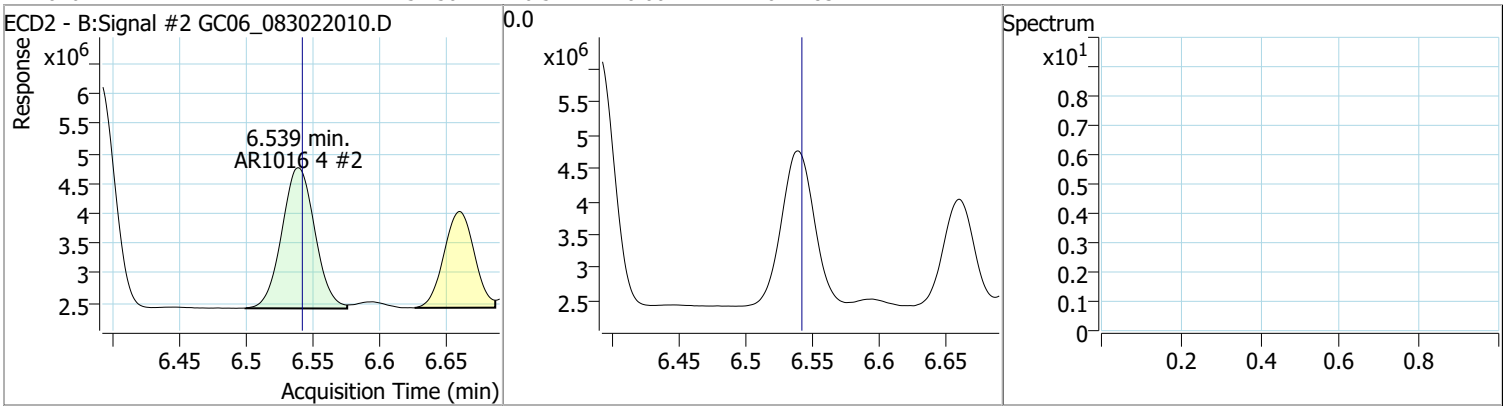
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	439.8104	6.39	0.00	1303676				



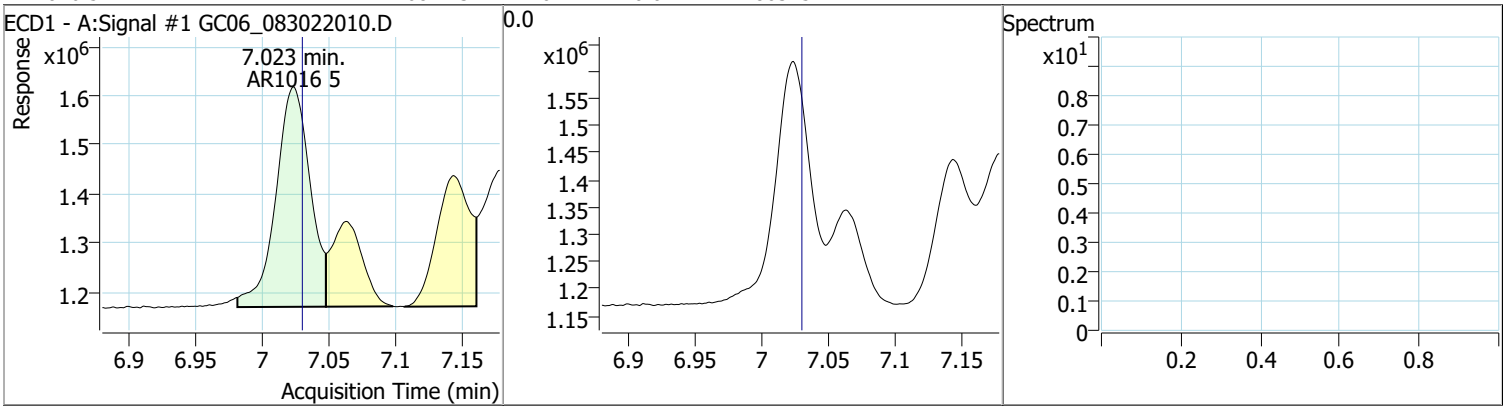
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	399.3850	6.53	0.00	885920				



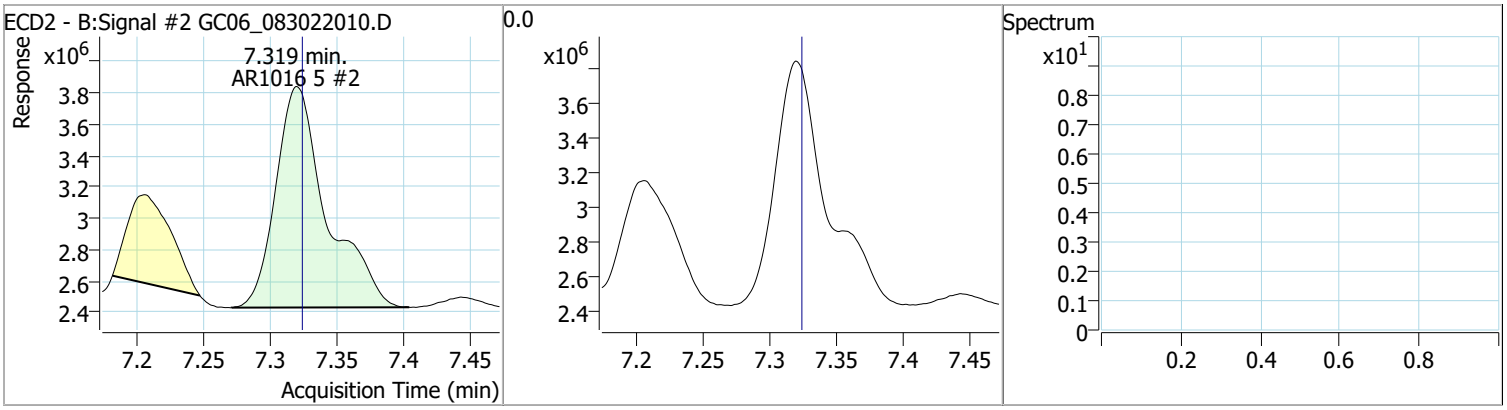
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	454.5021	6.54	0.00	4077783				



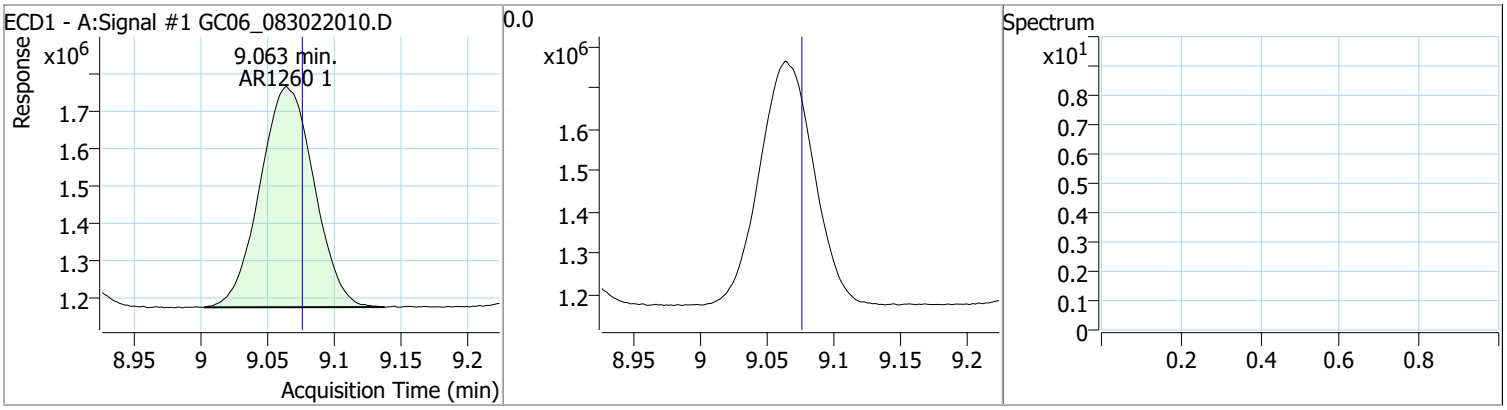
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	468.2434	7.02	-0.01	803452				



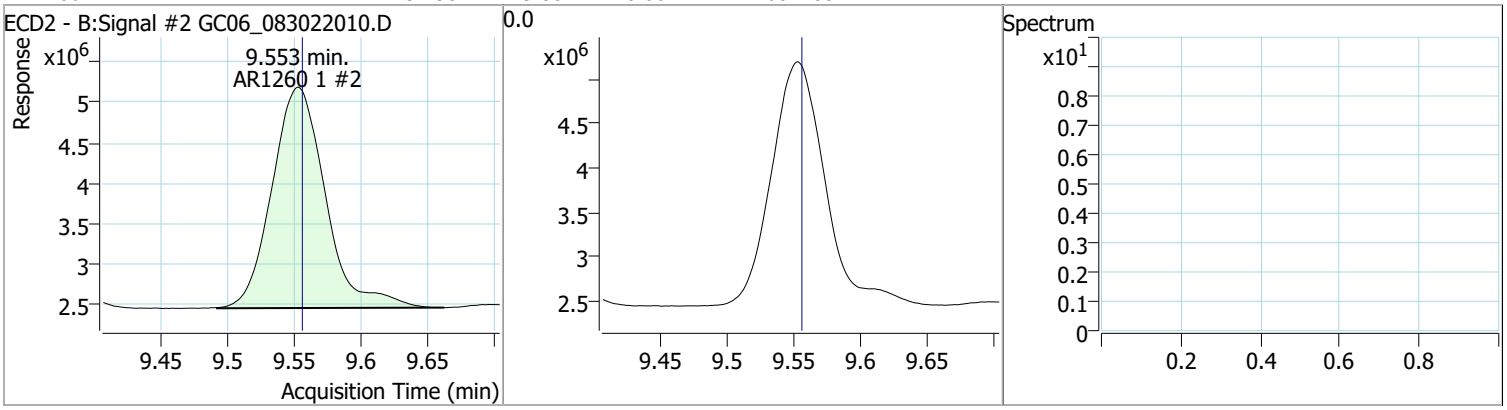
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	538.1480	7.32	0.00	3774847				



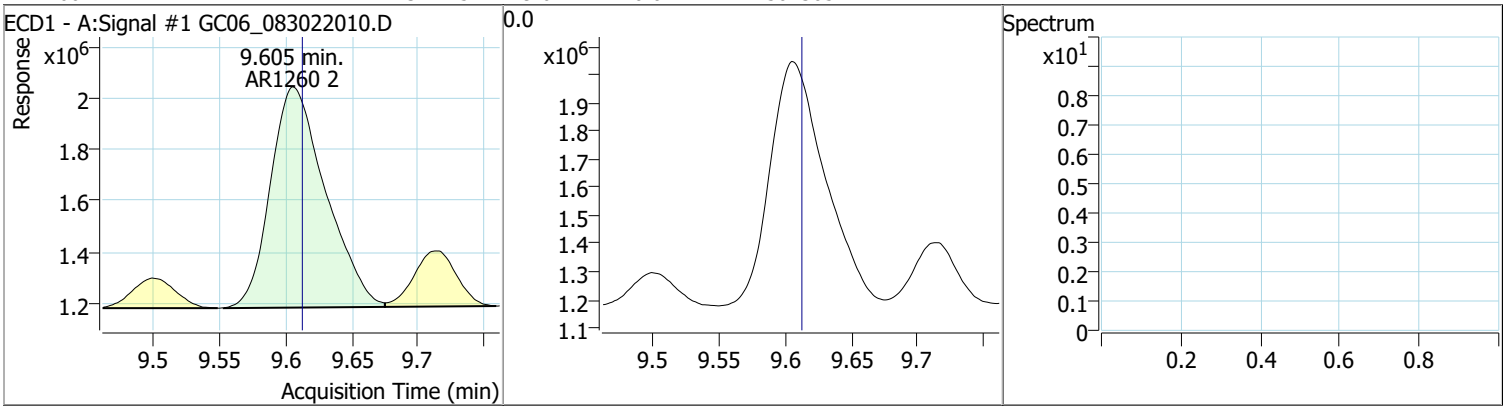
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	450.9506	9.06	-0.01	1678208				



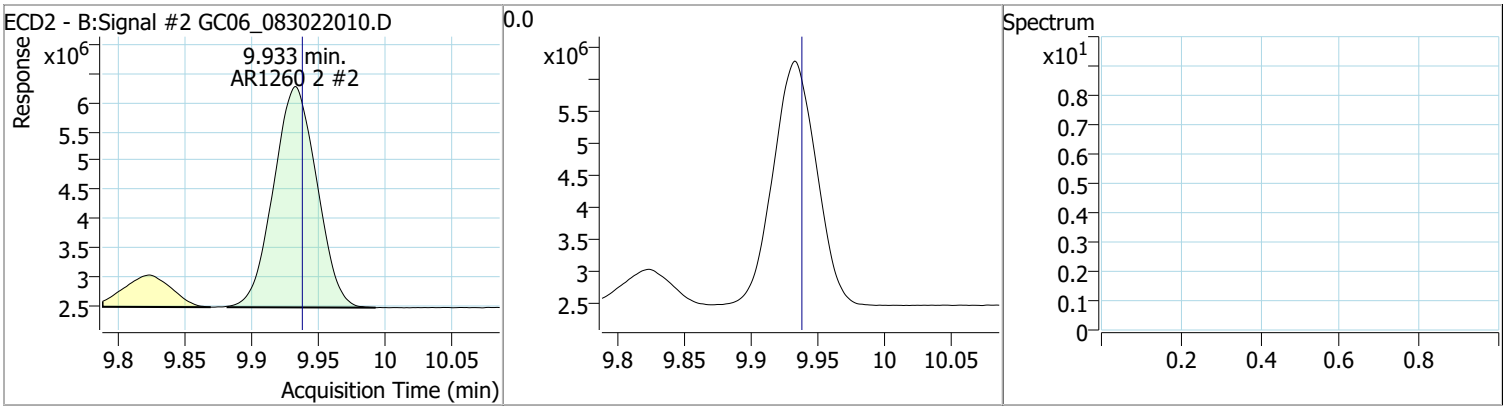
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	491.9572	9.55	0.00	7682785				



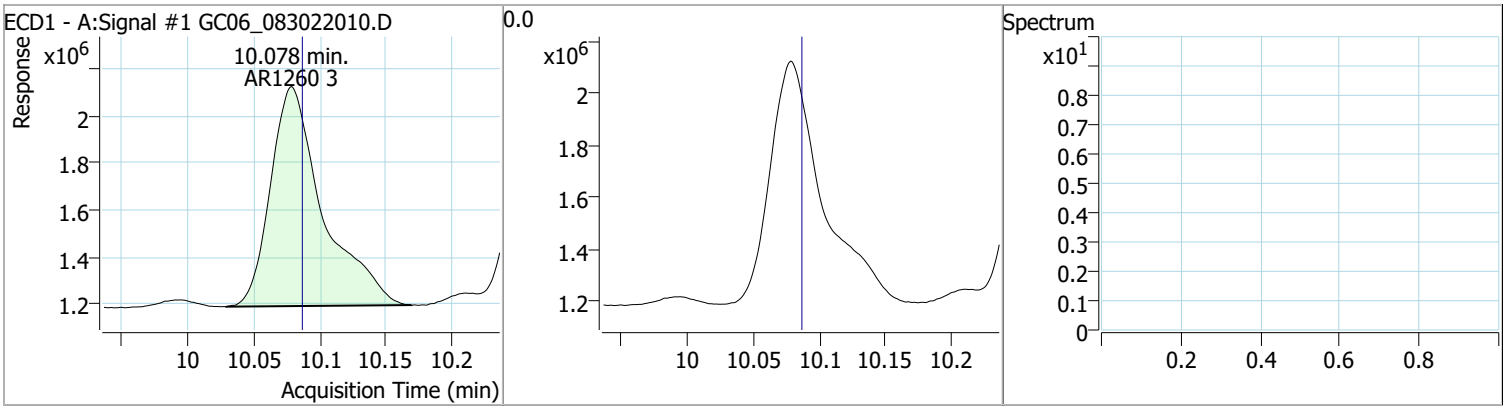
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	437.4252	9.61	-0.01	2507305				



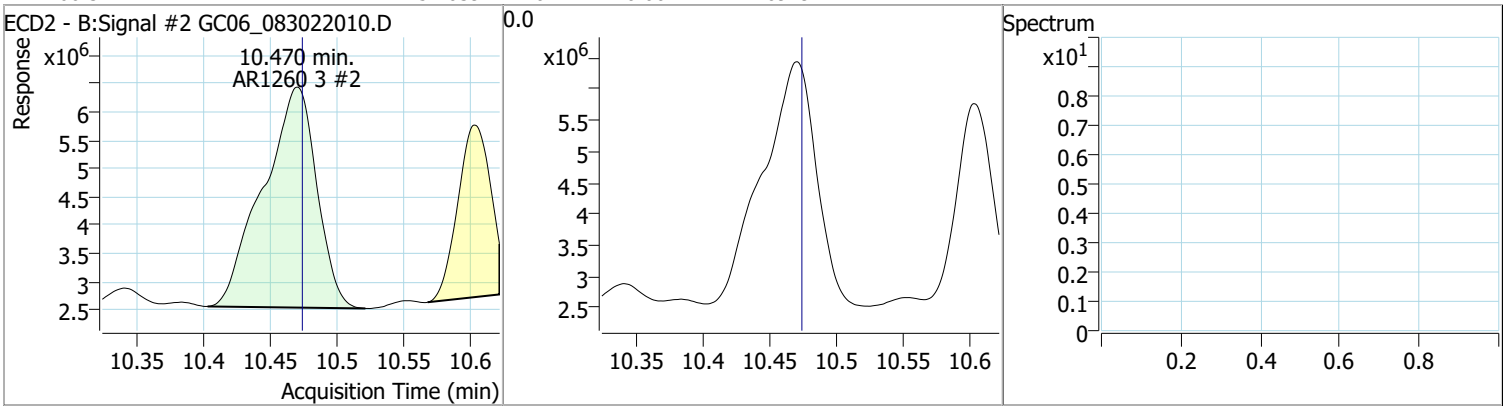
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	475.3411	9.93	0.00	8577388				



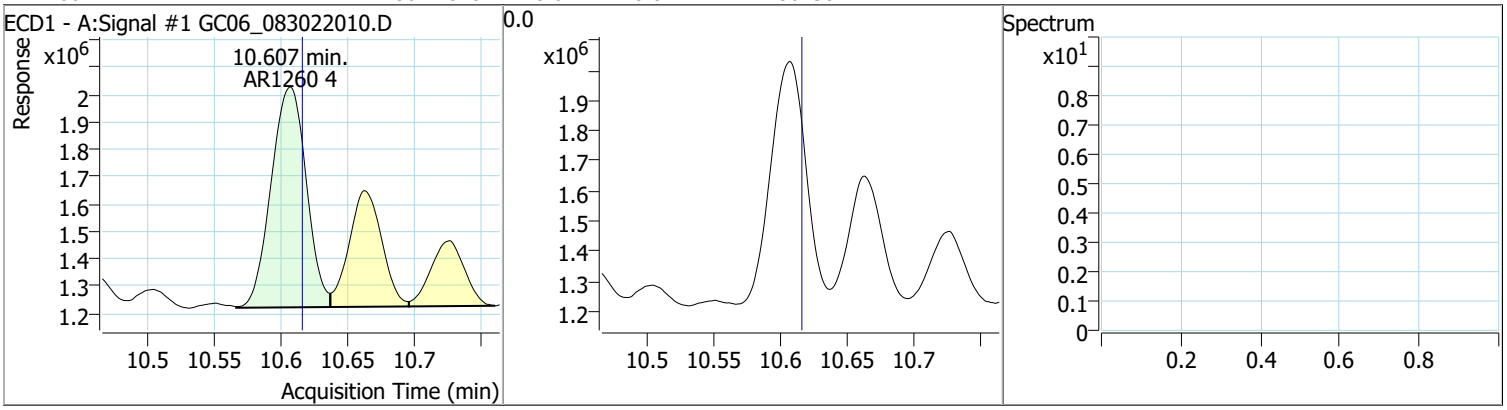
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	429.8398	10.08	-0.01	2561311				



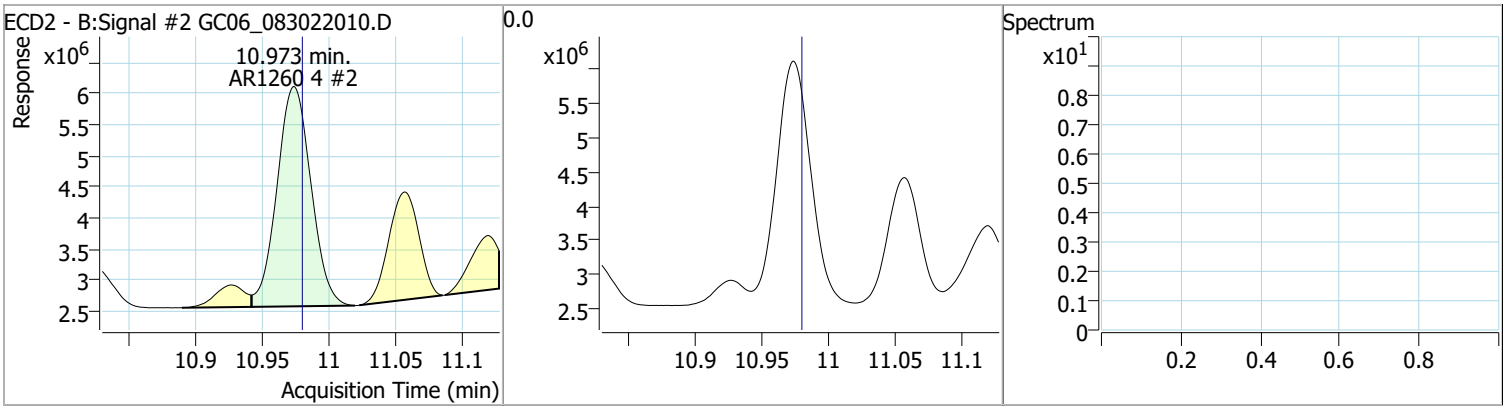
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	445.4039	10.47	0.00	10919442				



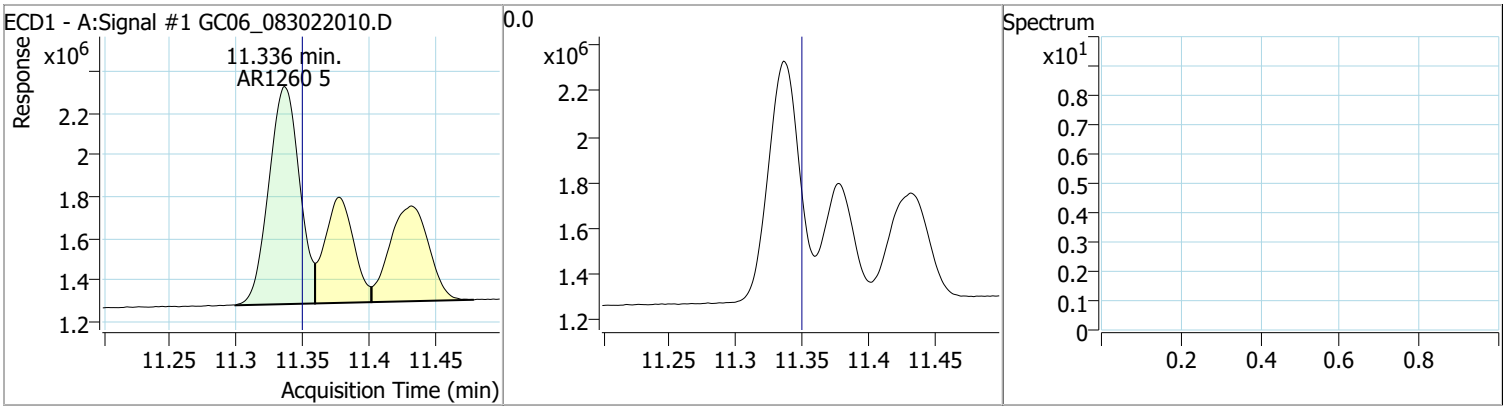
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	501.4840	10.61	-0.01	1486138				



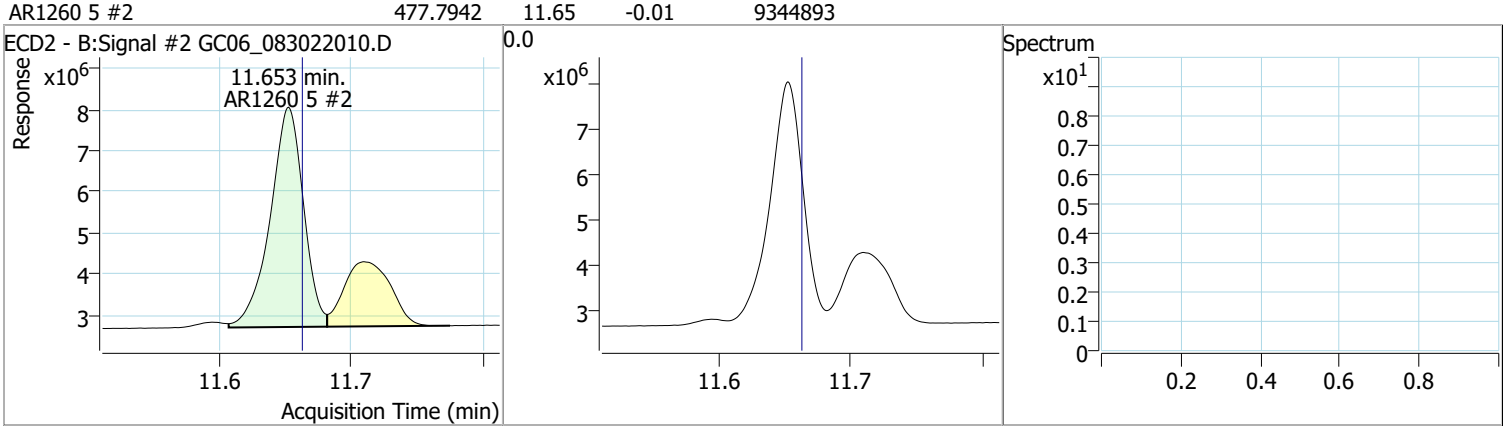
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	478.1284	10.97	-0.01	6342819				



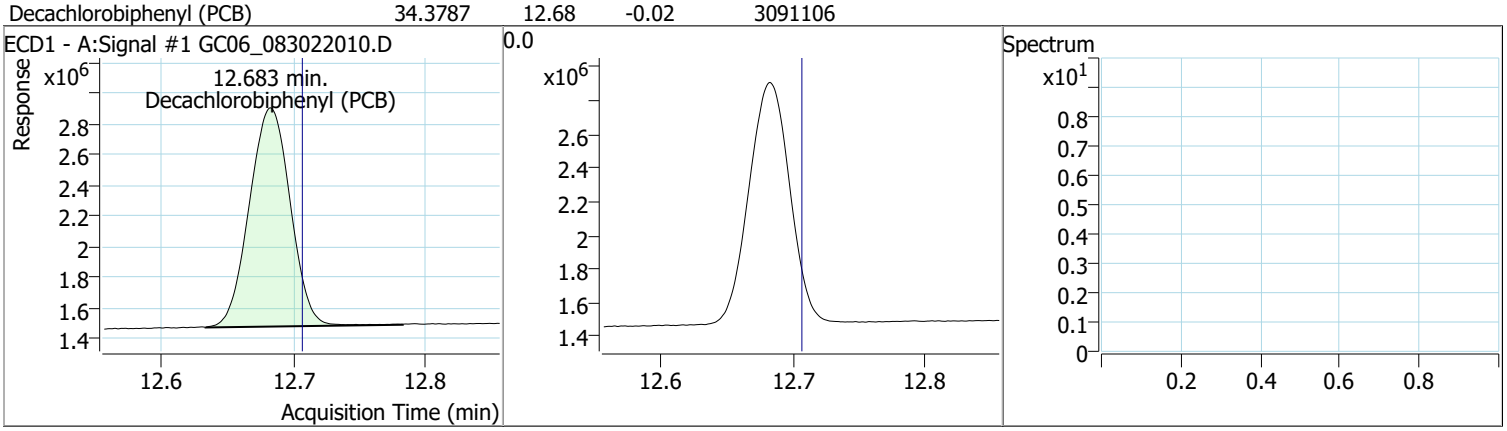
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	430.2488	11.34	-0.01	1687547				



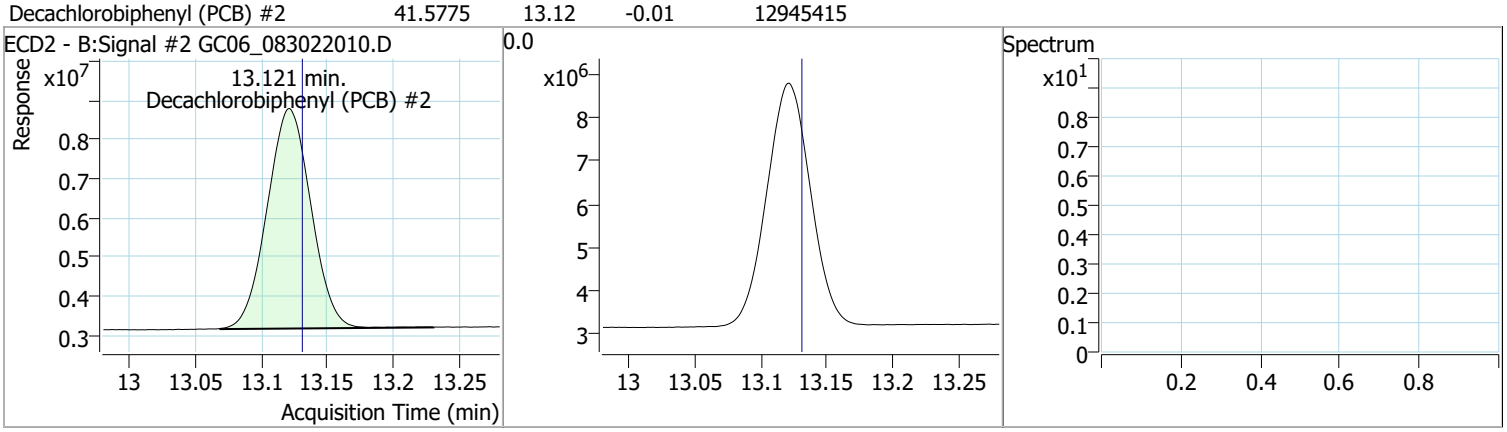
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	477.7942	11.65	-0.01	9344893				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	34.3787	12.68	-0.02	3091106				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	41.5775	13.12	-0.01	12945415				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 467769 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_041422015	452150634015		14-APR-2022 18:41	S16585 (100X), S16100 (250X)
L2	gc06_041422016	452150634016		14-APR-2022 18:58	S16585 (40X), S16100 (250X)
L3	gc06_041422017	452150634017		14-APR-2022 19:16	S16585 (20X), S16100 (250X)
L4	gc06_041422018	452150634018		14-APR-2022 19:33	S16585 (8X), S16100 (250X)
L5	gc06_041422019	452150634019		14-APR-2022 19:51	S16585 (4X), S16100 (250X)
L6	gc06_041422020	452150634020		14-APR-2022 20:09	S16585 (2.667X), S16100 (250X)
L7	gc06_041422021	452150634021		14-APR-2022 20:26	S16585 (2X), S16100 (250X)
L8	gc06_041422022	452150634022		14-APR-2022 20:44	S16585 (1.33X), S16100 (250X)
L9	gc06_041422023	452150634023		14-APR-2022 21:01	S16585, S16100 (250X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		51.1278		0.0196	12	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		23.4813		0.0426	17	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		19.9522		0.0501	7	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		26.6618		0.0375	10	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		34.4669		0.0290	13	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		15.8917		0.0629	17	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		10.3178		0.0969	16	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		9.92526		0.1008	11	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		19.9568		0.0501	14	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		15.0787		0.0663	10	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.65776		1.5203	11	9	.99	20	
TCMX (PCB)	A	AVRG		1.03976		0.9618	12	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		53.4063		0.0187	13	8	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		25.7342		0.0389	10	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		19.5135		0.0512	8	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		28.7624		0.0348	10	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		36.7890		0.0272	8	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		16.5241		0.0605	17	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		14.3009		0.0699	15	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		10.5262		0.0950	13	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		19.4527		0.0514	13	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		13.1942		0.0758	14	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.82881		1.2065	11	9	.99	20	
TCMX (PCB)	B	AVRG		1.09191		0.9158	4	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 467769 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0231	0.0227	0.0209	0.0201	0.0187	0.0179	0.0181	0.0177	0.0170
Aroclor-1016 Peak # 2	A	0.0579	0.0492	0.0459	0.0411	0.0401	0.0377	0.0380	0.0376	0.0358
Aroclor-1016 Peak # 3	A	0.0556	0.0544	0.0533	0.0502	0.0495	0.0465	0.0475	0.0478	0.0462
Aroclor-1016 Peak # 4	A	0.0452	0.0402	0.0403	0.0373	0.0367	0.0344	0.0348	0.0349	0.0336
Aroclor-1016 Peak # 5	A	0.0366	0.0313	0.0318	0.0288	0.0282	0.0260	0.0265	0.0266	0.0254
Aroclor-1260 Peak # 1	A	0.0863	0.0696	0.0704	0.0605	0.0604	0.0546	0.0553	0.0564	0.0528
Aroclor-1260 Peak # 2	A	0.1290	0.1076	0.1081	0.0929	0.0932	0.0843	0.0856	0.0887	0.0829
Aroclor-1260 Peak # 3	A	0.1233	0.1080	0.1086	0.0954	0.0970	0.0903	0.0930	0.0985	0.0928
Aroclor-1260 Peak # 4	A	0.0649	0.0543	0.0546	0.0479	0.0490	0.0442	0.0449	0.0473	0.0440
Aroclor-1260 Peak # 5	A	0.0797	0.0687	0.0724	0.0626	0.0650	0.0598	0.0618	0.0654	0.0615
Decachlorobiphenyl (PCB)	A	1.7379	1.5882	1.7199	1.5711	1.6300	1.3467	1.3670	1.4227	1.2993
TCMX (PCB)	A	1.2458	1.0303	0.9495	0.8937	0.9019	0.8810	0.9149	0.9235	0.9152
Aroclor-1016 Peak # 1	B		0.0232	0.0215	0.0191	0.0183	0.0172	0.0173	0.0168	0.0162
Aroclor-1016 Peak # 2	B	0.0444	0.0428	0.0426	0.0397	0.0384	0.0360	0.0363	0.0355	0.0340
Aroclor-1016 Peak # 3	B	0.0572	0.0573	0.0541	0.0510	0.0506	0.0471	0.0486	0.0480	0.0473
Aroclor-1016 Peak # 4	B	0.0420	0.0372	0.0371	0.0352	0.0341	0.0320	0.0325	0.0320	0.0309
Aroclor-1016 Peak # 5	B	0.0313	0.0295	0.0290	0.0271	0.0270	0.0252	0.0256	0.0255	0.0245
Aroclor-1260 Peak # 1	B	0.0820	0.0682	0.0674	0.0585	0.0578	0.0528	0.0531	0.0540	0.0509
Aroclor-1260 Peak # 2	B	0.0913	0.0772	0.0777	0.0683	0.0672	0.0613	0.0623	0.0639	0.0601
Aroclor-1260 Peak # 3	B	0.1205	0.1032	0.1035	0.0913	0.0919	0.0839	0.0860	0.0896	0.0852
Aroclor-1260 Peak # 4	B	0.0648	0.0555	0.0557	0.0505	0.0510	0.0461	0.0439	0.0490	0.0462
Aroclor-1260 Peak # 5	B	0.0991	0.0829	0.0833	0.0720	0.0729	0.0663	0.0670	0.0713	0.0673
Decachlorobiphenyl (PCB)	B	1.4005	1.2744	1.3672	1.2436	1.2790	1.0642	1.0803	1.1172	1.0325
TCMX (PCB)	B	1.0035	0.9180	0.8869	0.8884	0.9009	0.8817	0.9159	0.9229	0.9244

ENTHALPY INITIAL CALIBRATION FOR 467769 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	18	50.000	16	100.00	7	250.00	3	500.00	-4	749.91	-9	1000.0	-8	1503.8	-10
Aroclor-1016 Peak # 2	A	20.000	**36**	50.000	15	100.00	8	250.00	-3	500.00	-6	749.91	-11	1000.0	-11	1503.8	-12
Aroclor-1016 Peak # 3	A	20.000	11	50.000	9	100.00	6	250.00	0	500.00	-1	749.91	-7	1000.0	-5	1503.8	-5
Aroclor-1016 Peak # 4	A	20.000	**21**	50.000	7	100.00	8	250.00	-1	500.00	-2	749.91	-8	1000.0	-7	1503.8	-7
Aroclor-1016 Peak # 5	A	20.000	**26**	50.000	8	100.00	9	250.00	-1	500.00	-3	749.91	-11	1000.0	-9	1503.8	-8
Aroclor-1260 Peak # 1	A	20.000	**37**	50.000	11	100.00	12	250.00	-4	500.00	-4	749.91	-13	1000.0	-12	1503.8	-10
Aroclor-1260 Peak # 2	A	20.000	**33**	50.000	11	100.00	11	250.00	-4	500.00	-4	749.91	-13	1000.0	-12	1503.8	-8
Aroclor-1260 Peak # 3	A	20.000	**22**	50.000	7	100.00	8	250.00	-5	500.00	-4	749.91	-10	1000.0	-8	1503.8	-2
Aroclor-1260 Peak # 4	A	20.000	**29**	50.000	8	100.00	9	250.00	-4	500.00	-2	749.91	-12	1000.0	-10	1503.8	-6
Aroclor-1260 Peak # 5	A	20.000	20	50.000	4	100.00	9	250.00	-6	500.00	-2	749.91	-10	1000.0	-7	1503.8	-1
Decachlorobiphenyl (PCB)	A	0.8000	14	2.0000	4	4.0000	13	10.000	3	20.000	7	29.996	-11	40.000	-10	60.150	-6
TCMX (PCB)	A	0.8000	**30**	2.0000	7	4.0000	-1	10.000	-7	20.000	-6	29.996	-8	40.000	-5	60.150	-4
Aroclor-1016 Peak # 1	B			50.000	**24**	100.00	15	250.00	2	500.00	-2	749.91	-8	1000.0	-8	1503.8	-10
Aroclor-1016 Peak # 2	B	20.000	14	50.000	10	100.00	10	250.00	2	500.00	-1	749.91	-7	1000.0	-7	1503.8	-9
Aroclor-1016 Peak # 3	B	20.000	12	50.000	12	100.00	6	250.00	0	500.00	-1	749.91	-8	1000.0	-5	1503.8	-6
Aroclor-1016 Peak # 4	B	20.000	**21**	50.000	7	100.00	7	250.00	1	500.00	-2	749.91	-8	1000.0	-6	1503.8	-8
Aroclor-1016 Peak # 5	B	20.000	15	50.000	8	100.00	7	250.00	0	500.00	-1	749.91	-7	1000.0	-6	1503.8	-6
Aroclor-1260 Peak # 1	B	20.000	**35**	50.000	13	100.00	11	250.00	-3	500.00	-4	749.91	-13	1000.0	-12	1503.8	-11
Aroclor-1260 Peak # 2	B	20.000	**31**	50.000	10	100.00	11	250.00	-2	500.00	-4	749.91	-12	1000.0	-11	1503.8	-9
Aroclor-1260 Peak # 3	B	20.000	**27**	50.000	9	100.00	9	250.00	-4	500.00	-3	749.91	-12	1000.0	-10	1503.8	-6
Aroclor-1260 Peak # 4	B	20.000	**26**	50.000	8	100.00	8	250.00	-2	500.00	-1	749.91	-10	1000.0	-15	1503.8	-5
Aroclor-1260 Peak # 5	B	20.000	**31**	50.000	9	100.00	10	250.00	-5	500.00	-4	749.91	-13	1000.0	-12	1503.8	-6
Decachlorobiphenyl (PCB)	B	0.8000	16	2.0000	6	4.0000	13	10.000	3	20.000	6	29.996	-12	40.000	-10	60.150	-7
TCMX (PCB)	B	0.8000	10	2.0000	0	4.0000	-3	10.000	-3	20.000	-2	29.996	-4	40.000	0	60.150	1

ENTHALPY INITIAL CALIBRATION FOR 467769 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-13
Aroclor-1016 Peak # 2	A	2000.0	-16
Aroclor-1016 Peak # 3	A	2000.0	-8
Aroclor-1016 Peak # 4	A	2000.0	-10
Aroclor-1016 Peak # 5	A	2000.0	-12
Aroclor-1260 Peak # 1	A	2000.0	-16
Aroclor-1260 Peak # 2	A	2000.0	-14
Aroclor-1260 Peak # 3	A	2000.0	-8
Aroclor-1260 Peak # 4	A	2000.0	-12
Aroclor-1260 Peak # 5	A	2000.0	-7
Decachlorobiphenyl (PCB)	A	80.000	-15
TCMX (PCB)	A	80.000	-5
Aroclor-1016 Peak # 1	B	2000.0	-14
Aroclor-1016 Peak # 2	B	2000.0	-12
Aroclor-1016 Peak # 3	B	2000.0	-8
Aroclor-1016 Peak # 4	B	2000.0	-11
Aroclor-1016 Peak # 5	B	2000.0	-10
Aroclor-1260 Peak # 1	B	2000.0	-16
Aroclor-1260 Peak # 2	B	2000.0	-14
Aroclor-1260 Peak # 3	B	2000.0	-10
Aroclor-1260 Peak # 4	B	2000.0	-10
Aroclor-1260 Peak # 5	B	2000.0	-11
Decachlorobiphenyl (PCB)	B	80.000	-14
TCMX (PCB)	B	80.000	1

TJW 04/15/22 : Manually integrated due to baseline corrections for all channels in multiple levels

Analyst: TJW 04/15/22

Reviewer: LW 04/15/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 467769 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_041422_1
Calnum:	452150634002	Cal Date:	14-APR-2022

- ICV 452150634025 (gc06_041422025 14-APR-2022) stds: S16736

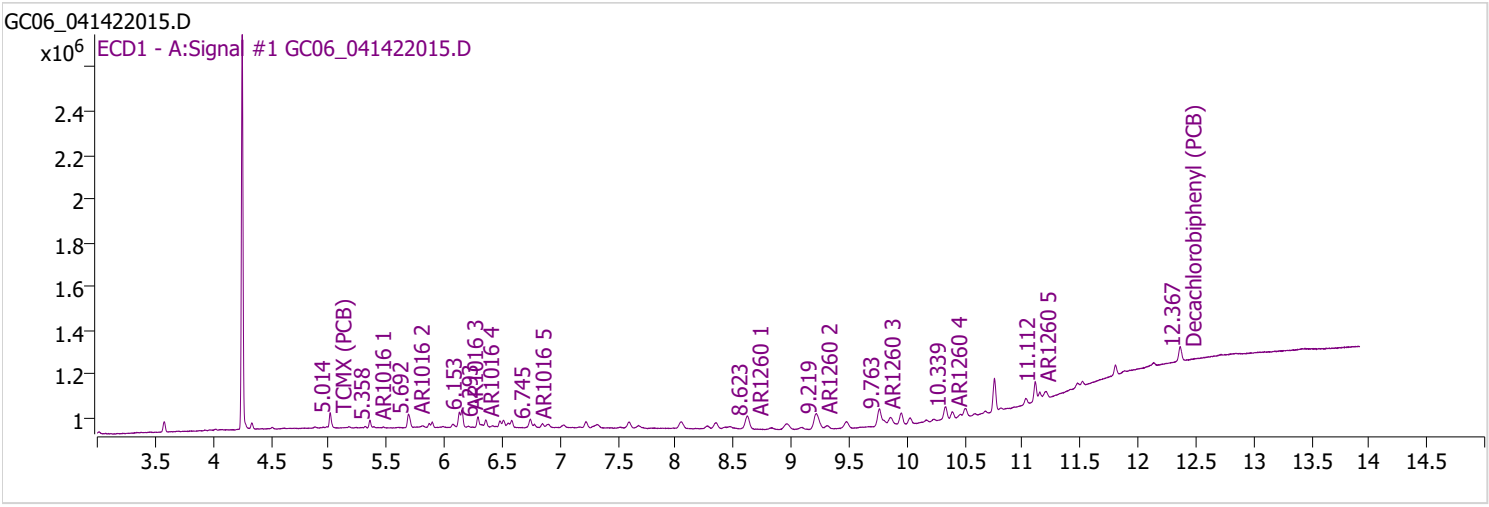
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	470.1	ug/L	-6	15	
Aroclor-1260	A	500.0	484.1	ug/L	-3	15	
Aroclor-1016	B	500.0	481.4	ug/L	-4	15	
Aroclor-1260	B	500.0	486.3	ug/L	-3	15	

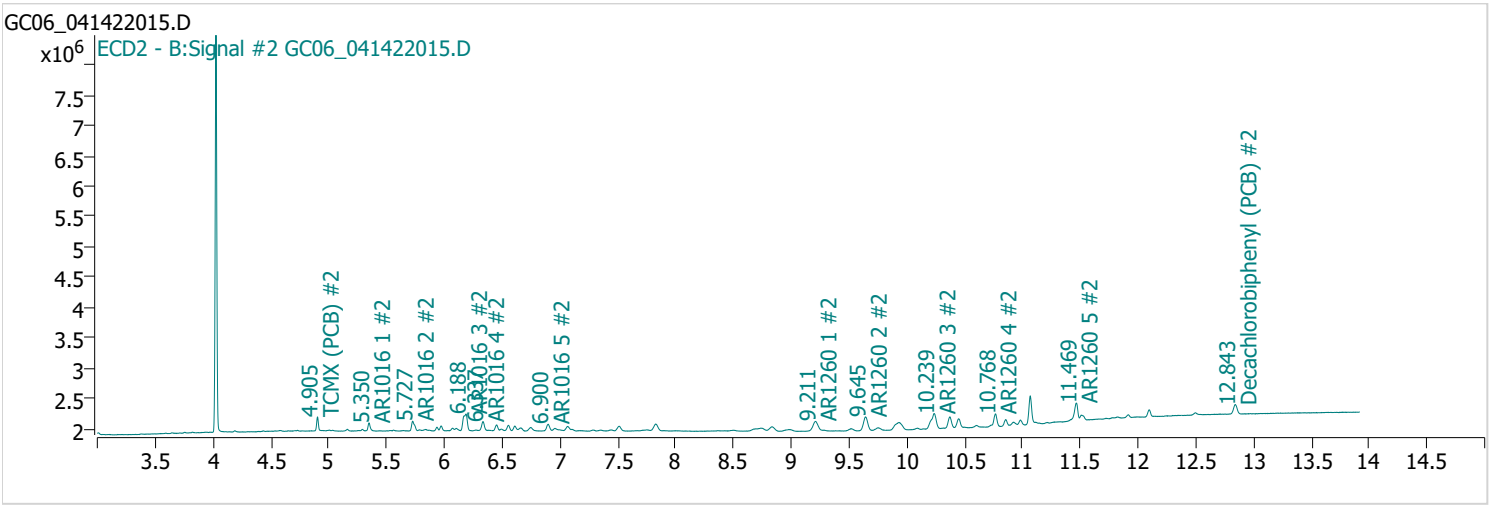
-

Analyst: TJW 04/15/22 **Reviewer:** LW 04/15/22

Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422015.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 6:41:09 PM
Sample Name	ICAL, S16585, 100	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 111	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



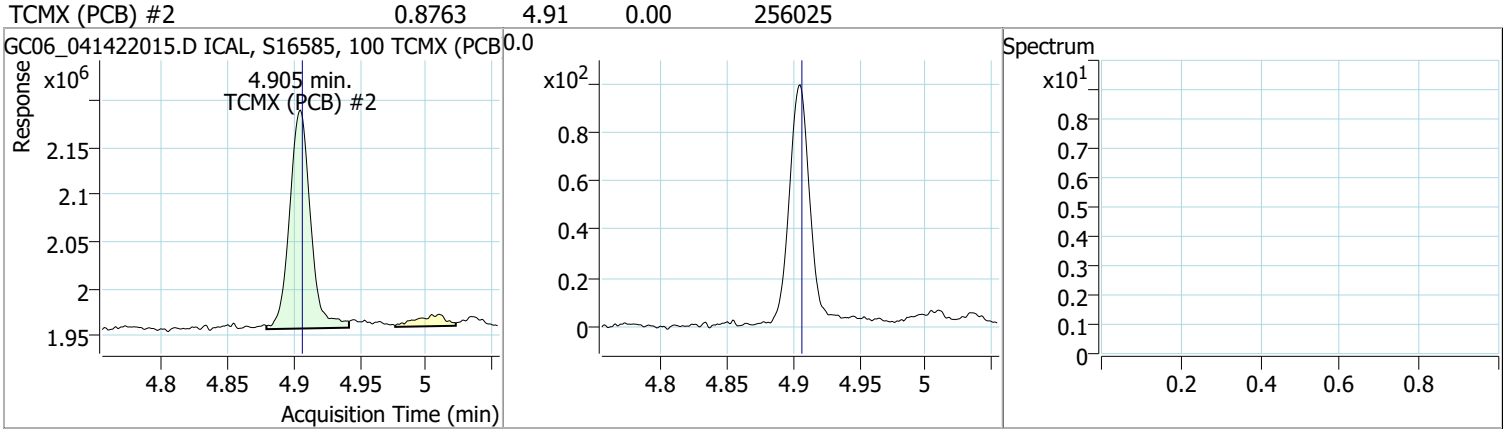


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.253	4.027	1793951	6378384	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.014	4.905	89398	256025	1.036	0.876	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	5.18% *	4.38% *	
S Decachlorobiphenyl (PCB)	12.367	12.843	124710	357322	0.914	0.928	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	4.57% *	4.64% *	
Target Compounds							
T AR1016 1	5.358	5.350	41404	194235	23.595	32.518 #	ng/ml
T AR1016 2	5.692	5.727	103843	283357	27.178	22.859	ng/ml
T AR1016 3	6.153	6.188	99825	364940 m	22.199	22.324	ng/ml
T AR1016 4	6.293	6.337	81145	267822	24.114	24.148	ng/ml
T AR1016 5	6.745	6.900	65739	199594	25.254	23.018	ng/ml
T AR1260 1	8.623	9.211	154821	522967	27.423	27.090	ng/ml
T AR1260 2	9.219	9.645	231396	582072	26.611	26.095	ng/ml
T AR1260 3	9.763	10.239	221143	768352	24.464	25.354	ng/ml
T AR1260 4	10.339	10.768	116367	413484	25.884	25.214	ng/ml

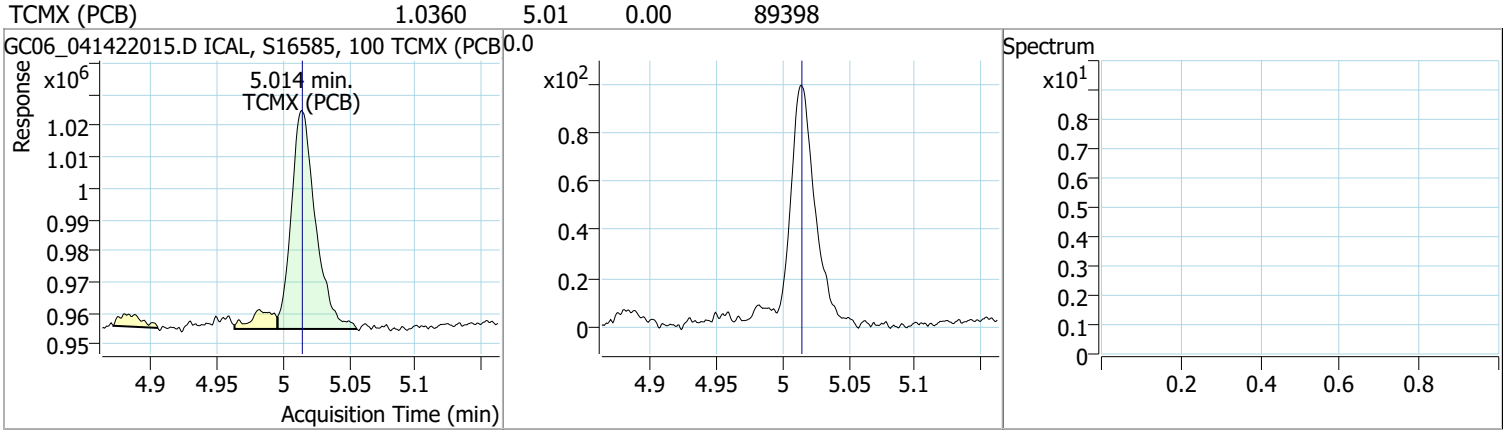
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.469	142909	632191	24.017	26.148	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

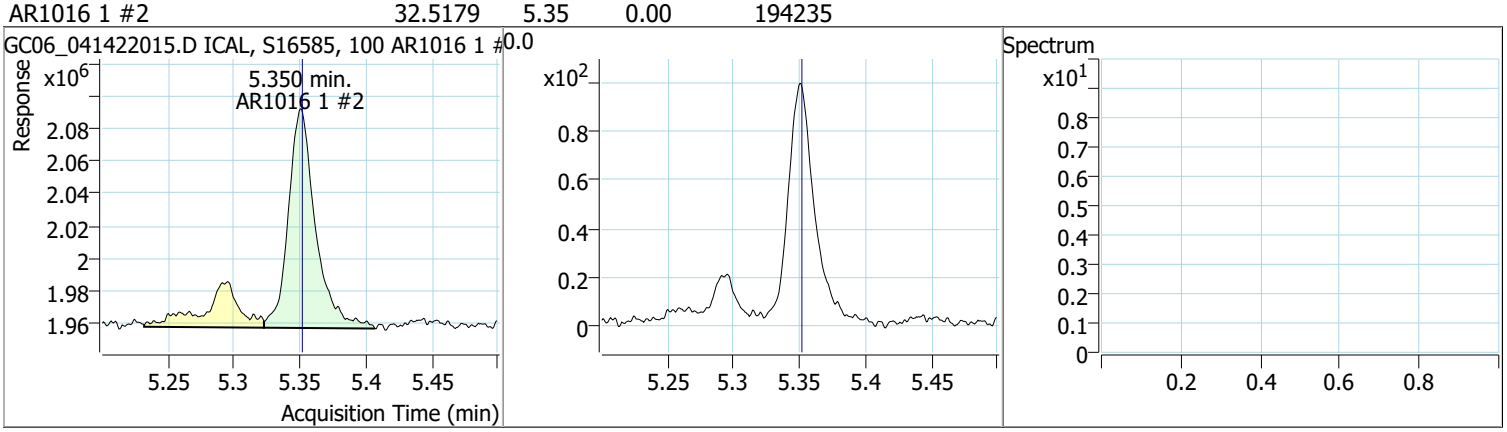
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	0.8763	4.91	0.00	256025			



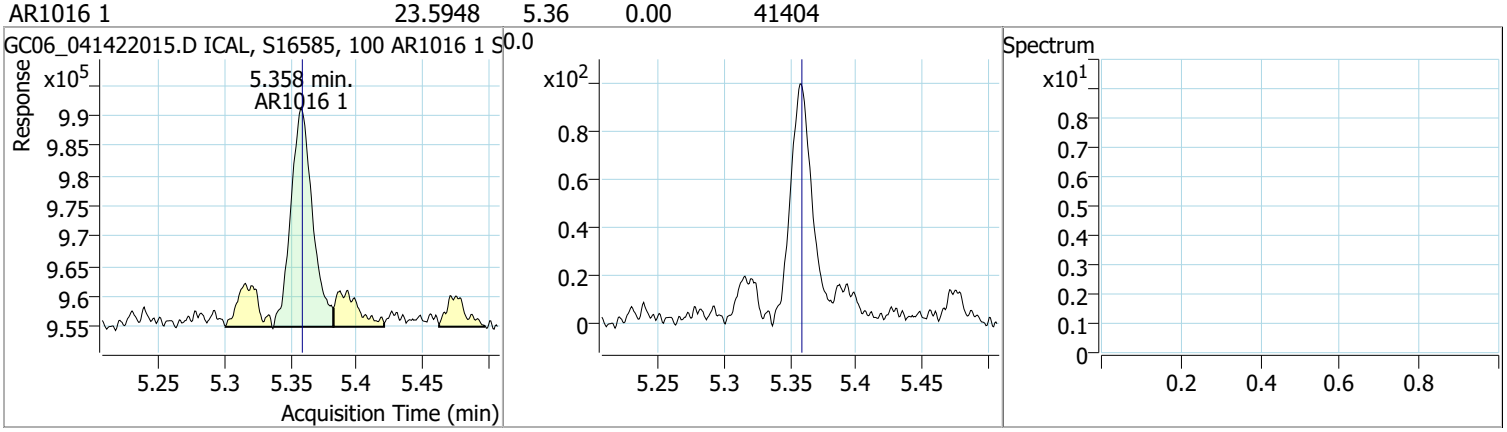
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	1.0360	5.01	0.00	89398			



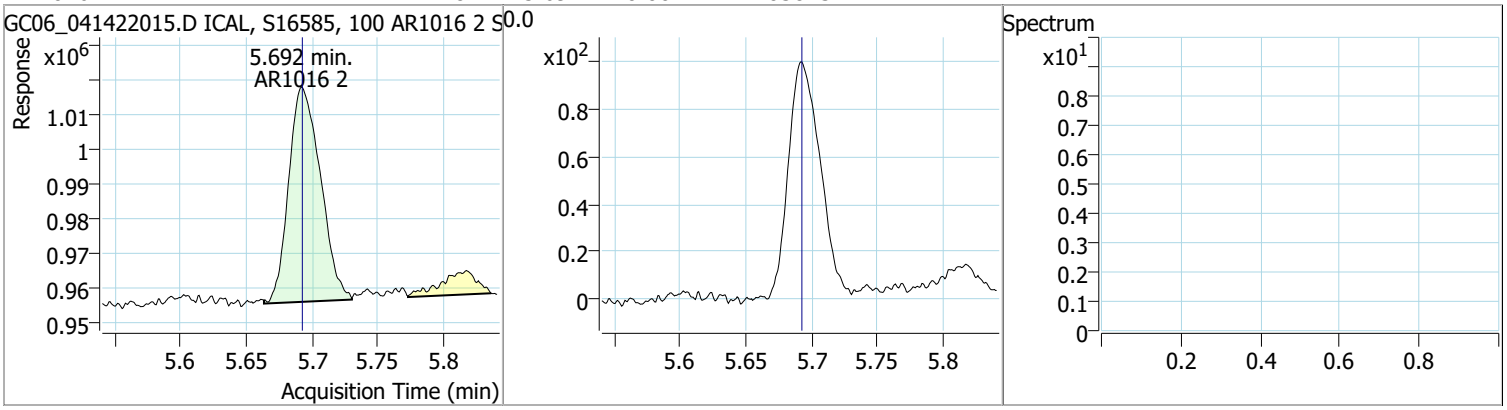
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	32.5179	5.35	0.00	194235			



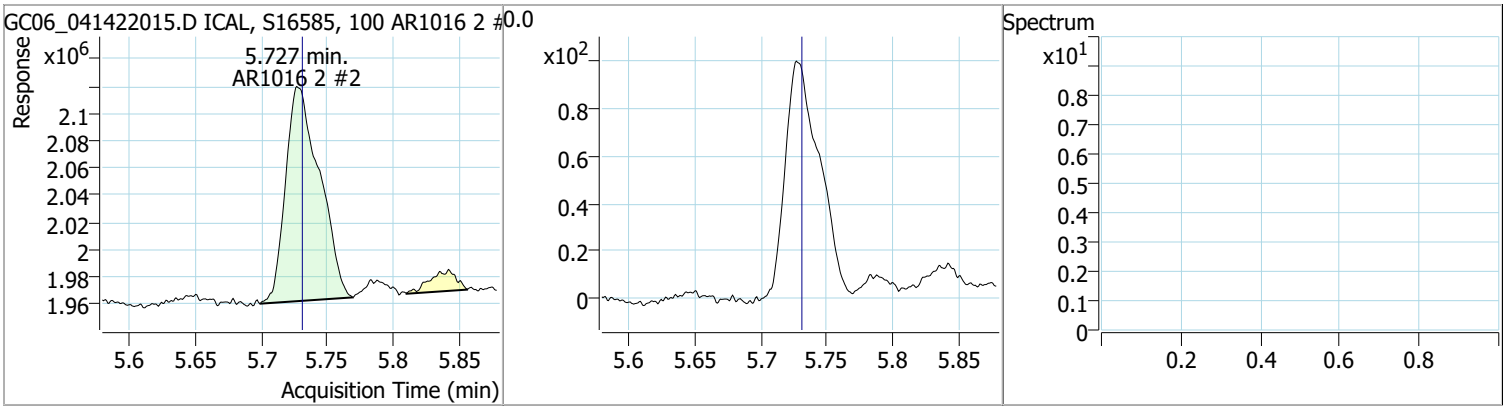
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	23.5948	5.36	0.00	41404			



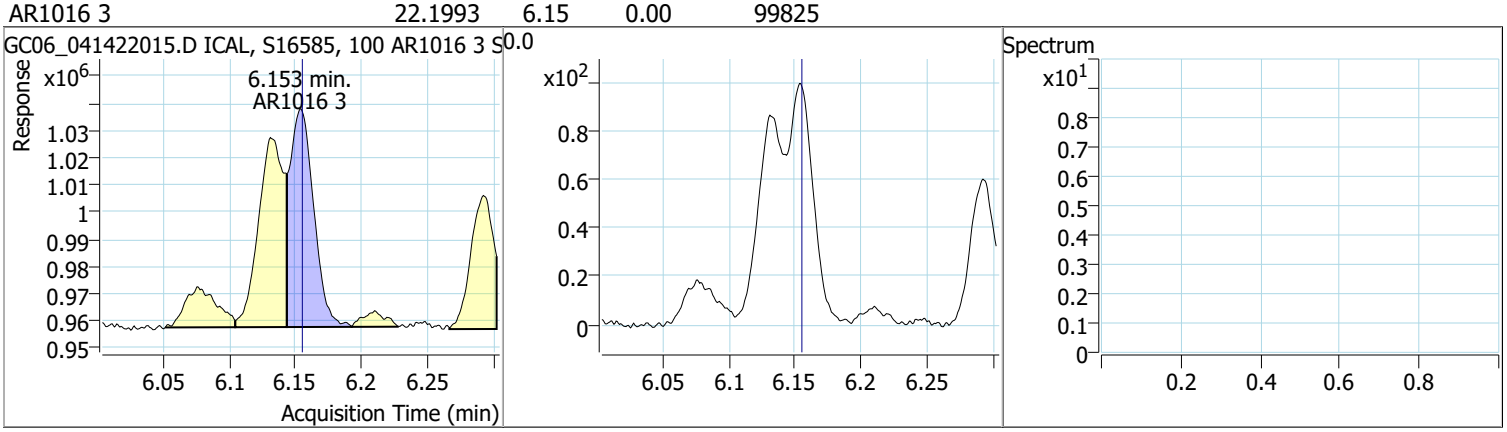
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	27.1781	5.69	0.00	103843			



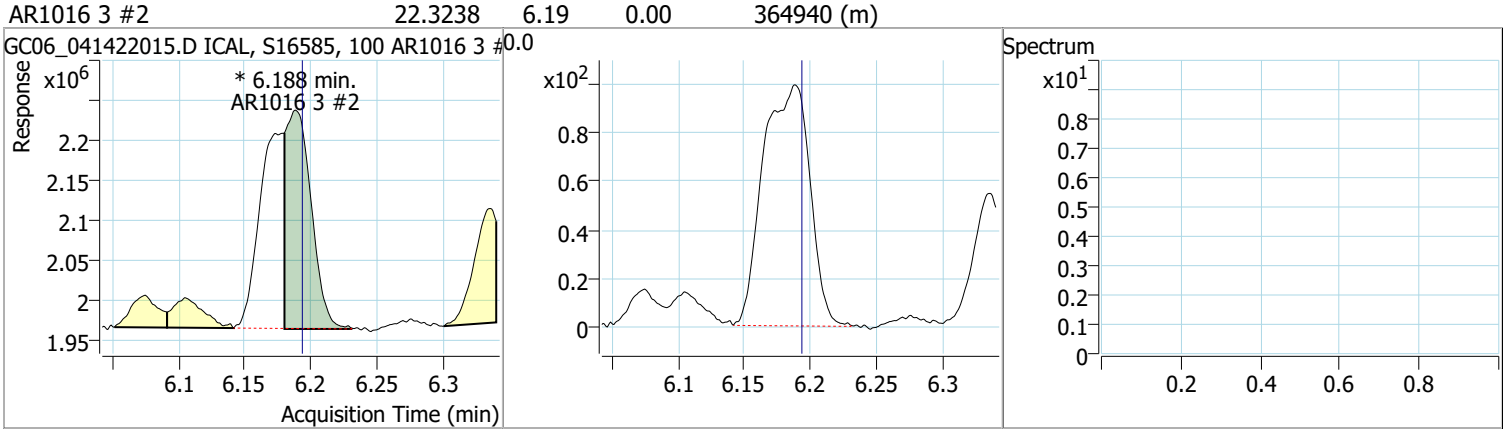
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	22.8591	5.73	0.00	283357			



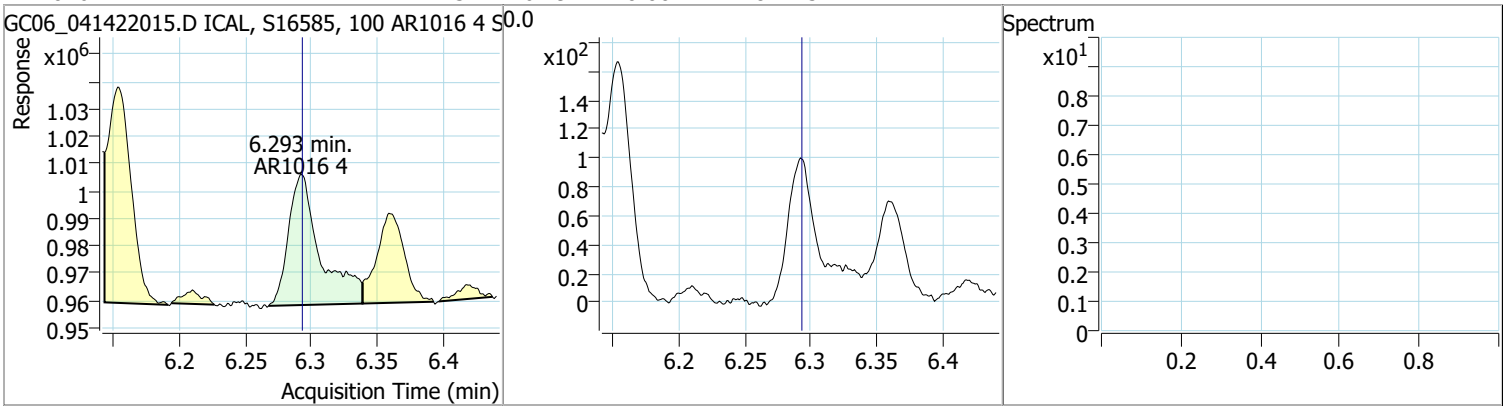
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	22.1993	6.15	0.00	99825			



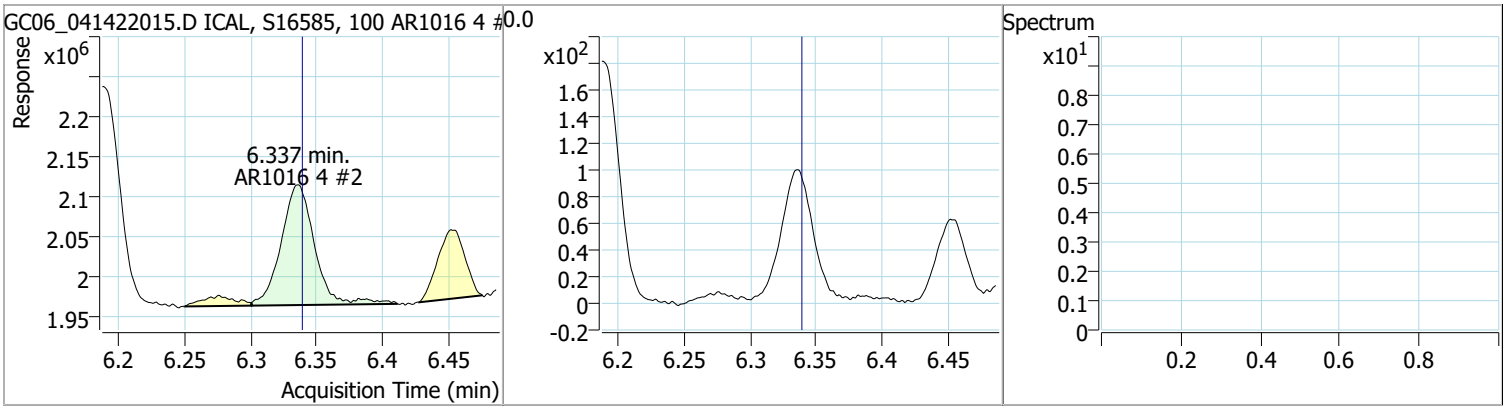
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	22.3238	6.19	0.00	364940 (m)			



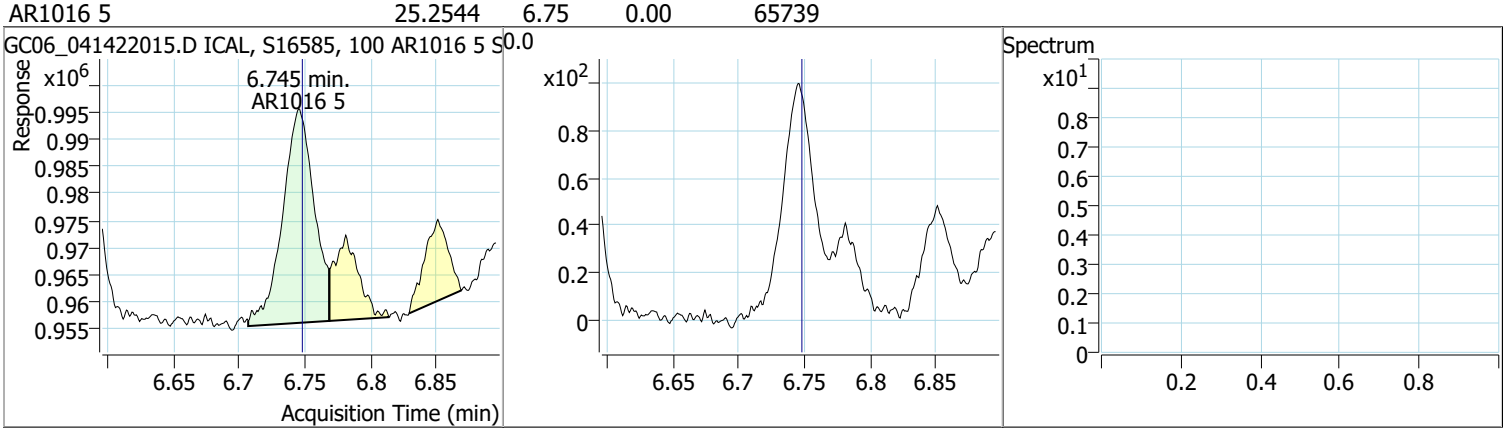
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	24.1137	6.29	0.00	81145			



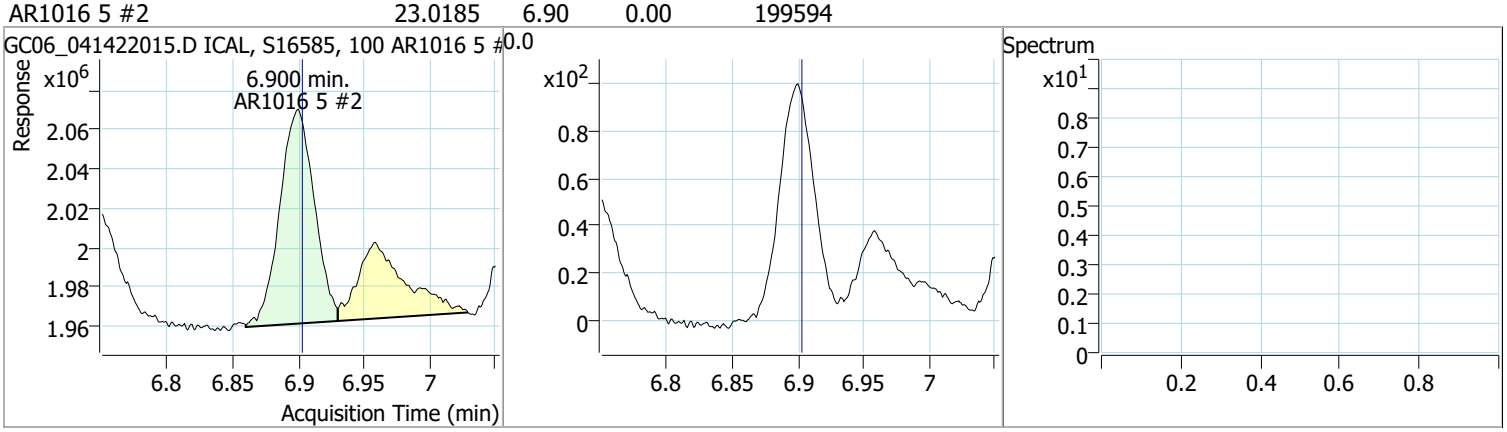
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	24.1482	6.34	0.00	267822			



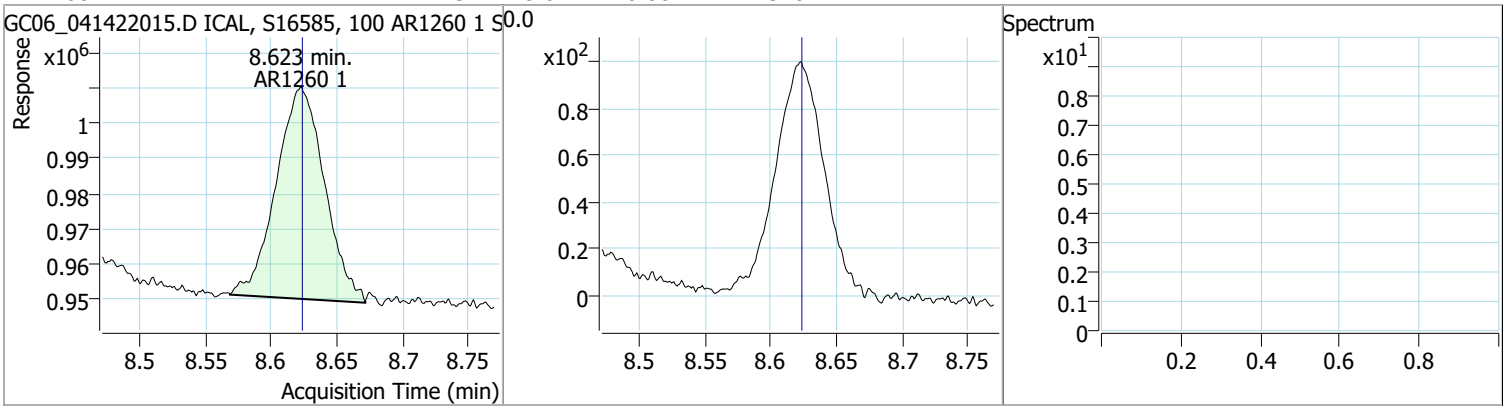
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	25.2544	6.75	0.00	65739			



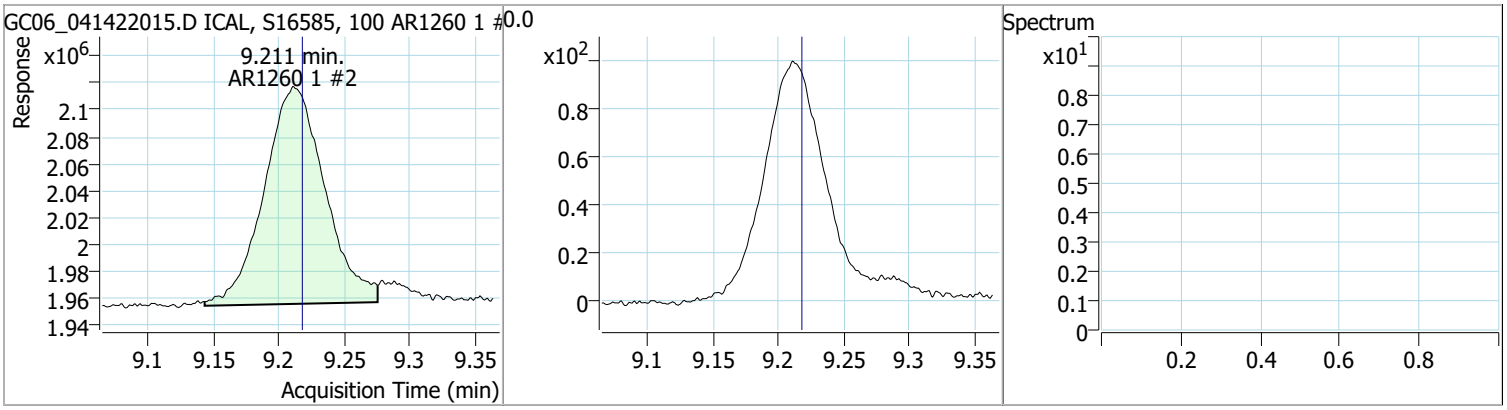
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	23.0185	6.90	0.00	199594			



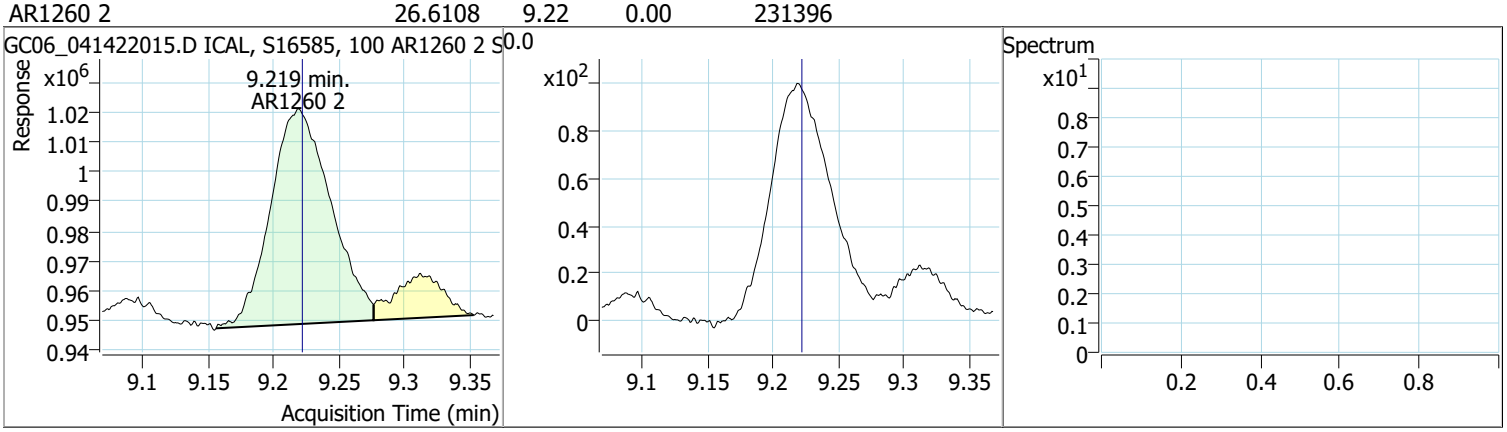
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	27.4232	8.62	0.00	154821			



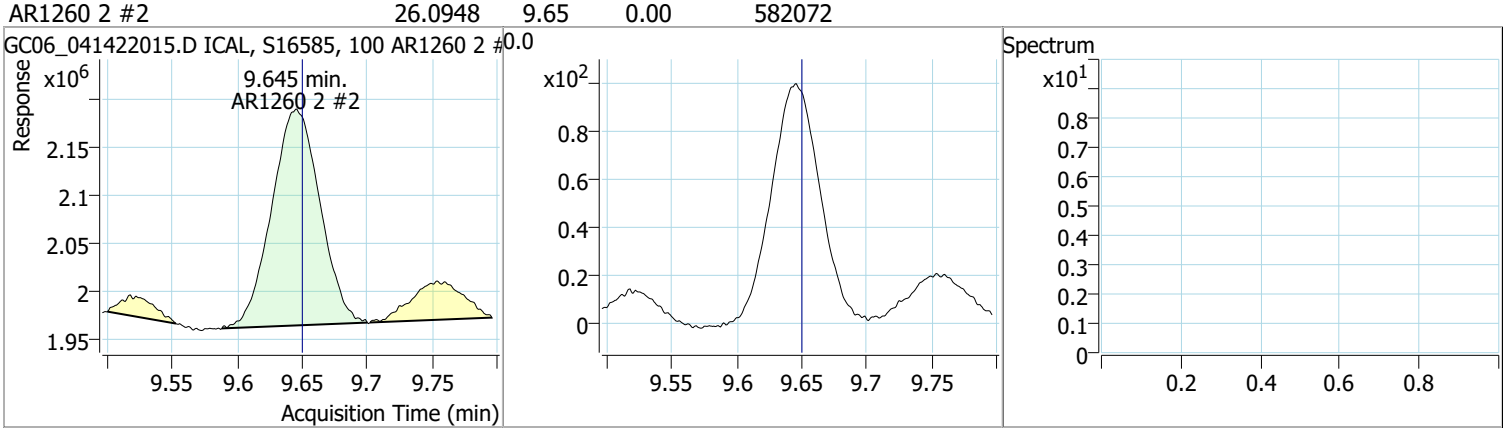
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	27.0901	9.21	0.00	522967			



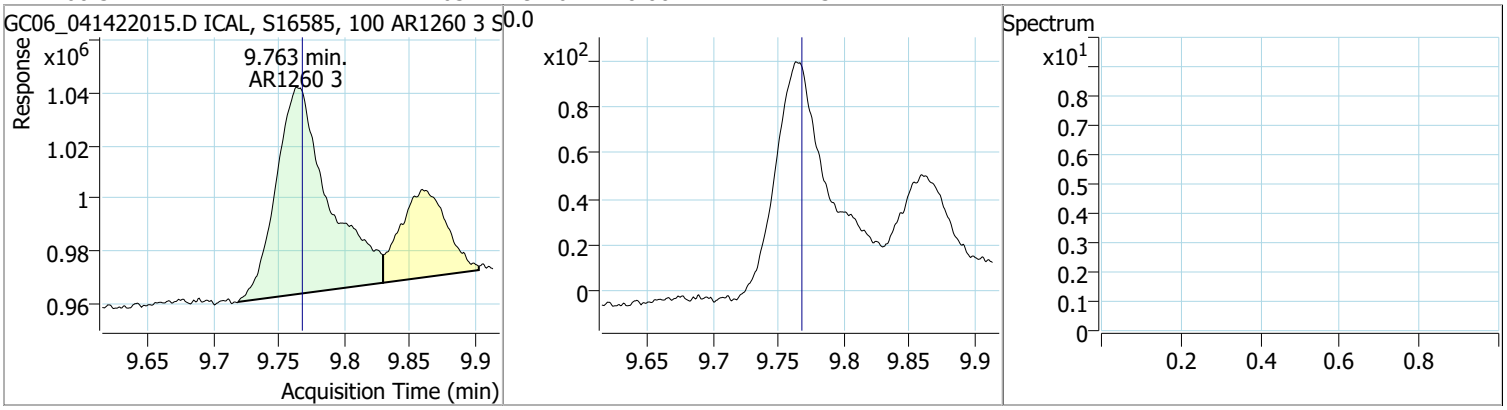
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	26.6108	9.22	0.00	231396			



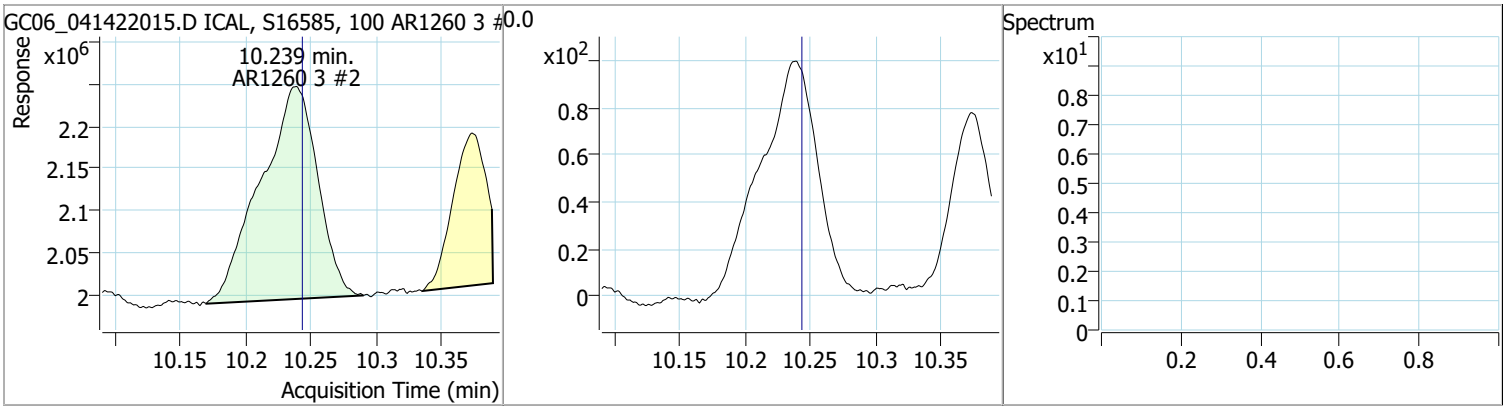
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	26.0948	9.65	0.00	582072			



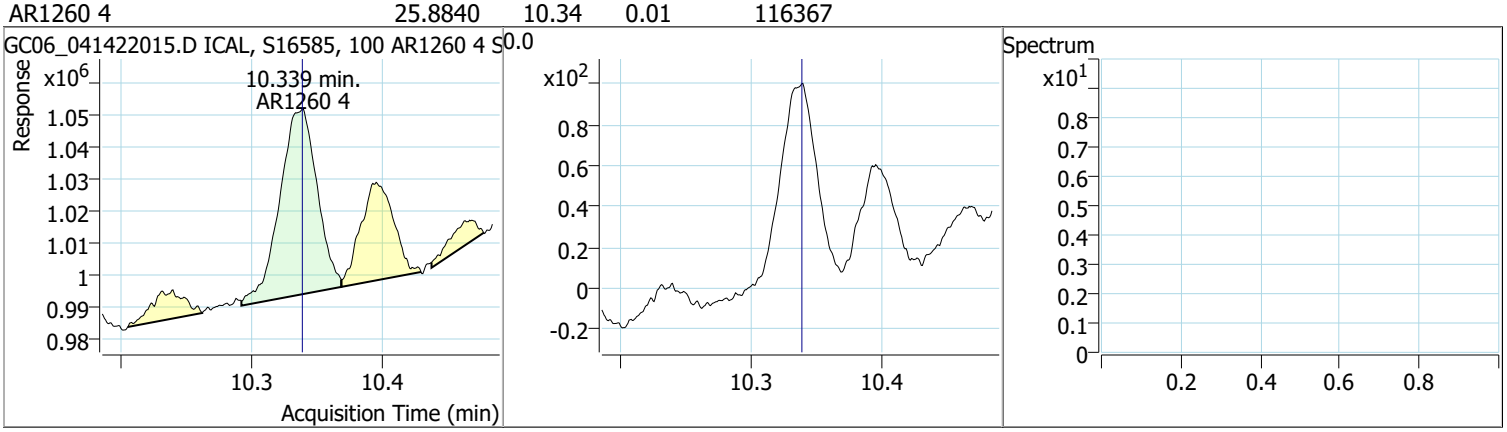
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	24.4637	9.76	0.00	221143			



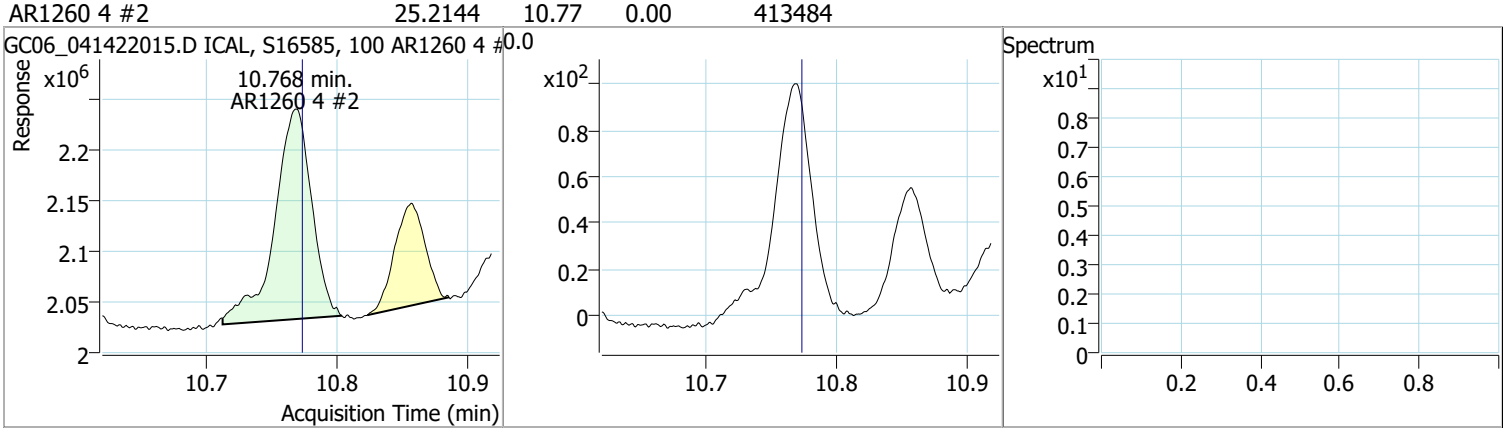
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	25.3537	10.24	0.00	768352			



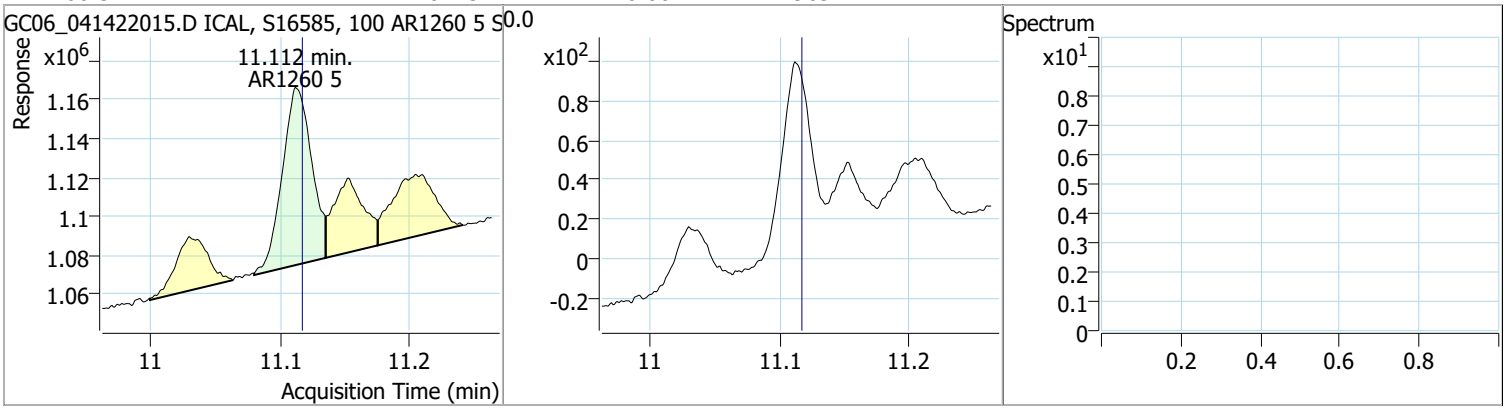
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	25.8840	10.34	0.01	116367			



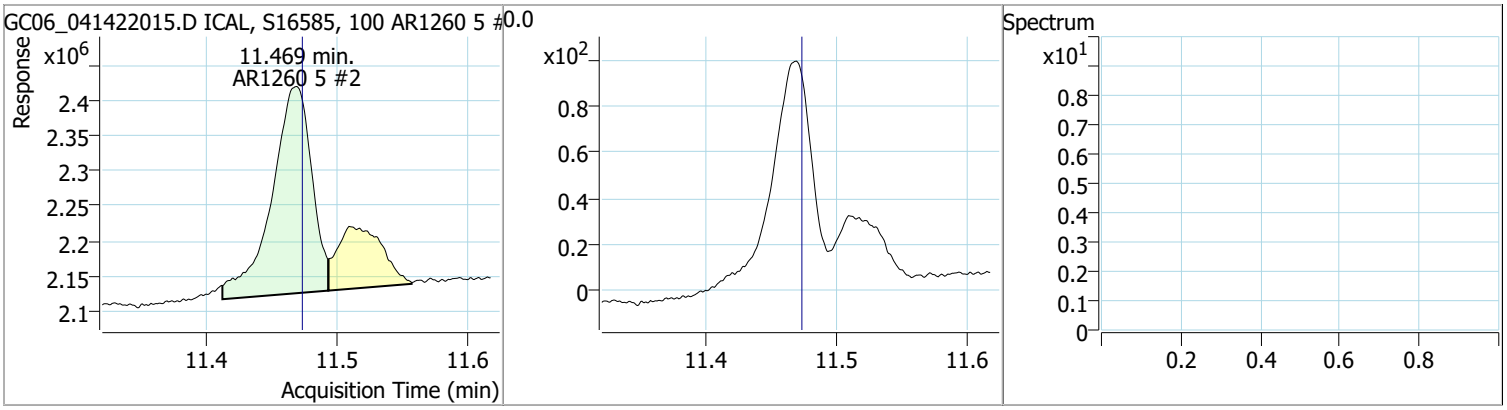
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	25.2144	10.77	0.00	413484			



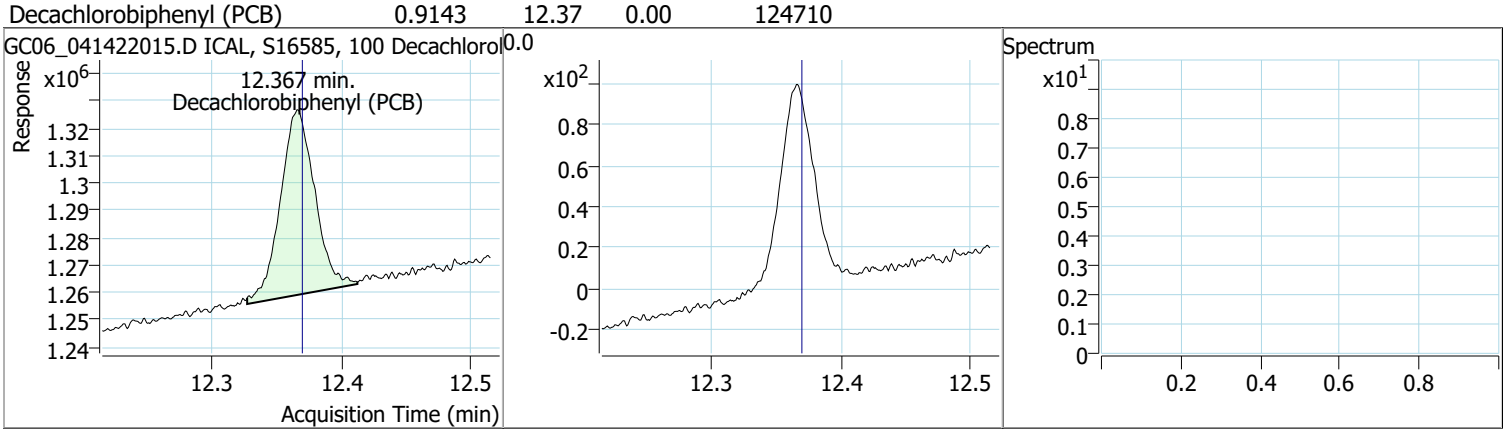
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	24.0175	11.11	0.00	142909			



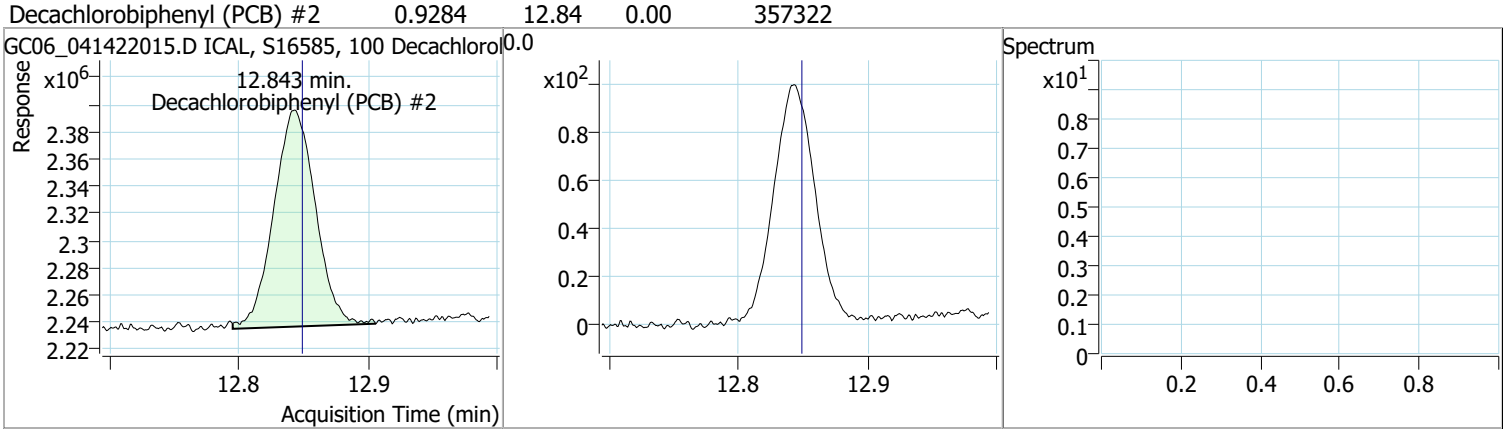
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	26.1482	11.47	0.00	632191			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	0.9143	12.37	0.00	124710			

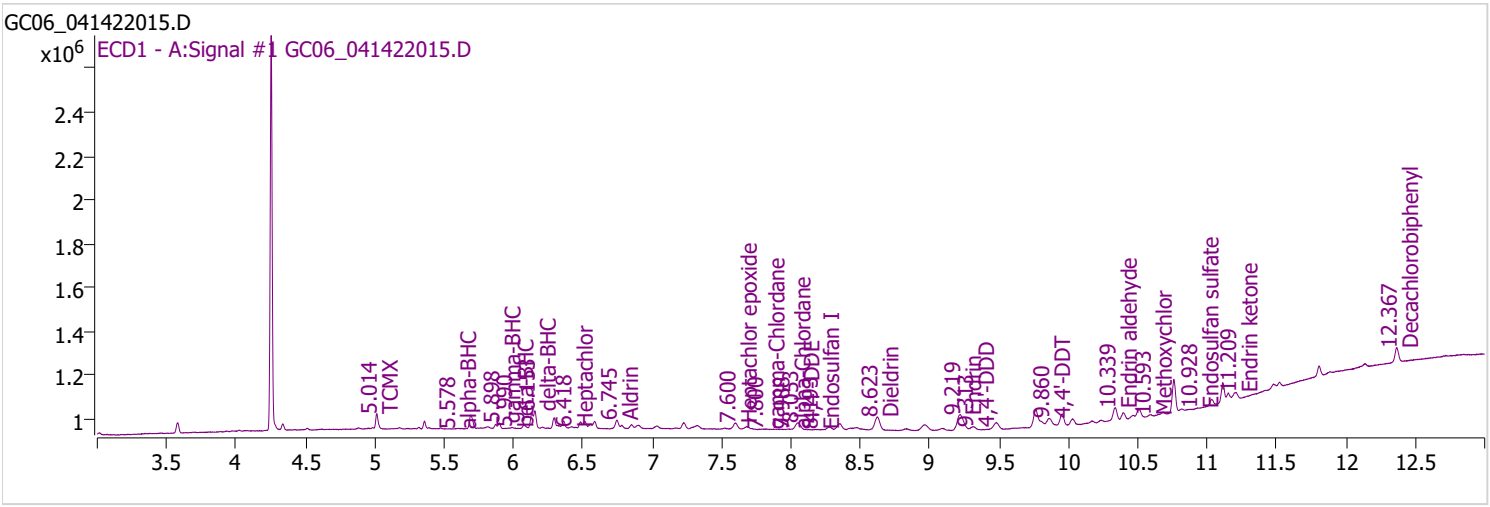


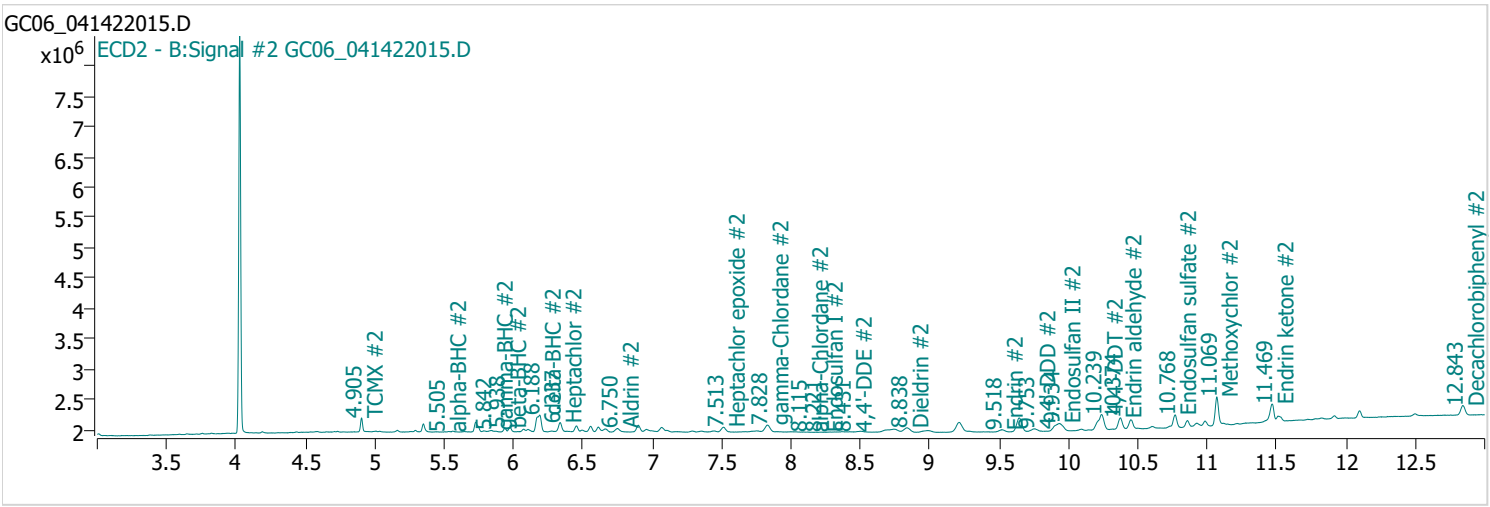
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	0.9284	12.84	0.00	357322			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422015.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 6:41:09 PM
Sample Name	ICAL, S16585, 100	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 111	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 6:55:24 PM



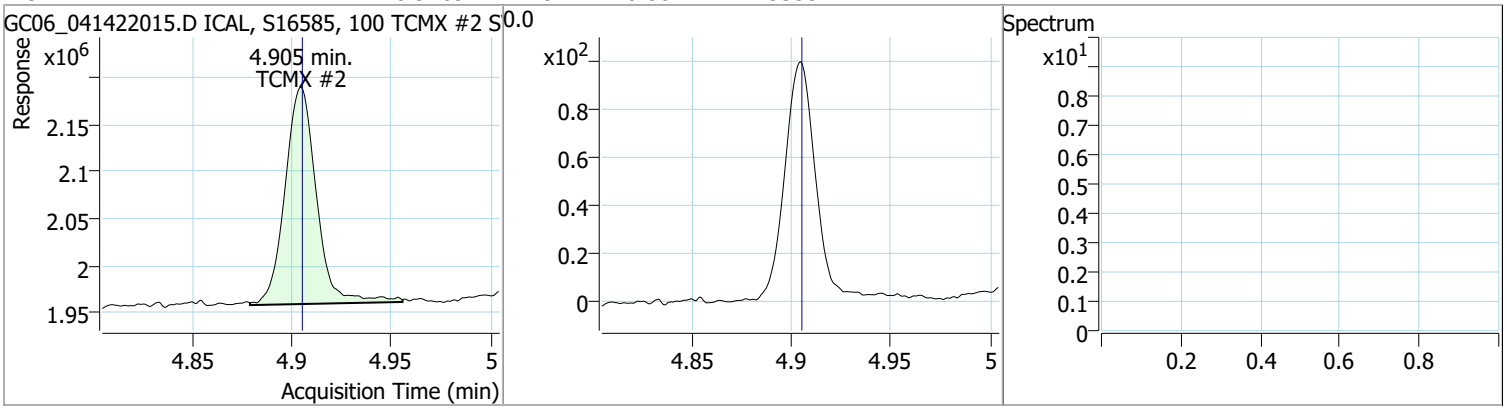


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.253	4.027	1774720	6352383	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.014	4.905	90330	253551	1.099	0.919	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	5.50% *	4.59% *	
S Decachlorobiphenyl	12.367	12.843	123436	345245	1.039	0.981	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	5.19% *	4.91% *	
Target Compounds							
T alpha-BHC	5.578	5.505	553	2637	0.006	0.008 #	ng/ml
T gamma-BHC	5.898	5.842	30350	51202	0.323	0.149 #	ng/ml
T beta-BHC	5.990	5.938	6611	76395	0.139	0.444 #	ng/ml
T delta-BHC	6.153	6.188	94954	669432	0.941	1.636 #	ng/ml
T Heptachlor	6.418	6.337	7750	264858	0.080	0.718 #	ng/ml
T Aldrin	6.745	6.750	65376	127208	0.686	0.353 #	ng/ml
T Heptachlor epoxide	7.600	7.513	54781	165853	0.587	0.506	ng/ml
T gamma-Chlordane	7.800	7.828	2517	258330	0.029	0.741 #	ng/ml
T alpha-Chlordane	7.988	8.115	2641	3581	0.031	0.012 #	ng/ml

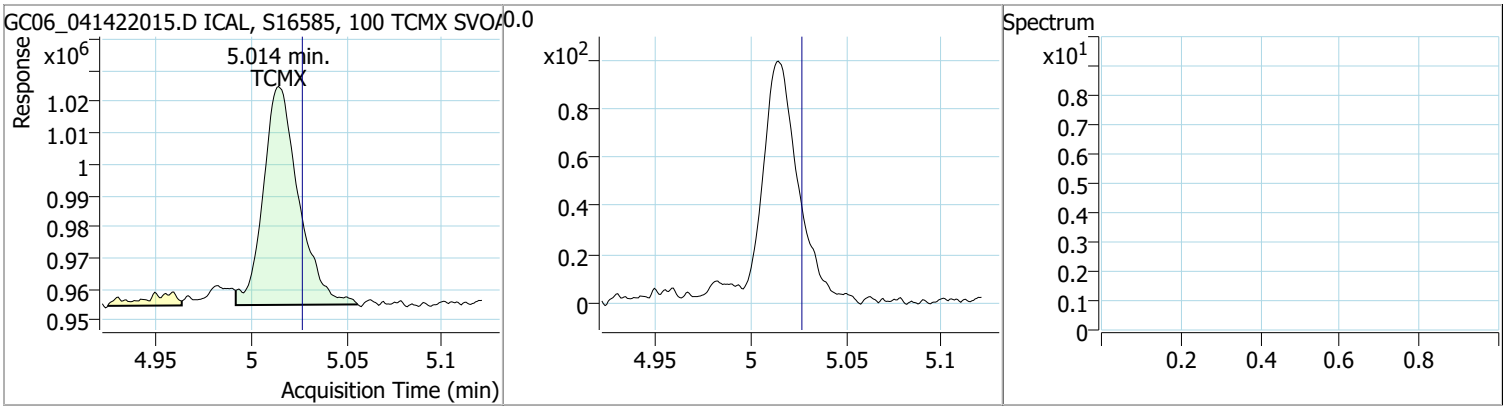
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.193	8.221	1453	1168	0.018	0.004 #	ng/ml
T 4,4'-DDE	8.053	8.431	80424	1178	0.957	0.004 #	ng/ml
T Dieldrin	8.623	8.838	157673	177695	1.679	0.574 #	ng/ml
T Endrin	9.219	9.518	234737	105500	2.650	0.376 #	ng/ml
T 4,4'-DDD	9.313	9.753	24757	119452	0.391	0.480	ng/ml
T Endosulfan II	----	9.934 f	0	542724	N.D.	1.744 #	ng/ml
T 4,4'-DDT	9.860	10.239	77219	762866	0.990	2.406 #	ng/ml
T Endrin aldehyde	10.339	10.374	31868	366941	0.499	1.596 #	ng/ml
T Endosulfan sulfate	10.928	10.768	3135	395804	0.041	1.508 #	ng/ml
T Methoxychlor	10.593	11.069 f	14377	843779	0.298	5.159 #	ng/ml
T Endrin ketone	11.209	11.469 f	48846	729349	0.509	2.166 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

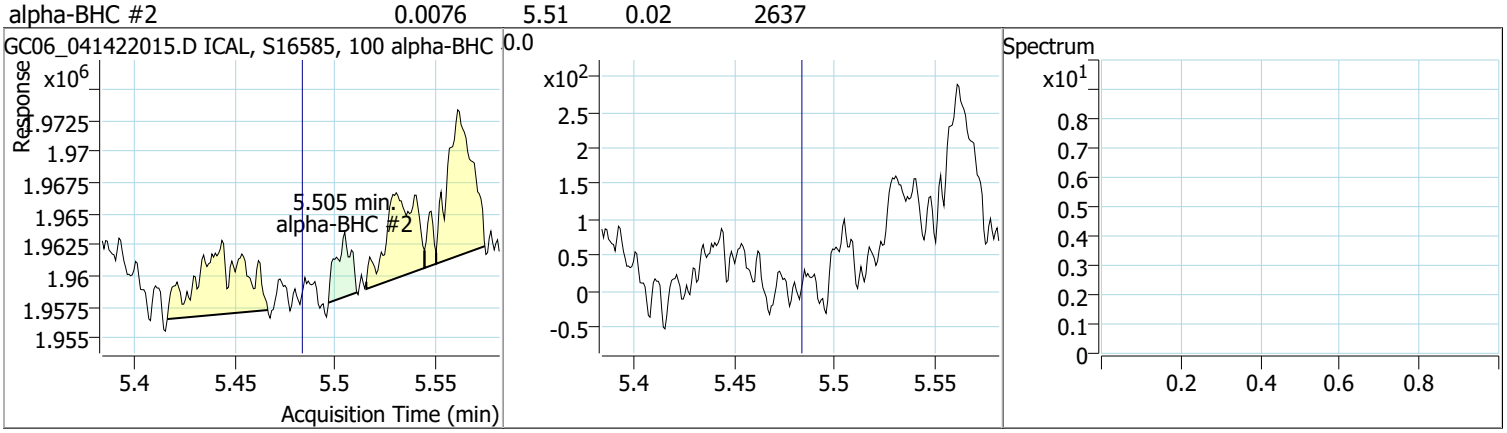
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	0.9189	4.91	0.00	253551			



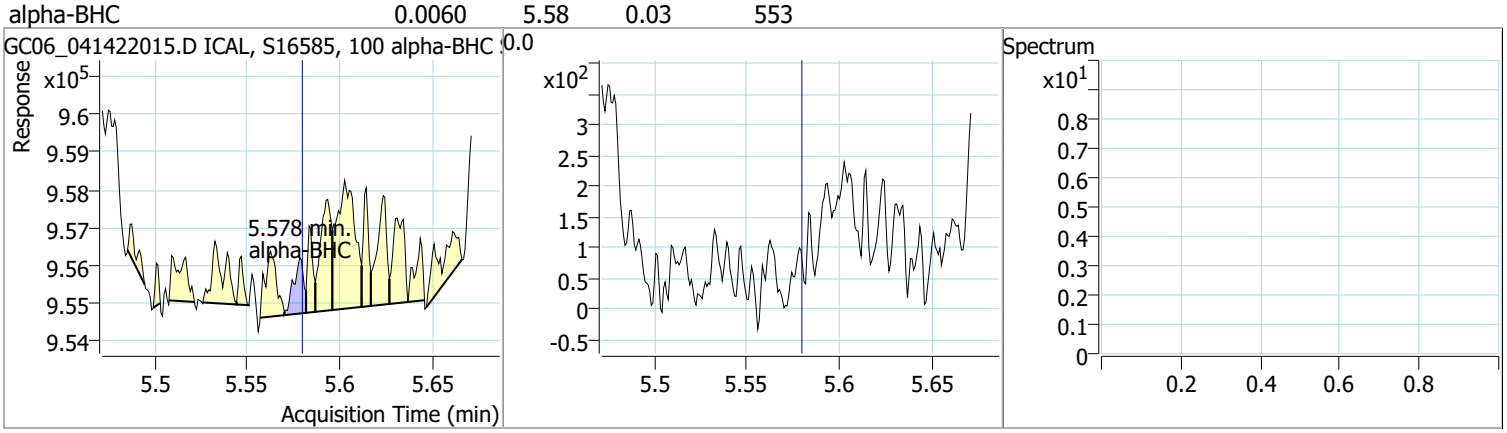
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	1.0990	5.01	0.02	90330			



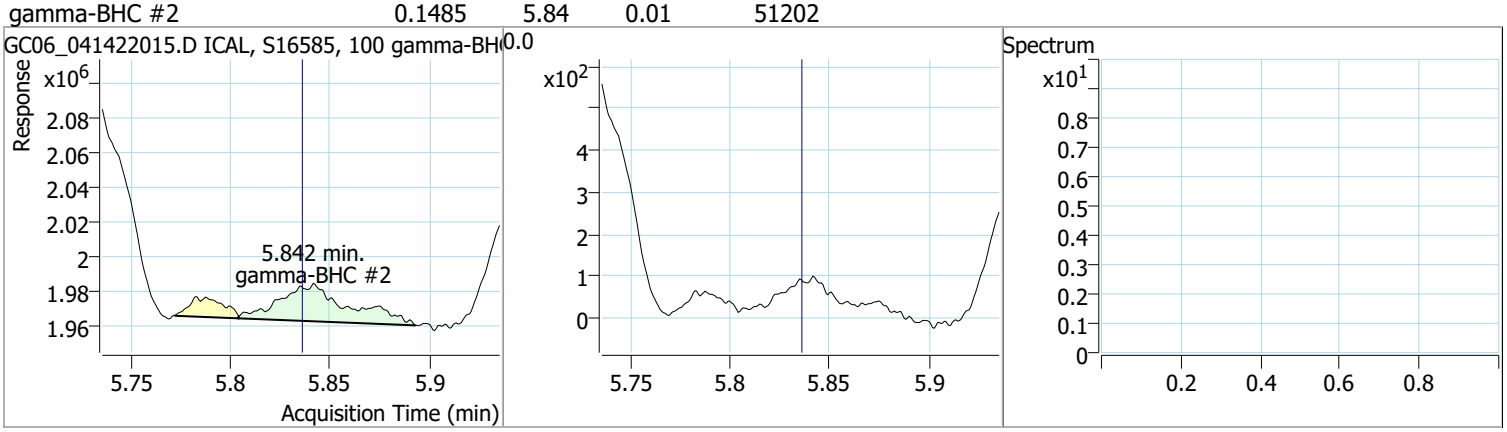
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	0.0076	5.51	0.02	2637			



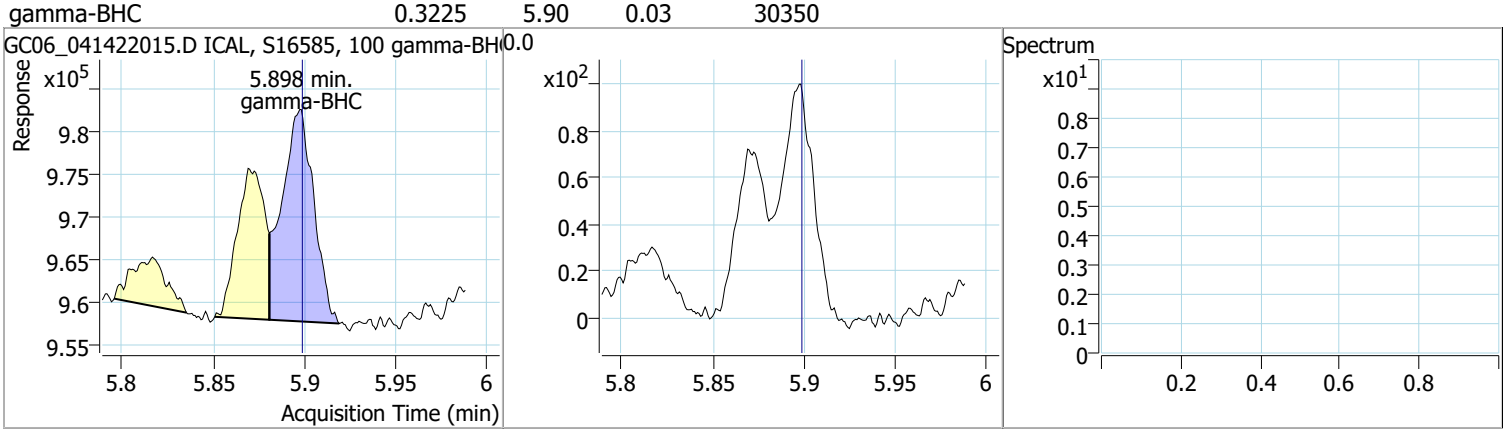
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC	0.0060	5.58	0.03	553			



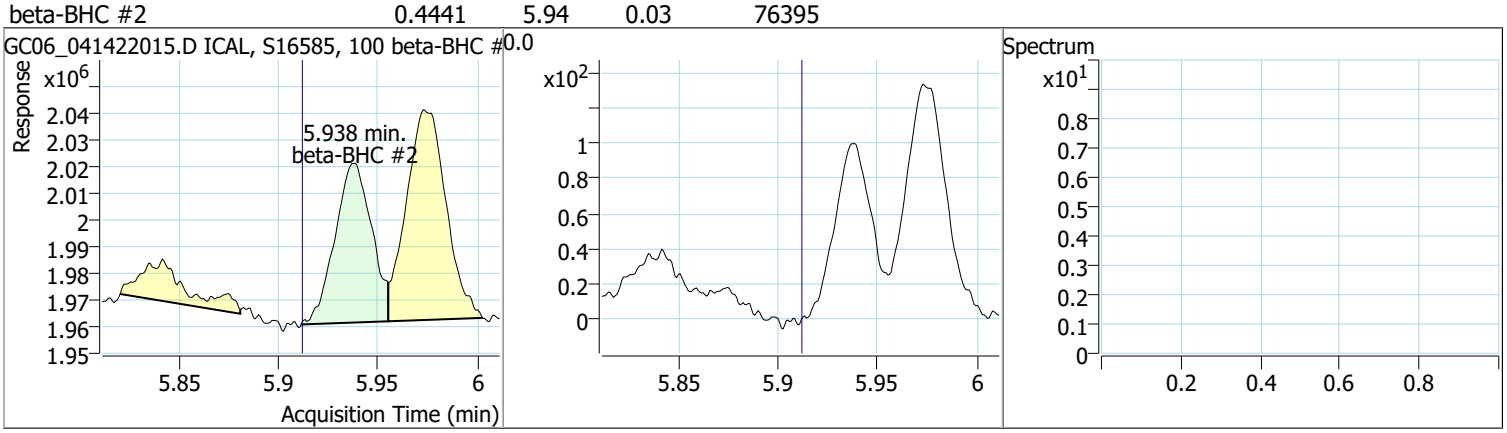
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	0.1485	5.84	0.01	51202			



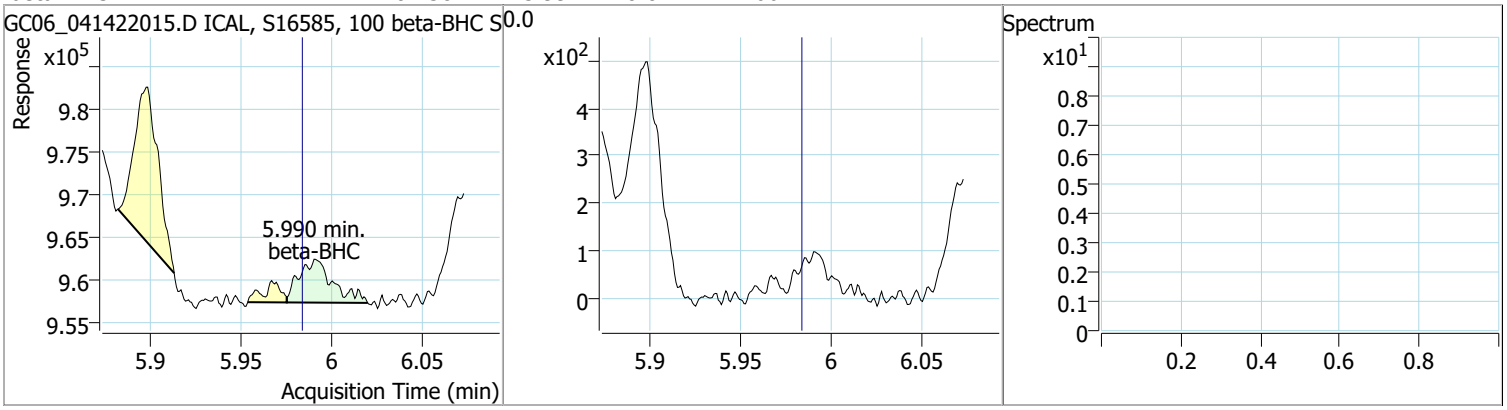
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	0.3225	5.90	0.03	30350			



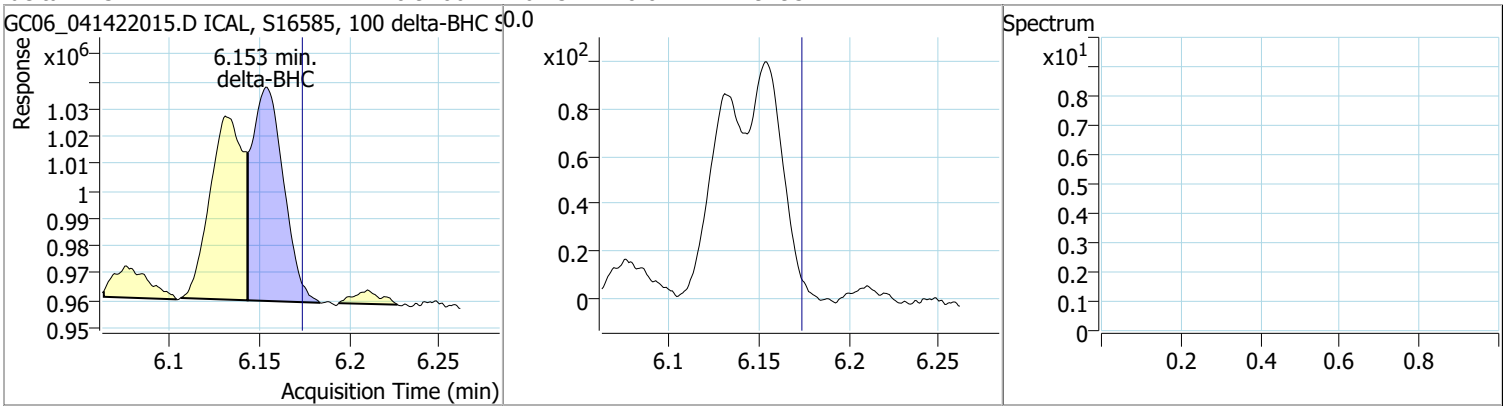
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	0.4441	5.94	0.03	76395			



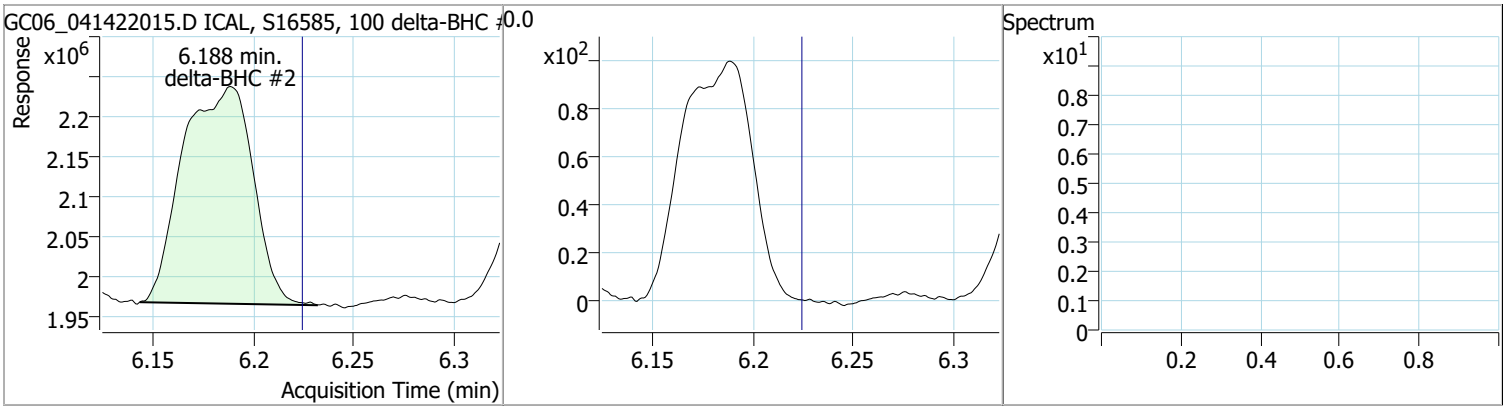
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	0.1387	5.99	0.04	6611			



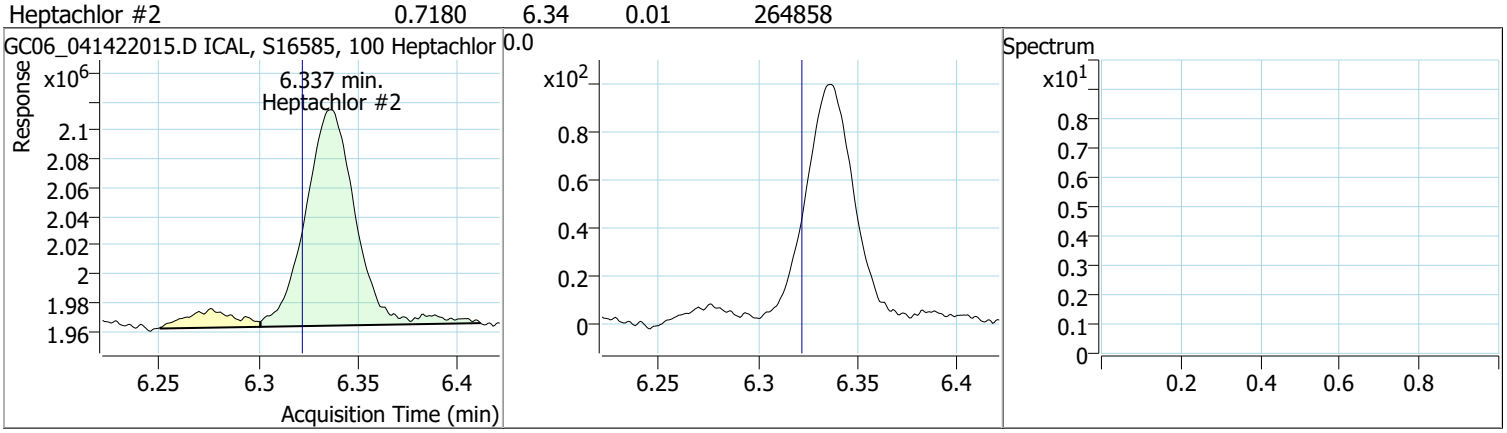
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
delta-BHC	0.9406	6.15	0.01	94954		



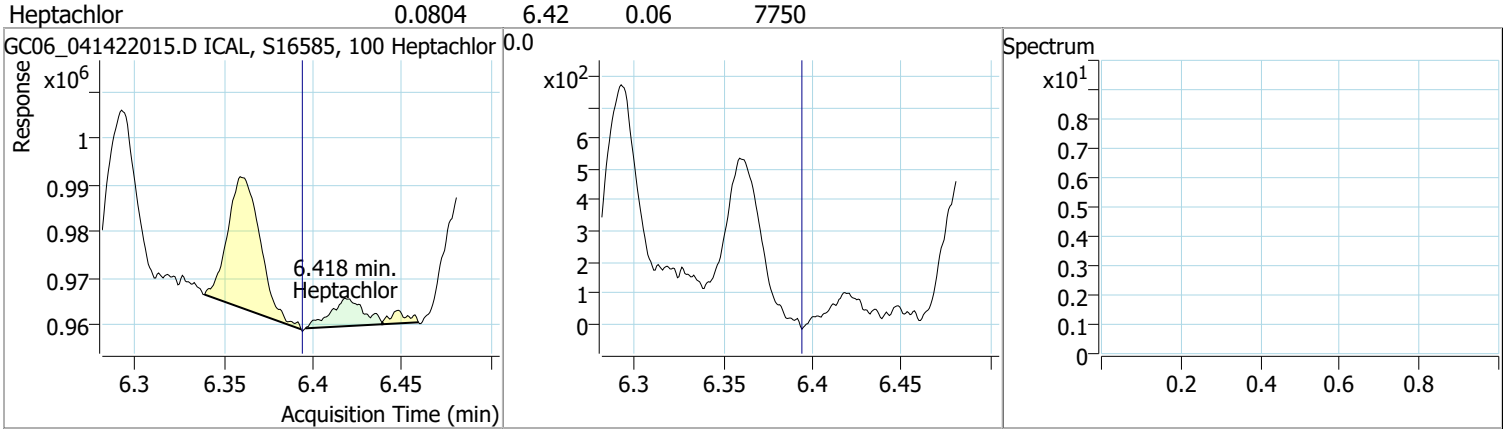
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	1.6364	6.19	-0.04	669432		



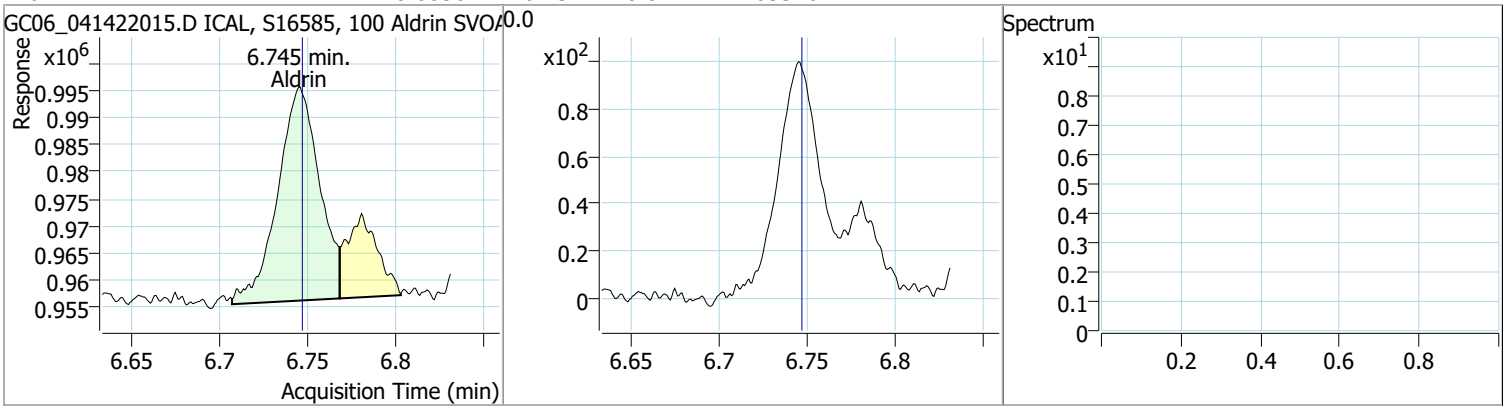
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	0.7180	6.34	0.01	264858		



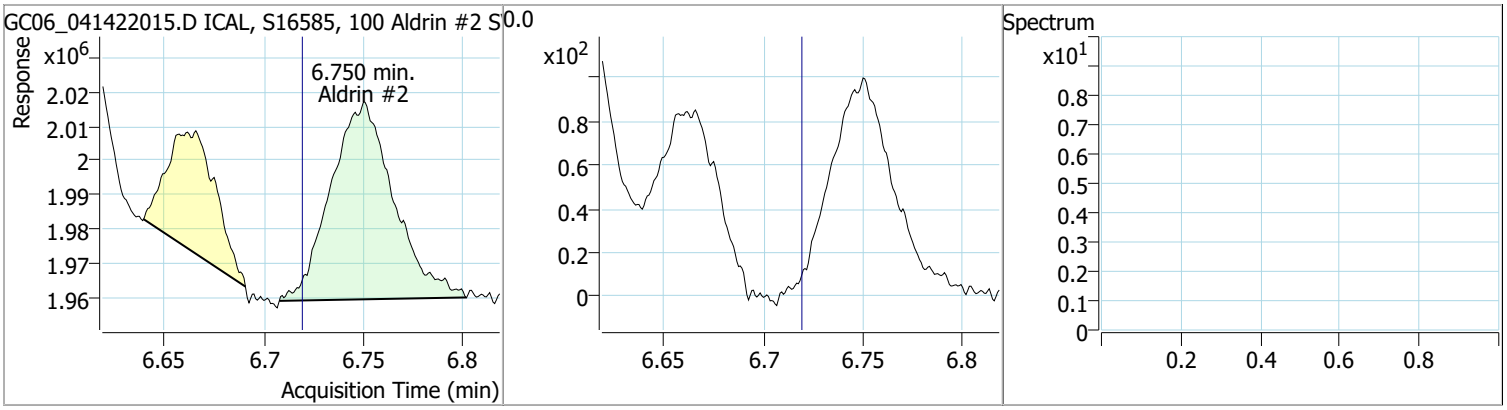
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Heptachlor	0.0804	6.42	0.06	7750		



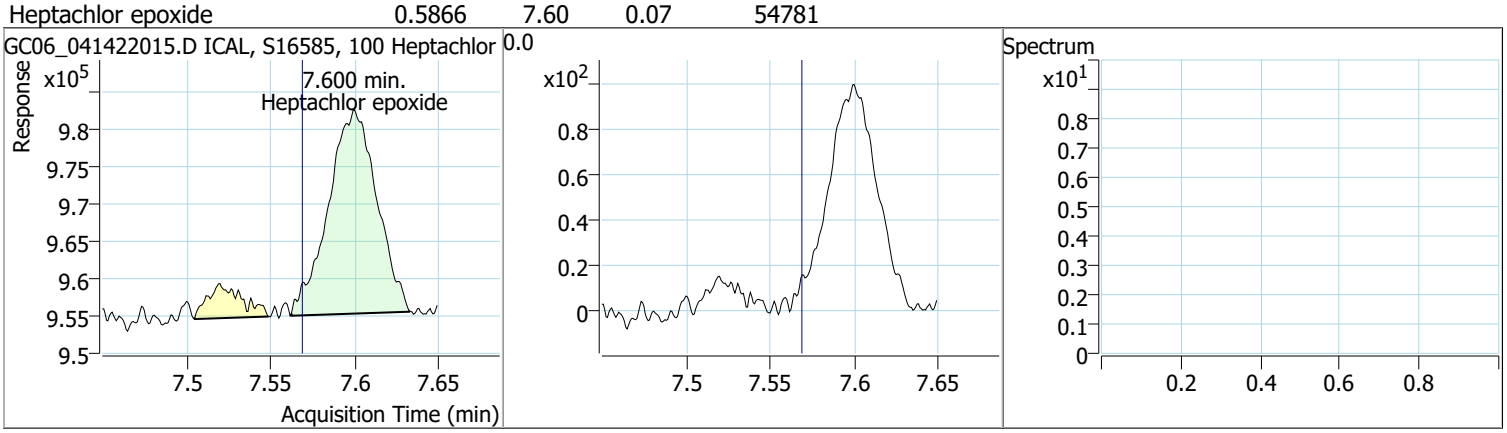
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	0.6856	6.75	0.04	65376			



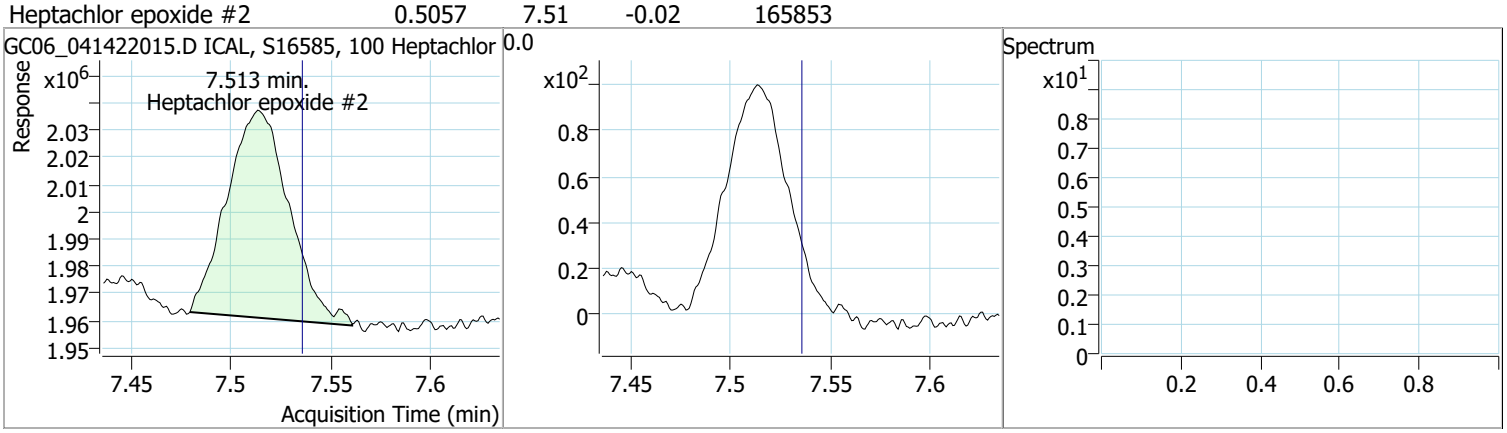
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	0.3529	6.75	0.03	127208			



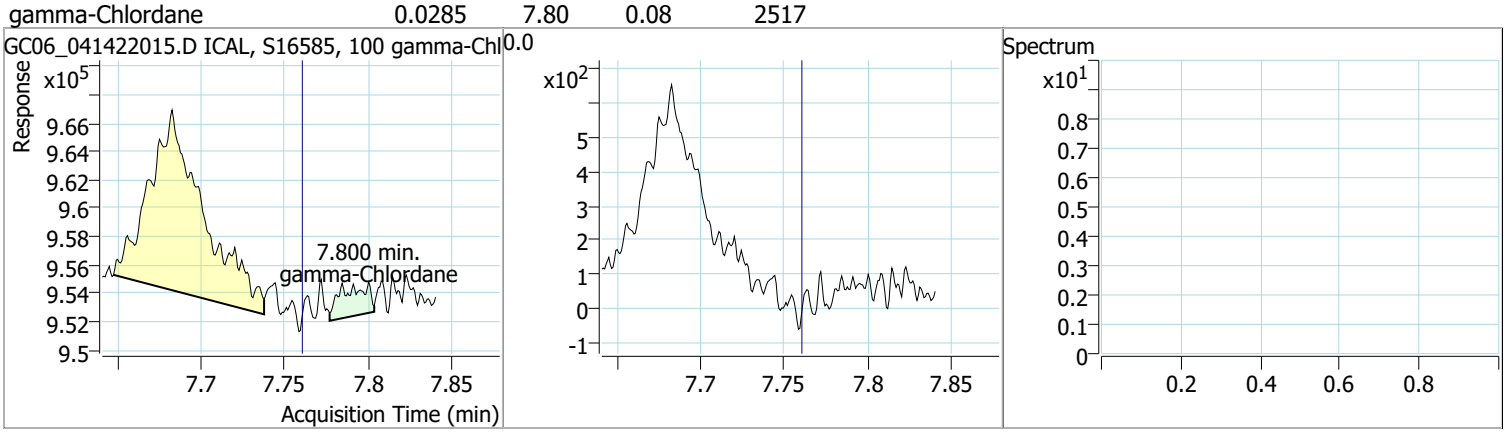
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	0.5866	7.60	0.07	54781			



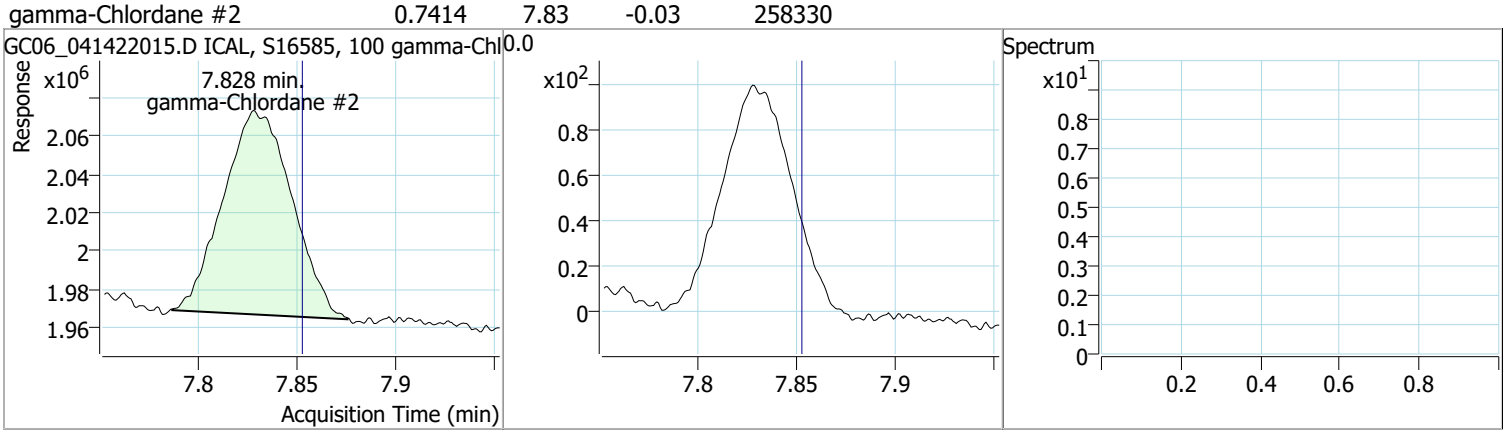
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	0.5057	7.51	-0.02	165853			



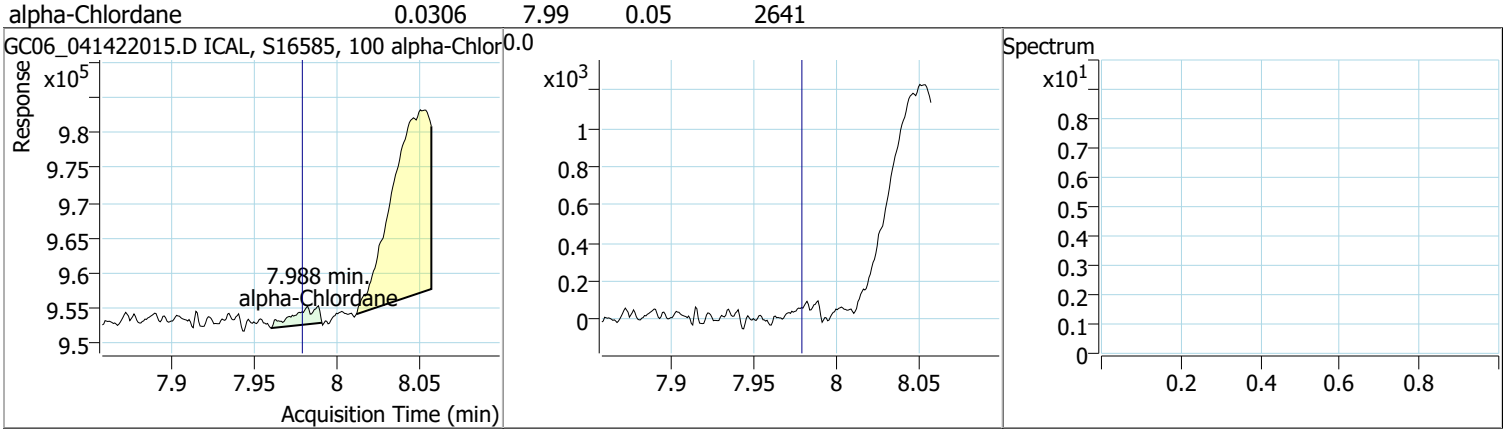
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0285	7.80	0.08	2517			



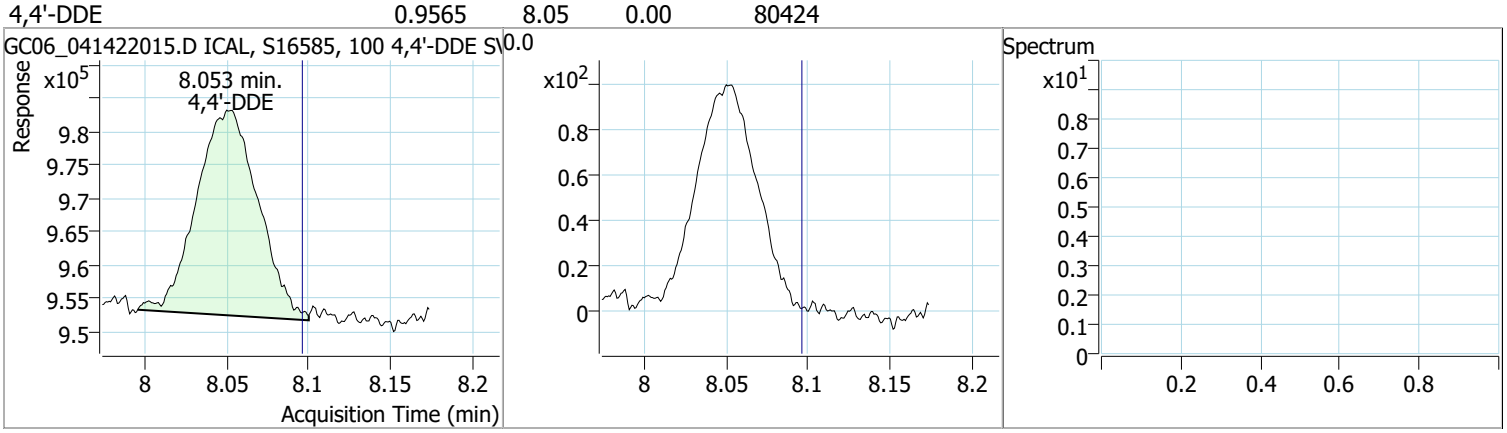
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	0.7414	7.83	-0.03	258330			



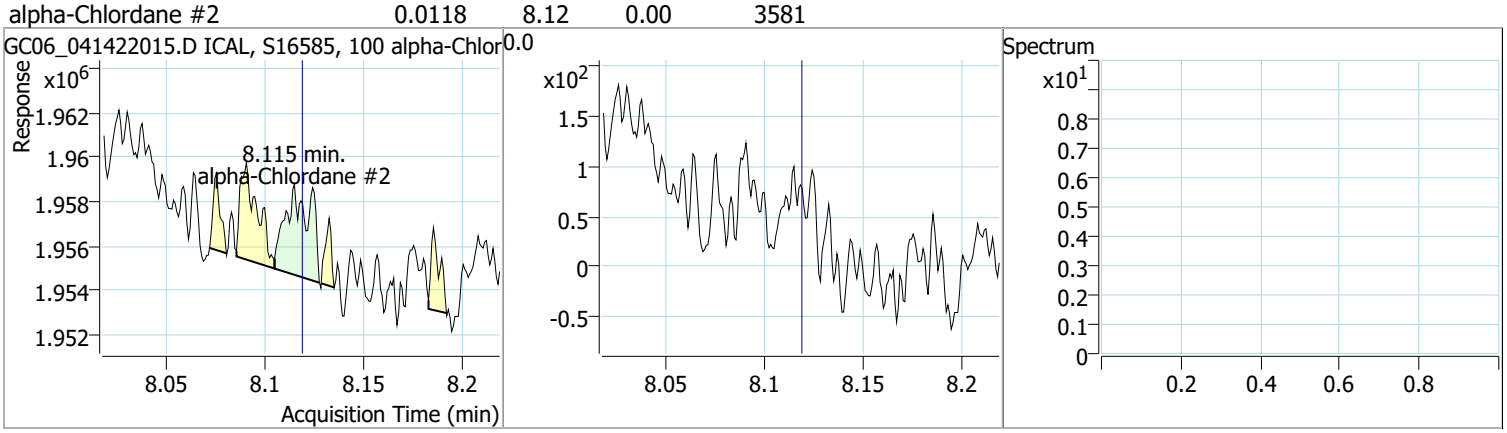
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	0.0306	7.99	0.05	2641			



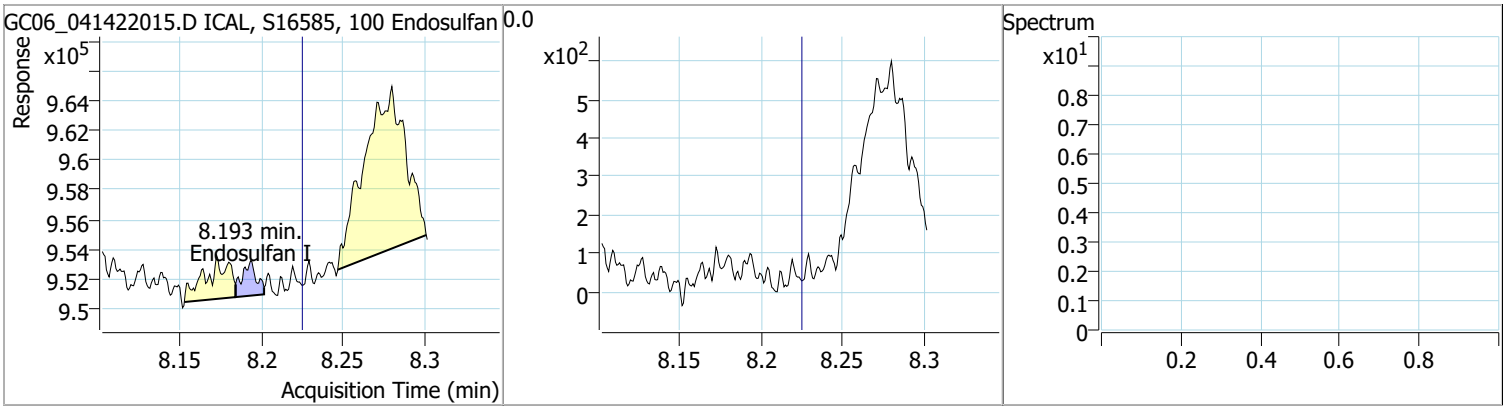
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	0.9565	8.05	0.00	80424			



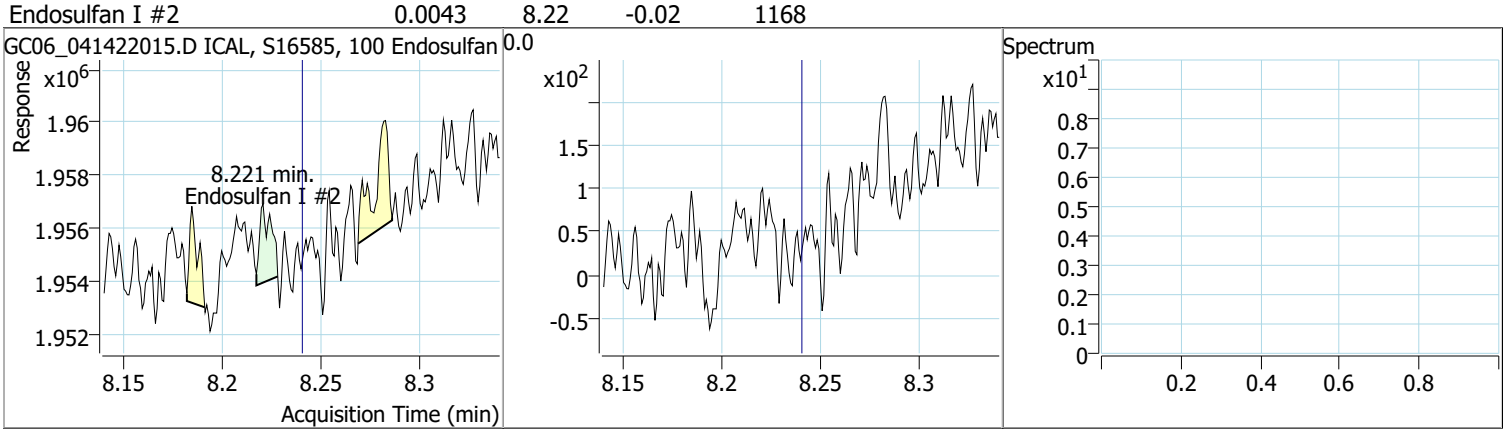
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0118	8.12	0.00	3581		



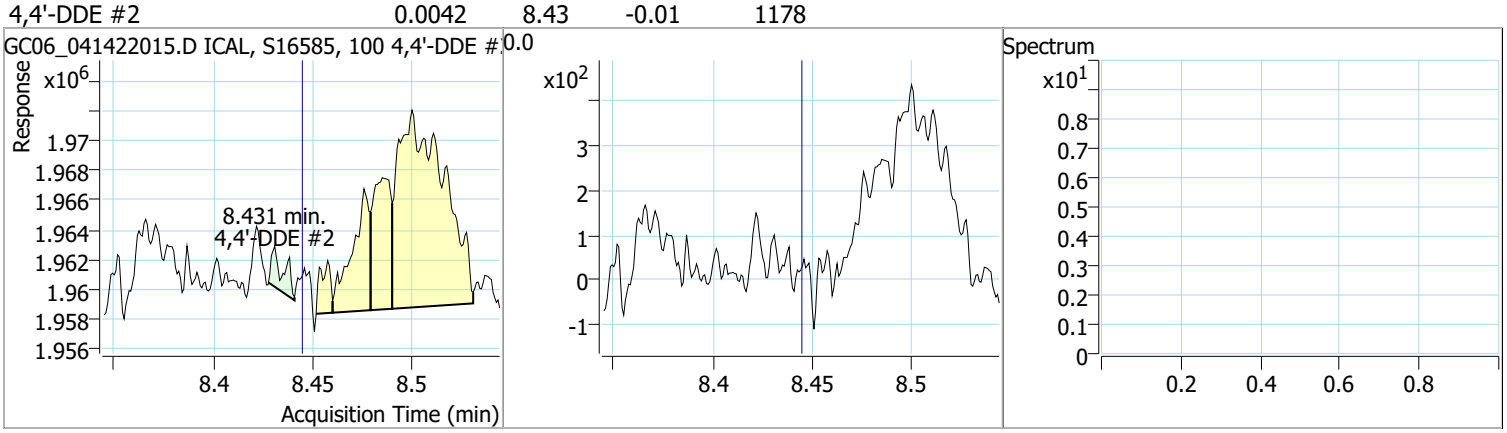
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	0.0184	8.19	0.01	1453		



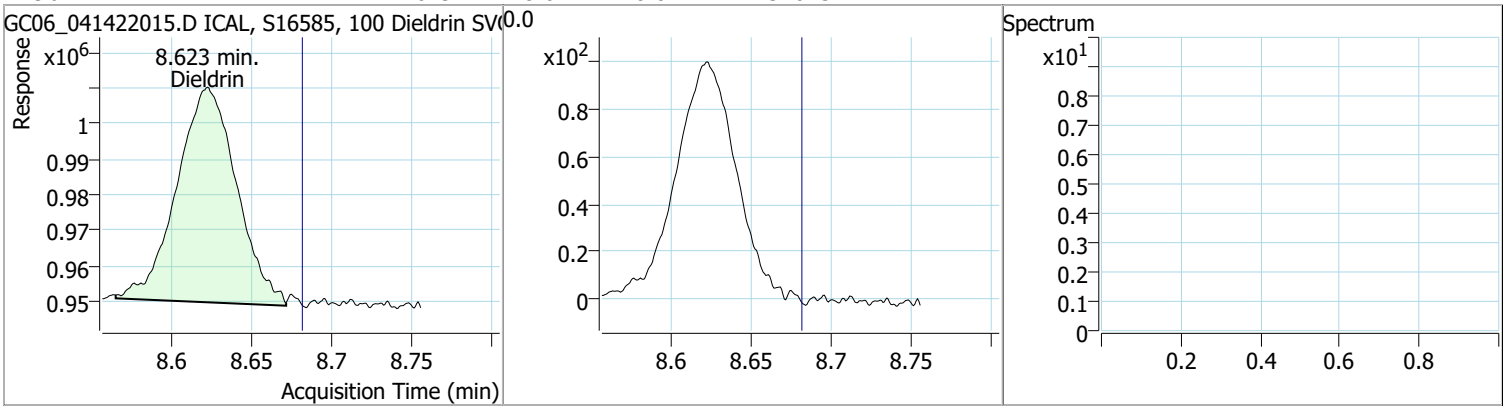
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.0043	8.22	-0.02	1168		



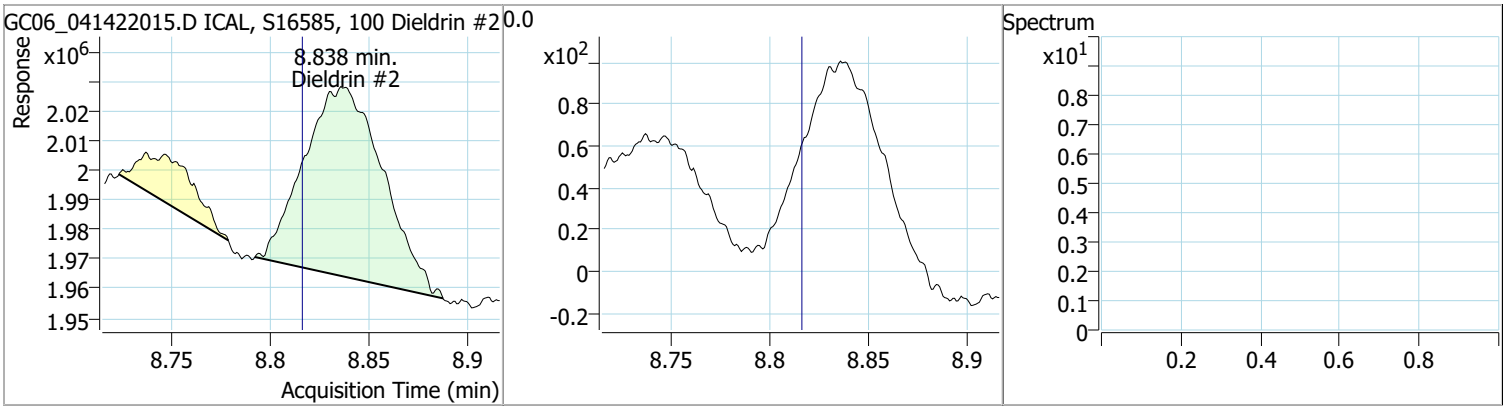
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	0.0042	8.43	-0.01	1178		



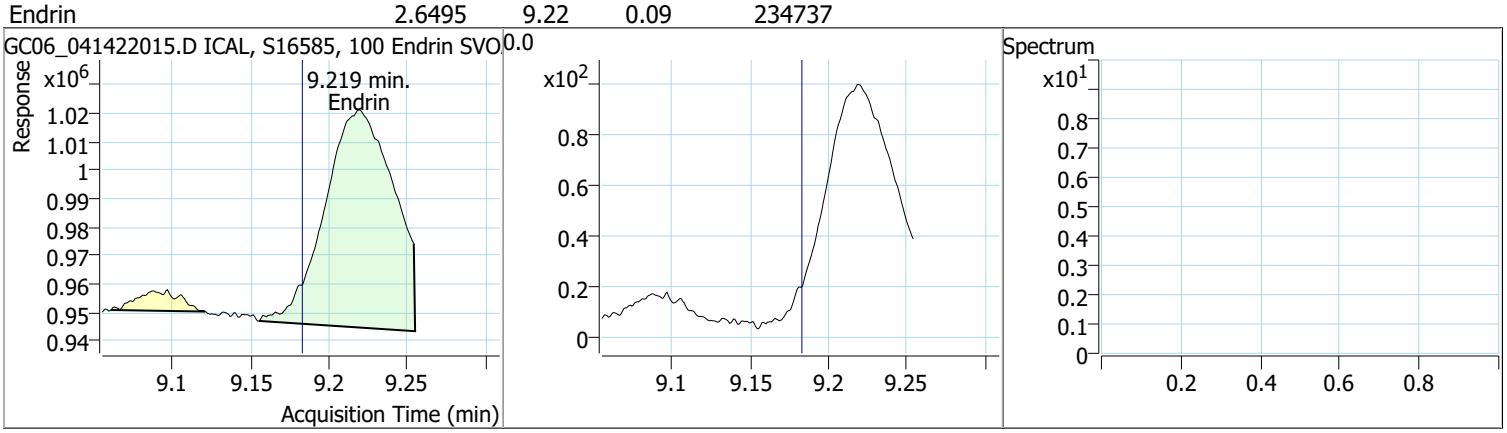
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	1.6791	8.62	-0.01	157673			



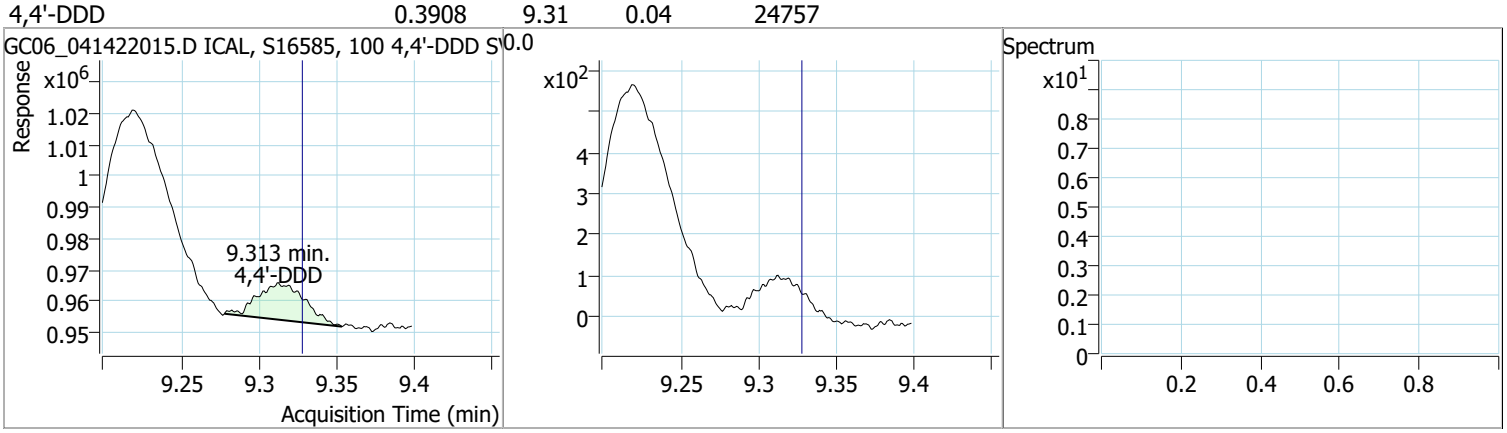
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	0.5745	8.84	0.02	177695			



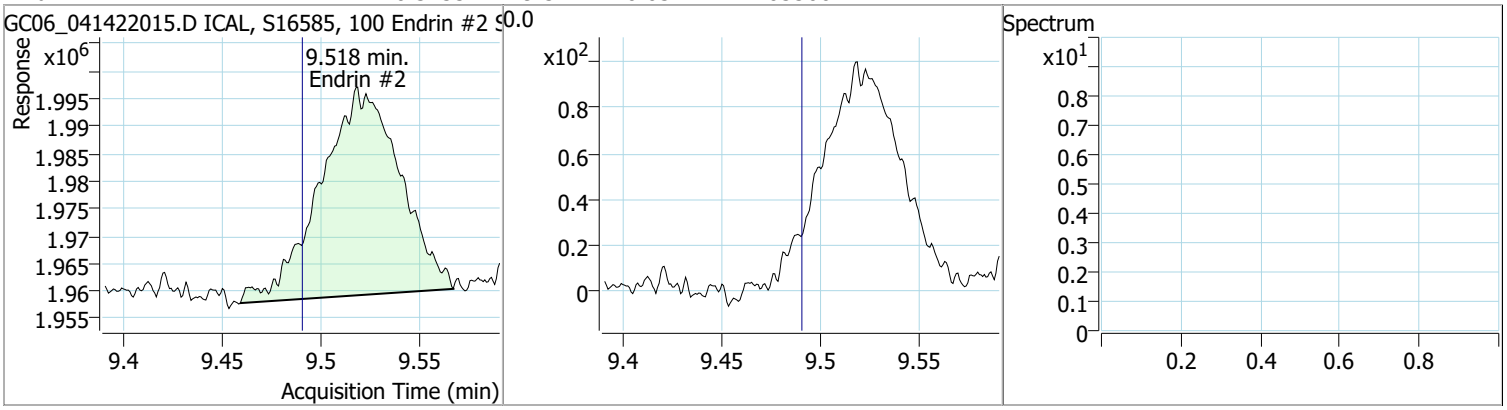
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	2.6495	9.22	0.09	234737			



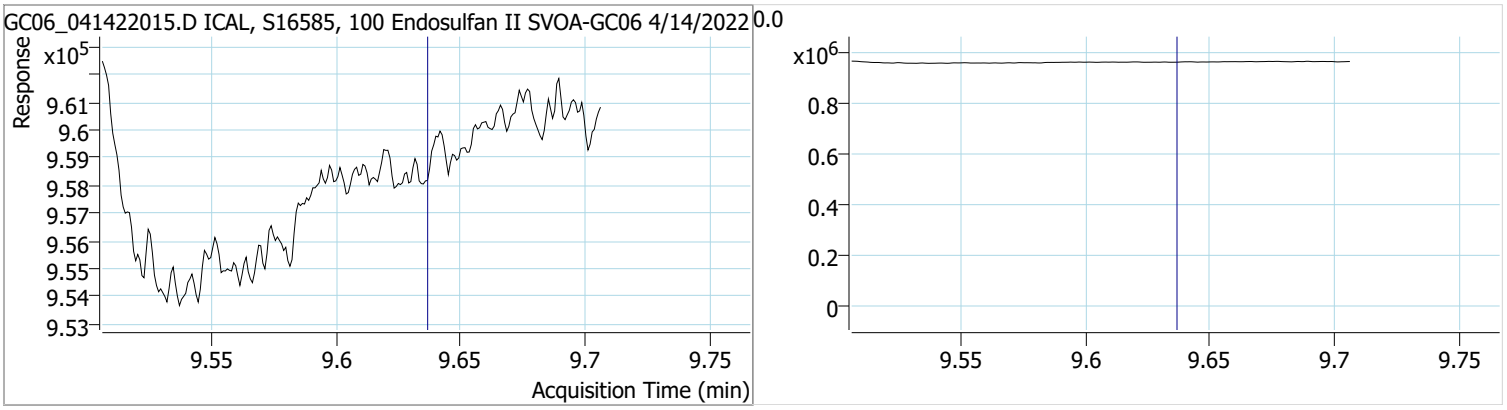
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	0.3908	9.31	0.04	24757			



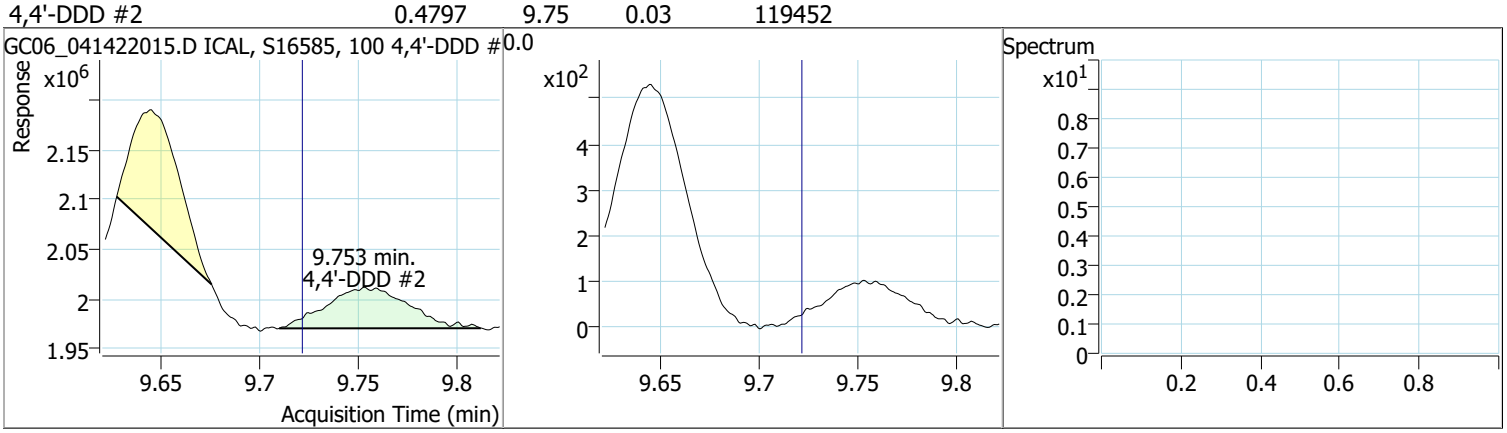
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endrin #2	0.3755	9.52	0.03	105500		



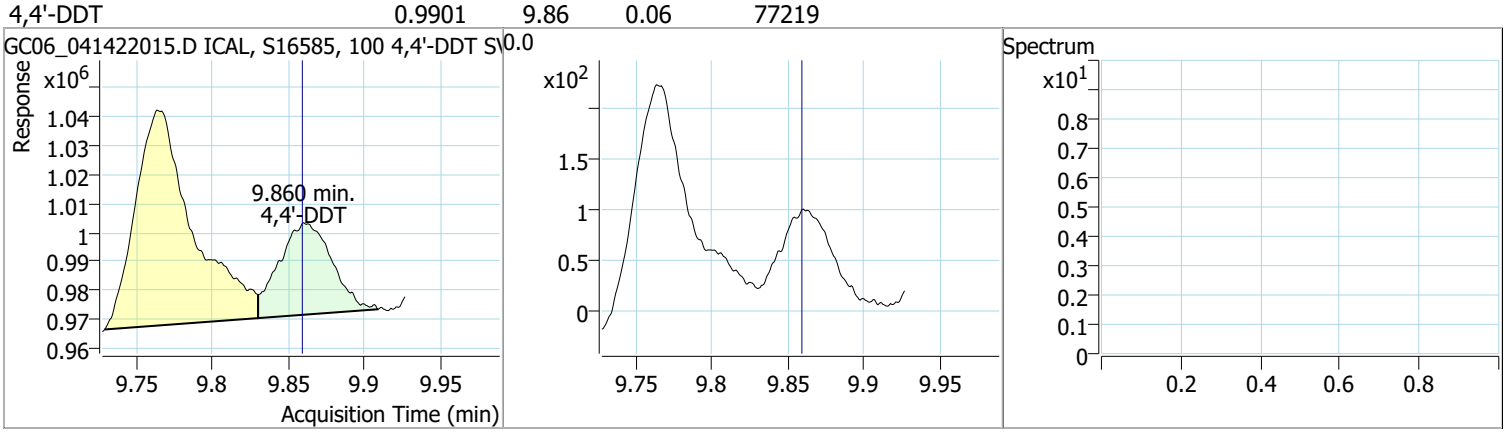
Compound	Conc.		Exp Ratio
Endosulfan II	N.D.	9.58	



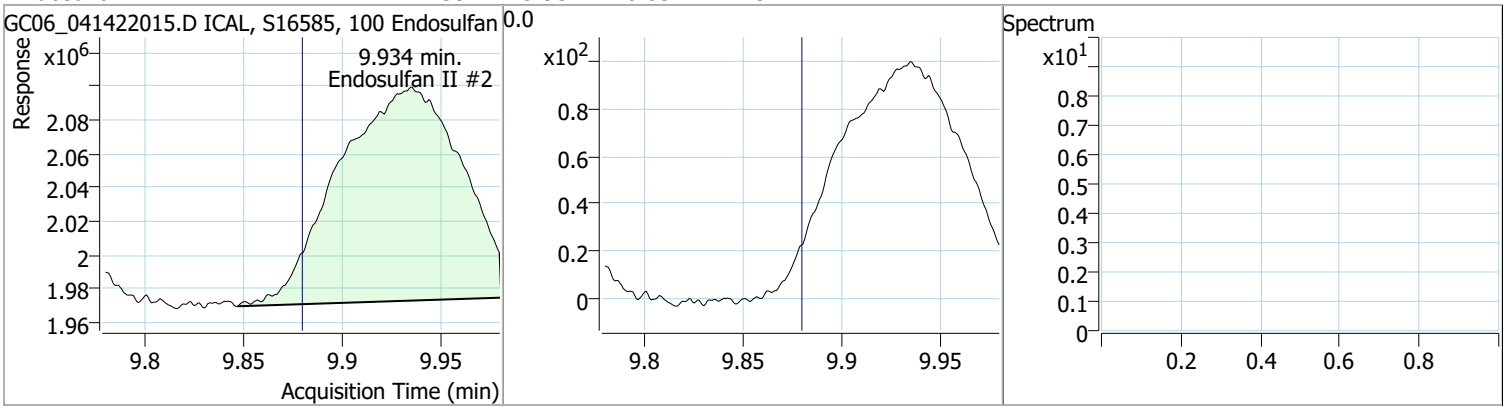
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	0.4797	9.75	0.03	119452		



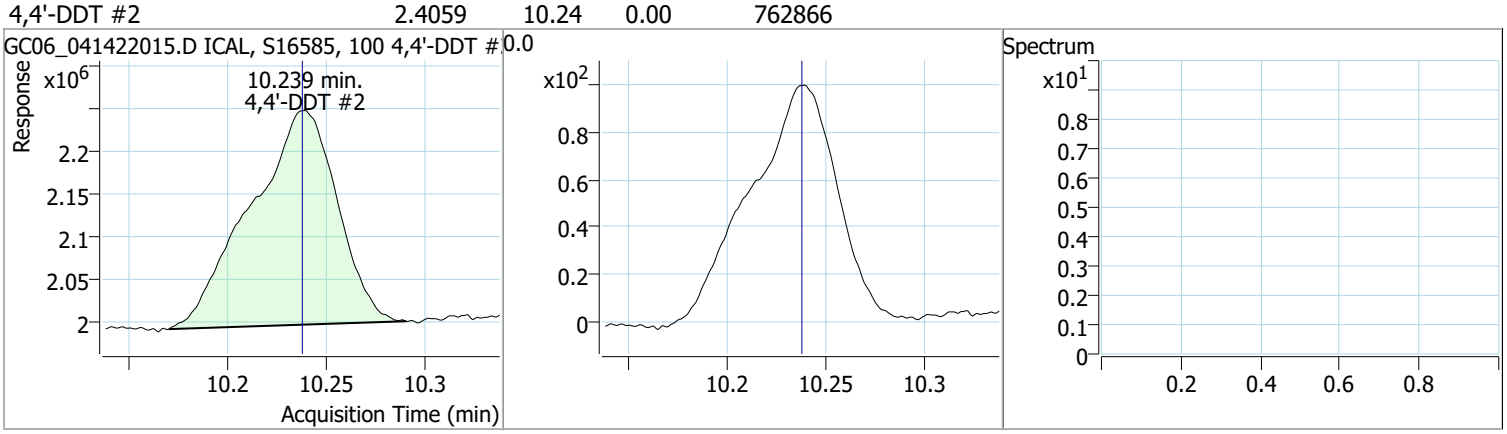
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	0.9901	9.86	0.06	77219		



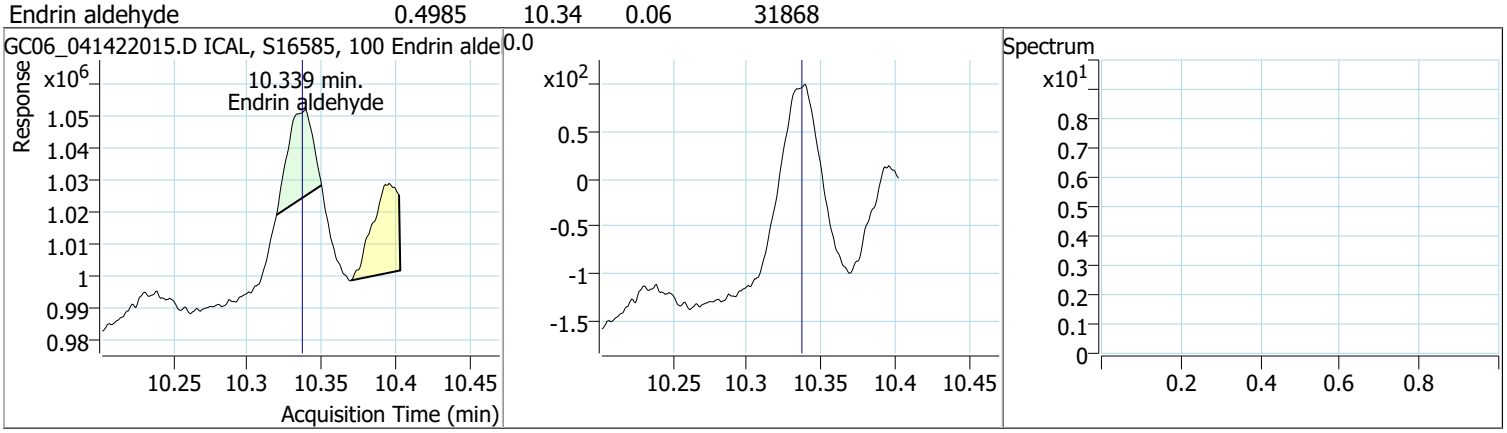
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	1.7435	9.93	0.05	542724			



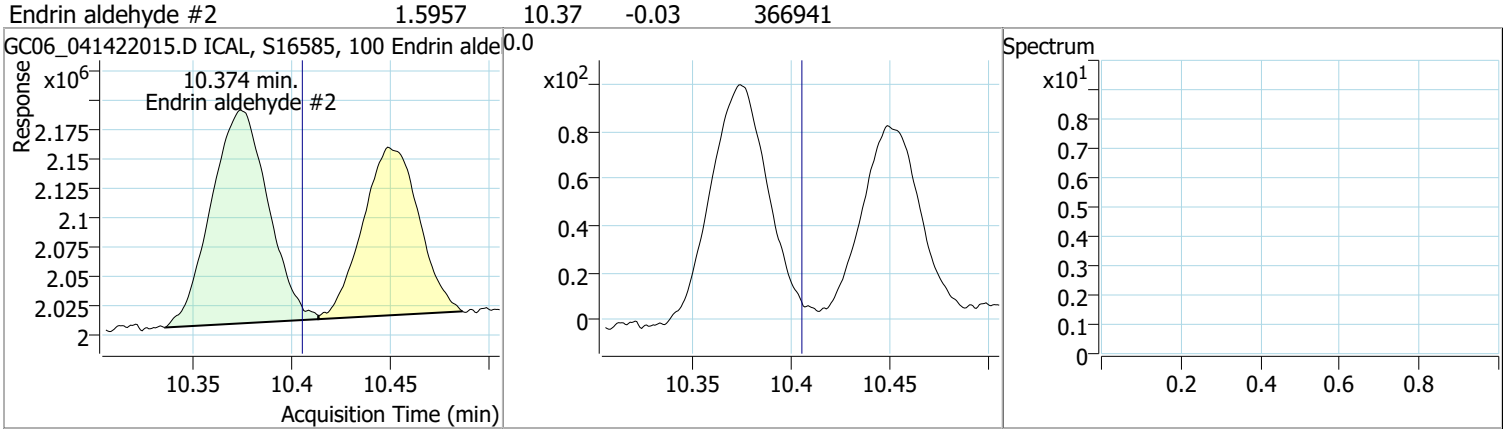
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	2.4059	10.24	0.00	762866			



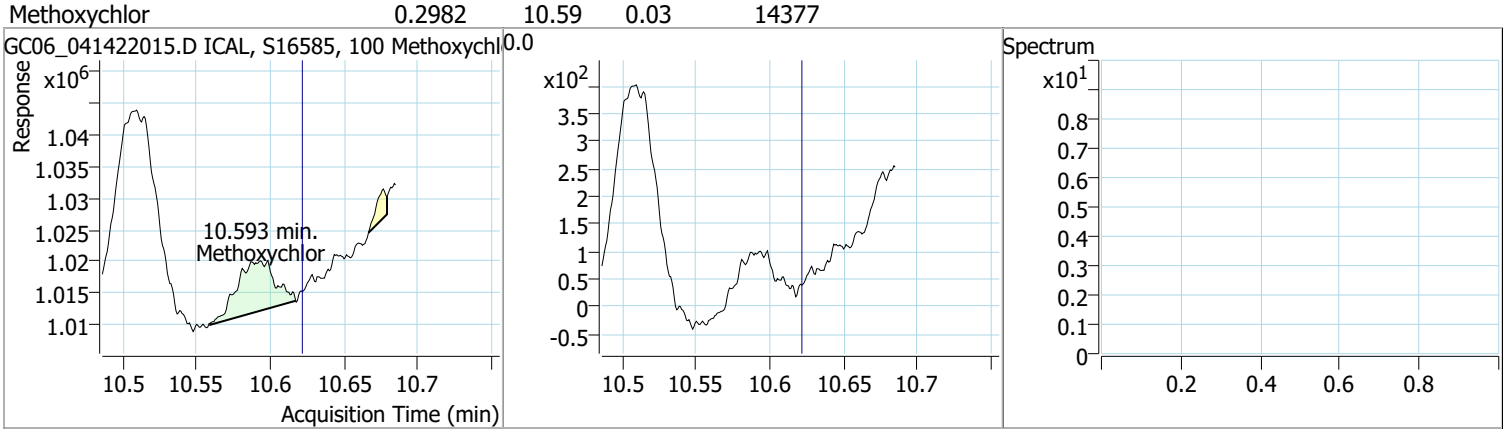
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	0.4985	10.34	0.06	31868			



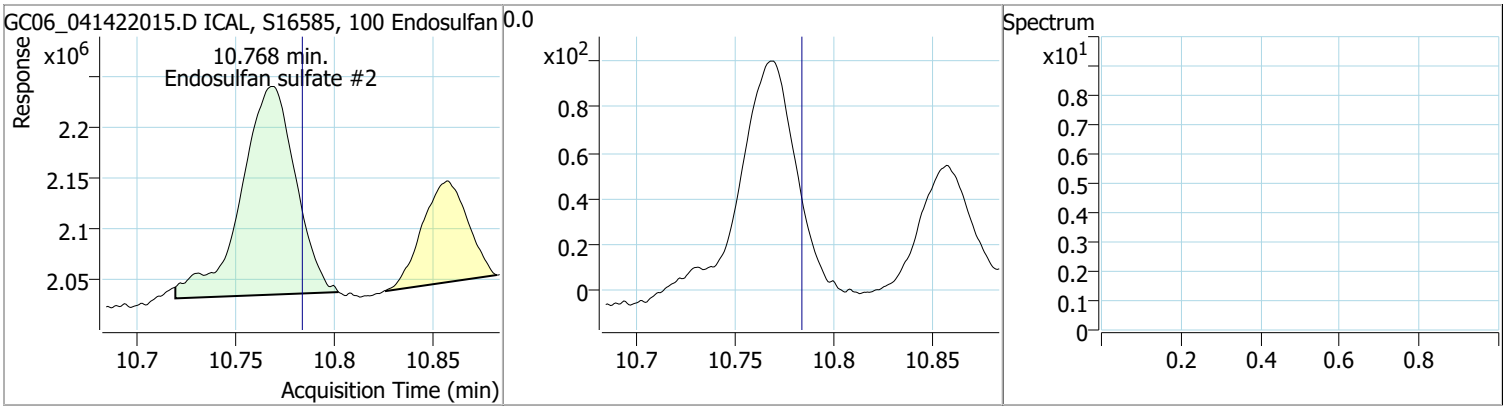
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	1.5957	10.37	-0.03	366941			



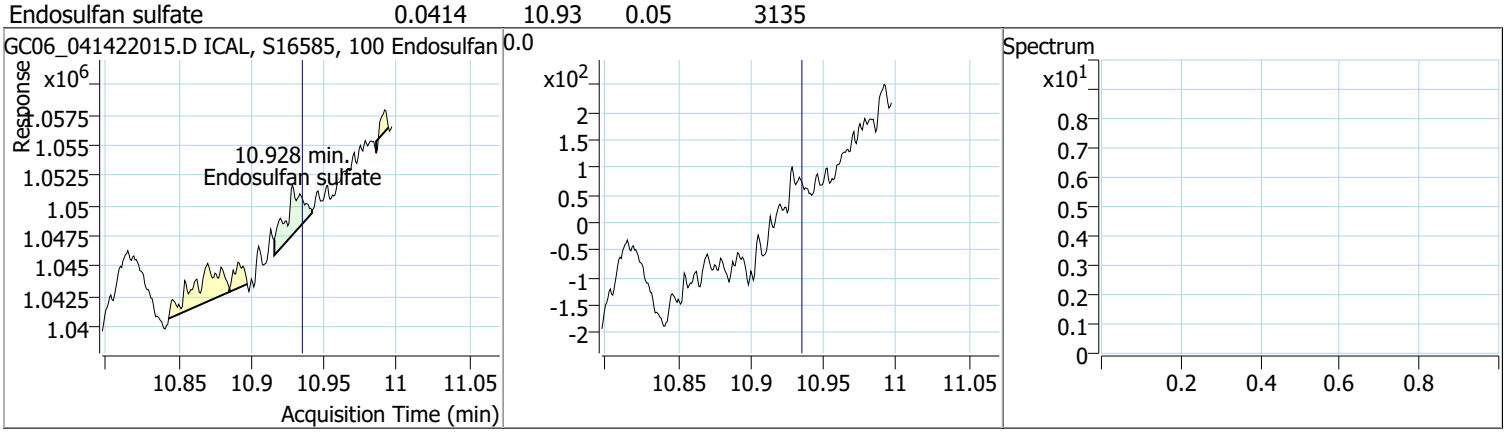
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	0.2982	10.59	0.03	14377			



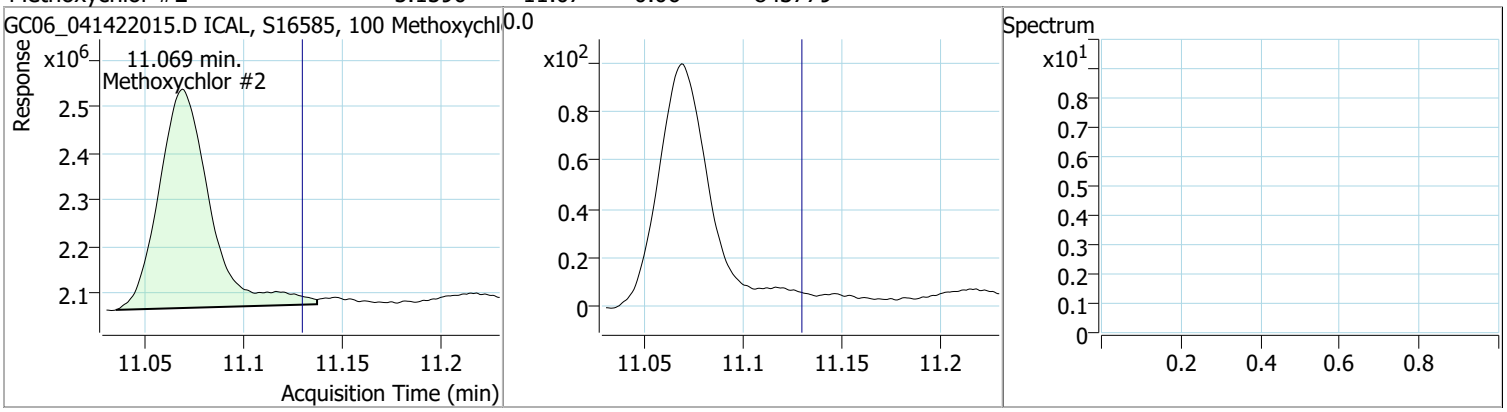
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	1.5080	10.77	-0.02	395804			



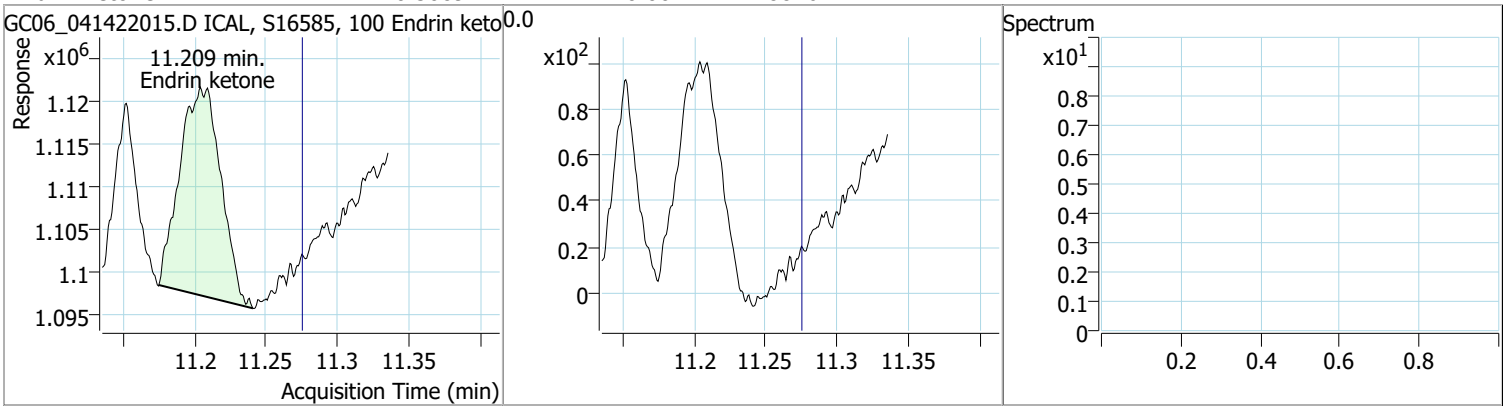
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	0.0414	10.93	0.05	3135			



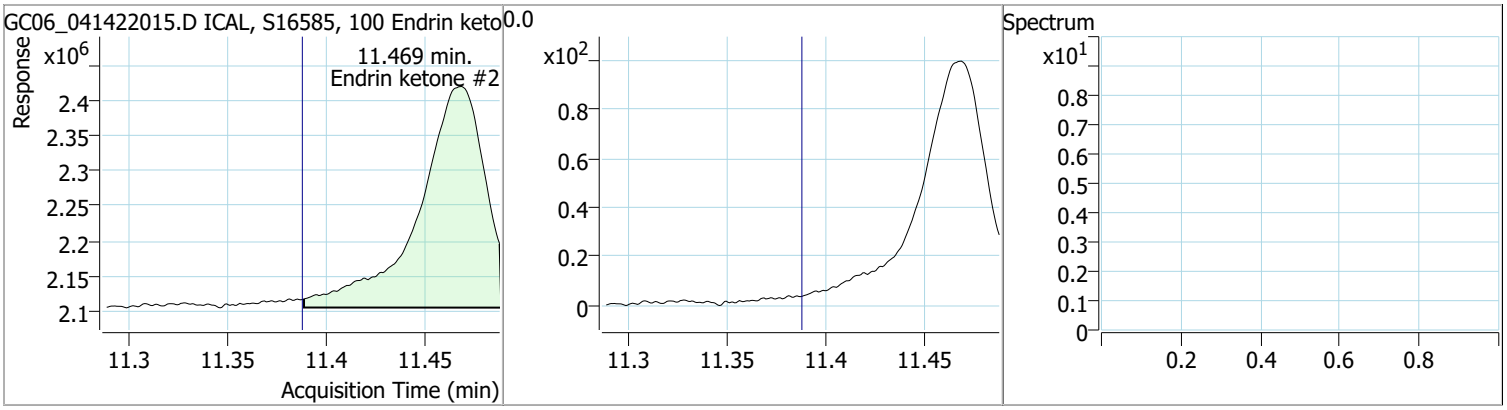
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	5.1590	11.07	-0.06	843779			



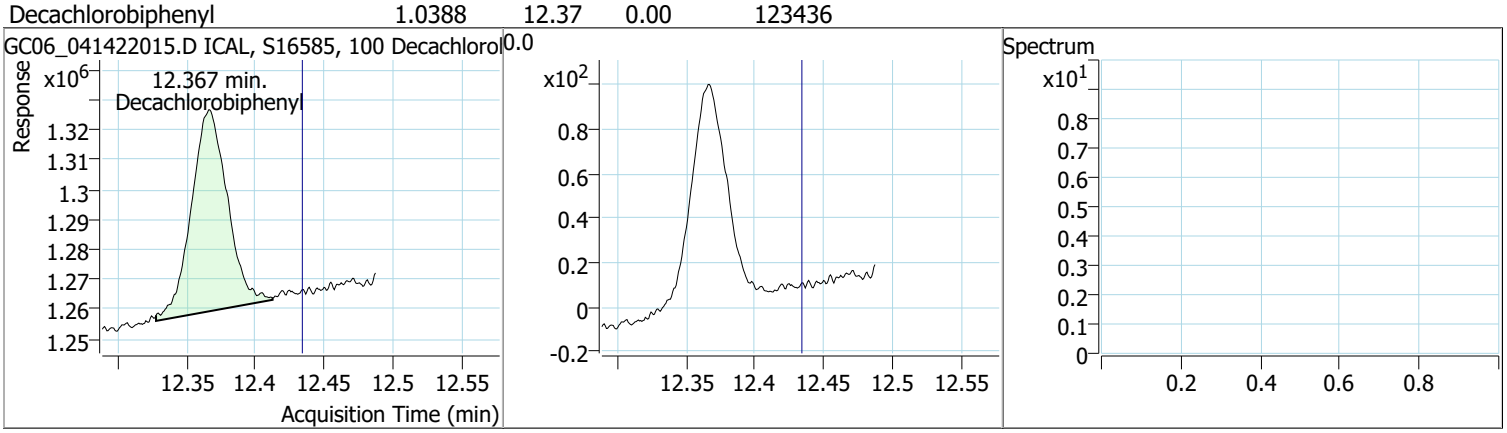
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	0.5089	11.21	0.00	48846		



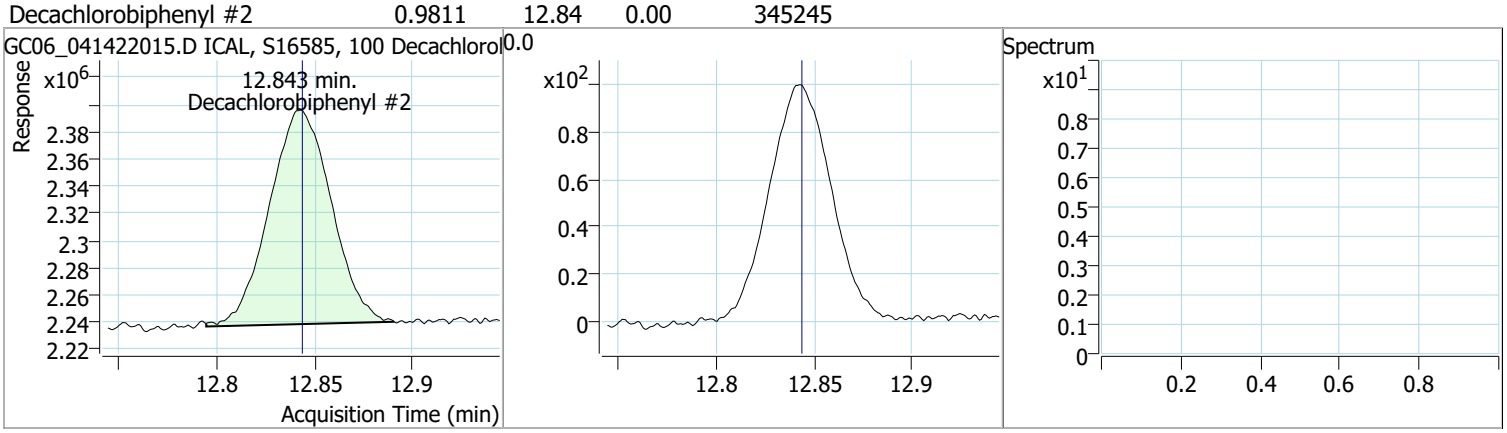
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	2.1658	11.47	0.08	729349		



Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	1.0388	12.37	0.00	123436		

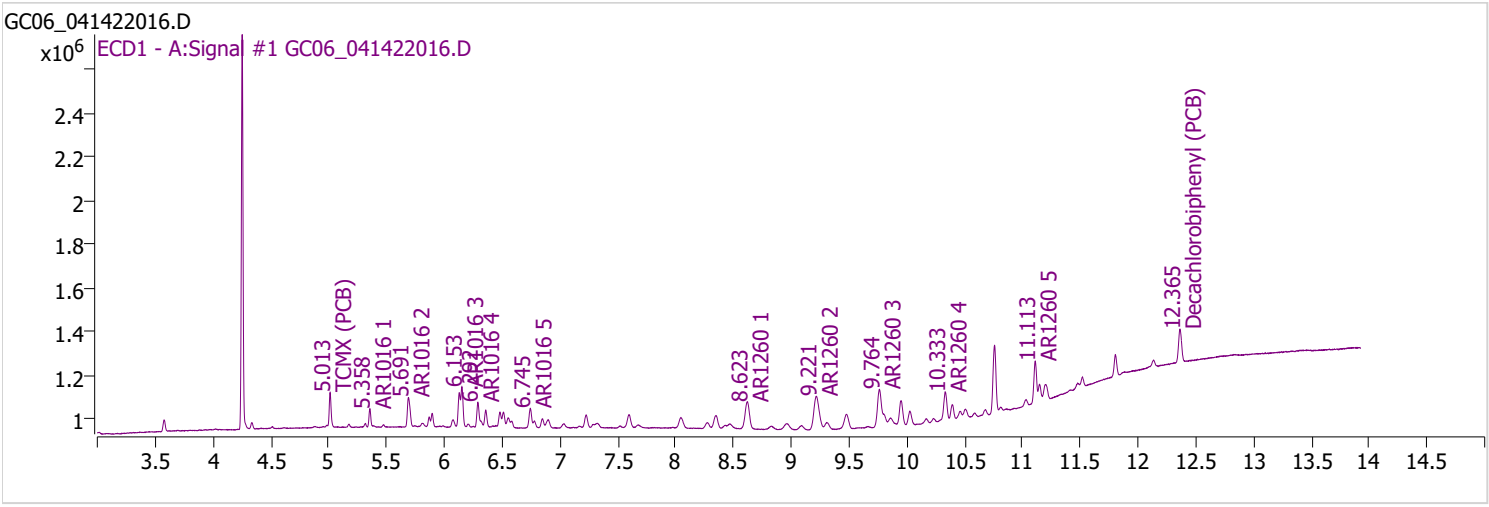


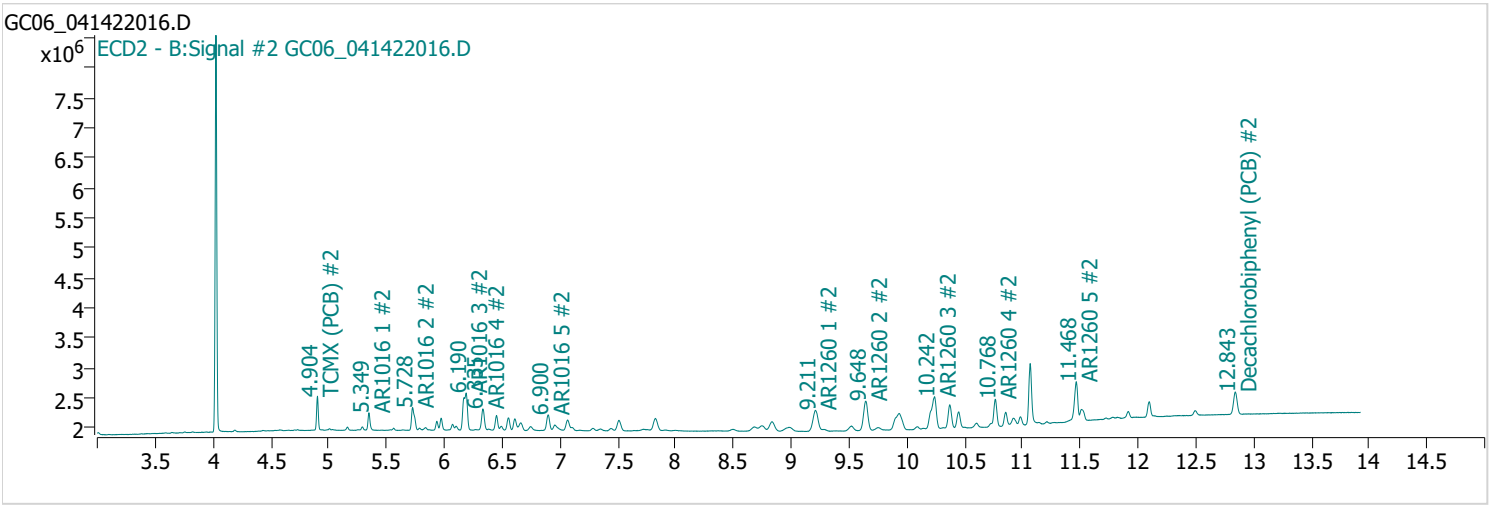
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	0.9811	12.84	0.00	345245		



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422016.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 6:58:47 PM
Sample Name	ICAL, S16585, 40	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 112	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



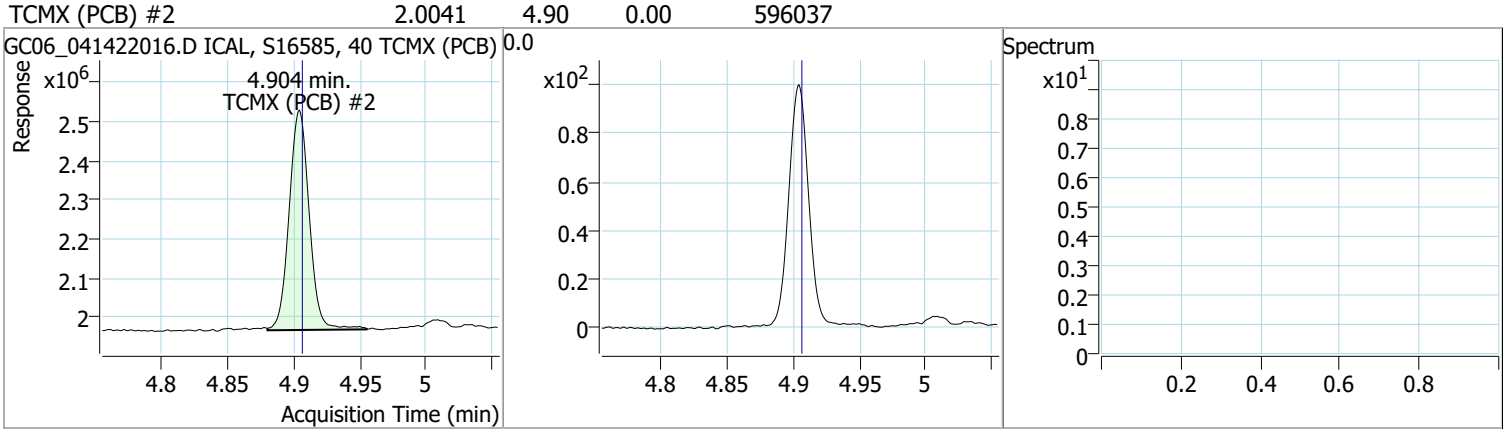


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.253	4.027	1831488	6493014	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.013	4.904	188695	596037	2.142	2.004	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	10.71% *	10.02% *	
S Decachlorobiphenyl (PCB)	12.365	12.843	290870	827447	2.089	2.112	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	10.44% *	10.56% *	
Target Compounds							
T AR1016 1	5.358	5.349	104021	377064	58.063	62.012	ng/ml
T AR1016 2	5.691	5.728	225209	695061	57.734	55.082	ng/ml
T AR1016 3	6.153	6.190	249063	930464 m	54.252	55.913	ng/ml
T AR1016 4	6.292	6.335	184253	603270	53.632	53.434	ng/ml
T AR1016 5	6.745	6.900	143229	478382	53.895	54.196	ng/ml
T AR1260 1	8.623	9.211	318657	1107150	55.286	56.339	ng/ml
T AR1260 2	9.221	9.648	492737	1253059	55.504	55.184	ng/ml
T AR1260 3	9.764	10.242	494318	1674833	53.563	54.290	ng/ml
T AR1260 4	10.333	10.768	248801	901025	54.208	53.975	ng/ml

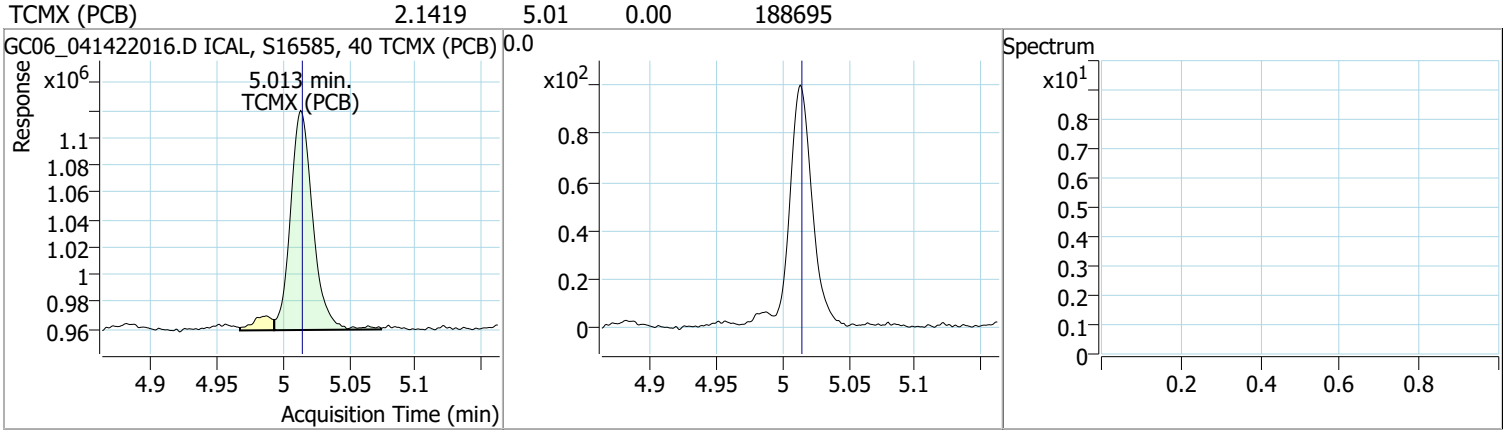
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.113	11.468	314669	1345193	51.800	54.657	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

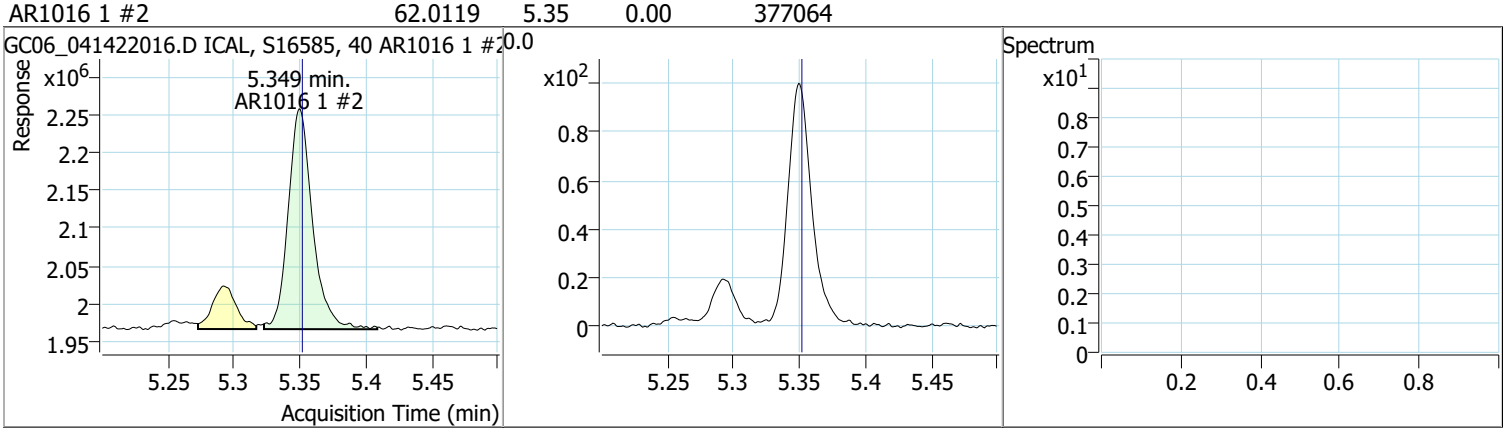
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	2.0041	4.90	0.00	596037			



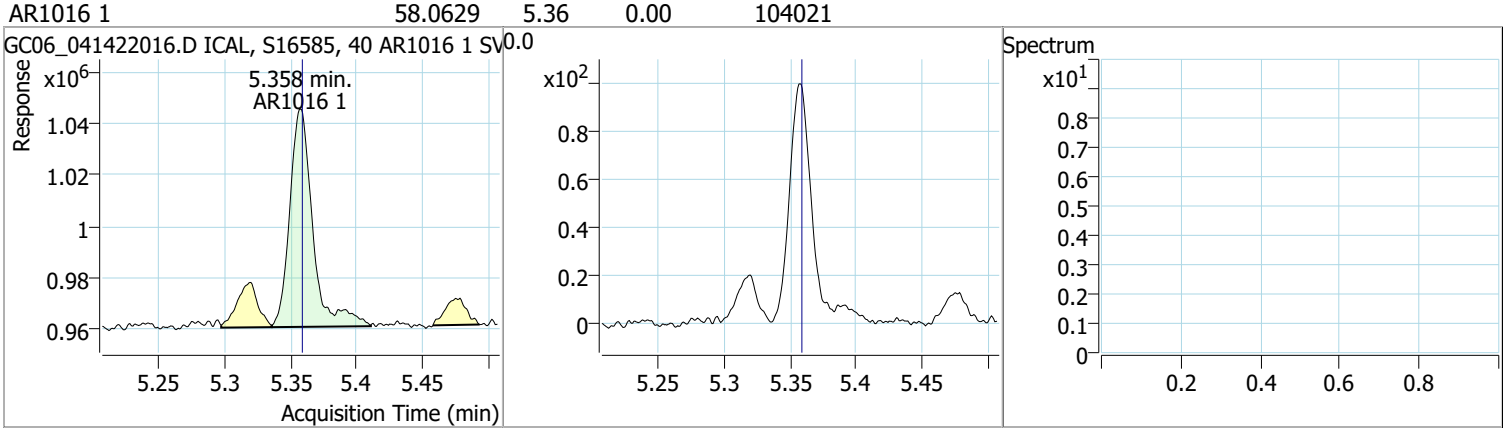
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	2.1419	5.01	0.00	188695			



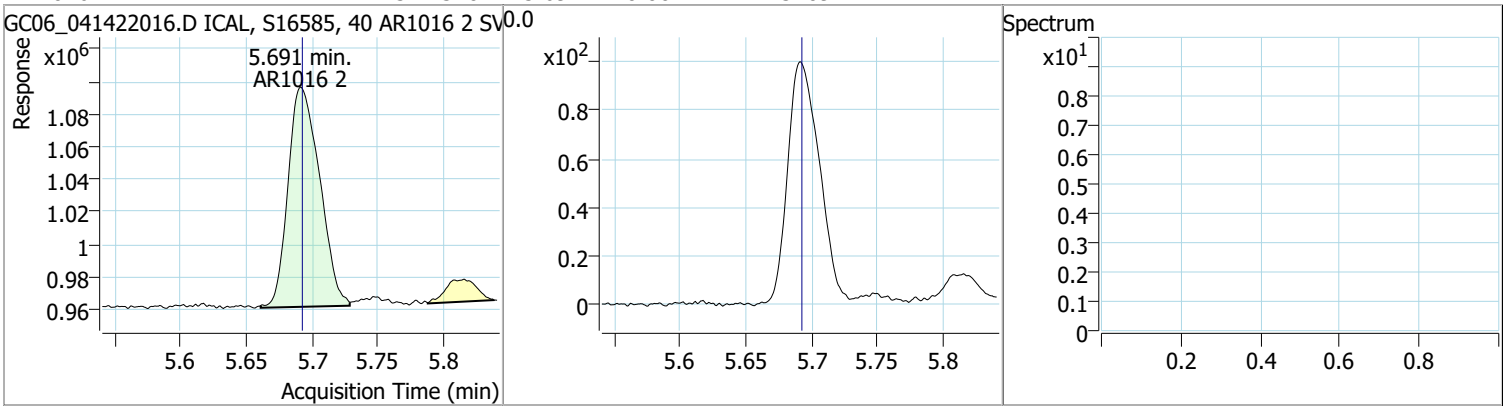
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	62.0119	5.35	0.00	377064			



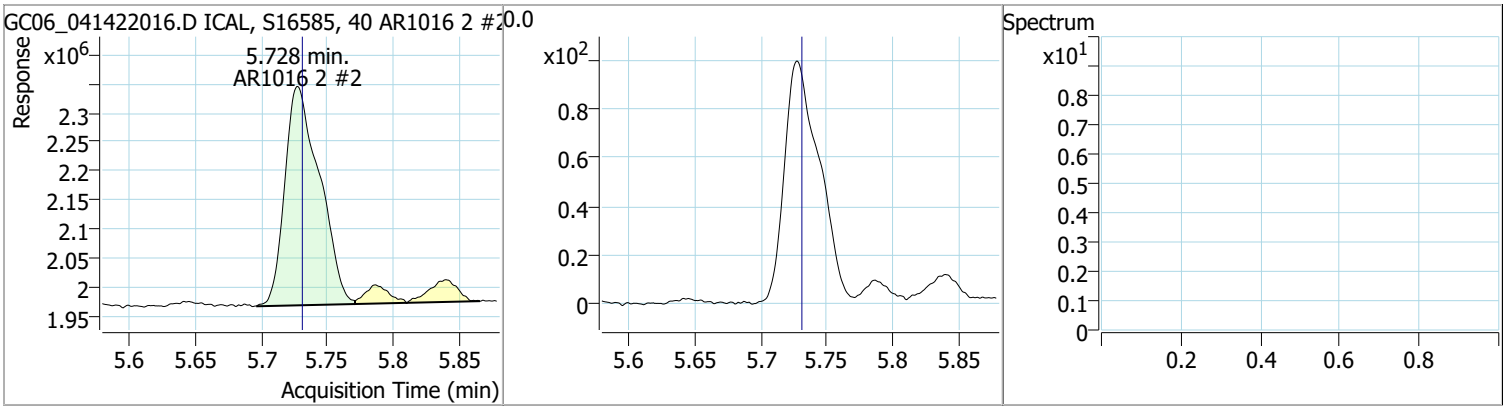
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	58.0629	5.36	0.00	104021			



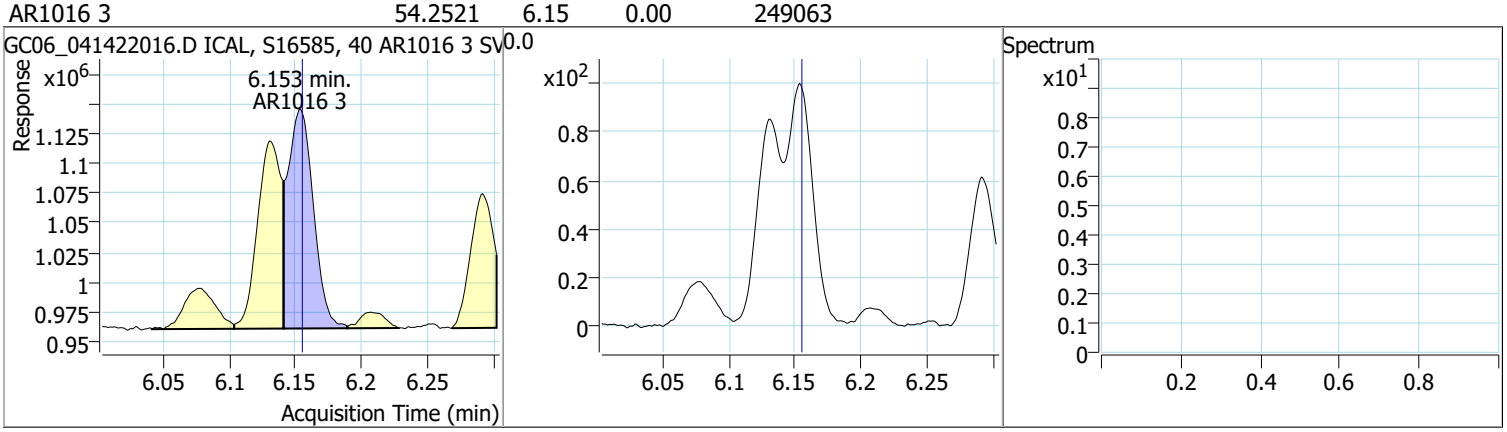
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	57.7340	5.69	0.00	225209			



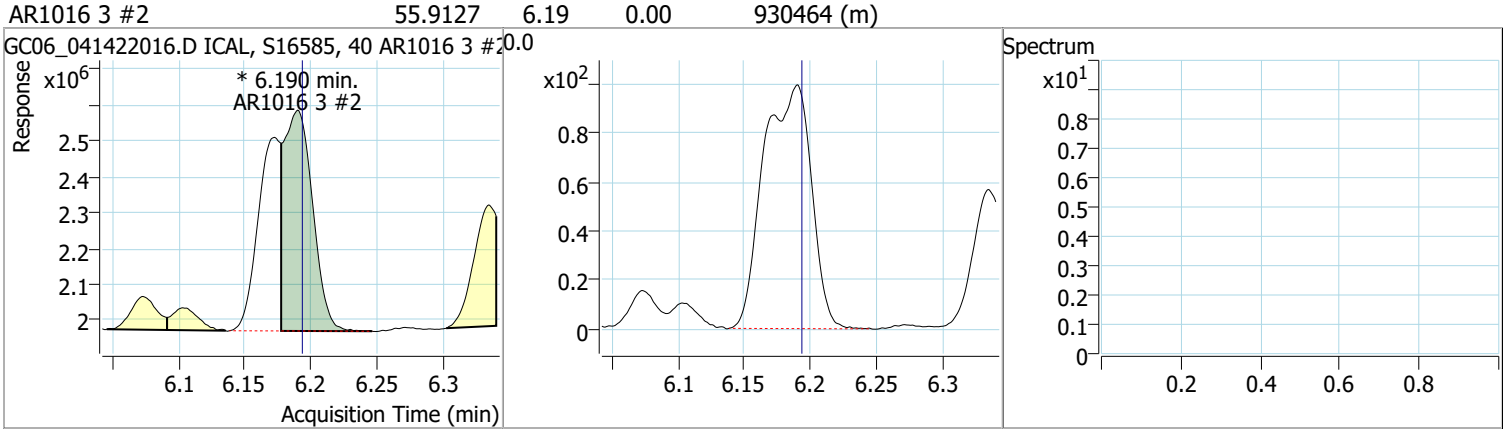
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	55.0824	5.73	0.00	695061			



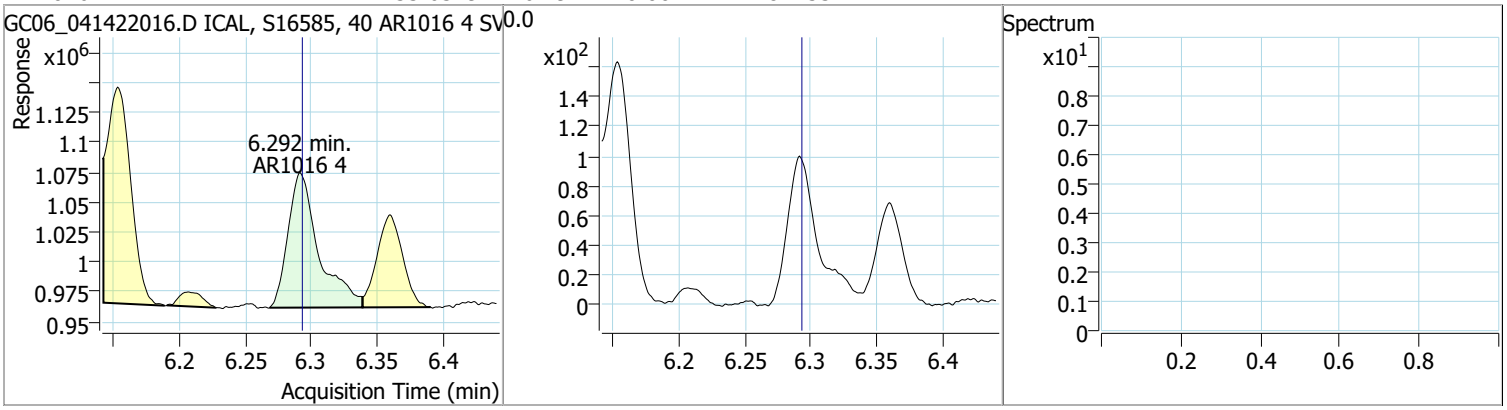
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	54.2521	6.15	0.00	249063			



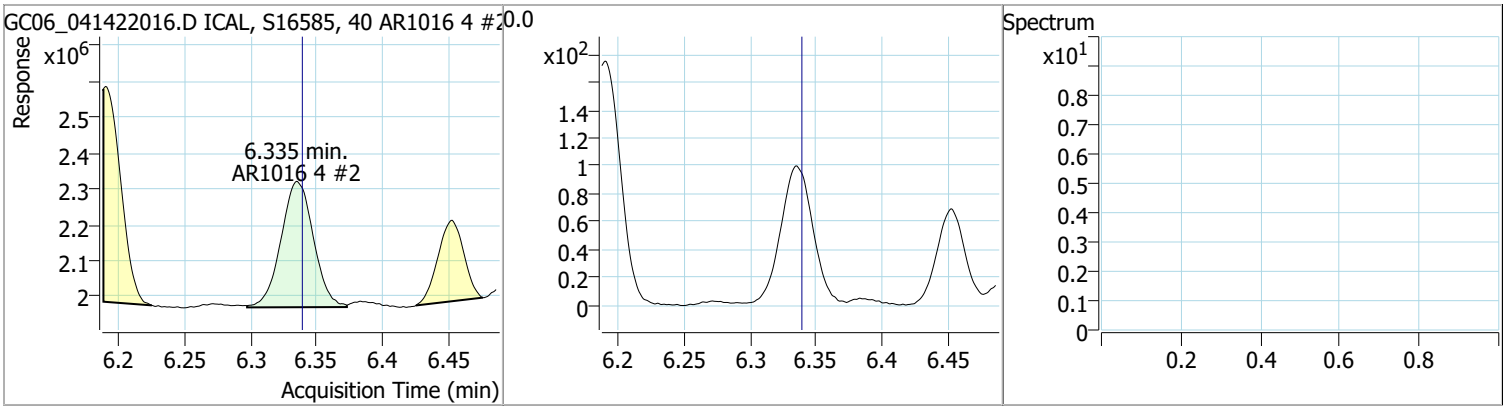
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	55.9127	6.19	0.00	930464 (m)			



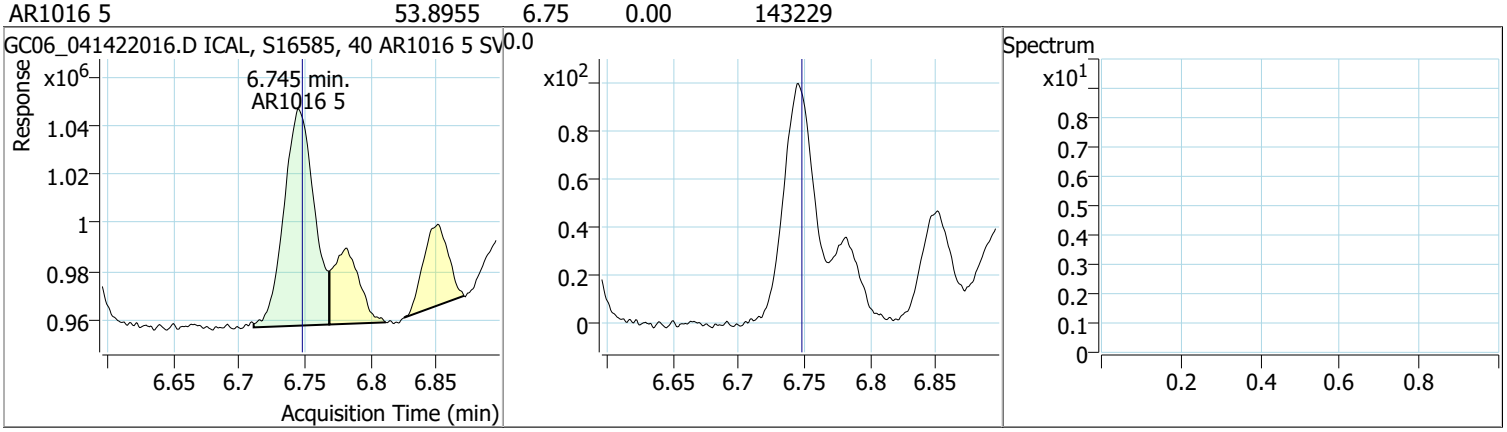
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	53.6319	6.29	0.00	184253			



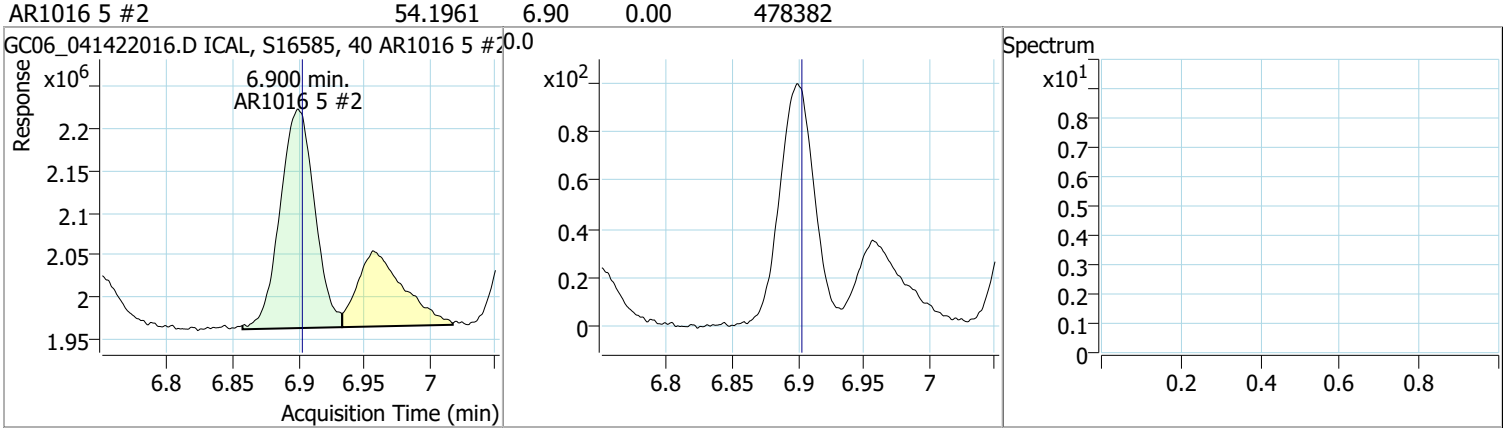
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	53.4336	6.34	0.00	603270			



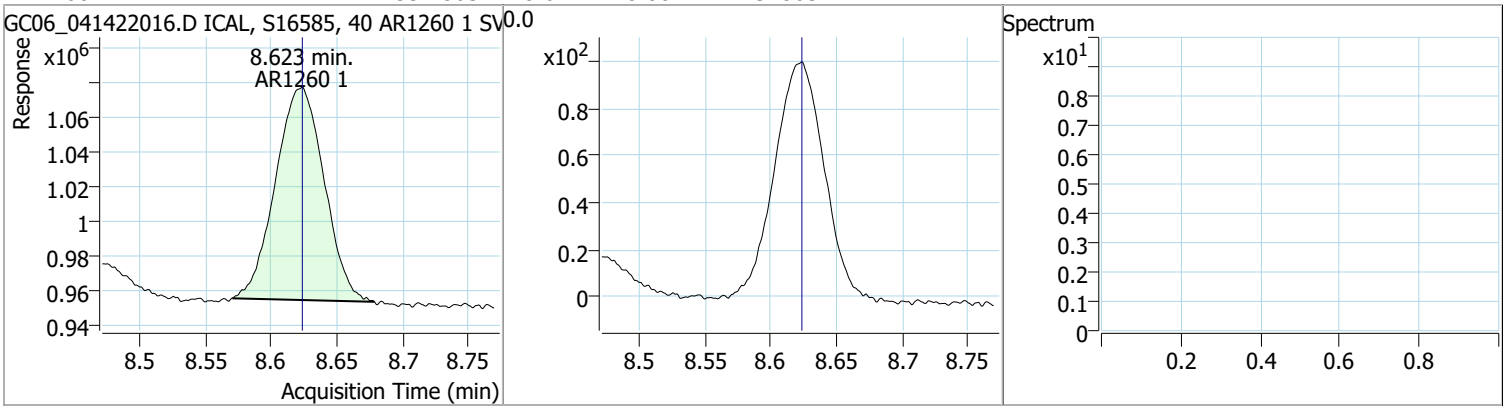
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	53.8955	6.75	0.00	143229			



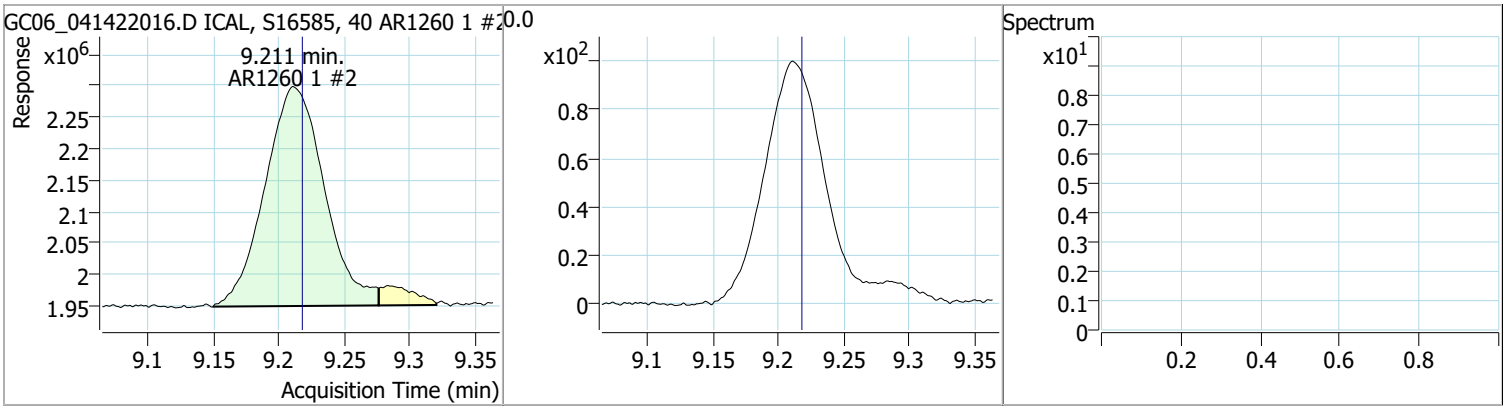
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	54.1961	6.90	0.00	478382			



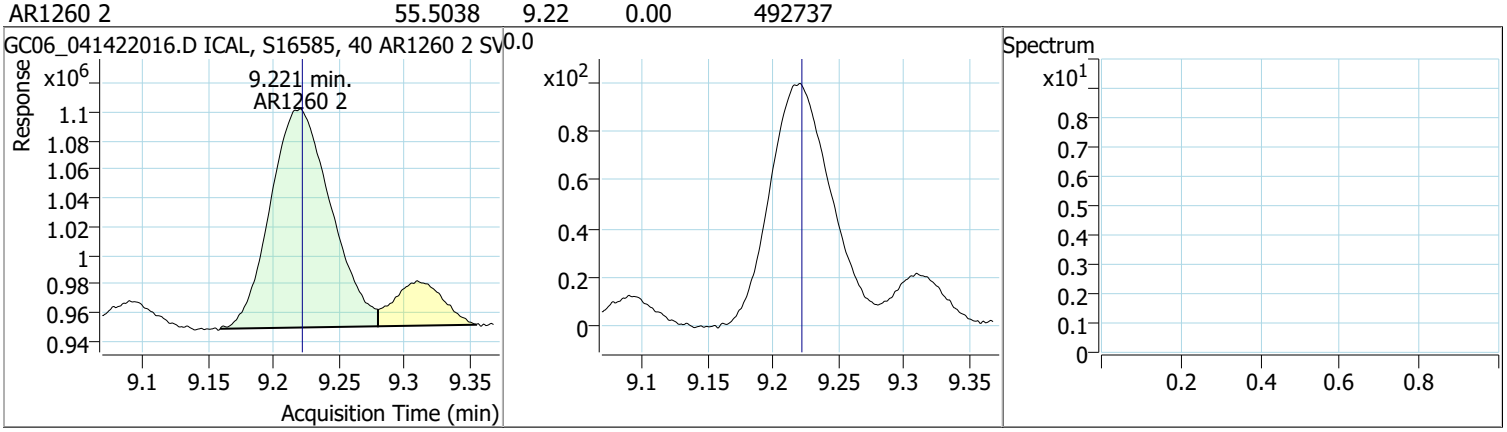
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	55.2863	8.62	0.00	318657			



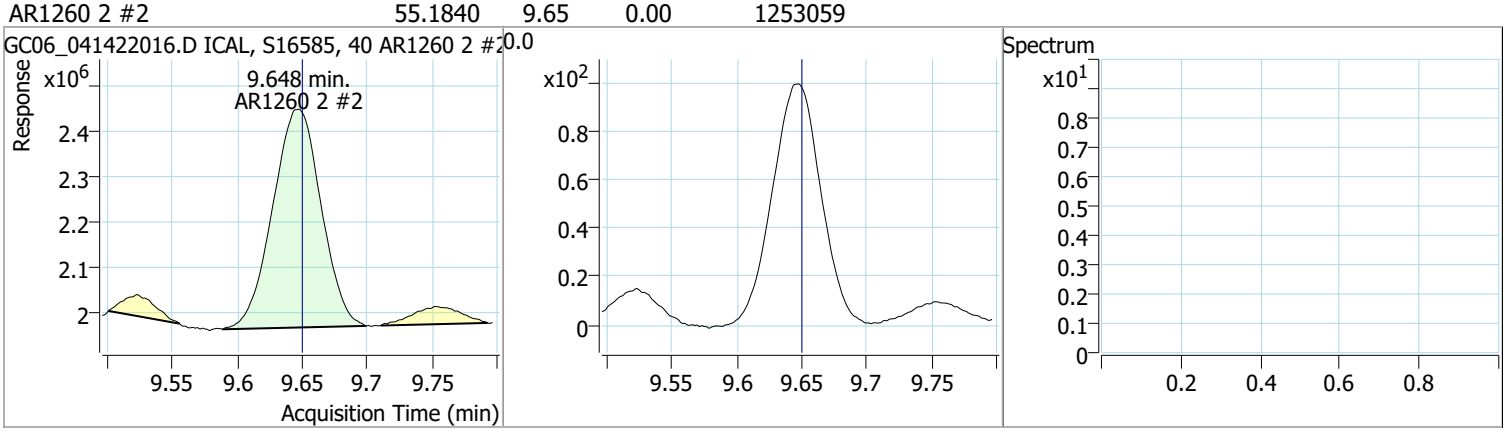
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	56.3386	9.21	0.00	1107150			



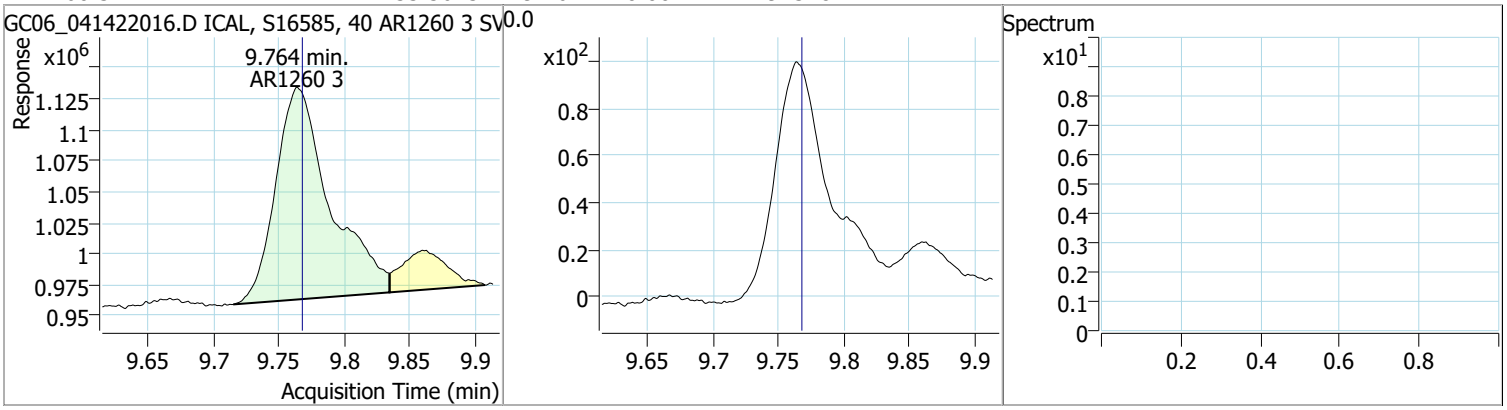
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	55.5038	9.22	0.00	492737			



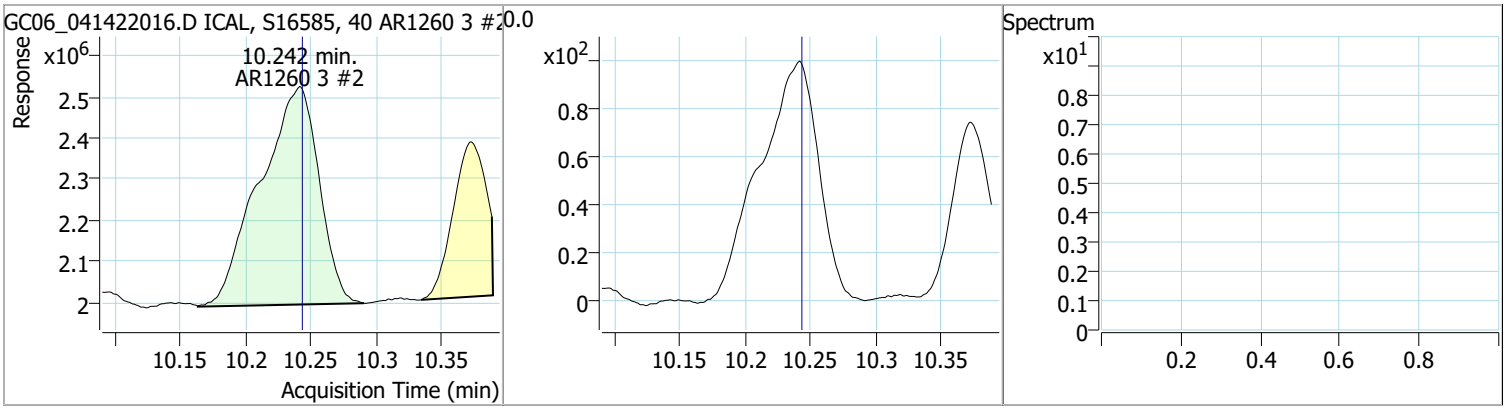
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	55.1840	9.65	0.00	1253059			



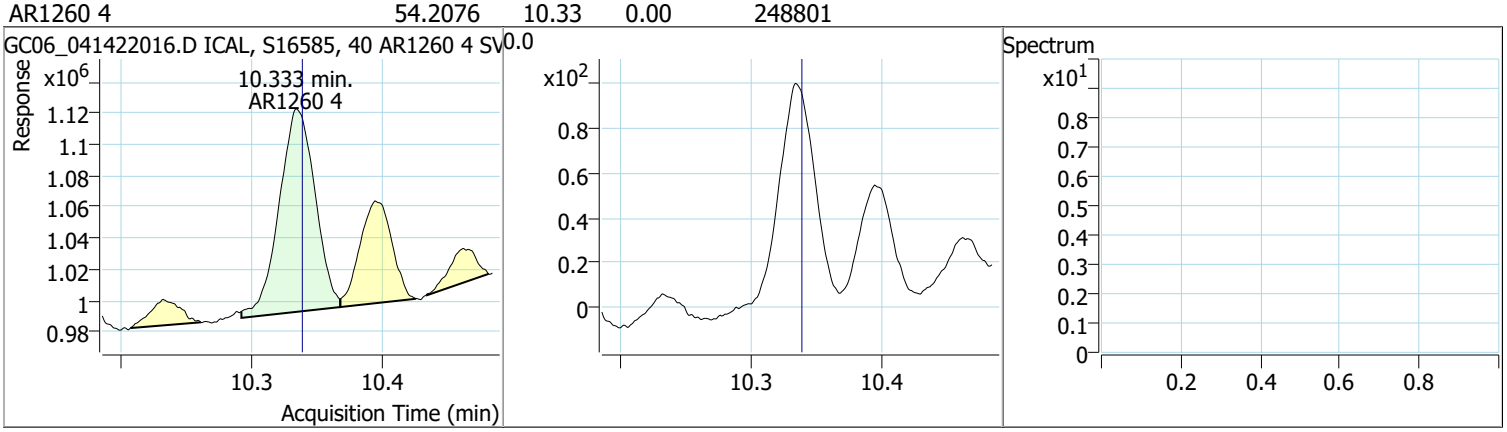
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	53.5625	9.76	0.00	494318			



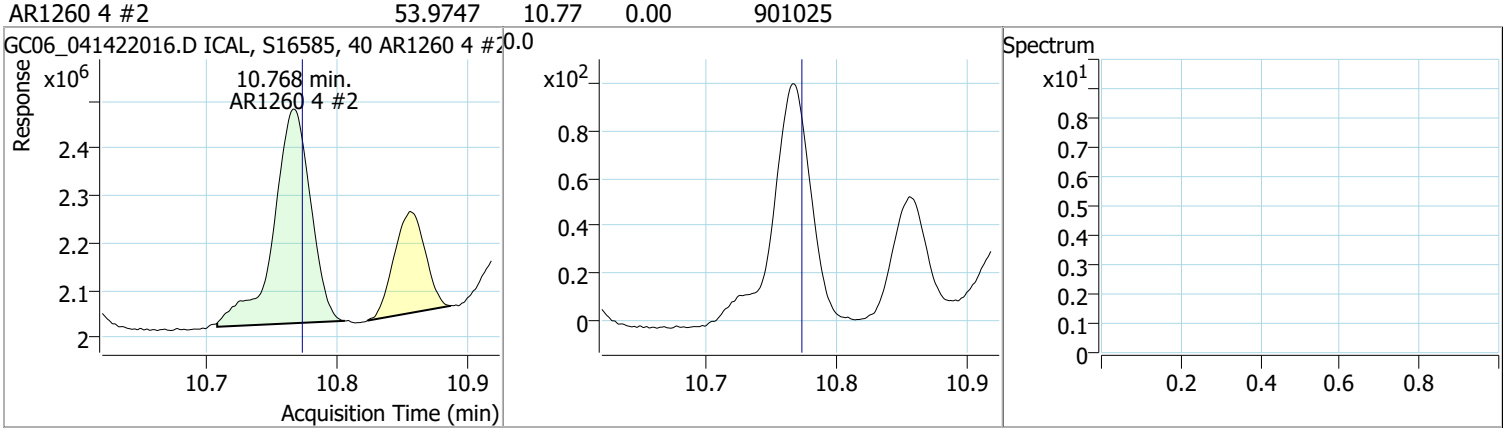
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	54.2896	10.24	0.00	1674833			



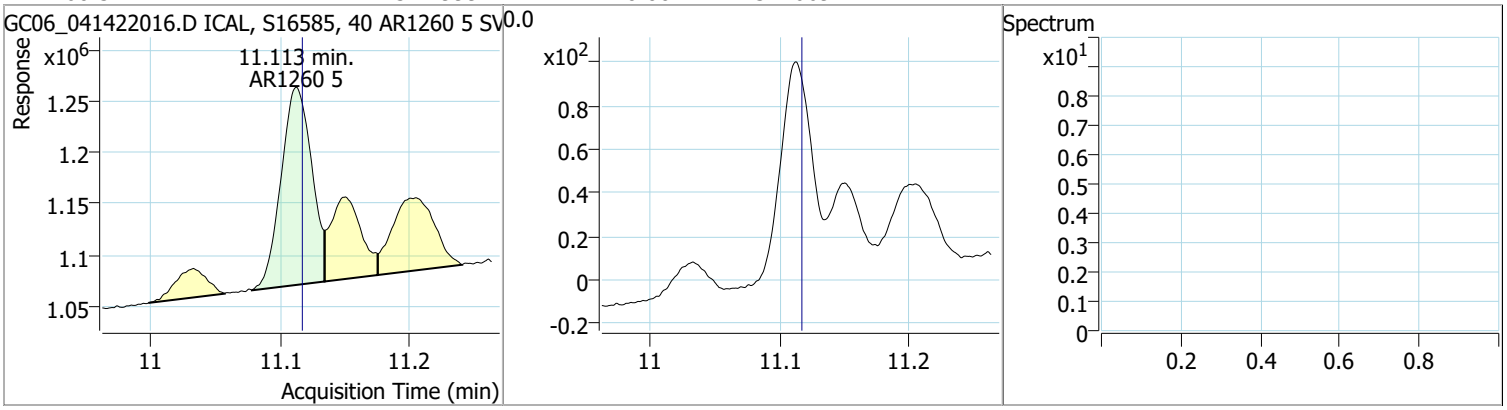
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	54.2076	10.33	0.00	248801			



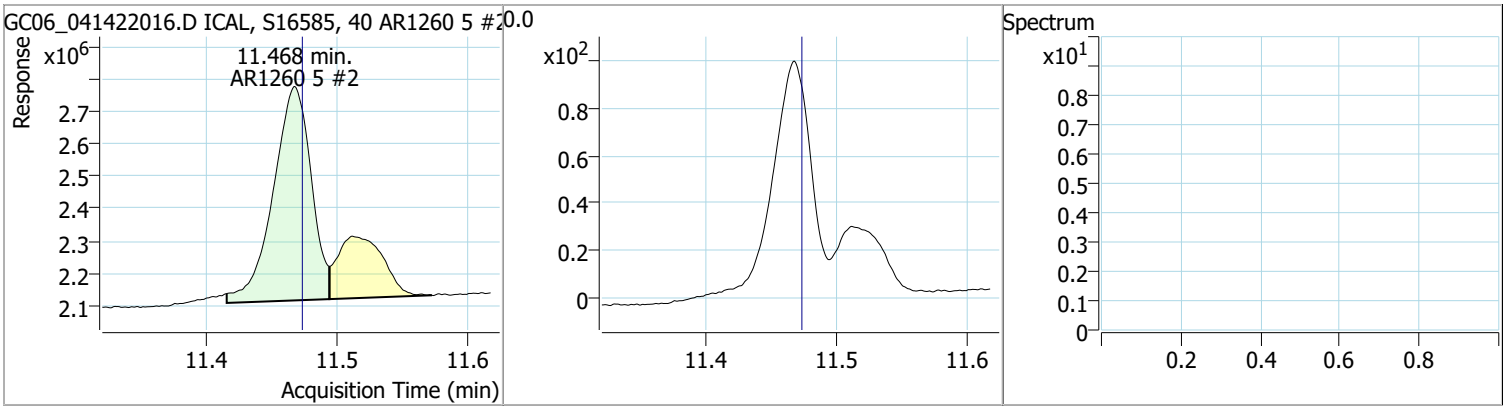
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	53.9747	10.77	0.00	901025			



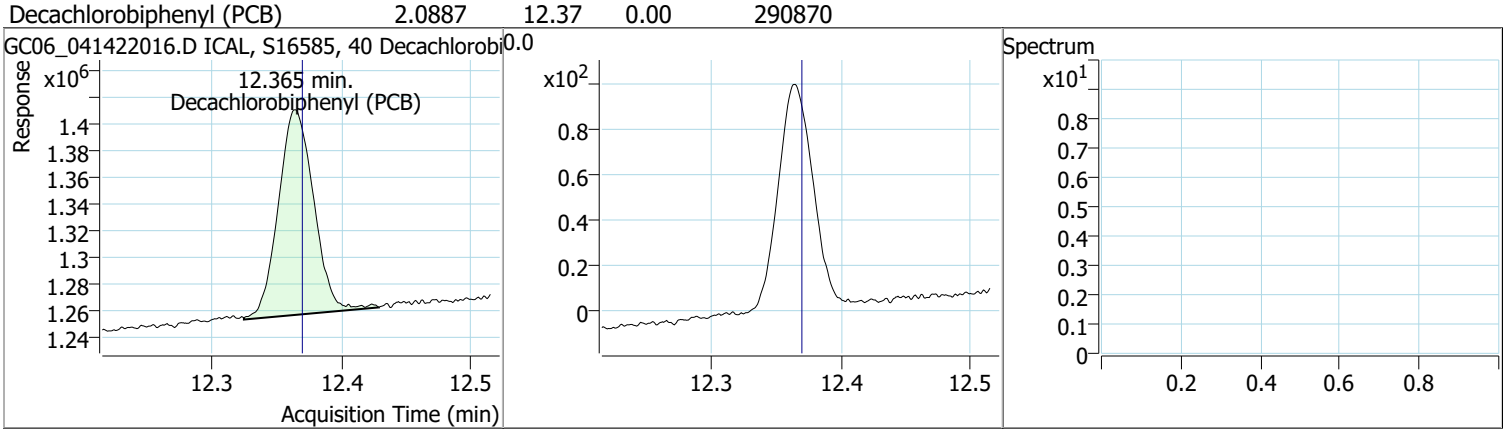
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	51.7999	11.11	0.00	314669			



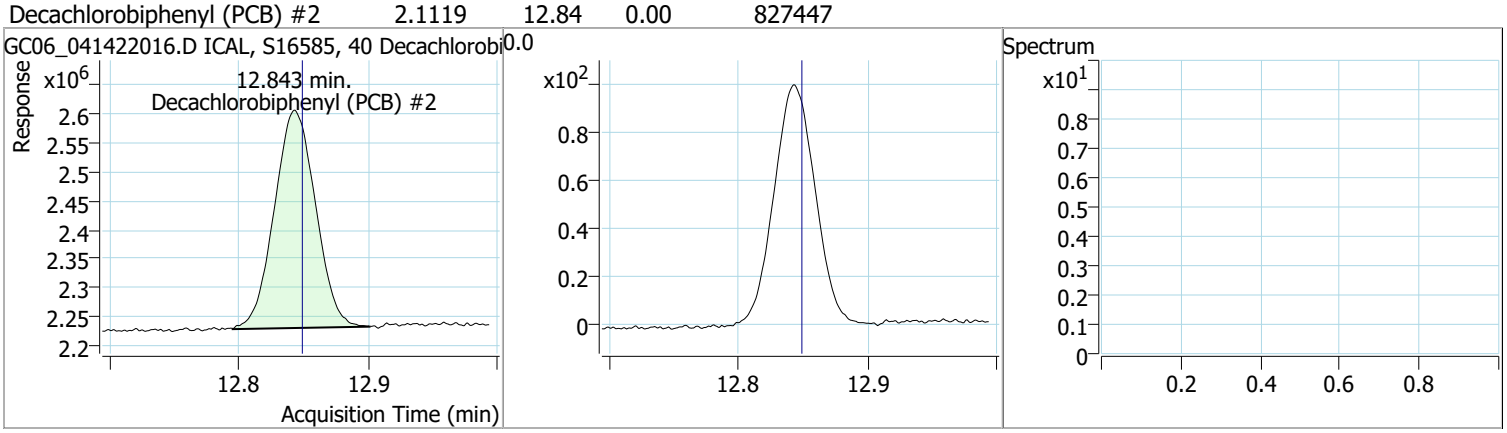
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	54.6566	11.47	0.00	1345193			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	2.0887	12.37	0.00	290870			

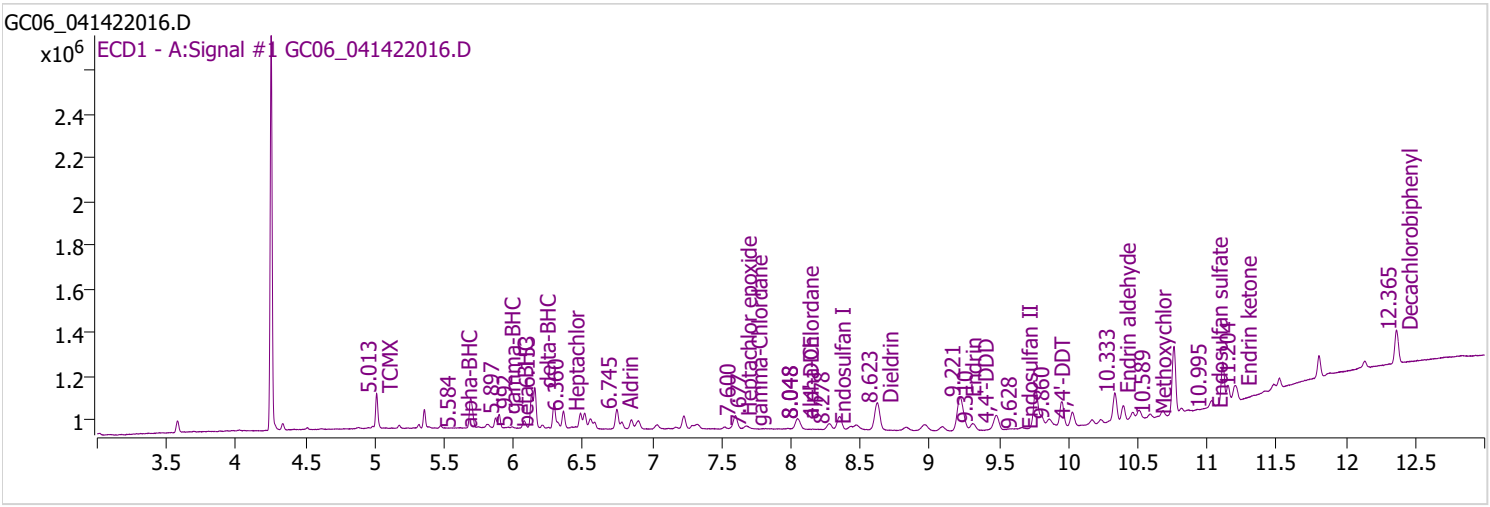


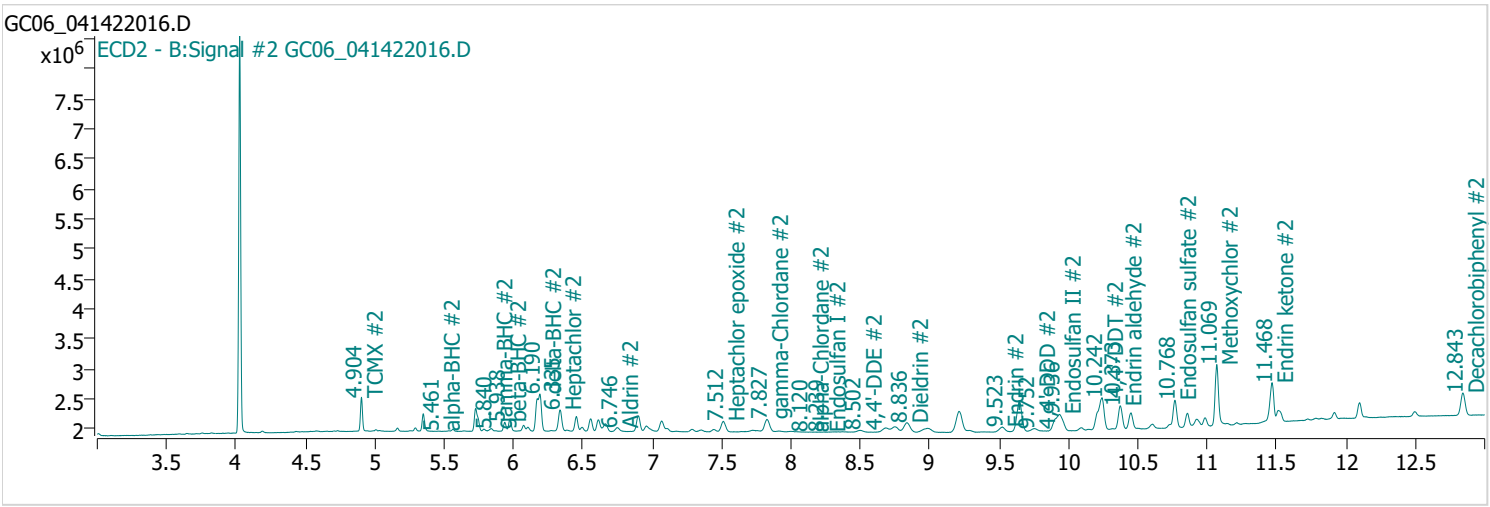
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	2.1119	12.84	0.00	827447			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422016.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 6:58:47 PM
Sample Name	ICAL, S16585, 40	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 112	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 7:13:01 PM



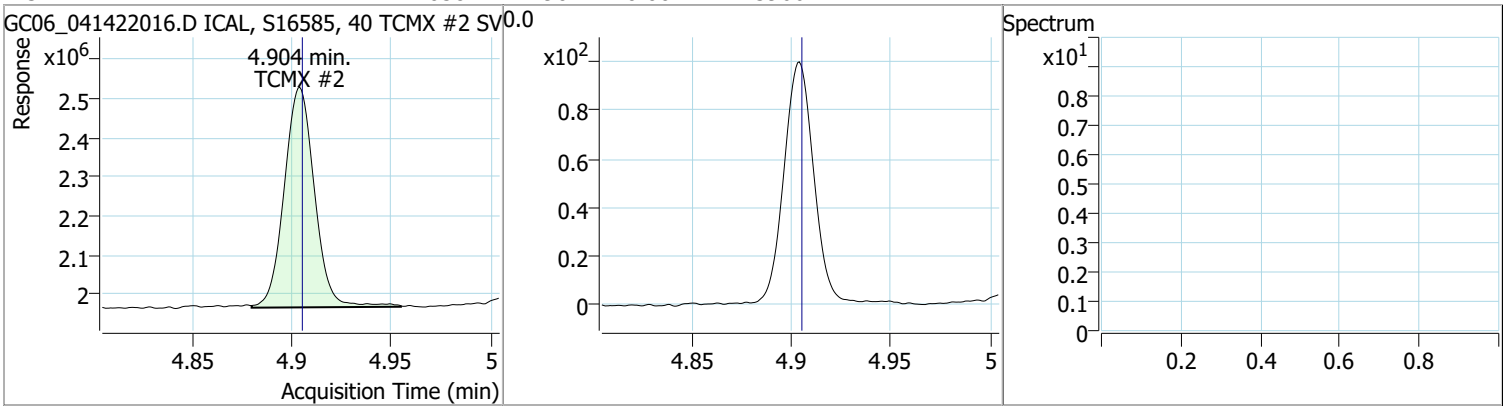


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.253	4.027	1822294	6484704	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.013	4.904	188116	596647	2.204	2.106	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	11.02% *	10.53% *	
S Decachlorobiphenyl	12.365	12.843	283103	834130	2.275	2.285	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	11.37% *	11.43% *	
Target Compounds							
T alpha-BHC	5.584	5.461	708	2319	0.008	0.007	ng/ml
T gamma-BHC	5.897	5.840	73017	55872	0.806	0.175 #	ng/ml
T beta-BHC	5.992	5.938	7952	186145	0.179	1.112 #	ng/ml
T delta-BHC	6.153	6.190	242664	1556060	2.302	3.430 #	ng/ml
T Heptachlor	6.360	6.335	88833	603712	0.950	1.636 #	ng/ml
T Aldrin	6.745	6.746	142118	137298	1.492	0.406 #	ng/ml
T Heptachlor epoxide	7.600	7.512	143946	366575	1.539	1.147 #	ng/ml
T gamma-Chlordane	7.677	7.827	30443	479154	0.366	1.393 #	ng/ml
T alpha-Chlordane	8.048	8.120	75417	591	0.904	0.002 #	ng/ml

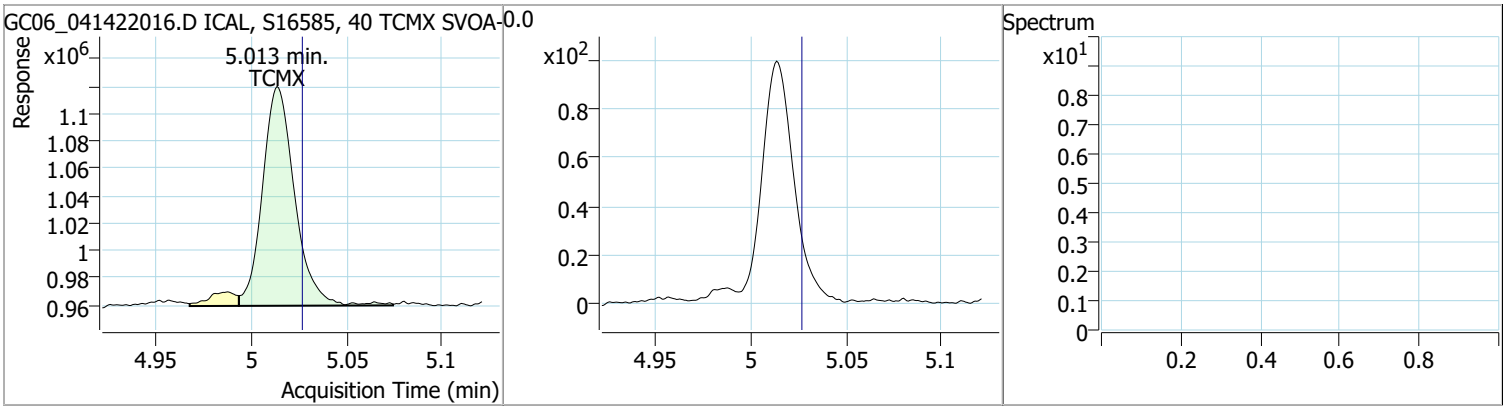
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.278	8.239	52820	1065	0.697	0.004 #	ng/ml
T 4,4'-DDE	8.048	8.502 f	118558	65903	1.470	0.255 #	ng/ml
T Dieldrin	8.623	8.836	332902	394595	3.501	1.342 #	ng/ml
T Endrin	9.221	9.523	462827	232946	4.953	0.883 #	ng/ml
T 4,4'-DDD	9.310	9.752	55130	116696	0.920	0.504 #	ng/ml
T Endosulfan II	9.628	9.936 f	2270	1133452	0.028	3.606 #	ng/ml
T 4,4'-DDT	9.860	10.242	67862	1655756	0.920	4.976 #	ng/ml
T Endrin aldehyde	10.333	10.373	232828	757302	3.588	3.290	ng/ml
T Endosulfan sulfate	10.995	10.768	30661	930538	0.434	3.519 #	ng/ml
T Methoxychlor	10.589	11.069 f	26977	1780926	0.611	11.189 #	ng/ml
T Endrin ketone	11.204	11.468 f	117079	1363092	1.278	3.969 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

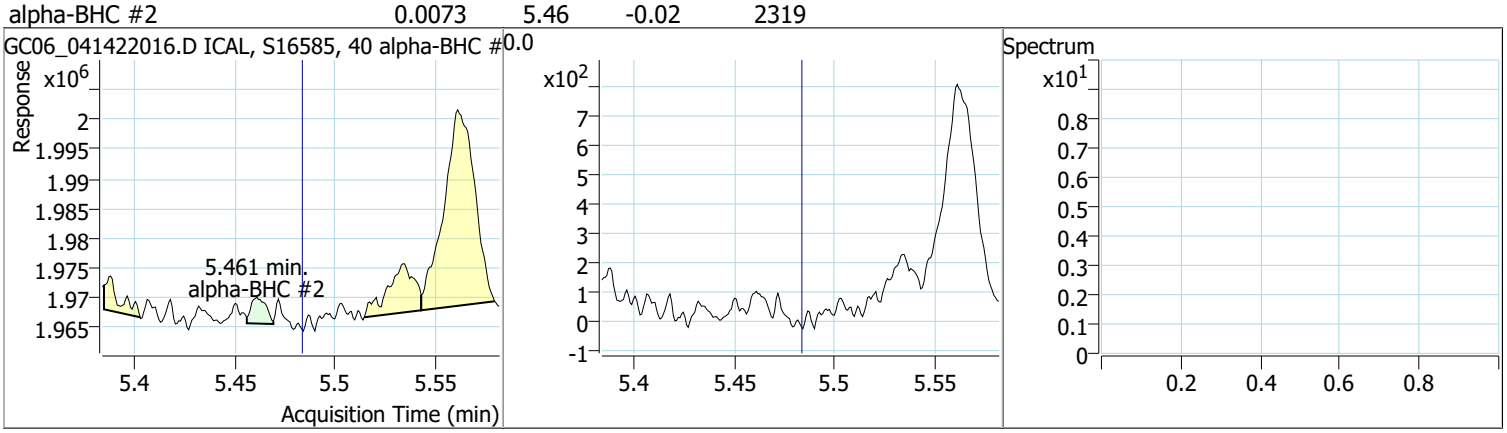
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	2.1058	4.90	0.00	596647			



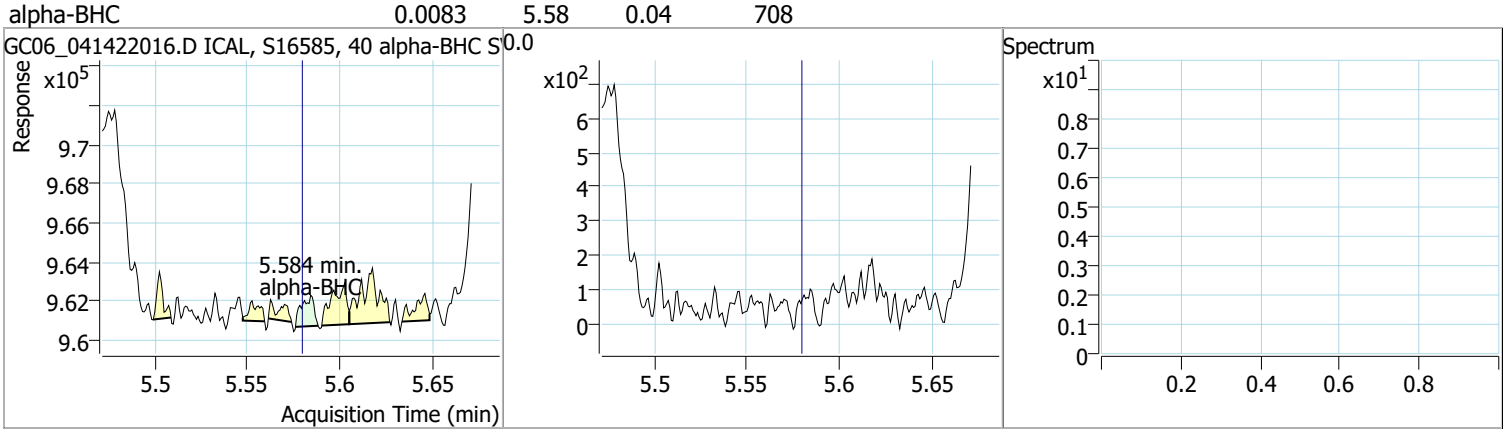
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	2.2038	5.01	0.02	188116			



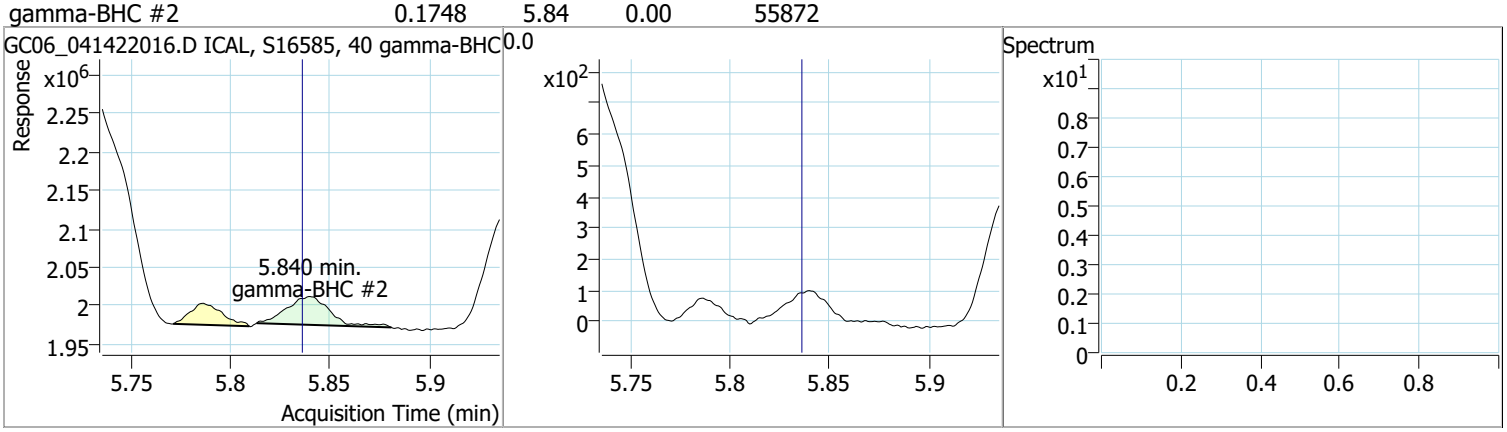
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	0.0073	5.46	-0.02	2319			



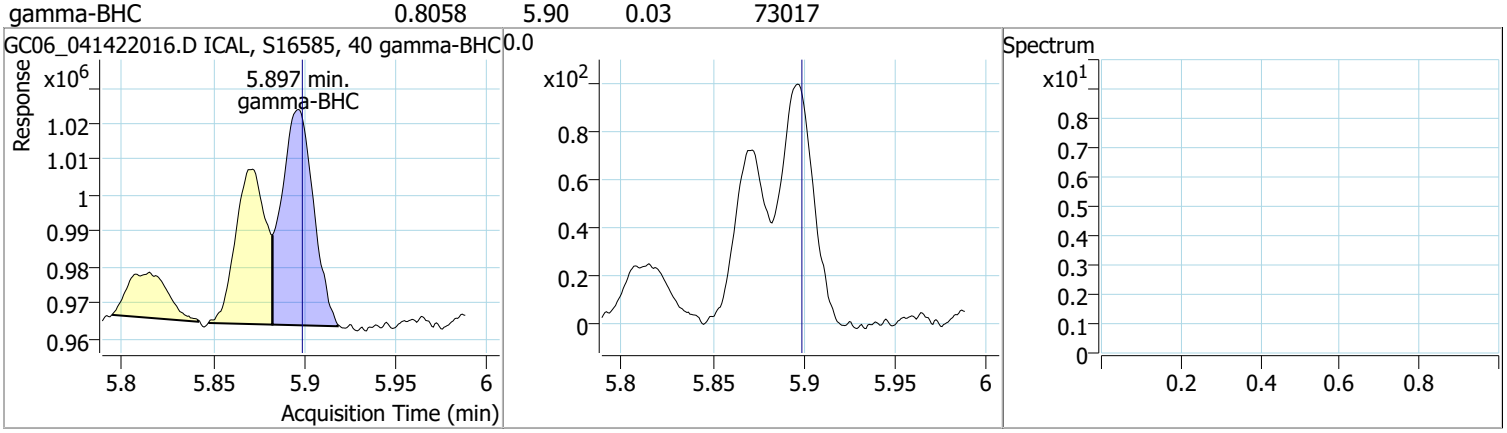
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC	0.0083	5.58	0.04	708			



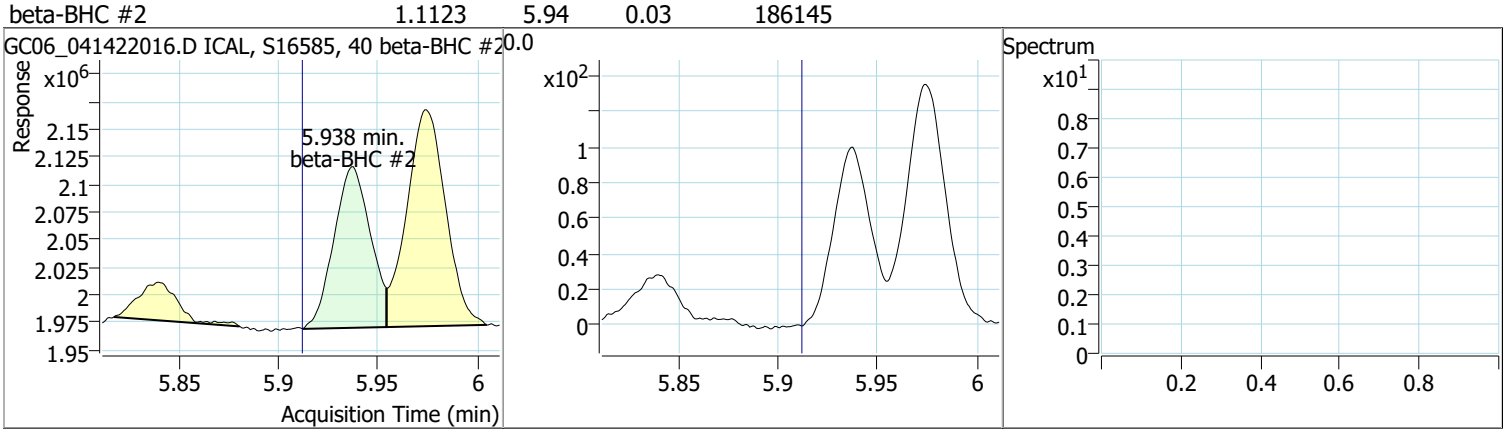
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	0.1748	5.84	0.00	55872			



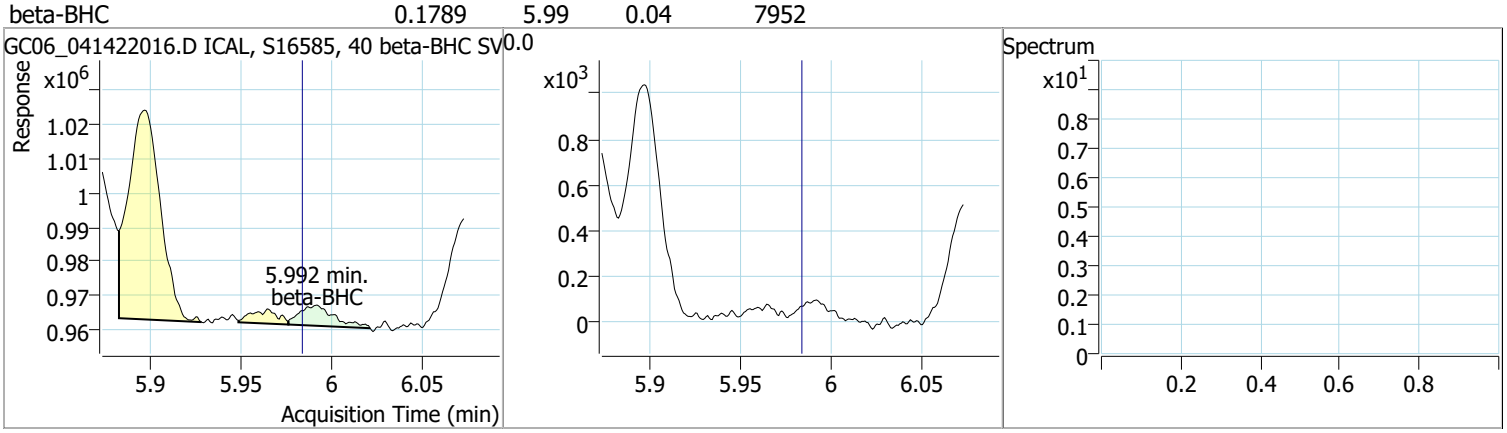
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	0.8058	5.90	0.03	73017			



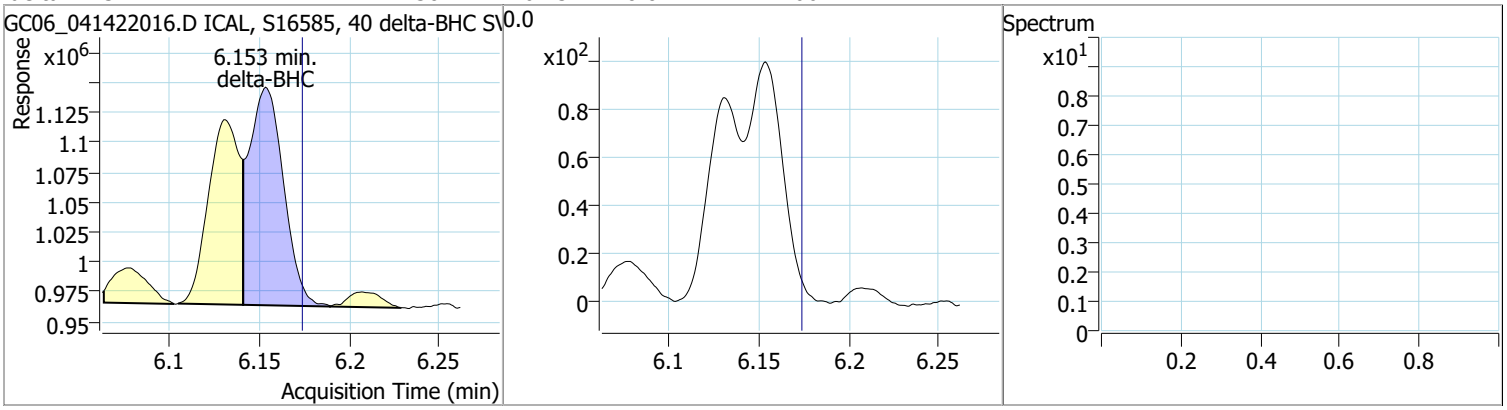
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	1.1123	5.94	0.03	186145			



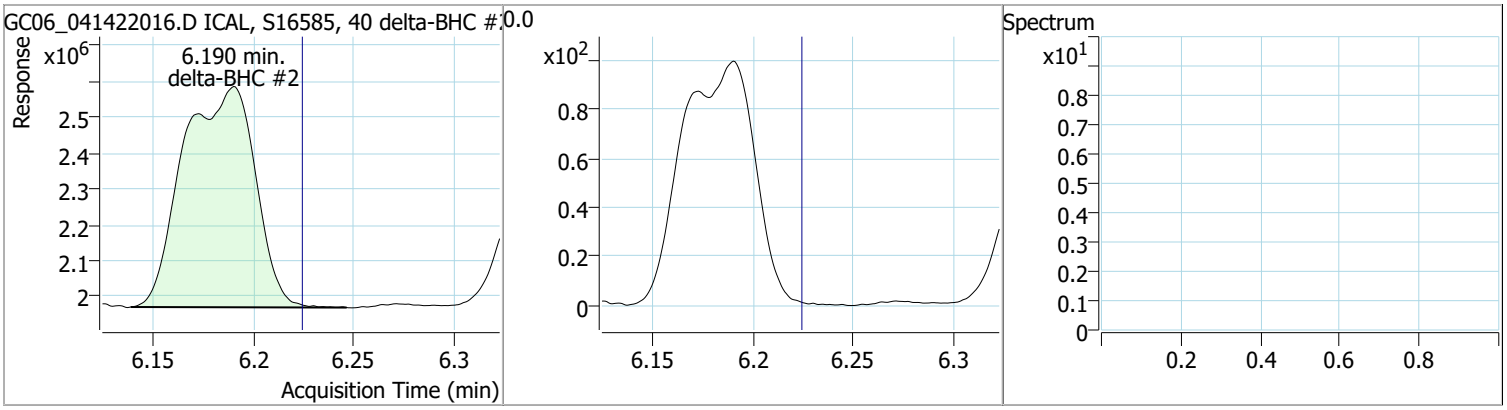
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	0.1789	5.99	0.04	7952			



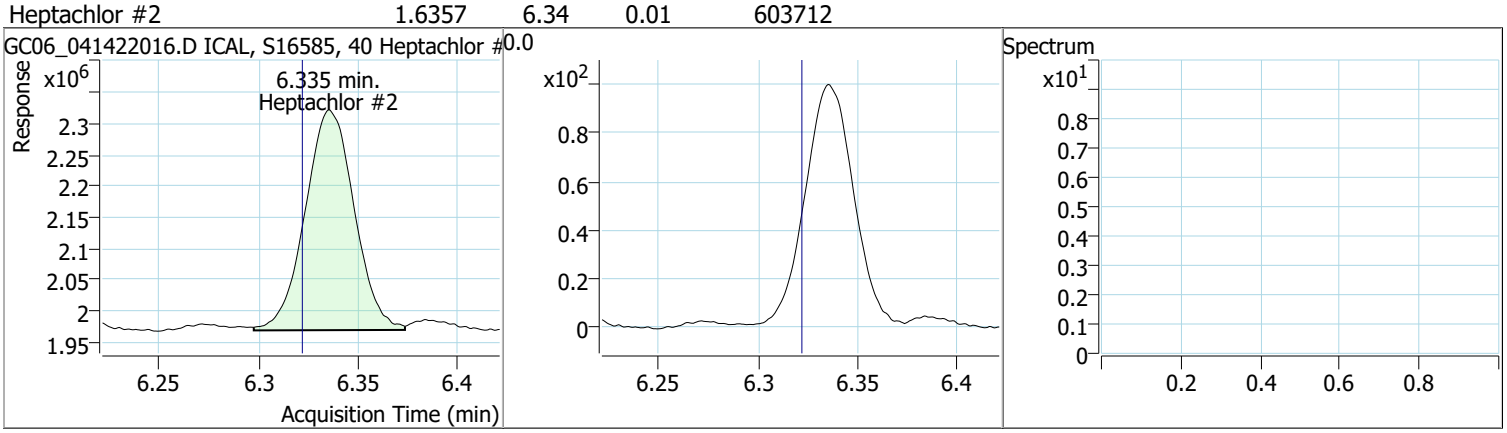
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	2.3017	6.15	0.01	242664			



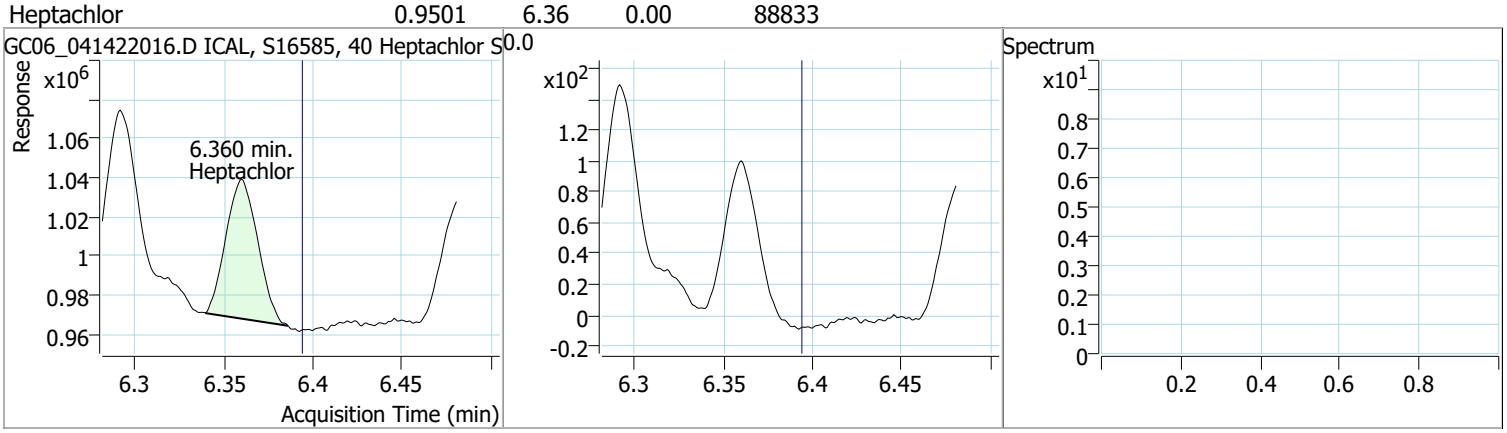
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	3.4300	6.19	-0.03	1556060			



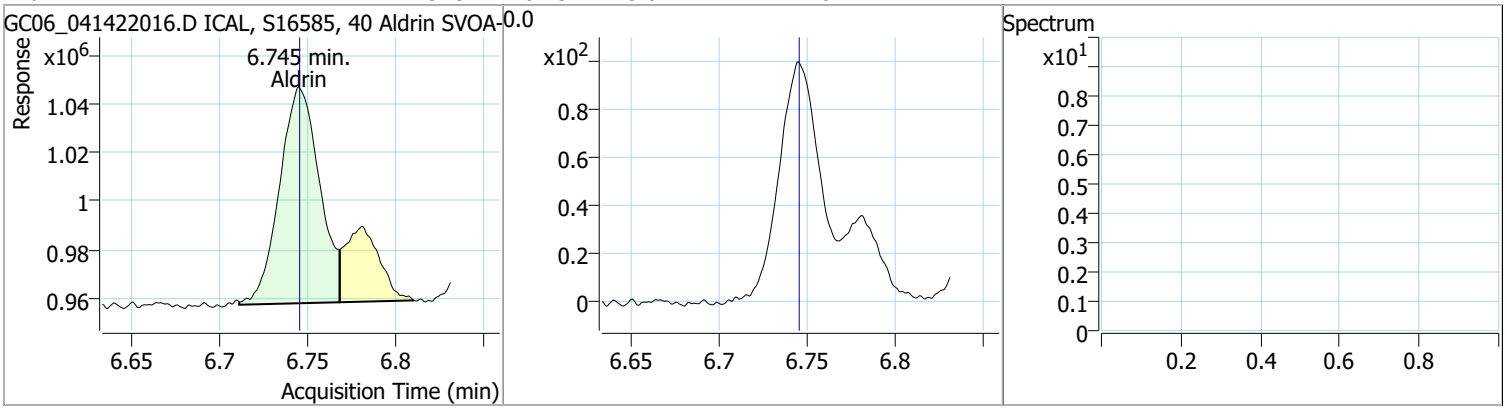
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	1.6357	6.34	0.01	603712			



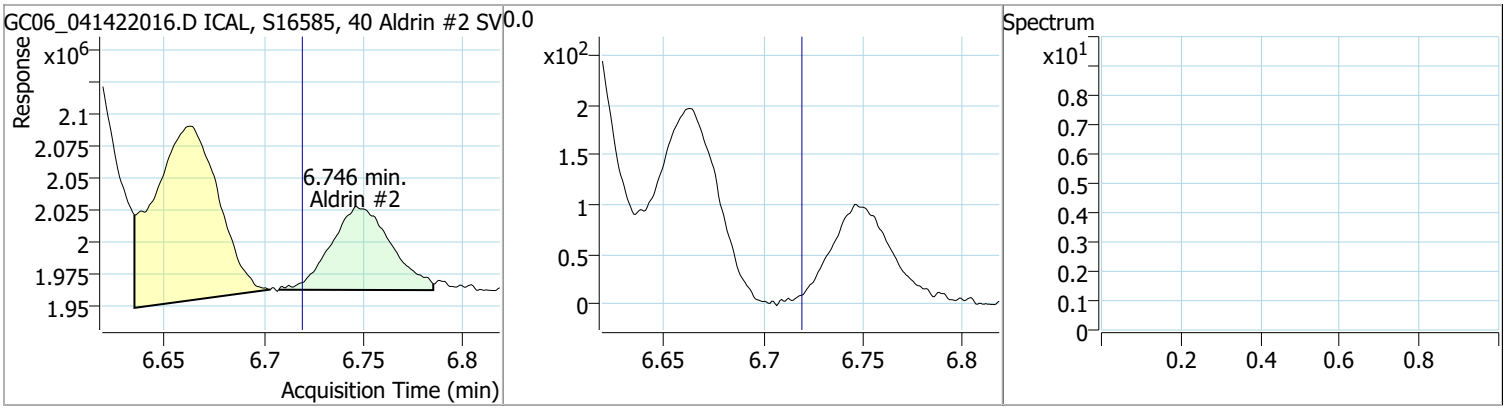
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	0.9501	6.36	0.00	88833			



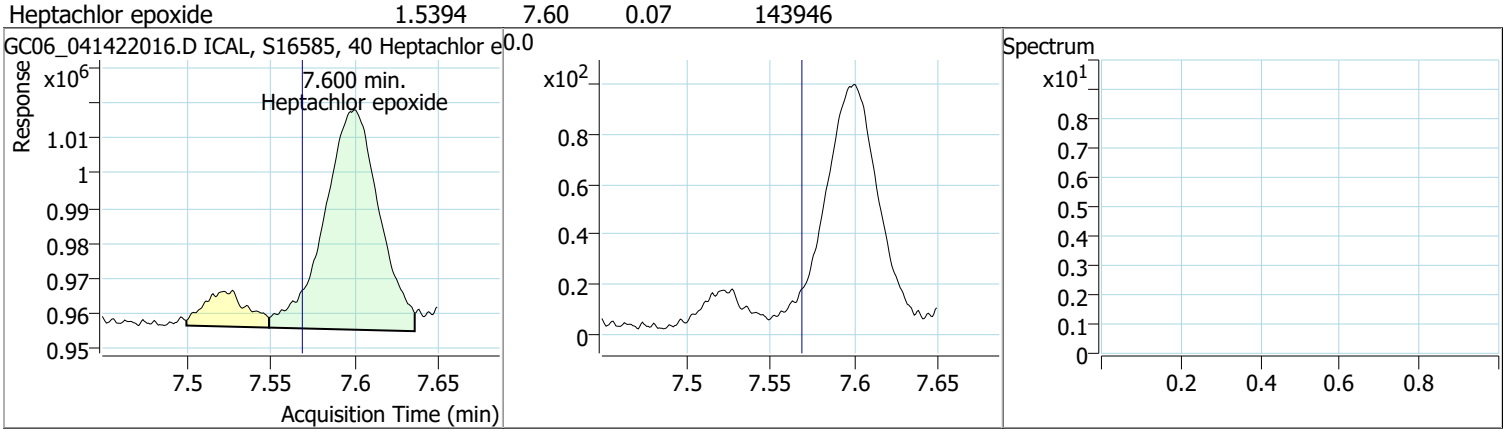
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	1.4925	6.75	0.04	142118			



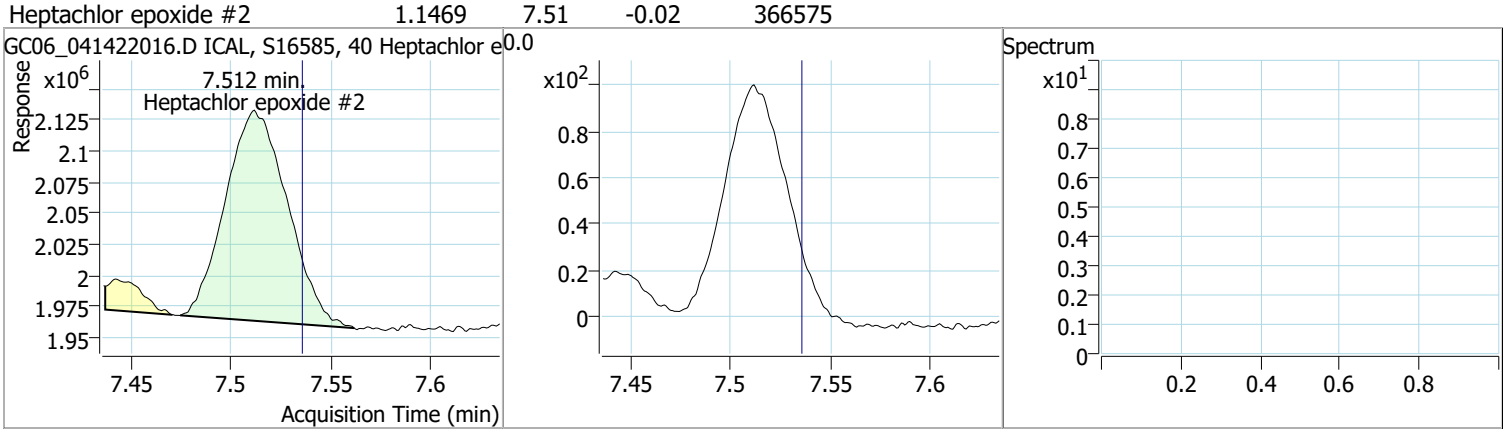
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	0.4062	6.75	0.03	137298			



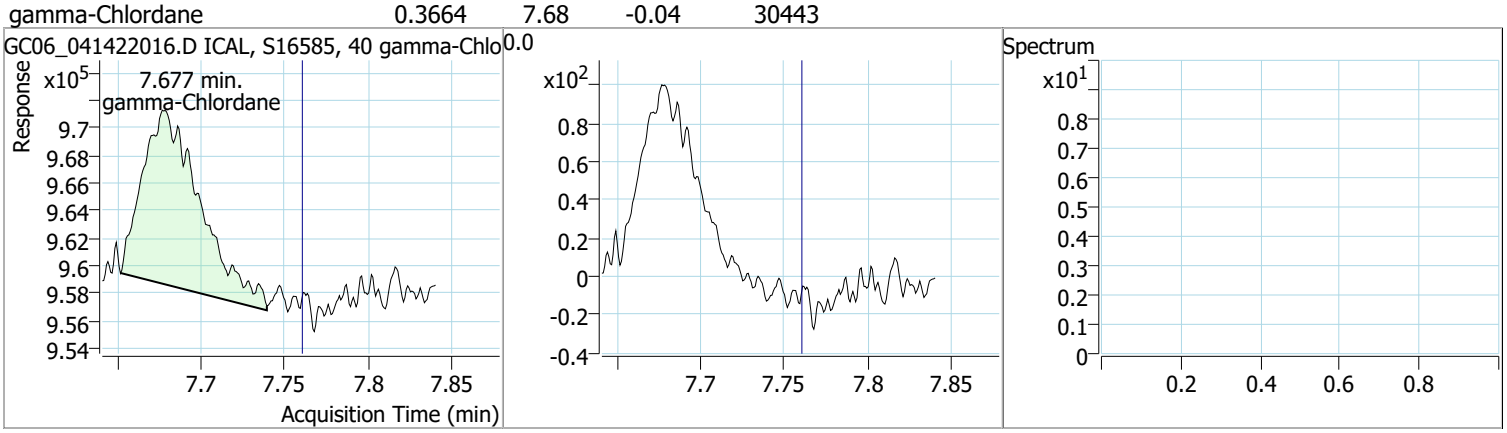
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	1.5394	7.60	0.07	143946			



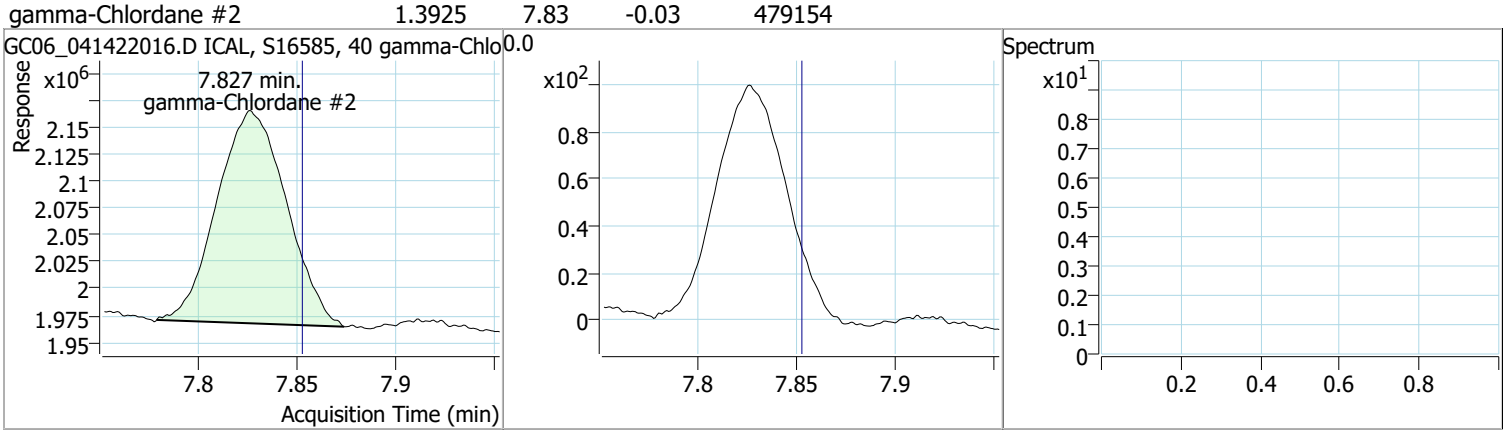
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	1.1469	7.51	-0.02	366575			



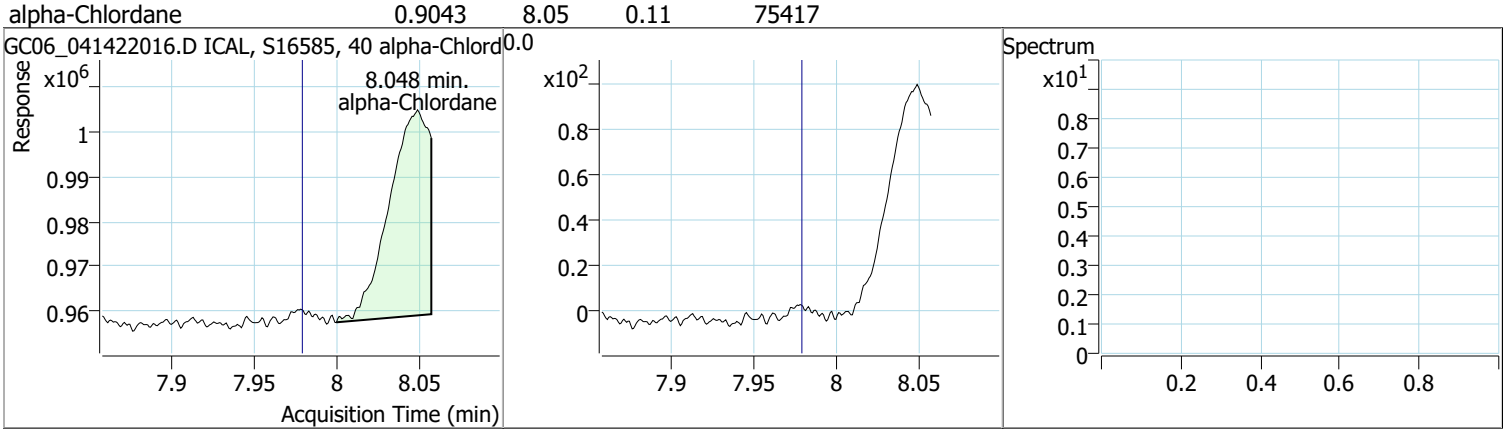
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.3664	7.68	-0.04	30443			



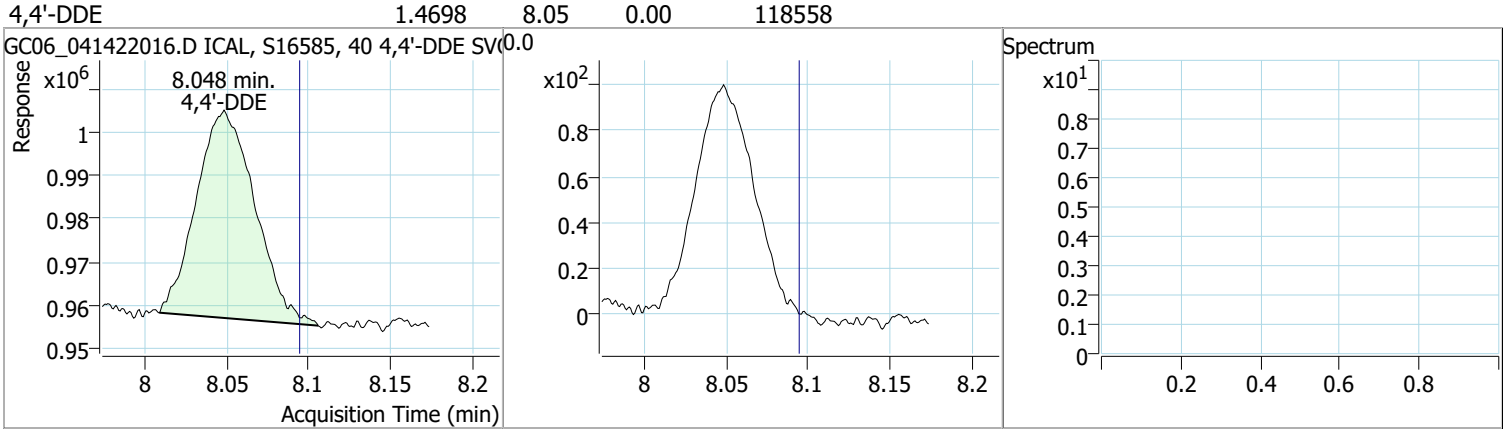
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	1.3925	7.83	-0.03	479154			



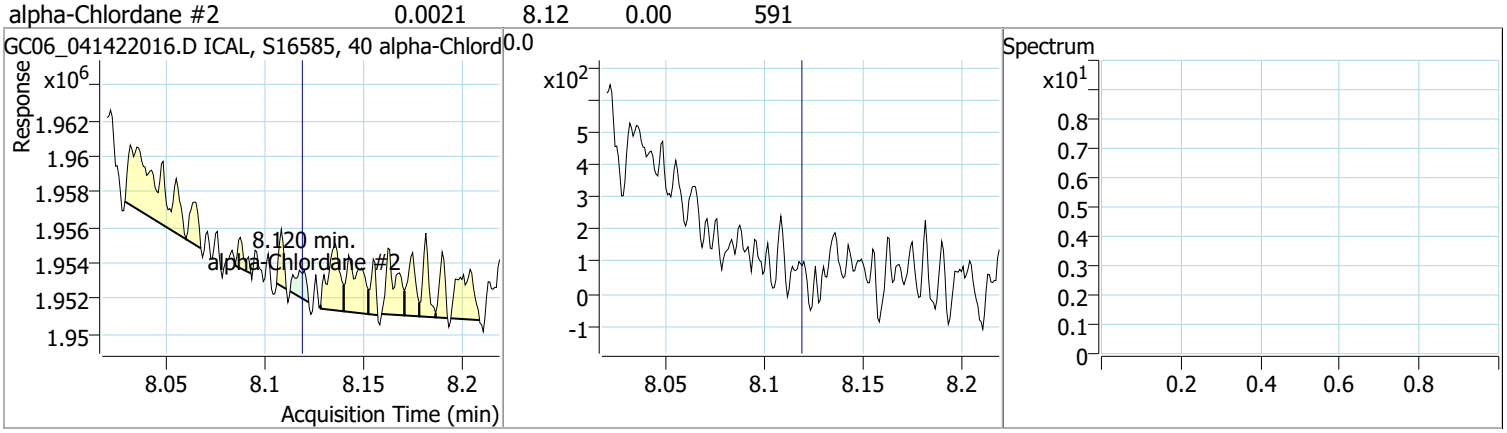
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	0.9043	8.05	0.11	75417			



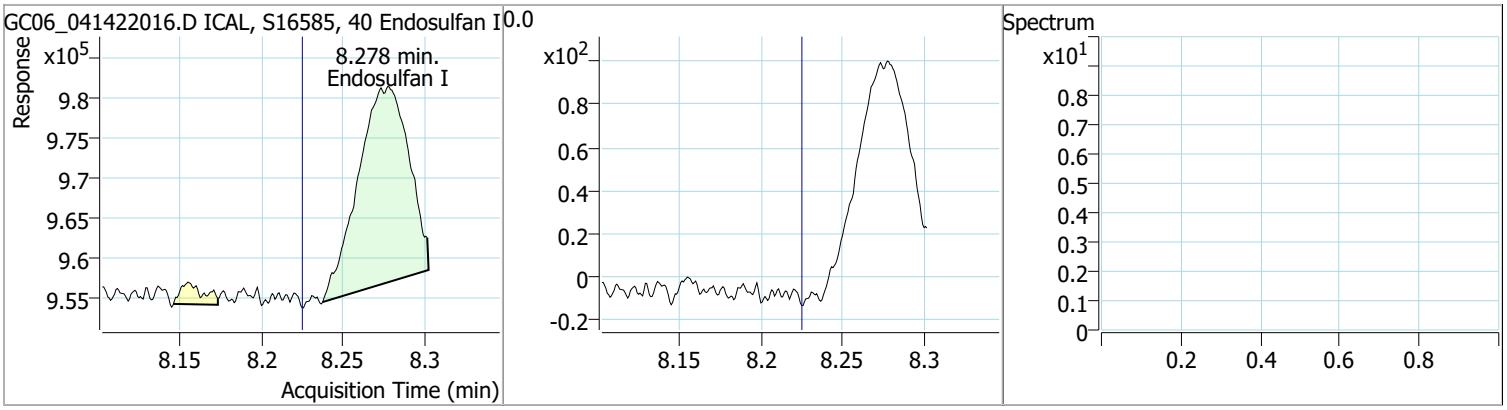
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	1.4698	8.05	0.00	118558			



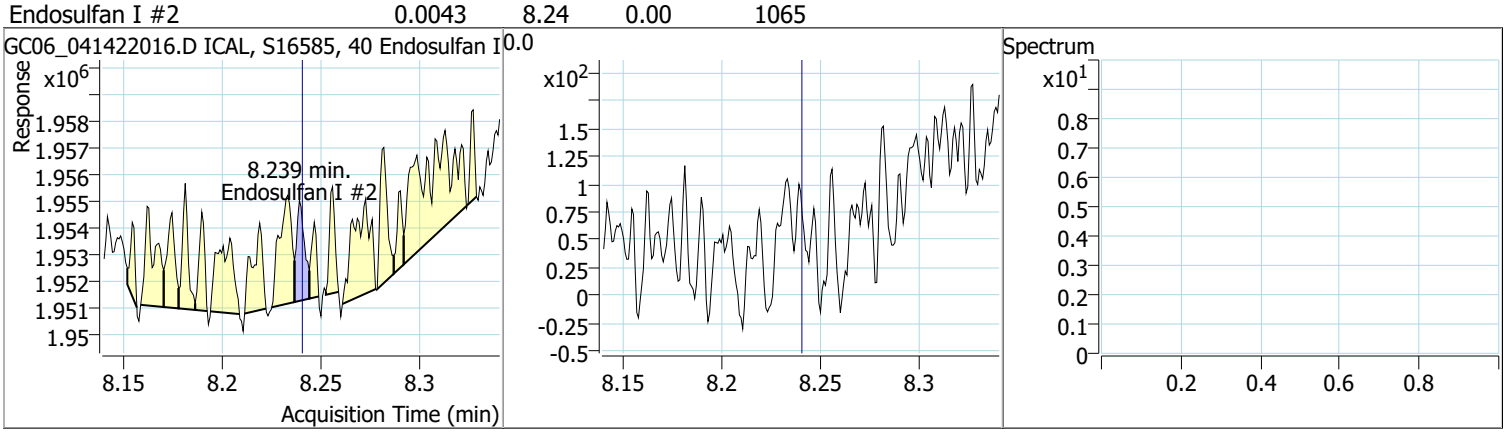
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0021	8.12	0.00	591			



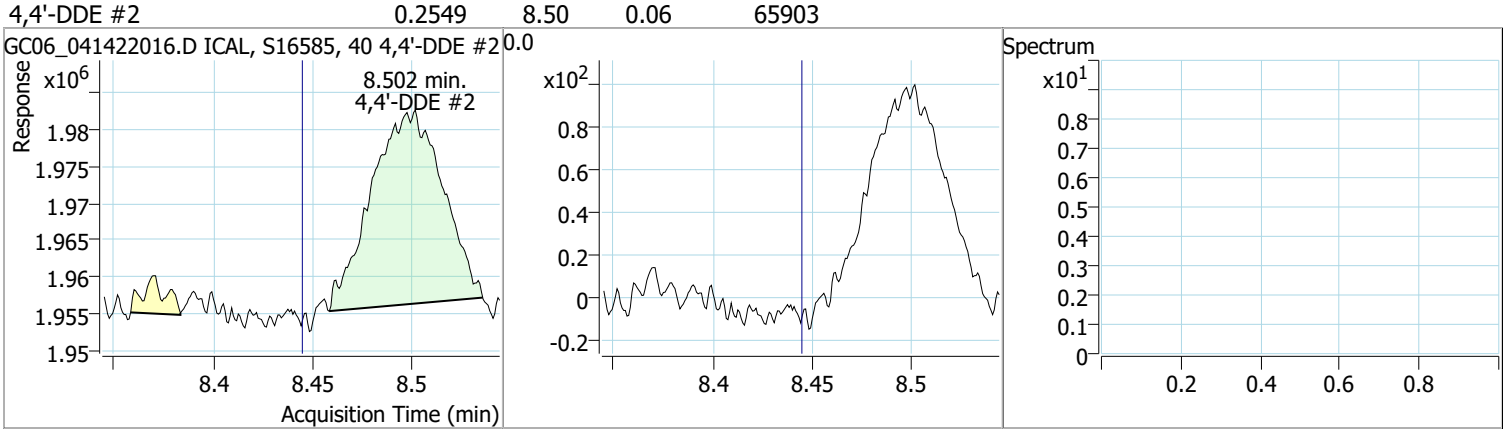
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	0.6969	8.28	0.10	52820			



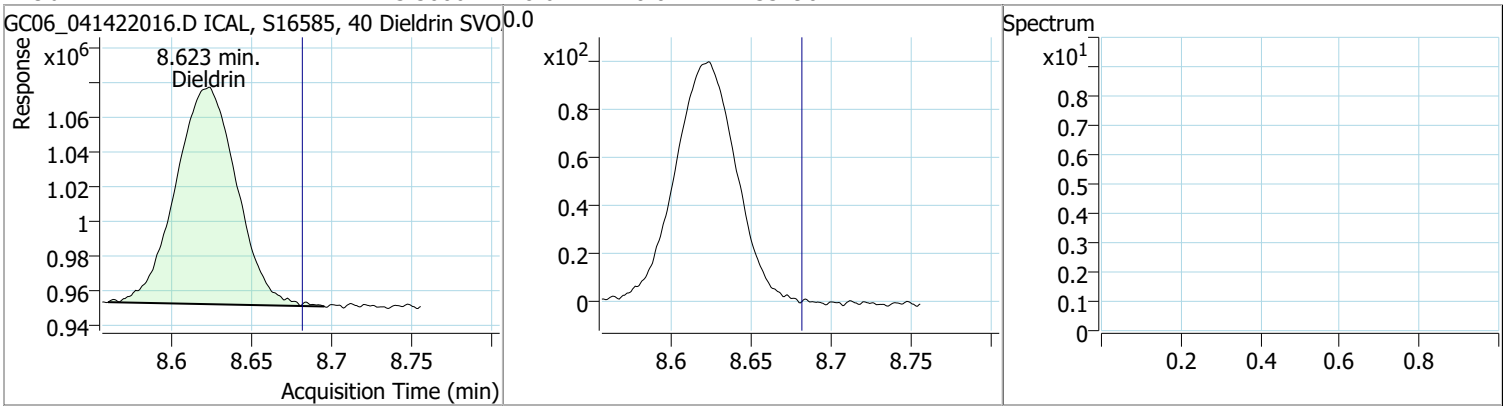
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.0043	8.24	0.00	1065			



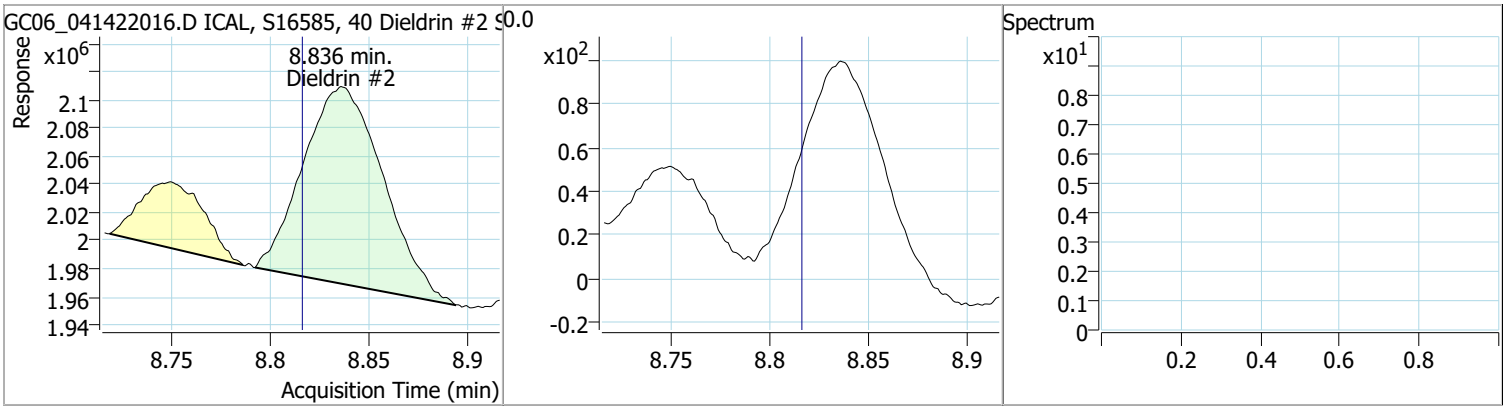
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	0.2549	8.50	0.06	65903			



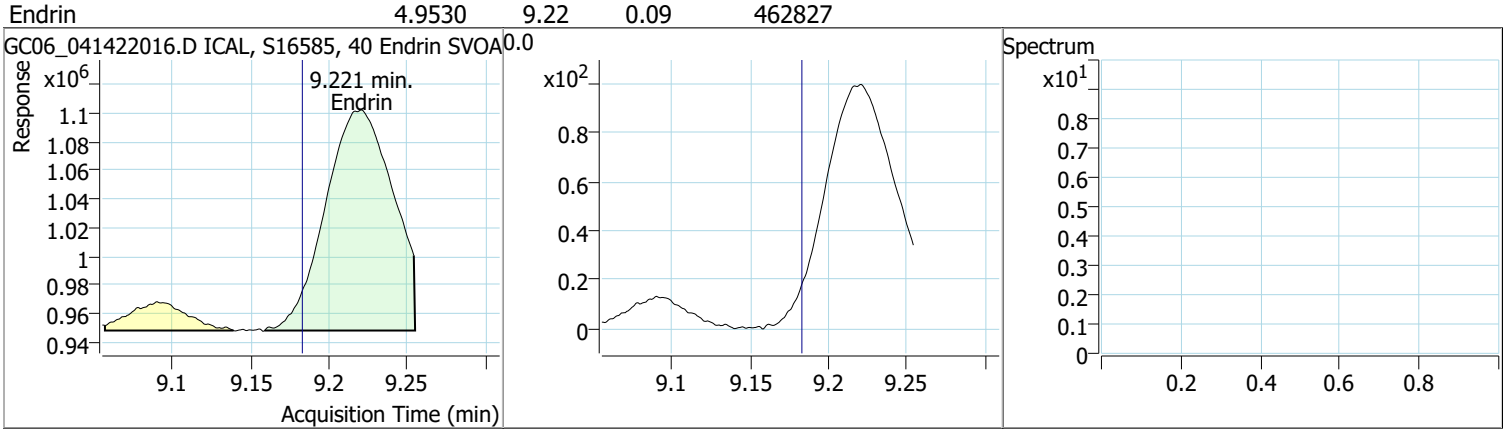
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	3.5006	8.62	-0.01	332902			



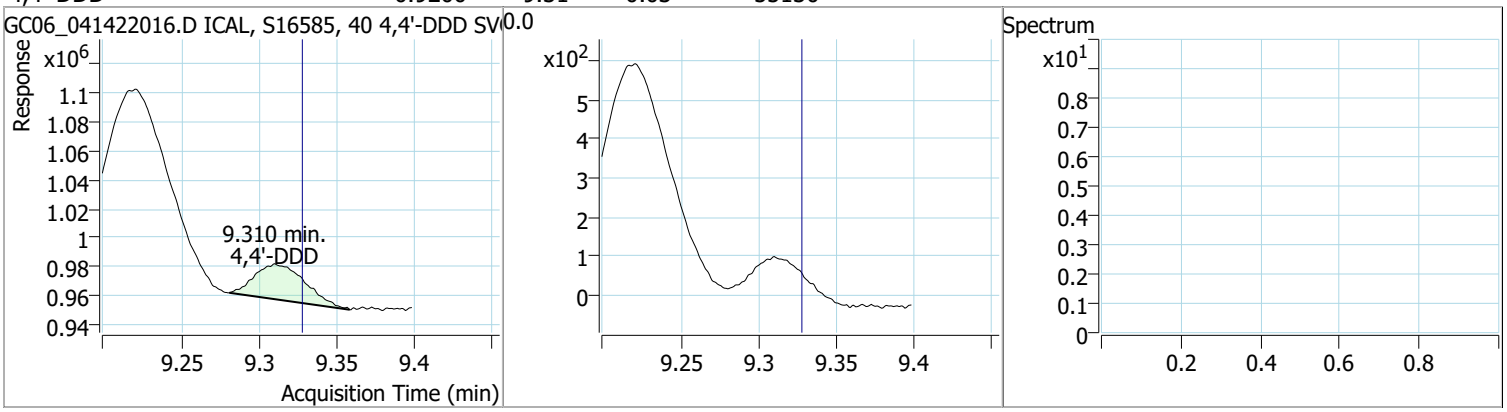
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	1.3419	8.84	0.02	394595			



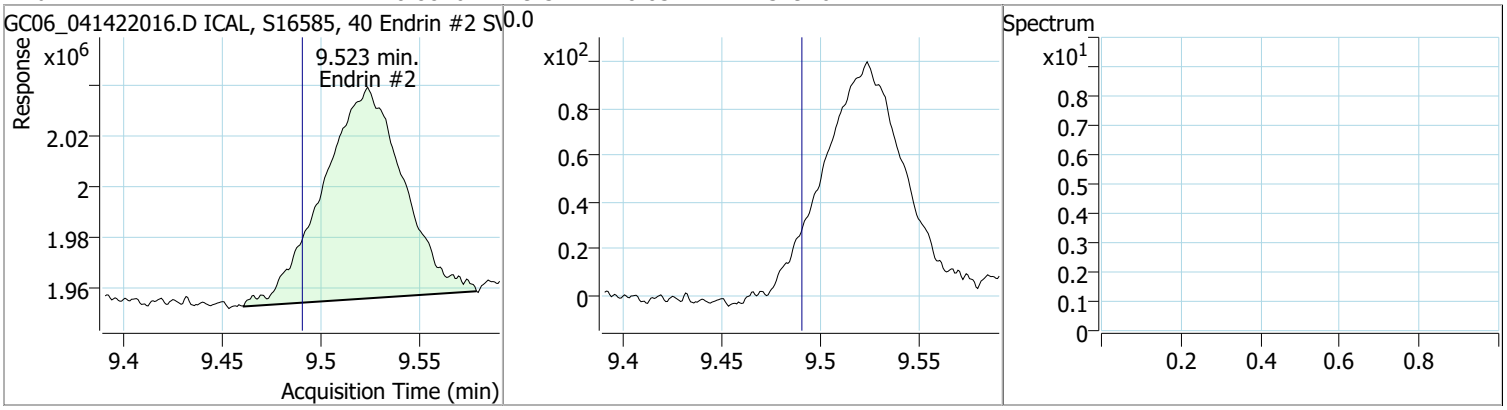
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	4.9530	9.22	0.09	462827			



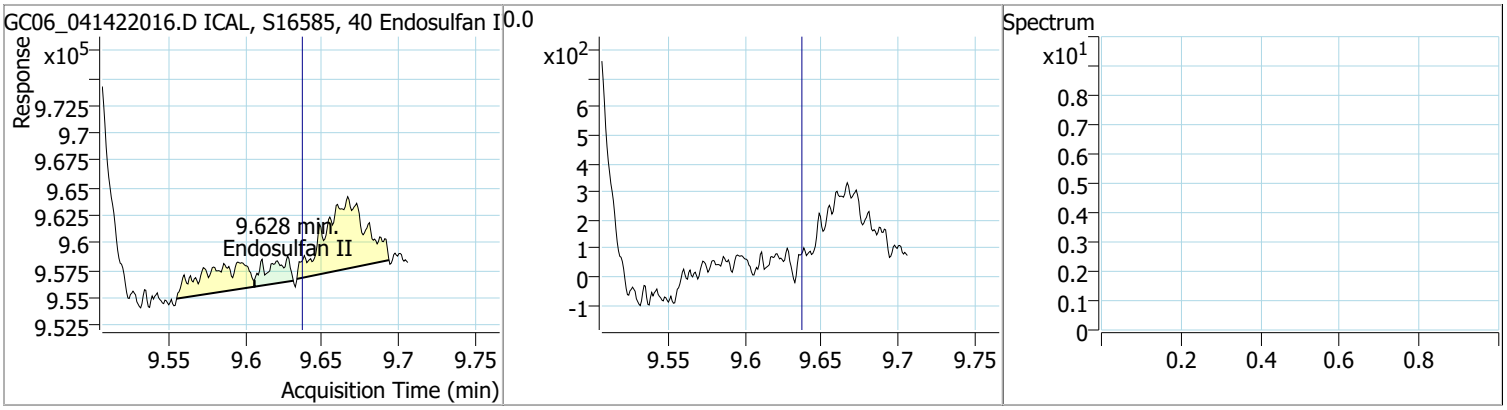
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	0.9200	9.31	0.03	55130			



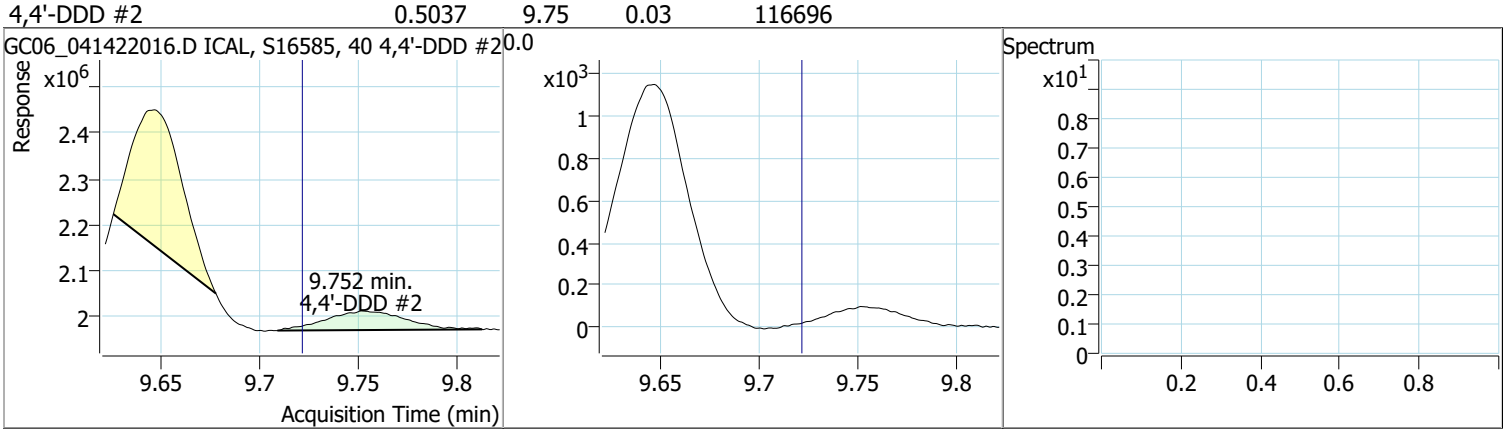
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endrin #2	0.8826	9.52	0.03	232946		



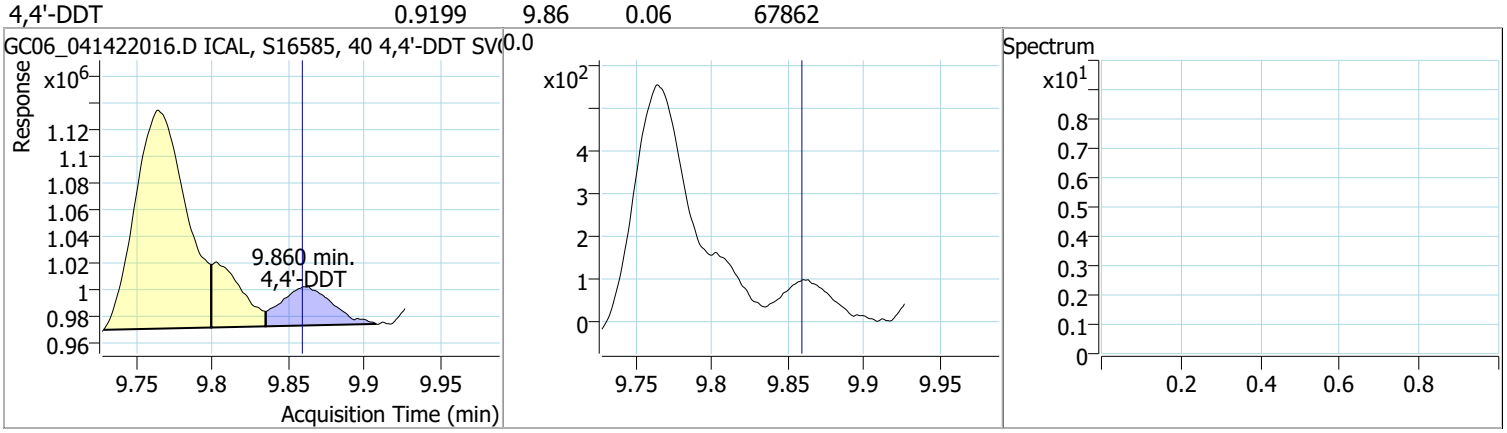
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	0.0277	9.63	0.04	2270		



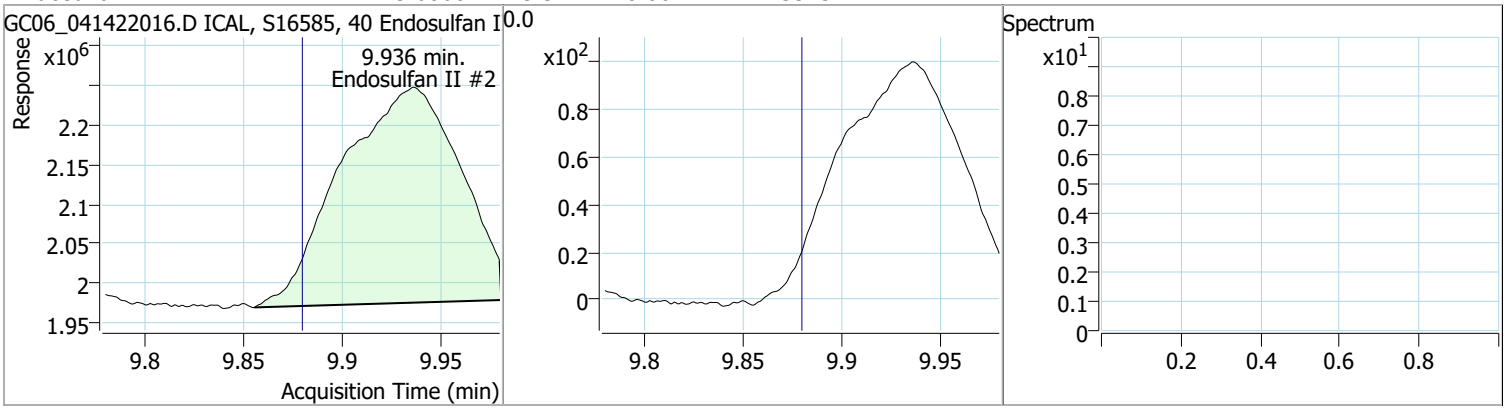
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	0.5037	9.75	0.03	116696		



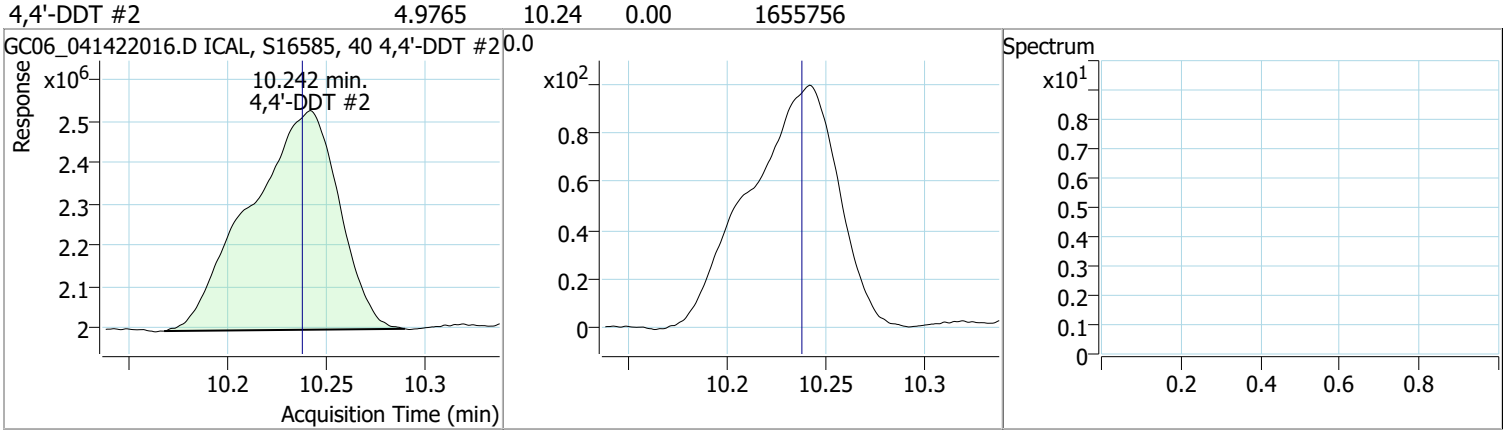
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	0.9199	9.86	0.06	67862		



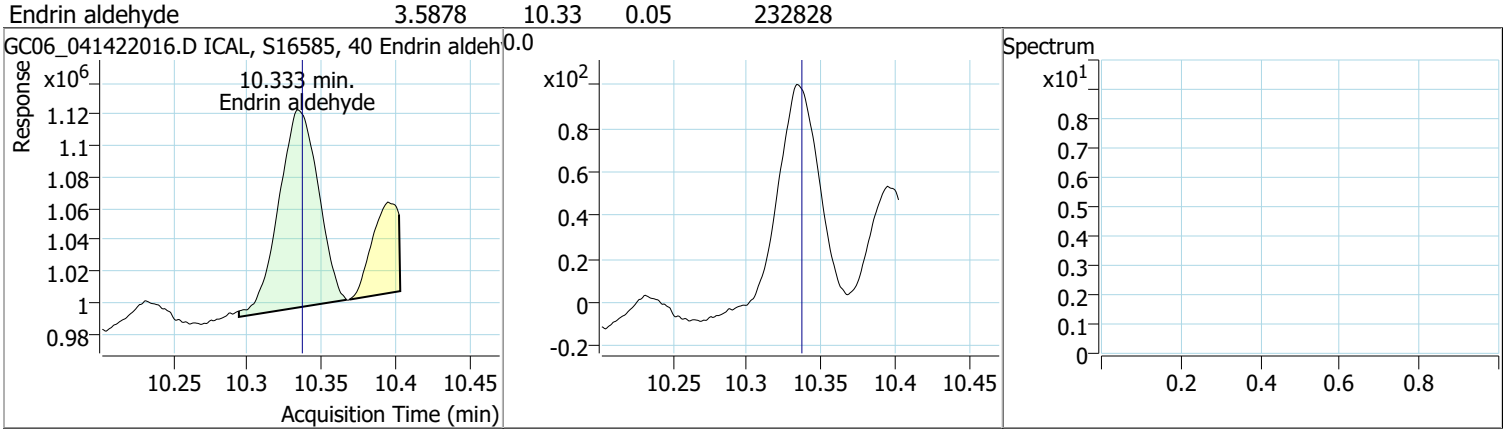
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	3.6060	9.94	0.06	1133452			



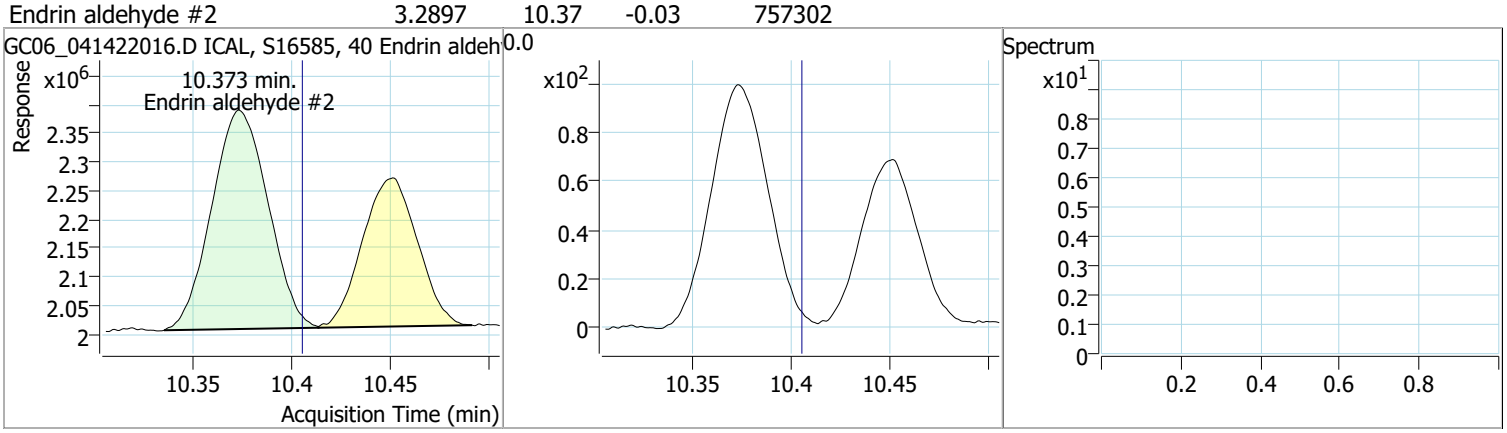
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	4.9765	10.24	0.00	1655756			



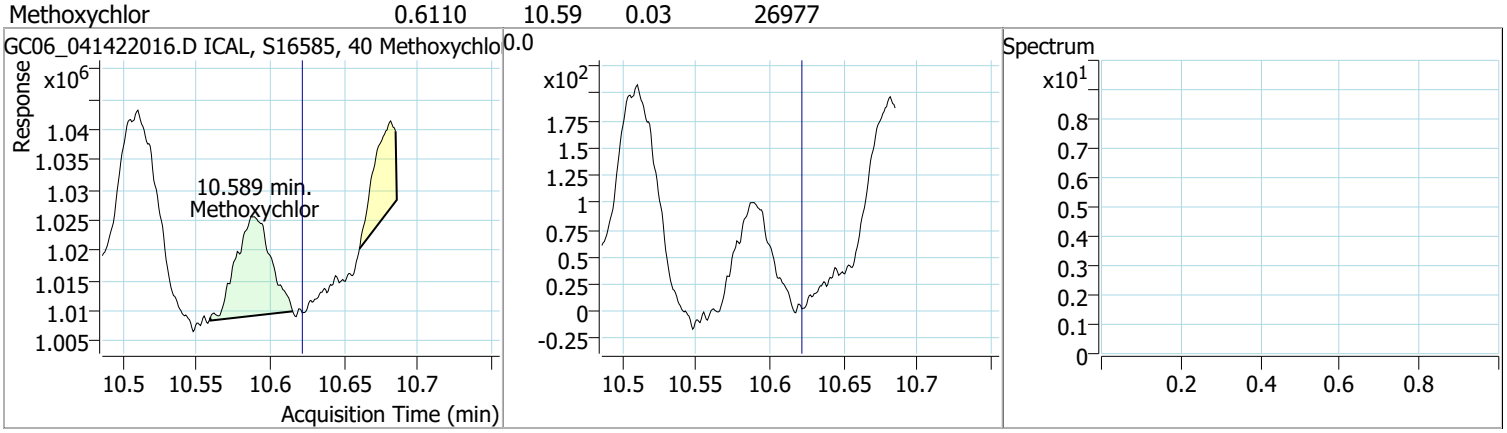
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	3.5878	10.33	0.05	232828			



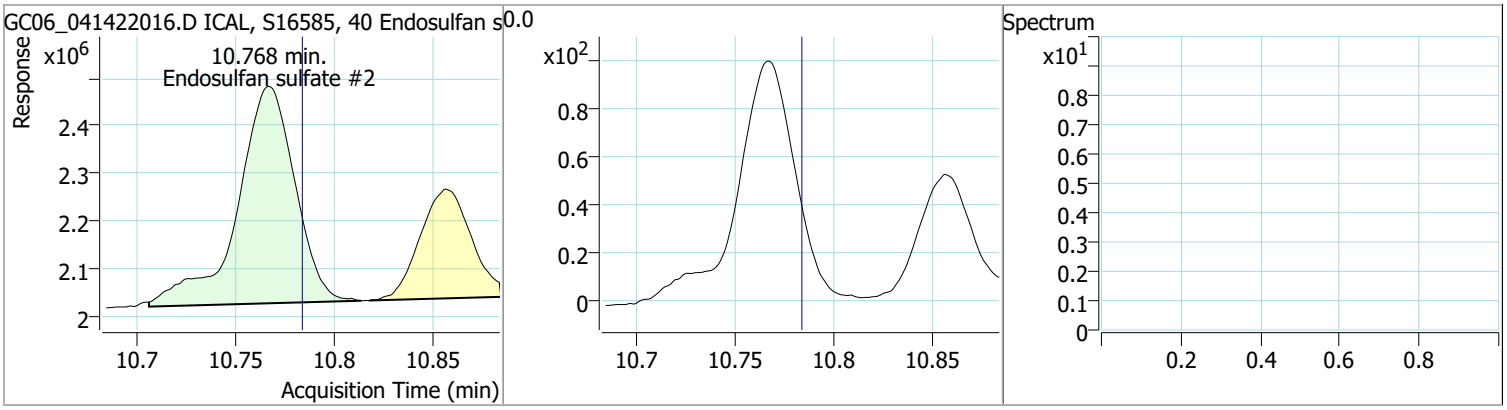
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	3.2897	10.37	-0.03	757302			



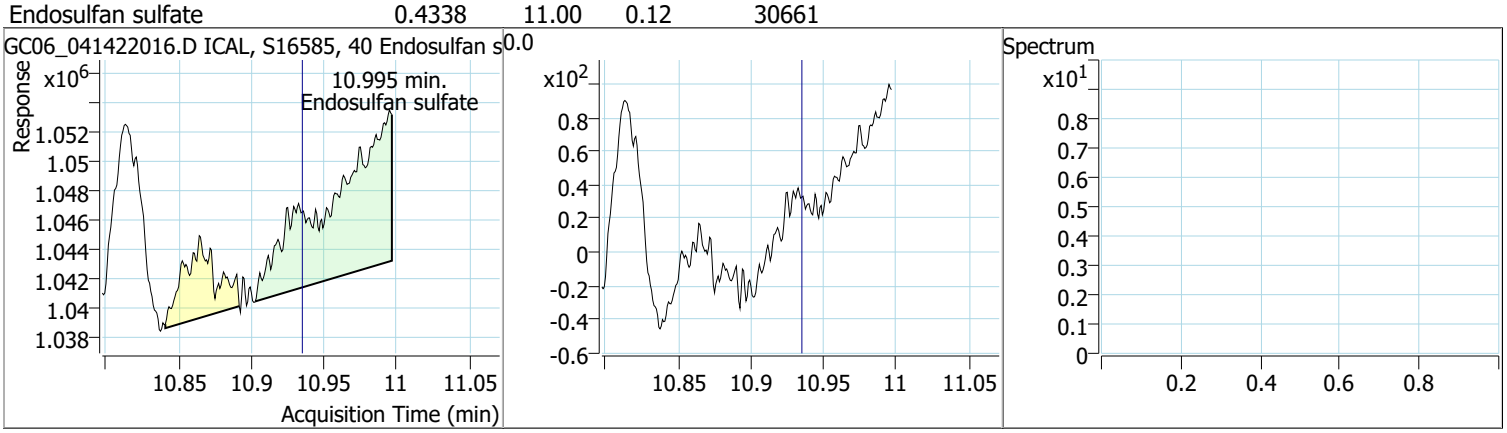
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	0.6110	10.59	0.03	26977			



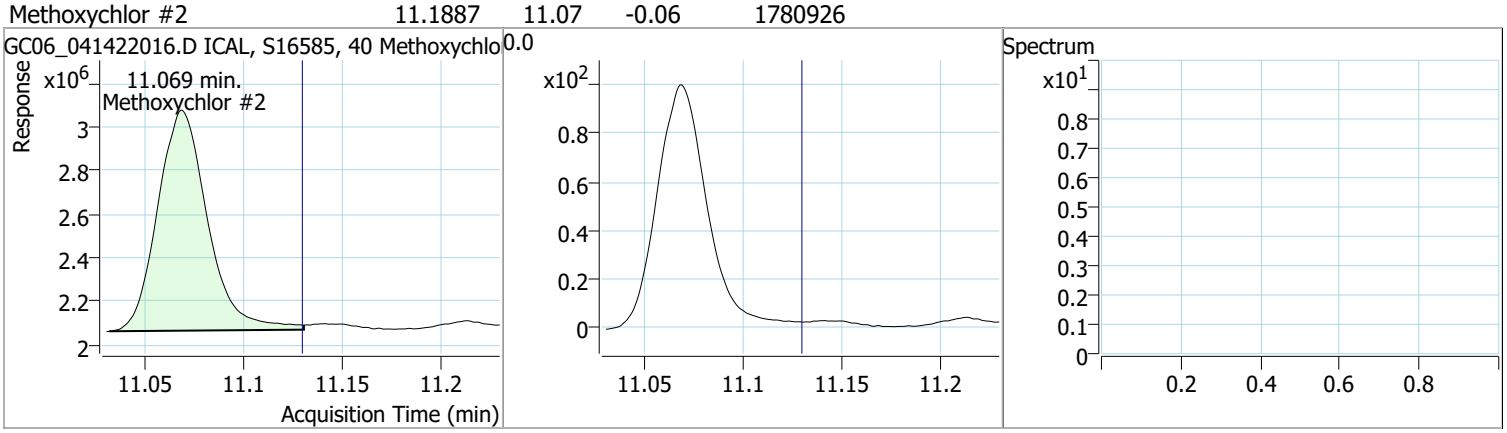
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	3.5192	10.77	-0.02	930538			



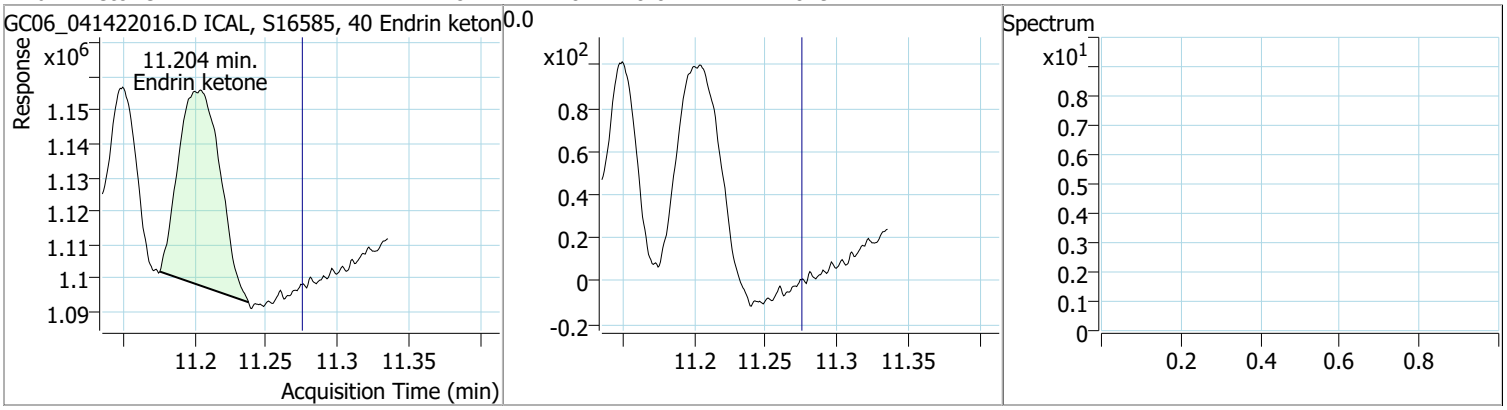
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	0.4338	11.00	0.12	30661			



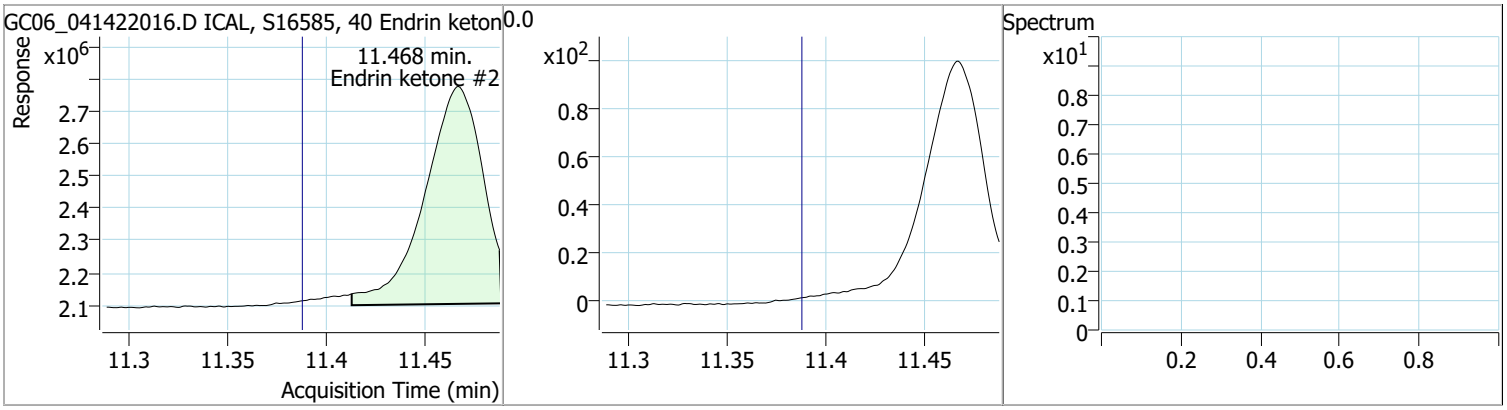
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	11.1887	11.07	-0.06	1780926			



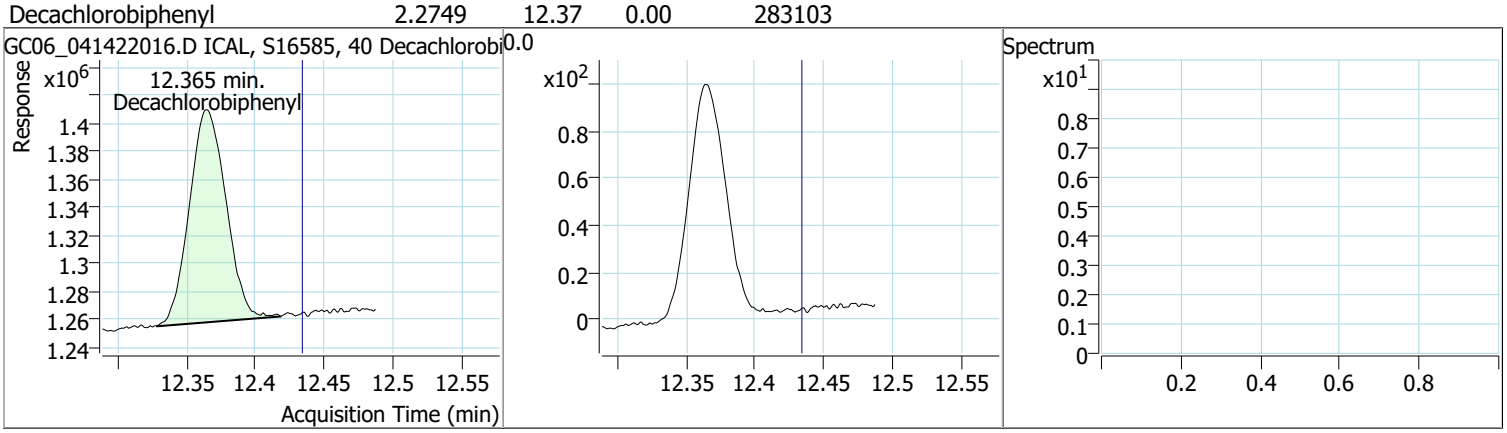
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	1.2778	11.20	-0.01	117079			



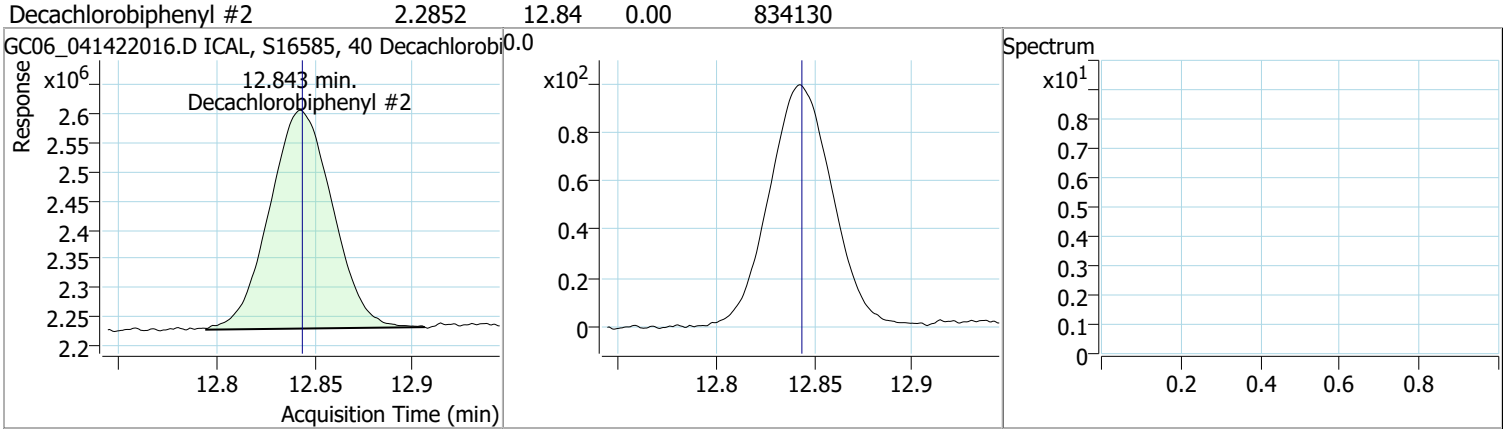
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	3.9694	11.47	0.08	1363092			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	2.2749	12.37	0.00	283103			

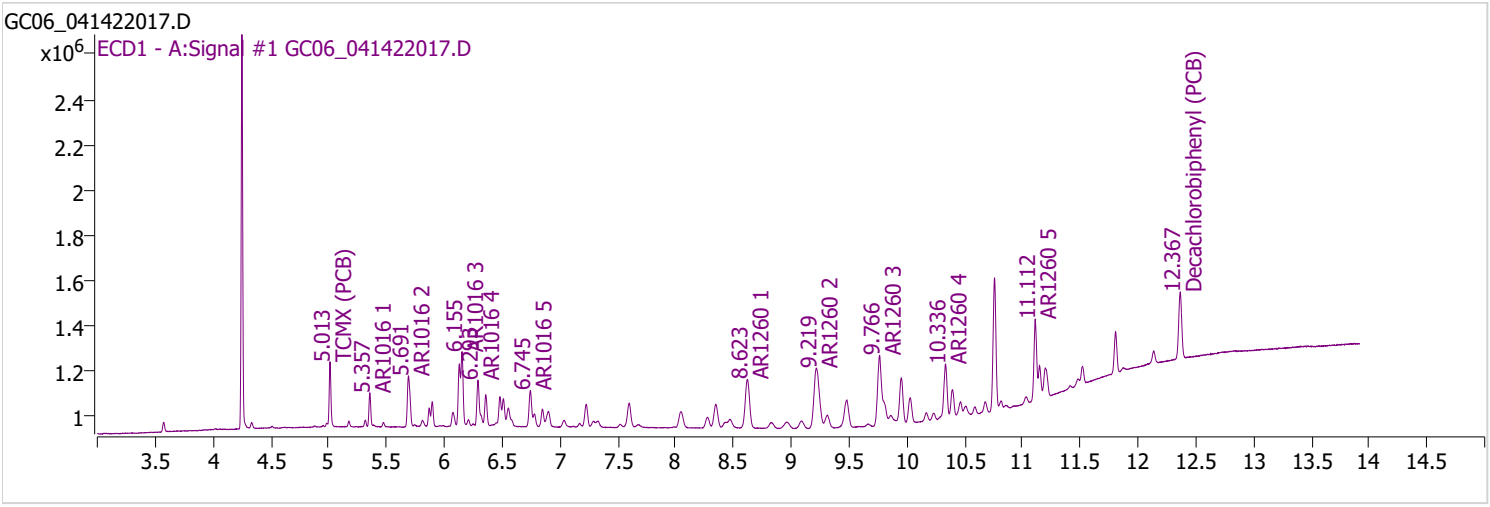


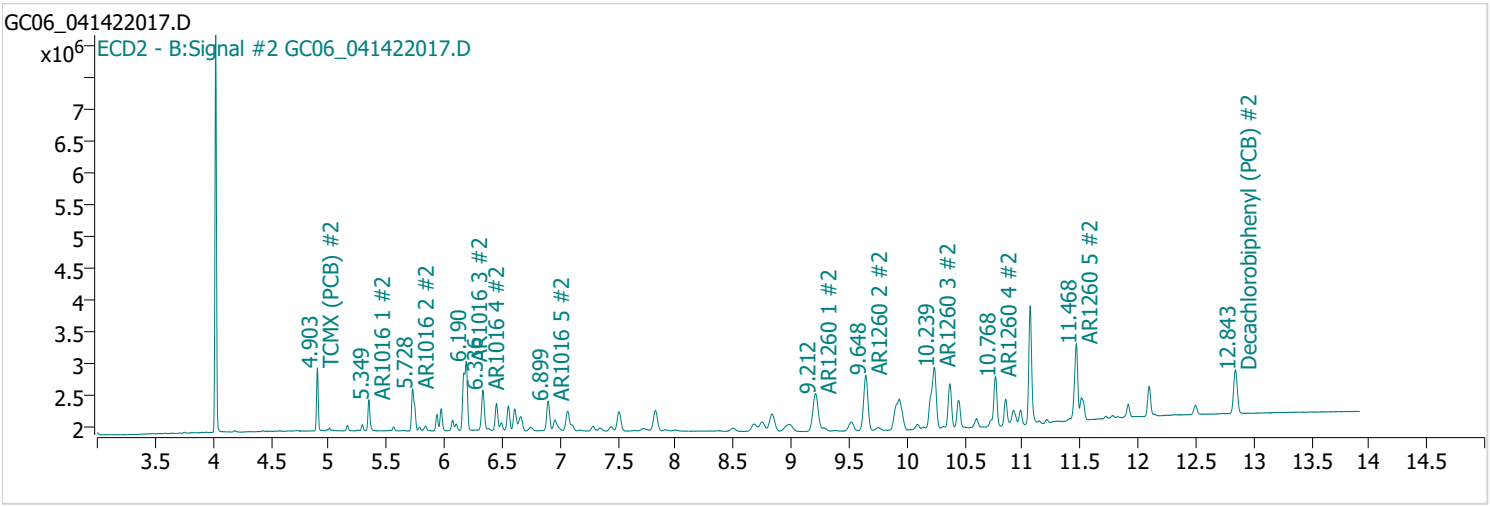
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	2.2852	12.84	0.00	834130			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422017.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:16:29 PM
Sample Name	ICAL, S16585, 20	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 113	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



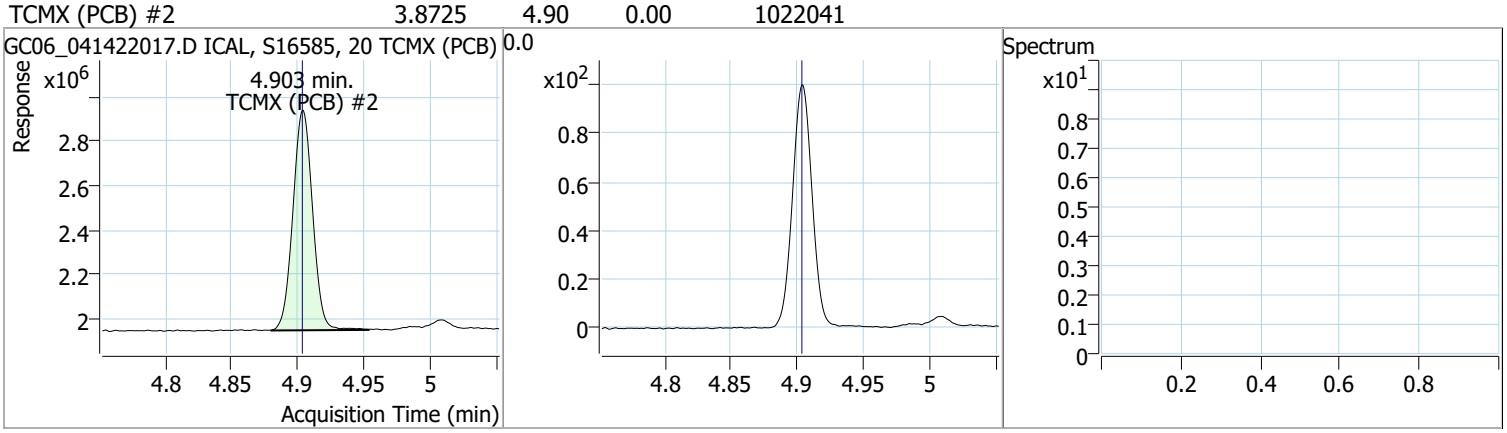


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.251	4.024	1622170	5762030	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.013	4.903	308043	1022041	3.948	3.873	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	19.74% *	19.36% *	
S Decachlorobiphenyl (PCB)	12.367	12.843	558001	1575553	4.524	4.531	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	22.62% *	22.66% *	
Target Compounds							
T AR1016 1	5.357	5.349	169121	620281	106.582	114.953	ng/ml
T AR1016 2	5.691	5.728	372547	1226965	107.829	109.570	ng/ml
T AR1016 3	6.155	6.190	432600	1559397 m	106.390	105.594	ng/ml
T AR1016 4	6.293	6.336	327124	1069117	107.505	106.708	ng/ml
T AR1016 5	6.745	6.899	257542	834356	109.416	106.516	ng/ml
T AR1260 1	8.623	9.212	571288	1942370	111.907	111.379	ng/ml
T AR1260 2	9.219	9.648	876378	2239752	111.457	111.151	ng/ml
T AR1260 3	9.766	10.239	880788	2981275	107.754	108.897	ng/ml
T AR1260 4	10.336	10.768	442513	1604425	108.854	108.304	ng/ml

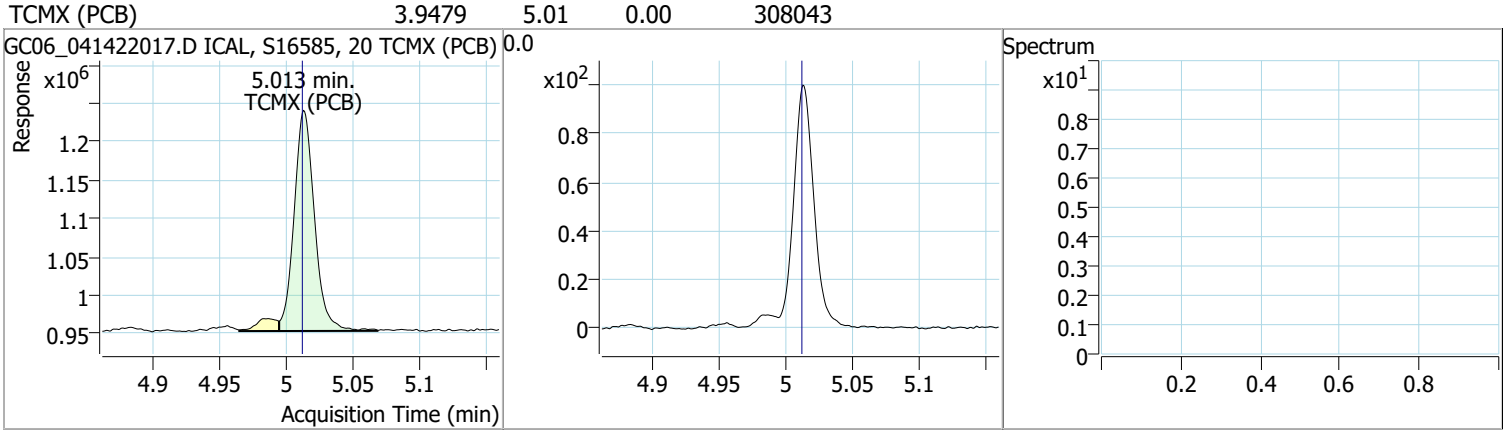
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.468	587244	2400549	109.144	109.910	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

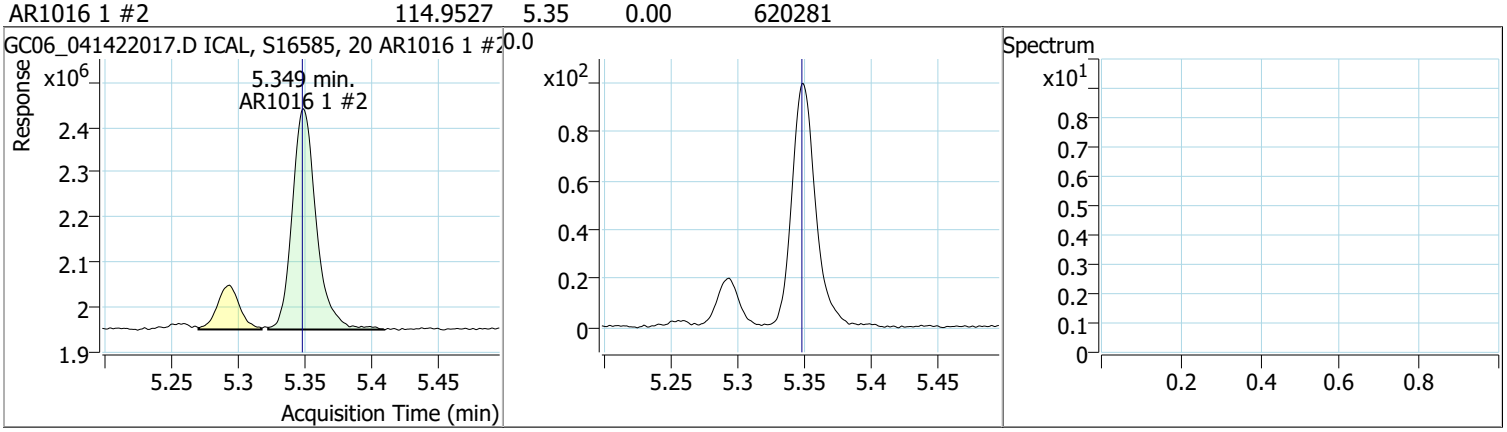
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	3.8725	4.90	0.00	1022041			



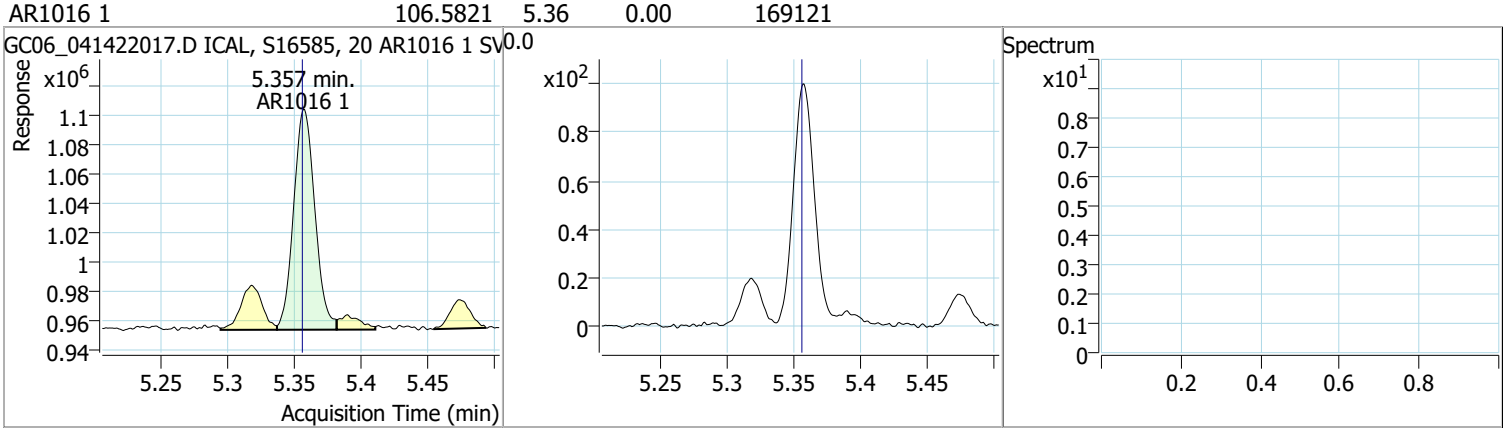
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	3.9479	5.01	0.00	308043			



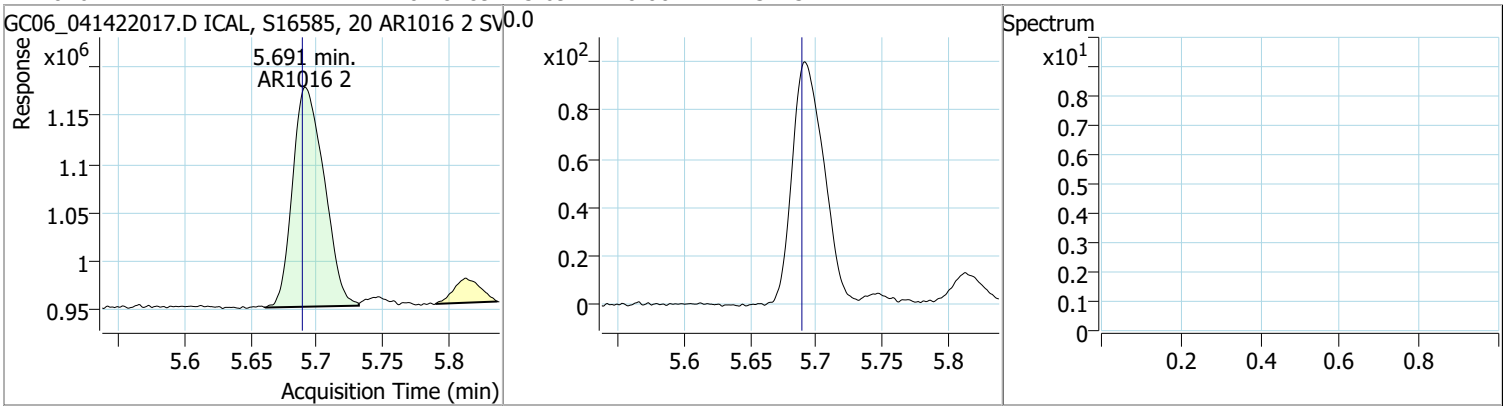
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	114.9527	5.35	0.00	620281			



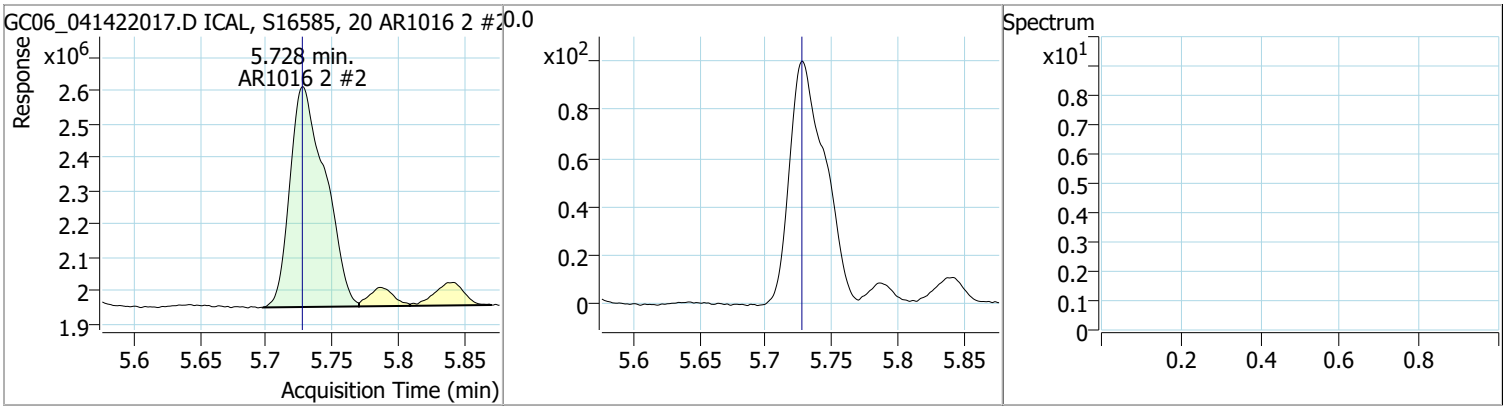
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	106.5821	5.36	0.00	169121			



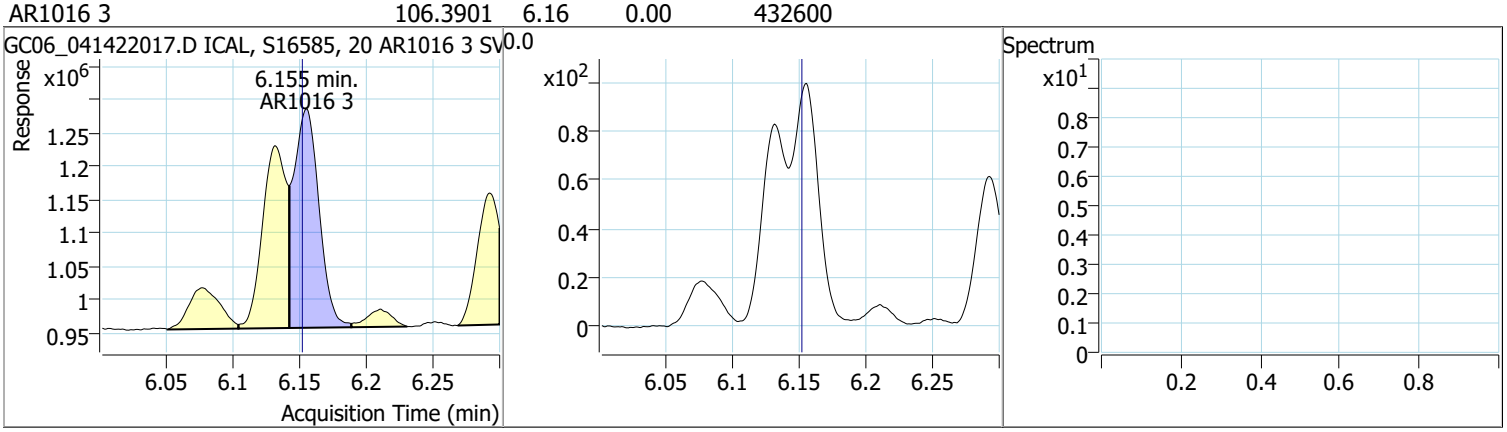
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	107.8289	5.69	0.00	372547			



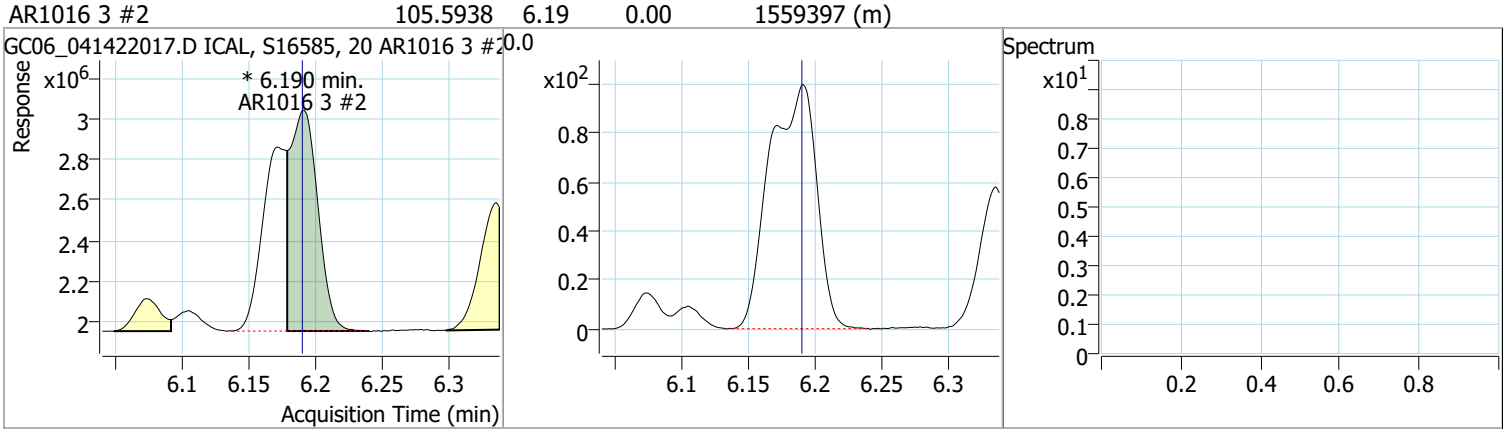
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	109.5703	5.73	0.00	1226965			



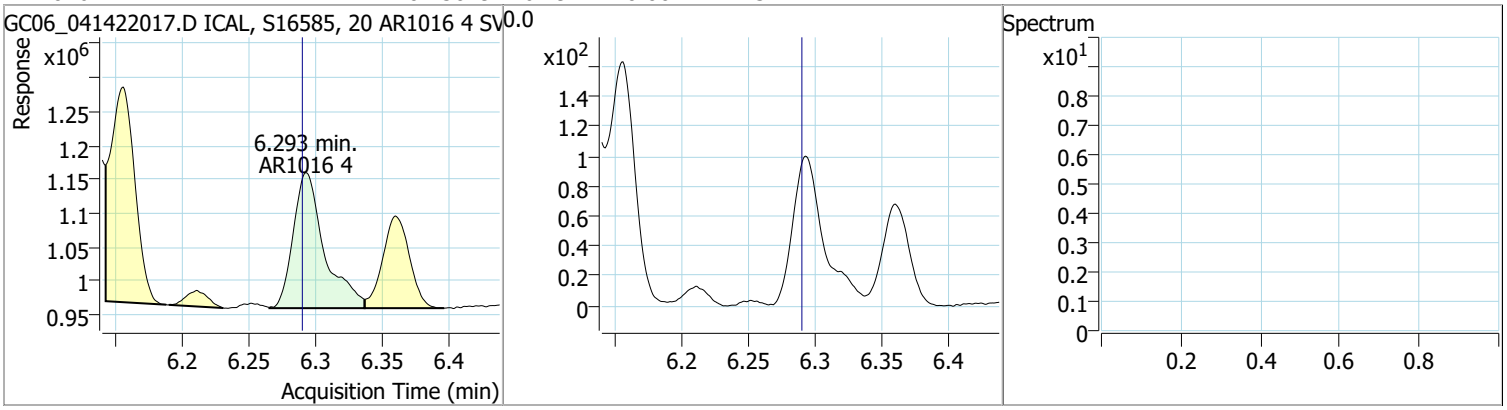
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	106.3901	6.16	0.00	432600			



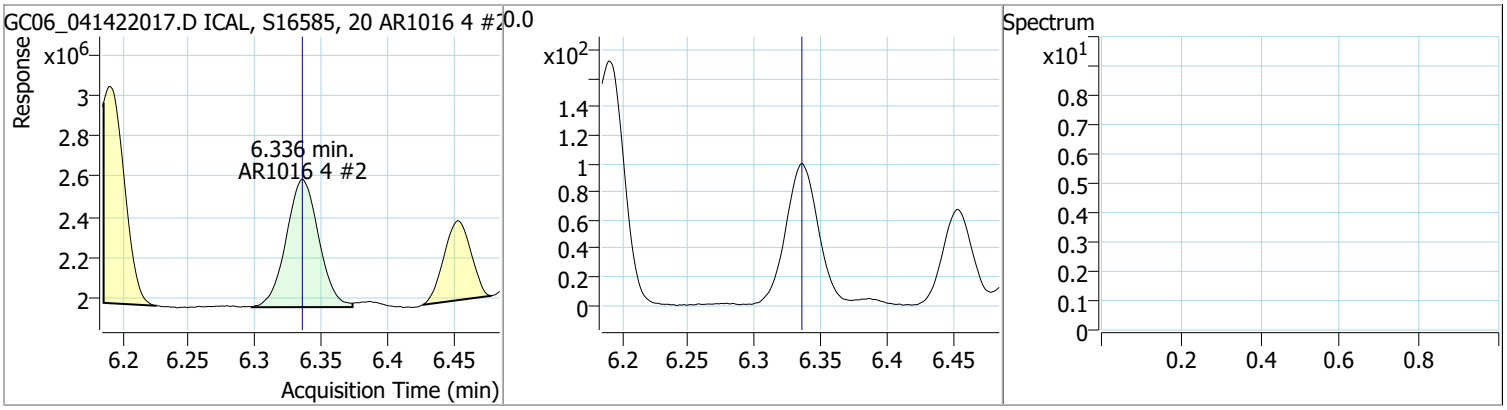
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	105.5938	6.19	0.00	1559397 (m)			



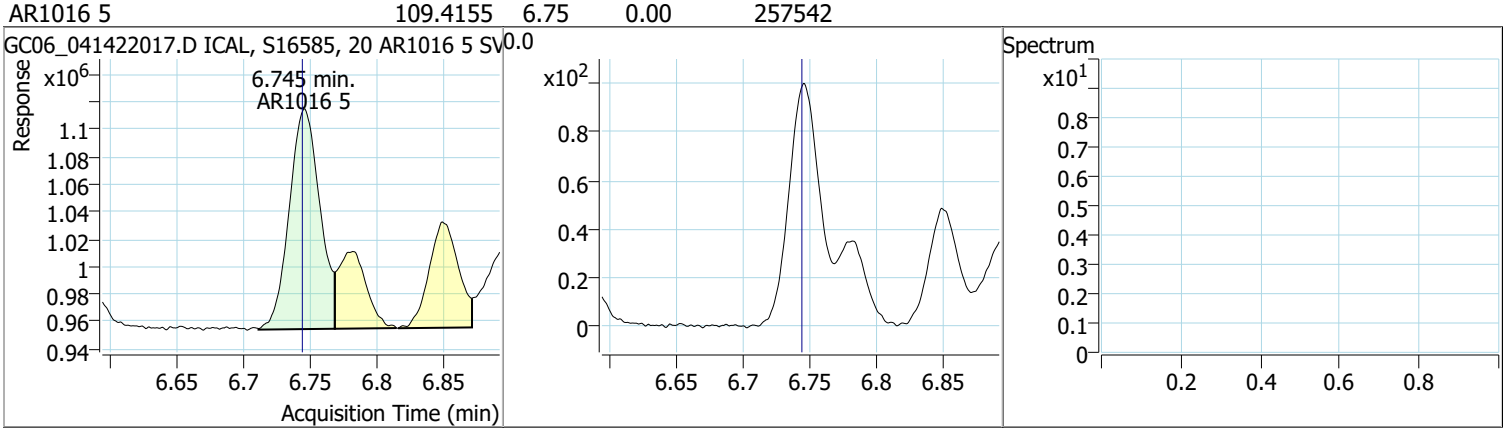
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	107.5049	6.29	0.00	327124			



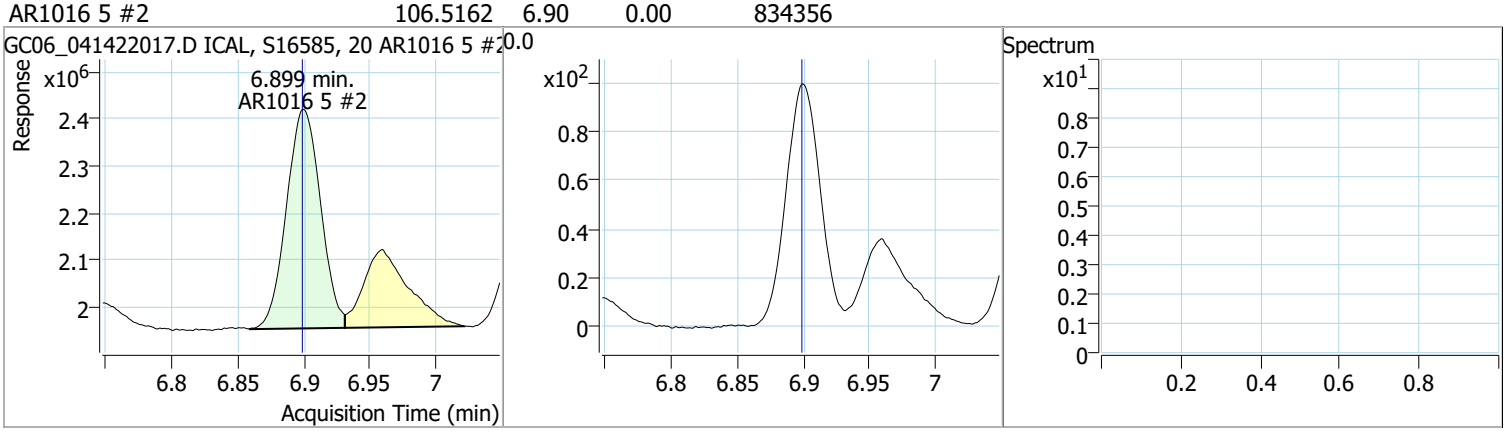
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	106.7085	6.34	0.00	1069117			



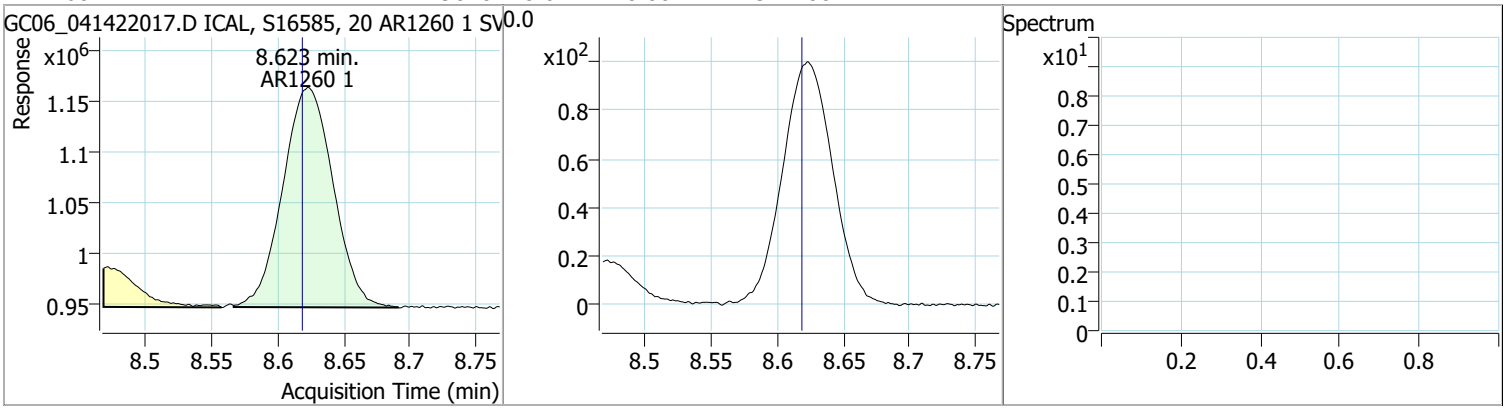
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	109.4155	6.75	0.00	257542			



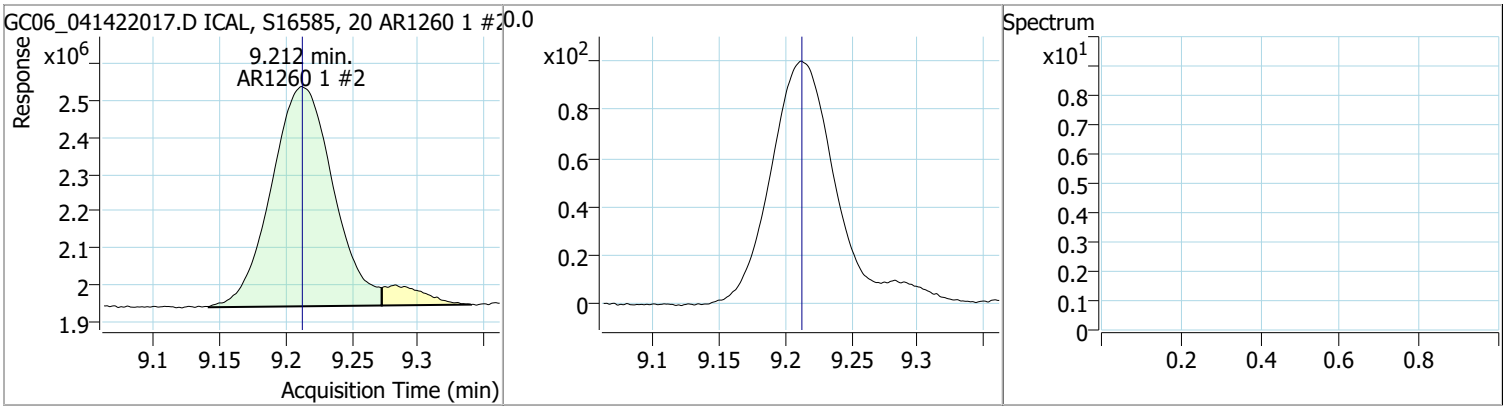
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	106.5162	6.90	0.00	834356			



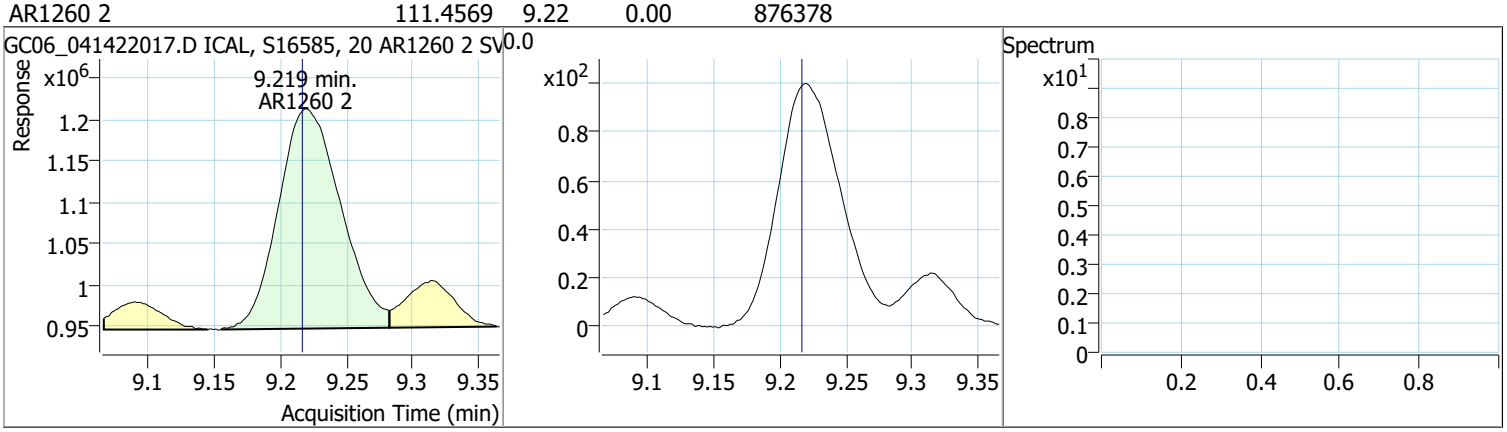
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	111.9070	8.62	0.00	571288			



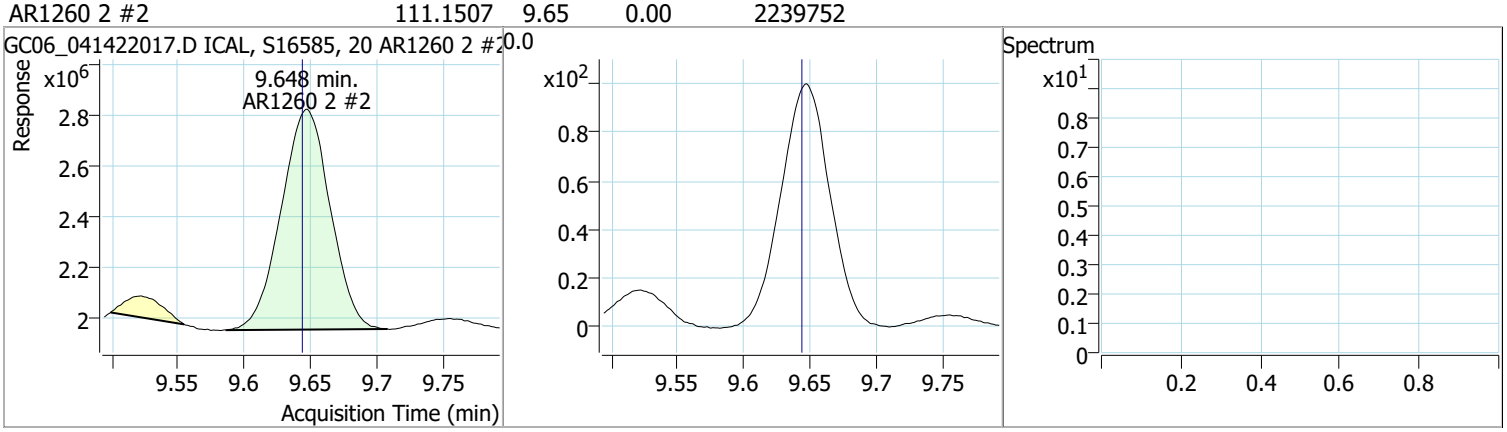
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	111.3788	9.21	0.00	1942370			



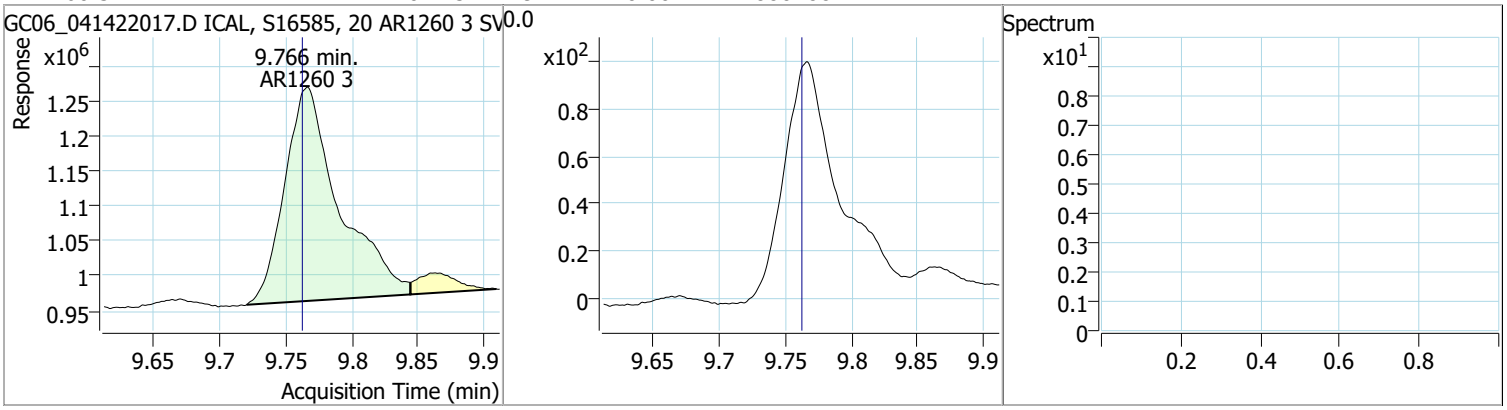
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	111.4569	9.22	0.00	876378			



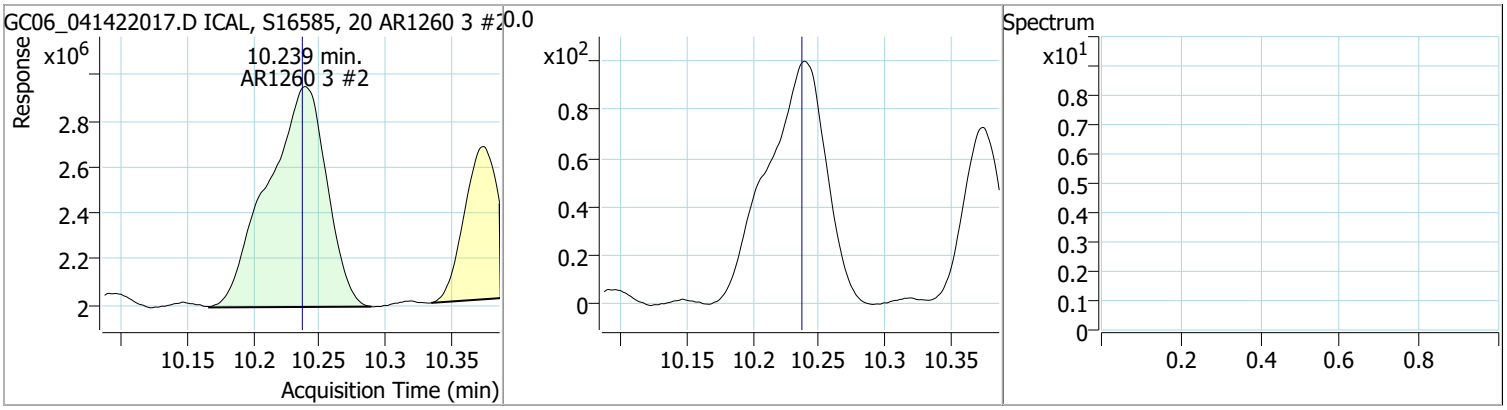
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	111.1507	9.65	0.00	2239752			



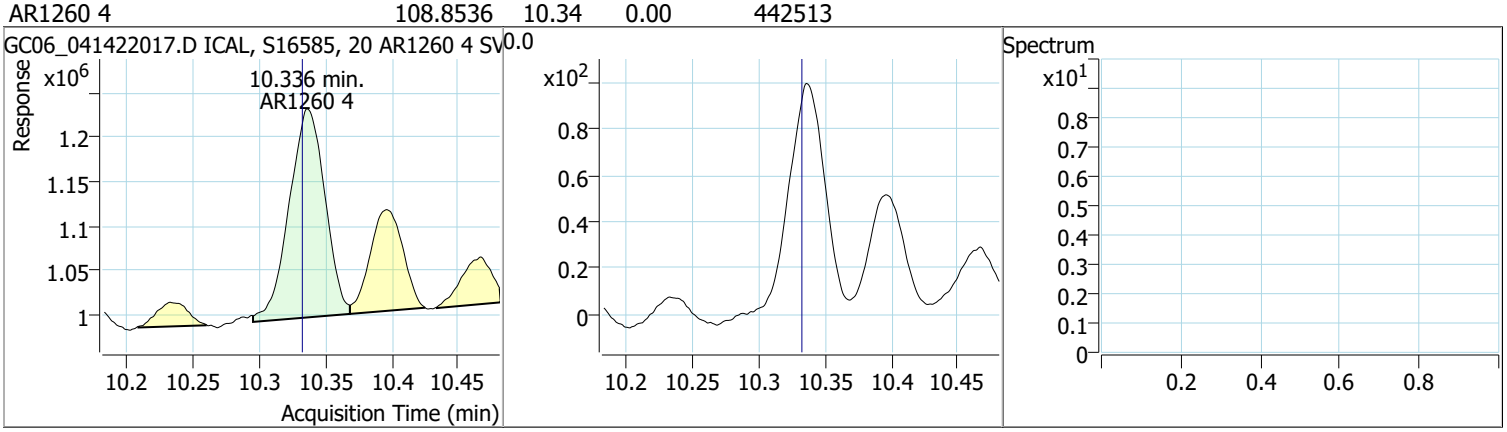
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	107.7542	9.77	0.00	880788			



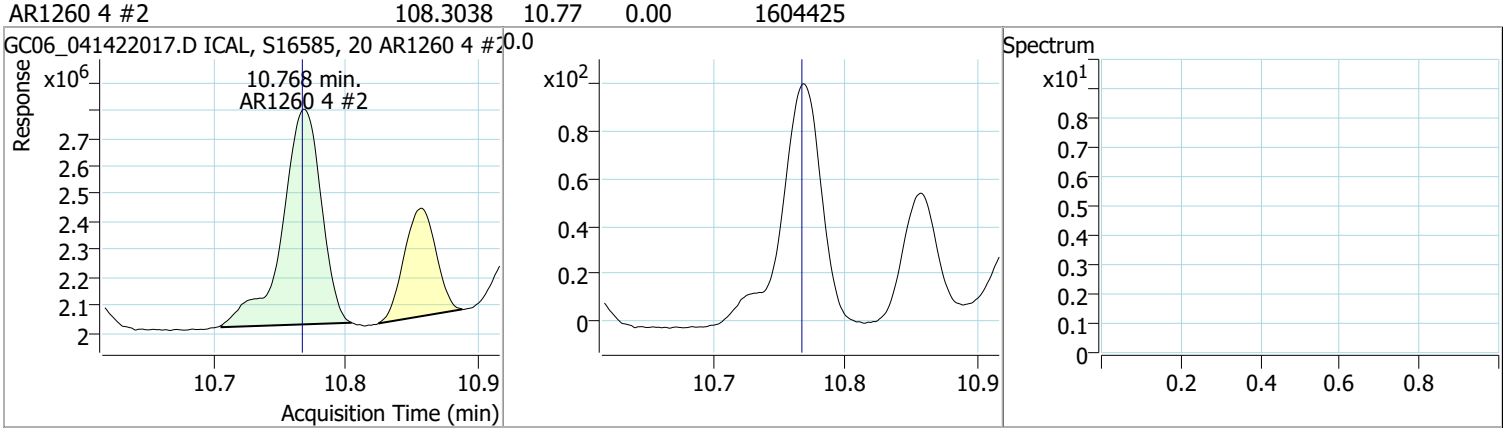
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	108.8974	10.24	0.00	2981275			



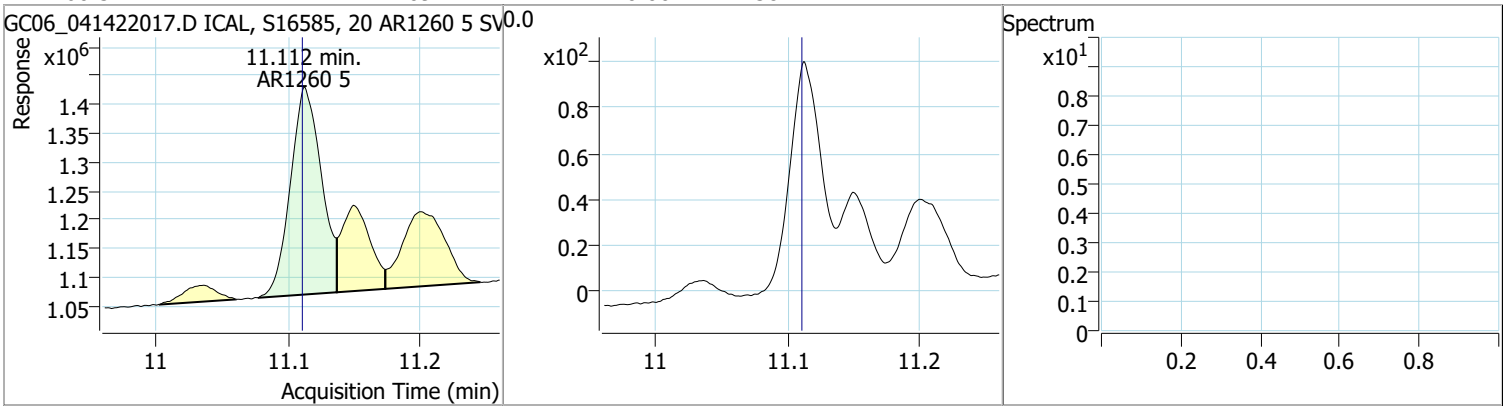
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	108.8536	10.34	0.00	442513			



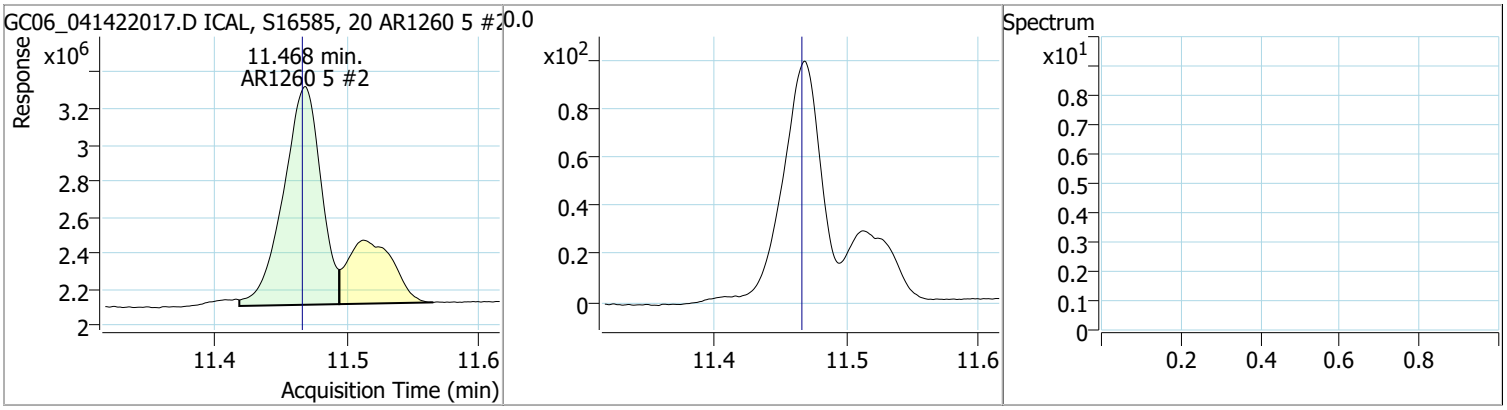
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	108.3038	10.77	0.00	1604425			



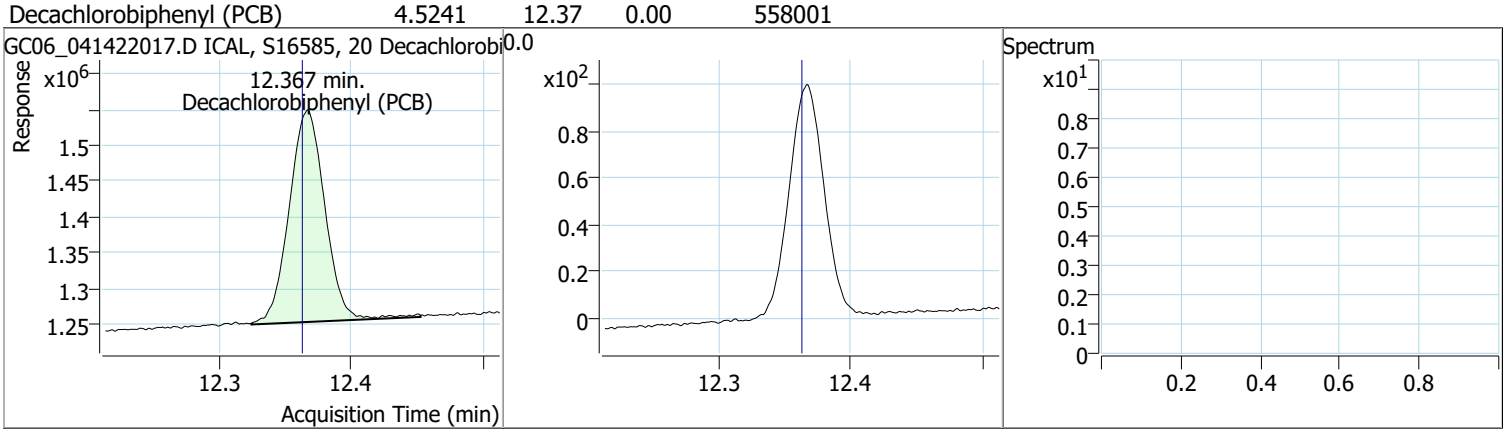
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	109.1442	11.11	0.00	587244			



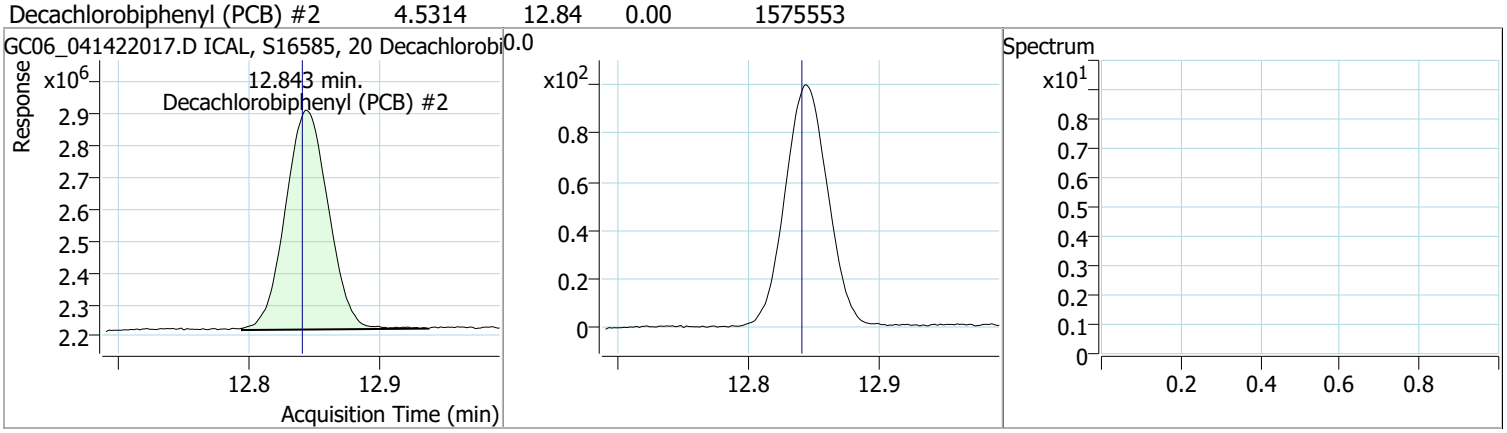
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	109.9105	11.47	0.00	2400549			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	4.5241	12.37	0.00	558001			

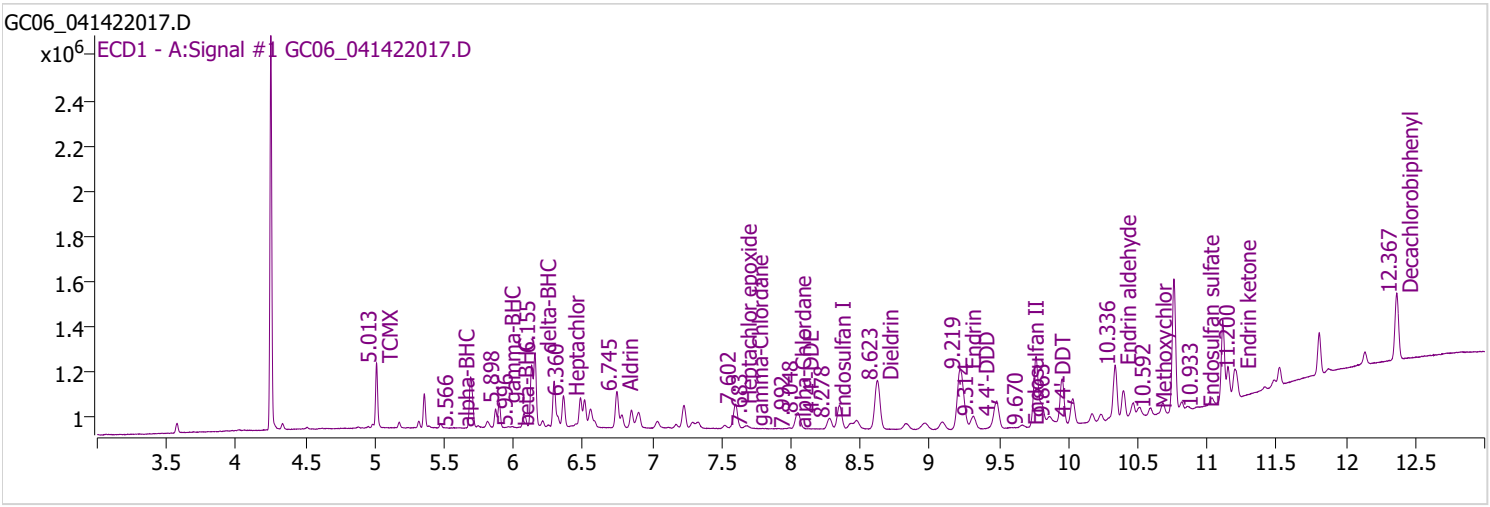


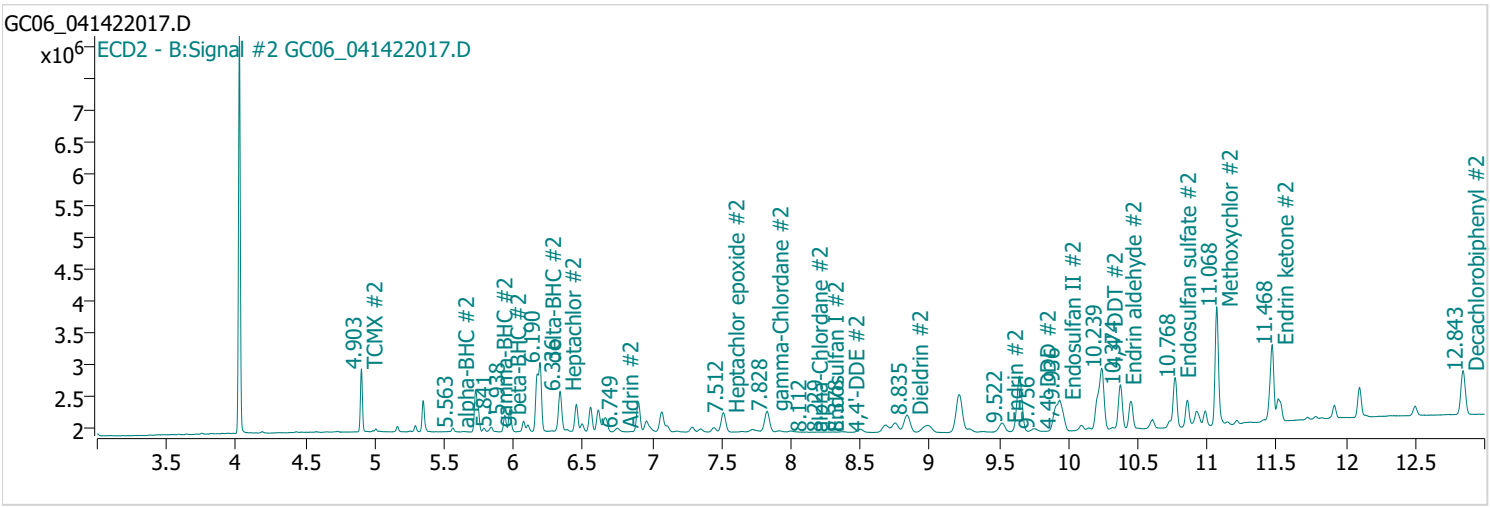
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	4.5314	12.84	0.00	1575553			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422017.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:16:29 PM
Sample Name	ICAL, S16585, 20	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 113	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 7:30:45 PM



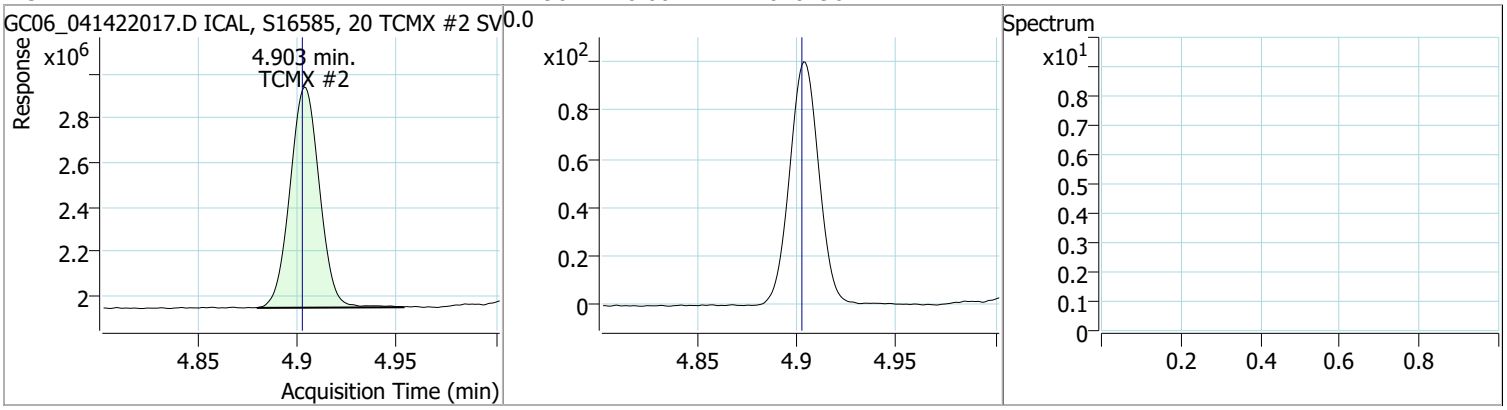


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.251	4.024	1600795	5755473	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.013	4.903	308808	1020196	4.185	4.128	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	20.93% *	20.64% *	
S Decachlorobiphenyl	12.367	12.843	544880	1543655	4.986	4.785	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	24.93% *	23.93% *	
Target Compounds							
T alpha-BHC	5.566	5.563 f	755	54780	0.011	0.213 #	ng/ml
T gamma-BHC	5.898	5.841	135164	109421	1.807	0.421 #	ng/ml
T beta-BHC	5.996	5.938	7089	330689	0.199	2.345 #	ng/ml
T delta-BHC	6.155	6.190	423413	2663412	4.608	6.426 #	ng/ml
T Heptachlor	6.360	6.336	165756	1068644	2.134	3.369 #	ng/ml
T Aldrin	6.745	6.749	257254	123038	3.187	0.447 #	ng/ml
T Heptachlor epoxide	7.602	7.512	219476	648063	2.790	2.403	ng/ml
T gamma-Chlordane	7.683	7.828	22732	773454	0.340	2.652 #	ng/ml
T alpha-Chlordane	7.992	8.112	2645	4717	0.040	0.021 #	ng/ml

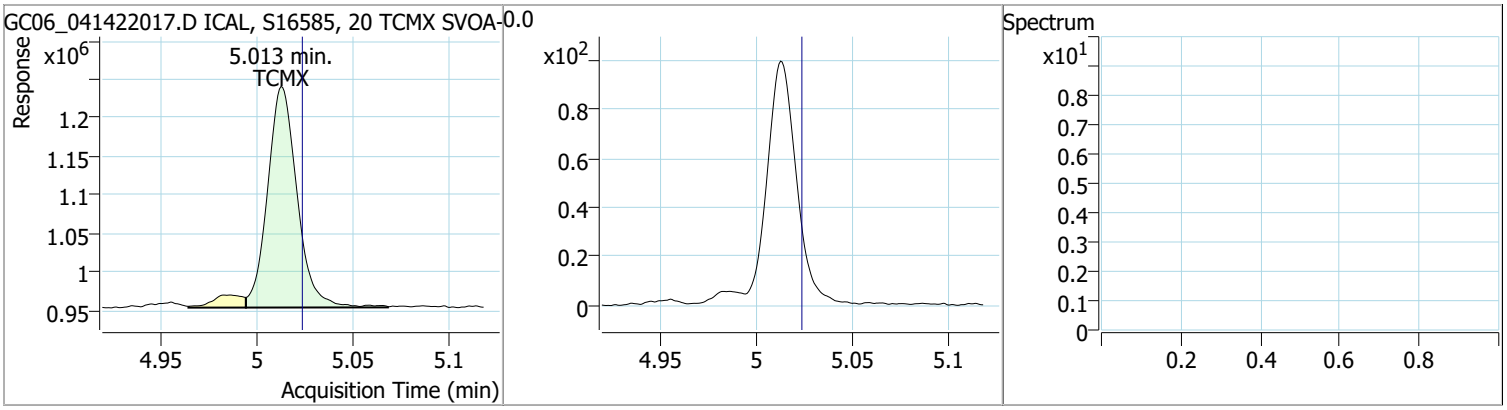
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.278	8.229	99753	2198	1.600	0.011 #	ng/ml
T 4,4'-DDE	8.048	8.378 f	179763	14782	2.722	0.071 #	ng/ml
T Dieldrin	8.623	8.835	571239	710390	7.040	2.915 #	ng/ml
T Endrin	9.219	9.522	790521	410212	9.663	1.893 #	ng/ml
T 4,4'-DDD	9.314	9.756	93460	111688	1.919	0.594 #	ng/ml
T Endosulfan II	9.670	9.936 f	22069	2012533	0.339	7.401 #	ng/ml
T 4,4'-DDT	9.863	10.239	54818	2962599	0.923	10.030 #	ng/ml
T Endrin aldehyde	10.336	10.374	412676	1362745	7.425	6.878	ng/ml
T Endosulfan sulfate	10.933	10.768	2493	1662139	0.044	7.276 #	ng/ml
T Methoxychlor	10.592	11.068 f	47842	3275638	1.367	24.375 #	ng/ml
T Endrin ketone	11.200	11.468 f	219505	2374924	2.920	7.988 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

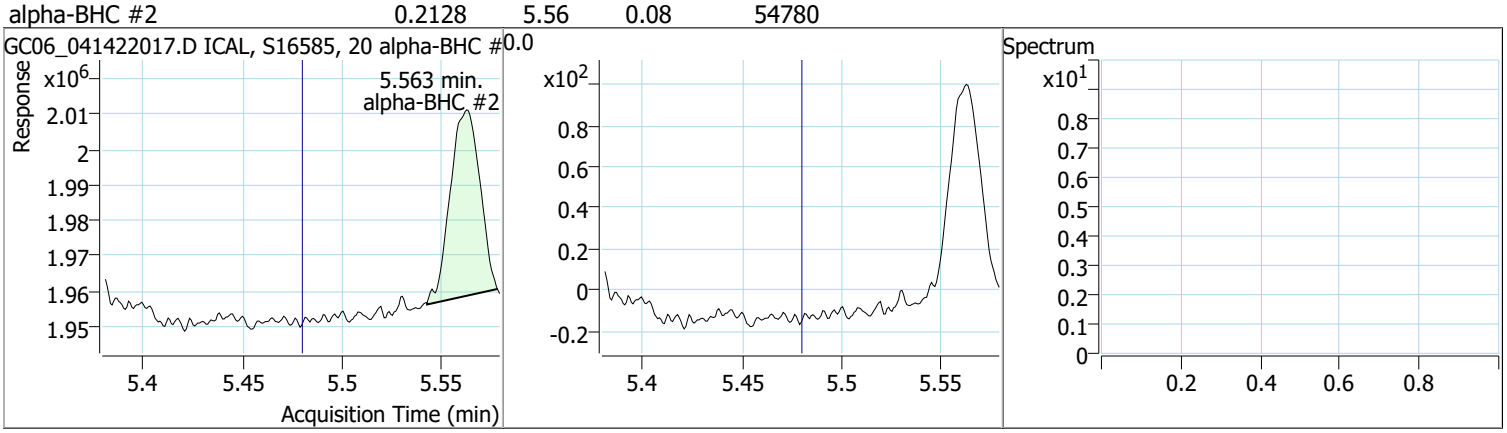
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	4.1277	4.90	0.00	1020196			



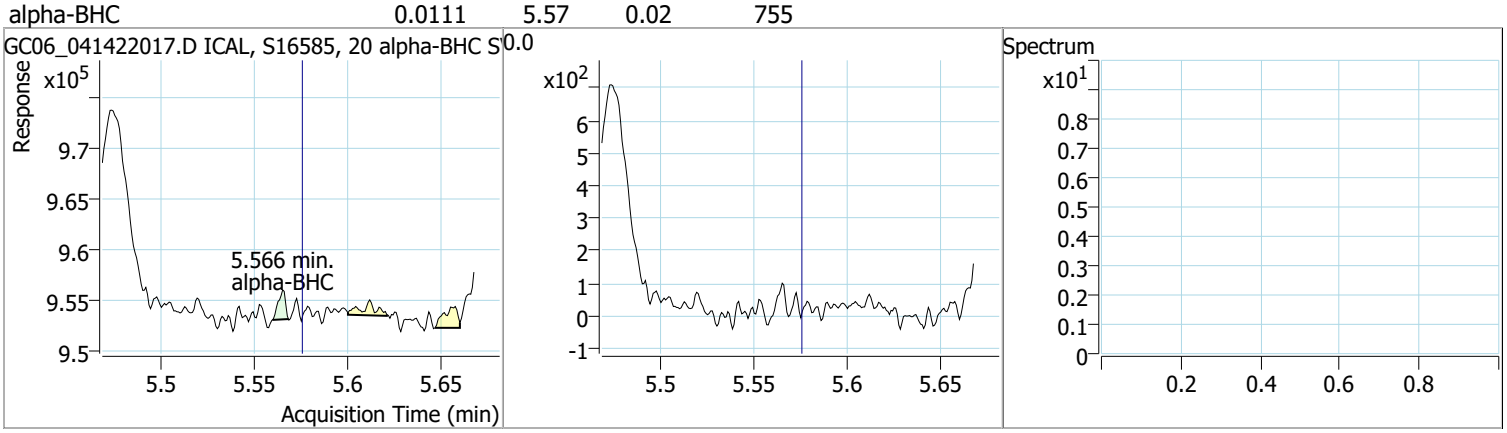
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	4.1854	5.01	0.01	308808			



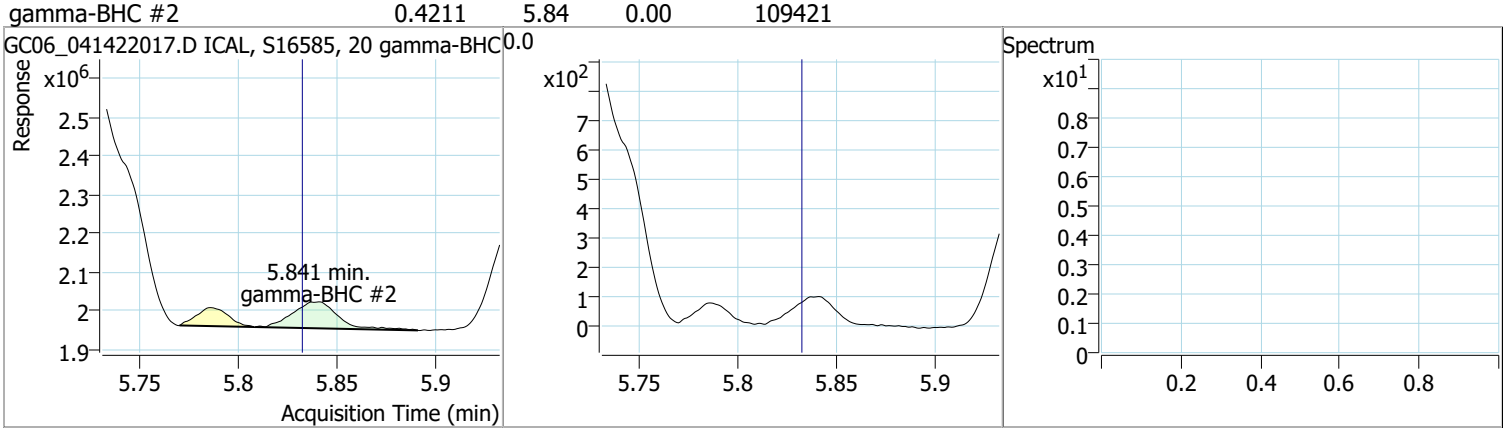
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	0.2128	5.56	0.08	54780			



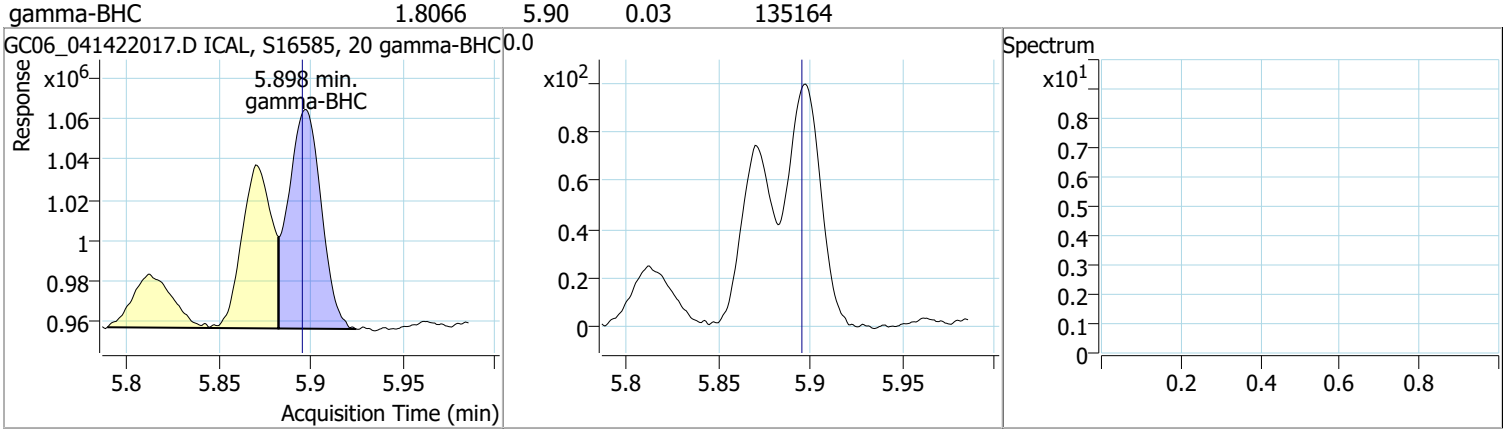
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC	0.0111	5.57	0.02	755			



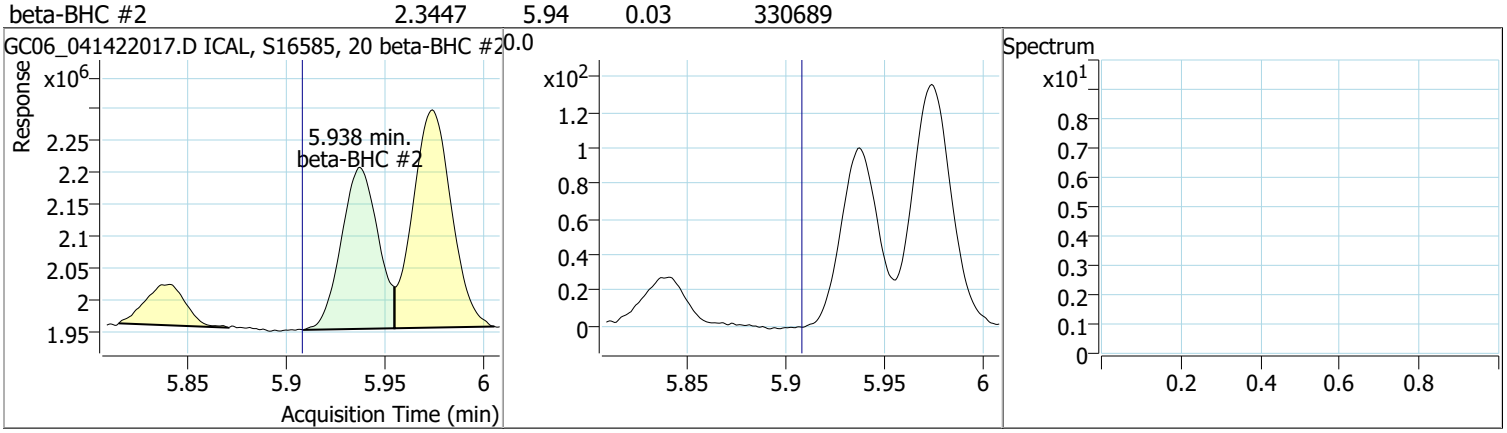
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	0.4211	5.84	0.00	109421			



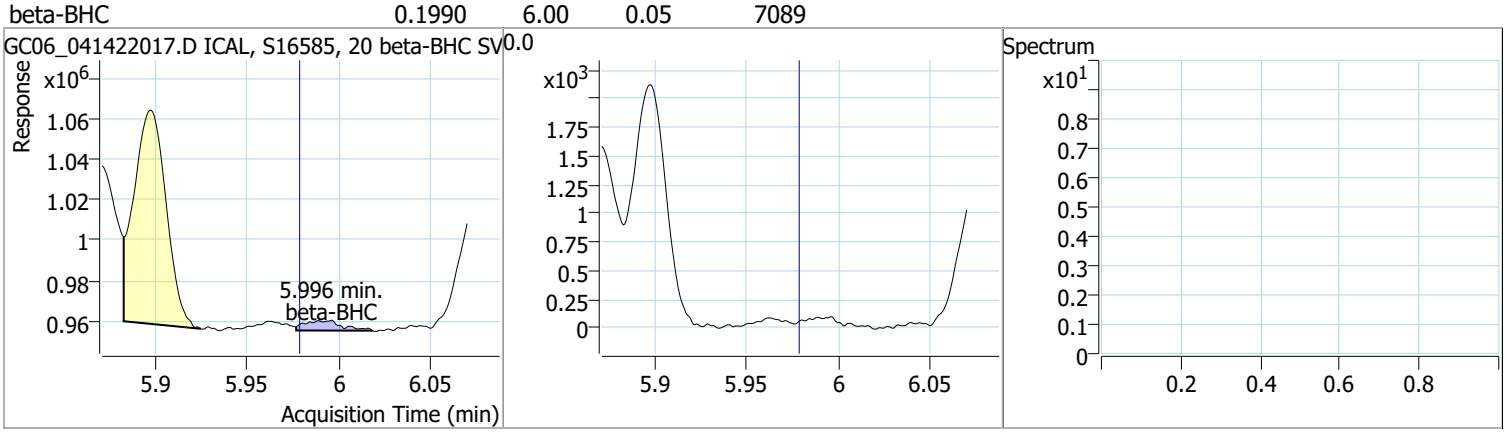
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	1.8066	5.90	0.03	135164			



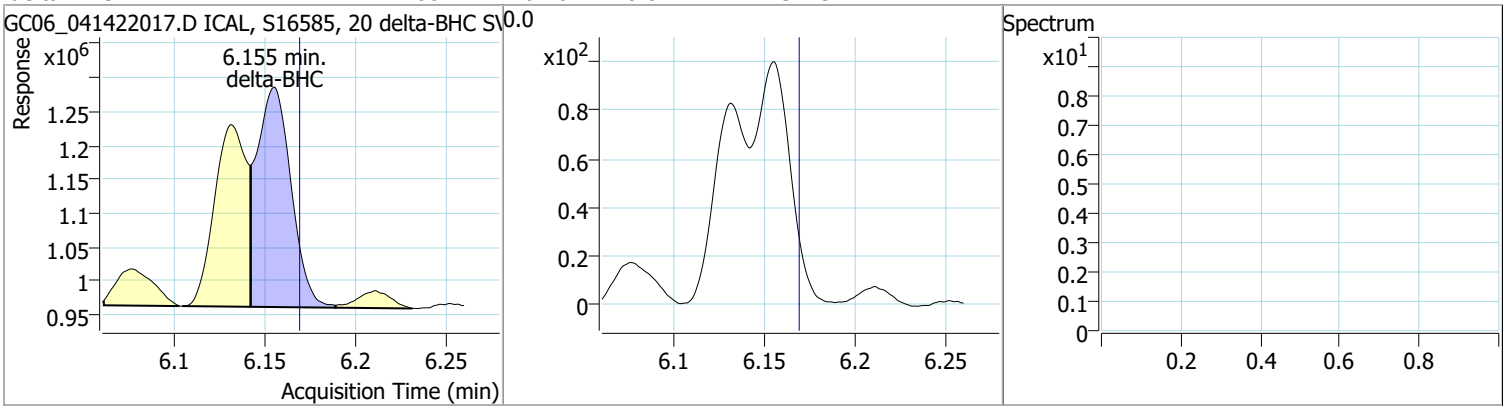
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	2.3447	5.94	0.03	330689			



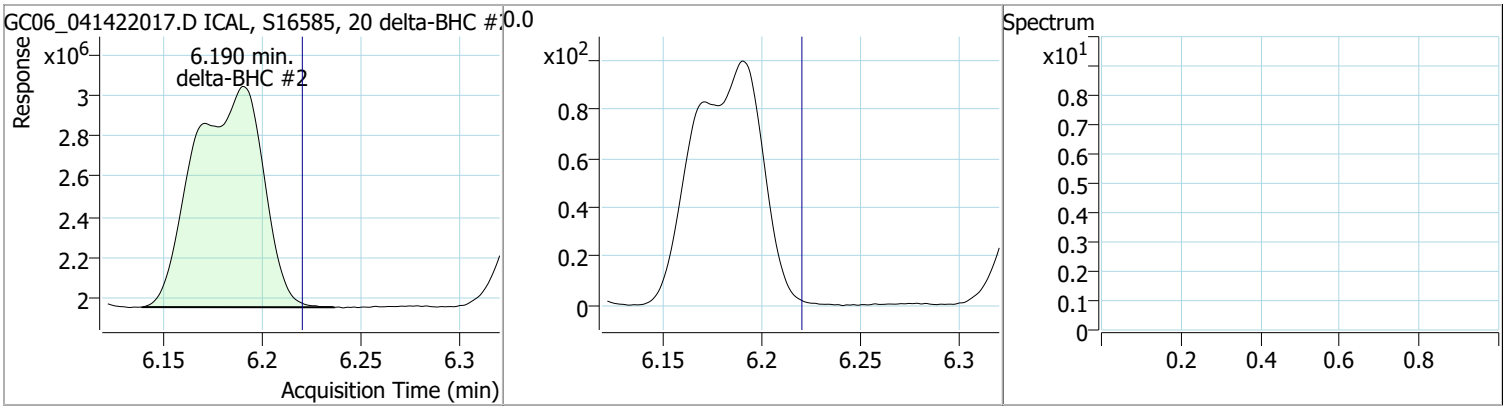
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	0.1990	6.00	0.05	7089			



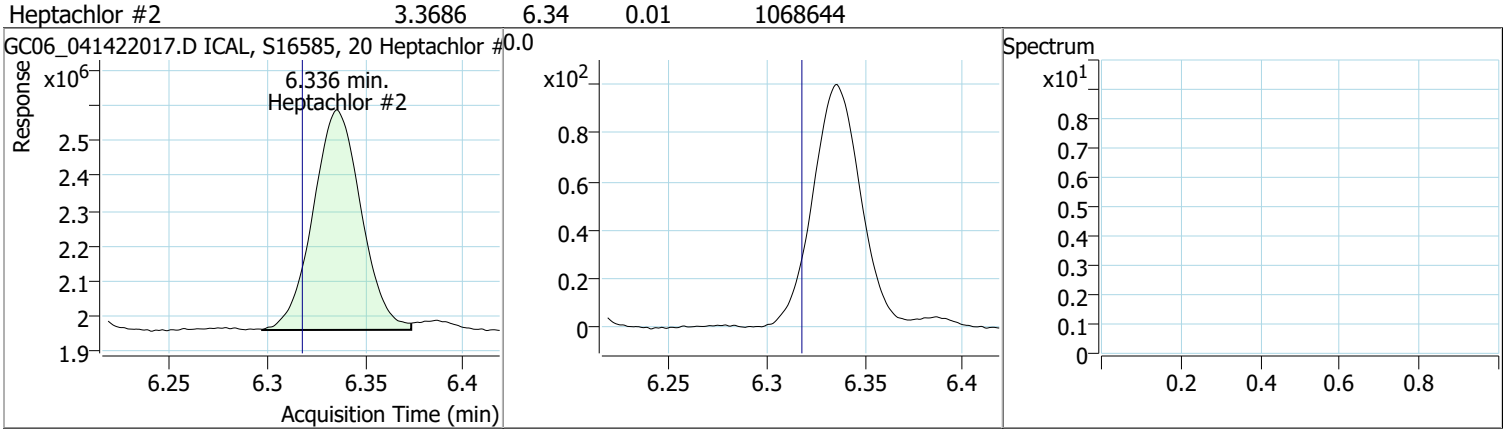
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	4.6077	6.16	0.02	423413			



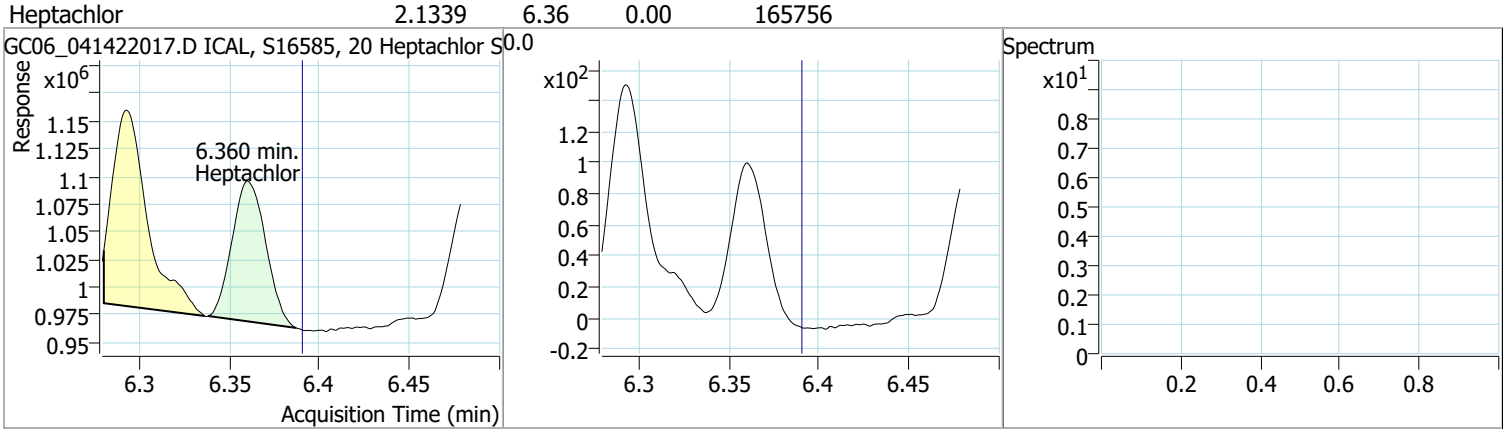
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	6.4261	6.19	-0.03	2663412			



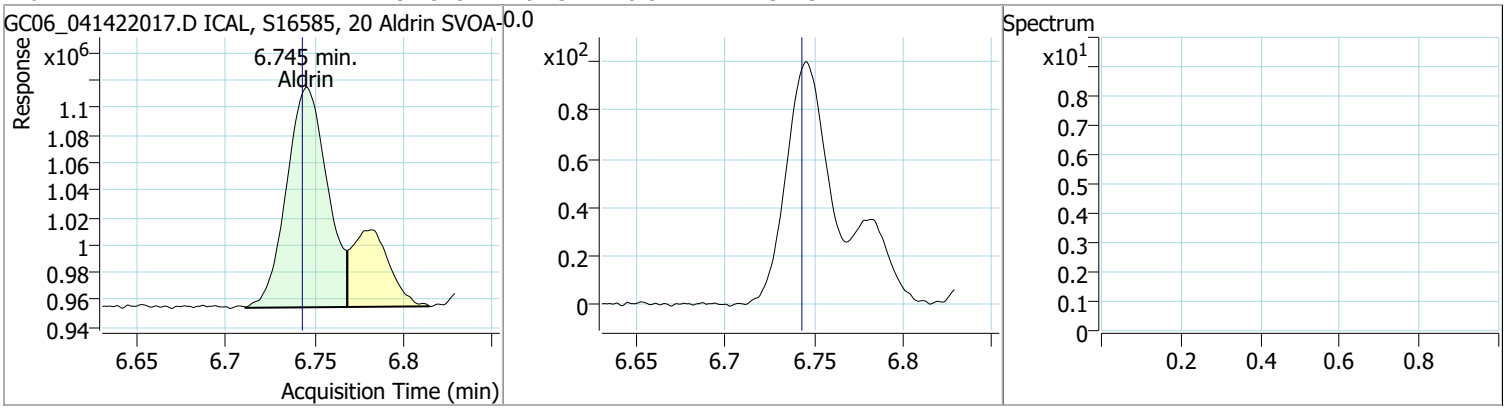
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	3.3686	6.34	0.01	1068644			



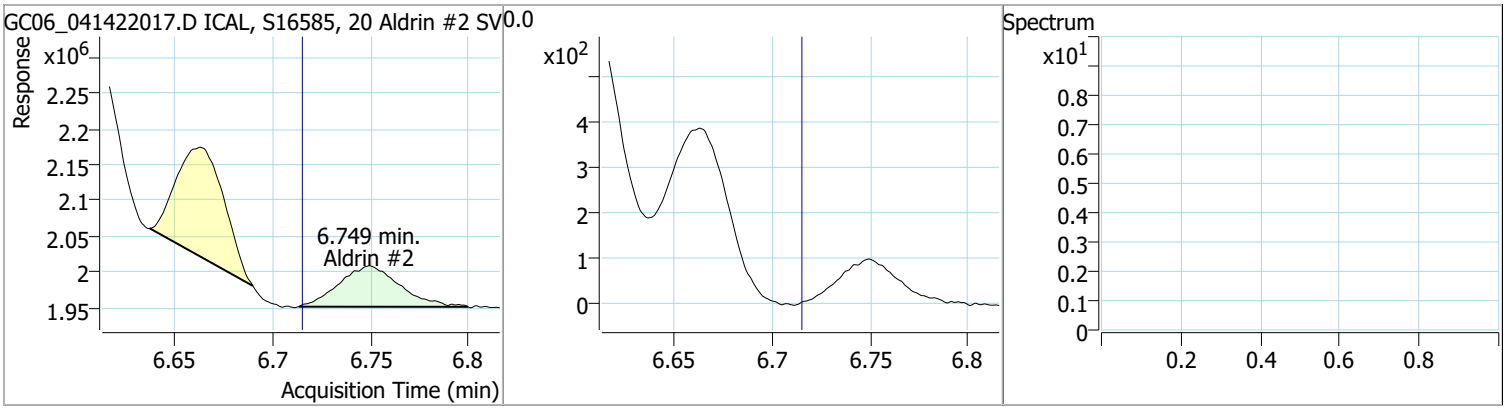
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	2.1339	6.36	0.00	165756			



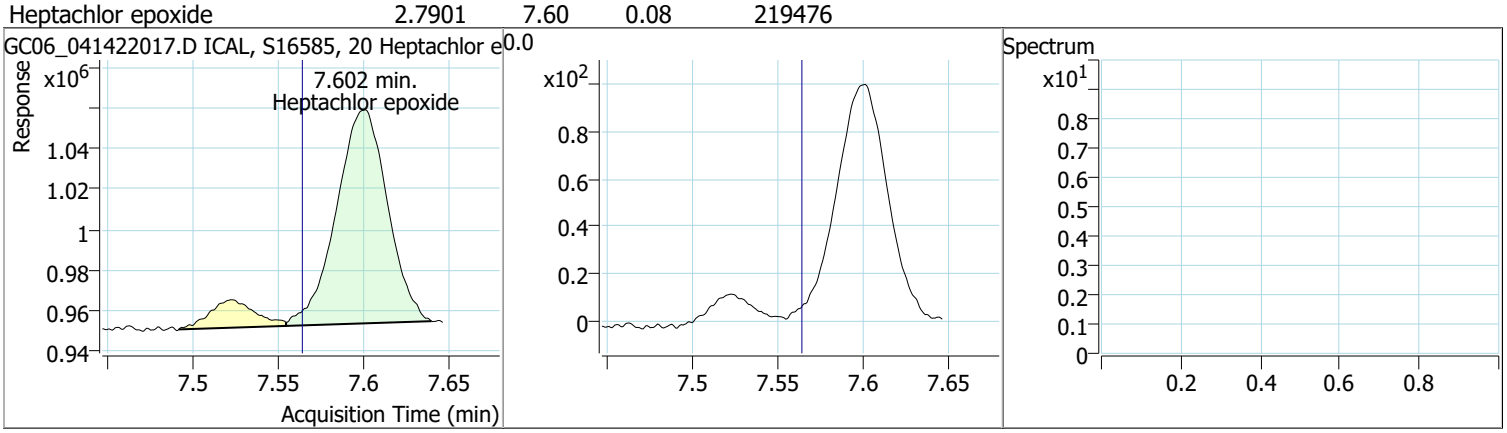
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	3.1870	6.75	0.04	257254			



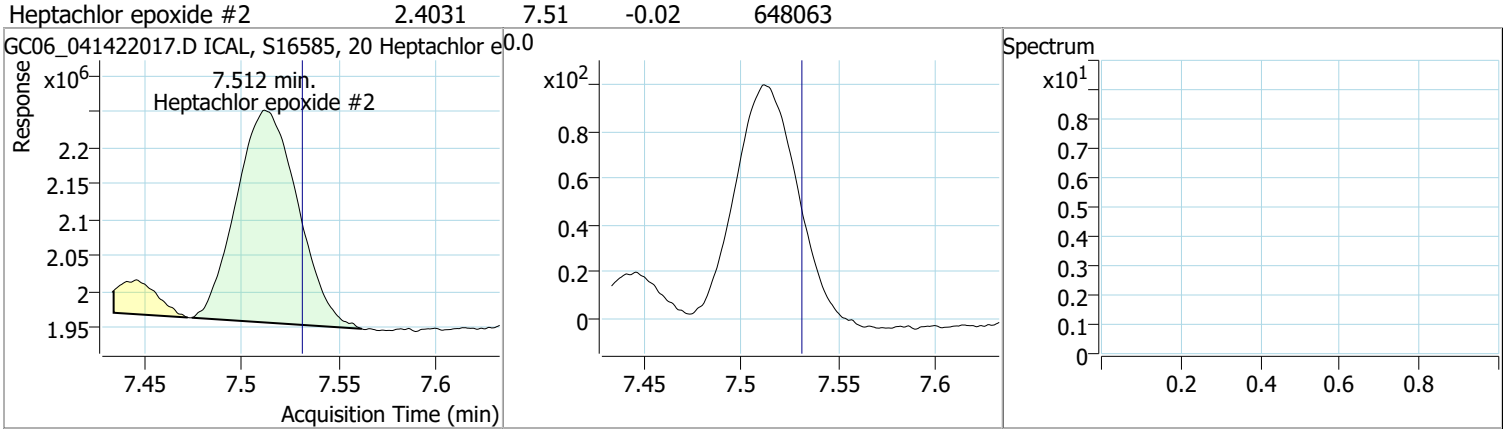
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	0.4474	6.75	0.03	123038			



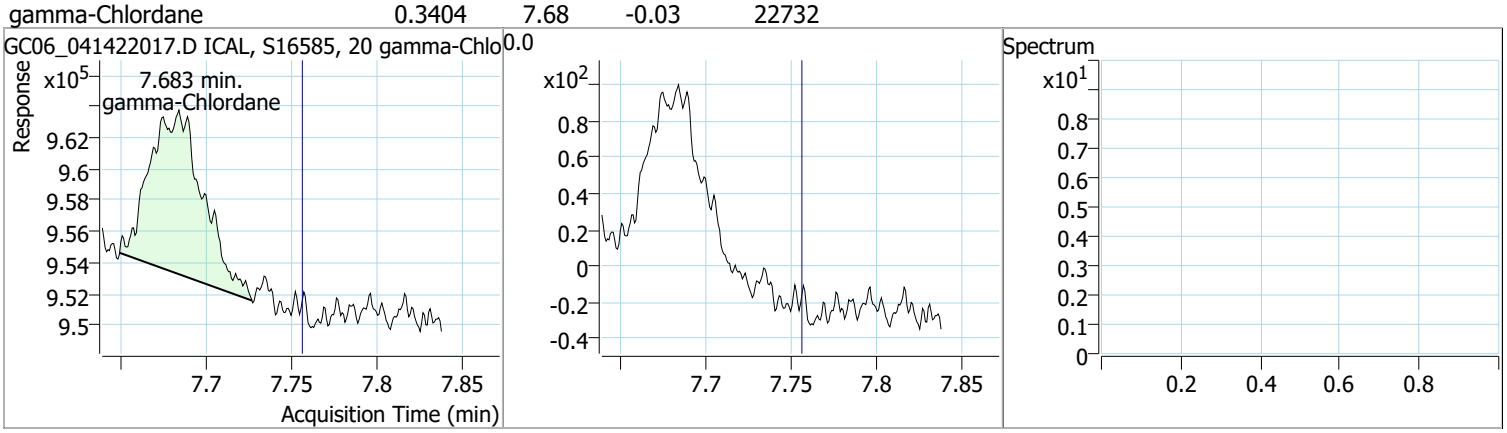
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	2.7901	7.60	0.08	219476			



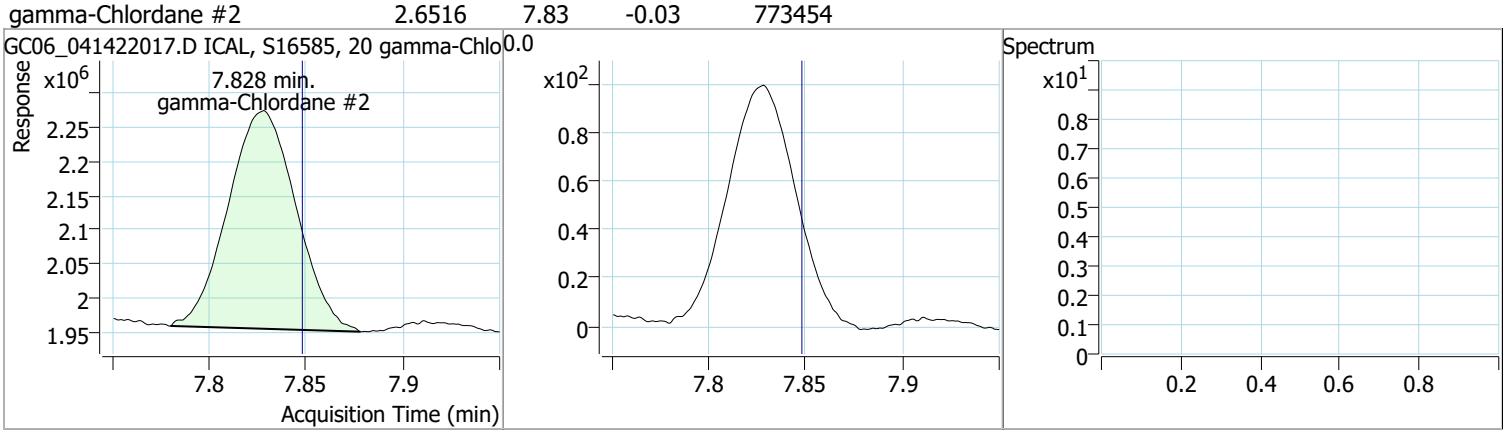
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	2.4031	7.51	-0.02	648063			



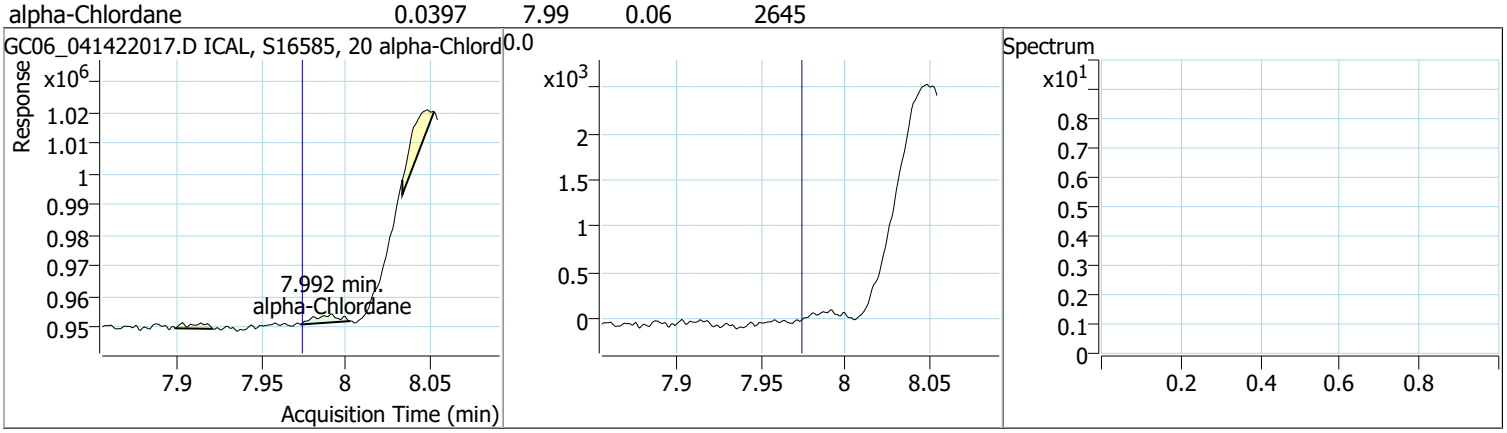
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.3404	7.68	-0.03	22732			



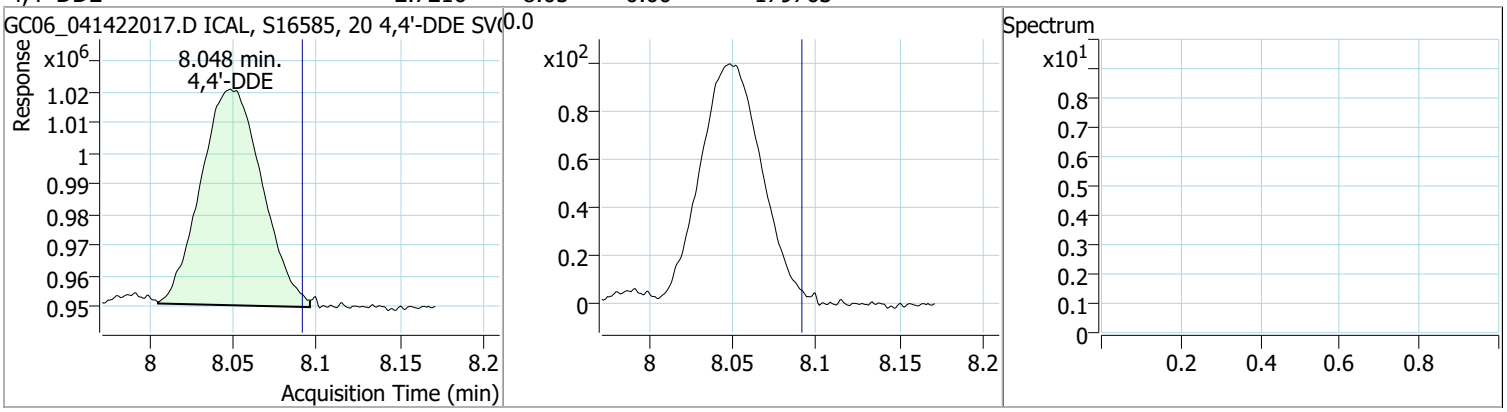
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	2.6516	7.83	-0.03	773454			



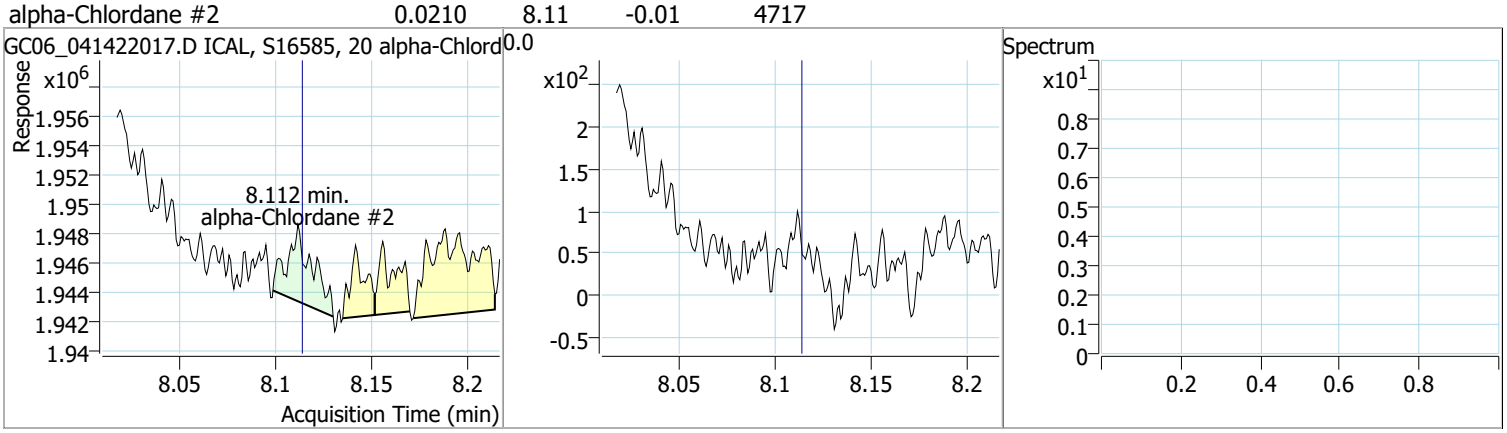
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	0.0397	7.99	0.06	2645			



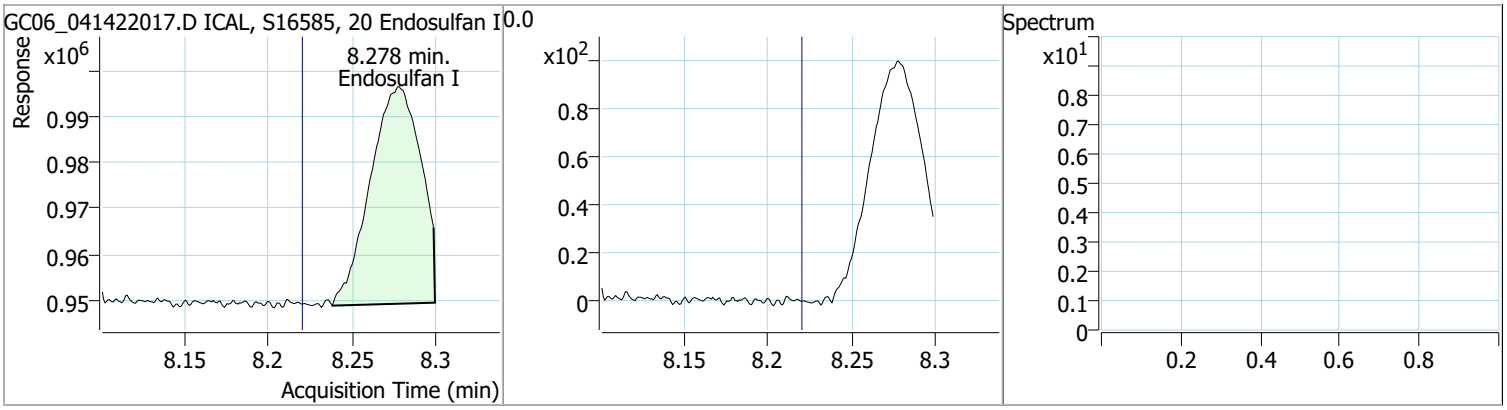
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	2.7216	8.05	0.00	179763			



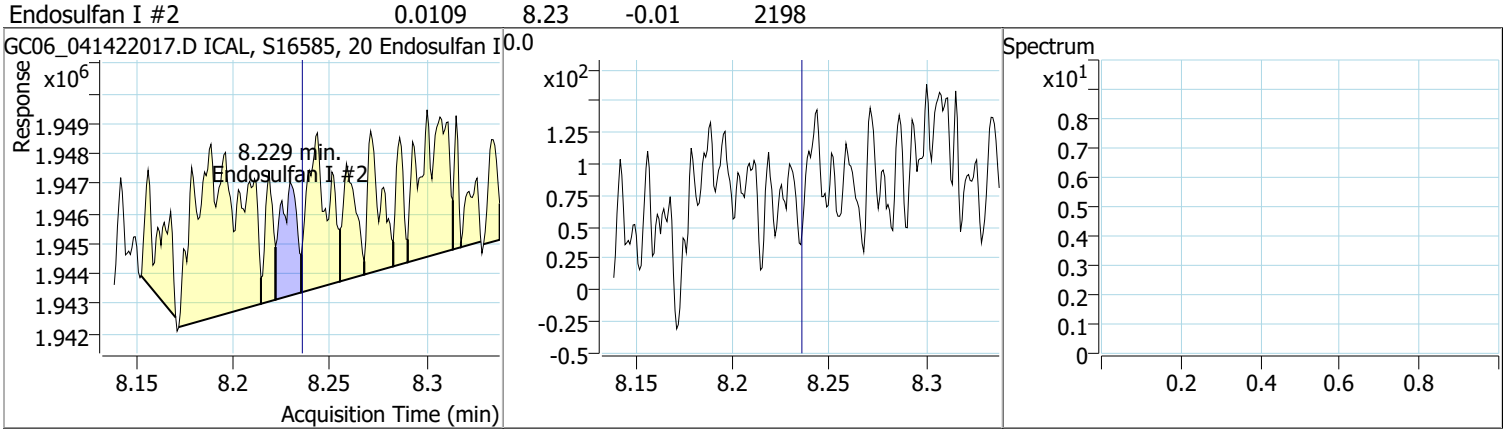
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
alpha-Chlordane #2	0.0210	8.11	-0.01	4717		



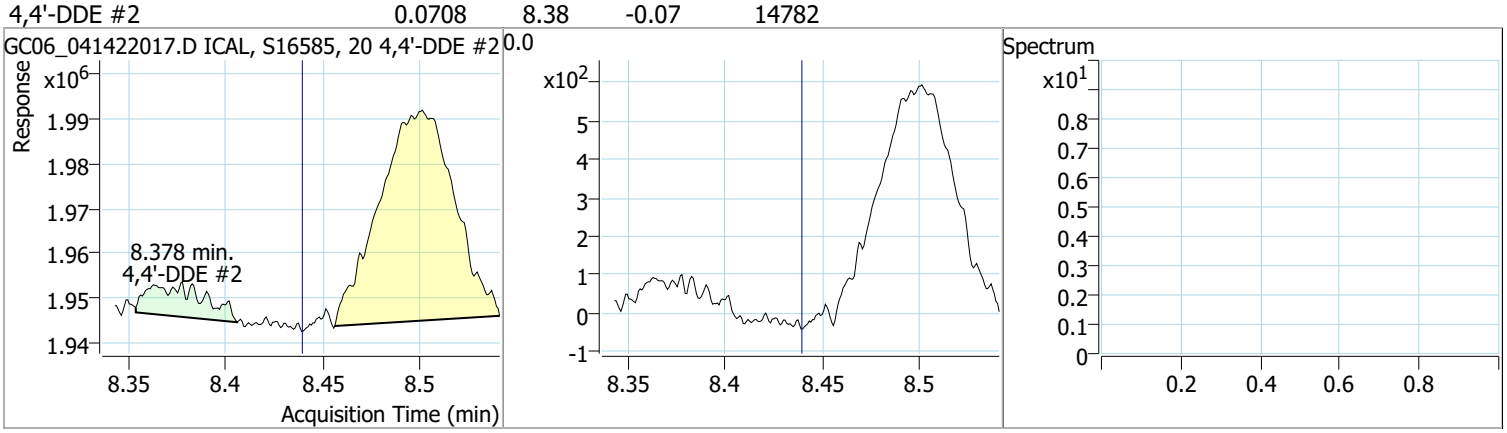
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
Endosulfan I	1.6001	8.28	0.10	99753		



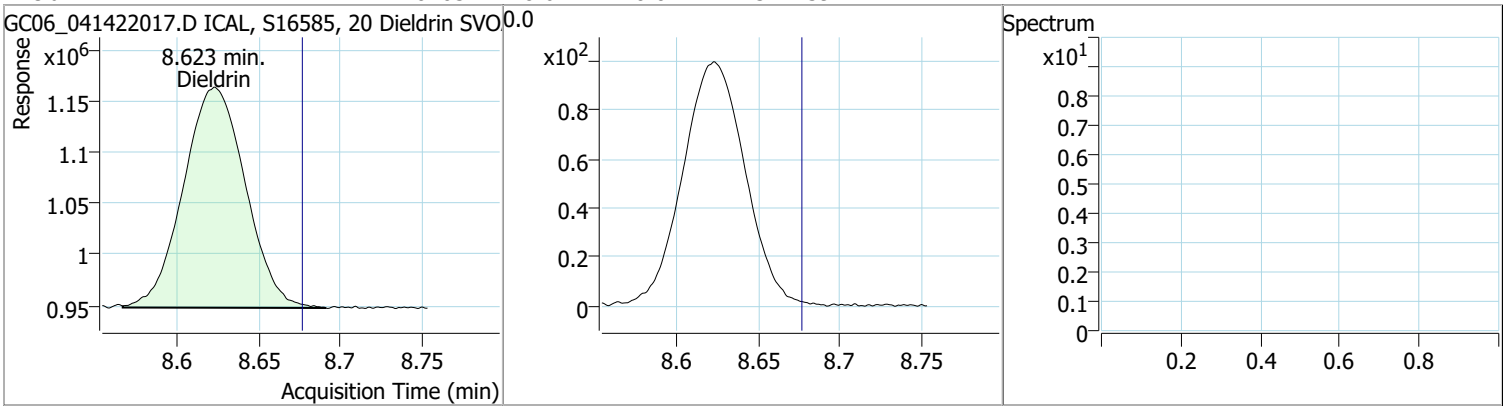
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
Endosulfan I #2	0.0109	8.23	-0.01	2198		



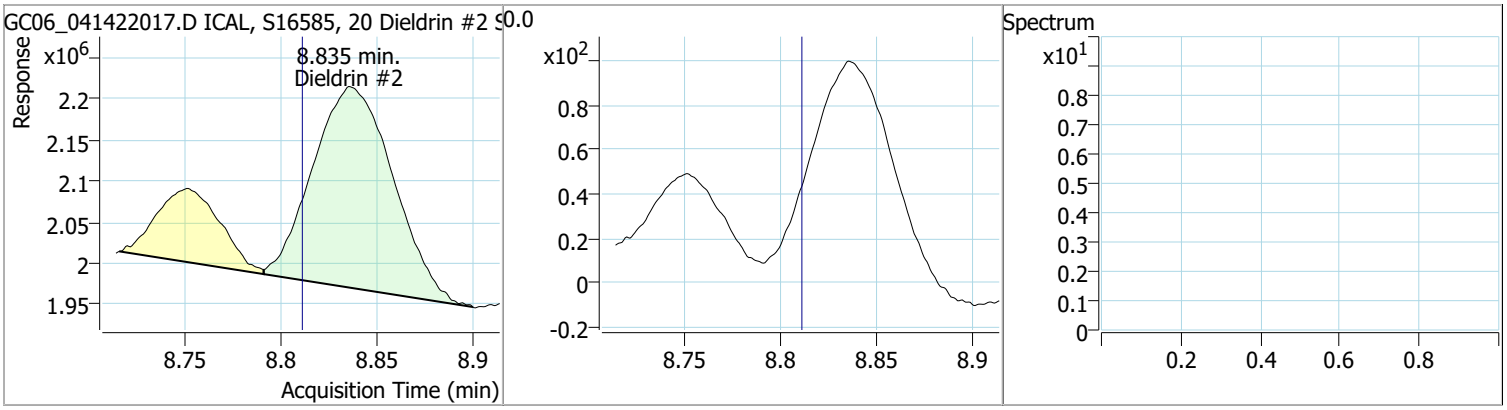
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
4,4'-DDE #2	0.0708	8.38	-0.07	14782		



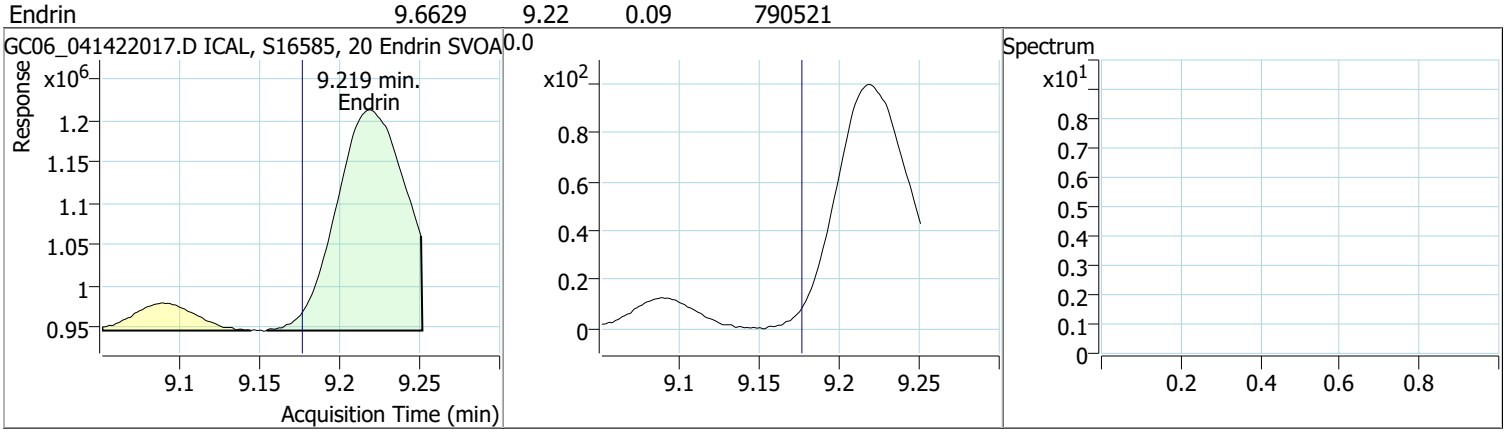
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	7.0403	8.62	-0.01	571239			



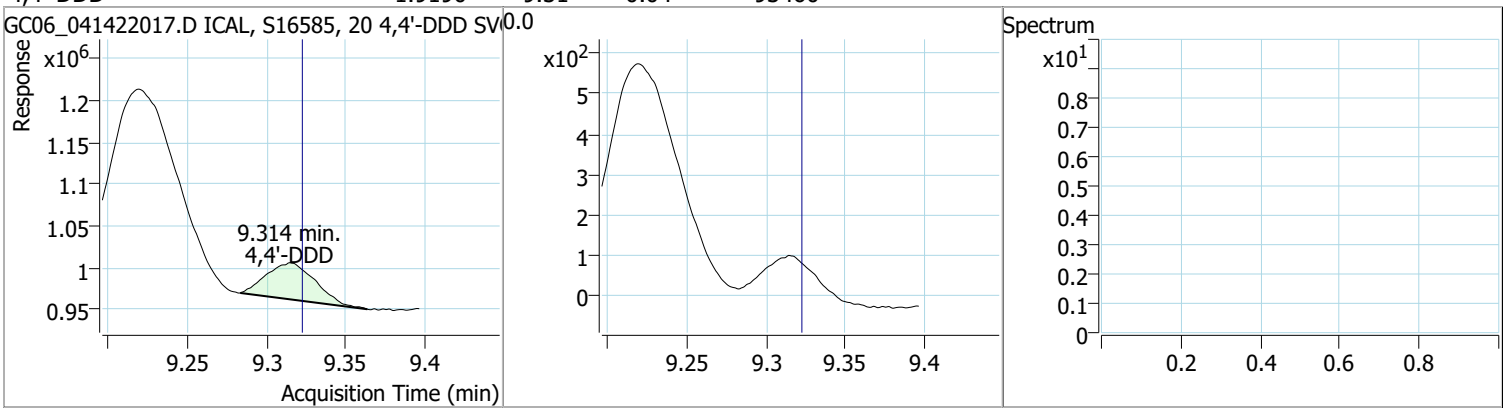
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	2.9149	8.84	0.02	710390			



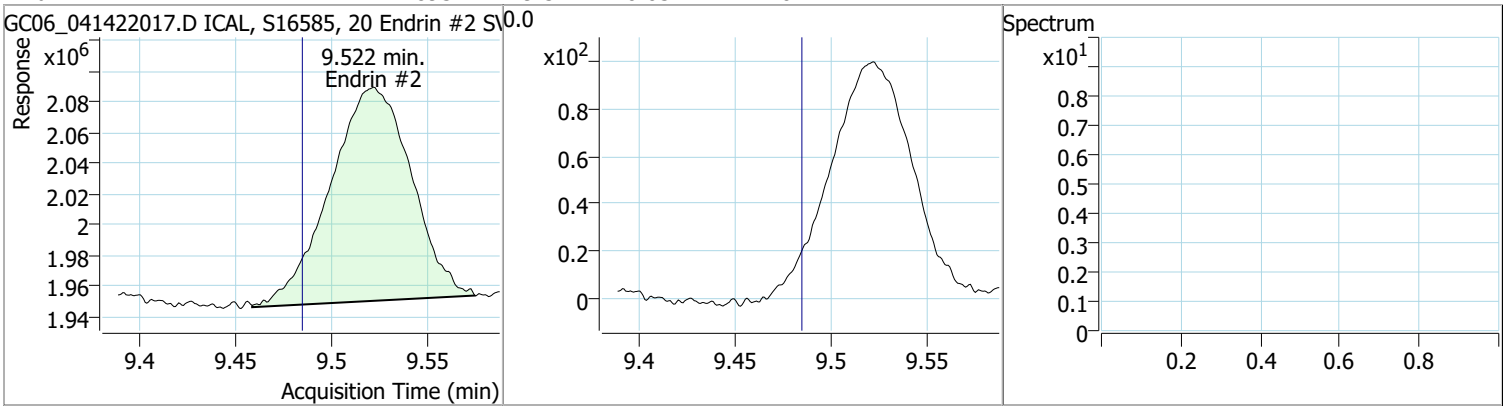
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	9.6629	9.22	0.09	790521			



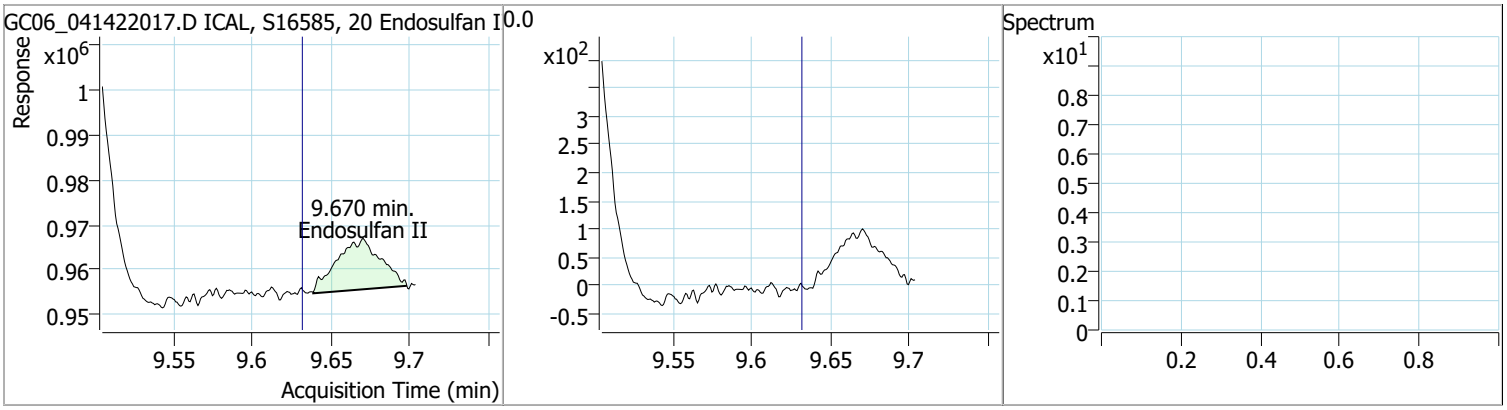
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	1.9190	9.31	0.04	93460			



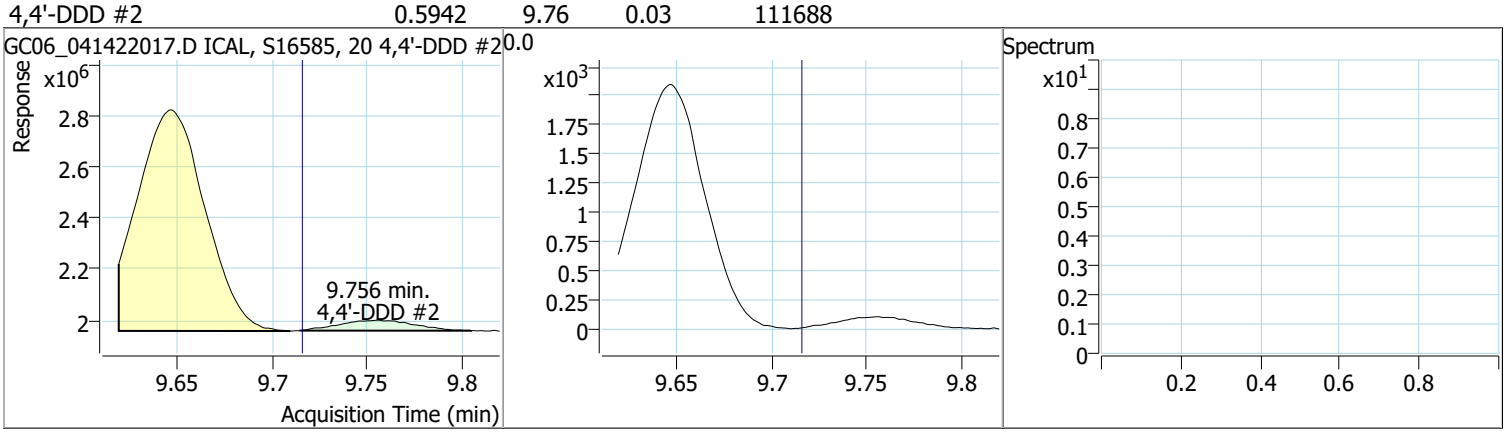
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	1.8932	9.52	0.03	410212			



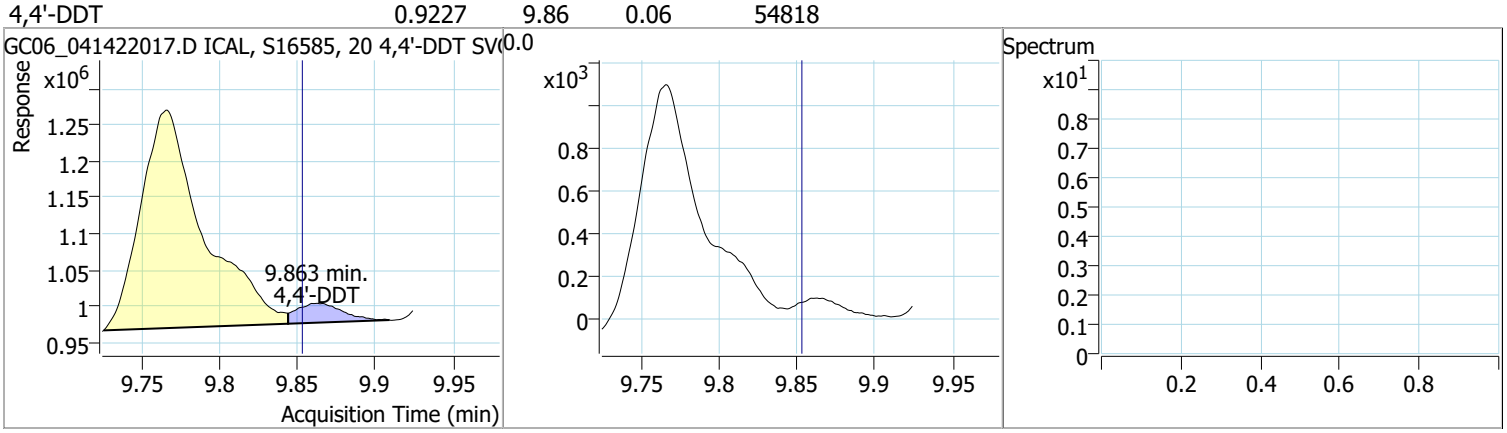
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	0.3393	9.67	0.09	22069			



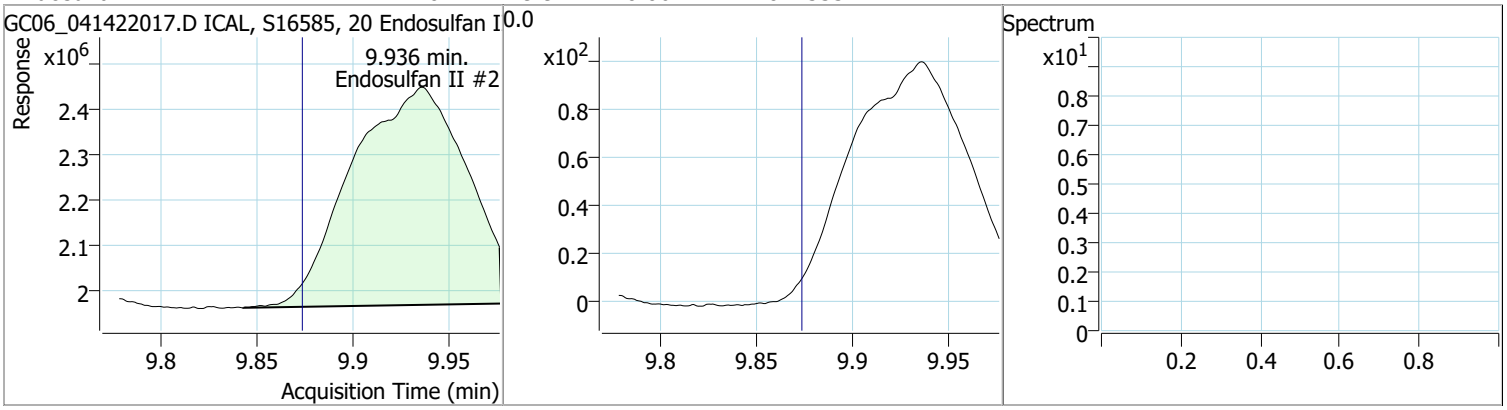
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	0.5942	9.76	0.03	111688			



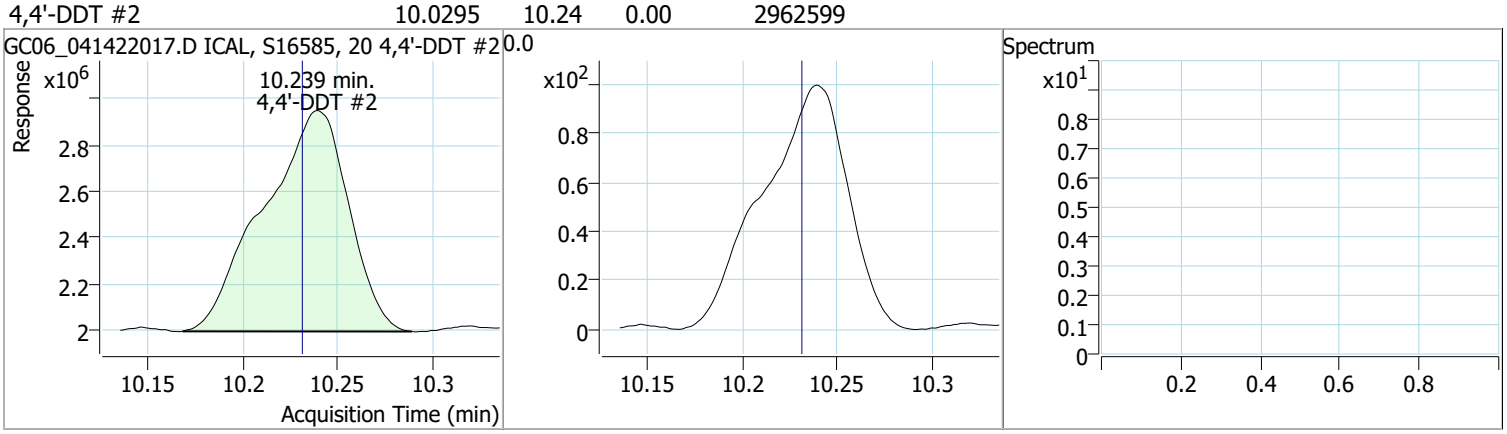
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	0.9227	9.86	0.06	54818			



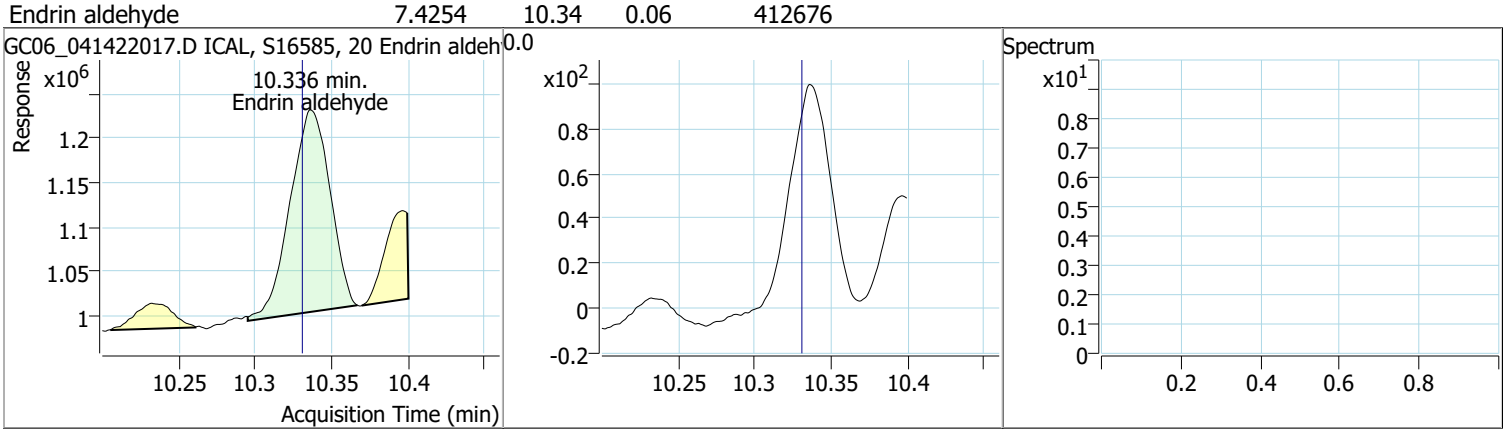
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	7.4014	9.94	0.06	2012533			



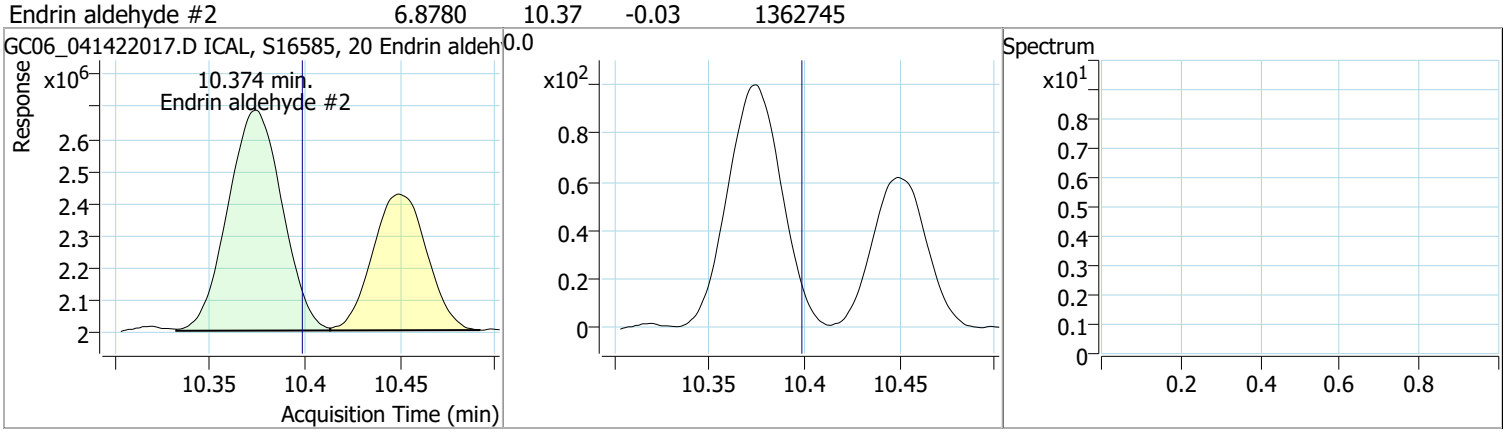
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	10.0295	10.24	0.00	2962599			



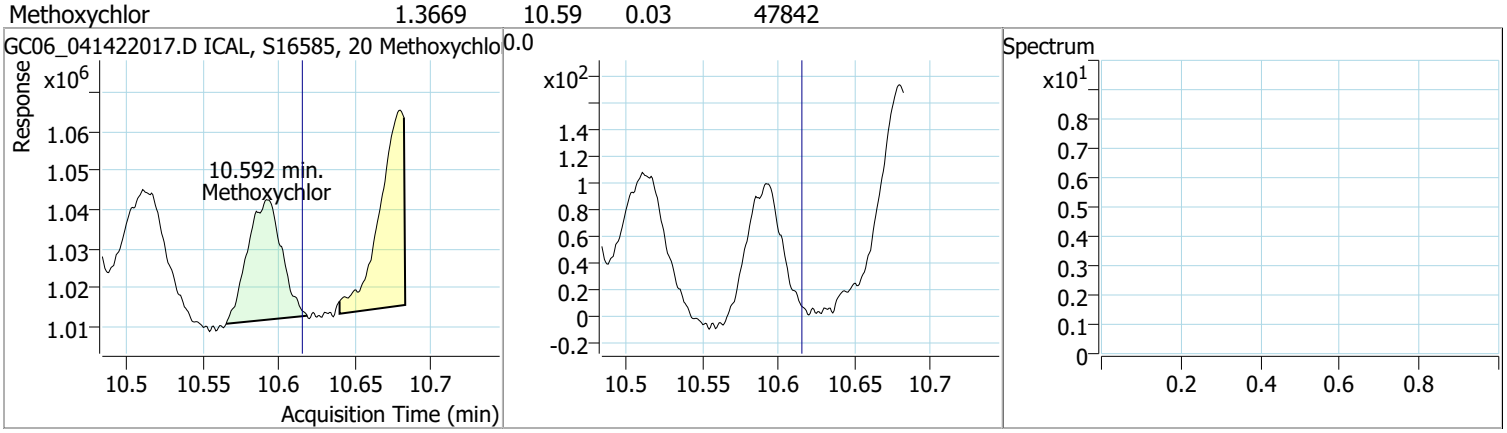
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	7.4254	10.34	0.06	412676			



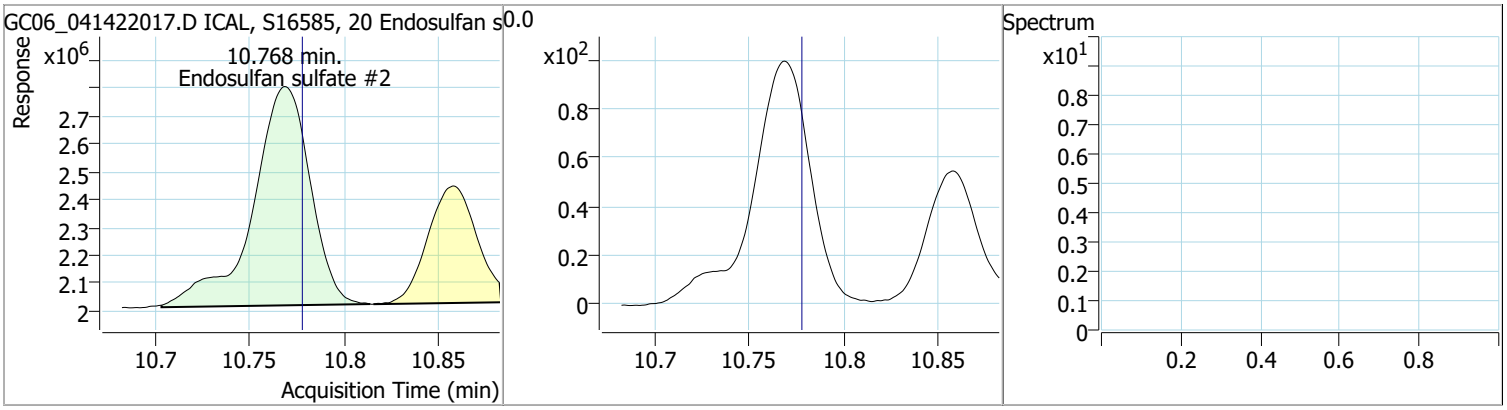
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	6.8780	10.37	-0.03	1362745			



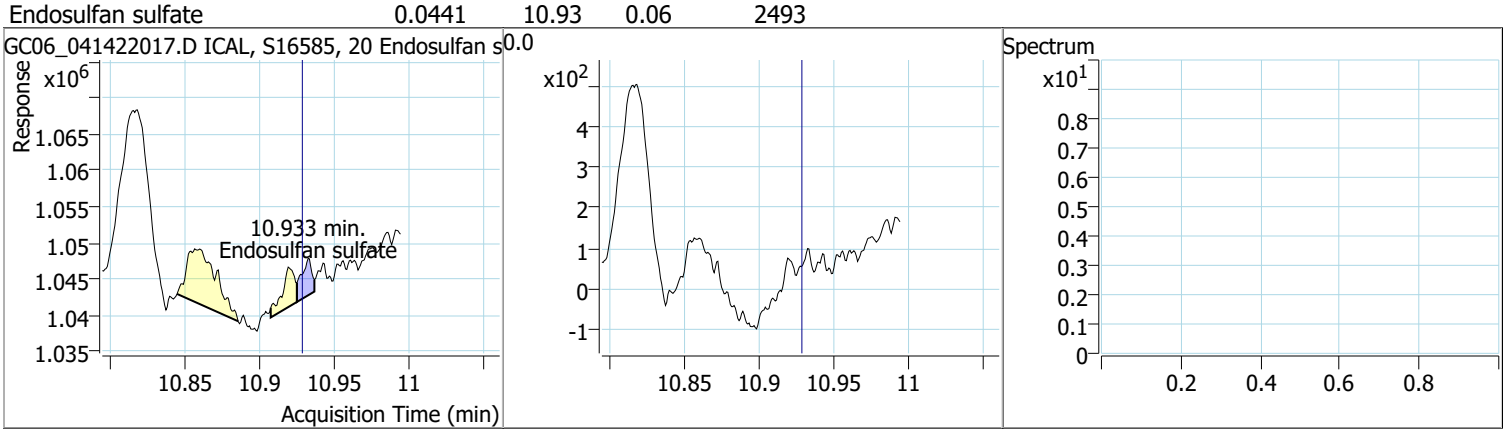
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	1.3669	10.59	0.03	47842			



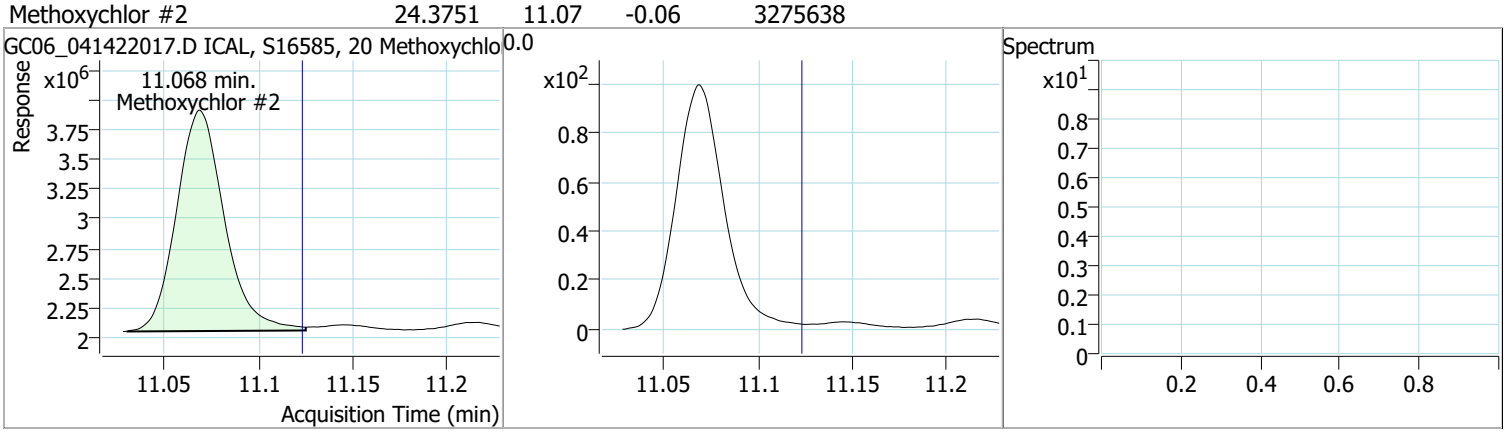
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	7.2755	10.77	-0.02	1662139			



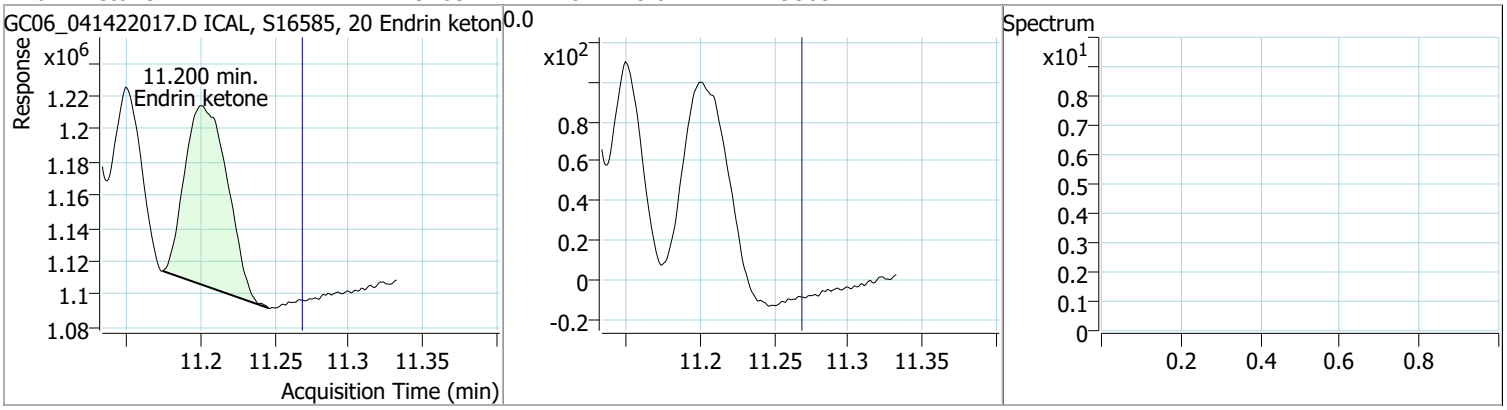
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	0.0441	10.93	0.06	2493			



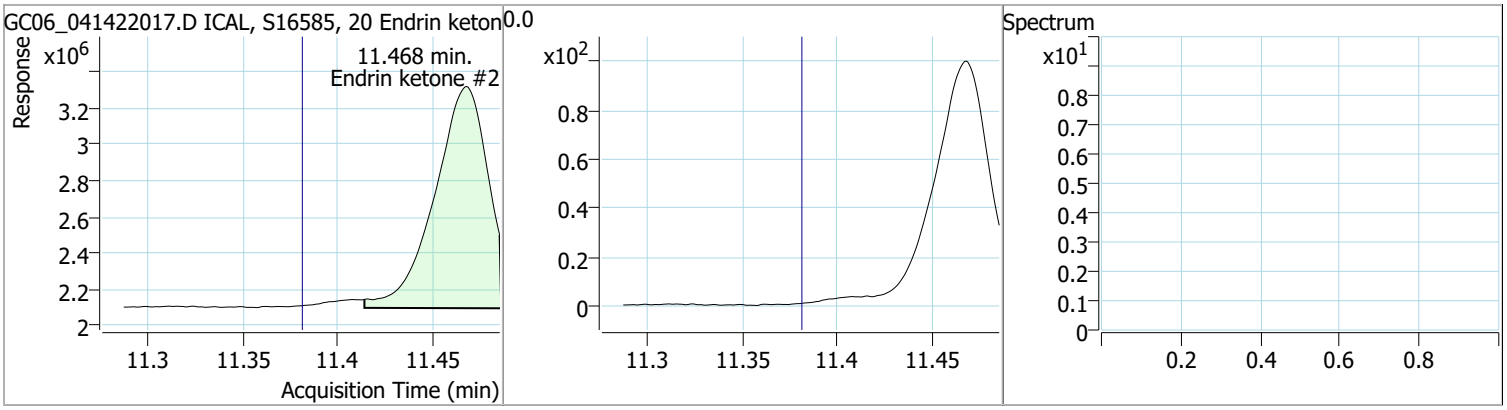
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	24.3751	11.07	-0.06	3275638			



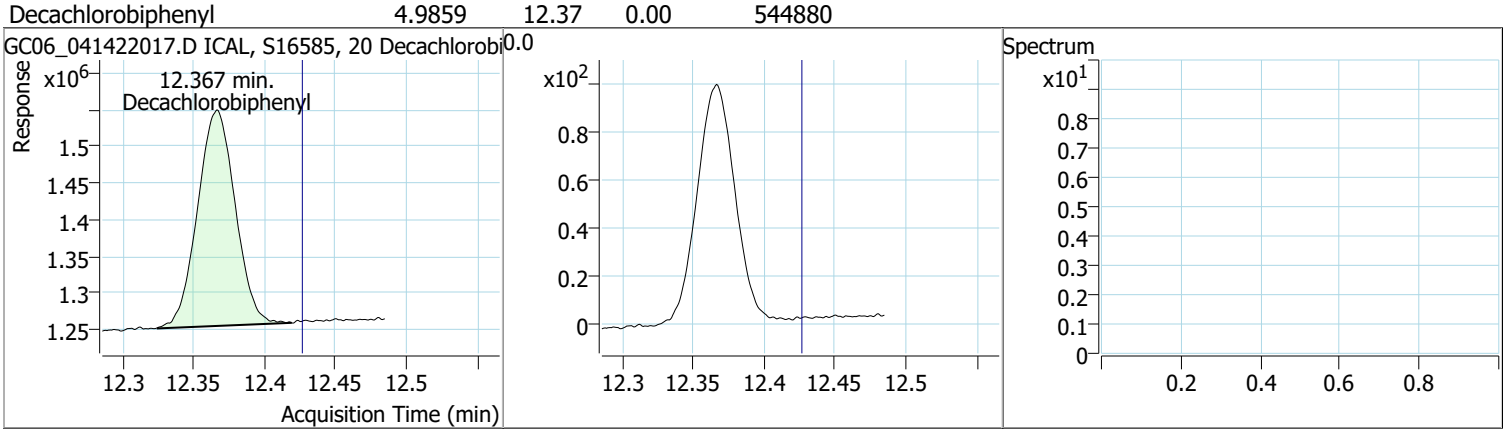
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	2.9203	11.20	-0.01	219505		



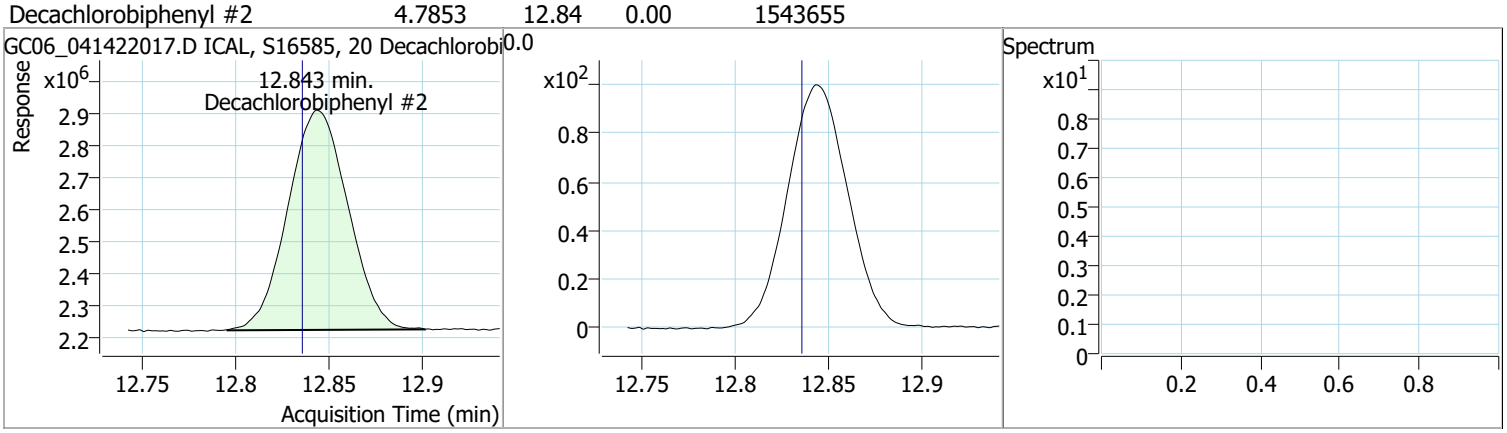
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	7.9882	11.47	0.08	2374924		



Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	4.9859	12.37	0.00	544880		

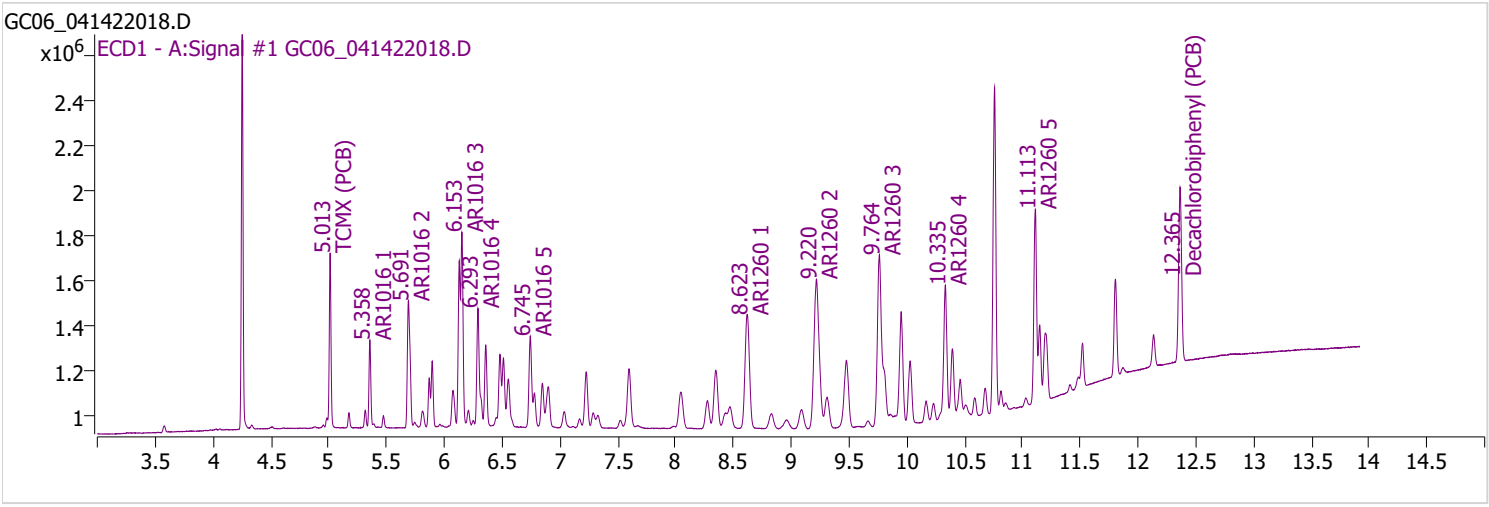


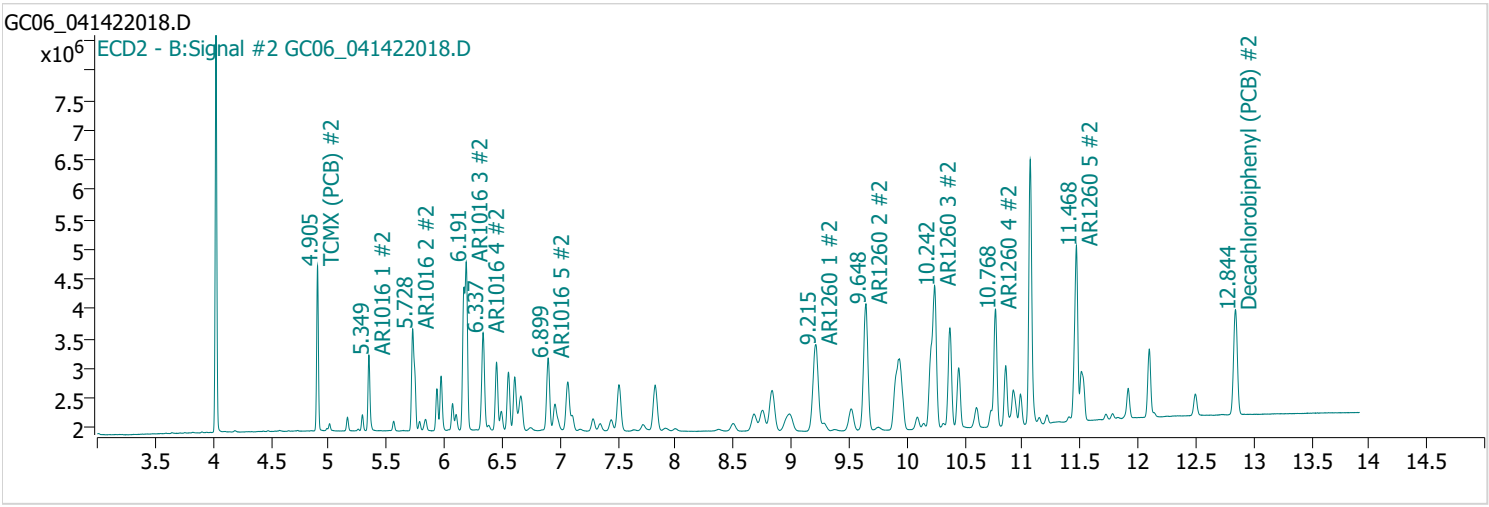
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	4.7853	12.84	0.00	1543655		



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422018.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:33:59 PM
Sample Name	ICAL, S16585, 8	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 114	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



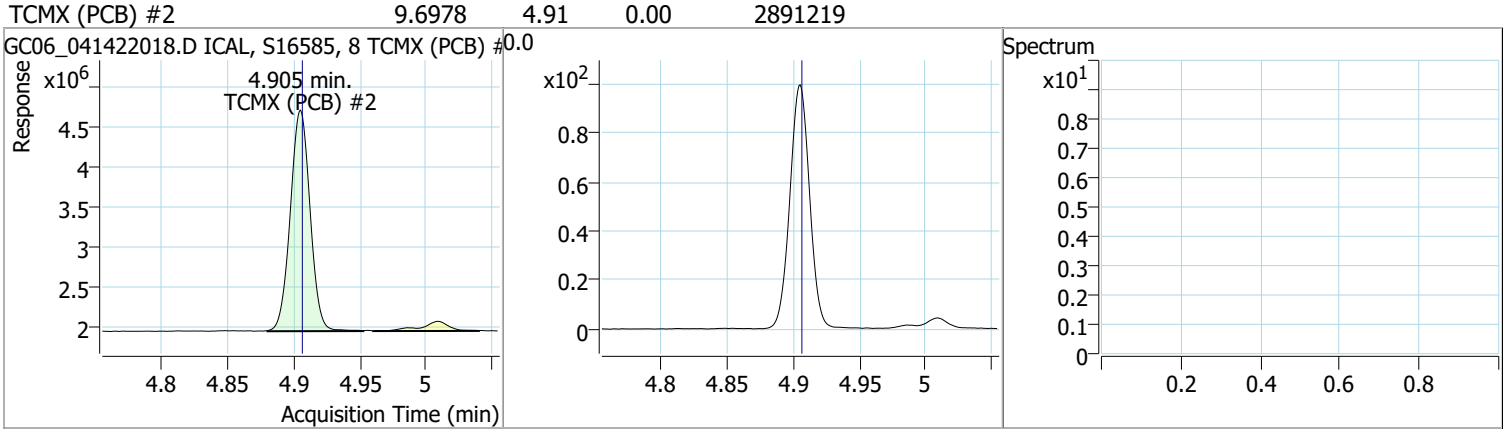


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.253	4.027	1820556	6508941	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.013	4.905	813524	2891219	9.290	9.698	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	46.45% *	48.49% *	
S Decachlorobiphenyl (PCB)	12.365	12.844	1430102	4047244	10.331	10.305	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	51.66%	51.52%	
Target Compounds							
T AR1016 1	5.358	5.349	457924	1557601	257.142	255.536	ng/ml
T AR1016 2	5.691	5.728	935259	3226343	241.201	255.057	ng/ml
T AR1016 3	6.153	6.191	1142128	4149358 m	250.277	248.730	ng/ml
T AR1016 4	6.293	6.337	848628	2863787	248.499	253.035	ng/ml
T AR1016 5	6.745	6.899	654329	2208069	247.696	249.541	ng/ml
T AR1260 1	8.623	9.215	1377678	4761062 m	240.459	241.679	ng/ml
T AR1260 2	9.220	9.648	2113917	5557383	239.550	244.145	ng/ml
T AR1260 3	9.764	10.242	2170500	7428428	236.600	240.203	ng/ml
T AR1260 4	10.335	10.768	1089495	4107005	238.800	245.423	ng/ml

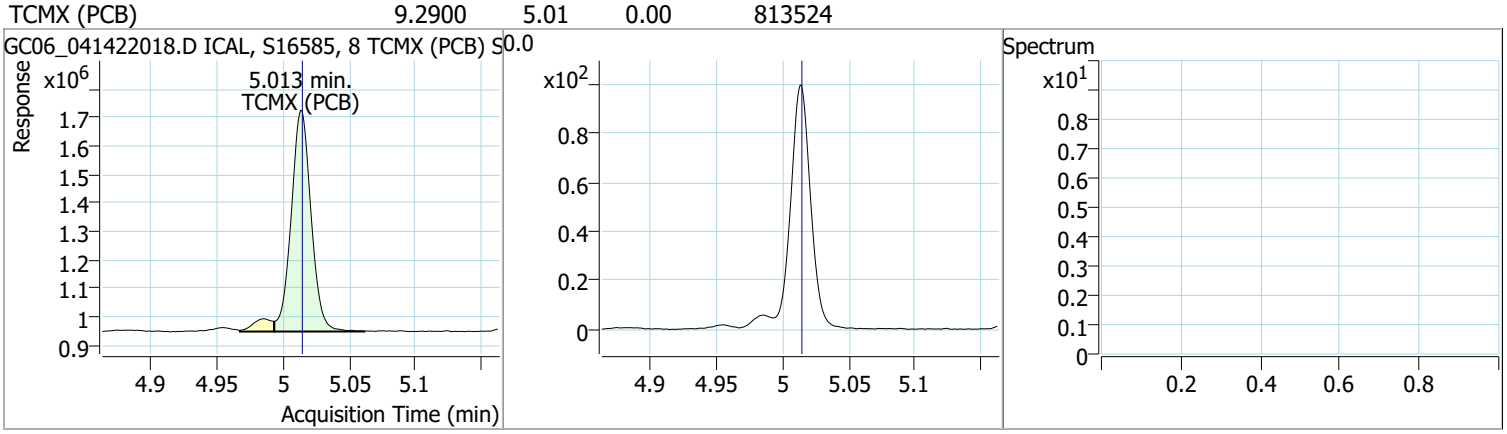
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.113	11.468	1425557	5858491	236.080	237.454	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

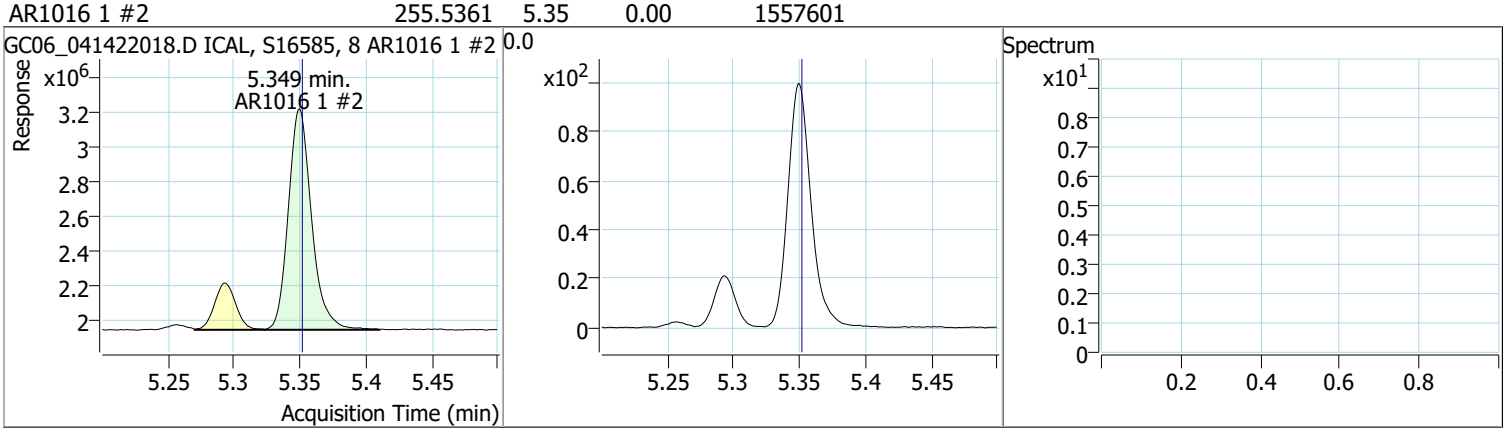
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	9.6978	4.91	0.00	2891219			



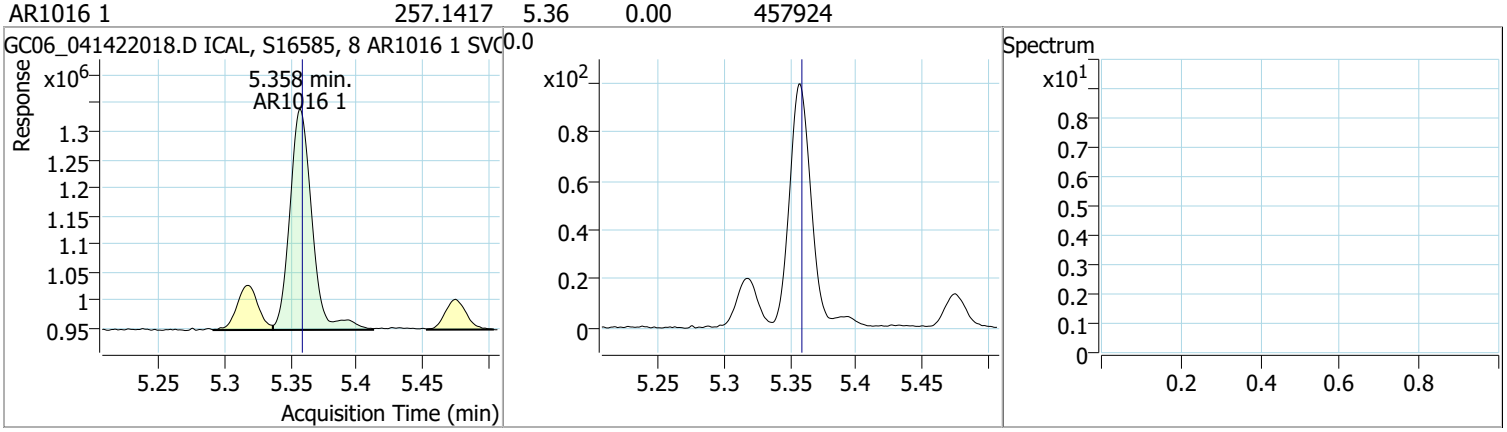
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	9.2900	5.01	0.00	813524			



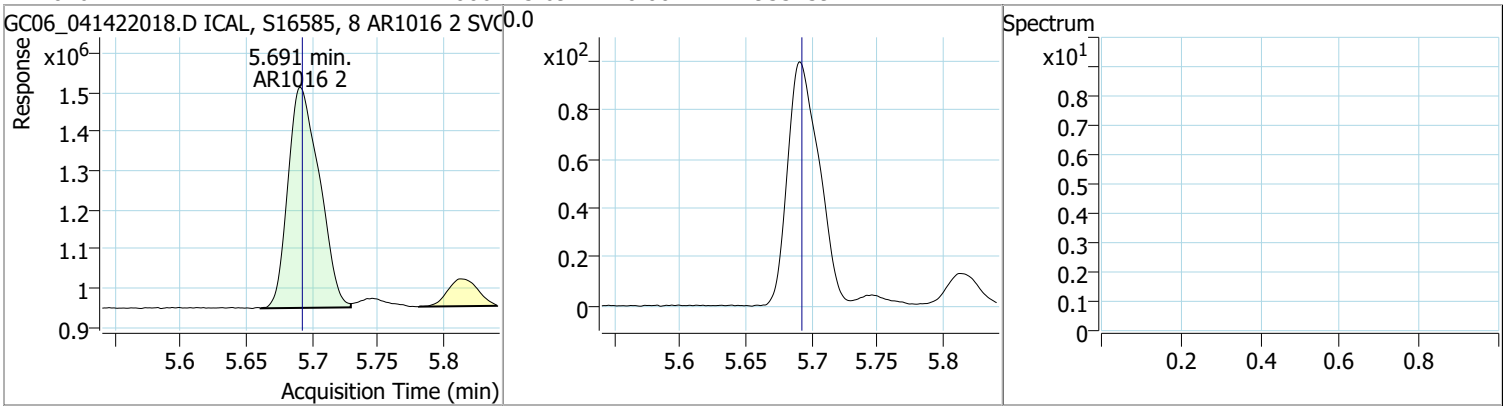
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	255.5361	5.35	0.00	1557601			



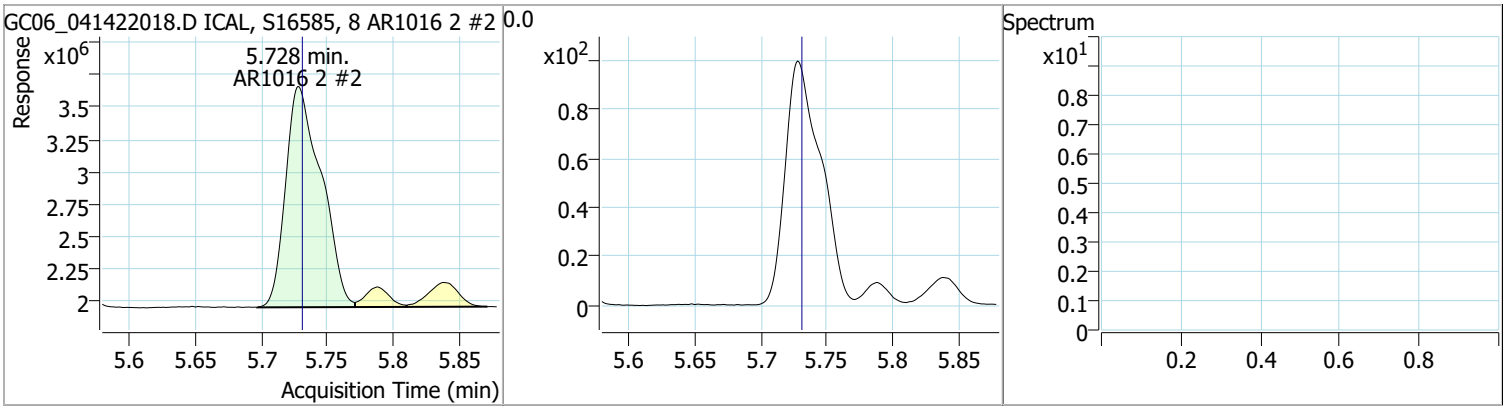
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	257.1417	5.36	0.00	457924			



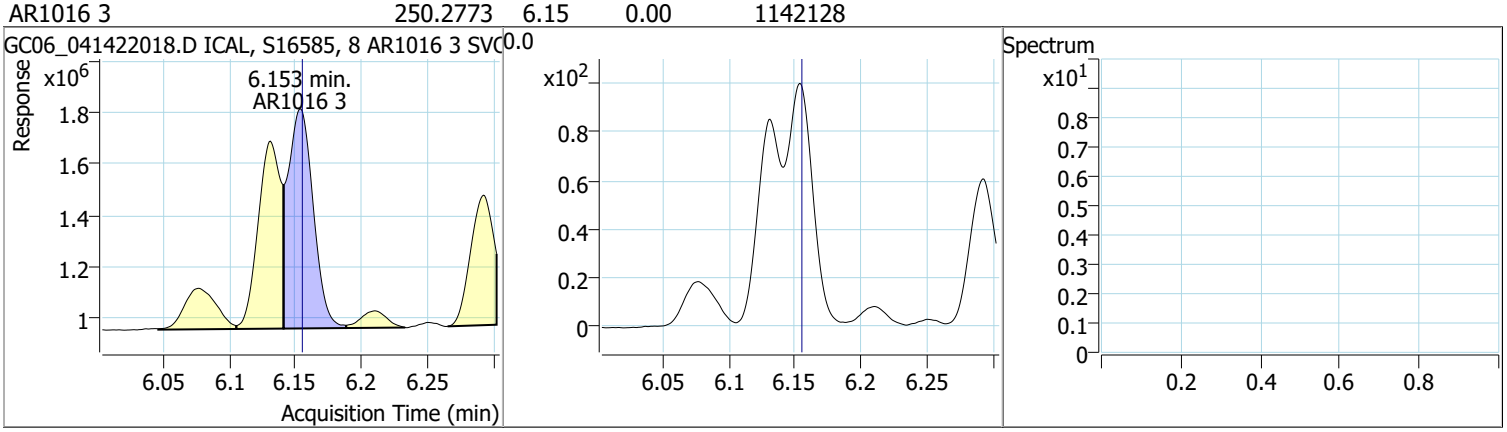
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	241.2006	5.69	0.00	935259			



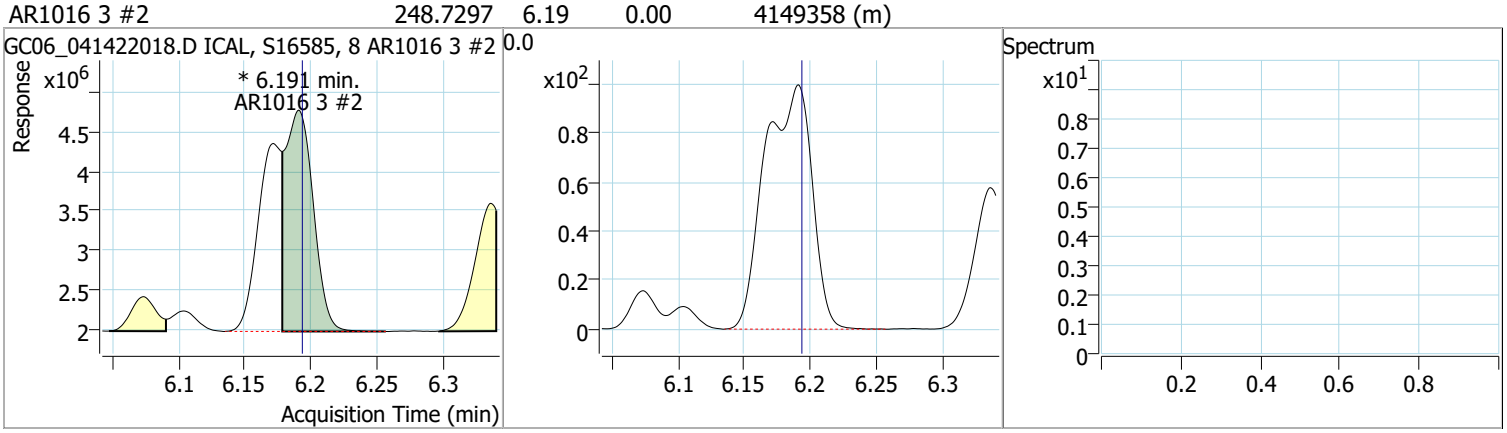
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	255.0565	5.73	0.00	3226343			



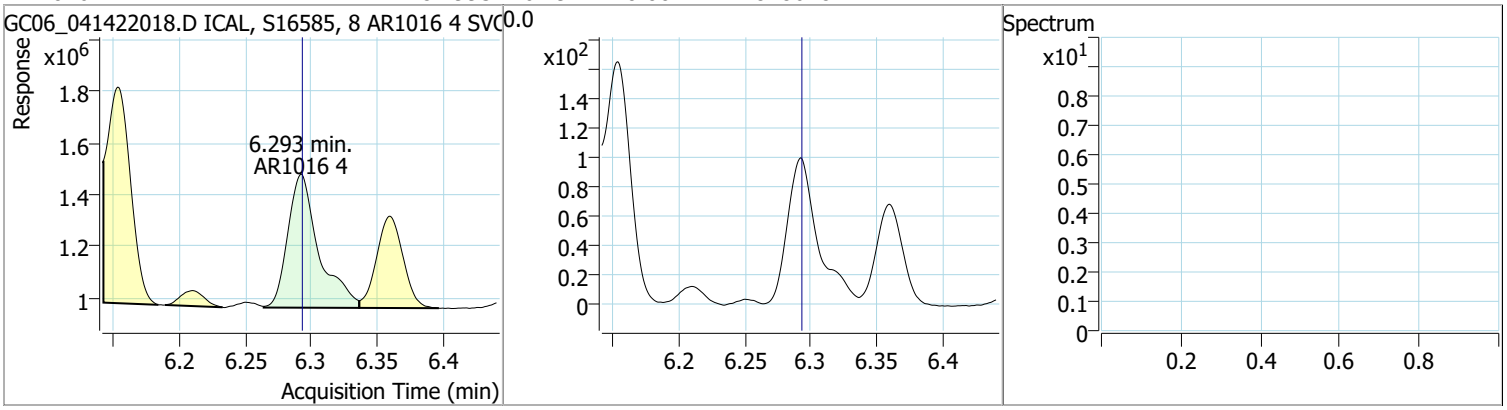
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	250.2773	6.15	0.00	1142128			



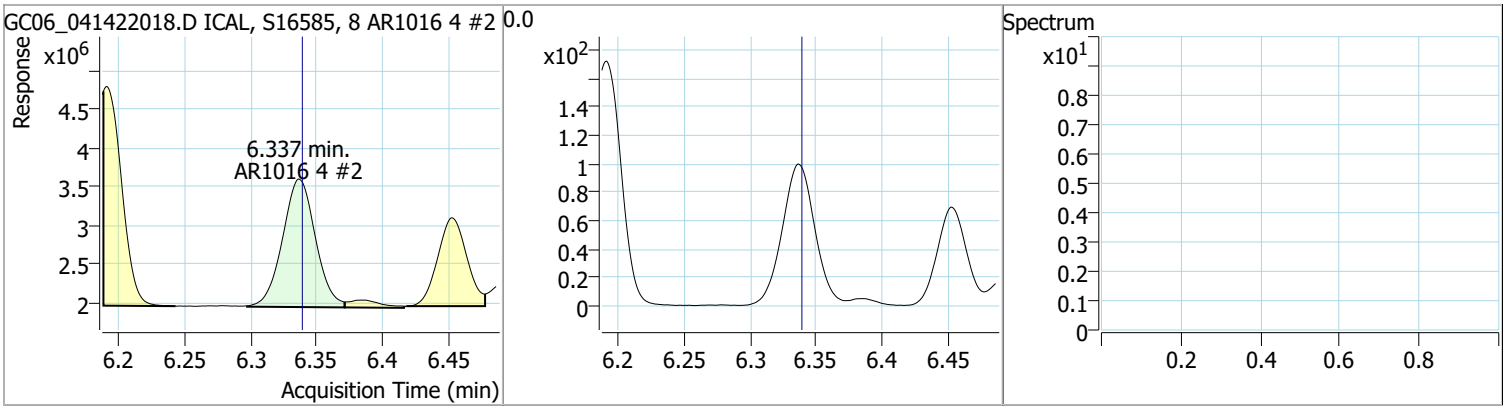
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	248.7297	6.19	0.00	4149358 (m)			



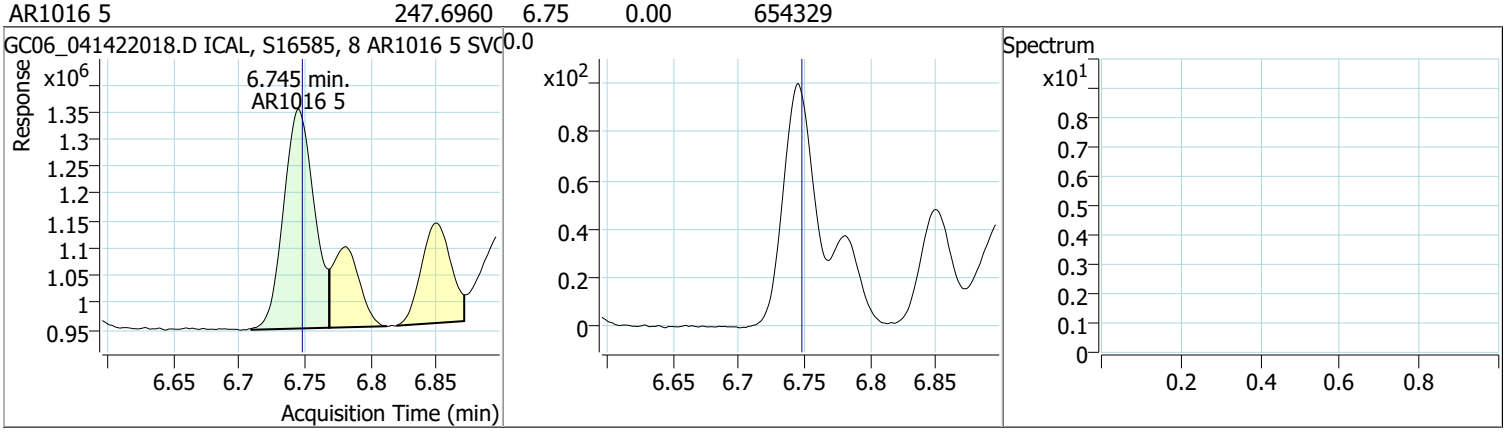
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	248.4995	6.29	0.00	848628			



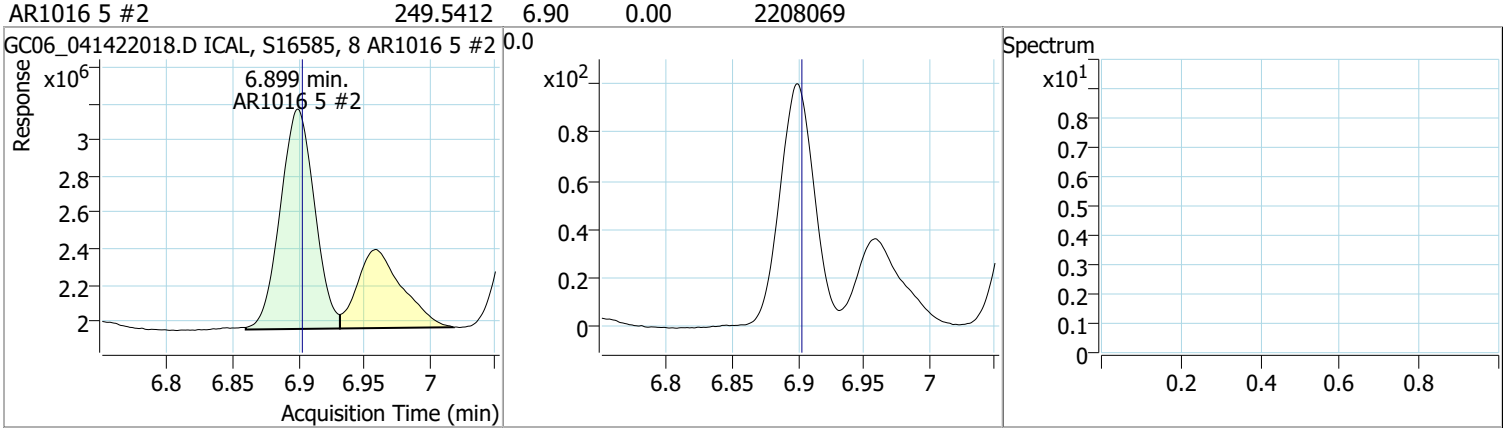
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	253.0345	6.34	0.00	2863787			



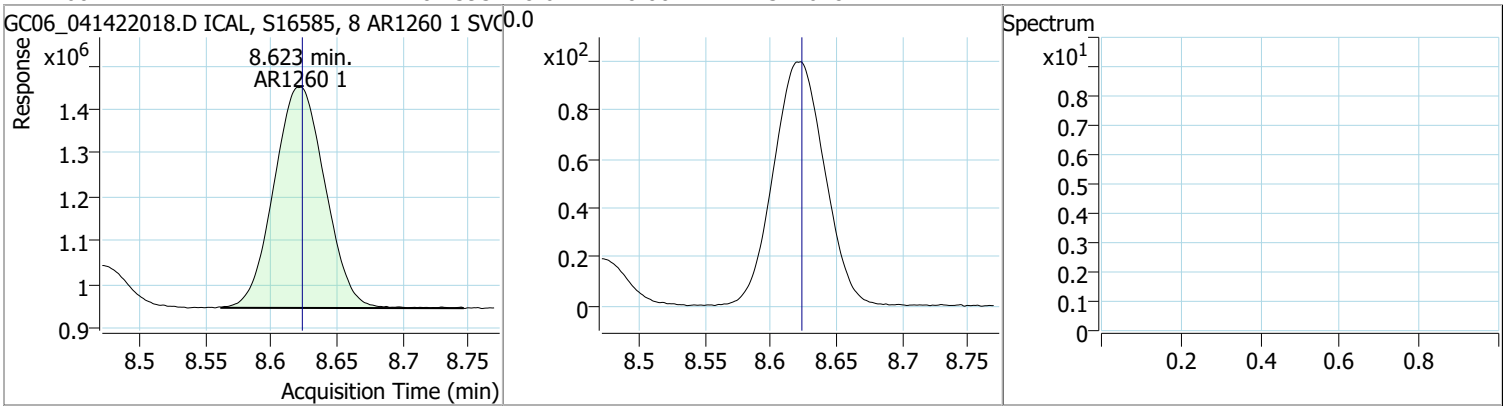
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	247.6960	6.75	0.00	654329			



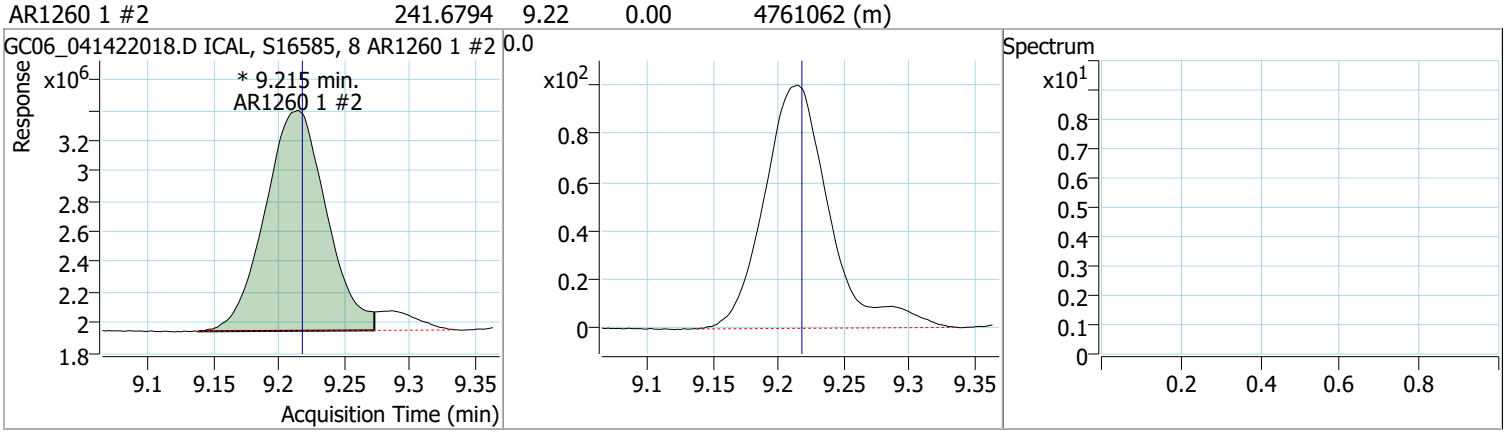
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	249.5412	6.90	0.00	2208069			



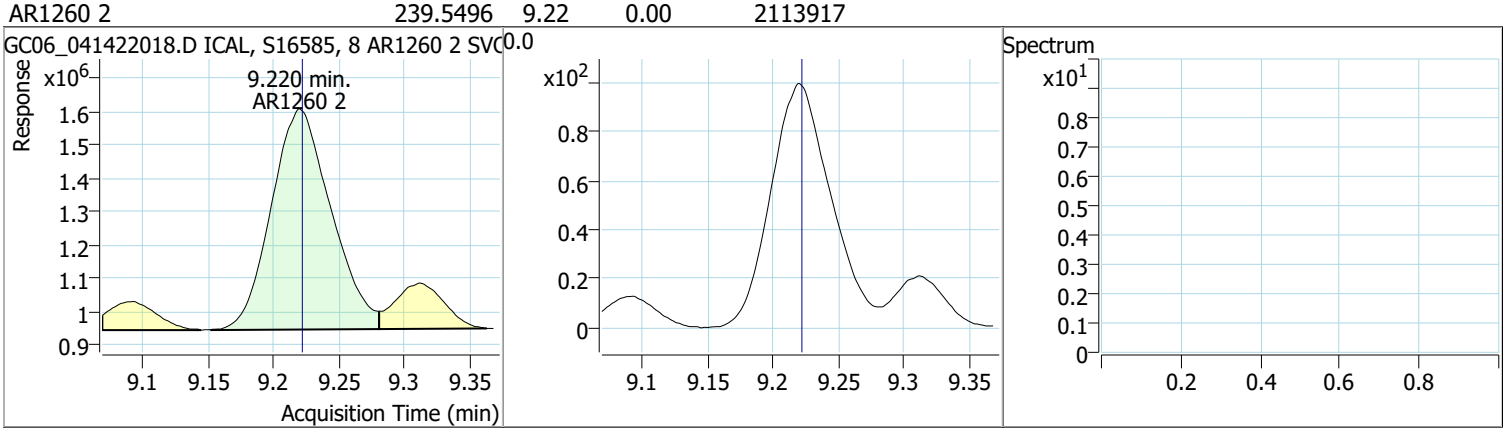
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	240.4595	8.62	0.00	1377678			



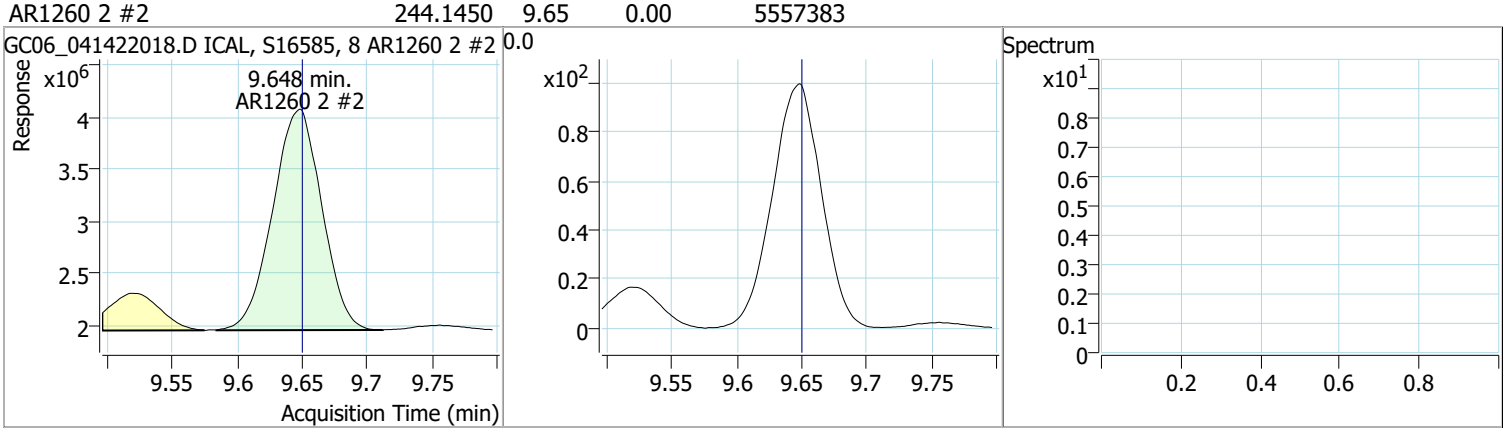
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	241.6794	9.22	0.00	4761062 (m)			



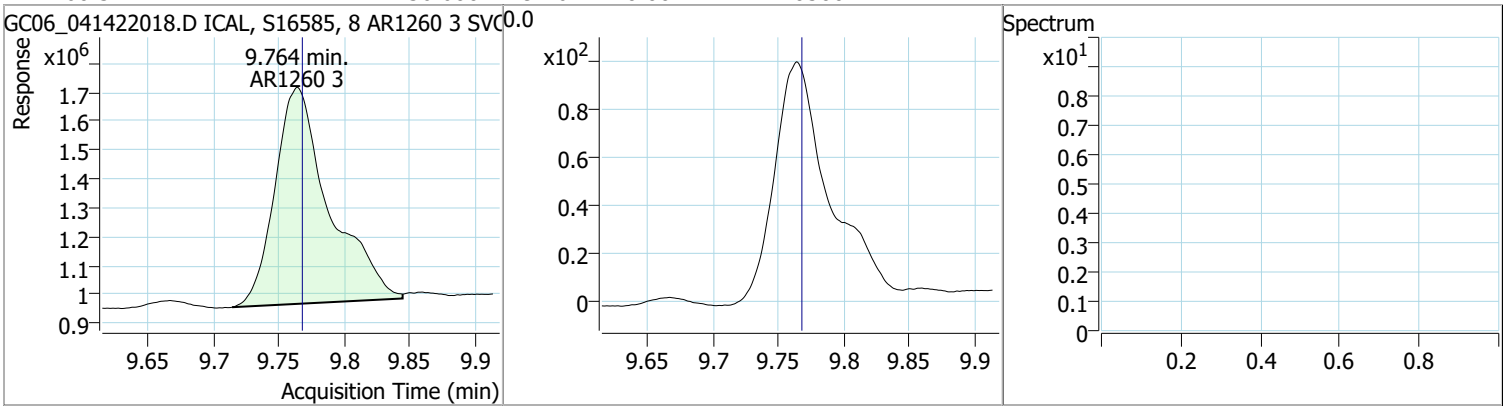
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	239.5496	9.22	0.00	2113917			



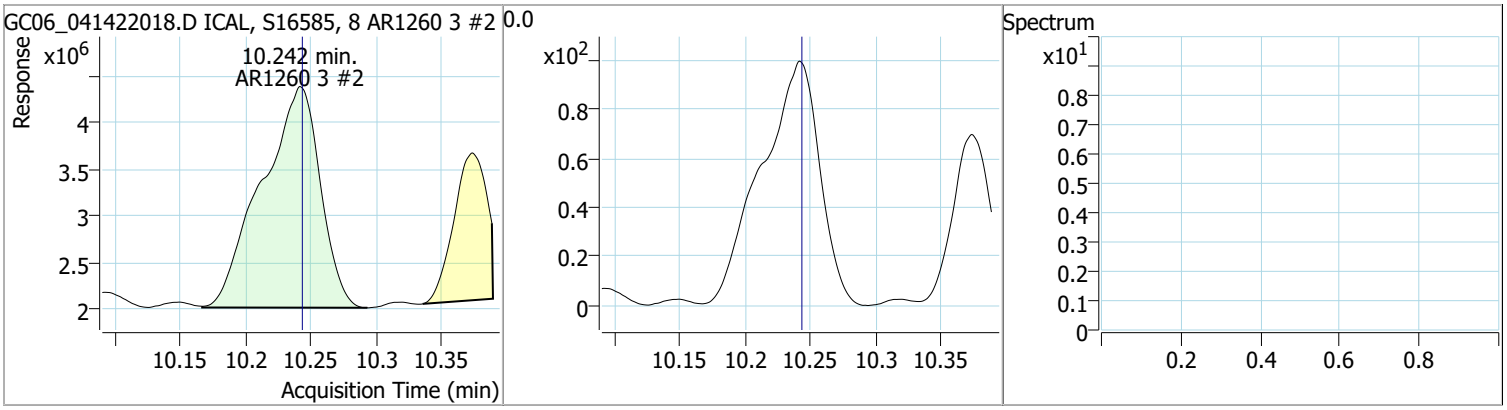
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	244.1450	9.65	0.00	5557383			



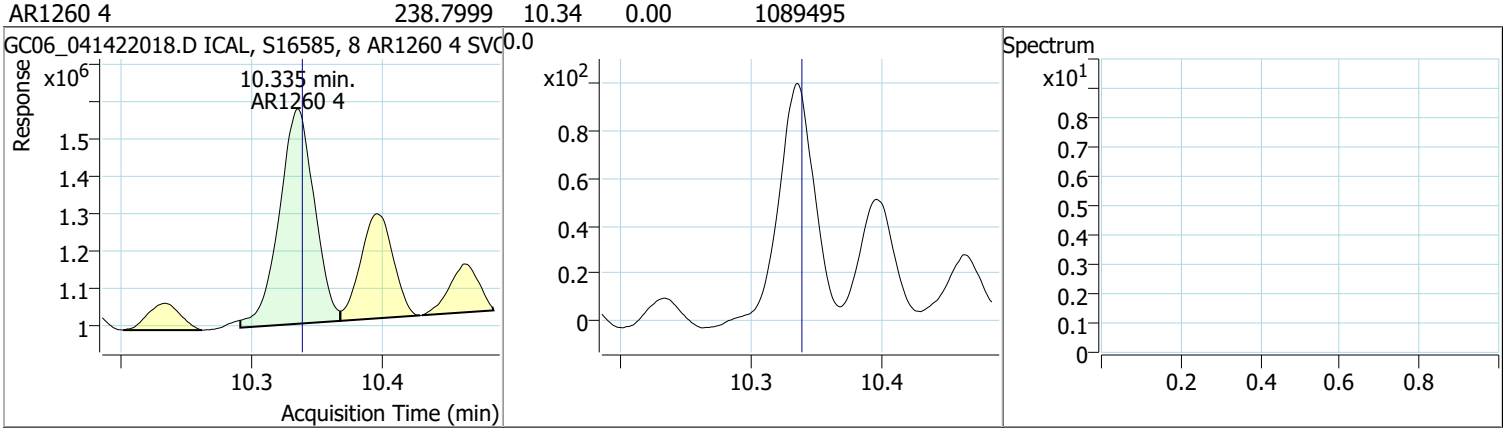
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	236.6001	9.76	0.00	2170500			



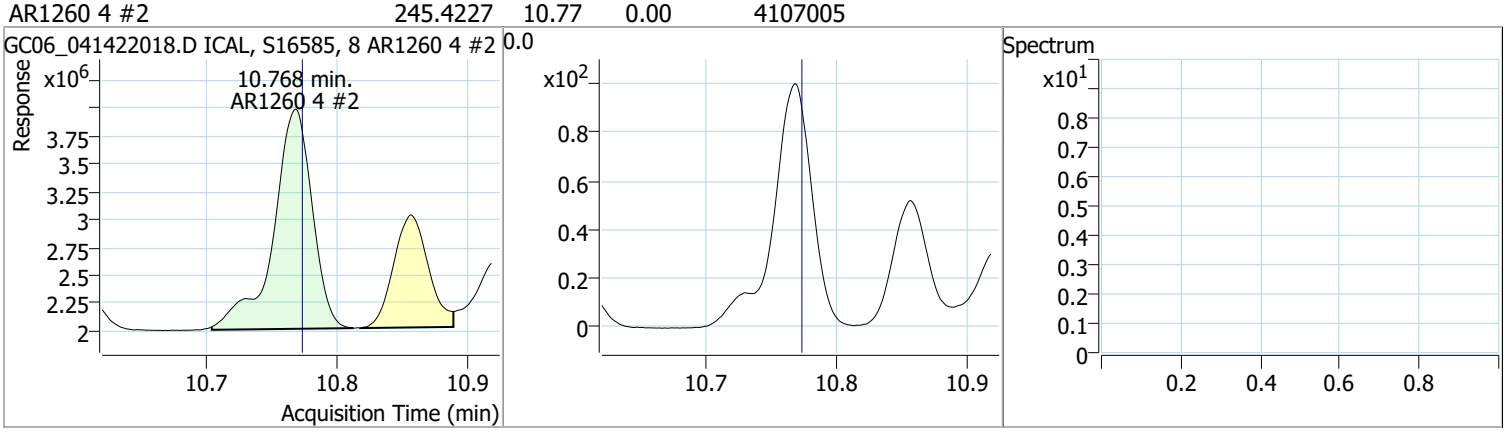
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	240.2026	10.24	0.00	7428428			



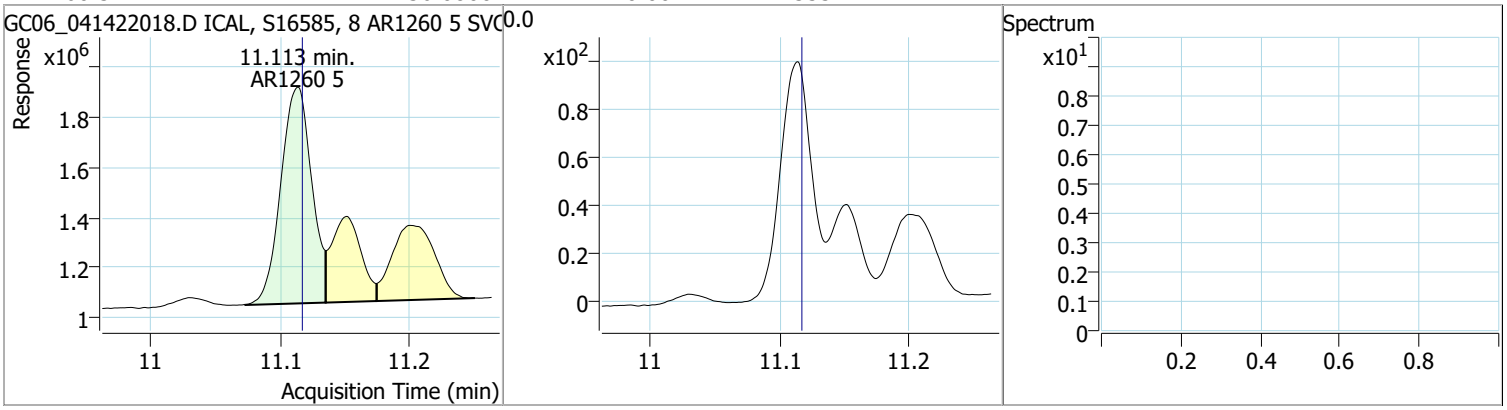
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	238.7999	10.34	0.00	1089495			



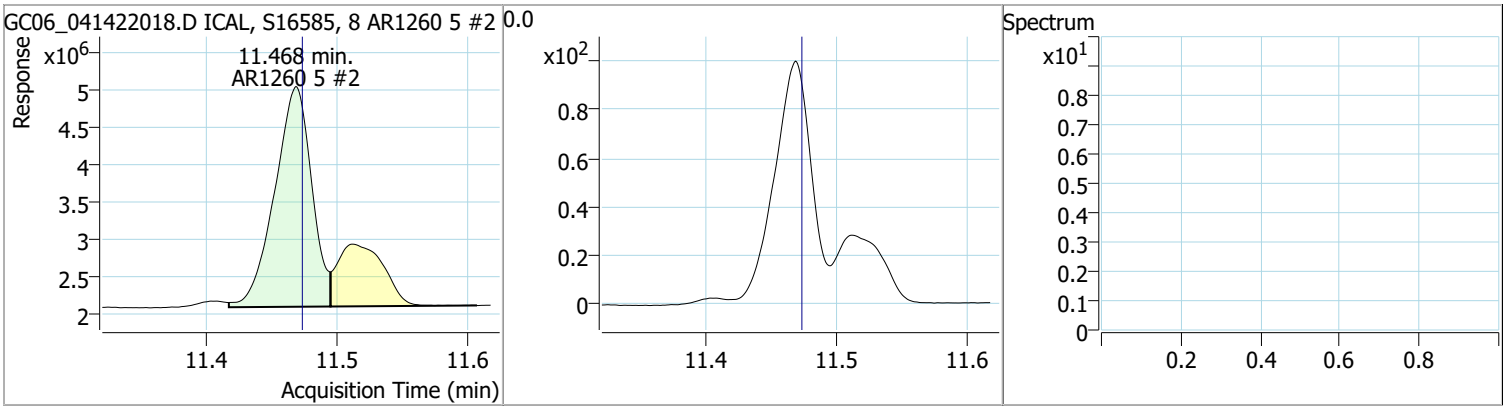
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	245.4227	10.77	0.00	4107005			



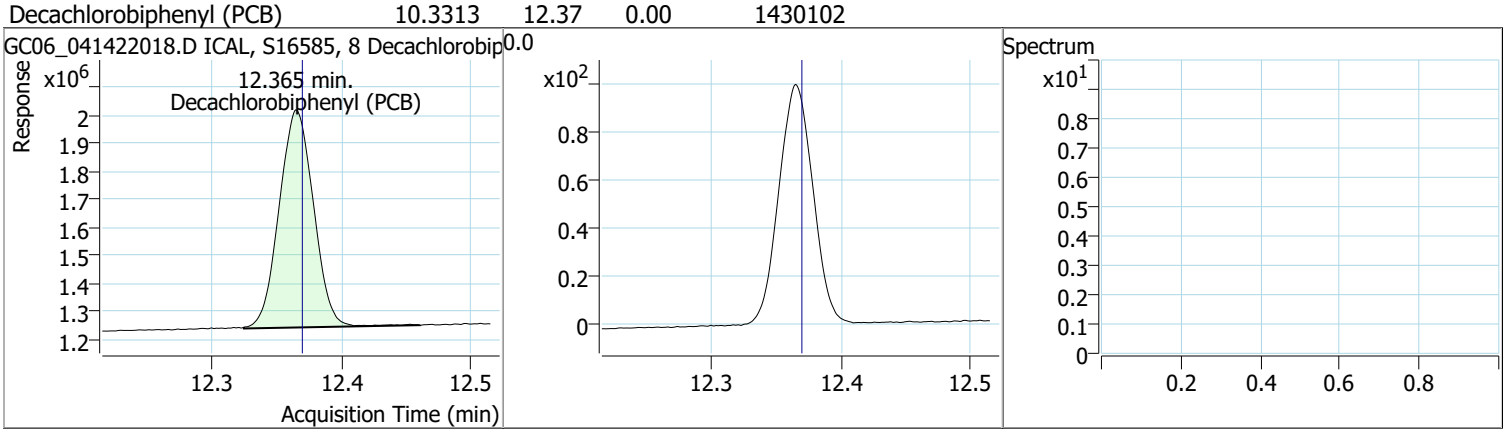
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	236.0800	11.11	0.00	1425557			



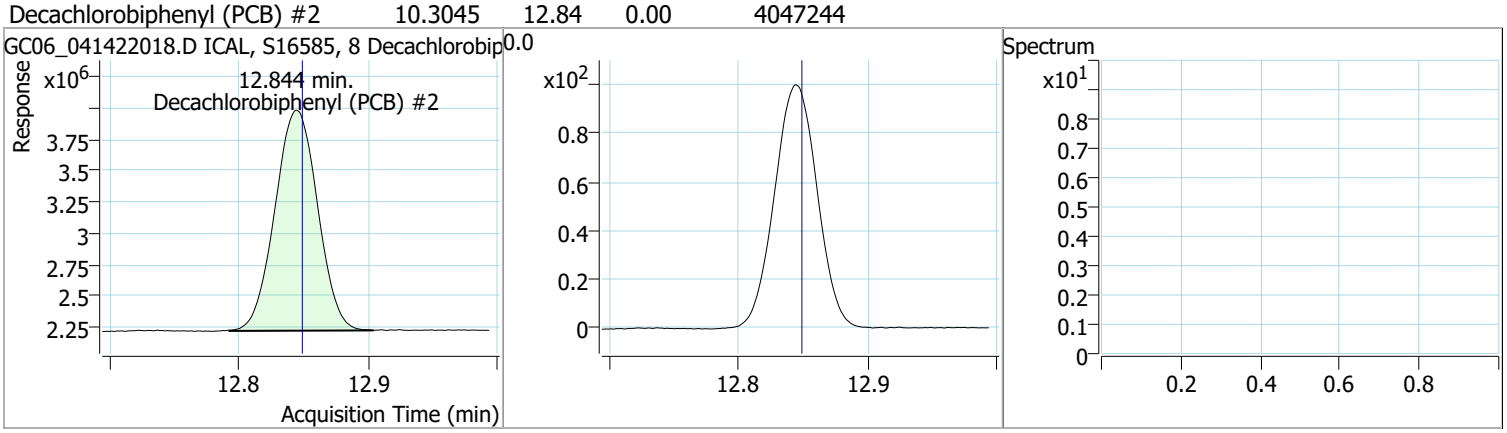
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	237.4541	11.47	0.00	5858491			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	10.3313	12.37	0.00	1430102			

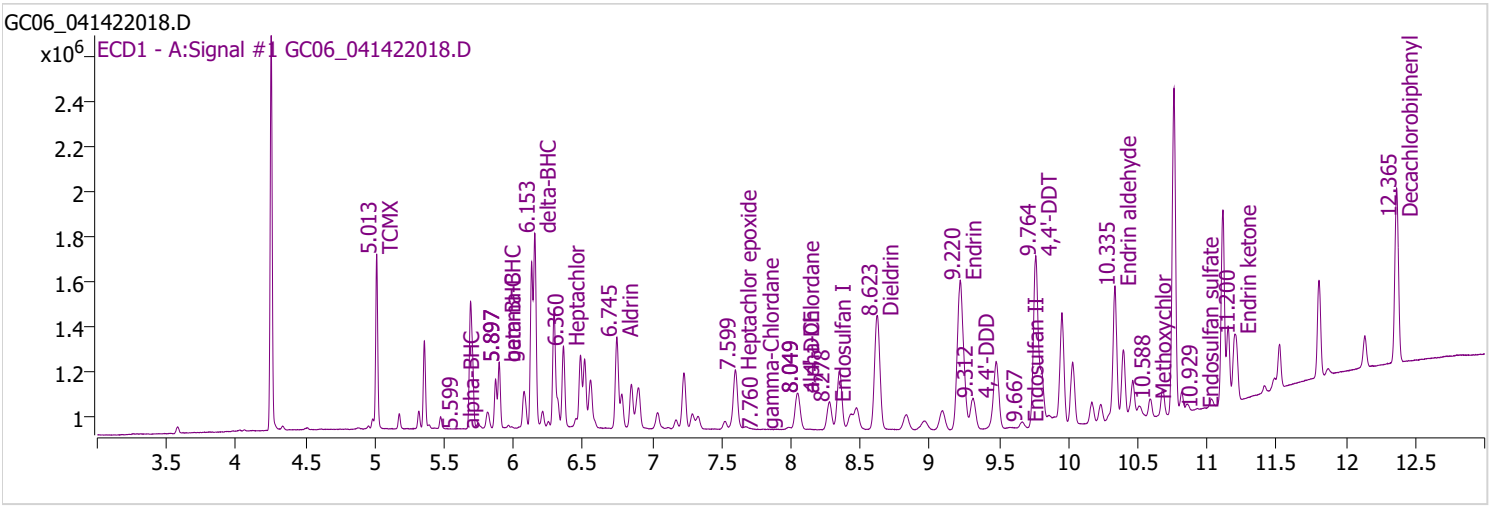


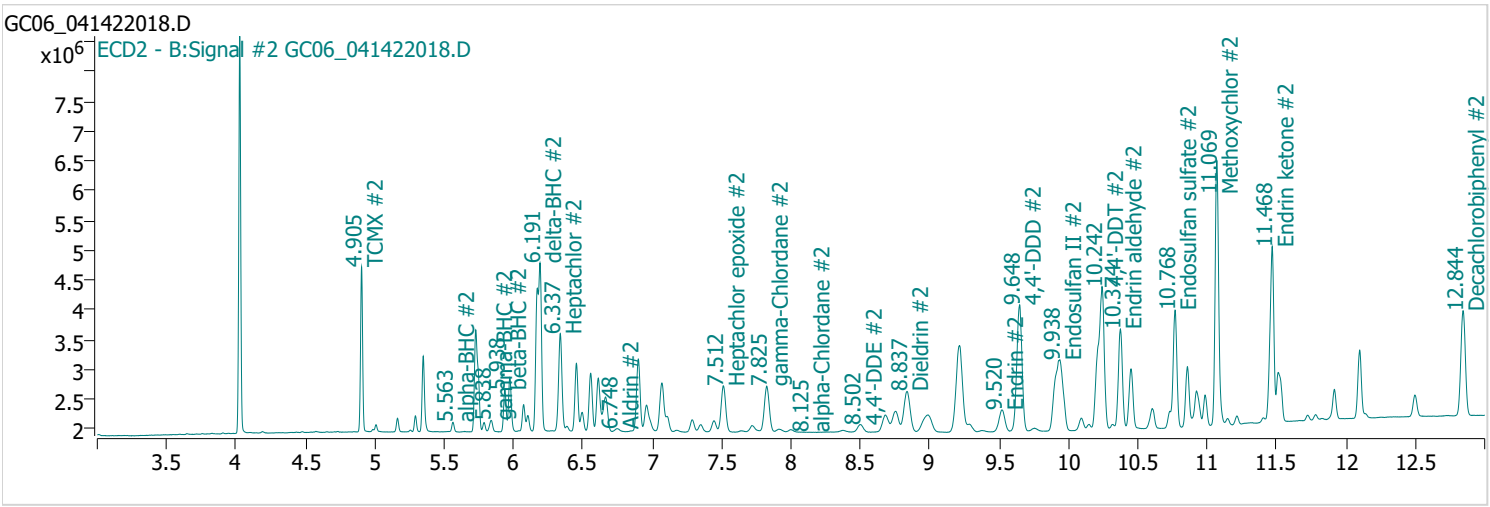
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	10.3045	12.84	0.00	4047244			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422018.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:33:59 PM
Sample Name	ICAL, S16585, 8	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 114	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 7:48:13 PM



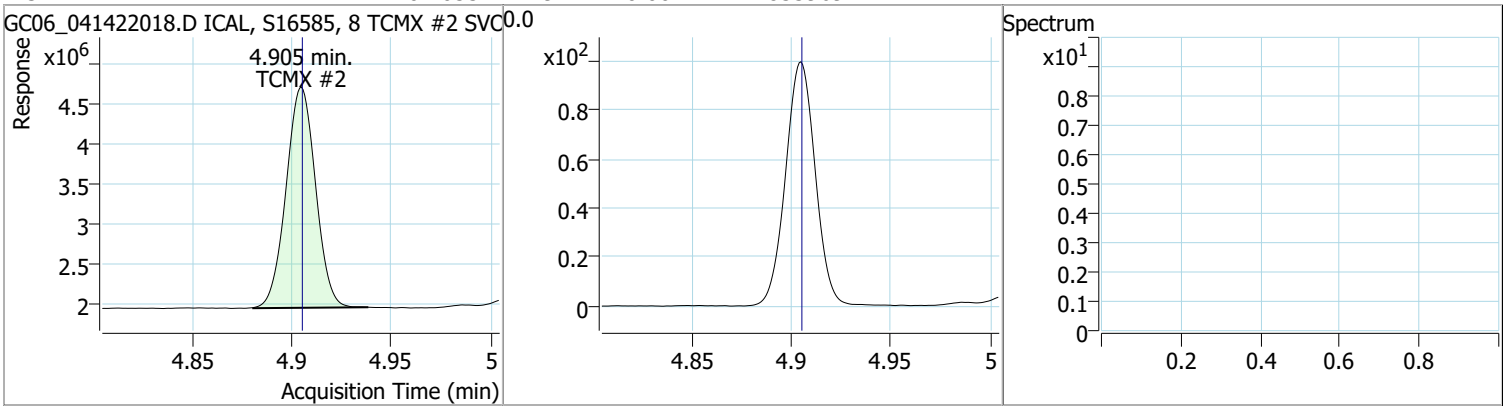


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.253	4.027	1810417	6499905	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.013	4.905	811346	2853969	9.746	10.206	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	48.73% *	51.03%	
S Decachlorobiphenyl	12.365	12.844	1415434	4046605	11.288	11.006	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	56.44%	55.03%	
Target Compounds							
T alpha-BHC	5.599	5.563 f	2285	173751	0.032	0.648 #	ng/ml
T gamma-BHC	5.897	5.838	352956	272025	4.384	1.003 #	ng/ml
T beta-BHC	5.897	5.938	353220	900456	8.858	5.866 #	ng/ml
T delta-BHC	6.153	6.191	1121361	7054070	10.720	14.459 #	ng/ml
T Heptachlor	6.360	6.337	440891	2815494	5.236	8.001 #	ng/ml
T Aldrin	6.745	6.748	654490	109610	7.342	0.384 #	ng/ml
T Heptachlor epoxide	7.599	7.512	560065	1627819	6.496	5.561	ng/ml
T gamma-Chlordane	7.760	7.825	651	1822297	0.009	5.746 #	ng/ml
T alpha-Chlordane	8.049	8.125	258648	870	3.630	0.004 #	ng/ml

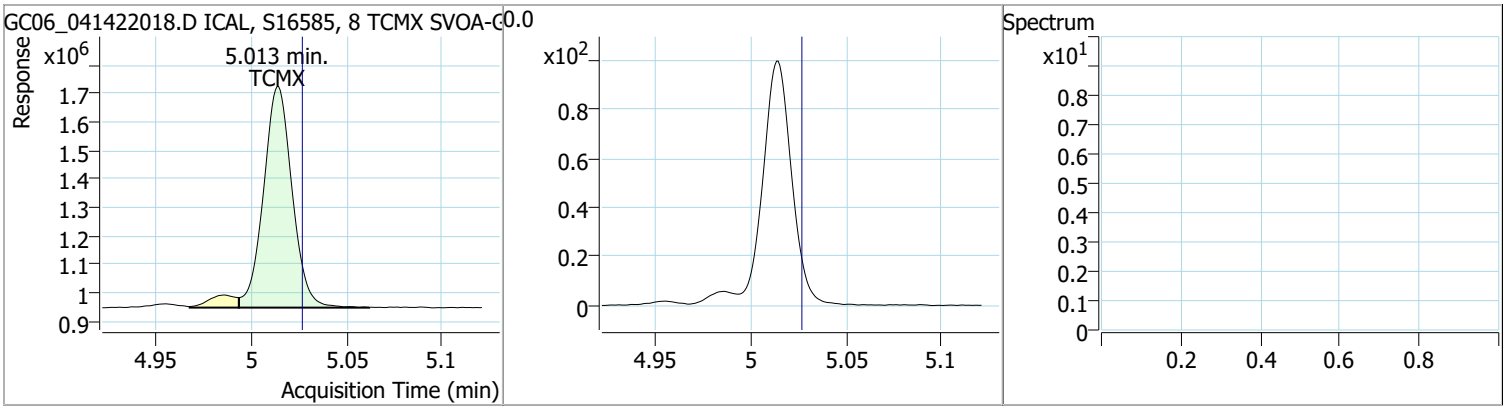
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.278	----	285063	0	4.254	N.D. #	ng/ml
T 4,4'-DDE	8.049	8.502 f	389107	323971	5.551	1.490 #	ng/ml
T Dieldrin	8.623	8.837	1377278	1442884	15.328	5.586 #	ng/ml
T Endrin	9.220	9.520	1953611	1048602	21.017	4.585 #	ng/ml
T 4,4'-DDD	9.312	9.648 f	210064	5022109	4.090	23.303 #	ng/ml
T Endosulfan II	9.667	9.938 f	53210	5247074	0.793	17.297 #	ng/ml
T 4,4'-DDT	9.764	10.242	1994739	7377662	28.536	21.922	ng/ml
T Endrin aldehyde	10.335	10.374	1010553	3311917	16.345	15.129	ng/ml
T Endosulfan sulfate	10.929	10.768	5056	4111671	0.086	16.211 #	ng/ml
T Methoxychlor	10.588	11.069 f	124996	7954126	3.462	54.575 #	ng/ml
T Endrin ketone	11.200	11.468 f	533254	5227834	6.654	15.923 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

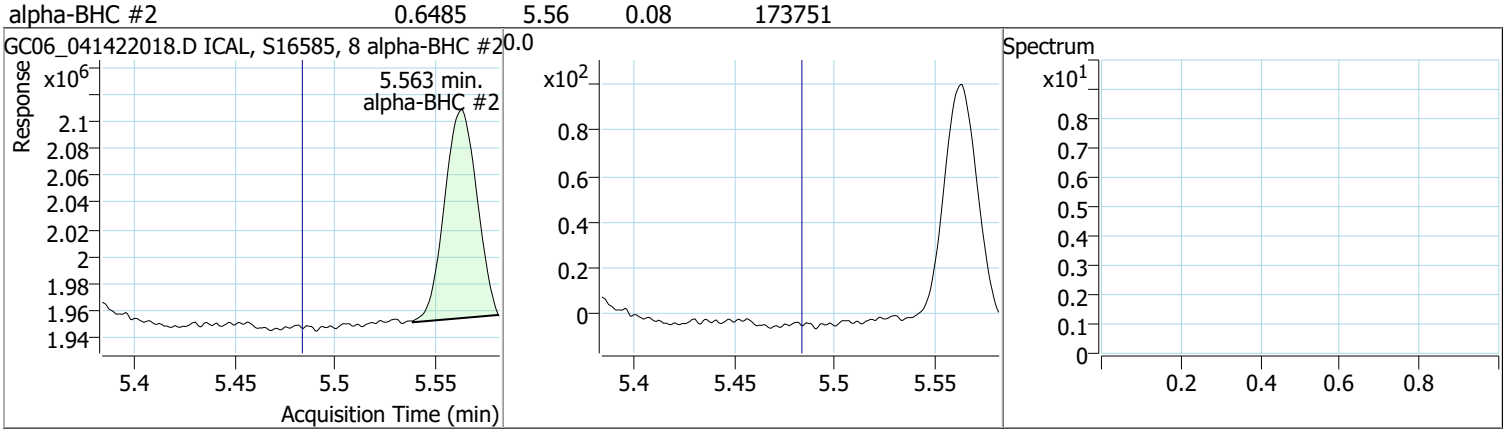
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	10.2055	4.91	0.00	2853969			



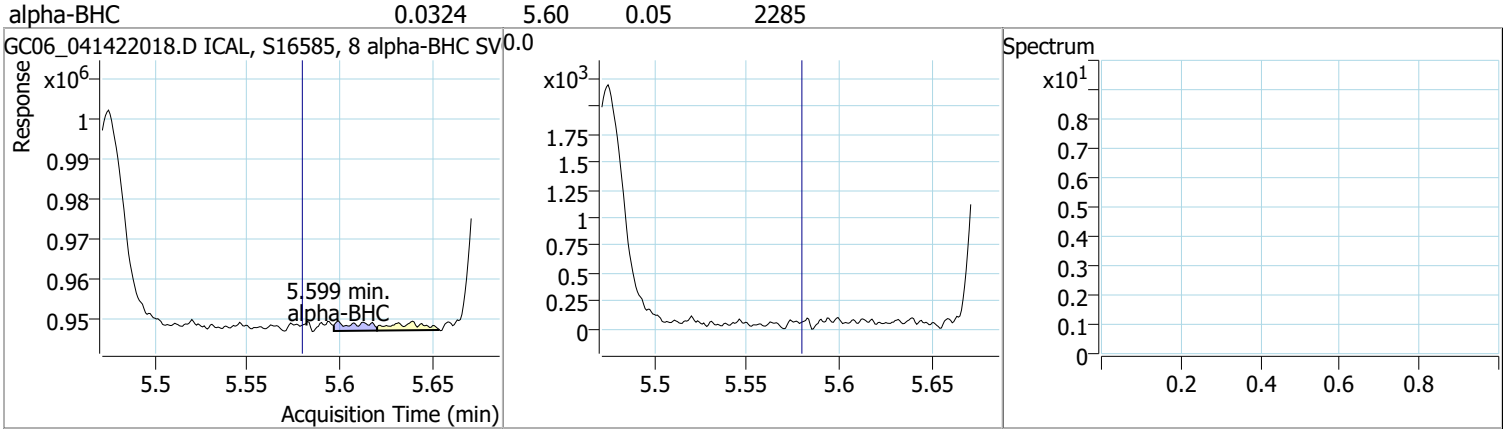
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	9.7457	5.01	0.02	811346			



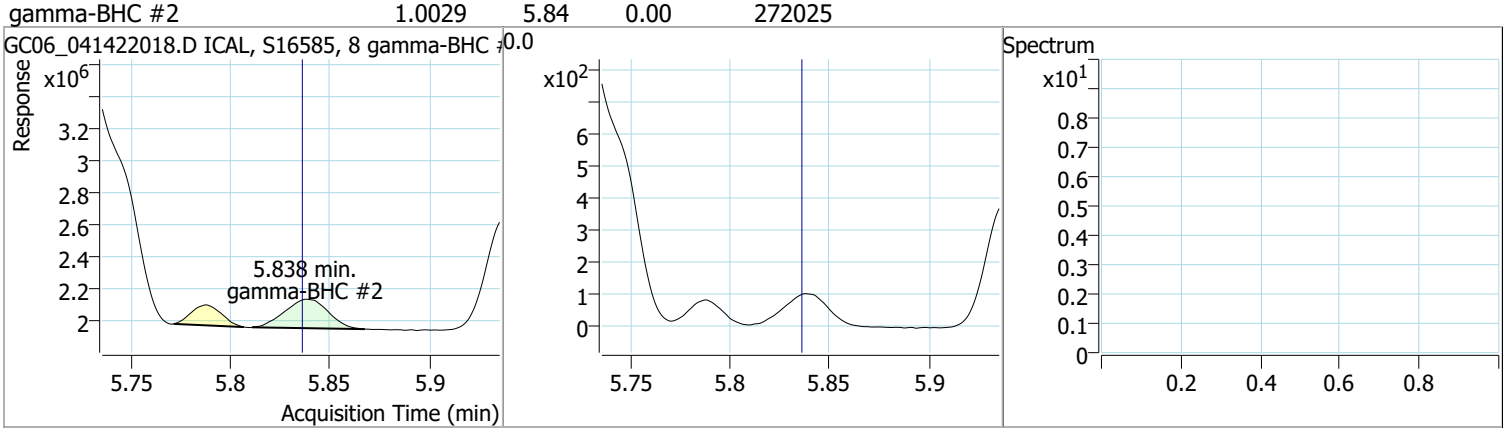
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	0.6485	5.56	0.08	173751			



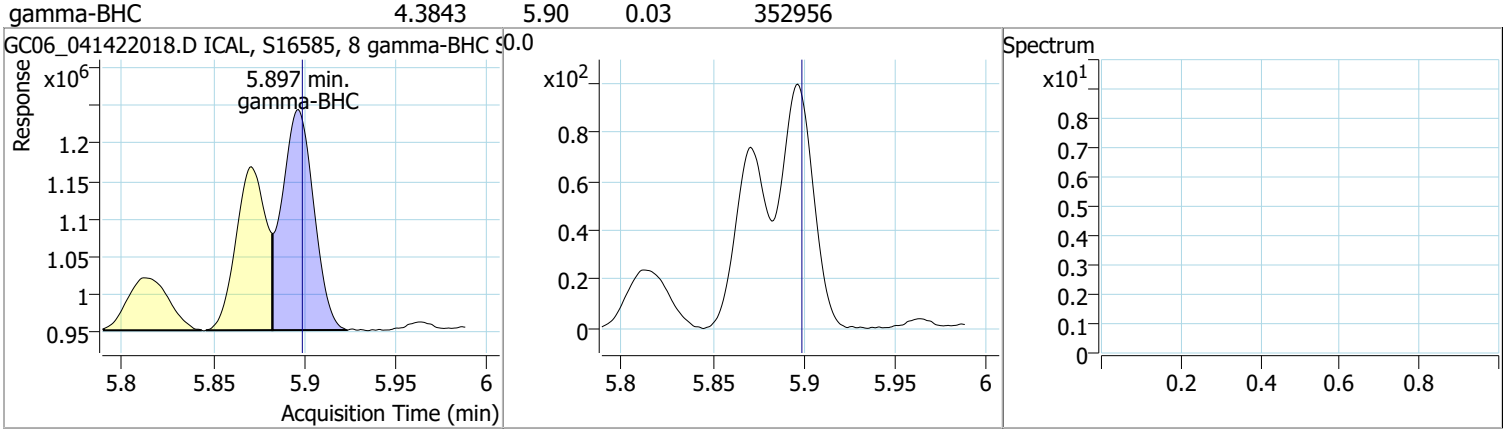
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC	0.0324	5.60	0.05	2285			



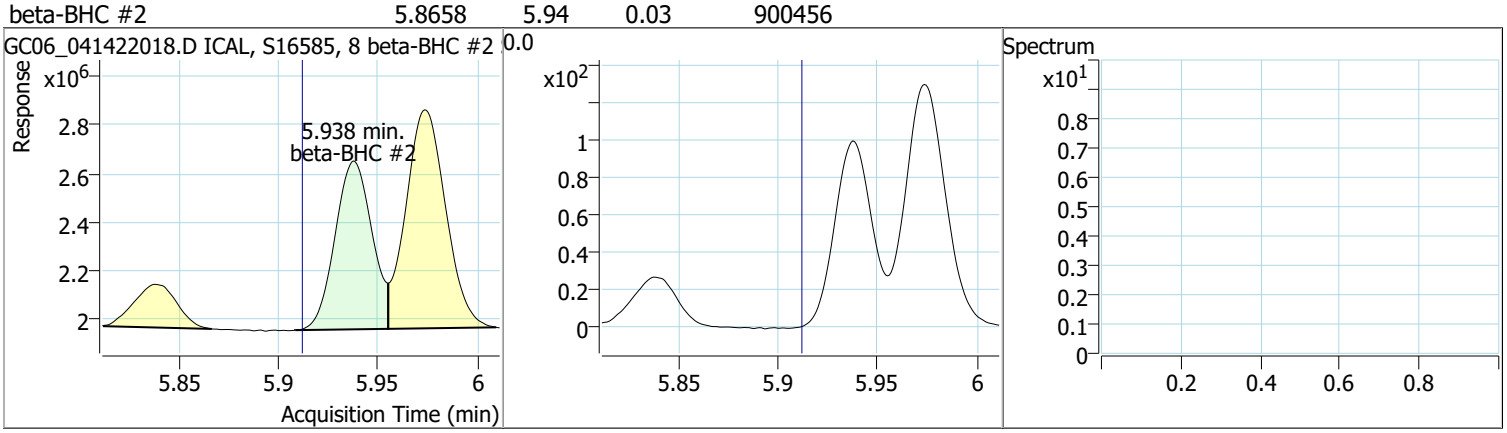
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	1.0029	5.84	0.00	272025			



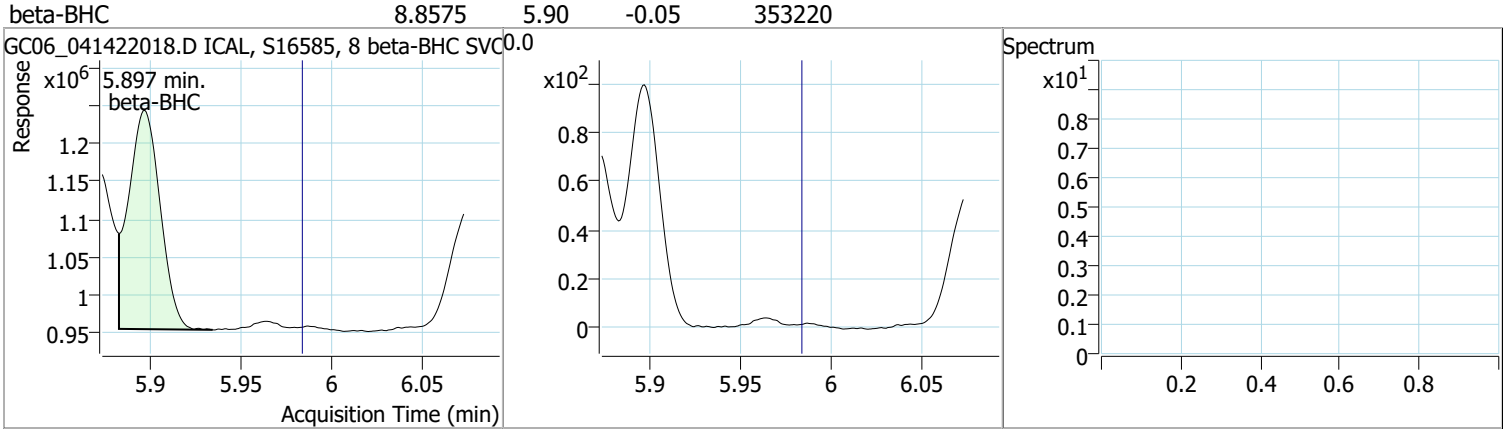
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	4.3843	5.90	0.03	352956			



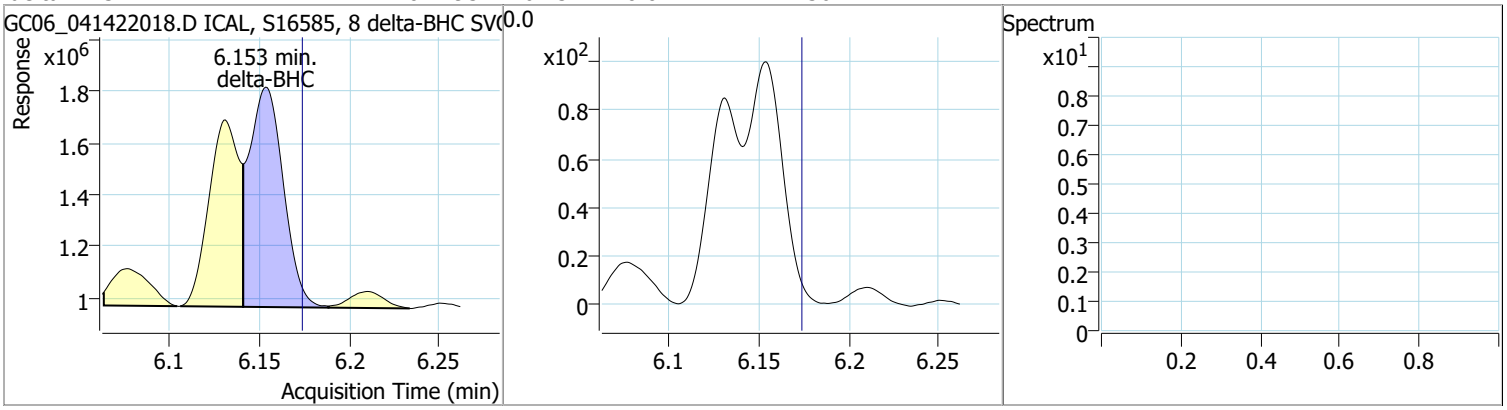
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	5.8658	5.94	0.03	900456			



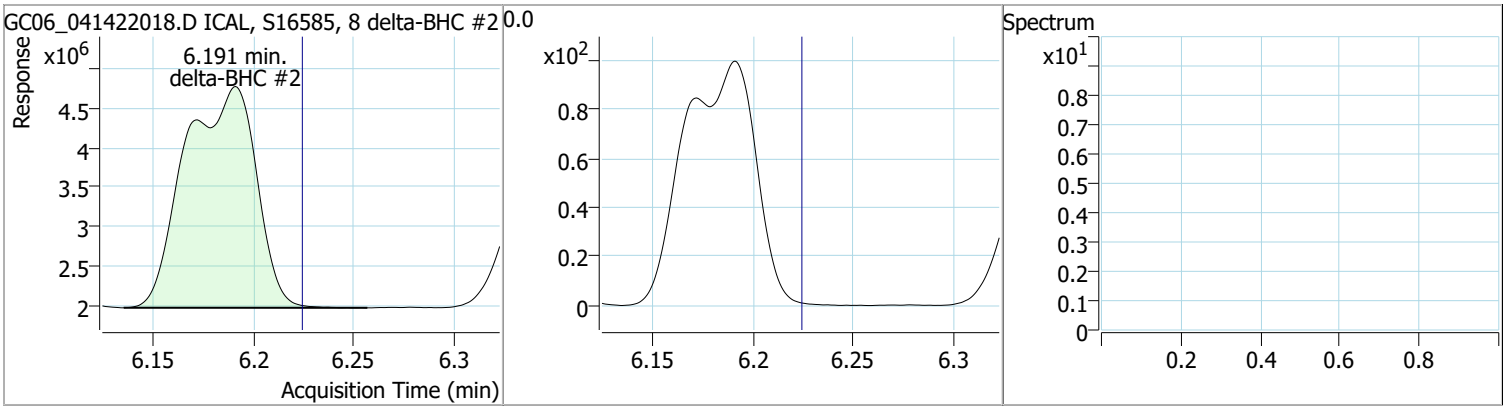
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	8.8575	5.90	-0.05	353220			



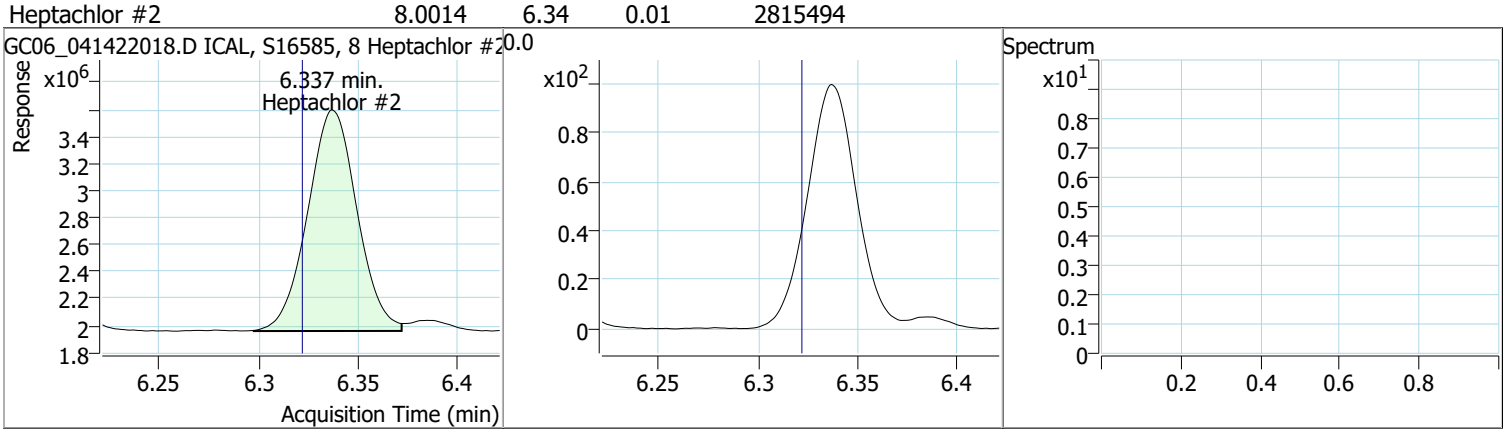
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	10.7195	6.15	0.01	1121361			



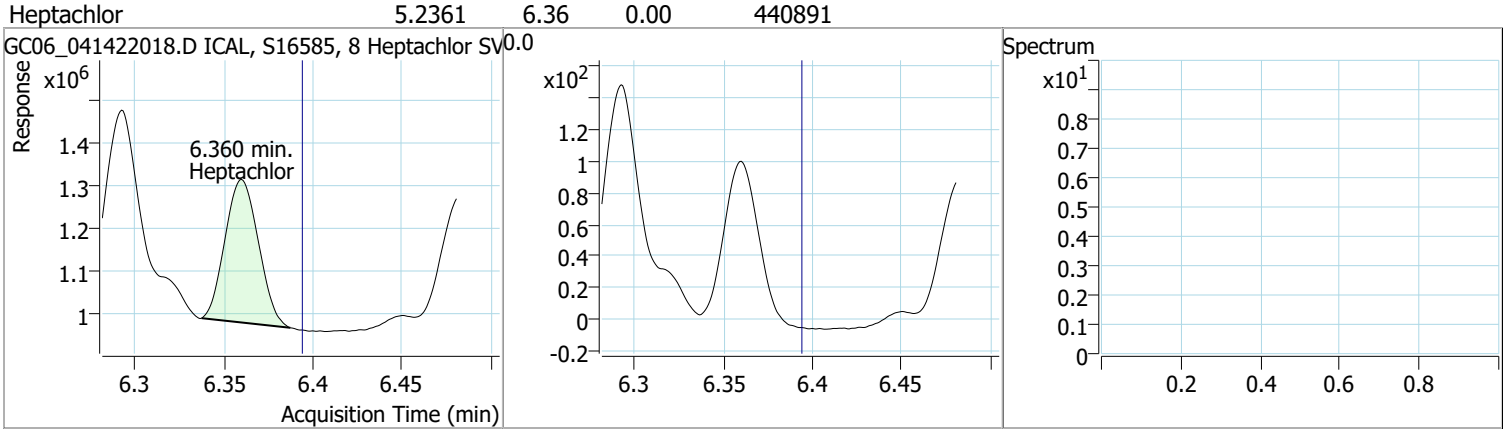
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	14.4595	6.19	-0.03	7054070			



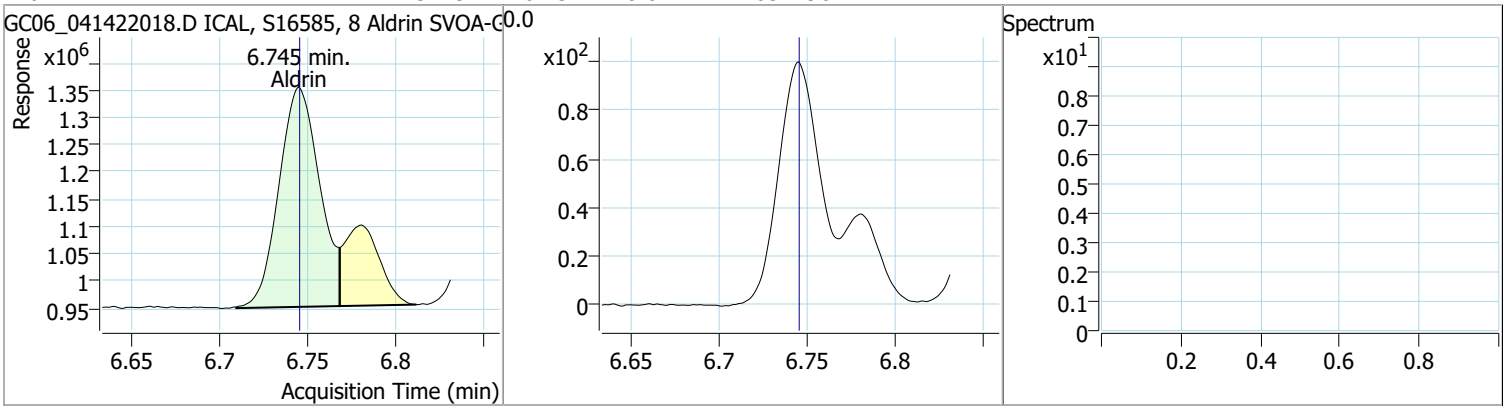
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	8.0014	6.34	0.01	2815494			



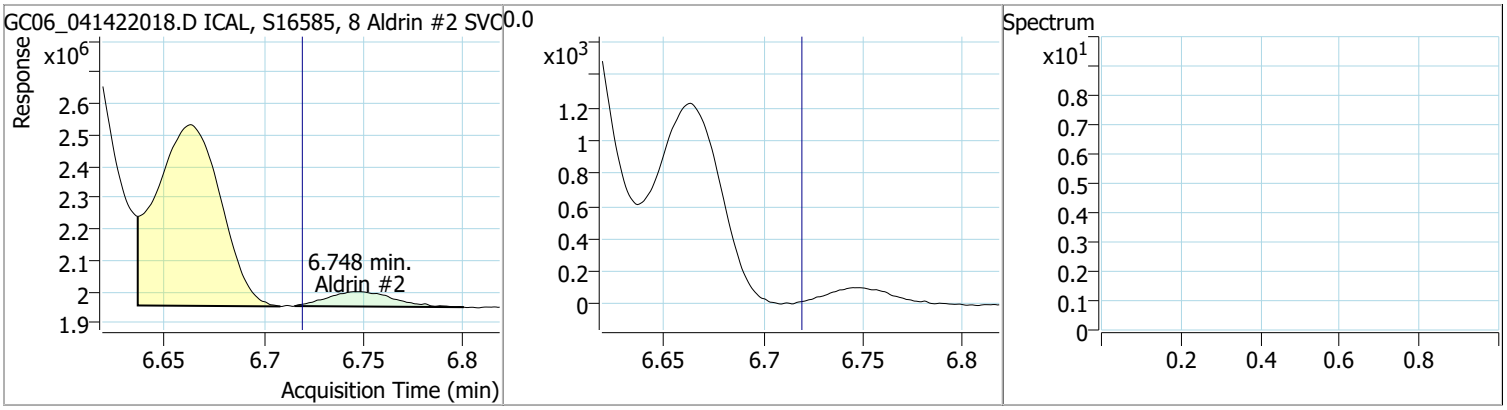
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	5.2361	6.36	0.00	440891			



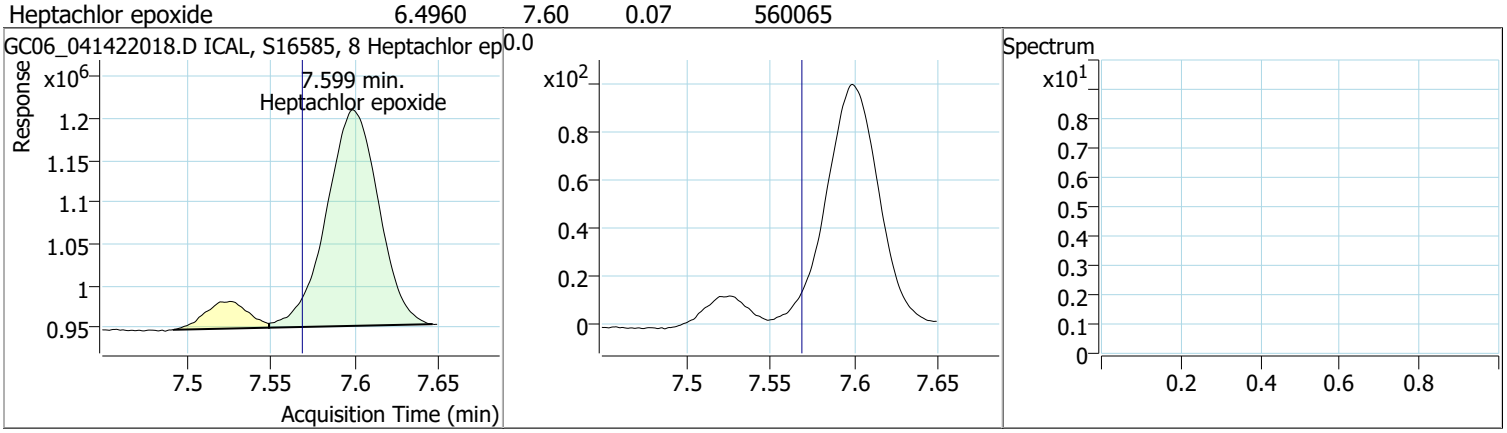
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	7.3425	6.75	0.04	654490			



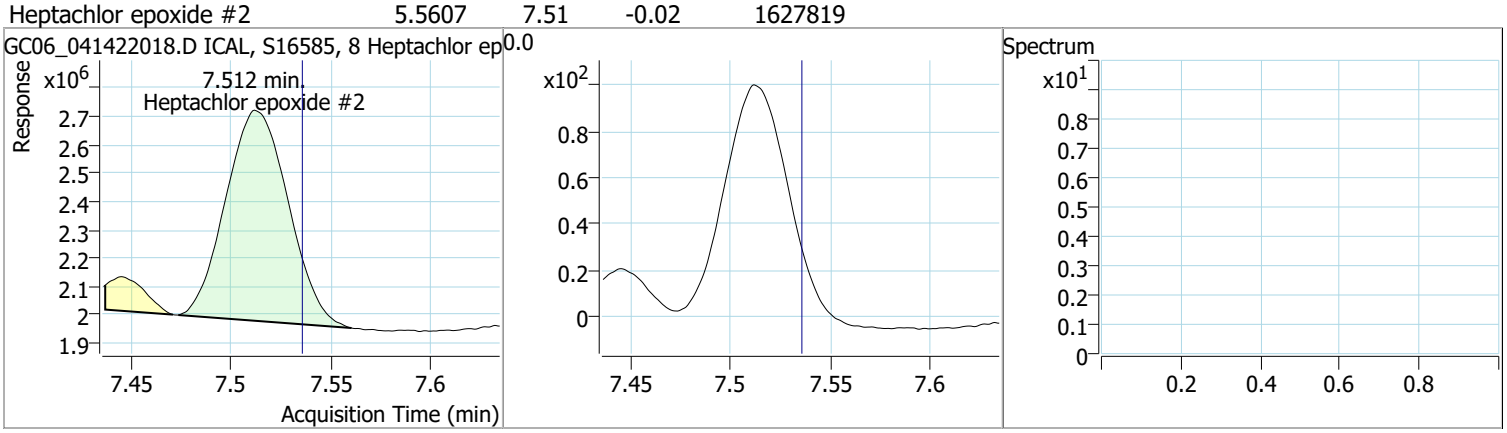
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	0.3838	6.75	0.03	109610			



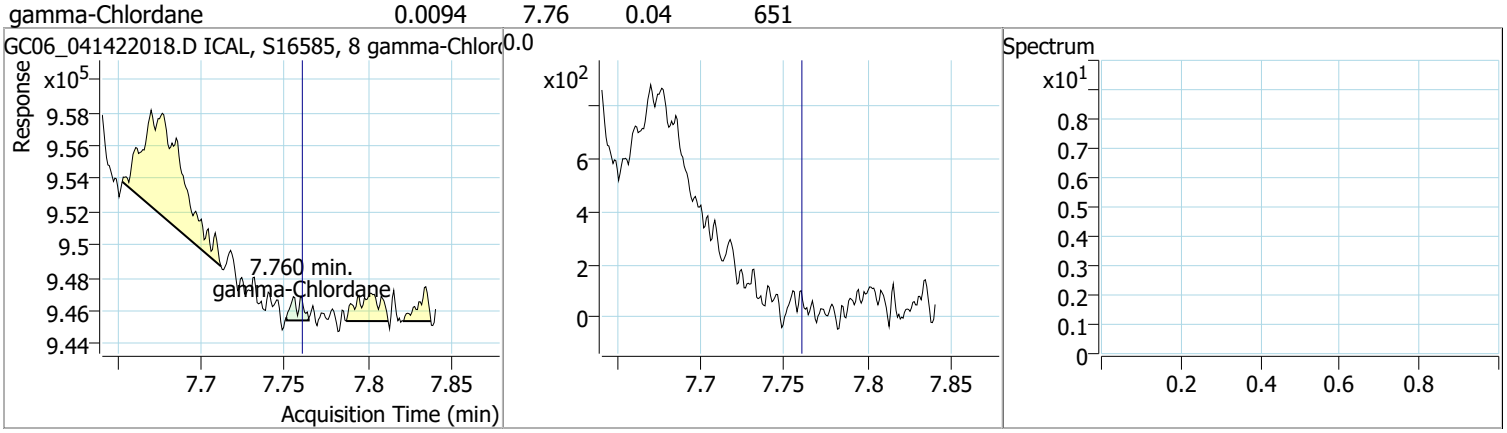
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	6.4960	7.60	0.07	560065			



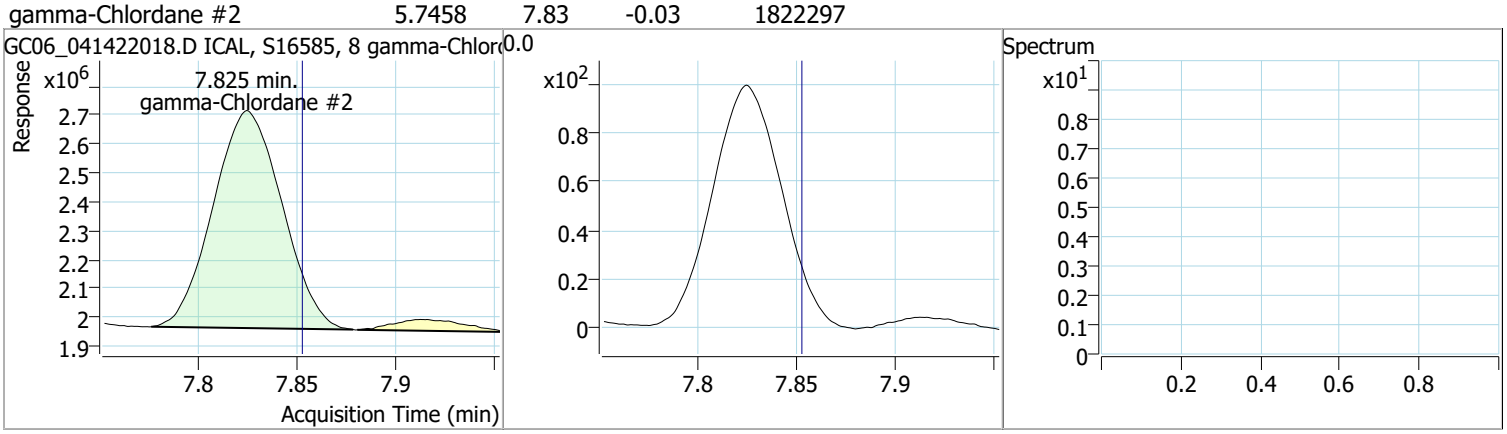
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	5.5607	7.51	-0.02	1627819			



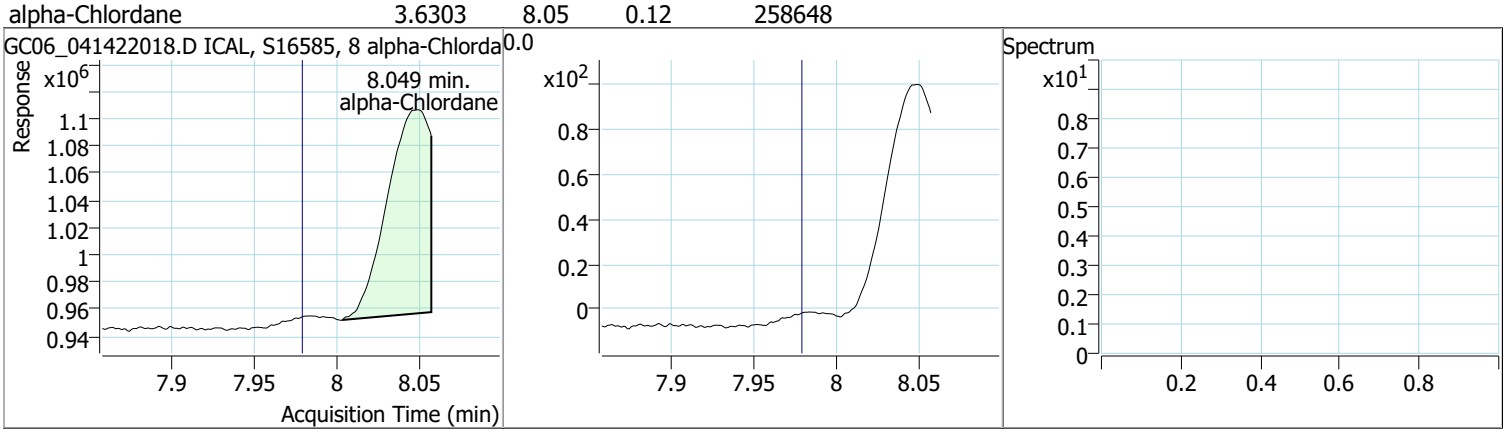
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0094	7.76	0.04	651			



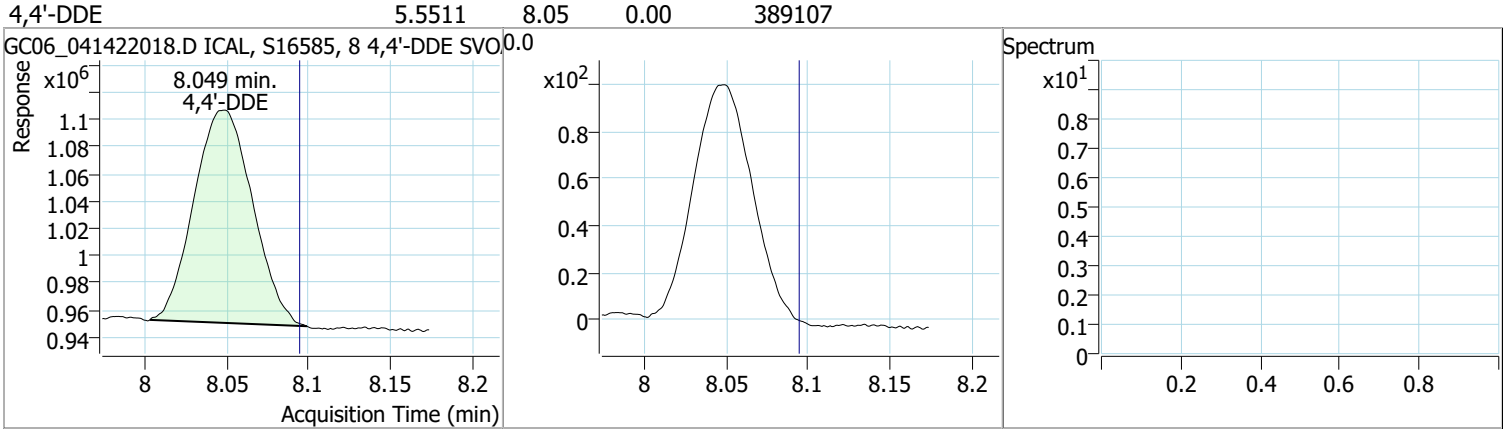
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	5.7458	7.83	-0.03	1822297			



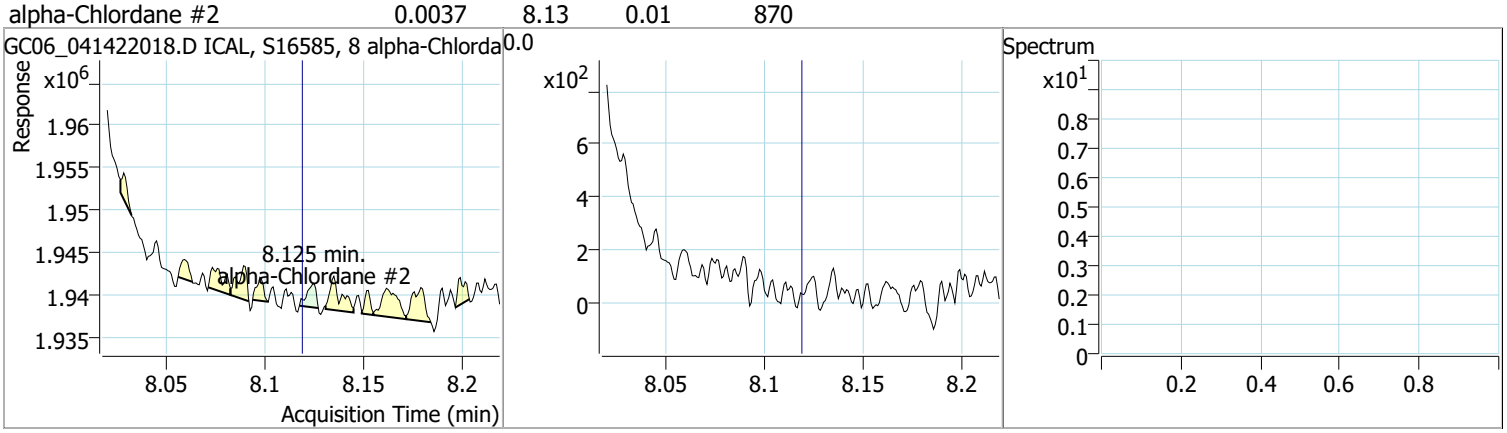
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	3.6303	8.05	0.12	258648			



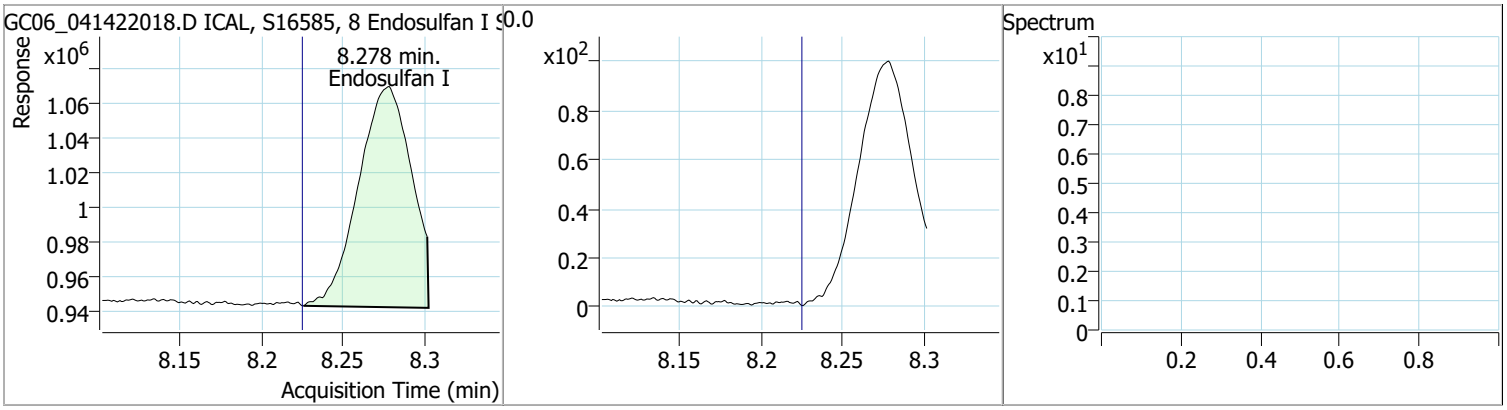
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	5.5511	8.05	0.00	389107			



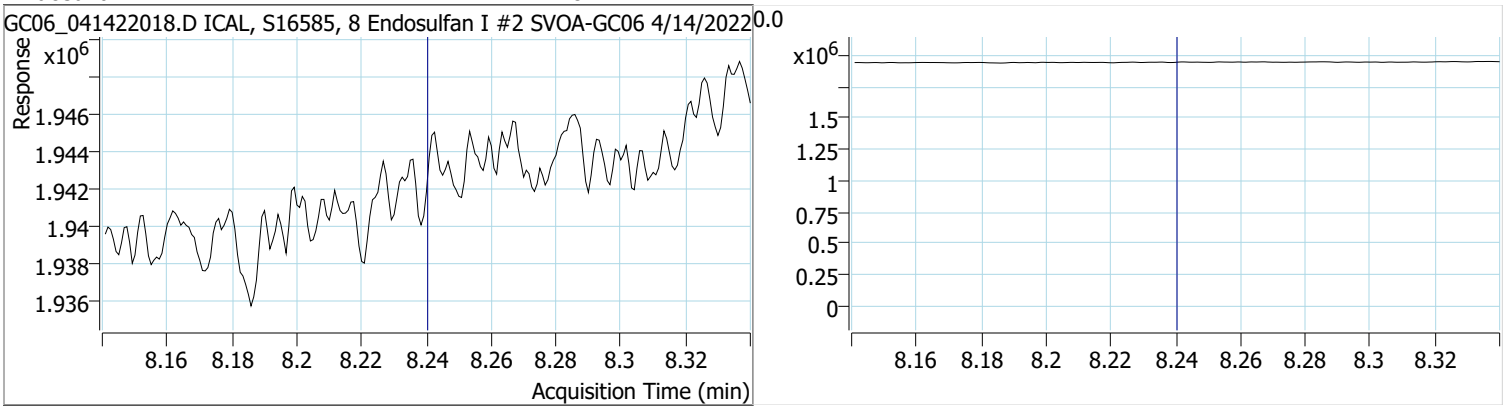
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0037	8.13	0.01	870			



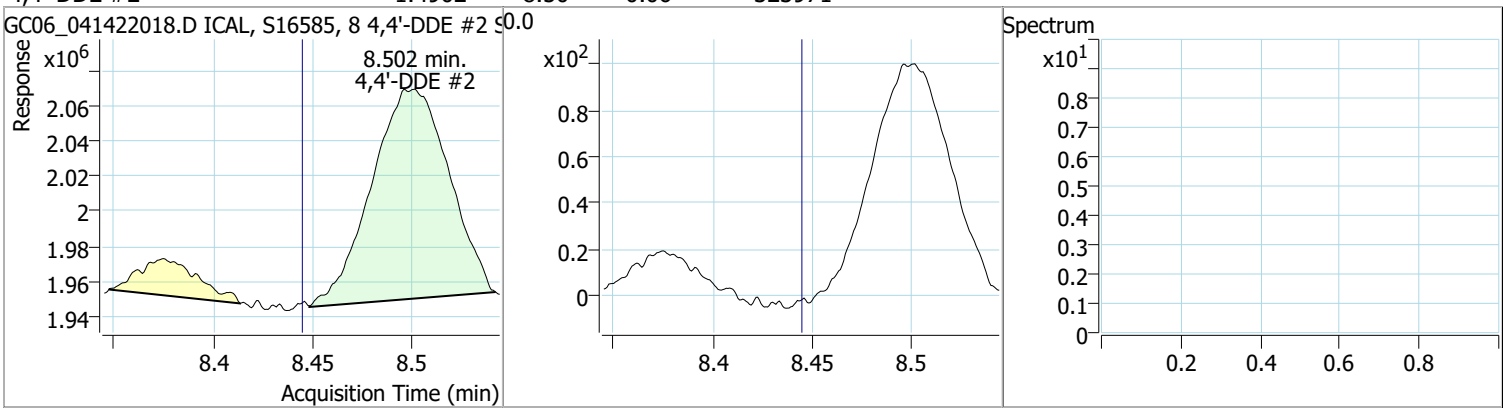
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	4.2544	8.28	0.10	285063			



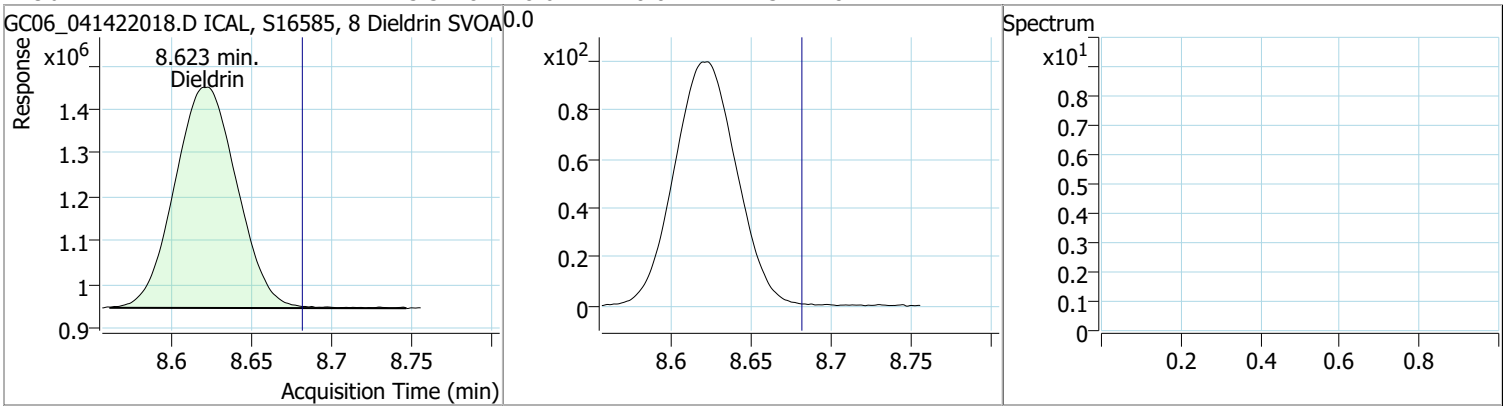
Compound	Conc.		Exp Ratio
Endosulfan I #2	N.D.	8.24	



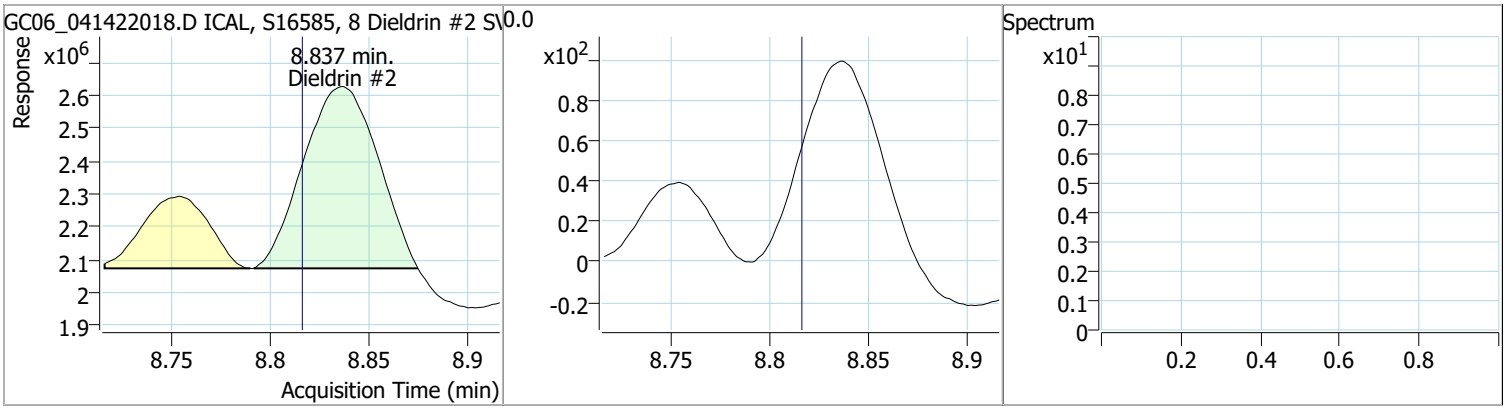
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	1.4902	8.50	0.06	323971			



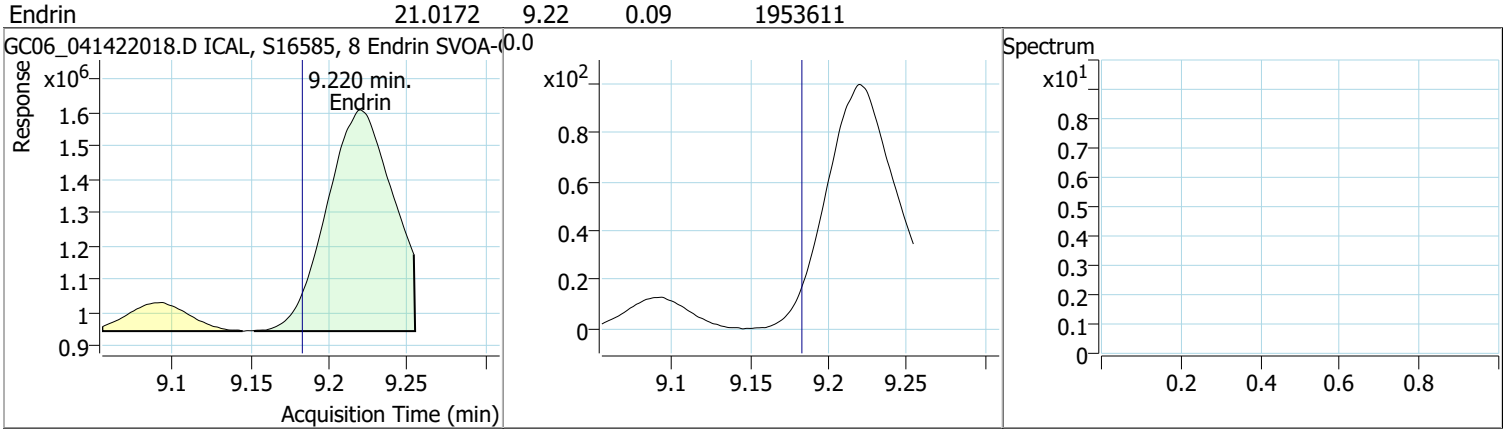
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	15.3278	8.62	-0.01	1377278			



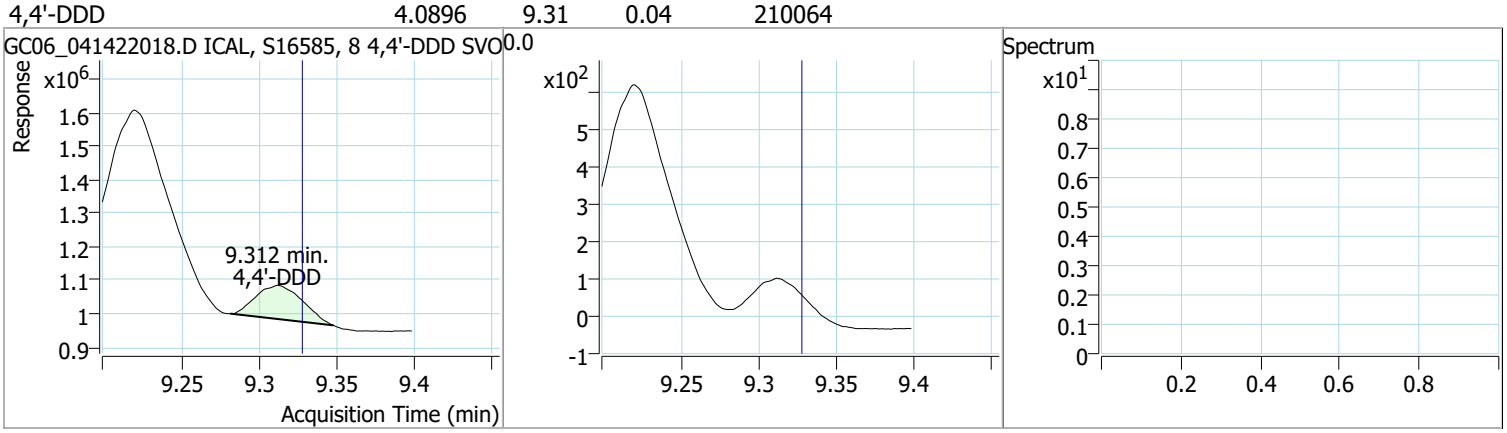
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	5.5858	8.84	0.02	1442884			



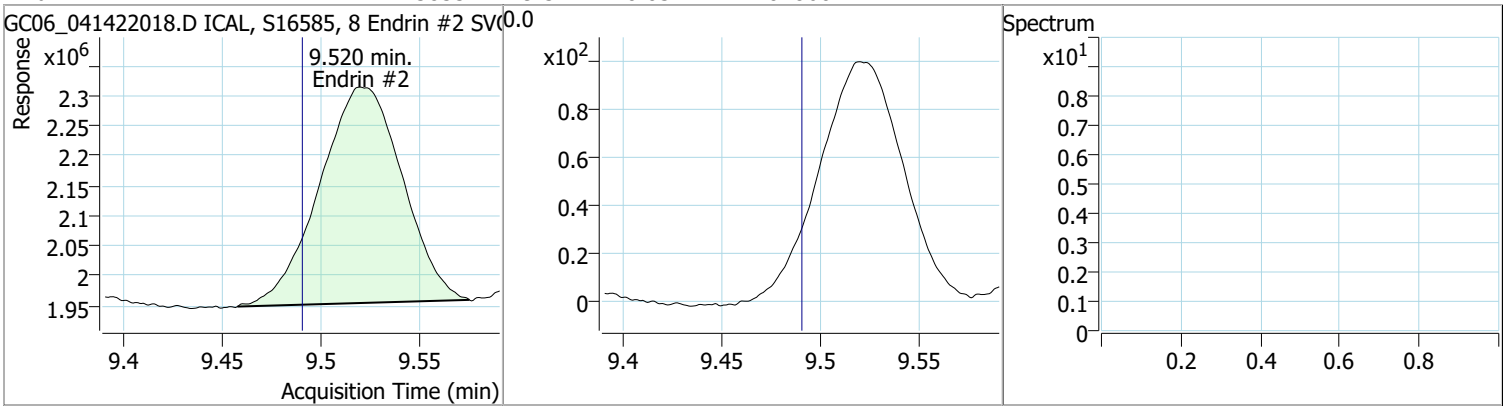
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	21.0172	9.22	0.09	1953611			



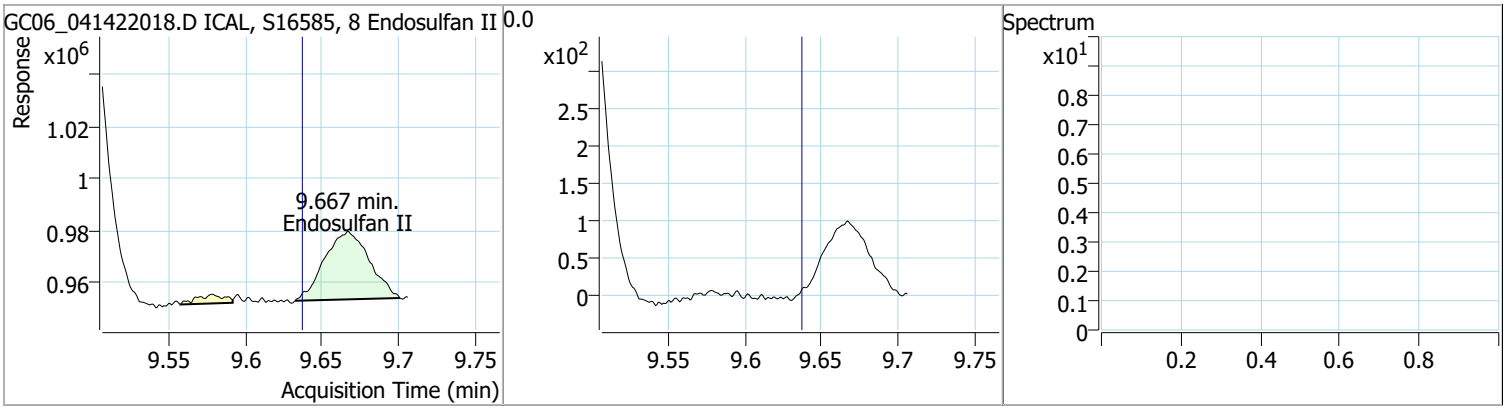
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	4.0896	9.31	0.04	210064			



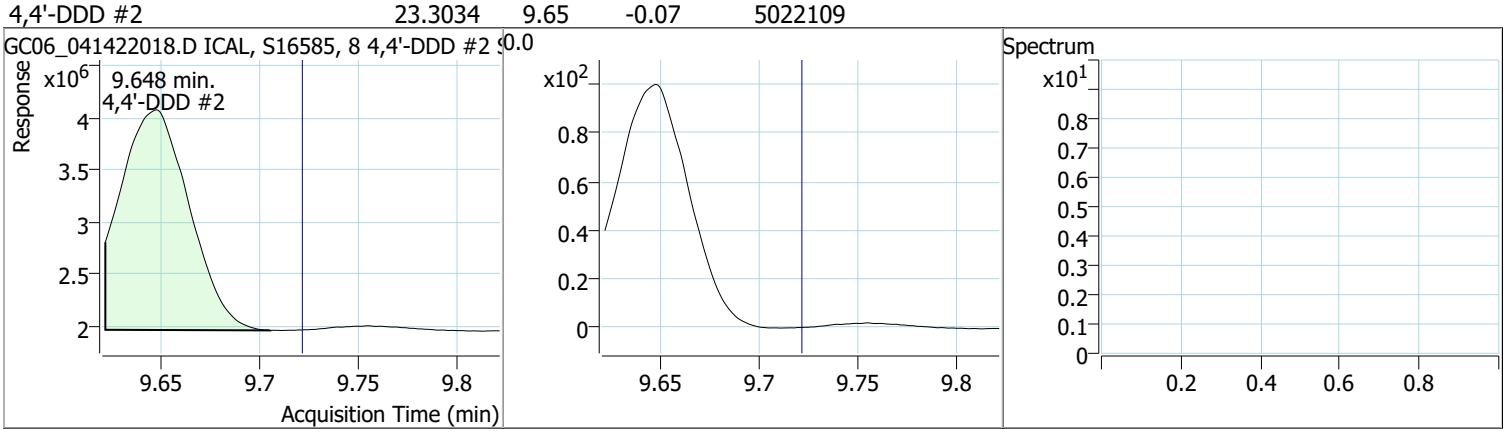
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	4.5855	9.52	0.03	1048602			



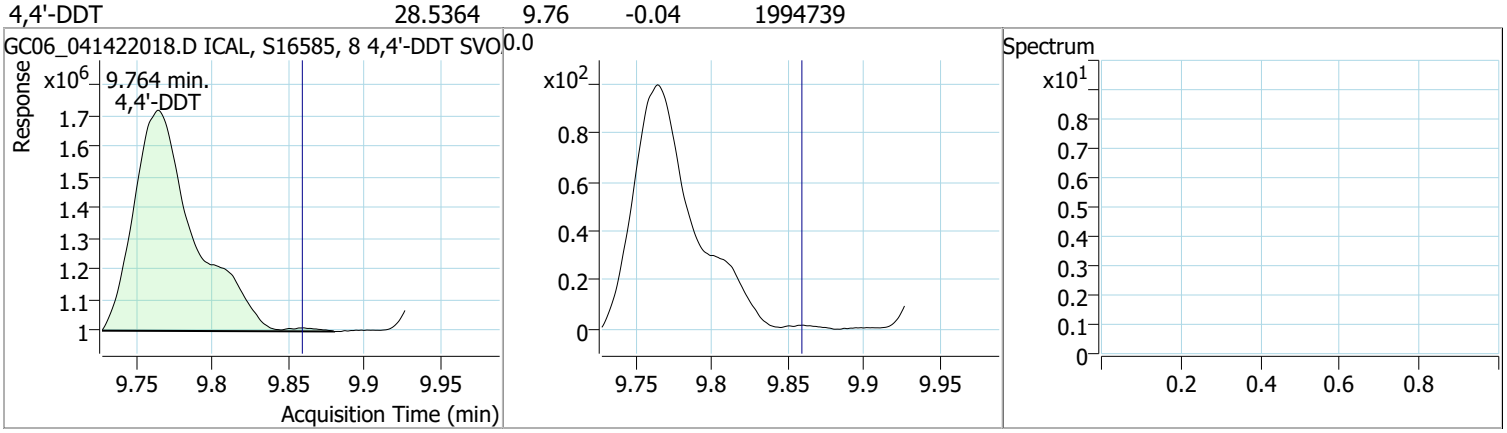
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	0.7928	9.67	0.08	53210			



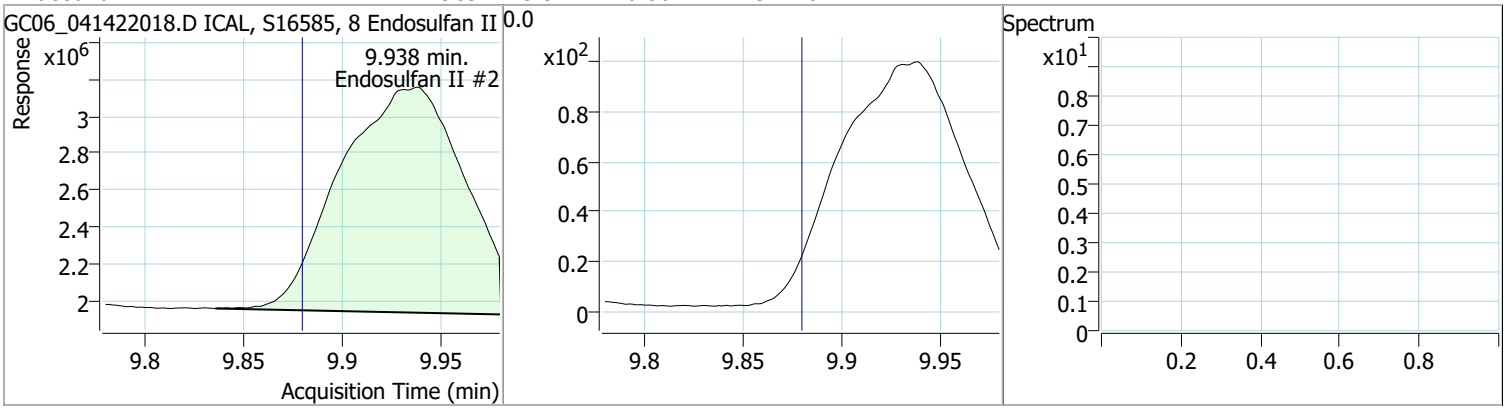
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	23.3034	9.65	-0.07	5022109			



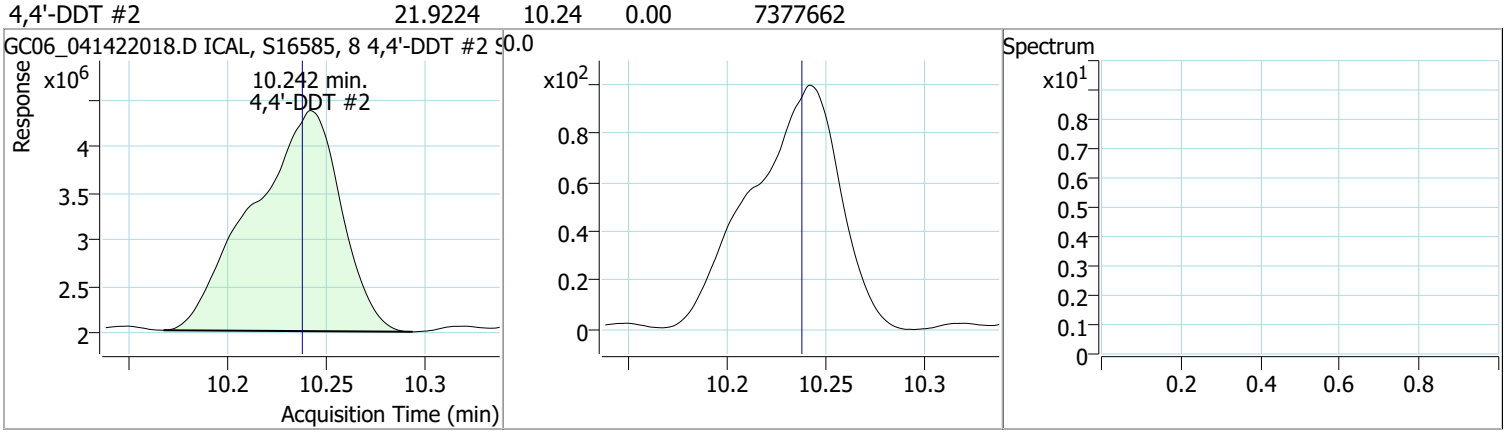
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	28.5364	9.76	-0.04	1994739			



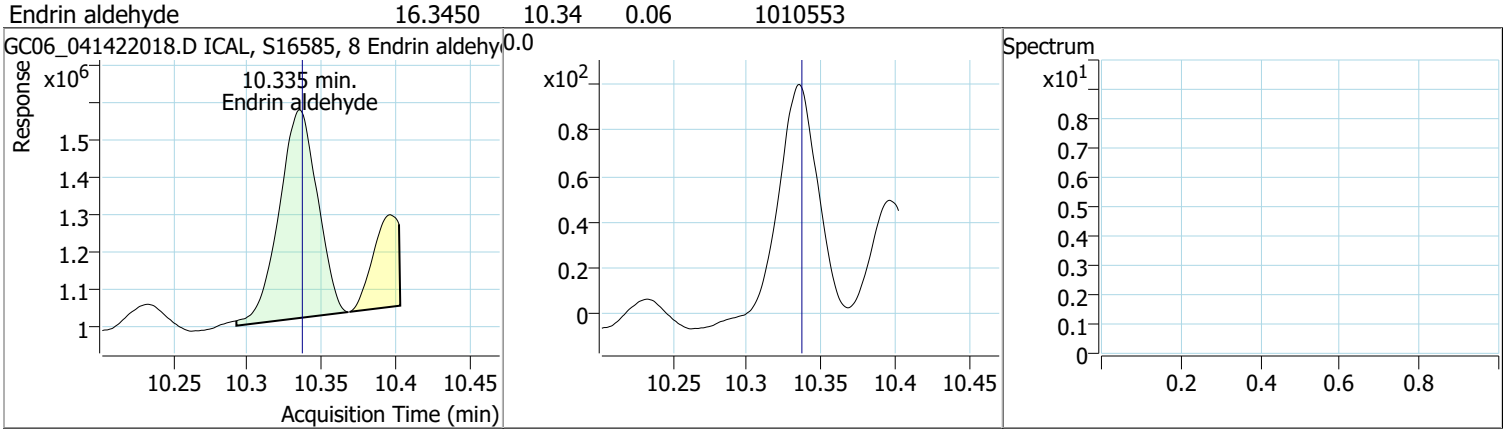
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	17.2969	9.94	0.06	5247074			



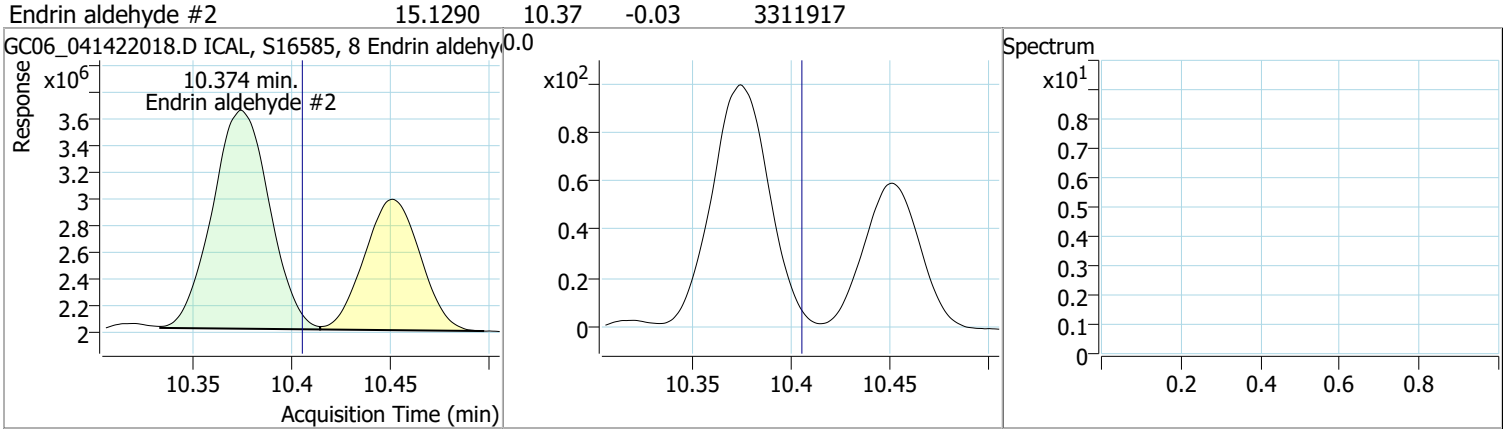
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	21.9224	10.24	0.00	7377662			



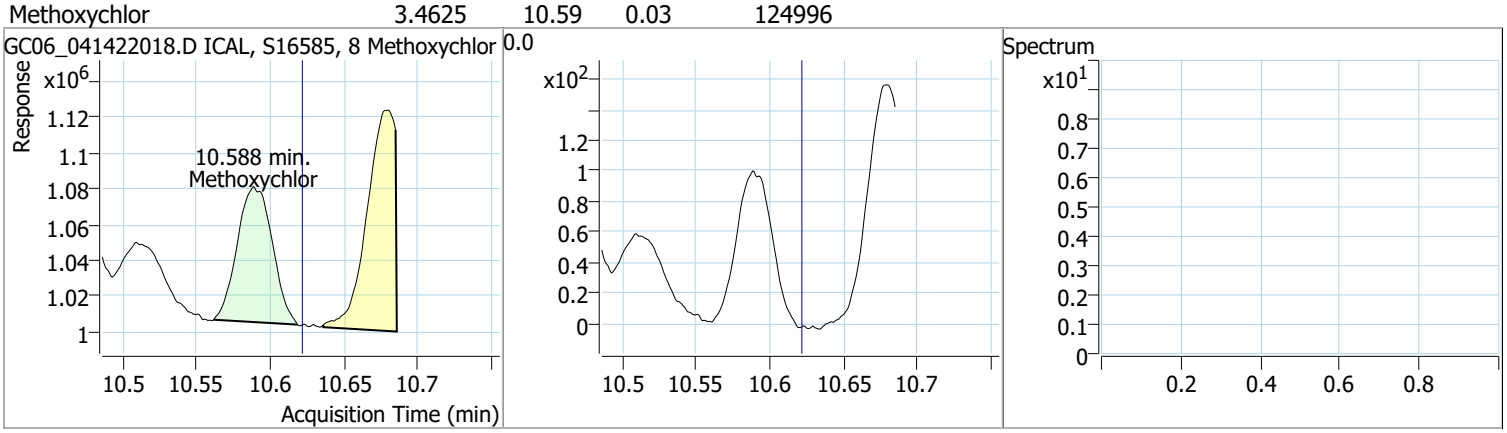
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	16.3450	10.34	0.06	1010553			



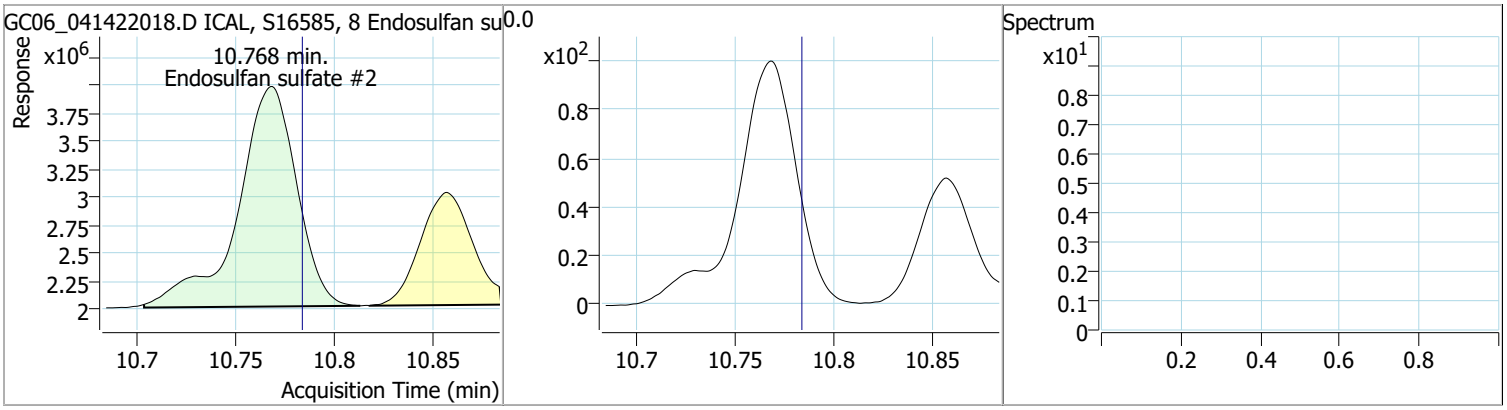
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	15.1290	10.37	-0.03	3311917			



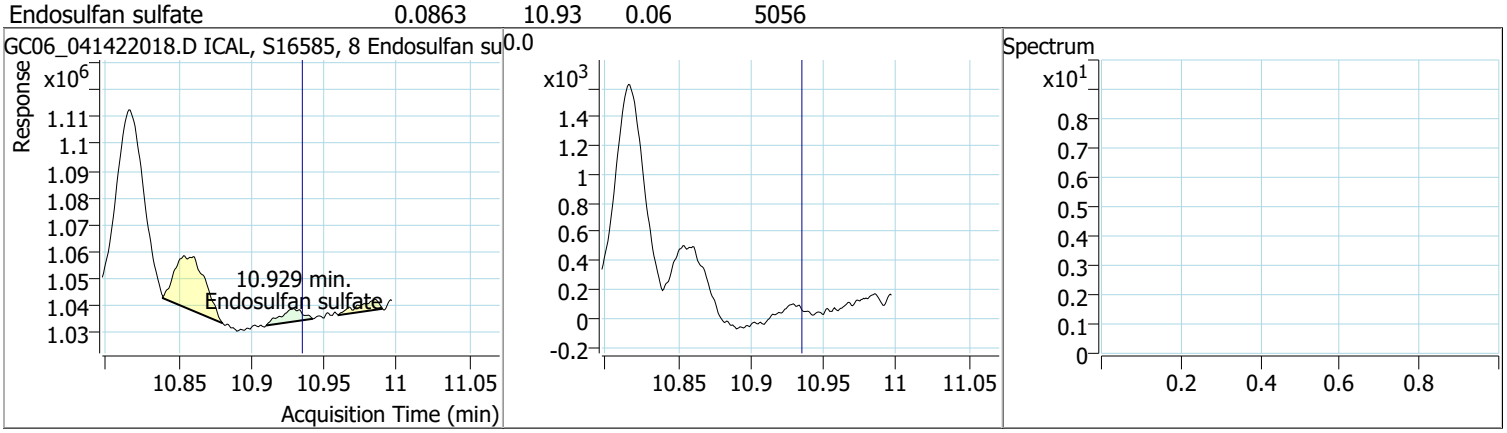
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	3.4625	10.59	0.03	124996			



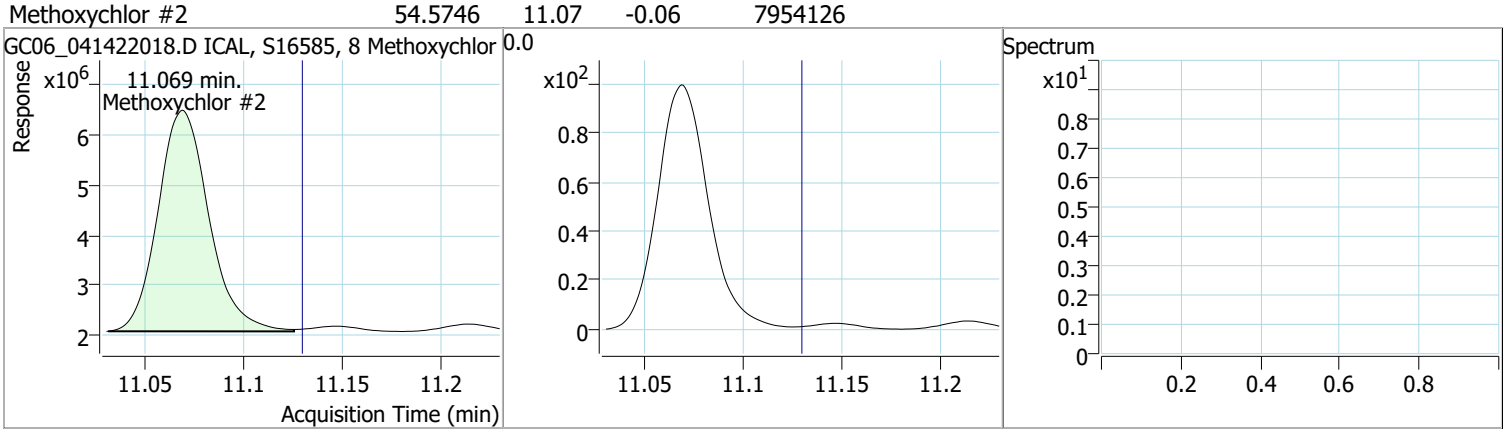
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	16.2109	10.77	-0.02	4111671			



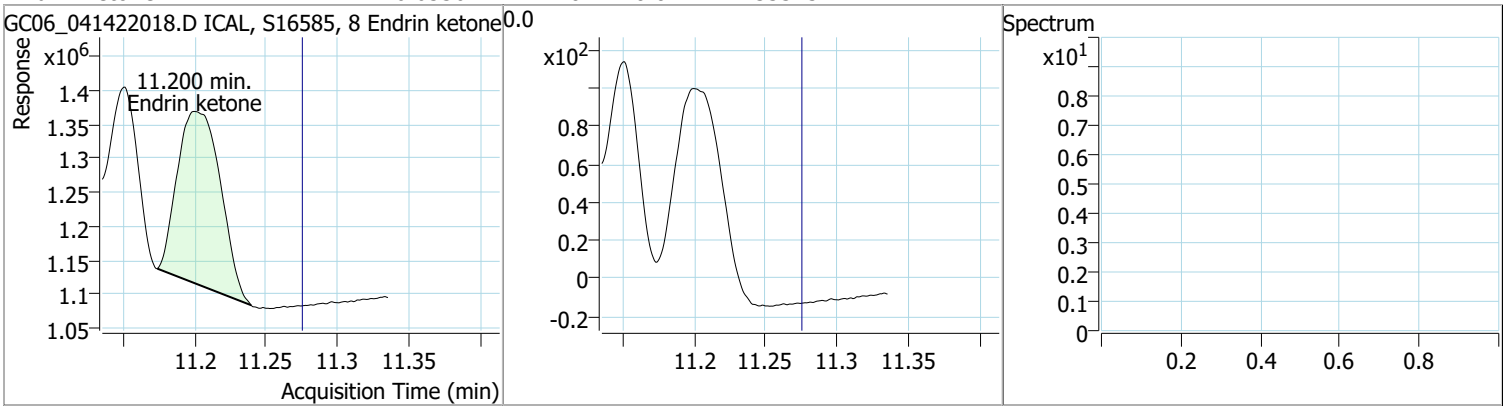
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	0.0863	10.93	0.06	5056			



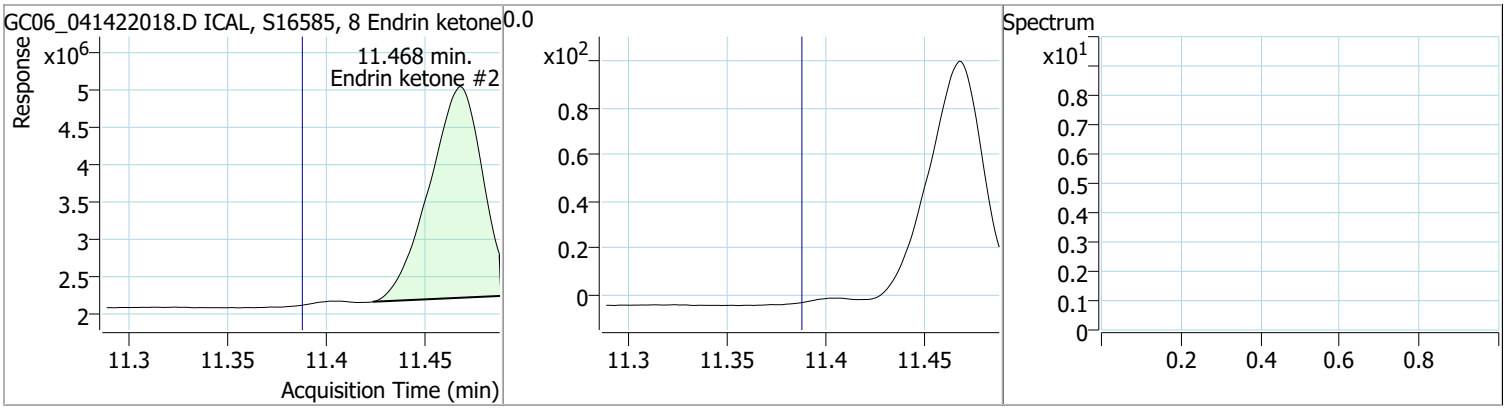
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	54.5746	11.07	-0.06	7954126			



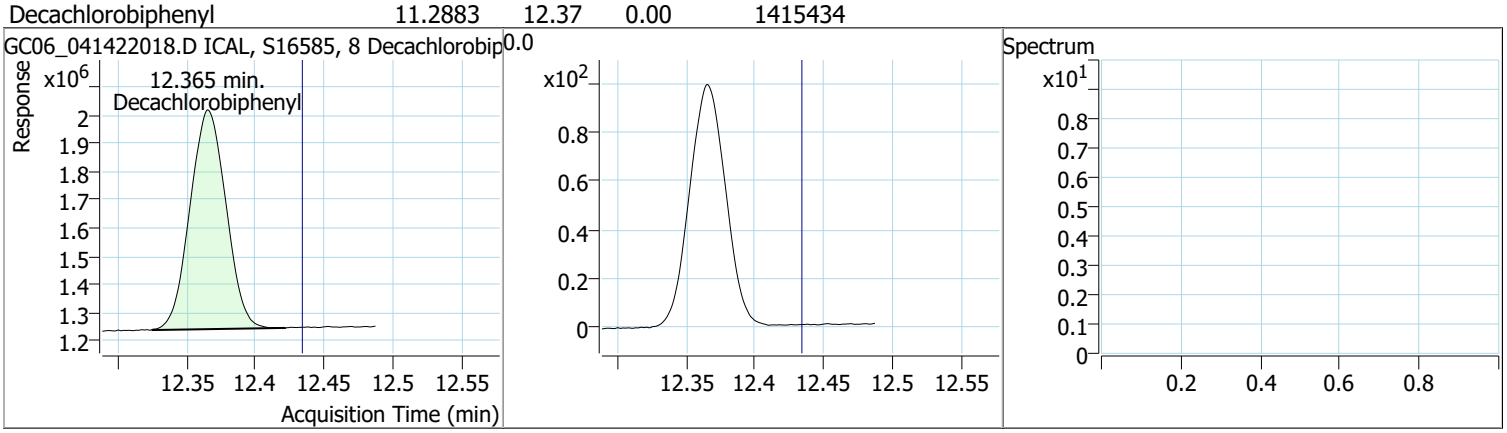
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	6.6536	11.20	-0.01	533254			



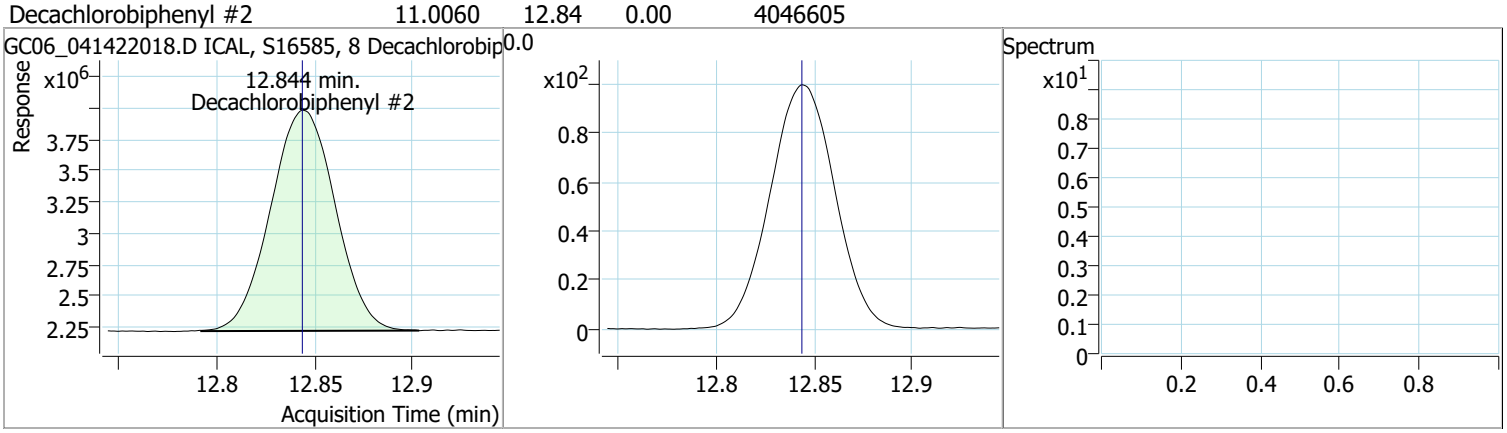
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	15.9229	11.47	0.08	5227834			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	11.2883	12.37	0.00	1415434			

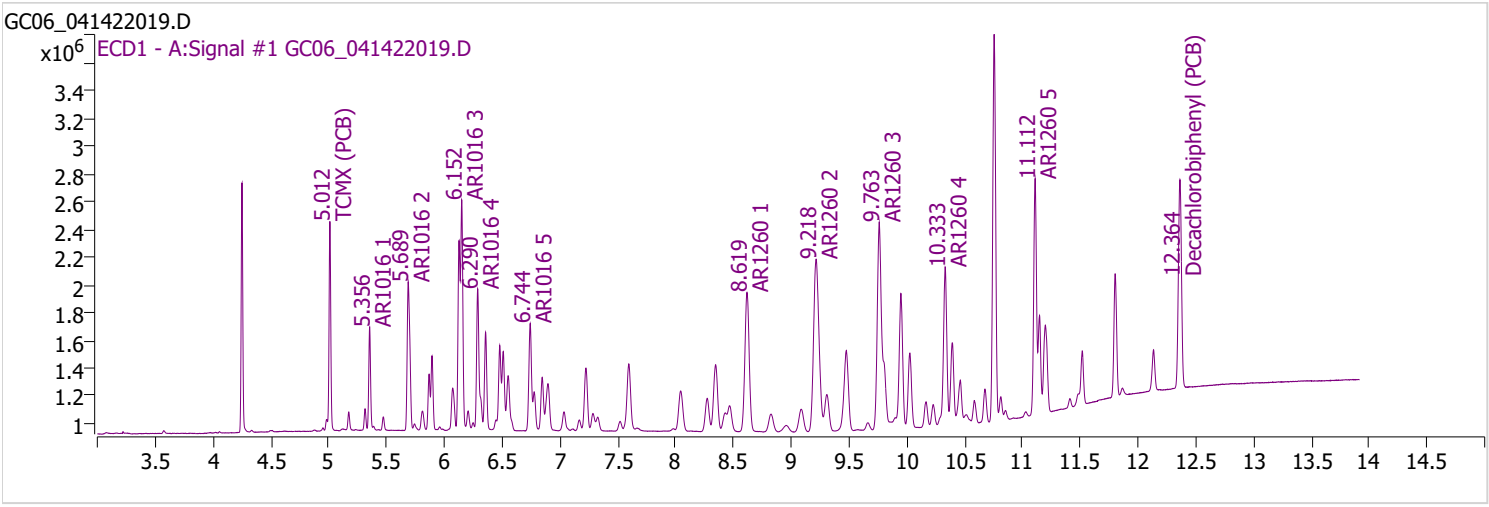


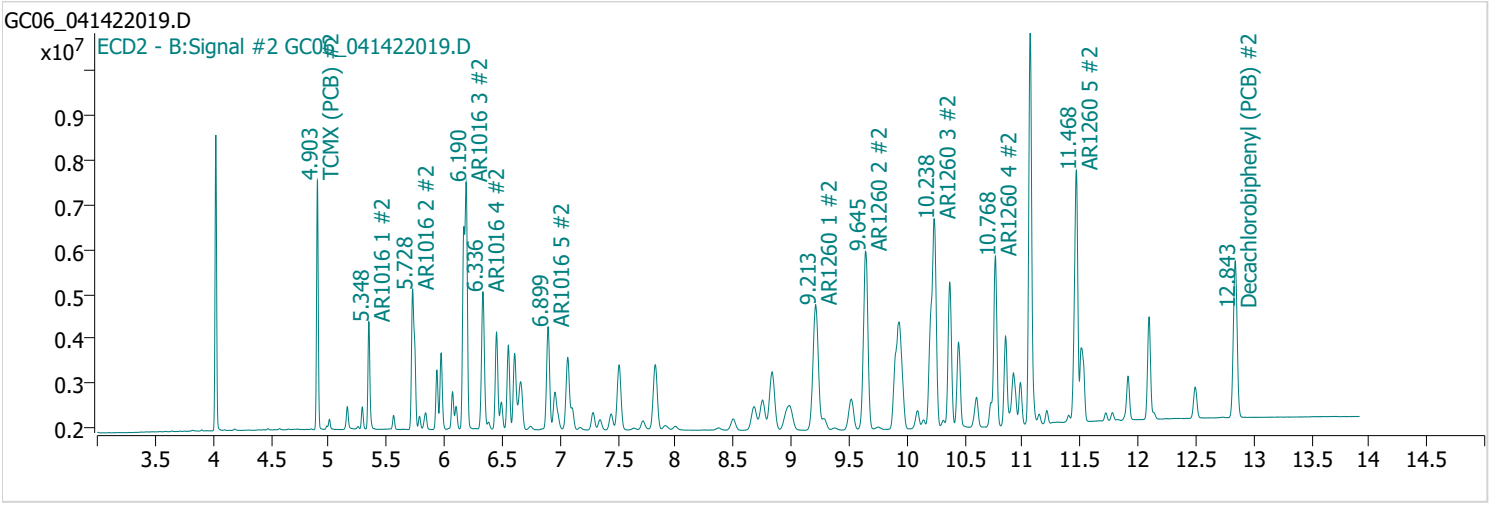
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	11.0060	12.84	0.00	4046605			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422019.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:51:33 PM
Sample Name	ICAL, S16585, 4	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 115	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



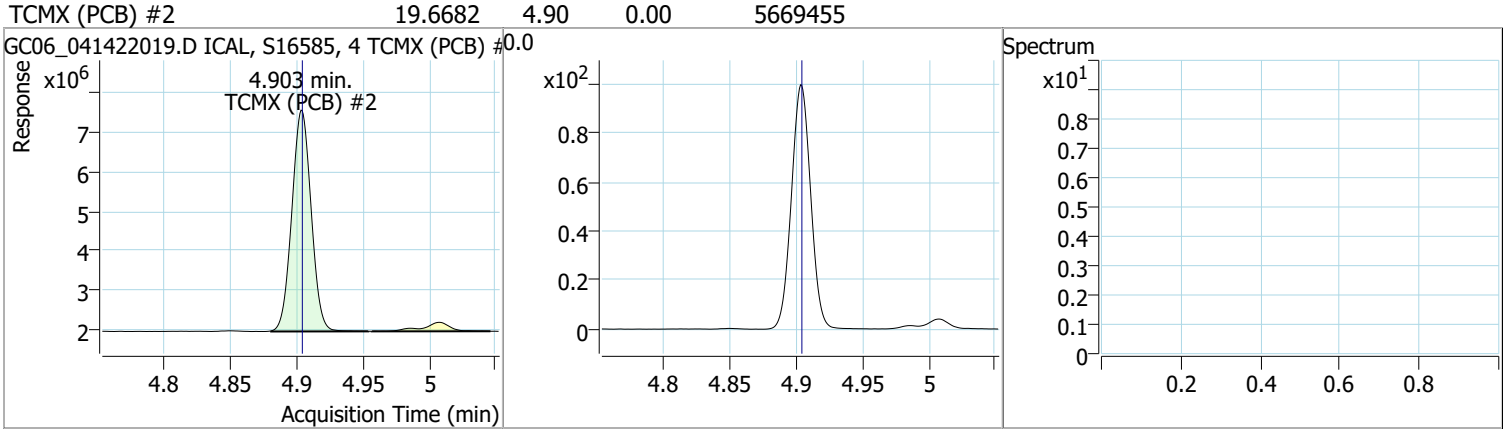


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.252	4.025	1751391	6293294	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.012	4.903	1579508	5669455	18.750	19.668	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	93.75%	98.34%	
S Decachlorobiphenyl (PCB)	12.364	12.843	2854774	8049404	21.438	21.197	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	107.19%	105.98%	
Target Compounds							
T AR1016 1	5.356	5.348	817856	2886563	477.394	489.790	ng/ml
T AR1016 2	5.689	5.728	1755526	6043942	470.625	494.172	ng/ml
T AR1016 3	6.152	6.190	2166227	7959848 m	493.437	493.496	ng/ml
T AR1016 4	6.290	6.336	1608136	5357999	489.499	489.637	ng/ml
T AR1016 5	6.744	6.899	1233025	4246029	485.194	496.301	ng/ml
T AR1260 1	8.619	9.213	2643383	9095023 m	479.596	477.498	ng/ml
T AR1260 2	9.218	9.645	4080185	10571114 m	480.627	480.320	ng/ml
T AR1260 3	9.763	10.238	4246183 m	14462994	481.144	483.695	ng/ml
T AR1260 4	10.333	10.768	2144630	8020449	488.632	495.702	ng/ml

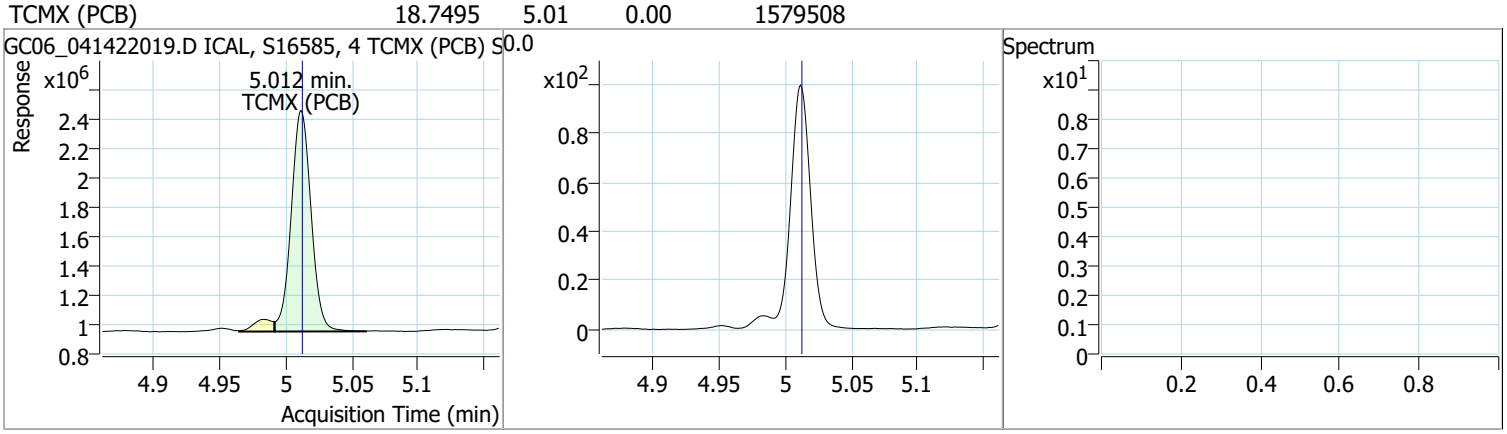
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.468	2847527	11472329	490.189	480.925	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

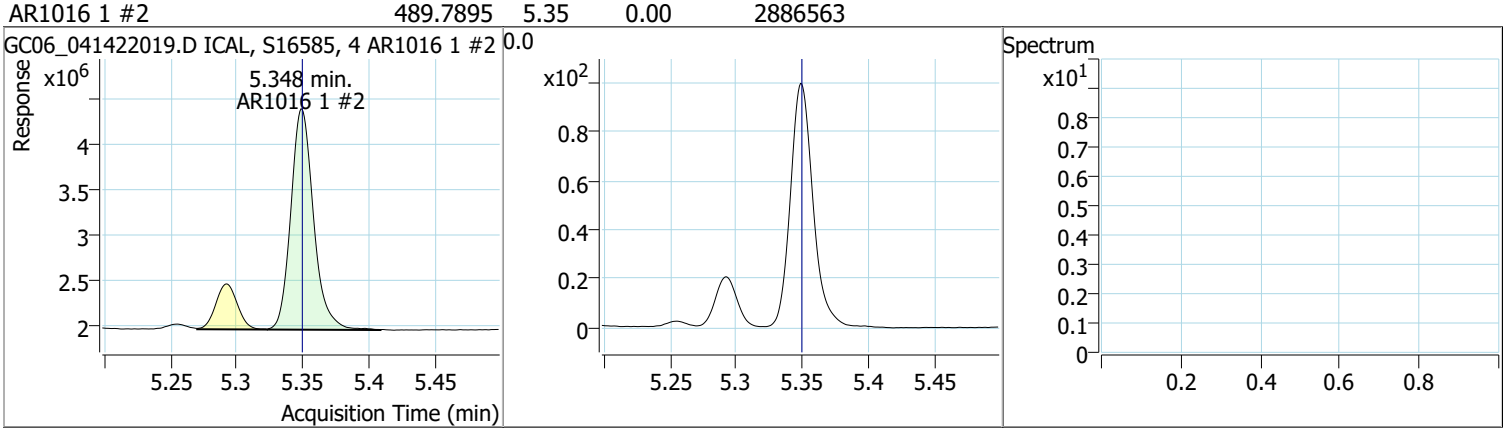
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	19.6682	4.90	0.00	5669455			



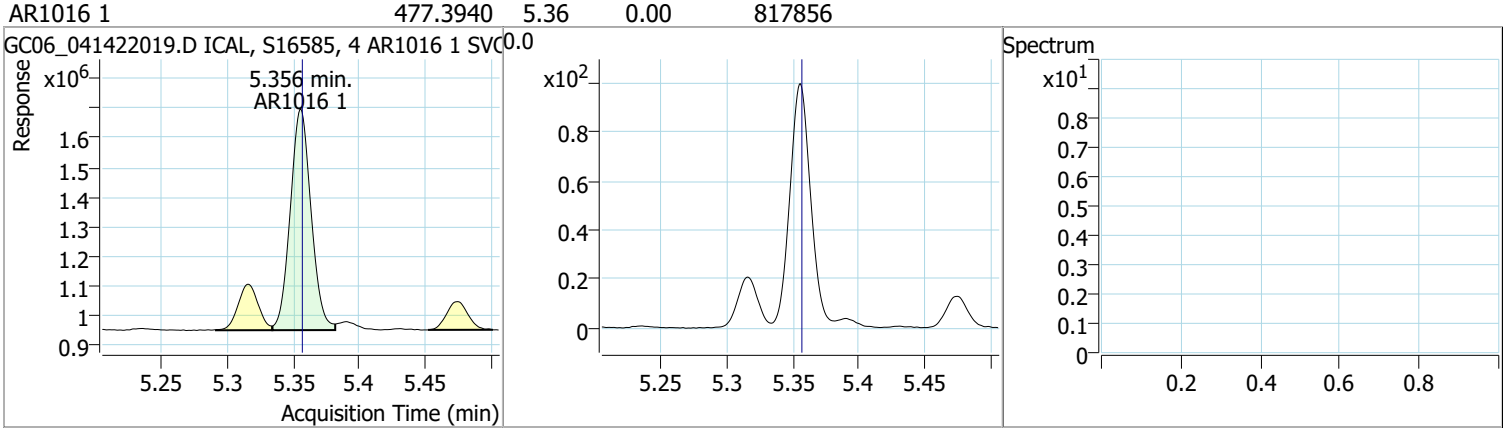
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	18.7495	5.01	0.00	1579508			



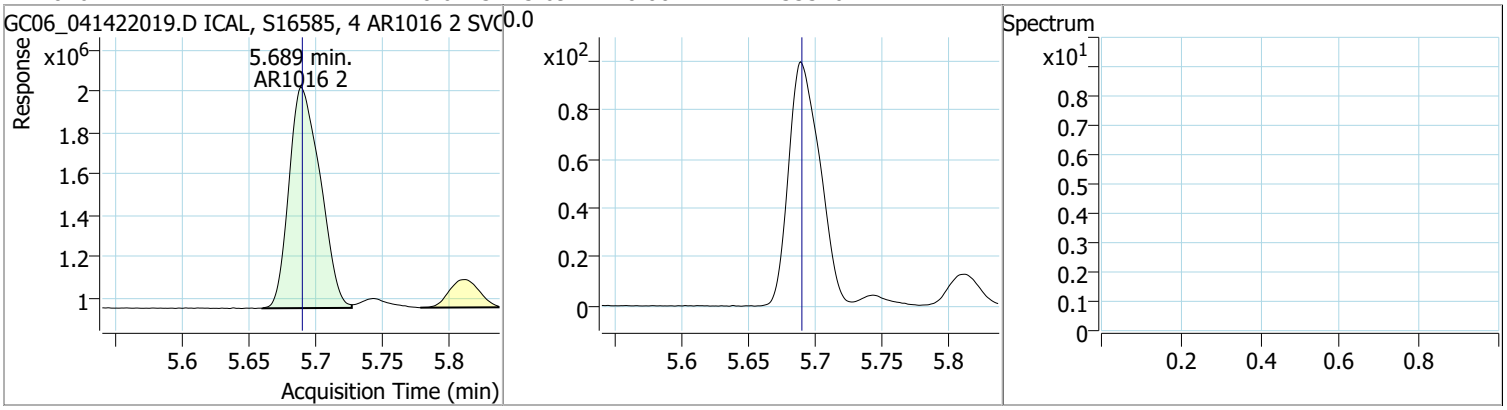
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	489.7895	5.35	0.00	2886563			



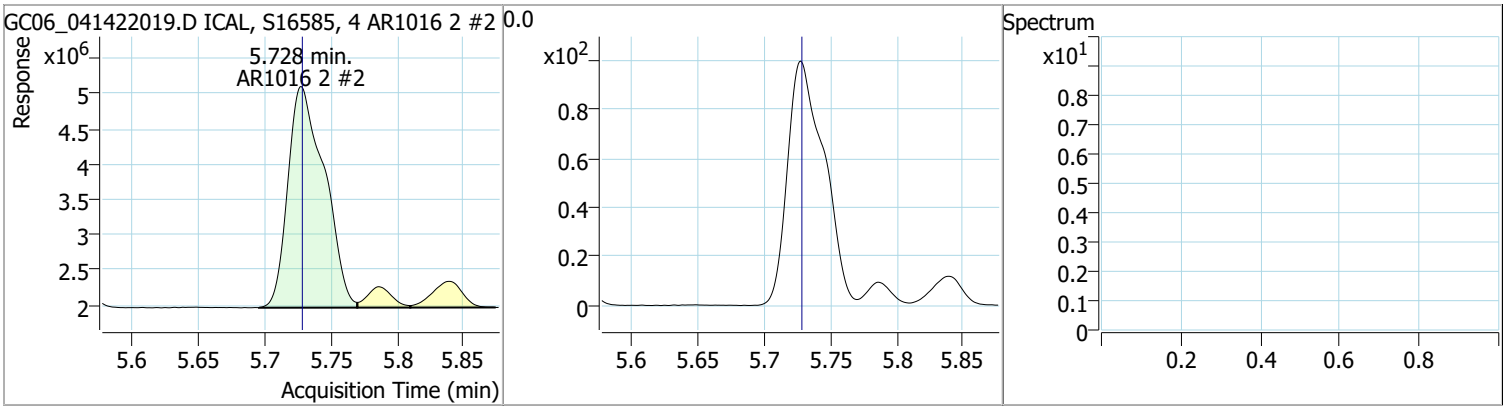
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	477.3940	5.36	0.00	817856			



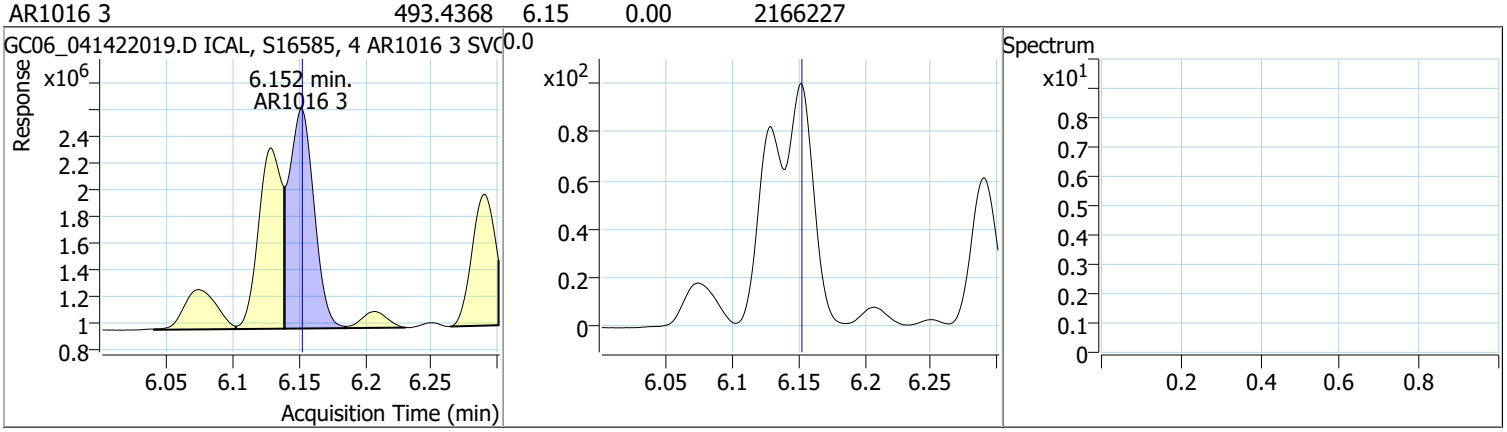
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	470.6245	5.69	0.00	1755526			



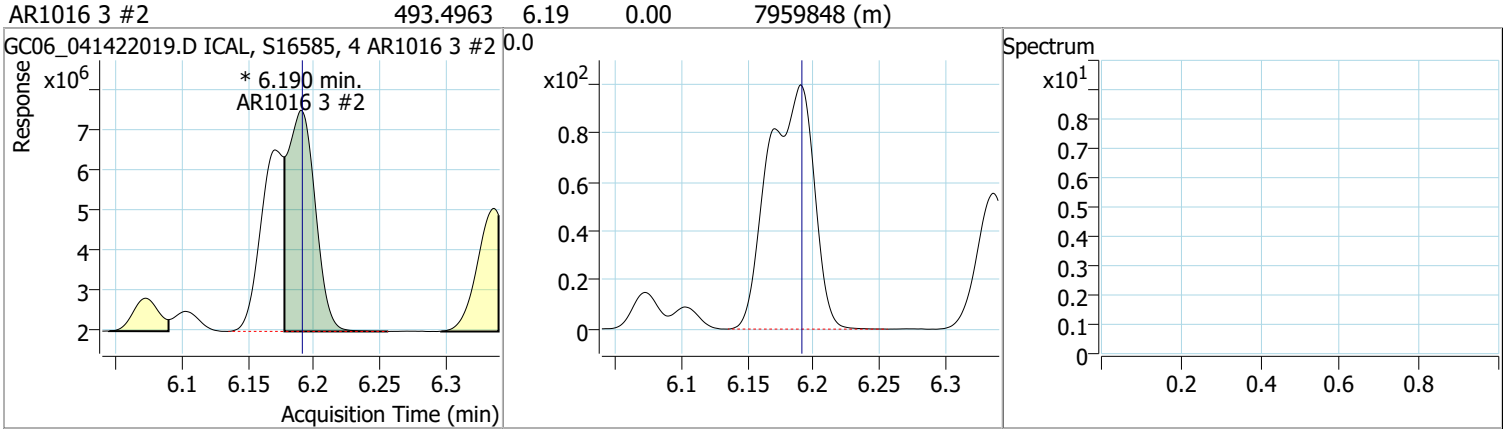
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	494.1724	5.73	0.00	6043942			



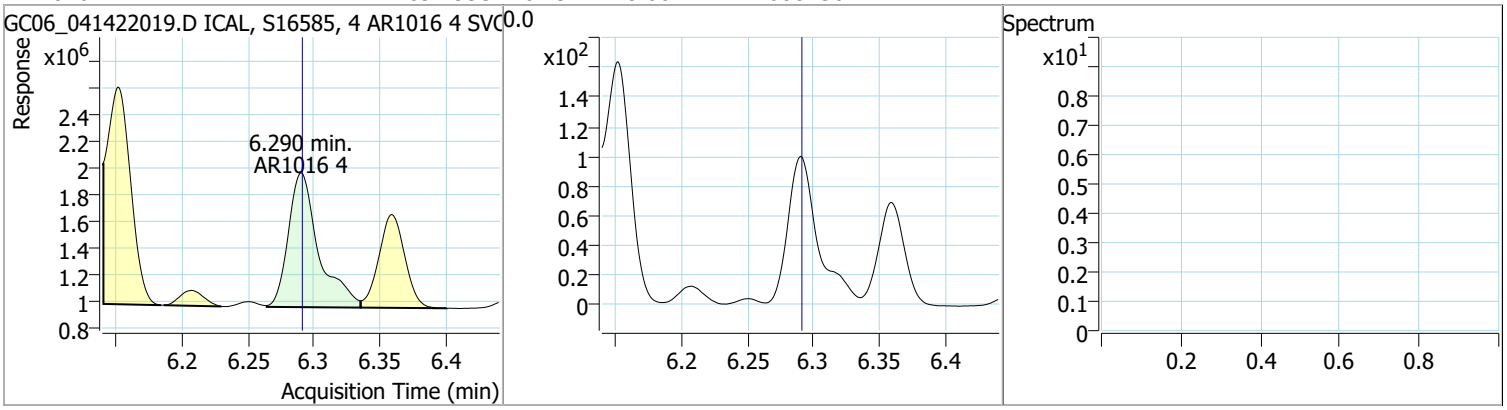
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	493.4368	6.15	0.00	2166227			



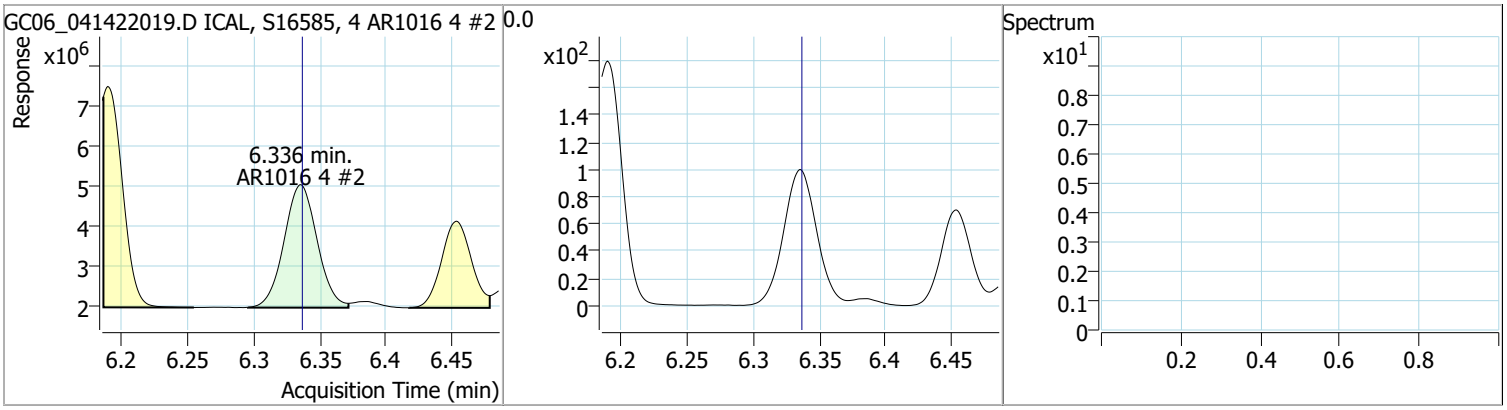
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	493.4963	6.19	0.00	7959848 (m)			



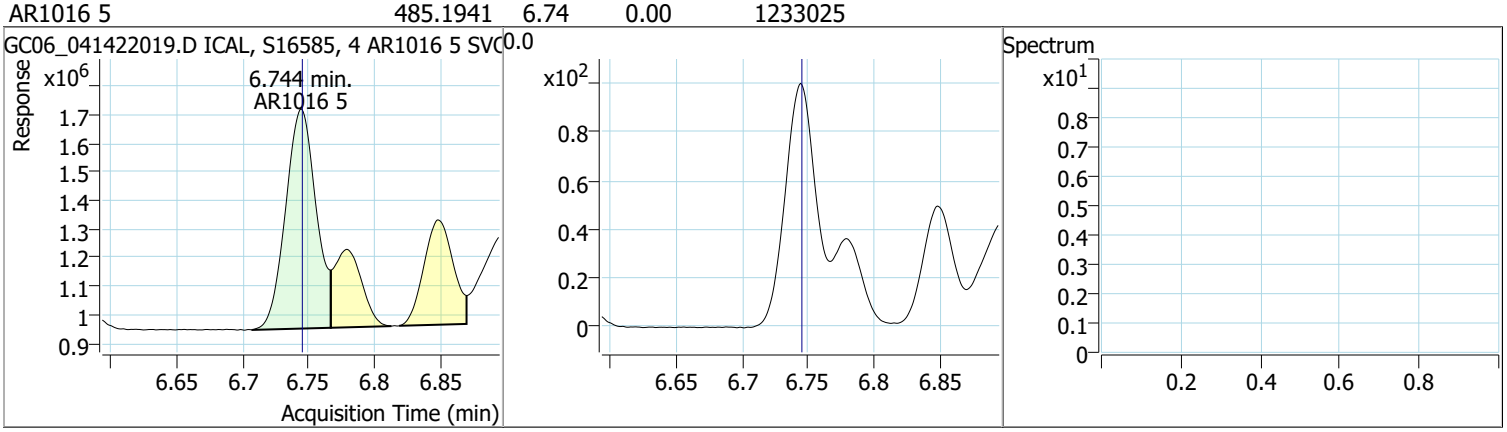
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	489.4993	6.29	0.00	1608136			



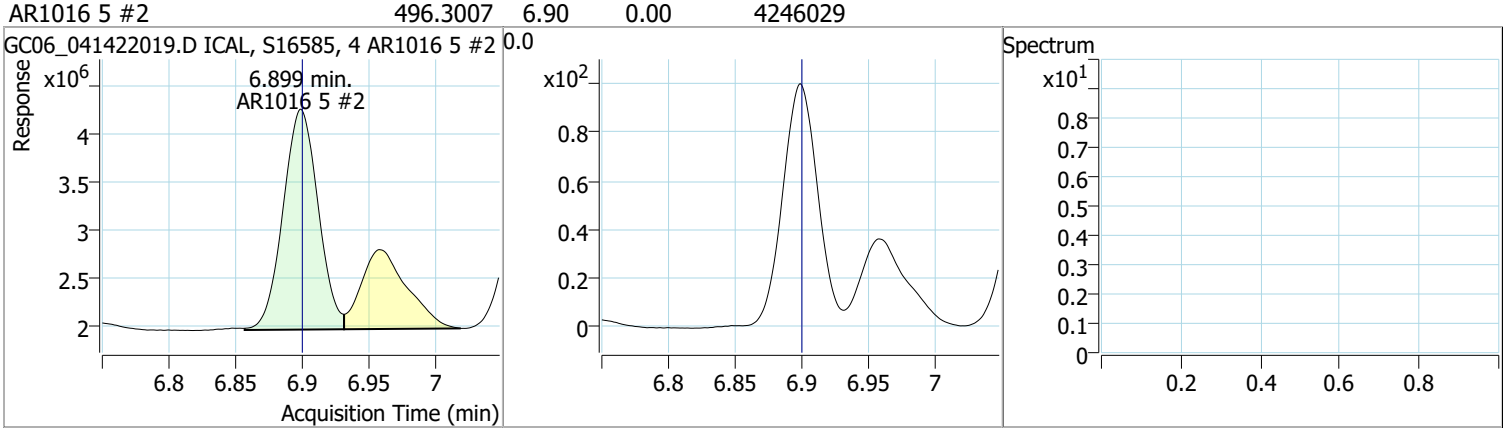
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	489.6367	6.34	0.00	5357999			



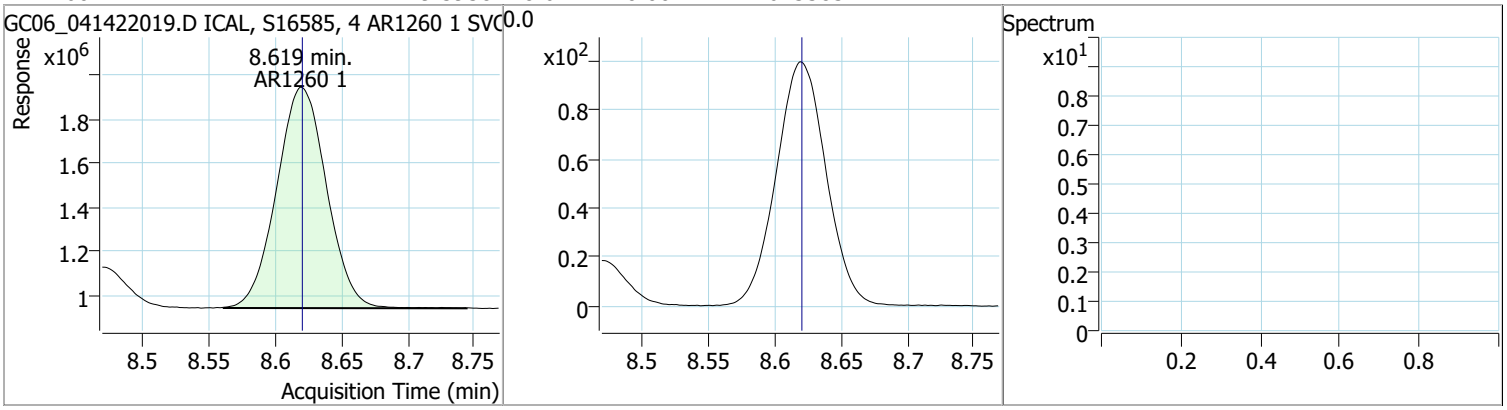
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	485.1941	6.74	0.00	1233025			



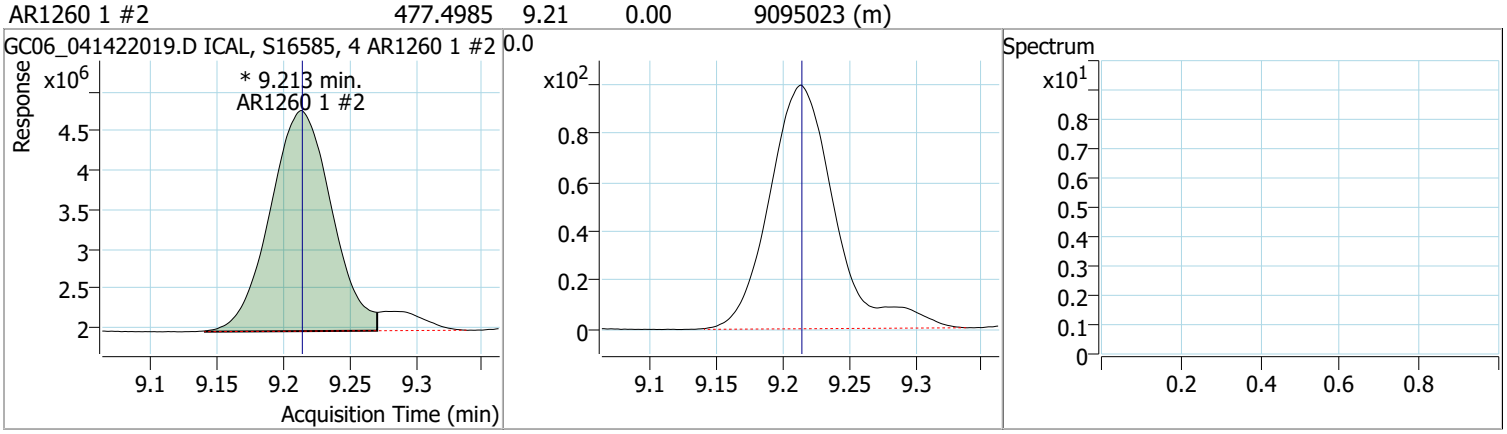
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	496.3007	6.90	0.00	4246029			



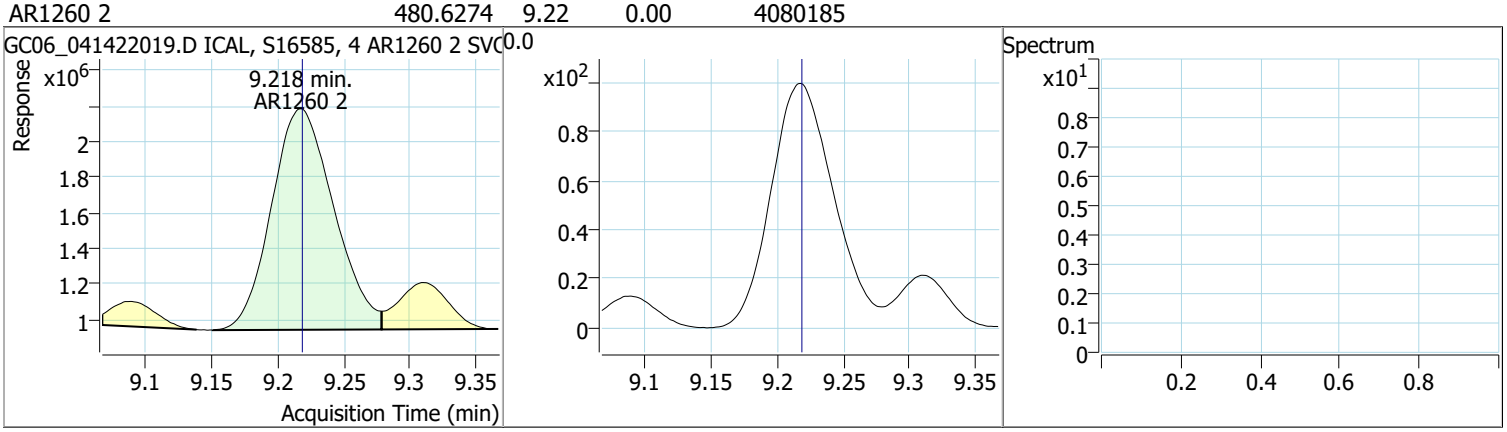
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	479.5958	8.62	0.00	2643383			



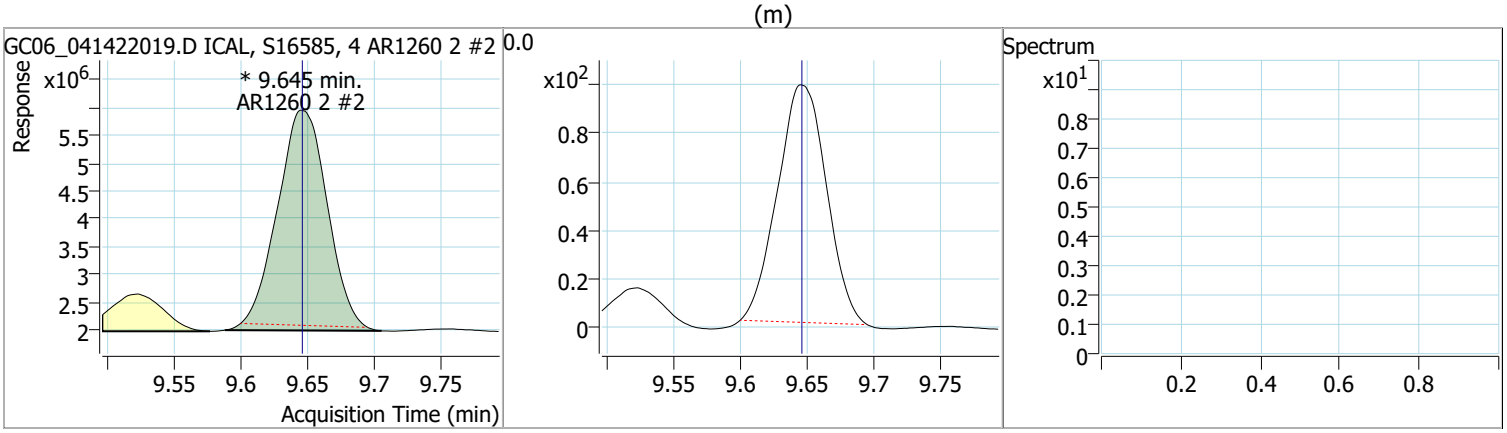
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	477.4985	9.21	0.00	9095023 (m)			



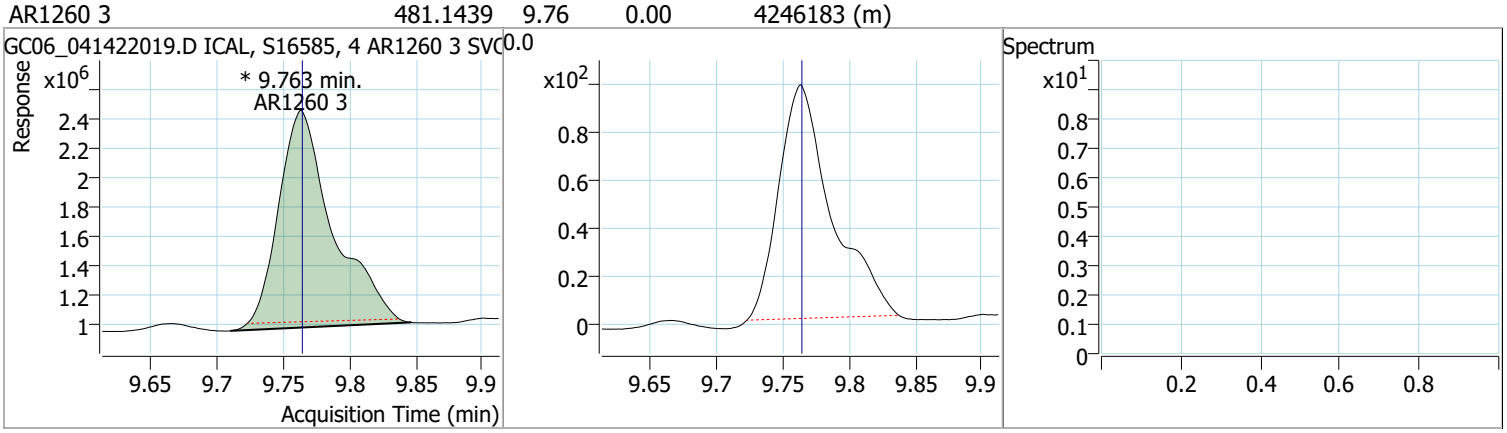
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	480.6274	9.22	0.00	4080185			



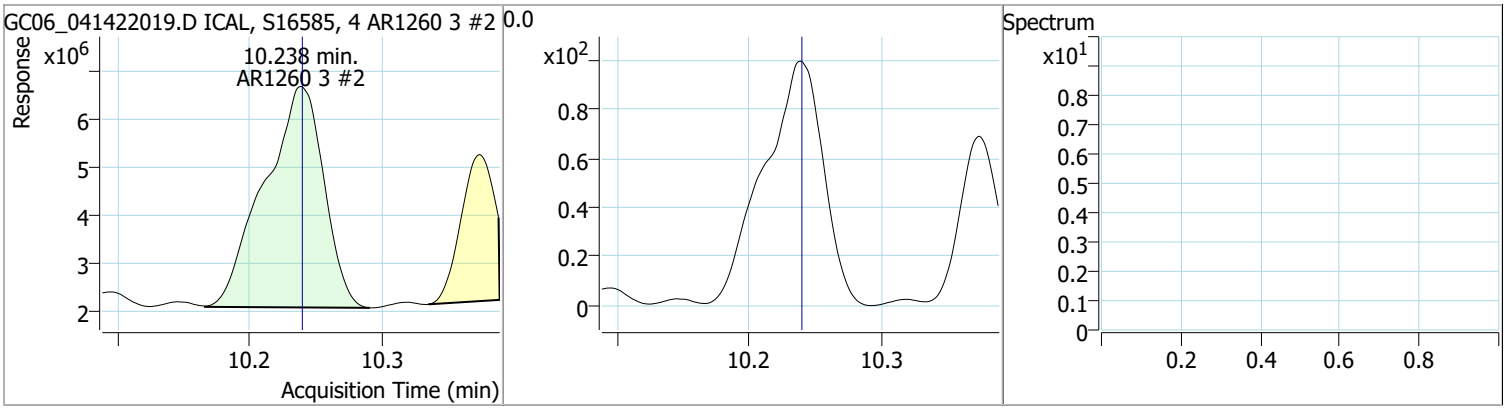
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	480.3199	9.65	0.00	10571114 (m)			



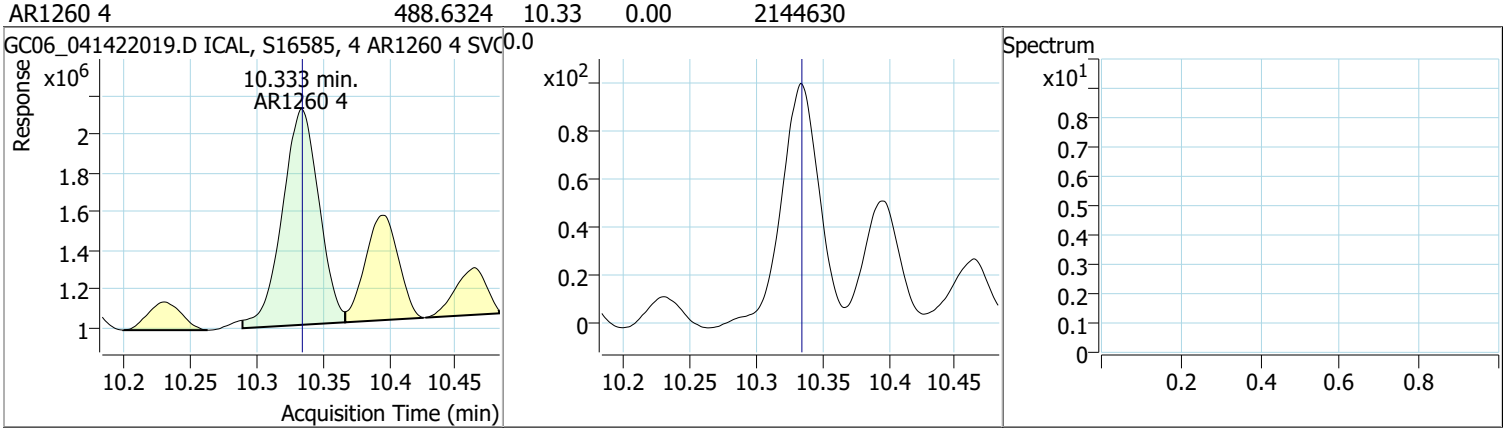
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	481.1439	9.76	0.00	4246183 (m)			



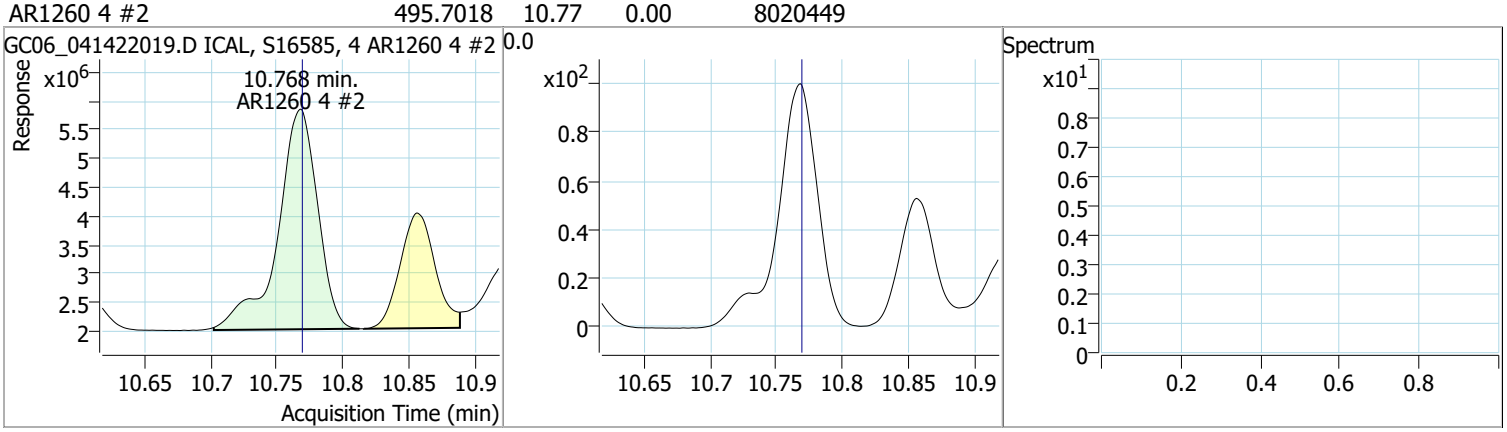
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	483.6947	10.24	0.00	14462994			



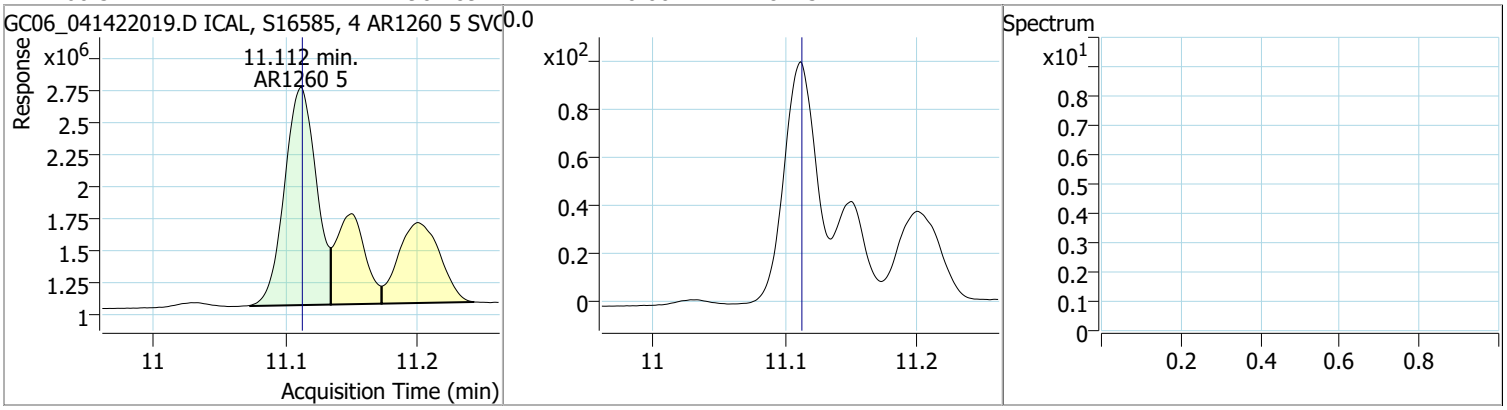
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	488.6324	10.33	0.00	2144630			



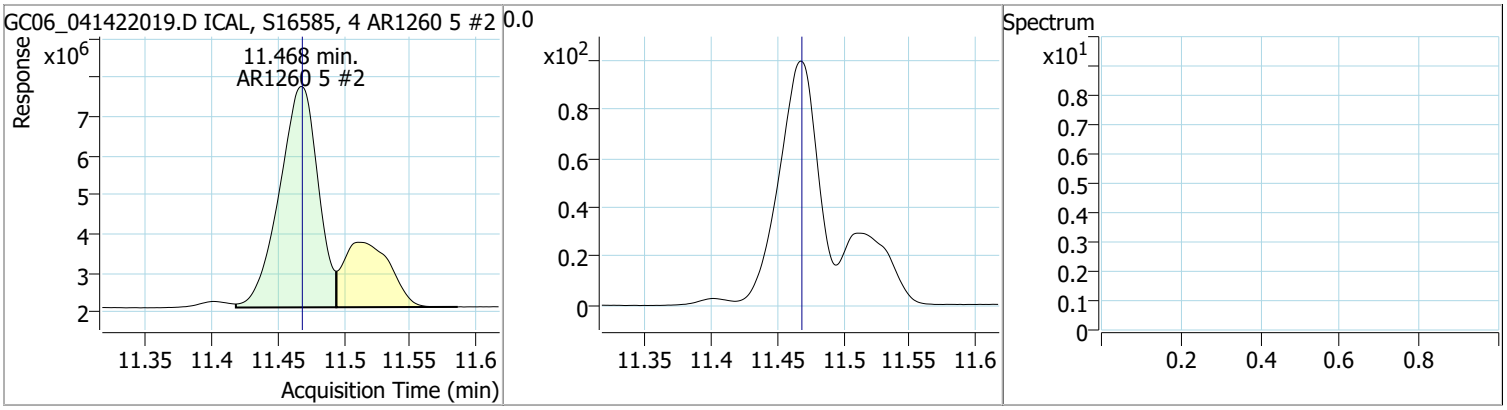
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	495.7018	10.77	0.00	8020449			



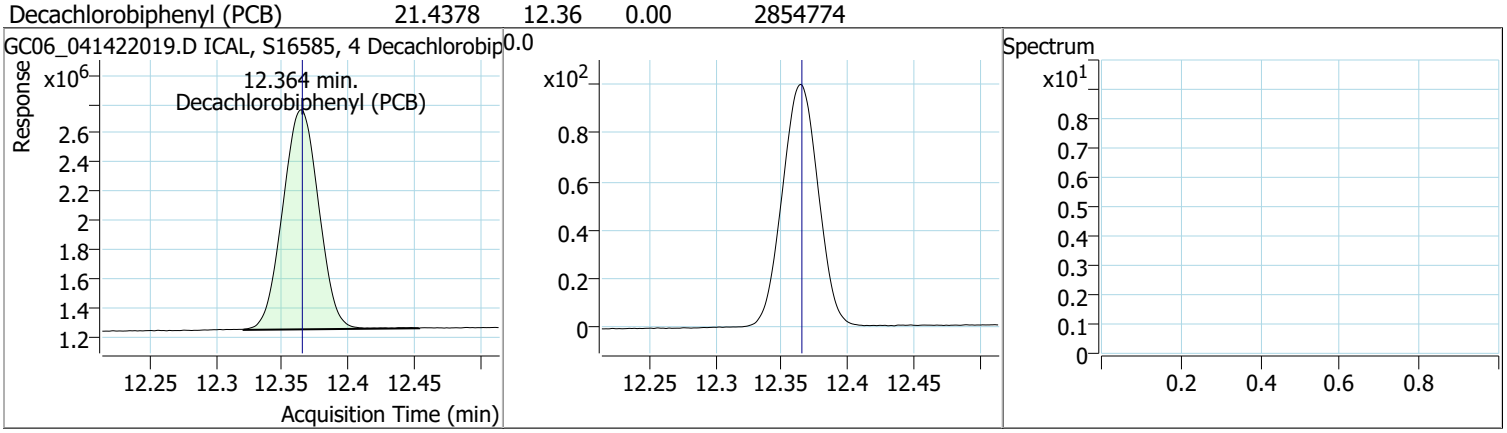
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	490.1891	11.11	0.00	2847527			



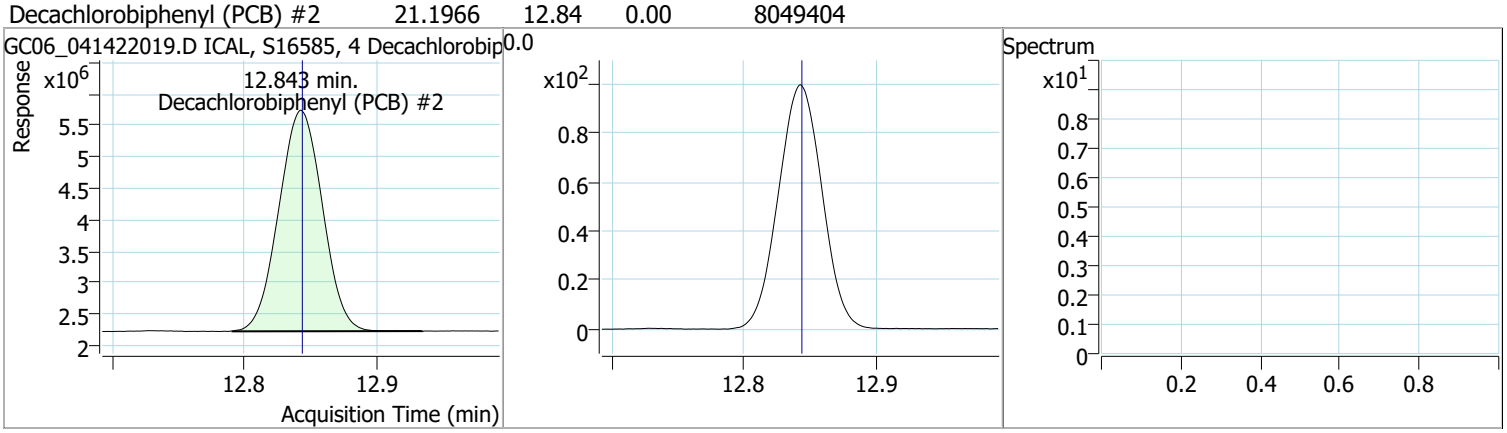
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	480.9254	11.47	0.00	11472329			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	21.4378	12.36	0.00	2854774			

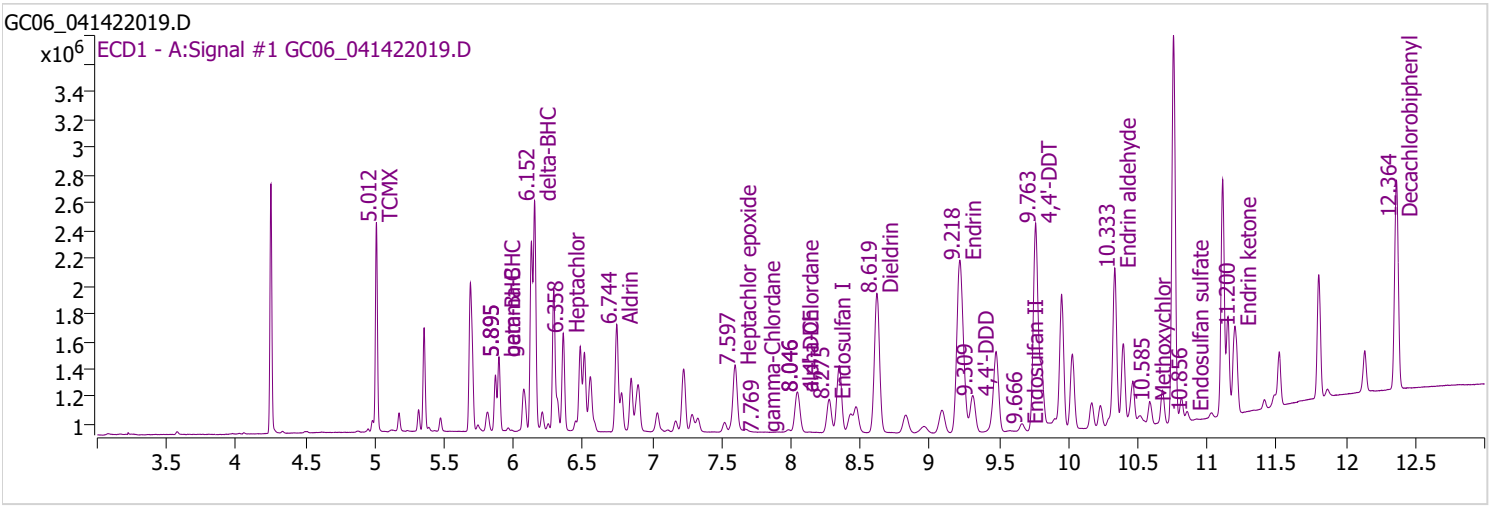


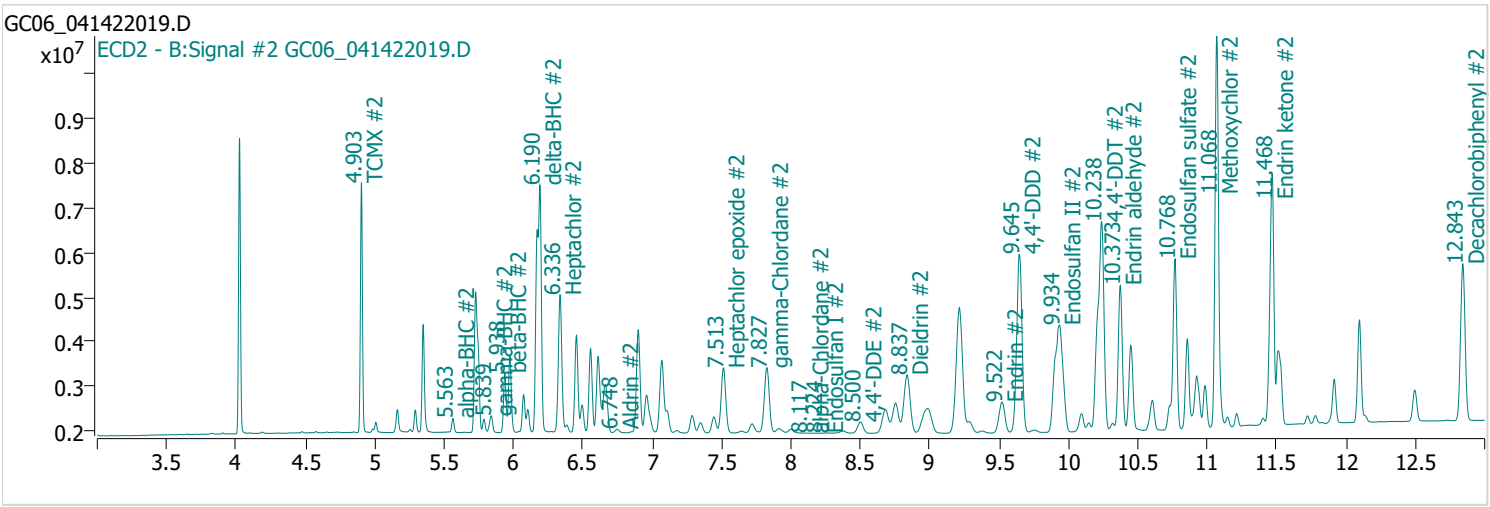
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	21.1966	12.84	0.00	8049404			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422019.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:51:33 PM
Sample Name	ICAL, S16585, 4	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 115	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 8:05:48 PM



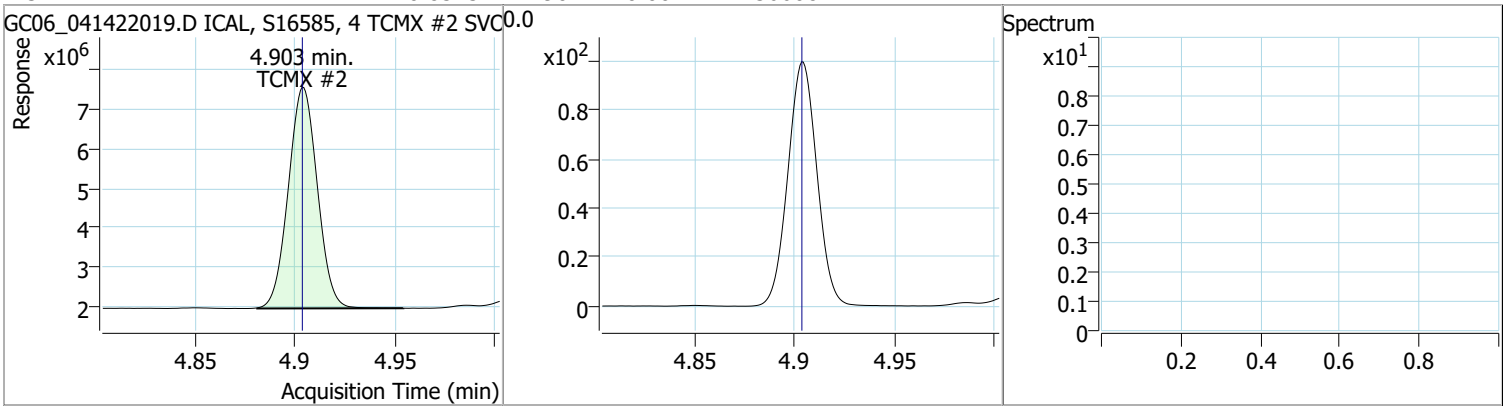


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.252	4.025	1741966	6286733	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.012	4.903	1580217	5660824	19.748	20.854	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	98.74%	104.27%	
S Decachlorobiphenyl	12.364	12.843	2820629	8017653	23.025	22.327	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	115.13%	111.64%	
Target Compounds							
T alpha-BHC	----	5.563 f	0	343211	N.D.	1.427 #	ng/ml
T gamma-BHC	5.895	5.839	657278	532329	8.878	2.180 #	ng/ml
T beta-BHC	5.895	5.938	655012	1711470	17.265	11.915 #	ng/ml
T delta-BHC	6.152	6.190	2131988	13330961	21.086	27.383 #	ng/ml
T Heptachlor	6.358	6.336	849316	5357740	10.881	16.005 #	ng/ml
T Aldrin	6.744	6.748	1231822	147229	14.681	0.576 #	ng/ml
T Heptachlor epoxide	7.597	7.513	1044332	3071162	12.958	11.243	ng/ml
T gamma-Chlordane	7.769	7.827	1352	3546430	0.022	11.949 #	ng/ml
T alpha-Chlordane	8.046	8.117	460118	759	7.073	0.004 #	ng/ml

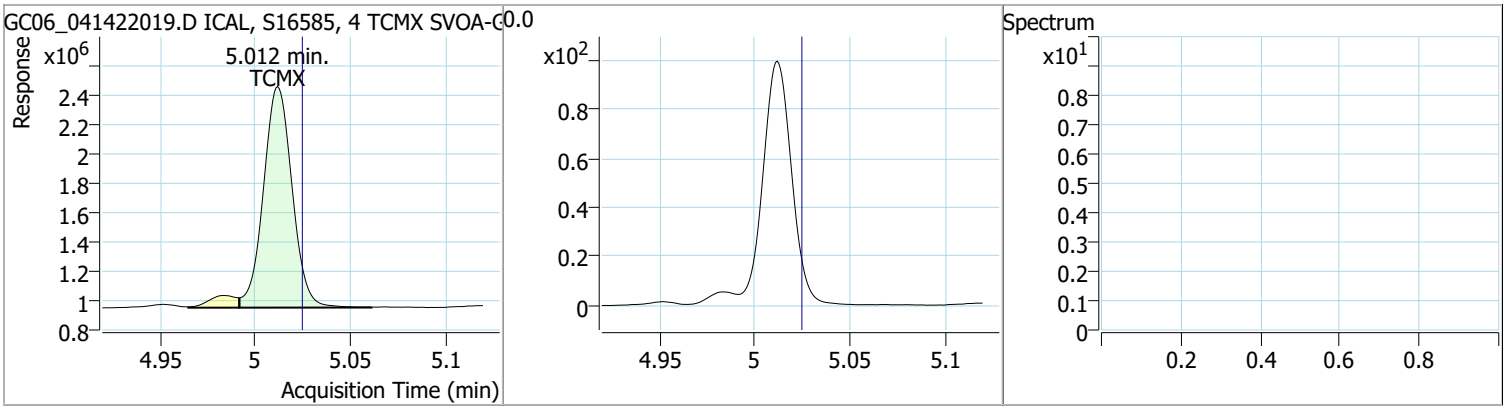
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.275	8.224	543392	2878	8.821	0.014 #	ng/ml
T 4,4'-DDE	8.046	8.500 f	708218	696359	11.132	3.563 #	ng/ml
T Dieldrin	8.619	8.837	2625480	2765724	30.940	11.722 #	ng/ml
T Endrin	9.218	9.522	3891311	2017240	43.217	9.696 #	ng/ml
T 4,4'-DDD	9.309	9.645 f	404913	9764947	8.727	46.238 #	ng/ml
T Endosulfan II	9.666	9.934 f	108827	9923288	1.831	34.228 #	ng/ml
T 4,4'-DDT	9.763	10.238	4068912	14395011	58.202	43.868	ng/ml
T Endrin aldehyde	10.333	10.373	1982540	6406259	33.760	30.834	ng/ml
T Endosulfan sulfate	10.856	10.768	56701	8033382	1.088	33.210 #	ng/ml
T Methoxychlor	10.585	11.068 f	250002	15855033	7.826	116.391 #	ng/ml
T Endrin ketone	11.200	11.468 f	1061145	10465973	14.492	33.494 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

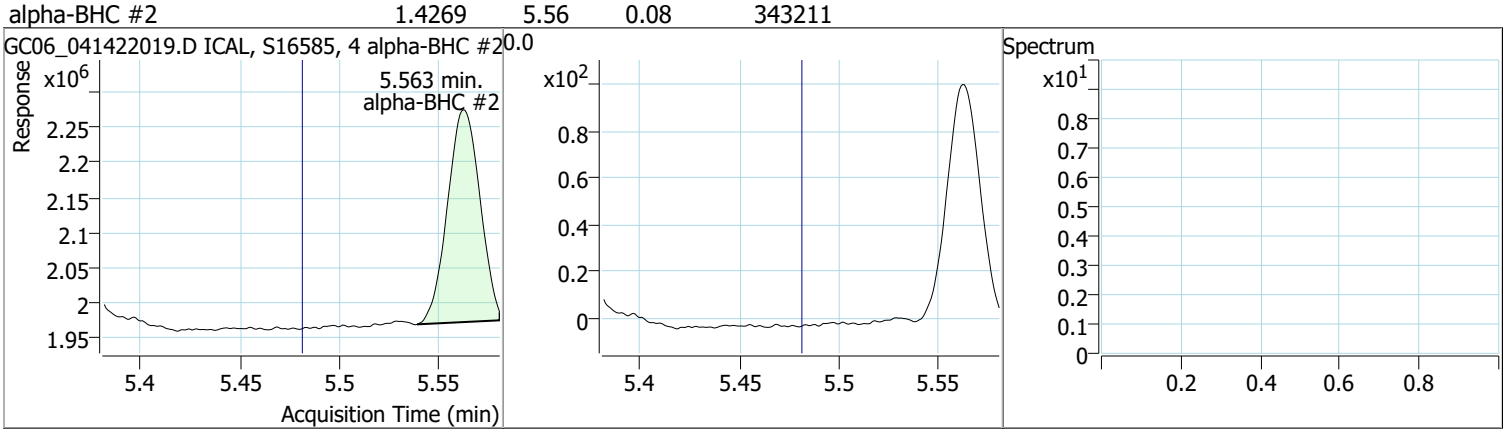
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	20.8545	4.90	0.00	5660824			



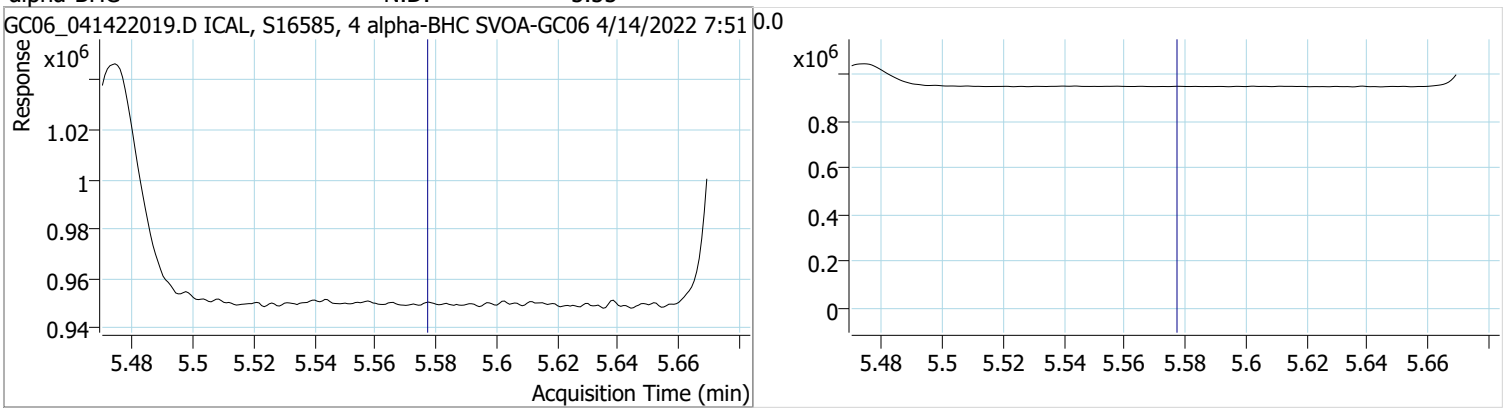
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	19.7478	5.01	0.01	1580217			



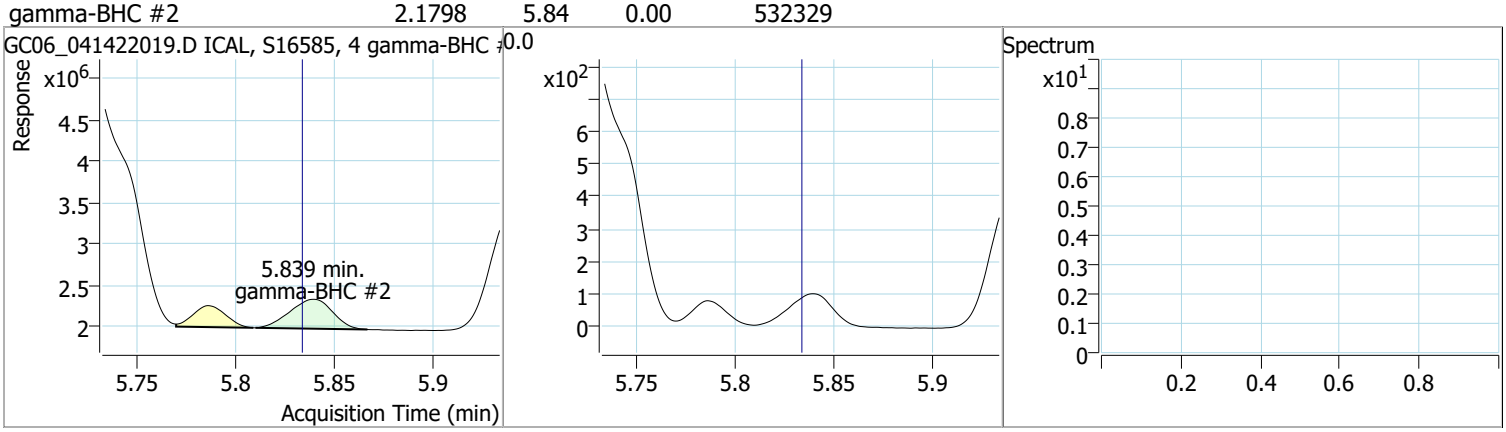
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	1.4269	5.56	0.08	343211			



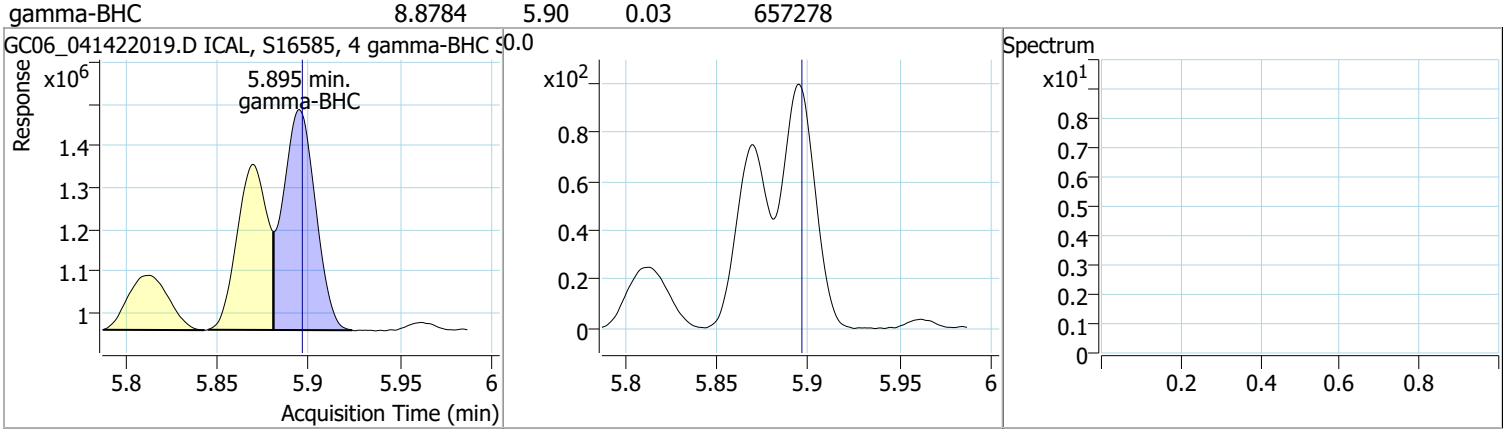
Compound	Conc.		Exp Ratio
alpha-BHC	N.D.	5.55	



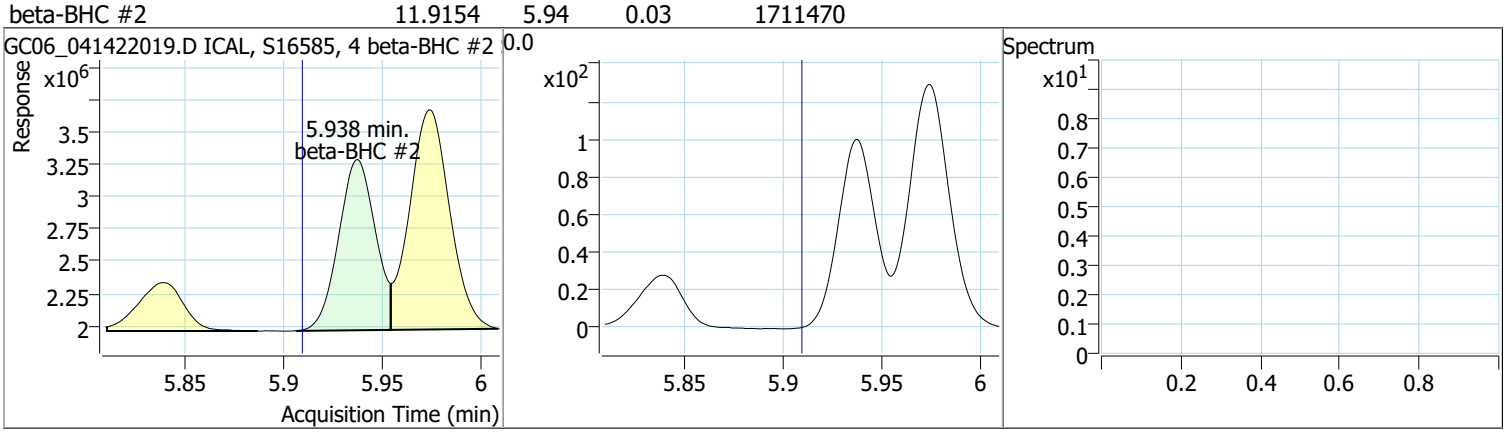
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	2.1798	5.84	0.00	532329			



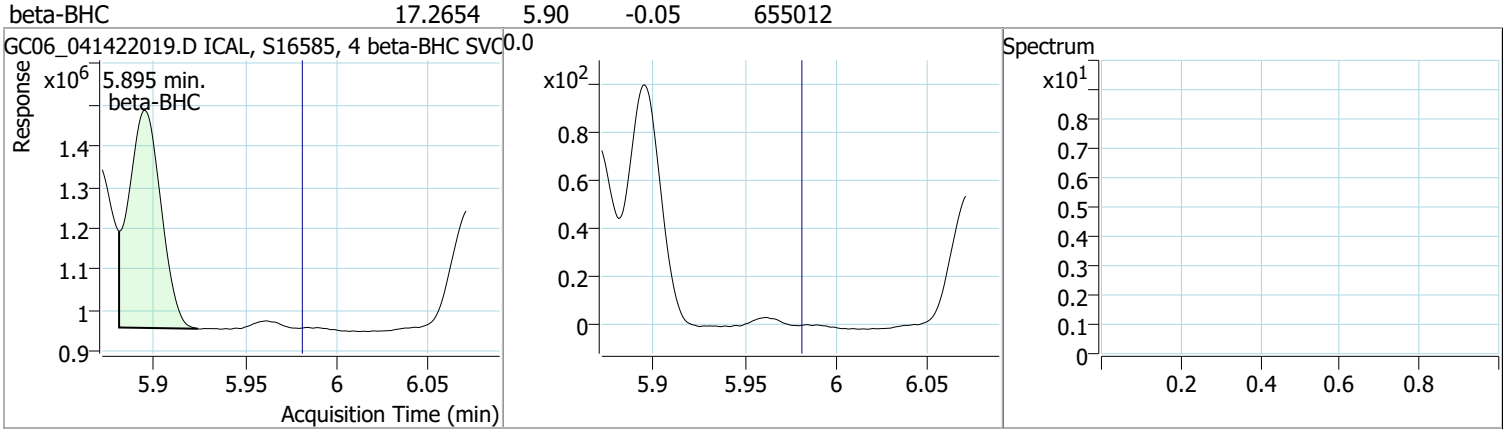
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	8.8784	5.90	0.03	657278			



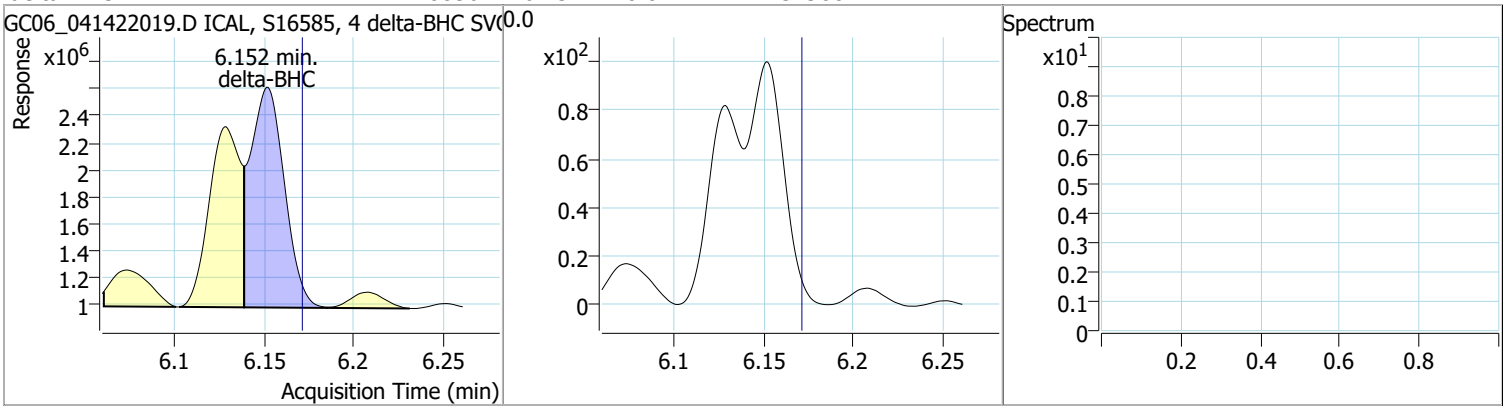
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	11.9154	5.94	0.03	1711470			



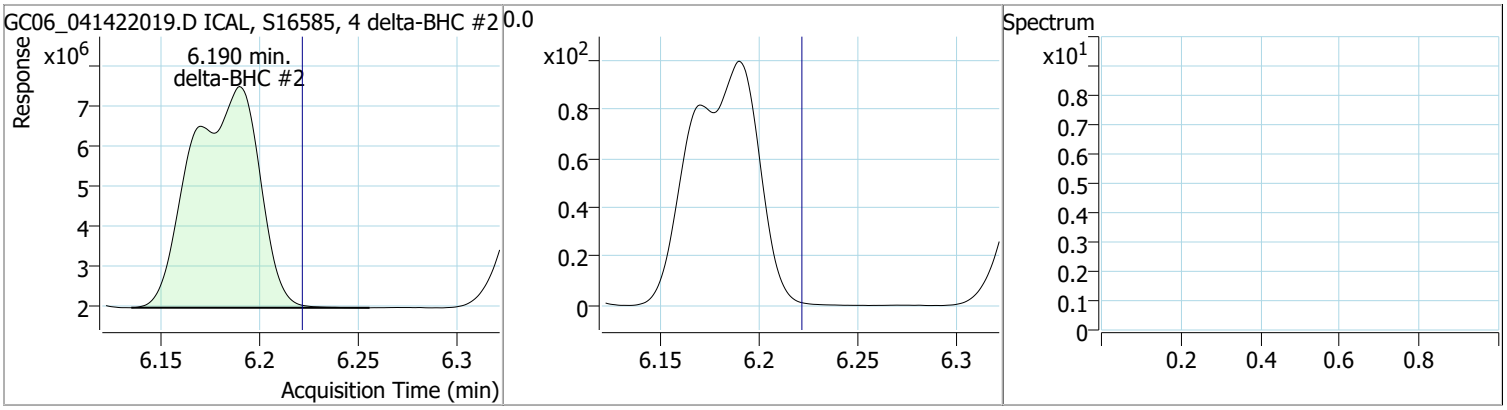
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	17.2654	5.90	-0.05	655012			



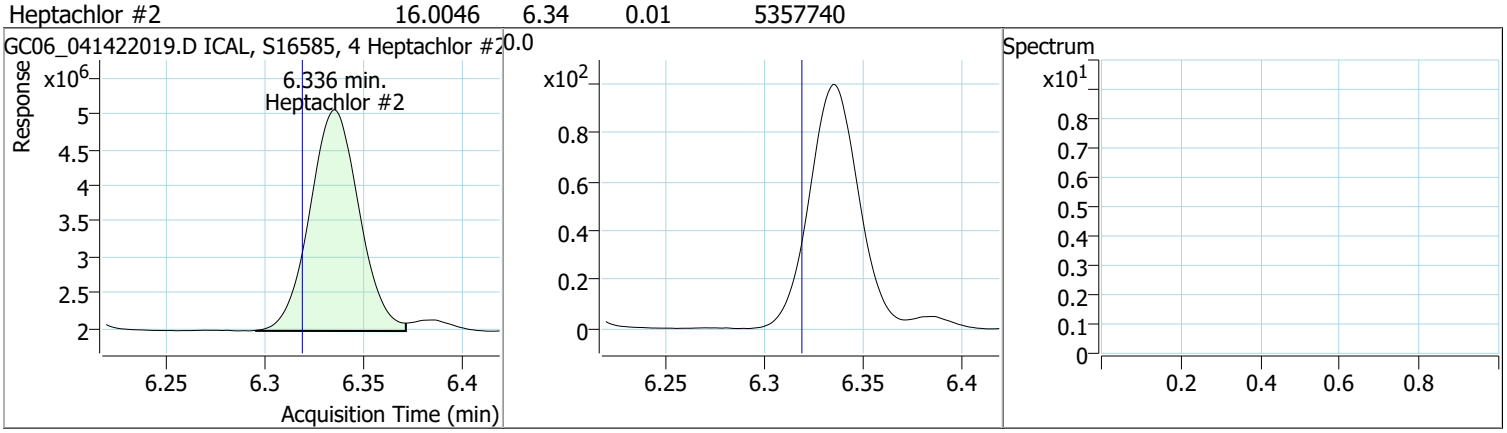
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	21.0856	6.15	0.01	2131988			



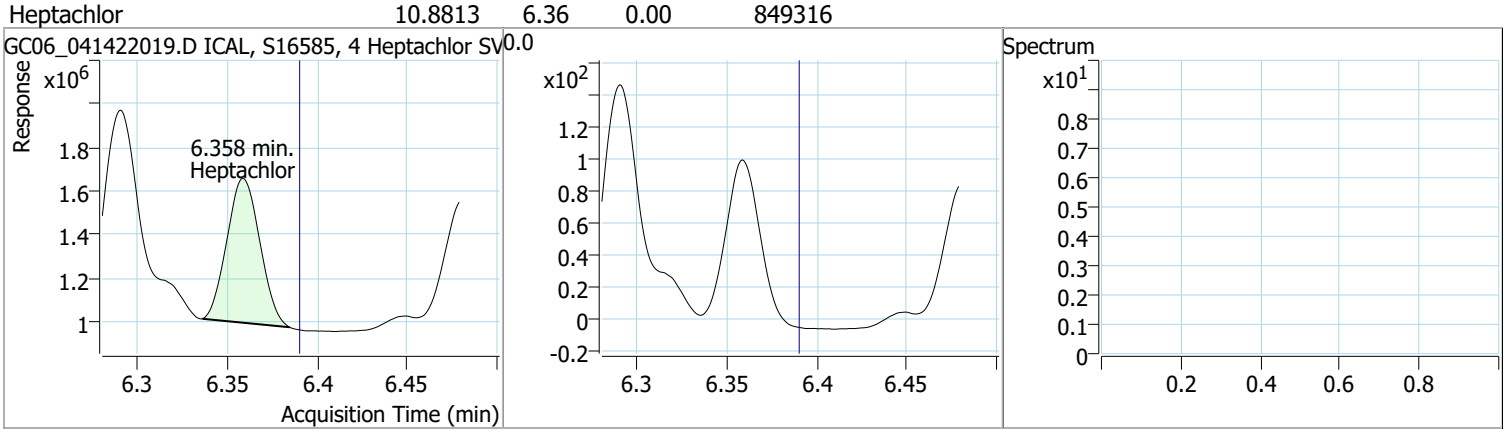
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	27.3833	6.19	-0.03	13330961			



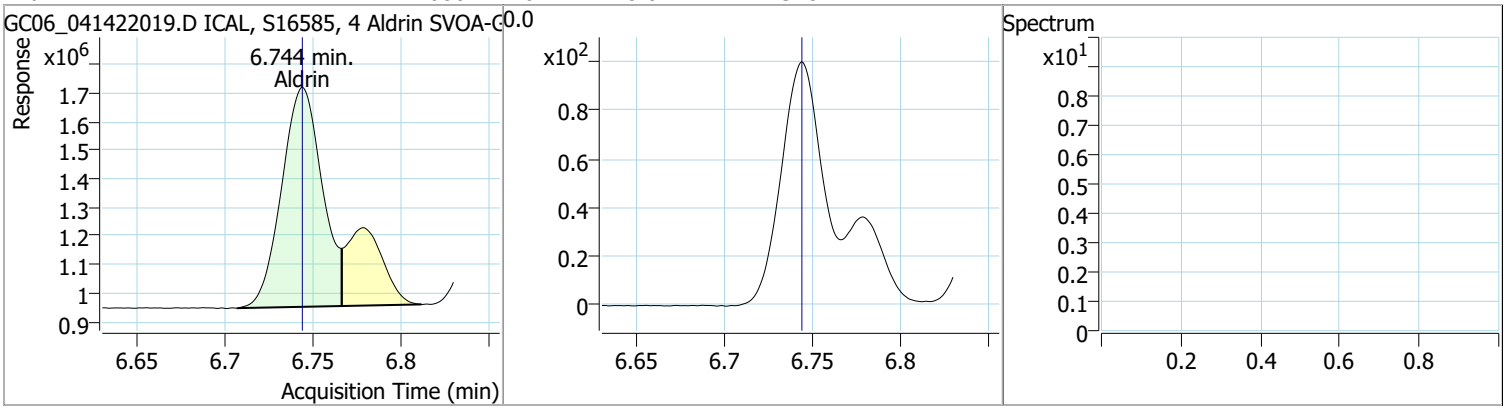
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	16.0046	6.34	0.01	5357740			



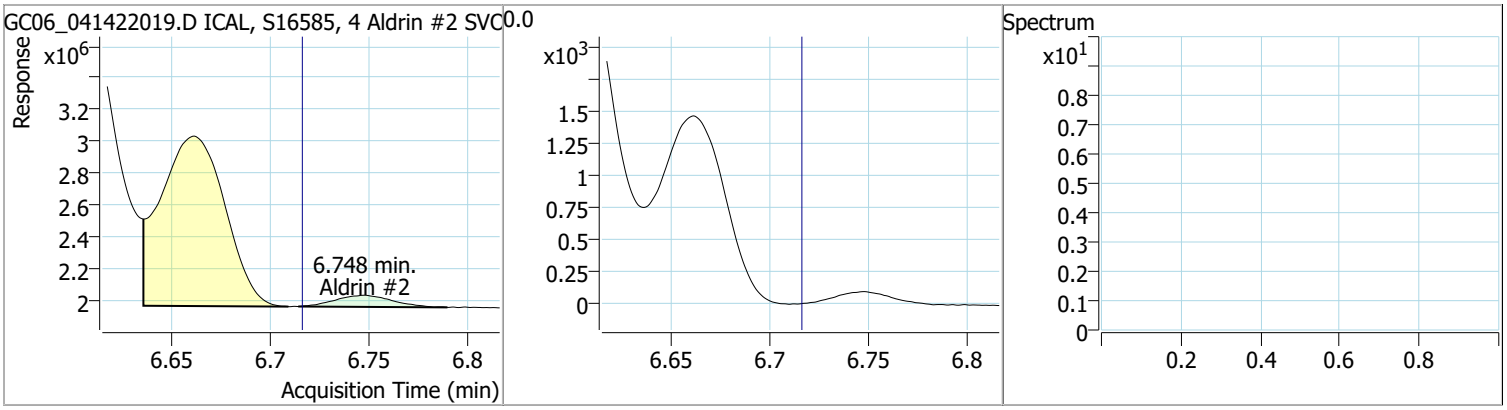
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	10.8813	6.36	0.00	849316			



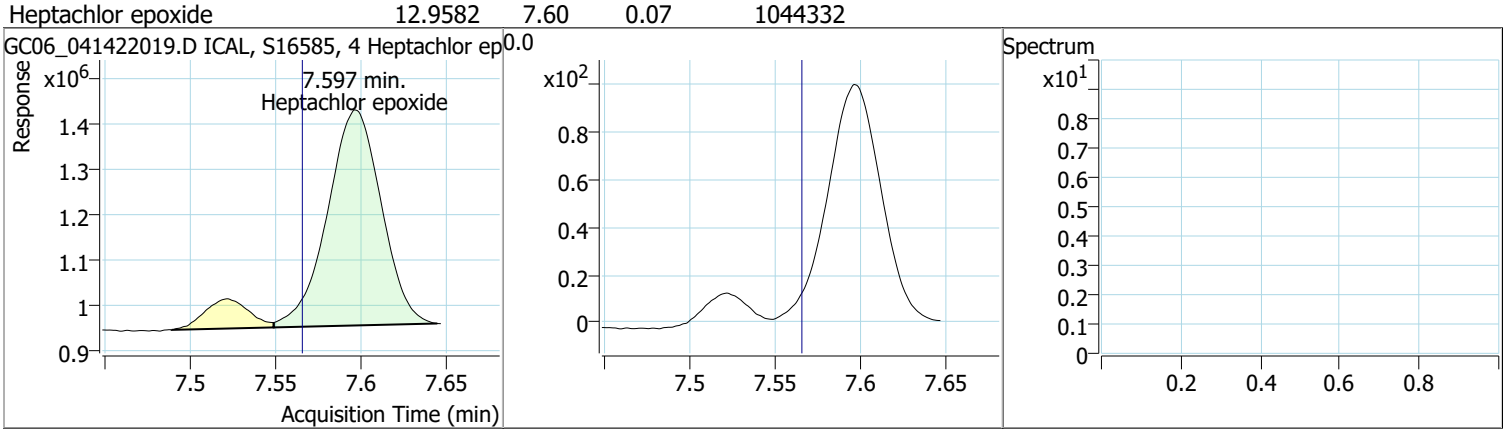
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	14.6807	6.74	0.04	1231822			



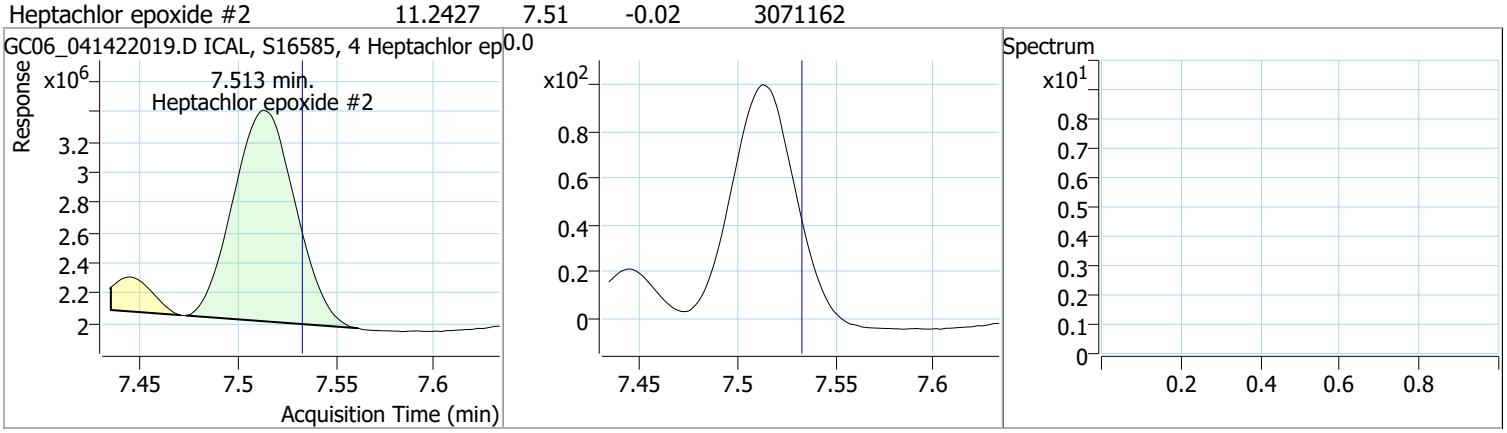
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	0.5761	6.75	0.03	147229			



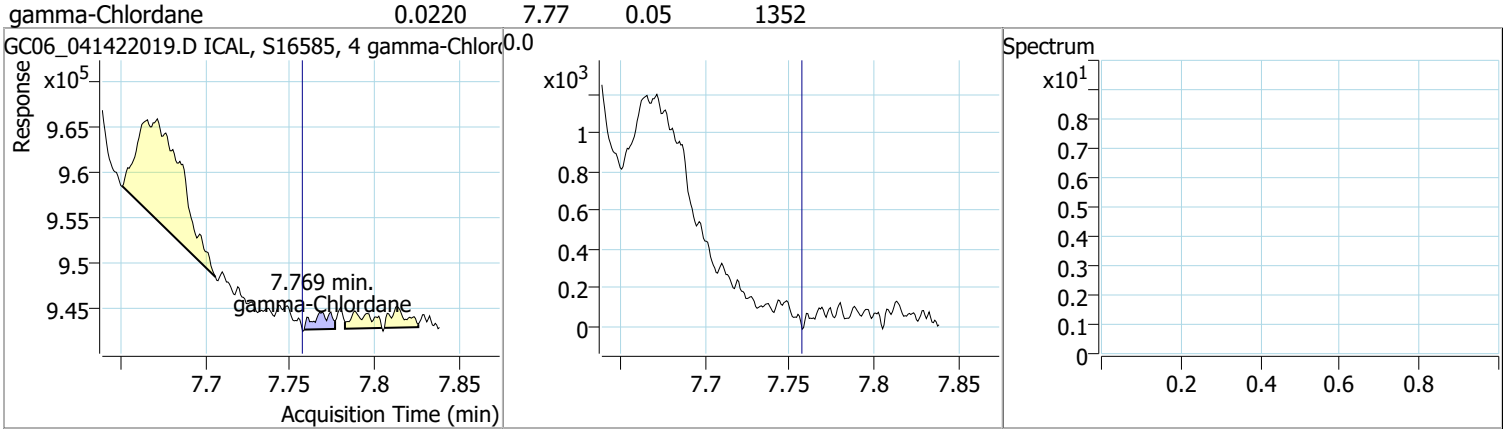
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	12.9582	7.60	0.07	1044332			



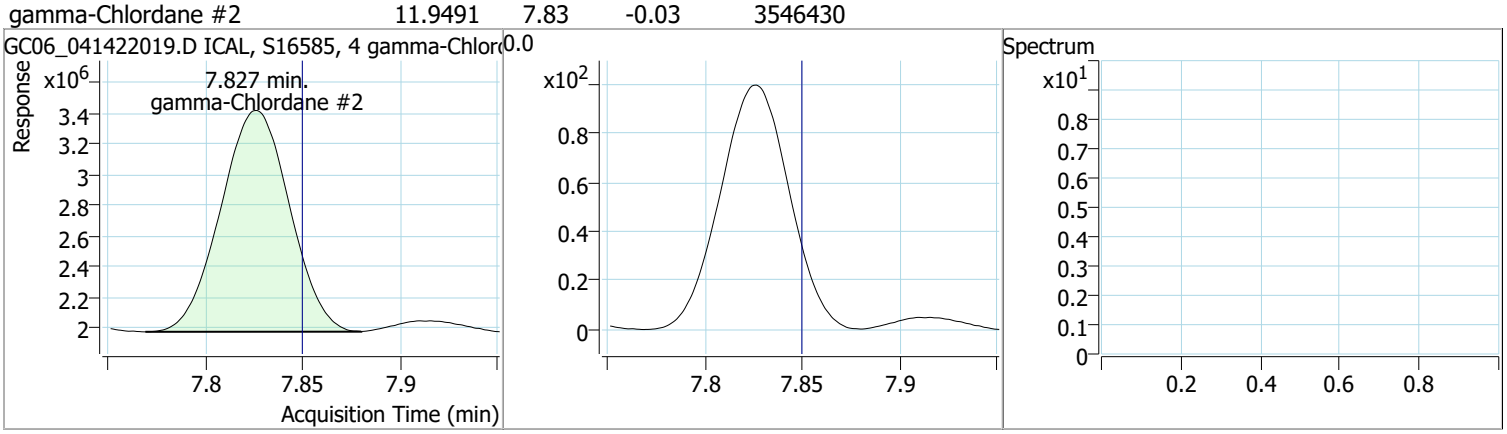
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	11.2427	7.51	-0.02	3071162			



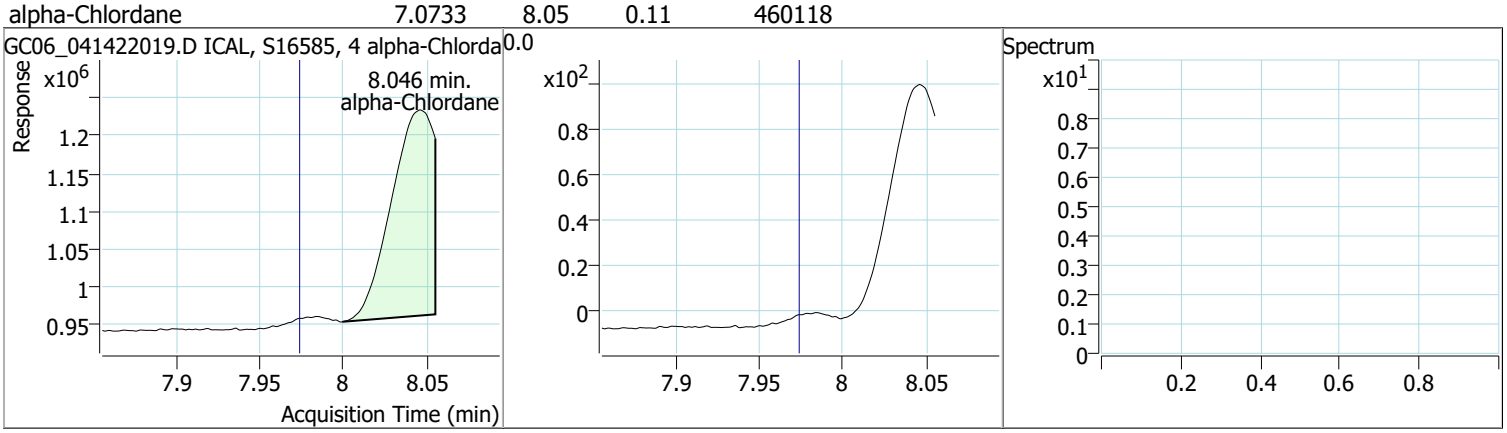
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0220	7.77	0.05	1352			



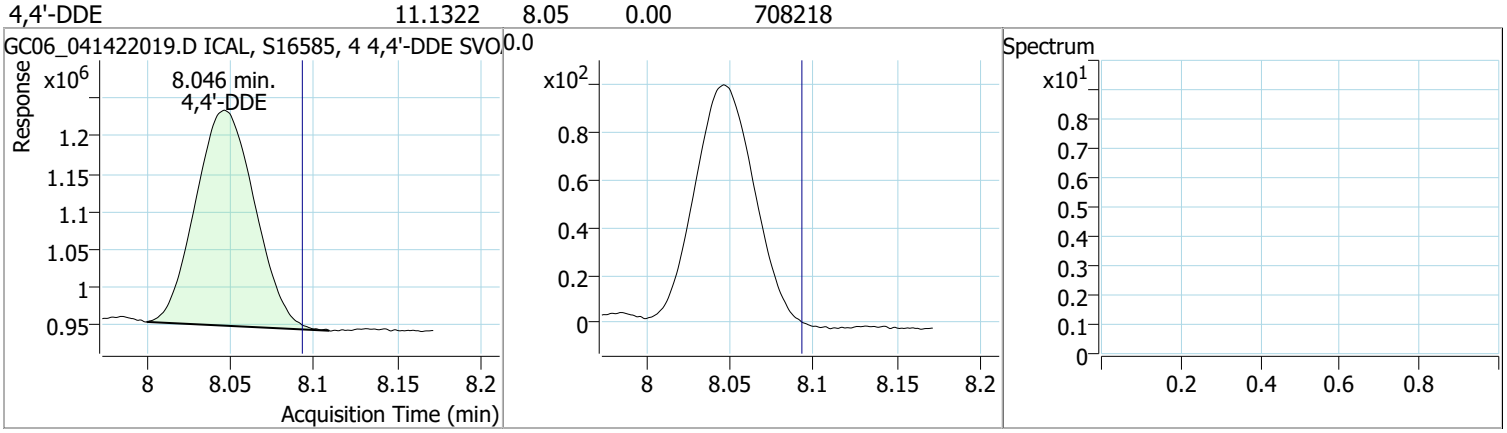
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	11.9491	7.83	-0.03	3546430			



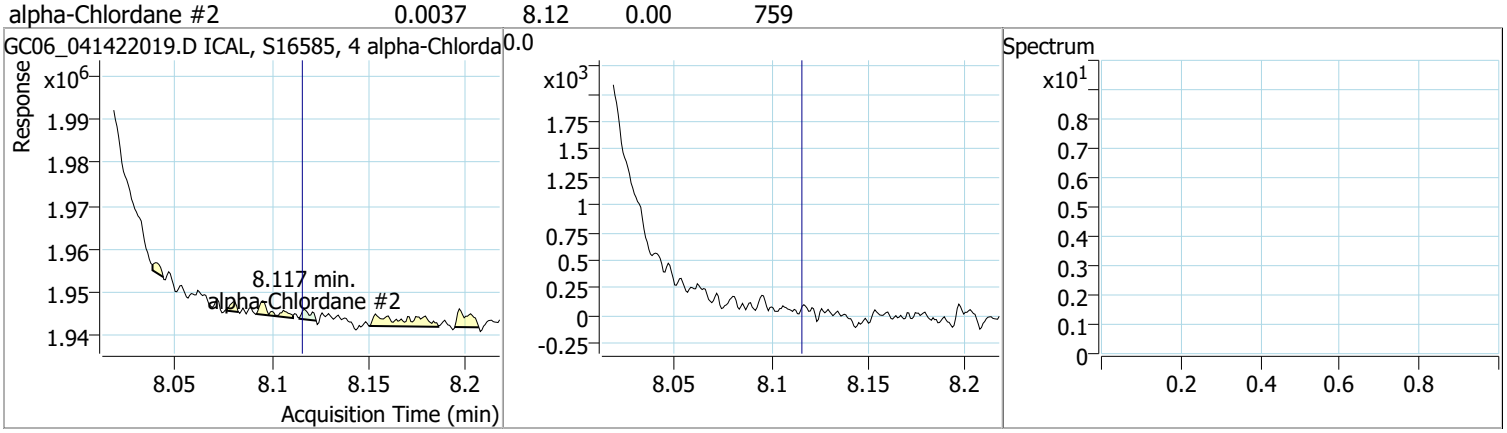
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	7.0733	8.05	0.11	460118			



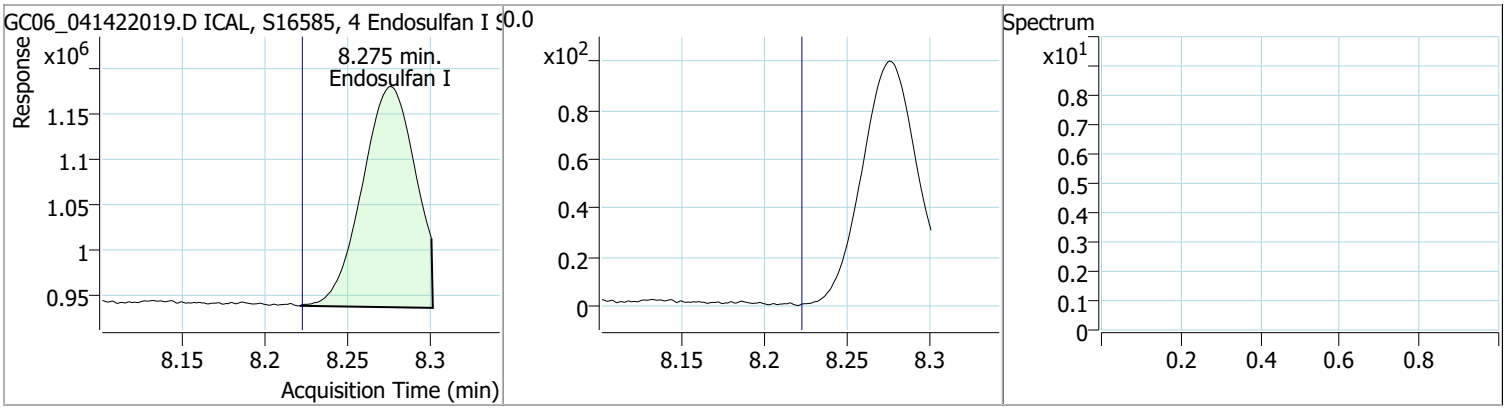
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	11.1322	8.05	0.00	708218			



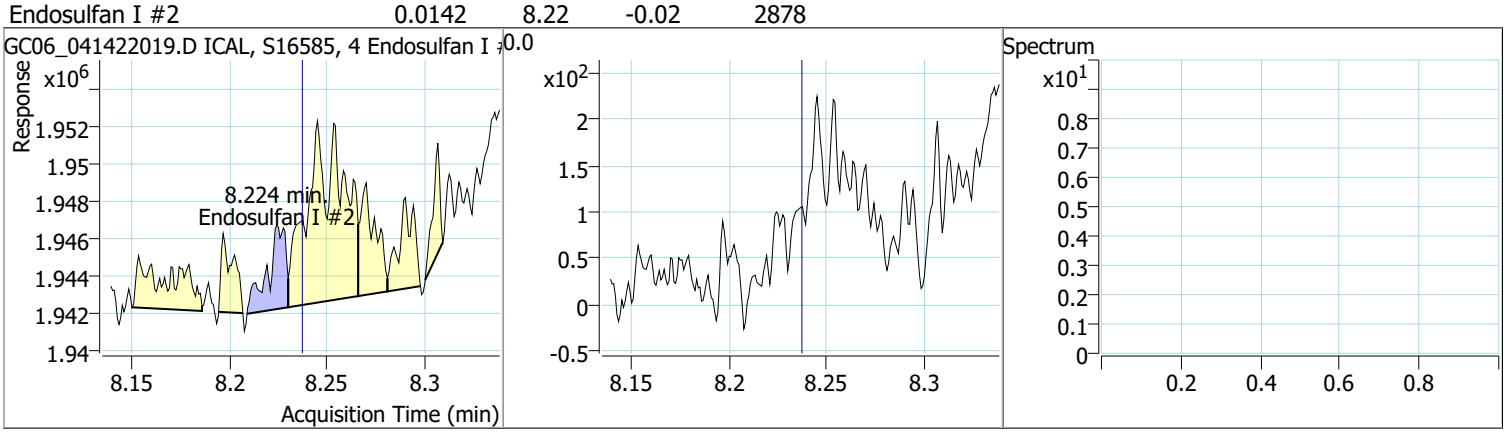
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0037	8.12	0.00	759			



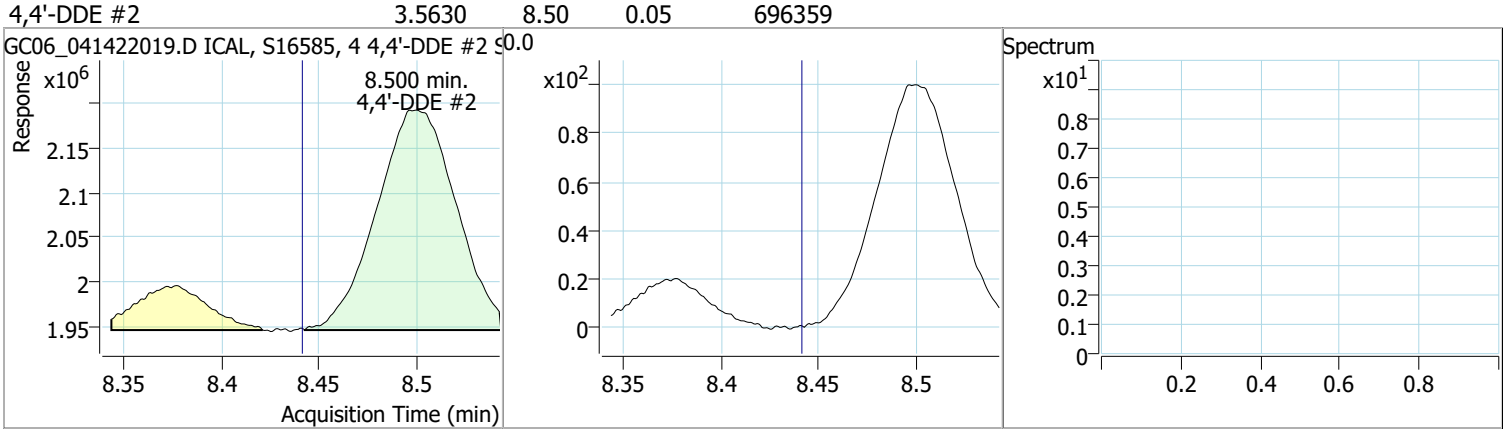
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	8.8210	8.28	0.10	543392			



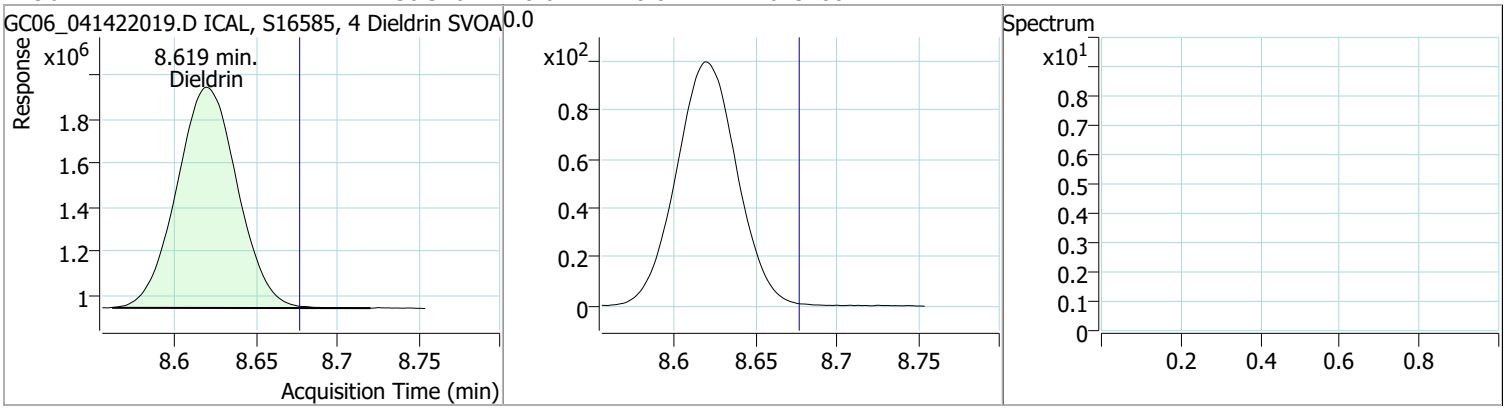
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.0142	8.22	-0.02	2878			



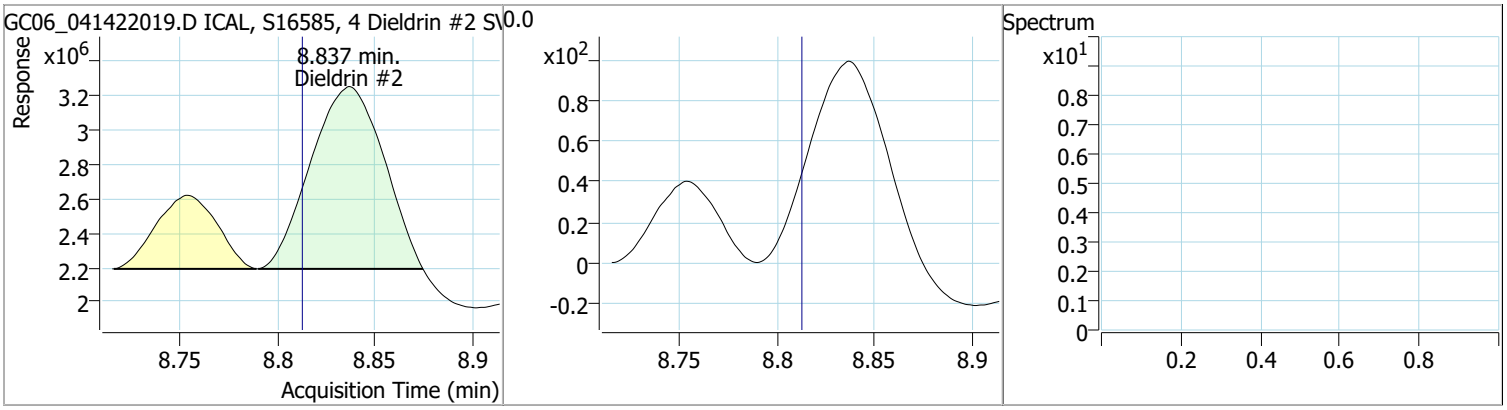
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	3.5630	8.50	0.05	696359			



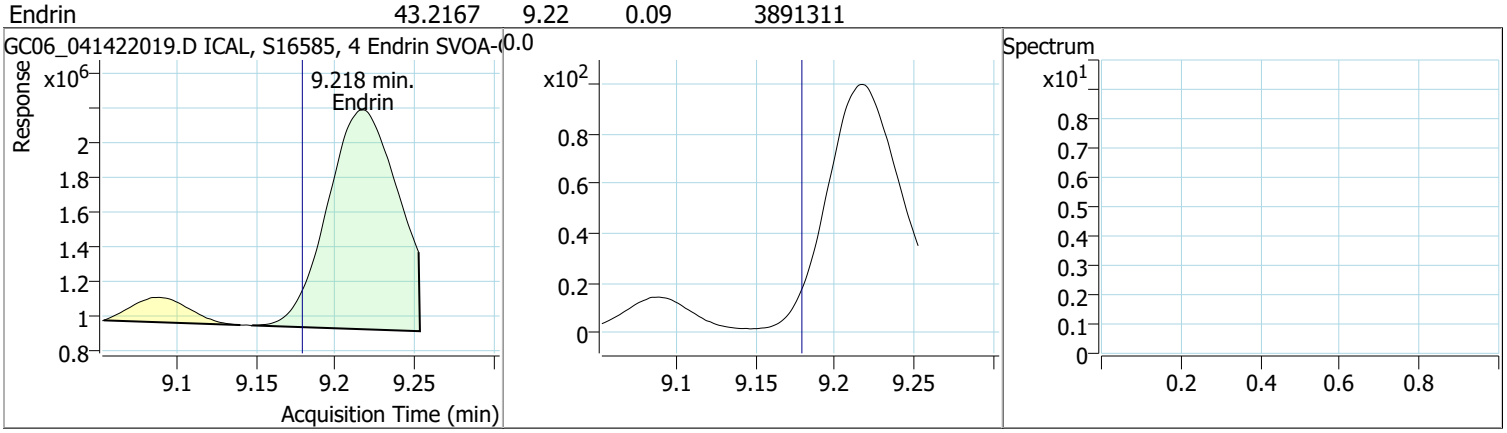
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Dieldrin	30.9404	8.62	-0.01	2625480		



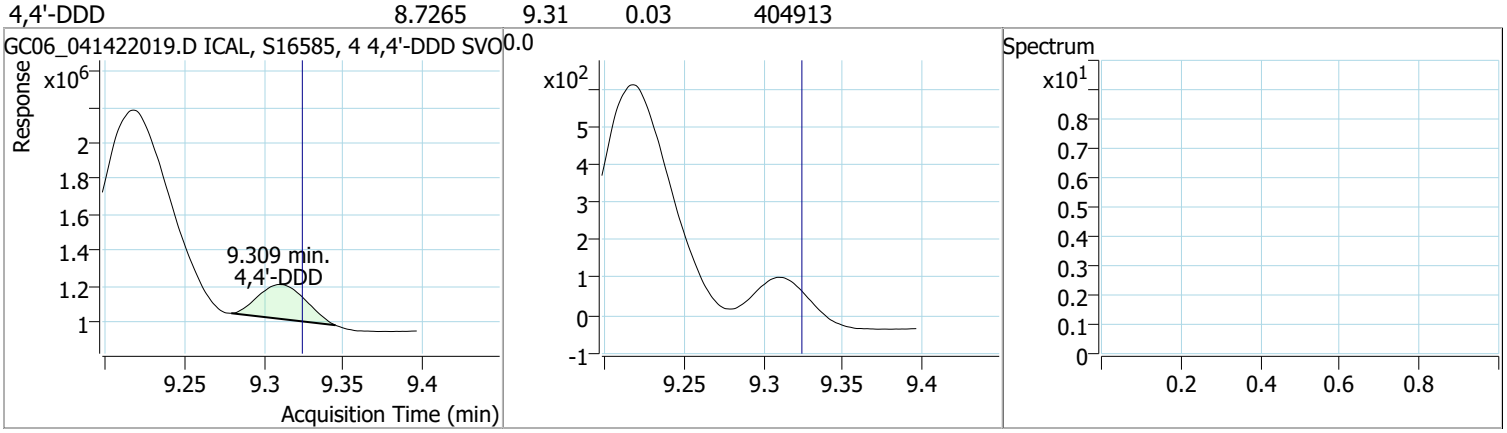
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	11.7221	8.84	0.02	2765724		



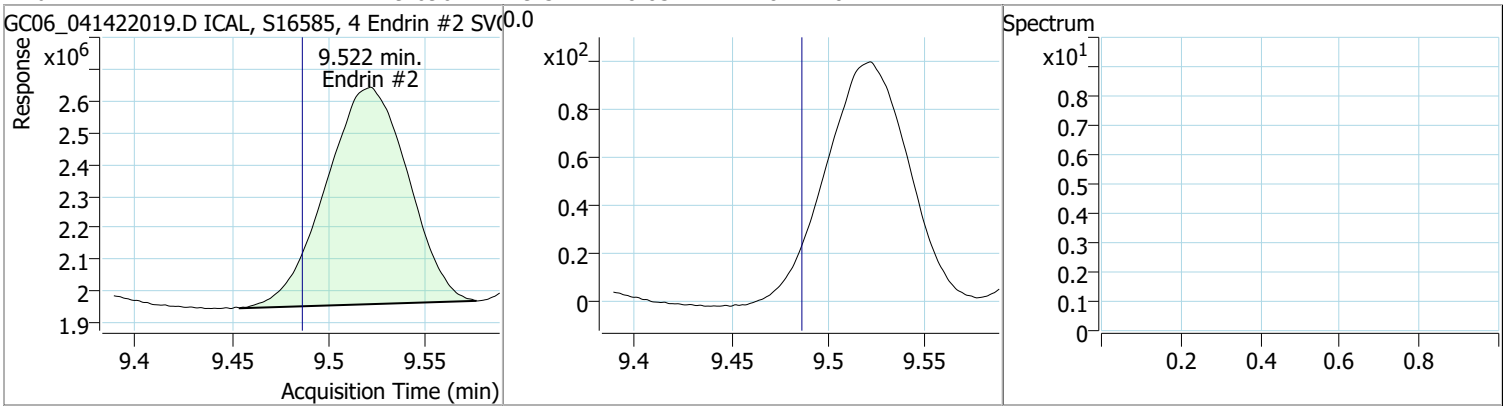
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endrin	43.2167	9.22	0.09	3891311		



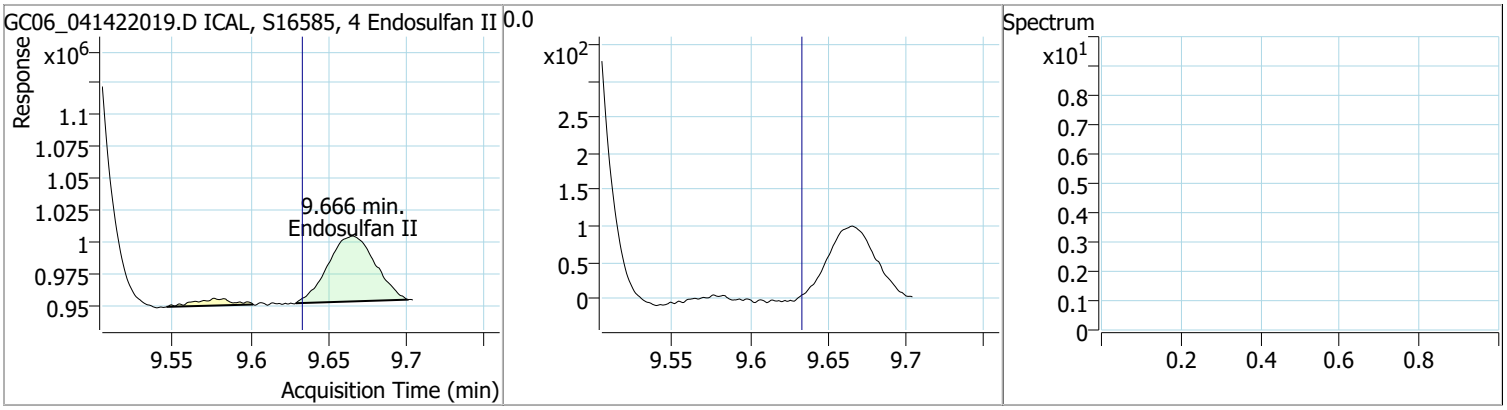
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	8.7265	9.31	0.03	404913		



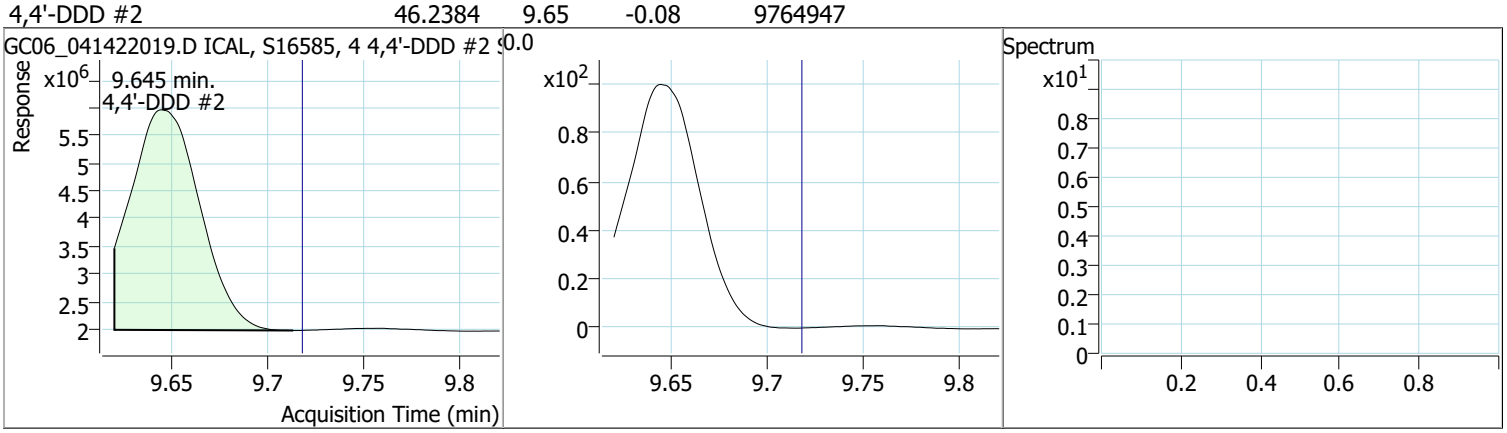
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	9.6962	9.52	0.03	2017240			



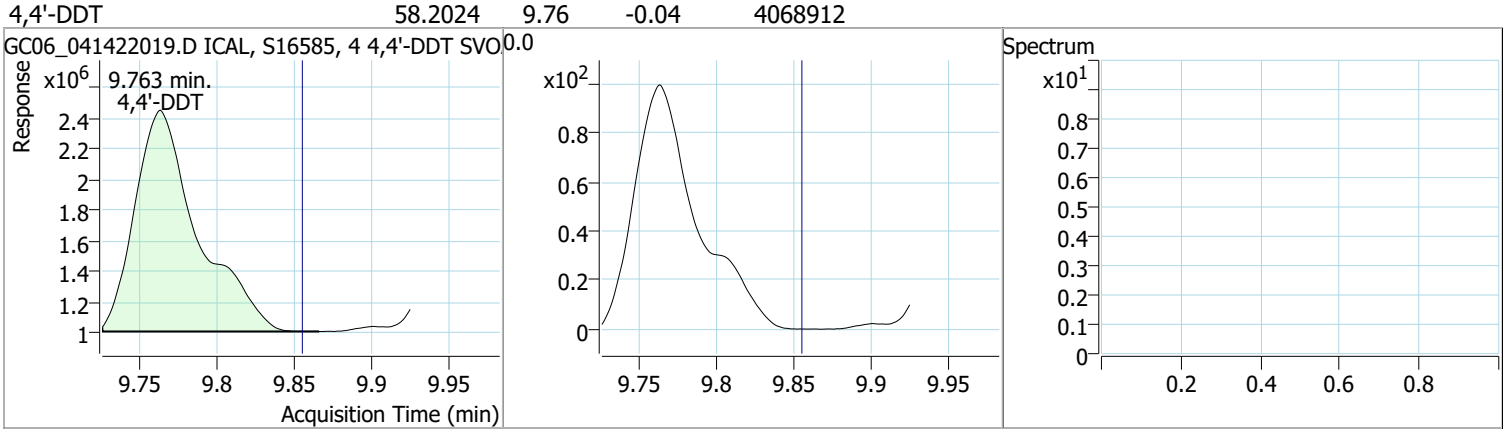
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	1.8314	9.67	0.08	108827			



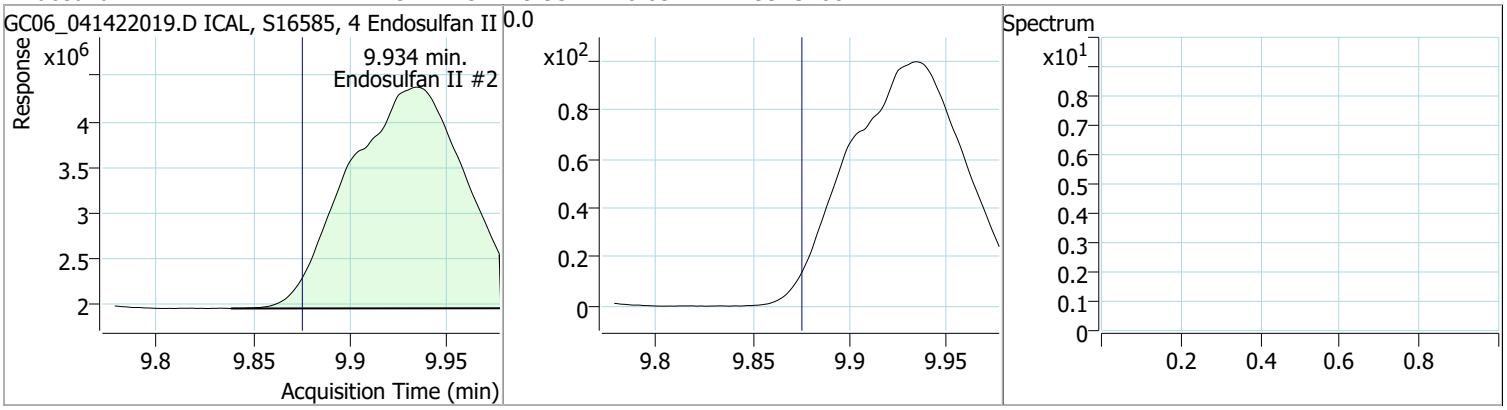
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	46.2384	9.65	-0.08	9764947			



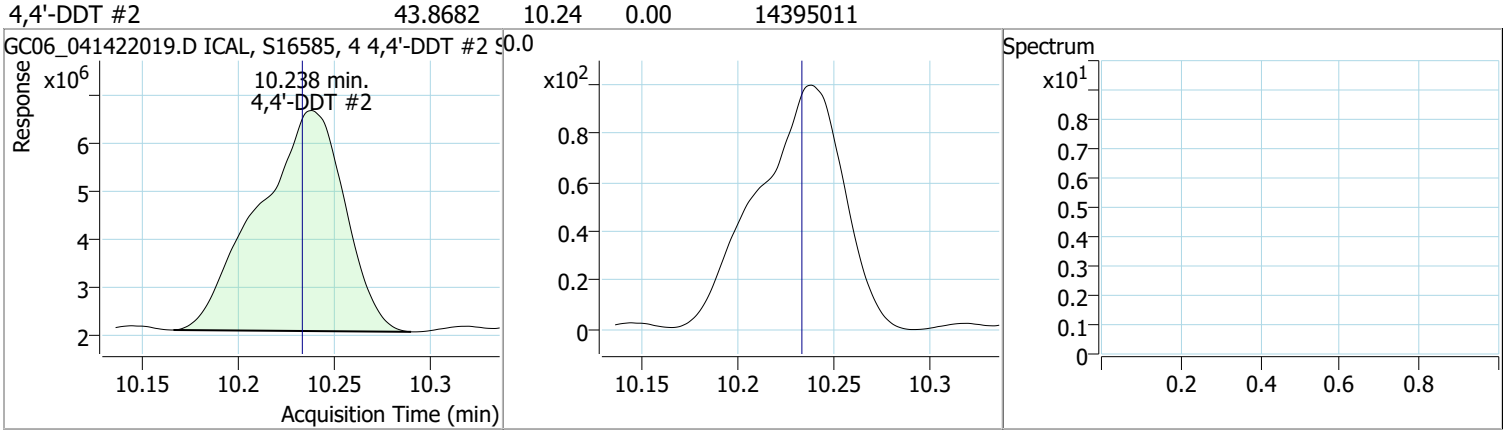
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	58.2024	9.76	-0.04	4068912			



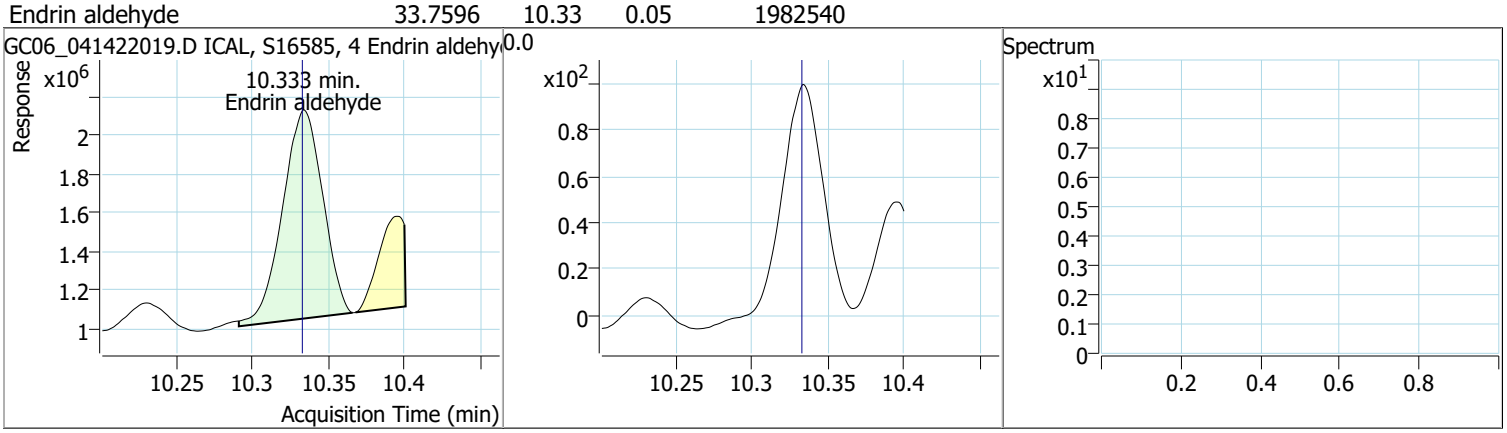
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	34.2279	9.93	0.05	9923288			



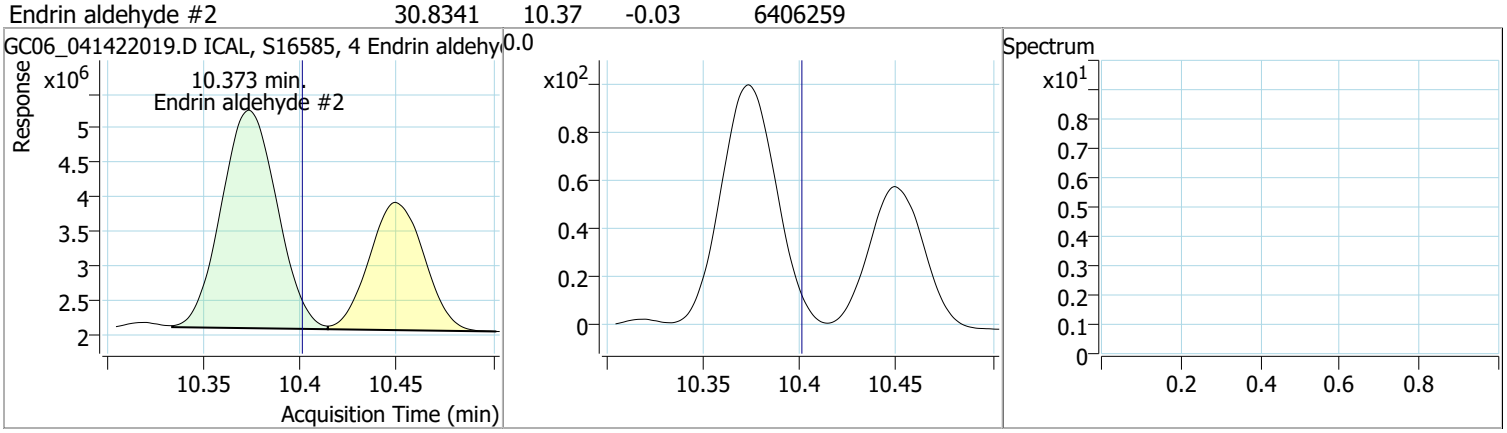
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	43.8682	10.24	0.00	14395011			



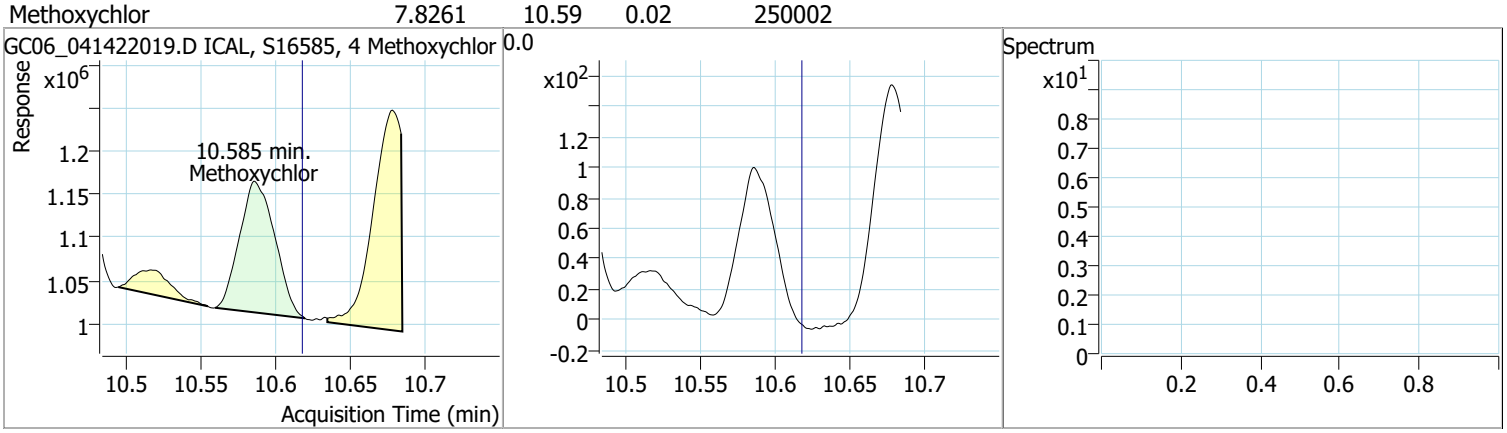
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	33.7596	10.33	0.05	1982540			



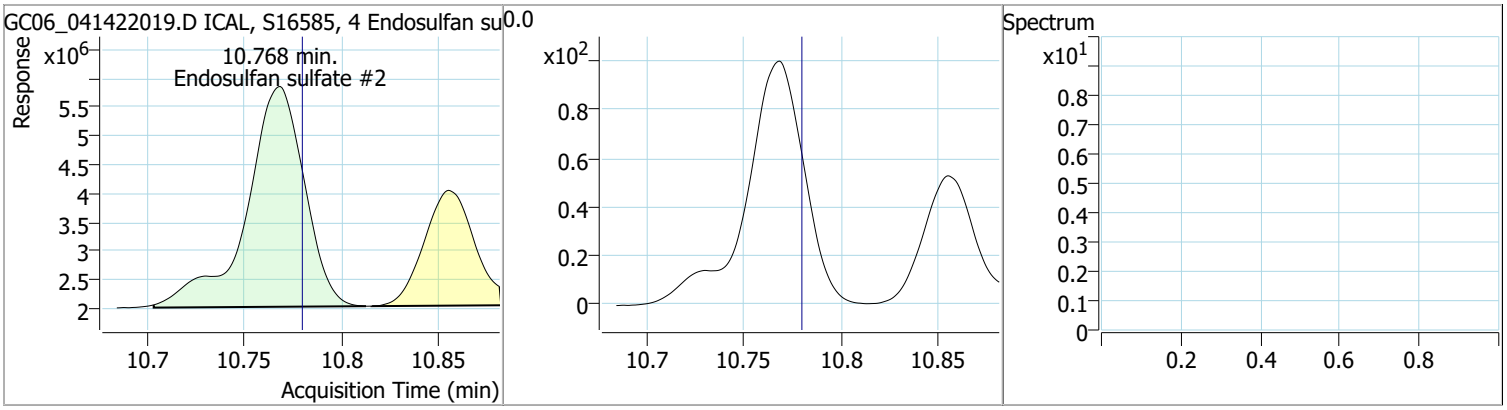
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	30.8341	10.37	-0.03	6406259			



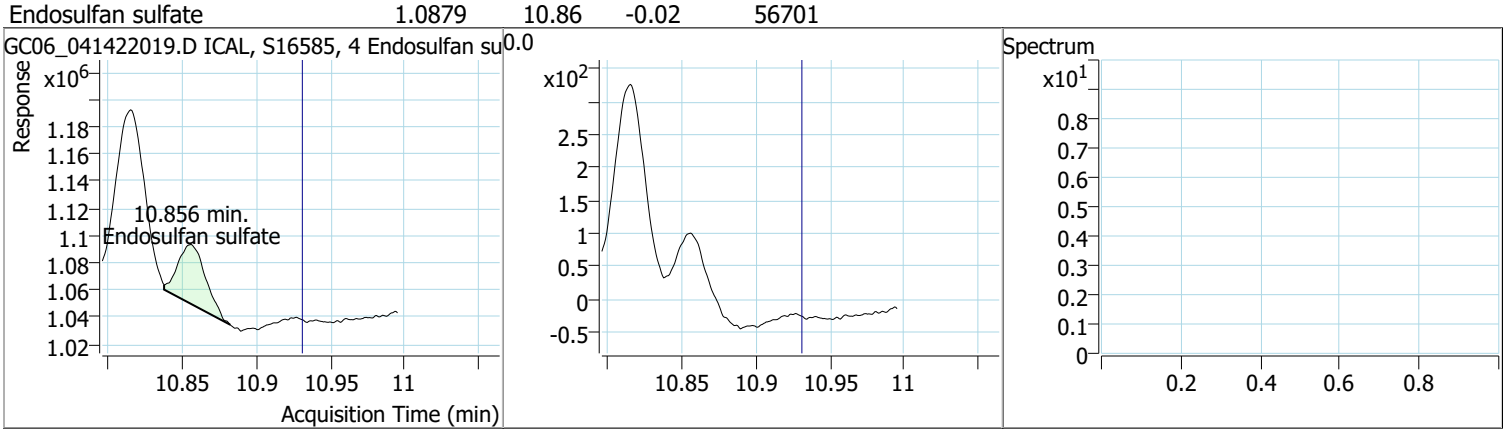
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	7.8261	10.59	0.02	250002			



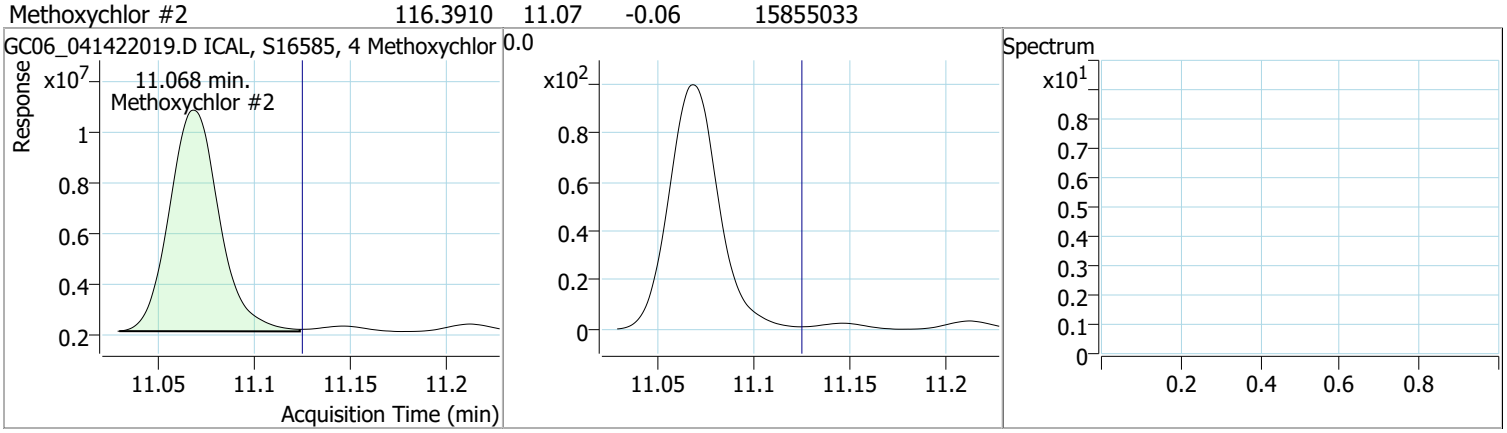
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	33.2100	10.77	-0.02	8033382			



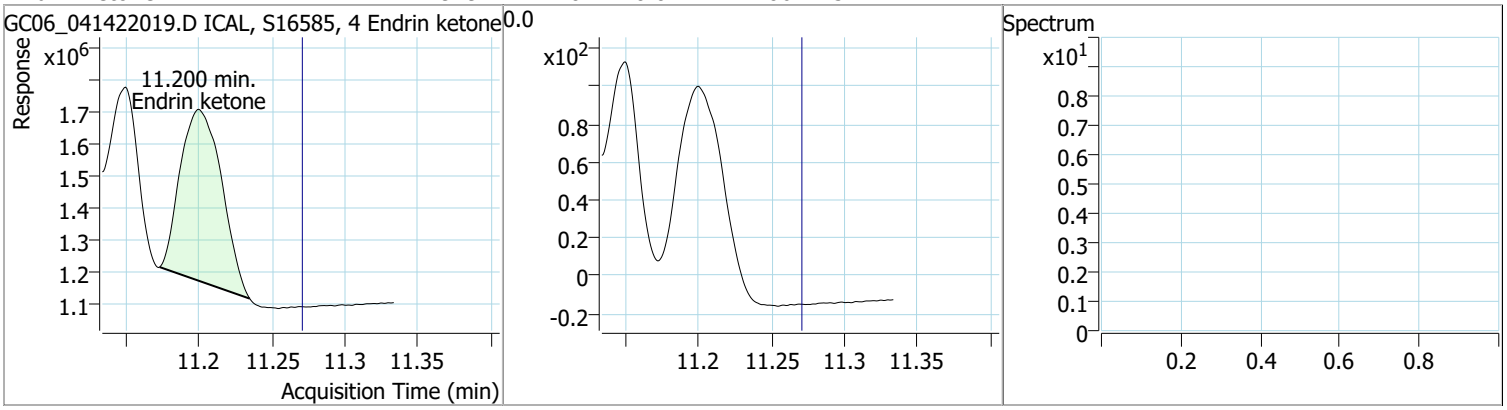
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	1.0879	10.86	-0.02	56701			



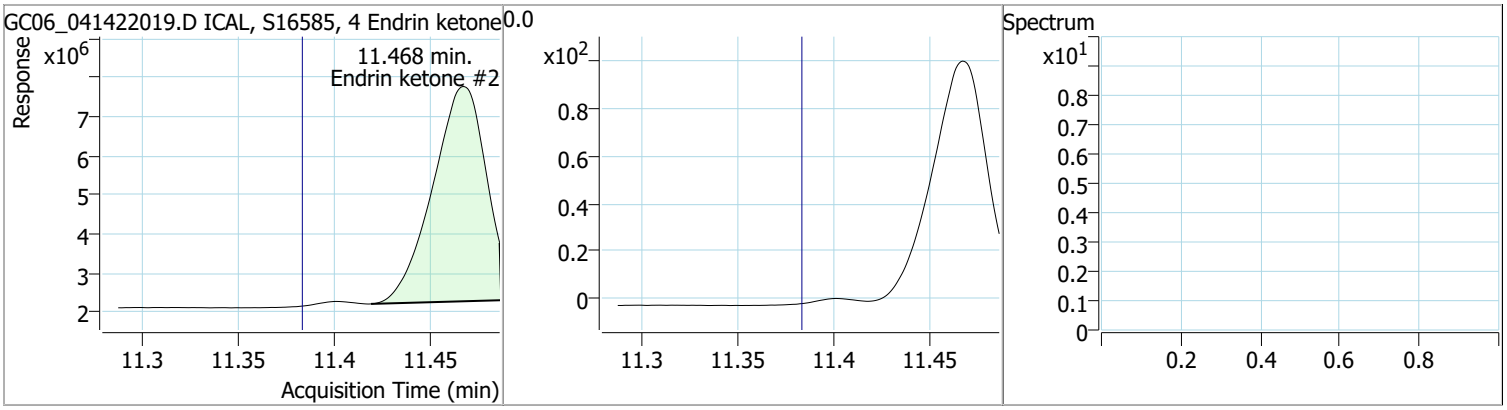
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	116.3910	11.07	-0.06	15855033			



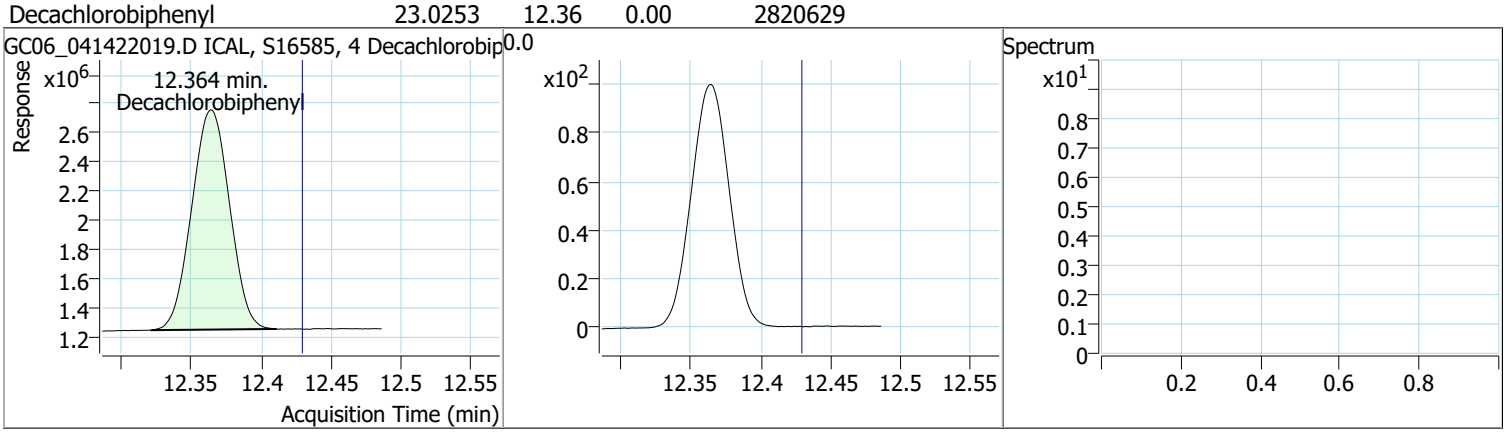
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	14.4919	11.20	-0.01	1061145			



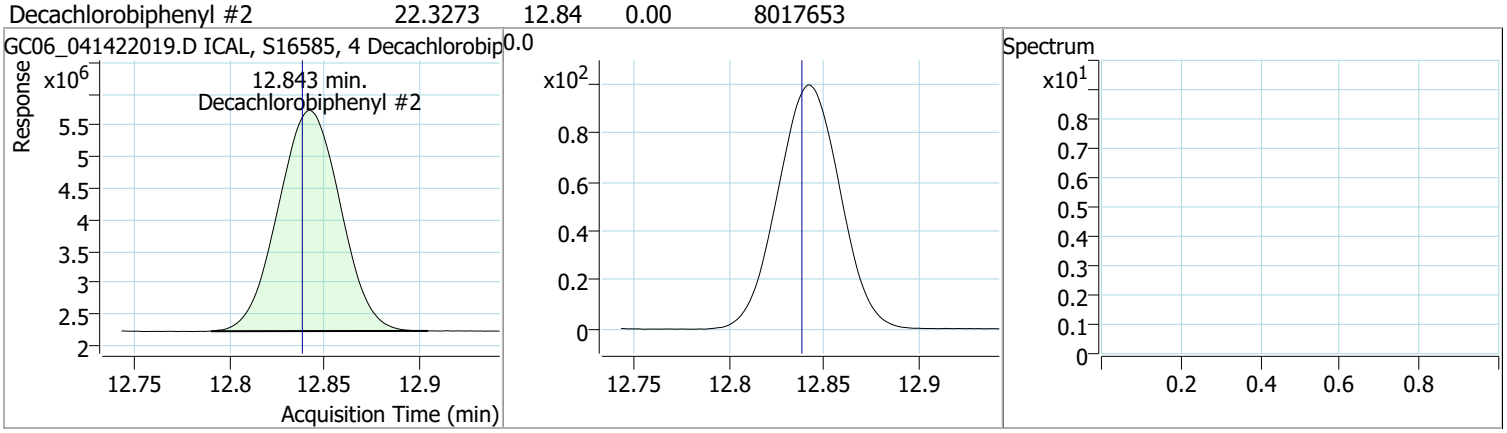
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	33.4941	11.47	0.08	10465973			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	23.0253	12.36	0.00	2820629			

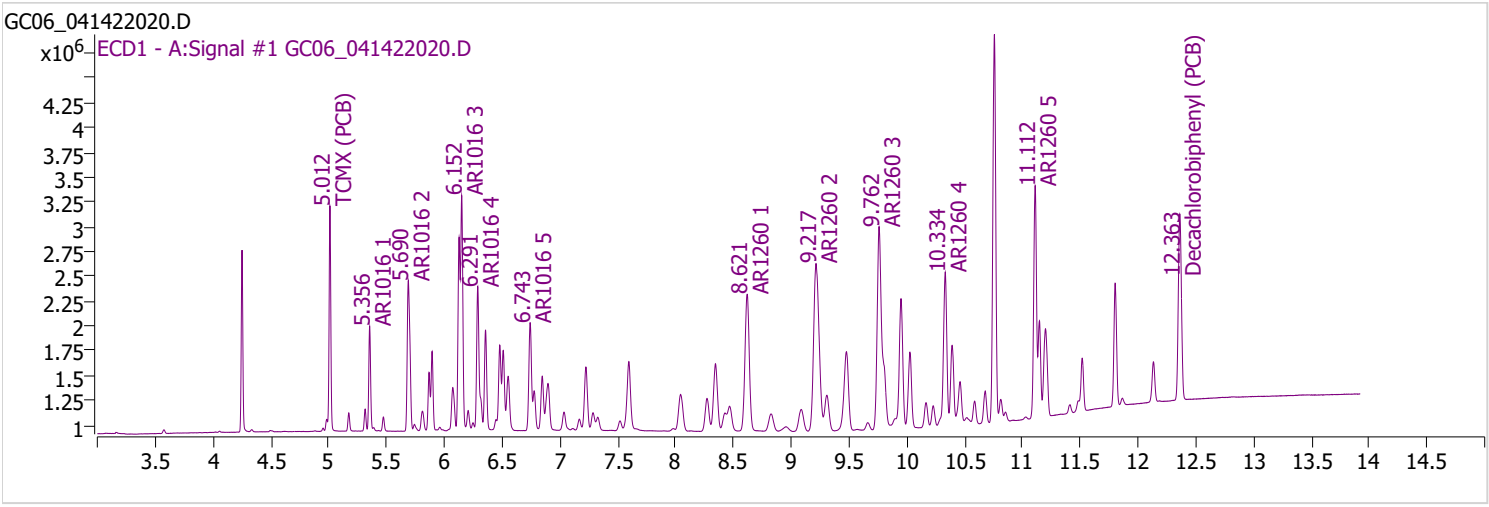


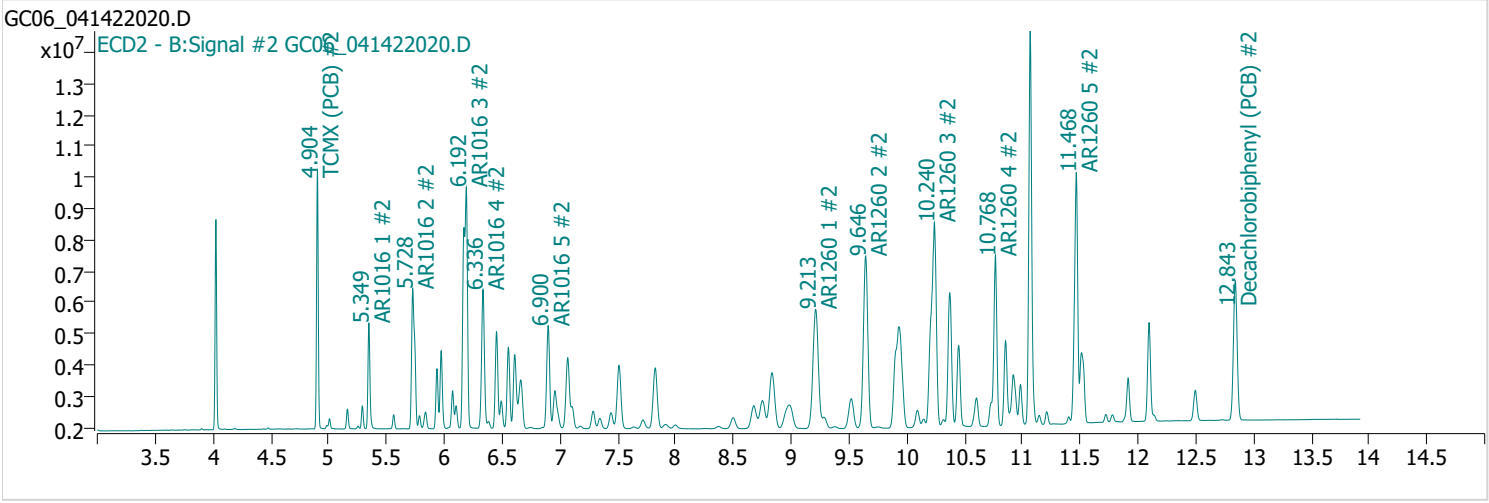
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	22.3273	12.84	0.00	8017653			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422020.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:09:10 PM
Sample Name	ICAL, S16585, 2.667	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 116	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



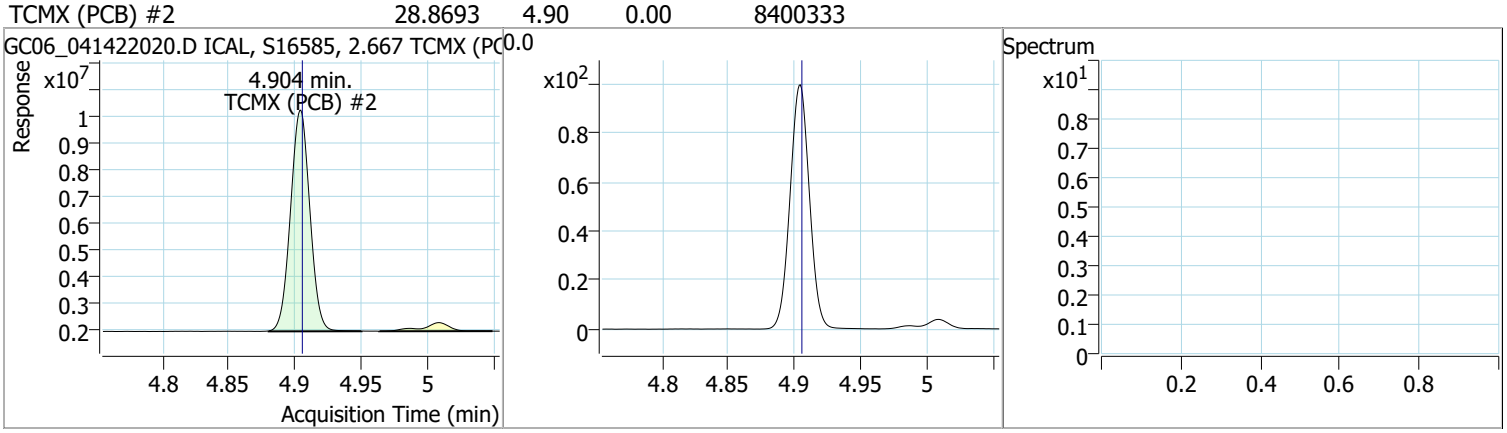


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.252	4.026	1763666	6352752	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.012	4.904	2330516	8400333	27.472	28.869	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	137.36%	144.35%	
S Decachlorobiphenyl (PCB)	12.363	12.843	3562364	10139248	26.565	26.450	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	132.83%	132.25%	
Target Compounds							
T AR1016 1	5.356	5.349	1182989	4107171	685.721	690.379	ng/ml
T AR1016 2	5.690	5.728	2494294	8581795	664.021	695.108	ng/ml
T AR1016 3	6.152	6.192	3076509	11225999 m	695.909	689.478	ng/ml
T AR1016 4	6.291	6.336	2275238	7617947	687.738	689.645	ng/ml
T AR1016 5	6.743	6.900	1716697	6004720	670.817	695.298	ng/ml
T AR1260 1	8.621	9.213	3611803	12566233 m	650.738	653.566	ng/ml
T AR1260 2	9.217	9.646	5576918	14609281	652.363	657.589	ng/ml
T AR1260 3	9.762	10.240	5970444 m	19985948	671.815	662.146	ng/ml
T AR1260 4	10.334	10.768	2920176	10976814	660.702	672.070	ng/ml

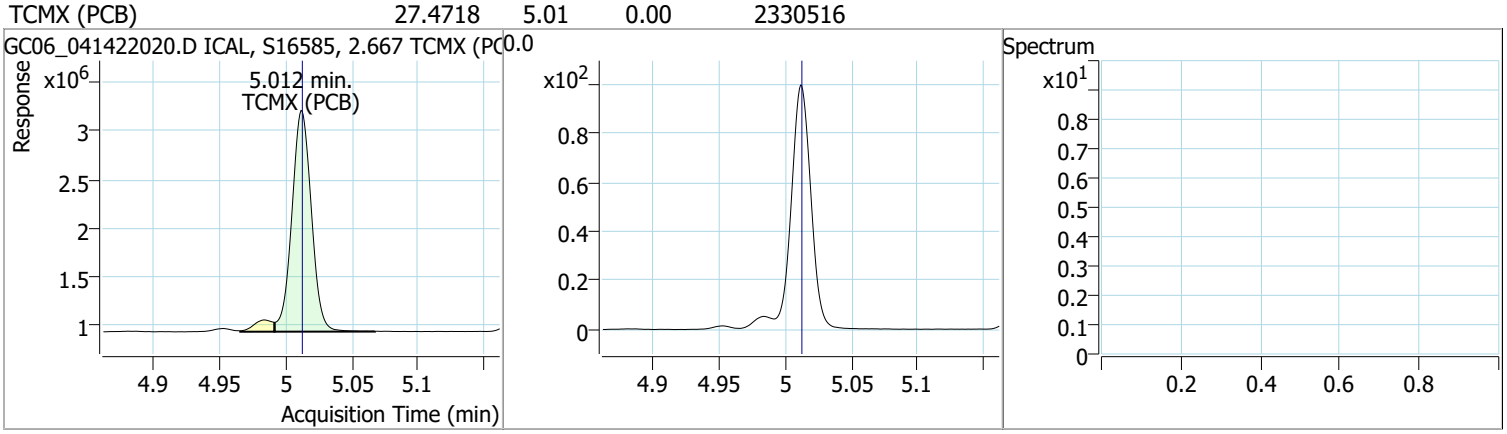
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.468	3951886	15787028	675.565	655.606	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

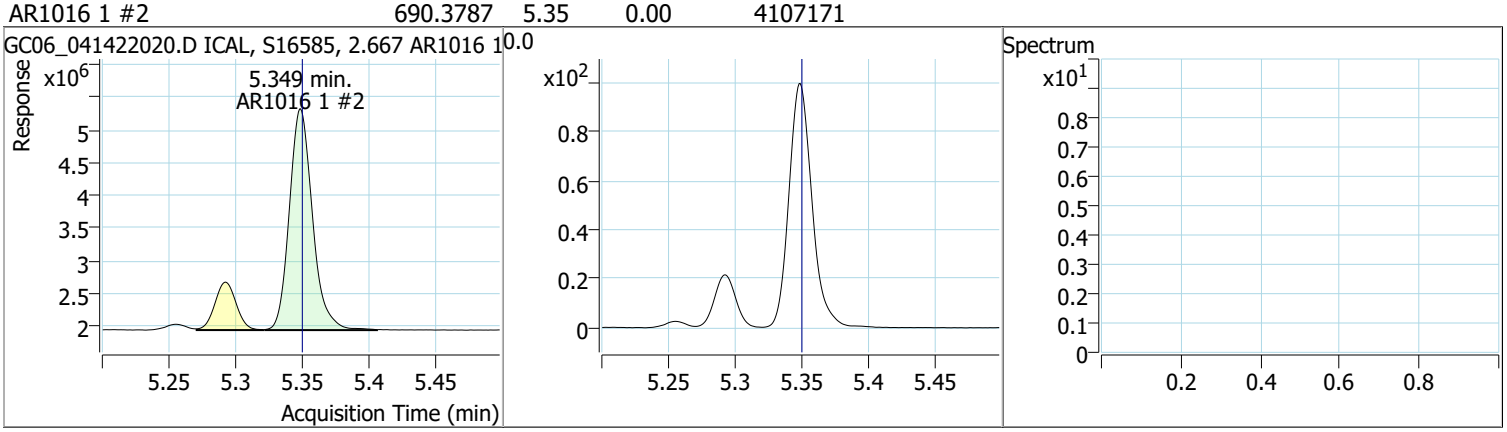
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	28.8693	4.90	0.00	8400333			



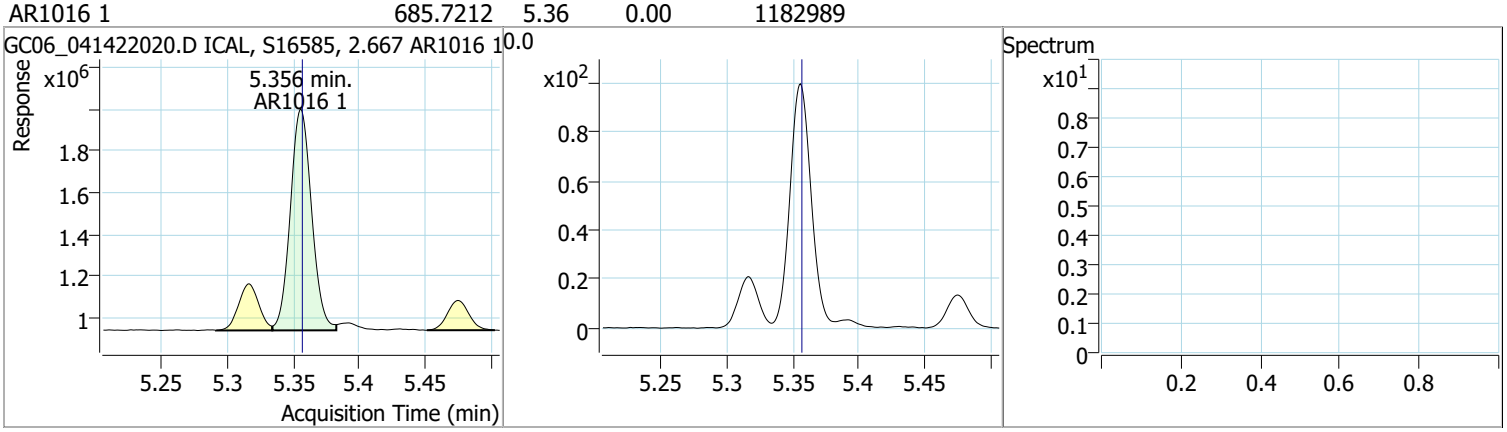
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	27.4718	5.01	0.00	2330516			



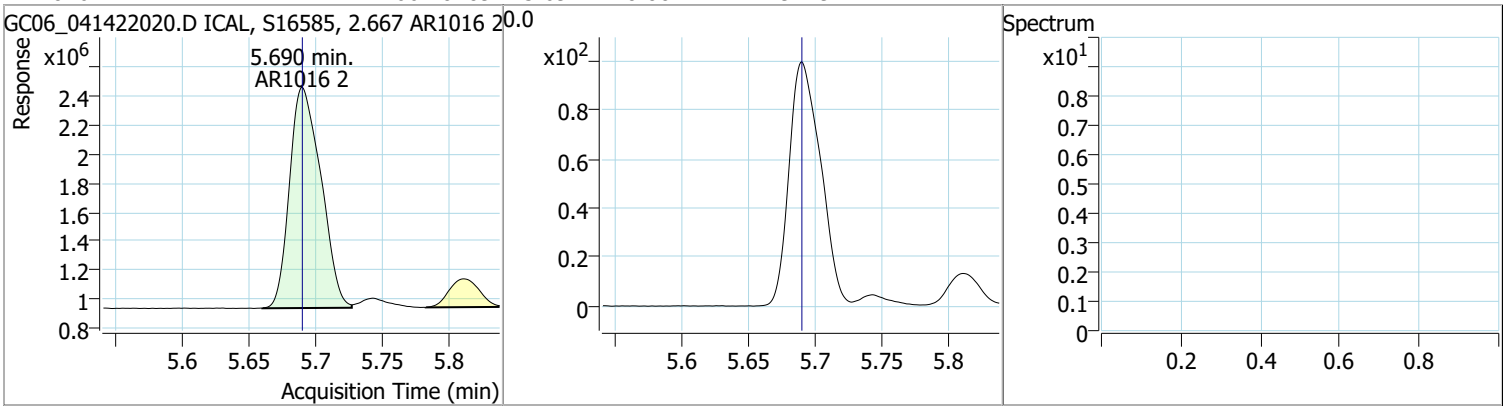
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	690.3787	5.35	0.00	4107171			



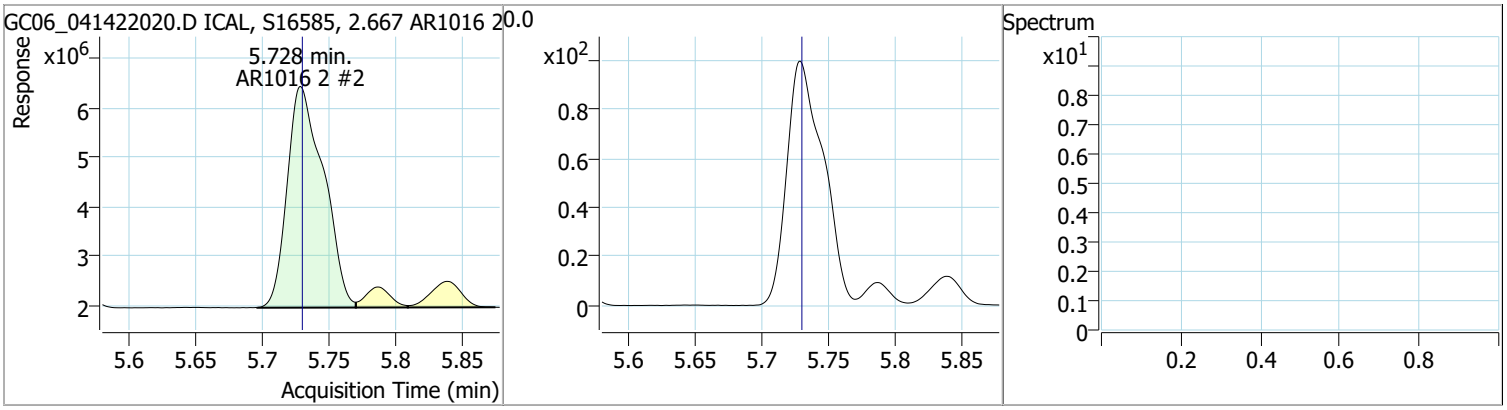
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	685.7212	5.36	0.00	1182989			



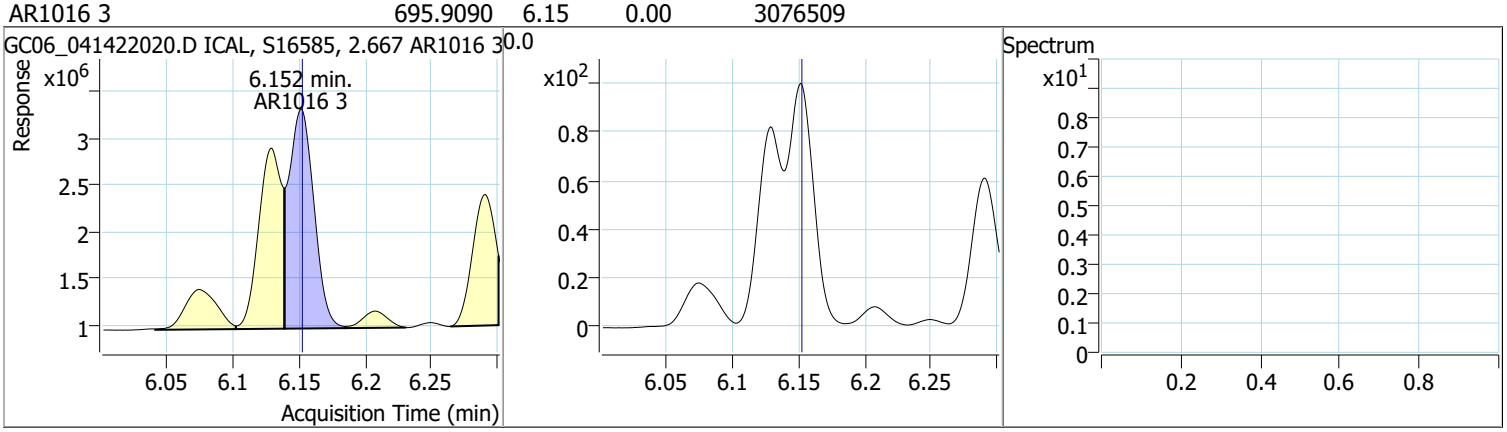
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	664.0209	5.69	0.00	2494294			



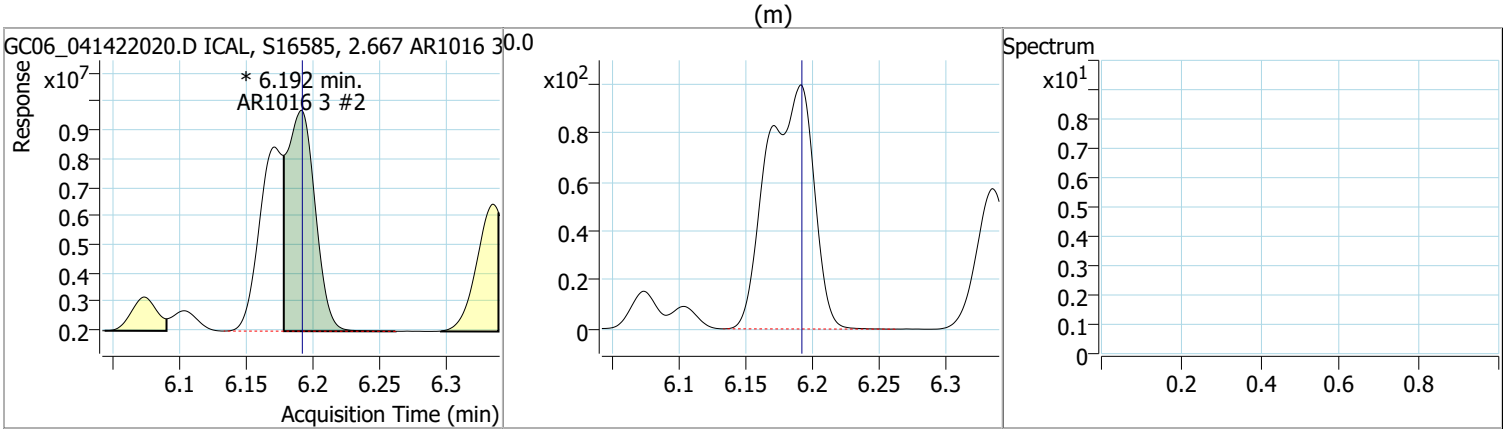
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	695.1082	5.73	0.00	8581795			



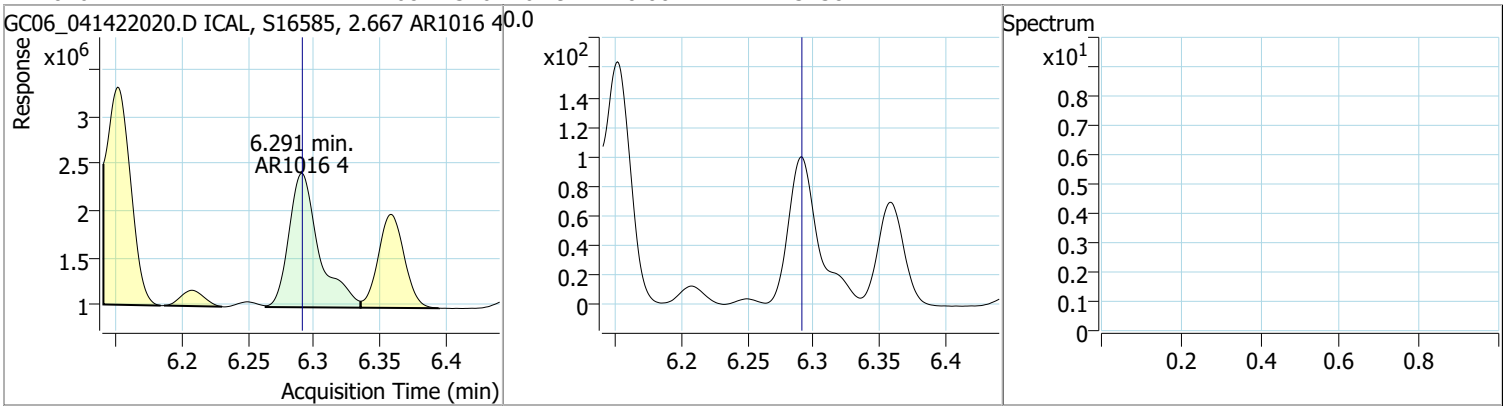
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	695.9090	6.15	0.00	3076509			



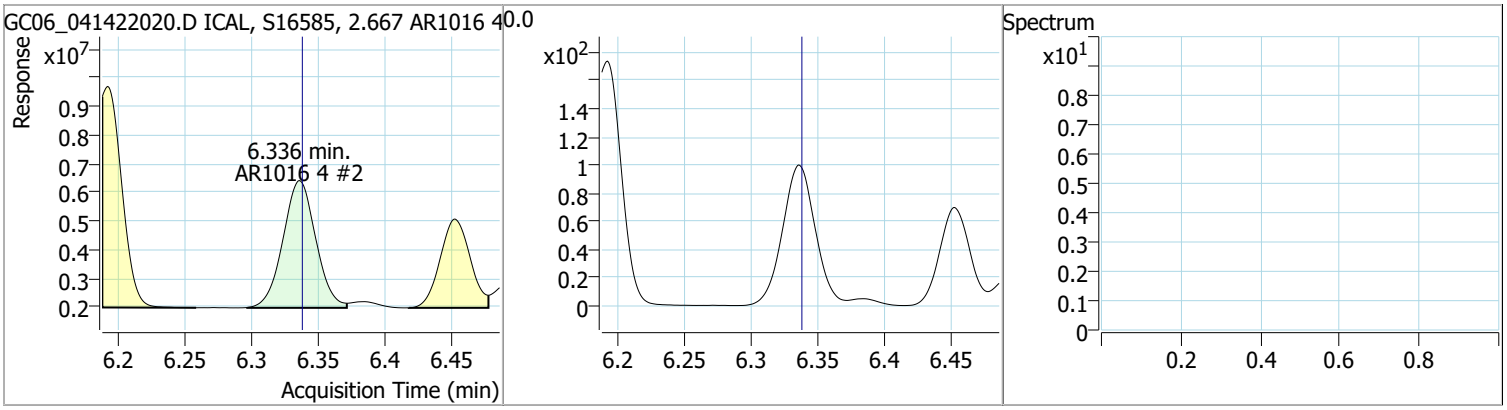
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	689.4777	6.19	0.00	11225999 (m)			



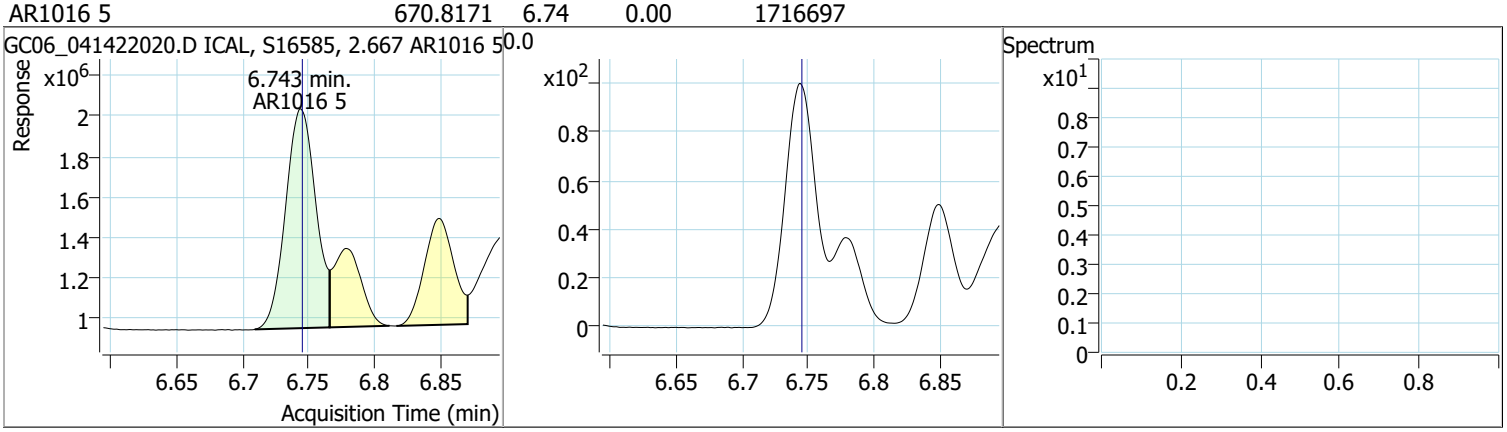
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	687.7376	6.29	0.00	2275238			



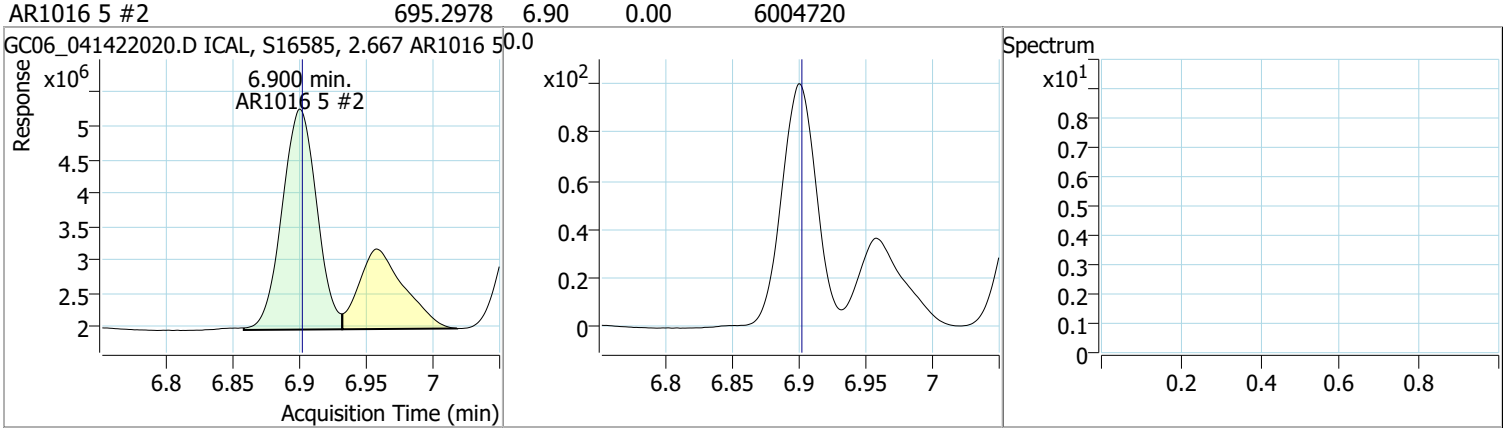
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	689.6447	6.34	0.00	7617947			



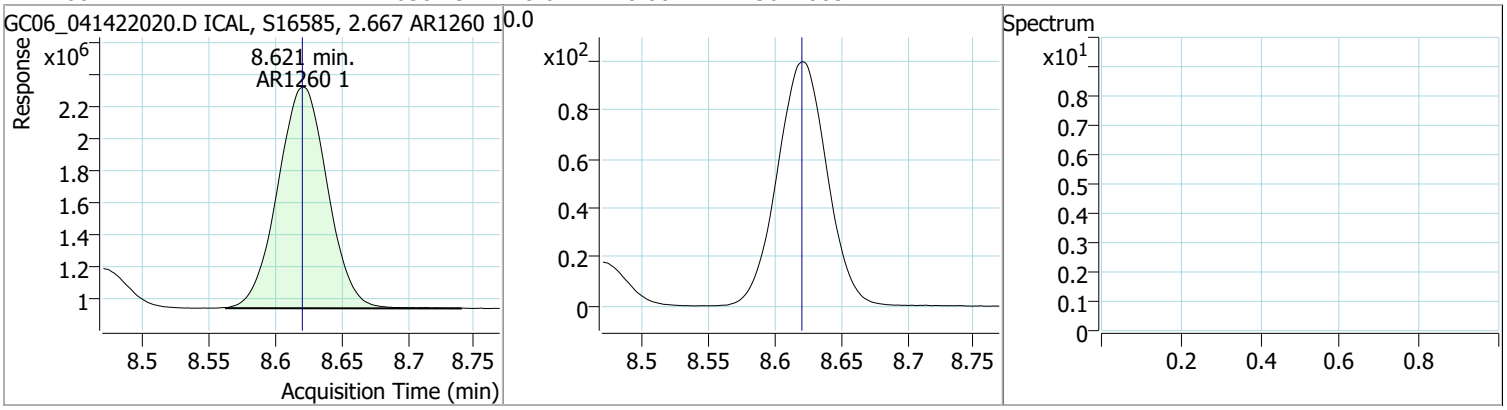
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	670.8171	6.74	0.00	1716697			



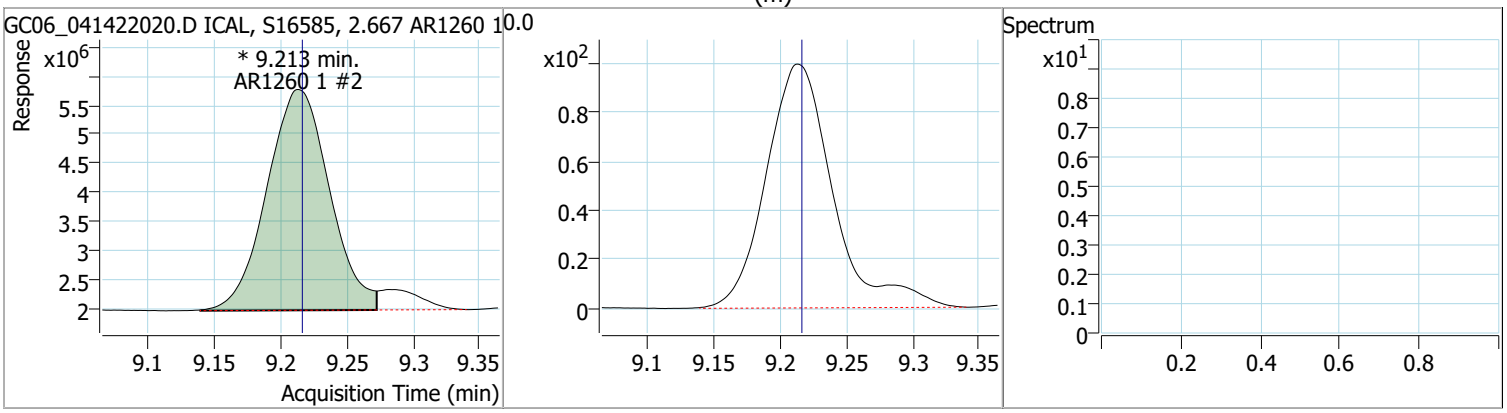
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	695.2978	6.90	0.00	6004720			



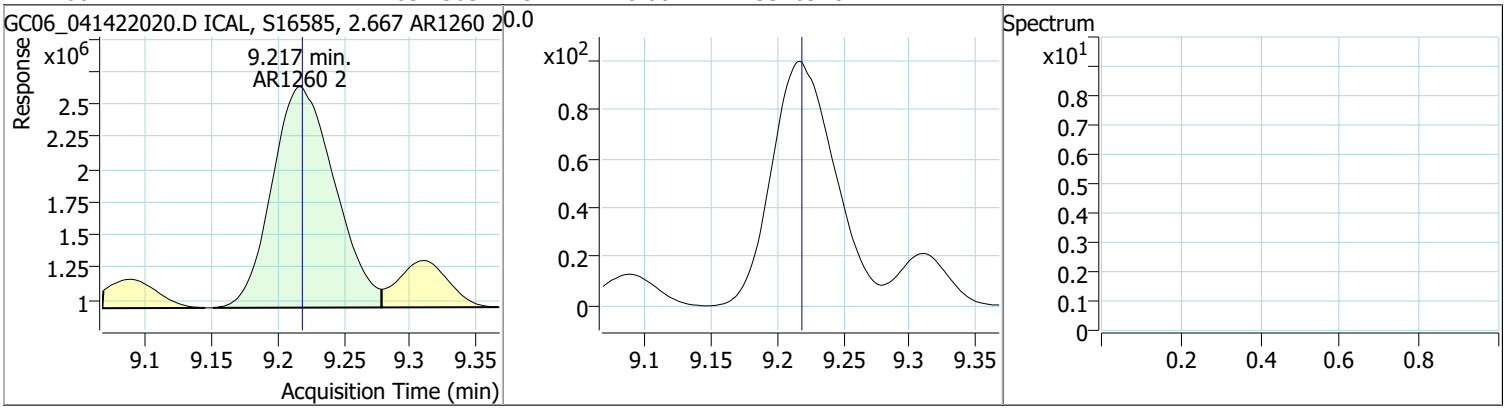
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	650.7377	8.62	0.00	3611803			



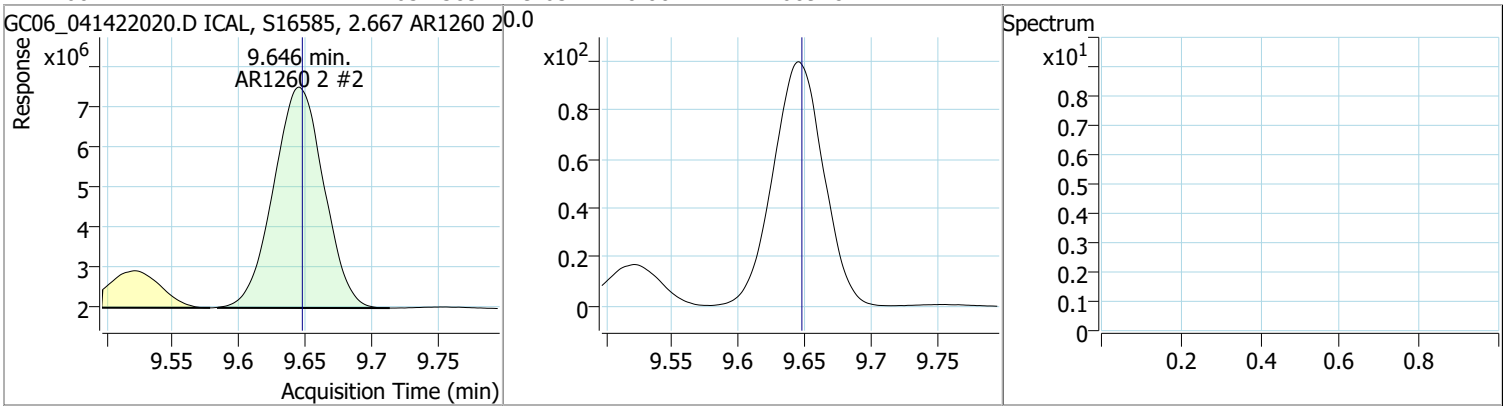
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	653.5660	9.21	0.00	12566233 (m)			



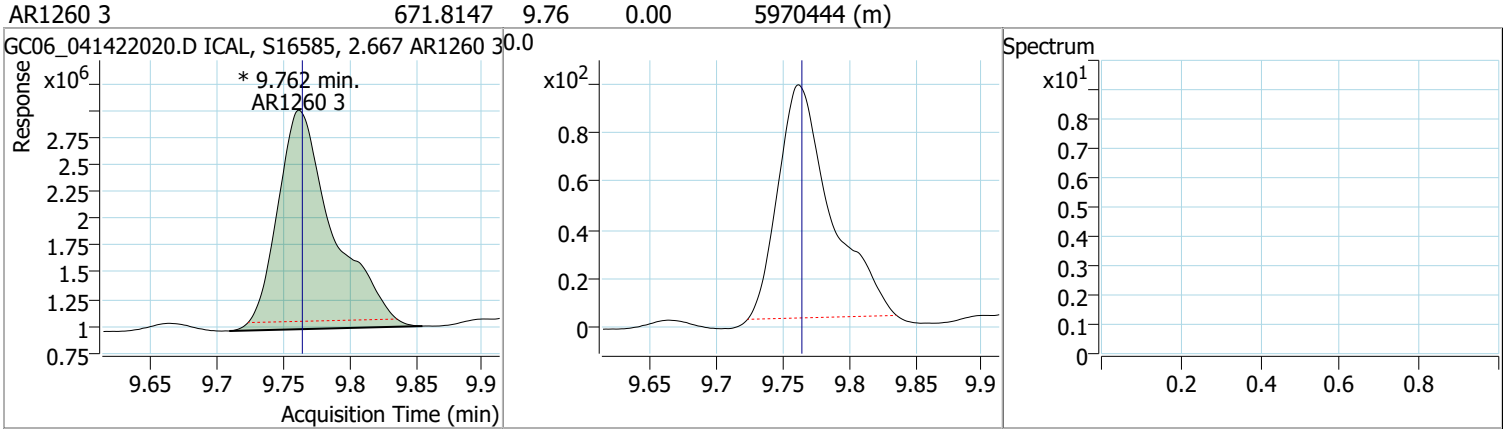
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	652.3634	9.22	0.00	5576918			



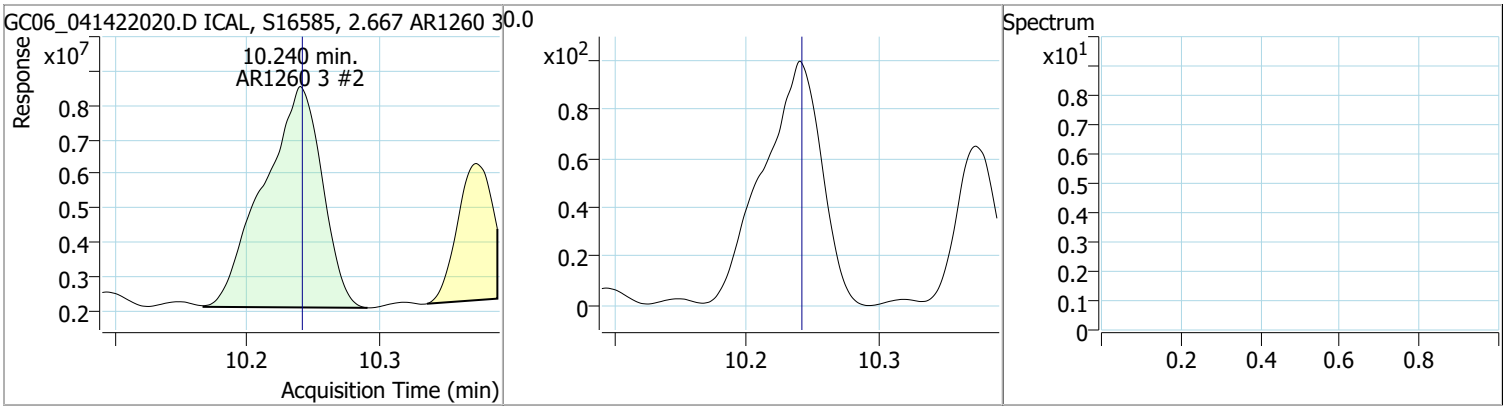
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	657.5894	9.65	0.00	14609281			



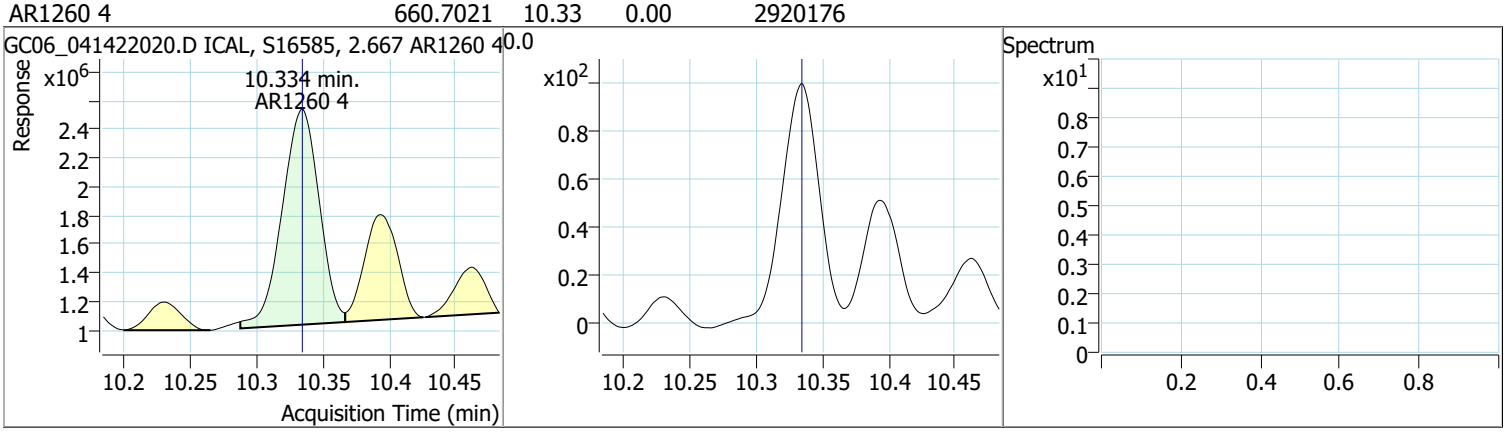
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	671.8147	9.76	0.00	5970444 (m)			



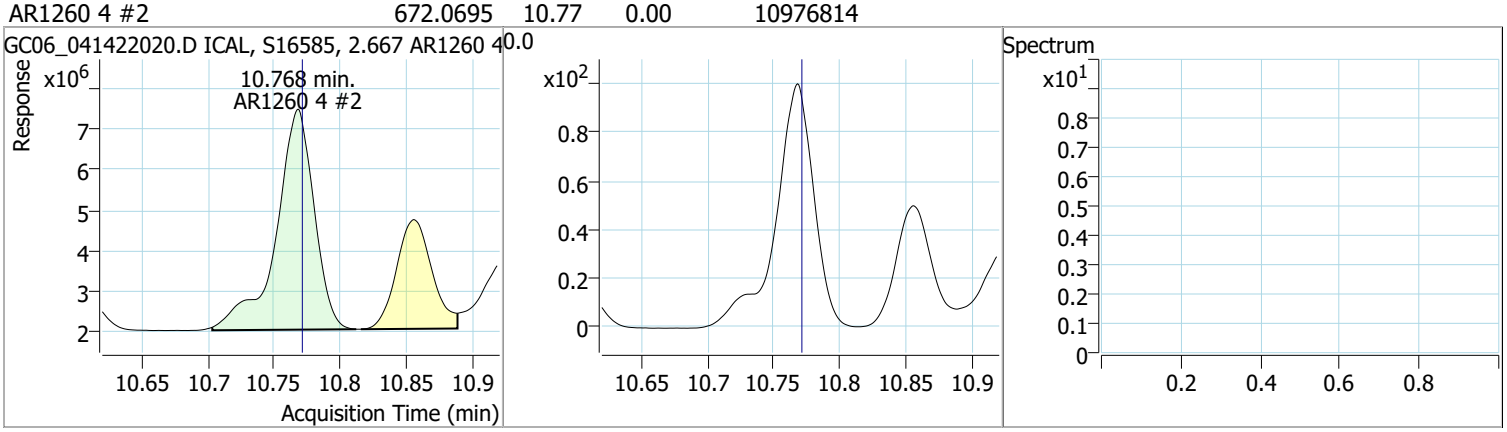
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	662.1464	10.24	0.00	19985948			



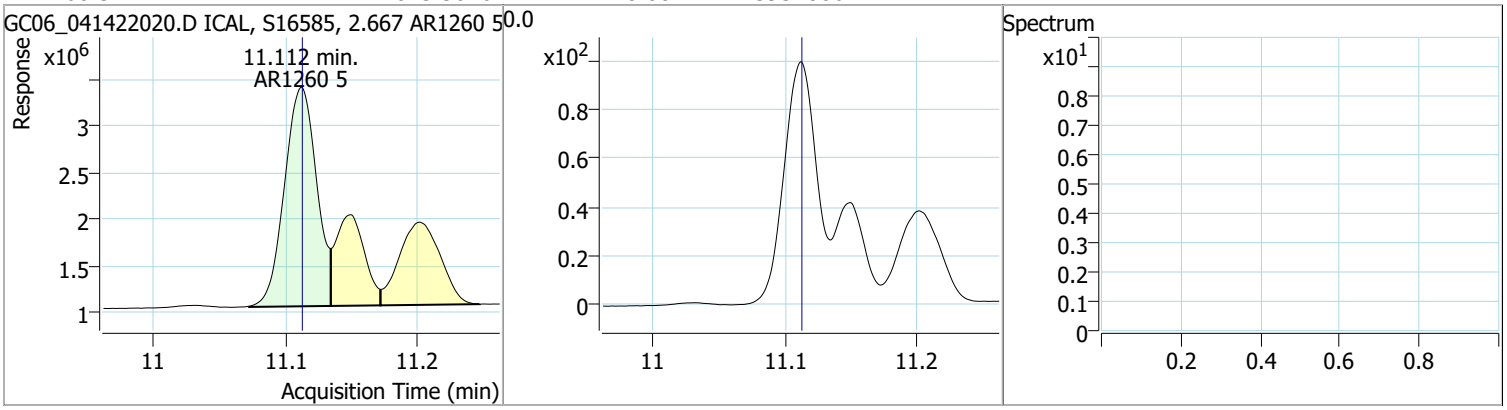
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	660.7021	10.33	0.00	2920176			



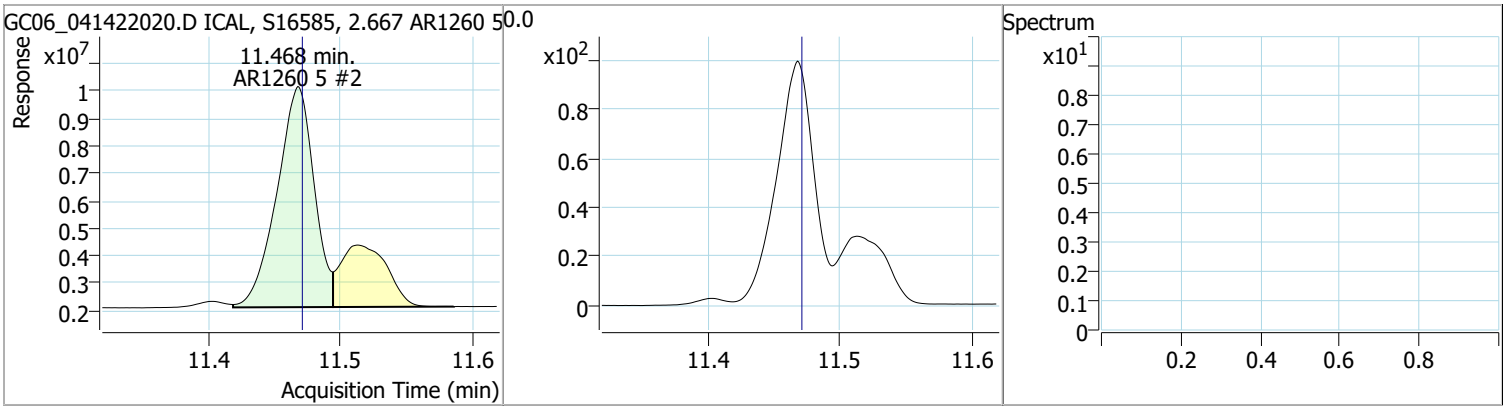
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	672.0695	10.77	0.00	10976814			



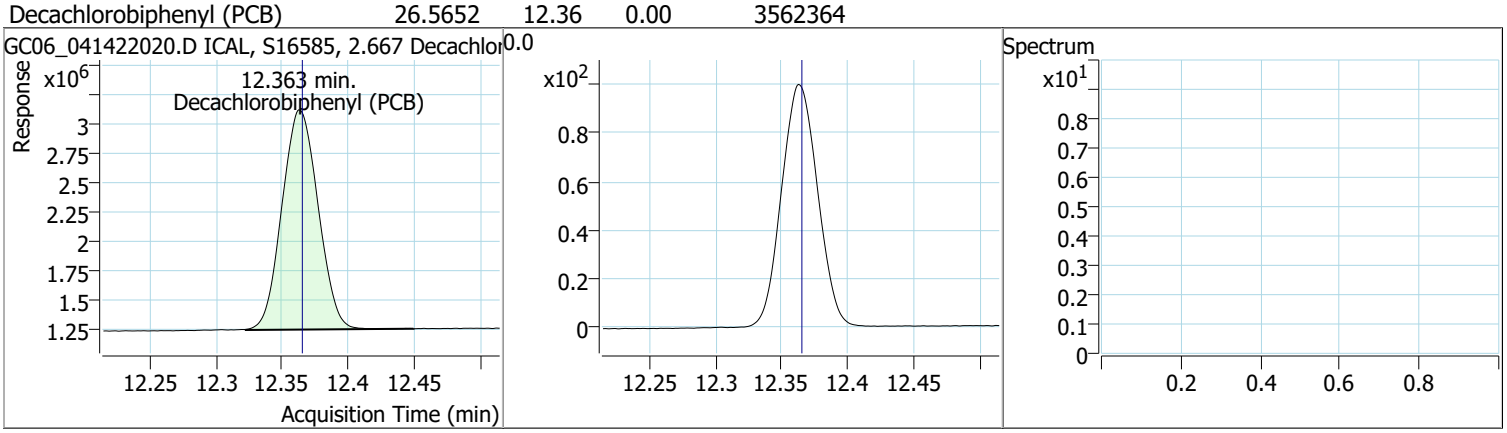
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	675.5646	11.11	0.00	3951886			



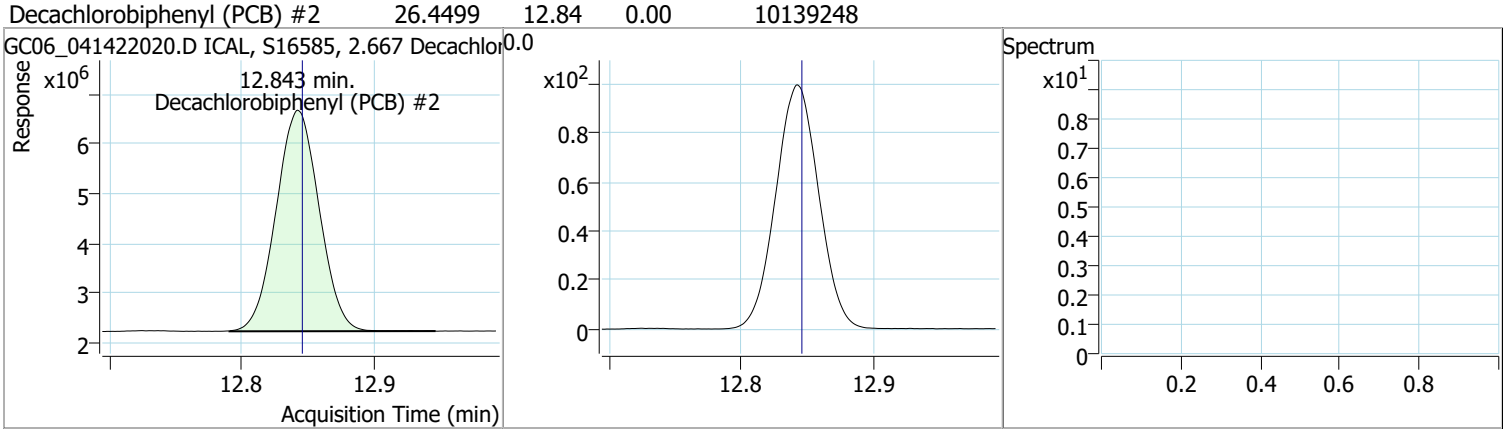
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	655.6056	11.47	0.00	15787028			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	26.5652	12.36	0.00	3562364			

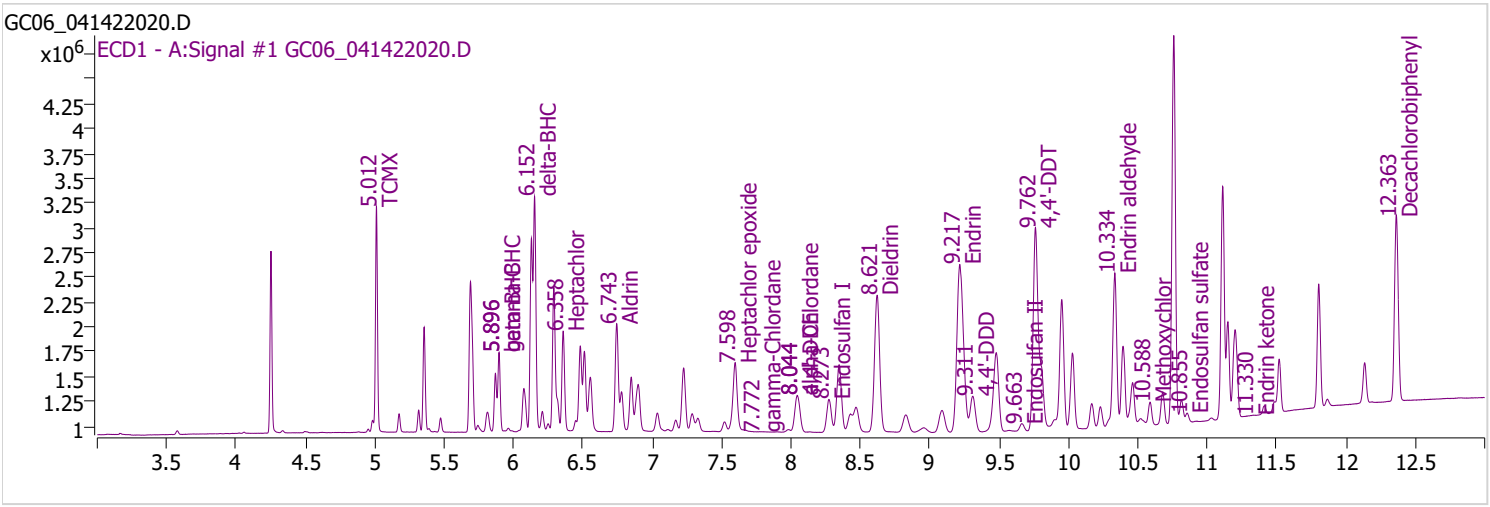


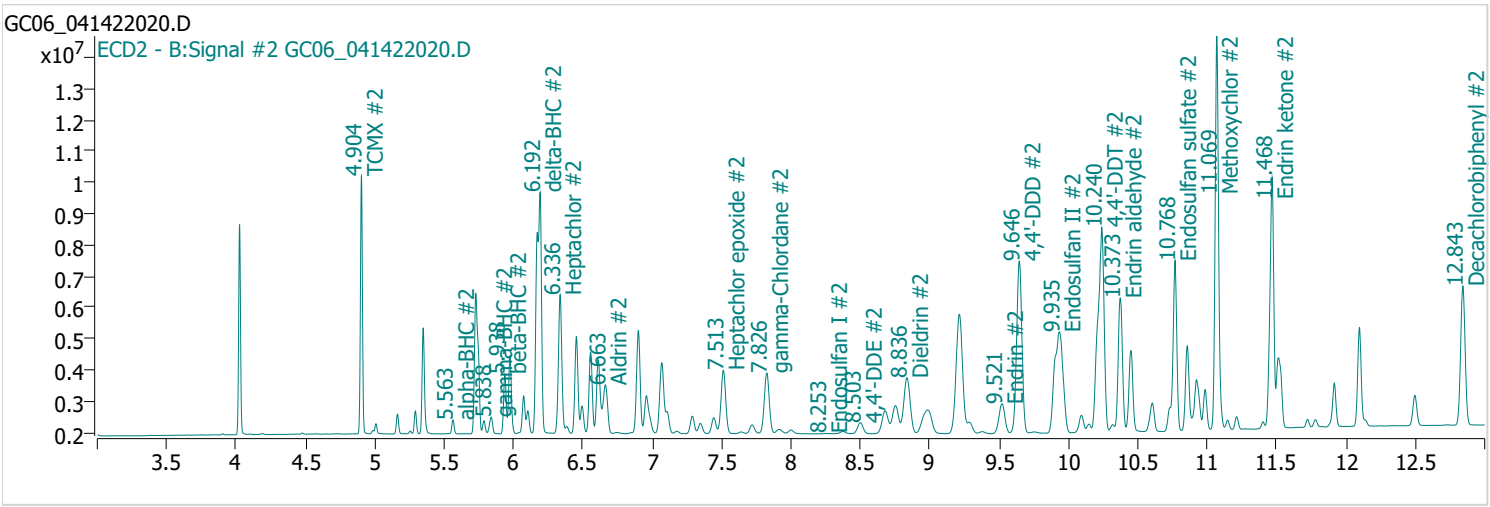
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	26.4499	12.84	0.00	10139248			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422020.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:09:10 PM
Sample Name	ICAL, S16585, 2.667	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 116	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 8:23:27 PM



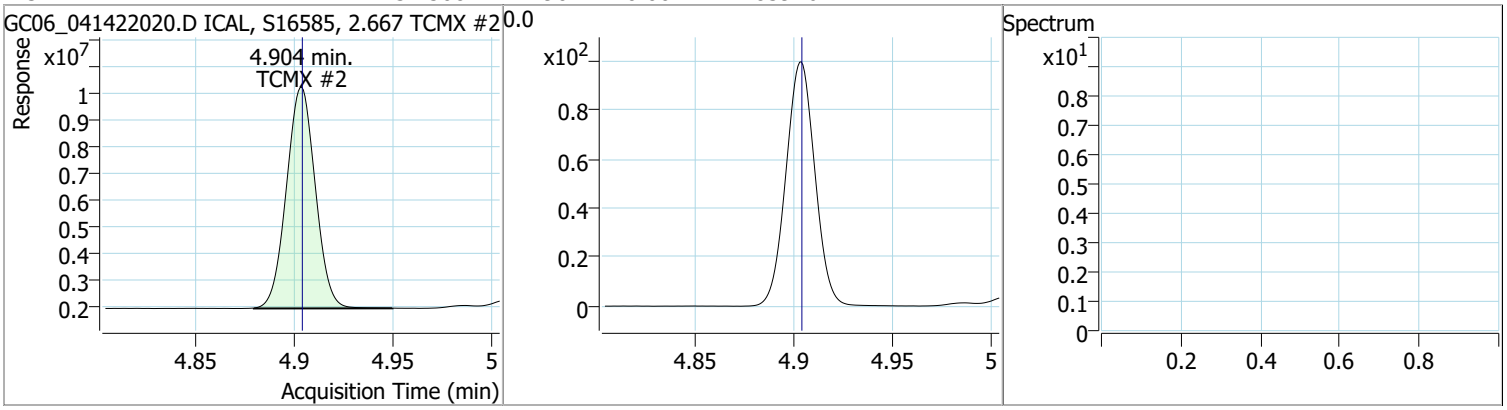


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.252	4.026	1755139	6346018	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.012	4.904	2333042	8394614	29.835	31.508	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	149.17%	157.54% *	
S Decachlorobiphenyl	12.363	12.843	3553731	10117201	29.847	28.820	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	149.24%	144.10%	
Target Compounds							
T alpha-BHC	----	5.563 f	0	503087	N.D.	2.224 #	ng/ml
T gamma-BHC	5.896	5.838	935894	773059	13.256	3.361 #	ng/ml
T beta-BHC	5.896	5.938	925269	2485893	25.132	17.990 #	ng/ml
T delta-BHC	6.152	6.192	3026787	19000584	30.597	39.301 #	ng/ml
T Heptachlor	6.358	6.336	1226394	7617947	16.400	23.464 #	ng/ml
T Aldrin	6.743	6.663 f	1717976	3438770	21.221	14.068 #	ng/ml
T Heptachlor epoxide	7.598	7.513	1462618	4285912	18.875	16.348	ng/ml
T gamma-Chlordane	7.772	7.826	3035	4735328	0.053	16.618 #	ng/ml
T alpha-Chlordane	8.044	----	588280	0	9.534	N.D. #	ng/ml

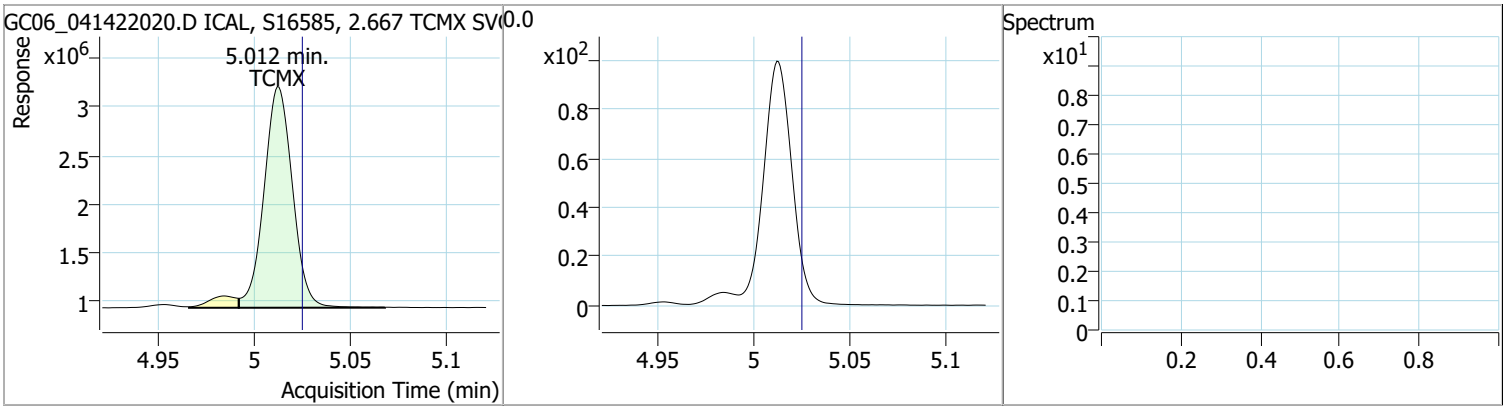
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.273	8.253	752549	18720	12.818	0.099 #	ng/ml
T 4,4'-DDE	8.044	8.503 f	918708	914575	15.267	4.975 #	ng/ml
T Dieldrin	8.621	8.836	3602536	4987733	43.953	22.196 #	ng/ml
T Endrin	9.217	9.521	5149660	2892006	58.571	14.675 #	ng/ml
T 4,4'-DDD	9.311	9.646 f	555403	13255716	12.678	63.908 #	ng/ml
T Endosulfan II	9.663	9.935 f	154699	13733433	2.793	48.777 #	ng/ml
T 4,4'-DDT	9.762	10.240	5781197	19867154	83.139	61.744 #	ng/ml
T Endrin aldehyde	10.334	10.373	2722503	8532275	47.858	42.483	ng/ml
T Endosulfan sulfate	10.855	10.768	76622	10983606	1.570	46.822 #	ng/ml
T Methoxychlor	10.588	11.069 f	361008	21812588	12.128	166.762 #	ng/ml
T Endrin ketone	11.330	11.468 f	397876	14584668	5.784	48.408 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

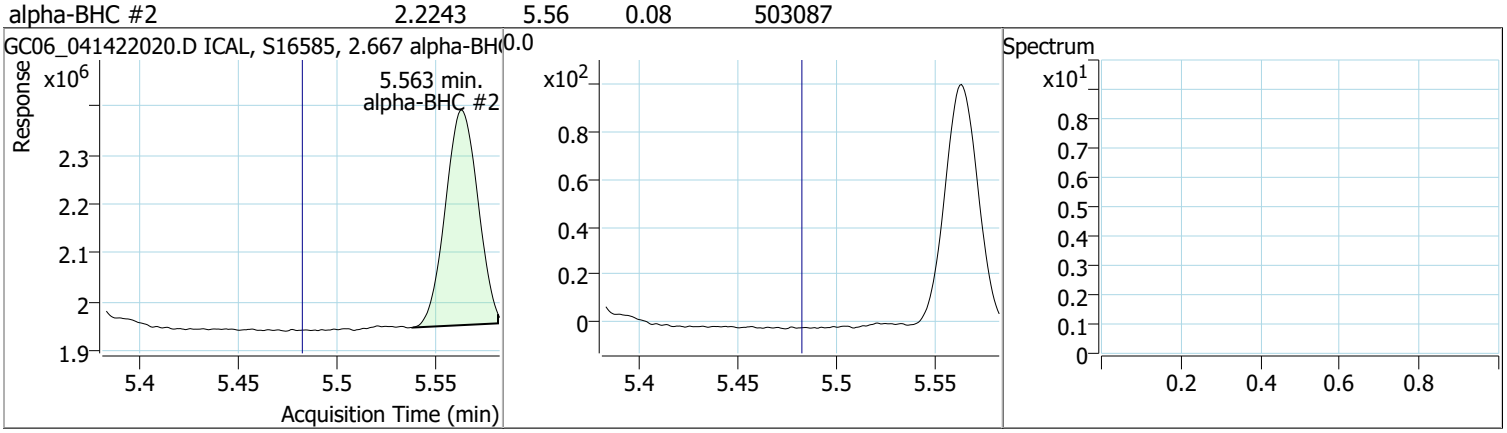
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	31.5084	4.90	0.00	8394614			



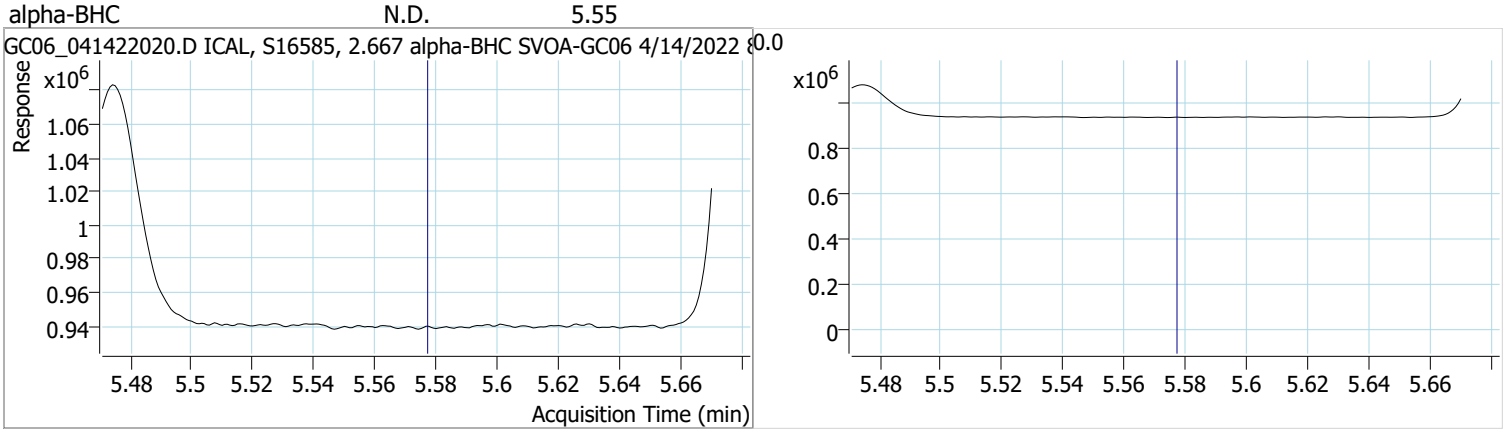
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	29.8347	5.01	0.01	2333042			



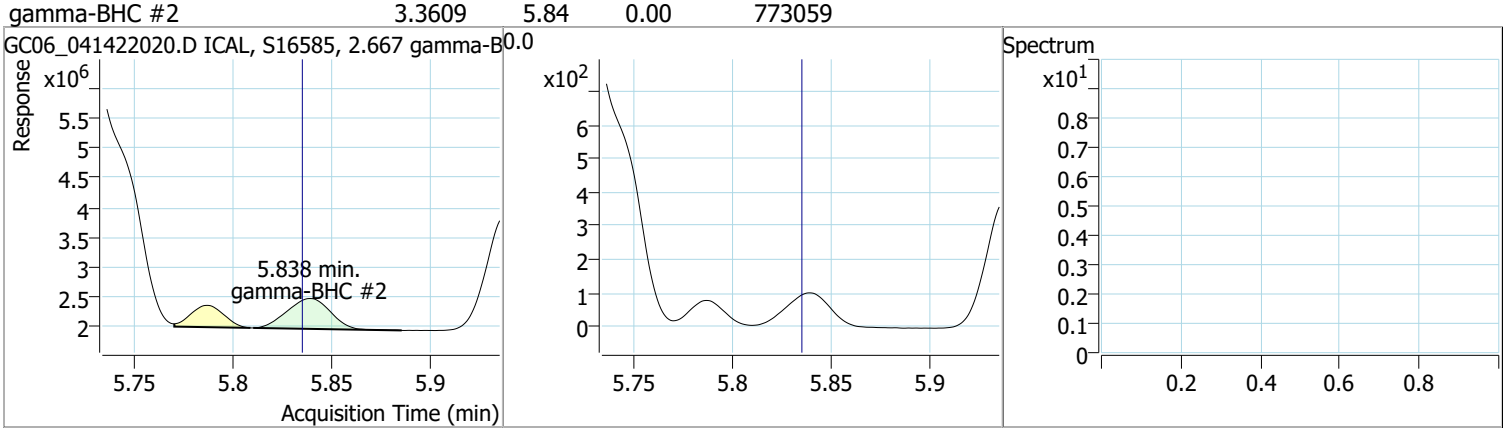
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	2.2243	5.56	0.08	503087			



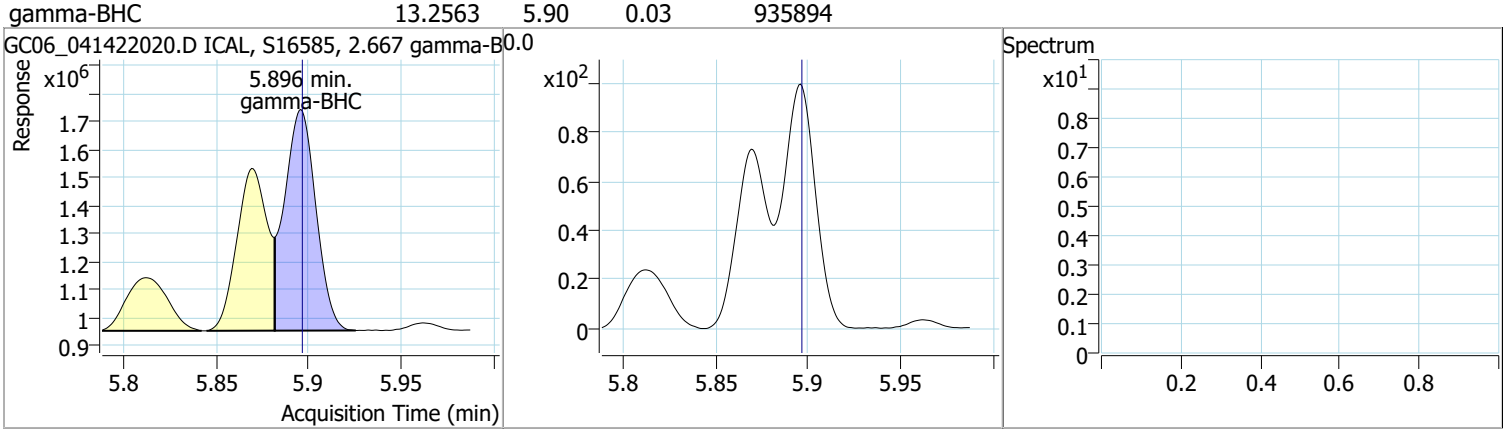
Compound	Conc.		Exp Ratio
alpha-BHC	N.D.	5.55	



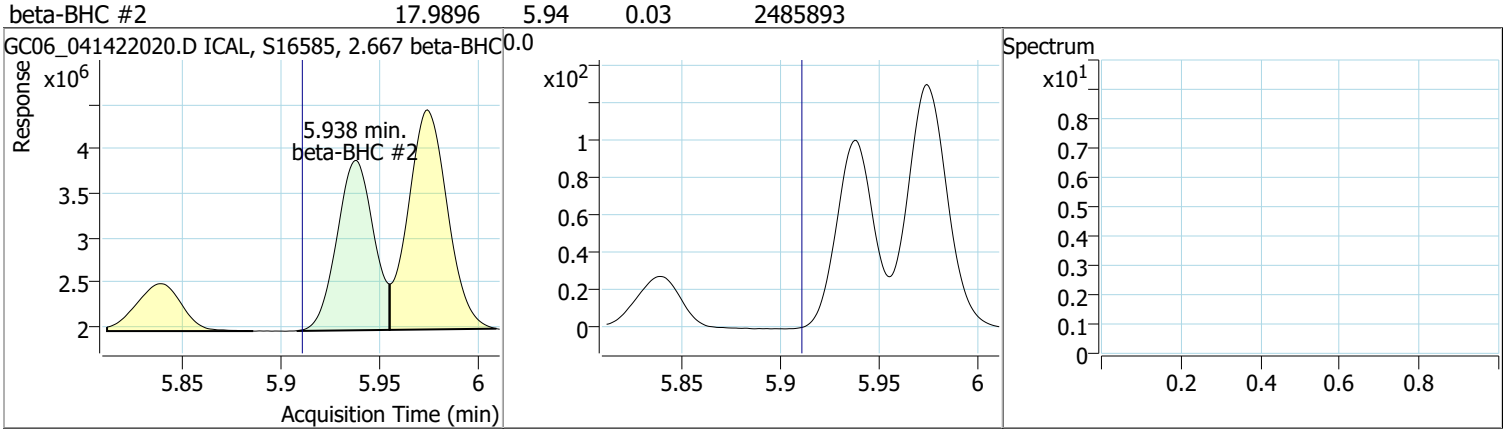
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	3.3609	5.84	0.00	773059			



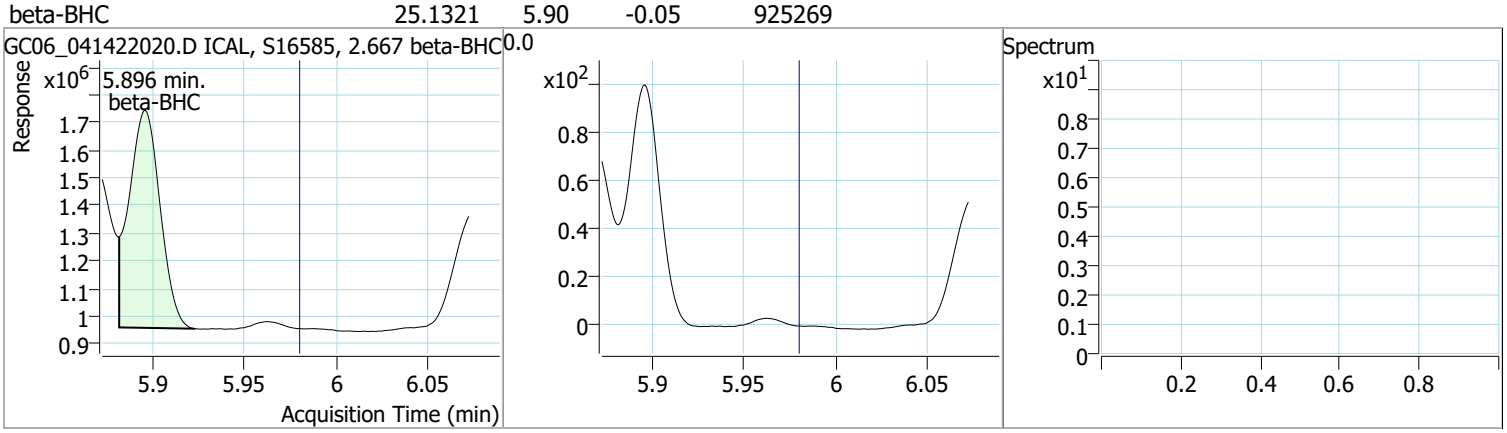
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	13.2563	5.90	0.03	935894			



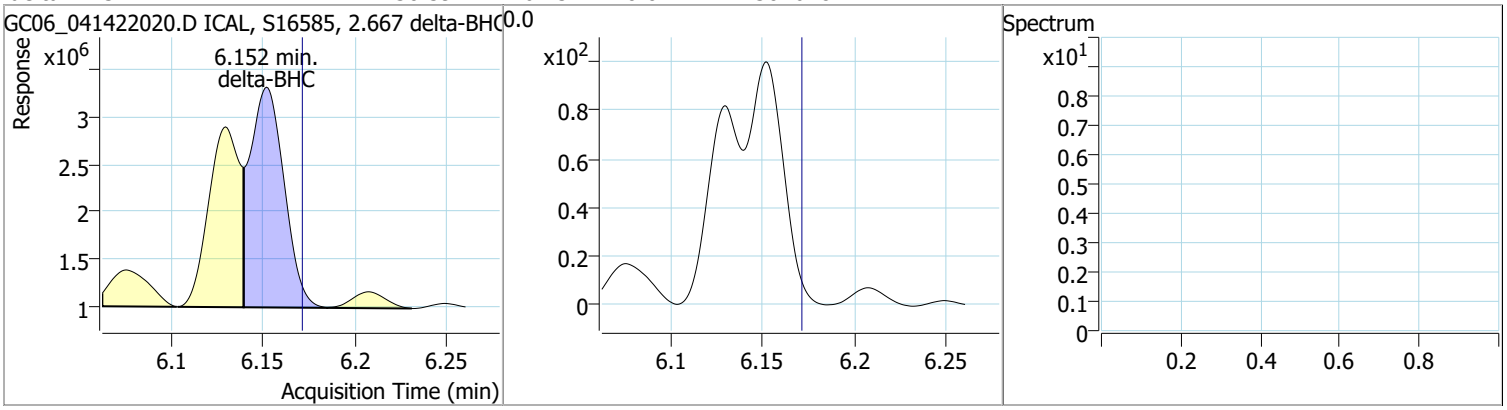
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	17.9896	5.94	0.03	2485893			



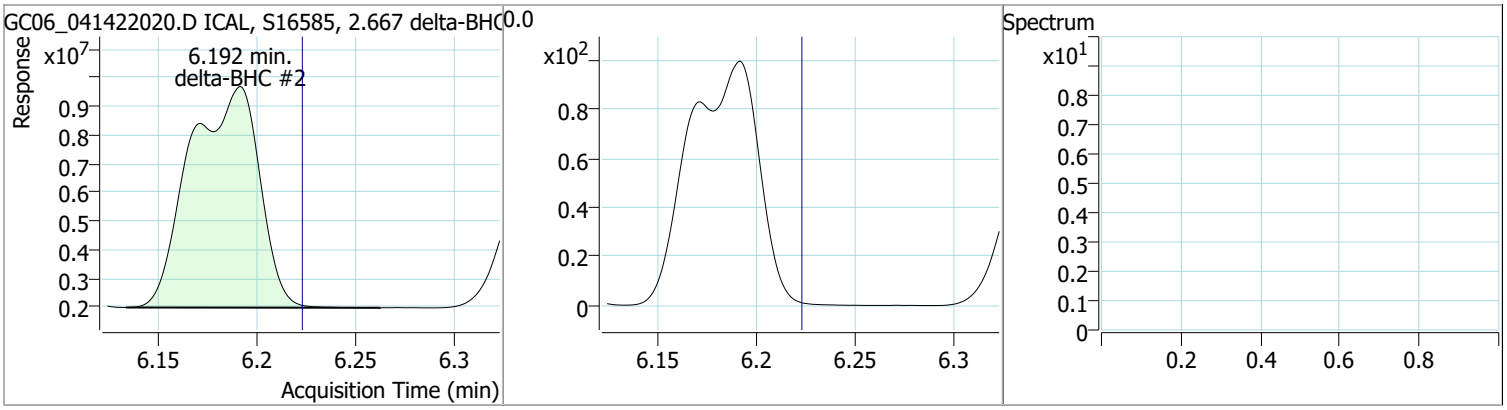
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	25.1321	5.90	-0.05	925269			



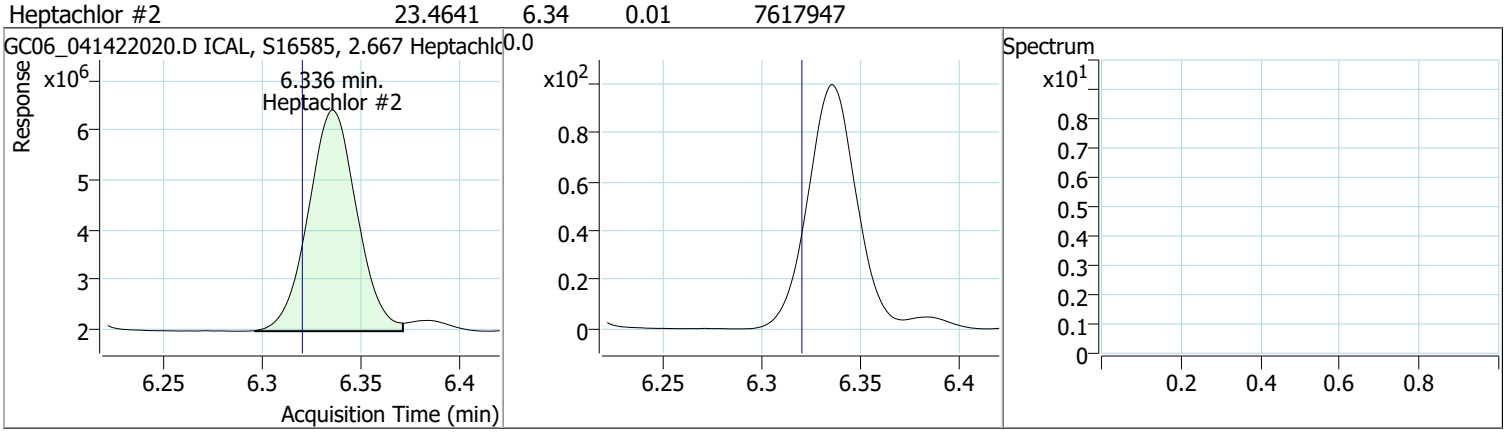
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	30.5974	6.15	0.01	3026787			



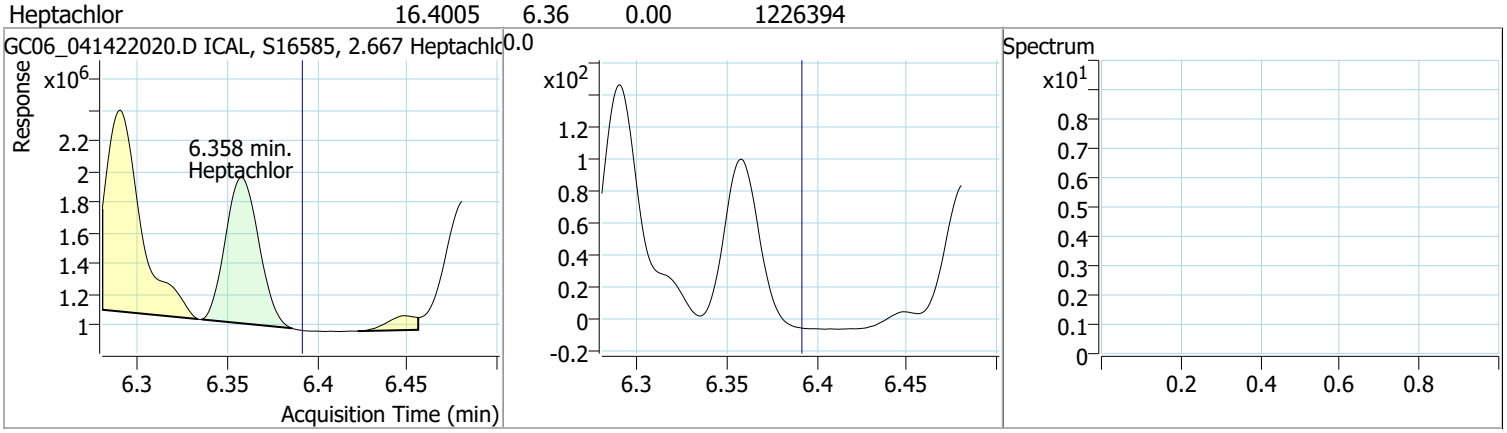
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	39.3011	6.19	-0.03	19000584			



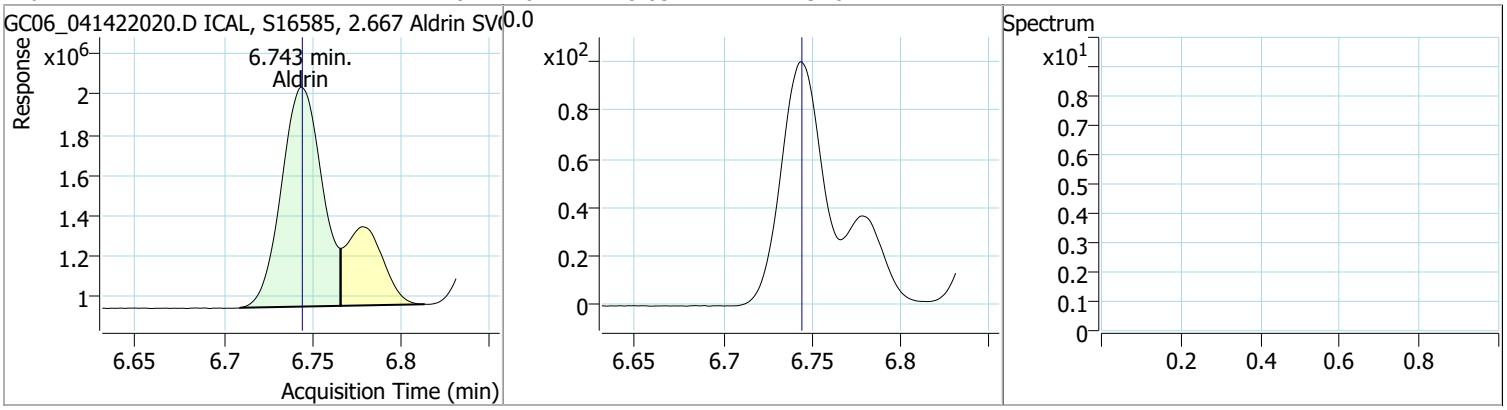
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	23.4641	6.34	0.01	7617947			



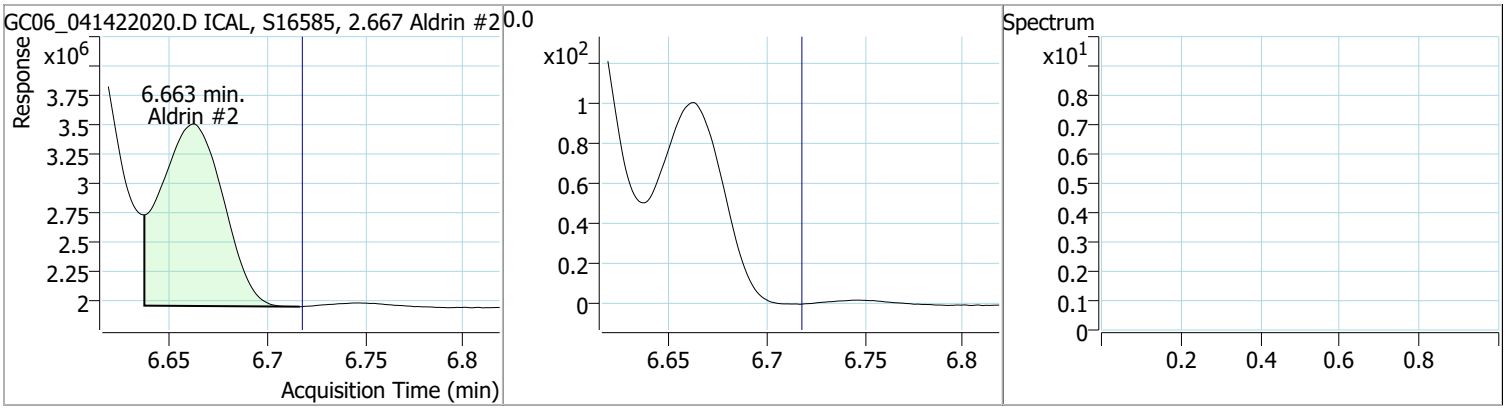
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	16.4005	6.36	0.00	1226394			



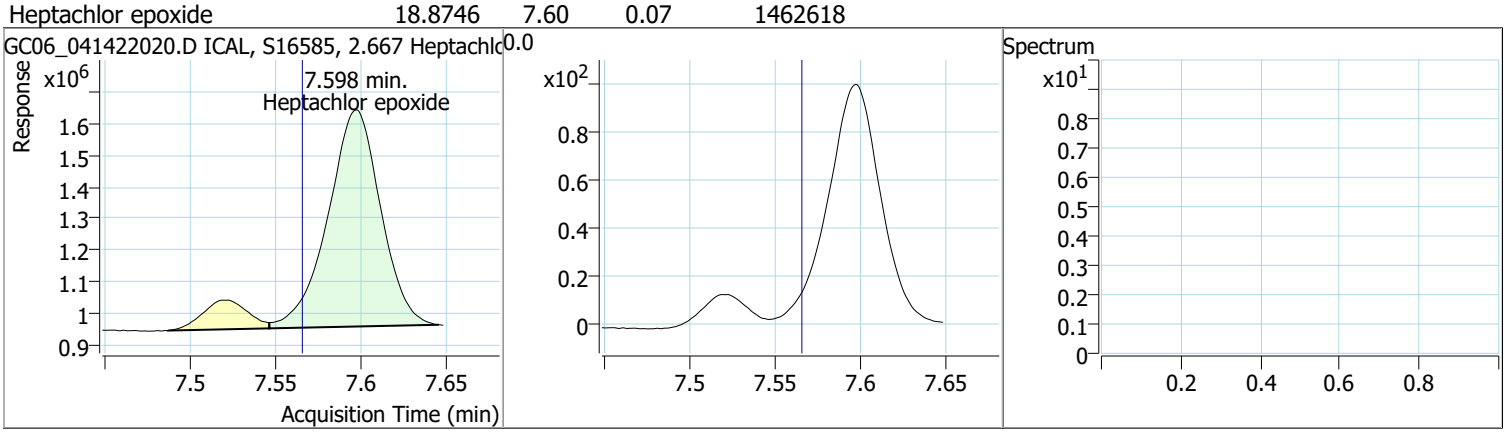
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	21.2207	6.74	0.03	1717976			



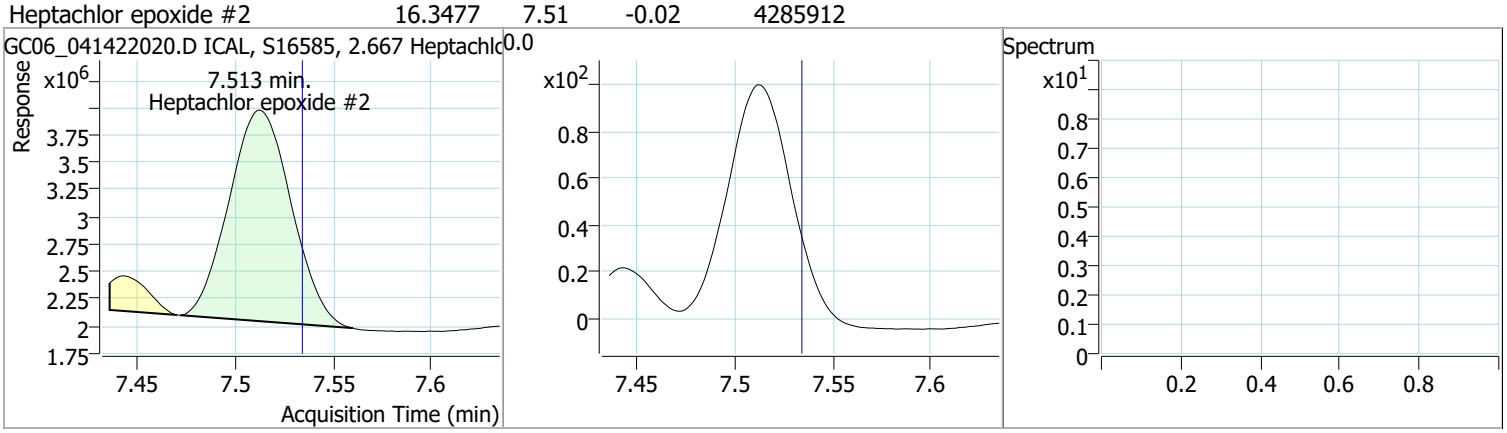
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	14.0681	6.66	-0.06	3438770			



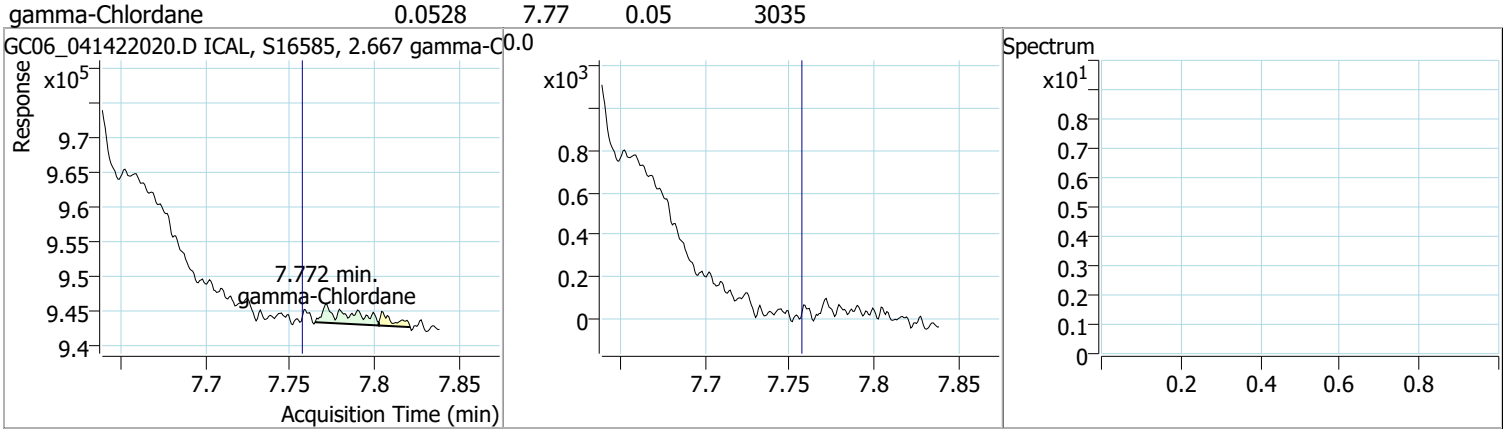
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	18.8746	7.60	0.07	1462618			



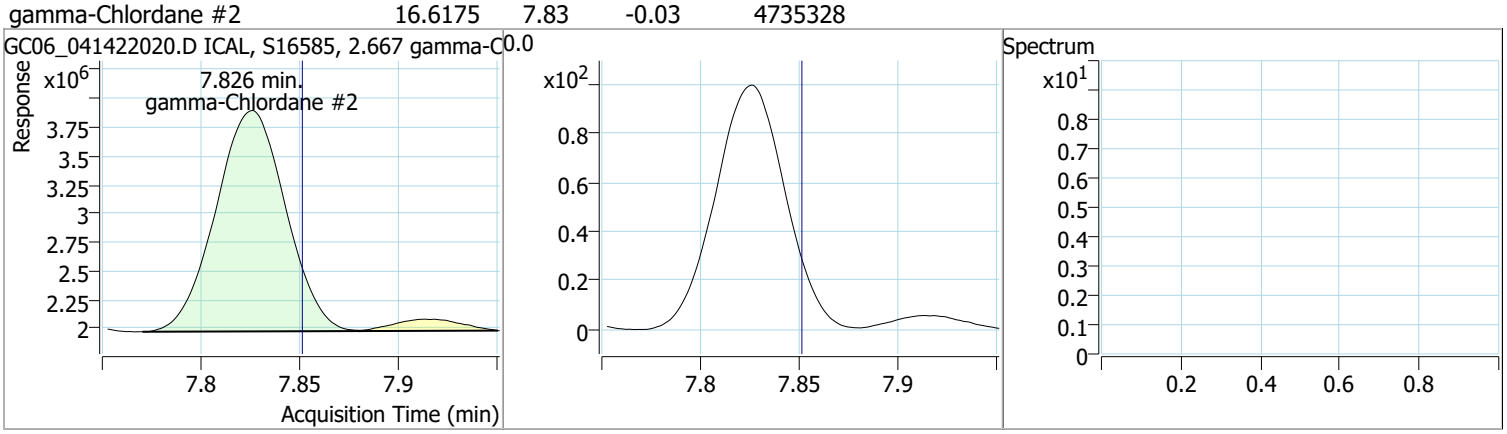
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	16.3477	7.51	-0.02	4285912			



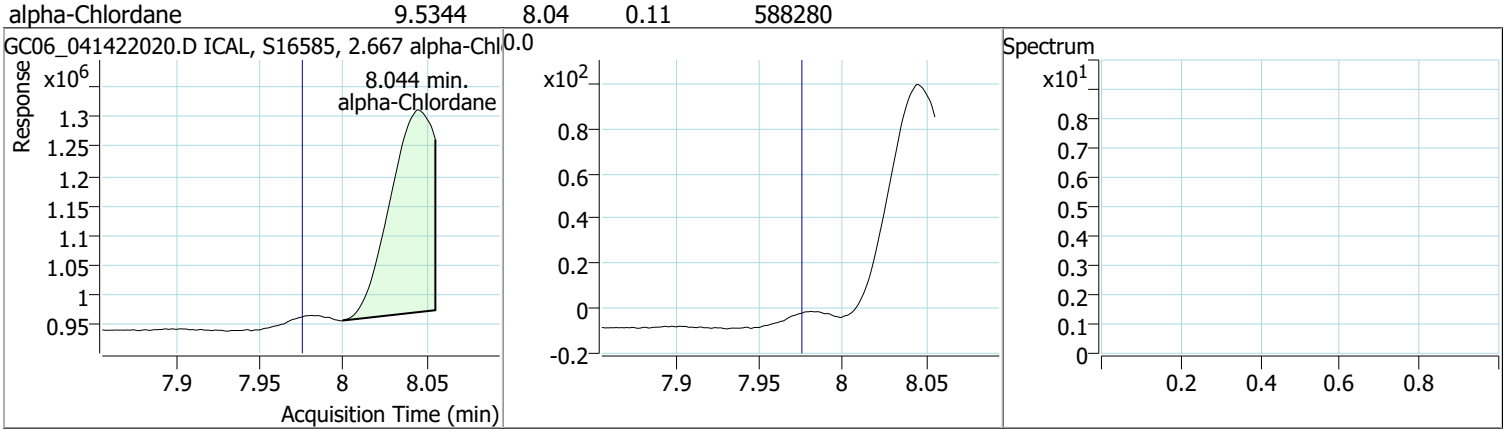
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0528	7.77	0.05	3035			



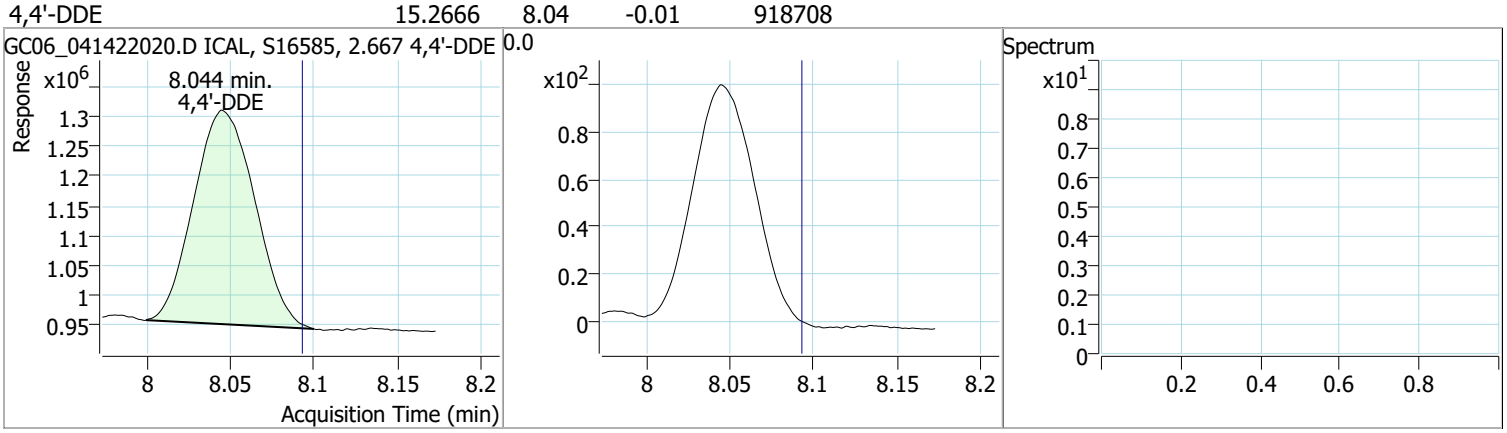
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	16.6175	7.83	-0.03	4735328			



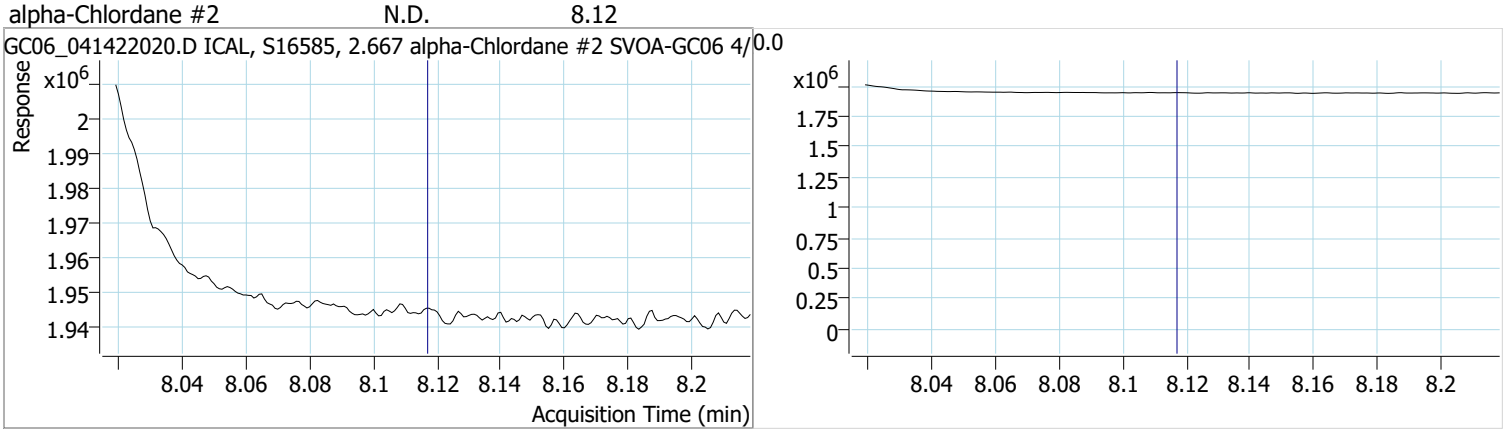
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	9.5344	8.04	0.11	588280			



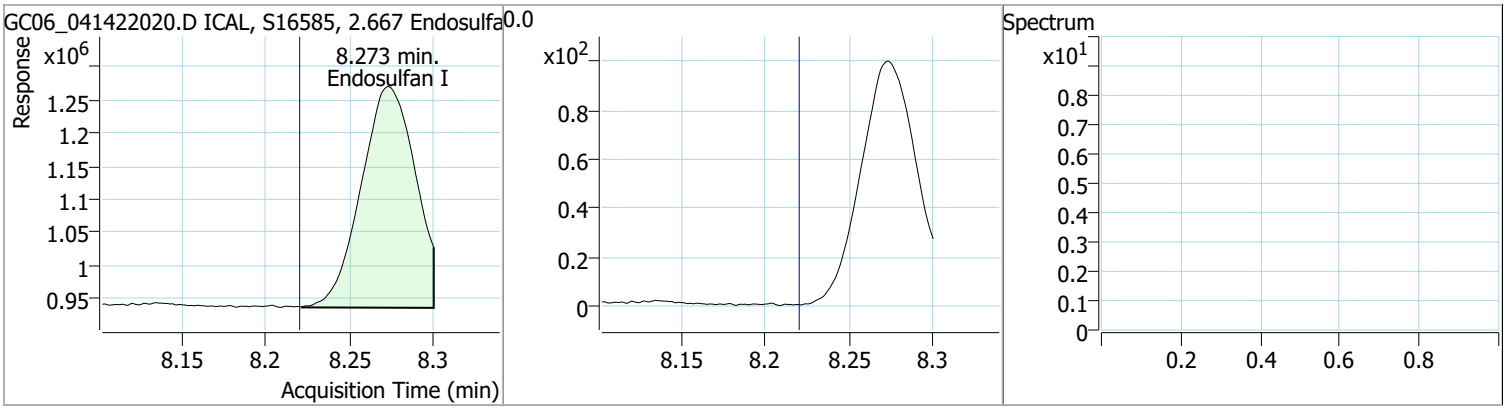
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	15.2666	8.04	-0.01	918708			



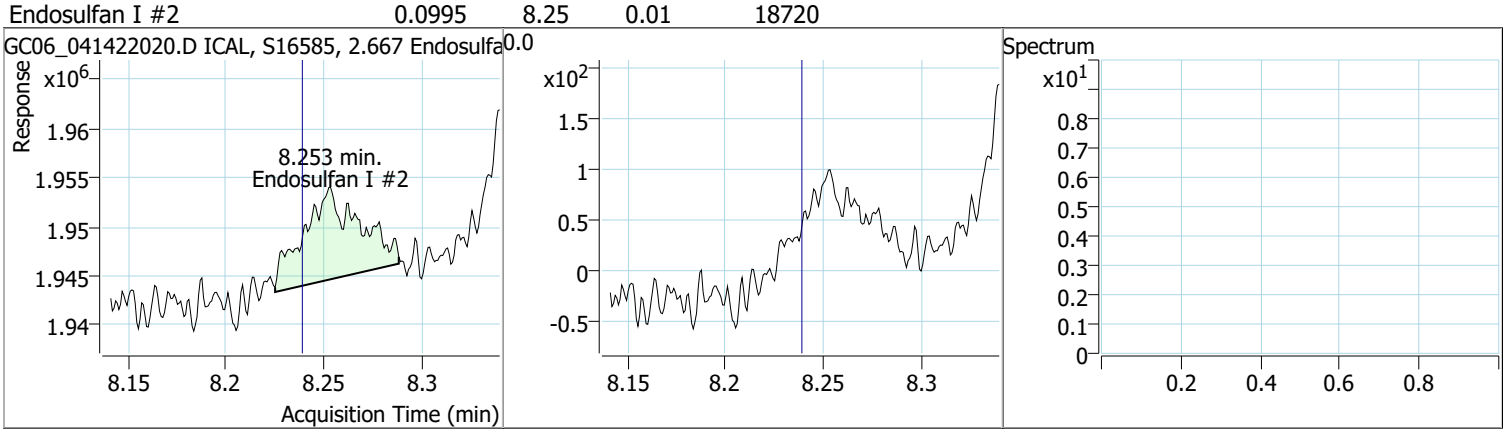
Compound	Conc.		Exp Ratio
alpha-Chlordane #2	N.D.	8.12	



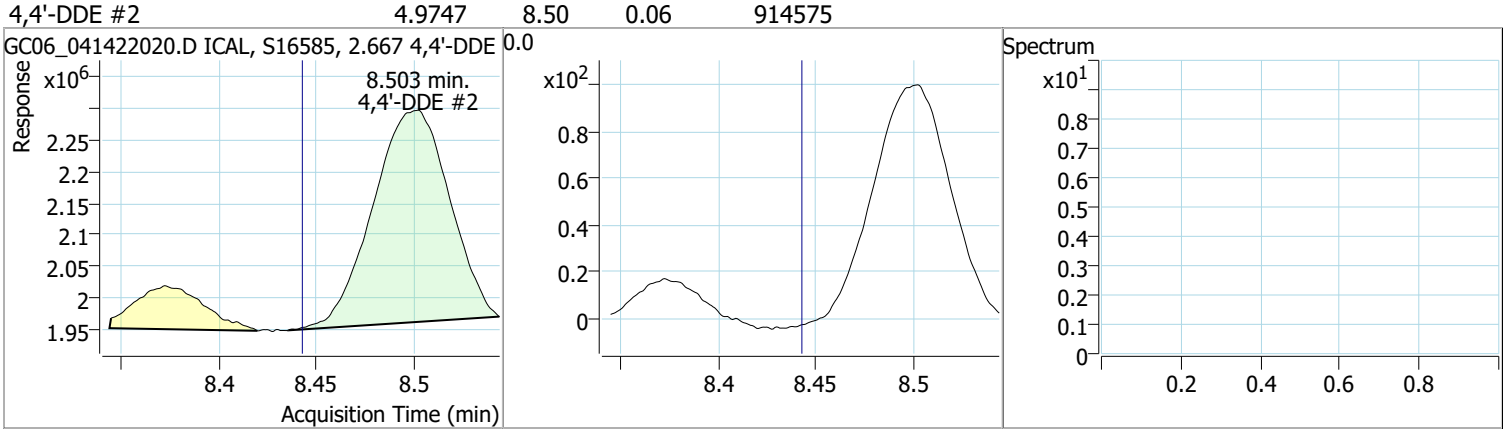
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	12.8182	8.27	0.09	752549			



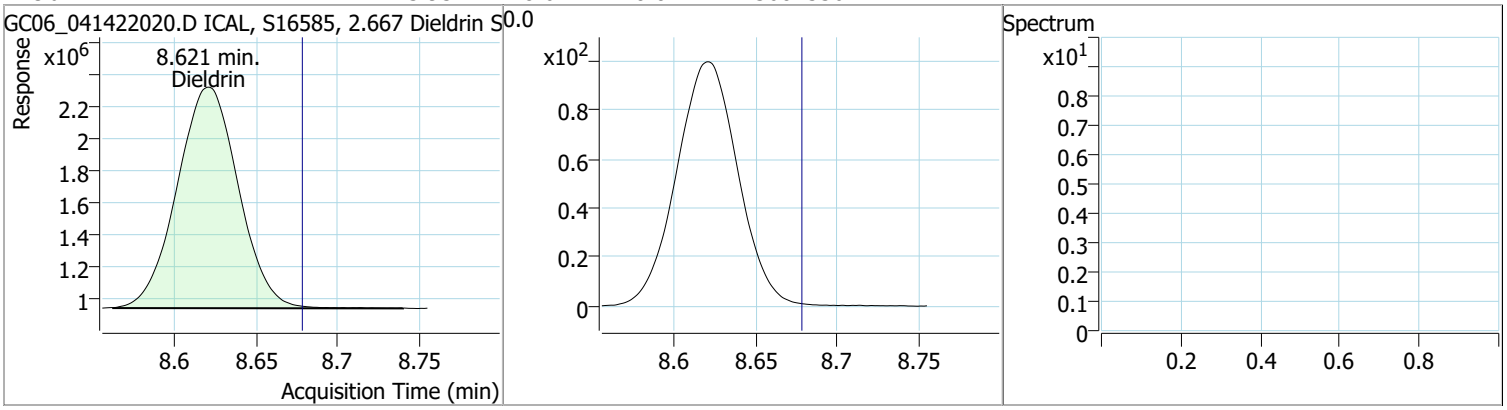
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.0995	8.25	0.01	18720			



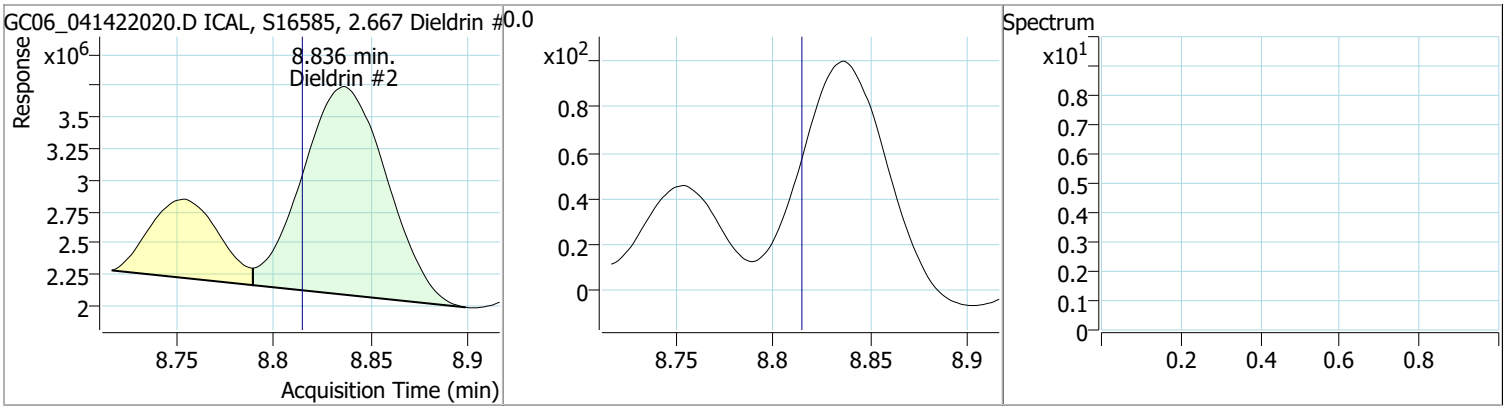
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	4.9747	8.50	0.06	914575			



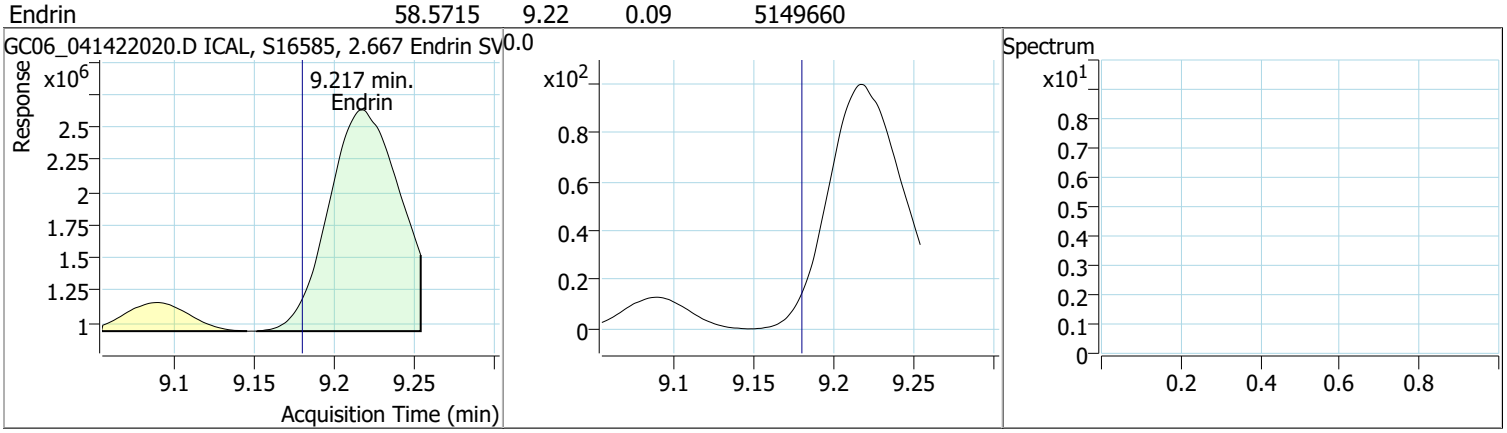
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	43.9527	8.62	-0.01	3602536			



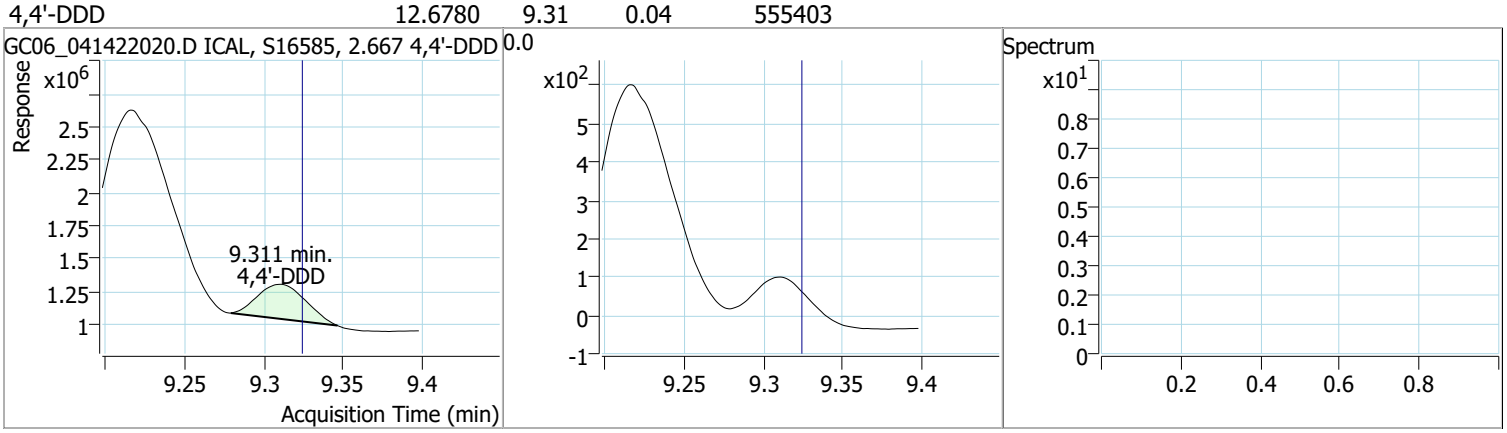
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	22.1957	8.84	0.02	4987733			



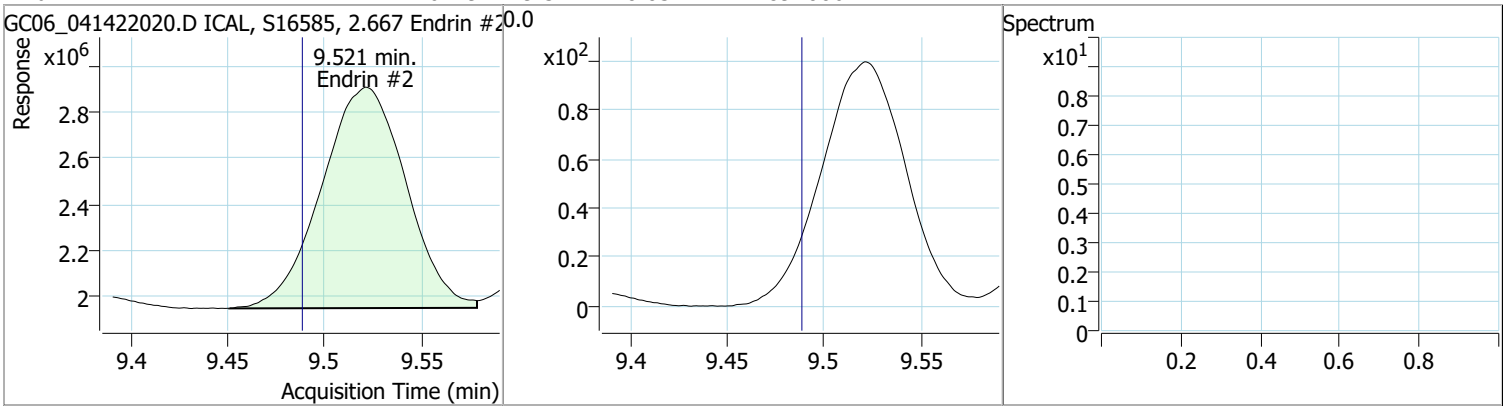
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	58.5715	9.22	0.09	5149660			



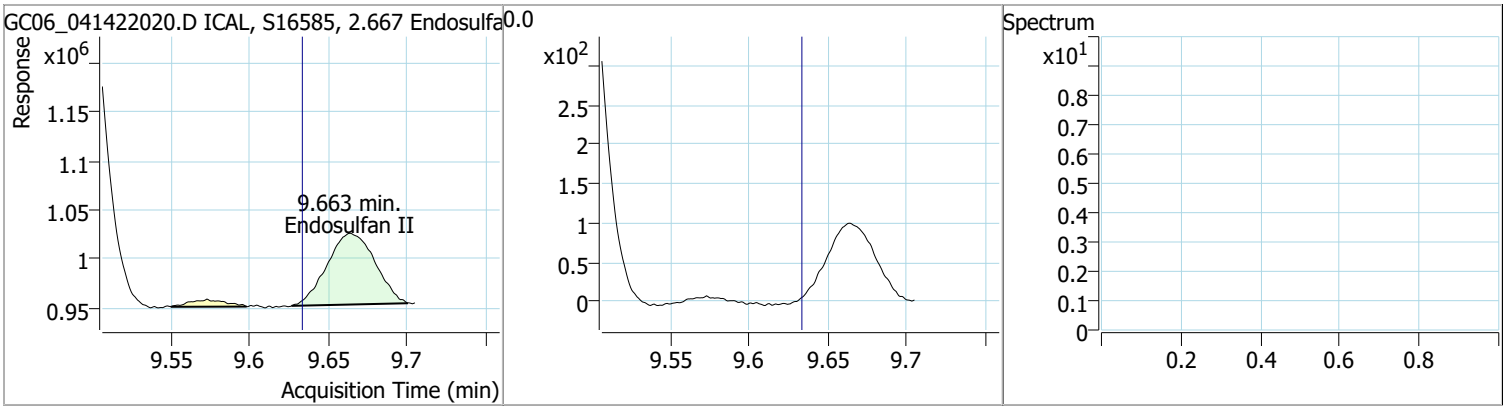
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	12.6780	9.31	0.04	555403			



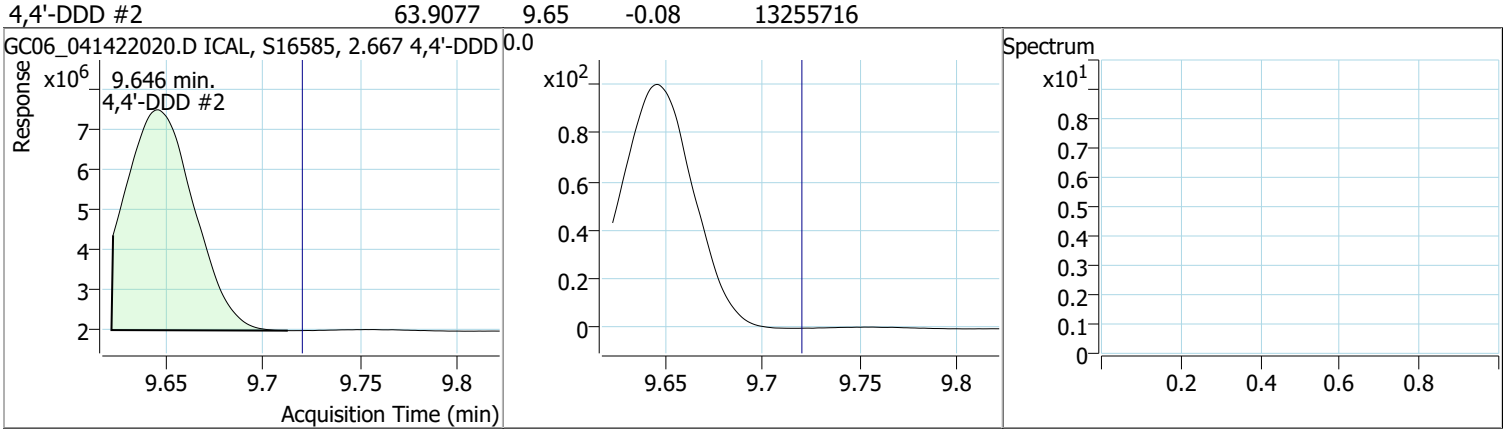
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endrin #2	14.6749	9.52	0.03	2892006		



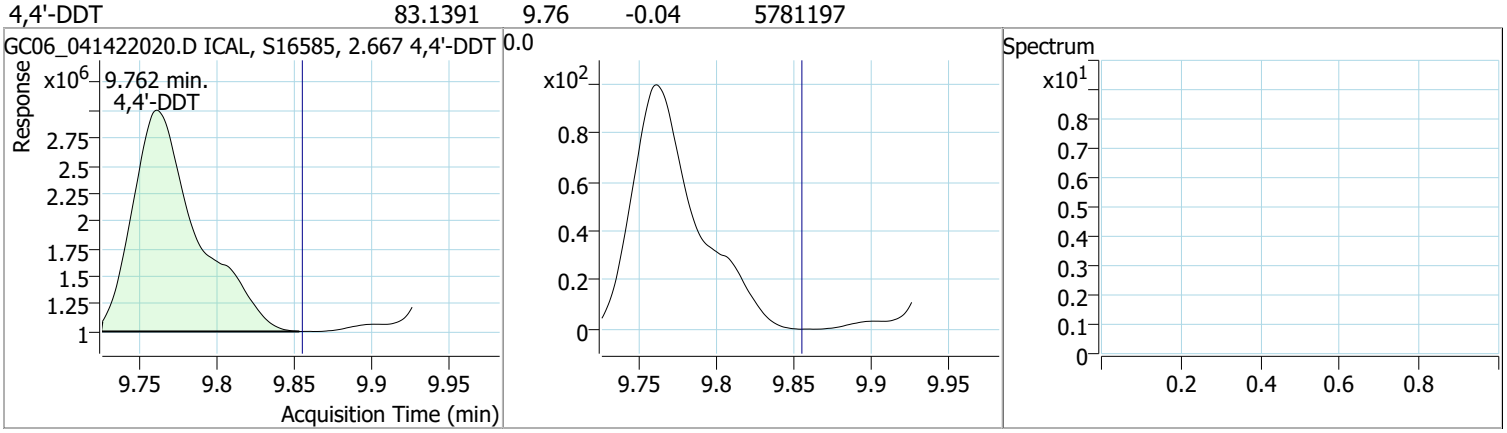
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	2.7932	9.66	0.08	154699		



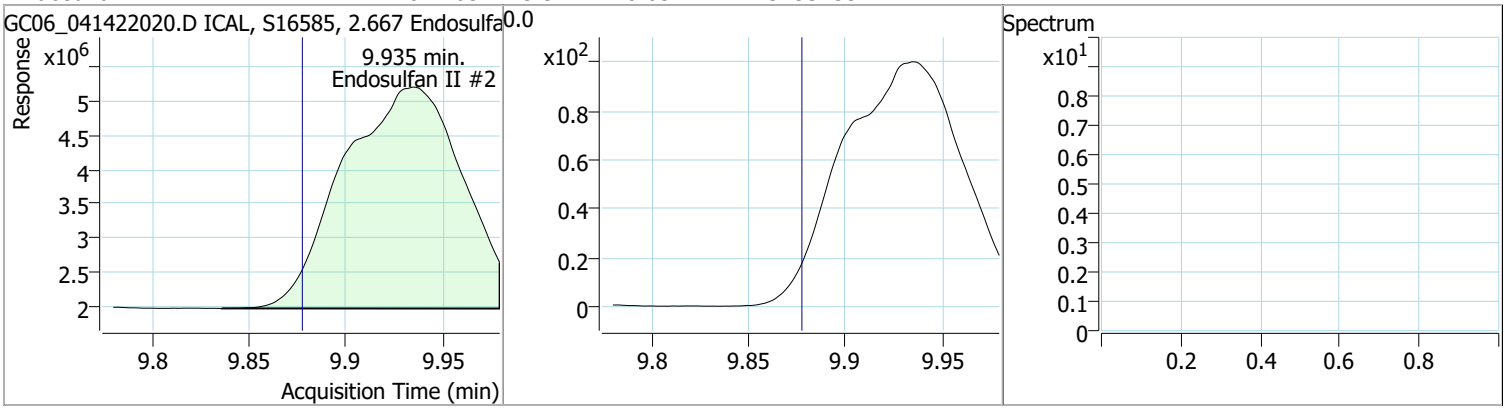
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	63.9077	9.65	-0.08	13255716		



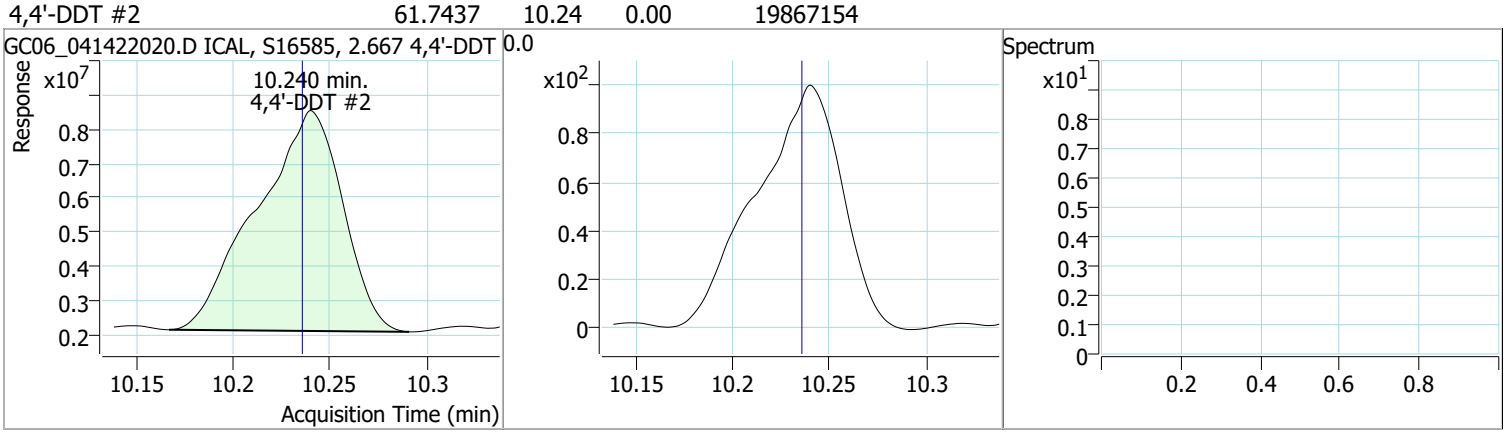
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	83.1391	9.76	-0.04	5781197		



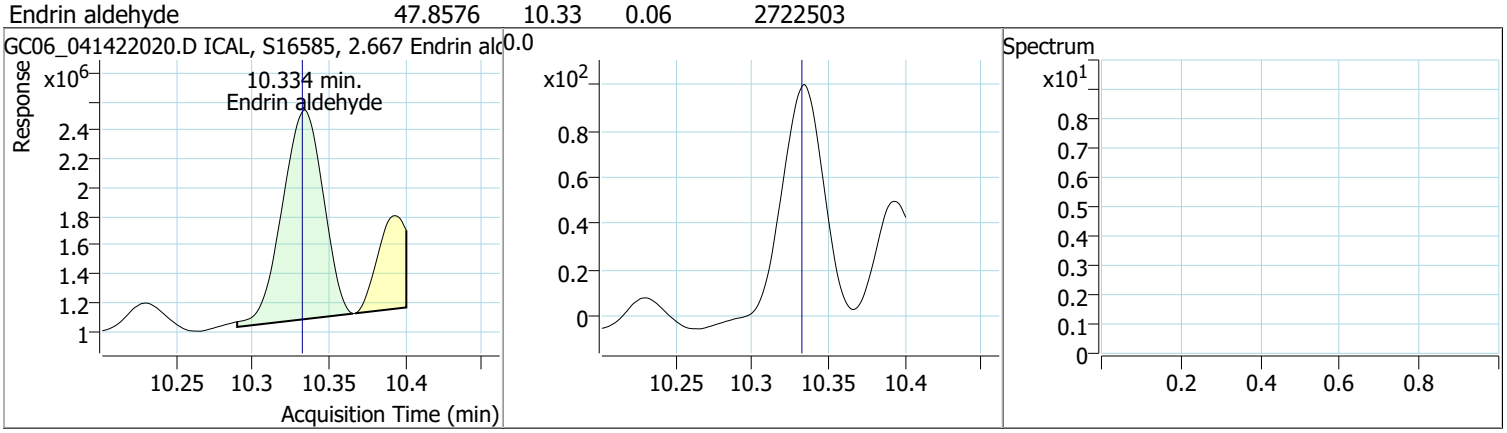
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	48.7765	9.94	0.05	13733433			



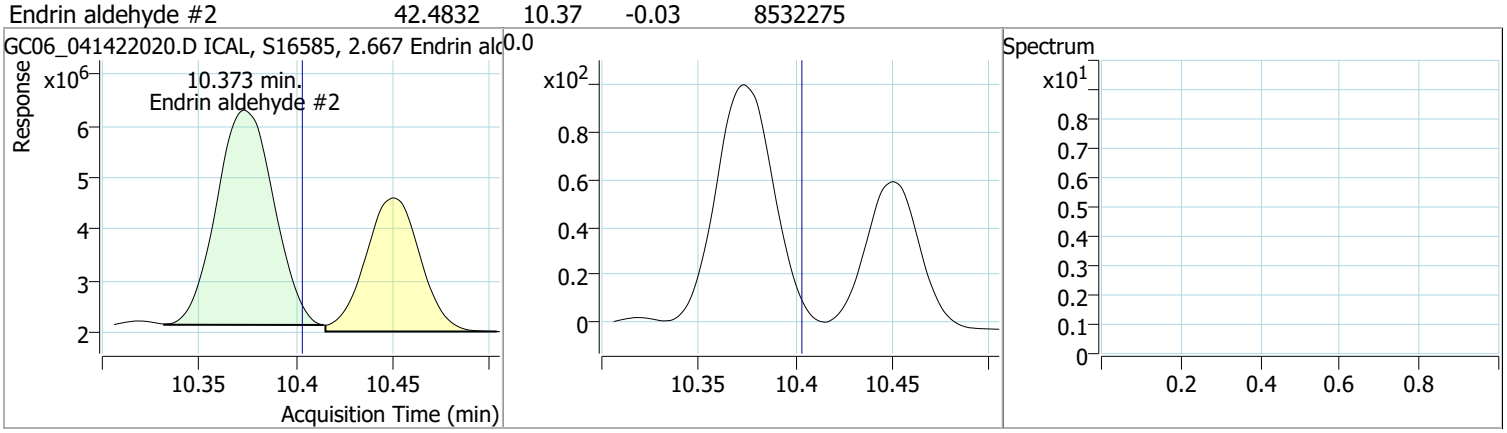
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	61.7437	10.24	0.00	19867154			



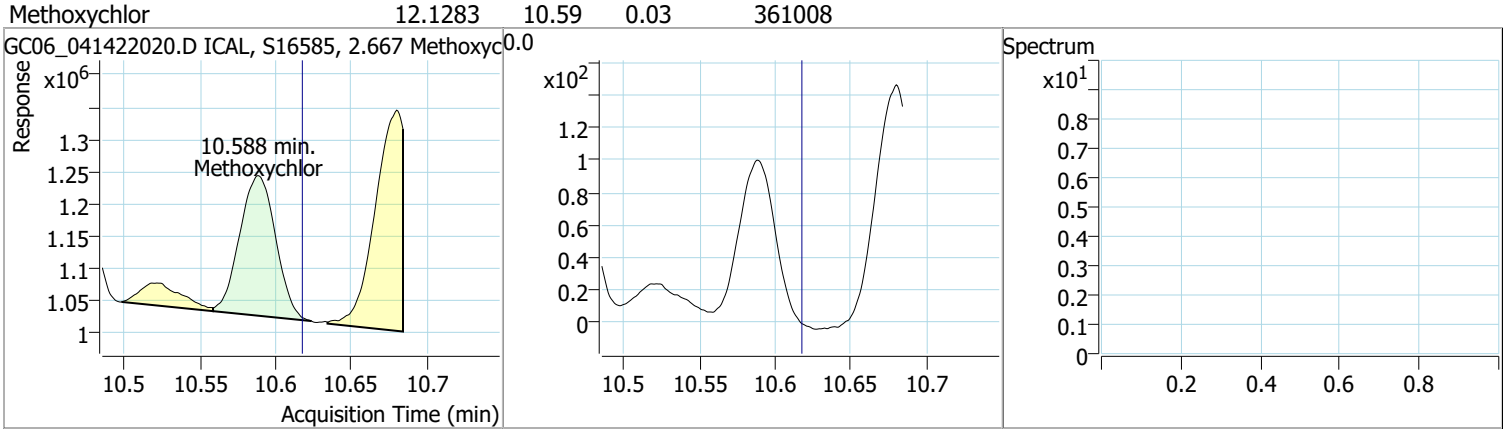
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	47.8576	10.33	0.06	2722503			



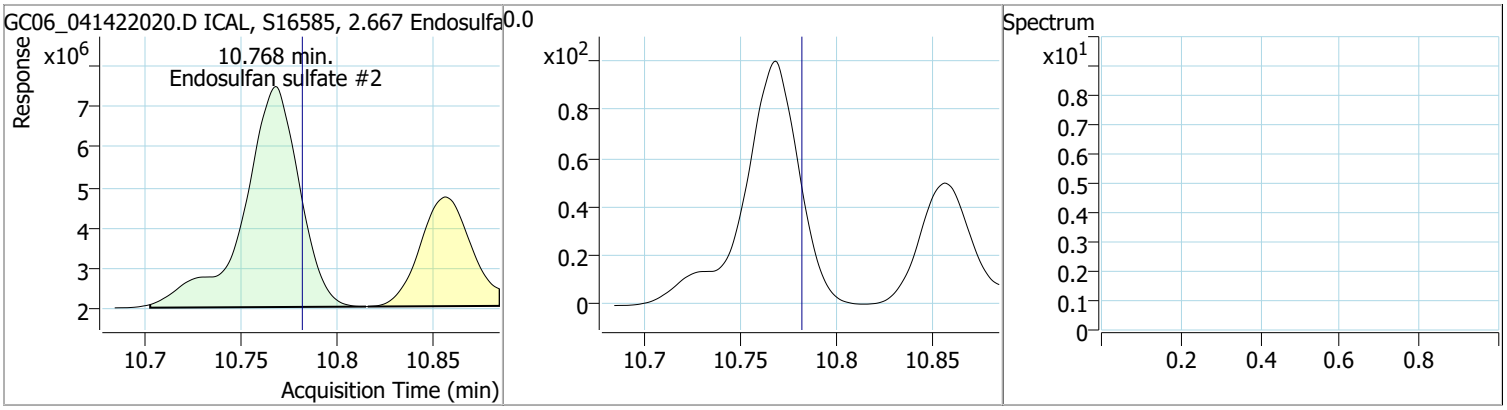
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	42.4832	10.37	-0.03	8532275			



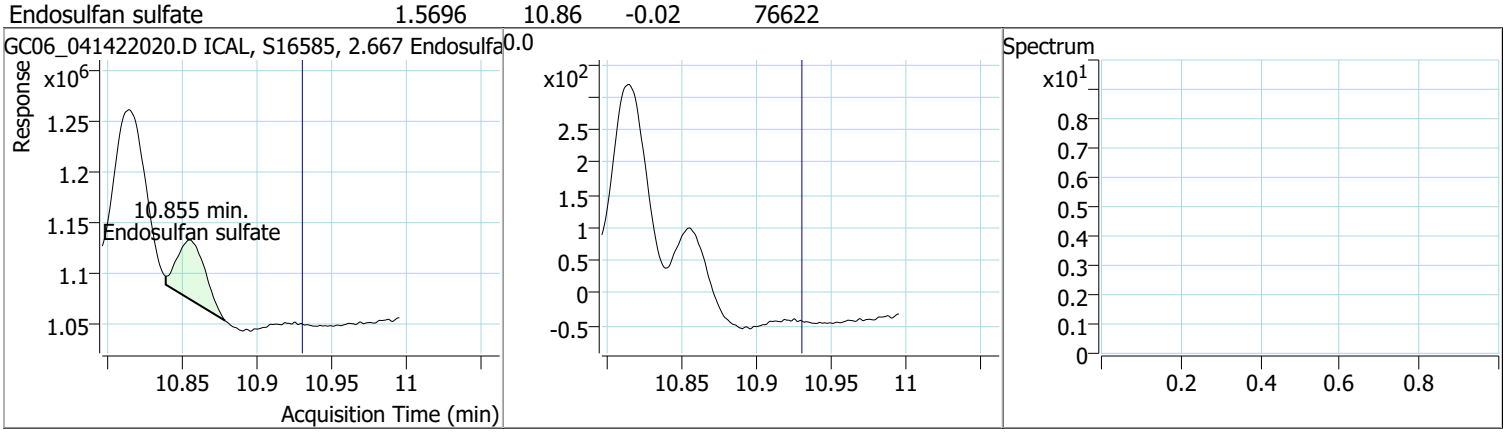
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	12.1283	10.59	0.03	361008			



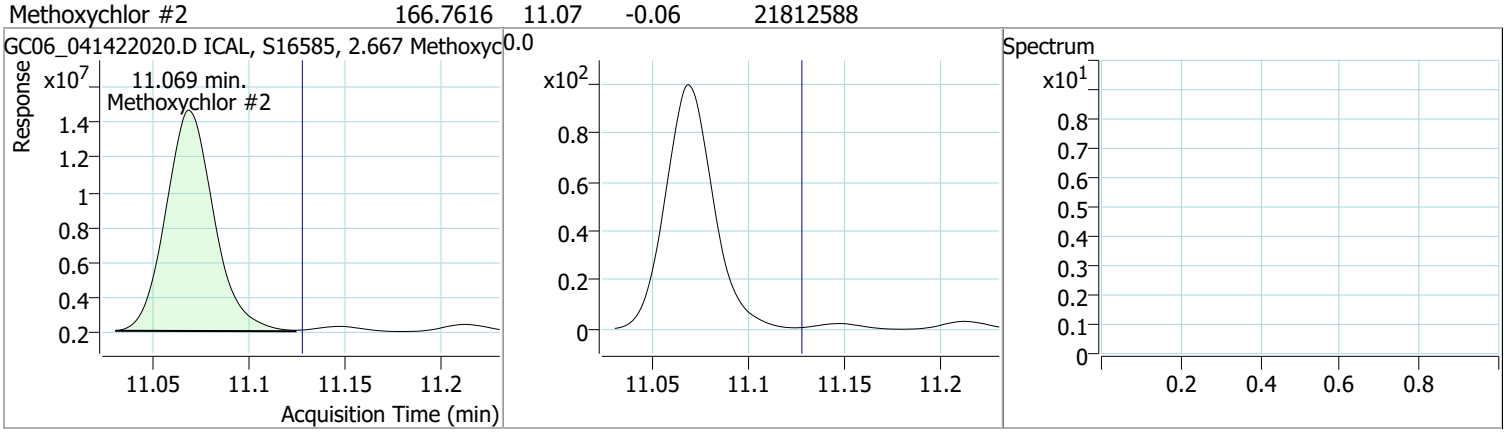
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	46.8221	10.77	-0.02	10983606			



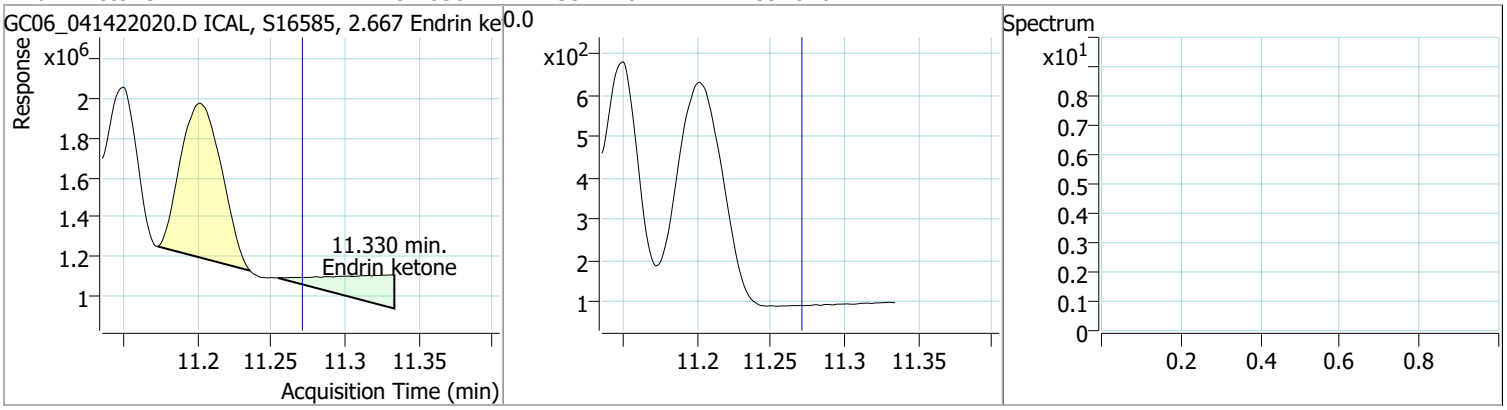
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	1.5696	10.86	-0.02	76622			



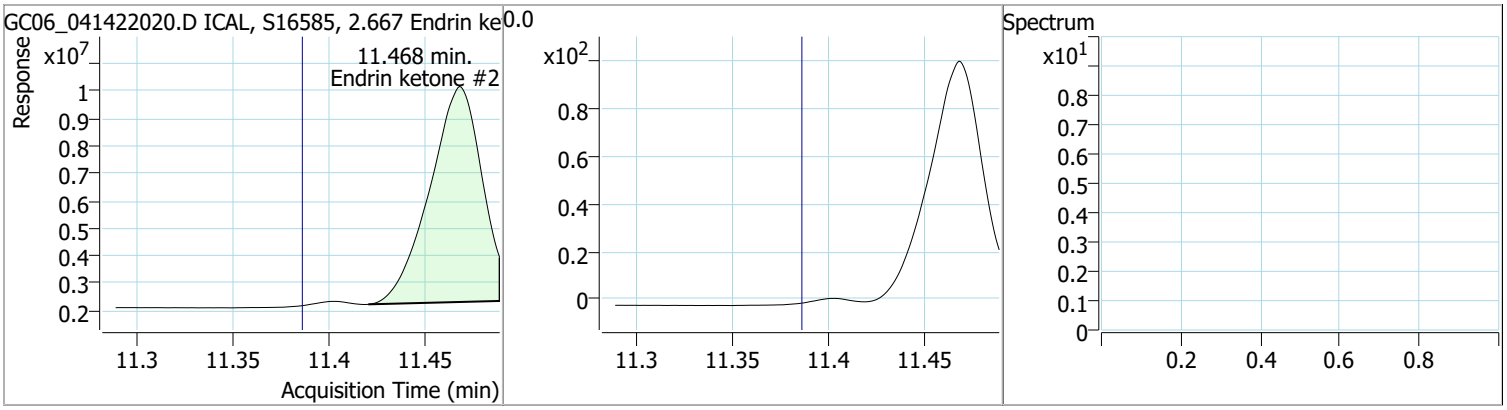
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	166.7616	11.07	-0.06	21812588			



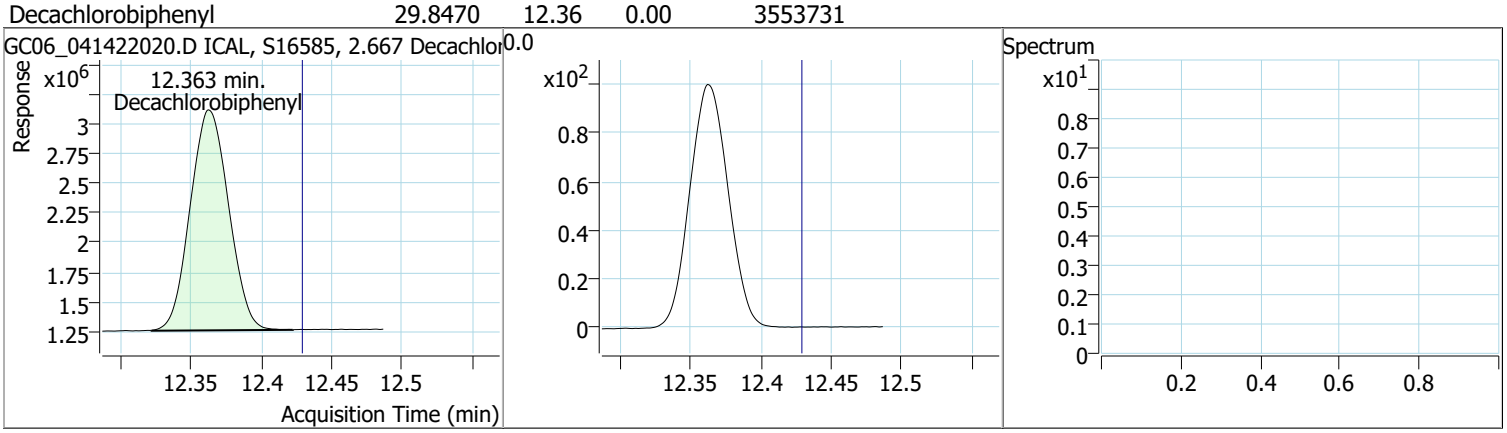
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	5.7838	11.33	0.12	397876			



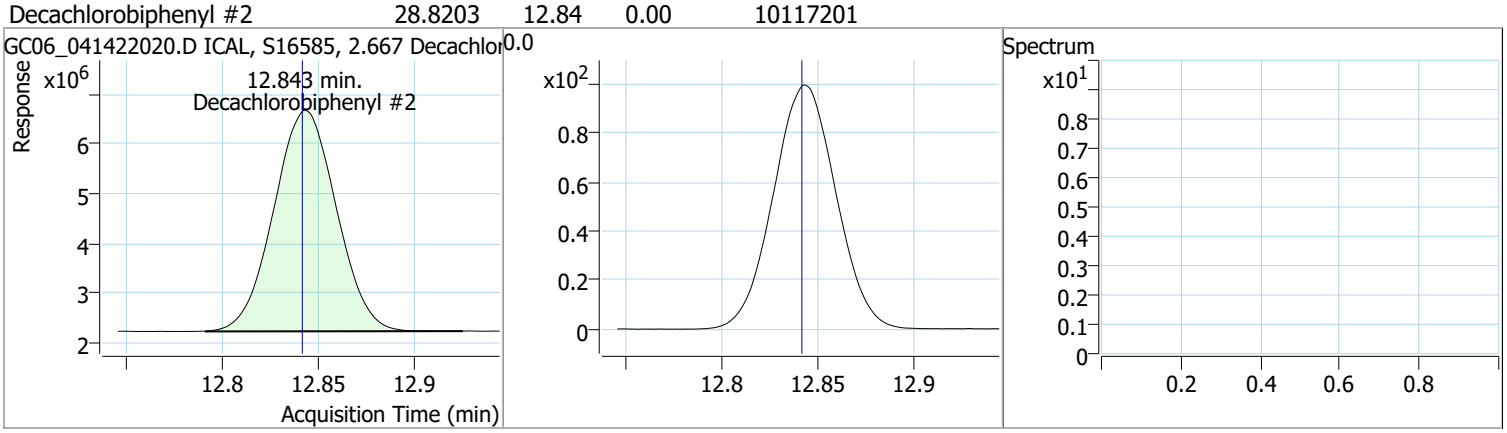
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	48.4077	11.47	0.08	14584668			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	29.8470	12.36	0.00	3553731			

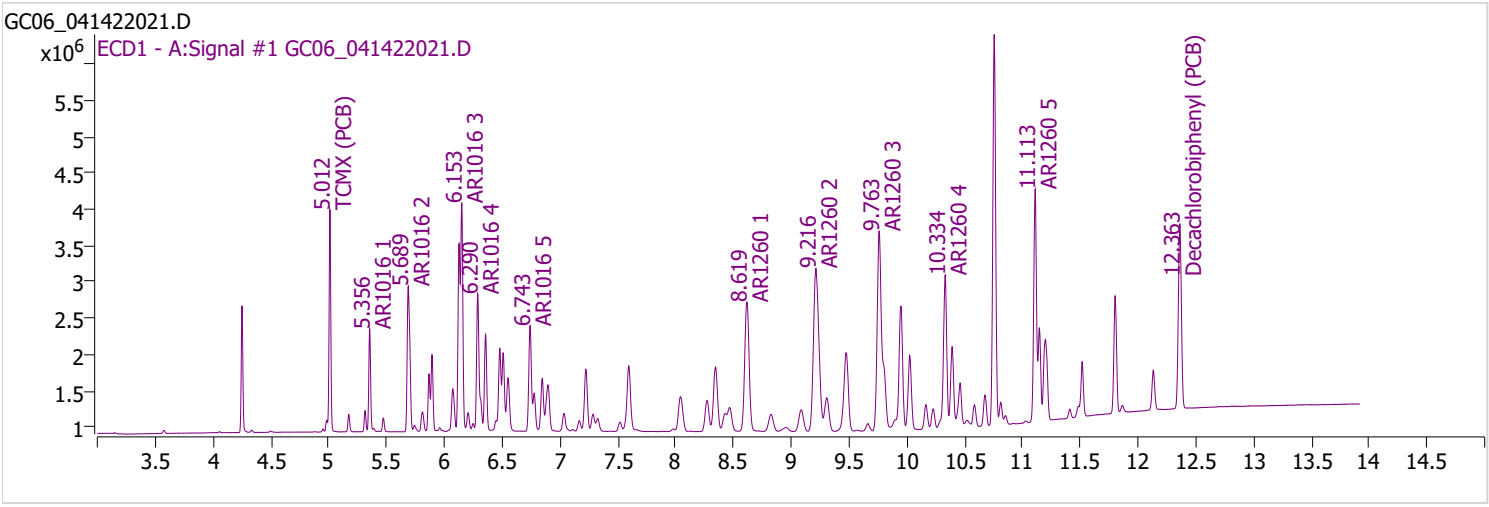


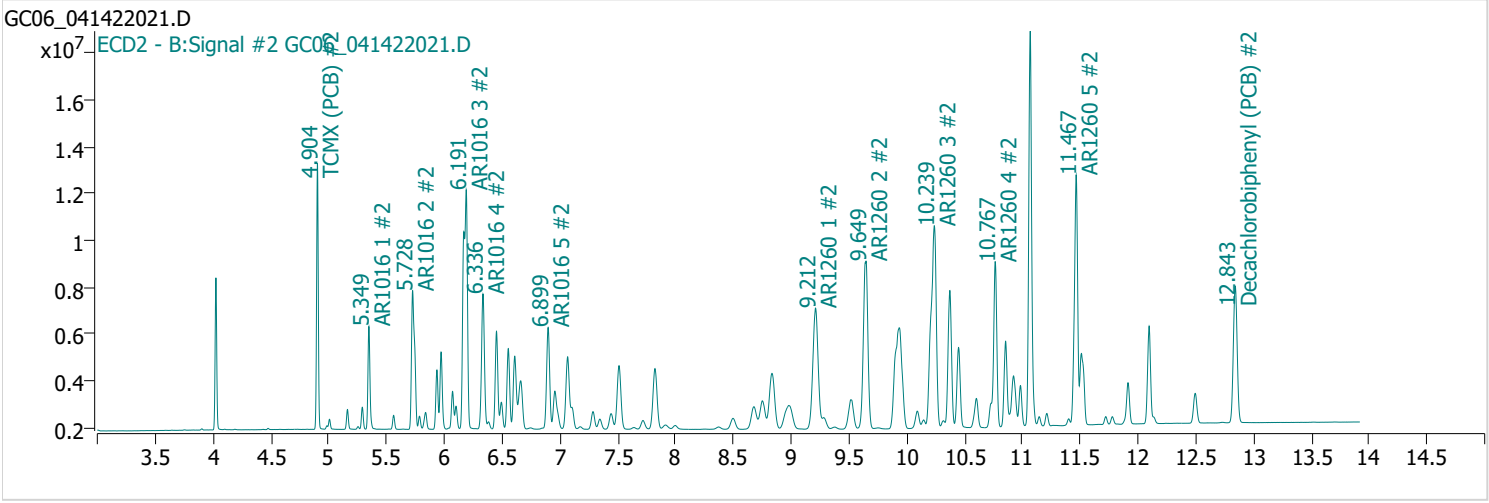
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	28.8203	12.84	0.00	10117201			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422021.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:26:46 PM
Sample Name	ICAL, S16585, 2	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 117	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



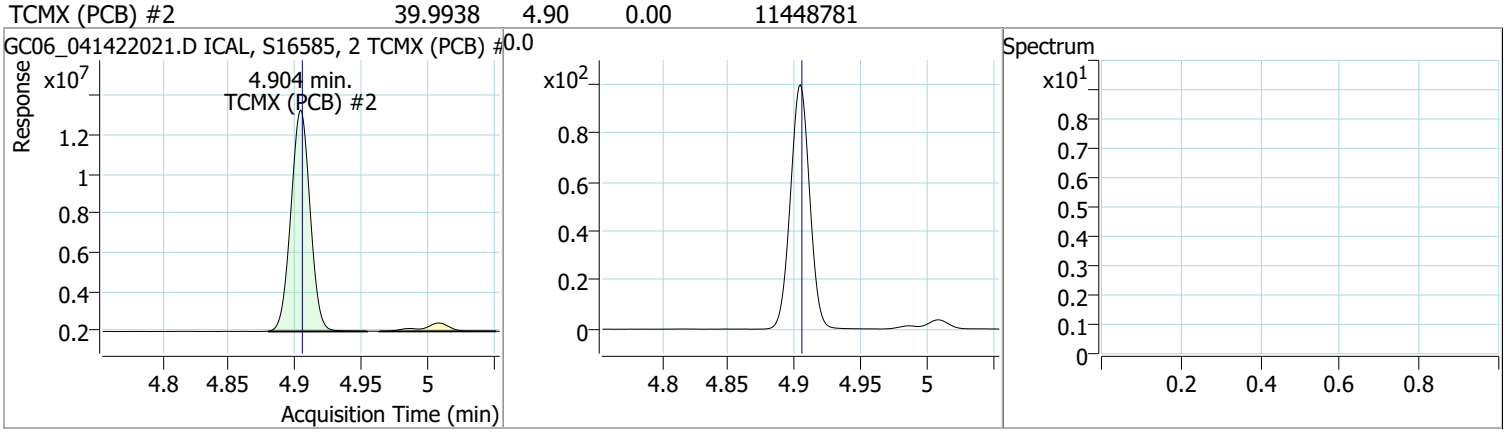


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.252	4.026	1726223	6249825	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.012	4.904	3158804	11448781	38.043	39.994	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	190.22% *	199.97% *	
S Decachlorobiphenyl (PCB)	12.363	12.843	4719394	13502951	35.957	35.805	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	179.78% *	179.02% *	
Target Compounds							
T AR1016 1	5.356	5.349	1559025	5412266	923.292	924.736	ng/ml
T AR1016 2	5.689	5.728	3283408	11352100	893.055	934.640	ng/ml
T AR1016 3	6.153	6.191	4098689	15182937 m	947.237	947.862	ng/ml
T AR1016 4	6.290	6.336	3006591	10164592	928.517	935.344	ng/ml
T AR1016 5	6.743	6.899	2288258	7985575	913.555	939.893	ng/ml
T AR1260 1	8.619	9.212	4769088	16601847 m	877.883	877.677	ng/ml
T AR1260 2	9.216	9.649	7387577	19464462	882.911	890.558	ng/ml
T AR1260 3	9.763	10.239	8027982 m	26860418	922.930	904.557	ng/ml
T AR1260 4	10.334	10.767	3879336	13727290	896.754	854.312	ng/ml

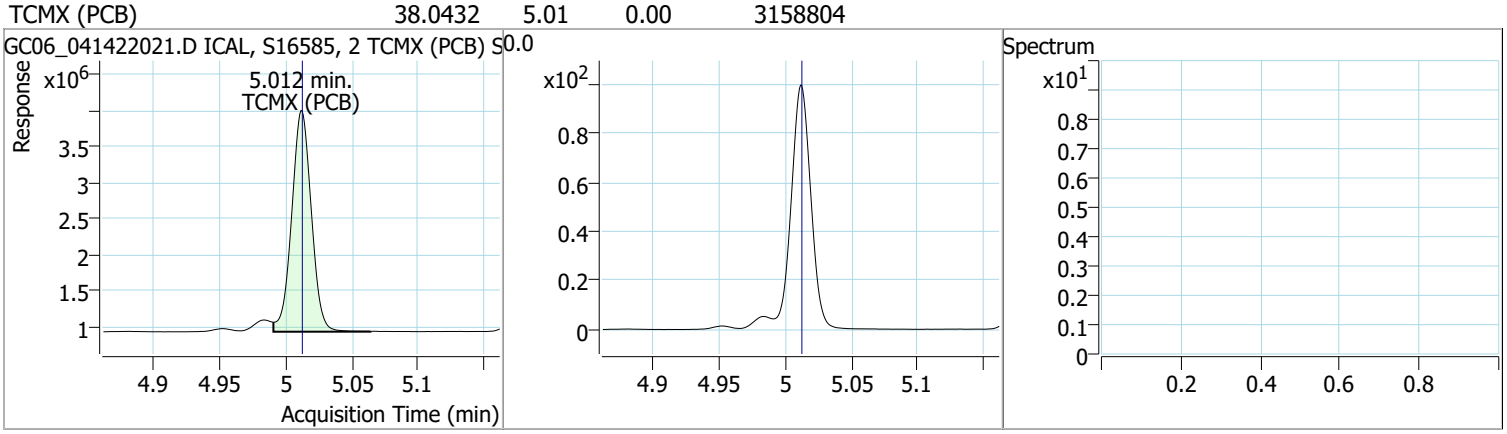
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.113	11.467	5329819	20928472	930.881	883.433	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

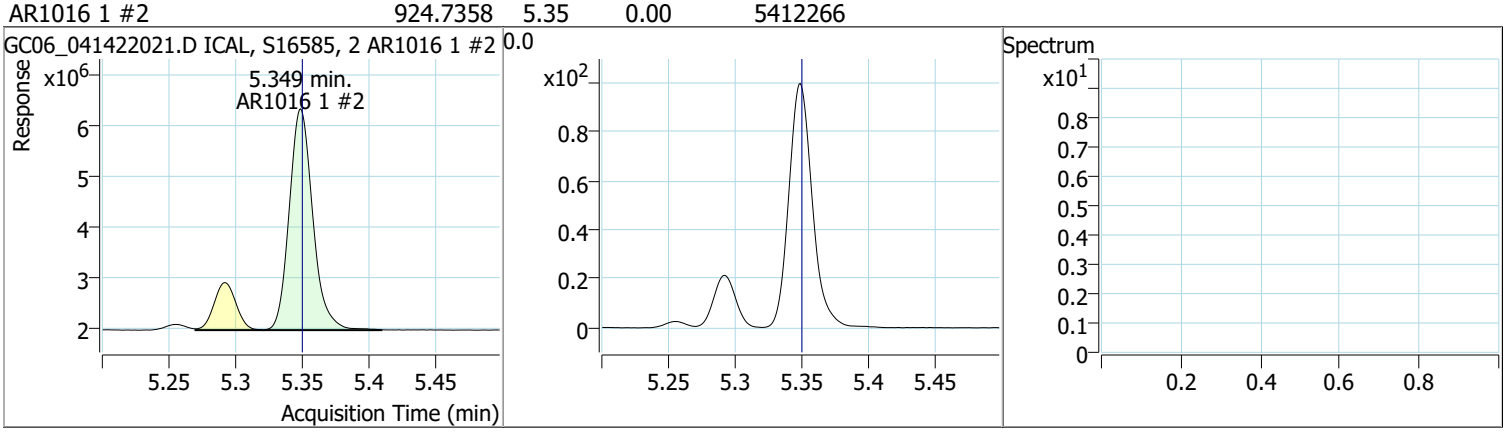
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	39.9938	4.90	0.00	11448781			



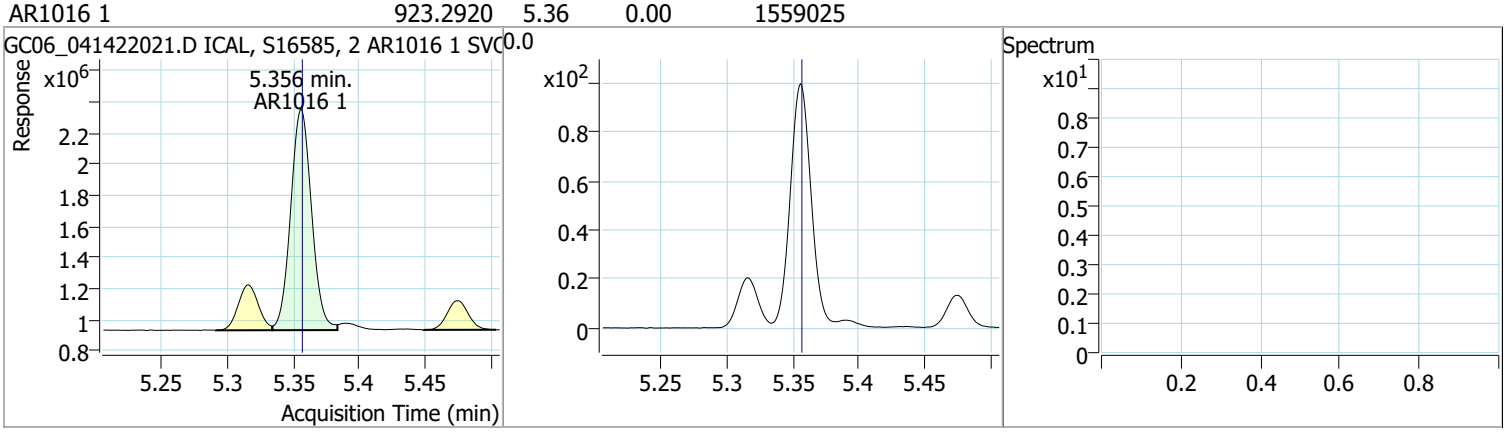
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	38.0432	5.01	0.00	3158804			



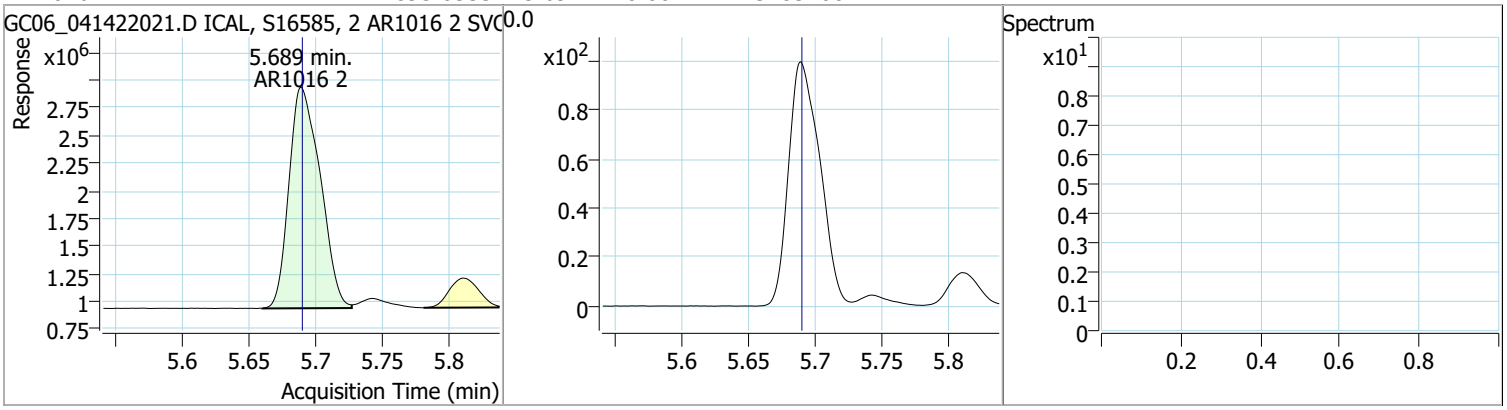
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	924.7358	5.35	0.00	5412266			



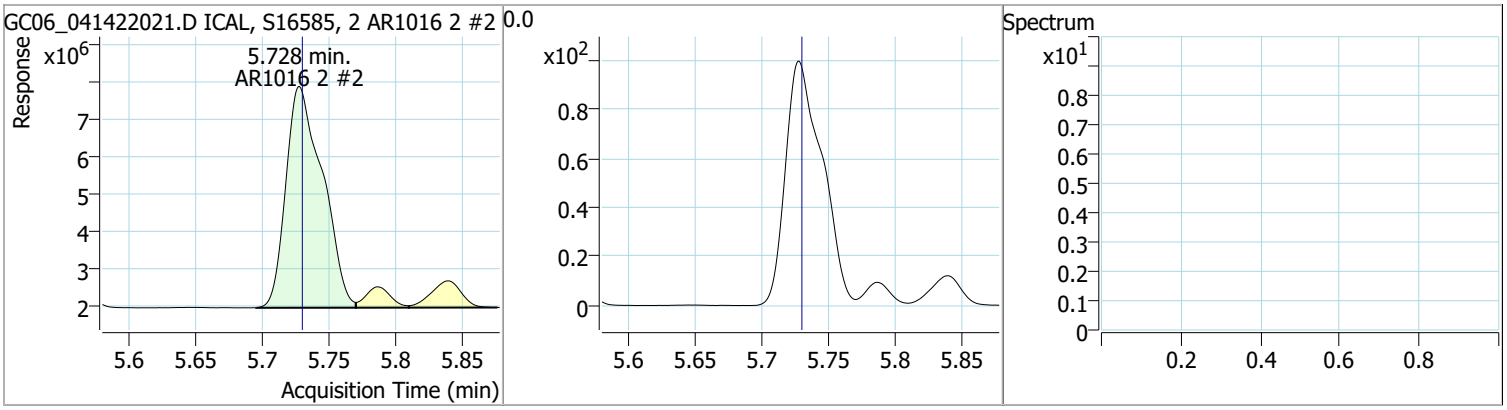
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	923.2920	5.36	0.00	1559025			



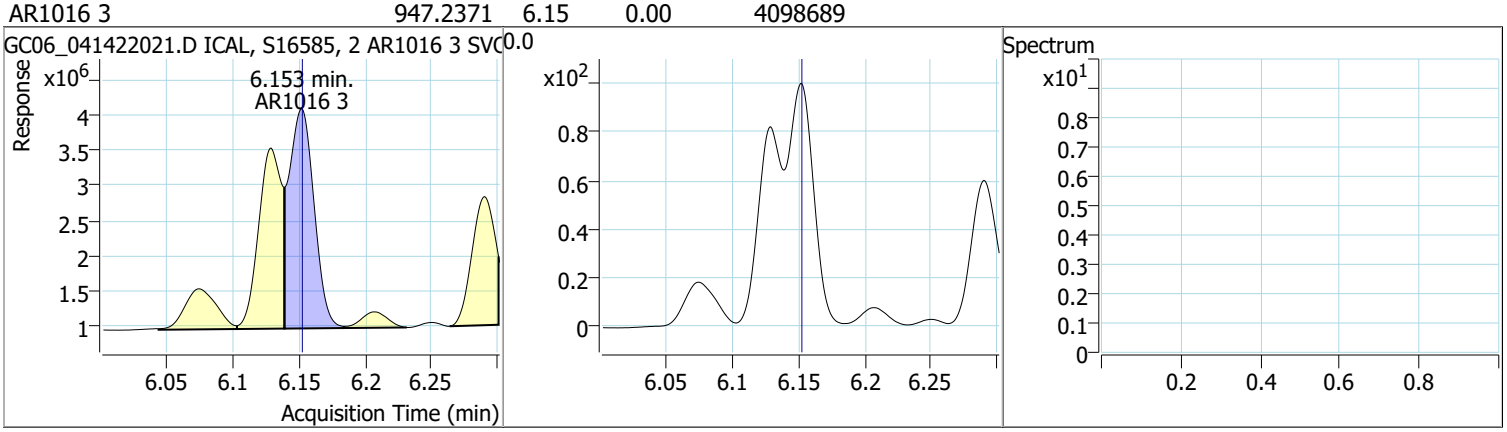
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	893.0553	5.69	0.00	3283408			



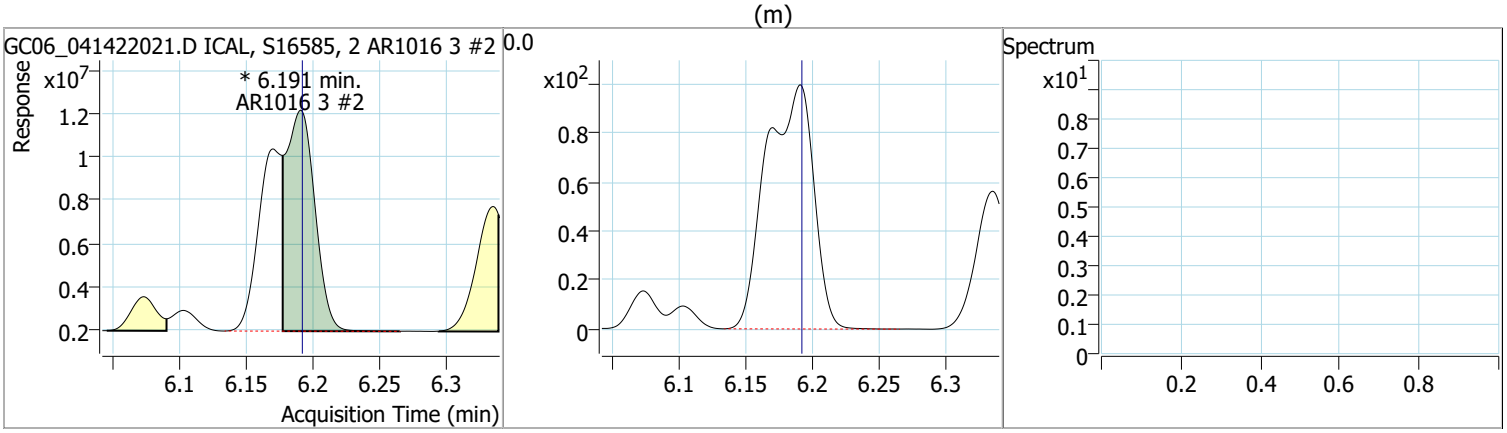
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	934.6403	5.73	0.00	11352100			



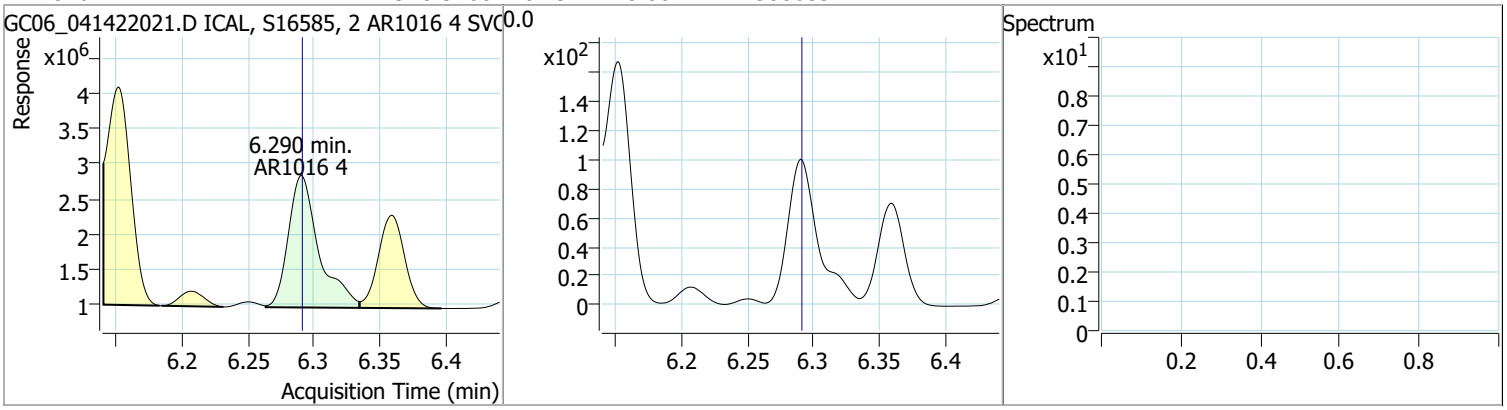
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	947.2371	6.15	0.00	4098689			



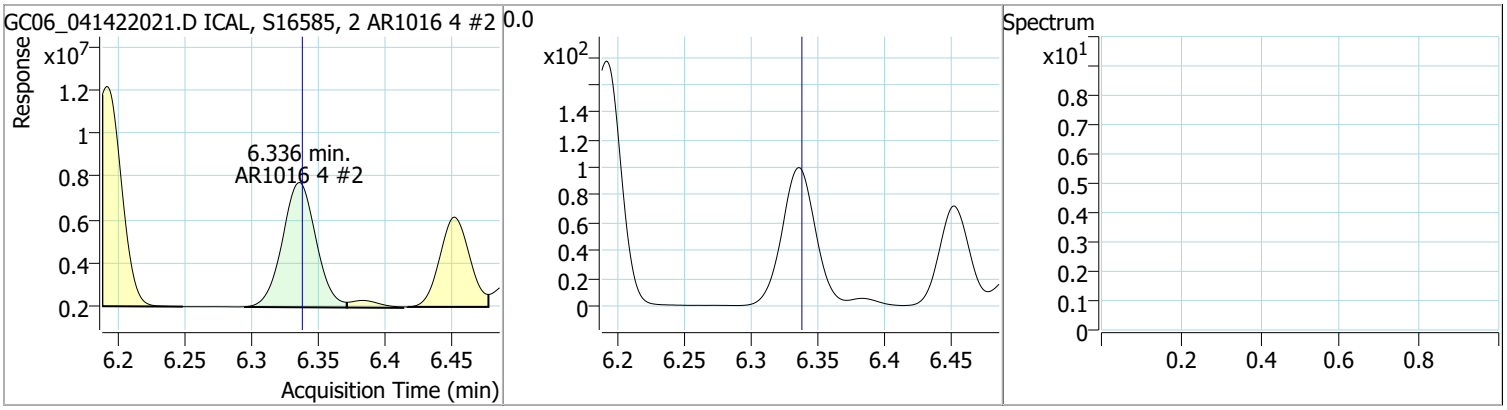
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	947.8618	6.19	0.00	15182937 (m)			



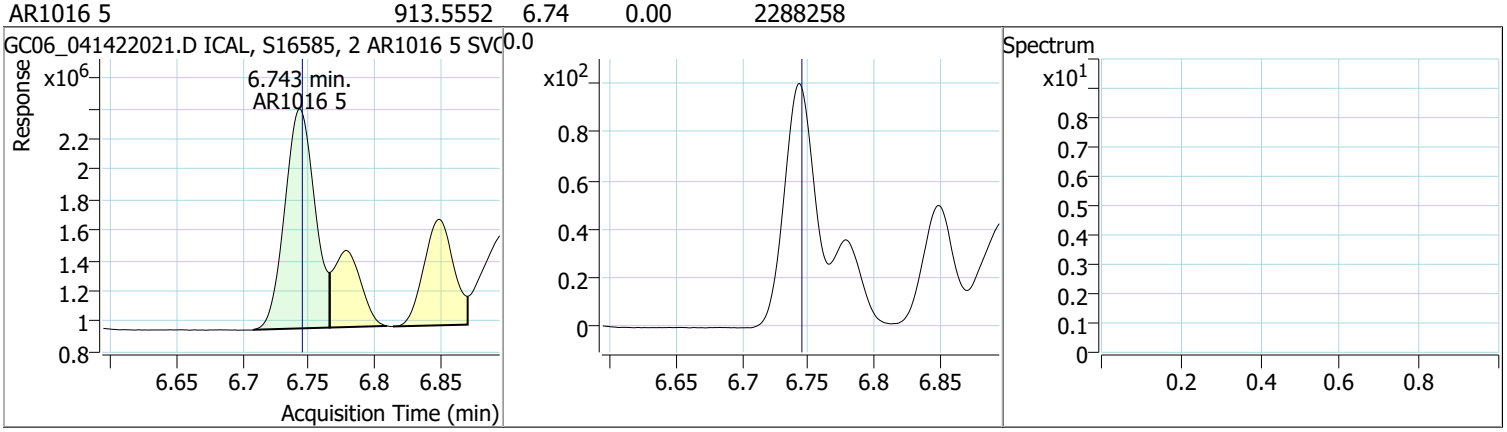
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	928.5168	6.29	0.00	3006591			



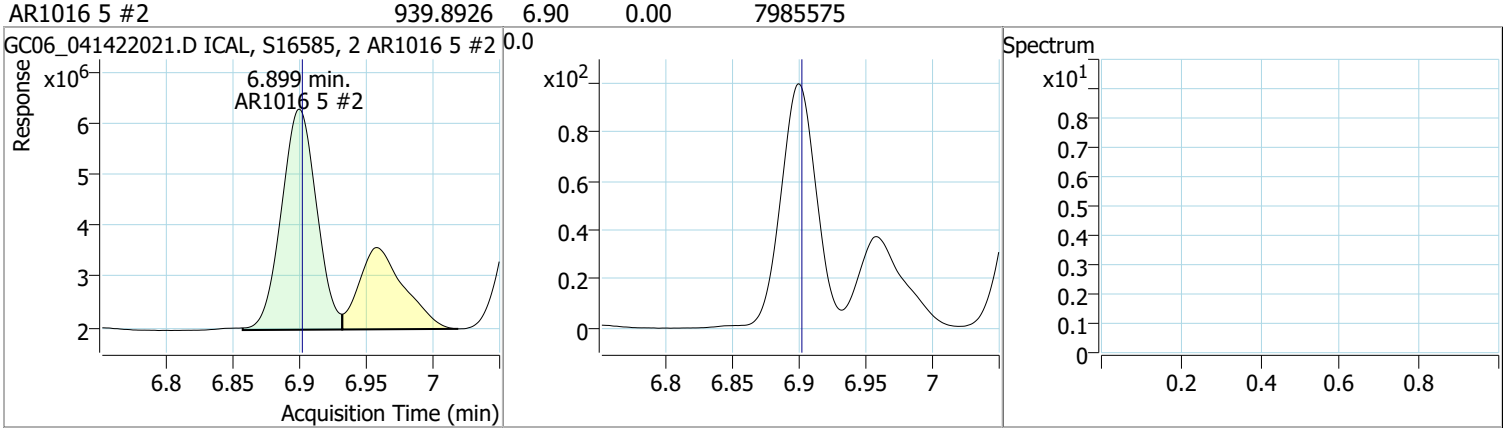
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	935.3441	6.34	0.00	10164592			



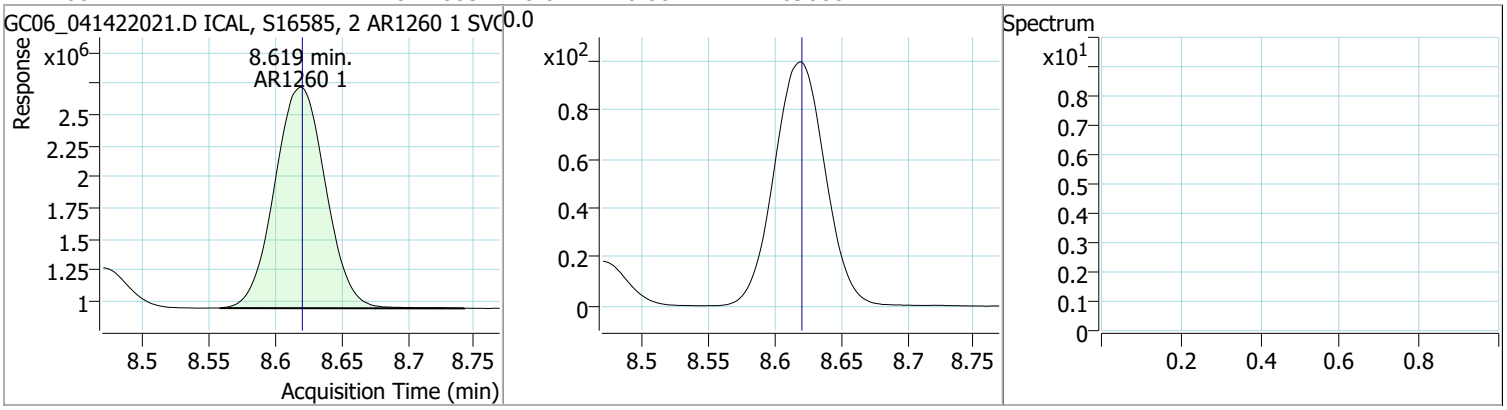
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	913.5552	6.74	0.00	2288258			



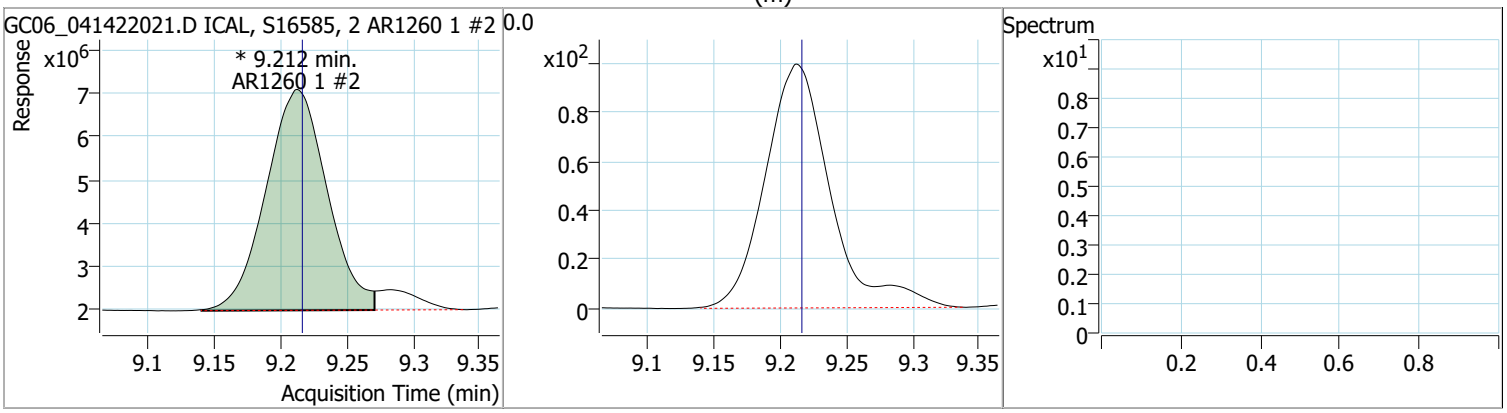
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	939.8926	6.90	0.00	7985575			



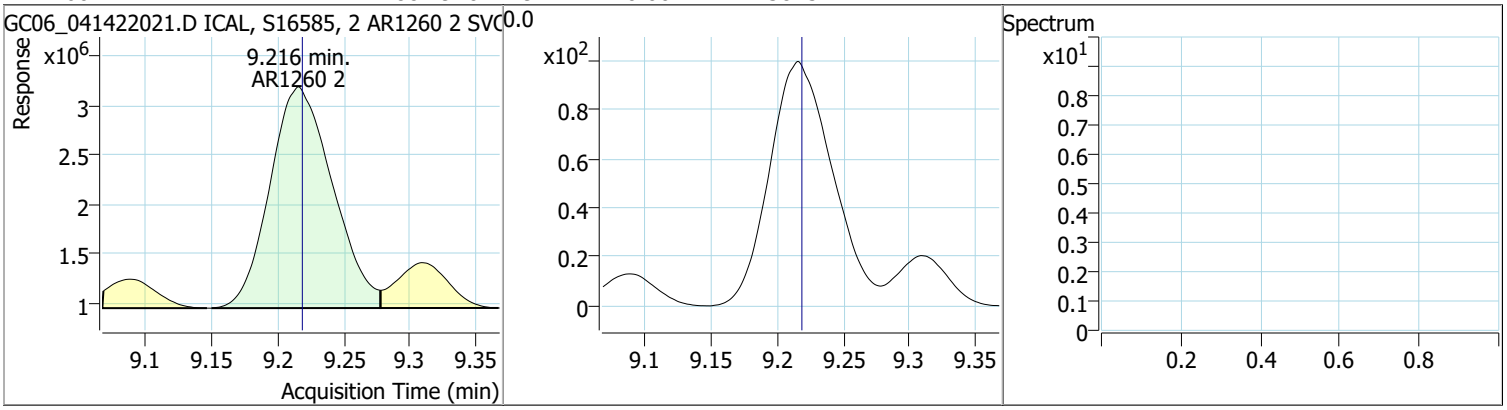
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	877.8831	8.62	0.00	4769088			



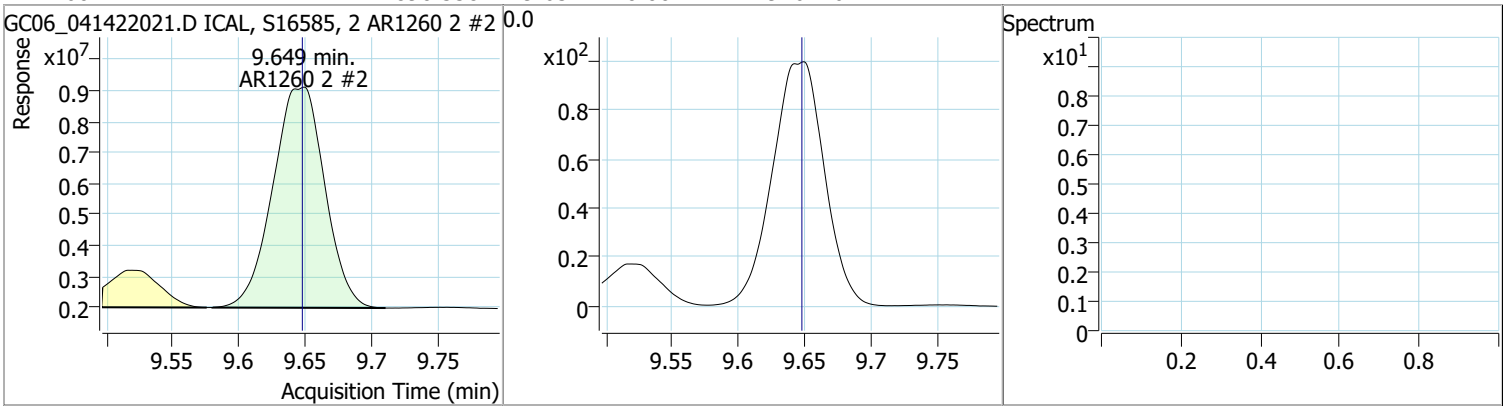
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	877.6771	9.21	0.00	16601847 (m)			



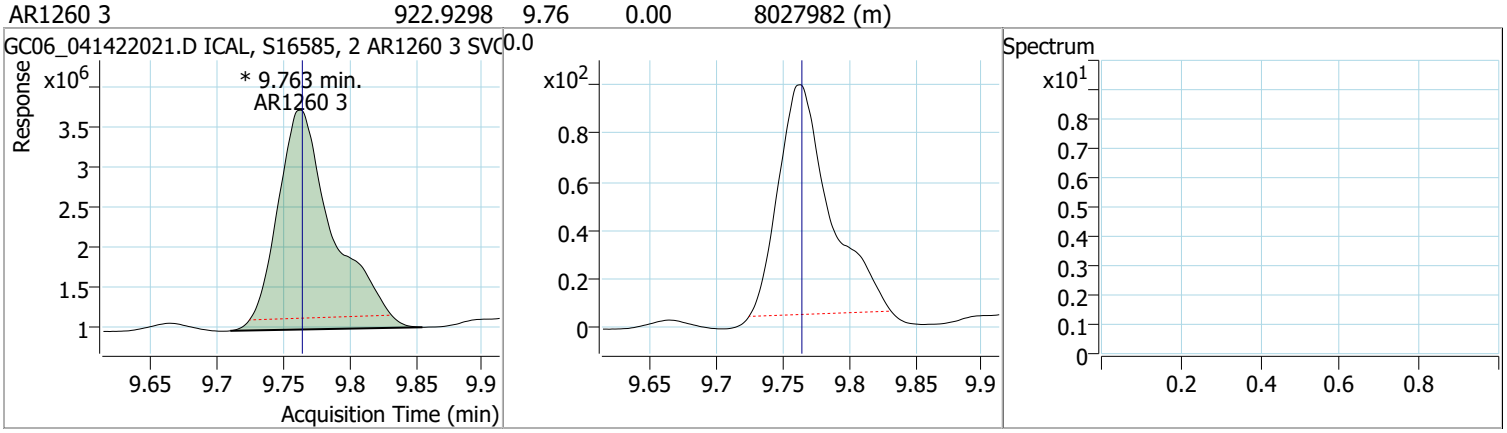
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	882.9107	9.22	0.00	7387577			



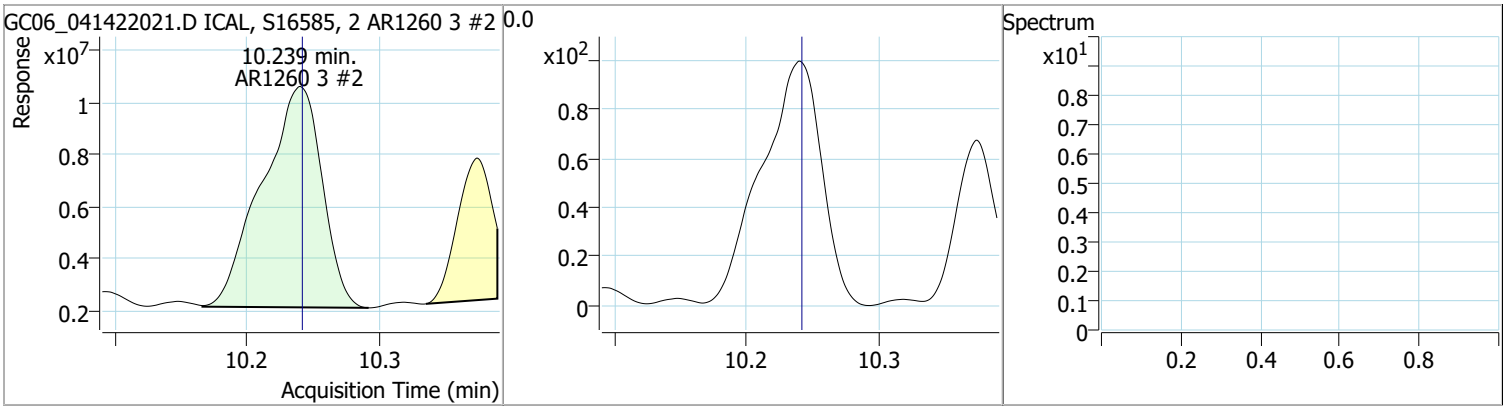
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	890.5584	9.65	0.00	19464462			



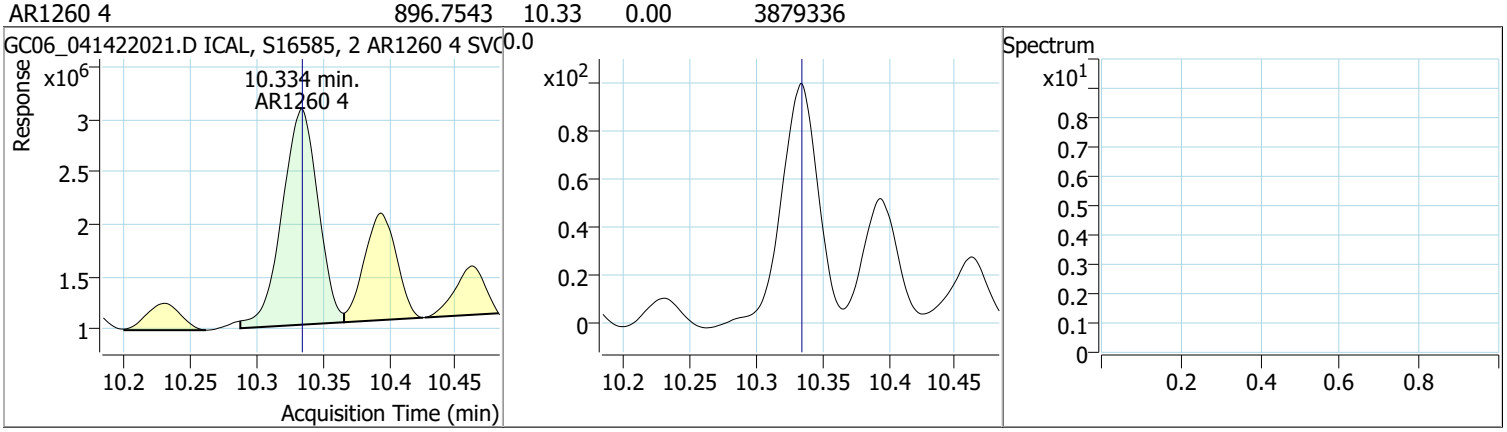
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	922.9298	9.76	0.00	8027982 (m)			



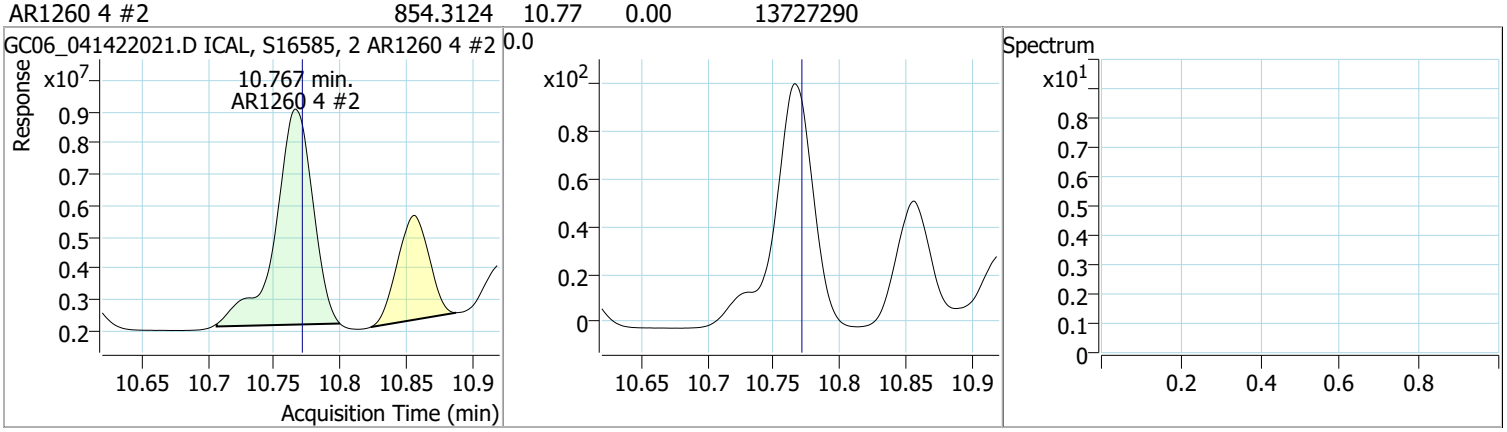
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	904.5572	10.24	0.00	26860418			



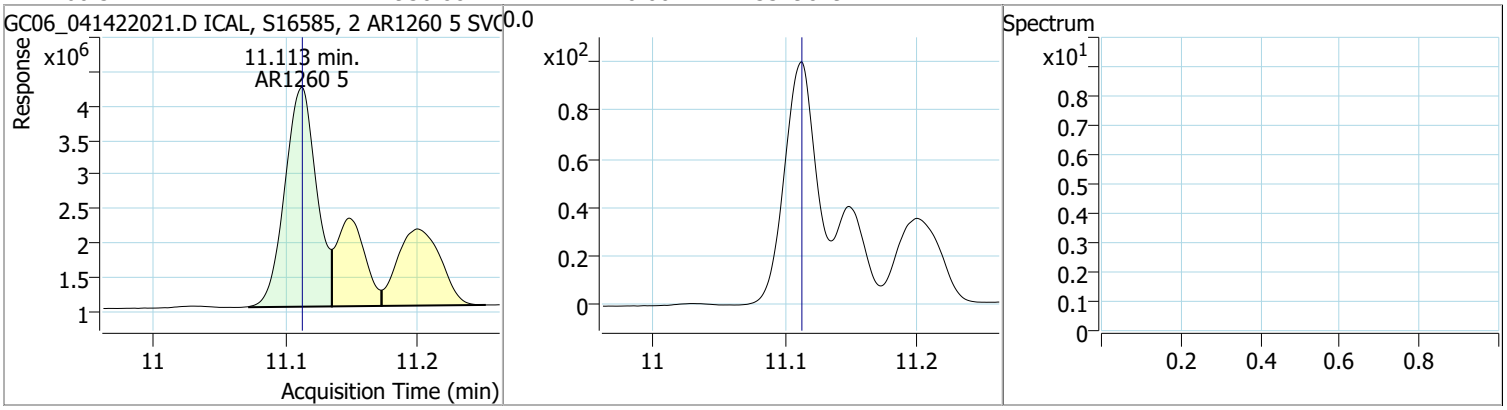
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	896.7543	10.33	0.00	3879336			



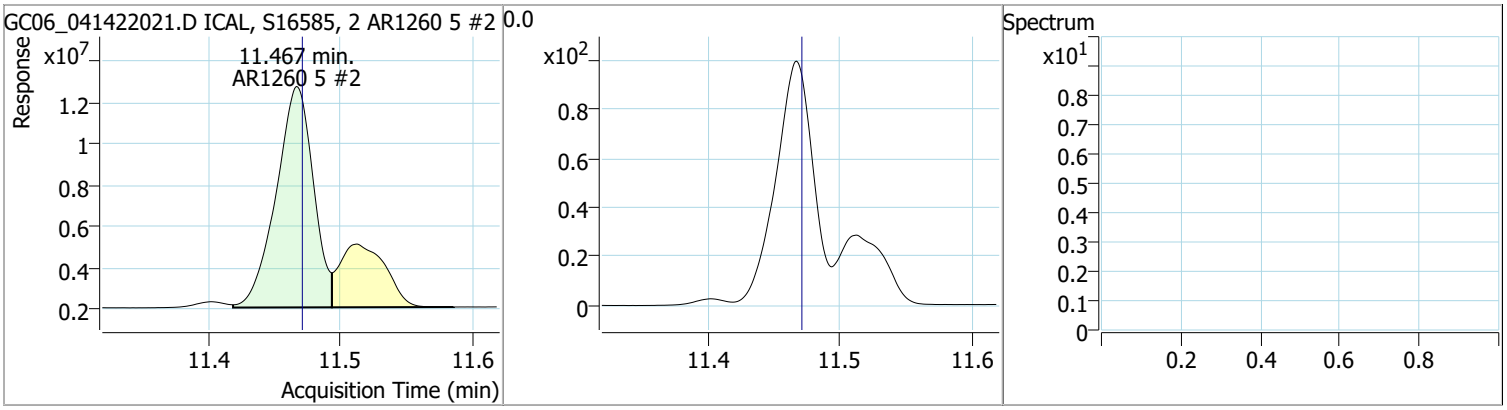
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	854.3124	10.77	0.00	13727290			



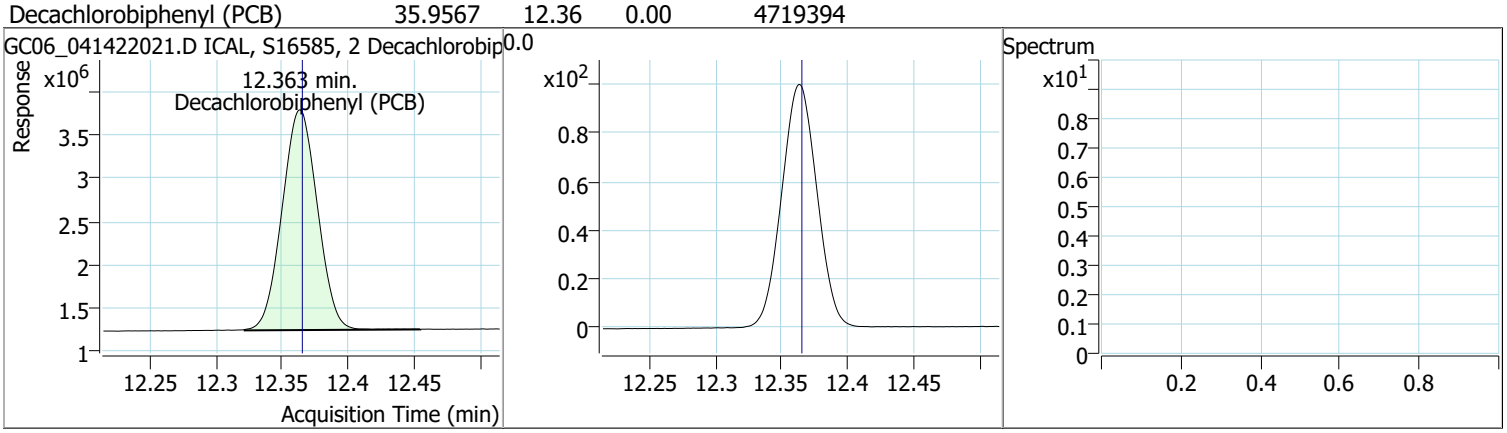
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	930.8812	11.11	0.00	5329819			



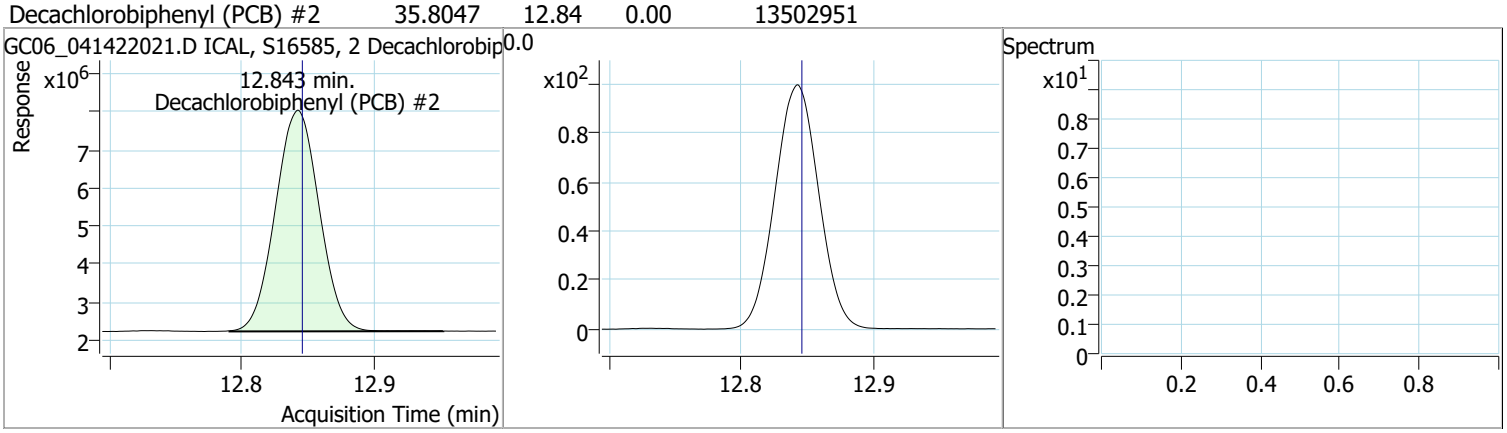
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	883.4334	11.47	0.00	20928472			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	35.9567	12.36	0.00	4719394			

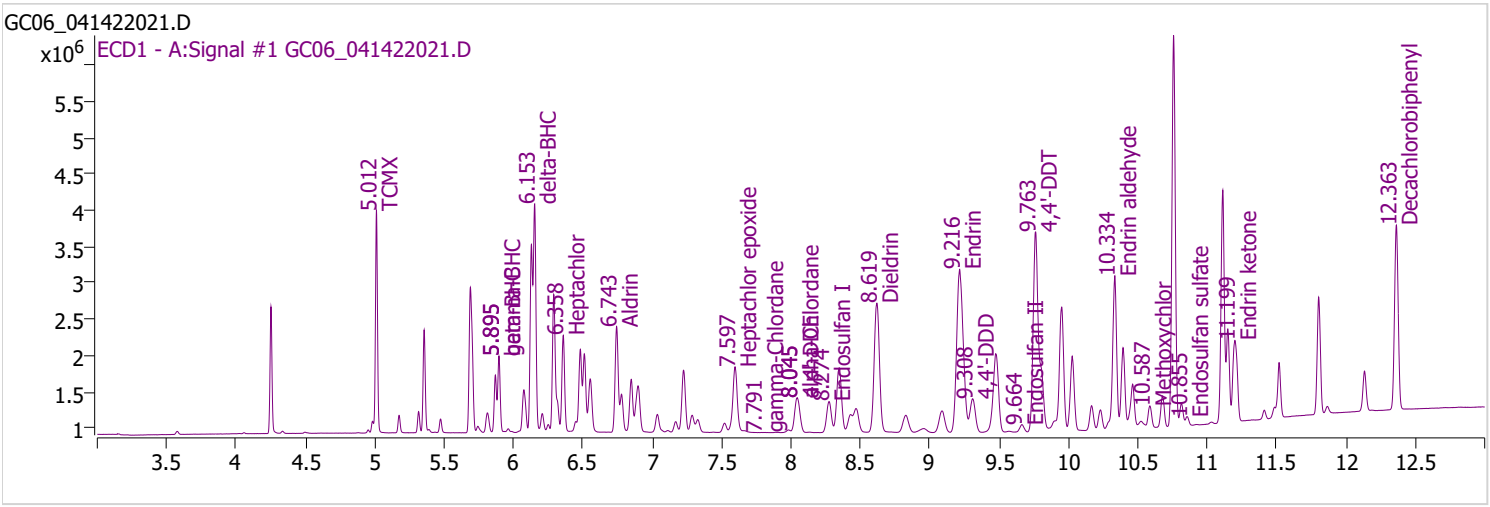


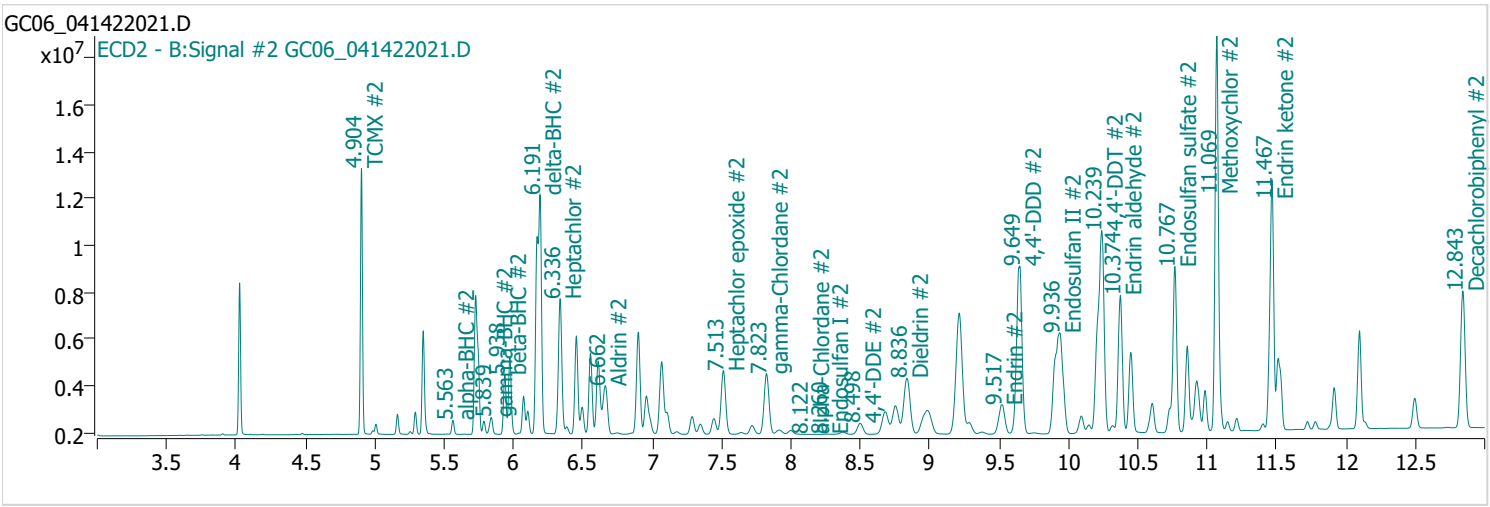
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	35.8047	12.84	0.00	13502951			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422021.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:26:46 PM
Sample Name	ICAL, S16585, 2	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 117	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 8:41:01 PM



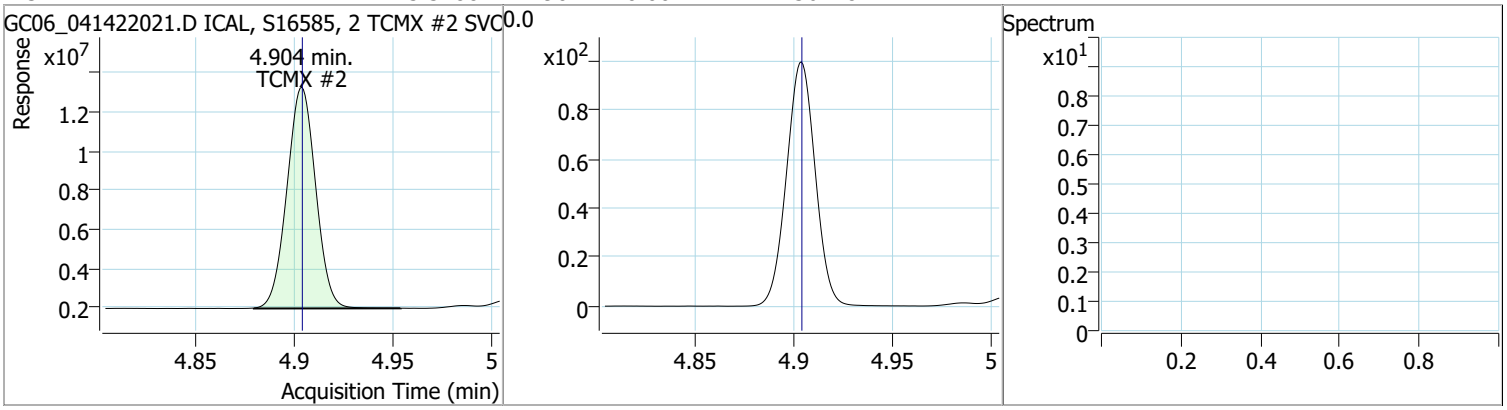


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.252	4.026	1705220	6237320	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.012	4.904	3158750	11436748	43.261	45.379	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	216.31% *	226.89% *	
S Decachlorobiphenyl	12.363	12.843	4708900	13481222	42.652	40.727	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	213.26% *	203.63% *	
Target Compounds							
T alpha-BHC	----	5.563 f	0	677720	N.D.	3.259 #	ng/ml
T gamma-BHC	5.895	5.839	1258227	1016202	19.400	4.801 #	ng/ml
T beta-BHC	5.895	5.938	1248074	3295961	36.476	25.558 #	ng/ml
T delta-BHC	6.153	6.191	4030553	25296848	43.626	54.949 #	ng/ml
T Heptachlor	6.358	6.336	1644144	10093516	23.861	33.141 #	ng/ml
T Aldrin	6.743	6.662 f	2292942	4639458	30.597	20.409 #	ng/ml
T Heptachlor epoxide	7.597	7.513	1939346	5680328	27.101	23.252	ng/ml
T gamma-Chlordane	7.791	7.823	1248	6263878	0.024	23.585 #	ng/ml
T alpha-Chlordane	8.045	8.122	784249	670	13.887	0.004 #	ng/ml

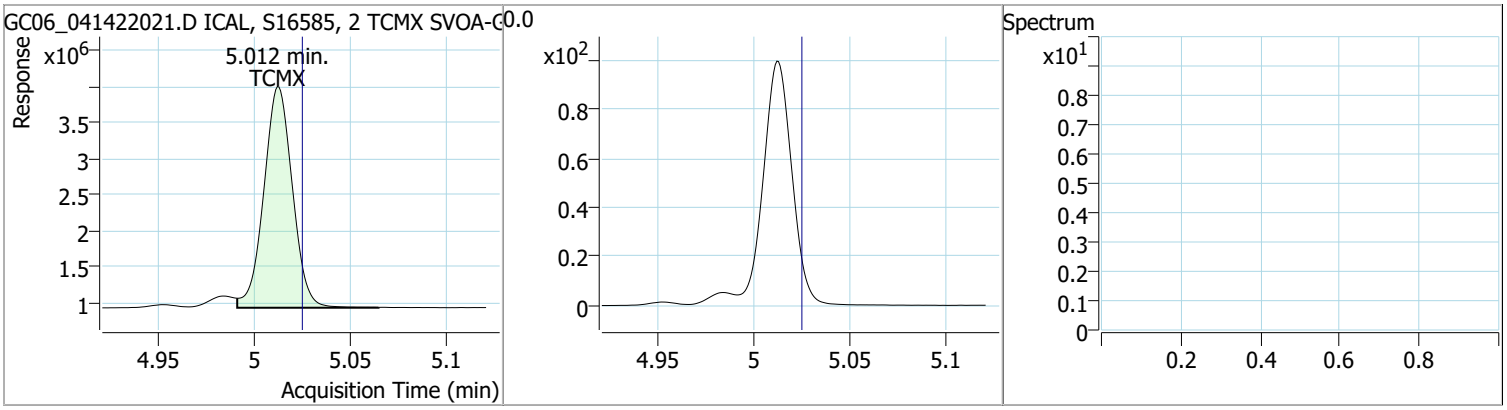
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.274	8.260	987150	29273	18.316	0.170 #	ng/ml
T 4,4'-DDE	8.045	8.498 f	1192619	1323530	21.697	7.827 #	ng/ml
T Dieldrin	8.619	8.836	4757019	6645238	62.667	31.893 #	ng/ml
T Endrin	9.216	9.517	6874073	3668606	83.813	20.156 #	ng/ml
T 4,4'-DDD	9.308	9.649 f	721711	17662285	18.058	90.039 #	ng/ml
T Endosulfan II	9.664	9.936 f	211278	18596498	4.222	70.312 #	ng/ml
T 4,4'-DDT	9.763	10.239	7825709	26703508	119.179	87.819 #	ng/ml
T Endrin aldehyde	10.334	10.374	3615488	11626546	68.488	61.806	ng/ml
T Endosulfan sulfate	10.855	10.767	106741	14667492	2.409	66.646 #	ng/ml
T Methoxychlor	10.587	11.069 f	491010	29283753	18.261	240.145 #	ng/ml
T Endrin ketone	11.199	11.467 f	1997888	19548666	31.690	69.601 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

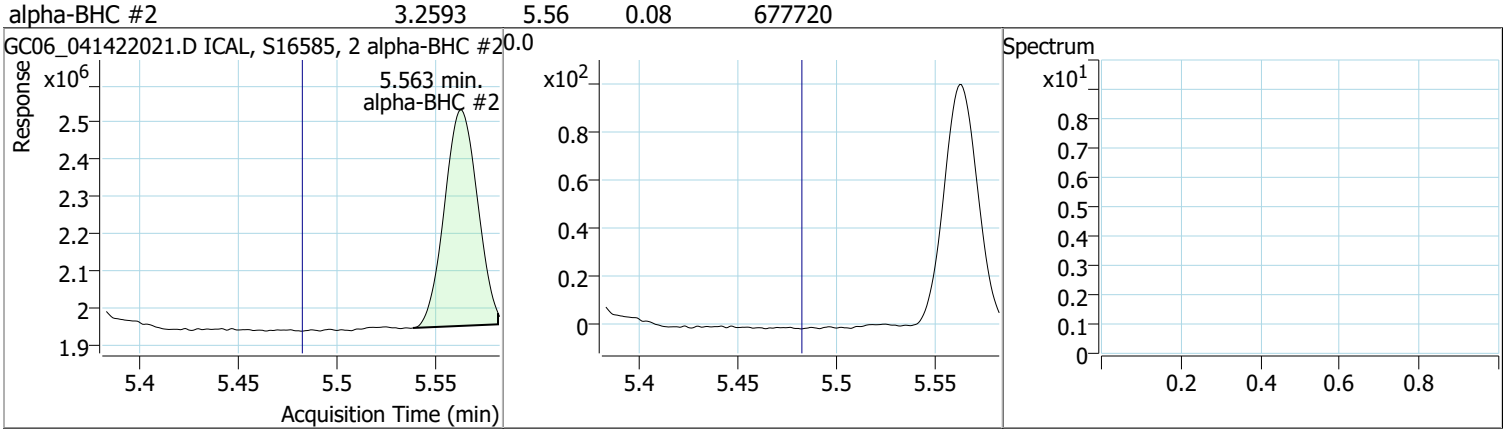
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	45.3788	4.90	0.00	11436748			



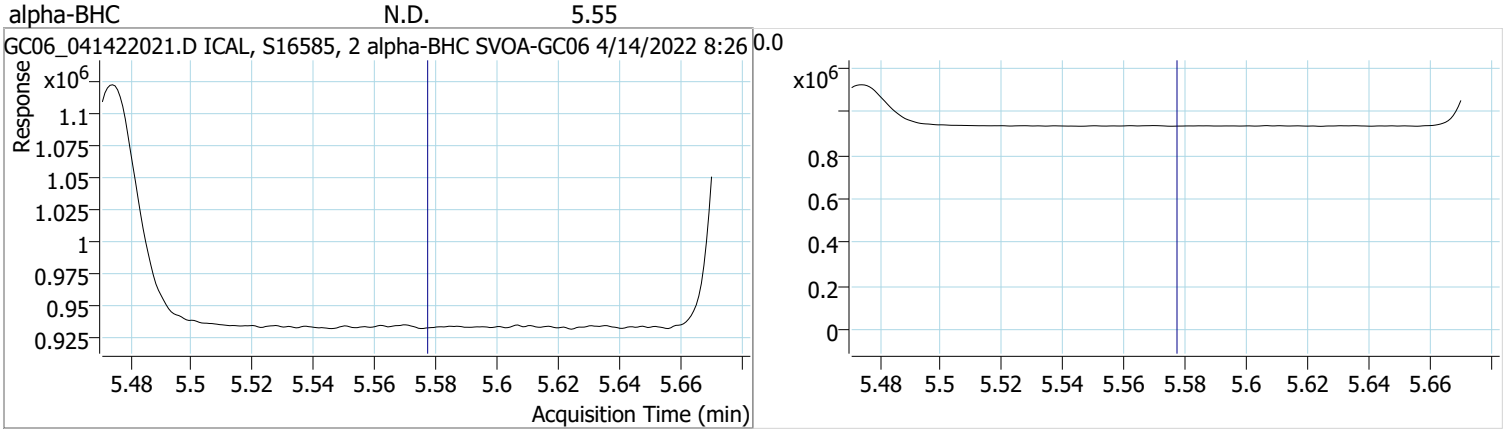
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	43.2613	5.01	0.01	3158750			



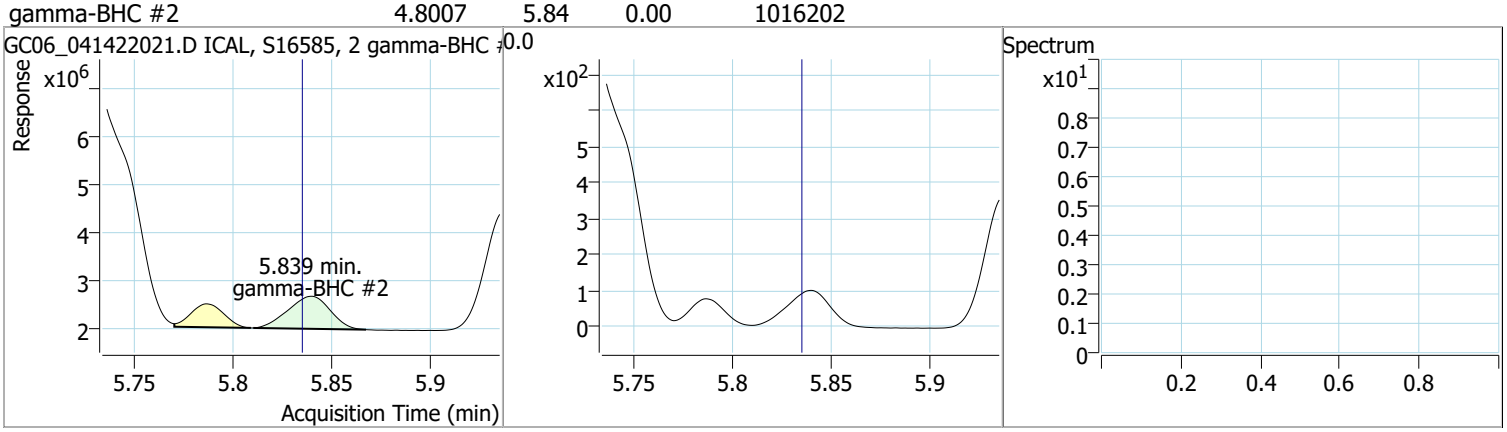
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	3.2593	5.56	0.08	677720			



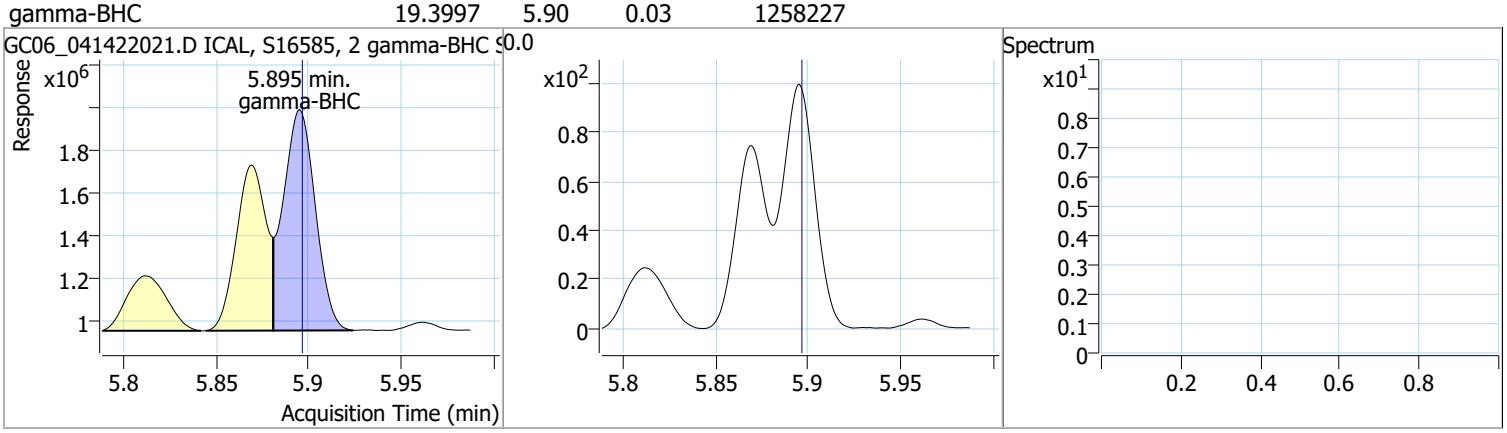
Compound	Conc.		Exp Ratio
alpha-BHC	N.D.	5.55	



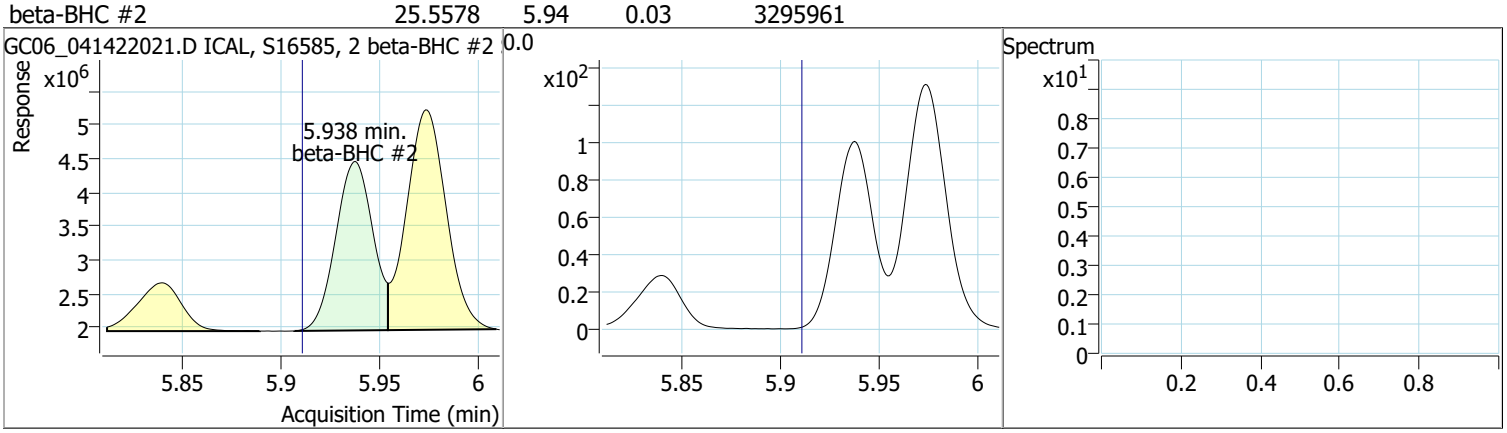
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	4.8007	5.84	0.00	1016202			



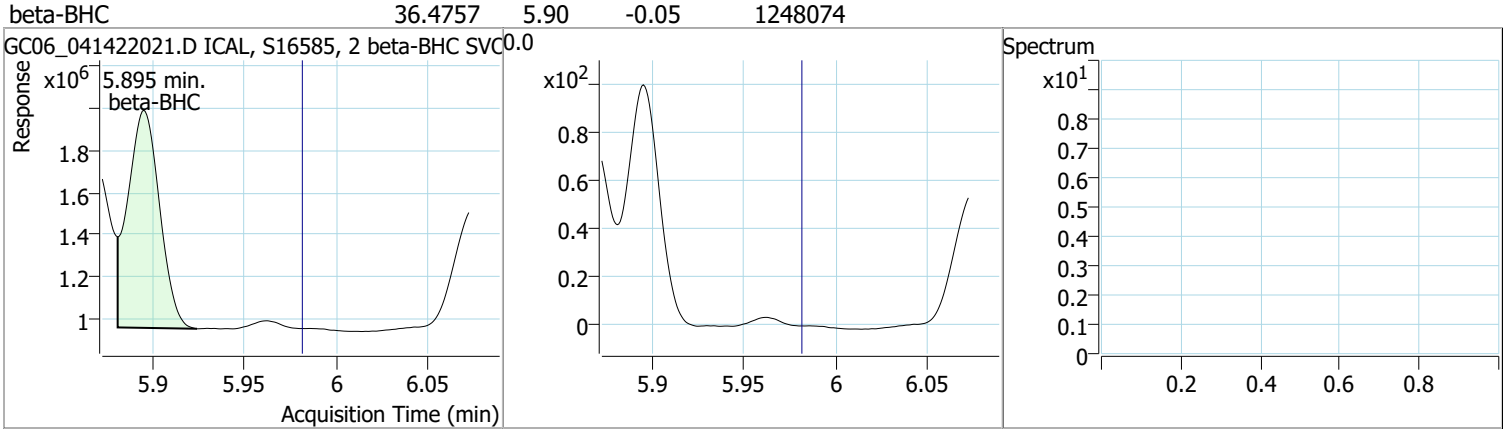
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	19.3997	5.90	0.03	1258227			



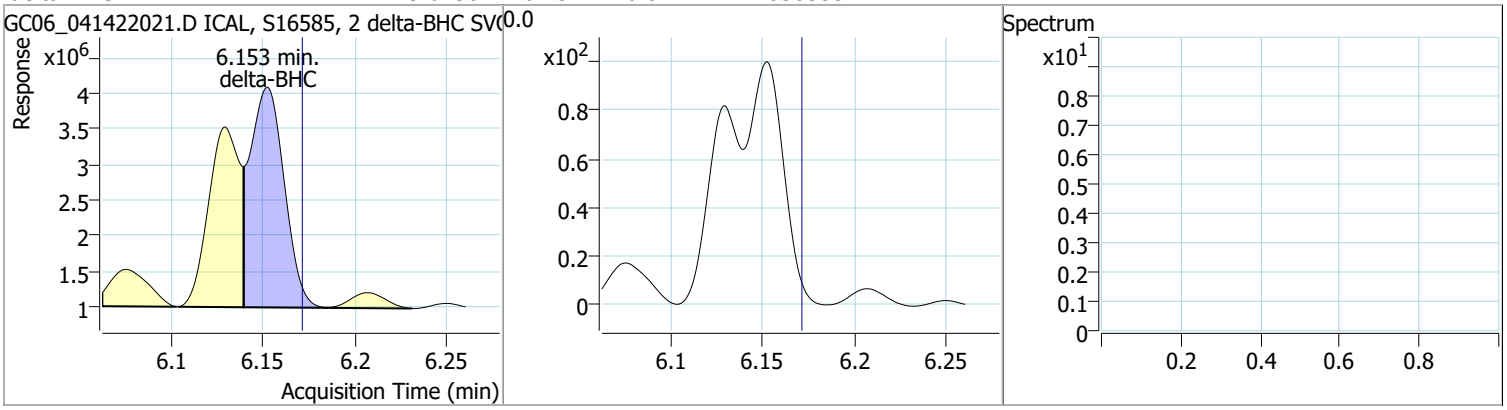
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	25.5578	5.94	0.03	3295961			



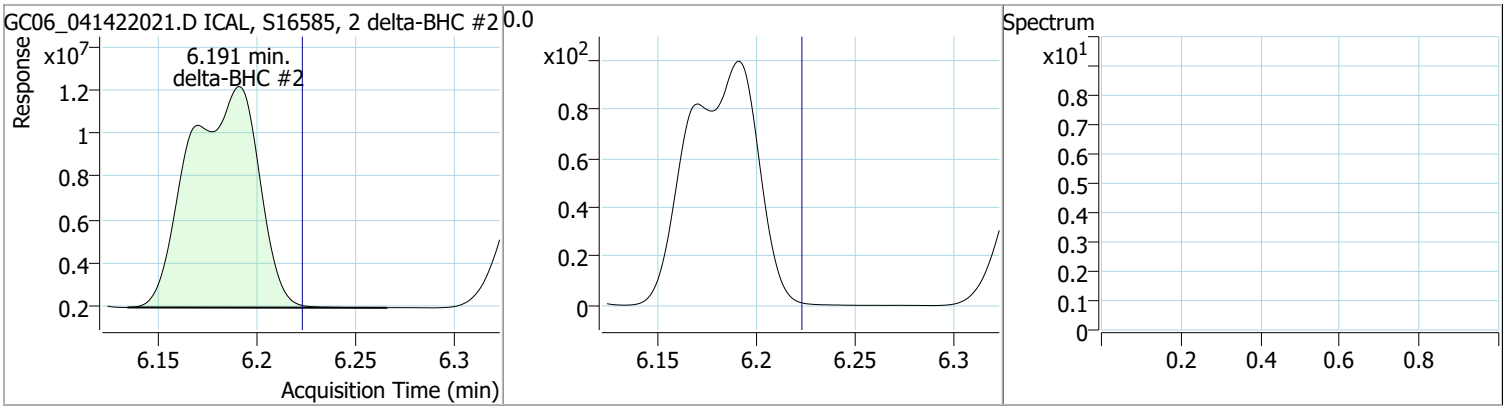
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	36.4757	5.90	-0.05	1248074			



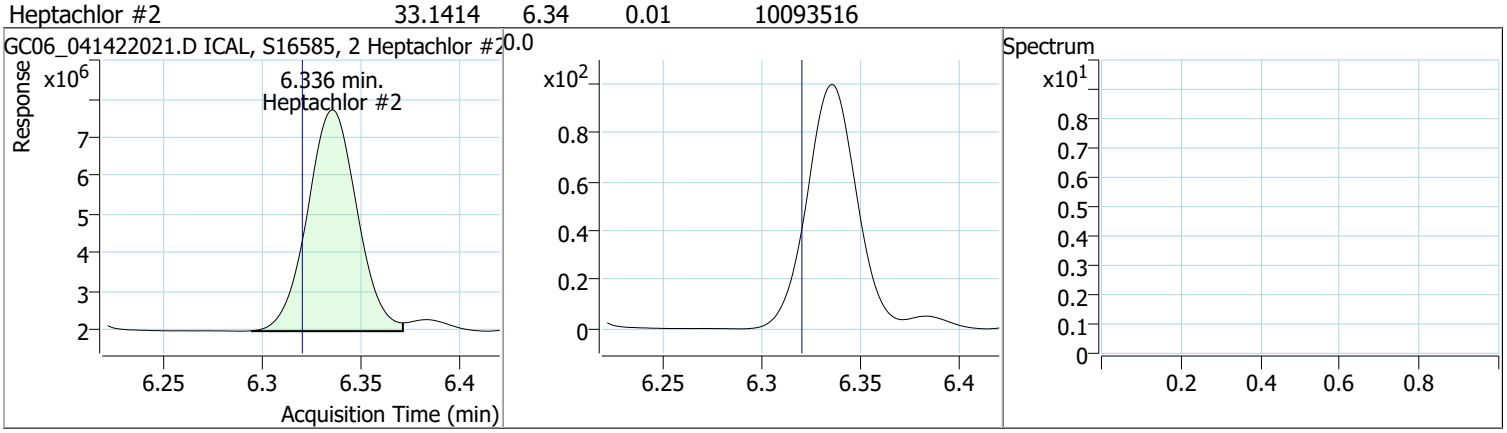
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	43.6258	6.15	0.01	4030553			



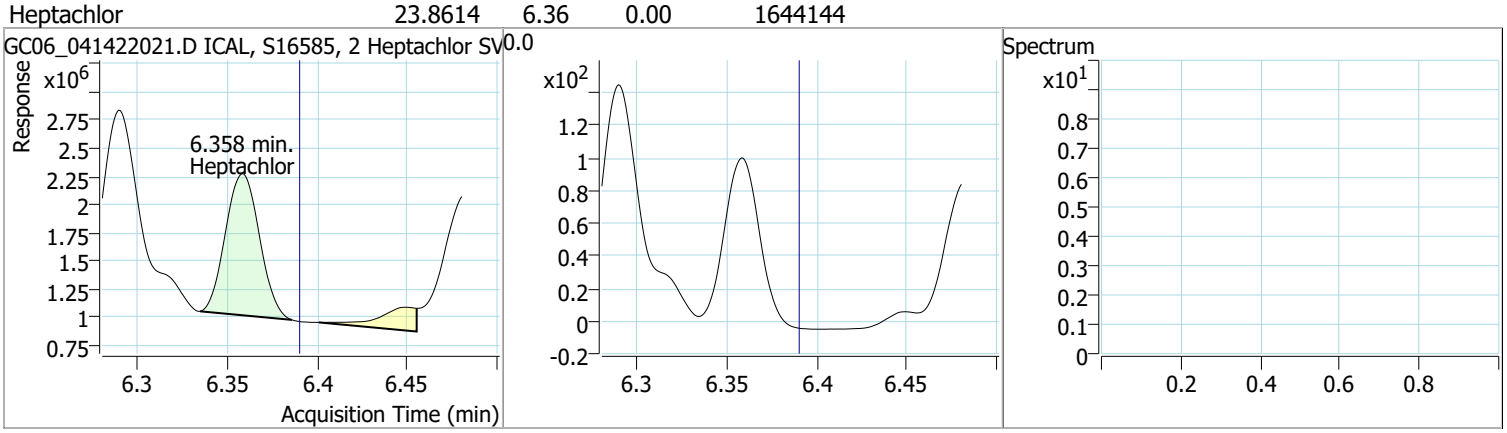
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	54.9494	6.19	-0.03	25296848			



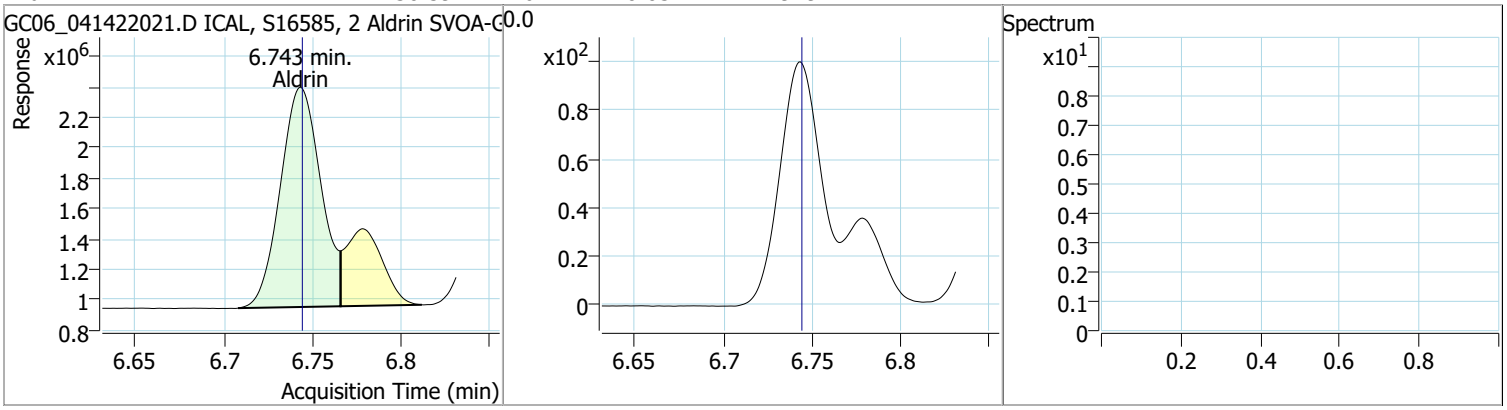
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	33.1414	6.34	0.01	10093516			



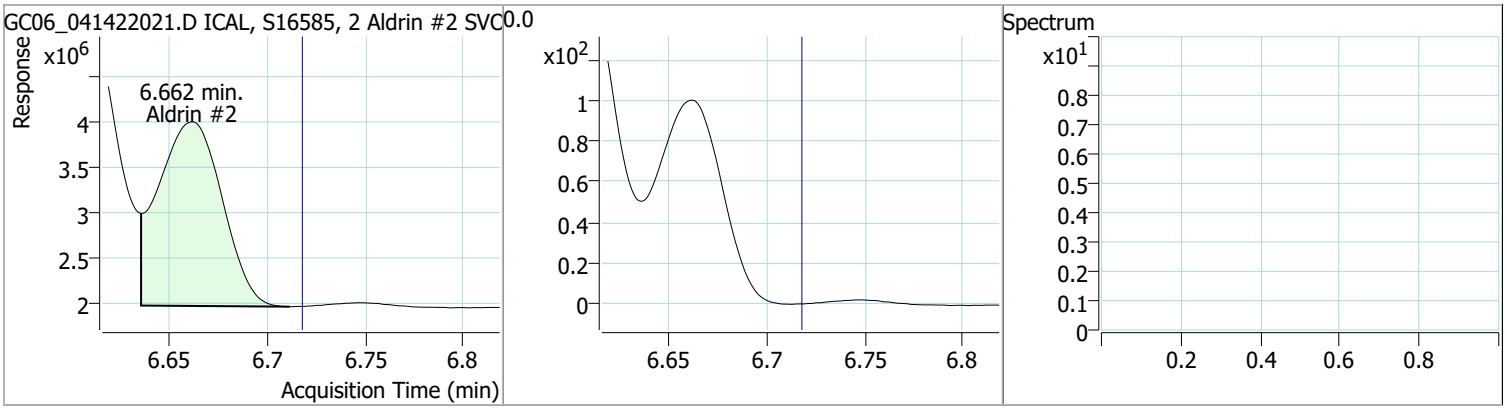
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	23.8614	6.36	0.00	1644144			



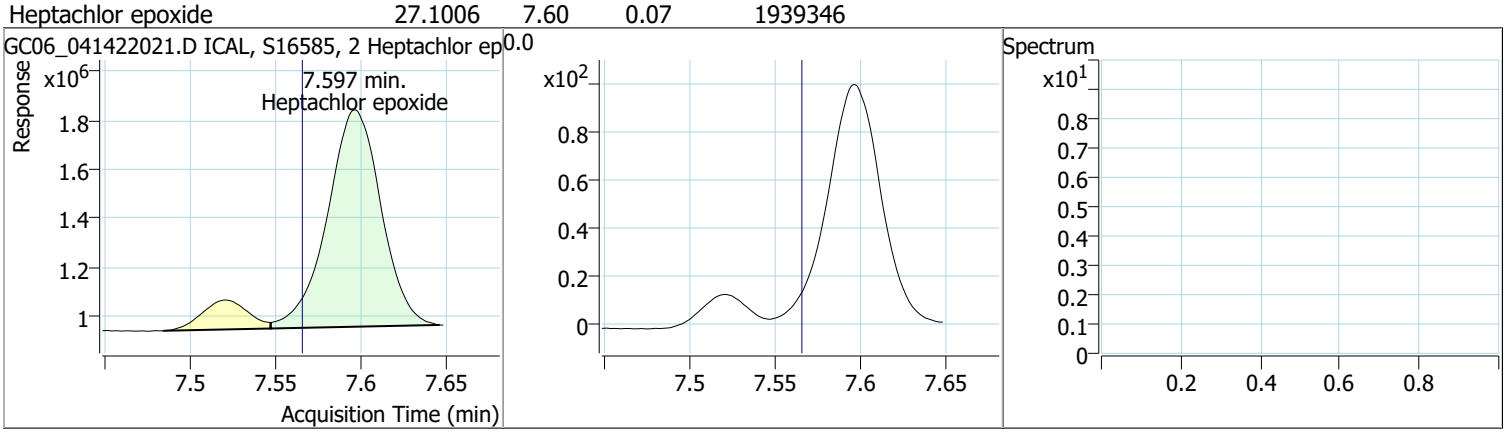
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	30.5971	6.74	0.03	2292942			



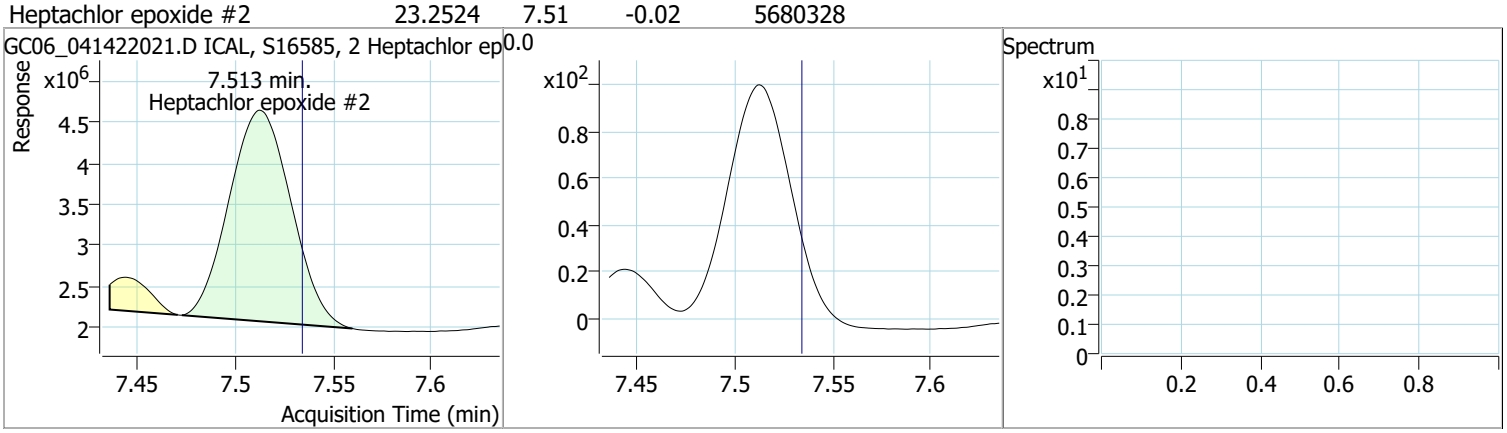
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	20.4087	6.66	-0.06	4639458			



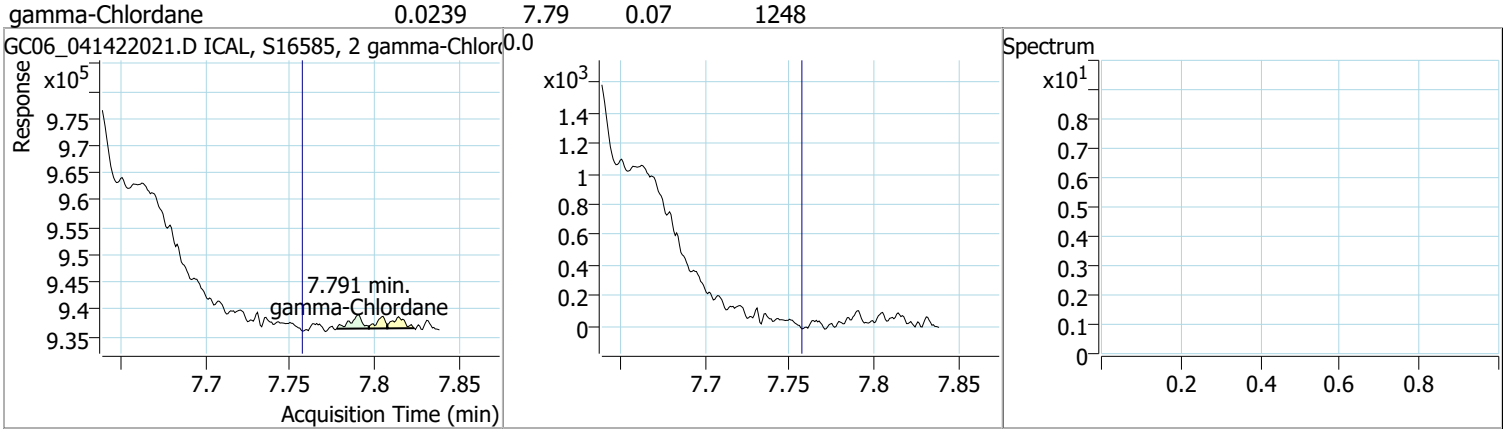
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	27.1006	7.60	0.07	1939346			



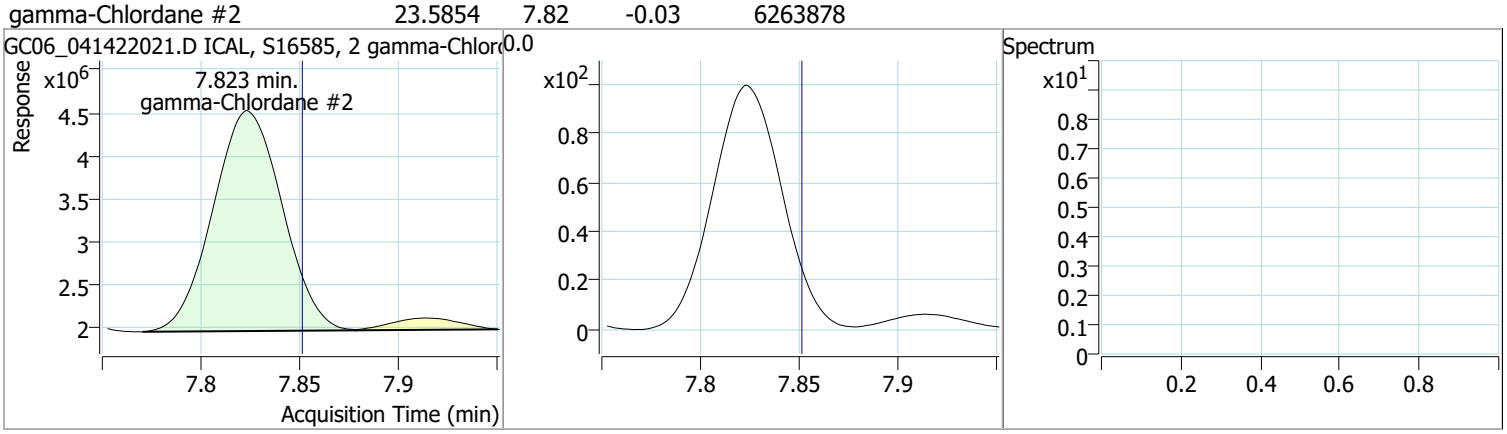
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	23.2524	7.51	-0.02	5680328			



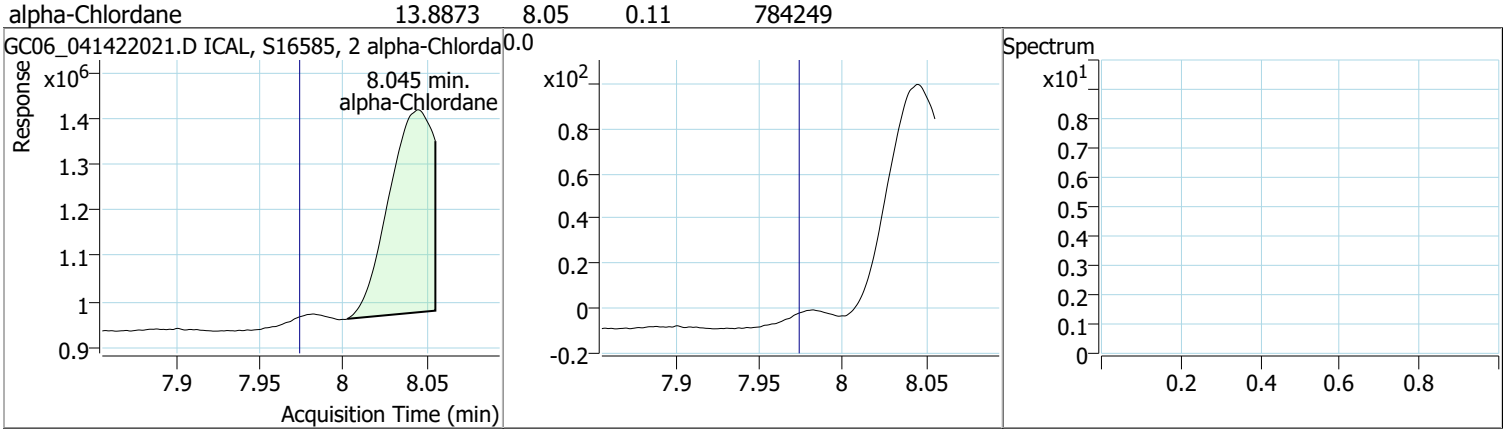
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0239	7.79	0.07	1248			



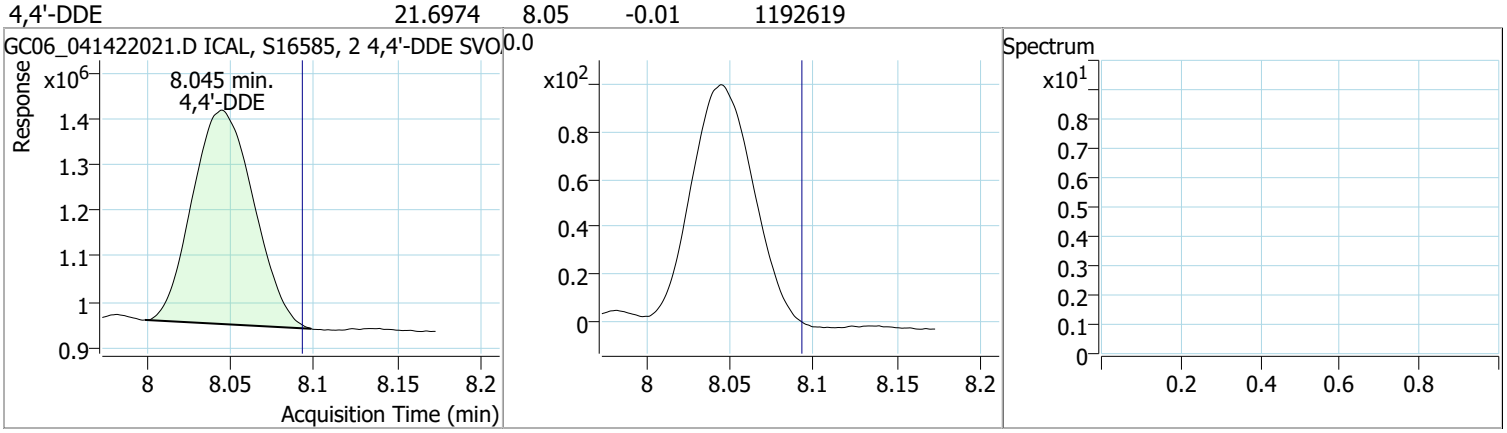
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	23.5854	7.82	-0.03	6263878			



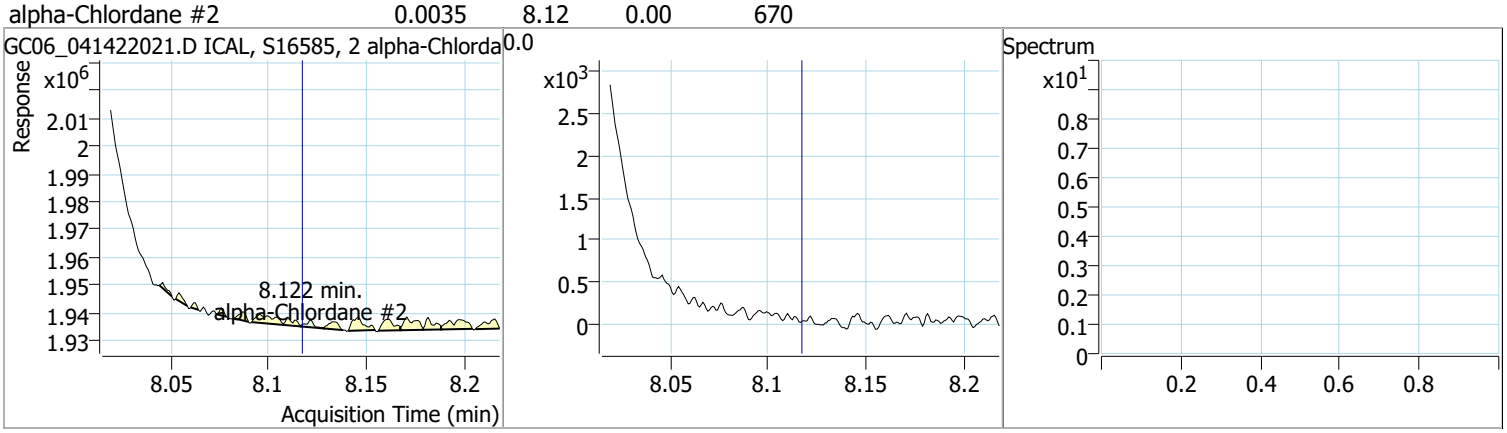
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	13.8873	8.05	0.11	784249			



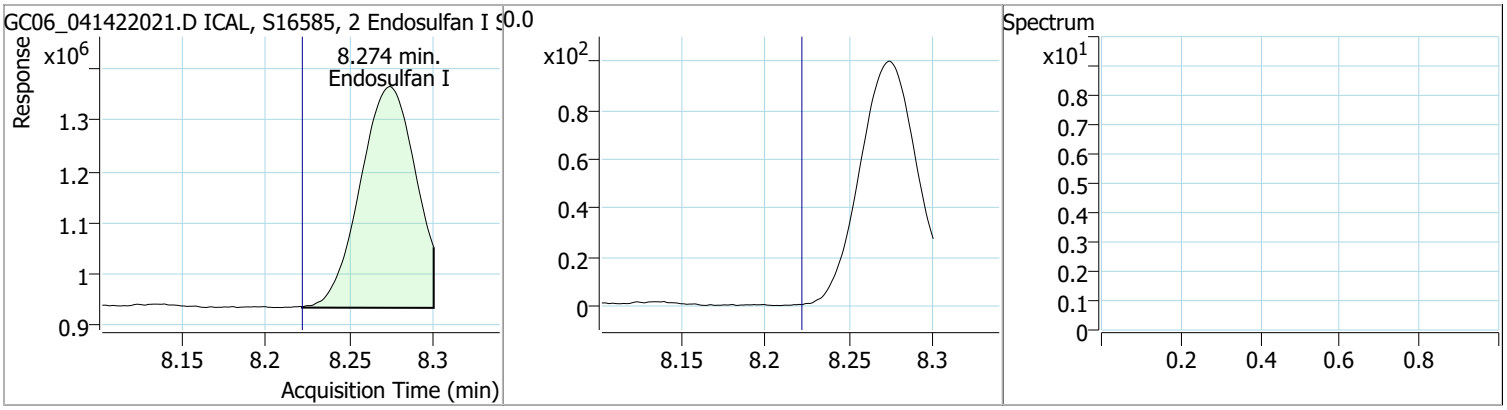
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	21.6974	8.05	-0.01	1192619			



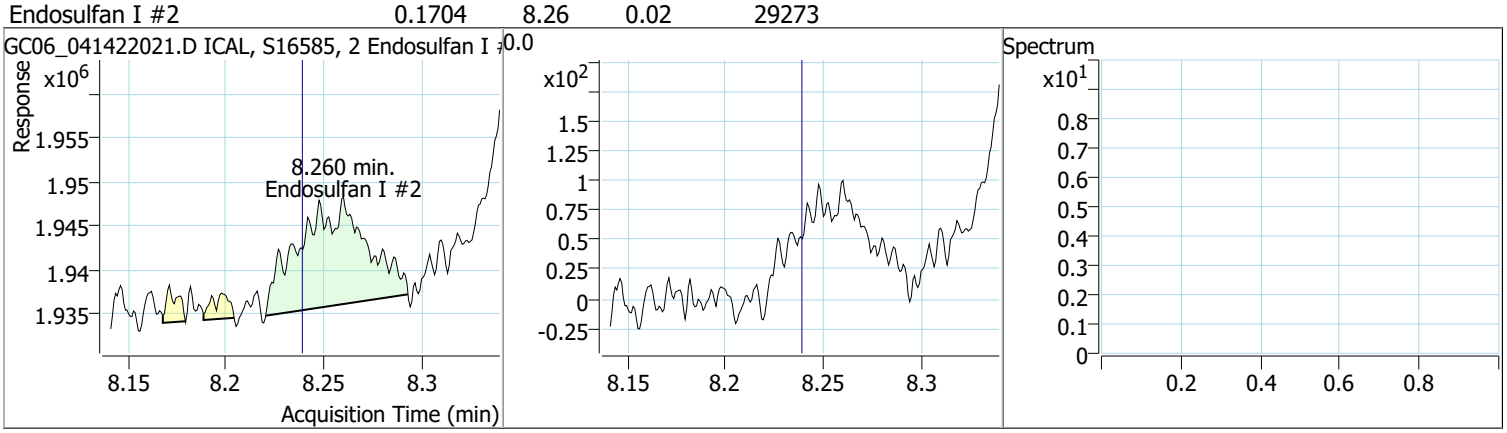
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0035	8.12	0.00	670			



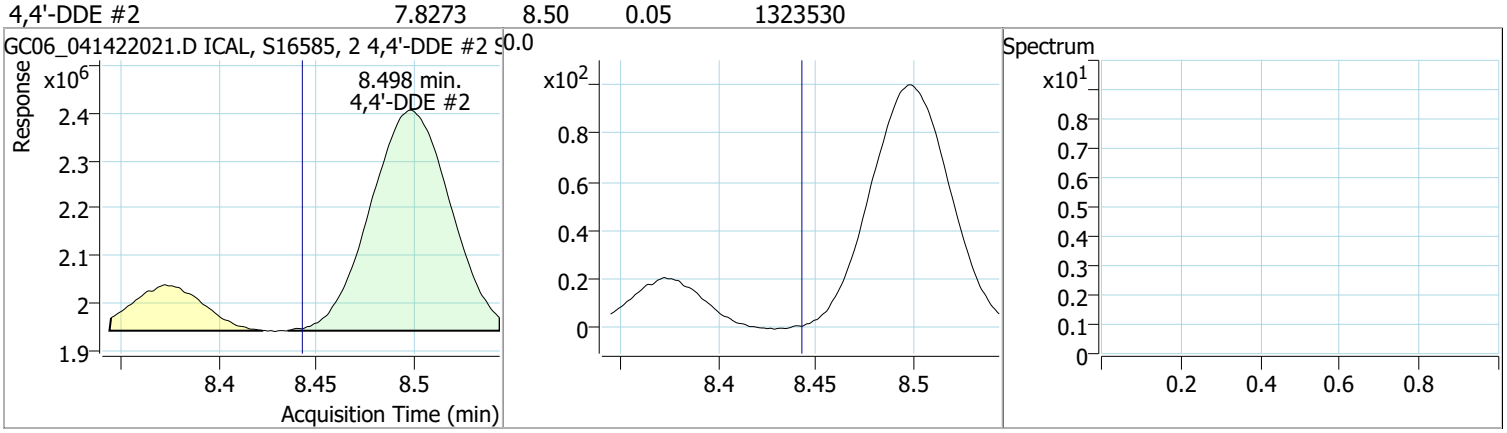
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	18.3161	8.27	0.10	987150			



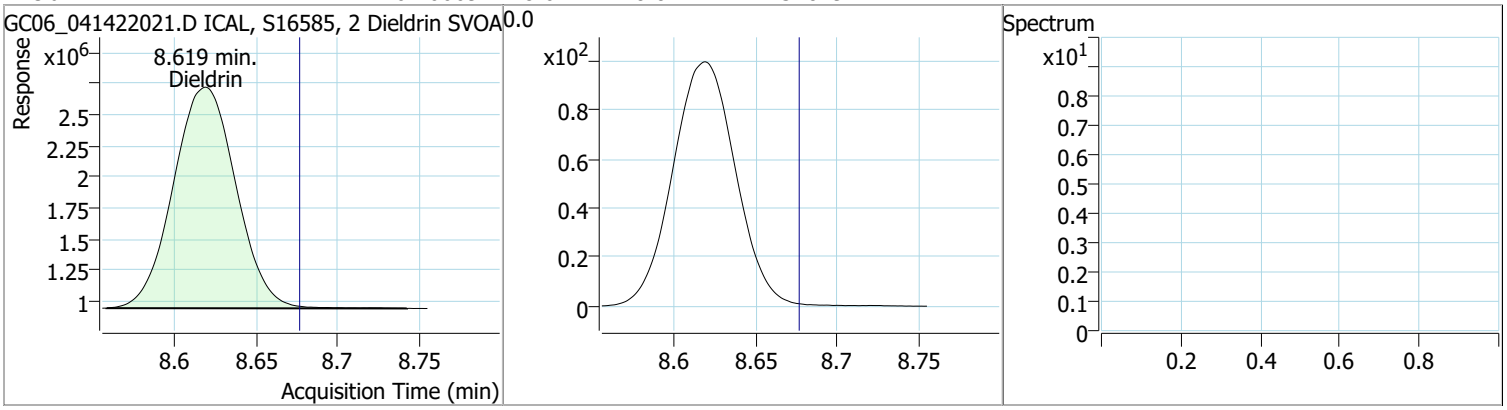
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.1704	8.26	0.02	29273			



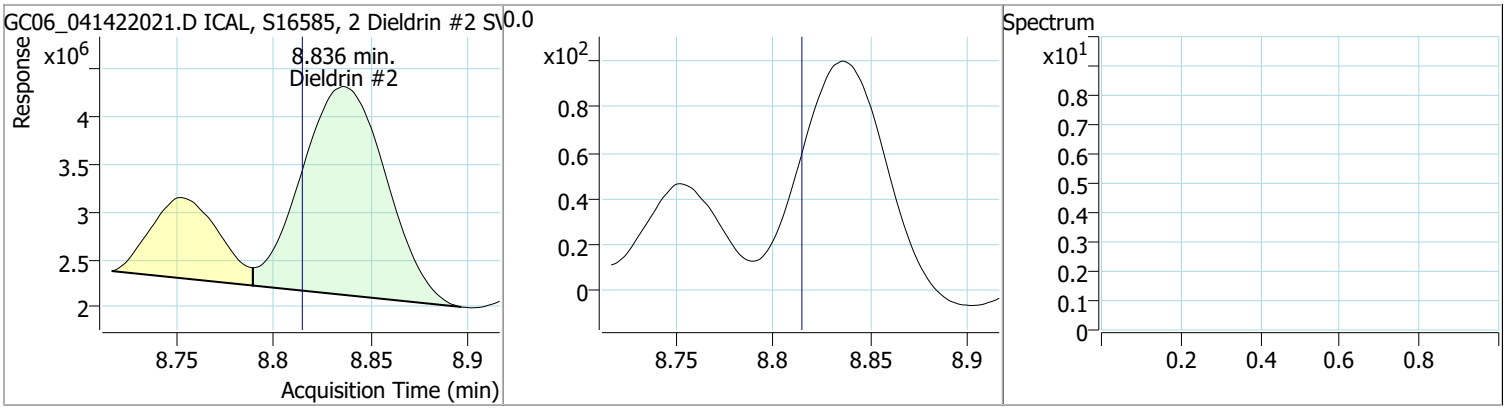
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	7.8273	8.50	0.05	1323530			



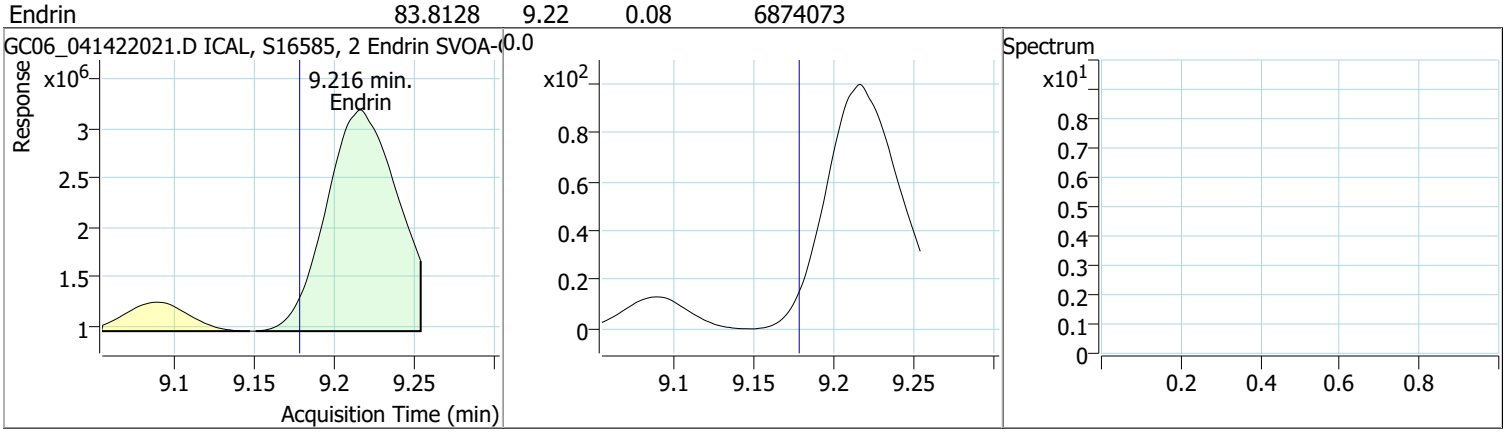
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	62.6669	8.62	-0.01	4757019			



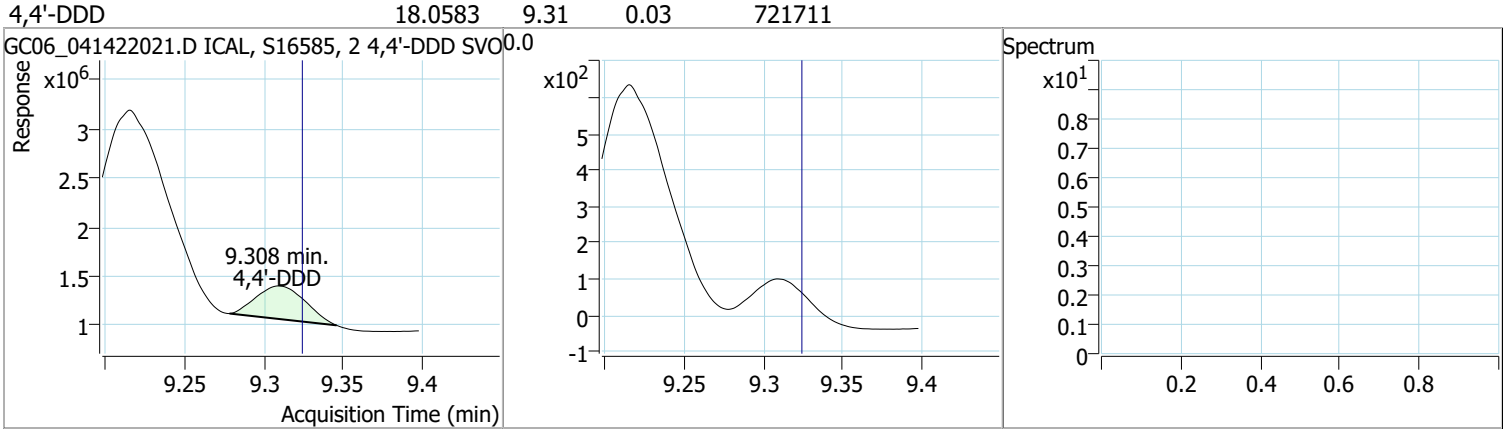
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	31.8934	8.84	0.02	6645238			



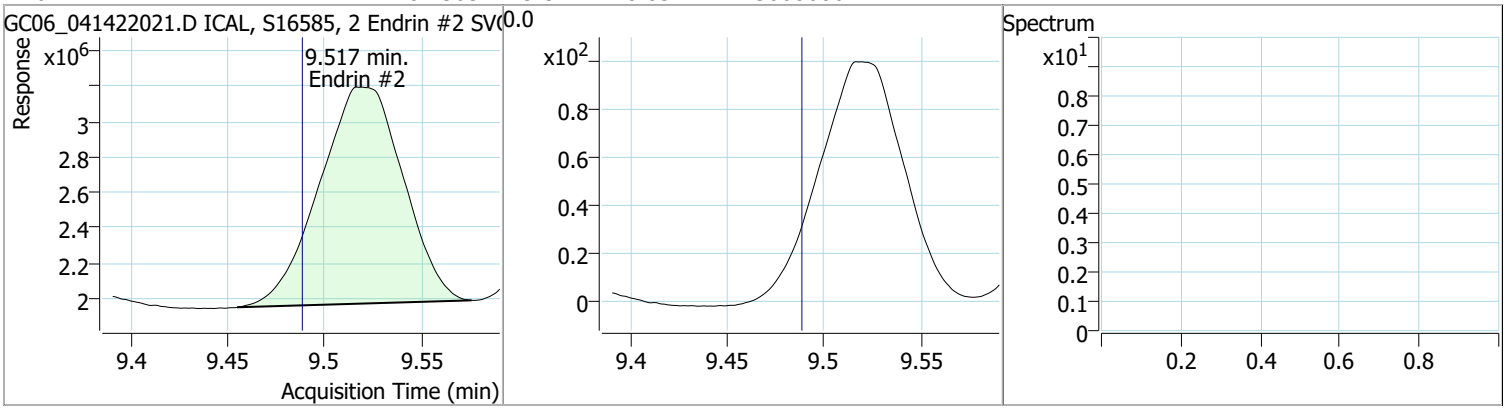
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	83.8128	9.22	0.08	6874073			



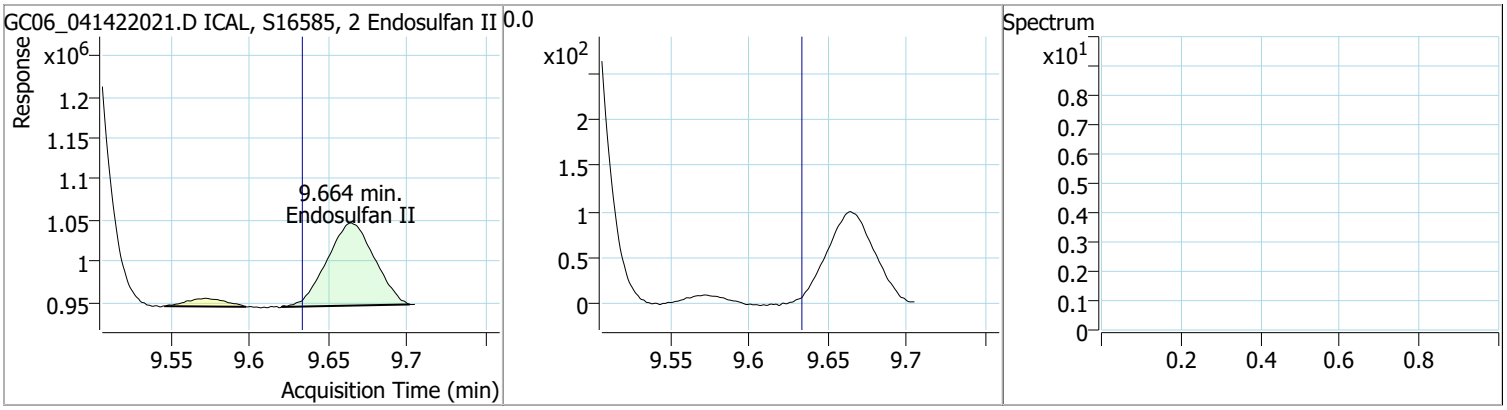
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	18.0583	9.31	0.03	721711			



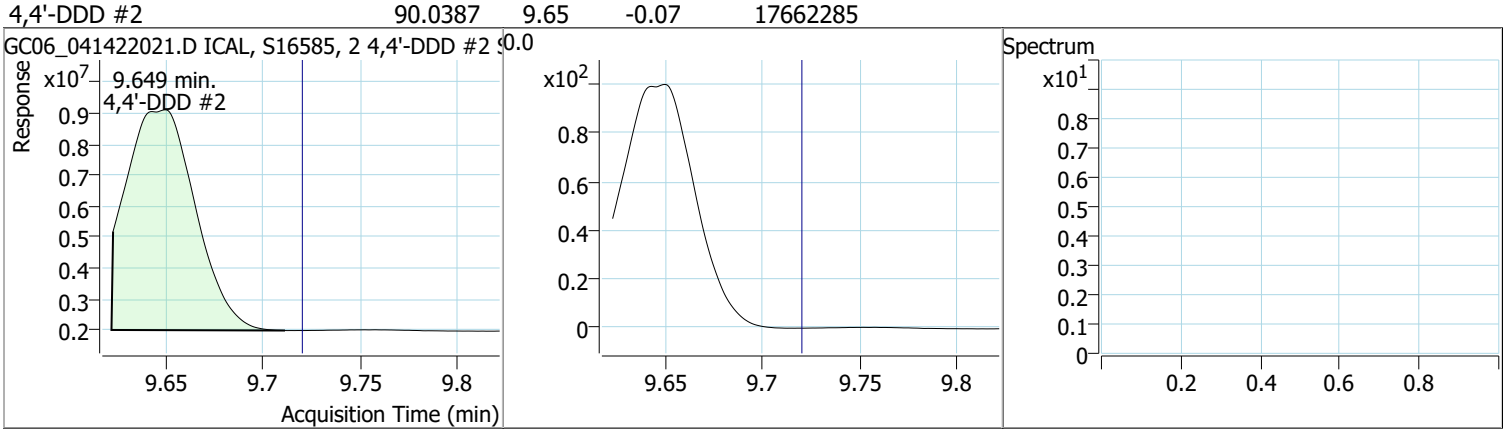
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	20.1565	9.52	0.03	3668606			



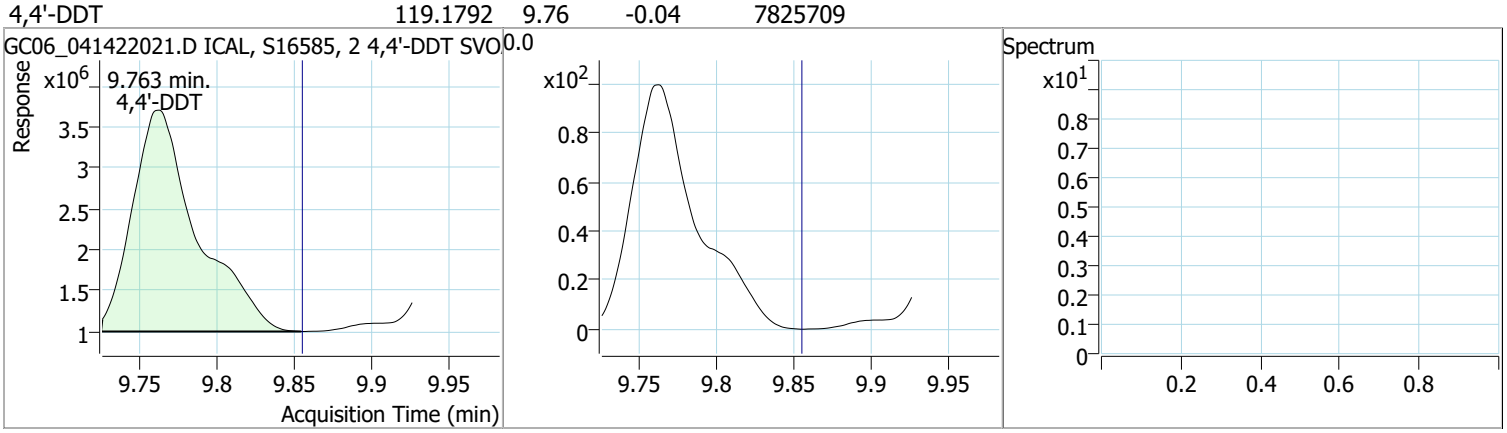
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	4.2221	9.66	0.08	211278			



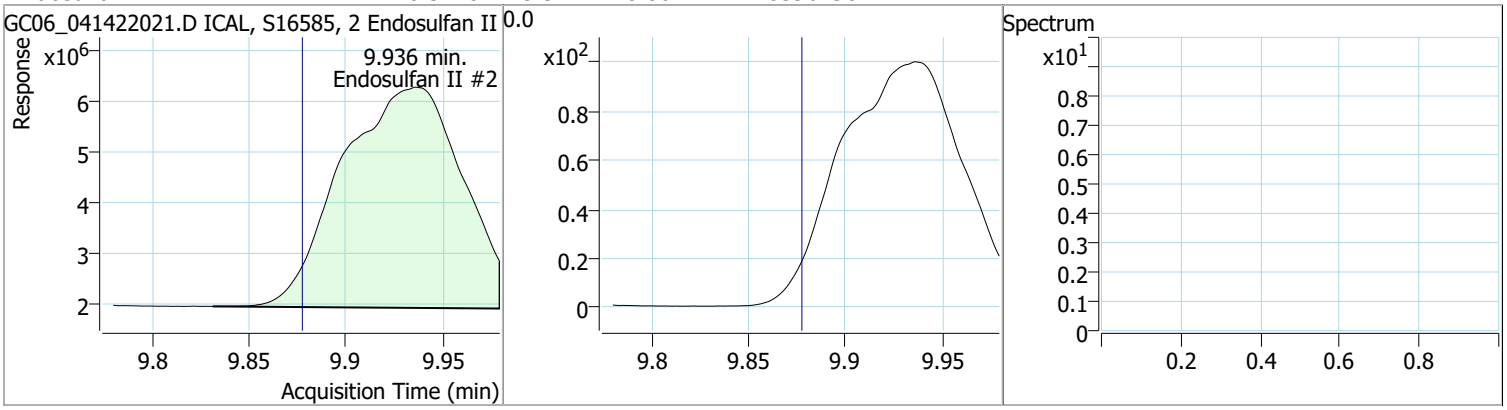
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	90.0387	9.65	-0.07	17662285			



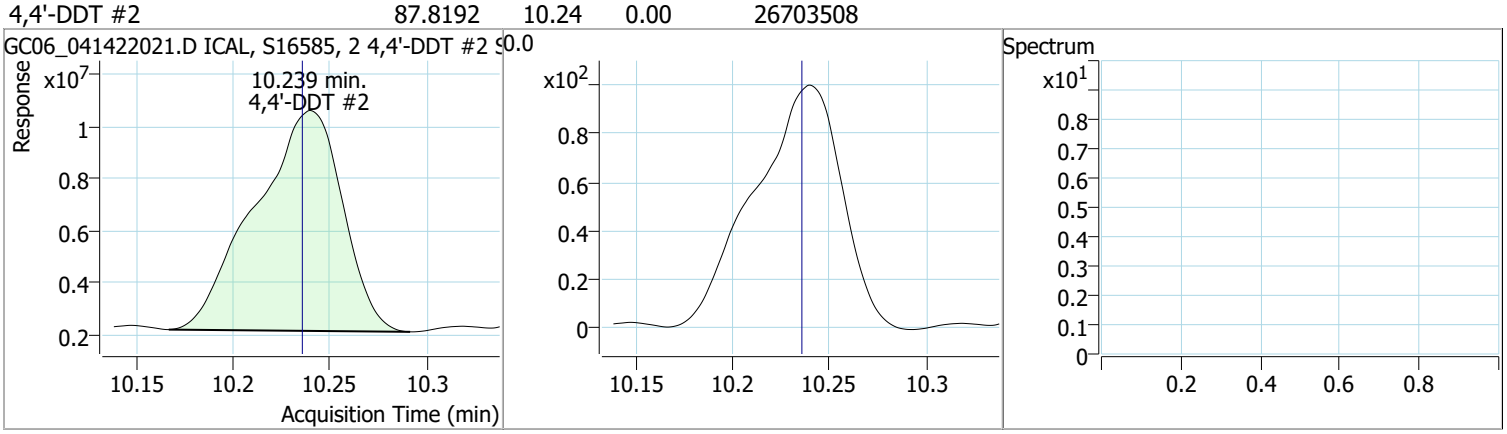
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	119.1792	9.76	-0.04	7825709			



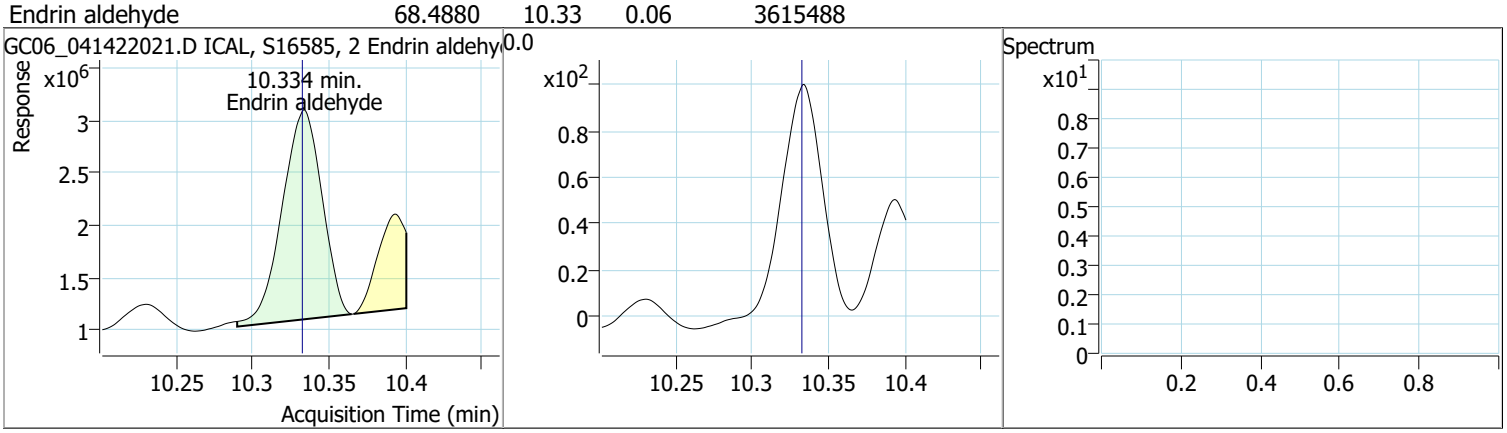
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	70.3120	9.94	0.06	18596498			



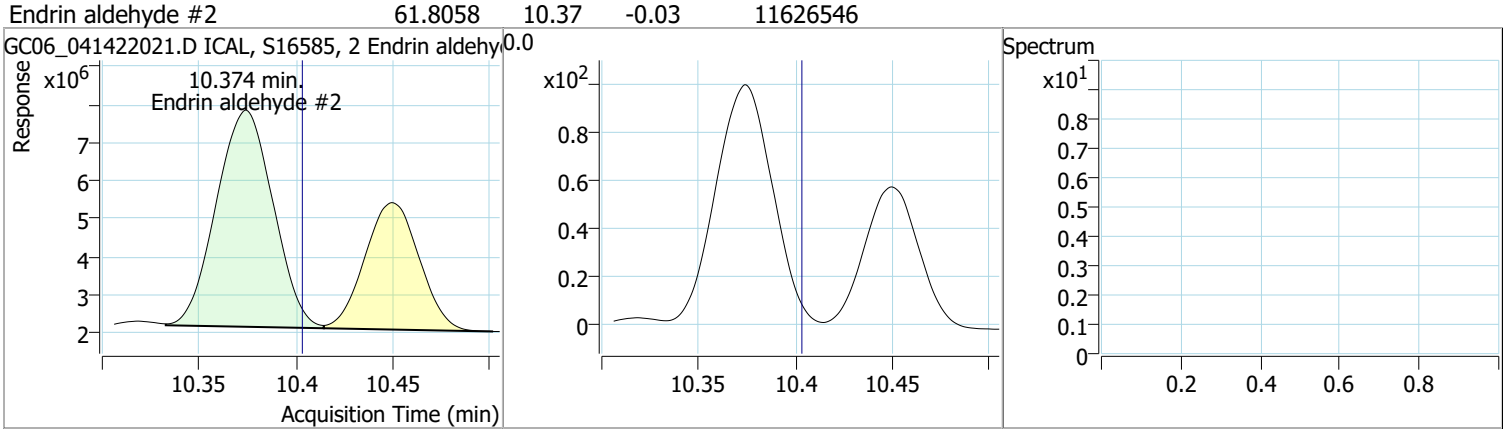
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	87.8192	10.24	0.00	26703508			



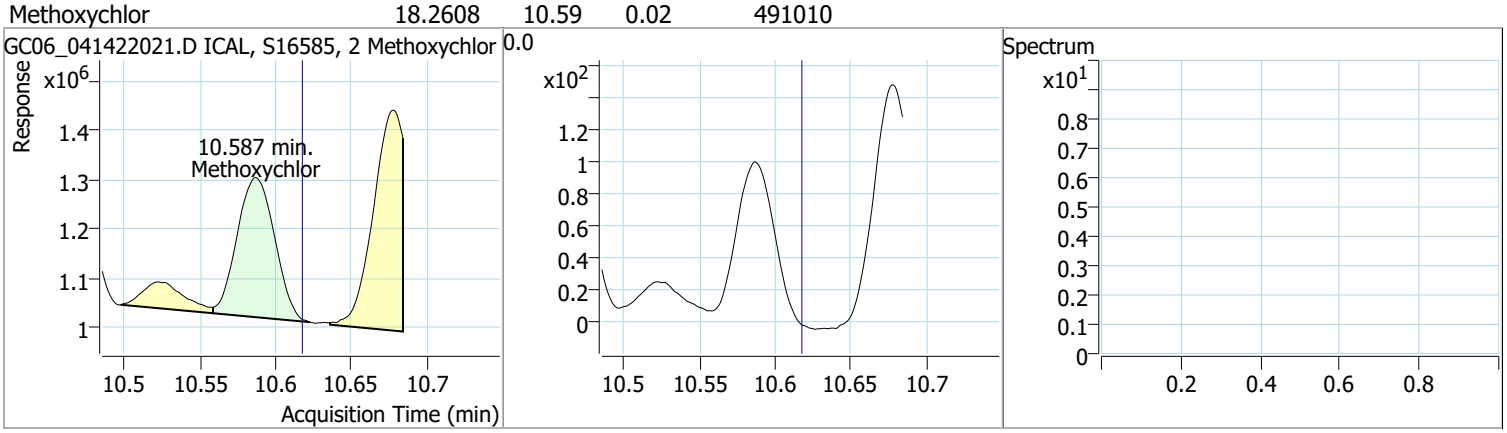
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	68.4880	10.33	0.06	3615488			



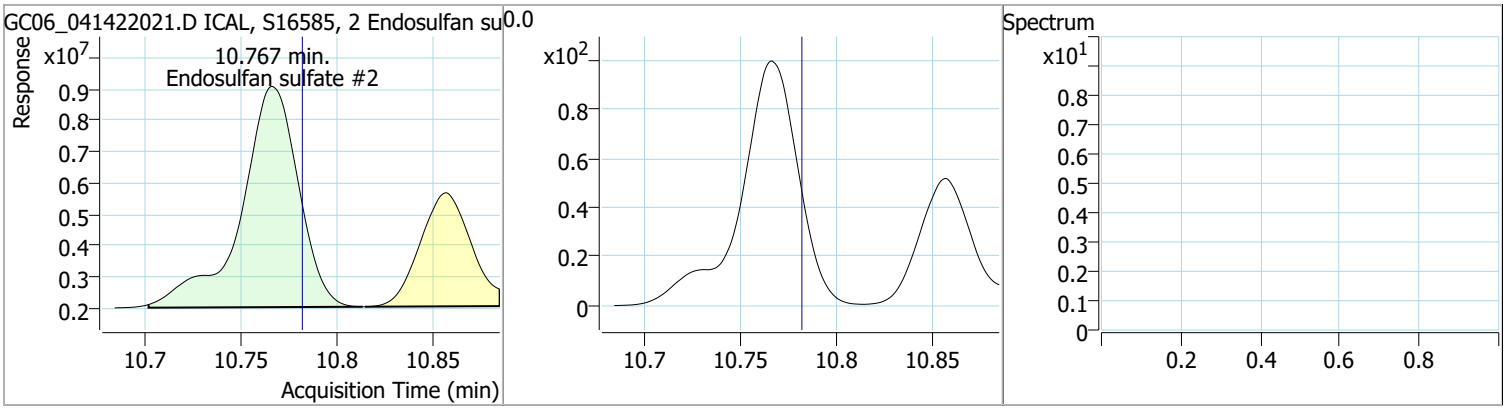
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	61.8058	10.37	-0.03	11626546			



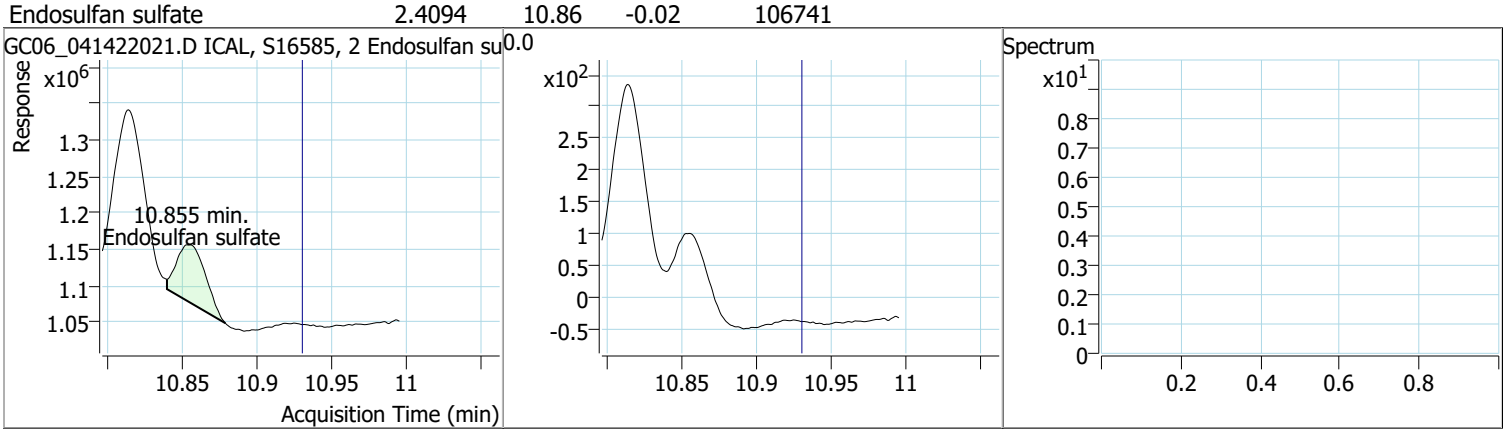
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	18.2608	10.59	0.02	491010			



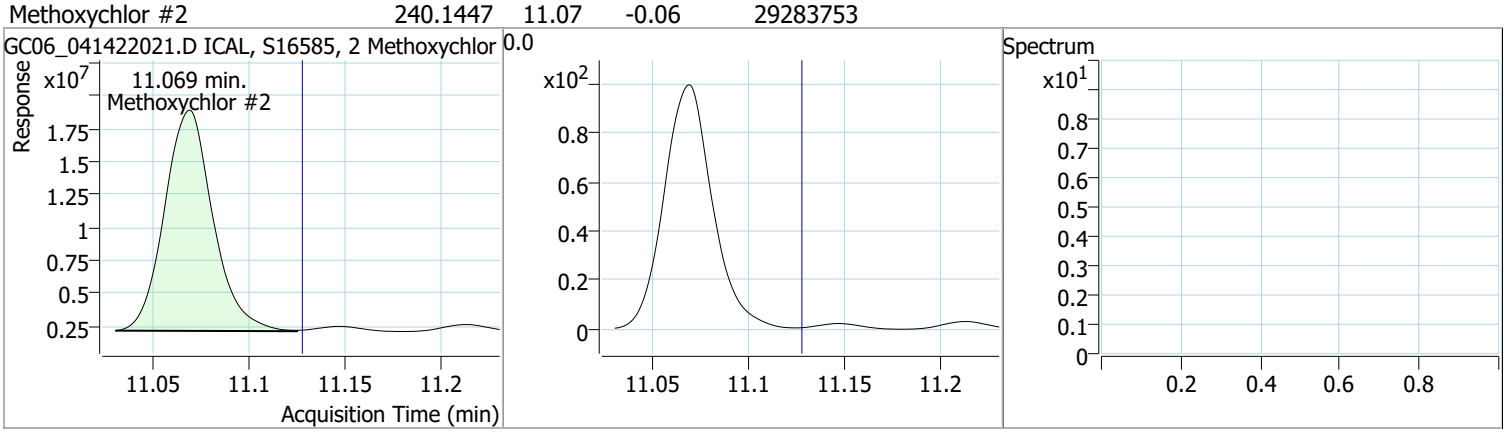
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	66.6457	10.77	-0.02	14667492			



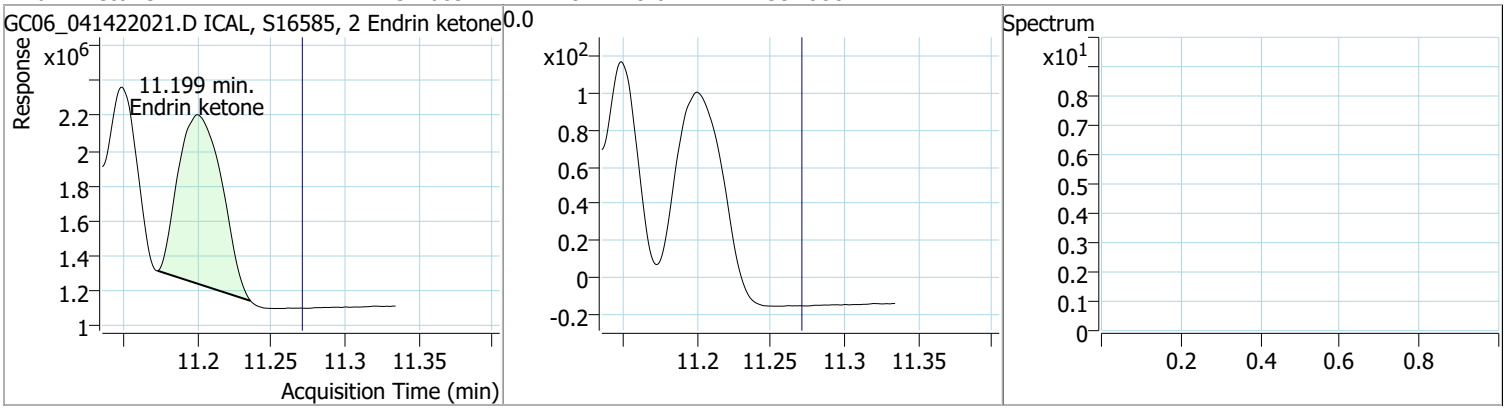
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	2.4094	10.86	-0.02	106741			



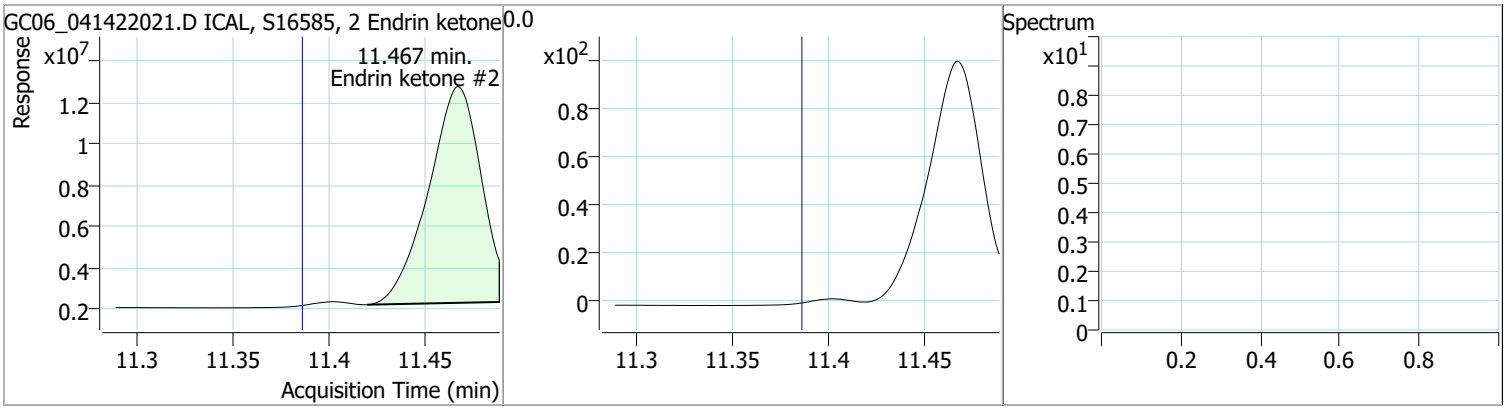
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	240.1447	11.07	-0.06	29283753			



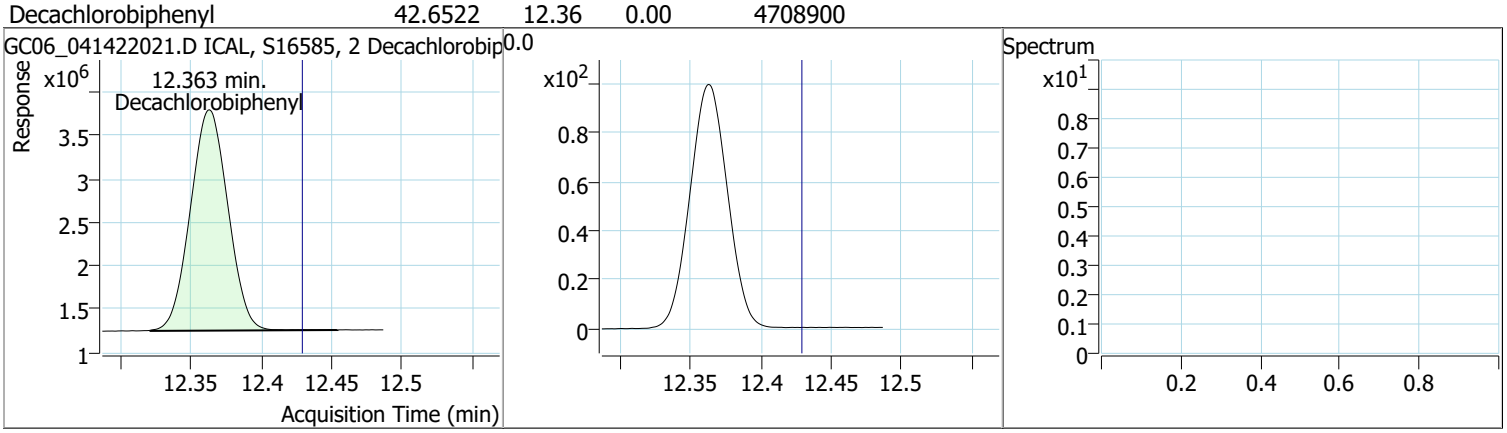
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	31.6897	11.20	-0.01	1997888			



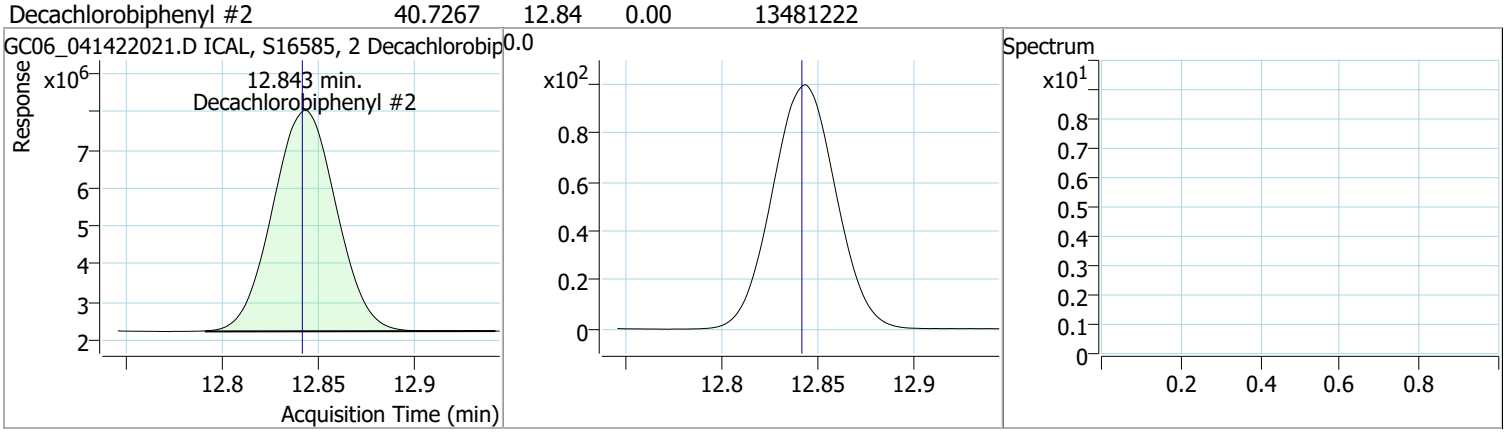
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	69.6011	11.47	0.08	19548666			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	42.6522	12.36	0.00	4708900			

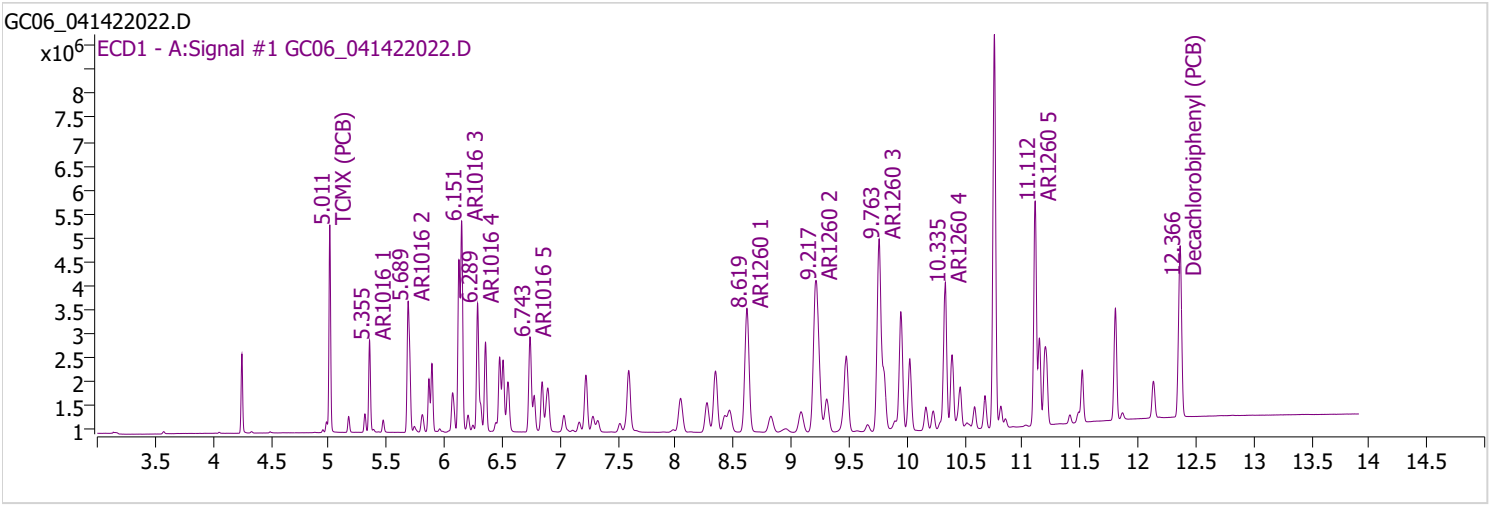


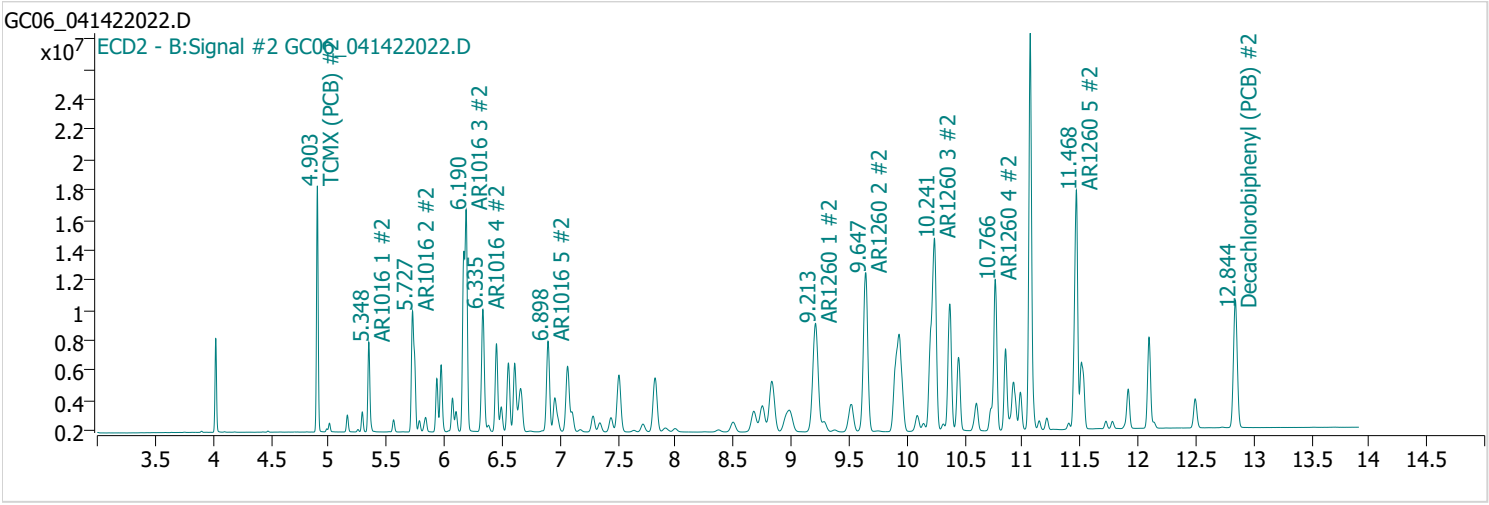
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	40.7267	12.84	0.00	13481222			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422022.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:44:14 PM
Sample Name	ICAL, S16585, 1.33	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 118	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



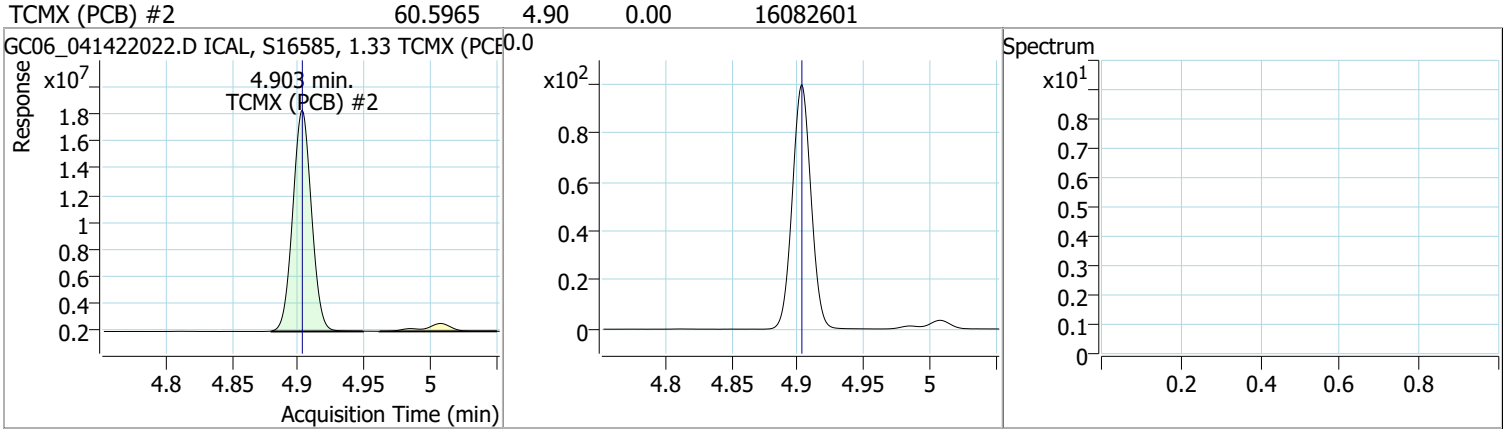


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.251	4.024	1588388	5794417	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.011	4.903	4411653	16082601	57.743	60.597	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	288.71% *	302.98% *	
S Decachlorobiphenyl (PCB)	12.366	12.844	6796418	19469690	56.275	55.684	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	281.37% *	278.42% *	
Target Compounds							
T AR1016 1	5.355	5.348	2110884	7324137	1358.597	1349.749	ng/ml
T AR1016 2	5.689	5.727	4485104	15445320	1325.765	1371.587	ng/ml
T AR1016 3	6.151	6.190	5713338	20893358 m	1434.974	1406.875	ng/ml
T AR1016 4	6.289	6.335	4168990	13935230	1399.222	1383.100	ng/ml
T AR1016 5	6.743	6.898	3182685	11121252	1380.905	1411.835	ng/ml
T AR1260 1	8.619	9.213	6739852	23514478 m	1348.317	1340.824	ng/ml
T AR1260 2	9.217	9.647	10593988	27829642	1375.988	1373.364	ng/ml
T AR1260 3	9.763	10.241	11760001	39056610	1469.299	1418.652	ng/ml
T AR1260 4	10.335	10.766	5647323	21346241	1418.728	1432.885	ng/ml

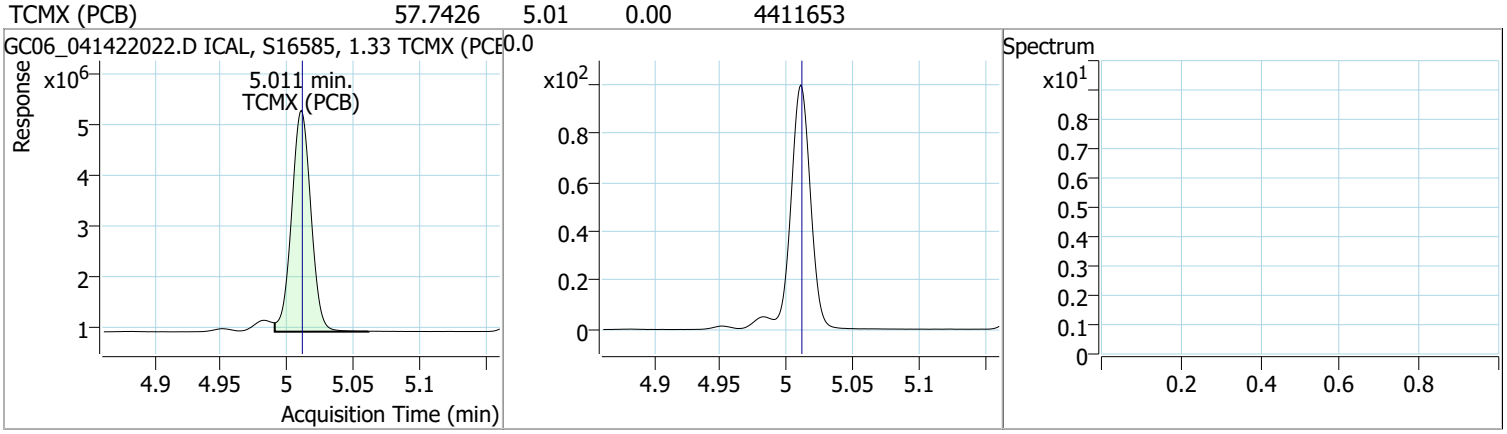
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.468	7811997	31074860	1482.806	1414.828	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

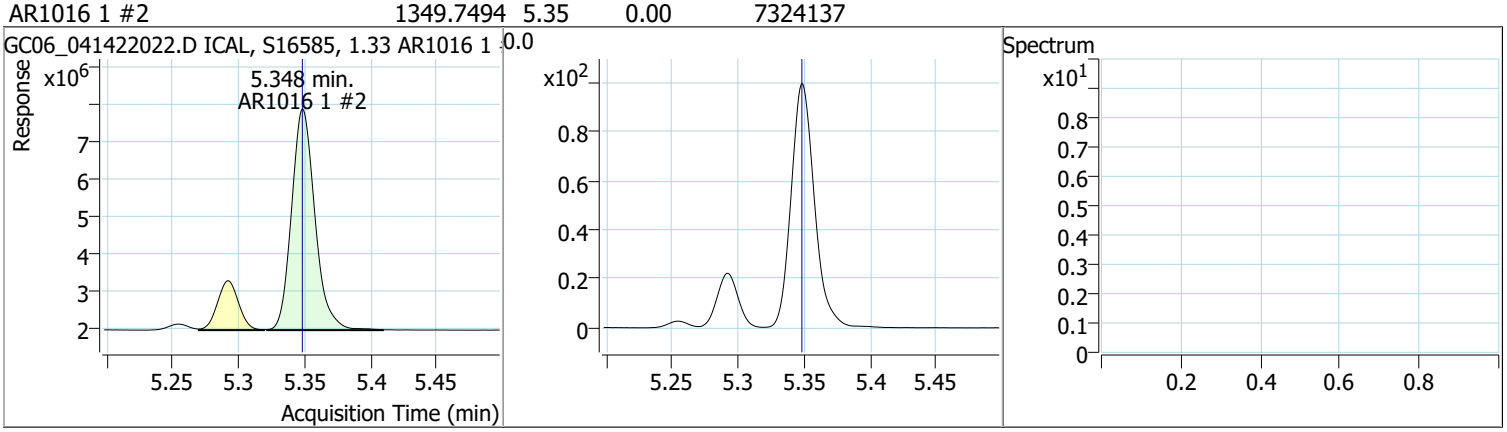
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	60.5965	4.90	0.00	16082601			



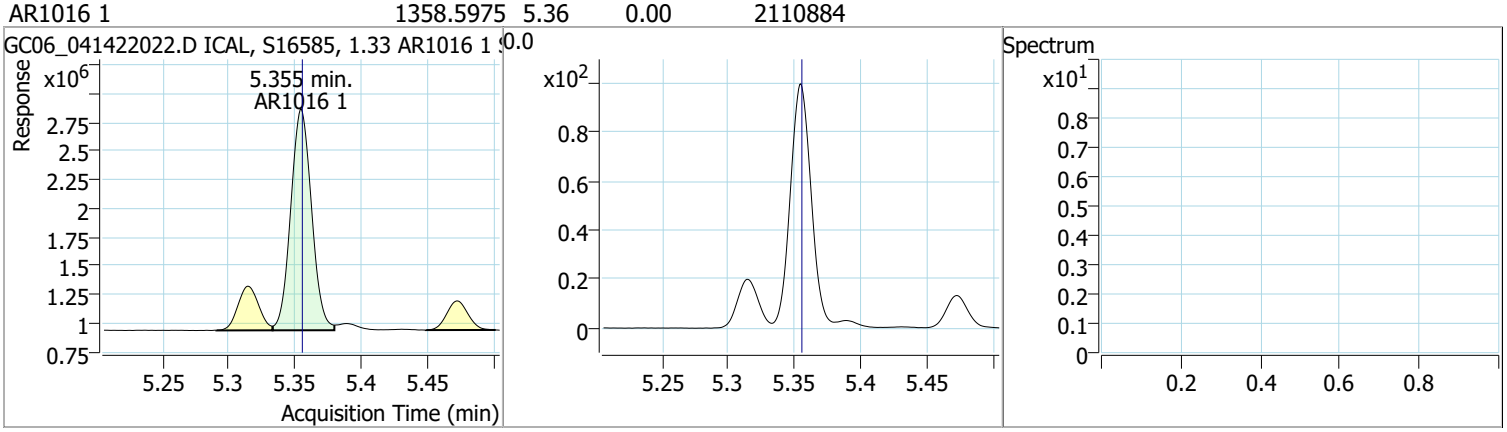
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	57.7426	5.01	0.00	4411653			



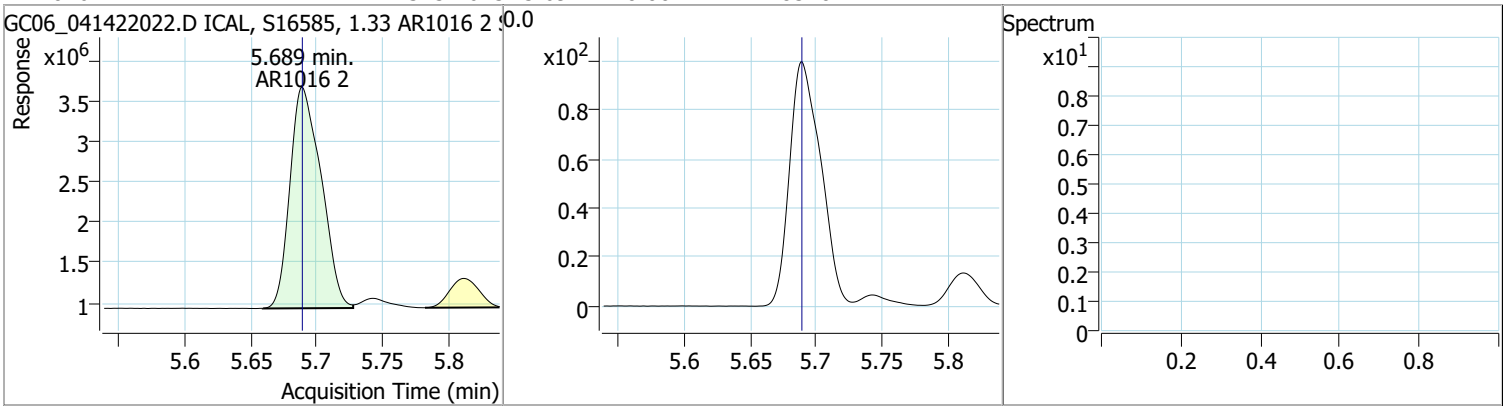
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	1349.7494	5.35	0.00	7324137			



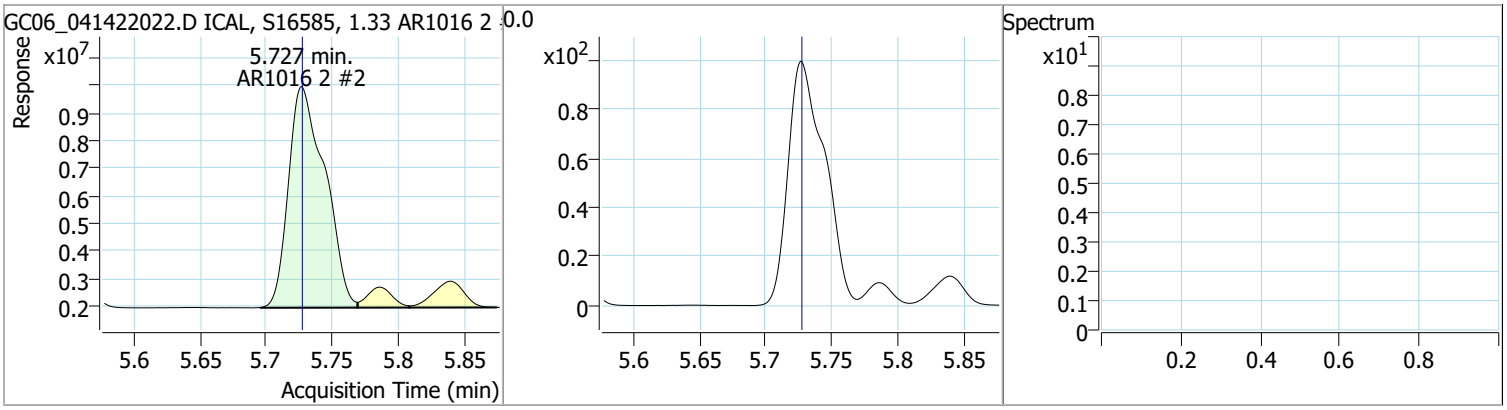
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	1358.5975	5.36	0.00	2110884			



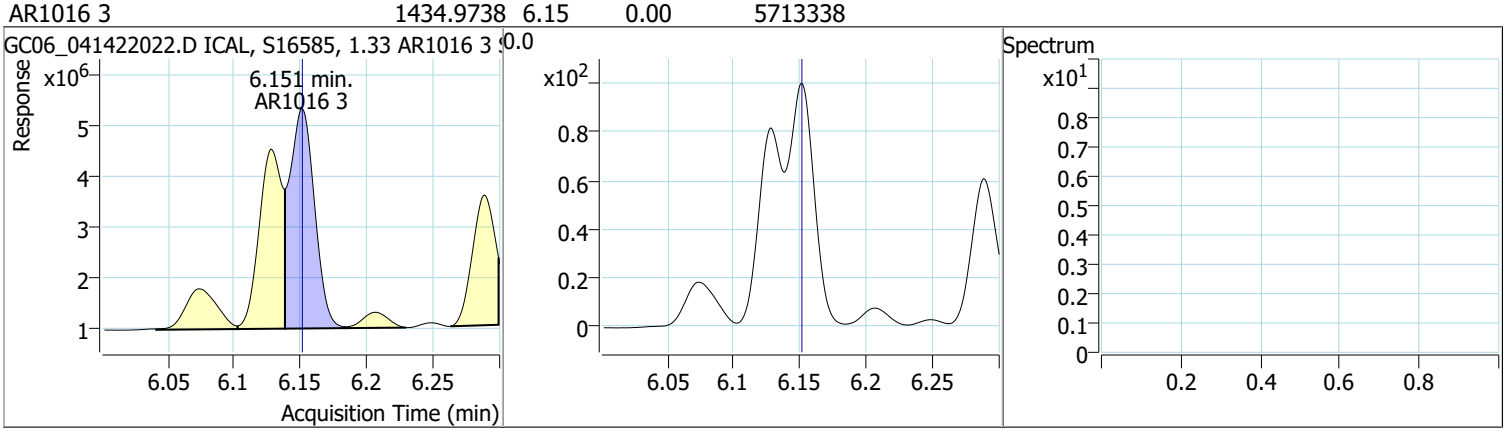
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	1325.7645	5.69	0.00	4485104			



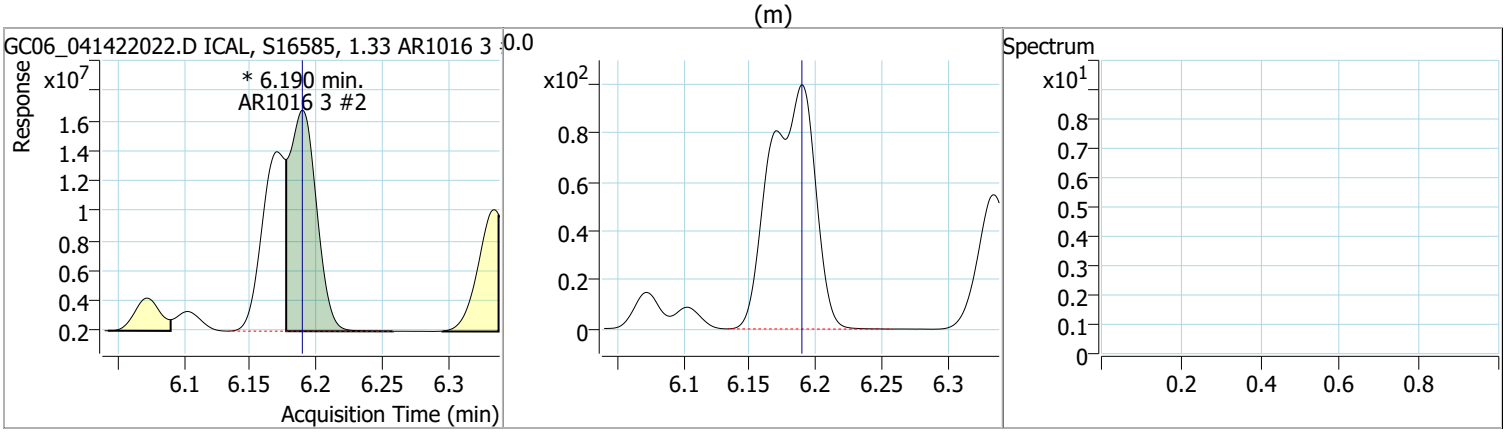
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	1371.5868	5.73	0.00	15445320			



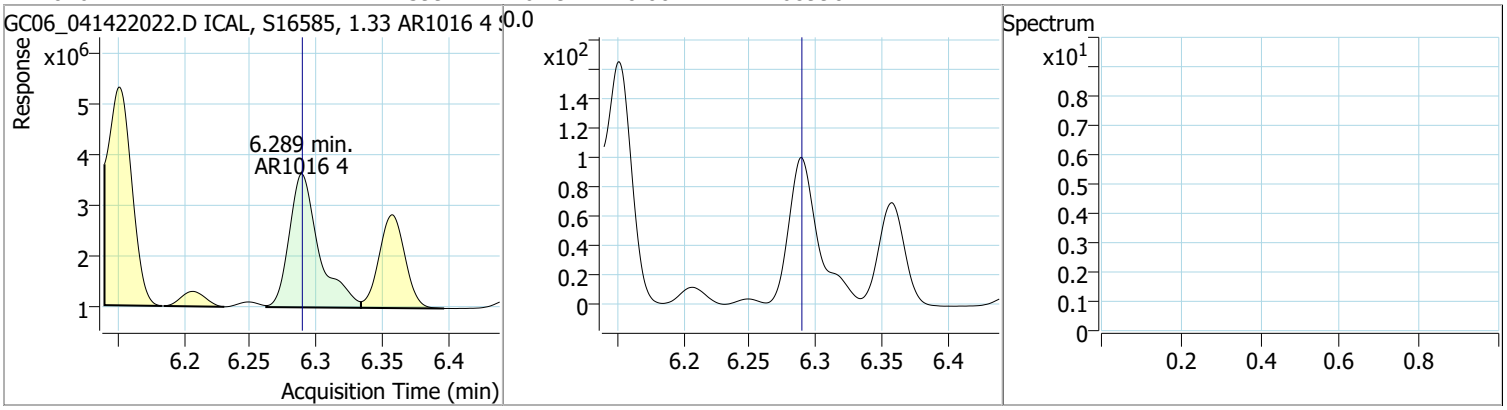
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	1434.9738	6.15	0.00	5713338			



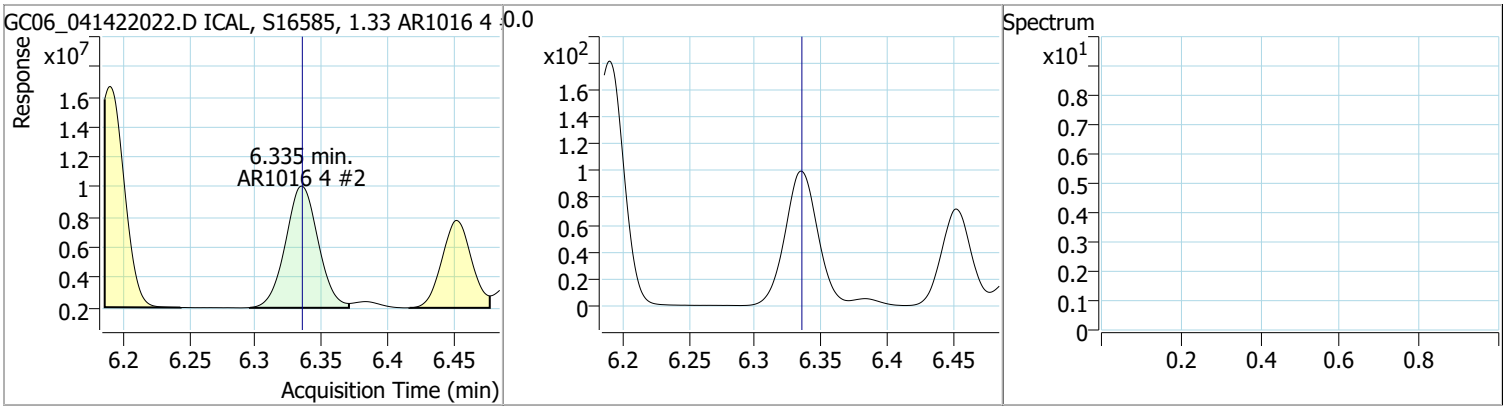
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	1406.8752	6.19	0.00	20893358 (m)			



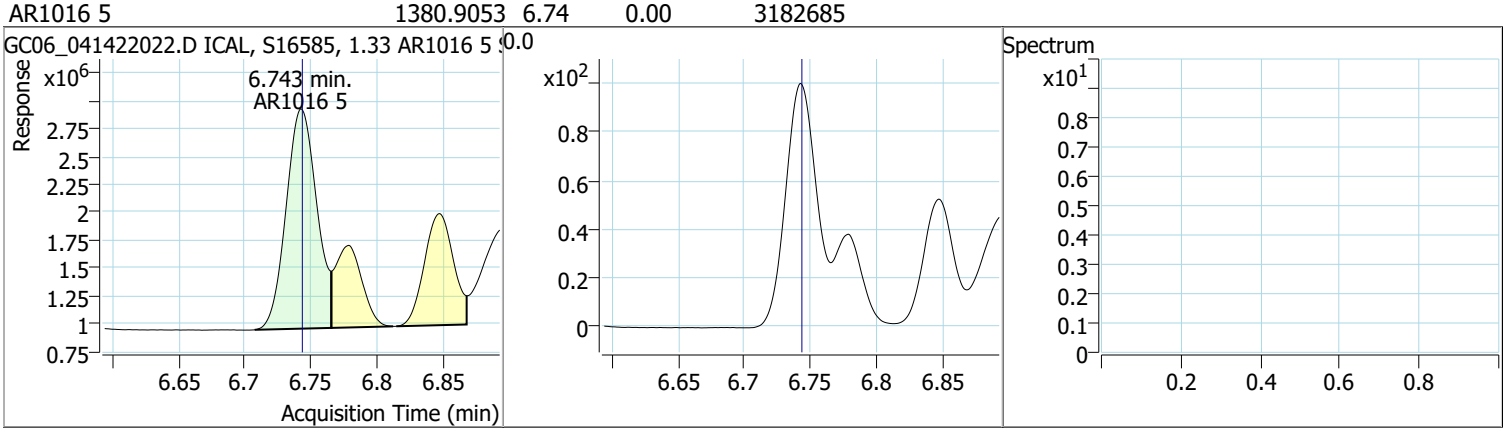
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	1399.2221	6.29	0.00	4168990			



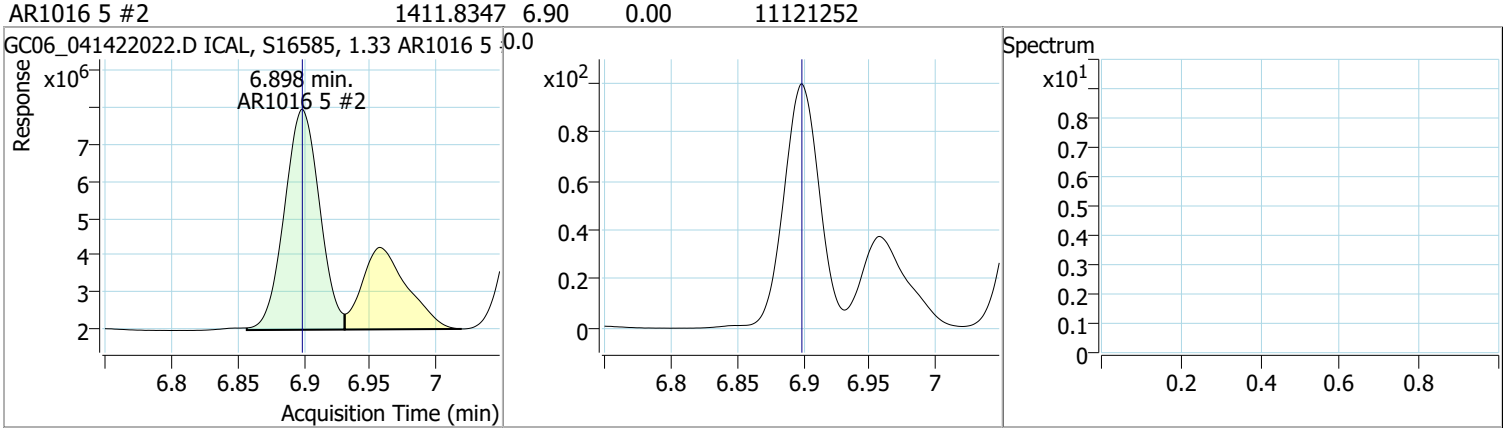
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	1383.1005	6.34	0.00	13935230			



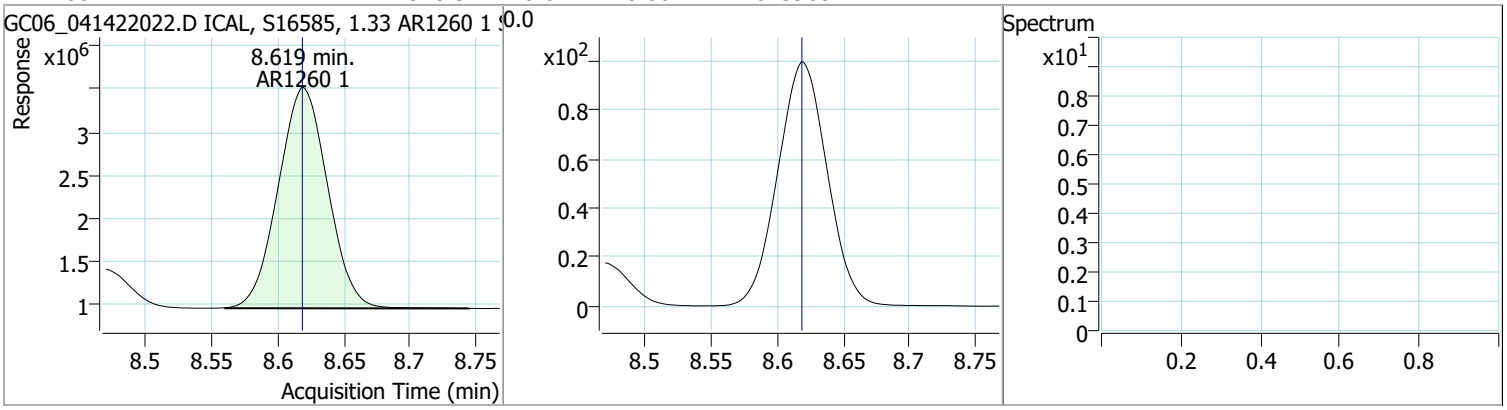
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	1380.9053	6.74	0.00	3182685			



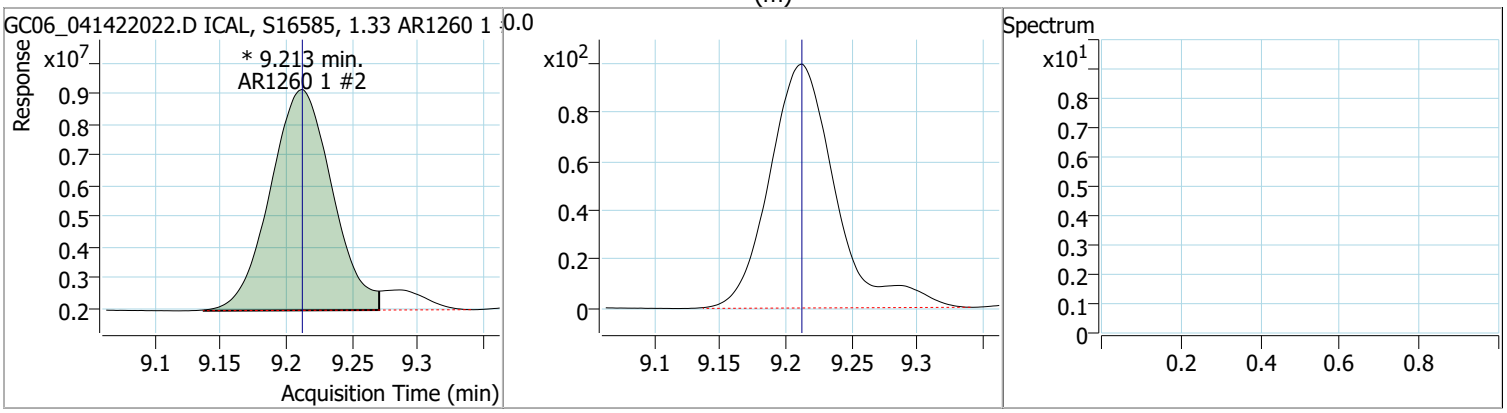
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	1411.8347	6.90	0.00	11121252			



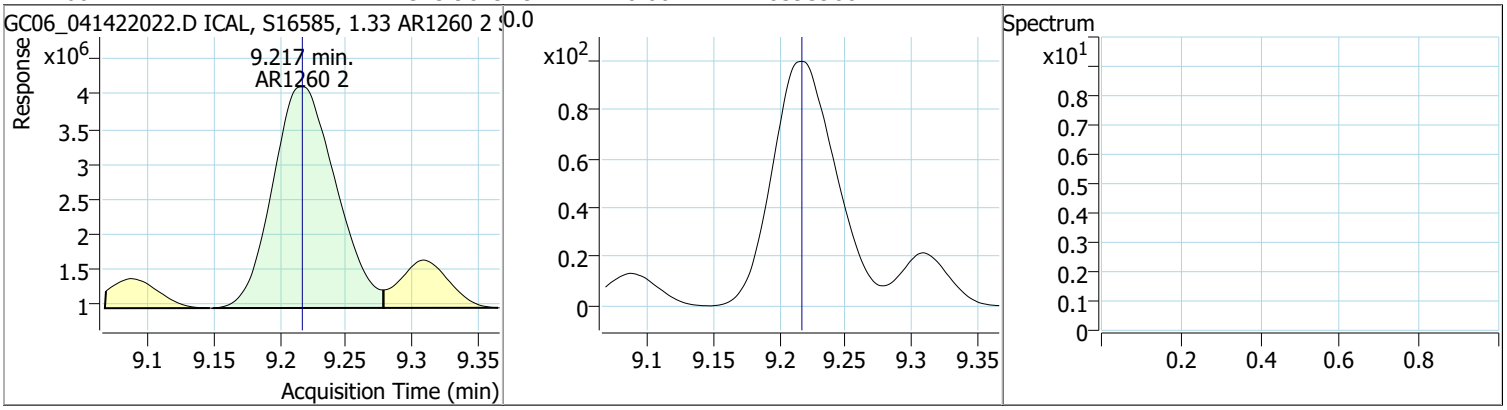
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	1348.3172	8.62	0.00	6739852			



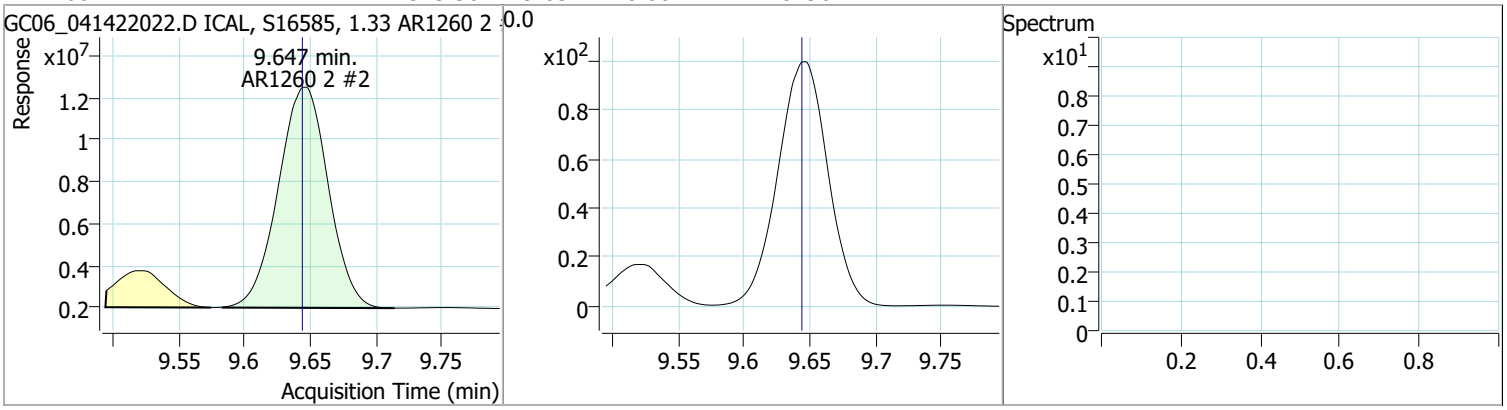
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	1340.8241	9.21	0.00	23514478 (m)			



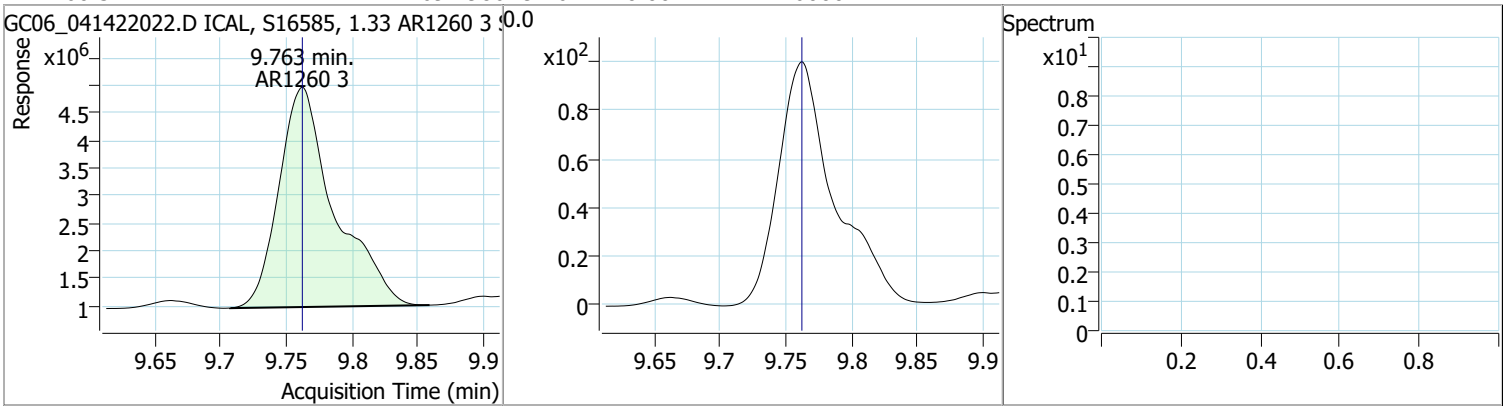
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	1375.9879	9.22	0.00	10593988			



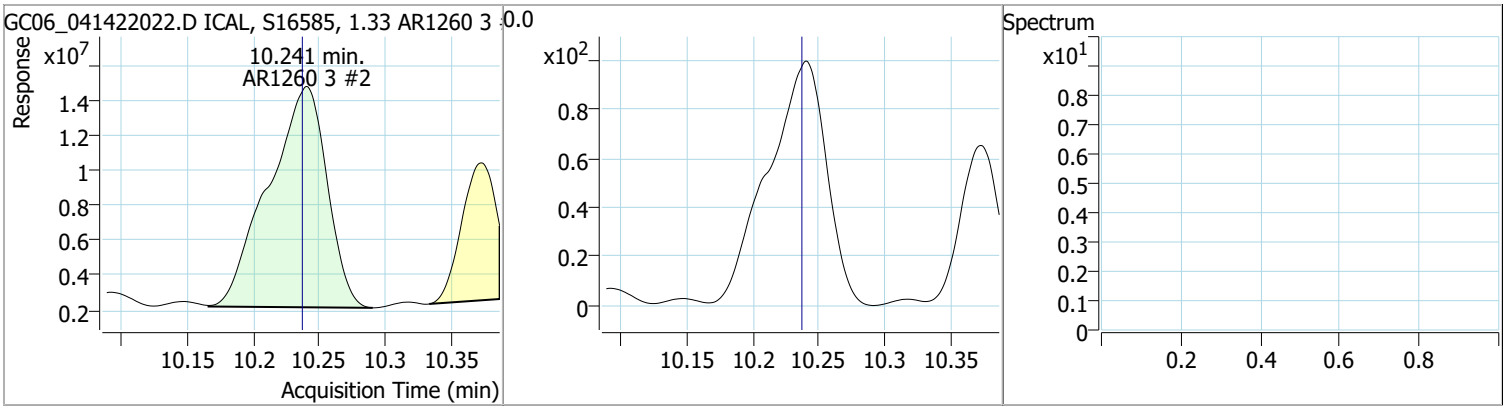
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	1373.3642	9.65	0.00	27829642			



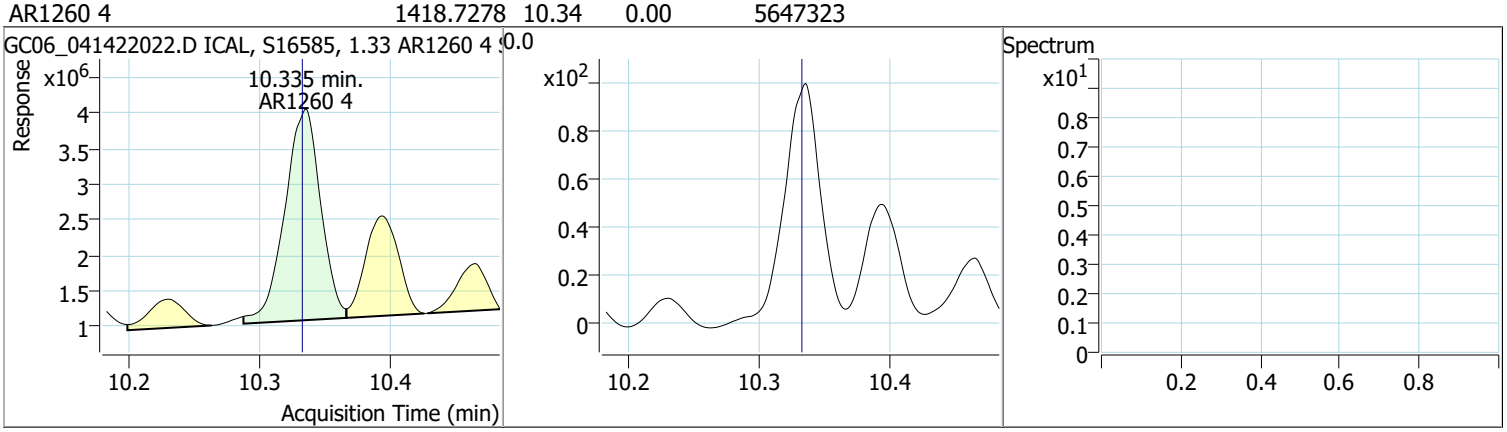
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	1469.2986	9.76	0.00	11760001			



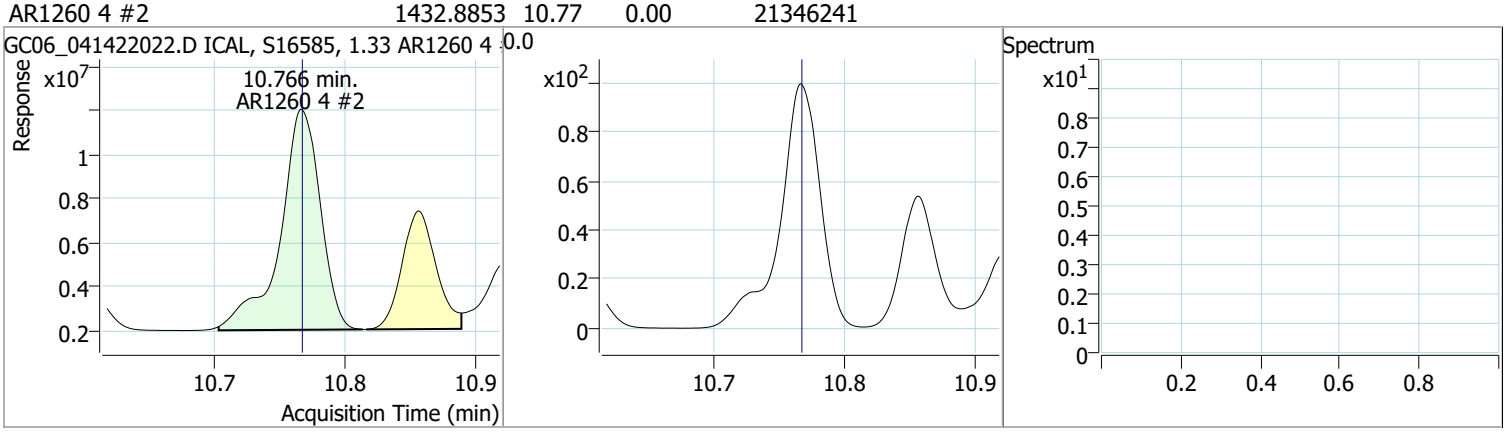
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	1418.6521	10.24	0.00	39056610			



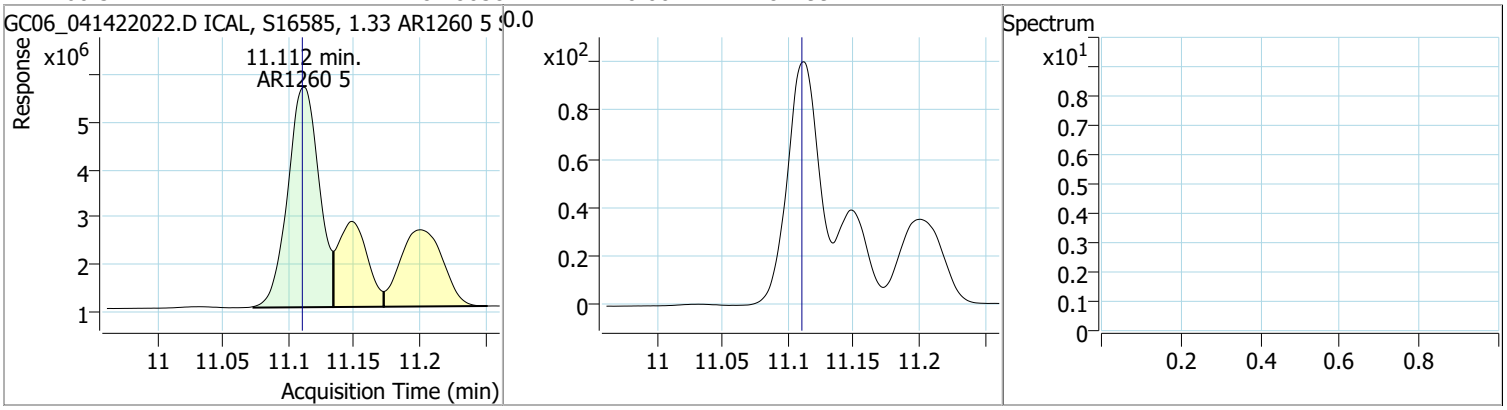
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	1418.7278	10.34	0.00	5647323			



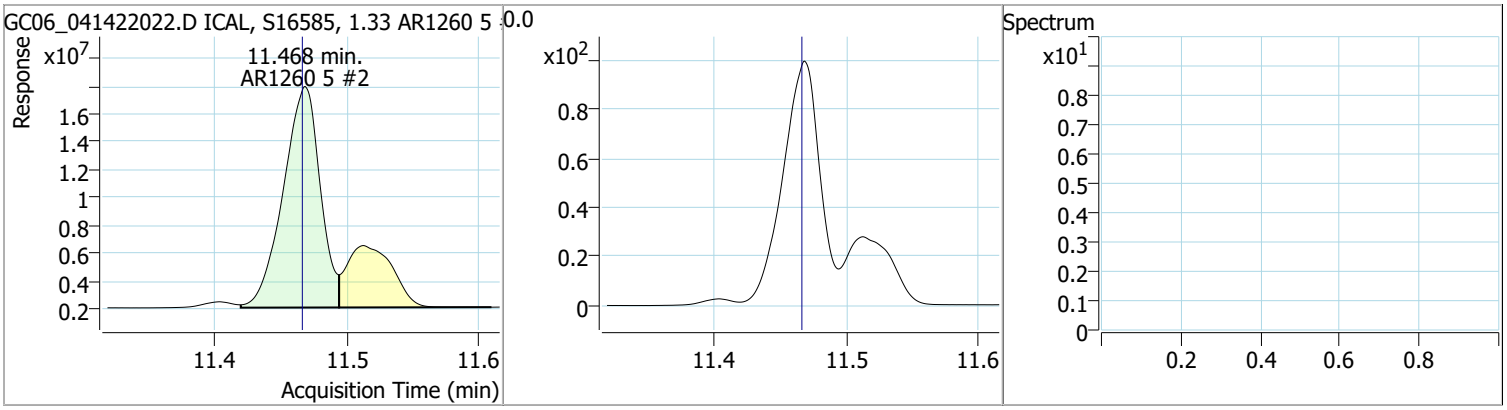
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	1432.8853	10.77	0.00	21346241			



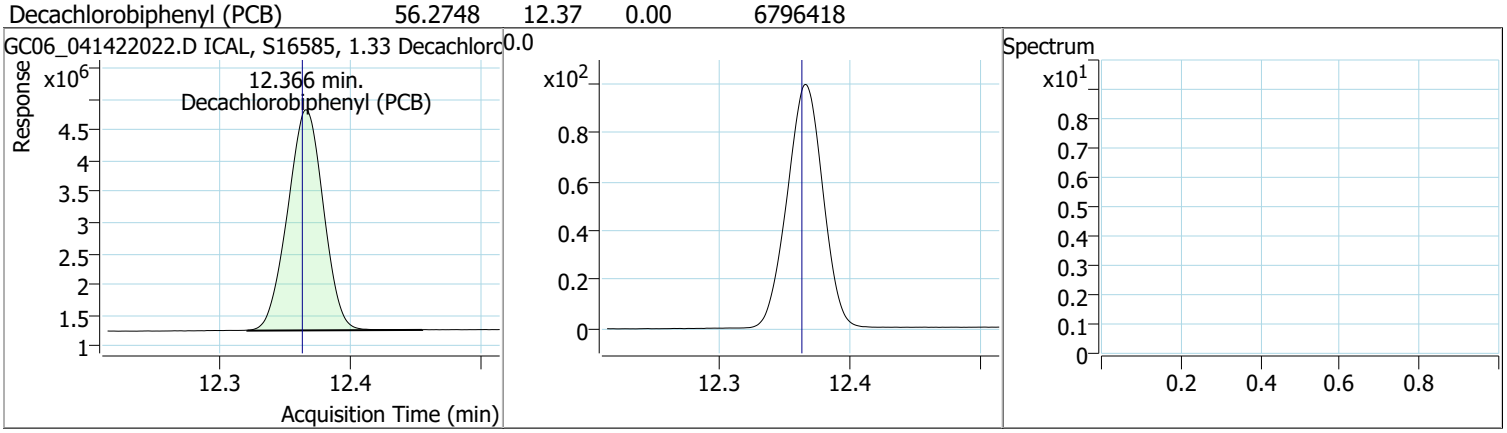
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	1482.8058	11.11	0.00	7811997			



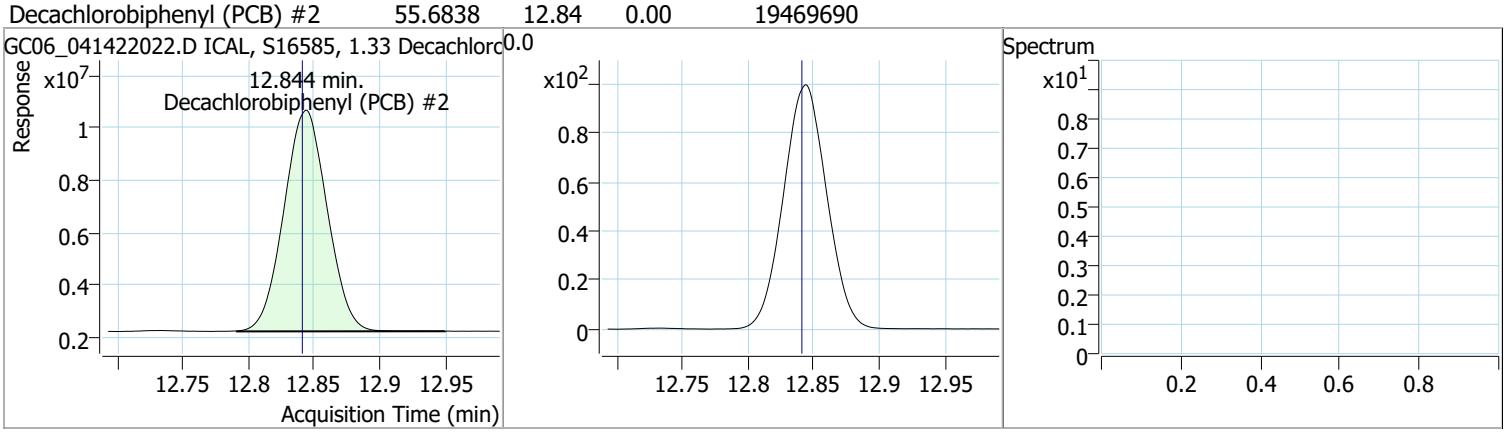
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	1414.8278	11.47	0.00	31074860			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	56.2748	12.37	0.00	6796418			

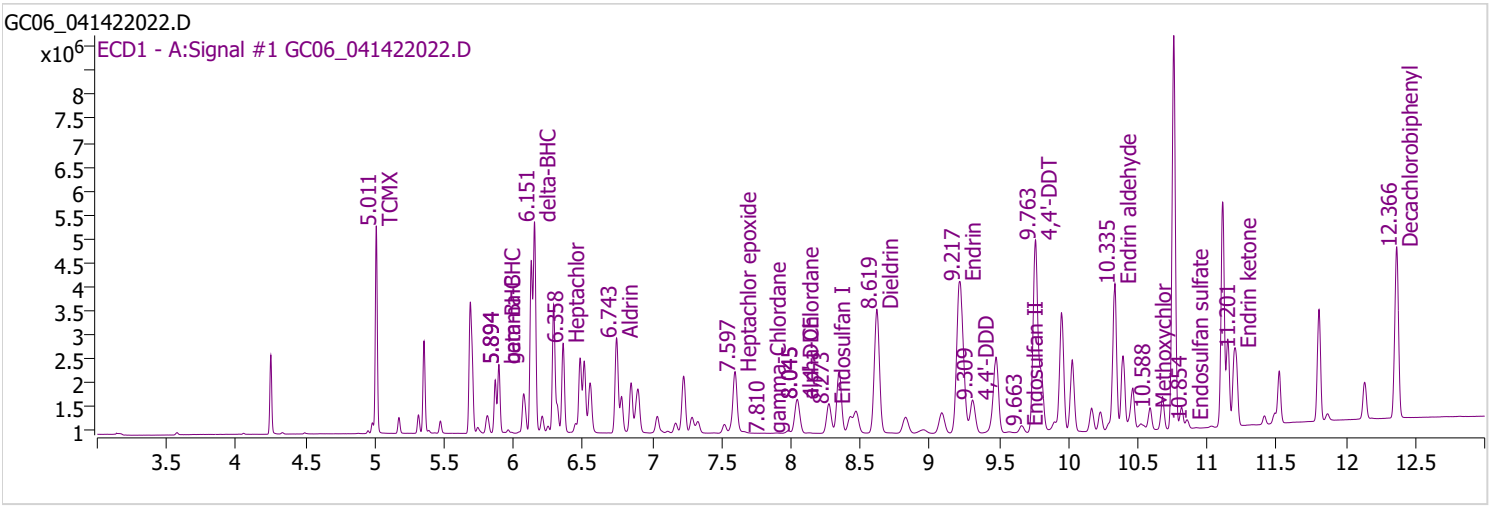


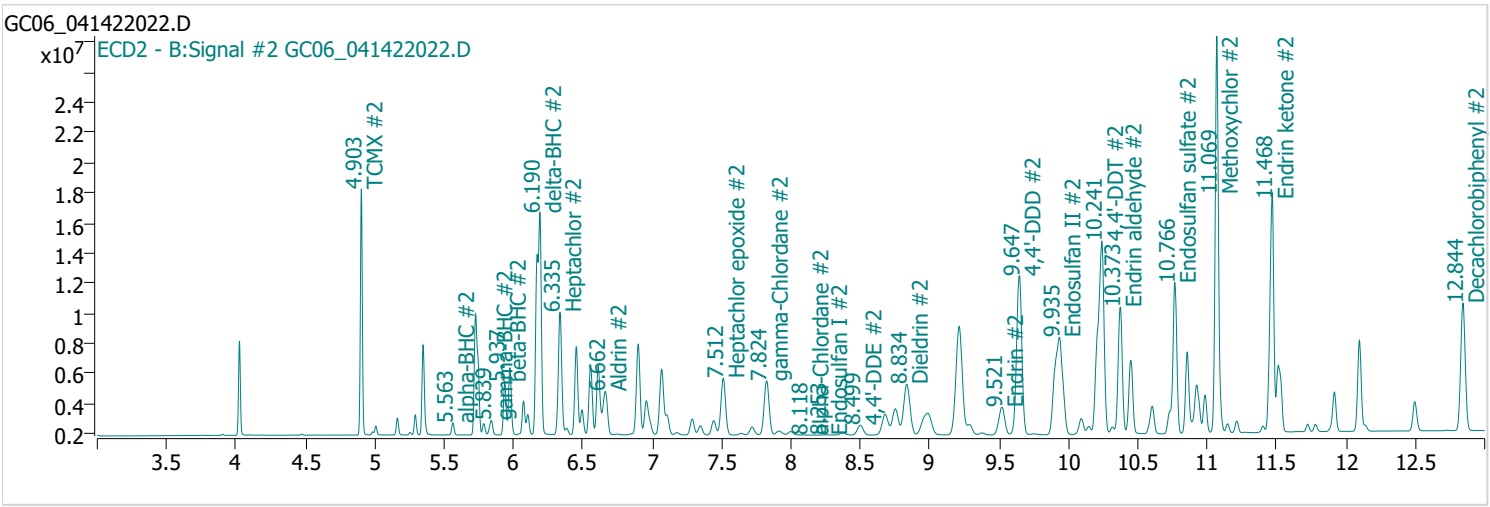
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	55.6838	12.84	0.00	19469690			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422022.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:44:14 PM
Sample Name	ICAL, S16585, 1.33	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 118	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 8:58:27 PM



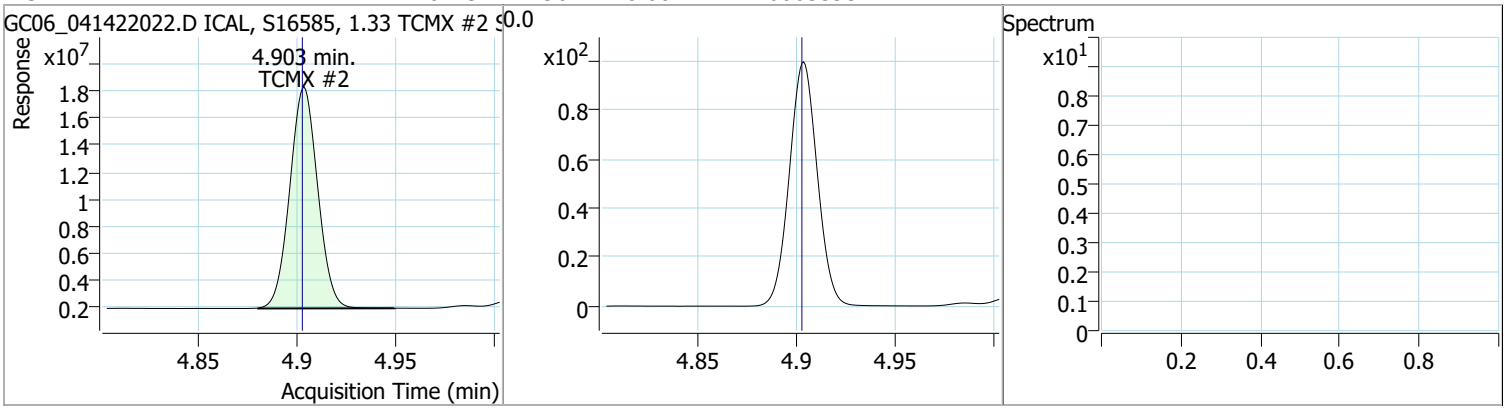


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.251	4.024	1579943	5794445	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.011	4.903	4410864	16065395	67.588	71.025	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	337.94% *	355.12% *	
S Decachlorobiphenyl	12.366	12.844	6789423	19302255	69.126	65.136	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	345.63% *	325.68% *	
Target Compounds							
T alpha-BHC	----	5.563 f	0	920345	N.D.	5.071 #	ng/ml
T gamma-BHC	5.894	5.839	1737182	1416221	30.444	7.657 #	ng/ml
T beta-BHC	5.894	5.937	1710136	4568637	56.192	39.999 #	ng/ml
T delta-BHC	6.151	6.190	5620220	35209398	68.047	84.716	ng/ml
T Heptachlor	6.358	6.335	2280047	13942615	37.500	51.437 #	ng/ml
T Aldrin	6.743	6.662 f	3182685	6459364	47.917	32.188 #	ng/ml
T Heptachlor epoxide	7.597	7.512	2723636	7838665	43.031	36.286	ng/ml
T gamma-Chlordane	7.810	7.824	3036	8770743	0.067	37.329 #	ng/ml
T alpha-Chlordane	8.045	8.118	1098356	2682	22.184	0.016 #	ng/ml

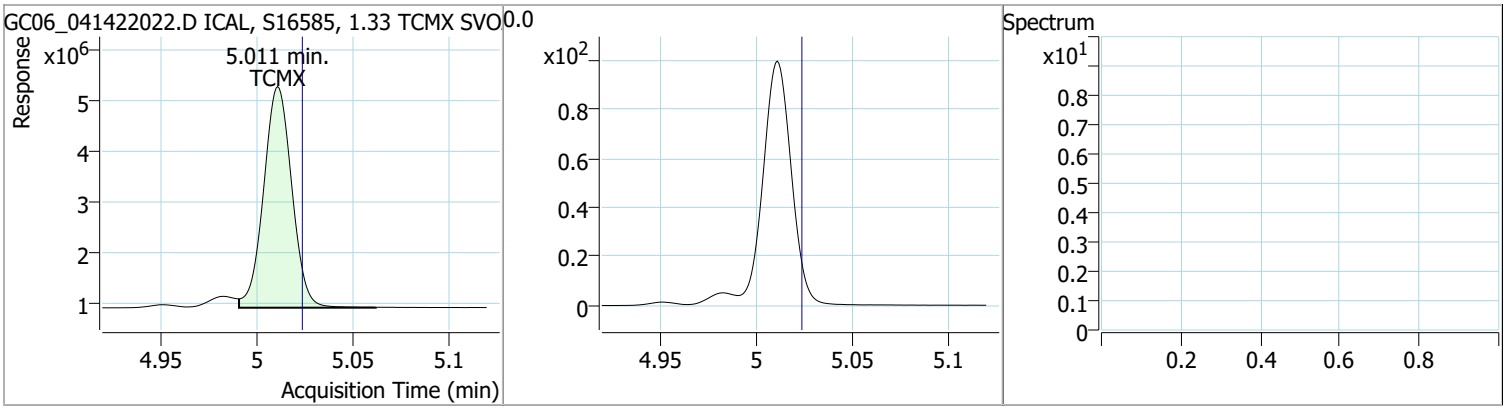
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.273	8.253	1358875	32827	28.680	0.220 #	ng/ml
T 4,4'-DDE	8.045	8.499 f	1694921	1906361	35.239	12.910 #	ng/ml
T Dieldrin	8.619	8.834	6612828	9357717	98.238	51.019 #	ng/ml
T Endrin	9.217	9.521	9777241	5338414	133.425	33.443 #	ng/ml
T 4,4'-DDD	9.309	9.647 f	1066737	25591467	30.533	145.260 #	ng/ml
T Endosulfan II	9.663	9.935 f	331711	26330722	7.652	111.649 #	ng/ml
T 4,4'-DDT	9.763	10.241	11484924	38823043	193.253	142.253 #	ng/ml
T Endrin aldehyde	10.335	10.373	5263002	16803352	112.095	100.417	ng/ml
T Endosulfan sulfate	10.854	10.766	159468	21350803	4.140	108.863 #	ng/ml
T Methoxychlor	10.588	11.069 f	732597	43728207	29.406	404.795 #	ng/ml
T Endrin ketone	11.201	11.468 f	2936002	28593437	53.021	114.789 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

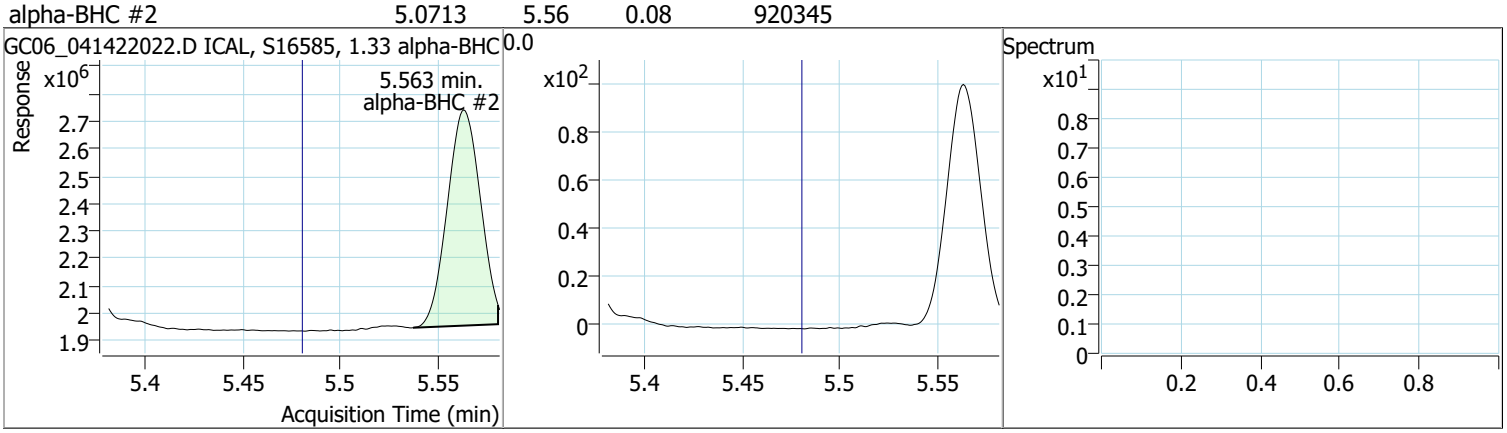
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	71.0249	4.90	0.00	16065395			



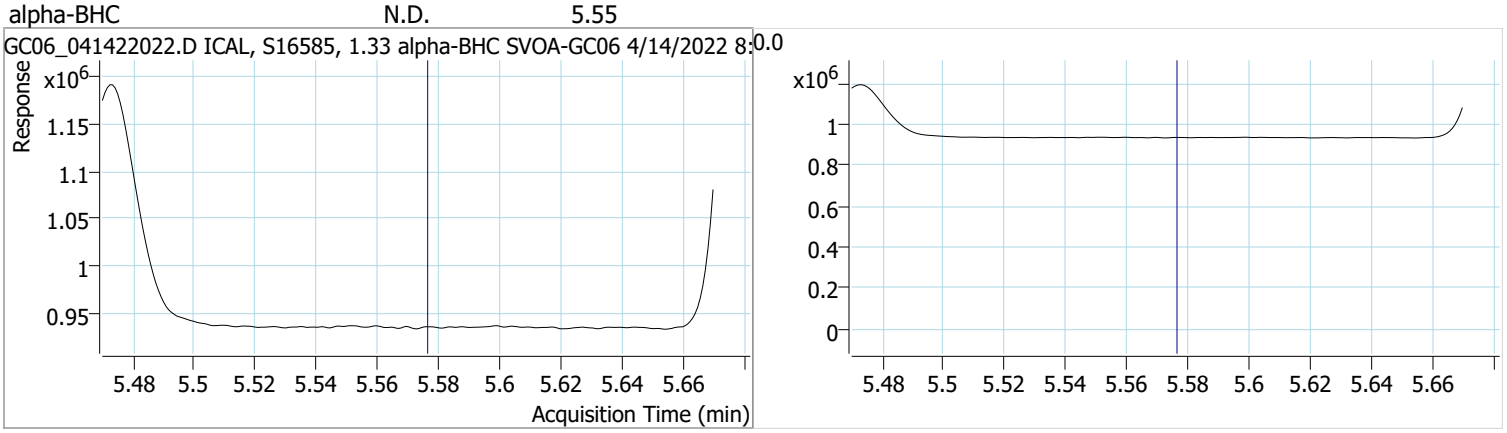
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	67.5880	5.01	0.01	4410864			



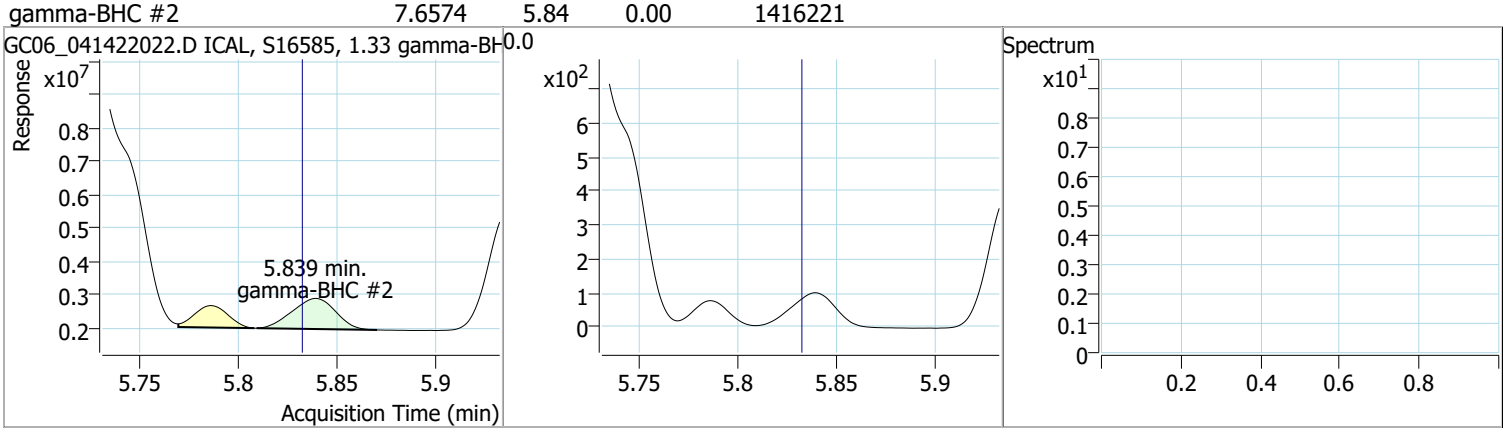
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	5.0713	5.56	0.08	920345			



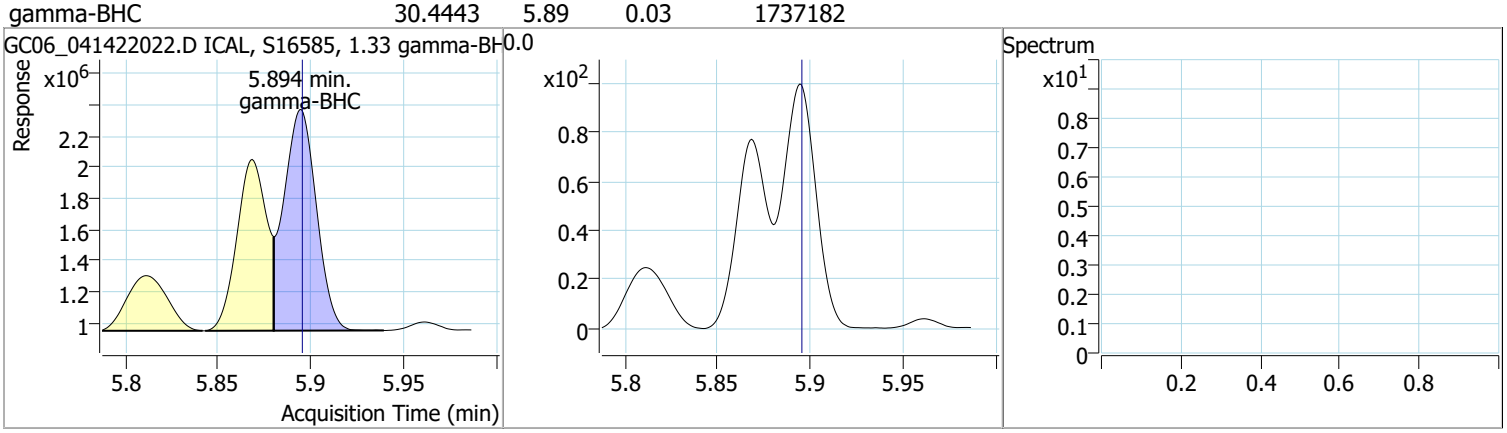
Compound	Conc.		Exp Ratio
alpha-BHC	N.D.	5.55	



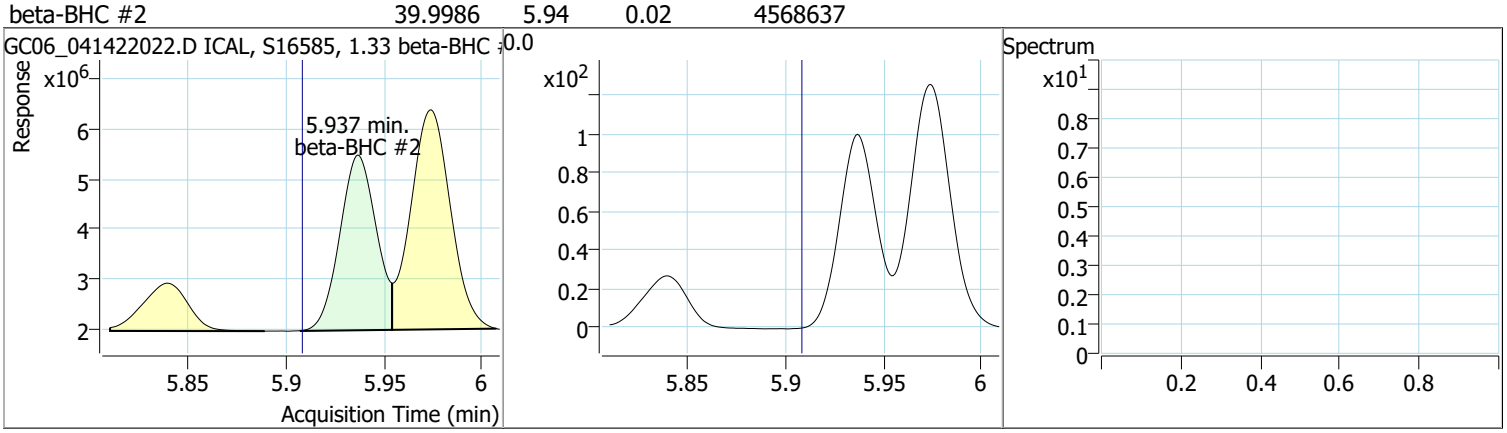
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	7.6574	5.84	0.00	1416221			



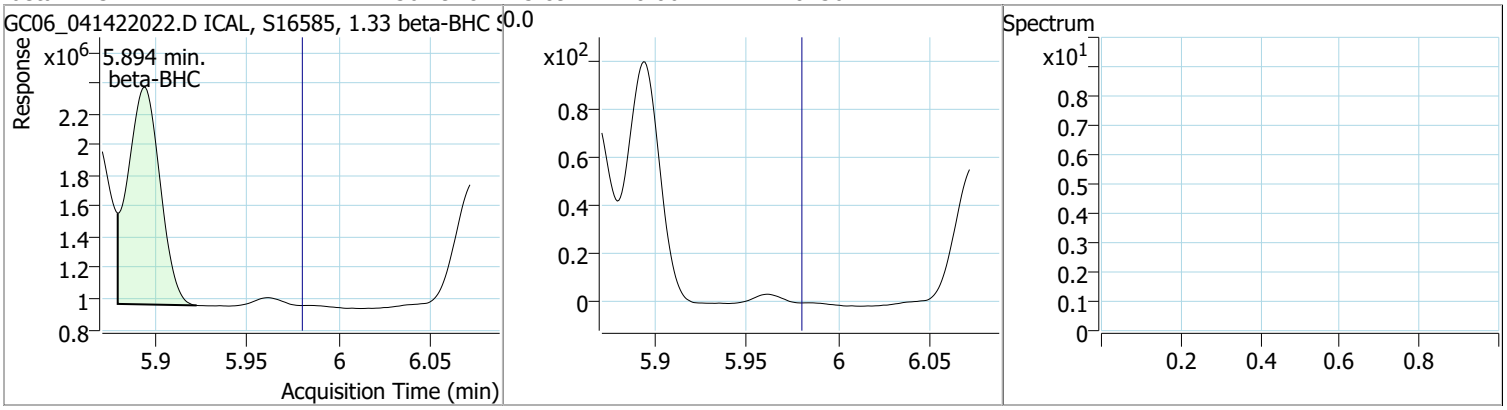
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	30.4443	5.89	0.03	1737182			



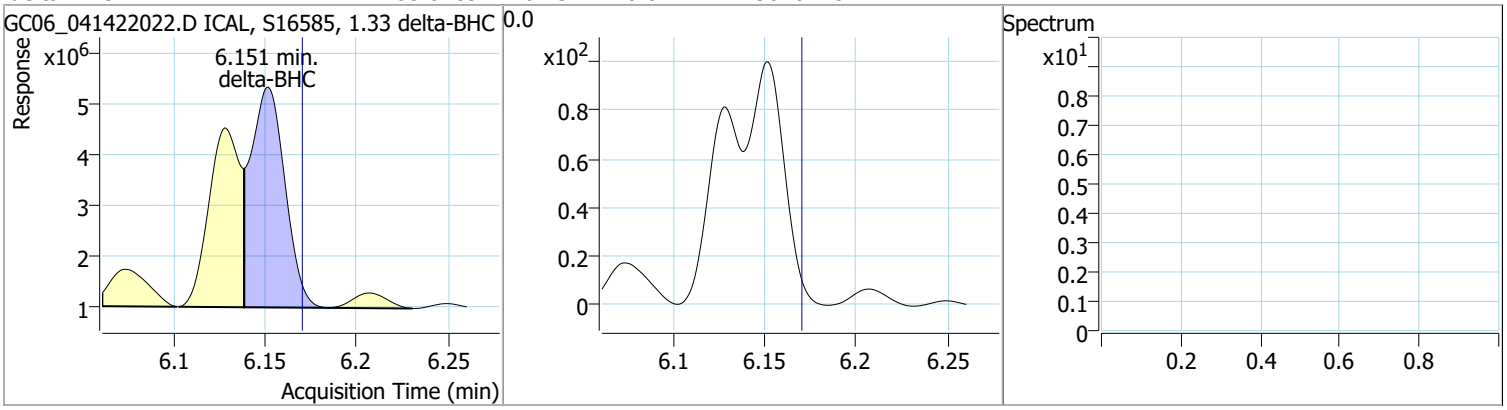
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	39.9986	5.94	0.02	4568637			



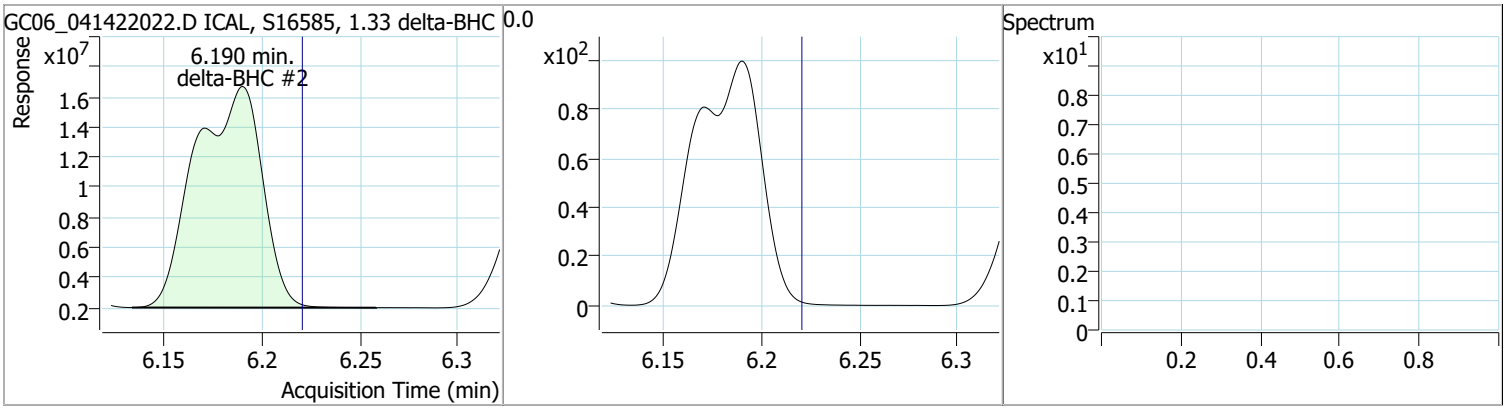
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	56.1918	5.89	-0.06	1710136			



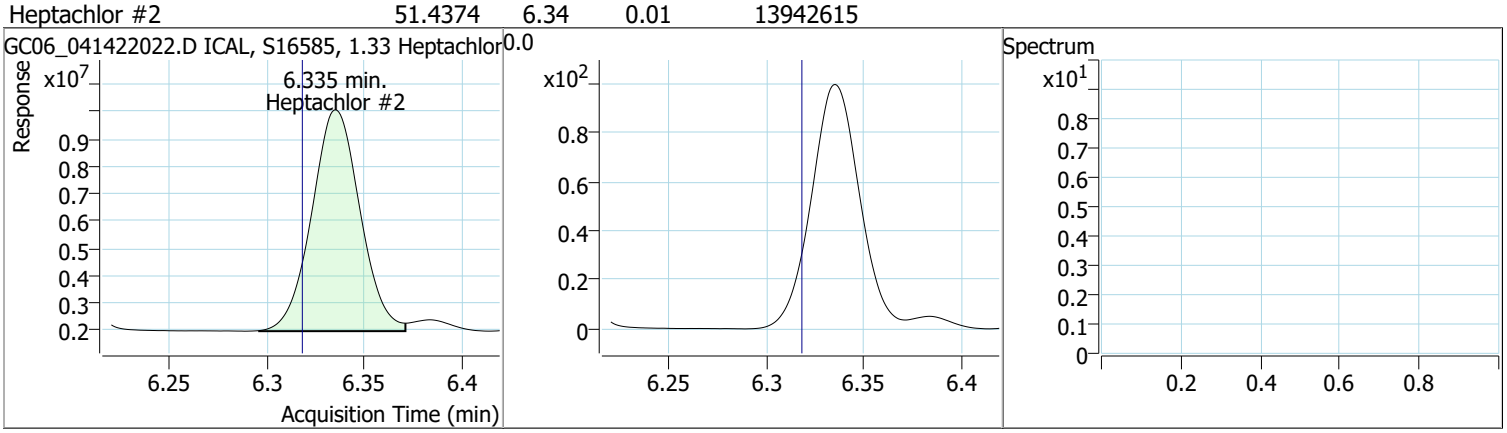
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	68.0469	6.15	0.01	5620220			



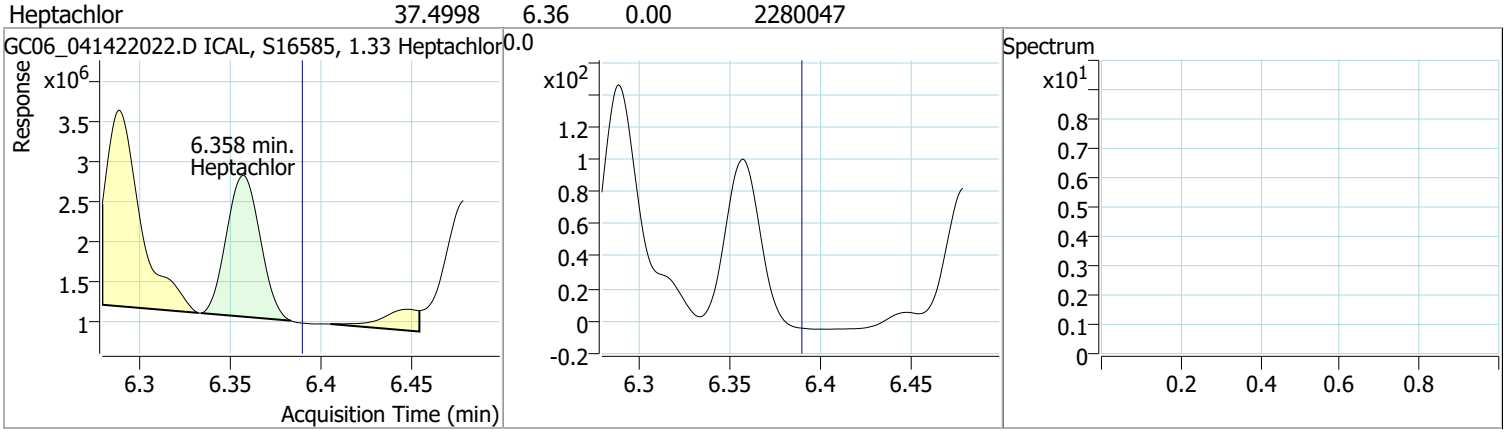
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	84.7155	6.19	-0.03	35209398			



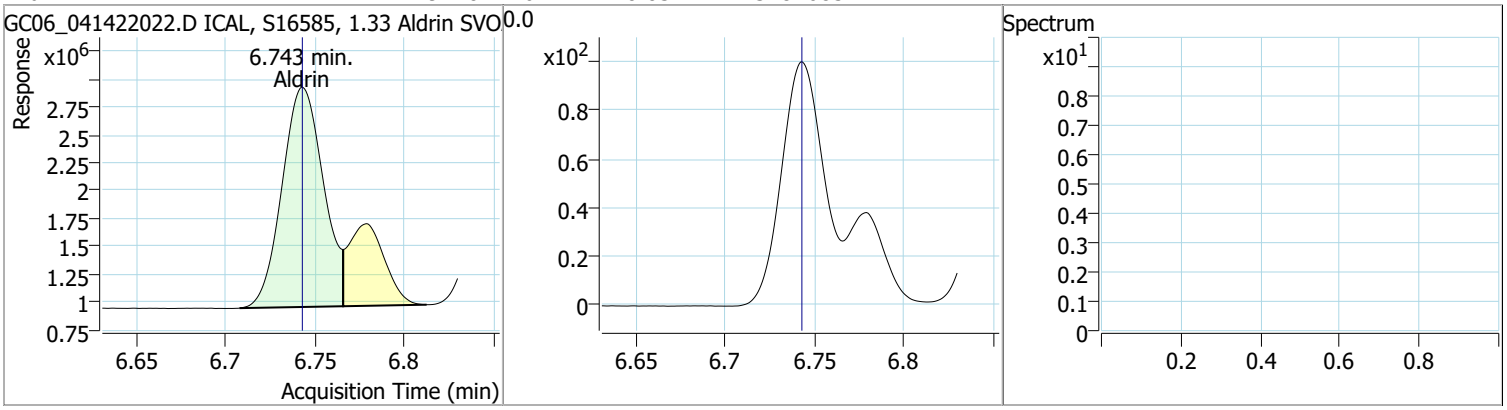
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	51.4374	6.34	0.01	13942615			



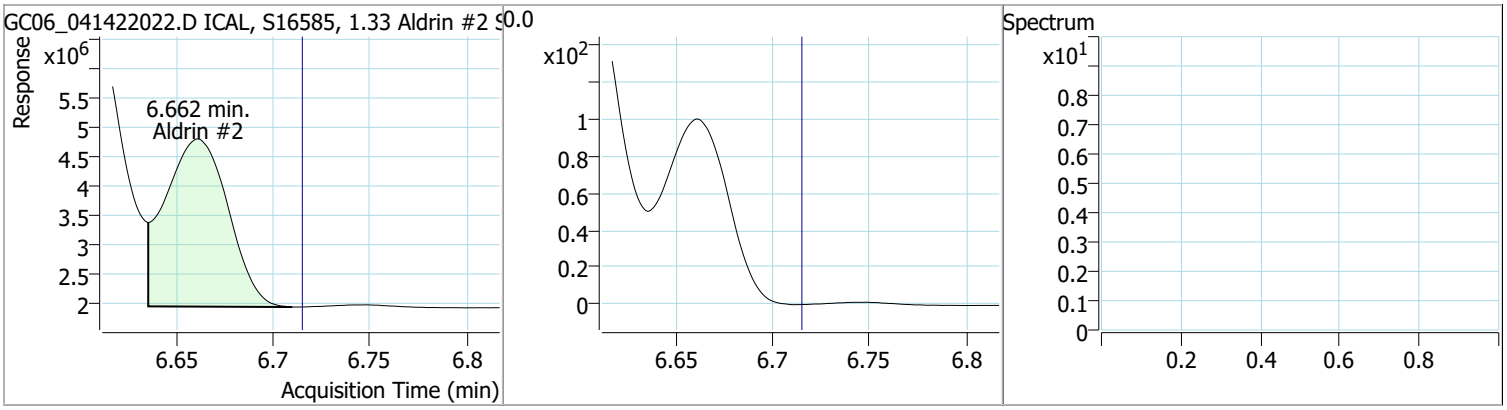
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	37.4998	6.36	0.00	2280047			



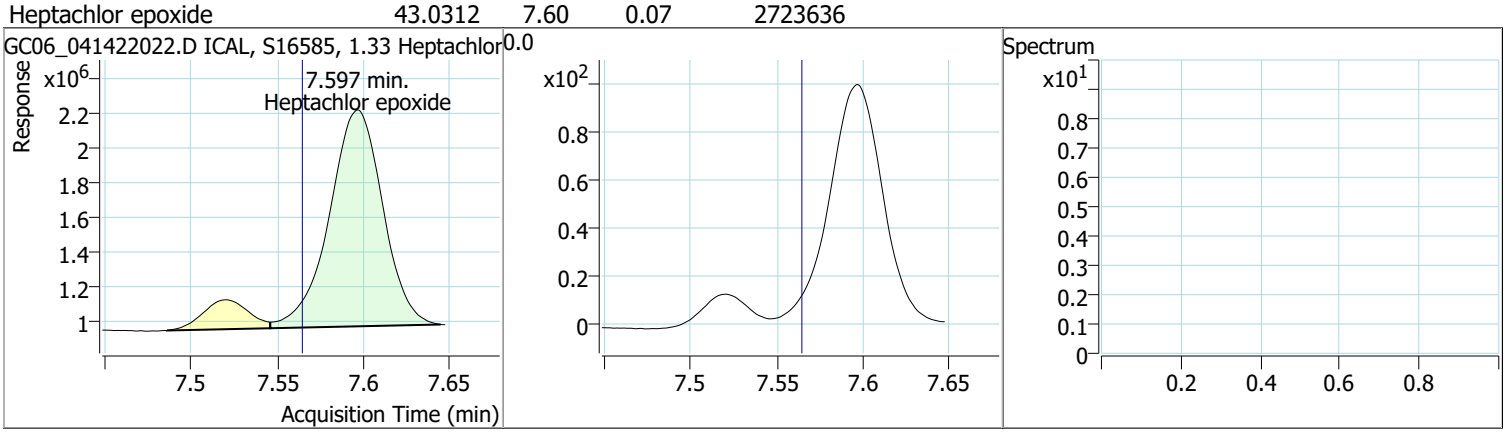
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	47.9170	6.74	0.03	3182685			



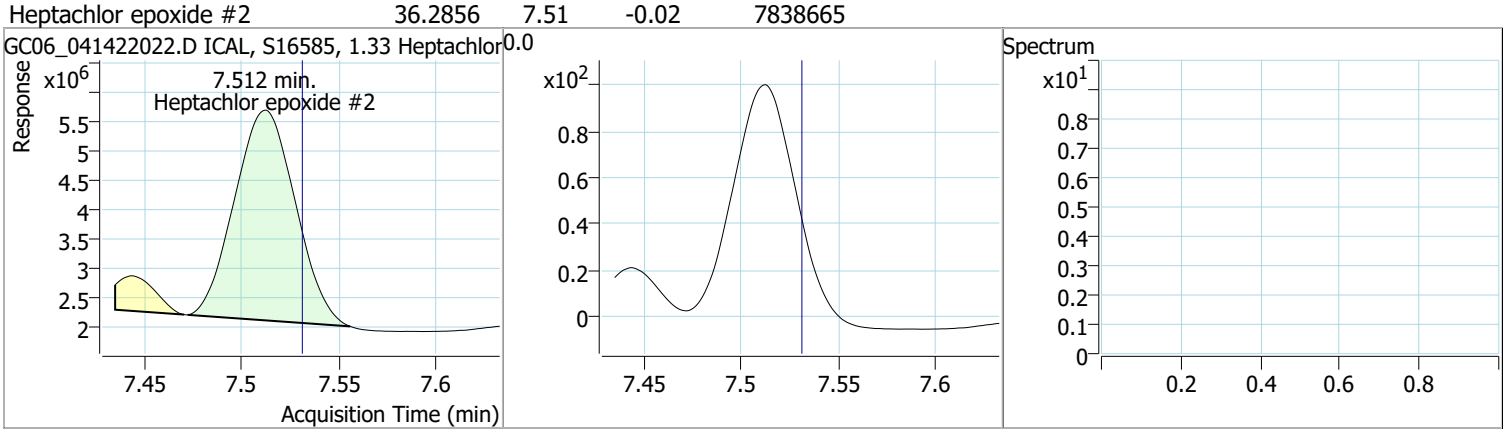
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	32.1876	6.66	-0.06	6459364			



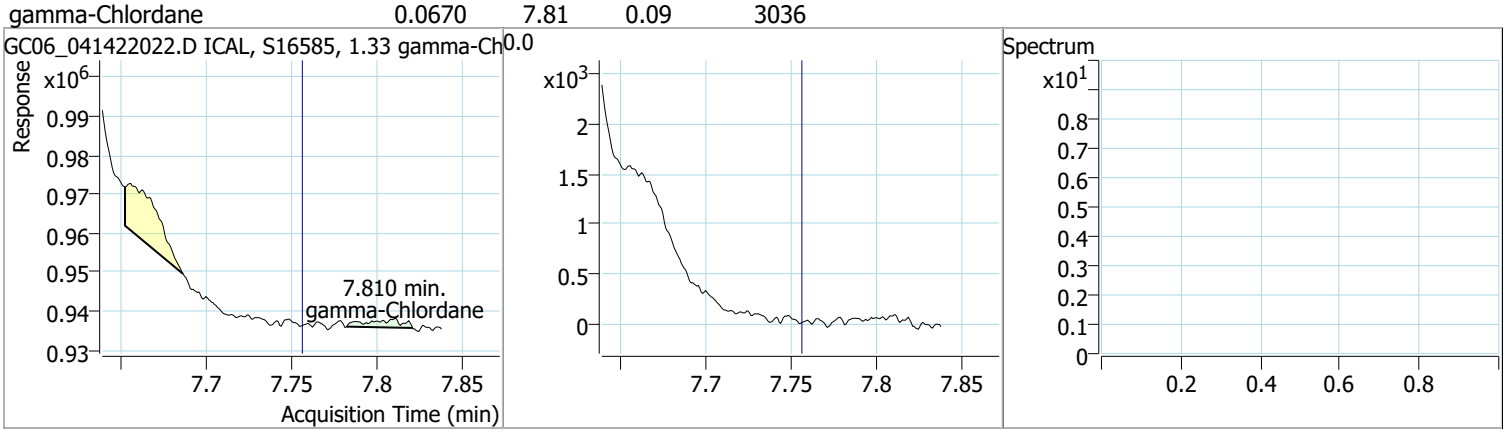
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	43.0312	7.60	0.07	2723636			



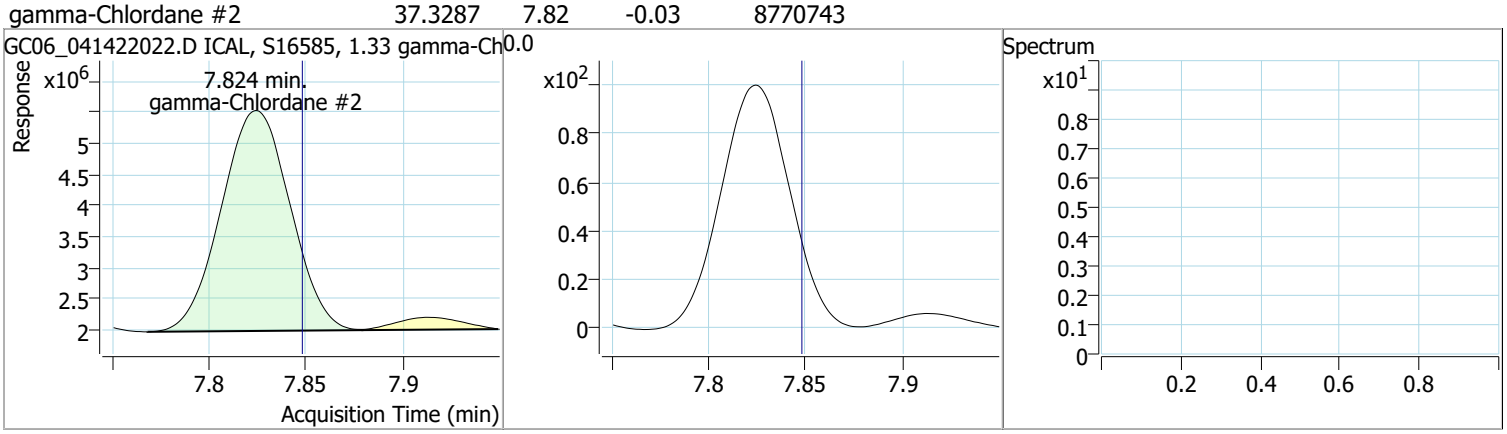
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	36.2856	7.51	-0.02	7838665			



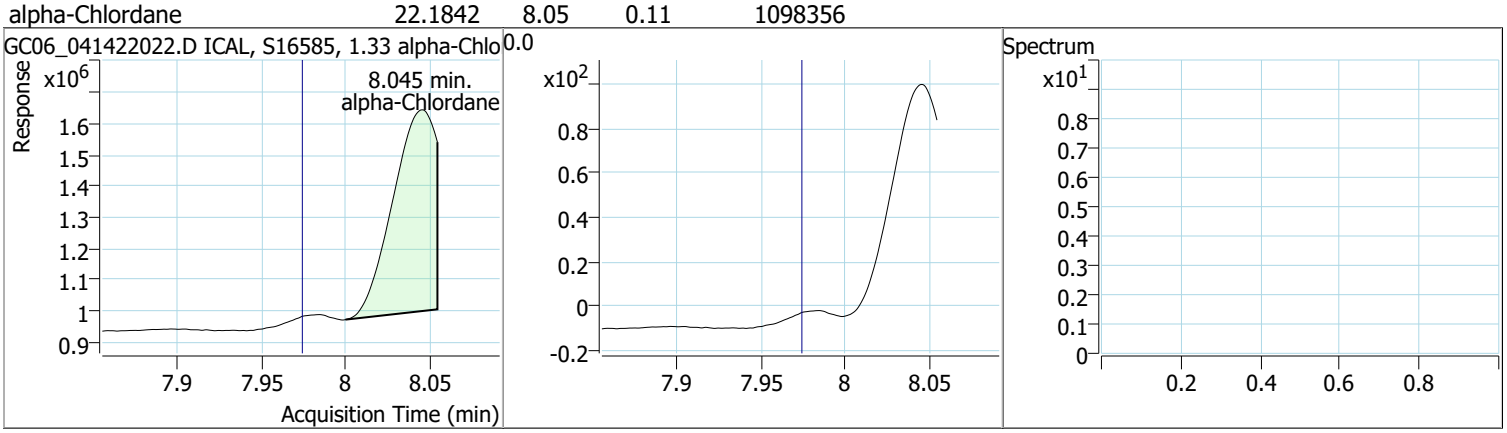
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0670	7.81	0.09	3036			



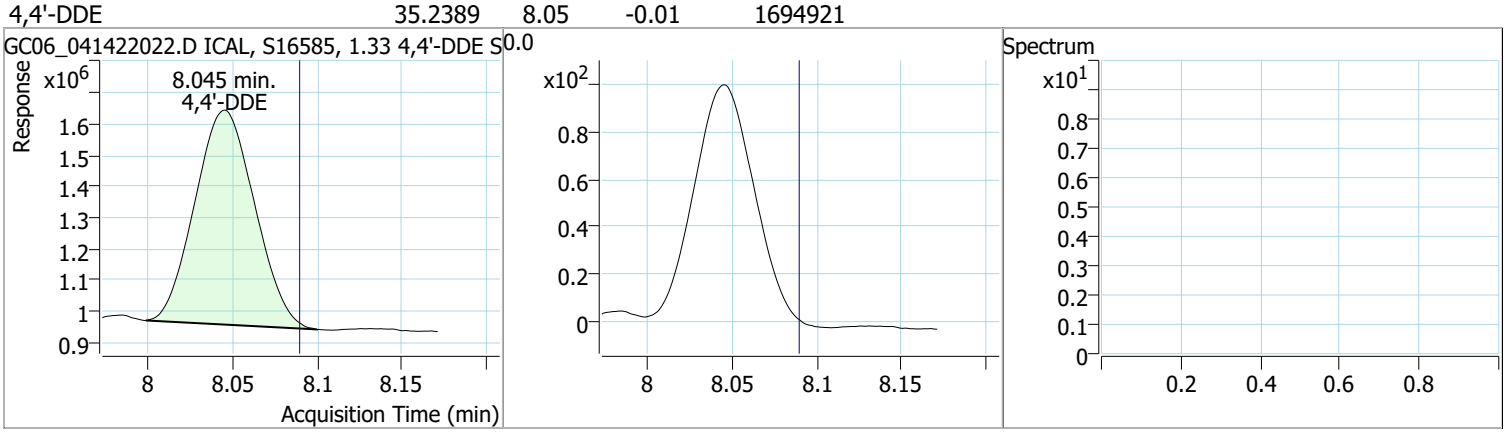
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	37.3287	7.82	-0.03	8770743			



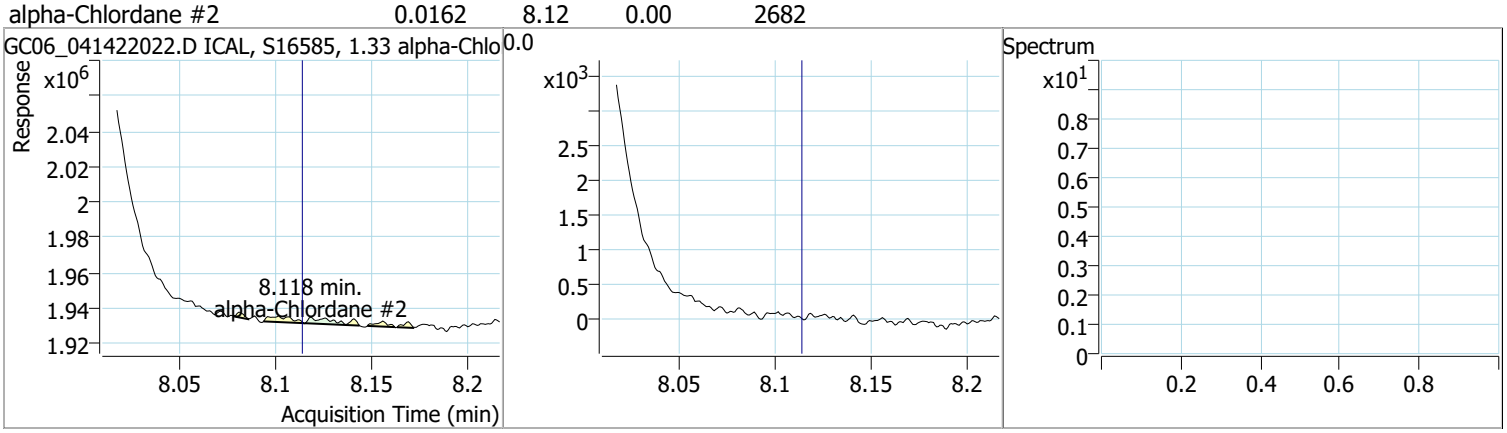
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	22.1842	8.05	0.11	1098356			



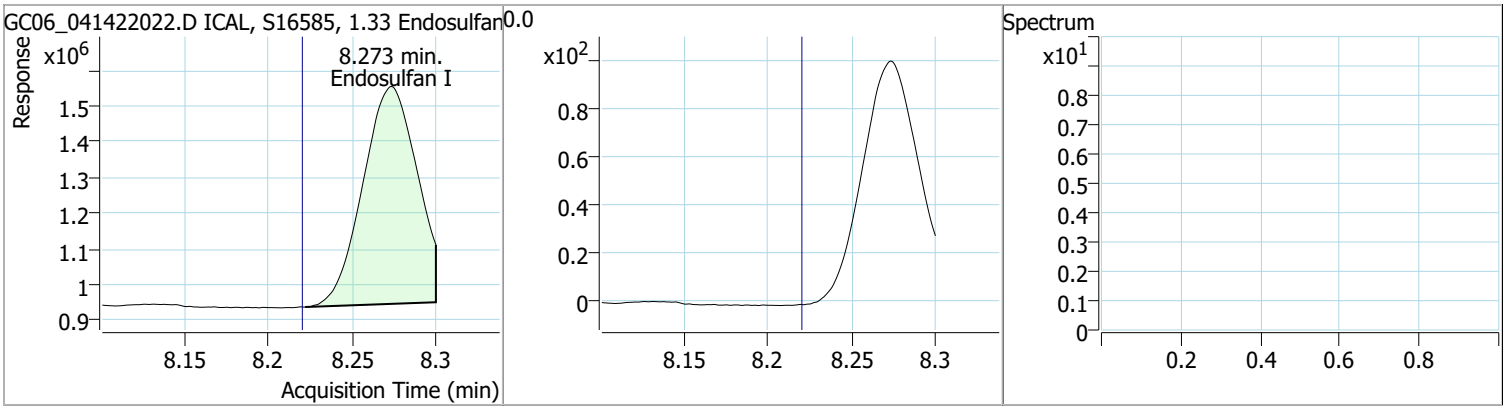
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	35.2389	8.05	-0.01	1694921			



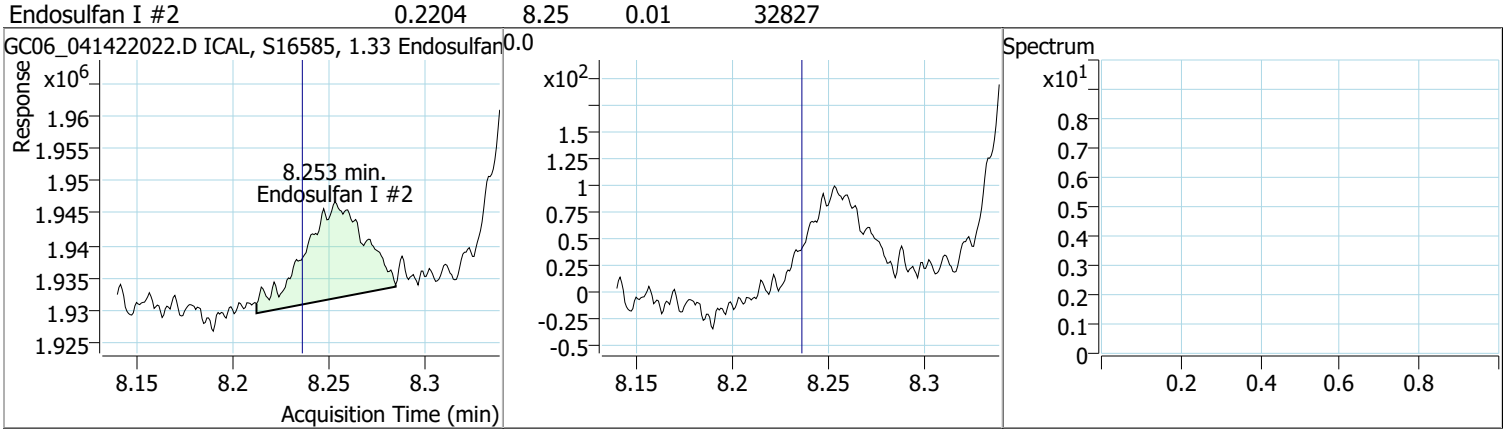
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0162	8.12	0.00	2682		



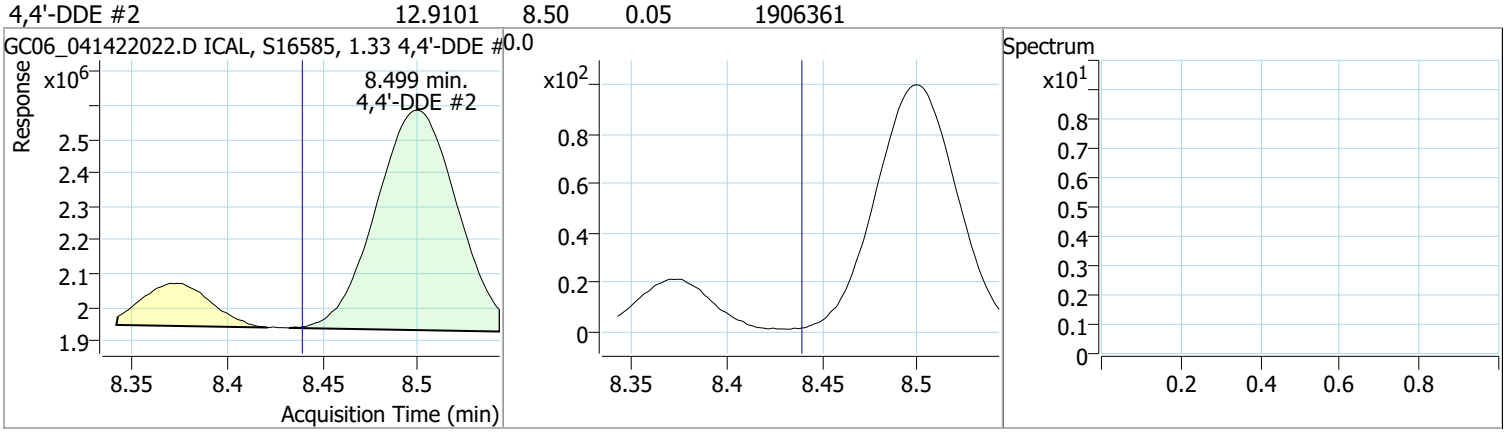
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	28.6798	8.27	0.09	1358875		



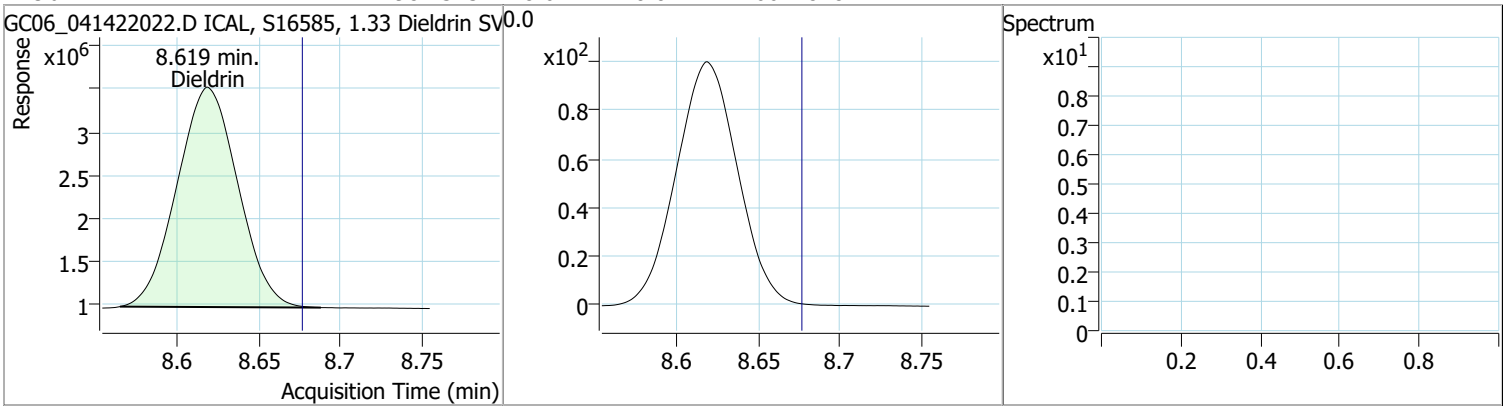
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.2204	8.25	0.01	32827		



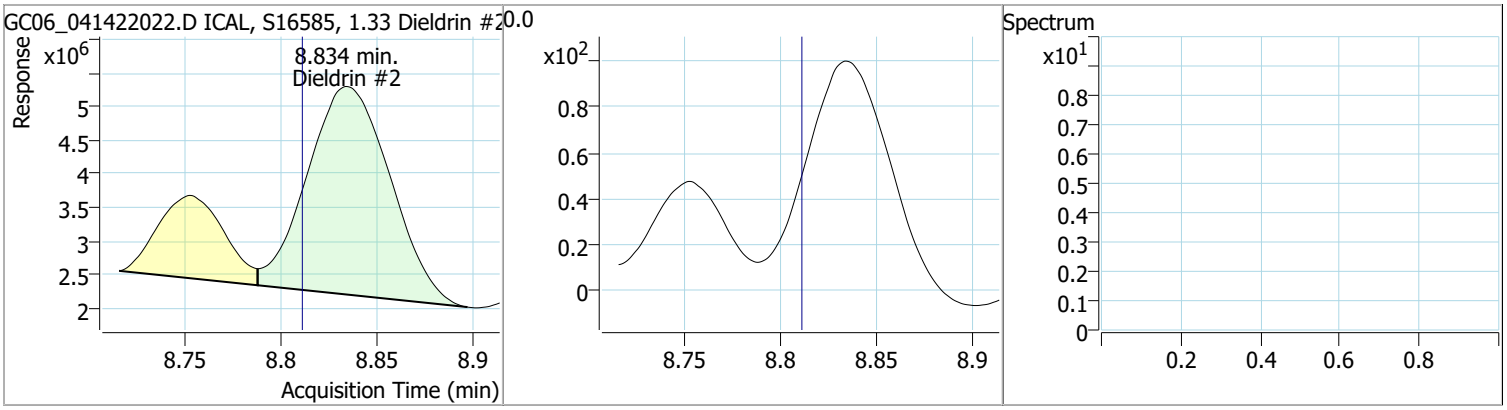
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	12.9101	8.50	0.05	1906361		



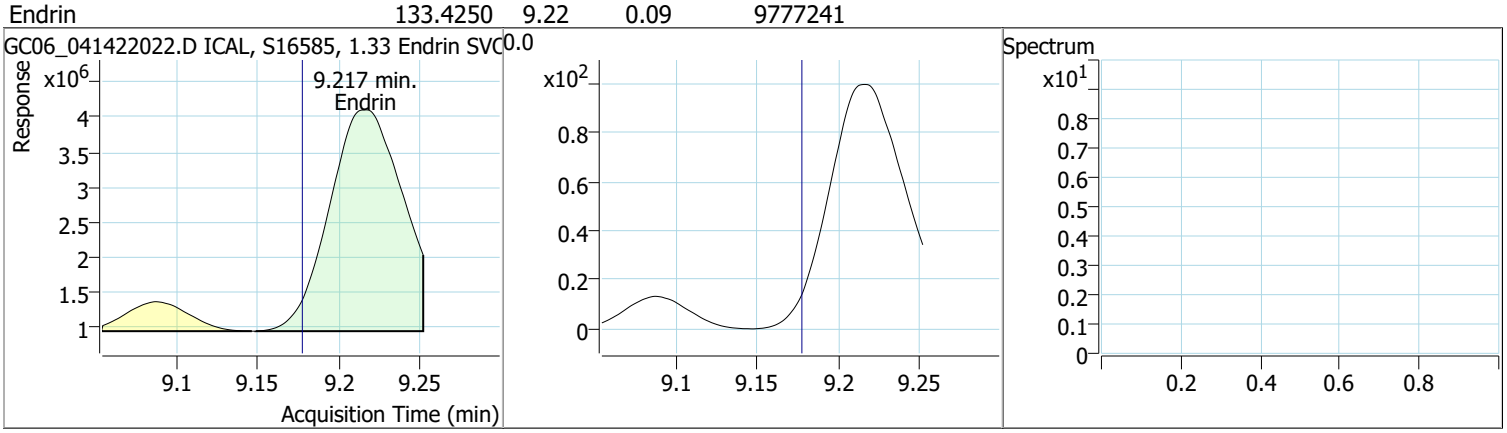
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	98.2375	8.62	-0.01	6612828			



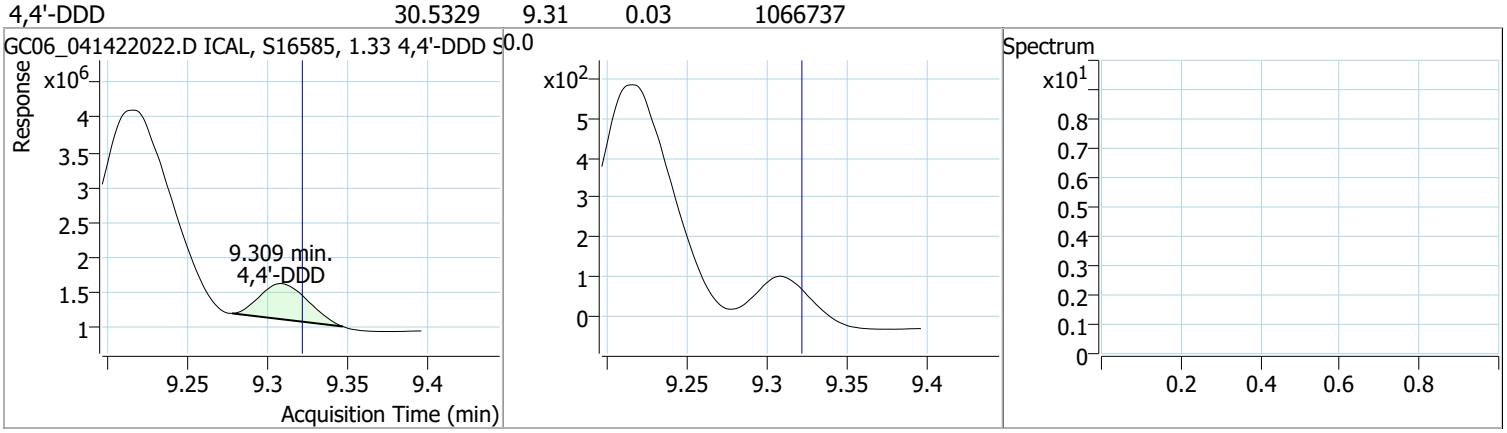
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	51.0192	8.83	0.02	9357717			



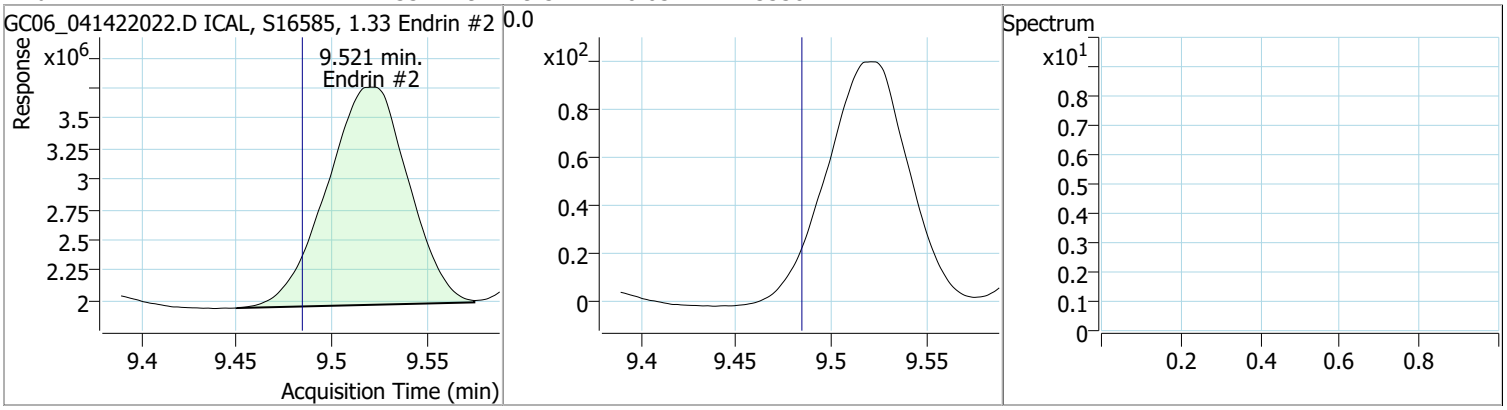
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	133.4250	9.22	0.09	9777241			



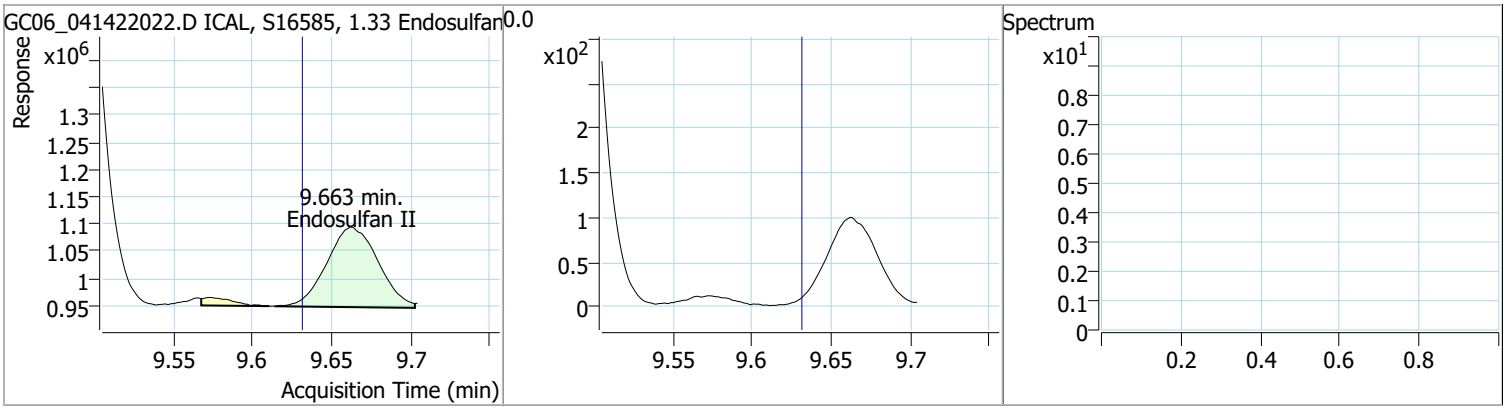
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	30.5329	9.31	0.03	1066737			



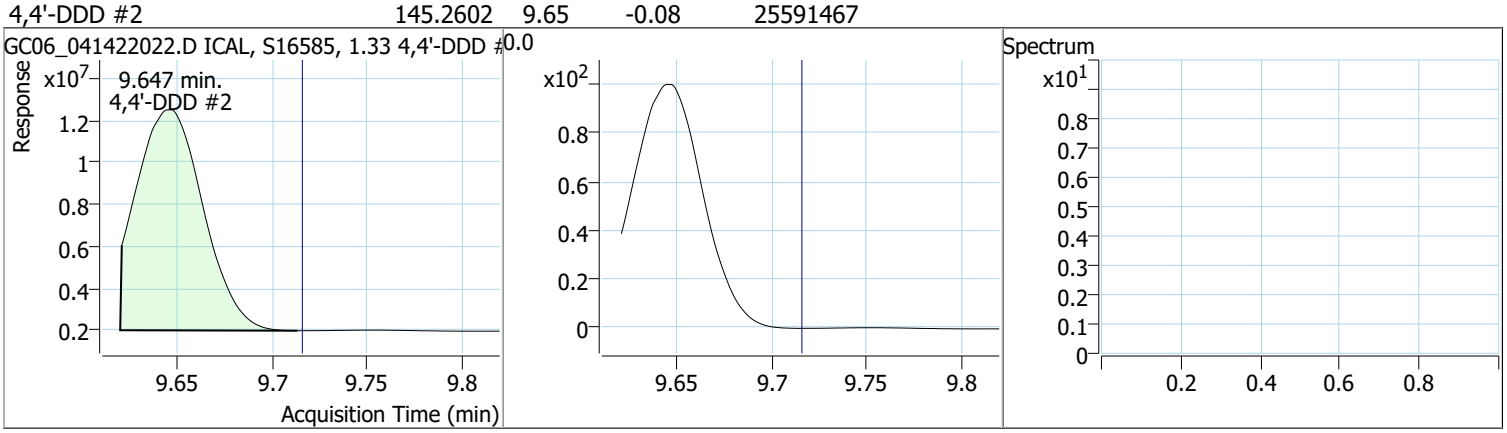
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	33.4429	9.52	0.03	5338414			



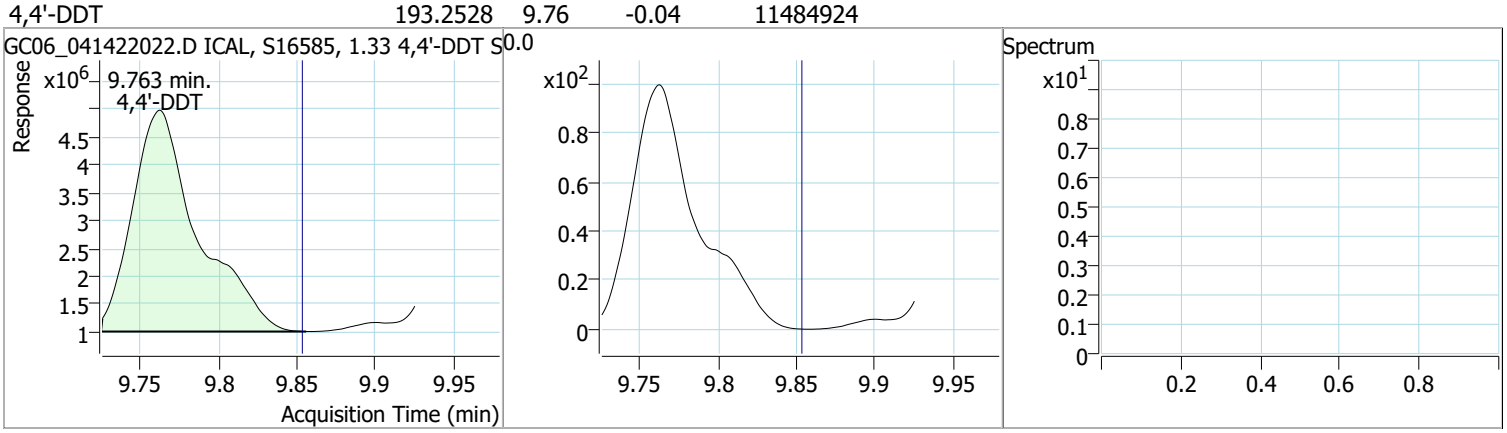
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	7.6524	9.66	0.08	331711			



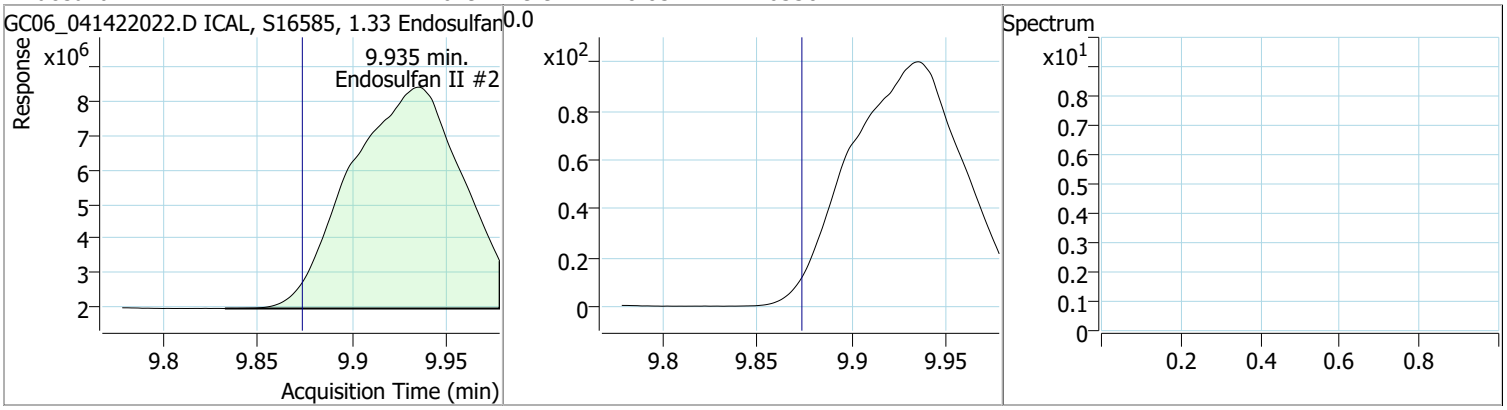
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	145.2602	9.65	-0.08	25591467			



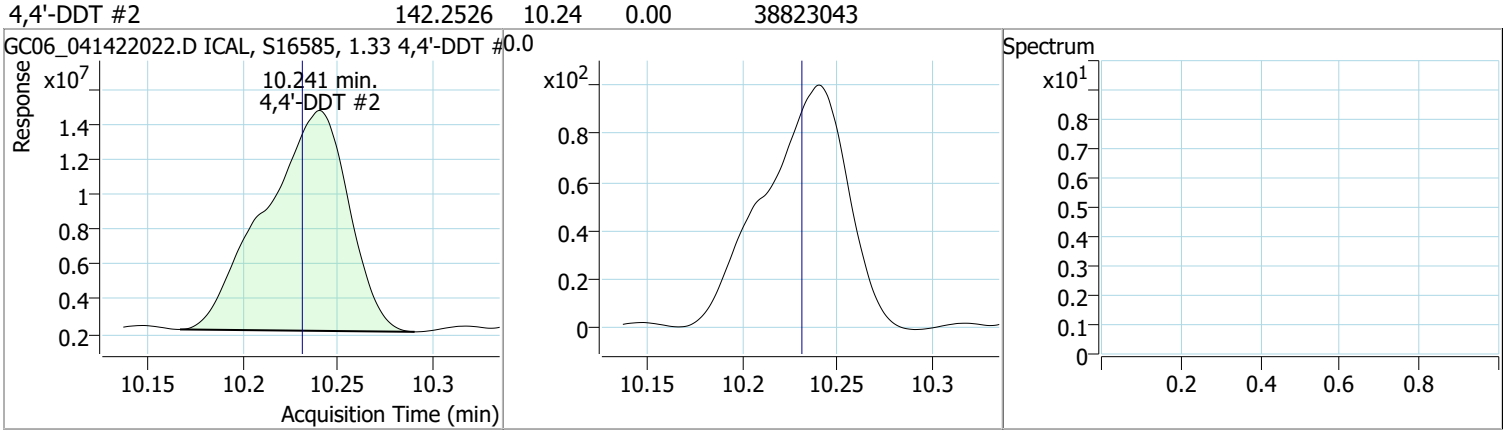
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	193.2528	9.76	-0.04	11484924			



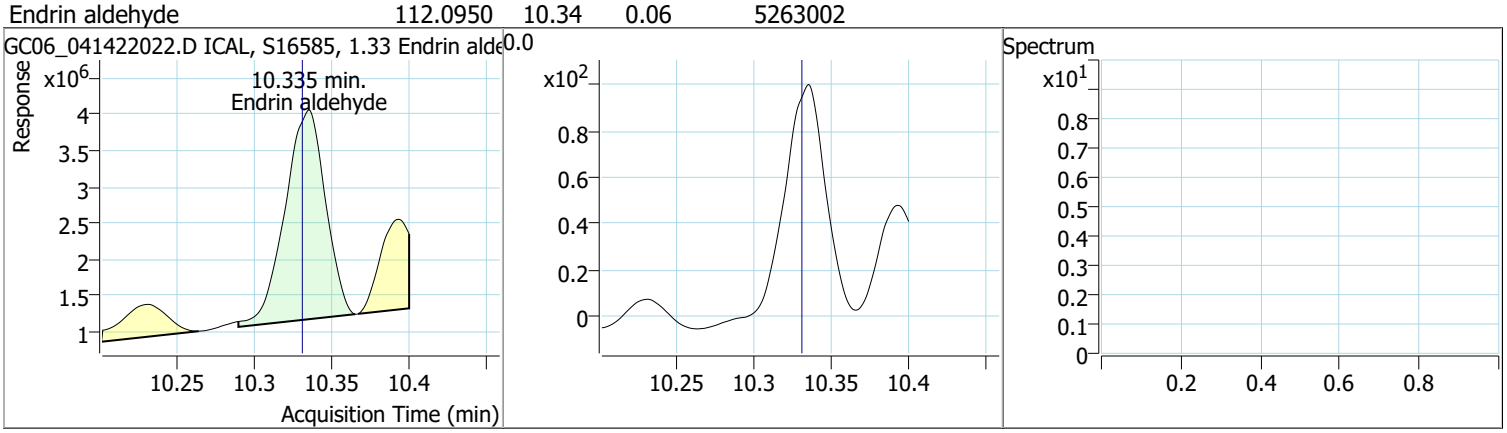
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	111.6491	9.94	0.05	26330722			



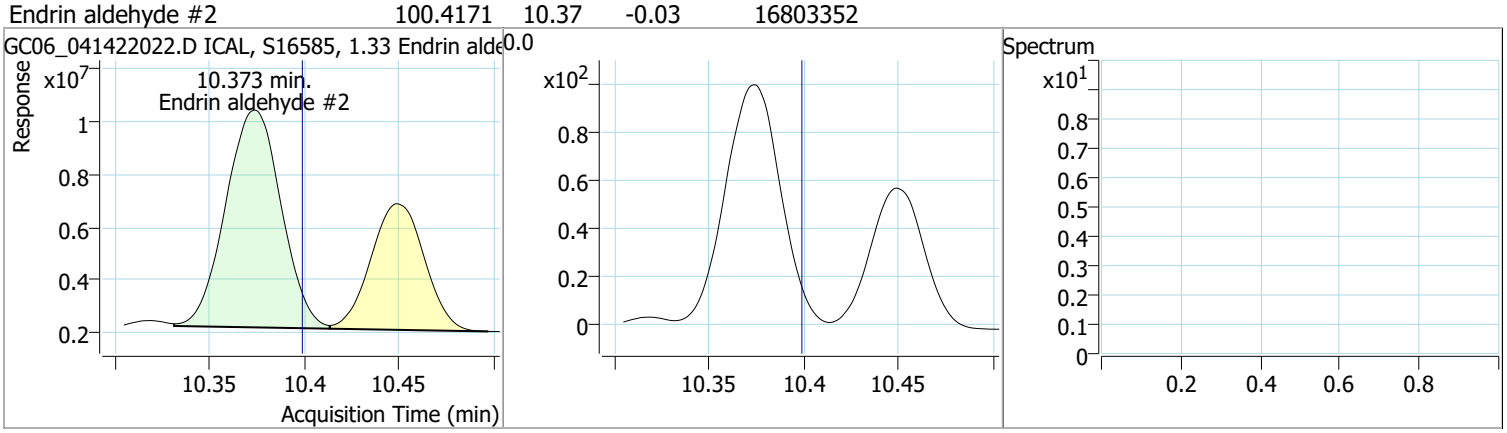
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	142.2526	10.24	0.00	38823043			



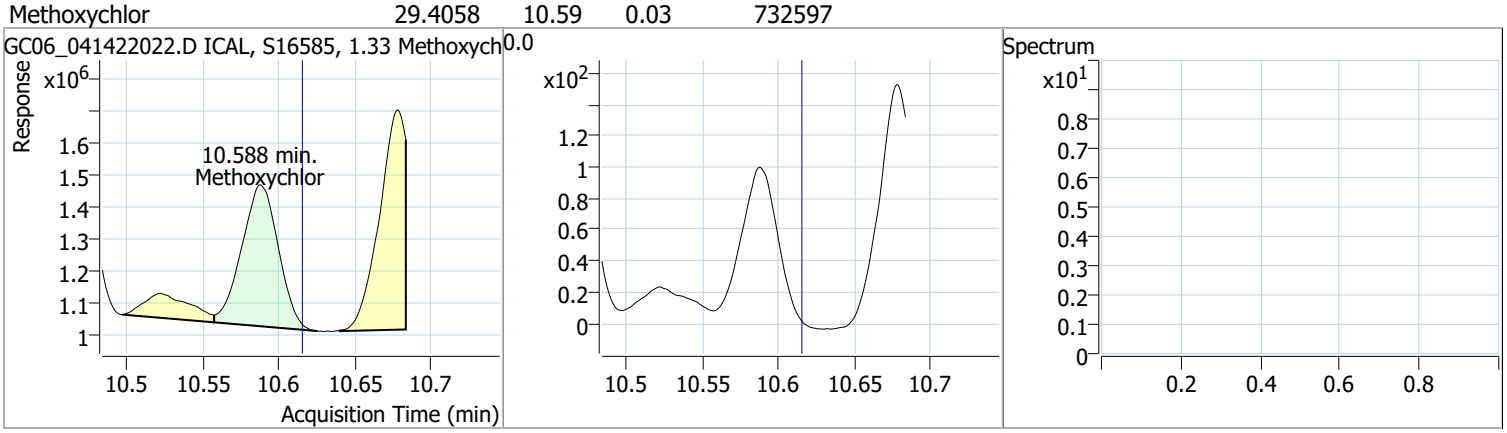
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	112.0950	10.34	0.06	5263002			



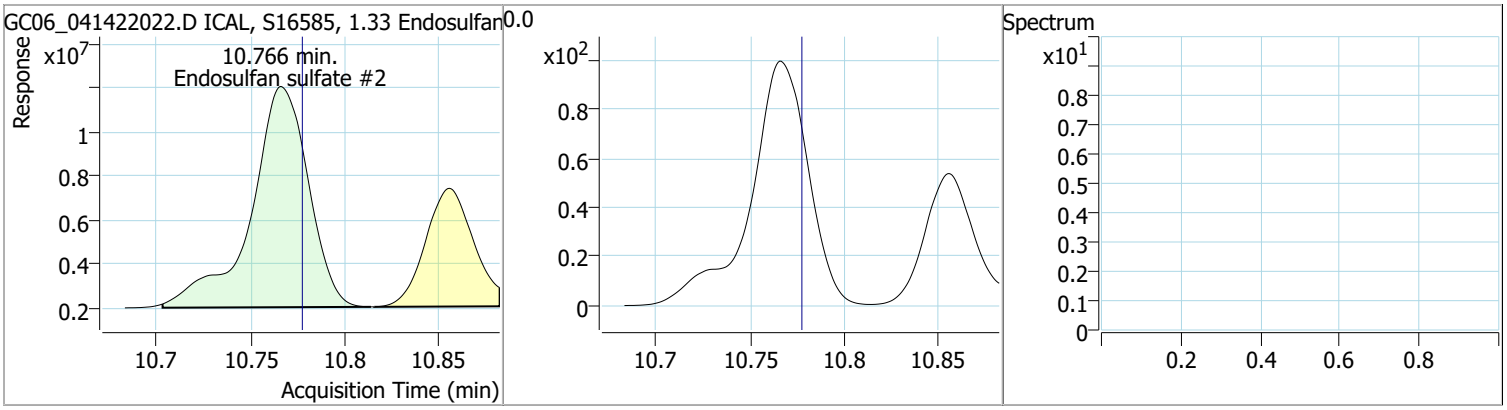
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	100.4171	10.37	-0.03	16803352			



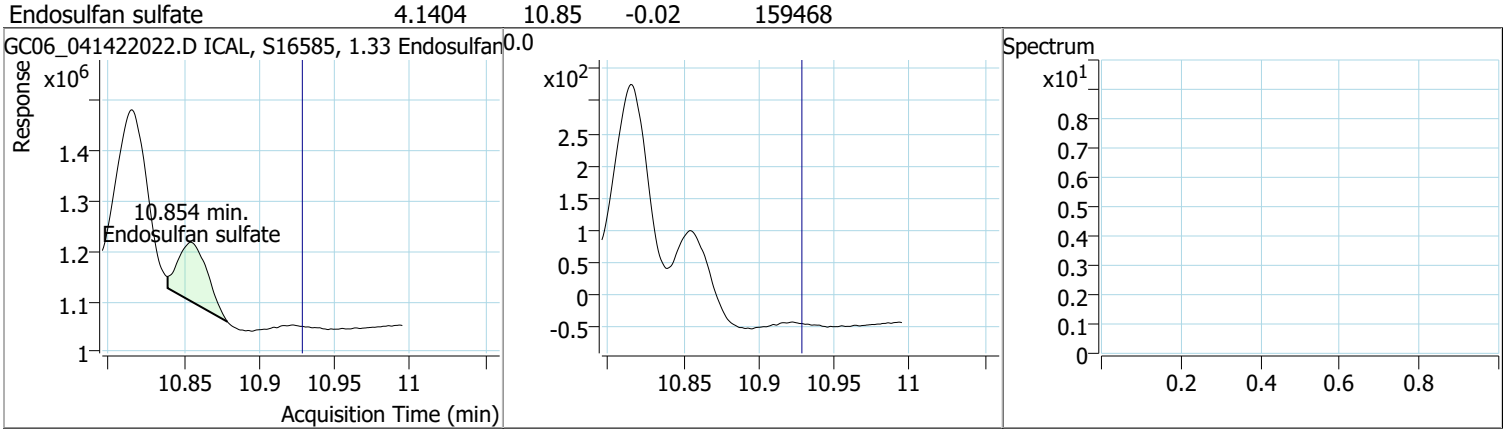
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	29.4058	10.59	0.03	732597			



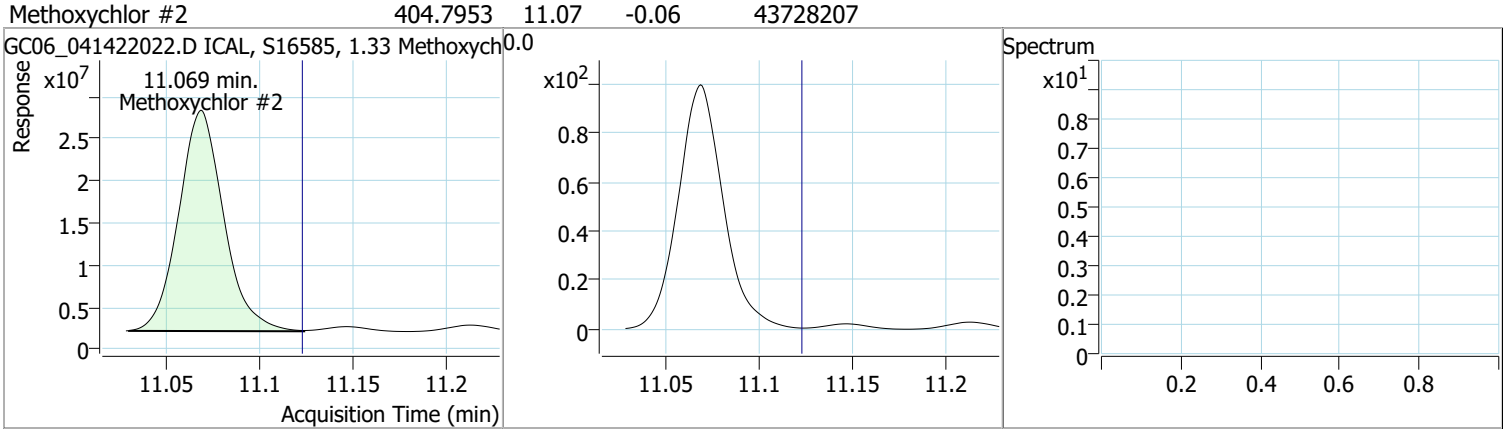
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	108.8634	10.77	-0.02	21350803			



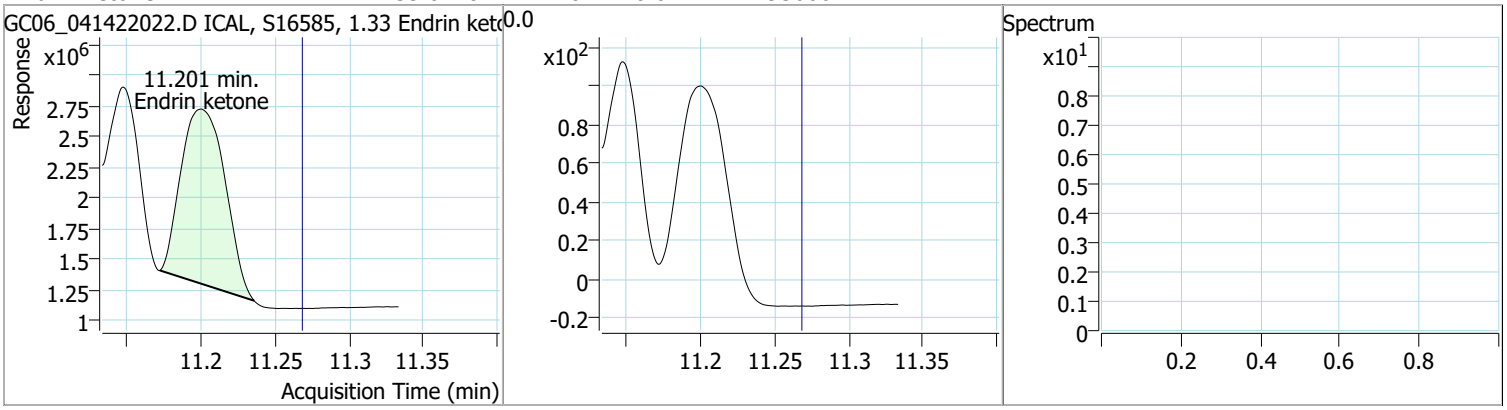
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	4.1404	10.85	-0.02	159468			



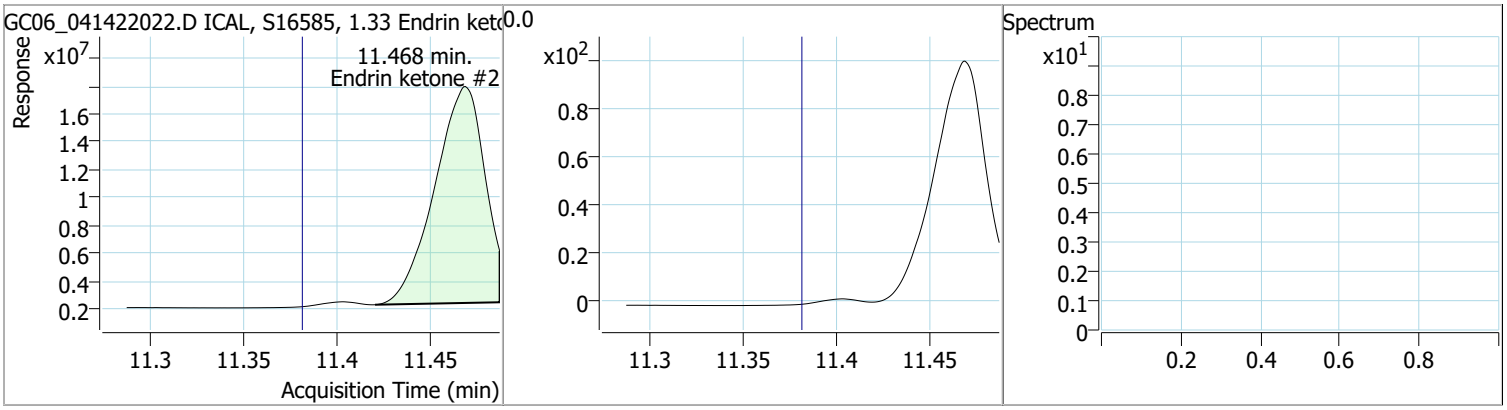
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	404.7953	11.07	-0.06	43728207			



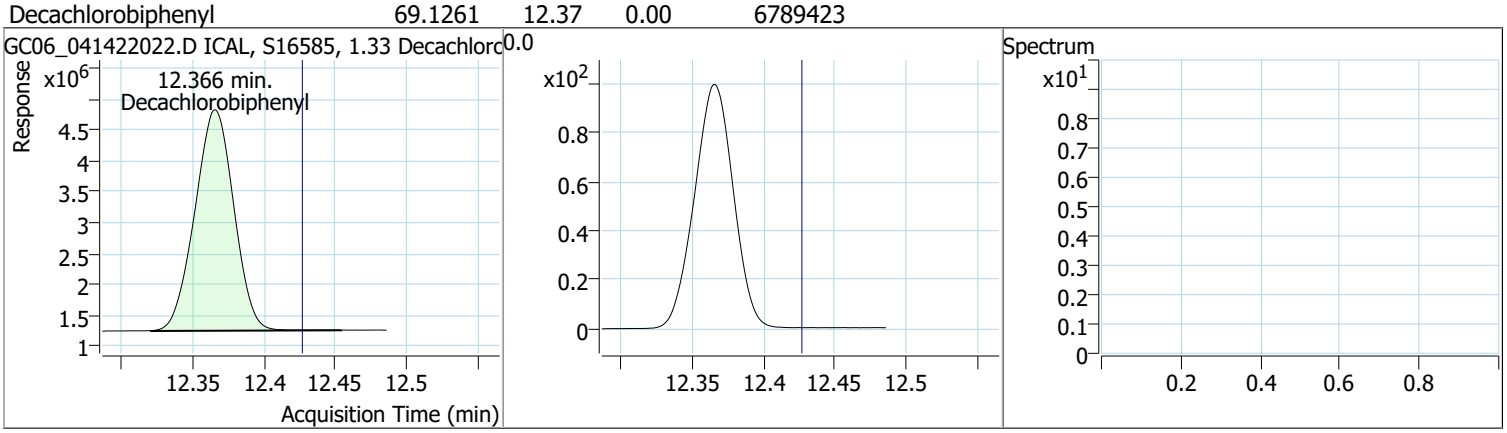
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	53.0210	11.20	-0.01	2936002			



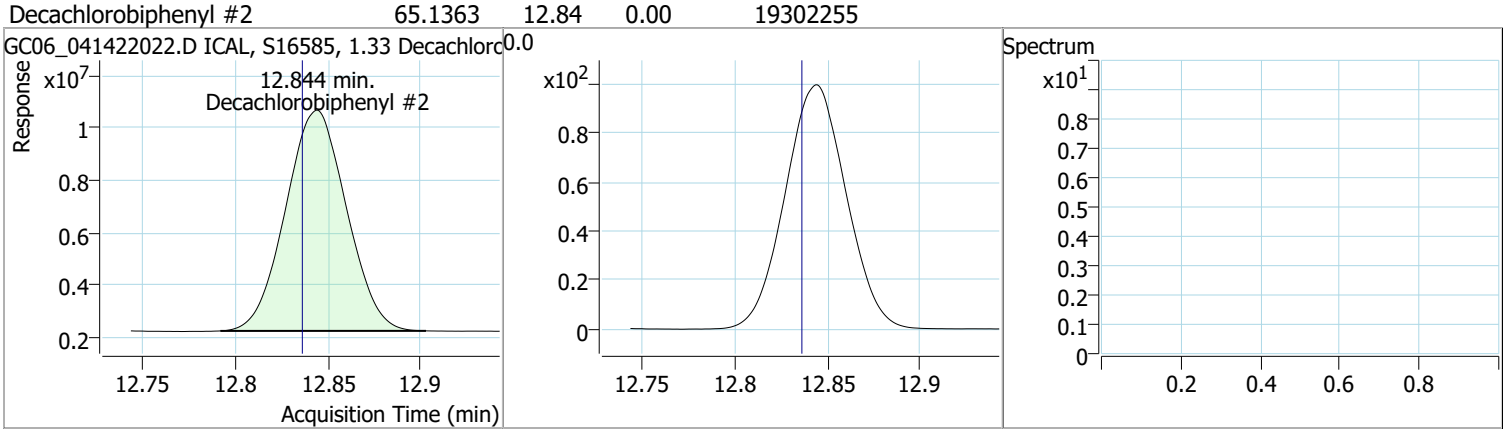
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	114.7893	11.47	0.08	28593437			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	69.1261	12.37	0.00	6789423			

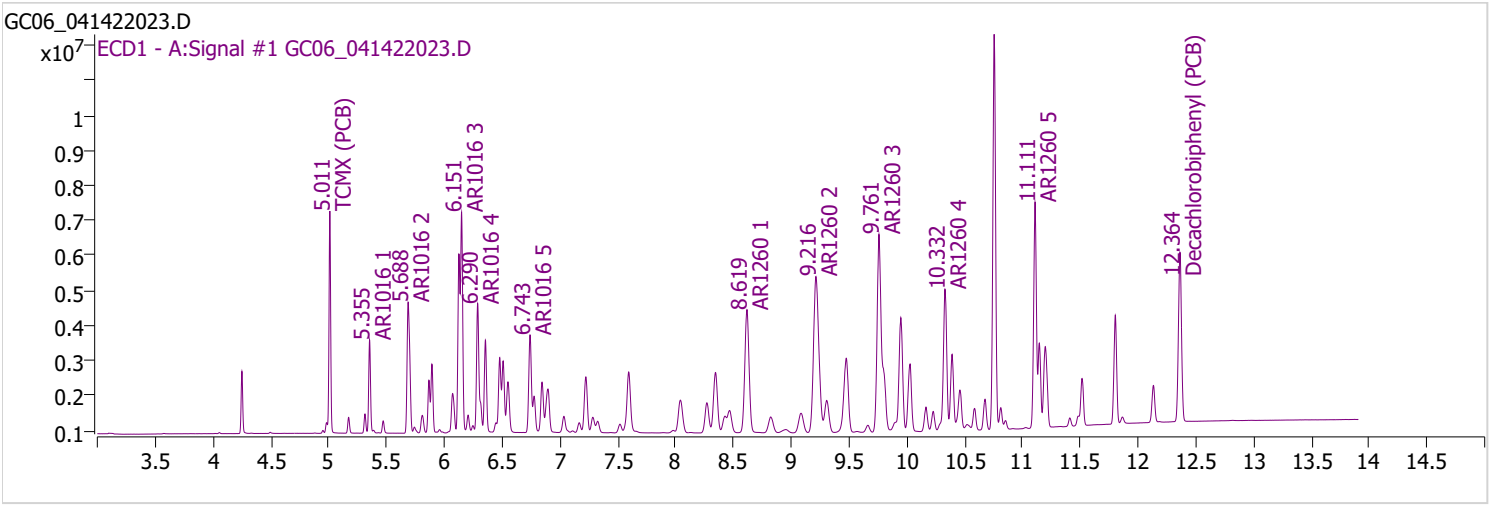


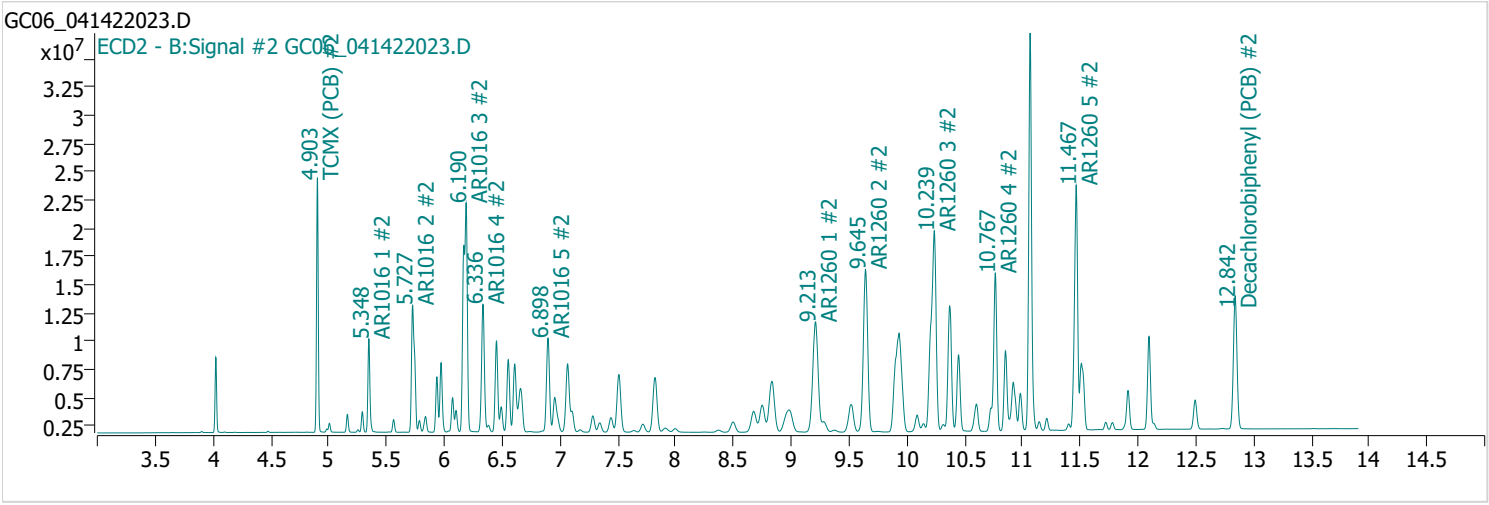
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	65.1363	12.84	0.00	19302255			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422023.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 9:01:51 PM
Sample Name	ICAL, S16585, 1	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 119	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



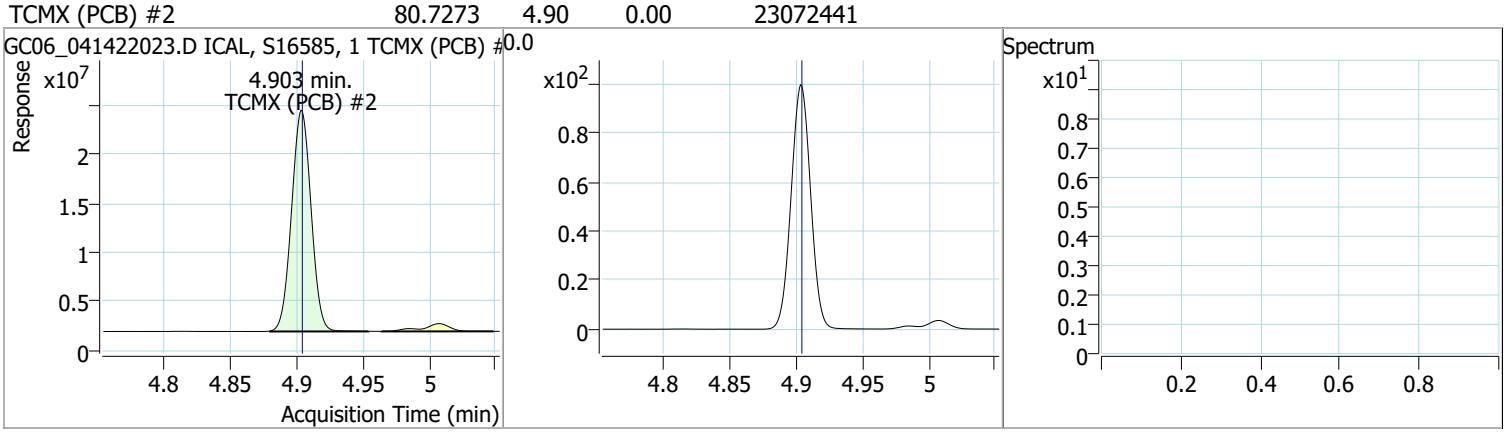


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.251	4.025	1728200	6239853	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.011	4.903	6326720	23072441	76.109	80.727	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	380.55% *	403.64% *	
S Decachlorobiphenyl (PCB)	12.364	12.842	8981647	25771825	68.352	68.446	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	341.76% *	342.23% *	
Target Compounds							
T AR1016 1	5.355	5.348	2929621	10090873	1733.008	1726.875	ng/ml
T AR1016 2	5.688	5.727	6182408	21228359	1679.632	1750.565	ng/ml
T AR1016 3	6.151	6.190	7982433	29510280 m	1842.689	1845.253	ng/ml
T AR1016 4	6.290	6.336	5804825	19279898	1790.637	1776.968	ng/ml
T AR1016 5	6.743	6.898	4390712	15286645	1750.926	1802.095	ng/ml
T AR1260 1	8.619	9.213	9121847	31736730 m	1677.209	1680.482	ng/ml
T AR1260 2	9.216	9.645	14329665	37530247	1710.621	1719.867	ng/ml
T AR1260 3	9.761	10.239	16042802 m	53137458	1842.237	1792.328	ng/ml
T AR1260 4	10.332	10.767	7597633	28812281	1754.273	1795.986	ng/ml

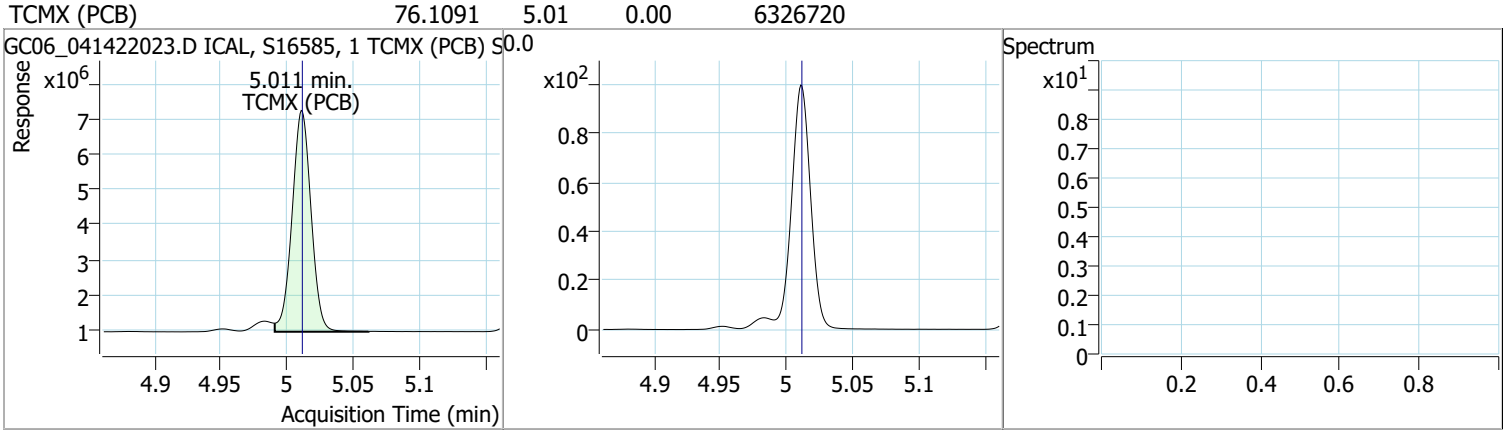
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.111	11.467	10625267	42001201	1853.637	1775.789	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

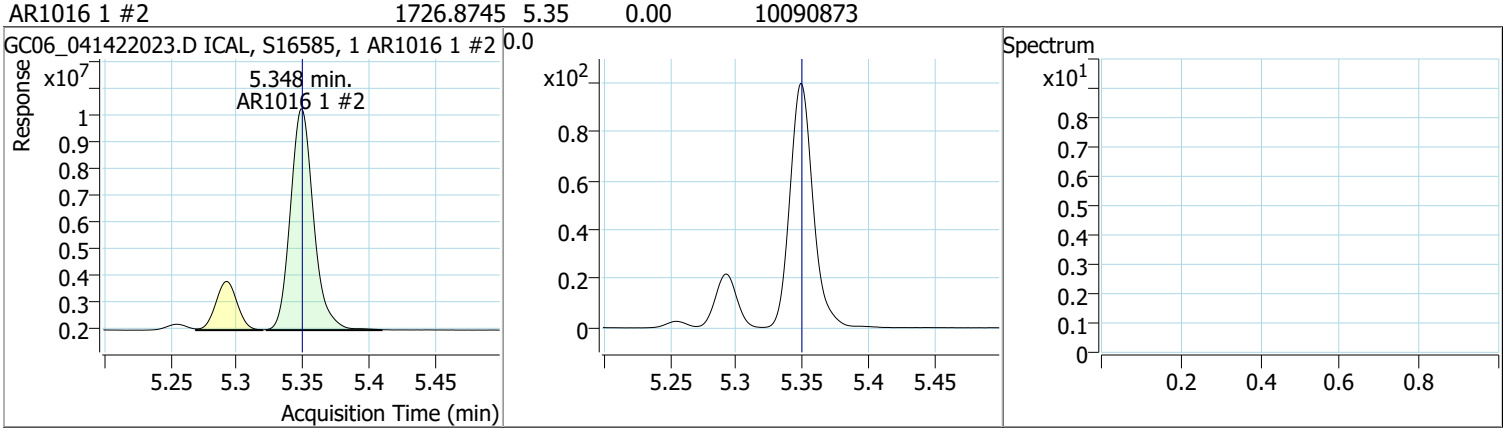
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	80.7273	4.90	0.00	23072441			



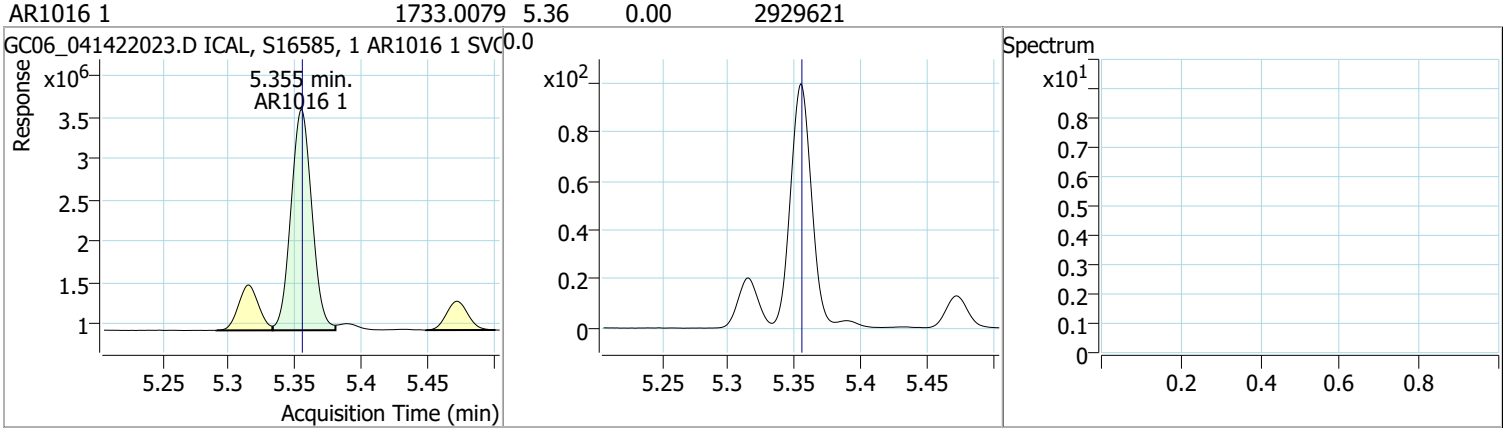
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	76.1091	5.01	0.00	6326720			



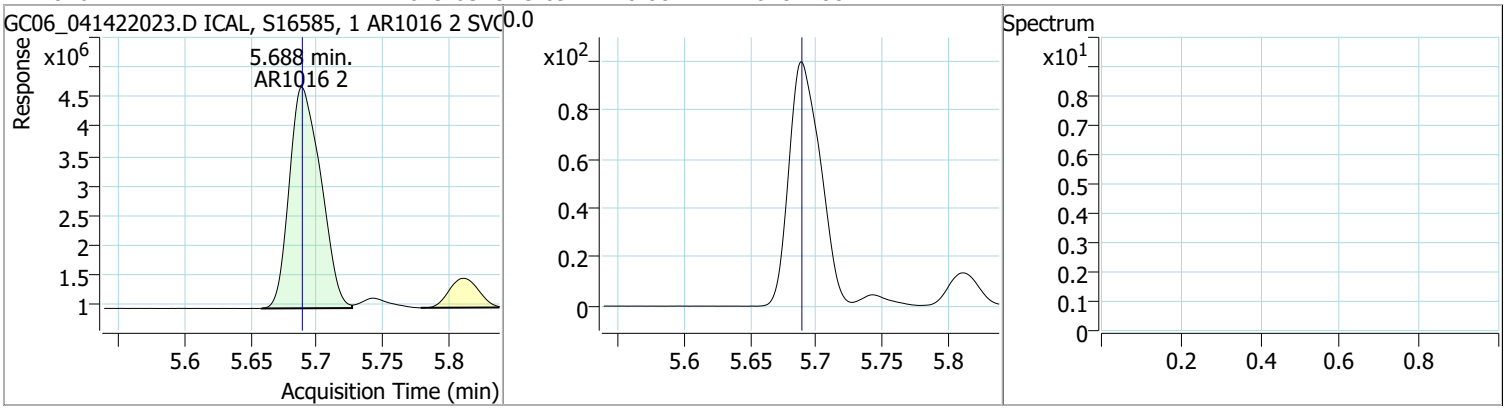
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	1726.8745	5.35	0.00	10090873			



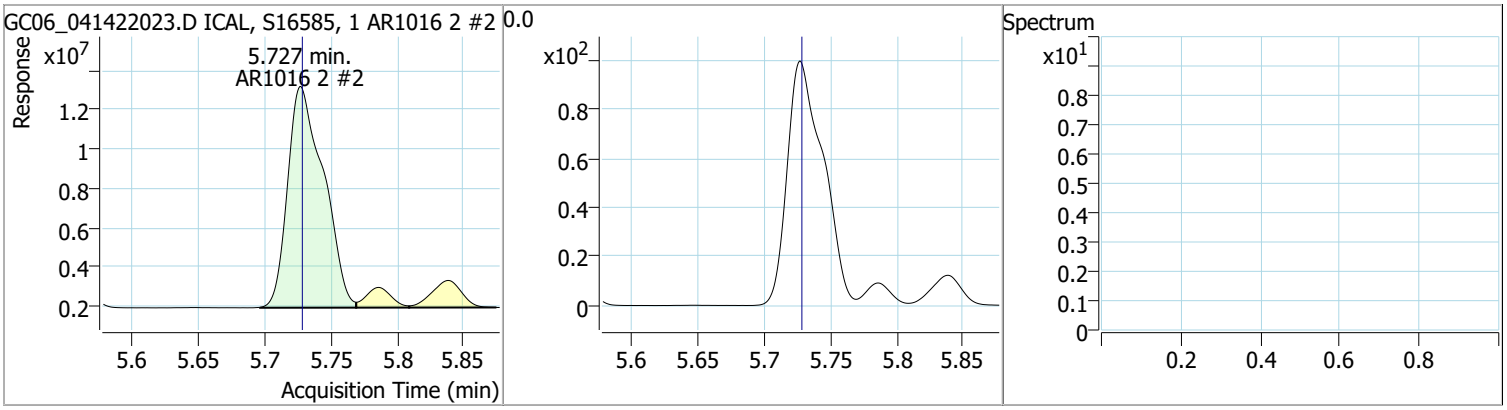
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	1733.0079	5.36	0.00	2929621			



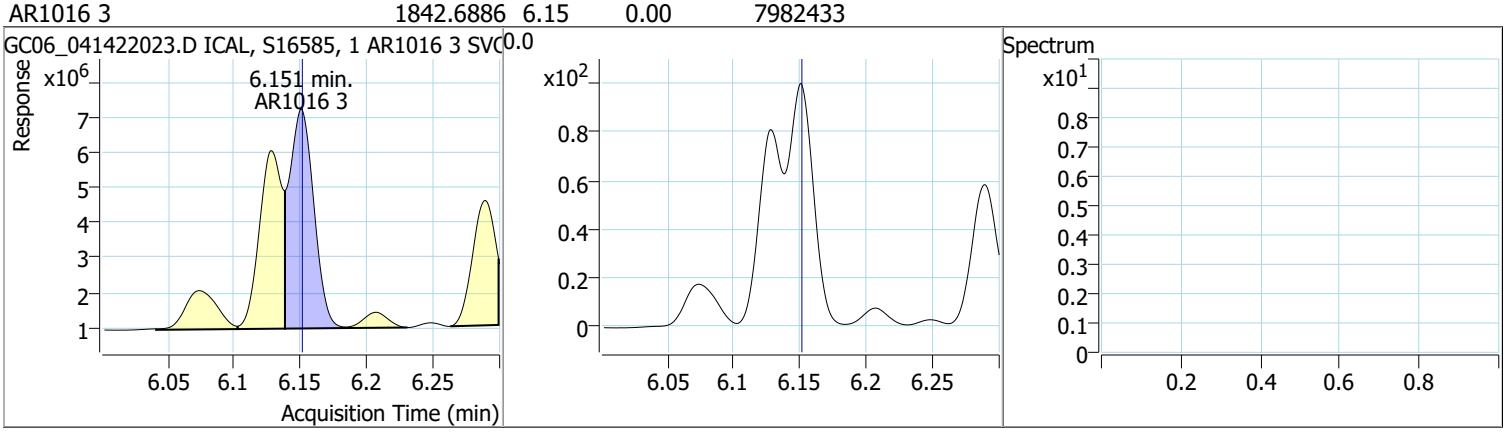
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	1679.6318	5.69	0.00	6182408			



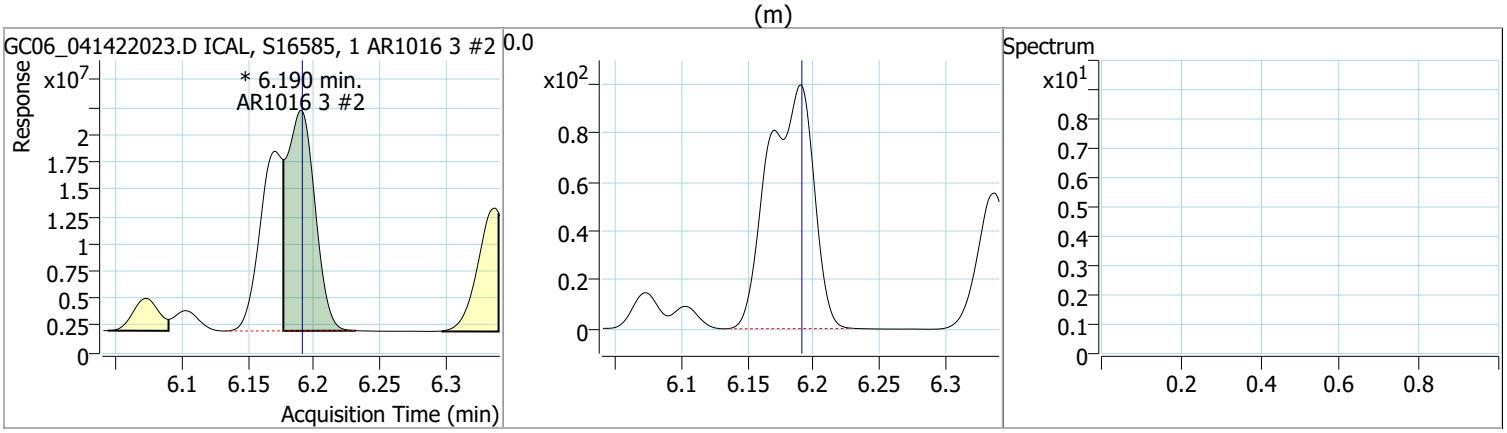
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	1750.5648	5.73	0.00	21228359			



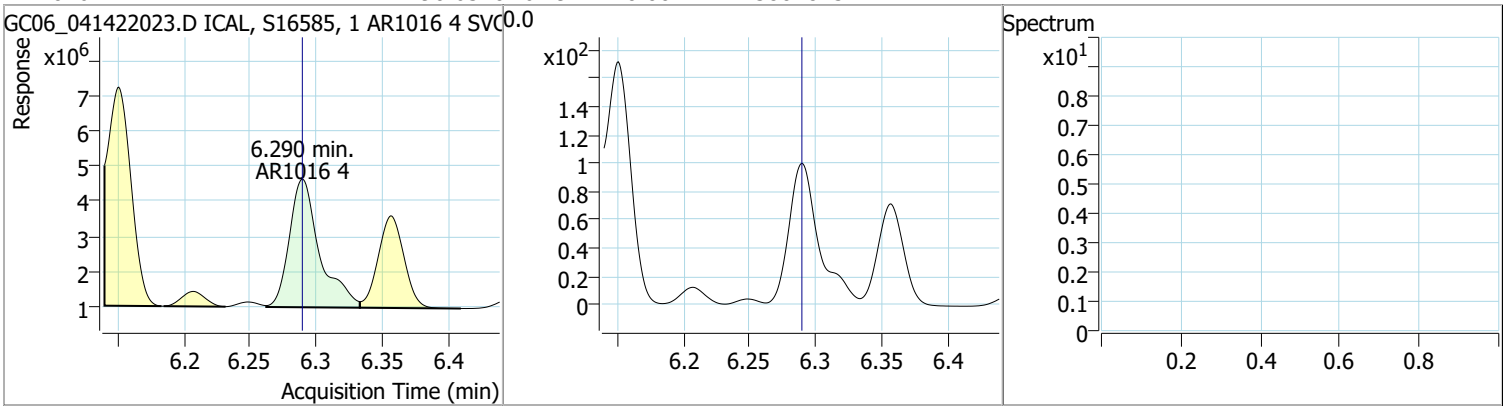
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	1842.6886	6.15	0.00	7982433			



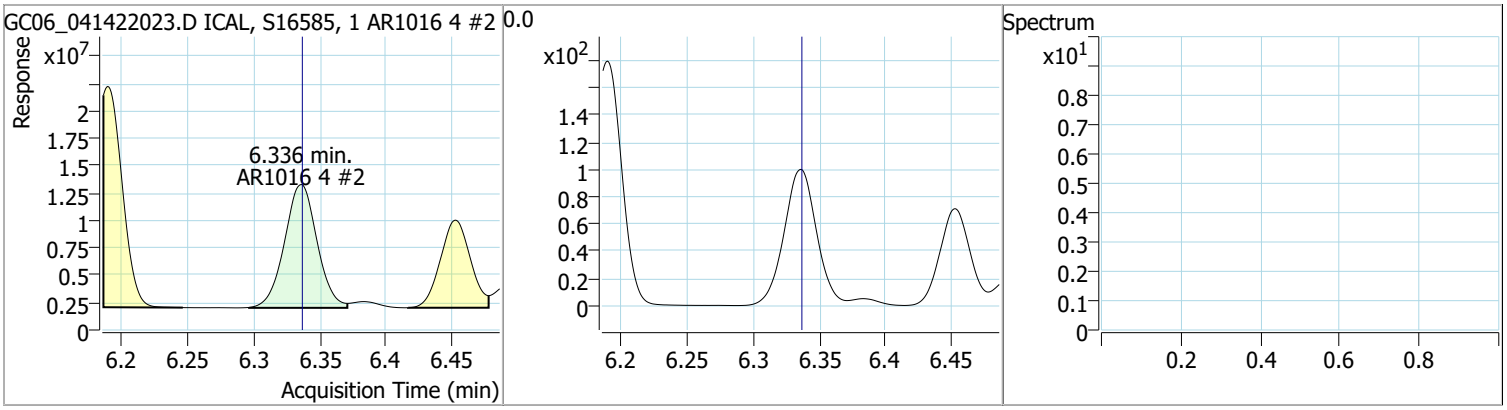
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	1845.2535	6.19	0.00	29510280 (m)			



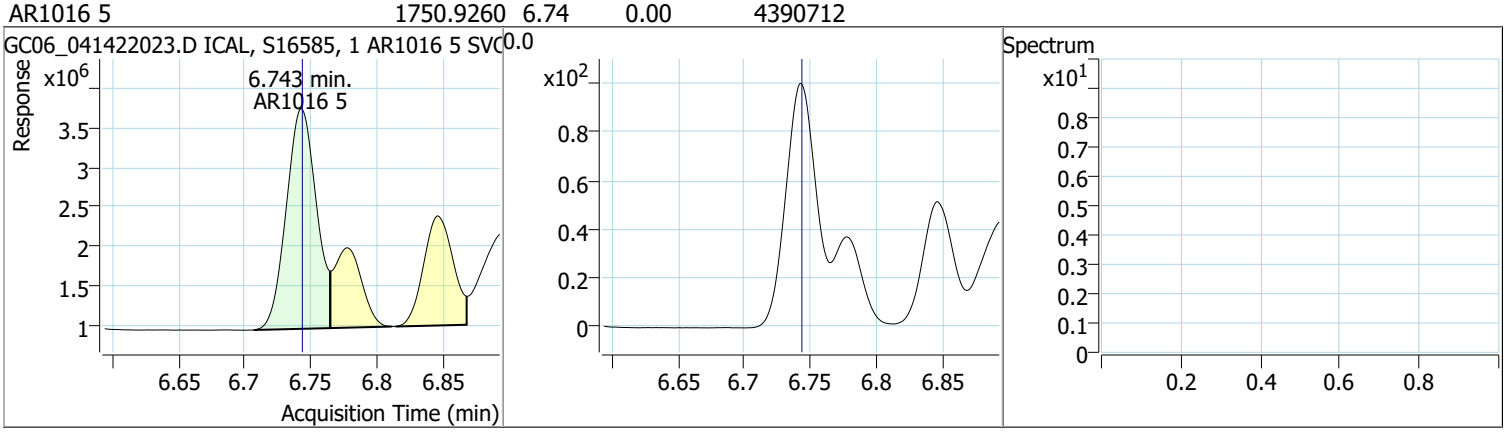
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	1790.6370	6.29	0.00	5804825			



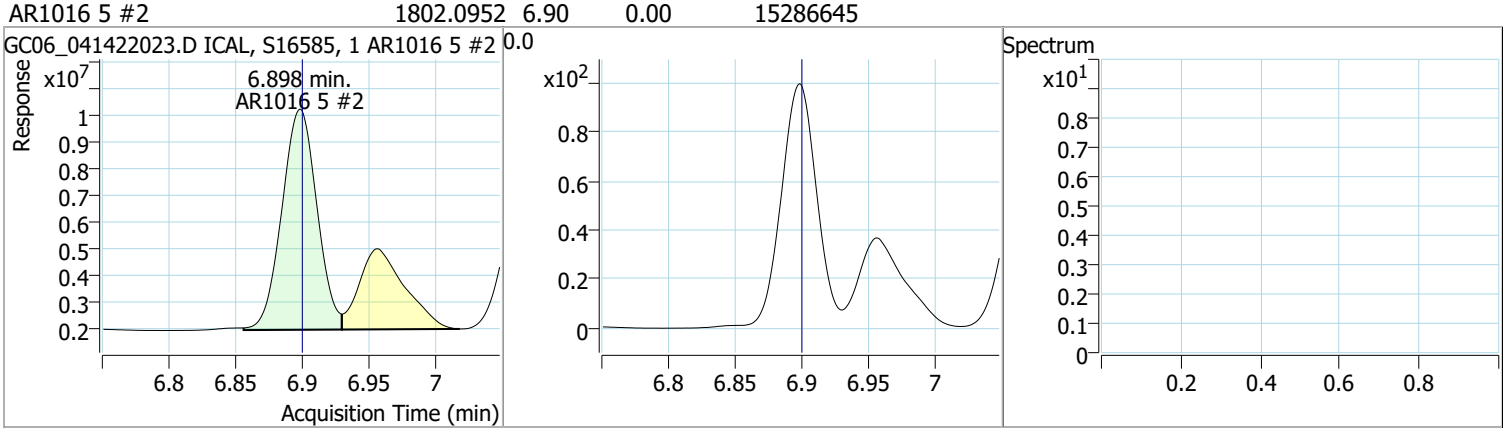
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	1776.9682	6.34	0.00	19279898			



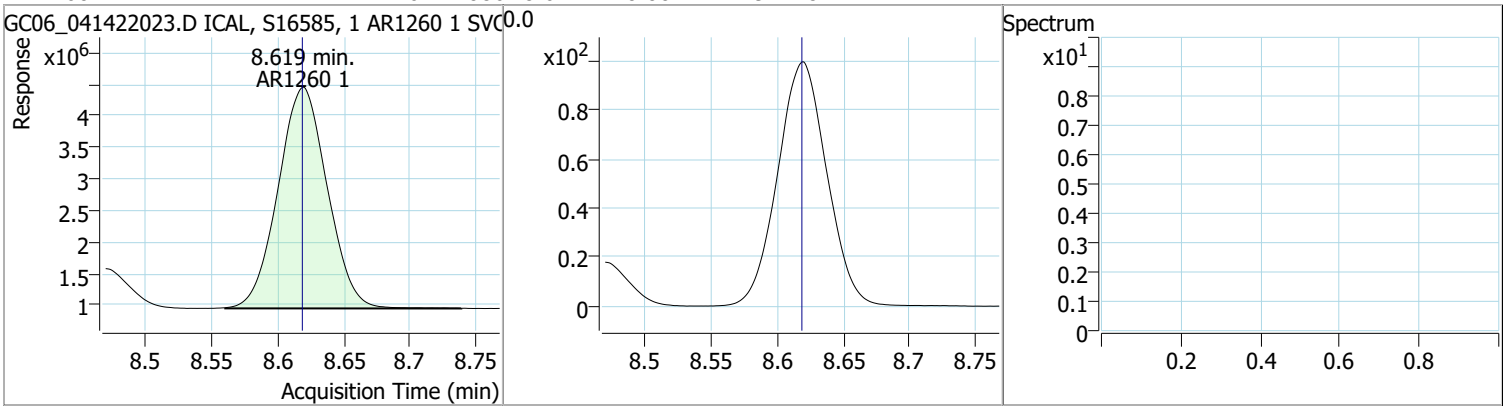
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	1750.9260	6.74	0.00	4390712			



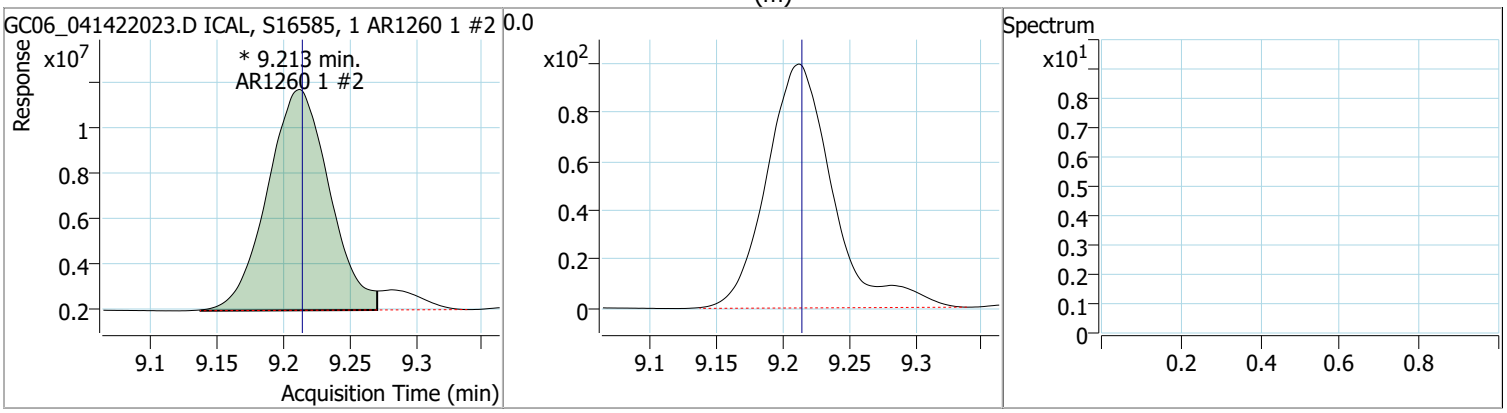
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	1802.0952	6.90	0.00	15286645			



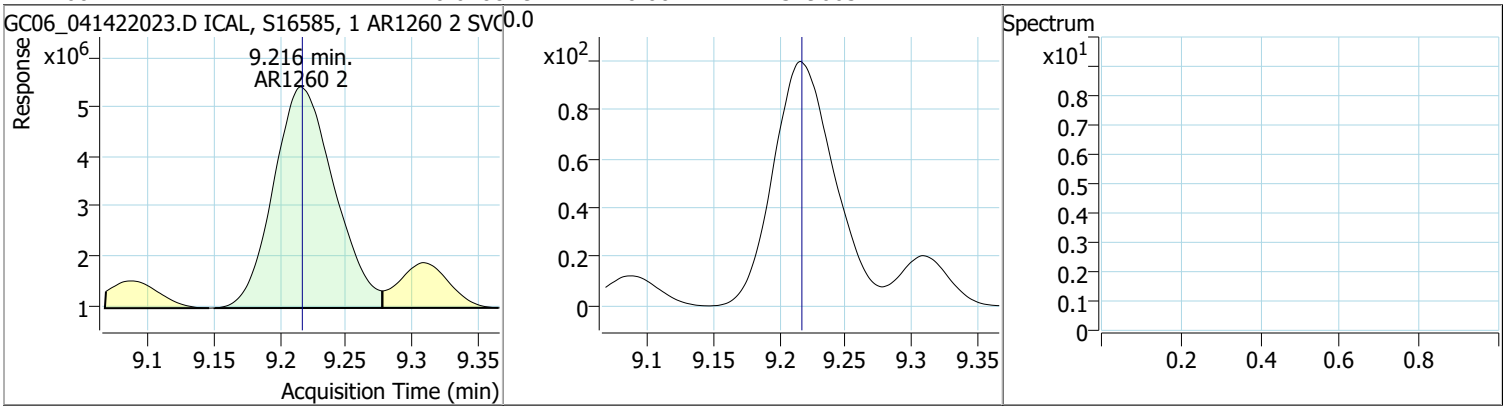
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	1677.2086	8.62	0.00	9121847			



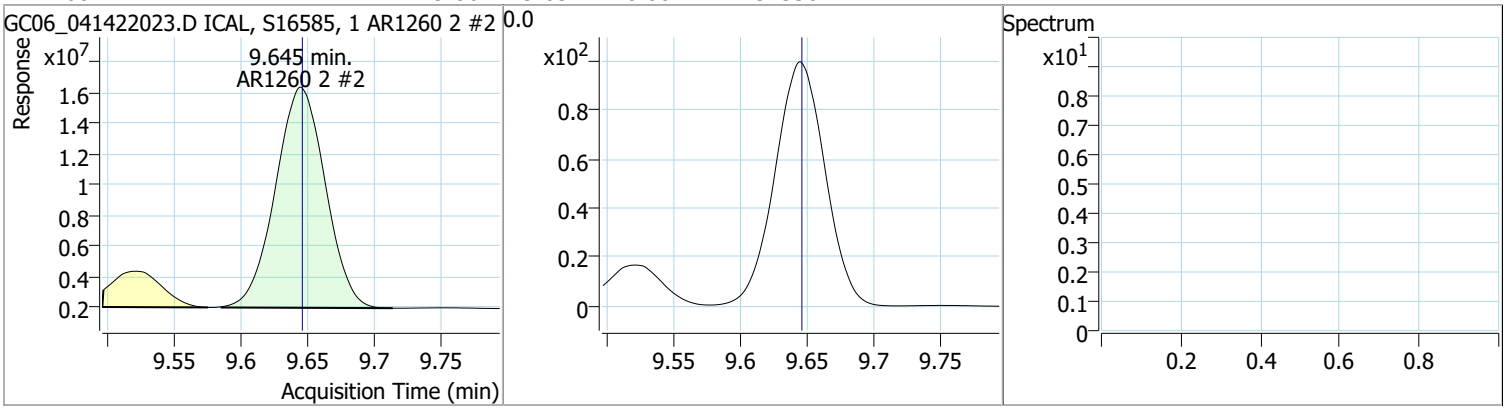
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	1680.4825	9.21	0.00	31736730 (m)			



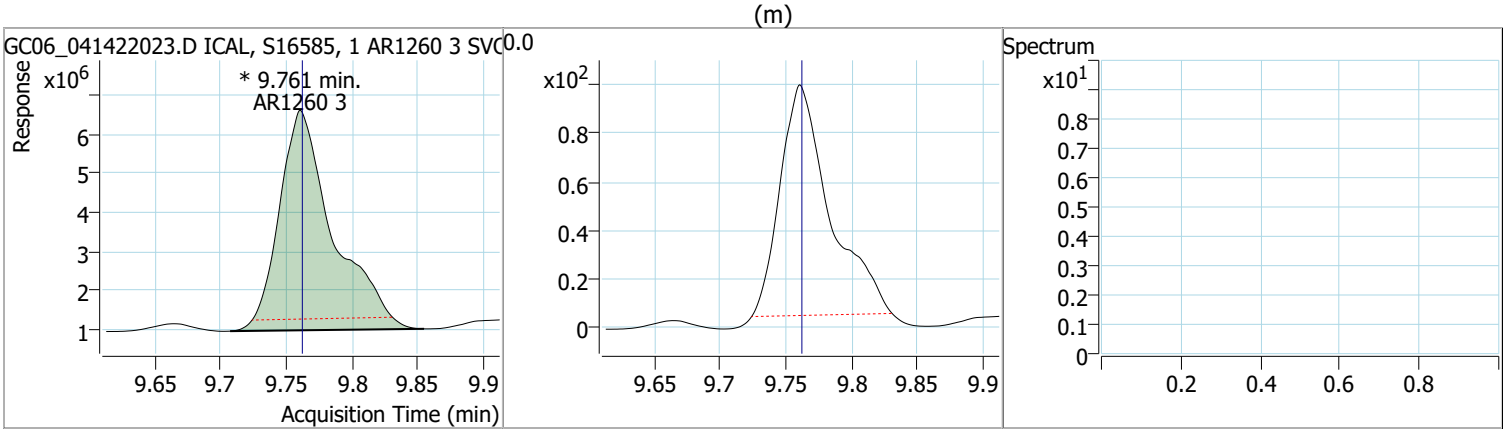
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	1710.6208	9.22	0.00	14329665			



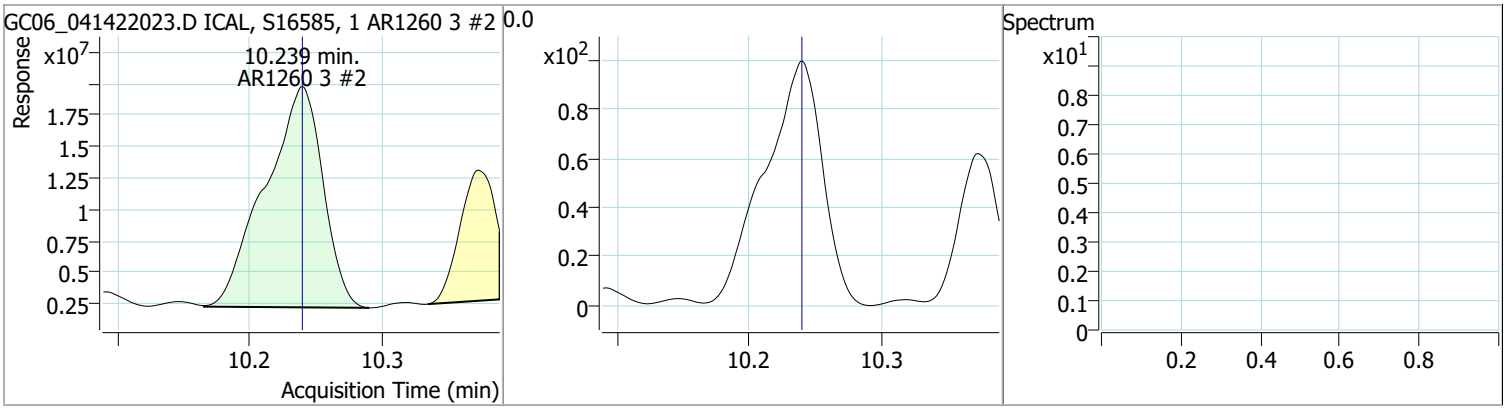
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	1719.8671	9.65	0.00	37530247			



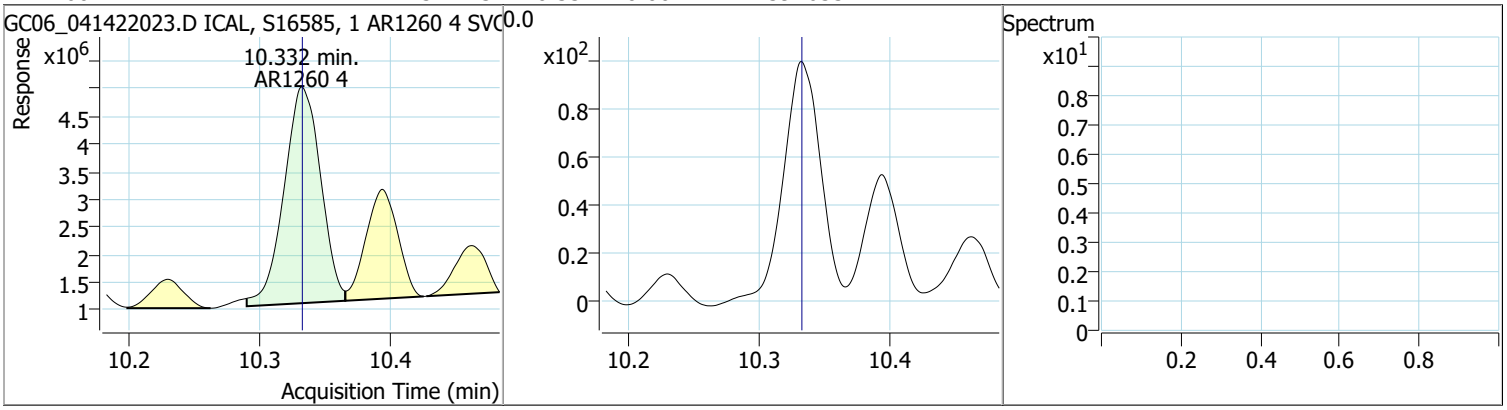
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	1842.2370	9.76	0.00	16042802 (m)			



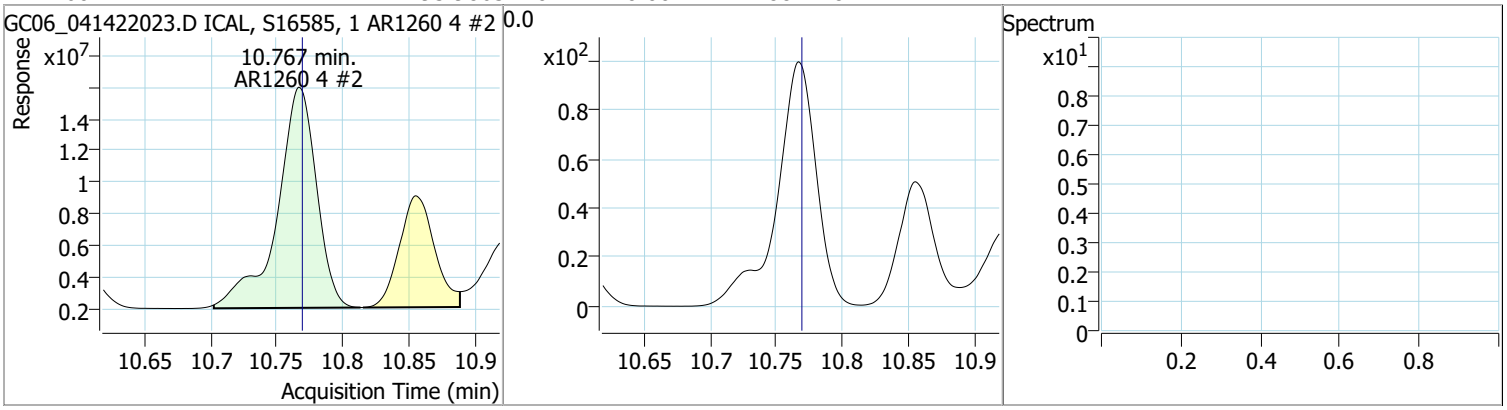
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	1792.3281	10.24	0.00	53137458			



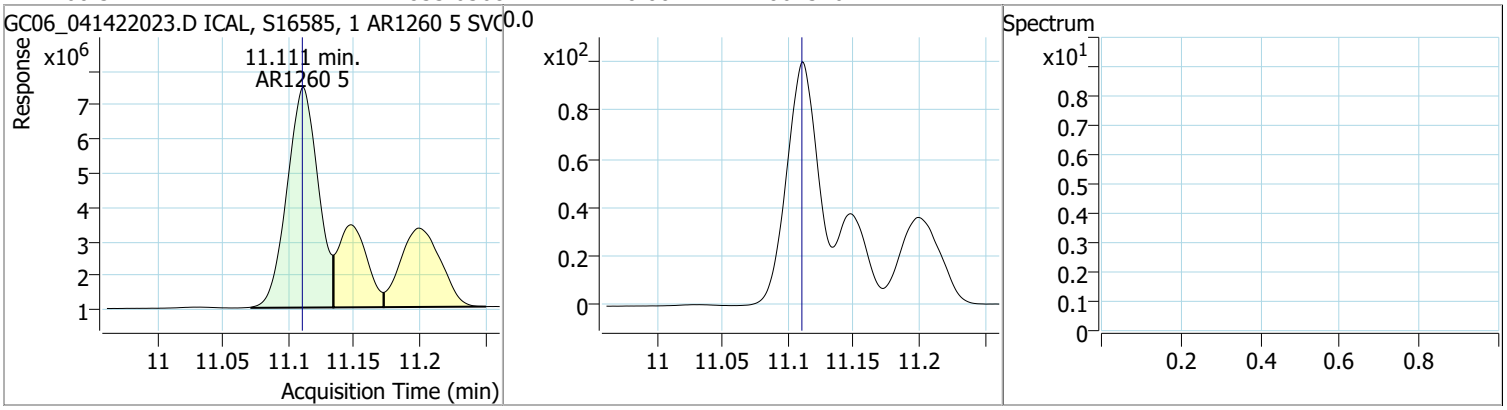
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	1754.2734	10.33	0.00	7597633			



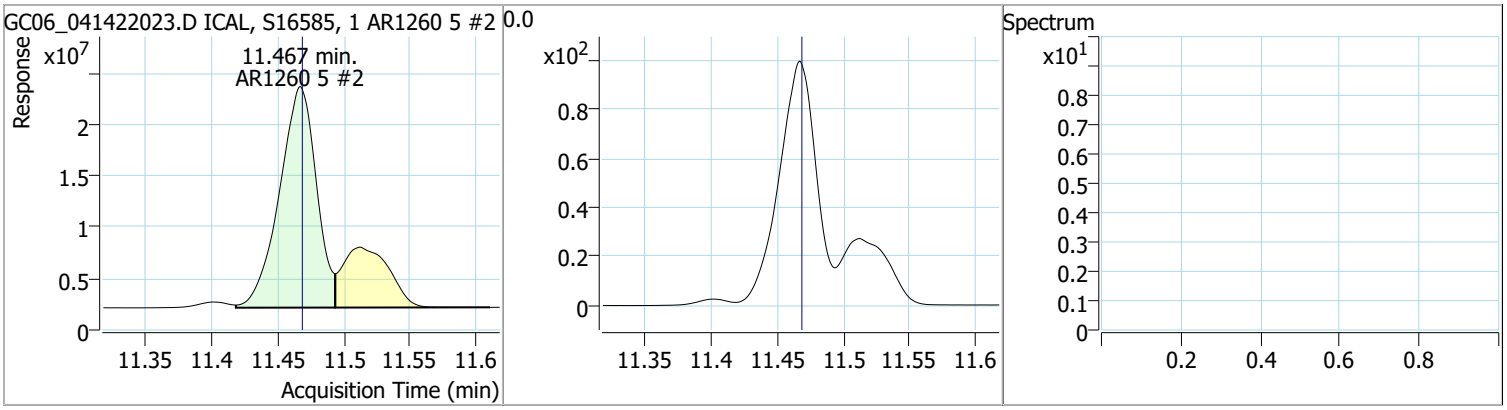
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	1795.9863	10.77	0.00	28812281			



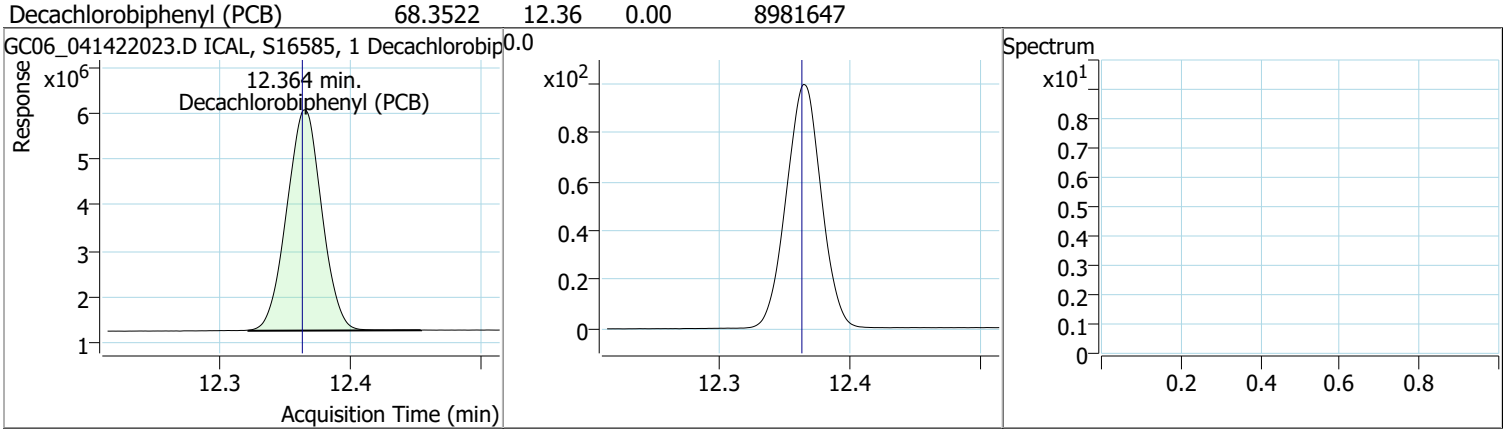
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	1853.6368	11.11	0.00	10625267			



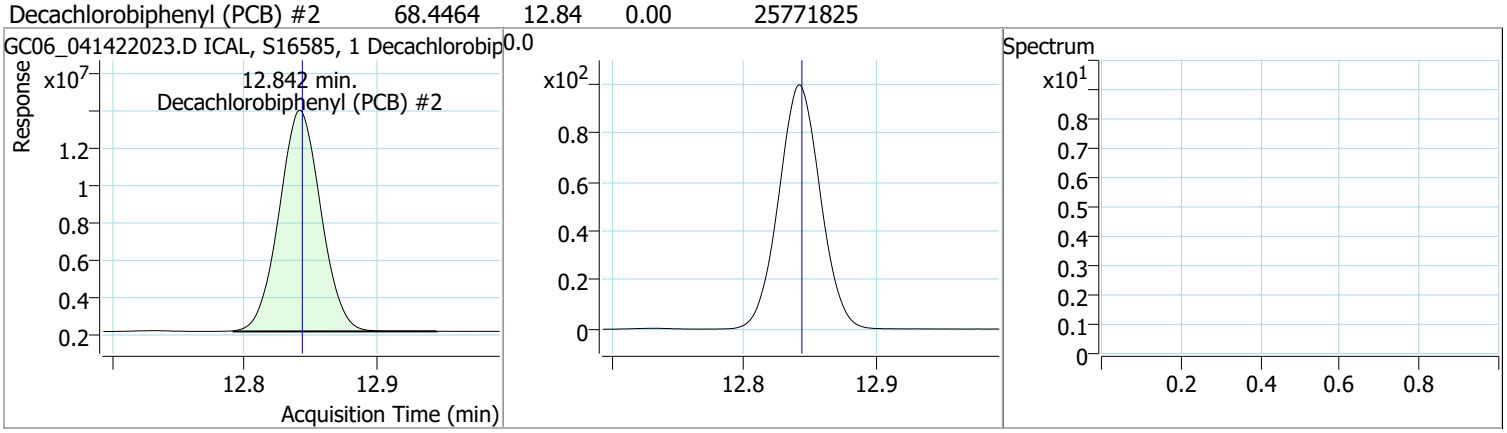
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	1775.7895	11.47	0.00	42001201			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	68.3522	12.36	0.00	8981647			

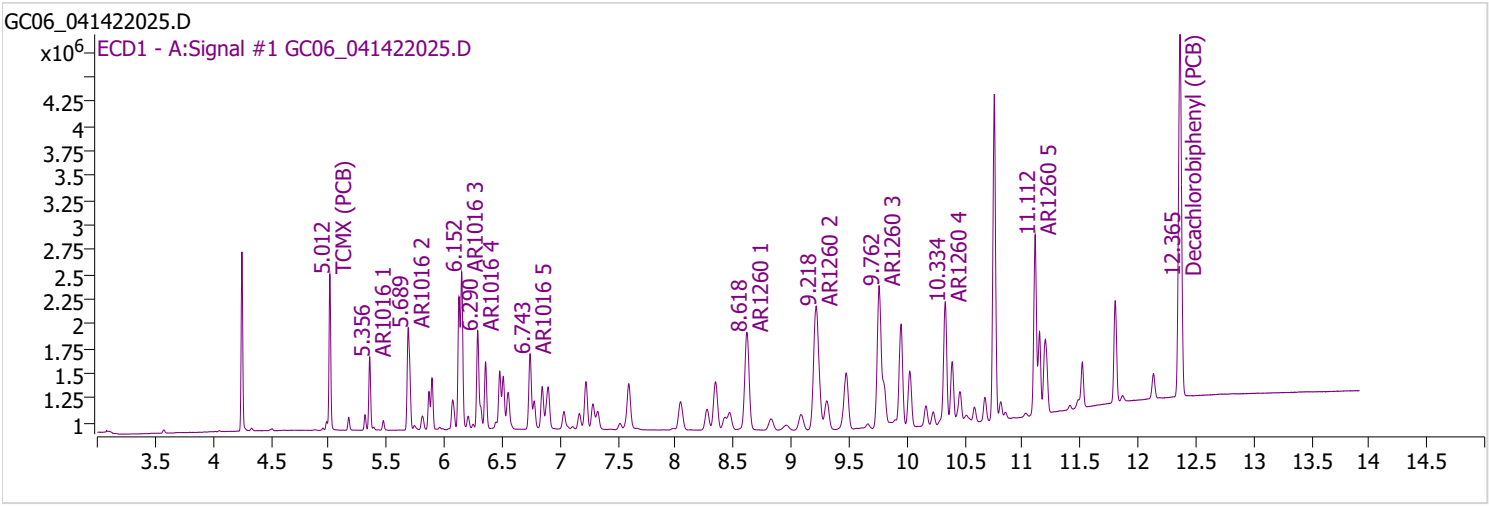


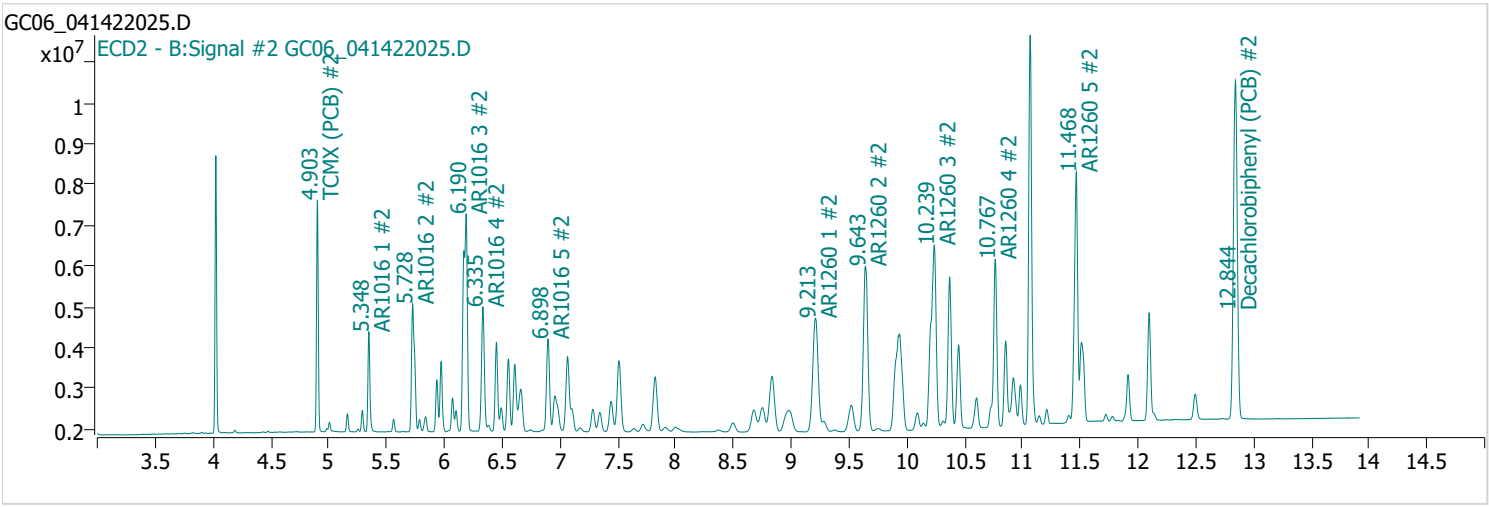
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	68.4464	12.84	0.00	25771825			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422025.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 9:37:00 PM
Sample Name	ICV, S16736	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 120	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



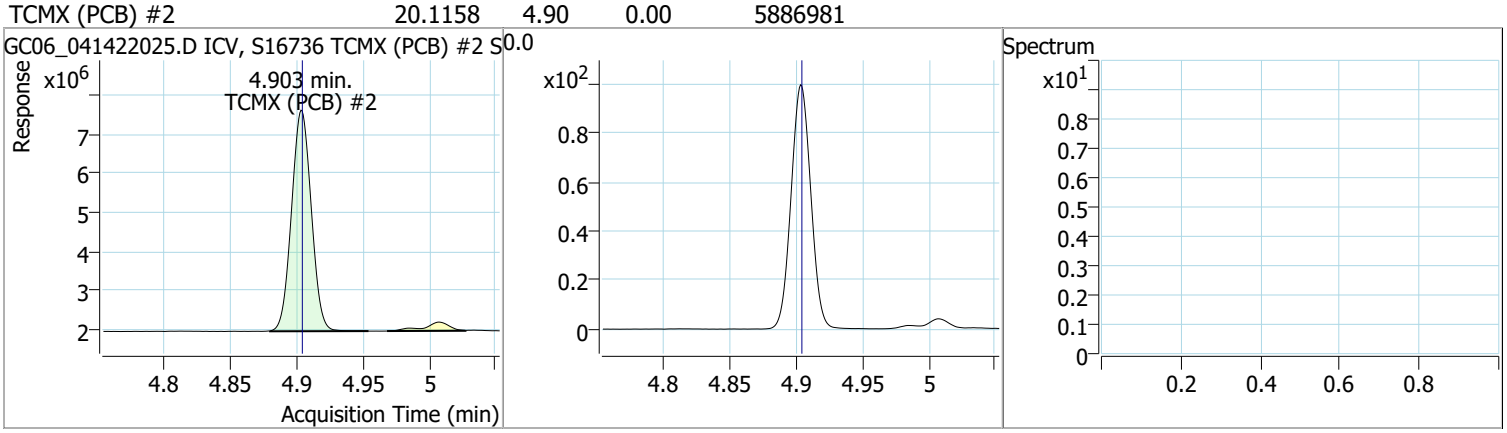


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.251	4.025	1762001	6389346	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.012	4.903	1651154	5886981	19.482	20.116	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	97.41%	100.58%	
S Decachlorobiphenyl (PCB)	12.365	12.844	6840009	19467064	51.055	50.492	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	255.28% *	252.46% *	
Target Compounds							
T AR1016 1	5.356	5.348	825235	2962090	478.801	495.049	ng/ml
T AR1016 2	5.689	5.728	1702995	5890904	453.793	474.419	ng/ml
T AR1016 3	6.152	6.190	2119180	7921568 m	479.813	483.740	ng/ml
T AR1016 4	6.290	6.335	1550648	5231236	469.158	470.866	ng/ml
T AR1016 5	6.743	6.898	1197333	4188169	468.312	482.178	ng/ml
T AR1260 1	8.618	9.213	2604917	9134347 m	469.771	472.354	ng/ml
T AR1260 2	9.218	9.643	4060351	10829785	475.411	484.676	ng/ml
T AR1260 3	9.762	10.239	4038416 m	13873694	454.846	457.011	ng/ml
T AR1260 4	10.334	10.767	2298126	8484126 m	520.452	516.476	ng/ml

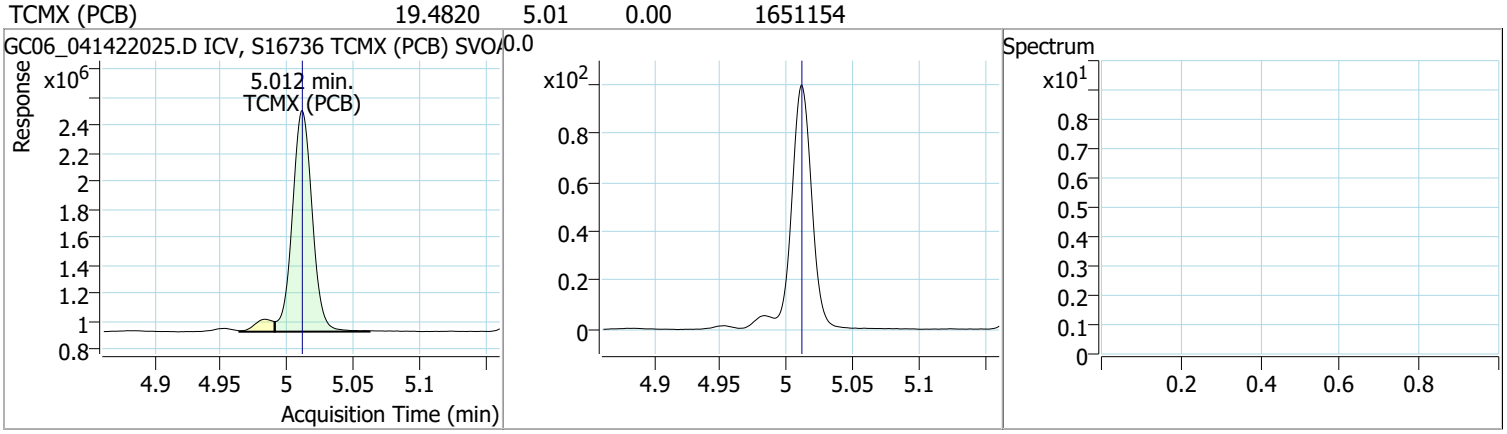
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.468	2918389	12120070	499.362	500.441	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

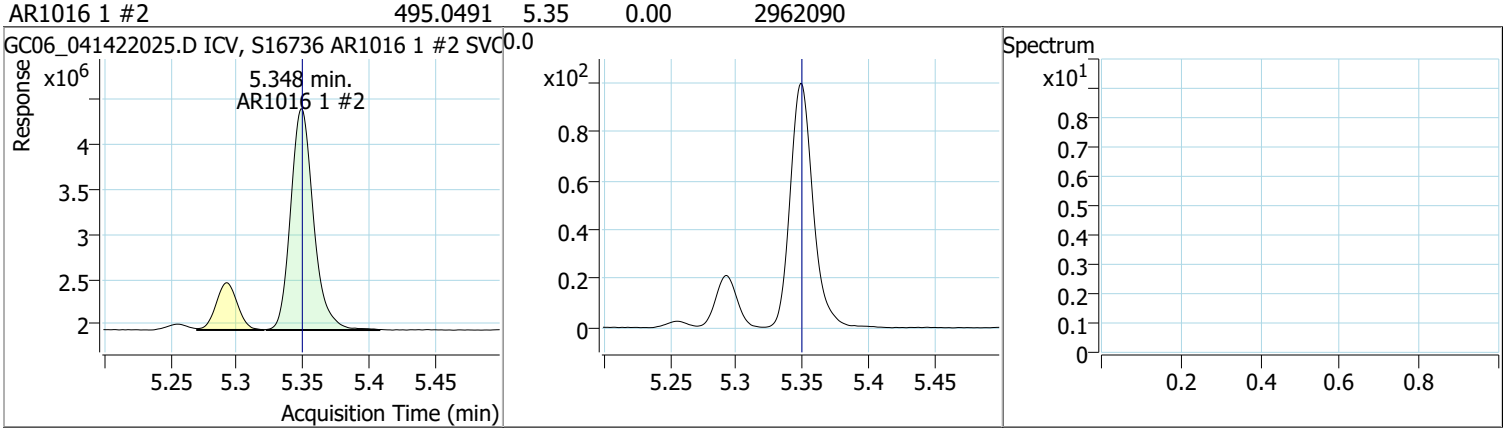
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	20.1158	4.90	0.00	5886981			



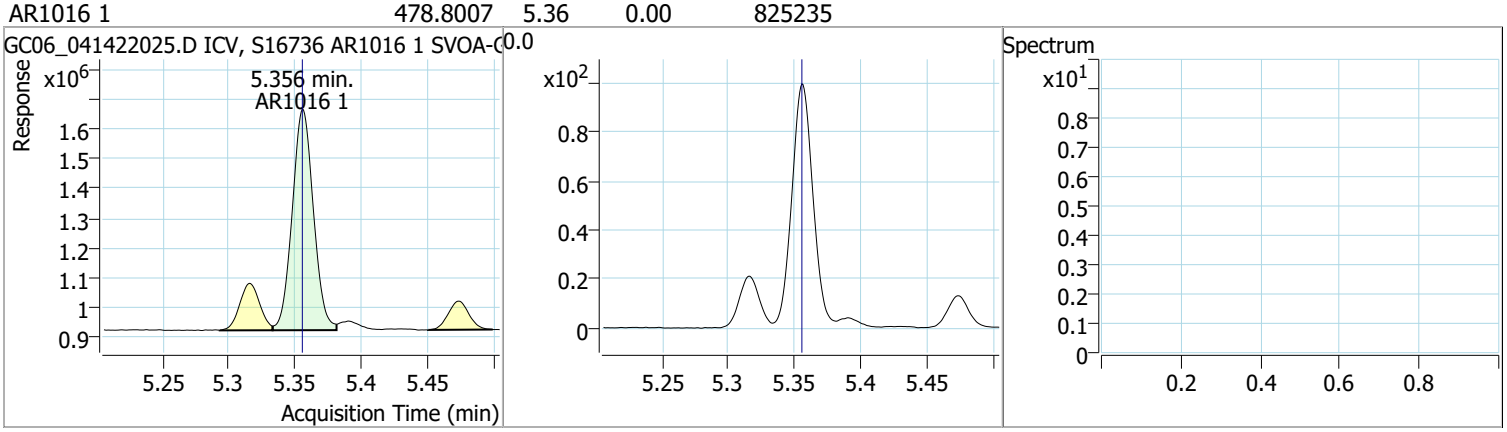
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	19.4820	5.01	0.00	1651154			



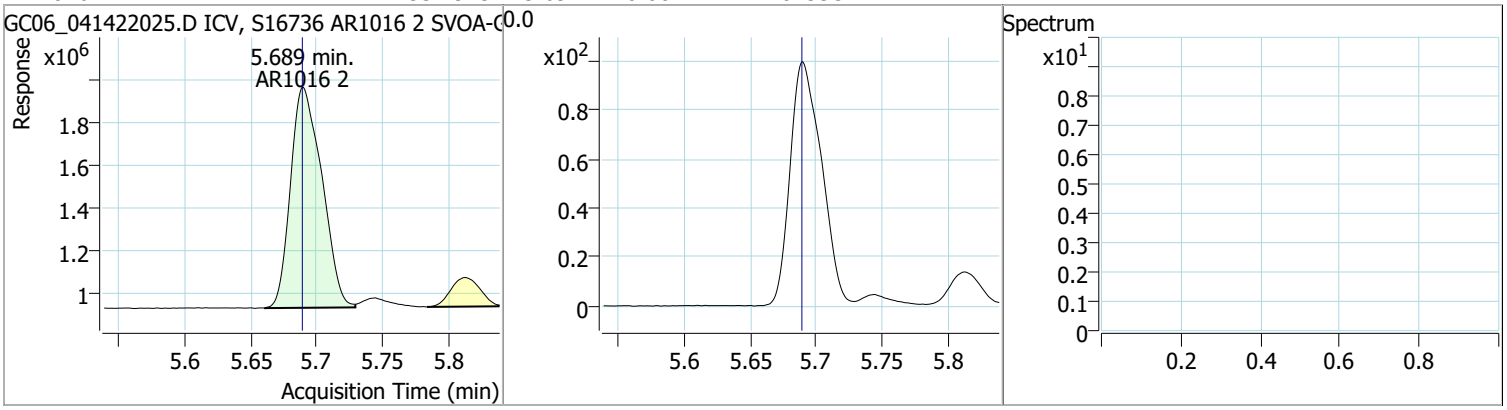
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	495.0491	5.35	0.00	2962090			



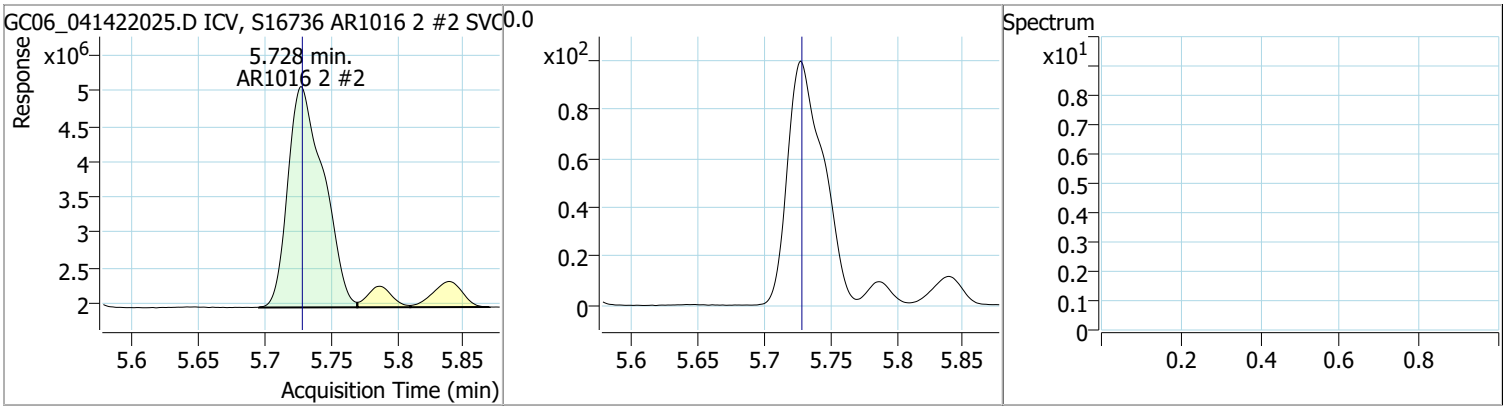
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	478.8007	5.36	0.00	825235			



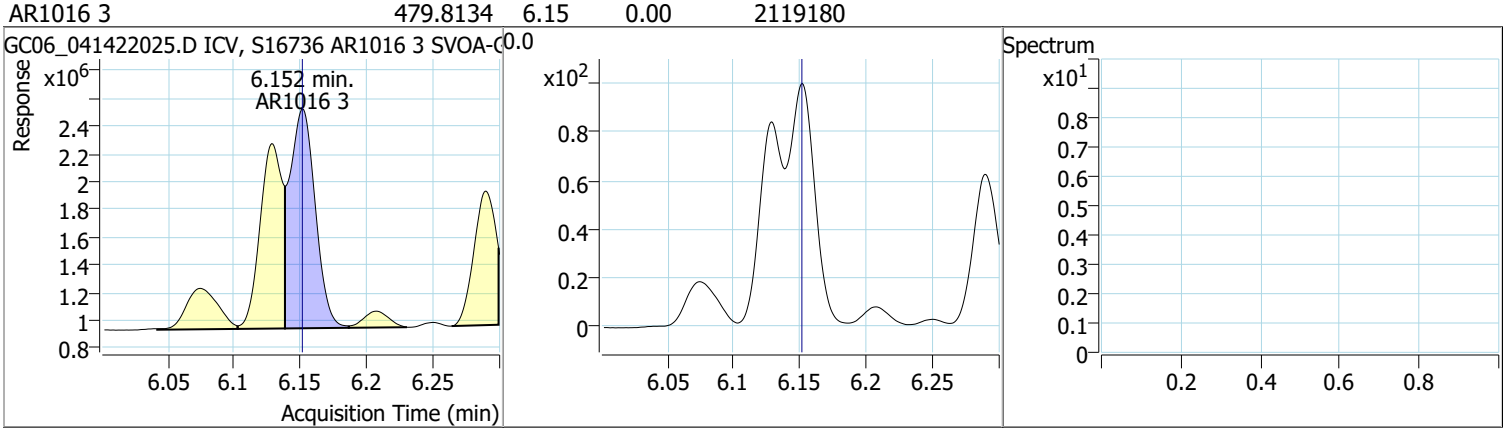
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	453.7929	5.69	0.00	1702995			



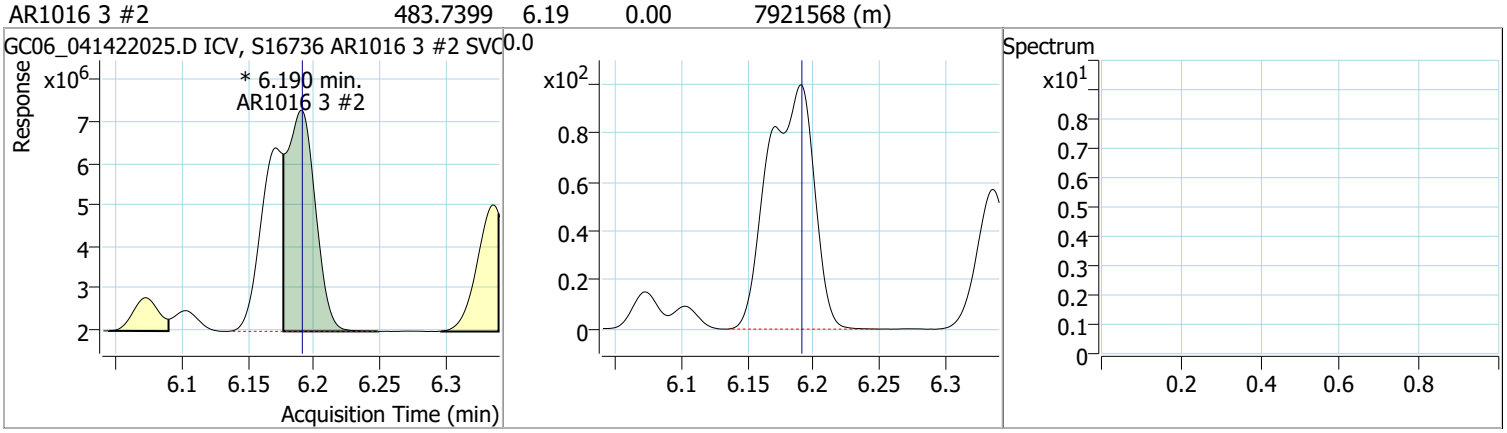
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	474.4186	5.73	0.00	5890904			



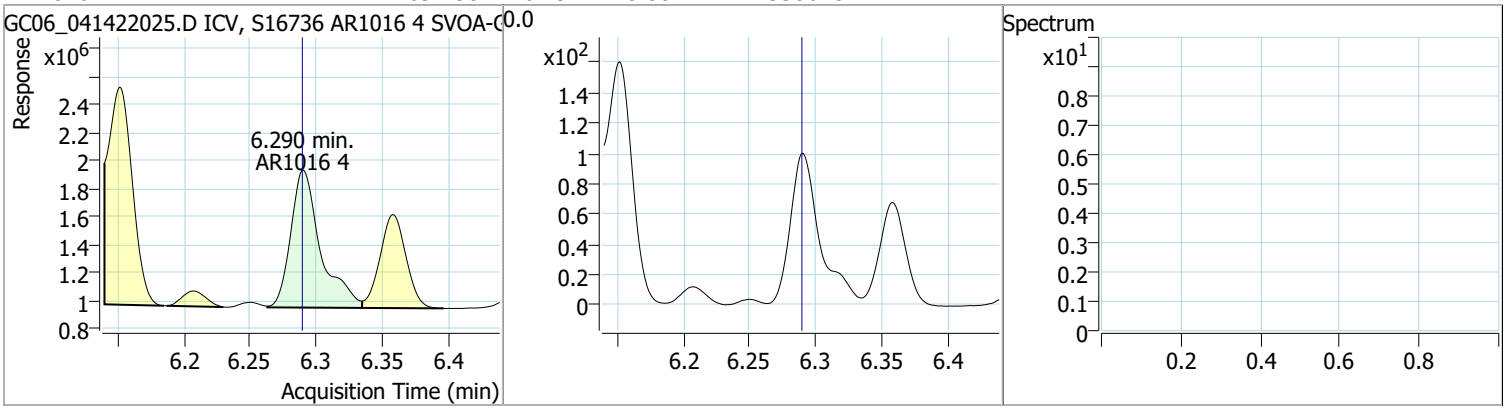
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	479.8134	6.15	0.00	2119180			



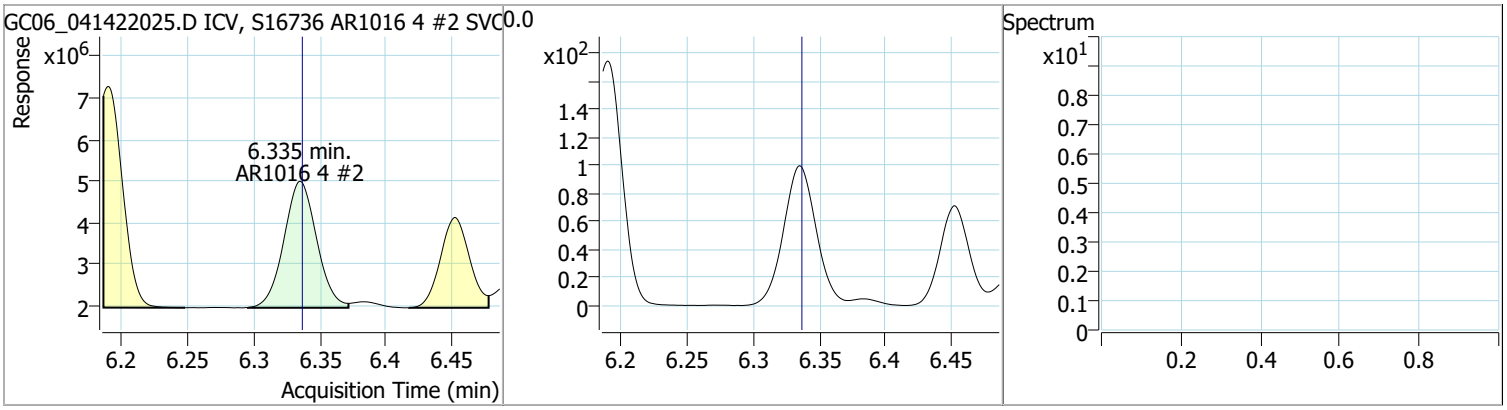
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	483.7399	6.19	0.00	7921568 (m)			



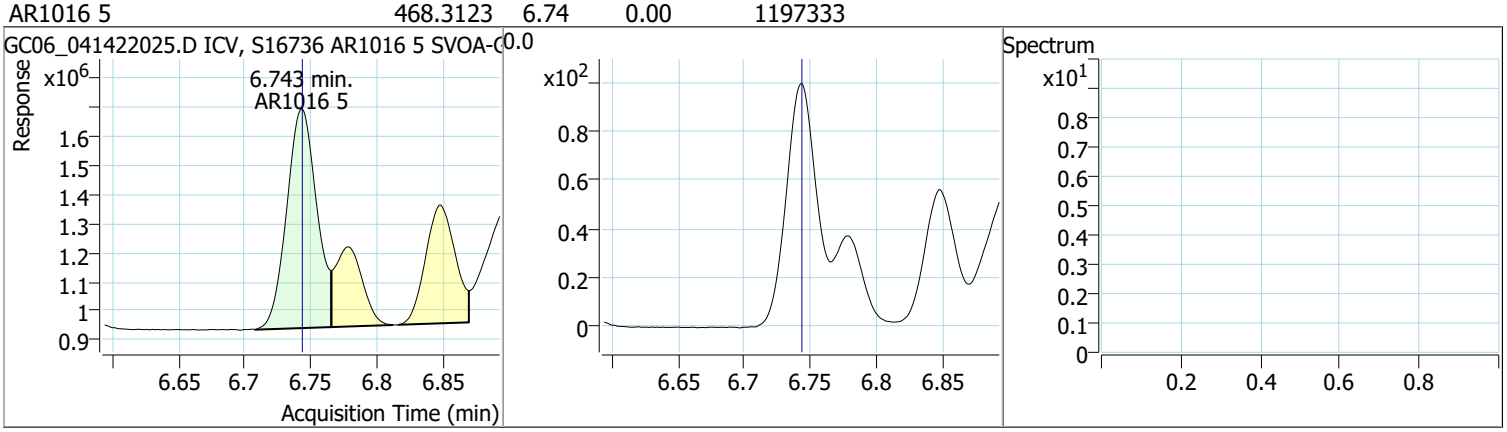
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	469.1584	6.29	0.00	1550648			



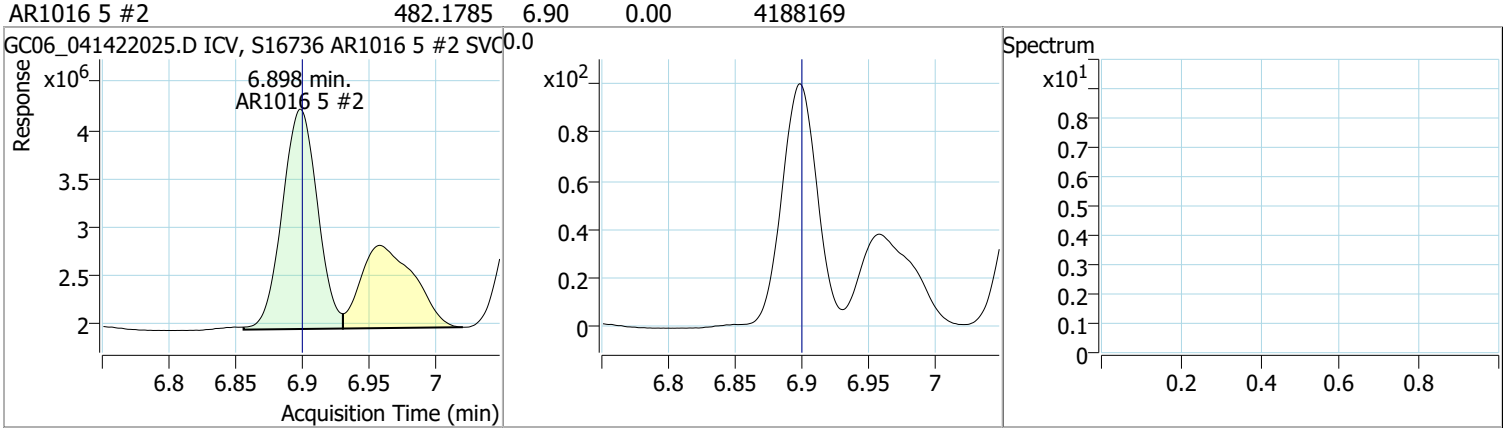
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	470.8659	6.34	0.00	5231236			



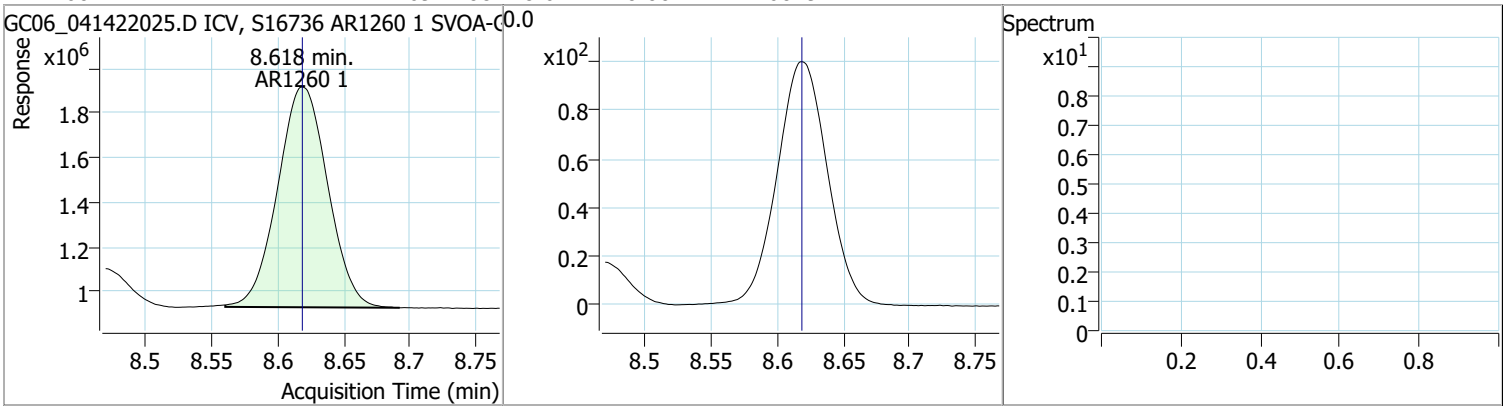
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	468.3123	6.74	0.00	1197333			



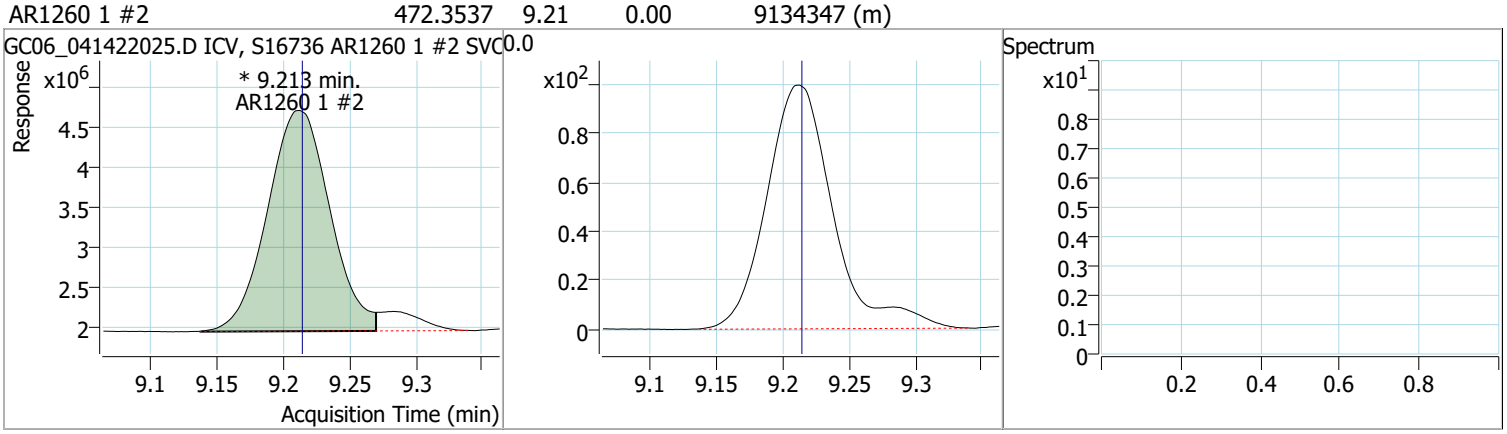
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	482.1785	6.90	0.00	4188169			



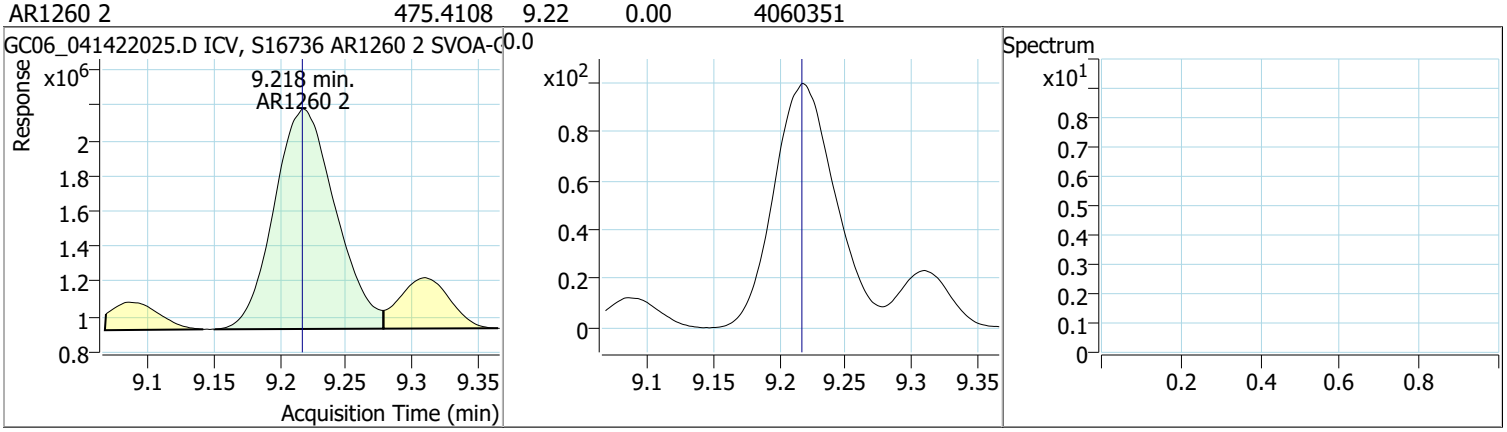
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	469.7708	8.62	0.00	2604917			



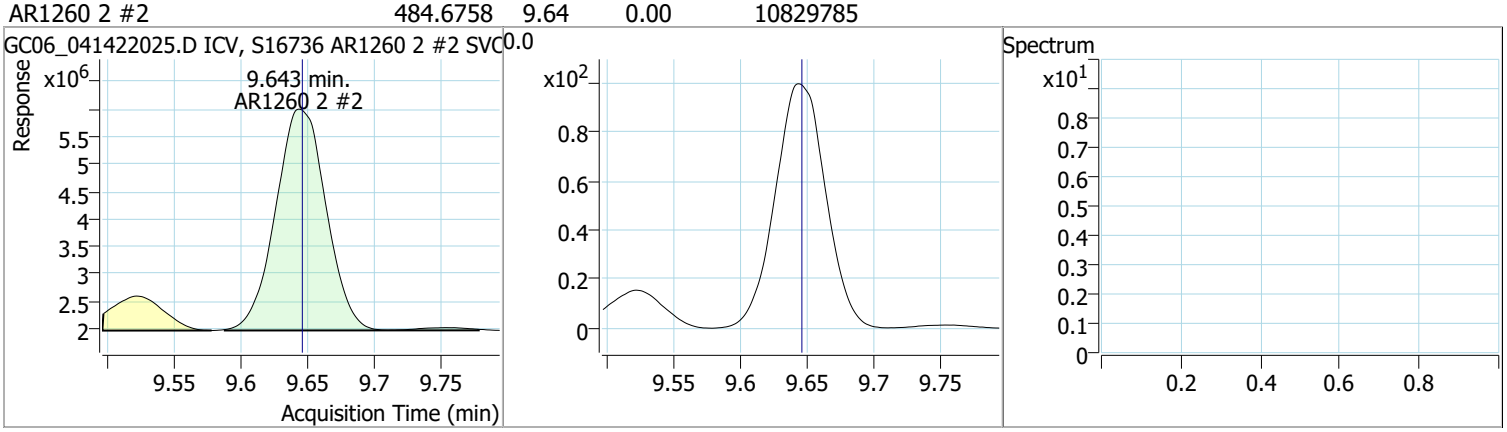
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	472.3537	9.21	0.00	9134347 (m)			



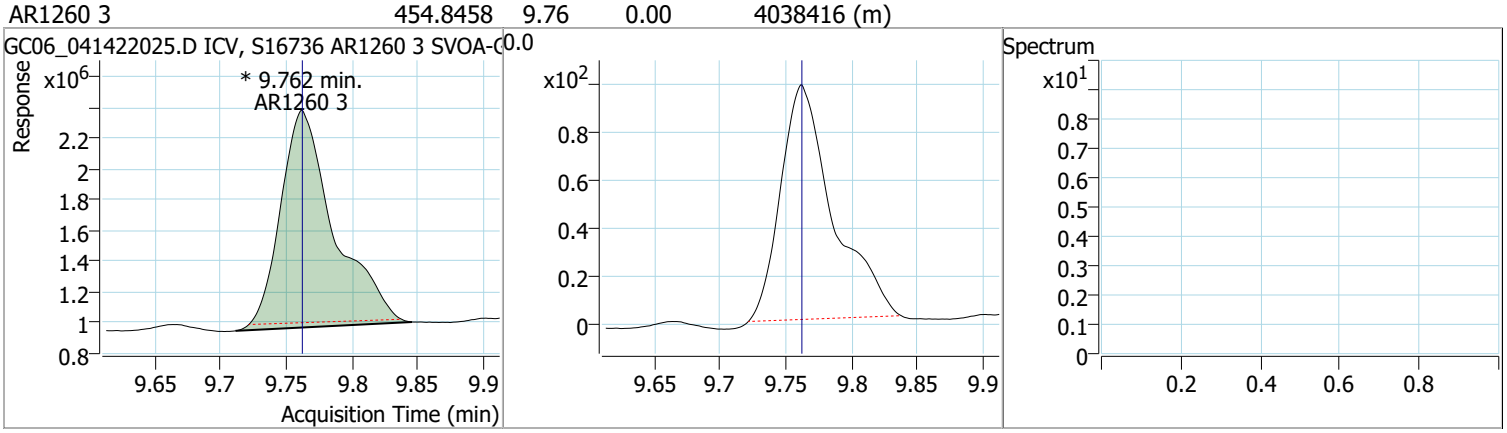
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	475.4108	9.22	0.00	4060351			



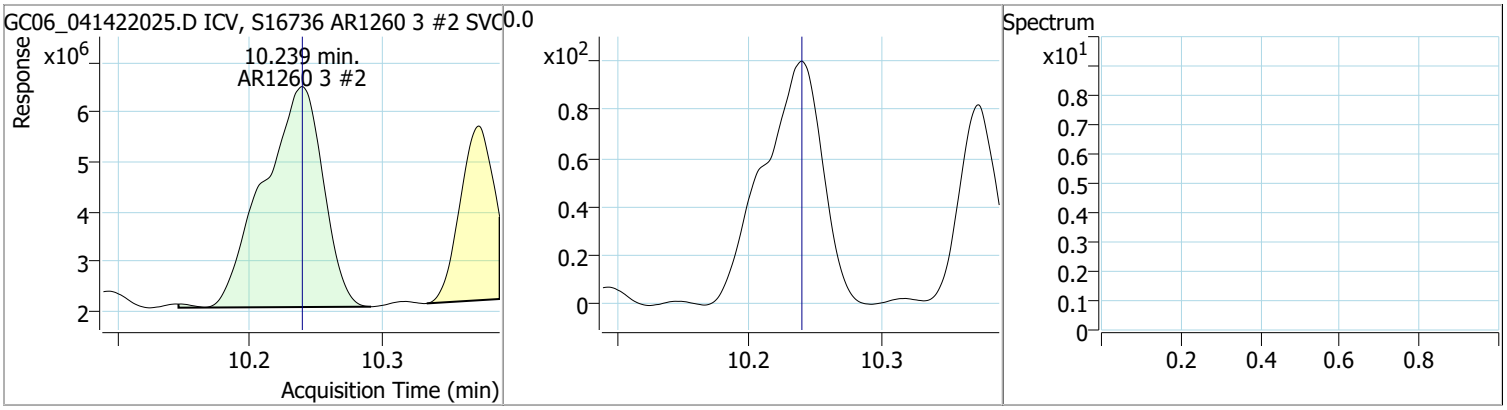
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	484.6758	9.64	0.00	10829785			



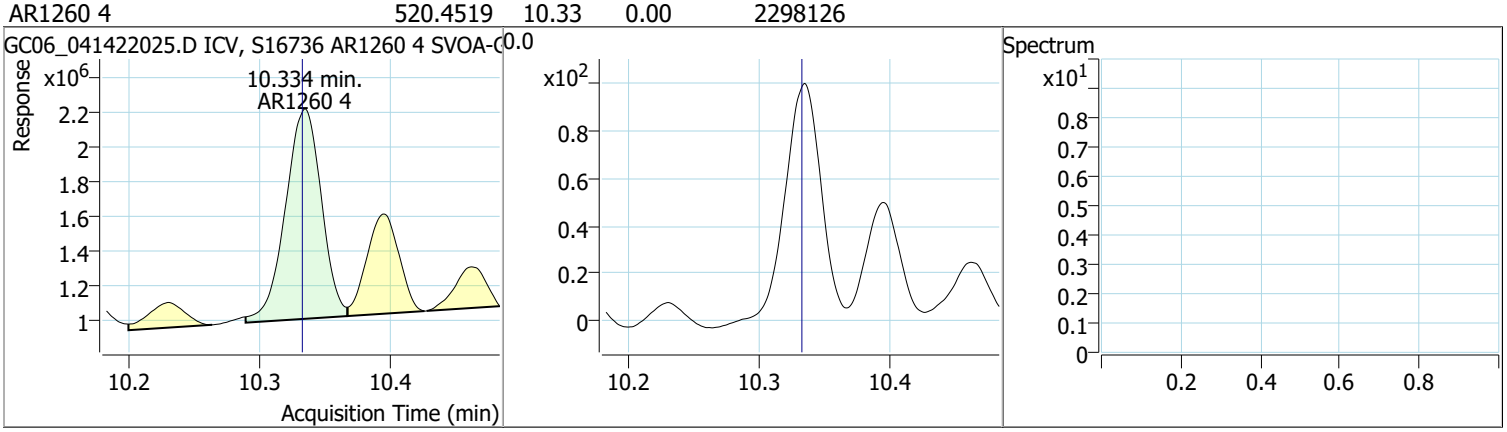
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	454.8458	9.76	0.00	4038416 (m)			



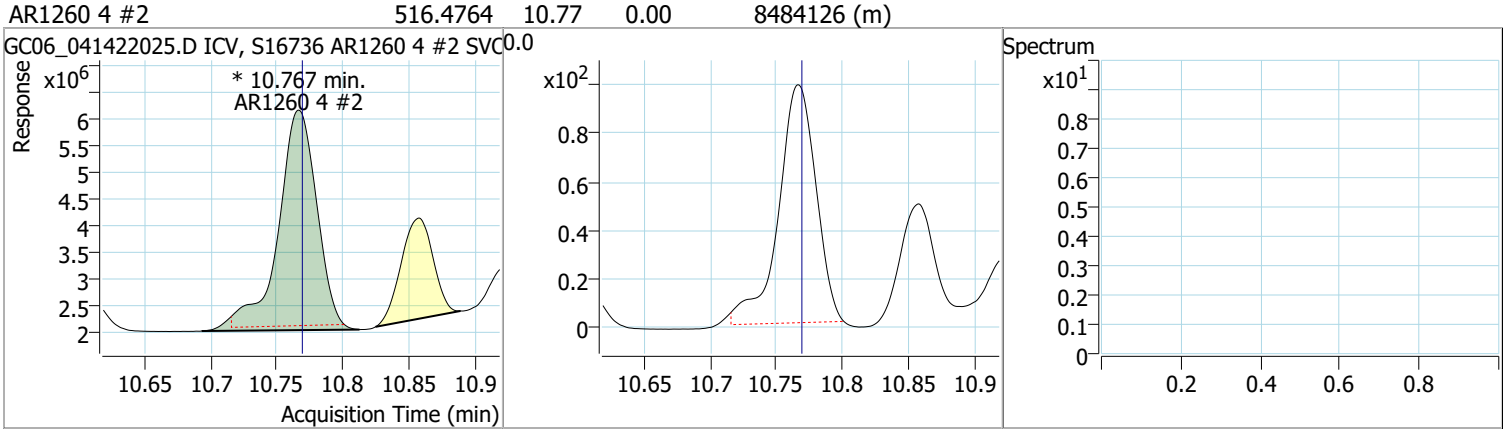
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	457.0112	10.24	0.00	13873694			



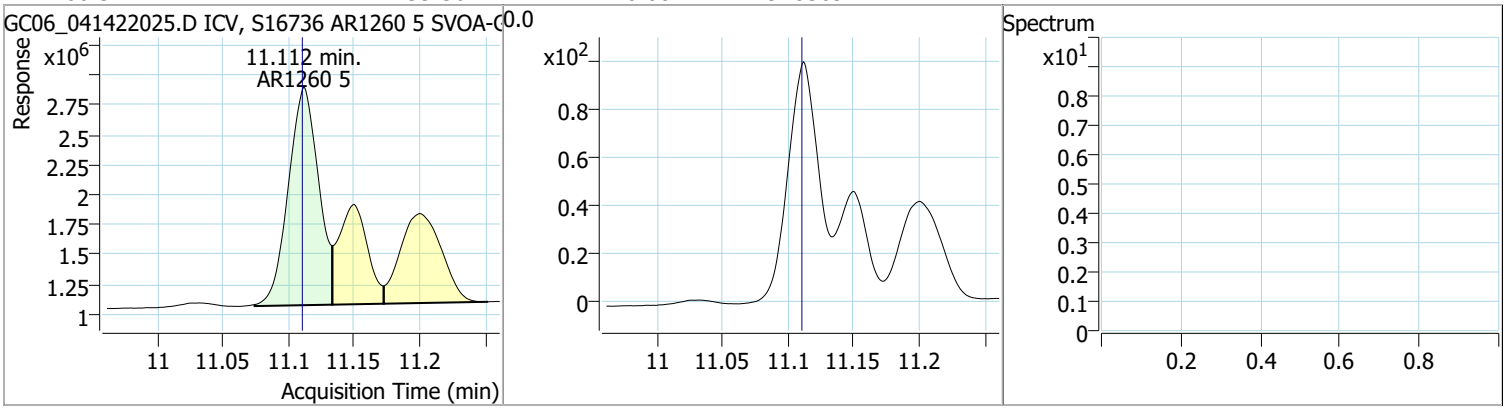
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	520.4519	10.33	0.00	2298126			



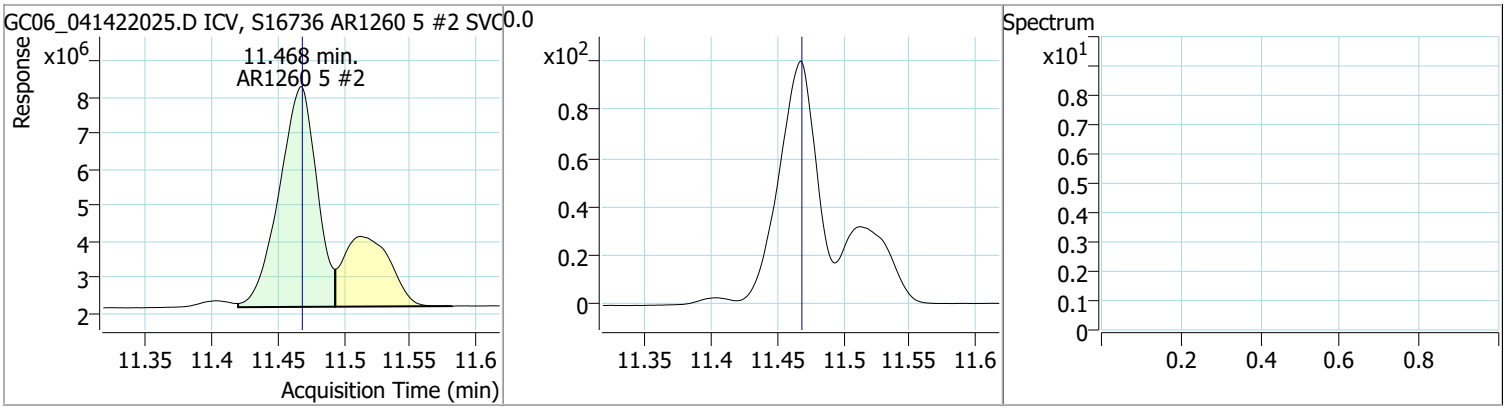
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	516.4764	10.77	0.00	8484126 (m)			



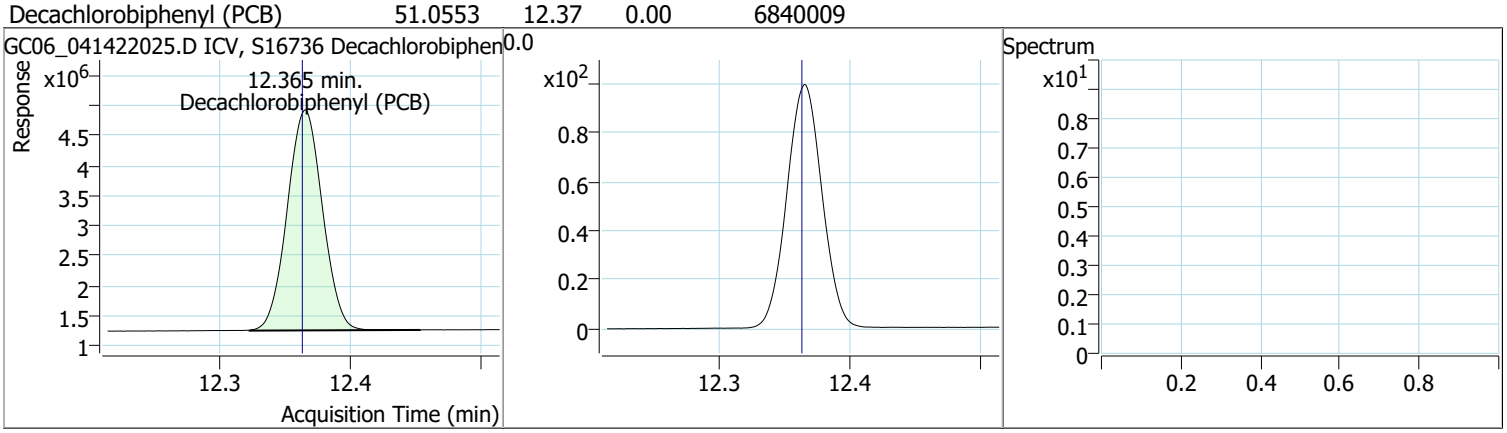
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	499.3624	11.11	0.00	2918389			



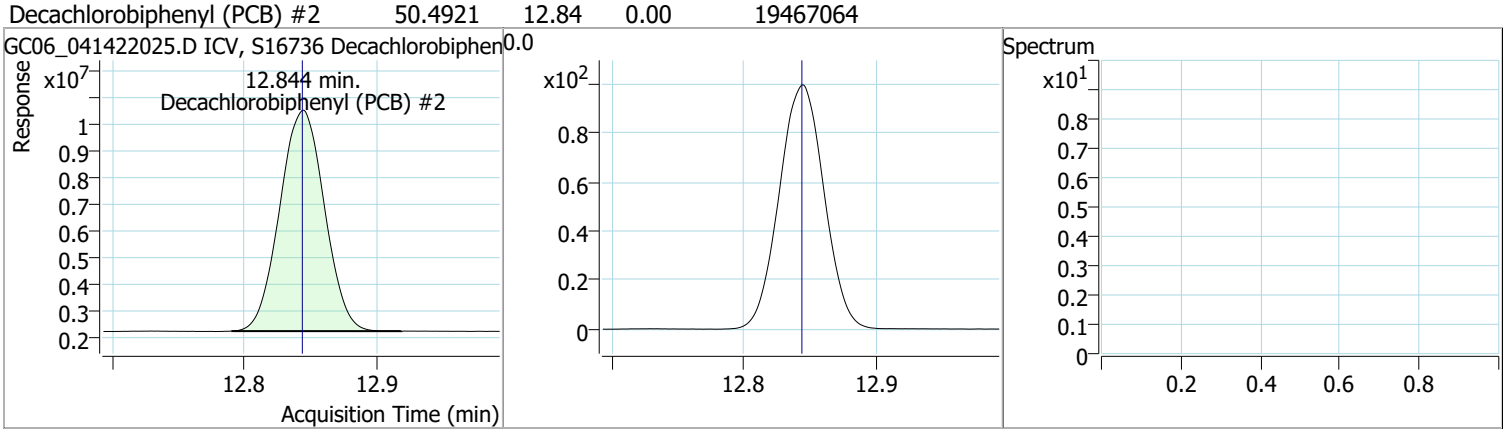
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	500.4410	11.47	0.00	12120070			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	51.0553	12.37	0.00	6840009			

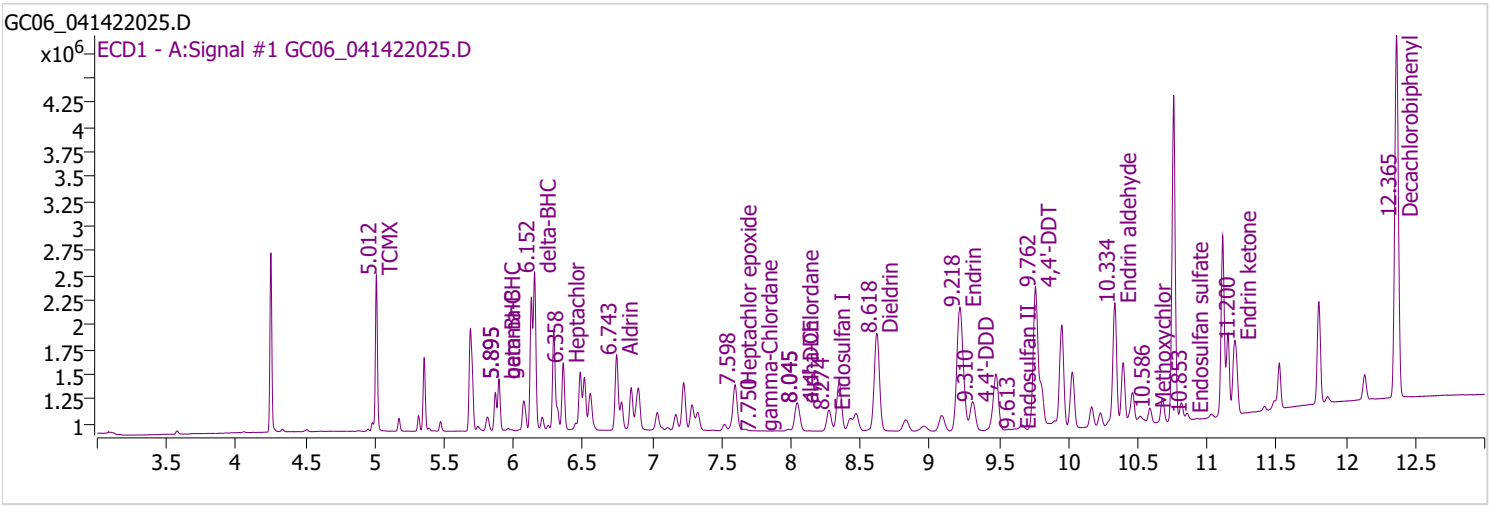


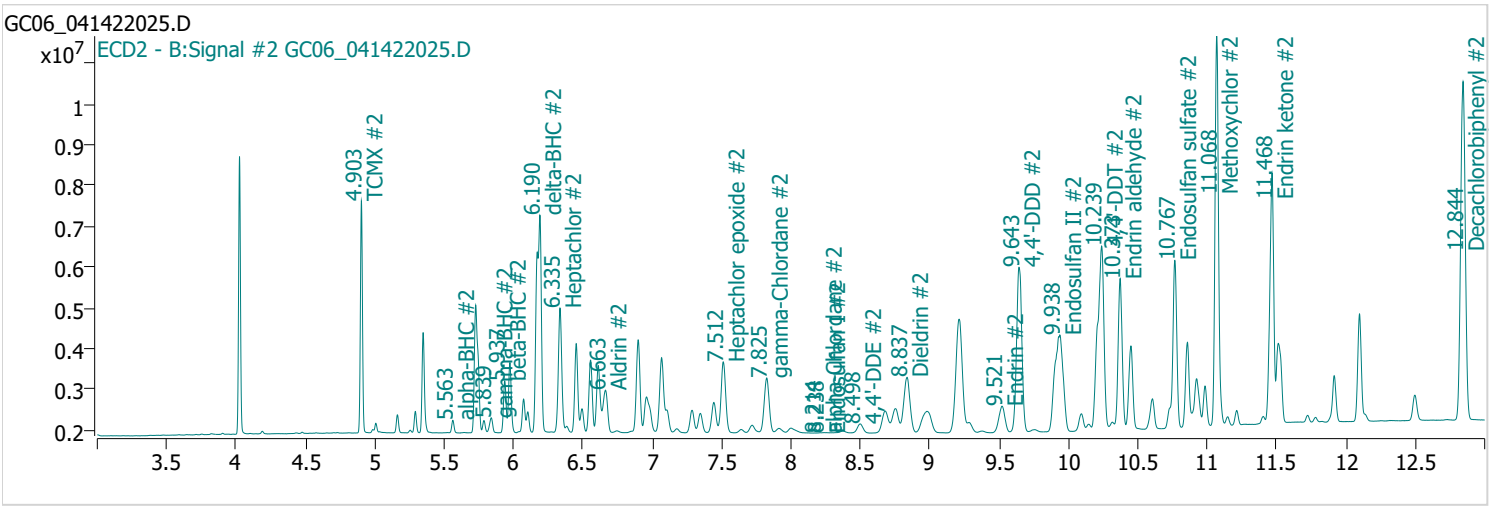
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	50.4921	12.84	0.00	19467064			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422025.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 9:37:00 PM
Sample Name	ICV, S16736	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 120	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 8:58:27 PM



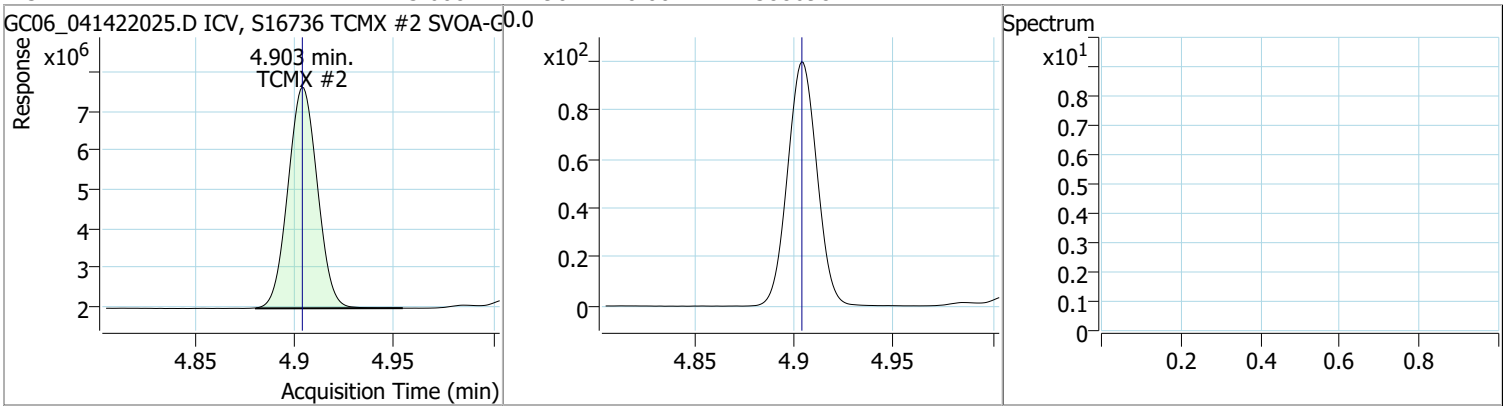


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.251	4.025	1753445	6387792	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.012	4.903	1649222	5886981	22.771	23.609	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	113.85%	118.04%	
S Decachlorobiphenyl	12.365	12.844	6821768	19316489	62.583	59.129	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	312.91% *	295.65% *	
Target Compounds							
T alpha-BHC	----	5.563 f	0	345584	N.D.	1.727 #	ng/ml
T gamma-BHC	5.895	5.839	637656	523516	10.069	2.568 #	ng/ml
T beta-BHC	5.895	5.937	633666	1667899	18.761	13.246 #	ng/ml
T delta-BHC	6.152	6.190	2083861	12938661	22.734	28.239	ng/ml
T Heptachlor	6.358	6.335	826612	5232272	12.250	17.510 #	ng/ml
T Aldrin	6.743	6.663 f	1196771	2297007	16.235	10.383 #	ng/ml
T Heptachlor epoxide	7.598	7.512	1002864	3492430	14.277	14.665	ng/ml
T gamma-Chlordane	7.750	7.825	403	3223540	0.008	12.445 #	ng/ml
T alpha-Chlordane	8.045	8.214 f	447428	30146	8.143	0.165 #	ng/ml

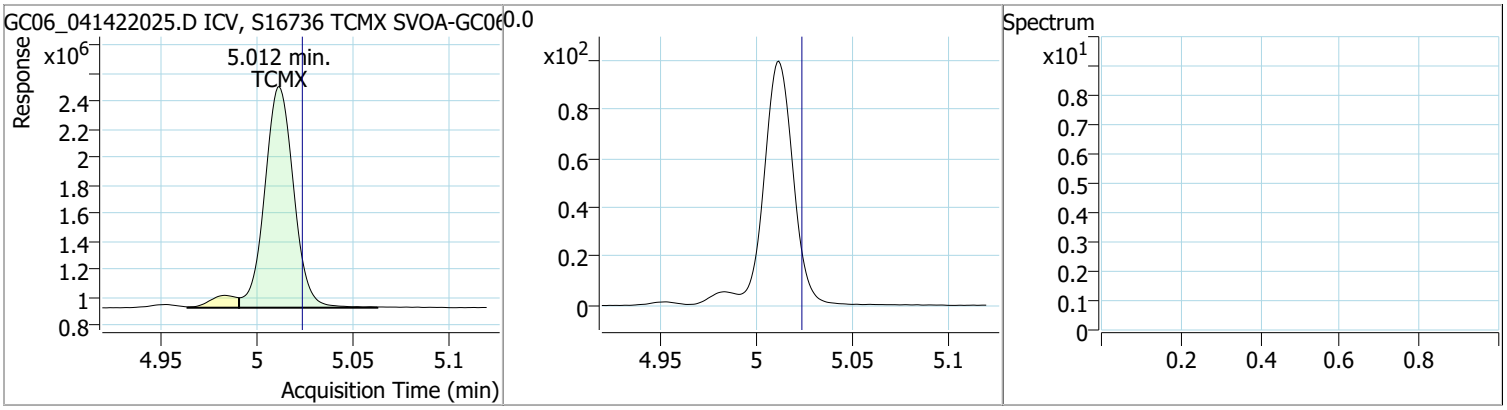
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.274	8.238	455772	17753	8.667	0.108 #	ng/ml
T 4,4'-DDE	8.045	8.498 f	689271	572005	12.913	3.514 #	ng/ml
T Dieldrin	8.618	8.837	2545513	3715515	34.073	18.376 #	ng/ml
T Endrin	9.218	9.521	1971651	1905799	24.244	10.830 #	ng/ml
T 4,4'-DDD	9.310	9.643 f	471768	9806439	12.167	50.492 #	ng/ml
T Endosulfan II	9.613	9.938 f	16477	7866789	0.343	30.259 #	ng/ml
T 4,4'-DDT	9.762	10.239	3042557	13813267	46.130	45.912	ng/ml
T Endrin aldehyde	10.334	10.373	2145465	7124371	41.174	38.621	ng/ml
T Endosulfan sulfate	10.853	10.767	51876	8477372	1.214	39.209 #	ng/ml
T Methoxychlor	10.586	11.068 f	222120	16981204	8.033	142.595 #	ng/ml
T Endrin ketone	11.200	11.468 f	1304087	11080565	21.220	40.351 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

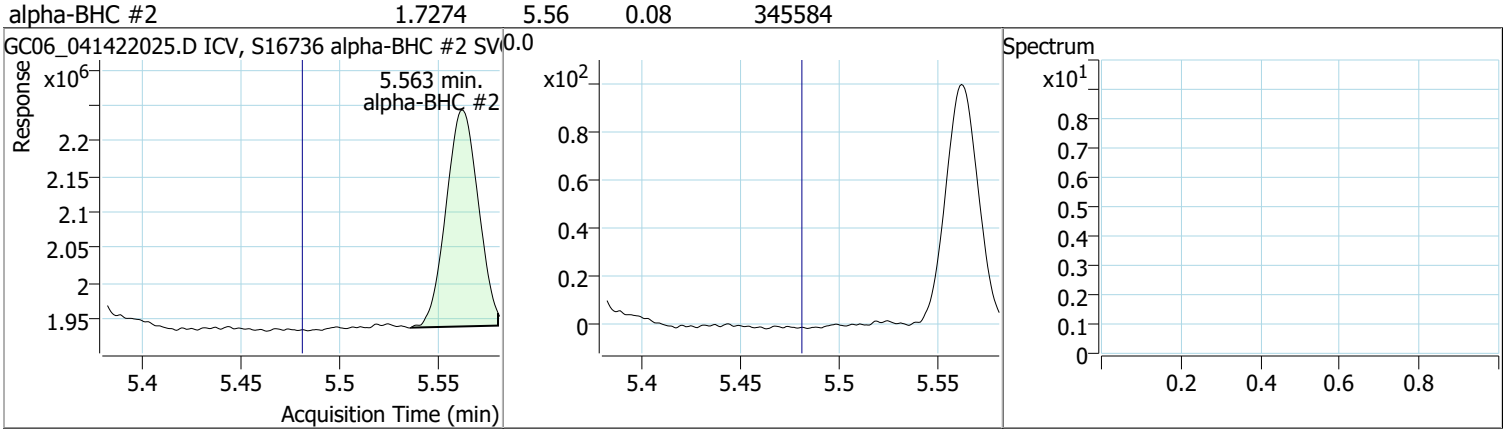
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	23.6087	4.90	0.00	5886981			



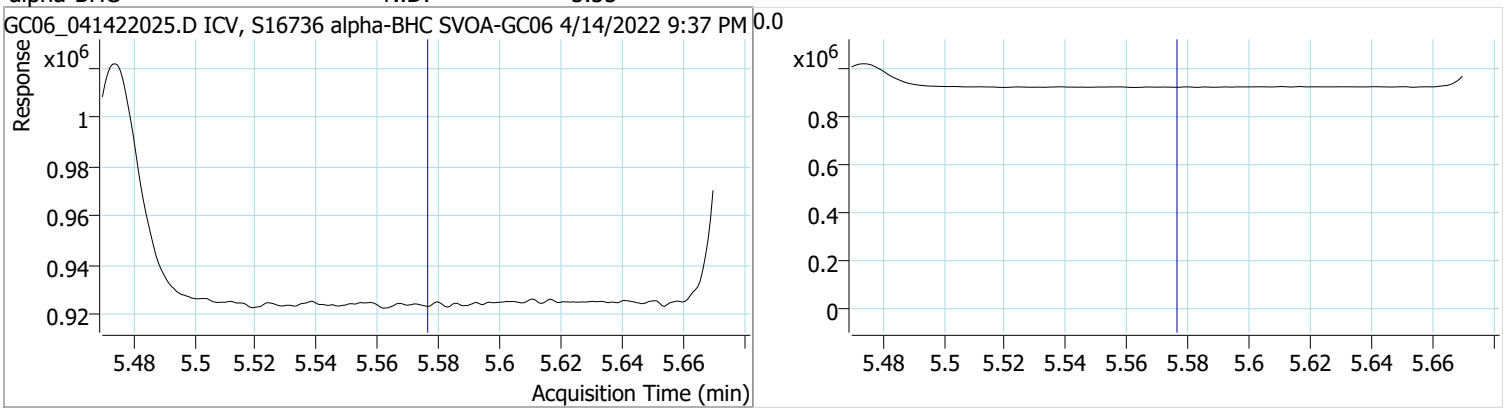
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	22.7706	5.01	0.01	1649222			



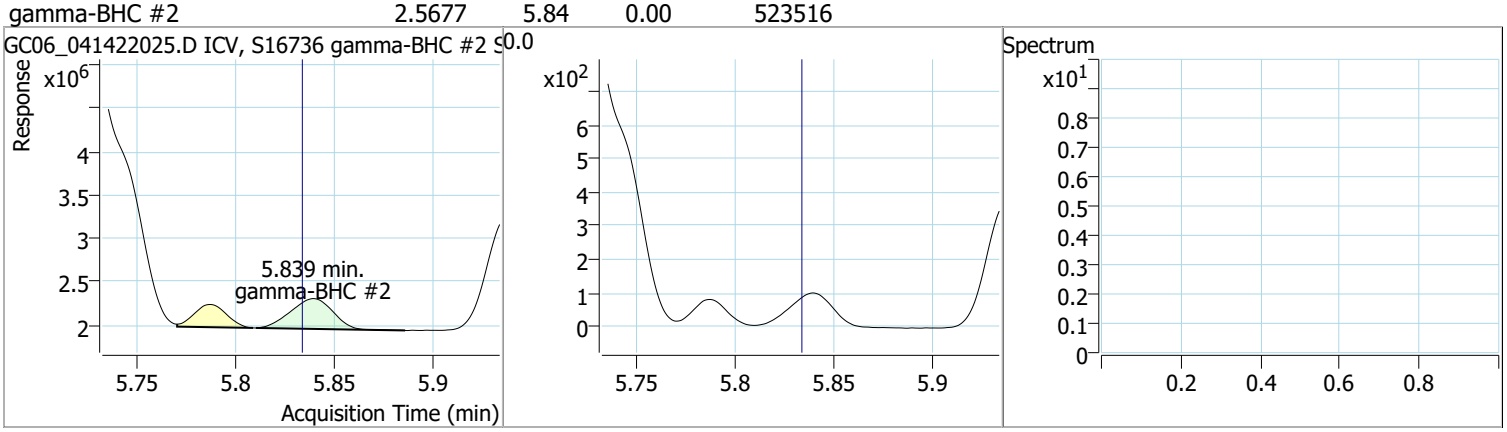
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	1.7274	5.56	0.08	345584			



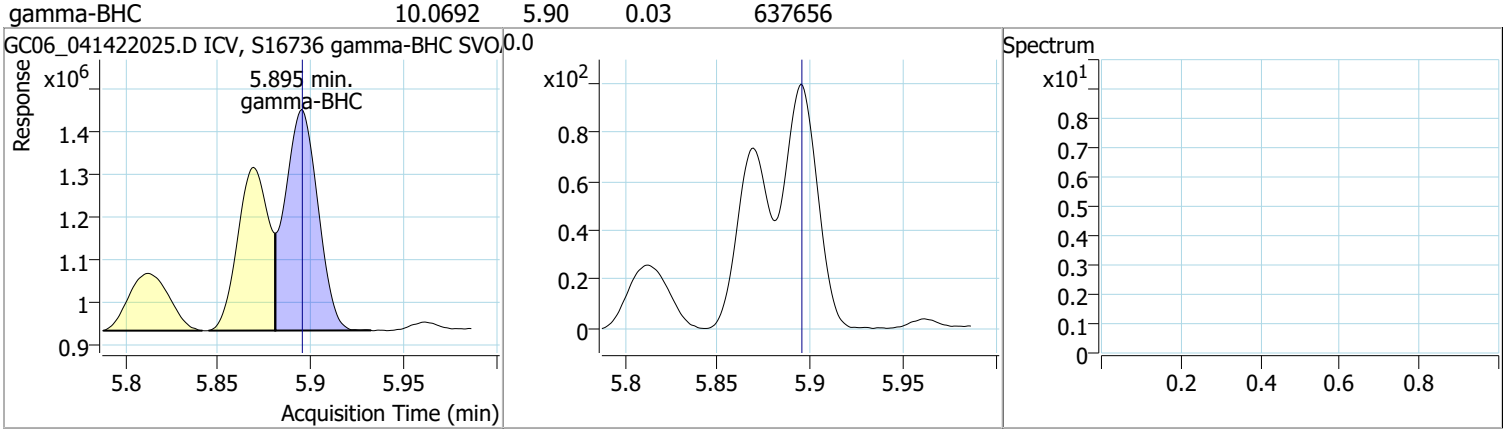
Compound	Conc.		Exp Ratio
alpha-BHC	N.D.	5.55	



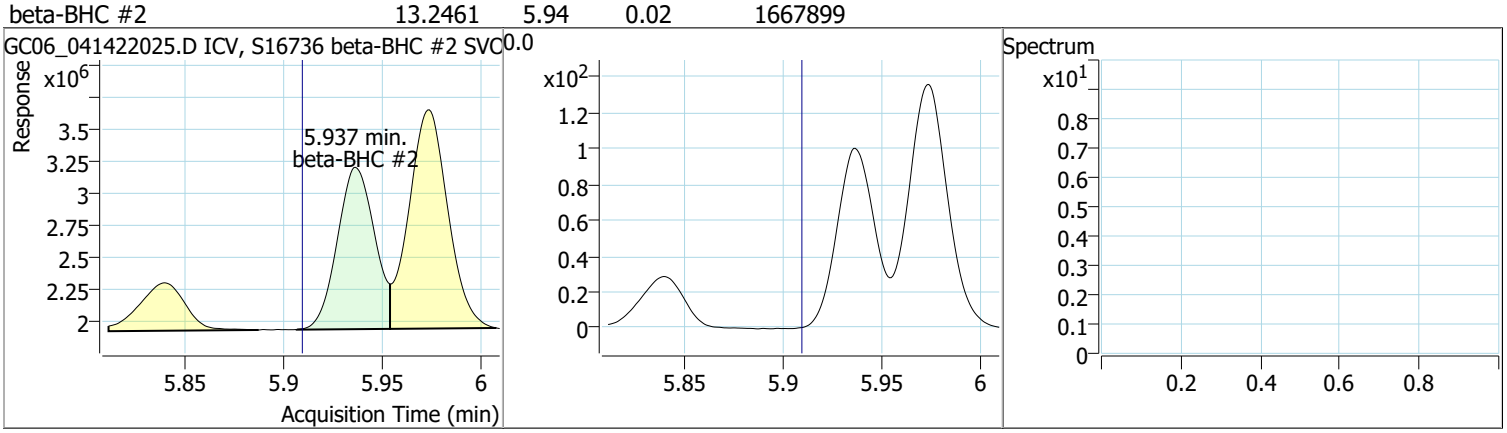
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	2.5677	5.84	0.00	523516			



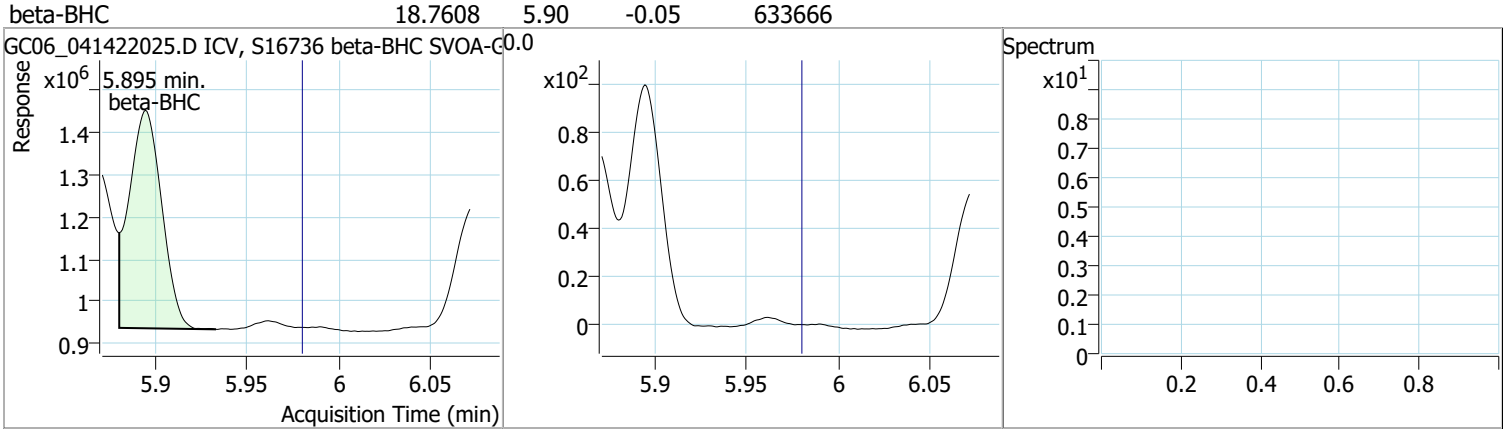
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	10.0692	5.90	0.03	637656			



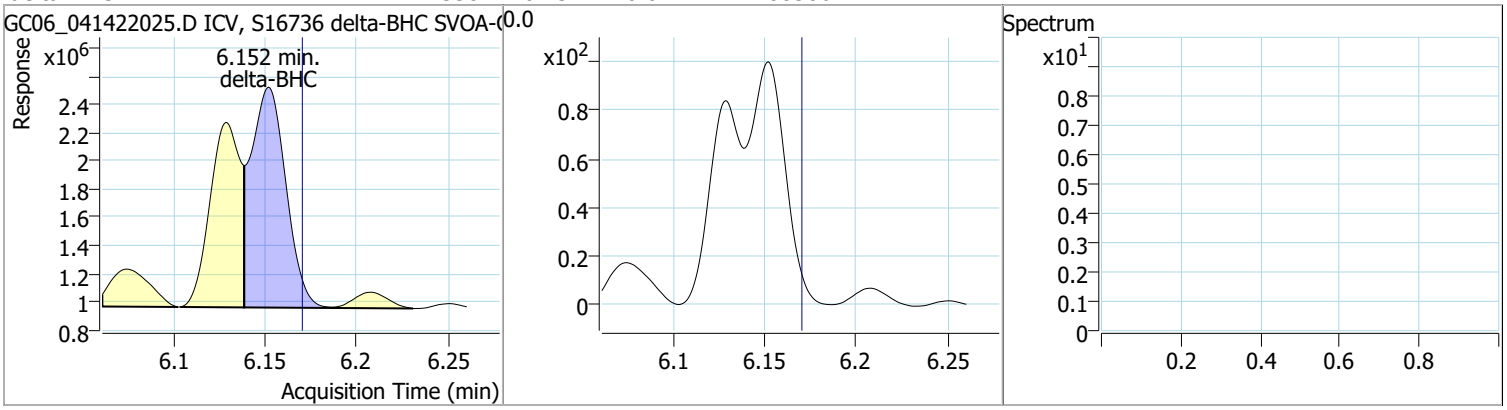
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	13.2461	5.94	0.02	1667899			



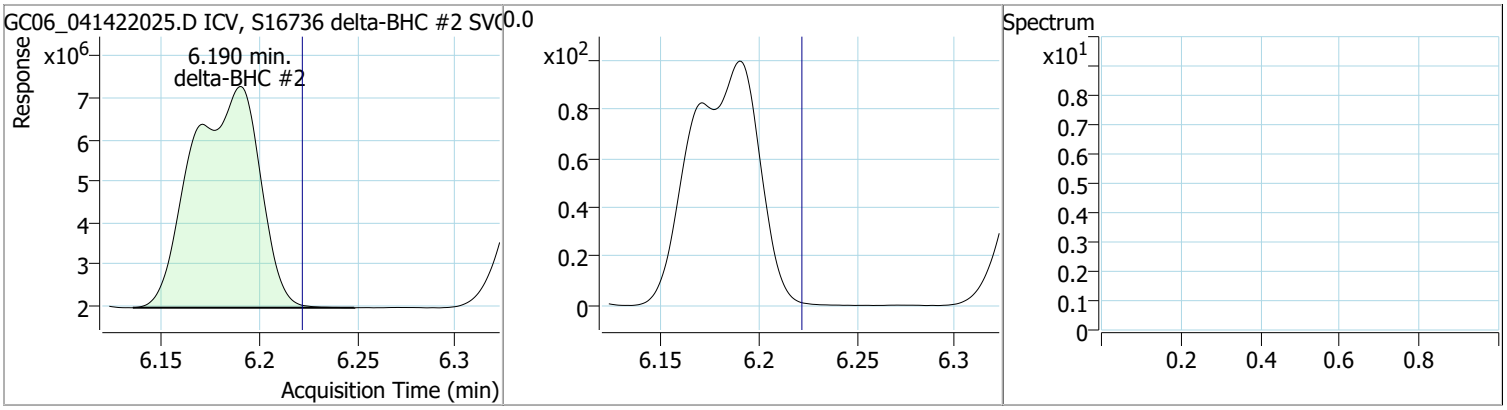
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	18.7608	5.90	-0.05	633666			



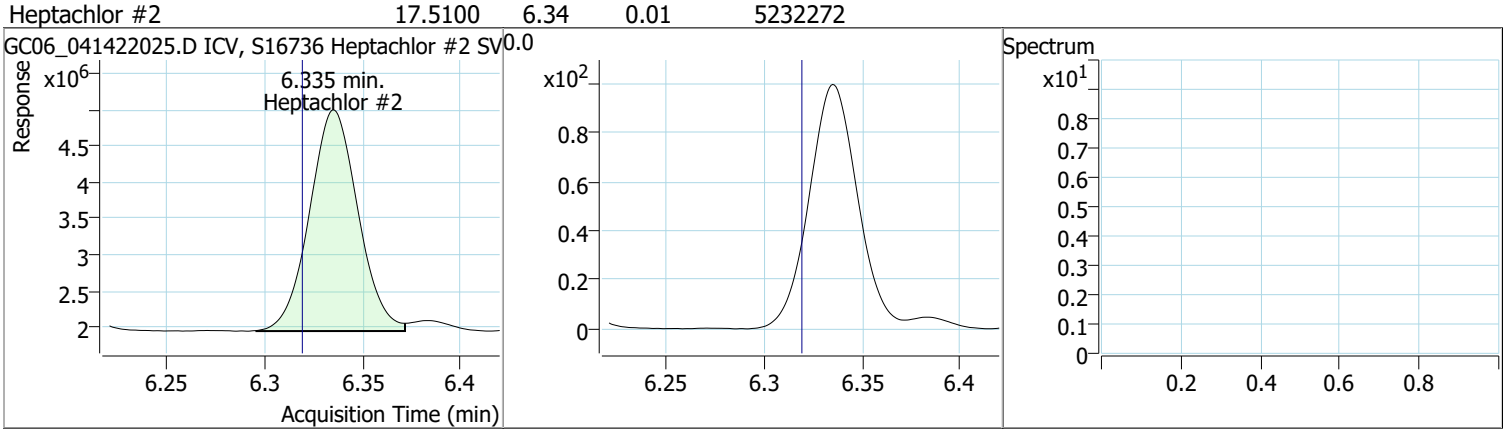
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	22.7338	6.15	0.01	2083861			



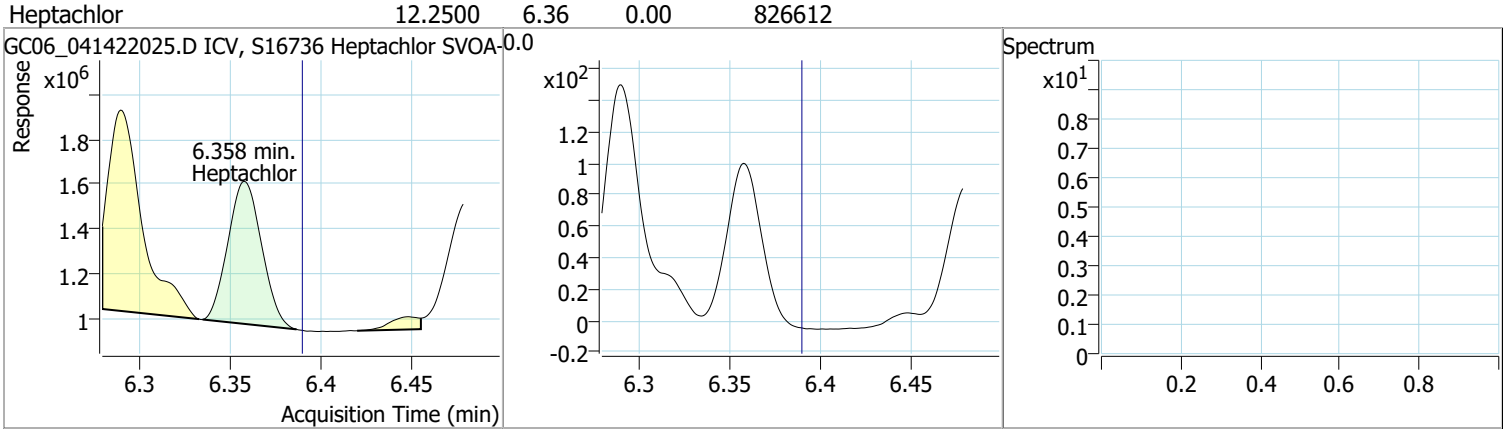
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	28.2394	6.19	-0.03	12938661			



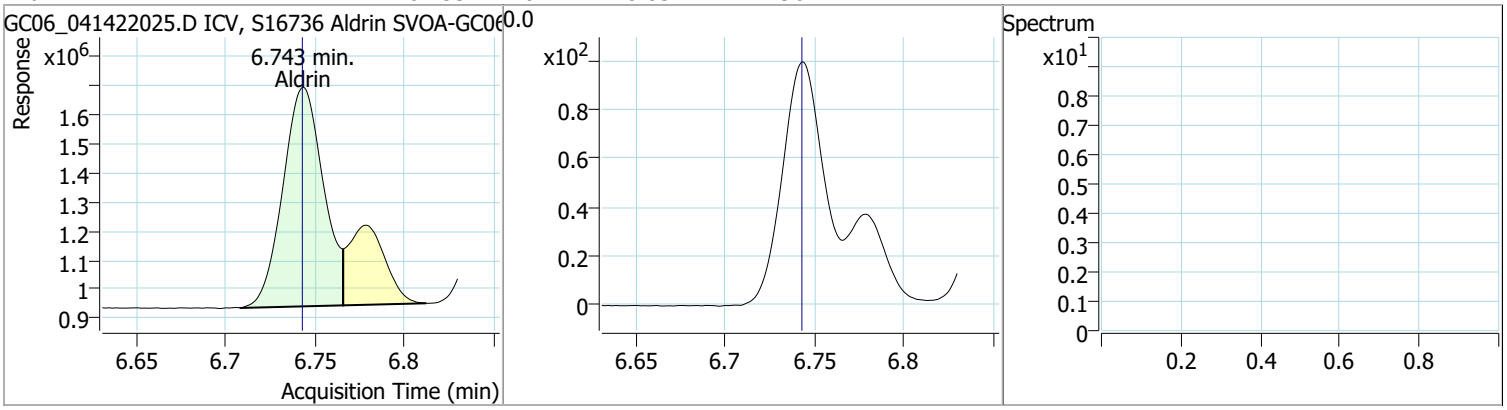
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	17.5100	6.34	0.01	5232272			



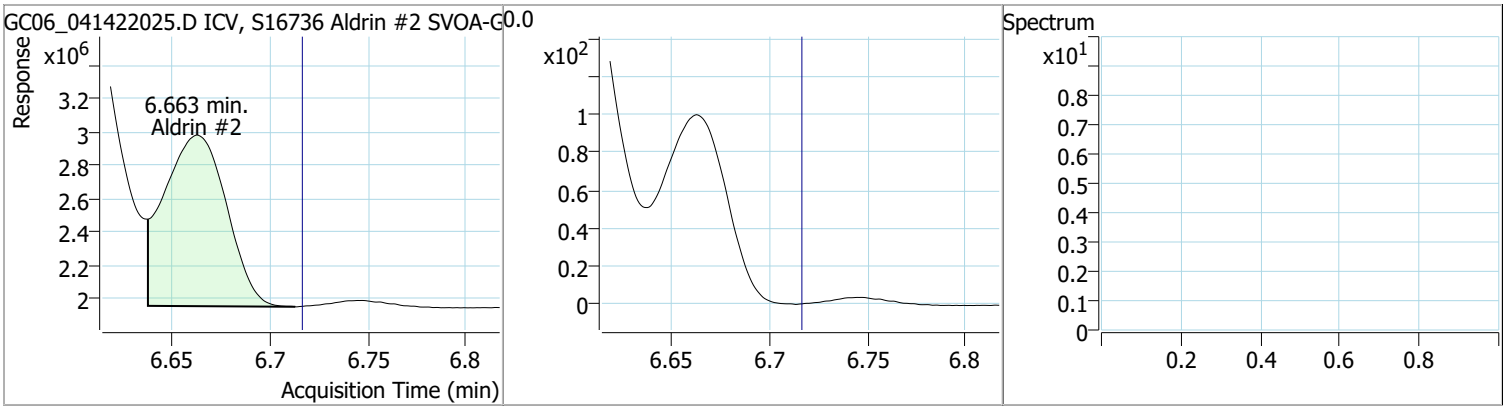
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	12.2500	6.36	0.00	826612			



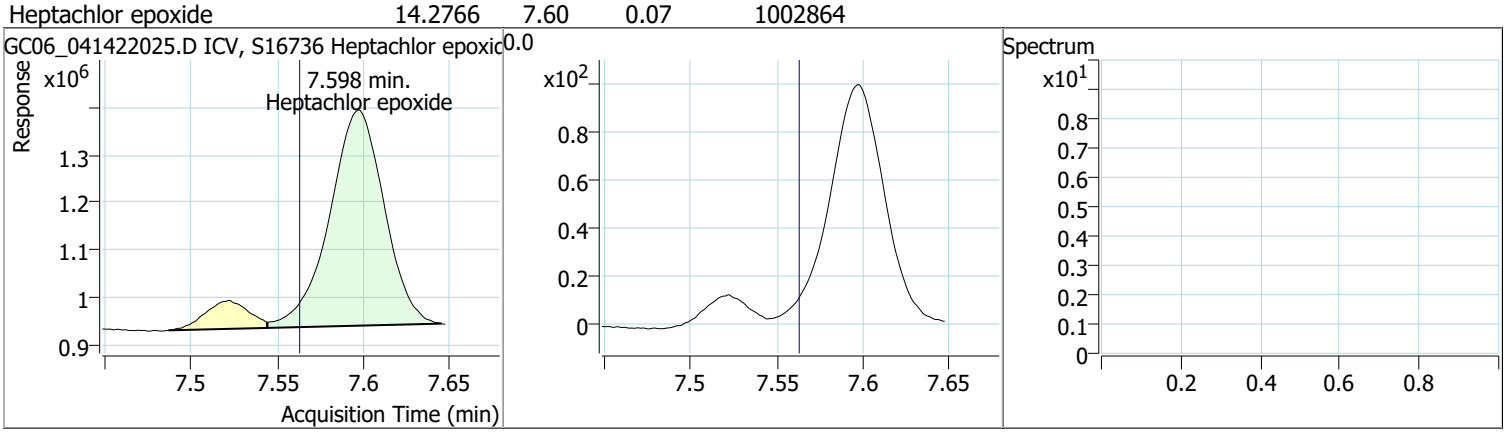
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	16.2351	6.74	0.03	1196771			



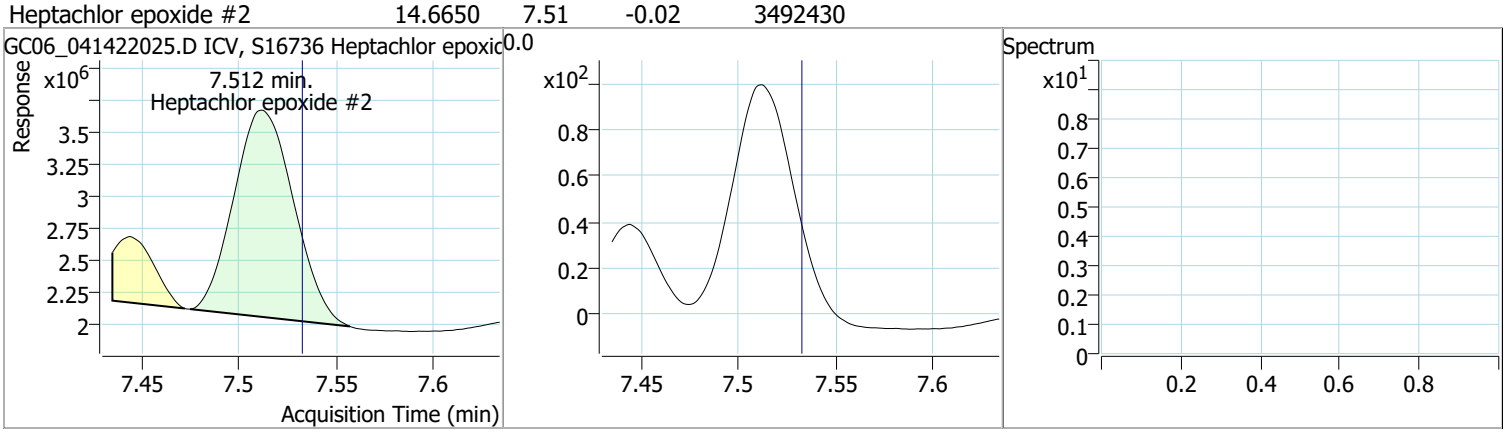
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	10.3830	6.66	-0.06	2297007			



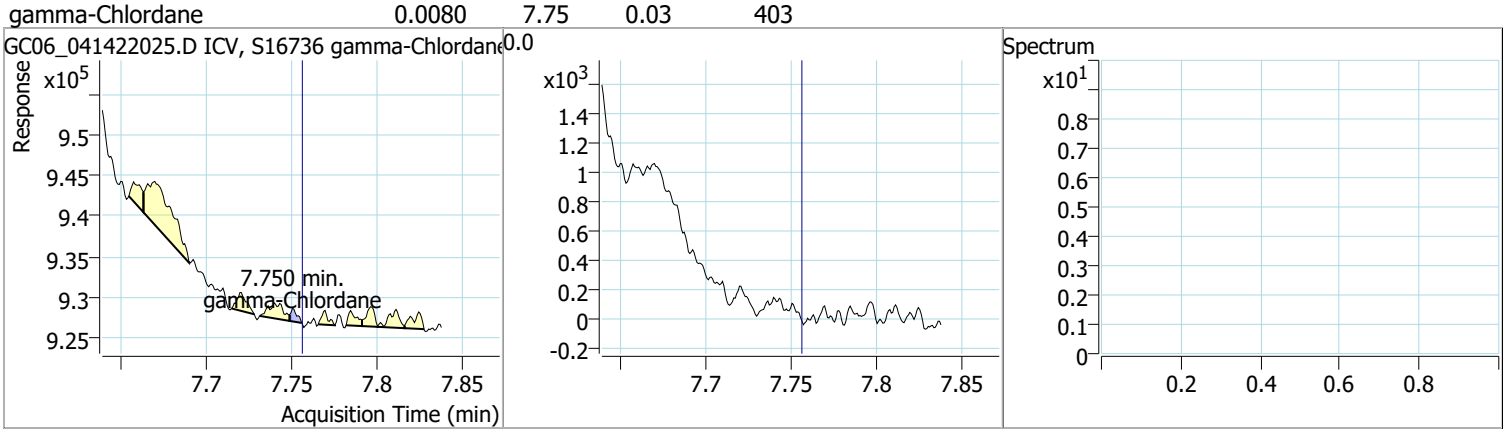
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	14.2766	7.60	0.07	1002864			



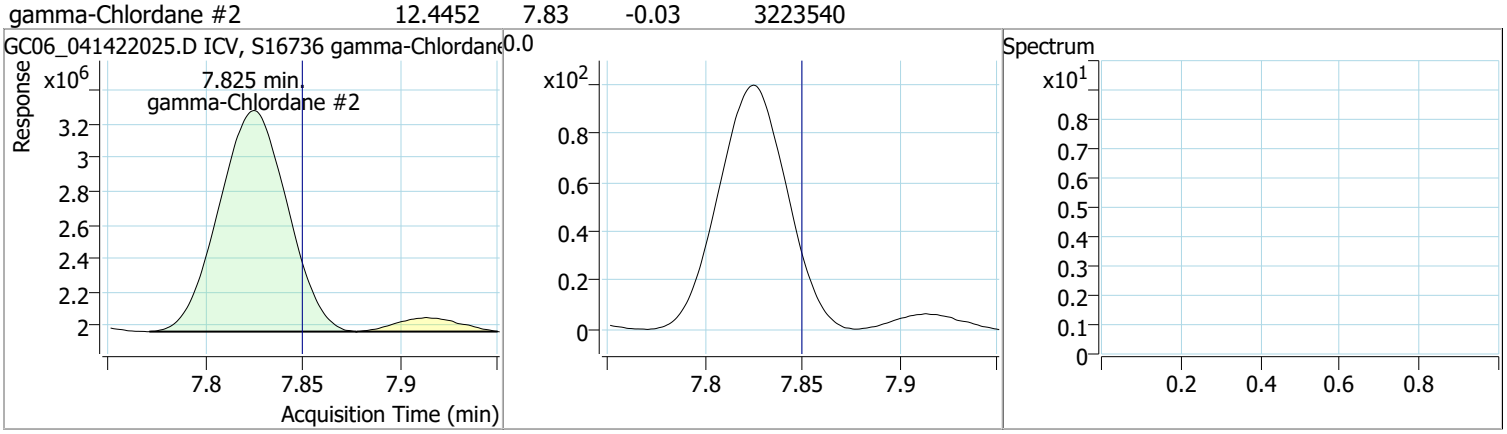
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	14.6650	7.51	-0.02	3492430			



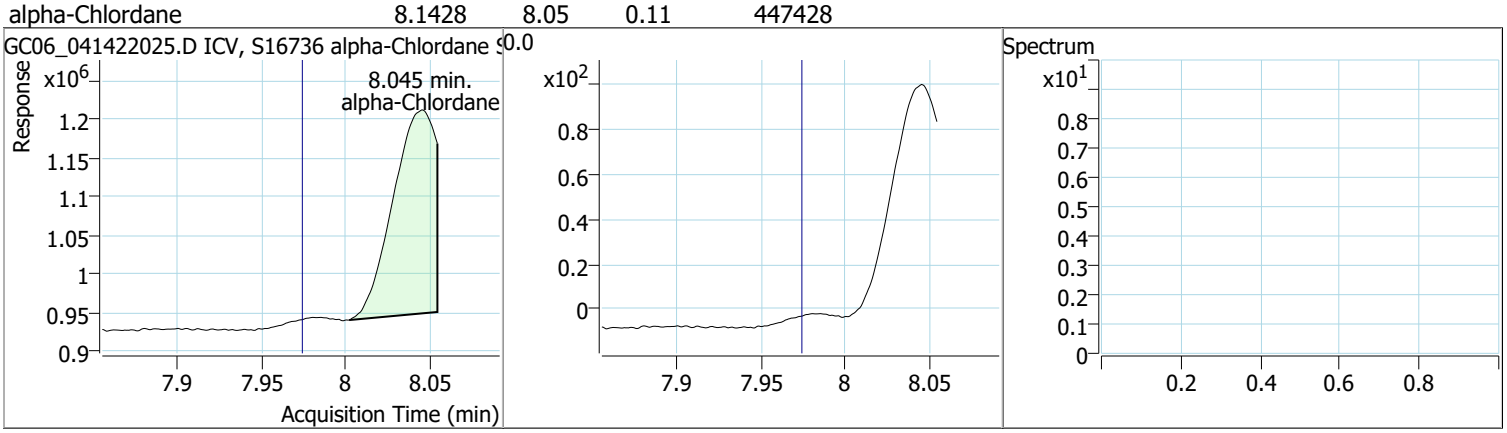
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0080	7.75	0.03	403			



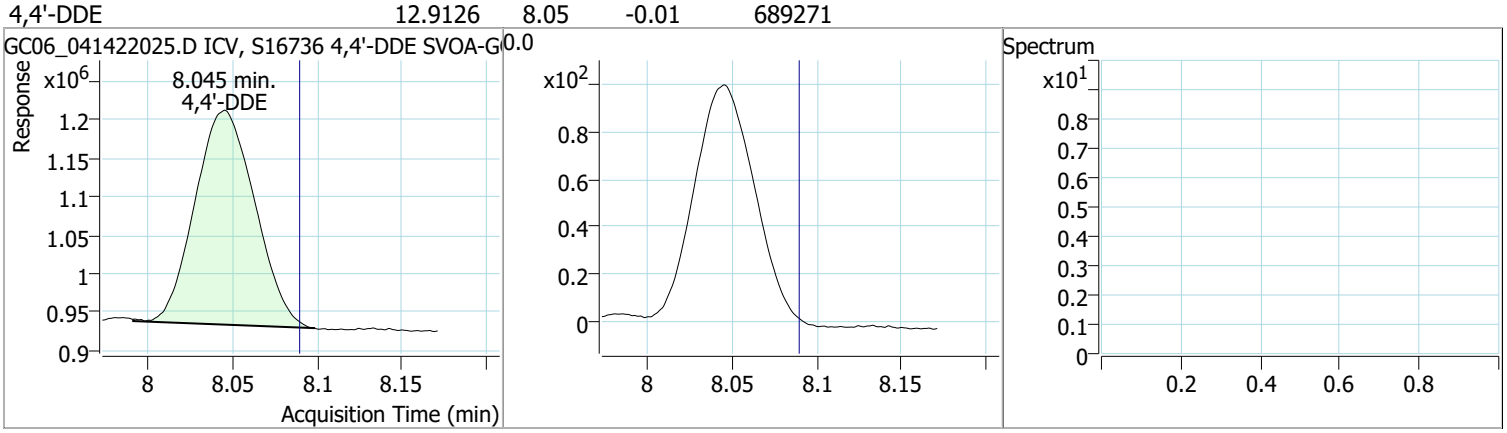
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	12.4452	7.83	-0.03	3223540			



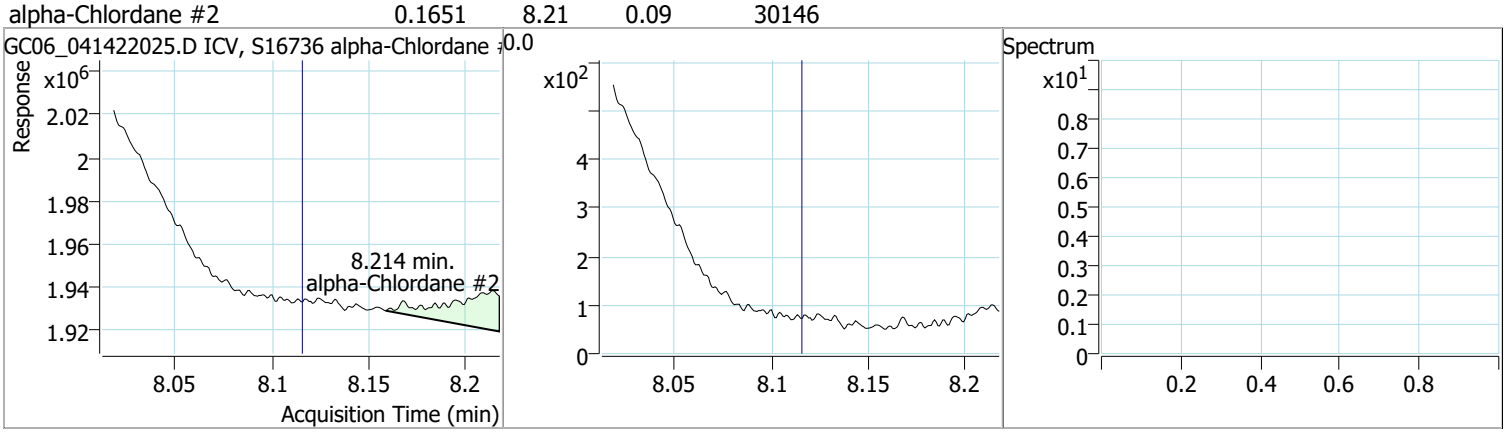
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	8.1428	8.05	0.11	447428			



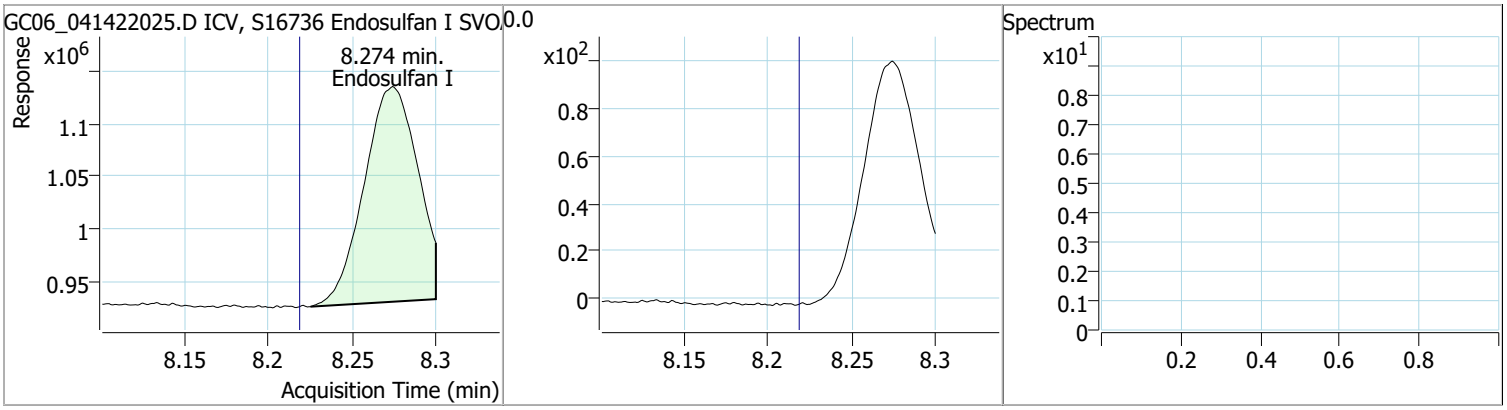
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	12.9126	8.05	-0.01	689271			



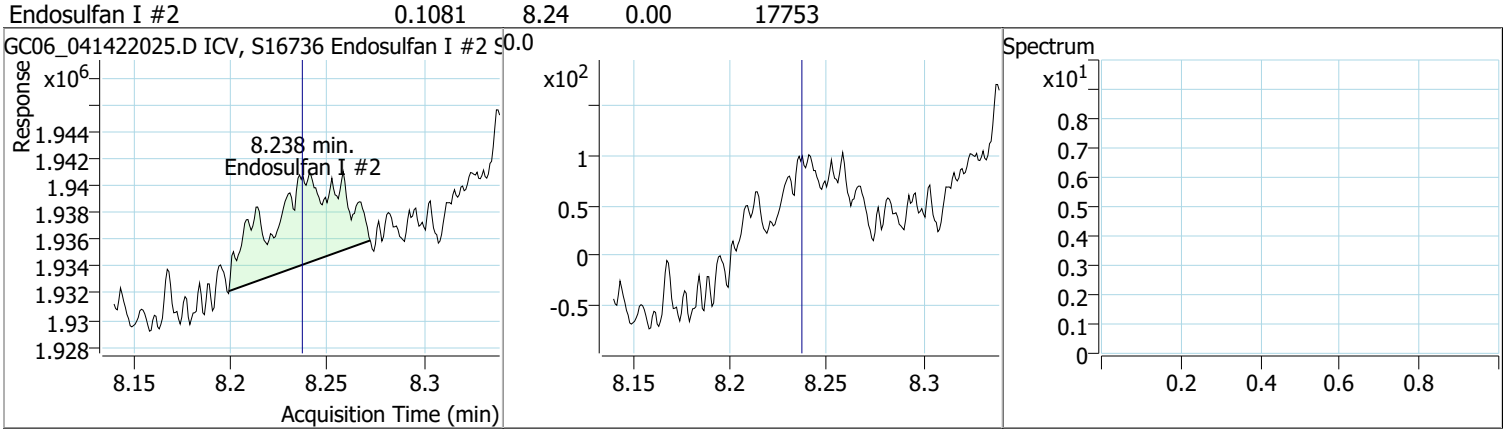
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.1651	8.21	0.09	30146		



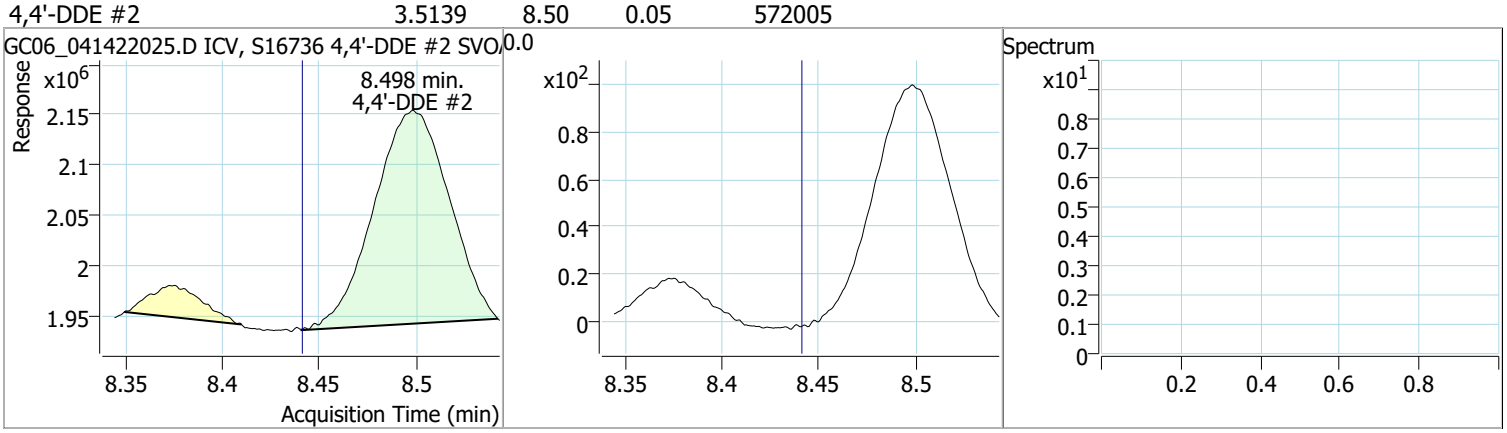
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	8.6675	8.27	0.10	455772		



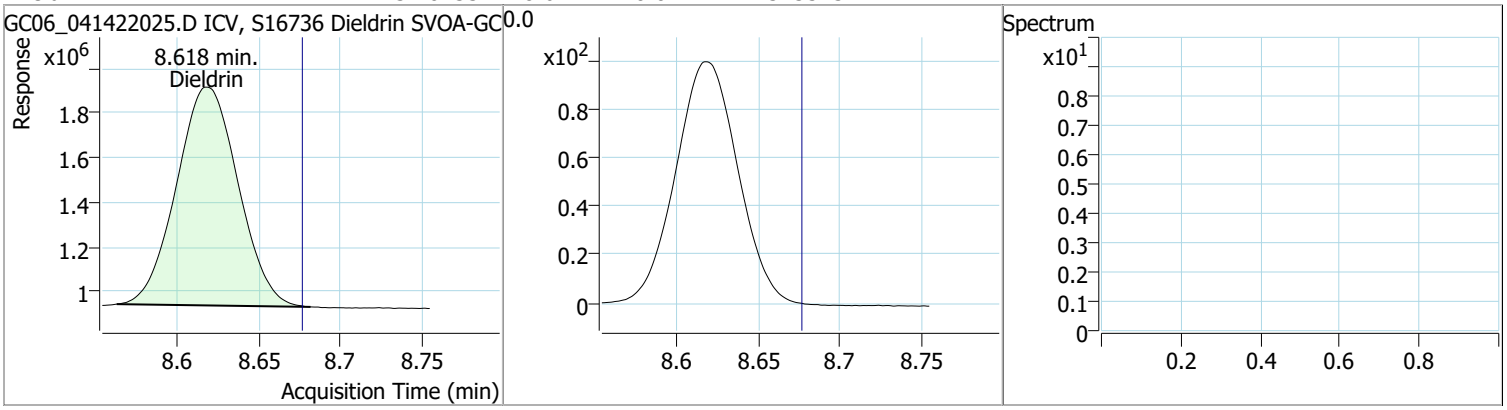
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.1081	8.24	0.00	17753		



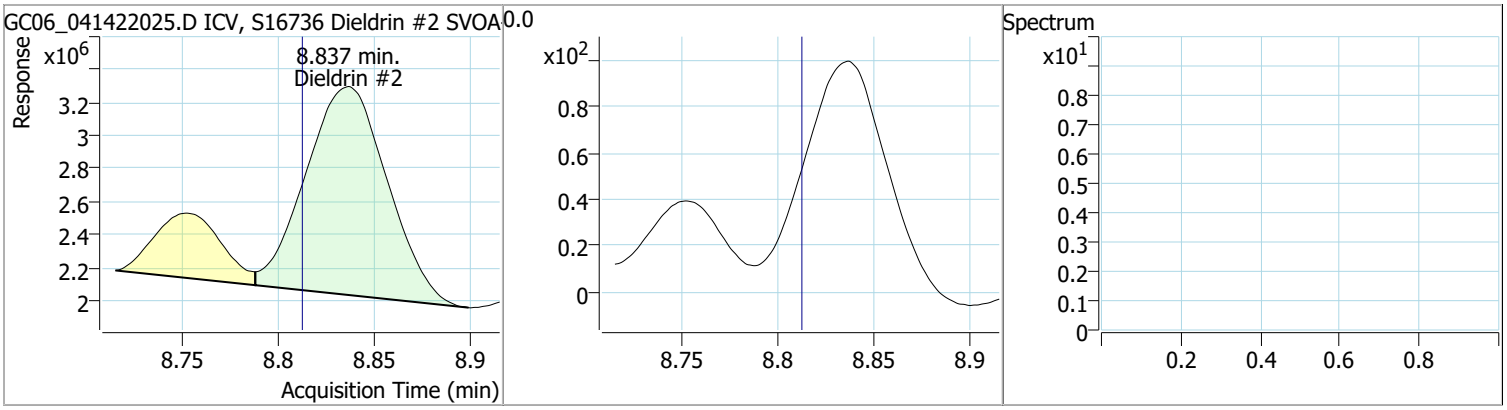
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	3.5139	8.50	0.05	572005		



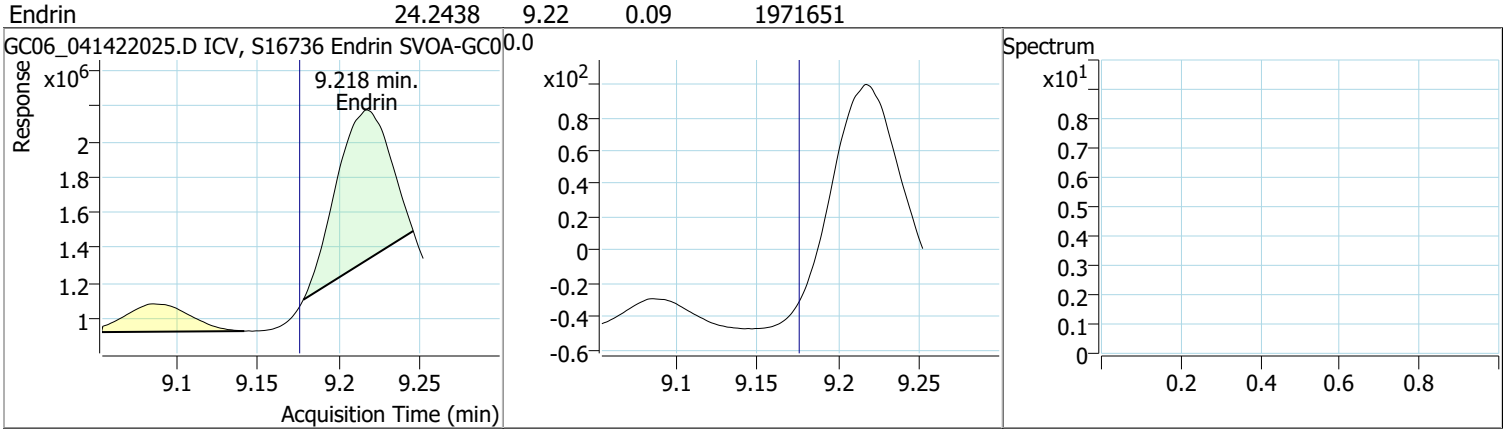
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Dieldrin	34.0733	8.62	-0.01	2545513		



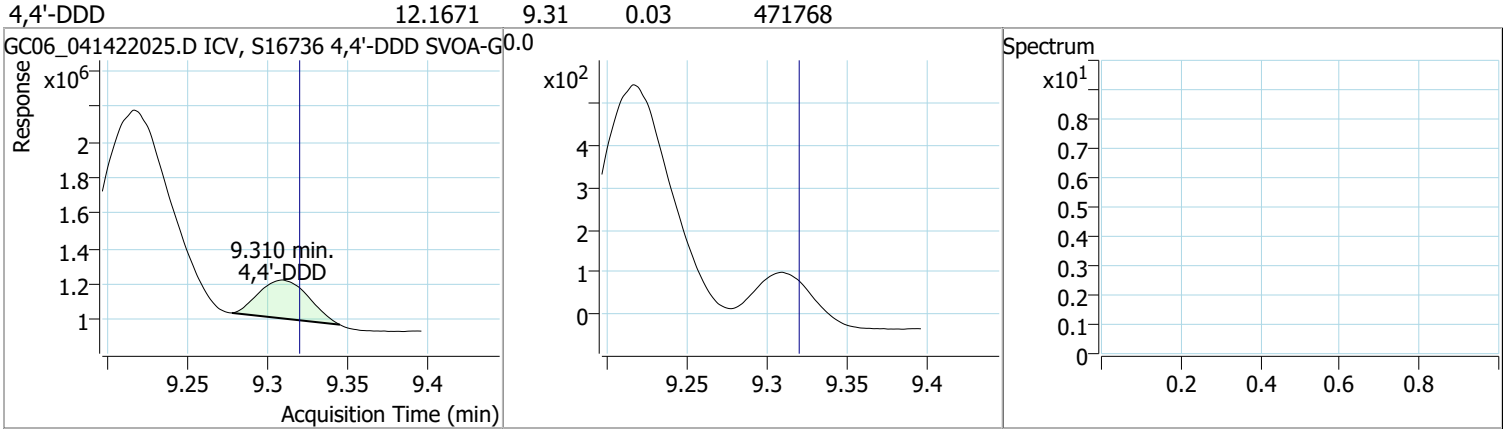
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	18.3757	8.84	0.02	3715515		



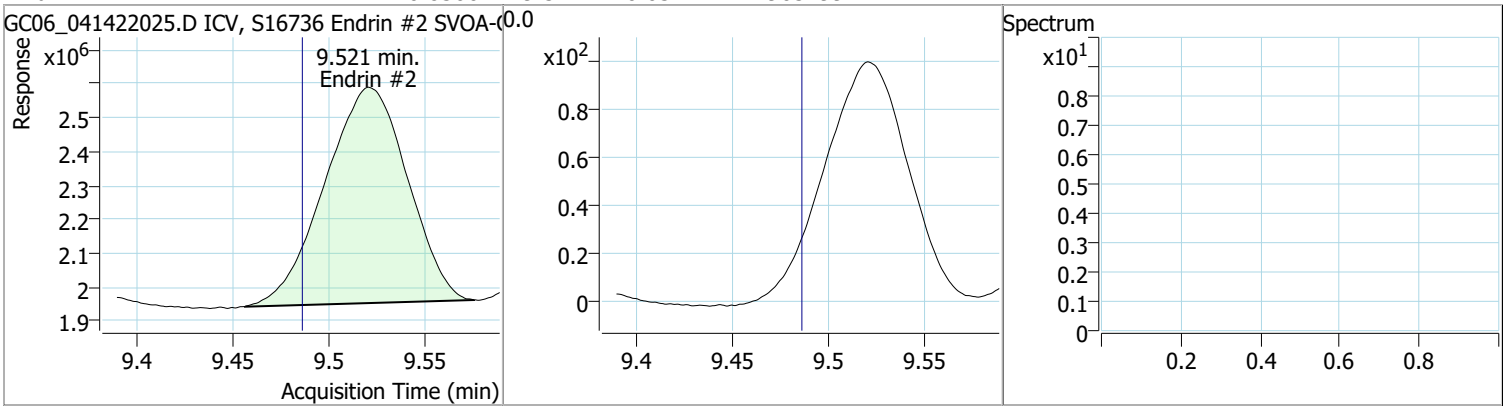
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endrin	24.2438	9.22	0.09	1971651		



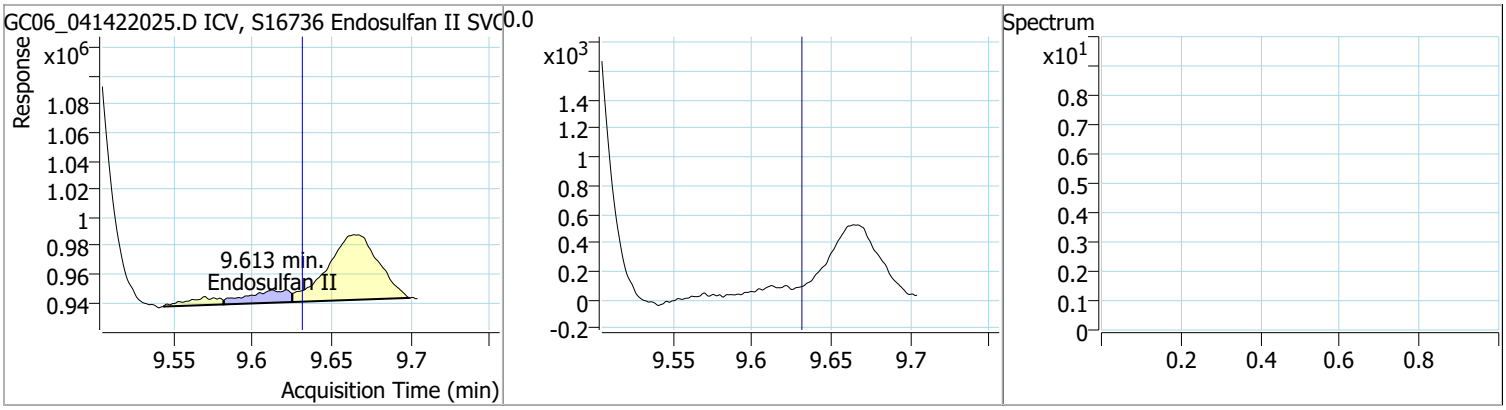
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	12.1671	9.31	0.03	471768		



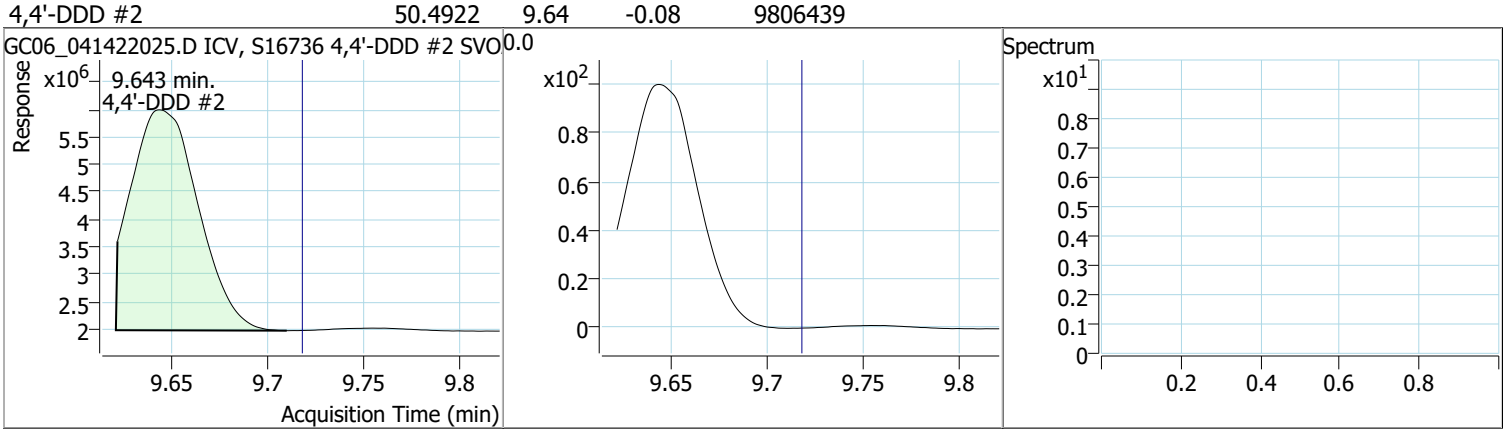
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	10.8300	9.52	0.03	1905799			



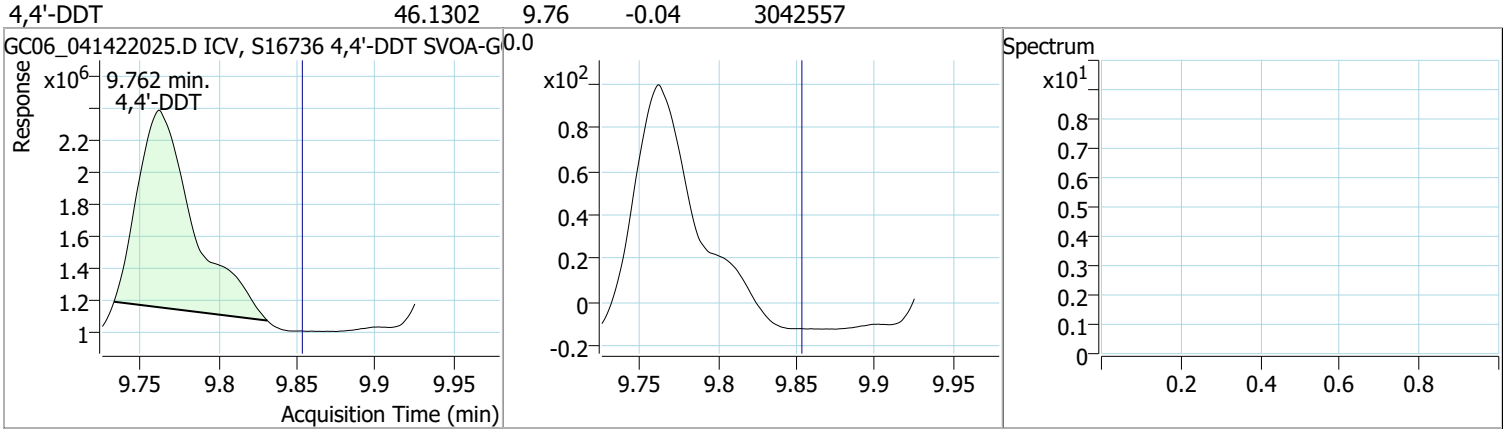
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	0.3425	9.61	0.03	16477			



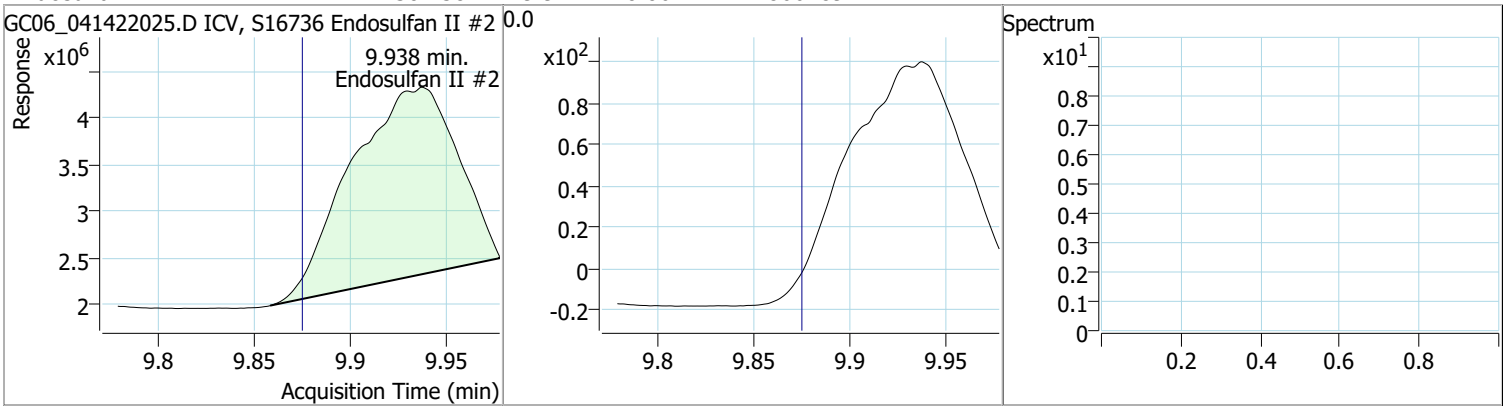
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	50.4922	9.64	-0.08	9806439			



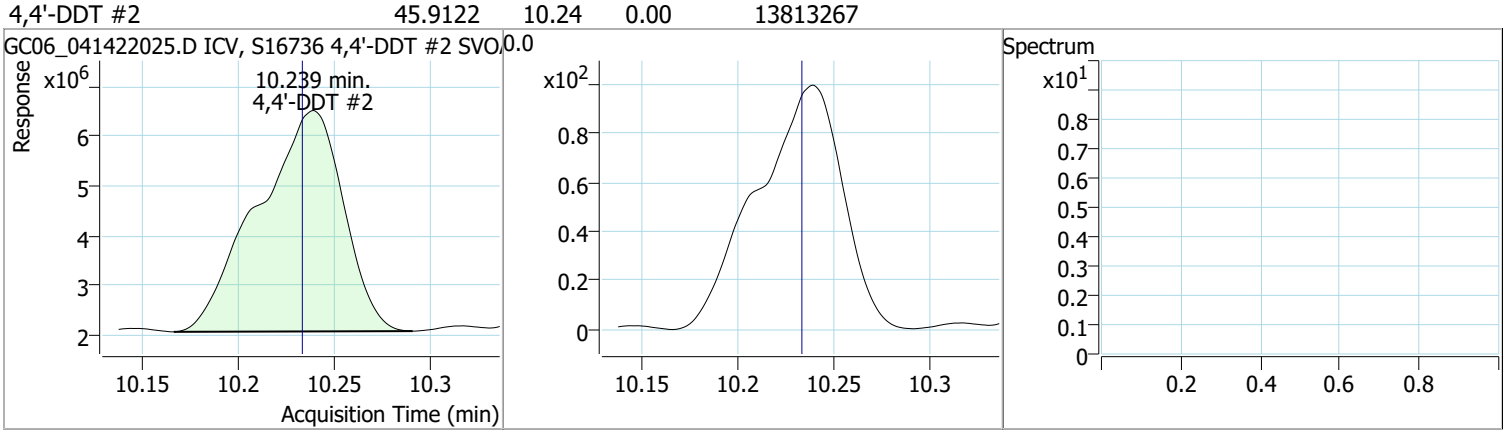
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	46.1302	9.76	-0.04	3042557			



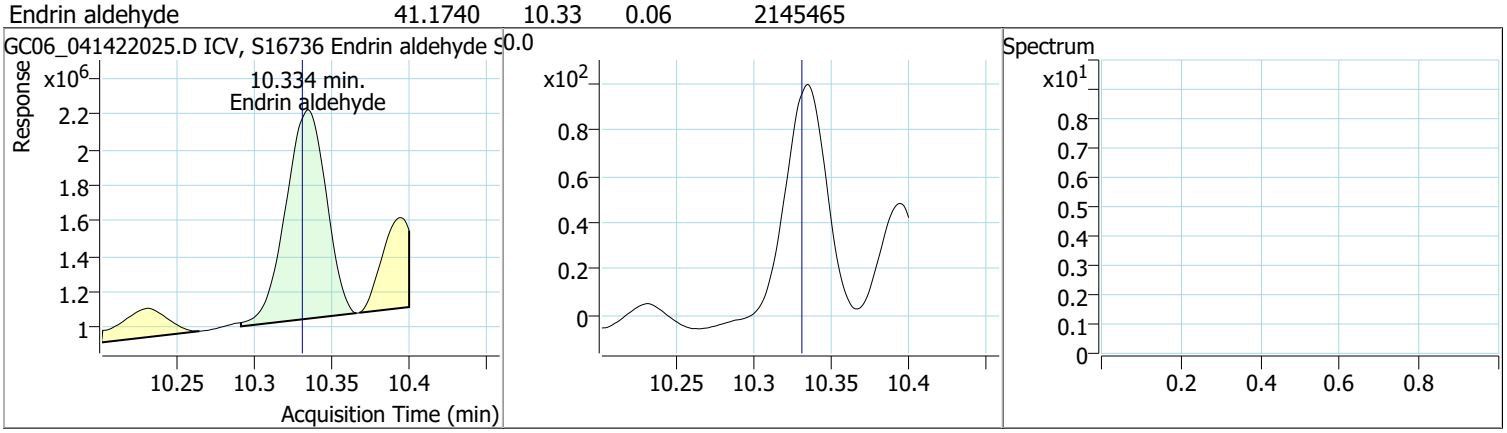
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	30.2587	9.94	0.06	7866789			



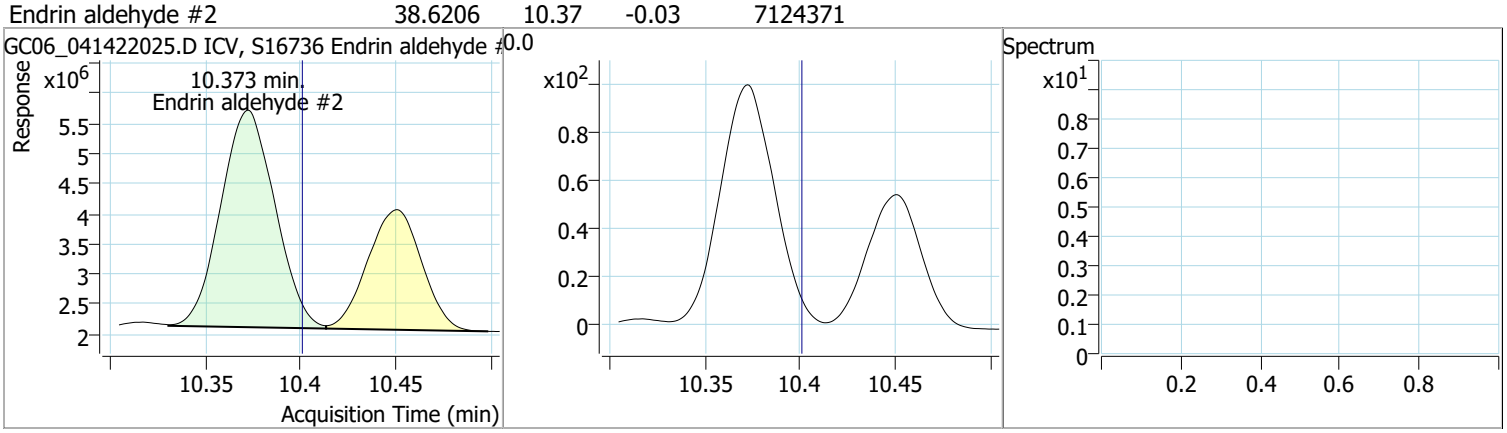
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	45.9122	10.24	0.00	13813267			



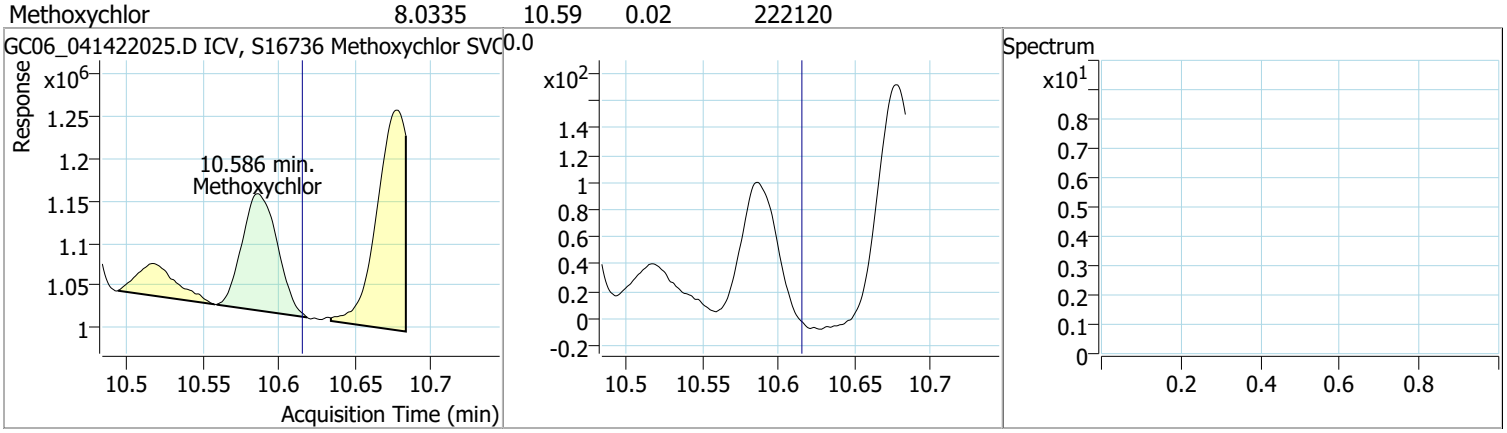
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	41.1740	10.33	0.06	2145465			



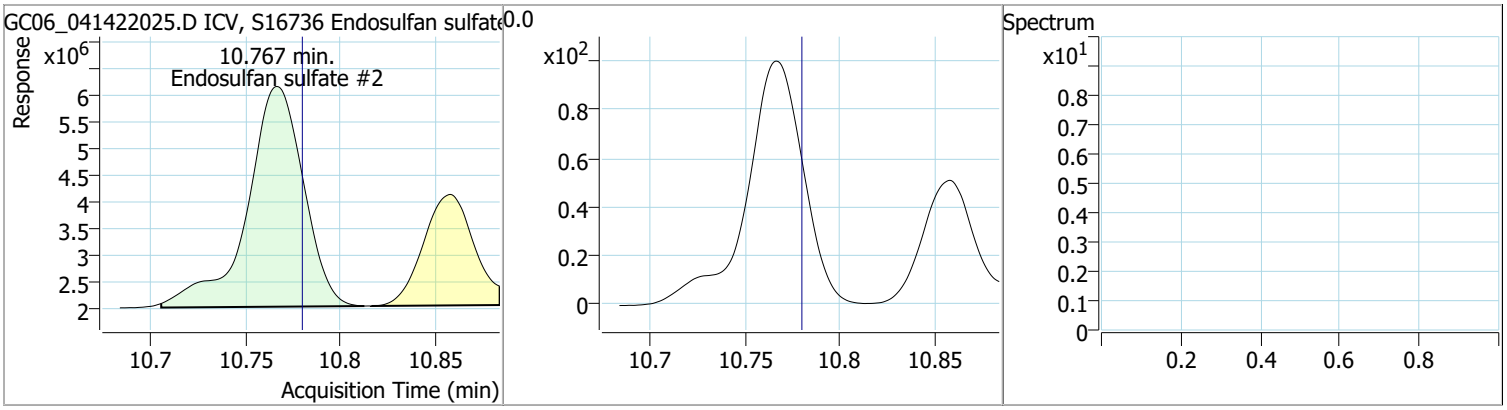
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	38.6206	10.37	-0.03	7124371			



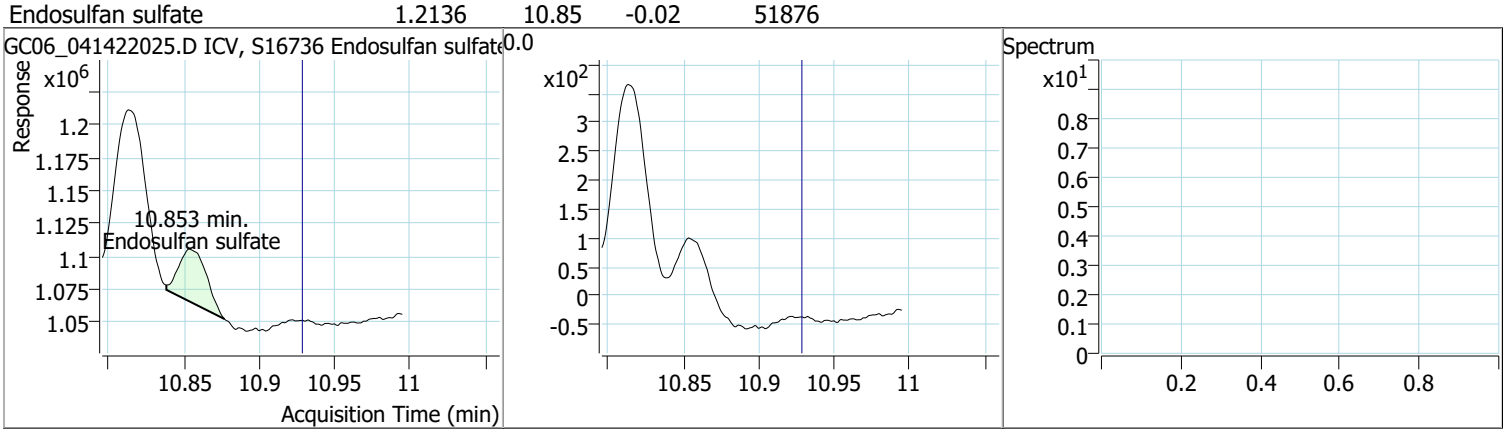
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	8.0335	10.59	0.02	222120			



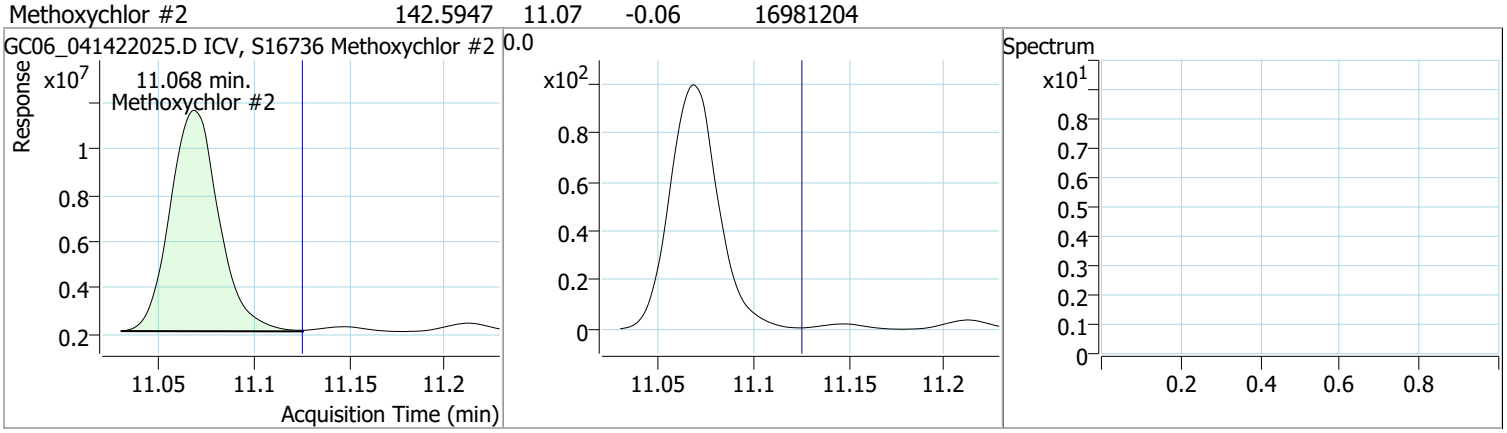
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	39.2094	10.77	-0.02	8477372			



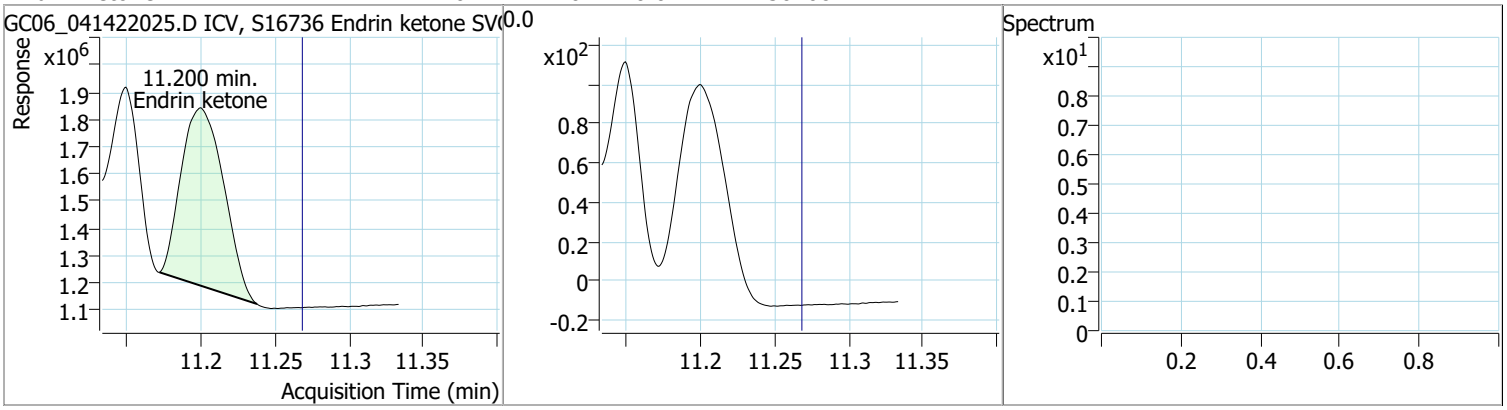
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	1.2136	10.85	-0.02	51876			



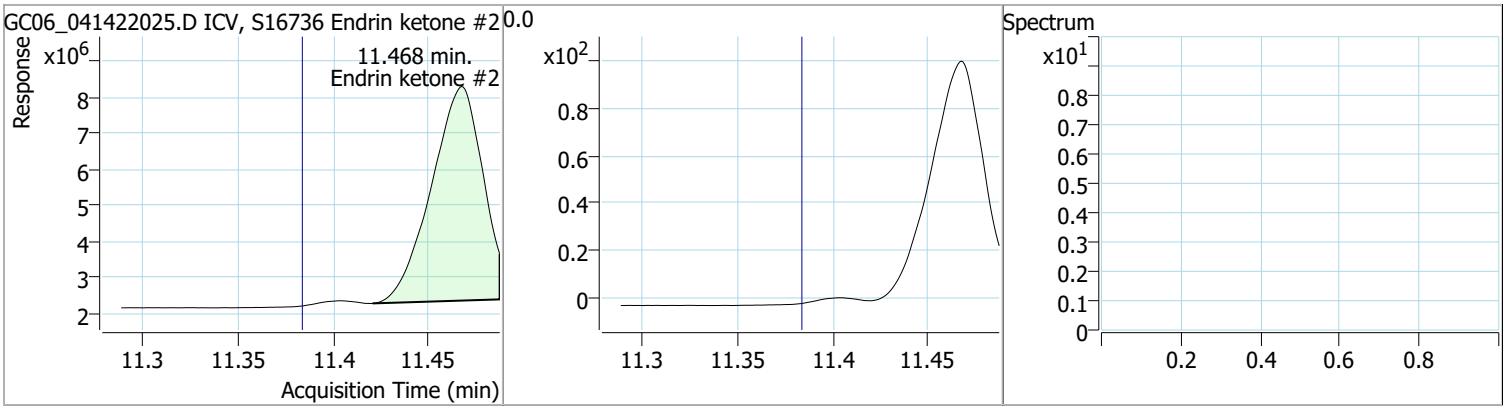
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	142.5947	11.07	-0.06	16981204			



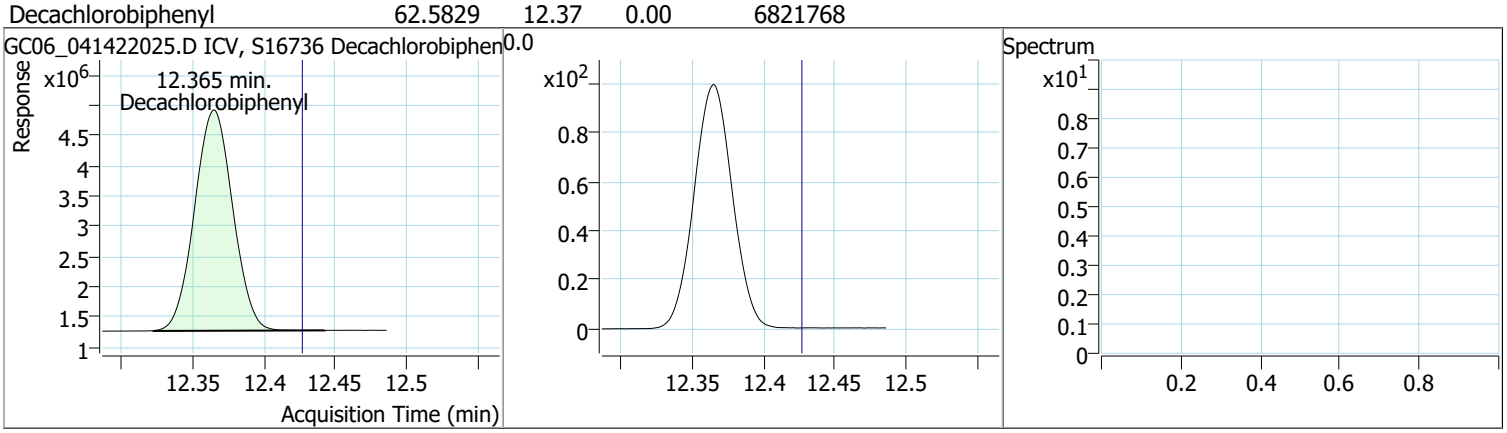
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	21.2201	11.20	-0.01	1304087			



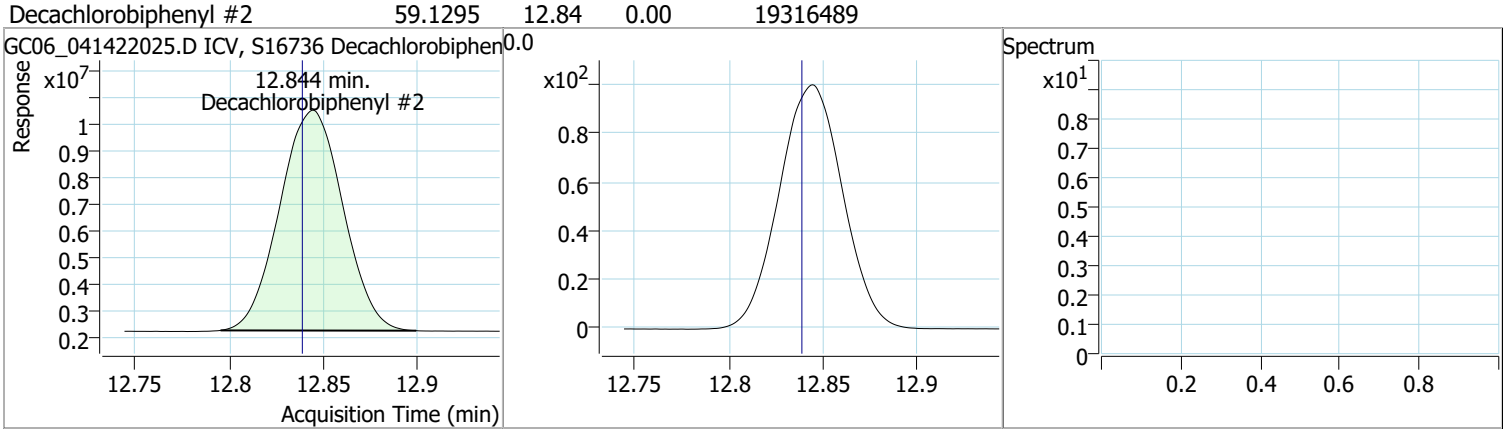
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	40.3514	11.47	0.08	11080565			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	62.5829	12.37	0.00	6821768			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	59.1295	12.84	0.00	19316489			



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 467769 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452343556002	File:	gc06_082622002	Time:	26-AUG-2022 13:56
Cal:	452150634002	Caldate:	14-APR-2022		

Standards: S17055

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	550.8	ug/L	10	15	0.0000	
Aroclor-1260	A			500.0	569.3	ug/L	14	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.5203	1.7501	20.00	23.02	ug/L	15	15	0.0000	
TCMX (PCB)	A	0.9618	1.9034	20.00	39.58	ug/L	**98**	15	0.0000	c+
Aroclor-1016	B			500.0	579.5	ug/L	**16**	15	0.0000	**c+** ***
Aroclor-1260	B			500.0	605.4	ug/L	**21**	15	0.0000	**c+** ***
Decachlorobiphenyl (PCB)	B	1.2065	1.6012	20.00	26.54	ug/L	**33**	15	0.0000	c+
TCMX (PCB)	B	0.9158	1.9823	20.00	43.29	ug/L	**116**	15	0.0000	c+

ISTD (ICAL gc06_041422016)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6493014	8218495	26.57
1-bromo-2-nitrobenzene (PCB)	A	1831488	1919479	4.80

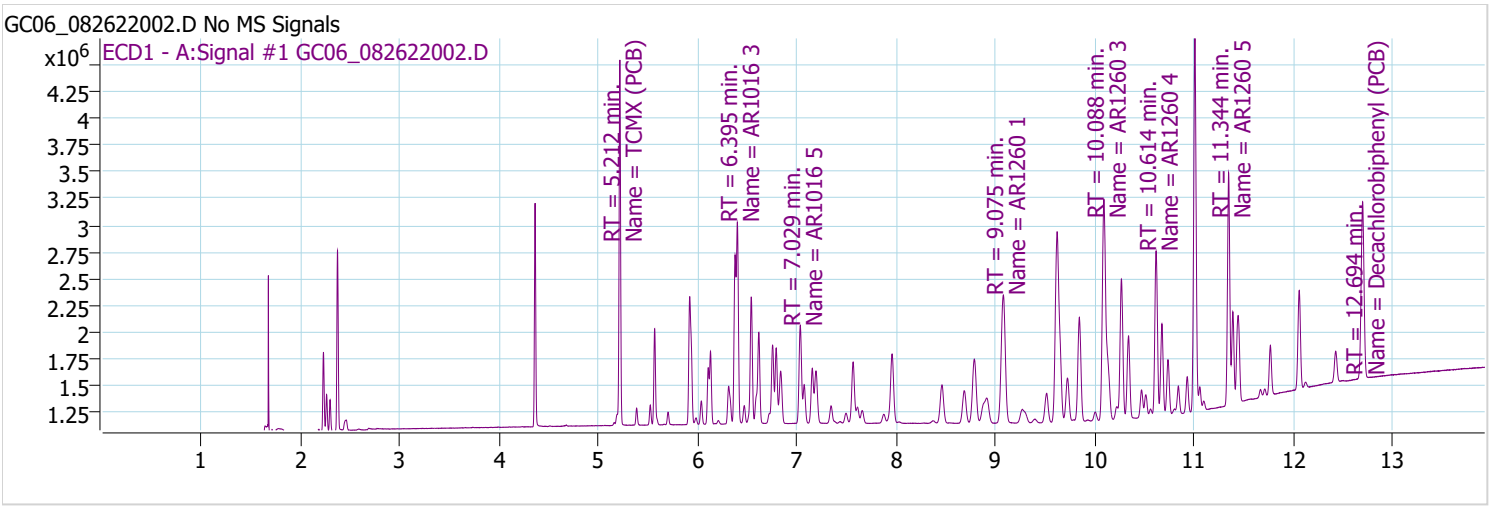
TRN 08/26/22 : Report from CH A

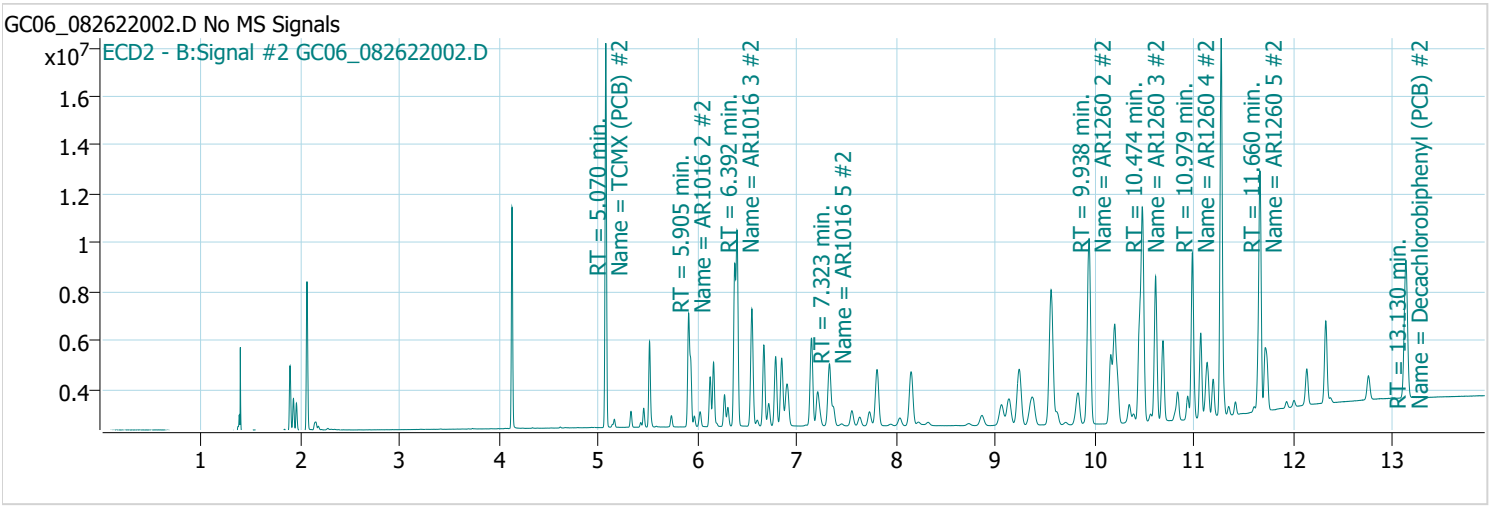
+=high bias c=CCV

Analyst: TRN 08/26/22 **Reviewer:** SLL 08/29/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622002.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 1:56:28 PM
Sample Name	CCV, S17055	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



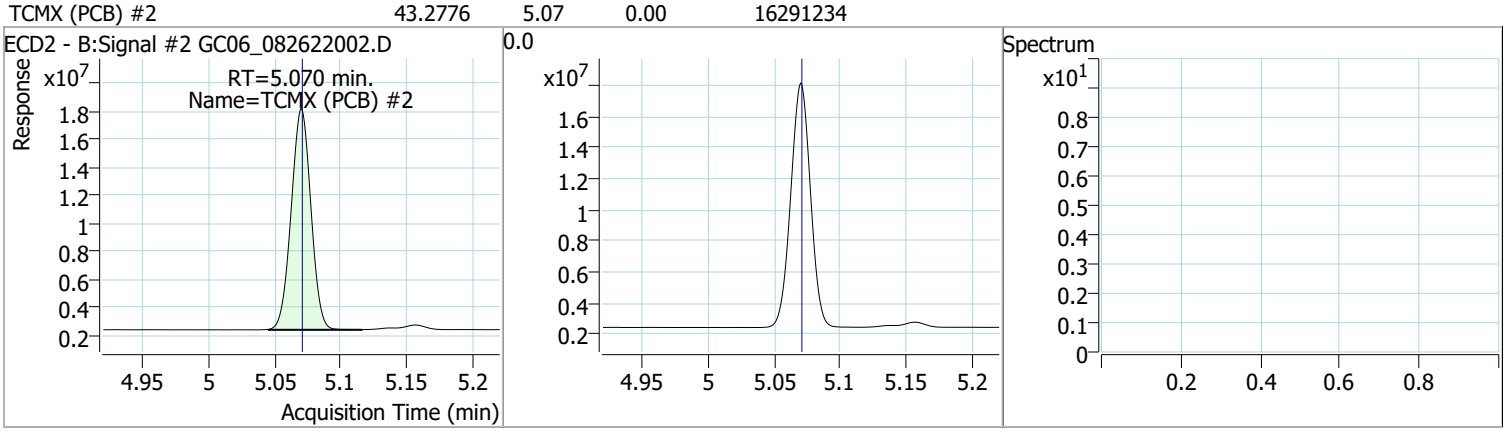


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	8218494.593	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.358	0.0	1919479.072	20.0000	ng/ml		0.002
System Monitoring Compounds							
S TCMX (PCB) #2	5.070	0.0	16291234.129	43.2776	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 216.39%		*	
S TCMX (PCB)	5.212	0.0	3653450.959	39.5705	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.85%		*	
S Decachlorobiphenyl (PCB)	12.694	0.0	3359239.629	23.0170	ng/ml		-0.012
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 115.08%			
S Decachlorobiphenyl (PCB) #2	13.130	0.0	13159529.169	26.5355	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 132.68%			
Target Compounds							QValue

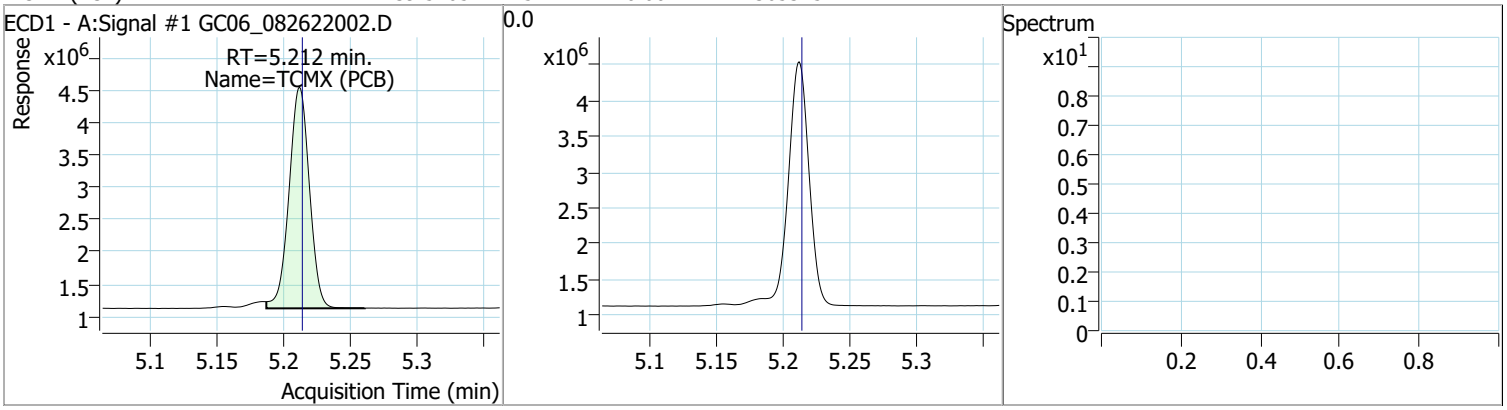
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.511	0.0	4274488.188	555.3903	ng/ml	100
T AR1016 1	5.563	0.0	1090360.480	580.7240	ng/ml	100
T AR1016 2 #2	5.905	0.0	9205725.527	576.3707	ng/ml	100
T AR1016 2	5.916	0.0	2203765.979	539.0542	ng/ml	100
T AR1016 3 #2	6.392	0.0	11832868.321	561.7652	ng/ml	100
T AR1016 3	6.395	0.0	2715067.310	564.2971	ng/ml	100
T AR1016 4	6.535	0.0	1800767.814	500.1343	ng/ml	100
T AR1016 4 #2	6.542	0.0	8308954.061	581.4380	ng/ml	100
T AR1016 5	7.029	0.0	1585119.746	569.1221	ng/ml	100
T AR1016 5 #2	7.323	0.0	6946876.523	621.7807	ng/ml	100
T AR1260 1	9.075	0.0	3437158.892	569.0029	ng/ml	100
T AR1260 1 #2	9.556	0.0	16016236.166	643.8940	ng/ml	100
T AR1260 2	9.617	0.0	5231800.841	562.3147	ng/ml	100
T AR1260 2 #2	9.938	0.0	17641523.891	613.8068	ng/ml	100
T AR1260 3	10.088	0.0	5750483.902	594.5388	ng/ml	100
T AR1260 3 #2	10.474	0.0	24308622.647	622.5284	ng/ml	100
T AR1260 4	10.614	0.0	2746637.464	570.9931	ng/ml	100
T AR1260 4 #2	10.979	0.0	11794601.506	558.2012	ng/ml	100
T AR1260 5	11.344	0.0	3493607.876	548.7437	ng/ml	100
T AR1260 5 #2	11.660	0.0	18309367.109	587.7400	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

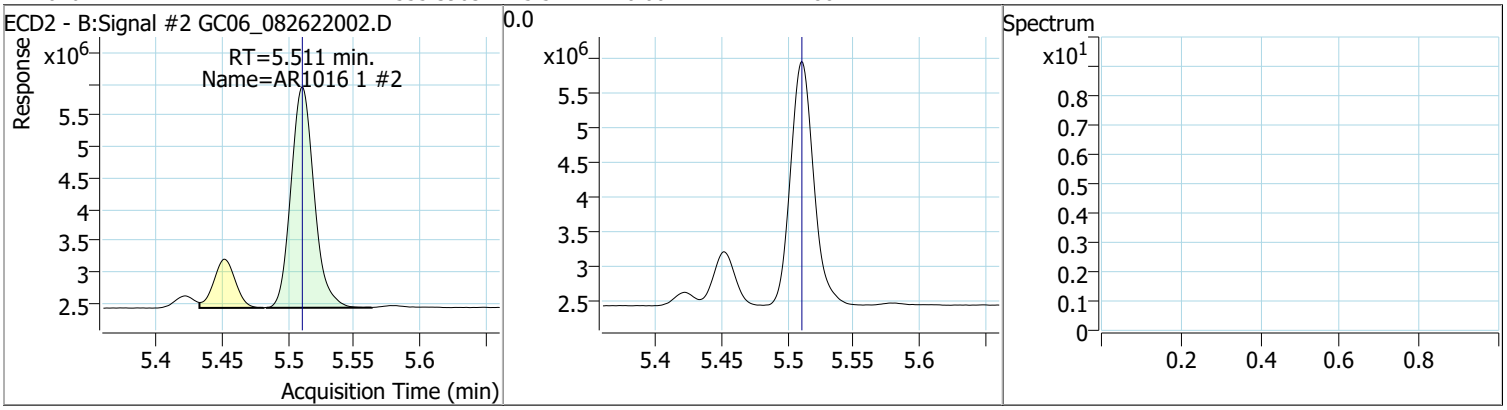
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	43.2776	5.07	0.00	16291234				



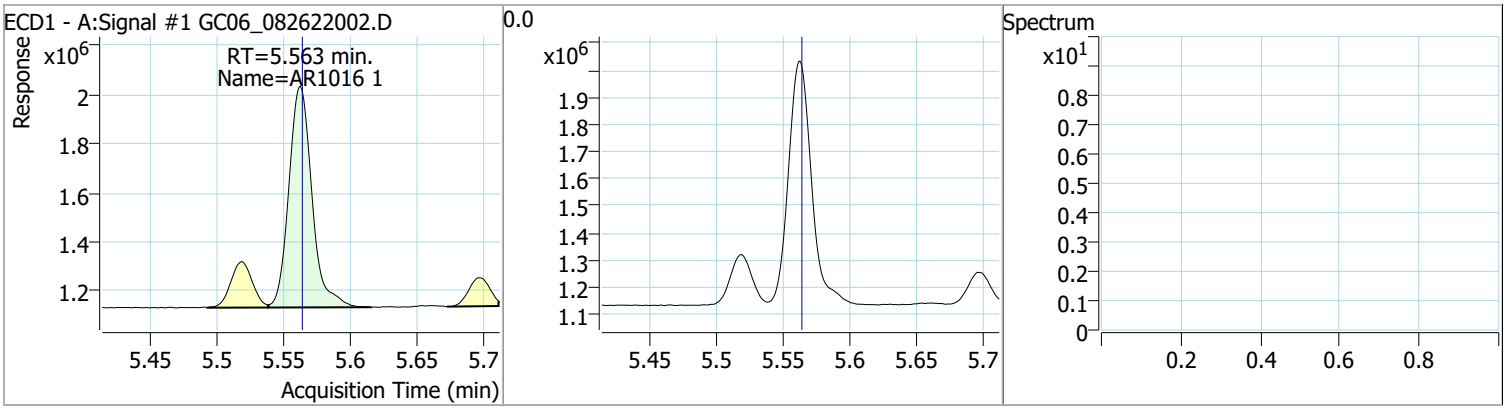
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.5705	5.21	0.00	3653451				



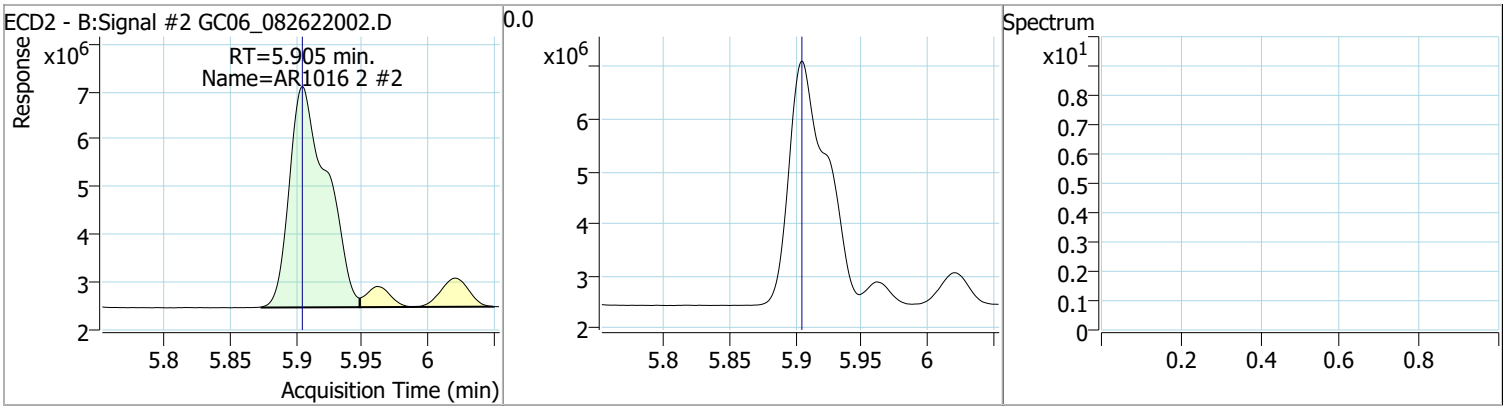
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	555.3903	5.51	0.00	4274488				



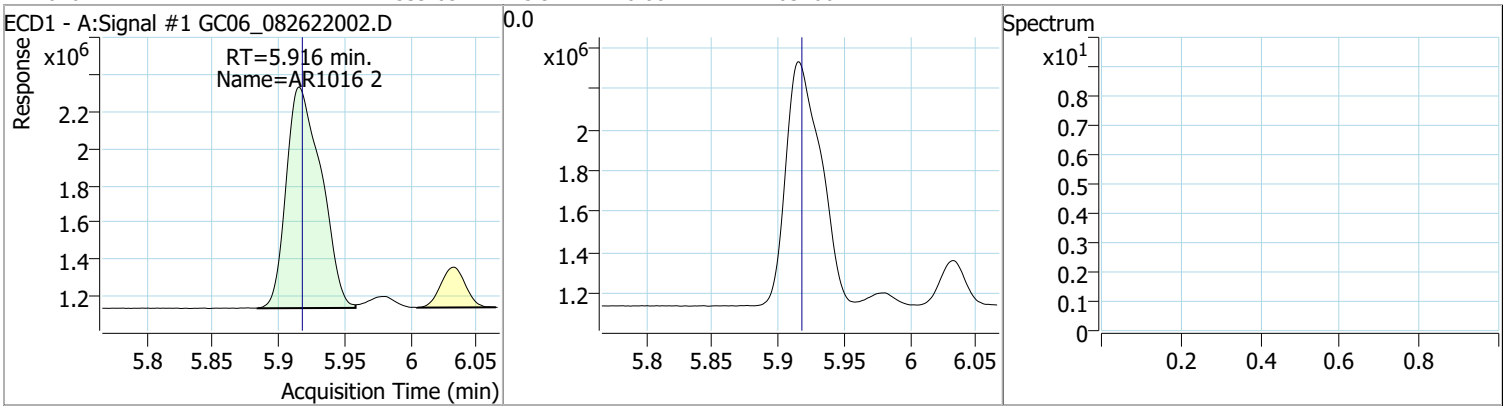
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	580.7240	5.56	0.00	1090360				



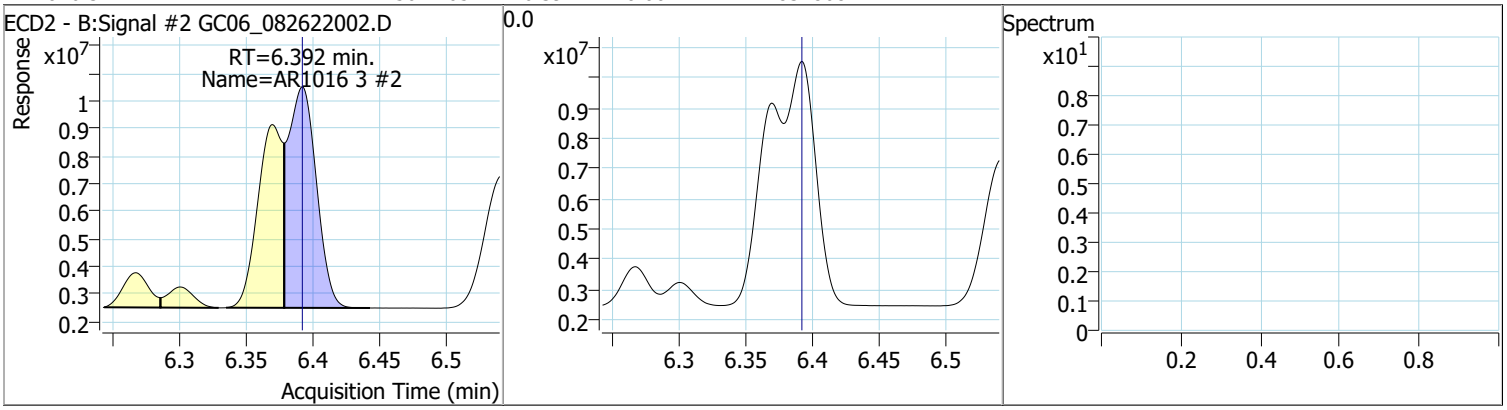
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	576.3707	5.91	0.00	9205726				



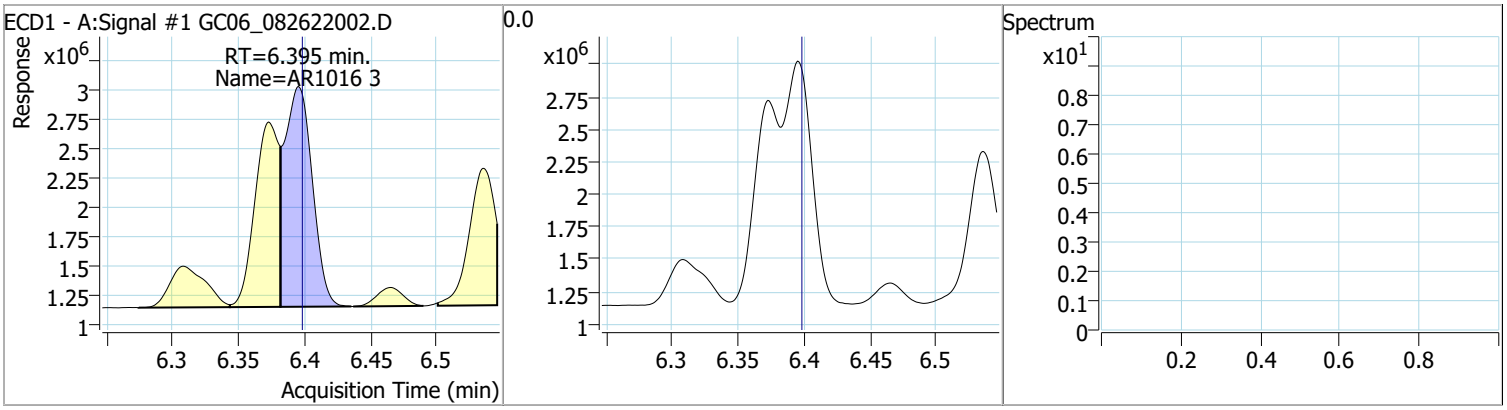
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	539.0542	5.92	0.00	2203766				



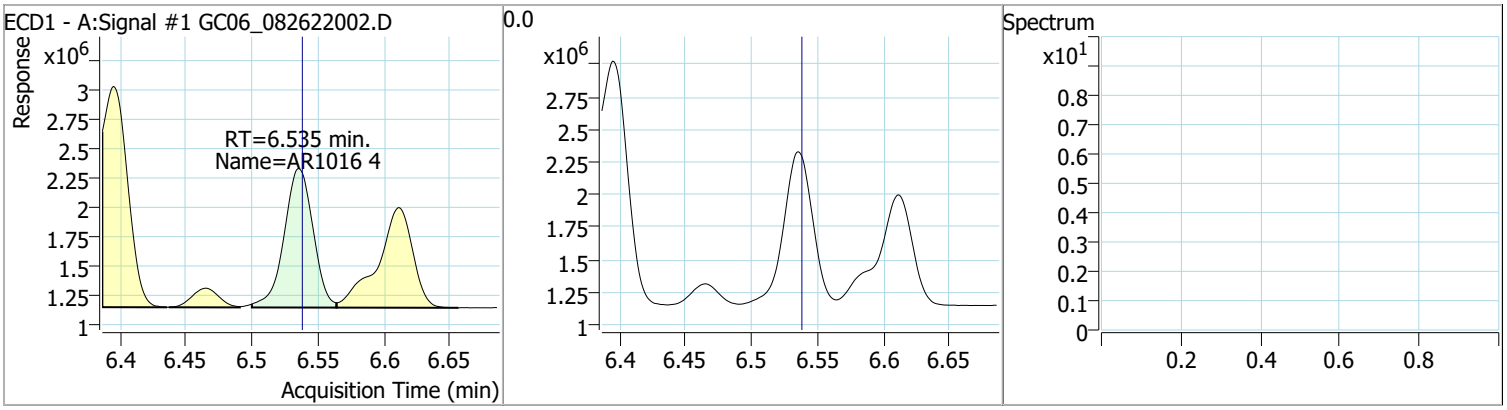
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	561.7652	6.39	0.00	11832868				



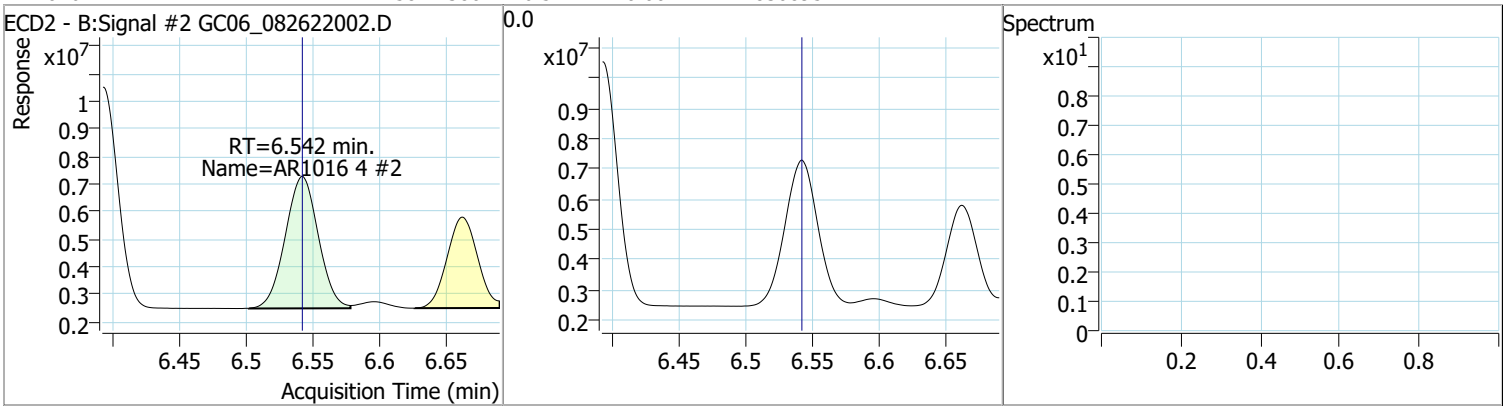
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	564.2971	6.40	0.00	2715067				



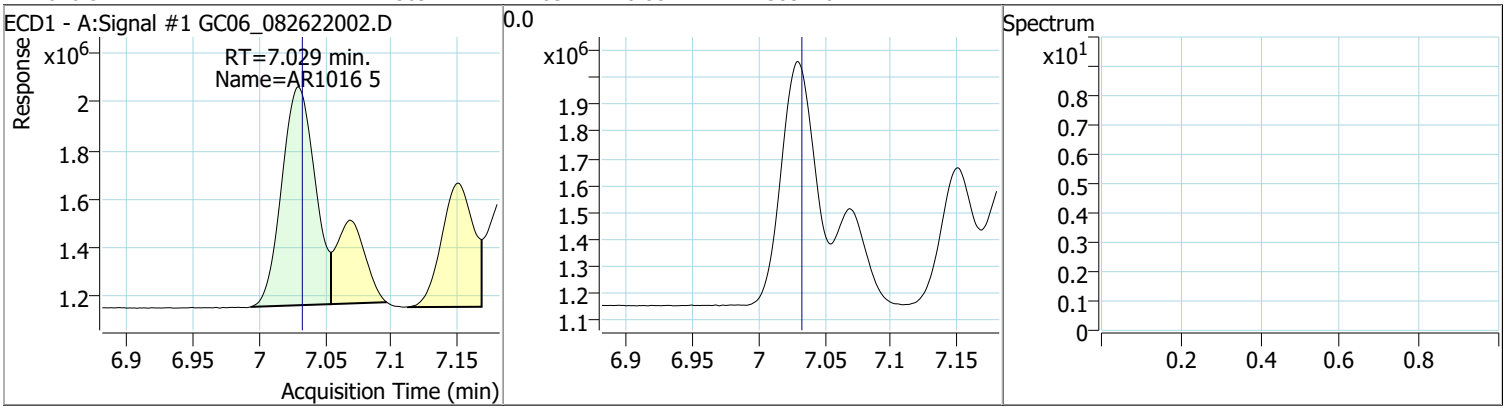
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	500.1343	6.54	0.00	1800768				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	581.4380	6.54	0.00	8308954				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	569.1221	7.03	0.00	1585120				



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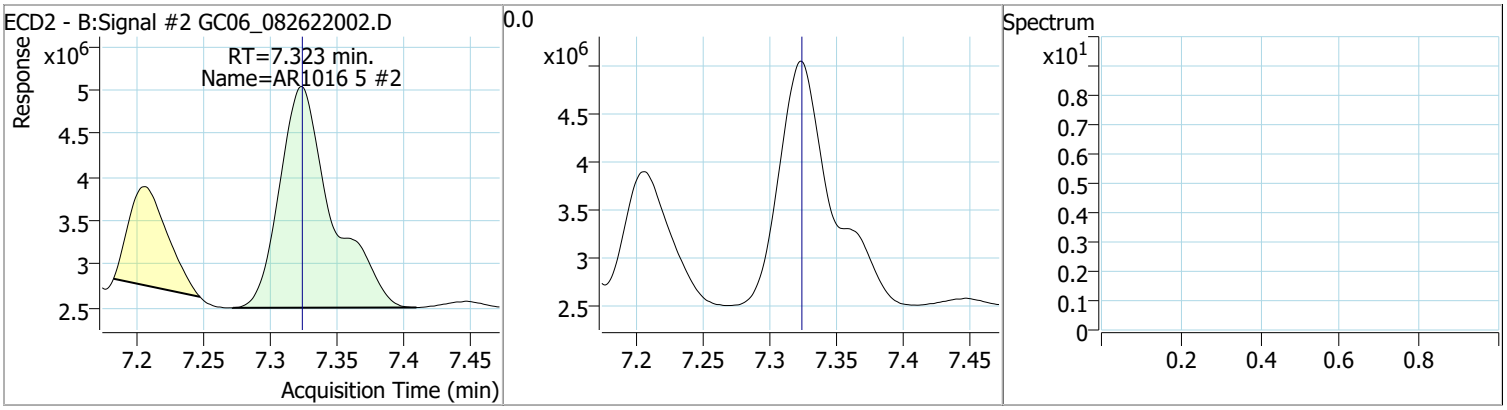
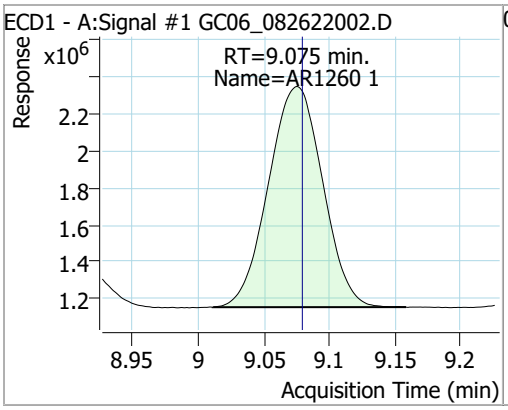
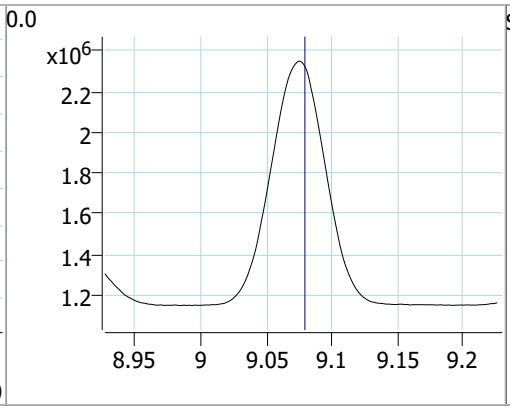
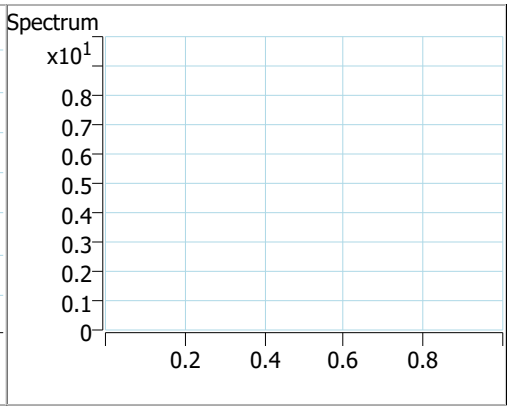
AR1016 5 #2	621.7807	7.32	0.00	6946877				



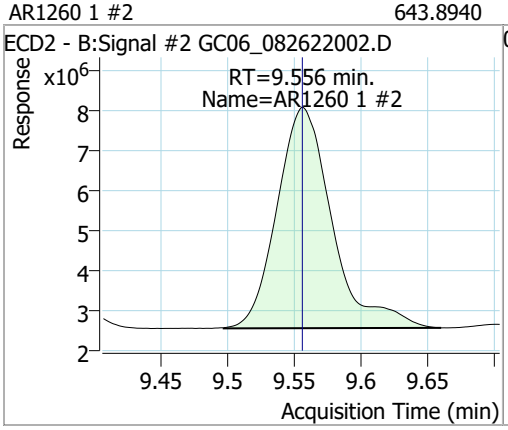
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	569.0029	9.08	0.00	3437159				

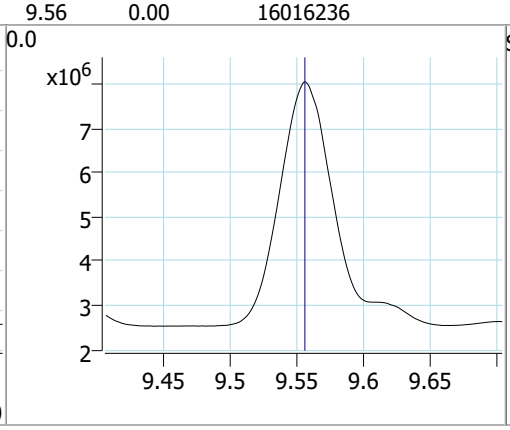


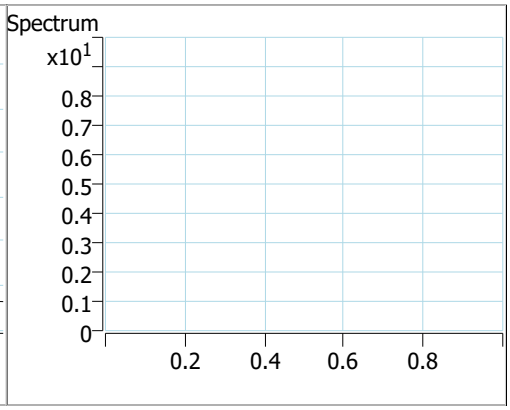




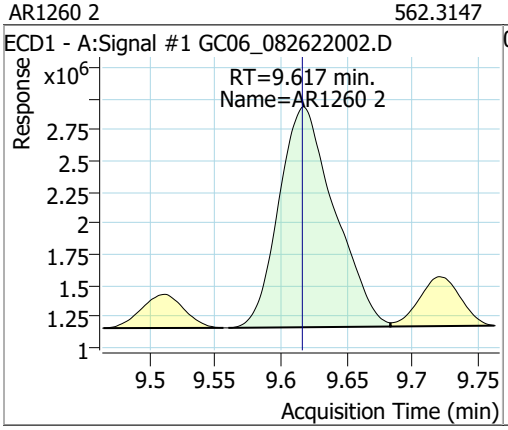
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	643.8940	9.56	0.00	16016236				

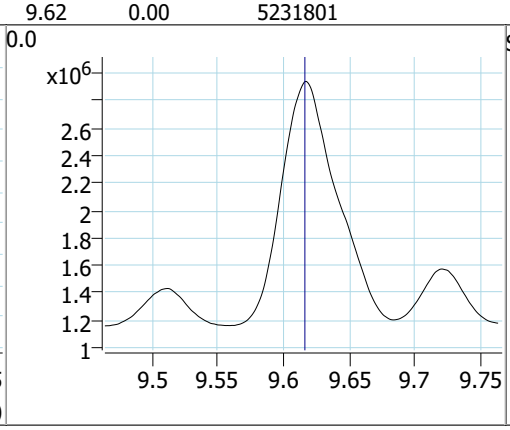


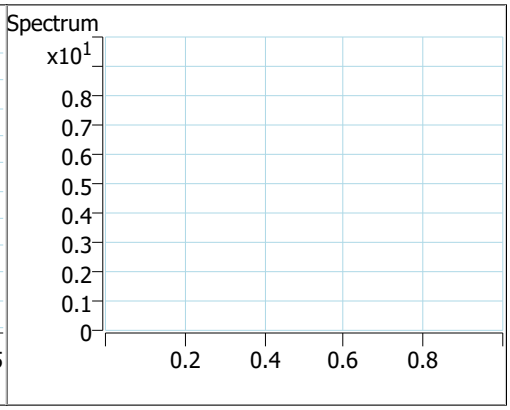




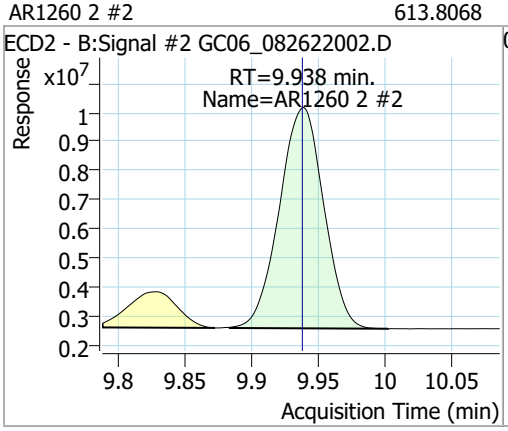
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	562.3147	9.62	0.00	5231801				

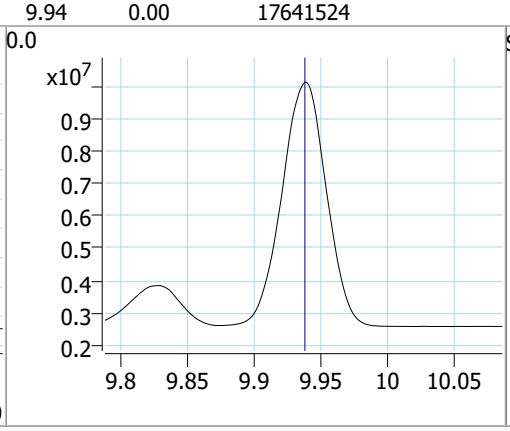


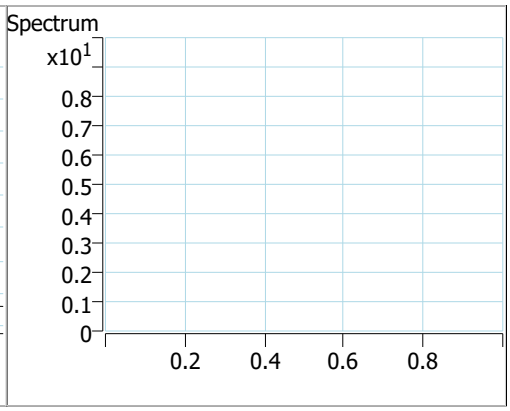




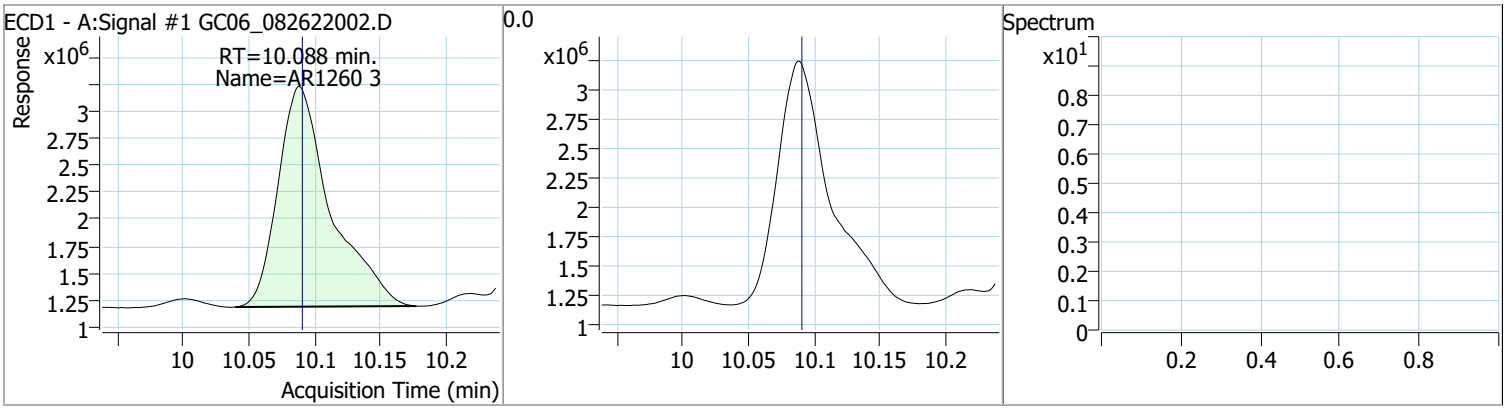
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	613.8068	9.94	0.00	17641524				







Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	594.5388	10.09	0.00	5750484				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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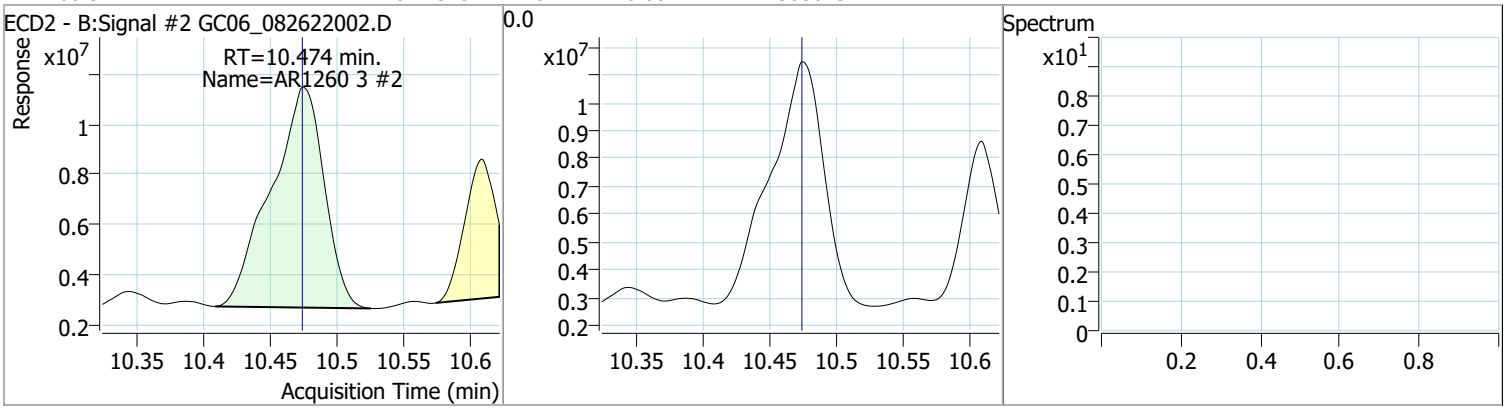
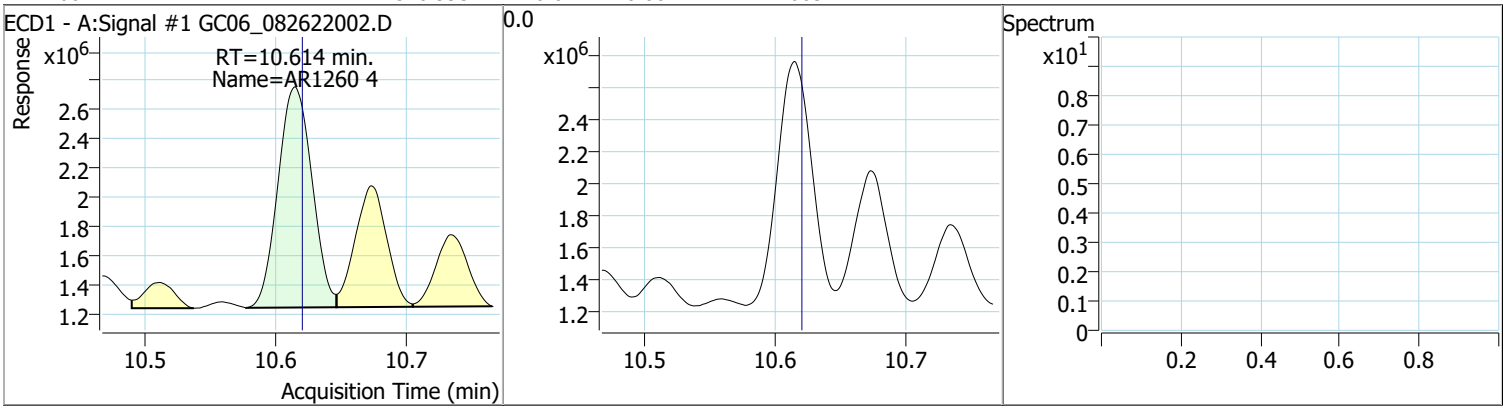
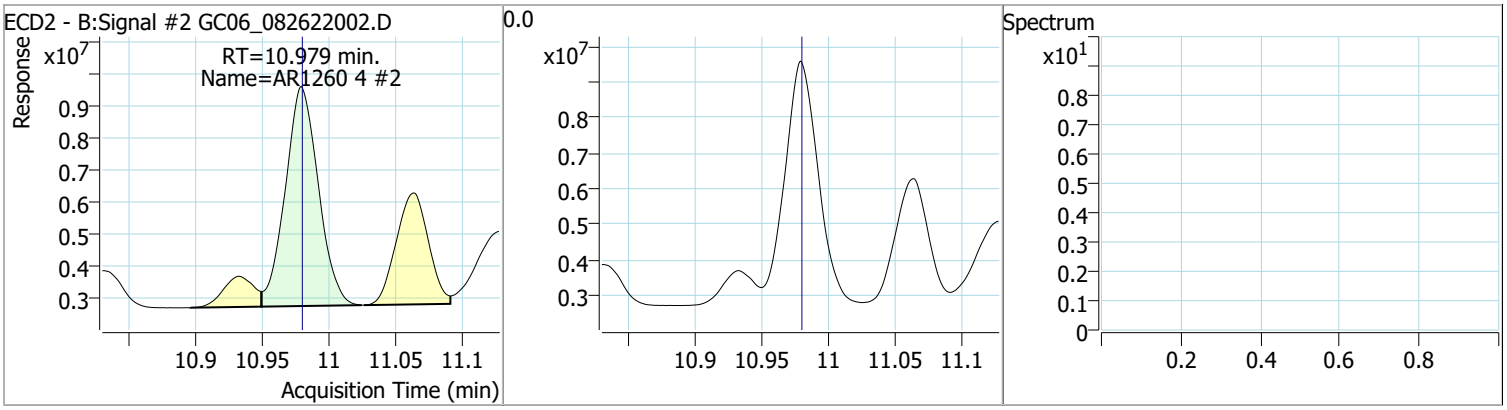


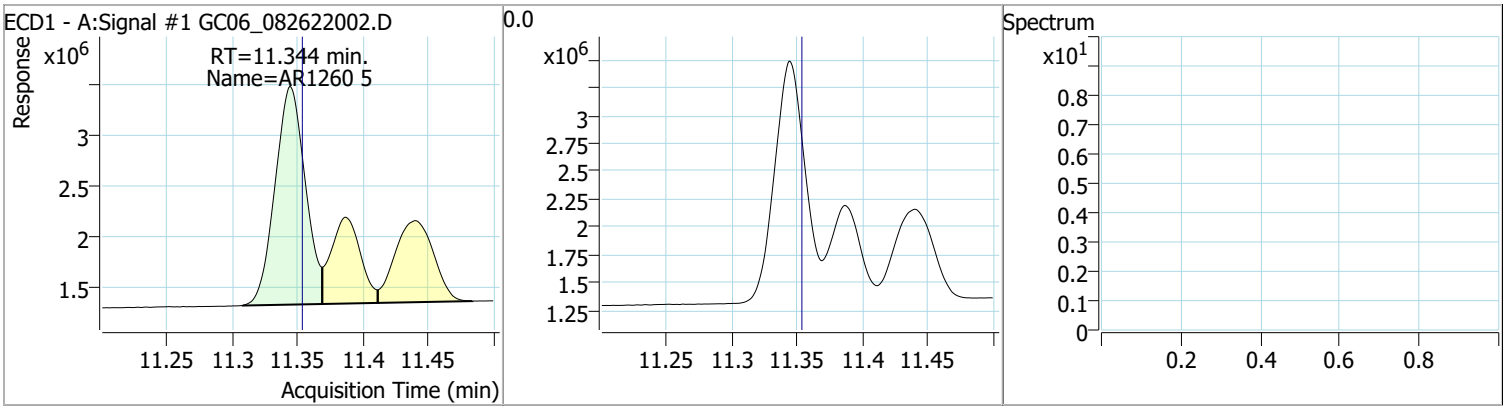
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	570.9931	10.61	0.00	2746637				



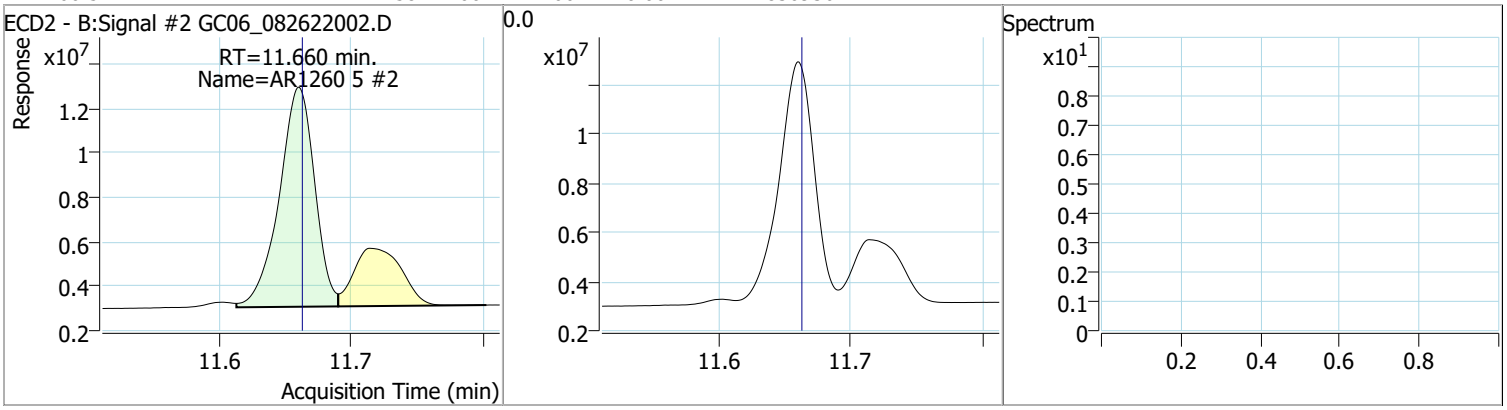
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	558.2012	10.98	0.00	11794602				



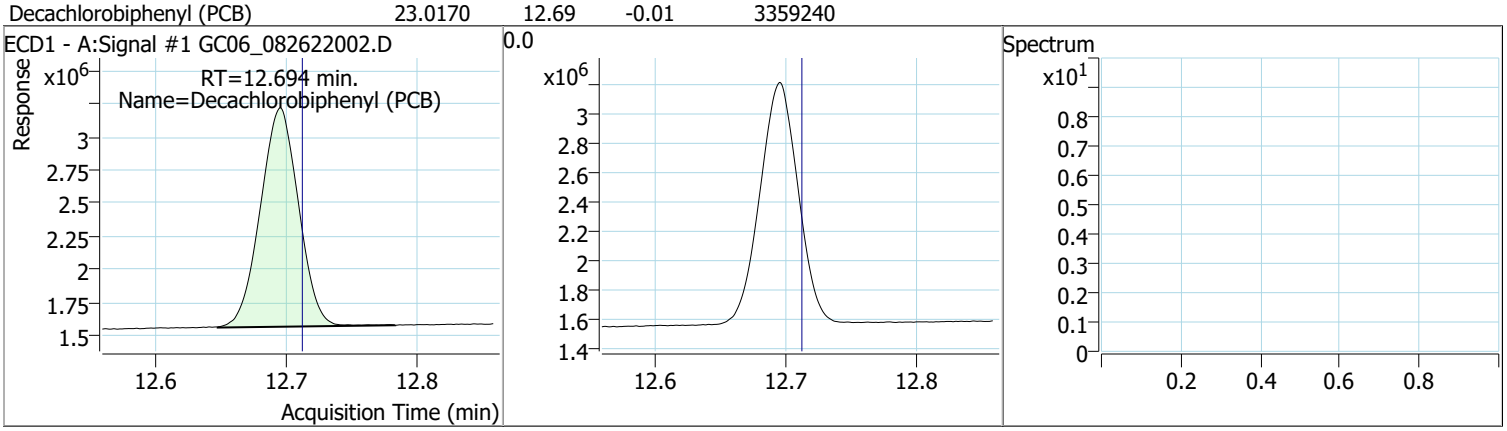
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	548.7437	11.34	0.00	3493608				



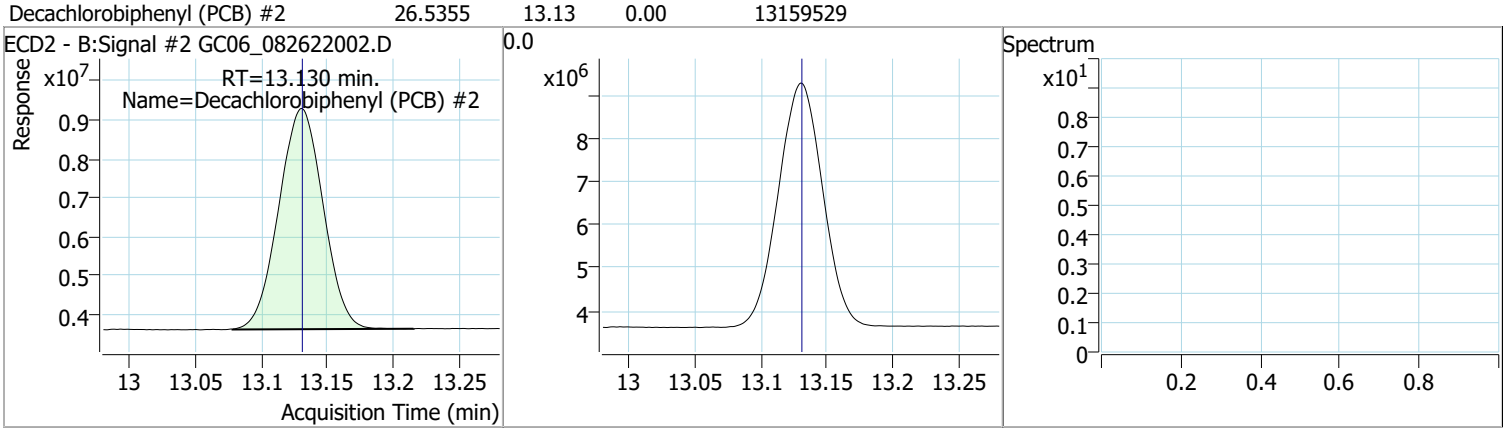
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	587.7400	11.66	0.00	18309367				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	23.0170	12.69	-0.01	3359240				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	26.5355	13.13	0.00	13159529				



ENTHALPY CONTINUING CALIBRATION FOR 467769 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452349374002	File:	gc06_083022002	Time:	30-AUG-2022 14:54
Cal:	452150634002	Caldate:	14-APR-2022		

Standards: S17055

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	454.1	ug/L	-9	15	0.0000	
Aroclor-1260	A			500.0	469.4	ug/L	-6	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.5203	1.3144	20.00	17.29	ug/L	-14	15	0.0000	
TCMX (PCB)	A	0.9618	0.9916	20.00	20.62	ug/L	3	15	0.0000	
Aroclor-1016	B			500.0	491.4	ug/L	-2	15	0.0000	
Aroclor-1260	B			500.0	484.9	ug/L	-3	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2065	1.1754	20.00	19.48	ug/L	-3	15	0.0000	
TCMX (PCB)	B	0.9158	0.9897	20.00	21.61	ug/L	8	15	0.0000	

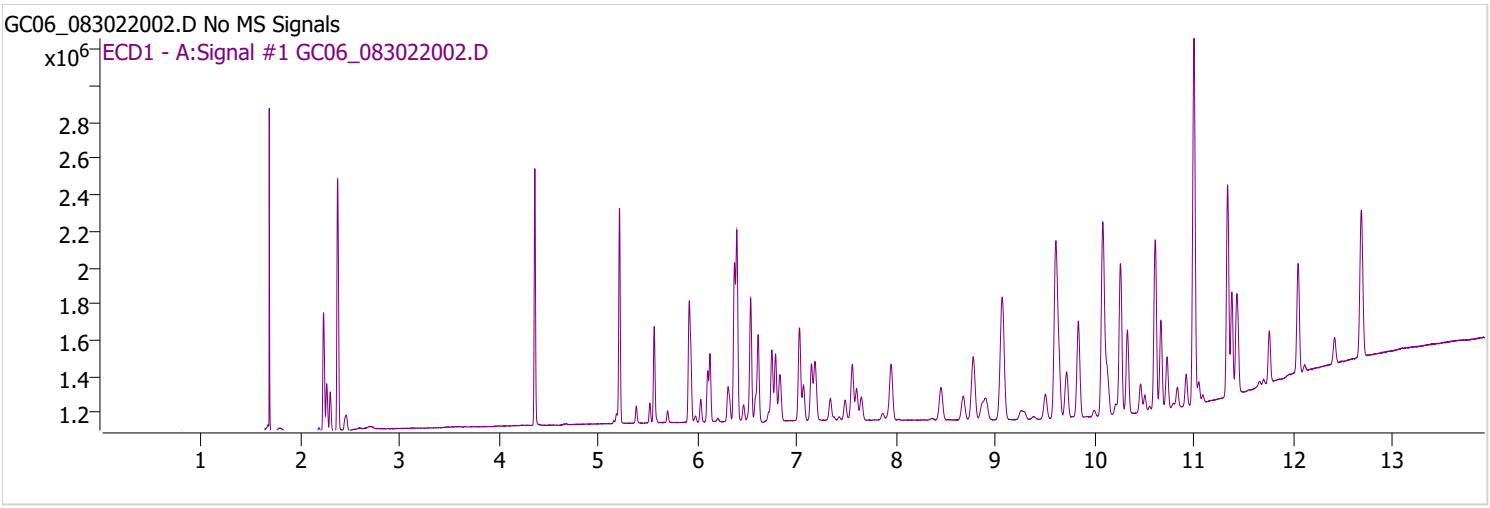
ISTD (ICAL gc06_041422016)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6493014	5237900	-19.33
1-bromo-2-nitrobenzene (PCB)	A	1831488	1298245	-29.12

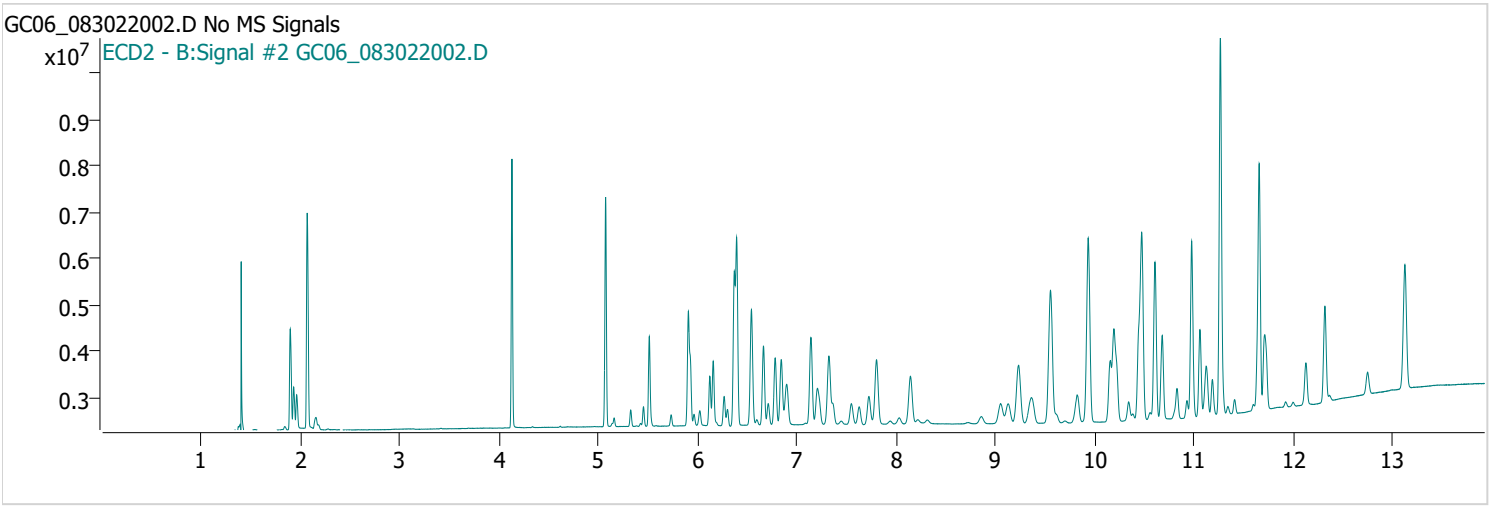
TRN 08/30/22 [Aroclor-1016 A]: Separated from coeluting peak for Ch. A.

Analyst: TRN 08/30/22 **Reviewer:** LW 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_083022002.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/30/2022 2:54:53 PM
Sample Name	CCV, S17055	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	083022PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



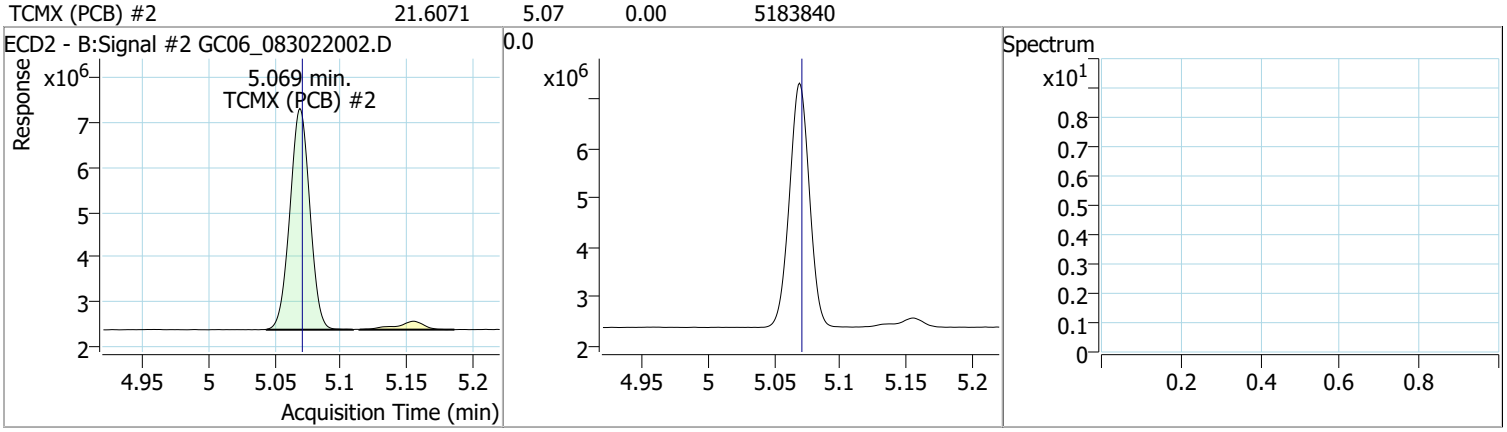


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	5237899.559	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB)	4.356	0.0	1298244.952	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB) #2	5.069	0.0	5183839.898	21.6071	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 108.04%		
S TCMX (PCB)	5.209	0.0	1287312.312	20.6148	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 103.07%		
S Decachlorobiphenyl (PCB)	12.683	0.0	1706426.783	17.2871	ng/ml	-0.023
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 86.44%		
S Decachlorobiphenyl (PCB) #2	13.123	0.0	6156731.969	19.4793	ng/ml	-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.40%		
Target Compounds						QValue

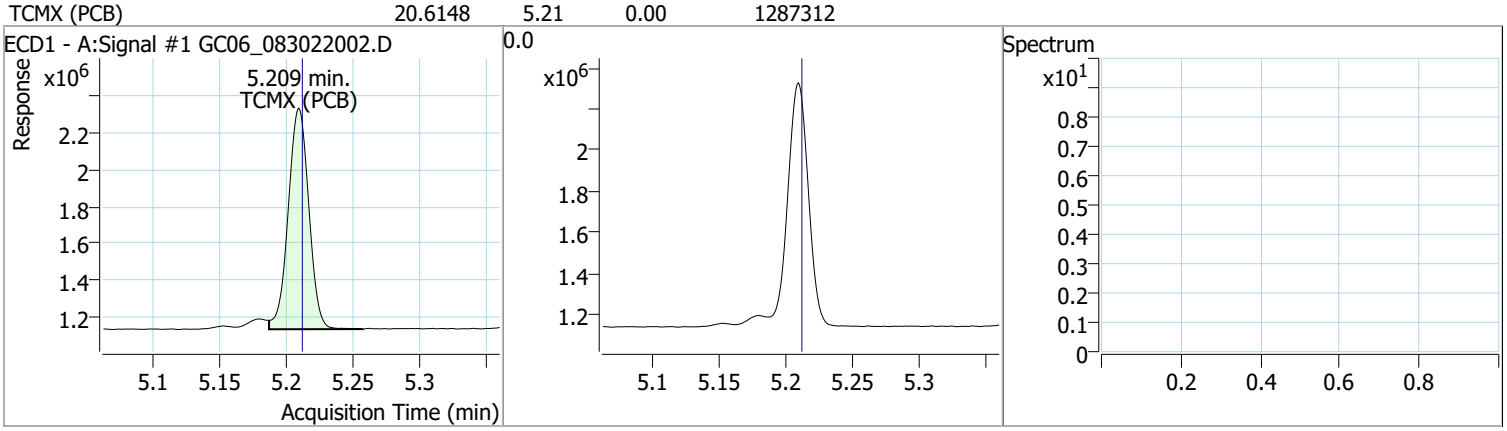
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1 #2	5.509	0.0	2370948.430	483.3607	ng/ml		100
T AR1016 1	5.559	0.0	618691.095	487.1921	ng/ml		100
T AR1016 2 #2	5.903	0.0	4834231.615	474.9047	ng/ml		100
T AR1016 2	5.913	0.0	1213224.226	438.7679	ng/ml		100
T AR1016 3 #2	6.389	0.0	6166818.055	459.3683	ng/ml	m	100
T AR1016 3	6.391	0.0	1486798.900	456.8842	ng/ml		100
T AR1016 4	6.531	0.0	1007992.206	413.9166	ng/ml		100
T AR1016 4 #2	6.538	0.0	4314926.939	473.7679	ng/ml		100
T AR1016 5	7.023	0.0	891188.888	473.0858	ng/ml		100
T AR1016 5 #2	7.319	0.0	4024062.862	565.1289	ng/ml		100
T AR1260 1	9.064	0.0	1910079.220	467.5122	ng/ml		100
T AR1260 1 #2	9.552	0.0	8057484.514	508.2630	ng/ml		100
T AR1260 2	9.606	0.0	2850771.360	453.0200	ng/ml		100
T AR1260 2 #2	9.932	0.0	8956842.626	488.9739	ng/ml		100
T AR1260 3	10.079	0.0	2947704.186	450.5951	ng/ml		100
T AR1260 3 #2	10.471	0.0	11299182.975	454.0263	ng/ml		100
T AR1260 4	10.607	0.0	1703675.593	523.6525	ng/ml		100
T AR1260 4 #2	10.974	0.0	6545289.647	486.0394	ng/ml		100
T AR1260 5	11.337	0.0	1944828.575	451.6515	ng/ml		100
T AR1260 5 #2	11.654	0.0	9664030.403	486.7492	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

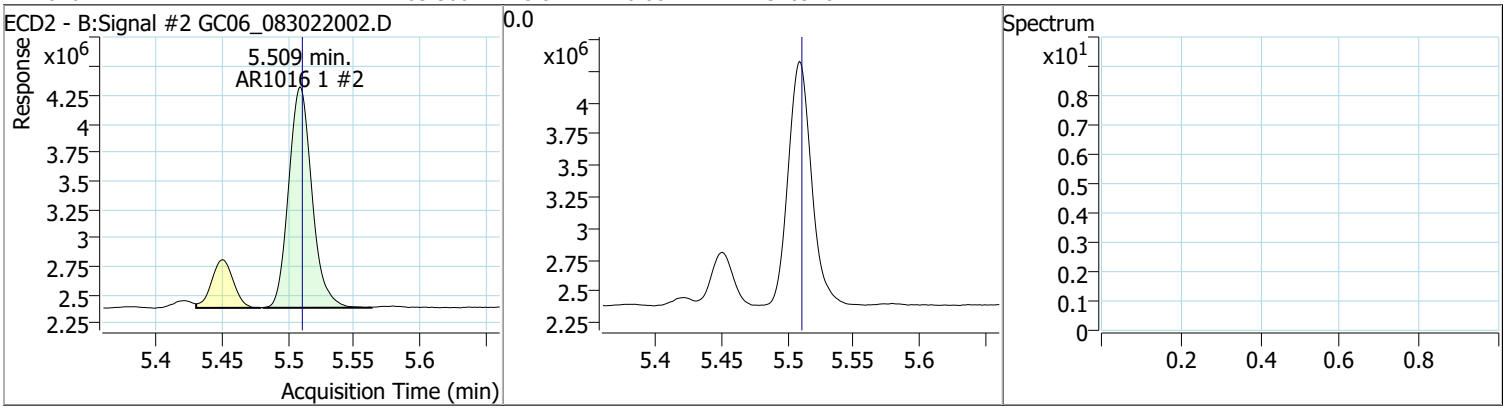
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	21.6071	5.07	0.00	5183840				



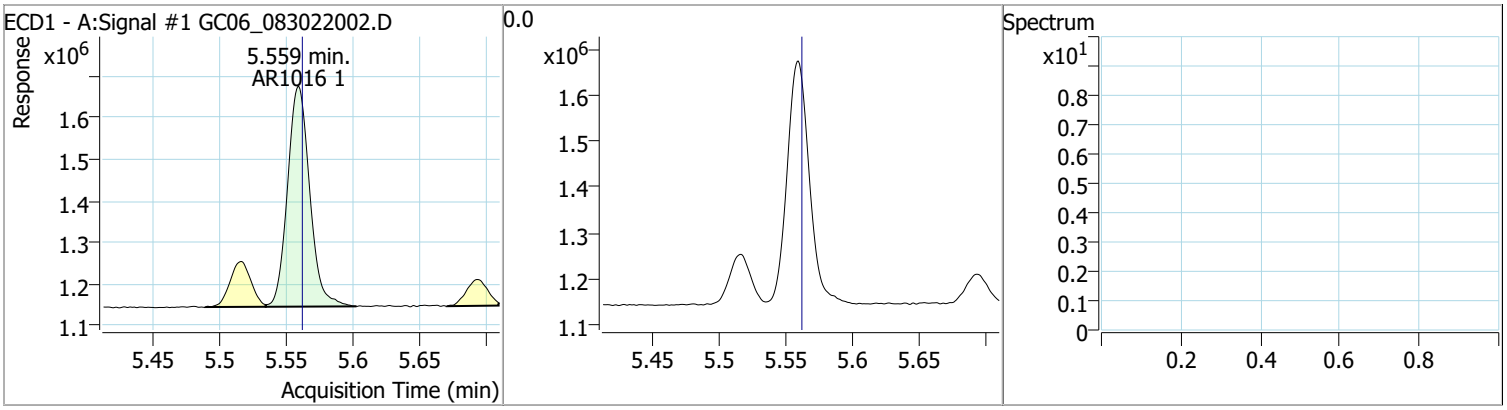
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	20.6148	5.21	0.00	1287312				



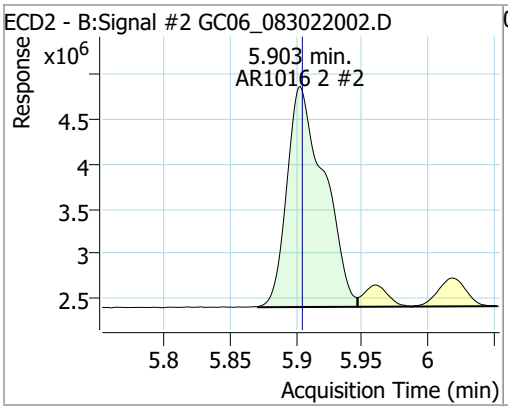
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	483.3607	5.51	0.00	2370948				

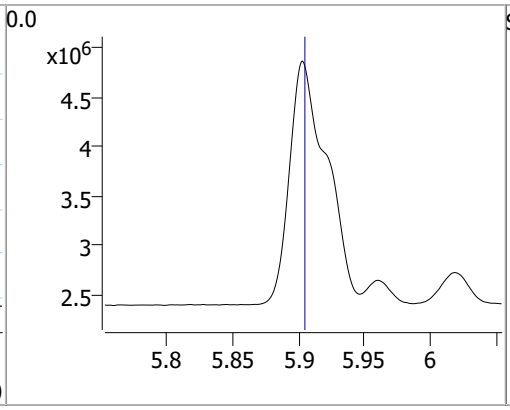


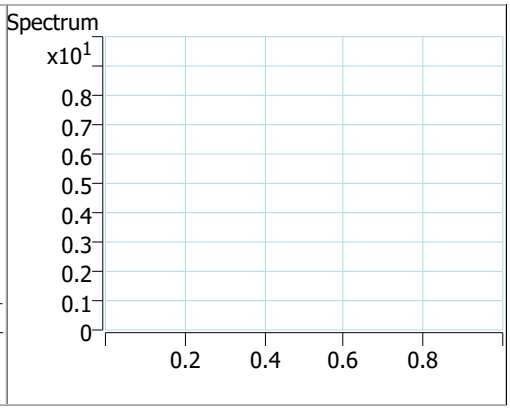
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	487.1921	5.56	0.00	618691				



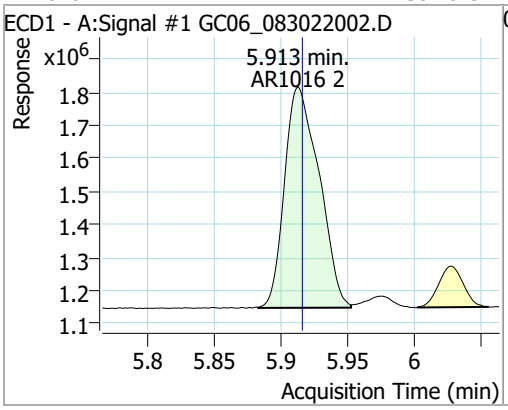
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	474.9047	5.90	0.00	4834232				

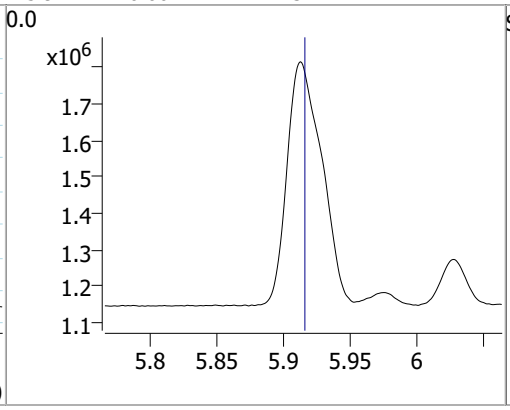


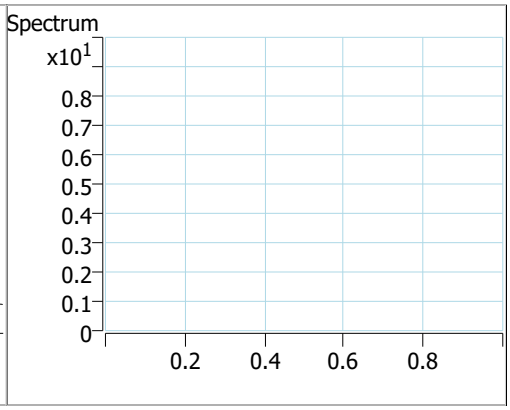




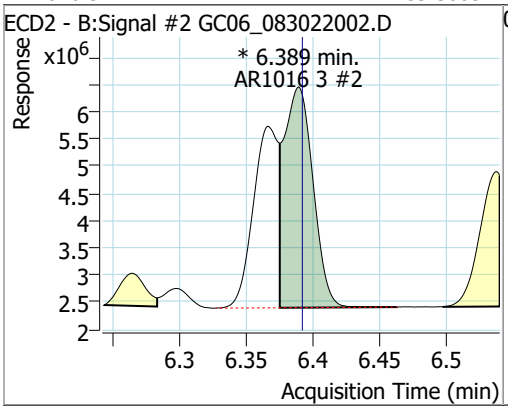
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	438.7679	5.91	0.00	1213224				

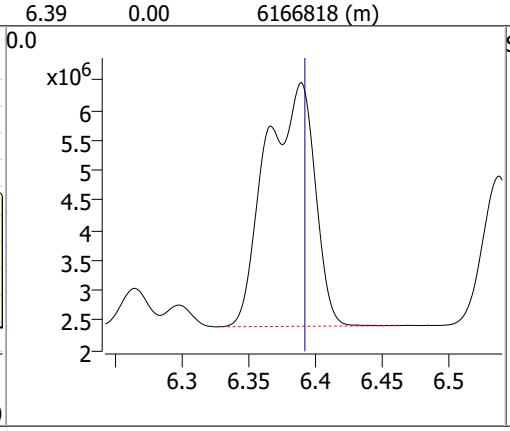


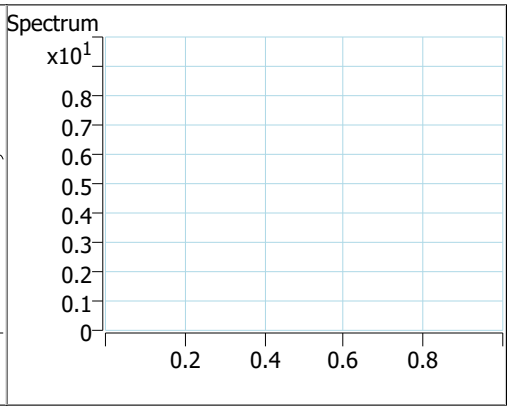




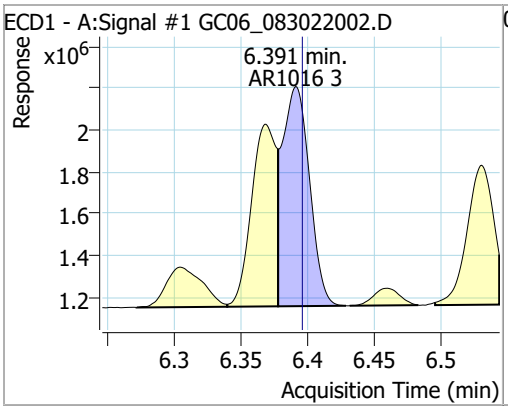
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	459.3683	6.39	0.00	6166818 (m)				

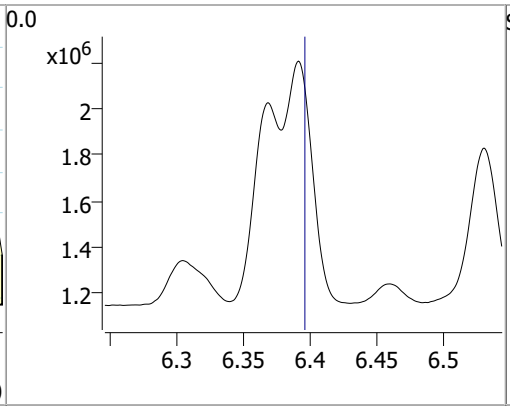


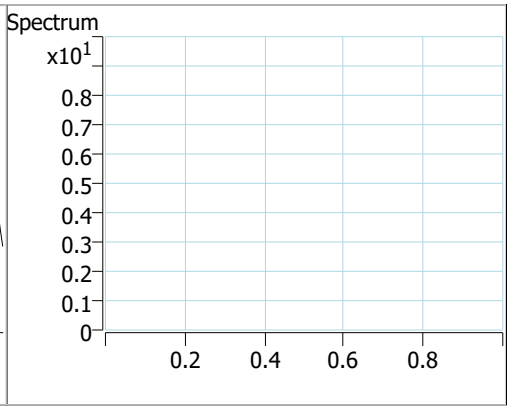




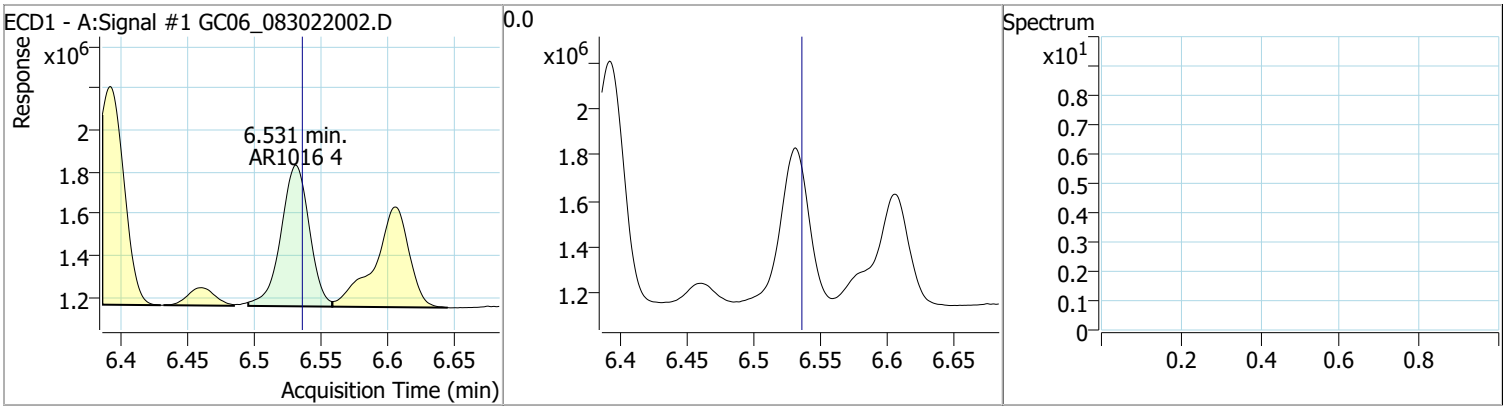
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	456.8842	6.39	0.00	1486799				



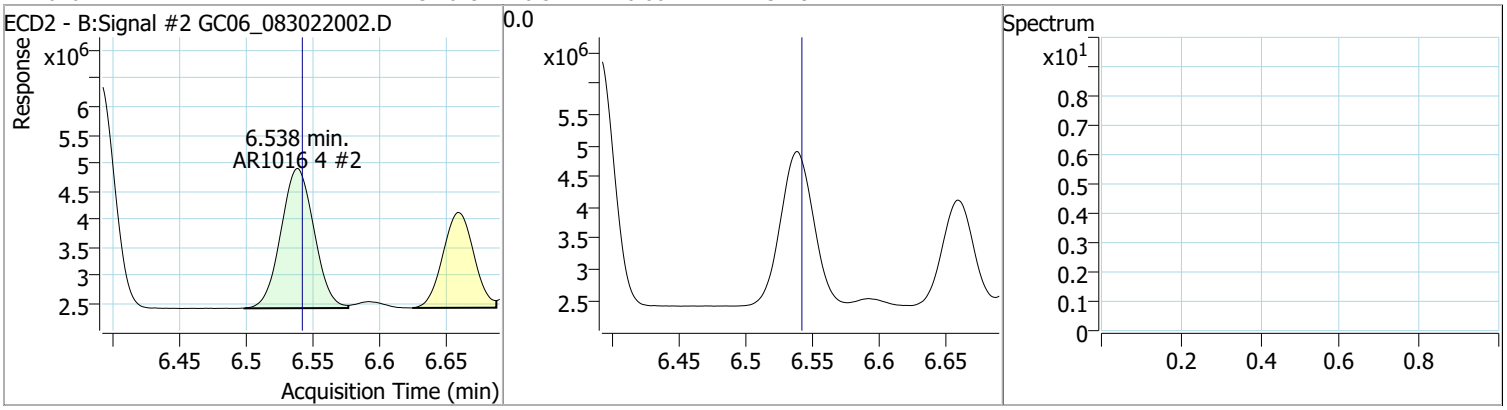




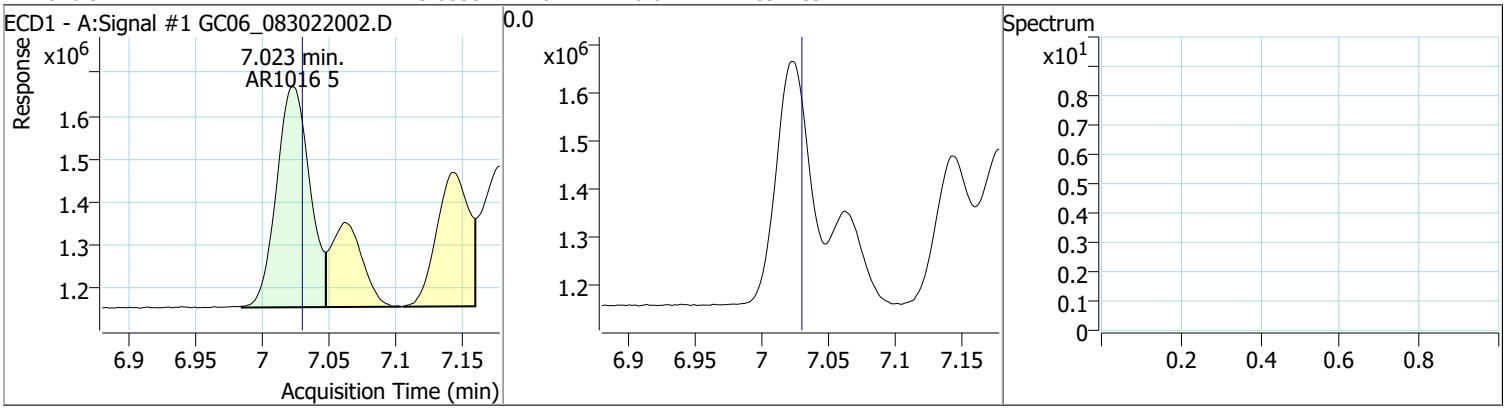
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	413.9166	6.53	0.00	1007992				



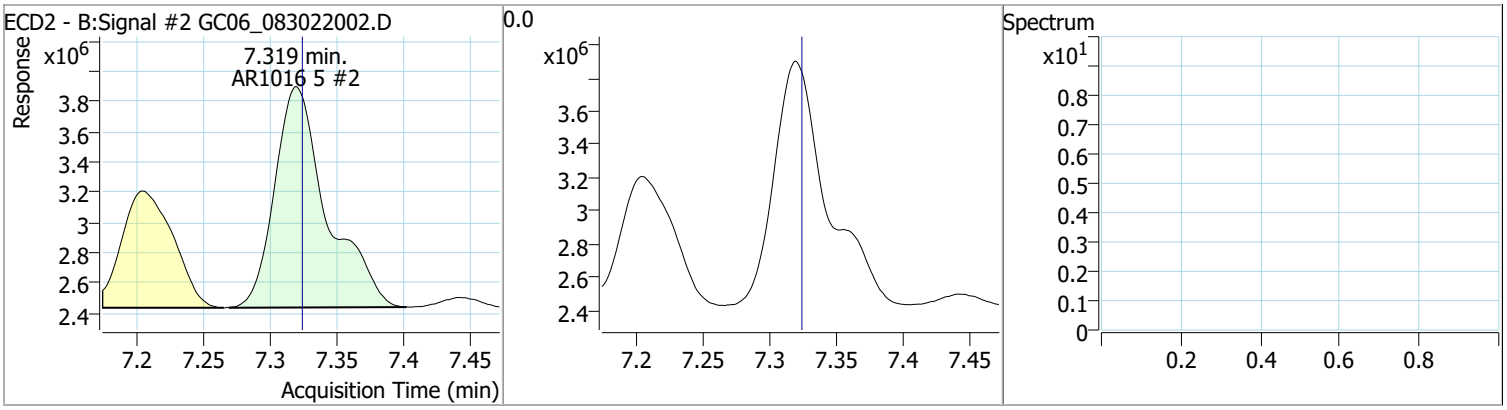
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	473.7679	6.54	0.00	4314927				



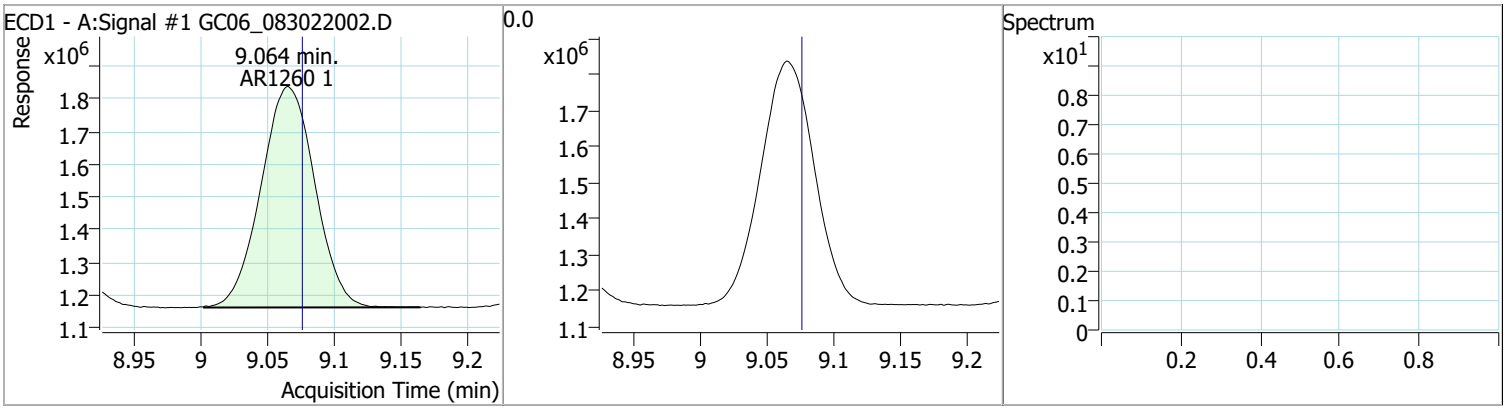
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	473.0858	7.02	-0.01	891189				



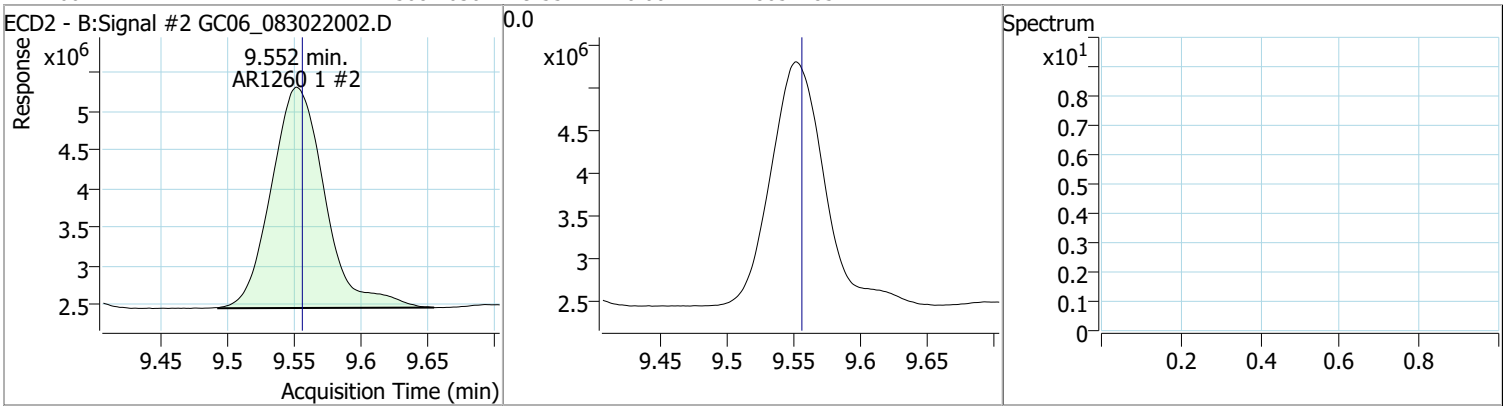
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	565.1289	7.32	0.00	4024063				



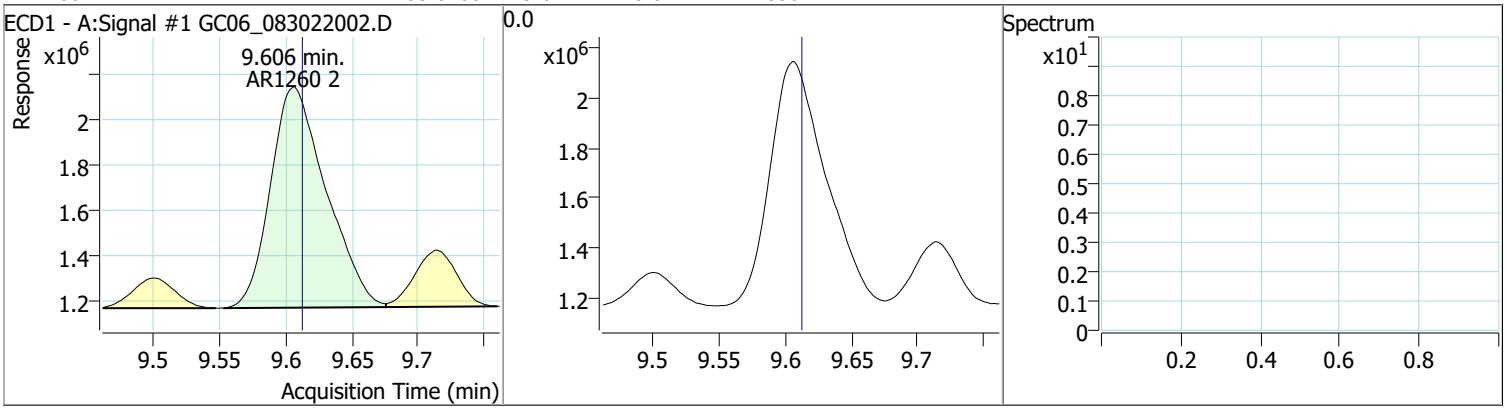
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	467.5122	9.06	-0.01	1910079				



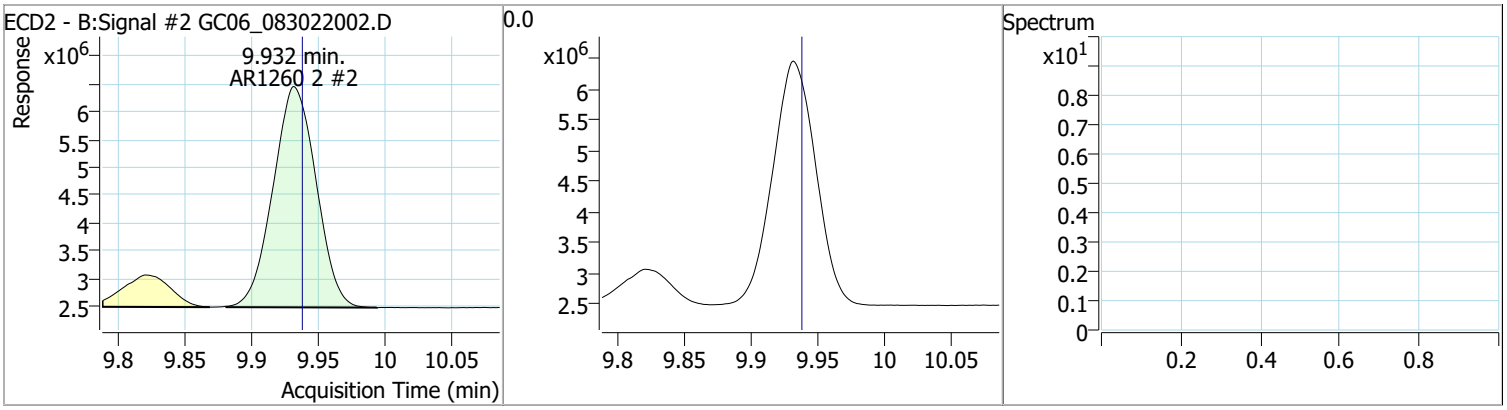
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	508.2630	9.55	0.00	8057485				



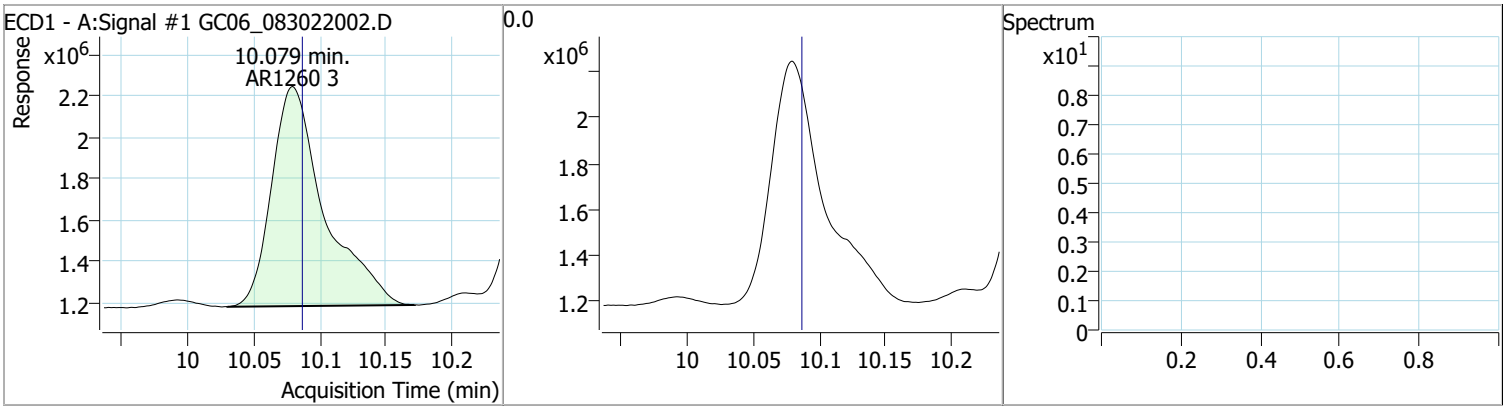
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	453.0200	9.61	-0.01	2850771				



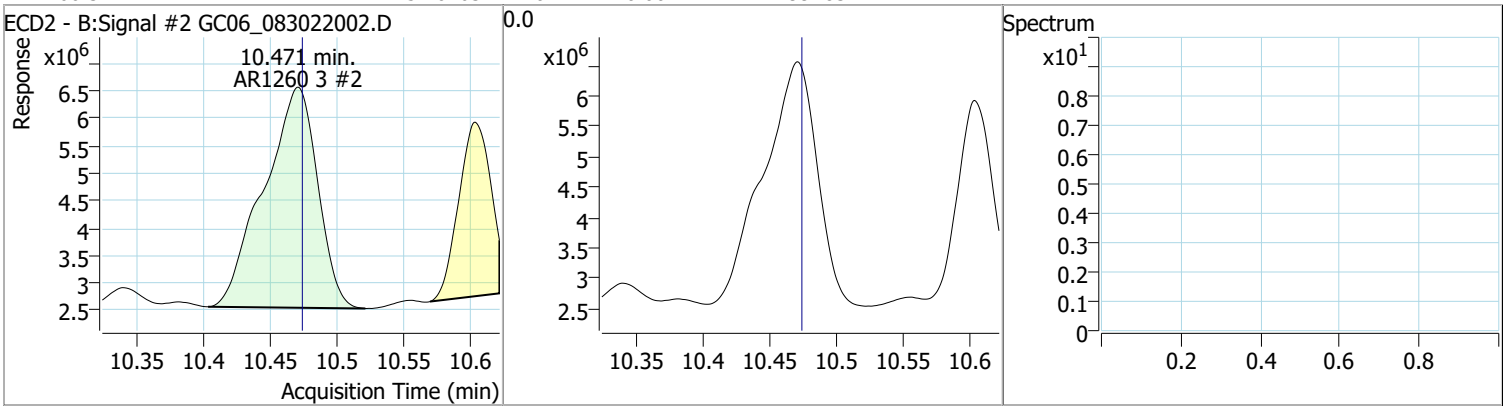
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	488.9739	9.93	-0.01	8956843				



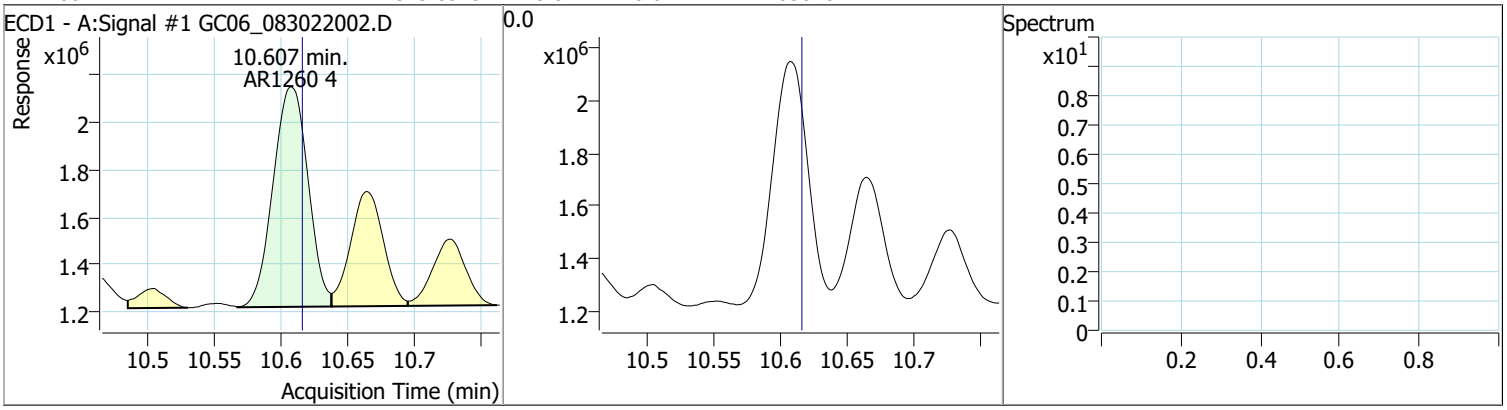
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	450.5951	10.08	-0.01	2947704				



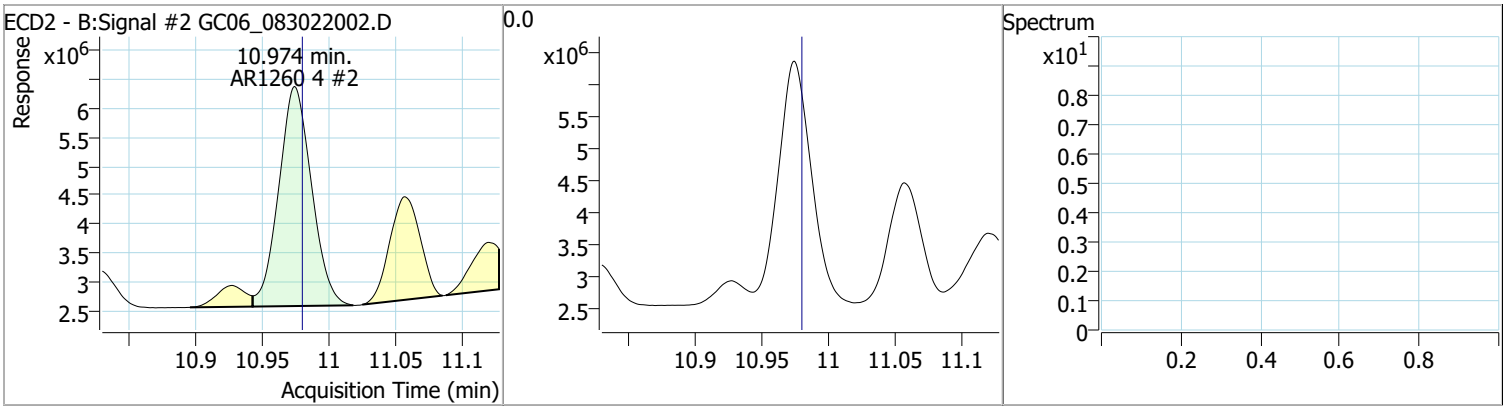
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	454.0263	10.47	0.00	11299183				



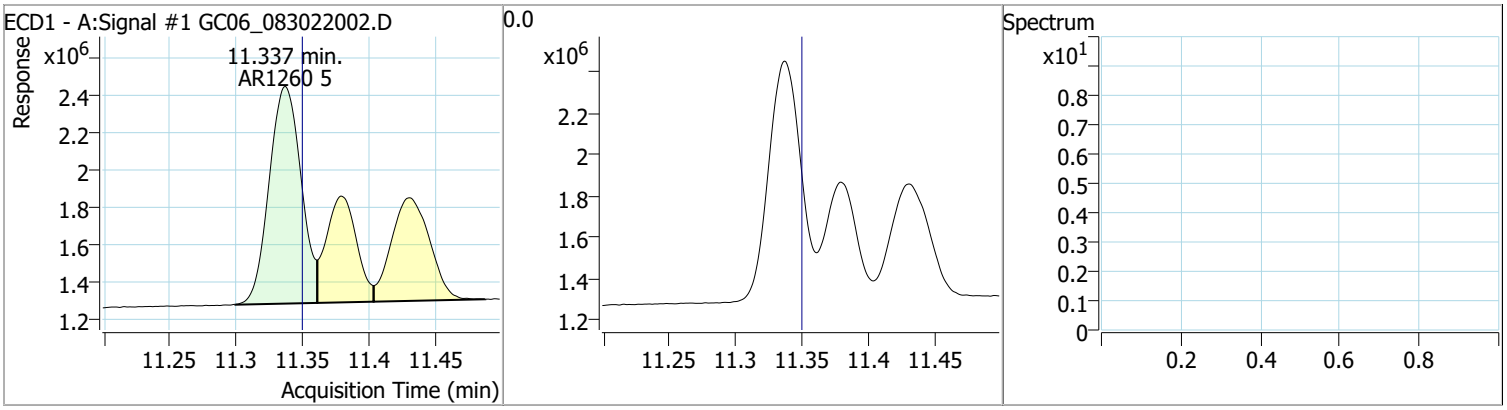
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	523.6525	10.61	-0.01	1703676				



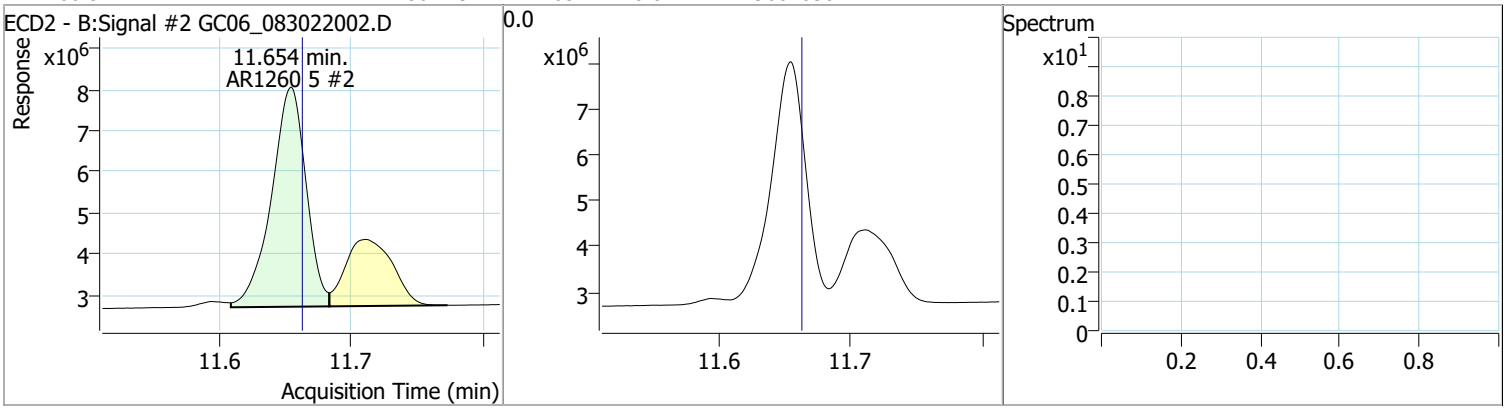
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	486.0394	10.97	0.00	6545290				



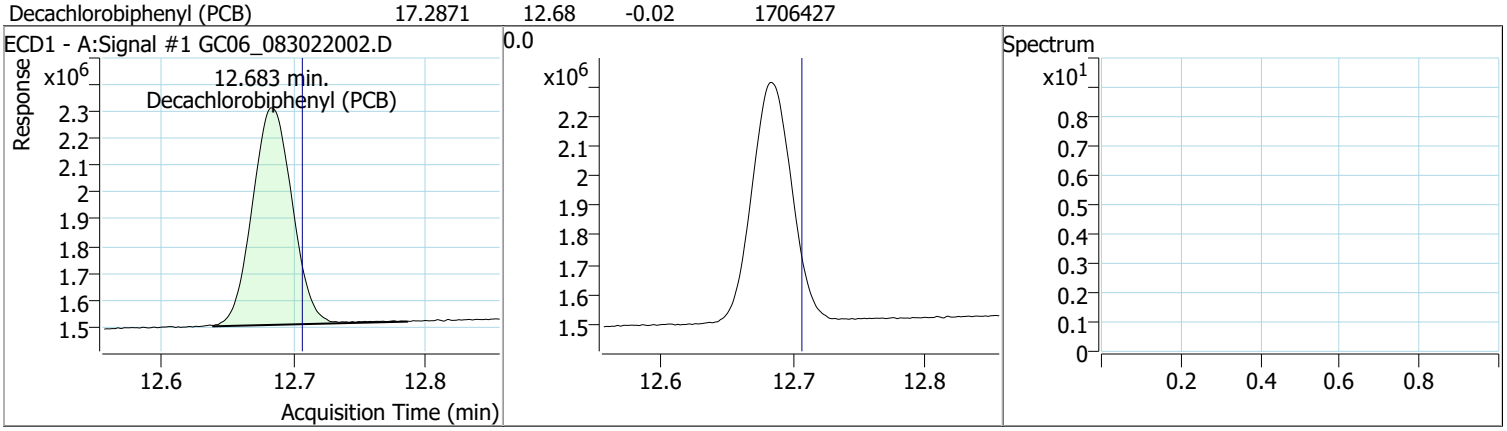
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	451.6515	11.34	-0.01	1944829				



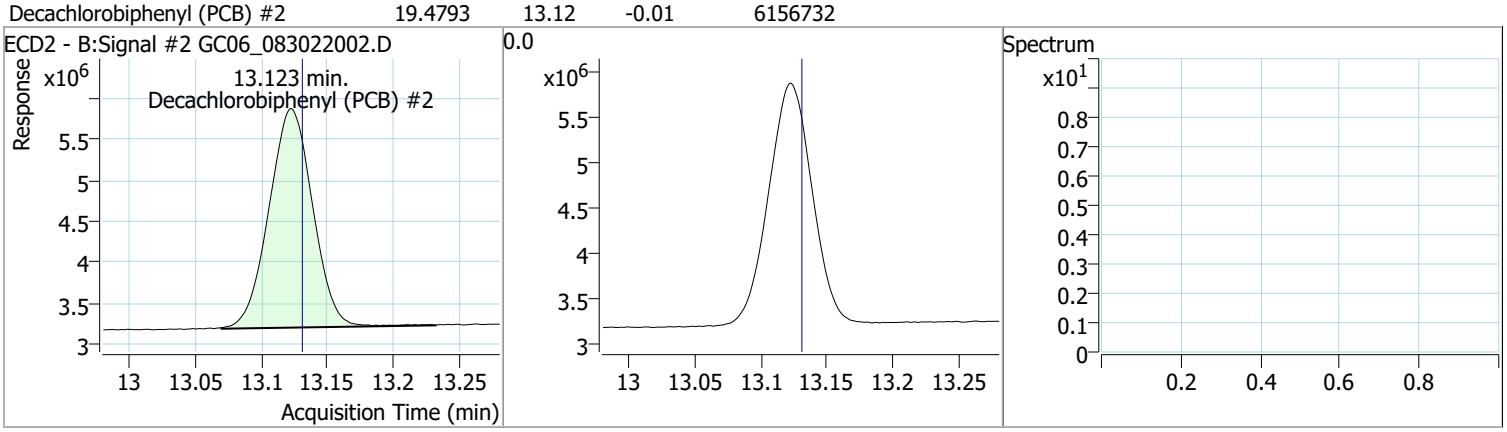
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	486.7492	11.65	-0.01	9664030				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	17.2871	12.68	-0.02	1706427				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	19.4793	13.12	-0.01	6156732				



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 467769
Report Level: IV
Report Date: 01/05/2023

Metals

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	467769
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/22/22

Sample ID	Lab ID	Collected	Matrix
AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-L-WF	467769-002	08/22/22 11:45	Wipe
AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-L-DUP-WF	467769-003	08/22/22 11:45	Wipe
DOOR-N-0.1GE-EXT-5 TO 6-220822-L-CB	467769-005	08/22/22 10:41	Wipe
DOOR-N-0.1GE-EXT-5 TO 6-220822-L-DUP-CB	467769-006	08/22/22 10:41	Wipe

ENTHALPY ANALYTICAL

Case Narrative

METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 467769 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 08/22/22

This data package contains sample and QC results for four wipe samples, requested for the above referenced project on 08/23/22. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

467769

JG

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B									HOLD	Test Instructions / Comments
1	~~DOOR-N-0.1GE-DG-4 TO 17-2208 -P-~~	8/ /2022		WP	1		X											**Confirmation Wipe Samples - Level IV Report/Stage 3 Validation**
2	~~DOOR-N-0.1GE-DG-4 TO 17-2208 -L-~~	8/ /2022		WP	1			X										Report PCB concentrations on a µg/100cm² basis
3	~~DOOR-N-0.3GE-EXT-3 TO 4-2208 -P-~~	8/ /2022		WP	1		X											Report lead concentrations on a µg/ft² basis
4	~~DOOR-N-0.3GE-EXT-3 TO 4-2208 -L-~~	8/ /2022		WP	1			X										Report Aroclor 1268 concentrations in addition to the standard Aroclors
5	~~DOOR-N-0.4GE-INT-17 TO 18-2208 -P-~~	8/ /2022		WP	1		X											
6	~~DOOR-N-0.4GE-INT-17 TO 18-2208 -L-~~	8/ /2022		WP	1			X										
7	~~DOOR-N-0.5GE-DG-4 TO 17-2208 -P-~~	8/ /2022		WP	1		X											
8	~~DOOR-N-0.5GE-DG-4 TO 17-2208 -P-DUP-~~	8/ /2022		WP	1		X											
9	~~DOOR-N-0.5GE-DG-4 TO 17-2208 -L-~~	8/ /2022		WP	1			X										
10	AFRAME-C1E-LAT-L3-EXT-1 TO 2-2208 22-P-WF	8/22/2022	1145	WP	1		X											
11	AFRAME-C1E-LAT-L3-EXT-1 TO 2-2208 22-L-WF	8/22/2022	1145	WP	1			X										
12	AFRAME-C1E-LAT-L3-EXT-1 TO 2-2208 22-L-DUP-WF	8/22/2022	1145	WP	1			X										
13	~~DOOR-N-0.1GE-INT-19 TO 20-202208~~ EXT-STOC- 22-P-CB	8/22/2022	1041	WP	1		X											
14	~~DOOR-N-0.1GE-INT-19 TO 20-202208~~ EXT-STOC- 22-L-CB	8/22/2022	1041	WP	1			X										
15	~~DOOR-N-0.1GE-INT-19 TO 20-202208~~ EXT-STOC- 22-L-DUP-CB	8/22/2022	1041	WP	1			X										

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michala Ginn/ENV Scientist	Rincon/ENV Scientist	1350 8/22/22
[1] Received By:	Audrey Hudson	ENTHALPY	Audrey Hudson	1:50 8/22/22
[2] Relinquished By:	Audrey Hudson	"	"	16:14 8/22/22
[2] Received By:		Maxdenill Yip	EA	8/22/22 16:14
[3] Relinquished By:		Lisa Forsyth	EA	8/22/22 1742
[3] Received By:				8/23/22 08:35

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SAMPLE RECEIPT CHECKLIST

Section 1: Login # 467769 Client: Rincon

Date Received: 8.22.22 Project:

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 8.22 By (print) JH (sign) JH

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: 1.2, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	–		
Were Method 5035 sampling containers present?		–	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	–		
Are there any missing / extra samples?		–	
Are samples in the appropriate containers for indicated tests?	–		
Are sample labels present, in good condition and complete?	–		
Does the container count match the COC?	–		
Do the sample labels agree with custody papers?	–		
Was sufficient amount of sample sent for tests requested?	–		
Did you change the hold time in LIMS for unpreserved VOAs?			–
Did you change the hold time in LIMS for preserved terracores?			–
Are bubbles > 6mm present in VOA samples?			–
Was the client contacted concerning this sample delivery?		–	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged In 8-22 **By (print)** MAY **(sign)** _____

Date Labeled 8-22 **By (print)** JH **(sign)** JH

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultant, Inc. Project: Hangar 1 - NCTRA WP / 158 Coody Road. Mountain View, CA

Date Received: 8/23/2022 Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.8 #2: _____ #3: _____ #4: _____

(Acceptonce ronge is < 6°C but not frozen (for Microbiology somples, acceptonce ronge is < 10°C but not frozen). It is occeptoble for somples collected the some day os somple receipt to hove o higher temperoture os long os there is evidence thot cooling hos begun.)

Shipping Information: Greyhound

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.9 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Received 6 Jars of samples (-001A → -006A)

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yamira Date: 8/23/2022

9/5.8

c/ 0.9

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 4

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure A

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	
1	~~DOOR-N-0.1GE-DG-1 TO 17-2208 -P-~~	8/ /2022		WP	1		X			MK
2	~~DOOR-N-0.1GE-DG-1 TO 17-2208 -L-~~	8/ /2022		WP	1			X		MK
3	~~DOOR-N-0.3GE-EXT-3 TO 4-2208 -P-~~	8/ /2022		WP	1		X			MK
4	~~DOOR-N-0.3GE-EXT-3 TO 4-2208 -L-~~	8/ /2022		WP	1			X		MK
5	~~DOOR-N-0.4GE-INT-17 TO 18-2208 -P-~~	8/ /2022		WP	1		X			MK
6	~~DOOR-N-0.4GE-INT-17 TO 18-2208 -L-~~	8/ /2022		WP	1			X		MK
7	~~DOOR-N-0.5GE-DG-1 TO 17-2208 -P-~~	8/ /2022		WP	1		X			MK
8	~~DOOR-N-0.5GE-DG-1 TO 17-2208 -P-DUP-~~	8/ /2022		WP	1		X			MK
9	~~DOOR-N-0.5GE-DG-1 TO 17-2208 -L-~~	8/ /2022		WP	1			X		MK
10	AFRAME-C1E-LAT-L3-EXT-1 TO 2-2208 22-P-WF	8/22/2022	1145	WP	1		X			
11	AFRAME-C1E-LAT-L3-EXT-1 TO 2-2208 22-L-WF	8/22/2022	1145	WP	1			X		
12	AFRAME-C1E-LAT-L3-EXT-1 TO 2-2208 22-L-DUP-WF	8/22/2022	1145	WP	1			X		
13	DOOR-N-0.1GE-EXT-10 TO 20-202208 EXT-5106- 22-P-CB	8/22/2022	1041	WP	1		X			
14	DOOR-N-0.1GE-EXT-10 TO 20-202208 EXT-5106- 22-L-CB	8/22/2022	1041	WP	1			X		
15	DOOR-N-0.1GE-EXT-10 TO 20-202208 EXT-5106- 22-L-DUP-CB	8/22/2022	1041	WP	1			X		

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michala Wynn	Scientist Rincon/ERN Scientist	1350 8/22/22
1 Received By:	Audrey Hudson	ENTHALPY	AUDREY HUDSON	1:50 8/22/22
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

CamScanner

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 467769 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-L-WF **Batch#:** 295524 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/22/22 **Analysis:** EPA 6010B
Lab ID: 467769-002 **Received:** 08/22/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/23/22
Diln Fac: 1.000 **Analyzed:** 08/23/22

467769-002 Analyte	Result	RL	Units
Lead	**46**	0.50	ug/ft2

Field ID: AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-L-DUP-WF **Batch#:** 295524 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/22/22 **Analysis:** EPA 6010B
Lab ID: 467769-003 **Received:** 08/22/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/23/22
Diln Fac: 1.000 **Analyzed:** 08/23/22

467769-003 Analyte	Result	RL	Units
Lead	**58**	0.50	ug/ft2

Field ID: DOOR-N-0.1GE-EXT-5 TO 6-220822-L-CB **Batch#:** 295524 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/22/22 **Analysis:** EPA 6010B
Lab ID: 467769-005 **Received:** 08/22/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/23/22
Diln Fac: 1.000 **Analyzed:** 08/23/22

467769-005 Analyte	Result	RL	Units
Lead	**66**	0.50	ug/ft2

Field ID: DOOR-N-0.1GE-EXT-5 TO 6-220822-L-DUP-CB **Batch#:** 295524 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/22/22 **Analysis:** EPA 6010B
Lab ID: 467769-006 **Received:** 08/22/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/23/22
Diln Fac: 1.000 **Analyzed:** 08/23/22

467769-006 Analyte	Result	RL	Units
Lead	**130**	0.50	ug/ft2

Type: BLANK **Batch#:** 295524 **Analysis:** EPA 6010B
Lab ID: QC1008205 **Prepared:** 08/23/22 **Analyst:** KLN
Matrix: Wipe **Analyzed:** 08/23/22
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1008205 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 467769 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295524 **Analysis:** EPA 6010B

Lab ID: QC1008206 **Prepared:** 08/23/22 **Analyst:** KLN

Matrix: Wipe **Analyzed:** 08/23/22

Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1008206 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	104.6	105	80-120	ug/ft2

Type: BSD **Batch#:** 295524 **Analysis:** EPA 6010B

Lab ID: QC1008207 **Prepared:** 08/23/22 **Analyst:** KLN

Matrix: Wipe **Analyzed:** 08/23/22

Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1008207 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	102.6	103	80-120	ug/ft2	2	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 467769 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB	
467769-002	MET06	08/23/22 13:19	1.0	+	
467769-003	MET06	08/23/22 13:22	1.0	+	
467769-005	MET06	08/23/22 13:25	1.0	+	
467769-006	MET06	08/23/22 13:28	1.0	+	
QC1008205	MET06	08/23/22 13:09	1.0	+	
QC1008206	MET06	08/23/22 13:12	1.0	+	
QC1008207	MET06	08/23/22 13:15	1.0	+	

Enthalpy Sequence Summary for Sequence 482338973

Instrument : MET06 Begun : 08/23/22 09:33
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			08/23/22 09:33	1.0	1	
002	met06_master	ICAL	L1			08/23/22 09:37	1.0	2 1	
003	met06_master	ICAL	L2			08/23/22 09:40	1.0	3 1	
004	met06_master	ICAL	L3			08/23/22 09:43	1.0	4 1	
005	met06_master	ICAL	L4			08/23/22 09:46	1.0	5 1	
006	met06_master	ICAL	L5			08/23/22 09:50	1.0	6 1	
007	met06_master	ICAL	L6			08/23/22 09:53	1.0	7 1	
008	met06_master	ICAL	L7			08/23/22 09:56	1.0	8 1	
009	met06_master	ICAL	L8			08/23/22 10:00	1.0	9 1	
010	met06_master	ICV				08/23/22 10:03	1.0	10 1	
011	met06_master	CRI				08/23/22 10:06	1.0	11 1	
012	met06_master	ICB				08/23/22 10:10	1.0	1	
013	met06_master	ICSA				08/23/22 10:13	1.0	12 1	4:MGASMGCO3=1400
014	met06_master	ICSAB				08/23/22 10:16	1.0	13 1	4:MGASMGCO3=1400
015	met06_master	BS	QC1007818	Soil	295419	08/23/22 10:19	1.0	1	
016	met06_master	BSD	QC1007819	Soil	295419	08/23/22 10:23	1.0	1	
017	met06_master	SAMPLE	467401-001	Water	295313	08/23/22 10:26	1.0	1	2:K=4800
018	met06_master	LCS	QC1007951	TCLP Leachate	295454	08/23/22 10:31	1.0	1	
019	met06_master	SAMPLE	467595-001	Miscell.	295415	08/23/22 10:34	1.0	1	1:AL=2900
020	met06_master	LCS	QC1007812	Soil	295416	08/23/22 10:37	1.0	1	
021	met06_master	SAMPLE	467519-022	Soil	295416	08/23/22 10:41	1.0	1	
022	met06_master	SAMPLE	467519-024	Soil	295416	08/23/22 10:44	1.0	1	1:FE=160
023	met06_master	CCV				08/23/22 10:48	1.0	10 1	
024	met06_master	CCB				08/23/22 10:52	1.0	1	
025	met06_master	SAMPLE	467519-027	Soil	295416	08/23/22 10:55	1.0	1	
026	met06_master	SAMPLE	467519-039	Soil	295416	08/23/22 10:58	1.0	1	
027	met06_master	SAMPLE	467519-043	Soil	295416	08/23/22 11:01	1.0	1	
028	met06_master	CCV				08/23/22 11:05	1.0	10 1	
029	met06_master	CCB				08/23/22 11:08	1.0	1	
030	met06_master	BLANK	QC1008177	Water	295517	08/23/22 11:29	1.0	1	
031	met06_master	LCS	QC1008178	Water	295517	08/23/22 11:33	1.0	1	
032	met06_master	SAMPLE	467758-002	Sea Water	295517	08/23/22 11:36	1.0	1	4:NA=3500
033	met06_master	MSS	467782-001	Water	295517	08/23/22 11:39	1.0	1	2:NA=1100
034	met06_master	MS	QC1008179	Water	295517	08/23/22 11:42	1.0	1	2:NA=1000
035	met06_master	MSD	QC1008180	Water	295517	08/23/22 11:46	1.0	1	2:NA=1000
036	met06_master	BLANK	QC1008181	Wipe	295518	08/23/22 11:49	1.0	1	
037	met06_master	CCV				08/23/22 11:54	1.0	10 1	
038	met06_master	CCB				08/23/22 11:57	1.0	1	
039	met06_master	SAMPLE	467519-027	Soil	295416	08/23/22 12:00	1.0	1	
040	met06_master	SAMPLE	467519-039	Soil	295416	08/23/22 12:03	1.0	1	
041	met06_master	SAMPLE	467519-043	Soil	295416	08/23/22 12:07	1.0	1	
042	met06_master	BLANK	QC1008177	Water	295517	08/23/22 12:10	1.0	1	
043	met06_master	LCS	QC1008178	Water	295517	08/23/22 12:13	1.0	1	
044	met06_master	SAMPLE	467758-002	Sea Water	295517	08/23/22 12:16	1.0	1	4:NA=3300
045	met06_master	MSS	467782-001	Water	295517	08/23/22 12:20	1.0	1	2:NA=1100
046	met06_master	MS	QC1008179	Water	295517	08/23/22 12:23	1.0	1	2:NA=1000
047	met06_master	MSD	QC1008180	Water	295517	08/23/22 12:26	1.0	1	2:NA=1000
048	met06_master	BLANK	QC1008181	Wipe	295518	08/23/22 12:29	1.0	1	
049	met06_master	CCV				08/23/22 12:33	1.0	10 1	
050	met06_master	CCB				08/23/22 12:36	1.0	1	
051	met06_master	BS	QC1008182	Wipe	295518	08/23/22 12:39	1.0	1	
052	met06_master	BSD	QC1008183	Wipe	295518	08/23/22 12:42	1.0	1	

Enthalpy Sequence Summary for Sequence 482338973

Instrument : MET06 Begun : 08/23/22 09:33
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	SAMPLE	467767-002	Wipe	295518	08/23/22 12:46	1.0	1	
054	met06_master	CCV				08/23/22 12:49	1.0	10 1	
055	met06_master	CCB				08/23/22 12:52	1.0	1	
056	met06_master	BLANK	QC1008205	Wipe	295524	08/23/22 13:09	1.0	1	
057	met06_master	BS	QC1008206	Wipe	295524	08/23/22 13:12	1.0	1	
058	met06_master	BSD	QC1008207	Wipe	295524	08/23/22 13:15	1.0	1	
059	met06_master	SAMPLE	467769-002	Wipe	295524	08/23/22 13:19	1.0	1	
060	met06_master	SAMPLE	467769-003	Wipe	295524	08/23/22 13:22	1.0	1	
061	met06_master	SAMPLE	467769-005	Wipe	295524	08/23/22 13:25	1.0	1	
062	met06_master	SAMPLE	467769-006	Wipe	295524	08/23/22 13:28	1.0	1	
063	met06_master	SAMPLE	467771-002	Wipe	295524	08/23/22 13:32	1.0	1	
064	met06_master	SAMPLE	467771-004	Wipe	295524	08/23/22 13:35	1.0	1	
065	met06_master	SAMPLE	467771-006	Wipe	295524	08/23/22 13:38	1.0	1	
066	met06_master	CCV				08/23/22 13:41	1.0	10 1	
067	met06_master	CCB				08/23/22 13:45	1.0	1	
068	met06_master	SAMPLE	467771-008	Wipe	295524	08/23/22 13:48	1.0	1	
069	met06_master	SAMPLE	467774-002	Wipe	295524	08/23/22 13:51	1.0	1	
070	met06_master	SAMPLE	467774-004	Wipe	295524	08/23/22 13:54	1.0	1	
071	met06_master	SAMPLE	467774-006	Wipe	295524	08/23/22 13:58	1.0	1	
072	met06_master	SAMPLE	467774-008	Wipe	295524	08/23/22 14:01	1.0	1	
073	met06_master	BLANK	QC1008173	Soil	295516	08/23/22 14:04	1.0	1	
074	met06_master	LCS	QC1008227	Soil	295516	08/23/22 14:07	1.0	1	
075	met06_master	SAMPLE	467649-005	Soil	295516	08/23/22 14:11	1.0	1	2:FE=350
076	met06_master	SAMPLE	467682-001	Soil	295516	08/23/22 14:14	1.0	1	
077	met06_master	SAMPLE	467682-002	Soil	295516	08/23/22 14:17	1.0	1	
078	met06_master	CCV				08/23/22 14:20	1.0	10 1	
079	met06_master	CCB				08/23/22 14:24	1.0	1	
080	met06_master	SAMPLE	467682-003	Soil	295516	08/23/22 14:27	1.0	1	1:FE=180
081	met06_master	SAMPLE	467682-004	Soil	295516	08/23/22 14:30	1.0	1	1:FE=170
082	met06_master	SAMPLE	467682-005	Soil	295516	08/23/22 14:34	1.0	1	1:FE=190
083	met06_master	SAMPLE	467682-006	Soil	295516	08/23/22 14:37	1.0	1	
084	met06_master	SAMPLE	467682-007	Soil	295516	08/23/22 14:40	1.0	1	3:FE=220
085	met06_master	SAMPLE	467682-008	Soil	295516	08/23/22 14:43	1.0	1	1:FE=200
086	met06_master	SAMPLE	467682-009	Soil	295516	08/23/22 14:47	1.0	1	1:FE=180
087	met06_master	SAMPLE	467682-010	Soil	295516	08/23/22 14:50	1.0	1	1:FE=200
088	met06_master	SAMPLE	467682-011	Soil	295516	08/23/22 14:53	1.0	1	1:FE=210
089	met06_master	SAMPLE	467690-001	Miscell.	295516	08/23/22 14:56	1.0	1	3:FE=400
090	met06_master	CCV				08/23/22 15:00	1.0	10 1	
091	met06_master	CCB				08/23/22 15:03	1.0	1	
092	met06_master	SAMPLE	467690-002	Miscell.	295516	08/23/22 15:06	1.0	1	3:FE=430
093	met06_master	SAMPLE	467690-003	Miscell.	295516	08/23/22 15:09	1.0	1	3:FE=440
094	met06_master	MSS	467694-001	Soil	295516	08/23/22 15:13	1.0	1	3:FEASFE2O3=250
095	met06_master	MS	QC1008174	Soil	295516	08/23/22 15:16	1.0	1	3:ALASAL2O3=280
096	met06_master	MSD	QC1008175	Soil	295516	08/23/22 15:19	1.0	1	3:ALASAL2O3=290
097	met06_master	PDS	QC1008176	Soil	295516	08/23/22 15:22	1.0	1	1:FE=170
098	met06_master	SAMPLE	467694-002	Soil	295516	08/23/22 15:26	1.0	1	2:FE=240
099	met06_master	SAMPLE	467694-003	Soil	295516	08/23/22 15:29	1.0	1	2:SULFUR=250
100	met06_master	SAMPLE	467746-001	Miscell.	295516	08/23/22 15:32	1.0	1	1:V=12
101	met06_master	CCV				08/23/22 15:35	1.0	10 1	
102	met06_master	CCB				08/23/22 15:39	1.0	1	

Enthalpy Sequence Summary for Sequence 482338973

Instrument : MET06 Begun : 08/23/22 09:33
Method : EPA 6010B

Standards used: 1=S13369 2=S17110 3=S17109 4=S17108 5=S17107 6=S16645 7=S17115 8=S17113 9=S17048 10=S17024 11=S16646 12=S16979 13=S17065

Enthalpy Internal Standard Summary for Sequence 482338973

Date : 08/23/22 Reference : met06_master
Sequence : MET06 08/23/22 Analyzed : 08/23/22 09:33

#	Type	Sample ID	Y H		Y A		Y R
		ICALBLK STD	17553115		970979		370837
		LOWER LIMIT	5265935		291294		111251
		UPPER LIMIT	35106230		1941958		741674
012	ICB		18422473		1053037		372579
013	ICSA		16549392		914571		335426
014	ICSAB		16574588		917293		334966
015	BS	QC1007818	17467397		988845		362301
016	BSD	QC1007819	17576484		983238		358667
017	SAMPLE	467401-001	16099358		917999		325921
018	LCS	QC1007951	17540225		982420		356276
019	SAMPLE	467595-001	16357972		959768		355186
020	LCS	QC1007812	17508821		983206		363435
021	SAMPLE	467519-022	17652958		980216		362929
022	SAMPLE	467519-024	17612433		975312		369014
023	CCV		17257296		953026		348751
024	CCB		18778050		1042058		422394
025	SAMPLE	467519-027	17636264		977988		370418
026	SAMPLE	467519-039	17883059		990743		378881
027	SAMPLE	467519-043	17681482		976871		369610
028	CCV		17520873		969141		355166
029	CCB		38474113	*	2077885	*	636679
030	BLANK	QC1008177	18649821		1059002		383131
031	LCS	QC1008178	18516927		1046660		376972
032	SAMPLE	467758-002	14763986		820558		305158
033	MSS	467782-001	18091952		1035887		364396
034	MS	QC1008179	18104117		1031977		364846
035	MSD	QC1008180	18198460		1040818		364902
036	BLANK	QC1008181	17939163		1033197		376777
037	CCV		18025237		1029511		364589
038	CCB		18876763		1103800		387282
039	SAMPLE	467519-027	18446911		1248976		600563
040	SAMPLE	467519-039	18741770		1083715		512987
041	SAMPLE	467519-043	18260870		1277181		631885
042	BLANK	QC1008177	19031874		1097442		385310
043	LCS	QC1008178	18640065		1081514		379918
044	SAMPLE	467758-002	14941903		842801		308493
045	MSS	467782-001	18200123		1054303		366052
046	MS	QC1008179	18172665		1054624		363859
047	MSD	QC1008180	18424277		1065024		367896
048	BLANK	QC1008181	17880783		1039832		378391
049	CCV		18145562		1051773		362084
050	CCB		18998581		1122614		388787
051	BS	QC1008182	17834831		1046629		377414
052	BSD	QC1008183	17992691		1053391		374558
053	SAMPLE	467767-002	18384569		1043839		385140
054	CCV		18253856		1053095		365141
055	CCB		18954175		1114347		379515
056	BLANK	QC1008205	18150078		1067561		385193
057	BS	QC1008206	18284583		1072343		377525
058	BSD	QC1008207	18086039		1065993		376388
059	SAMPLE	467769-002	18491529		1067697		384974

Enthalpy Internal Standard Summary for Sequence 482338973

Date : 08/23/22 Reference : met06_master
Sequence : MET06 08/23/22 Analyzed : 08/23/22 09:33

#	Type	Sample ID	Y H	Y A	Y R
060	SAMPLE	467769-003	18492007	1070154	384199
061	SAMPLE	467769-005	18358973	1067502	384469
062	SAMPLE	467769-006	18424803	1067281	386290
063	SAMPLE	467771-002	18348755	1062226	383867
064	SAMPLE	467771-004	18232003	1060529	382530
065	SAMPLE	467771-006	18411392	1062738	384484
066	CCV		18055983	1053138	363460
067	CCB		18834812	1122614	388771
068	SAMPLE	467771-008	18144791	1054434	383265
069	SAMPLE	467774-002	18479023	1067038	389283
070	SAMPLE	467774-004	18402125	1065961	388397
071	SAMPLE	467774-006	18331319	1066835	383807
072	SAMPLE	467774-008	18203050	1059068	387025
073	BLANK	QC1008173	18301932	1071381	385196
074	LCS	QC1008227	18268178	1075767	382860
075	SAMPLE	467649-005	17688276	1019147	368815
076	SAMPLE	467682-001	18680287	1078708	395213
077	SAMPLE	467682-002	18018312	1044698	378078
078	CCV		18184826	1056842	368579
079	CCB		18762638	1130806	392206
080	SAMPLE	467682-003	17964973	1041423	376248
081	SAMPLE	467682-004	18171857	1053141	380198
082	SAMPLE	467682-005	18399863	1063823	390611
083	SAMPLE	467682-006	18057052	1046442	380612
084	SAMPLE	467682-007	18182238	1062863	380373
085	SAMPLE	467682-008	18163143	1063002	380760
086	SAMPLE	467682-009	18077333	1051780	376800
087	SAMPLE	467682-010	18447770	1074842	390998
088	SAMPLE	467682-011	18671005	1078174	395961
089	SAMPLE	467690-001	18020216	1040890	382668
090	CCV		18196573	1063814	369477
091	CCB		18878616	1127447	388448
092	SAMPLE	467690-002	17854057	1016661	374114
093	SAMPLE	467690-003	17537405	999527	369379
094	MSS	467694-001	18218853	1065909	382562
095	MS	QC1008174	17916241	1058413	379835
096	MSD	QC1008175	17997176	1059773	381158
098	SAMPLE	467694-002	18223159	1069466	390138
099	SAMPLE	467694-003	17919645	1046411	378698
100	SAMPLE	467746-001	19006182	1128129	406145
101	CCV		18294493	1064260	375002
102	CCB		18863045	1138553	389709

ENTHALPY INITIAL CALIBRATION FOR 467769 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482338973001	Date:	23-AUG-2022 09:33
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482338973002	L1	23-AUG-2022 09:37	S17110, S13369 (100X)
L2	met06_master	482338973003	L2	23-AUG-2022 09:40	S17109, S13369 (100X)
L3	met06_master	482338973004	L3	23-AUG-2022 09:43	S17108, S13369 (100X)
L4	met06_master	482338973005	L4	23-AUG-2022 09:46	S17107, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0223	0.0396	0.0393	0.0375	WB1K	0.00283	26.6219		0.0347	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	**44**	0.1000	8	1.0000	5	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06
Calnum : 482338973001 Cal Date : 23-AUG-2022

ICV 482338973010 (23-AUG-2022) stds: S17024, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	1.041	mg/l	4	

ENTHALPY INSTRUMENT BLANK FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973012 File : met06_master Time : 23-AUG-2022 10:10
Cal : 482338973001 Caldate : 23-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18422473	4.95
Yttrium	A	970979	1053037	8.45
Yttrium	R	370837	372579	0.47

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973013 File : met06_master Time : 23-AUG-2022 10:13
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S16979, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.005544	0.003333	mg/l	!a+

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	146.3	mg/l	91	
Aluminum	R	400.0	370.8	mg/l	93	
Calcium	R	400.0	391.6	mg/l	98	
Magnesium	R	400.0	403.3	mg/l	101	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	16549392	-5.72
Yttrium	A	970979	914571	-5.81
Yttrium	R	370837	335426	-9.55

!=warning +=high bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973014 File : met06_master Time : 23-AUG-2022 10:16
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S17065, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.041	mg/l	4	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	16574588	-5.57
Yttrium	A	970979	917293	-5.53
Yttrium	R	370837	334966	-9.67

ENTHALPY CONTINUING CALIBRATION FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973054 File : met06_master Time : 23-AUG-2022 12:49
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0347	0.0402	1.000	1.072	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18253856	3.99
Yttrium	A	970979	1053095	8.46
Yttrium	R	370837	365141	-1.54

ENTHALPY INSTRUMENT BLANK FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973055 File : met06_master Time : 23-AUG-2022 12:52
Cal : 482338973001 Caldate : 23-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18954175	7.98
Yttrium	A	970979	1114347	14.77
Yttrium	R	370837	379515	2.34

ENTHALPY CONTINUING CALIBRATION FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973066 File : met06_master Time : 23-AUG-2022 13:41
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0347	0.0400	1.000	1.067	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18055983	2.86
Yttrium	A	970979	1053138	8.46
Yttrium	R	370837	363460	-1.99

ENTHALPY INSTRUMENT BLANK FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973067 File : met06_master Time : 23-AUG-2022 13:45
Cal : 482338973001 Caldate : 23-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18834812	7.30
Yttrium	A	970979	1122614	15.62
Yttrium	R	370837	388771	4.84

SAMPLE PREPARATION SUMMARY

Batch # : 295524 Analysis : ICP
Started By : DLS Prep Date : 23-AUG-2022 10:35 Finished By : DLS
Method : 3050B Units : ft2
Spike #1 ID : S16855 Spike #2 ID : S16906

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
467769-002		Wipe	1	100	1	100.0						6010	
467769-003		Wipe	1	100	1	100.0						6010	
467769-005		Wipe	1	100	1	100.0						6010	
467769-006		Wipe	1	100	1	100.0						6010	
467771-002		Wipe	1	100	1	100.0						6010	
467771-004		Wipe	1.06	100	1	94.34						6010	
467771-006		Wipe	1	100	1	100.0						6010	
467771-008		Wipe	1.06	100	1	94.34						6010	
467774-002		Wipe	1.0276	100	1	97.31						6010	
467774-004		Wipe	1	100	1	100.0						6010	
467774-006		Wipe	1.02	100	1	98.04						6010	
467774-008		Wipe	1	100	1	100.0						6010	
QC1008205	BLANK	Wipe	1	100	1	100.0						ICP	
QC1008206	BS	Wipe	1	100	1	100.0		1	1			ICP	
QC1008207	BSD	Wipe	1	100	1	100.0		1	1			ICP	

Analyst: KLN Date: 08/23/22 Reviewer: DCD Date: 08/24/22

ICP Prep Log

Initials: DS Prep Method: 3050B / 3010A / 200.7 / STLC QC Batch #: 205524 Thermometer ID: 163746

Prep Start, Date/Time: 6/23/22 1035 Prep End, Date/Time: 6/23/22 1155 HotBlock Temperature, °C: 95

HotBlock ID: 11

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Vol. or Weight (mL or g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	-----	-----	-----	NA	NA	100	M-DI150XX027	
LCS	-----	-----	-----	↓				
467769-2	A	NA	W.P.B	1 WPB				
-3	A							
-5	A							
-6	A							
467771-2	A							
-4	A							
-6	A							
-8	A							
467774-2	A							
-4	A							
-6	A							
-8	A							
LCSD	NA			NA				

Hydrochloric Acid ID: 10mL - 221660149

Nitric Acid ID: 10mL - 202205138

H_2O_2 ID: 3mL 131502

LCS Spike ID: 1mL - S1C655 / S1C906

MS/MSD Spike ID: NA

ICP Raw Data

Enthalpy Sequence Summary for Sequence 482338973

Instrument : MET06 Begun : 08/23/22 09:33
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			08/23/22 09:33	1.0	1	
002	met06_master	ICAL	L1			08/23/22 09:37	1.0	2 1	
003	met06_master	ICAL	L2			08/23/22 09:40	1.0	3 1	
004	met06_master	ICAL	L3			08/23/22 09:43	1.0	4 1	
005	met06_master	ICAL	L4			08/23/22 09:46	1.0	5 1	
006	met06_master	ICAL	L5			08/23/22 09:50	1.0	6 1	
007	met06_master	ICAL	L6			08/23/22 09:53	1.0	7 1	
008	met06_master	ICAL	L7			08/23/22 09:56	1.0	8 1	
009	met06_master	ICAL	L8			08/23/22 10:00	1.0	9 1	
010	met06_master	ICV				08/23/22 10:03	1.0	10 1	
011	met06_master	CRI				08/23/22 10:06	1.0	11 1	
012	met06_master	ICB				08/23/22 10:10	1.0	1	
013	met06_master	ICSA				08/23/22 10:13	1.0	12 1	4:MGASMGCO3=1400
014	met06_master	ICSAB				08/23/22 10:16	1.0	13 1	4:MGASMGCO3=1400
015	met06_master	BS	QC1007818	Soil	295419	08/23/22 10:19	1.0	1	
016	met06_master	BSD	QC1007819	Soil	295419	08/23/22 10:23	1.0	1	
017	met06_master	SAMPLE	467401-001	Water	295313	08/23/22 10:26	1.0	1	2:K=4800
018	met06_master	LCS	QC1007951	TCLP Leachate	295454	08/23/22 10:31	1.0	1	
019	met06_master	SAMPLE	467595-001	Miscell.	295415	08/23/22 10:34	1.0	1	1:AL=2900
020	met06_master	LCS	QC1007812	Soil	295416	08/23/22 10:37	1.0	1	
021	met06_master	SAMPLE	467519-022	Soil	295416	08/23/22 10:41	1.0	1	
022	met06_master	SAMPLE	467519-024	Soil	295416	08/23/22 10:44	1.0	1	1:FE=160
023	met06_master	CCV				08/23/22 10:48	1.0	10 1	
024	met06_master	CCB				08/23/22 10:52	1.0	1	
025	met06_master	SAMPLE	467519-027	Soil	295416	08/23/22 10:55	1.0	1	
026	met06_master	SAMPLE	467519-039	Soil	295416	08/23/22 10:58	1.0	1	
027	met06_master	SAMPLE	467519-043	Soil	295416	08/23/22 11:01	1.0	1	
028	met06_master	CCV				08/23/22 11:05	1.0	10 1	
029	met06_master	CCB				08/23/22 11:08	1.0	1	
030	met06_master	BLANK	QC1008177	Water	295517	08/23/22 11:29	1.0	1	
031	met06_master	LCS	QC1008178	Water	295517	08/23/22 11:33	1.0	1	
032	met06_master	SAMPLE	467758-002	Sea Water	295517	08/23/22 11:36	1.0	1	4:NA=3500
033	met06_master	MSS	467782-001	Water	295517	08/23/22 11:39	1.0	1	2:NA=1100
034	met06_master	MS	QC1008179	Water	295517	08/23/22 11:42	1.0	1	2:NA=1000
035	met06_master	MSD	QC1008180	Water	295517	08/23/22 11:46	1.0	1	2:NA=1000
036	met06_master	BLANK	QC1008181	Wipe	295518	08/23/22 11:49	1.0	1	
037	met06_master	CCV				08/23/22 11:54	1.0	10 1	
038	met06_master	CCB				08/23/22 11:57	1.0	1	
039	met06_master	SAMPLE	467519-027	Soil	295416	08/23/22 12:00	1.0	1	
040	met06_master	SAMPLE	467519-039	Soil	295416	08/23/22 12:03	1.0	1	
041	met06_master	SAMPLE	467519-043	Soil	295416	08/23/22 12:07	1.0	1	
042	met06_master	BLANK	QC1008177	Water	295517	08/23/22 12:10	1.0	1	
043	met06_master	LCS	QC1008178	Water	295517	08/23/22 12:13	1.0	1	
044	met06_master	SAMPLE	467758-002	Sea Water	295517	08/23/22 12:16	1.0	1	4:NA=3300
045	met06_master	MSS	467782-001	Water	295517	08/23/22 12:20	1.0	1	2:NA=1100
046	met06_master	MS	QC1008179	Water	295517	08/23/22 12:23	1.0	1	2:NA=1000
047	met06_master	MSD	QC1008180	Water	295517	08/23/22 12:26	1.0	1	2:NA=1000
048	met06_master	BLANK	QC1008181	Wipe	295518	08/23/22 12:29	1.0	1	
049	met06_master	CCV				08/23/22 12:33	1.0	10 1	
050	met06_master	CCB				08/23/22 12:36	1.0	1	
051	met06_master	BS	QC1008182	Wipe	295518	08/23/22 12:39	1.0	1	
052	met06_master	BSD	QC1008183	Wipe	295518	08/23/22 12:42	1.0	1	

Enthalpy Sequence Summary for Sequence 482338973

Instrument : MET06 Begun : 08/23/22 09:33
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	SAMPLE	467767-002	Wipe	295518	08/23/22 12:46	1.0	1	
054	met06_master	CCV				08/23/22 12:49	1.0	10 1	
055	met06_master	CCB				08/23/22 12:52	1.0	1	
056	met06_master	BLANK	QC1008205	Wipe	295524	08/23/22 13:09	1.0	1	
057	met06_master	BS	QC1008206	Wipe	295524	08/23/22 13:12	1.0	1	
058	met06_master	BSD	QC1008207	Wipe	295524	08/23/22 13:15	1.0	1	
059	met06_master	SAMPLE	467769-002	Wipe	295524	08/23/22 13:19	1.0	1	
060	met06_master	SAMPLE	467769-003	Wipe	295524	08/23/22 13:22	1.0	1	
061	met06_master	SAMPLE	467769-005	Wipe	295524	08/23/22 13:25	1.0	1	
062	met06_master	SAMPLE	467769-006	Wipe	295524	08/23/22 13:28	1.0	1	
063	met06_master	SAMPLE	467771-002	Wipe	295524	08/23/22 13:32	1.0	1	
064	met06_master	SAMPLE	467771-004	Wipe	295524	08/23/22 13:35	1.0	1	
065	met06_master	SAMPLE	467771-006	Wipe	295524	08/23/22 13:38	1.0	1	
066	met06_master	CCV				08/23/22 13:41	1.0	10 1	
067	met06_master	CCB				08/23/22 13:45	1.0	1	
068	met06_master	SAMPLE	467771-008	Wipe	295524	08/23/22 13:48	1.0	1	
069	met06_master	SAMPLE	467774-002	Wipe	295524	08/23/22 13:51	1.0	1	
070	met06_master	SAMPLE	467774-004	Wipe	295524	08/23/22 13:54	1.0	1	
071	met06_master	SAMPLE	467774-006	Wipe	295524	08/23/22 13:58	1.0	1	
072	met06_master	SAMPLE	467774-008	Wipe	295524	08/23/22 14:01	1.0	1	
073	met06_master	BLANK	QC1008173	Soil	295516	08/23/22 14:04	1.0	1	
074	met06_master	LCS	QC1008227	Soil	295516	08/23/22 14:07	1.0	1	
075	met06_master	SAMPLE	467649-005	Soil	295516	08/23/22 14:11	1.0	1	2:FE=350
076	met06_master	SAMPLE	467682-001	Soil	295516	08/23/22 14:14	1.0	1	
077	met06_master	SAMPLE	467682-002	Soil	295516	08/23/22 14:17	1.0	1	
078	met06_master	CCV				08/23/22 14:20	1.0	10 1	
079	met06_master	CCB				08/23/22 14:24	1.0	1	
080	met06_master	SAMPLE	467682-003	Soil	295516	08/23/22 14:27	1.0	1	1:FE=180
081	met06_master	SAMPLE	467682-004	Soil	295516	08/23/22 14:30	1.0	1	1:FE=170
082	met06_master	SAMPLE	467682-005	Soil	295516	08/23/22 14:34	1.0	1	1:FE=190
083	met06_master	SAMPLE	467682-006	Soil	295516	08/23/22 14:37	1.0	1	
084	met06_master	SAMPLE	467682-007	Soil	295516	08/23/22 14:40	1.0	1	3:FE=220
085	met06_master	SAMPLE	467682-008	Soil	295516	08/23/22 14:43	1.0	1	1:FE=200
086	met06_master	SAMPLE	467682-009	Soil	295516	08/23/22 14:47	1.0	1	1:FE=180
087	met06_master	SAMPLE	467682-010	Soil	295516	08/23/22 14:50	1.0	1	1:FE=200
088	met06_master	SAMPLE	467682-011	Soil	295516	08/23/22 14:53	1.0	1	1:FE=210
089	met06_master	SAMPLE	467690-001	Miscell.	295516	08/23/22 14:56	1.0	1	3:FE=400
090	met06_master	CCV				08/23/22 15:00	1.0	10 1	
091	met06_master	CCB				08/23/22 15:03	1.0	1	
092	met06_master	SAMPLE	467690-002	Miscell.	295516	08/23/22 15:06	1.0	1	3:FE=430
093	met06_master	SAMPLE	467690-003	Miscell.	295516	08/23/22 15:09	1.0	1	3:FE=440
094	met06_master	MSS	467694-001	Soil	295516	08/23/22 15:13	1.0	1	3:FEASFE2O3=250
095	met06_master	MS	QC1008174	Soil	295516	08/23/22 15:16	1.0	1	3:ALASAL2O3=280
096	met06_master	MSD	QC1008175	Soil	295516	08/23/22 15:19	1.0	1	3:ALASAL2O3=290
097	met06_master	PDS	QC1008176	Soil	295516	08/23/22 15:22	1.0	1	1:FE=170
098	met06_master	SAMPLE	467694-002	Soil	295516	08/23/22 15:26	1.0	1	2:FE=240
099	met06_master	SAMPLE	467694-003	Soil	295516	08/23/22 15:29	1.0	1	2:SULFUR=250
100	met06_master	SAMPLE	467746-001	Miscell.	295516	08/23/22 15:32	1.0	1	1:V=12
101	met06_master	CCV				08/23/22 15:35	1.0	10 1	
102	met06_master	CCB				08/23/22 15:39	1.0	1	

Enthalpy Sequence Summary for Sequence 482338973

Instrument : MET06 Begun : 08/23/22 09:33
Method : EPA 6010B

Standards used: 1=S13369 2=S17110 3=S17109 4=S17108 5=S17107 6=S16645 7=S17115 8=S17113 9=S17048 10=S17024 11=S16646 12=S16979 13=S17065

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467769-002	Client ID	: AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-L-WF
Seqnum	: 482338973059.1	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295524	Time	: 23-AUG-2022 13:19
Cal	: 482338973001	Caldate	: 23-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.4566	46	0.50	0.087	!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	970979	1067697	9.96

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467769-002,295524			Sample Type: Unknown Sample
Measure Date: 2022-08-23 13:19:05	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	61847.63800	4986.69340	6866.44490	9847.87850	11629.10300	120757	11624.51400
Int RSD	*0.78067539*	*9.22195237*	*0.70503347*	*1.41674951*	*0.90867817*	*1.75937114*	*1.67544561*
Int SD	*482.82929000*	*459.87049000*	*48.41073500*	*139.51977000*	*105.67112000*	*2124.57120*	*194.76241000*
RelInt Mean	0.00003403	0.00790466	-0.00066779	0.00203005	0.00211473	0.31410839	0.00272665
RelInt RSD	*2.74900297*	*11.59749169*	*5.54259312*	*7.79293352*	*7.62520435*	*2.21948949*	*7.81363013*
RelInt SD	*0.00000094*	*0.00091674*	*0.00003701*	*0.00015820*	*0.00016125*	*0.00697160*	*0.00021305*
Conc Mean	<-0.00035825[mg/l]	0.91595580[mg/l]	<-0.01534709[mg/l]	0.01469930[mg/l]	0.00620273[mg/l]	15.56165900[mg/l]	0.01354570[mg/l]
Conc RSD	*8.60696399*	*13.88679454*	*7.77106822*	*9.57647904*	*8.36481893*	*2.22992806*	*7.85194885*
Conc SD	*0.00003083[mg/l]*	*0.12719690[mg/l]*	*0.00119263[mg/l]*	*0.00140767[mg/l]*	*0.00051885[mg/l]*	*0.34701380[mg/l]*	*0.00106360[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	11762.51900	158530	15100525	3484.50460	5200.83180	620672	7025.29580
Int RSD	*0.60444378*	*0.90792876*	*0.33860002*	*15.88057855*	*11.90123953*	*0.35986481*	*1.38729199*
Int SD	*71.09781500*	*1439.33910*	*51130.38000*	*553.35949000*	*618.96345000*	*2233.57990*	*97.46136600*
RelInt Mean	0.00391528	0.00573847	14.28697000	0.00870028	0.00832117	0.57744919	0.00004161
RelInt RSD	*1.69219749*	*1.00548694*	*0.91429134*	*15.20552462*	*15.87509163*	*0.81568463*	*246.82094612*
RelInt SD	*0.00006625*	*0.00005770*	*0.13062453*	*0.00132292*	*0.00132099*	*0.00471016*	*0.00010270*
Conc Mean	0.02525248[mg/l]	0.11587709[mg/l]	43.77510100[mg/l]	6.53290250[mg/l]	2.29033290[mg/l]	0.34991186[mg/l]	<-0.00238861[mg/l]
Conc RSD	*1.70538455*	*1.15681253*	*0.91570299*	*17.75709342*	*16.11899213*	*0.81605676*	*29.57352658*
Conc SD	*0.00043065[mg/l]*	*0.00134048[mg/l]*	*0.40084991[mg/l]*	*1.16005360[mg/l]*	*0.36917858[mg/l]*	*0.00285548[mg/l]*	*0.00070640[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	80062.31600	13830.64500	27995.87700	7894.25740	6729.05630	9034.19910	8920.67790
Int RSD	*9.22355806*	*0.77316134*	*0.49733423*	*0.90881031*	*0.80846626*	*0.38087328*	*14.00066692*
Int SD	*7384.59420*	*106.93320000*	*139.23308000*	*71.74382500*	*54.40215000*	*34.40885000*	*1248.95440*
RelInt Mean	0.18908408	0.00423971	0.01705381	0.00054428	0.00001067	-0.00011703	0.01990321
RelInt RSD	*8.93676083*	*3.94407256*	*0.59264955*	*18.31189656*	*411.01301687*	*28.83299243*	*14.93635599*
RelInt SD	*0.01689799*	*0.00016722*	*0.00010107*	*0.00009967*	*0.00004387*	*0.00003374*	*0.00297281*
Conc Mean	7.14019210[mg/l]	0.02953712[mg/l]	0.45661937[mg/l]	0.01573685[mg/l]	<-0.00147825[mg/l]	<-0.00752062[mg/l]	0.01495178[mg/l]
Conc RSD	*10.27003265*	*4.18369118*	*0.58913237*	*21.52850818*	*91.70578095*	*7.48097428*	*14.79659206*
Conc SD	*0.73330006[mg/l]*	*0.00123574[mg/l]*	*0.00269009[mg/l]*	*0.00338791[mg/l]*	*0.00135564[mg/l]*	*0.00056262[mg/l]*	*0.00221235[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	199395	6385.79170	18773.26700	1067697	18491529	384974	407776
Int RSD	*3.13976713*	*0.45162386*	*0.32919502*	*0.57667487*	*0.40051186*	*0.63928846*	*0.47123403*
Int SD	*6260.54370*	*28.83975900*	*61.80066000*	*6157.14260*	*74060.76700*	*2461.09680*	*1921.57760*
RelInt Mean	0.00718645	-0.00096941	0.00020597	---	---	---	0.37964962
RelInt RSD	*4.95841341*	*4.60139703*	*6.27908493*	---	---	---	*0.17055518*
RelInt SD	*0.00035633*	*0.00004461*	*0.00001293*	---	---	---	*0.00064751*
Conc Mean	0.04972822[mg/l]	<-0.05098812[mg/l]	<0.00062657[mg/l]	1056163	18411693	383414	1.00762470[mg/l]
Conc RSD	*5.84461599*	*5.50005317*	*317.10088264*	---	---	---	*0.17063872*
Conc SD	*0.00290642[mg/l]*	*0.00280437[mg/l]*	*0.00198686[mg/l]*	*6123.85840*	*74304.40900*	*2541.16610*	*0.00171940[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	97.39422700	5922.97160	174025	23935.44600	9192.83840	154754	
Int RSD	*196.32794046*	*18.16513859*	*0.36004983*	*0.33371169*	*0.55995450*	*0.47885822*	
Int SD	*191.21208000*	*1075.91600*	*626.57762000*	*79.87538200*	*51.47571200*	*741.05182000*	
RelInt Mean	-0.00066116	0.00087311	0.15689346	0.01450255	0.00033866	0.13809049	
RelInt RSD	*27.31881281*	*23.02931162*	*0.31703230*	*0.81494722*	*19.14032924*	*0.13865790*	
RelInt SD	*0.00018062*	*0.00020107*	*0.00049740*	*0.00011819*	*0.00006482*	*0.00019147*	
Conc Mean	<-0.00070256[mg/l]	<-0.00178338[mg/l]	1.77563600[mg/l]	0.23925338[mg/l]	0.00057219[mg/l]	4.86934980[mg/l]	
Conc RSD	*69.27069742*	*106.83920790*	*0.31820452*	*0.82402468*	*33.41563670*	*0.13853744*	
Conc SD	*0.00048667[mg/l]*	*0.00190535[mg/l]*	*0.00565015[mg/l]*	*0.00197151[mg/l]*	*0.00019120[mg/l]*	*0.00674587[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467769-003	Client ID	: AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-L-DUP-WF
Seqnum	: 482338973060	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295524	Time	: 23-AUG-2022 13:22
Cal	: 482338973001	Caldate	: 23-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.5803	58	0.50	0.087	!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	970979	1070154	10.21

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467769-003,295524			Sample Type: Unknown Sample
Measure Date: 2022-08-23 13:22:20	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	61476.09800	4735.55400	6751.37540	9522.63840	11775.20000	86237.89700	11739.11200
Int RSD	*0.73031073*	*11.37527267*	*0.26880155*	*0.95137049*	*1.76764140*	*11.78683775*	*0.09130554*
Int SD	*448.96654000*	*538.68218000*	*18.14780200*	*90.59557200*	*208.14331000*	*10164.72100*	*10.71846000*
RelInt Mean	0.00003200	0.00775259	-0.00064852	0.00168898	0.00225579	0.22477741	0.00282338
RelInt RSD	*40.55067683*	*16.22525857*	*2.55471387*	*4.37956722*	*7.96789938*	*12.59175866*	*1.34398465*
RelInt SD	*0.00001298*	*0.00125788*	*0.00001657*	*0.00007397*	*0.00017974*	*0.02830343*	*0.00003795*
Conc Mean	<-0.00042536[mg/l]	0.89485567[mg/l]	<-0.01472701[mg/l]	0.01166441[mg/l]	0.00666277[mg/l]	11.11518000[mg/l]	0.01404113[mg/l]
Conc RSD	*100.53242980*	*19.50358654*	*3.62279977*	*5.64269849*	*8.70372587*	*12.67467104*	*1.37202622*
Conc SD	*0.00042763[mg/l]*	*0.17452895[mg/l]*	*0.00053353[mg/l]*	*0.00065819[mg/l]*	*0.00057991[mg/l]*	*1.40881250[mg/l]*	*0.00019265[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	11894.95300	161965	15826929	2767.12860	5052.88120	656235	6764.07580
Int RSD	*0.50480570*	*1.20692535*	*0.85281642*	*13.87987750*	*9.67240750*	*0.39668516*	*0.56877930*
Int SD	*60.04640100*	*1954.79930*	*134975*	*384.07406000*	*488.73526000*	*2603.18490*	*38.47266300*
RelInt Mean	0.00401650	0.00594010	14.93985400	0.00686755	0.00805884	0.60964528	-0.00013564
RelInt RSD	*0.95630539*	*0.96580050*	*1.21043566*	*12.27905772*	*14.33089095*	*0.11073488*	*16.90899244*
RelInt SD	*0.00003841*	*0.00005737*	*0.18083732*	*0.00084327*	*0.00115490*	*0.00067509*	*0.00002294*
Conc Mean	0.02591038[mg/l]	0.12056131[mg/l]	45.77862100[mg/l]	4.92580700[mg/l]	2.21702020[mg/l]	0.36943035[mg/l]	<-0.00360779[mg/l]
Conc RSD	*0.96356938*	*1.10550773*	*1.21222378*	*15.01180619*	*14.55834863*	*0.11078336*	*4.37271493*
Conc SD	*0.00024966[mg/l]*	*0.00133281[mg/l]*	*0.55493933[mg/l]*	*0.73945260[mg/l]*	*0.32276153[mg/l]*	*0.00040927[mg/l]*	*0.00015776[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	77455.91100	13964.45300	32925.81300	7501.46860	6675.54460	8846.99530	7314.55280
Int RSD	*8.35954870*	*1.00850431*	*0.38077064*	*0.86232211*	*0.09836269*	*0.40550725*	*12.78247797*
Int SD	*6474.96460*	*140.83211000*	*125.37183000*	*64.68682200*	*6.56624550*	*35.87520700*	*934.98110000*
RelInt Mean	0.18281117	0.00432541	0.02170081	0.00024667	0.00000753	-0.00007006	0.01586559
RelInt RSD	*8.60735534*	*2.76388598*	*0.61392202*	*29.49215904*	*438.29526451*	*35.92859700*	*14.64547334*
RelInt SD	*0.01573521*	*0.00011955*	*0.00013323*	*0.00007275*	*0.00003300*	*0.00002517*	*0.00232359*
Conc Mean	6.86797520[mg/l]	0.03017041[mg/l]	0.58033258[mg/l]	0.00561644[mg/l]	<-0.00157544[mg/l]	<-0.00673746[mg/l]	0.01194700[mg/l]
Conc RSD	*9.94237734*	*2.92827713*	*0.60789537*	*44.03940259*	*64.72310408*	*6.22925666*	*14.47396380*
Conc SD	*0.68284001[mg/l]*	*0.00088347[mg/l]*	*0.00352781[mg/l]*	*0.00247345[mg/l]*	*0.00101967[mg/l]*	*0.00041969[mg/l]*	*0.00172920[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	184763	6268.53970	18403.95700	1070154	18492007	384199	365859
Int RSD	*2.68265801*	*0.65848405*	*0.57449738*	*0.35985078*	*0.56158171*	*1.52337641*	*0.12125362*
Int SD	*4956.57150*	*41.27733400*	*105.73025000*	*3850.95610*	*103848*	*5852.79570*	*443.61698000*
RelInt Mean	0.00641407	-0.00095702	0.00019400	---	---	---	0.33921259
RelInt RSD	*3.58295218*	*1.04450425*	*2.23822965*	---	---	---	*0.25429170*
RelInt SD	*0.00022981*	*0.00001000*	*0.00000434*	---	---	---	*0.00086259*
Conc Mean	0.04342834[mg/l]	<-0.05018796[mg/l]	<-0.00121262[mg/l]	1058616	18412446	382662	0.90024604[mg/l]
Conc RSD	*4.31621718*	*1.25201132*	*55.01847480*	---	---	---	*0.25444878*
Conc SD	*0.00187446[mg/l]*	*0.00062836[mg/l]*	*0.00066717[mg/l]*	*3824.59260*	*103641*	*5863.30960*	*0.00229067[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	218.77350000	5762.93460	169407	23223.40900	9103.11880	117320	
Int RSD	*110.38417359*	*18.72192511*	*0.36960927*	*0.75239044*	*0.90600230*	*0.49993819*	
Int SD	*241.49132000*	*1078.93230*	*626.14567000*	*174.73071000*	*82.47446600*	*586.52913000*	
RelInt Mean	-0.00027109	0.00060375	0.15215929	0.01394495	0.00019152	0.10255380	
RelInt RSD	*111.44340171*	*32.05516719*	*0.74763039*	*1.38709107*	*47.65486384*	*0.90412852*	
RelInt SD	*0.00030211*	*0.00019353*	*0.00113759*	*0.00019343*	*0.00009127*	*0.00092722*	
Conc Mean	<0.00034844[mg/l]	<-0.00433577[mg/l]	1.72189760[mg/l]	0.22995200[mg/l]	<0.00012694[mg/l]	3.61735910[mg/l]	
Conc RSD	*233.61962714*	*42.29784941*	*0.75049916*	*1.40315822*	*217.67338717*	*0.90305104*	
Conc SD	*0.00081403[mg/l]*	*0.00183394[mg/l]*	*0.01292283[mg/l]*	*0.00322659[mg/l]*	*0.00027631[mg/l]*	*0.03266660[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467769-005	Client ID	: DOOR-N-0.1GE-EXT-5 TO 6-220822-L-CB
Seqnum	: 482338973061	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295524	Time	: 23-AUG-2022 13:25
Cal	: 482338973001	Caldate	: 23-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.6649	66	0.50	0.087	!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	970979	1067502	9.94

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467769-005,295524				Sample Type: Unknown Sample			
Measure Date: 2022-08-23 13:25:36		Recalculation Date:		State: Measured		Quality:	

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	62044.00900	4683.73440	7685.72330	9652.18260	11267.50700	89050.94700	10684.28200
Int RSD	*0.91433813*	*8.03385542*	*0.76998040*	*0.69982181*	*0.82294950*	*12.13621120*	*0.17346872*
Int SD	*567.29203000*	*376.28445000*	*59.17856300*	*67.54807900*	*92.72589300*	*10807.41100*	*18.53388700*
RelInt Mean	0.00003369	0.00755220	0.00037777	0.00164110	0.00168655	0.23184056	0.00174690
RelInt RSD	*31.58515048*	*9.29439432*	*13.37391783*	*1.23061868*	*3.49007862*	*12.94129422*	*1.04185681*
RelInt SD	*0.00001064*	*0.00070193*	*0.00005052*	*0.00002020*	*0.00005886*	*0.03000317*	*0.00001820*
Conc Mean	<-0.00036942[mg/l]	0.86705189[mg/l]	0.01832921[mg/l]	0.01123844[mg/l]	0.00482315[mg/l]	11.46675100[mg/l]	0.00864291[mg/l]
Conc RSD	*94.94495456*	*11.23255530*	*8.88371154*	*1.59900088*	*3.90769642*	*13.02389753*	*0.94317441*
Conc SD	*0.00035075[mg/l]*	*0.09739208[mg/l]*	*0.00162831[mg/l]*	*0.00017970[mg/l]*	*0.00018847[mg/l]*	*1.49341790[mg/l]*	*0.00008152[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	13024.98000	330934	22607772	2818.35570	4970.65550	432596	6872.55320
Int RSD	*1.45122672*	*1.35964252*	*0.52935796*	*11.45972029*	*8.31203209*	*0.35419320*	*0.53315354*
Int SD	*189.02199000*	*4499.51490*	*119676*	*322.97568000*	*413.16248000*	*1532.22550*	*36.64126100*
RelInt Mean	0.00493714	0.01517679	21.40064700	0.00698465	0.00767641	0.39923315	-0.00008509
RelInt RSD	*2.68430349*	*1.56988458*	*0.81813671*	*10.26770947*	*13.02296958*	*0.18525692*	*75.67841751*
RelInt SD	*0.00013253*	*0.00023826*	*0.17508655*	*0.00071716*	*0.00099970*	*0.00073961*	*0.00006440*
Conc Mean	0.03189456[mg/l]	0.33514872[mg/l]	65.60502100[mg/l]	5.02848890[mg/l]	2.11014420[mg/l]	0.24187055[mg/l]	<-0.00326011[mg/l]
Conc RSD	*2.70086621*	*1.65157280*	*0.81898117*	*12.50616284*	*13.24013686*	*0.18537917*	*13.58693985*
Conc SD	*0.00086143[mg/l]*	*0.00553523[mg/l]*	*0.53729277[mg/l]*	*0.62887101[mg/l]*	*0.27938598[mg/l]*	*0.00044838[mg/l]*	*0.00044295[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	58848.38500	29834.80700	36305.28400	7780.25910	6584.38860	10811.82300	7218.14190
Int RSD	*7.67410660*	*0.38683448*	*0.12720630*	*0.27077047*	*0.59734014*	*0.74639011*	*13.39398883*
Int SD	*4516.08780*	*115.41132000*	*46.18260800*	*21.06664400*	*39.33119600*	*80.69837800*	*966.79712000*
RelInt Mean	0.13414924	0.01929736	0.02487672	0.00055090	-0.00005629	0.00209686	0.01552890
RelInt RSD	*7.23552649*	*1.12516710*	*0.49500718*	*2.68280000*	*21.14596132*	*3.05754965*	*15.37159480*
RelInt SD	*0.00970640*	*0.00021713*	*0.00012314*	*0.00001478*	*0.00001190*	*0.00006411*	*0.00238704*
Conc Mean	4.75625750[mg/l]	0.14081370[mg/l]	0.66488512[mg/l]	0.01592298[mg/l]	<-0.00354750[mg/l]	0.02939373[mg/l]	0.01169644[mg/l]
Conc RSD	*8.85603902*	*1.13950738*	*0.49590647*	*3.18385797*	*10.36833778*	*3.63687157*	*15.18772806*
Conc SD	*0.42121602[mg/l]*	*0.00160458[mg/l]*	*0.00329721[mg/l]*	*0.00050696[mg/l]*	*0.00036782[mg/l]*	*0.00106901[mg/l]*	*0.00177642[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	190840	6220.88970	18562.20800	1067502	18358973	384469	290359
Int RSD	*11.06262144*	*0.26286811*	*1.12336049*	*0.45183499*	*0.28803344*	*1.17339030*	*0.59627357*
Int SD	*21111.87800*	*16.35273500*	*208.52051000*	*4823.34570*	*52879.98100*	*4511.31690*	*1731.33380*
RelInt Mean	0.00678017	-0.00090885	0.00019349	---	---	---	0.26859264
RelInt RSD	*17.18320243*	*5.22741099*	*3.01552287*	---	---	---	*0.15845304*
RelInt SD	*0.00116505*	*0.00004751*	*0.00000583*	---	---	---	*0.00042559*
Conc Mean	0.04641443[mg/l]	<-0.04715885[mg/l]	<-0.00129038[mg/l]	1055832	18279033	382920	0.71271560[mg/l]
Conc RSD	*20.47356721*	*6.36850879*	*69.48592522*	---	---	---	*0.15852656*
Conc SD	*0.00950269[mg/l]*	*0.00300332[mg/l]*	*0.00089663[mg/l]*	*4853.97280*	*52766.66500*	*4525.78980*	*0.00112984[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	152.42959000	5912.20720	153928	22786.46100	9254.68640	121731	
Int RSD	*79.80235334*	*19.31808648*	*1.32474399*	*0.51453453*	*0.13769343*	*0.54773174*	
Int SD	*121.64240000*	*1142.12530*	*2039.15750*	*117.24421000*	*12.74309500*	*666.75900000*	
RelInt Mean	-0.00036143	0.00084356	0.13777951	0.01374813	0.00011974	0.10704433	
RelInt RSD	*99.48575171*	*41.46114841*	*1.58286722*	*1.14309347*	*27.40763777*	*0.11712449*	
RelInt SD	*0.00035957*	*0.00034975*	*0.00218087*	*0.00015715*	*0.00003282*	*0.00012538*	
Conc Mean	<0.00010503[mg/l]	<-0.00206332[mg/l]	1.55857920[mg/l]	0.22666888[mg/l]	<-0.00020944[mg/l]	3.77556480[mg/l]	
Conc RSD	*922.44264301*	*160.62776618*	*1.58903474*	*1.15652630*	*45.02609877*	*0.11699108*	
Conc SD	*0.00096884[mg/l]*	*0.00331426[mg/l]*	*0.02476637[mg/l]*	*0.00262149[mg/l]*	*0.00009430[mg/l]*	*0.00441707[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467769-006	Client ID	: DOOR-N-0.1GE-EXT-5 TO 6-220822-L-DUP-CB
Seqnum	: 482338973062	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295524	Time	: 23-AUG-2022 13:28
Cal	: 482338973001	Caldate	: 23-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.299	130	0.50	0.087	!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	970979	1067281	9.92

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467769-006,295524			Sample Type: Unknown Sample
Measure Date: 2022-08-23 13:28:52	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	61417.23000	4794.71830	7267.41890	9132.24310	11255.96900	91663.52800	9786.03240
Int RSD	*0.14133109*	*12.57019729*	*0.56620365*	*1.02113018*	*0.50858133*	*8.87855822*	*0.45057389*
Int SD	*86.80163800*	*602.70555000*	*41.14839100*	*93.25209000*	*57.24575700*	*8138.39970*	*44.09330700*
RelInt Mean	0.00003763	0.00800782	-0.00025683	0.00140965	0.00185517	0.23744955	0.00105133
RelInt RSD	*25.91371004*	*11.34190434*	*14.71023217*	*3.65676424*	*3.06039269*	*8.65404588*	*3.84254369*
RelInt SD	*0.00000975*	*0.00090824*	*0.00003778*	*0.00005155*	*0.00005678*	*0.02054899*	*0.00004040*
Conc Mean	<-0.00023984[mg/l]	0.93026836[mg/l]	<-0.00210473[mg/l]	0.00917899[mg/l]	0.00537161[mg/l]	11.74594000[mg/l]	0.00515660[mg/l]
Conc RSD	*133.98170125*	*13.54630829*	*57.83427241*	*4.99700425*	*3.43382991*	*8.70796803*	*3.88409299*
Conc SD	*0.00032135[mg/l]*	*0.12601702[mg/l]*	*0.00121726[mg/l]*	*0.00045867[mg/l]*	*0.00018445[mg/l]*	*1.02283270[mg/l]*	*0.00020029[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	11024.29500	208497	12848304	2917.81230	5172.16300	296206	6663.39780
Int RSD	*0.30778370*	*1.09364293*	*0.11652020*	*17.22322920*	*10.33450435*	*1.40235818*	*0.75912666*
Int SD	*33.93098300*	*2280.21260*	*14970.86900*	*502.54150000*	*534.51741000*	*4153.87130*	*50.58362900*
RelInt Mean	0.00329640	0.00850746	12.15758200	0.00716844	0.00837654	0.27044181	-0.00024092
RelInt RSD	*0.92618705*	*2.32767456*	*0.11292066*	*15.38579051*	*9.03789379*	*1.44293972*	*20.63055169*
RelInt SD	*0.00003053*	*0.00019803*	*0.01372842*	*0.00110292*	*0.00075706*	*0.00390231*	*0.00004970*
Conc Mean	0.02122974[mg/l]	0.18020658[mg/l]	37.24059300[mg/l]	5.18965350[mg/l]	2.30580740[mg/l]	0.16379238[mg/l]	<-0.00433192[mg/l]
Conc RSD	*0.93477211*	*2.55293436*	*0.11312484*	*18.63586789*	*9.17581841*	*1.44434479*	*7.89192573*
Conc SD	*0.00019845[mg/l]*	*0.00460056[mg/l]*	*0.04212836[mg/l]*	*0.96713697[mg/l]*	*0.21157670[mg/l]*	*0.00236573[mg/l]*	*0.00034187[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	62962.66700	20056.76800	61398.46200	7471.32970	6656.62730	9895.08160	7504.82120
Int RSD	*7.78089197*	*0.74193634*	*0.43187645*	*0.53332001*	*0.43773789*	*0.65947611*	*13.33351553*
Int SD	*4899.05710*	*148.80845000*	*265.16550000*	*39.84609600*	*29.13858000*	*65.25569900*	*1000.65650*
RelInt Mean	0.14368479	0.01019535	0.04870851	0.00021309	0.00001195	0.00078872	0.01632640
RelInt RSD	*6.72577132*	*1.71665433*	*0.53166032*	*21.46674024*	*394.67346672*	*11.41807801*	*13.11355140*
RelInt SD	*0.00966391*	*0.00017502*	*0.00025896*	*0.00004574*	*0.00004718*	*0.00009006*	*0.00214097*
Conc Mean	5.17005920[mg/l]	0.07354949[mg/l]	1.29930470[mg/l]	0.00450238[mg/l]	<-0.00143865[mg/l]	0.00758183[mg/l]	0.01228993[mg/l]
Conc RSD	*8.11155064*	*1.75854224*	*0.52873006*	*34.55982844*	*101.34950972*	*19.80537880*	*12.96427018*
Conc SD	*0.41937197[mg/l]*	*0.00129340[mg/l]*	*0.00686981[mg/l]*	*0.00155601[mg/l]*	*0.00145806[mg/l]*	*0.00150161[mg/l]*	*0.00159330[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	192977	6303.90250	18328.40900	1067281	18424803	386290	327184
Int RSD	*1.88091391*	*0.14905669*	*0.32273369*	*0.01092886*	*0.93256818*	*0.32363913*	*0.12578427*
Int SD	*3629.73330*	*9.39638840*	*59.15195100*	*116.64160000*	*171824*	*1250.18540*	*411.54648000*
RelInt Mean	0.00689170	-0.00095060	0.00019569	---	---	---	0.30347355
RelInt RSD	*3.50525939*	*0.89362676*	*0.85445470*	---	---	---	*0.13148238*
RelInt SD	*0.00024157*	*0.00000849*	*0.00000167*	---	---	---	*0.00039901*
Conc Mean	0.04732409[mg/l]	<-0.04979123[mg/l]	<-0.00095234[mg/l]	1055872	18345641	384801	0.80534534[mg/l]
Conc RSD	*4.16356981*	*1.08427101*	*26.96503481*	---	---	---	*0.13156767*
Conc SD	*0.00197037[mg/l]*	*0.00053987[mg/l]*	*0.00025680[mg/l]*	*99.12044900*	*171980*	*1027.70400*	*0.00105957[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	123.27508000	6138.77360	166250	24941.53500	9017.82020	121381	
Int RSD	*63.16985558*	*15.00797065*	*1.36175339*	*0.43754244*	*0.33867184*	*0.39909276*	
Int SD	*77.87269000*	*921.30534000*	*2263.90820*	*109.12980000*	*30.54081800*	*484.42174000*	
RelInt Mean	-0.00027766	0.00100951	0.14968330	0.01552041	0.00022519	0.10655761	
RelInt RSD	*43.78468490*	*22.42504257*	*1.38322772*	*0.46419766*	*8.96470522*	*0.42825407*	
RelInt SD	*0.00012157*	*0.00022638*	*0.00207046*	*0.00007205*	*0.00002019*	*0.00045634*	
Conc Mean	<0.00033074[mg/l]	<-0.00049078[mg/l]	1.69379420[mg/l]	0.25623228[mg/l]	0.00018239[mg/l]	3.75841710[mg/l]	
Conc RSD	*99.04056747*	*437.10218622*	*1.38852695*	*0.46902400*	*35.27250764*	*0.42776114*	
Conc SD	*0.00032757[mg/l]*	*0.00214522[mg/l]*	*0.02351879[mg/l]*	*0.00120179[mg/l]*	*0.00006433[mg/l]*	*0.01607705[mg/l]*	

ENTHALPY BLANK USER REPORT FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 Lab ID : QC1008205
Seqnum : 482338973056.1 Matrix : Wipe
File : met06_master Batch : 295524 Time : 23-AUG-2022 13:09
Cal : 482338973001 Caldate : 23-AUG-2022
IDF : 1.0 Raw Units : mg/l Units : ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Flags
Lead	A	0.0008732	ND	0.50	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	970979	1067561	9.95

u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BLANK,QC1008205,295524	Sample Type: Unknown Sample		
Measure Date: 2022-08-23 13:09:18	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	61995.17100	1669.09970	4940.22220	9432.47590	9274.57450	1676.72880	8598.78610
Int RSD	*0.29223447*	*11.62654334*	*0.46743719*	*0.83154796*	*0.71240904*	*14.71880187*	*0.61884180*
Int SD	*181.17126000*	*194.05860000*	*23.09243600*	*78.43556100*	*66.07290700*	*246.79439000*	*53.21288300*
RelInt Mean	0.00003621	0.00075667	-0.00024224	0.00183552	0.00016934	0.00369791	-0.00000443
RelInt RSD	*15.56782658*	*23.40216053*	*18.47765856*	*7.48209386*	*1.57366780*	*16.86861738*	*1359.32797*
RelInt SD	*0.00000564*	*0.00017708*	*0.00004476*	*0.00013733*	*0.00000266*	*0.00062379*	*0.00006017*
Conc Mean	<-0.00028655[mg/l]	<-0.07581921[mg/l]	<-0.00161629[mg/l]	0.01296833[mg/l]	<-0.00008922[mg/l]	0.11087497[mg/l]	<-0.00004585[mg/l]
Conc RSD	*64.83393423*	*32.40506370*	*89.20463896*	*9.42306441*	*10.30981144*	*28.00377218*	*655.27726015*
Conc SD	*0.00018578[mg/l]*	*0.02456926[mg/l]*	*0.00144181[mg/l]*	*0.00122201[mg/l]*	*0.00000920[mg/l]*	*0.03104917[mg/l]*	*0.00030045[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7540.90450	68101.35400	16523.86100	646.45378000	1855.01570	11364.75700	6464.82260
Int RSD	*0.38554237*	*1.41243361*	*1.17486186*	*21.33194890*	*10.19324257*	*0.40342689*	*1.35959854*
Int SD	*29.07338200*	*961.88641000*	*194.13254000*	*137.90119000*	*189.08625000*	*45.84848600*	*87.89563400*
RelInt Mean	0.00009613	0.00087931	0.00567770	0.00128129	-0.00016468	0.00101083	0.00041305
RelInt RSD	*34.93758160*	*7.00167127*	*4.57252838*	*18.62319067*	*59.40451054*	*1.67140283*	*32.64712910*
RelInt SD	*0.00003359*	*0.00006157*	*0.00025961*	*0.00023862*	*0.00009783*	*0.00001690*	*0.00013485*
Conc Mean	<0.00042805[mg/l]	0.00298893[mg/l]	<-0.05026428[mg/l]	<0.02728832[mg/l]	<-0.08121239[mg/l]	0.00045313[mg/l]	<0.00016632[mg/l]
Conc RSD	*50.99985467*	*47.85384500*	*1.58499237*	*766.77449670*	*33.66554167*	*2.26037294*	*557.67849767*
Conc SD	*0.00021831[mg/l]*	*0.00143032[mg/l]*	*0.00079669[mg/l]*	*0.20923984[mg/l]*	*0.02734059[mg/l]*	*0.00001024[mg/l]*	*0.00092755[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	17081.51800	9448.01140	9691.28560	6888.76890	5458.48280	5400.30770	1167.87250
Int RSD	*6.68909754*	*0.94851376*	*0.26422051*	*1.36991160*	*0.44419867*	*3.34829180*	*18.83168582*
Int SD	*1142.59940*	*89.61568800*	*25.60636400*	*94.37004400*	*24.24650800*	*180.81806000*	*219.93008000*
RelInt Mean	0.02468616	0.00033881	-0.00007326	0.00029174	0.00005719	0.00052877	-0.00022942
RelInt RSD	*2.37588412*	*6.14020011*	*60.35645956*	*27.14495152*	*130.63261304*	*36.18339857*	*149.32535173*
RelInt SD	*0.00058651*	*0.00002080*	*0.00004422*	*0.00007919*	*0.00007471*	*0.00019133*	*0.00034259*
Conc Mean	<0.00603219[mg/l]	<0.00070931[mg/l]	<0.00087322[mg/l]	0.00729794[mg/l]	<-0.00004072[mg/l]	<0.00324744[mg/l]	<-0.00003083[mg/l]
Conc RSD	*421.93973964*	*21.67442813*	*135.17529920*	*36.89144798*	*5669.79845*	*98.23756354*	*826.99840569*
Conc SD	*0.02545221[mg/l]*	*0.00015374[mg/l]*	*0.00118038[mg/l]*	*0.00269231[mg/l]*	*0.00230875[mg/l]*	*0.00319021[mg/l]*	*0.00025495[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	79817.45800	4925.54440	17832.36900	1067561	18150078	385193	6891.91250
Int RSD	*4.46515774*	*0.18498463*	*1.22949890*	*0.21430330*	*1.19658125*	*0.45987471*	*1.02709276*
Int SD	*3563.97540*	*9.11150000*	*219.24878000*	*2287.81910*	*217180*	*1771.40520*	*70.78633400*
RelInt Mean	0.00069645	-0.00044915	0.00018372	---	---	---	0.00062690
RelInt RSD	*29.84246049*	*7.35260272*	*4.20484654*	---	---	---	*2.20088307*
RelInt SD	*0.00020784*	*0.00003302*	*0.00000773*	---	---	---	*0.00001380*
Conc Mean	<-0.00320718[mg/l]	<-0.01805706[mg/l]	<-0.00279306[mg/l]	1056208	18070817	383707	0.00116316[mg/l]
Conc RSD	*52.85727230*	*11.51527500*	*42.48297098*	---	---	---	*3.15459481*
Conc SD	*0.00169523[mg/l]*	*0.00207932[mg/l]*	*0.00118657[mg/l]*	*2233.51770*	*217100*	*1629.80650*	*0.00003669[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	121.94728000	6067.80150	11166.06600	6123.62560	8922.92810	7620.06310	
Int RSD	*33.24385423*	*16.38587864*	*0.33100247*	*0.66191888*	*0.35267515*	*0.59895159*	
Int SD	*40.53997600*	*994.26259000*	*36.95995400*	*40.53343400*	*31.46895000*	*45.64048900*	
RelInt Mean	-0.00039149	0.00083918	0.00296444	0.00034006	0.00035025	0.00047388	
RelInt RSD	*8.72374298*	*30.51272447*	*1.41767740*	*14.47561819*	*12.24991777*	*14.32357068*	
RelInt SD	*0.00003415*	*0.00025606*	*0.00004203*	*0.00004923*	*0.00004290*	*0.00006788*	
Conc Mean	<0.00002405[mg/l]	<-0.00210491[mg/l]	0.02741289[mg/l]	<0.00300877[mg/l]	0.00055713[mg/l]	0.02098924[mg/l]	
Conc RSD	*382.67185097*	*115.27314534*	*1.66680913*	*27.29175362*	*22.27325089*	*11.39329613*	
Conc SD	*0.00009202[mg/l]*	*0.00242639[mg/l]*	*0.00045692[mg/l]*	*0.00082115[mg/l]*	*0.00012409[mg/l]*	*0.00239137[mg/l]*	

ENTHALPY SPIKE USER REPORT FOR 467769 METALS Wipe
EPA 6010B

Type : BS
Inst : MET06
Seqnum : 482338973057.1
File : met06_master
IDF : 1.0
Lab ID : QC1008206
Matrix : Wipe
Batch : 295524
Time : 23-AUG-2022 13:12
Cal : 482338973001
Units : ug/ft2

Type : BSD
Inst : MET06
Seqnum : 482338973058.1
File : met06_master
IDF : 1.0
Lab ID : QC1008207
Matrix : Wipe
Batch : 295524
Time : 23-AUG-2022 13:15
Cal : 482338973001

BS: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF
BSD: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Lead	100.0	1.046	104.6	A	105	1.026	102.6	A	103	80-120	2	20	!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	970979	1072343	10.44

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	970979	1065993	9.79

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BS,QC1008206,295524			Sample Type: Unknown Sample
Measure Date: 2022-08-23 13:12:34	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	351944	4812.91890	36977.46700	117066	343362	9885.88090	226269
Int RSD	*1.10514050*	*6.82591971*	*0.52072125*	*0.47044239*	*0.41939443*	*9.99101618*	*0.42654753*
Int SD	*3889.47390*	*328.52598000*	*192.54953000*	*550.72578000*	*1440.03980*	*987.69996000*	*965.14342000*
RelInt Mean	0.01582898	0.00862079	0.02985001	0.10310361	0.31482061	0.02573342	0.20480951
RelInt RSD	*1.58597397*	*9.57808246*	*0.50252241*	*0.47480589*	*0.25286495*	*11.75900172*	*0.54794223*
RelInt SD	*0.00025104*	*0.00082571*	*0.00015000*	*0.00048954*	*0.00079607*	*0.00302599*	*0.00112224*
Conc Mean	0.52020400[mg/l]	1.01531720[mg/l]	0.96687756[mg/l]	0.91405723[mg/l]	1.01231470[mg/l]	1.20769970[mg/l]	1.02426080[mg/l]
Conc RSD	*1.59048716*	*11.28373379*	*0.49997143*	*0.47655371*	*0.25484529*	*12.47162602*	*0.55309647*
Conc SD	*0.00827378[mg/l]*	*0.11456569[mg/l]*	*0.00483411[mg/l]*	*0.00435597[mg/l]*	*0.00257984[mg/l]*	*0.15061979[mg/l]*	*0.00566515[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	176243	845283	381639	4975.08030	3520.60650	1806973	164727
Int RSD	*0.66742484*	*1.24460500*	*0.55705362*	*9.66318513*	*7.12908443*	*0.23035019*	*0.73874974*
Int SD	*1176.29050*	*10520.43000*	*2125.93280*	*480.75122000*	*250.98701000*	*4162.36520*	*1216.92050*
RelInt Mean	0.15878966	0.04336522	0.34958308	0.01270769	0.00375789	1.69320620	0.14939991
RelInt RSD	*0.20287031*	*1.61350673*	*0.14248256*	*10.15780134*	*15.80721523*	*0.50152772*	*0.23818518*
RelInt SD	*0.00032214*	*0.00069970*	*0.00049809*	*0.00129082*	*0.00059402*	*0.00849190*	*0.00035585*
Conc Mean	1.03193410[mg/l]	0.99002402[mg/l]	1.00508690[mg/l]	10.04694800[mg/l]	1.01503210[mg/l]	1.02632590[mg/l]	1.02495840[mg/l]
Conc RSD	*0.20291088*	*1.64192774*	*0.15208005*	*11.26615466*	*16.35520295*	*0.50160621*	*0.23880576*
Conc SD	*0.00209391[mg/l]*	*0.01625548[mg/l]*	*0.00152854[mg/l]*	*1.13190470[mg/l]*	*0.16601056[mg/l]*	*0.00514811[mg/l]*	*0.00244766[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	27179.14000	159700	51623.71200	35228.69400	32323.52000	5082.57120	509561
Int RSD	*5.11831905*	*0.52047103*	*0.12429883*	*1.20535550*	*0.34513682*	*0.28846577*	*0.39457582*
Int SD	*1391.11510*	*831.19031000*	*64.16767200*	*424.63100000*	*111.56037000*	*14.66147800*	*2010.60470*
RelInt Mean	0.05146337	0.14164150	0.03919466	0.02683633	0.02527717	0.00009224	1.35151510
RelInt RSD	*2.77055209*	*0.20283821*	*0.73651320*	*0.93565876*	*0.21440392*	*38.84304331*	*0.20668502*
RelInt SD	*0.00142582*	*0.00028730*	*0.00028867*	*0.00025110*	*0.00005420*	*0.00003583*	*0.00279338*
Conc Mean	1.16804740[mg/l]	1.04494130[mg/l]	1.04601710[mg/l]	0.90357933[mg/l]	0.77934910[mg/l]	<-0.00403124[mg/l]	1.00593080[mg/l]
Conc RSD	*5.29725309*	*0.20318683*	*0.73652119*	*0.94488526*	*0.21490146*	*14.82030039*	*0.20665510*
Conc SD	*0.06187443[mg/l]*	*0.00212318[mg/l]*	*0.00770414[mg/l]*	*0.00853779[mg/l]*	*0.00167483[mg/l]*	*0.00059744[mg/l]*	*0.00207881[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2415680	21799.87200	141597	1072343	18284583	377525	422869
Int RSD	*2.03115284*	*0.19841257*	*1.67615857*	*0.58153362*	*0.50069171*	*0.59123515*	*0.25590508*
Int SD	*49066.15500*	*43.25368700*	*2373.39780*	*6236.03390*	*91549.39200*	*2232.06080*	*1082.14330*
RelInt Mean	0.12872105	0.01527137	0.00693616	---	---	---	0.39246390
RelInt RSD	*2.40563334*	*0.25938602*	*2.13256494*	---	---	---	*0.34028605*
RelInt SD	*0.00309656*	*0.00003961*	*0.00014792*	---	---	---	*0.00133550*
Conc Mean	1.04102020[mg/l]	0.96781975[mg/l]	1.03424820[mg/l]	1060813	18203956	375910	1.04114400[mg/l]
Conc RSD	*2.42617165*	*0.26203466*	*2.19732082*	---	---	---	*0.34064186*
Conc SD	*0.02525694[mg/l]*	*0.00253602[mg/l]*	*0.02272575[mg/l]*	*6210.56330*	*92060.97300*	*2226.52740*	*0.00354657[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	129999	43339.00500	389744	6633.84380	354856	7850.78990	
Int RSD	*0.98997137*	*9.06328837*	*0.57832639*	*0.93318599*	*0.52730659*	*0.67913924*	
Int SD	*1286.95070*	*3927.93900*	*2253.99100*	*61.90610100*	*1871.17850*	*53.31779500*	
RelInt Mean	0.34473979	0.09913068	0.35942277	0.00071057	0.32592236	0.00060001	
RelInt RSD	*1.34790594*	*8.61819994*	*0.03923366*	*5.36217002*	*0.05689883*	*5.97476952*	
RelInt SD	*0.00464677*	*0.00854328*	*0.00014101*	*0.00003810*	*0.00018545*	*0.00003585*	
Conc Mean	0.92995580[mg/l]	0.92930905[mg/l]	4.05263130[mg/l]	0.00918919[mg/l]	0.97728529[mg/l]	0.02543288[mg/l]	
Conc RSD	*1.34634345*	*8.71146805*	*0.03864655*	*6.91660560*	*0.05724862*	*4.96602901*	
Conc SD	*0.01252040[mg/l]*	*0.08095646[mg/l]*	*0.00156620[mg/l]*	*0.00063558[mg/l]*	*0.00055948[mg/l]*	*0.00126300[mg/l]*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BSD,QC1008207,295524			Sample Type: Unknown Sample
Measure Date: 2022-08-23 13:15:50	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	344874	4794.15180	36123.59800	114677	334992	9590.03890	220499
Int RSD	*1.44686080*	*8.62945099*	*0.48071604*	*0.31366276*	*0.39762347*	*10.75352051*	*0.67010207*
Int SD	*4989.85150*	*413.70898000*	*173.65193000*	*359.69908000*	*1332.00720*	*1031.26680*	*1477.57010*
RelInt Mean	0.01560095	0.00851546	0.02920868	0.10146316	0.30876076	0.02480153	0.20055187
RelInt RSD	*1.75820660*	*10.81177416*	*0.81698000*	*0.18879702*	*0.22138531*	*12.31742456*	*0.44166584*
RelInt SD	*0.00027430*	*0.00092067*	*0.00023863*	*0.00019156*	*0.00068355*	*0.00305491*	*0.00088577*
Conc Mean	0.51268851[mg/l]	1.00070280[mg/l]	0.94623978[mg/l]	0.89946042[mg/l]	0.99282519[mg/l]	1.16131440[mg/l]	1.00295270[mg/l]
Conc RSD	*1.76328348*	*12.76523859*	*0.81224072*	*0.18950457*	*0.22229378*	*13.09370830*	*0.43986304*
Conc SD	*0.00904015[mg/l]*	*0.12774210[mg/l]*	*0.00768574[mg/l]*	*0.00170452[mg/l]*	*0.00220699[mg/l]*	*0.15205912[mg/l]*	*0.00441162[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	171233	825366	369515	4806.36540	3549.17060	1762775	160418
Int RSD	*0.40418810*	*1.63704726*	*0.25084884*	*13.21454815*	*7.07474360*	*0.41109796*	*0.26914174*
Int SD	*692.10172000*	*13511.62900*	*926.92287000*	*635.13947000*	*251.09472000*	*7246.73080*	*431.75126000*
RelInt Mean	0.15490673	0.04273730	0.34016150	0.01240787	0.00379316	1.66147540	0.14620035
RelInt RSD	*0.29761683*	*1.88758710*	*0.21259083*	*13.11949115*	*12.32234792*	*0.23455086*	*0.03664200*
RelInt SD	*0.00046103*	*0.00080670*	*0.00072315*	*0.00162785*	*0.00046741*	*0.00389700*	*0.00005357*
Conc Mean	1.00669510[mg/l]	0.97543616[mg/l]	0.97617467[mg/l]	9.78404540[mg/l]	1.02488830[mg/l]	1.00708950[mg/l]	1.00295060[mg/l]
Conc RSD	*0.29767560*	*1.92133486*	*0.22733251*	*14.58946623*	*12.74541918*	*0.23458924*	*0.03674263*
Conc SD	*0.00299669[mg/l]*	*0.01874140[mg/l]*	*0.00221916[mg/l]*	*1.42744000[mg/l]*	*0.13062631[mg/l]*	*0.00236252[mg/l]*	*0.00036851[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	27393.67500	155525	50603.18400	35335.97800	31669.15400	5081.07330	498009
Int RSD	*7.01499634*	*0.34146737*	*0.28797660*	*0.14699322*	*0.16836790*	*0.39349114*	*0.20953658*
Int SD	*1921.66530*	*531.06833000*	*145.72533000*	*51.94149100*	*53.32068900*	*19.99357300*	*1043.51020*
RelInt Mean	0.05238256	0.13853065	0.03845204	0.02708266	0.02480697	0.00011654	1.32523460
RelInt RSD	*5.23365982*	*0.21904336*	*0.25434313*	*0.55960945*	*0.33058855*	*12.65281402*	*0.44979450*
RelInt SD	*0.00274153*	*0.00030344*	*0.00009780*	*0.00015156*	*0.00008201*	*0.00001475*	*0.00596083*
Conc Mean	1.20793630[mg/l]	1.02195200[mg/l]	1.02625050[mg/l]	0.91210083[mg/l]	0.76481830[mg/l]	<-0.00362621[mg/l]	0.98637295[mg/l]
Conc RSD	*9.84906075*	*0.21942901*	*0.25289372*	*0.56512552*	*0.33136932*	*6.78004627*	*0.44973252*
Conc SD	*0.11897038[mg/l]*	*0.00224246[mg/l]*	*0.00259532[mg/l]*	*0.00515451[mg/l]*	*0.00253437[mg/l]*	*0.00024586[mg/l]*	*0.00443604[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2361542	21357.87600	138385	1065993	18086039	376388	410505
Int RSD	*1.61611960*	*0.46250599*	*1.70221444*	*0.29415384*	*0.58519010*	*0.61264801*	*0.42782281*
Int SD	*38165.34800*	*98.78145500*	*2355.61660*	*3135.65930*	*105838*	*2305.93140*	*1756.23570*
RelInt Mean	0.12712923	0.01497343	0.00683999	---	---	---	0.38310976
RelInt RSD	*1.72777472*	*0.56167309*	*1.96162269*	---	---	---	*0.18450341*
RelInt SD	*0.00219651*	*0.00008410*	*0.00013417*	---	---	---	*0.00070685*
Conc Mean	1.02803660[mg/l]	0.94912491[mg/l]	1.01948070[mg/l]	1054445	18005318	374709	1.01631740[mg/l]
Conc RSD	*1.74271052*	*0.55827599*	*2.02208036*	---	---	---	*0.18456630*
Conc SD	*0.01791570[mg/l]*	*0.00529874[mg/l]*	*0.02061472[mg/l]*	*3088.86610*	*106040*	*2369.52050*	*0.00187578[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	126607	42995.95700	380399	6476.68390	344618	7605.34040	
Int RSD	*0.55532729*	*10.14314206*	*0.35760114*	*0.28326077*	*0.43061120*	*0.30521236*	
Int SD	*703.08072000*	*4361.14100*	*1360.31070*	*18.34590500*	*1483.96560*	*23.21243900*	
RelInt Mean	0.33674423	0.09864522	0.35270836	0.00057974	0.31815023	0.00037544	
RelInt RSD	*1.20068106*	*9.67963028*	*0.11005794*	*3.07211427*	*0.28193587*	*8.59564398*	
RelInt SD	*0.00404322*	*0.00954849*	*0.00038818*	*0.00001781*	*0.00089698*	*0.00003227*	
Conc Mean	0.90841231[mg/l]	0.92470876[mg/l]	3.97687130[mg/l]	0.00700676[mg/l]	0.95395958[mg/l]	0.01752118[mg/l]	
Conc RSD	*1.19925555*	*9.78490449*	*0.11103705*	*4.24007773*	*0.28182285*	*6.48910761*	
Conc SD	*0.01089419[mg/l]*	*0.09048187[mg/l]*	*0.00441580[mg/l]*	*0.00029709[mg/l]*	*0.00268848[mg/l]*	*0.00113697[mg/l]*	

ENTHALPY INITIAL CALIBRATION FOR 467769 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482338973001	Date:	23-AUG-2022 09:33
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482338973002	L1	23-AUG-2022 09:37	S17110, S13369 (100X)
L2	met06_master	482338973003	L2	23-AUG-2022 09:40	S17109, S13369 (100X)
L3	met06_master	482338973004	L3	23-AUG-2022 09:43	S17108, S13369 (100X)
L4	met06_master	482338973005	L4	23-AUG-2022 09:46	S17107, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0223	0.0396	0.0393	0.0375	WB1K	0.00283	26.6219		0.0347	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	**44**	0.1000	8	1.0000	5	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06
Calnum : 482338973001 Cal Date : 23-AUG-2022

ICV 482338973010 (23-AUG-2022) stds: S17024, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	1.041	mg/l	4	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICALBLK,CALBLANK			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:33:48	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	55161.56300	1638.25140	4515.37790	6938.65240	8203.59820	754.60694000	7614.11590
Int RSD	*0.87933950*	*15.81390500*	*0.72139063*	*0.22637958*	*0.94362068*	*15.81373609*	*0.37615993*
Int SD	*485.05741000*	*259.07152000*	*32.57351300*	*15.70769200*	*77.41084900*	*119.33155000*	*28.64125300*
RelInt Mean	0.00004490	0.00130310	-0.00019407	0.00037848	0.00018738	0.00146644	0.00000544
RelInt RSD	*24.33613782*	*22.72425977*	*9.60422905*	*15.81001255*	*20.89897445*	*26.33732007*	*443.81252046*
RelInt SD	*0.00001093*	*0.00029612*	*0.00001864*	*0.00005984*	*0.00003916*	*0.00038622*	*0.00002416*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6511.37000	59616.07400	30468.65500	586.17855000	1751.95740	9198.46710	5613.12840
Int RSD	*0.53368838*	*0.31431697*	*38.81505436*	*36.65035850*	*16.45473800*	*0.22013166*	*2.58216256*
Int SD	*34.75042500*	*187.38344000*	*11826.42500*	*214.83654000*	*288.28000000*	*20.24873800*	*144.94010000*
RelInt Mean	0.00002399	0.00075322	0.02206041	0.00125017	0.00012440	0.00017194	0.00038854
RelInt RSD	*32.31736313*	*2.03864862*	*56.33329488*	*35.42576468*	*141.78761901*	*21.29526761*	*45.95071252*
RelInt SD	*0.00000775*	*0.00001536*	*0.01242735*	*0.00044288*	*0.00017638*	*0.00003662*	*0.00017854*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	16132.24100	8347.79550	8429.68490	5893.08330	4729.51110	4702.28700	979.89382000
Int RSD	*6.60321030*	*0.80648731*	*0.25671387*	*0.29191586*	*1.48632540*	*1.86560905*	*17.89274169*
Int SD	*1065.24580*	*67.32391100*	*21.64017000*	*17.20284500*	*70.29592500*	*87.72629200*	*175.32987000*
RelInt Mean	0.02452178	0.00023845	-0.00010827	0.00007568	0.00005858	0.00033367	-0.00020615
RelInt RSD	*1.79742324*	*15.00242105*	*40.96287790*	*28.82524286*	*138.09401652*	*36.58643101*	*112.26970072*
RelInt SD	*0.00044076*	*0.00003577*	*0.00004435*	*0.00002181*	*0.00008089*	*0.00012208*	*0.00023144*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	78254.12500	4353.51900	16364.46300	970979	17553115	370837	5645.52260
Int RSD	*6.41975423*	*0.49484778*	*0.57455798*	*0.32531652*	*0.42123699*	*1.17838941*	*0.48942644*
Int SD	*5023.72250*	*21.54329200*	*94.02332800*	*3158.75630*	*73940.21400*	*4369.90840*	*27.63068000*
RelInt Mean	0.00108985	-0.00016276	0.00020187	---	---	---	0.00018701
RelInt RSD	*29.44119497*	*4.34586868*	*1.19803299*	---	---	---	*7.24237875*
RelInt SD	*0.00032087*	*0.00000707*	*0.00000242*	---	---	---	*0.00001354*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	76.62965400	5749.78810	7545.70660	5638.41100	7759.15410	6733.78040	
Int RSD	*62.03175340*	*14.52324373*	*0.27990432*	*1.77052031*	*0.09705890*	*0.56121769*	
Int SD	*47.53471800*	*835.05574000*	*21.12075900*	*99.82921200*	*7.53094960*	*37.79116700*	
RelInt Mean	-0.00040040	0.00106130	0.00055036	0.00015969	0.00016505	-0.00012188	
RelInt RSD	*26.66102536*	*22.52885669*	*9.17801133*	*75.49118676*	*11.38218127*	*24.42712619*	
RelInt SD	*0.00010675*	*0.00023910*	*0.00005051*	*0.00012055*	*0.00001879*	*0.00002977*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L1,S17110			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:37:05	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	57486.22900	1820.52760	4751.33520	7507.88350	9461.50340	1501.34880	8117.48560
Int RSD	*0.28892215*	*9.58244028*	*0.09889886*	*0.35025547*	*0.52907189*	*11.93799136*	*0.21726210*
Int SD	*166.09045000*	*174.45097000*	*4.69901630*	*26.29677300*	*50.05815500*	*179.23089000*	*17.63622000*
RelInt Mean	0.00004285	0.00159577	0.00000021	0.00076799	0.00129886	0.00334087	0.00033674
RelInt RSD	*45.57108644*	*32.87283702*	*8554.48267*	*4.74518679*	*0.74279046*	*8.13343207*	*2.34920218*
RelInt SD	*0.00001953*	*0.00052457*	*0.00001801*	*0.00003644*	*0.00000965*	*0.00027173*	*0.00000791*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7295.79450	63758.22900	20278.78600	854.05747000	2023.46340	15672.60600	5968.47360
Int RSD	*0.38456906*	*0.16721010*	*18.11858609*	*19.26330906*	*3.65179958*	*0.60055161*	*1.05543193*
Int SD	*28.05736800*	*106.61020000*	*3674.22930*	*164.51973000*	*73.89282800*	*94.12208800*	*62.99317600*
RelInt Mean	0.00065808	0.00085993	0.01090748	0.00182788	0.00044471	0.00645435	0.00065721
RelInt RSD	*2.13865434*	*0.64302149*	*34.88192052*	*19.40354539*	*45.51424459*	*1.15728249*	*10.23534579*
RelInt SD	*0.00001407*	*0.00000553*	*0.00380474*	*0.00035467*	*0.00020241*	*0.00007470*	*0.00006727*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	21034.67000	8971.58070	8764.14020	6239.82810	5098.05220	4757.47570	9309.33930
Int RSD	*9.09035939*	*0.65823049*	*0.64189011*	*0.84920572*	*0.81081043*	*0.37417484*	*11.70922194*
Int SD	*1912.12710*	*59.05368000*	*56.25614900*	*52.98897700*	*41.33553900*	*17.80127700*	*1090.05120*
RelInt Mean	0.03744732	0.00066023	0.00007443	0.00030670	0.00034867	0.00030783	0.02196518
RelInt RSD	*6.84824897*	*2.84759271*	*32.28236501*	*10.37447065*	*10.41482274*	*1.92499511*	*13.98588284*
RelInt SD	*0.00256449*	*0.00001880*	*0.00002403*	*0.00003182*	*0.00003631*	*0.00000593*	*0.00307202*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	75510.78600	4526.02900	17054.97900	994585	17763203	372492	10433.02100
Int RSD	*1.63110963*	*0.40258361*	*0.27377025*	*0.31287333*	*0.19692440*	*0.77476044*	*0.40869433*
Int SD	*1231.66370*	*18.22105100*	*46.69145800*	*3111.79120*	*34980.08100*	*2885.92120*	*42.63916500*
RelInt Mean	0.00078498	0.00001850	0.00020377	---	---	---	0.00490641
RelInt RSD	*9.48448773*	*25.85939455*	*4.96911806*	---	---	---	*1.10472757*
RelInt SD	*0.00007445*	*0.00000478*	*0.00001013*	---	---	---	*0.00005420*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	289.10775000	5832.02400	16832.51000	66382.00200	8503.40820	36256.42400	
Int RSD	*54.82242520*	*17.12901627*	*0.34454531*	*0.47716411*	*0.48481849*	*0.50993697*	
Int SD	*158.49588000*	*998.96834000*	*57.99562400*	*316.75109000*	*41.22609500*	*184.88491000*	
RelInt Mean	-0.00008103	0.00114088	0.00979514	0.06167094	0.00074995	0.02969549	
RelInt RSD	*225.12291507*	*21.16809657*	*0.79722008*	*0.66766392*	*4.14515659*	*0.86129138*	
RelInt SD	*0.00018242*	*0.00024150*	*0.00007809*	*0.00041175*	*0.00003109*	*0.00025576*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L2,S17109			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:40:22	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	58279.85000	2317.48140	7988.05510	18619.67200	40828.18500	762.38100000	18083.87600
Int RSD	*0.13212276*	*5.71837254*	*0.25113450*	*0.70090402*	*0.38303760*	*32.98313704*	*0.33765899*
Int SD	*77.00094900*	*132.52222000*	*20.06076200*	*130.50603000*	*156.38730000*	*251.45717000*	*61.06183300*
RelInt Mean	0.00003557	0.00281675	0.00320280	0.01193017	0.03299829	0.00137033	0.01031410
RelInt RSD	*48.07335676*	*3.69049439*	*0.54905150*	*0.99715277*	*0.49116883*	*23.71769838*	*0.58125022*
RelInt SD	*0.00001710*	*0.00010395*	*0.00001759*	*0.00011896*	*0.00016208*	*0.00032501*	*0.00005995*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	23464.01700	131443	83915.82600	722.48825000	1858.87360	182892	20417.77700
Int RSD	*0.88455741*	*0.88375377*	*3.19381495*	*21.39851963*	*15.60262408*	*0.19485686*	*0.76791577*
Int SD	*207.55270000*	*1161.63530*	*2680.11620*	*154.60179000*	*290.03306000*	*356.37701000*	*156.79133000*
RelInt Mean	0.01690552	0.00463197	0.07534656	0.00148838	0.00011399	0.17597473	0.01522575
RelInt RSD	*1.21006017*	*1.07330173*	*3.63381248*	*19.78073607*	*363.36718533*	*0.22277643*	*1.09890895*
RelInt SD	*0.00020457*	*0.00004972*	*0.00273795*	*0.00029441*	*0.00041420*	*0.00039203*	*0.00016732*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	17263.12600	22778.50300	12757.16200	14785.75000	14373.64000	10741.99300	256230
Int RSD	*9.03930667*	*0.49884859*	*0.96332672*	*0.40823447*	*1.04009193*	*0.48383321*	*0.28989965*
Int SD	*1560.46690*	*113.63024000*	*122.89315000*	*60.36052800*	*149.49907000*	*51.97333000*	*742.81059000*
RelInt Mean	0.02707453	0.01454299	0.00395856	0.00887344	0.00968776	0.00631993	0.69077238
RelInt RSD	*6.63441655*	*0.85640889*	*3.46720596*	*0.91133679*	*1.45497226*	*0.84584690*	*0.36173786*
RelInt SD	*0.00179624*	*0.00012455*	*0.00013725*	*0.00008087*	*0.00014095*	*0.00005346*	*0.00249879*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	289006	8961.19580	23141.69600	995231	17767945	370554	119156
Int RSD	*0.78544164*	*1.84856222*	*0.13289501*	*0.01125021*	*0.42289566*	*0.20700451*	*0.16356414*
Int SD	*2269.97120*	*165.65328000*	*30.75415900*	*111.96559000*	*75139.86900*	*767.06270000*	*194.89699000*
RelInt Mean	0.01278040	0.00445912	0.00053610	---	---	---	0.11515510
RelInt RSD	*0.68509424*	*3.78573346*	*0.43023178*	---	---	---	*0.18857811*
RelInt SD	*0.00008756*	*0.00016881*	*0.00000231*	---	---	---	*0.00021716*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6481.09320	9932.93350	8202.93710	5787.70150	25365.75700	6899.30020	
Int RSD	*5.11518581*	*8.29750073*	*0.41564488*	*1.68409674*	*0.53413553*	*0.70010131*	
Int SD	*331.51996000*	*824.18523000*	*34.09508800*	*97.47049200*	*135.48752000*	*48.30209100*	
RelInt Mean	0.01656634	0.01210506	0.00090637	0.00014224	0.01769955	-0.00017396	
RelInt RSD	*4.61541719*	*4.65536751*	*0.62599980*	*67.22163074*	*0.65478248*	*38.37785283*	
RelInt SD	*0.00076461*	*0.00056354*	*0.00000567*	*0.00009562*	*0.00011589*	*0.00006676*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L3,S17108			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:43:39	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	58777.09700	7030.74420	36948.41700	118179	324518	747.60644000	107288
Int RSD	*0.43788410*	*14.72874948*	*0.28392434*	*0.45579431*	*0.25634552*	*21.41043087*	*1.50776918*
Int SD	*257.37556000*	*1035.54070*	*104.90555000*	*538.65539000*	*831.88762000*	*160.06576000*	*1617.65570*
RelInt Mean	0.00004339	0.01566298	0.03223881	0.11197011	0.31829348	0.00147783	0.09987100
RelInt RSD	*42.79243462*	*14.92816024*	*0.13464844*	*0.28606692*	*0.06868201*	*31.41325972*	*1.83103148*
RelInt SD	*0.00001857*	*0.00233820*	*0.00004341*	*0.00032031*	*0.00021861*	*0.00046424*	*0.00182867*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	165229	784941	688423	619.02758000	1777.18370	1737320	150380
Int RSD	*0.28012539*	*1.49403275*	*0.22351880*	*29.57714744*	*12.08848022*	*0.45880256*	*0.44570132*
Int SD	*462.84734000*	*11727.27800*	*1538.75510*	*183.09070000*	*214.83450000*	*7970.86680*	*670.24574000*
RelInt Mean	0.15924047	0.04142748	0.68337584	0.00136607	-0.00014350	1.74011120	0.14581098
RelInt RSD	*0.38563463*	*1.45788139*	*0.00502232*	*28.32268768*	*39.95712763*	*0.41882013*	*0.57560161*
RelInt SD	*0.00061409*	*0.00060396*	*0.00003432*	*0.00038691*	*0.00005734*	*0.00728794*	*0.00083929*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	17427.48800	147304	48062.88800	95352.44900	101399	64923.25800	2464779
Int RSD	*10.10881316*	*0.33117460*	*0.21844255*	*0.26606039*	*0.23413827*	*0.44708842*	*0.48449360*
Int SD	*1761.71220*	*487.83429000*	*104.98980000*	*253.69510000*	*237.41436000*	*290.26437000*	*11941.69400*
RelInt Mean	0.02756128	0.13959175	0.03925493	0.08980911	0.09714215	0.06069684	6.71651590
RelInt RSD	*5.10917289*	*0.31818751*	*0.04016638*	*0.33674223*	*0.34218612*	*0.38661419*	*0.39913468*
RelInt SD	*0.00140815*	*0.00044416*	*0.00001577*	*0.00030243*	*0.00033241*	*0.00023466*	*0.02680794*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2264368	52059.83800	75563.40100	1002896	17783625	368128	1127586
Int RSD	*2.05504000*	*0.66778335*	*1.48040544*	*0.21613059*	*0.50831273*	*0.13582746*	*0.50004068*
Int SD	*46533.66400*	*347.64693000*	*1118.64470*	*2167.56570*	*90396.42900*	*500.01853000*	*5638.38920*
RelInt Mean	0.12410585	0.04767007	0.00348315	---	---	---	1.12974020
RelInt RSD	*1.99849217*	*0.95419751*	*1.27786476*	---	---	---	*0.45263245*
RelInt SD	*0.00248025*	*0.00045487*	*0.00004451*	---	---	---	*0.00511357*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	66003.72000	44616.68200	9635.16980	6206.89140	174576	7325.18640	
Int RSD	*10.74648293*	*10.97638188*	*0.40457325*	*0.63298788*	*0.36839058*	*0.89815196*	
Int SD	*7093.07850*	*4897.29740*	*38.98132000*	*39.28887000*	*643.11981000*	*65.79130500*	
RelInt Mean	0.17917544	0.10609167	0.00217558	0.00040863	0.16756252	0.00013017	
RelInt RSD	*10.88830143*	*9.45387513*	*3.51169381*	*7.96332944*	*0.19597356*	*45.58115472*	
RelInt SD	*0.01950916*	*0.01002977*	*0.00007640*	*0.00003254*	*0.00032838*	*0.00005933*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L4,S17107			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:46:55	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	65994.01800	53541.78100	309542	1109440	3043357	883.44531000	987525
Int RSD	*6.86553242*	*8.54322739*	*0.36629349*	*0.47243319*	*0.45411286*	*14.69074526*	*0.11299859*
Int SD	*4530.84070*	*4574.19610*	*1133.83190*	*5241.36140*	*13820.27500*	*129.78470000*	*1115.88950*
RelInt Mean	0.00014314	0.14545323	0.31007808	1.12429480	3.09578700	0.00184537	0.99801772
RelInt RSD	*190.50441159*	*9.18182979*	*0.40868606*	*0.55816586*	*0.55816059*	*13.35015093*	*0.11050480*
RelInt SD	*0.00027269*	*0.01335527*	*0.00126725*	*0.00627543*	*0.01727946*	*0.00024636*	*0.00110286*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	1516332	7553943	6418624	724.35864000	2030.51380	16166817	1431961
Int RSD	*0.39710825*	*1.95362467*	*0.41159167*	*20.55314616*	*2.17486096*	*0.27050293*	*0.60816455*
Int SD	*6021.47910*	*147576*	*26418.52200*	*148.87849000*	*44.16085200*	*43731.71300*	*8708.67790*
RelInt Mean	1.53792300	0.43141772	6.53854580	0.00151042	0.00017955	16.48579200	1.45420710
RelInt RSD	*0.47539822*	*2.20043057*	*0.46813428*	*16.58325169*	*68.75361280*	*0.07639998*	*0.61015159*
RelInt SD	*0.00731126*	*0.00949305*	*0.03060917*	*0.00025048*	*0.00012345*	*0.01259514*	*0.00887287*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	16533.33400	1336037	378296	872864	5741.30510	593387	21961262
Int RSD	*9.44399115*	*0.15281434*	*0.17117399*	*0.06684667*	*1.15885644*	*0.23921429*	*1.40216409*
Int SD	*1561.40660*	*2041.65550*	*647.54409000*	*583.48027000*	*66.53348400*	*1419.46600*	*307933*
RelInt Mean	0.02573402	1.35299280	0.37534156	0.88245943	0.00004913	0.60003048	61.38664700
RelInt RSD	*5.52879094*	*0.32674954*	*0.17472332*	*0.23563371*	*176.33497408*	*0.12345009*	*1.46483143*
RelInt SD	*0.00142278*	*0.00442090*	*0.00065581*	*0.00207937*	*0.00008663*	*0.00074074*	*0.89921090*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	21373034	472269	583680	991041	17413037	359240	10877824
Int RSD	*1.46338756*	*0.24493657*	*1.58951145*	*0.20658874*	*0.35311594*	*0.75602354*	*0.12390576*
Int SD	*312770*	*1156.75980*	*9277.66170*	*2047.37940*	*61488.21000*	*2715.93520*	*13478.25000*
RelInt Mean	1.22707580	0.47559526	0.03274276	---	---	---	11.09121600
RelInt RSD	*1.69198064*	*0.20129820*	*1.81097189*	---	---	---	*0.22159255*
RelInt SD	*0.02076189*	*0.00095736*	*0.00059296*	---	---	---	*0.02457731*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	664728	385802	23183.12200	10012.26100	1638477	9246.28010	
Int RSD	*0.42865830*	*0.63286291*	*0.56853926*	*0.51244765*	*0.50310532*	*1.22747850*	
Int SD	*2849.41270*	*2441.59890*	*131.80515000*	*51.30759600*	*8243.26340*	*113.49610000*	
RelInt Mean	1.85587450	1.05639930	0.01569329	0.00356462	1.66067910	0.00149757	
RelInt RSD	*0.45596454*	*0.25457931*	*1.20981070*	*1.28853655*	*0.59825485*	*10.31296315*	
RelInt SD	*0.00846213*	*0.00268937*	*0.00018986*	*0.00004593*	*0.00993509*	*0.00015444*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L5,S16645			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:50:13	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	1117723	1886.27660	4851.80740	9955.17360	8797.38390	874.29483000	8088.83450
Int RSD	*1.28916225*	*3.00416164*	*0.80776875*	*4.20566840*	*1.89610550*	*24.93118140*	*0.66564211*
Int SD	*14409.26300*	*56.66679800*	*39.19138400*	*418.68159000*	*166.80768000*	*217.97203000*	*53.84268900*
RelInt Mean	0.06072910	0.00122698	-0.00002573	0.00303993	0.00033714	0.00172786	0.00004637
RelInt RSD	*1.48943526*	*9.54314118*	*78.85729241*	*14.40290560*	*57.83385804*	*19.12566244*	*160.73417629*
RelInt SD	*0.00090452*	*0.00011709*	*0.00002029*	*0.00043784*	*0.00019498*	*0.00033047*	*0.00007453*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7173.76910	68893.32100	15448.43200	863.47210000	1953.83200	10580.59400	8923.78080
Int RSD	*2.95117109*	*7.22866401*	*15.98315026*	*24.04475952*	*1.20134208*	*5.28113941*	*16.92388051*
Int SD	*211.71020000*	*4980.06670*	*2469.14610*	*207.61979000*	*23.47220600*	*558.77592000*	*1510.25000*
RelInt Mean	0.00028708	0.00111217	0.00573921	0.00183983	-0.00027606	0.00099986	0.00345699
RelInt RSD	*70.71207071*	*26.57702221*	*44.89019451*	*28.50364743*	*138.79792061*	*55.74928822*	*45.40882628*
RelInt SD	*0.00020300*	*0.00029558*	*0.00257634*	*0.00052442*	*0.00038316*	*0.00055742*	*0.00156978*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	18826.18600	8842.22410	8930.38270	6436.26930	4931.11890	5345.66050	1845.98280
Int RSD	*8.54522419*	*0.53077391*	*0.16322513*	*1.81215444*	*0.86572108*	*6.11512609*	*2.56095436*
Int SD	*1608.73980*	*46.93221900*	*14.57662900*	*116.63514000*	*42.68973600*	*326.89388000*	*47.27477700*
RelInt Mean	0.03151069	0.00026656	-0.00008926	0.00030604	-0.00000136	0.00076347	0.00131085
RelInt RSD	*5.13809519*	*21.88987178*	*33.53466361*	*44.92167651*	*4167.68719*	*45.13084155*	*20.91003915*
RelInt SD	*0.00161905*	*0.00005835*	*0.00002993*	*0.00013748*	*0.00005668*	*0.00034456*	*0.00027410*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	116085	6787.15190	17832.93800	989476	17490125	362444	6661.64520
Int RSD	*12.29467020*	*22.12731676*	*1.95577066*	*0.27707224*	*0.16285635*	*0.46988883*	*5.79803680*
Int SD	*14272.32200*	*1501.81460*	*348.77137000*	*2741.56260*	*28483.78000*	*1703.08320*	*386.24464000*
RelInt Mean	0.00304281	0.00215433	0.00023363	---	---	---	0.00090510
RelInt RSD	*27.18838294*	*71.55579497*	*11.27043093*	---	---	---	*39.90934037*
RelInt SD	*0.00082729*	*0.00154155*	*0.00002633*	---	---	---	*0.00036122*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	243.21480000	5907.23700	7874.53520	5787.82810	8317.35570	6918.81880	
Int RSD	*59.74131920*	*17.33693603*	*0.16868889*	*1.53896915*	*0.38975309*	*0.07239674*	
Int SD	*145.29973000*	*1024.13390*	*13.28346600*	*89.07288900*	*32.41715100*	*5.00899940*	
RelInt Mean	-0.00047121	0.00085767	0.00044326	0.00007507	0.00030731	-0.00016160	
RelInt RSD	*90.61827681*	*7.50301688*	*1.44797106*	*121.92148909*	*6.69710820*	*11.13352682*	
RelInt SD	*0.00042700*	*0.00006435*	*0.00000642*	*0.00009153*	*0.00002058*	*0.00001799*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L6,S17115			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:53:29	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	59593.71700	2220.77570	4856.55430	8681.40420	8818.45340	73722.87400	8156.17320
Int RSD	*0.17762448*	*13.43712830*	*0.93280118*	*1.11316874*	*0.10403782*	*10.40626712*	*0.35340603*
Int SD	*105.85303000*	*298.40848000*	*45.30199600*	*96.63867800*	*9.17452650*	*7671.79920*	*28.82440800*
RelInt Mean	0.00006889	0.00119536	-0.00009304	0.00161339	0.00015916	0.20654422	-0.00002376
RelInt RSD	*25.16959866*	*31.84090519*	*65.79199423*	*7.23693220*	*25.33551556*	*10.09871058*	*133.05864280*
RelInt SD	*0.00001734*	*0.00038061*	*0.00006121*	*0.00011676*	*0.00004032*	*0.02085830*	*0.00003162*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7090.41330	62444.66000	13432.90100	21375.63300	15401.58700	10006.89800	6154.91360
Int RSD	*0.34967148*	*0.38090962*	*5.11478801*	*6.73469413*	*3.12034961*	*0.11598854*	*2.06147865*
Int SD	*24.79315300*	*237.85772000*	*687.06441000*	*1439.58350*	*480.58336000*	*11.60685500*	*126.88223000*
RelInt Mean	0.00011323	0.00071384	0.00357280	0.05951517	0.03750522	0.00023953	0.00057017
RelInt RSD	*26.48325039*	*1.13328395*	*21.13591203*	*6.07827725*	*4.41295235*	*20.12941774*	*25.61843348*
RelInt SD	*0.00002999*	*0.00000809*	*0.00075514*	*0.00361750*	*0.00165509*	*0.00004822*	*0.00014607*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	438643	8972.41090	9100.92050	6324.56270	4994.18440	4883.48080	1464.97310
Int RSD	*0.84851133*	*0.63888144*	*0.60813665*	*0.62937491*	*0.69011375*	*0.81086161*	*15.08732959*
Int SD	*3721.93520*	*57.32306800*	*55.34603300*	*39.80521100*	*34.46555300*	*39.59827100*	*221.02532000*
RelInt Mean	1.21094230	0.00024688	-0.00006687	0.00009024	0.00002198	0.00022741	0.00036756
RelInt RSD	*0.04499020*	*35.97700400*	*98.16236539*	*55.68762661*	*104.50793703*	*17.76817312*	*108.71893238*
RelInt SD	*0.00054481*	*0.00008882*	*0.00006564*	*0.00005025*	*0.00002297*	*0.00004041*	*0.00039961*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	76897.02800	4637.00280	17442.21800	982221	17346598	356815	6215.95250
Int RSD	*1.73208736*	*0.25057904*	*0.79941473*	*0.31422639*	*0.85766033*	*0.70652611*	*0.29628150*
Int SD	*1331.92370*	*11.61935700*	*139.43566000*	*3086.39630*	*148775*	*2520.99120*	*18.41671700*
RelInt Mean	0.00076908	-0.00010641	0.00019297	---	---	---	0.00037844
RelInt RSD	*12.37590655*	*15.91122053*	*2.19467304*	---	---	---	*7.38667600*
RelInt SD	*0.00009518*	*0.00001693*	*0.00000424*	---	---	---	*0.00002795*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	193.56103000	6043.58780	864820	5968.69770	8297.17850	6997.04470	
Int RSD	*58.35248965*	*16.55840592*	*0.44694878*	*0.23526450*	*0.56566975*	*0.72803648*	
Int SD	*112.94768000*	*1000.72180*	*3865.30240*	*14.04222700*	*46.93462900*	*50.94103800*	
RelInt Mean	-0.00054468	0.00109591	0.88106776	0.00018962	0.00017355	-0.00019073	
RelInt RSD	*112.14689739*	*16.21321203*	*0.15313101*	*5.95802199*	*16.37011278*	*27.00399876*	
RelInt SD	*0.00061084*	*0.00017768*	*0.00134919*	*0.00001130*	*0.00002841*	*0.00005151*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L7,S17113			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:56:45	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	59194.85500	1910.48030	4797.12000	8172.43290	8653.97530	840.64280000	8134.94740
Int RSD	*0.49710734*	*6.90071444*	*0.71764623*	*0.32318650*	*0.21235827*	*8.83422959*	*0.43818100*
Int SD	*294.26197000*	*131.83679000*	*34.42635100*	*26.41220000*	*18.37743200*	*74.26431500*	*35.64579400*
RelInt Mean	0.00005214	0.00116533	-0.00012858	0.00113191	0.00012661	0.00150480	0.00001113
RelInt RSD	*9.60514040*	*23.52348882*	*14.33180413*	*1.88220328*	*18.70635225*	*17.91987429*	*245.19927239*
RelInt SD	*0.00000501*	*0.00027413*	*0.00001843*	*0.00002130*	*0.00002369*	*0.00026966*	*0.00002730*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7077.75600	62207.34800	11946.25800	975.46175000	2144.80080	10034.44100	5760.11460
Int RSD	*0.43690452*	*0.64731226*	*3.48093185*	*25.33107731*	*8.02908410*	*0.25154198*	*0.46067146*
Int SD	*30.92303600*	*402.67579000*	*415.84110000*	*247.09497000*	*172.20786000*	*25.24083200*	*26.53520400*
RelInt Mean	0.00013448	0.00069167	0.00203239	0.00208897	0.00016600	0.00035755	0.00020005
RelInt RSD	*17.54640485*	*1.15785392*	*20.71793846*	*26.45238739*	*52.56362284*	*4.87180041*	*35.85731449*
RelInt SD	*0.00002360*	*0.00000801*	*0.00042107*	*0.00055258*	*0.00008726*	*0.00001742*	*0.00007173*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	20640.72500	8874.34900	8973.61990	6214.20430	4994.60200	4685.03120	1320.47690
Int RSD	*8.55978945*	*0.82095985*	*0.03494372*	*0.76918974*	*0.54585859*	*0.56662397*	*1.02102112*
Int SD	*1766.80260*	*72.85484200*	*3.13571700*	*47.79902200*	*27.26346400*	*26.54651000*	*13.48234800*
RelInt Mean	0.03585609	0.00019029	-0.00009658	0.00002470	0.00002492	0.00005841	-0.00015034
RelInt RSD	*6.16891781*	*38.18903367*	*2.63406545*	*72.81474690*	*215.64360993*	*45.14231289*	*129.82738544*
RelInt SD	*0.00221193*	*0.00007267*	*0.00000254*	*0.00001799*	*0.00005373*	*0.00002637*	*0.00019518*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	65002.37000	4568.99630	17238.66400	1002995	17736144	364969	6147.59650
Int RSD	*0.51593148*	*0.35041477*	*1.31343166*	*0.62274869*	*0.20858212*	*1.04431408*	*0.98004619*
Int SD	*335.36769000*	*16.01043800*	*226.41807000*	*6246.13760*	*36994.42500*	*3811.42170*	*60.24928500*
RelInt Mean	0.00008968	-0.00015177	0.00019230	---	---	---	0.00033481
RelInt RSD	*5.86513126*	*19.11155442*	*4.93186288*	---	---	---	*17.68856404*
RelInt SD	*0.00000526*	*0.00002901*	*0.00000948*	---	---	---	*0.00005922*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	264.08190000	6082.84320	8444.68890	601470	8261.60880	288924	
Int RSD	*59.79555964*	*18.28876339*	*1.15245858*	*0.71944494*	*0.72258178*	*0.62597707*	
Int SD	*157.90925000*	*1112.47680*	*97.32154200*	*4327.24410*	*59.69688000*	*1808.59660*	
RelInt Mean	-0.00036556	0.00073981	0.00095038	0.59964384	0.00015871	0.28371965	
RelInt RSD	*72.71523931*	*8.17086110*	*12.35358036*	*0.30859056*	*55.76325994*	*0.24834510*	
RelInt SD	*0.00026582*	*0.00006045*	*0.00011741*	*0.00185044*	*0.00008850*	*0.00070460*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L8,S17048			Sample Type: Calibration Sample
Measure Date: 2022-08-23 10:00:01	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	58755.13600	5954.98370	5115.29720	8510.90470	9108.90910	1372076	8411.79890
Int RSD	*0.82091503*	*6.87195701*	*0.33091804*	*0.48111077*	*0.23337112*	*0.37214478*	*0.29177623*
Int SD	*482.32974000*	*409.22392000*	*16.92744100*	*40.94687900*	*21.25756300*	*5106.10740*	*24.54363000*
RelInt Mean	0.00003860	-0.00295232	-0.00009540	0.00099177	0.00024340	4.01931230	-0.00002098
RelInt RSD	*49.42134537*	*44.90974474*	*35.00585787*	*4.59631503*	*9.89990174*	*0.73881758*	*151.02548439*
RelInt SD	*0.00001908*	*0.00132588*	*0.00003340*	*0.00004558*	*0.00002410*	*0.02969539*	*0.00003169*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7504.51930	62686.85000	12307.45600	78433.30800	246938	10681.64900	5868.82960
Int RSD	*0.48822286*	*0.53619313*	*2.57823696*	*13.61603160*	*0.88398066*	*0.04914503*	*0.50223842*
Int SD	*36.63877900*	*336.12258000*	*317.31538000*	*10679.50400*	*2182.88700*	*5.24950000*	*29.47551700*
RelInt Mean	0.00003426	0.00072868	0.00198368	0.22932975	0.71568129	0.00052835	0.00002740
RelInt RSD	*90.77876235*	*1.00731216*	*17.52082931*	*14.11123720*	*0.55375644*	*3.63864719*	*104.99695427*
RelInt SD	*0.00003110*	*0.00000734*	*0.00034756*	*0.03236127*	*0.00396313*	*0.00001922*	*0.00002876*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	1588855	9182.26020	9310.26970	6437.62690	5099.87040	4880.33890	2264.86570
Int RSD	*0.37343098*	*0.16578888*	*0.30720219*	*0.22994399*	*0.68222314*	*0.70723259*	*8.98285713*
Int SD	*5933.27560*	*15.22316600*	*28.60135200*	*14.80293600*	*34.79249600*	*34.51534700*	*203.44965000*
RelInt Mean	4.62447770	0.00018073	-0.00009271	0.00004600	-0.00000658	0.00004874	0.00310088
RelInt RSD	*0.42935175*	*5.44441436*	*30.10728400*	*45.06421122*	*436.66748326*	*62.38373450*	*16.27067041*
RelInt SD	*0.01985528*	*0.00000984*	*0.00002791*	*0.00002073*	*0.00002873*	*0.00003041*	*0.00050453*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	67370.76300	4739.54490	18281.75600	947095	17062837	342699	6441.12210
Int RSD	*0.46498666*	*0.15209732*	*0.56871621*	*0.17645454*	*0.17547598*	*0.55982517*	*0.74666642*
Int SD	*313.26506000*	*7.20872060*	*103.97131000*	*1671.19230*	*29941.18000*	*1918.51790*	*48.09369600*
RelInt Mean	0.00016747	-0.00013659	0.00020067	---	---	---	0.00045316
RelInt RSD	*5.03472161*	*22.50492954*	*4.24060357*	---	---	---	*9.61694899*
RelInt SD	*0.00000843*	*0.00003074*	*0.00000851*	---	---	---	*0.00004358*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	155.76533000	5908.58720	8650.31640	6239.43870	8560.17730	7345.99180	
Int RSD	*101.05762303*	*19.05905358*	*0.44677050*	*0.99749117*	*0.26307094*	*0.80846977*	
Int SD	*157.41274000*	*1126.12080*	*38.64706200*	*62.23785000*	*22.51933900*	*59.39012300*	
RelInt Mean	-0.00046006	0.00146554	0.00060051	0.00032945	0.00014157	-0.00007967	
RelInt RSD	*18.77722996*	*25.37685239*	*12.89961817*	*19.38415004*	*34.23784557*	*114.11353732*	
RelInt SD	*0.00008639*	*0.00037191*	*0.00007746*	*0.00006386*	*0.00004847*	*0.00009092*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICV,S17024			Sample Type: Control Sample
Measure Date: 2022-08-23 10:03:29	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	343814	7166.62540	36592.49000	118161	311644	736381	198031
Int RSD	*1.52567928*	*1.14808353*	*0.13076299*	*0.30453870*	*0.04170993*	*0.40744350*	*0.24533577*
Int SD	*5245.49210*	*82.27884600*	*47.84943300*	*359.84475000*	*129.98645000*	*3000.33720*	*485.84166000*
RelInt Mean	0.01656005	0.00916026	0.03267357	0.11533001	0.31561199	2.12912110	0.19746964
RelInt RSD	*2.39722137*	*3.45841642*	*0.21478492*	*0.21963439*	*0.18037609*	*0.59125242*	*0.37725246*
RelInt SD	*0.00039698*	*0.00031680*	*0.00007018*	*0.00025330*	*0.00056929*	*0.01258848*	*0.00074496*
Conc Mean	0.54429805[mg/l]	1.09016780[mg/l]	1.05786320[mg/l]	1.02284840[mg/l]	1.01477000[mg/l]	105.90451000[mg/l]	0.98751991[mg/l]
Conc RSD	*2.40374038*	*4.03199948*	*0.21380514*	*0.22035561*	*0.17904369*	*0.59166160*	*0.37499849*
Conc SD	*0.01308351[mg/l]*	*0.04395556[mg/l]*	*0.00226177[mg/l]*	*0.00225390[mg/l]*	*0.00181688[mg/l]*	*0.62659632[mg/l]*	*0.00370318[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	155552	831581	342207	45113.97700	127306	1610843	153004
Int RSD	*0.28733607*	*2.22760234*	*0.05431734*	*9.47200532*	*0.61332966*	*0.26867226*	*0.43211540*
Int SD	*446.95769000*	*18524.31000*	*185.87796000*	*4273.19830*	*780.80527000*	*4327.88860*	*661.15298000*
RelInt Mean	0.15424228	0.04542356	0.34594440	0.12980001	0.36096526	1.66937430	0.15338341
RelInt RSD	*0.36619216*	*2.77698085*	*0.12762438*	*9.81036134*	*0.40692534*	*0.19849580*	*0.56361265*
RelInt SD	*0.00056482*	*0.00126140*	*0.00044151*	*0.01273385*	*0.00146886*	*0.00331364*	*0.00086449*
Conc Mean	1.00237610[mg/l]	1.03784360[mg/l]	0.99392080[mg/l]	112.72367000[mg/l]	100.84398000[mg/l]	1.01187820[mg/l]	1.05235860[mg/l]
Conc RSD	*0.36626266*	*2.82364086*	*0.13631586*	*9.90576957*	*0.40706898*	*0.19852968*	*0.56504536*
Conc SD	*0.00367133[mg/l]*	*0.02930498[mg/l]*	*0.00135487[mg/l]*	*11.16614700[mg/l]*	*0.41050456[mg/l]*	*0.00200888[mg/l]*	*0.00594630[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	846717	138623	46965.18300	35837.57200	36136.09500	298416	471243
Int RSD	*0.22535059*	*0.14429390*	*0.74971762*	*0.42197873*	*0.12096925*	*0.12163126*	*0.22913396*
Int SD	*1908.08190*	*200.02420000*	*352.10625000*	*151.22693000*	*43.71356400*	*362.96742000*	*1079.77850*
RelInt Mean	2.42282130	0.13495060	0.03898865	0.03056047	0.03224341	0.30616471	1.35958570
RelInt RSD	*0.38859423*	*0.15717388*	*0.96713723*	*0.54057213*	*0.21032694*	*0.07477223*	*0.24654419*
RelInt SD	*0.00941494*	*0.00021211*	*0.00037707*	*0.00016520*	*0.00006782*	*0.00022893*	*0.00335198*
Conc Mean	104.07475000[mg/l]	0.99549526[mg/l]	1.04051800[mg/l]	1.03034760[mg/l]	0.99463159[mg/l]	5.09942600[mg/l]	1.01193690[mg/l]
Conc RSD	*0.39257480*	*0.15745398*	*0.96456822*	*0.54692283*	*0.21071011*	*0.07485377*	*0.24650992*
Conc SD	*0.40857124[mg/l]*	*0.00156745[mg/l]*	*0.01003651[mg/l]*	*0.00563521[mg/l]*	*0.00209579[mg/l]*	*0.00381711[mg/l]*	*0.00249452[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2236056	20858.51000	130742	969322	17218192	347230	365098
Int RSD	*1.91537958*	*0.74554611*	*2.43426856*	*0.12907968*	*0.61396783*	*0.21074712*	*0.10253589*
Int SD	*42828.96200*	*155.50981000*	*3182.60240*	*1251.19720*	*105714*	*731.77630000*	*374.35622000*
RelInt Mean	0.12649276	0.01651263	0.00676456	---	---	---	0.37436941
RelInt RSD	*2.46101816*	*1.01200772*	*3.13490339*	---	---	---	*0.17425160*
RelInt SD	*0.00311301*	*0.00016711*	*0.00021206*	---	---	---	*0.00065234*
Conc Mean	1.02284520[mg/l]	1.04605920[mg/l]	1.00787270[mg/l]	958608	17139426	345565	0.99311002[mg/l]
Conc RSD	*2.48240428*	*1.00209376*	*3.23245664*	---	---	---	*0.17443153*
Conc SD	*0.02539115[mg/l]*	*0.01048249[mg/l]*	*0.03257905[mg/l]*	*1270.35810*	*105950*	*571.58817000*	*0.00173230[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	126752	45469.19700	453452	313977	347427	7481.20170	
Int RSD	*0.05865224*	*2.67265859*	*0.06935125*	*0.12436534*	*0.04069095*	*0.41980337*	
Int SD	*74.34288300*	*1215.23640*	*314.47472000*	*390.47891000*	*141.37147000*	*31.40633700*	
RelInt Mean	0.36541411	0.11449712	0.46429798	0.32095207	0.35312922	0.00002861	
RelInt RSD	*0.42420368*	*4.65664586*	*0.12064155*	*0.13649191*	*0.11635712*	*147.53386504*	
RelInt SD	*0.00155010*	*0.00533173*	*0.00056014*	*0.00043807*	*0.00041089*	*0.00004221*	
Conc Mean	0.98566128[mg/l]	1.07492200[mg/l]	5.24307810[mg/l]	5.35114020[mg/l]	1.05887030[mg/l]	<0.00530195[mg/l]	
Conc RSD	*0.42373916*	*4.70021527*	*0.11915395*	*0.13656030*	*0.11619056*	*28.05001312*	
Conc SD	*0.00417663[mg/l]*	*0.05052365[mg/l]*	*0.00624733[mg/l]*	*0.00730753[mg/l]*	*0.00123031[mg/l]*	*0.00148720[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973012 File : met06_master Time : 23-AUG-2022 10:10
Cal : 482338973001 Caldate : 23-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18422473	4.95
Yttrium	A	970979	1053037	8.45
Yttrium	R	370837	372579	0.47

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICB,1			Sample Type: Control Sample
Measure Date: 2022-08-23 10:10:01	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	61698.32700	1940.33340	4885.38910	7916.17140	8866.53170	1050.75380	8286.46820
Int RSD	*0.70256156*	*3.34208353*	*0.55824913*	*0.37849600*	*0.29098106*	*3.33713454*	*0.67386154*
Int SD	*433.46873000*	*64.84756300*	*27.27264200*	*29.96239200*	*25.79992800*	*35.06506800*	*55.83932200*
RelInt Mean	0.00004376	0.00117423	-0.00009680	0.00061377	0.00016416	0.00193763	-0.00001645
RelInt RSD	*46.57624195*	*25.76822327*	*40.70443534*	*6.60842180*	*20.36660909*	*8.49724147*	*386.33266771*
RelInt SD	*0.00002038*	*0.00030258*	*0.00003940*	*0.00004056*	*0.00003343*	*0.00016464*	*0.00006354*
Conc Mean	<-0.00003767[mg/l]	<-0.01788289[mg/l]	<0.00306930[mg/l]	0.00209720[mg/l]	<-0.00009428[mg/l]	<0.02325622[mg/l]	<-0.00009583[mg/l]
Conc RSD	*1783.09108*	*234.76334423*	*41.34846842*	*17.20919099*	*113.63797592*	*35.23894359*	*332.05101900*
Conc SD	*0.00067174[mg/l]*	*0.04198248[mg/l]*	*0.00126911[mg/l]*	*0.00036091[mg/l]*	*0.00010713[mg/l]*	*0.00819525[mg/l]*	*0.00031822[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7221.96310	64023.21900	10889.24800	1369.60410	2227.52870	10226.61900	5632.37960
Int RSD	*0.48392612*	*0.39250821*	*0.41990964*	*23.32294201*	*0.73525441*	*0.38057810*	*0.24042462*
Int SD	*34.94896600*	*251.29639000*	*45.72500200*	*319.43197000*	*16.37800300*	*38.92027200*	*13.54162700*
RelInt Mean	0.00003822	0.00064761	0.00061285	0.00311503	0.00009853	0.00022693	-0.00004994
RelInt RSD	*122.52523915*	*2.05957109*	*7.42906079*	*24.93590698*	*80.94064112*	*15.29128427*	*79.57007959*
RelInt SD	*0.00004683*	*0.00001334*	*0.00004553*	*0.00077676*	*0.00007975*	*0.00003470*	*0.00003974*
Conc Mean	<0.00005164[mg/l]	<-0.00239405[mg/l]	<-0.06580691[mg/l]	<1.63527700[mg/l]	<-0.00765278[mg/l]	<-0.00002210[mg/l]	<-0.00301834[mg/l]
Conc RSD	*589.49257806*	*12.94325351*	*0.21231118*	*41.65243014*	*291.22925608*	*95.19525916*	*9.05627550*
Conc SD	*0.00030439[mg/l]*	*0.00030987[mg/l]*	*0.00013972[mg/l]*	*0.68113261[mg/l]*	*0.02228714[mg/l]*	*0.00002104[mg/l]*	*0.00027335[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	29188.41100	9013.03960	9212.38250	6289.50100	5019.95460	4697.17410	1362.06430
Int RSD	*9.35745320*	*0.38436632*	*0.75852762*	*0.39107991*	*0.27374387*	*0.23968837*	*7.54106763*
Int SD	*2731.29190*	*34.64308900*	*69.87846600*	*24.59697500*	*13.74181800*	*11.25858000*	*102.71419000*
RelInt Mean	0.05752406	0.00017750	-0.00004488	-0.00003377	0.00000615	-0.00000635	-0.00005904
RelInt RSD	*8.50181303*	*13.91270530*	*122.26269674*	*97.58340263*	*160.62224817*	*128.02867449*	*627.70647734*
RelInt SD	*0.00489059*	*0.00002469*	*0.00005487*	*0.00003295*	*0.00000988*	*0.00000812*	*0.00037061*
Conc Mean	1.43105520[mg/l]	<-0.00048278[mg/l]	<0.00161714[mg/l]	<-0.00376490[mg/l]	<-0.00161802[mg/l]	<-0.00567514[mg/l]	<0.00009597[mg/l]
Conc RSD	*14.83034547*	*37.80128454*	*89.87095549*	*29.79221663*	*18.86783997*	*2.38698862*	*287.39694976*
Conc SD	*0.21223043[mg/l]*	*0.00018250[mg/l]*	*0.00145334[mg/l]*	*0.00112165[mg/l]*	*0.00030529[mg/l]*	*0.00013546[mg/l]*	*0.00027581[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	65494.65500	4579.30830	17971.26900	1053037	18422473	372579	6209.65560
Int RSD	*0.93025437*	*0.26025865*	*0.53161300*	*0.59930253*	*1.14146146*	*0.73033760*	*0.23838462*
Int SD	*609.26689000*	*11.91804600*	*95.53760300*	*6310.87680*	*210285*	*2721.08410*	*14.80286400*
RelInt Mean	-0.00003465	-0.00008408	0.00018808	---	---	---	0.00024766
RelInt RSD	*23.89647591*	*7.06675146*	*1.23458052*	---	---	---	*6.41993233*
RelInt SD	*0.00000828*	*0.00000594*	*0.00000232*	---	---	---	*0.00001590*
Conc Mean	<-0.00917037[mg/l]	0.00498571[mg/l]	<-0.00212265[mg/l]	1042569	18342782	370821	<0.00015628[mg/l]
Conc RSD	*0.73640910*	*7.53201268*	*16.81156021*	---	---	---	*27.02900711*
Conc SD	*0.00006753[mg/l]*	*0.00037552[mg/l]*	*0.00035685[mg/l]*	*6299.99470*	*210408*	*2687.86980*	*0.00004224[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	87.38244800	6248.67490	8091.12080	5795.24870	8419.20810	7057.12300	
Int RSD	*246.41314695*	*19.32960699*	*0.66484134*	*1.06872050*	*0.25854835*	*0.42236628*	
Int SD	*215.32184000*	*1207.84430*	*53.79311600*	*61.93501100*	*21.76772400*	*29.80690800*	
RelInt Mean	-0.00080459	0.00089598	0.00031598	0.00000118	0.00010708	-0.00023299	
RelInt RSD	*17.11958892*	*38.44353566*	*25.10054836*	*5421.95029*	*31.81871632*	*26.72142101*	
RelInt SD	*0.00013774*	*0.00034445*	*0.00007931*	*0.00006378*	*0.00003407*	*0.00006226*	
Conc Mean	<-0.00108904[mg/l]	<-0.00156658[mg/l]	<-0.00259394[mg/l]	<-0.00264422[mg/l]	<-0.00019204[mg/l]	<-0.00391470[mg/l]	
Conc RSD	*34.07937196*	*208.35205457*	*34.95094716*	*40.23340833*	*55.44389416*	*56.03131426*	
Conc SD	*0.00037114[mg/l]*	*0.00326400[mg/l]*	*0.00090661[mg/l]*	*0.00106386[mg/l]*	*0.00010647[mg/l]*	*0.00219346[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973013 File : met06_master Time : 23-AUG-2022 10:13
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S16979, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.005544	0.003333	mg/l	!a+

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	146.3	mg/l	91	
Aluminum	R	400.0	370.8	mg/l	93	
Calcium	R	400.0	391.6	mg/l	98	
Magnesium	R	400.0	403.3	mg/l	101	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	16549392	-5.72
Yttrium	A	970979	914571	-5.81
Yttrium	R	370837	335426	-9.55

!=warning +=high bias a=ICSA

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSA,S16979	Sample Type: Control Sample		
Measure Date: 2022-08-23 10:13:16	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	60143.56800	904923	9904.61930	10387.55000	10088.07900	2627845	9565.71170
Int RSD	*0.47385351*	*0.78821305*	*0.15631699*	*0.31798448*	*0.53989864*	*0.42176283*	*0.19170617*
Int SD	*284.99241000*	*7132.72020*	*15.48260300*	*33.03079700*	*54.46540100*	*11083.27500*	*18.33806000*
RelInt Mean	0.00002667	2.67347380	-0.00011374	0.00134066	0.00030572	7.86978050	0.00022058
RelInt RSD	*32.87017075*	*1.31148366*	*43.77276320*	*7.21446557*	*20.65244015*	*1.05373651*	*7.57730356*
RelInt SD	*0.00000877*	*0.03506217*	*0.00004979*	*0.00009672*	*0.00006314*	*0.08292675*	*0.00001671*
Conc Mean	<-0.00060077[mg/l]	>370.76040000[mg/l]	<0.00252633[mg/l]	0.00856508[mg/l]	<0.00037173[mg/l]	>391.64773000[mg/l]	0.00108583[mg/l]
Conc RSD	*48.10040118*	*1.31212279*	*63.48997954*	*10.04815423*	*54.32027613*	*1.05393416*	*7.71659232*
Conc SD	*0.00028897[mg/l]*	*4.86483170[mg/l]*	*0.00160397[mg/l]*	*0.00086063[mg/l]*	*0.00020192[mg/l]*	*4.12770920[mg/l]*	*0.00008379[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	8366.59370	65488.97600	43071426	844.90450000	485279	15225.69300	13489.72500
Int RSD	*0.88721586*	*0.67116786*	*0.97590800*	*27.33541720*	*0.45259594*	*0.48371008*	*0.49929125*
Int SD	*74.22974600*	*439.54096000*	*420337*	*230.95817000*	*2196.35220*	*73.64821200*	*67.35301600*
RelInt Mean	-0.00043029	0.00076048	47.70659200	0.00214541	1.44308830	0.00225585	-0.00040032
RelInt RSD	*17.21966337*	*2.43863244*	*0.46305903*	*21.81445356*	*0.46118185*	*4.61820245*	*23.65445548*
RelInt SD	*0.00007409*	*0.00001855*	*0.22090968*	*0.00046801*	*0.00665526*	*0.00010418*	*0.00009469*
Conc Mean	<-0.00299368[mg/l]	<0.00022810[mg/l]	>146.33074000[mg/l]	<0.78502295[mg/l]	>403.26553000[mg/l]	0.00120791[mg/l]	<-0.00542835[mg/l]
Conc RSD	*16.08770087*	*188.87997290*	*0.46327215*	*52.27754934*	*0.46121961*	*5.22868621*	*11.99877141*
Conc SD	*0.00048161[mg/l]*	*0.00043084[mg/l]*	*0.67790956[mg/l]*	*0.41039076[mg/l]*	*1.85993970[mg/l]*	*0.00006316[mg/l]*	*0.00065133[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	17703.52700	9879.31460	18692.00500	15623.50600	11306.54700	9848.78270	8997.66330
Int RSD	*8.23308655*	*0.39102388*	*0.48694803*	*0.71634587*	*0.41494942*	*0.99858126*	*10.09326755*
Int SD	*1457.54670*	*38.63047900*	*91.02035000*	*111.91834000*	*46.91645100*	*98.34809800*	*908.15823000*
RelInt Mean	0.03230885	-0.00005921	0.00288374	0.00005079	-0.00014872	0.00008021	0.02305040
RelInt RSD	*5.20120722*	*67.63607382*	*1.77675887*	*301.47420534*	*98.14468487*	*121.48374884*	*13.72569310*
RelInt SD	*0.00168045*	*0.00004005*	*0.00005124*	*0.00015312*	*0.00014597*	*0.00009744*	*0.00316383*
Conc Mean	<0.33682406[mg/l]	<-0.00223205[mg/l]	0.00554368[mg/l]	<-0.00087265[mg/l]	<-0.00640422[mg/l]	<-0.00423197[mg/l]	0.01729390[mg/l]
Conc RSD	*21.65056024*	*13.25867182*	*19.15192869*	*596.16576365*	*70.43579010*	*38.39041778*	*13.61465351*
Conc SD	*0.07292430[mg/l]*	*0.00029594[mg/l]*	*0.00106172[mg/l]*	*0.00520244[mg/l]*	*0.00451086[mg/l]*	*0.00162467[mg/l]*	*0.00235450[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	72950.88300	9776.67440	19747.13700	914571	16549392	335426	15669.68900
Int RSD	*0.16051704*	*0.19298272*	*1.31321746*	*0.50959833*	*0.41593155*	*0.63160300*	*0.38957753*
Int SD	*117.09860000*	*18.86729200*	*259.32285000*	*4660.64040*	*68834.14300*	*2118.56000*	*61.04558800*
RelInt Mean	0.00038239	-0.00037628	0.00018050	---	---	---	0.00115849
RelInt RSD	*1.40964167*	*17.52697465*	*6.09186861*	---	---	---	*0.88076995*
RelInt SD	*0.00000539*	*0.00006595*	*0.00001100*	---	---	---	*0.00001020*
Conc Mean	<-0.00576880[mg/l]	<-0.01344056[mg/l]	<-0.00328593[mg/l]	902511	16463121	333710	0.00257649[mg/l]
Conc RSD	*0.76214251*	*30.93572508*	*51.41630561*	---	---	---	*1.04421926*
Conc SD	*0.00004397[mg/l]*	*0.00415794[mg/l]*	*0.00168950[mg/l]*	*4638.32420*	*68558.56100*	*2105.98430*	*0.00002690[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	128.99007000	5675.48300	10897.63400	9176.42840	9970.99560	11491.10700	
Int RSD	*71.53506235*	*18.68817332*	*0.35152145*	*0.22105169*	*0.32748369*	*1.36624348*	
Int SD	*92.27312700*	*1060.64410*	*38.30752100*	*20.28465000*	*32.65338400*	*156.99650000*	
RelInt Mean	-0.00075259	0.00145310	0.00143989	0.00014347	-0.00015576	0.00032390	
RelInt RSD	*53.63441743*	*14.07437323*	*4.87203839*	*37.38727760*	*21.36950096*	*61.37723855*	
RelInt SD	*0.00040365*	*0.00020451*	*0.00007015*	*0.00005364*	*0.00003329*	*0.00019880*	
Conc Mean	<-0.00094892[mg/l]	<0.00371262[mg/l]	0.01022456[mg/l]	<-0.00027068[mg/l]	<-0.00098146[mg/l]	0.01570534[mg/l]	
Conc RSD	*114.61458052*	*52.19984737*	*7.80792195*	*330.55493571*	*9.85392076*	*44.59640434*	
Conc SD	*0.00108760[mg/l]*	*0.00193798[mg/l]*	*0.00079833[mg/l]*	*0.00089474[mg/l]*	*0.00009671[mg/l]*	*0.00700401[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973014 File : met06_master Time : 23-AUG-2022 10:16
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S17065, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.041	mg/l	4	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	16574588	-5.57
Yttrium	A	970979	917293	-5.53
Yttrium	R	370837	334966	-9.67

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSAB,S17065			Sample Type: Control Sample
Measure Date: 2022-08-23 10:16:33	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	615670	899134	9859.41760	10519.55200	150295	2618987	98760.31500
Int RSD	*1.98421027*	*0.78163364*	*0.55259254*	*1.44560434*	*0.72809394*	*0.53133622*	*0.23043571*
Int SD	*12216.18200*	*7027.93620*	*54.48240600*	*152.07110000*	*1094.28980*	*13915.62400*	*227.57903000*
RelInt Mean	0.03361856	2.65869790	-0.00016906	0.00146238	0.15507366	7.85218830	0.09856125
RelInt RSD	*2.00278787*	*1.07585326*	*23.66871459*	*7.69476890*	*0.31141085*	*1.01953857*	*0.53388617*
RelInt SD	*0.00067331*	*0.02860369*	*0.00004001*	*0.00011253*	*0.00048292*	*0.08005609*	*0.00052620*
Conc Mean	1.10650400[mg/l]	>368.71025000[mg/l]	<0.00027650[mg/l]	0.00964817[mg/l]	0.50018970[mg/l]	>390.77207000[mg/l]	0.49376486[mg/l]
Conc RSD	*2.00546469*	*1.07638168*	*465.97029548*	*10.37782753*	*0.31341743*	*1.01972892*	*0.53391191*
Conc SD	*0.02219055[mg/l]*	*3.96872960[mg/l]*	*0.00128841[mg/l]*	*0.00100127[mg/l]*	*0.00156768[mg/l]*	*3.98481580[mg/l]*	*0.00263627[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	82224.89000	459175	43304368	733.59068000	486658	764549	13553.28900
Int RSD	*0.13481966*	*2.36805176*	*0.25245195*	*20.18994843*	*0.50038870*	*0.67541423*	*1.40568050*
Int SD	*110.85532000*	*10873.49100*	*109323*	*148.11158000*	*2435.18310*	*5163.87020*	*190.51594000*
RelInt Mean	0.08102580	0.02457432	47.82821500	0.00178766	1.44906820	0.82993615	-0.00034856
RelInt RSD	*0.84600762*	*2.44576338*	*0.58708323*	*20.44810937*	*0.26258695*	*0.34178317*	*93.37152559*
RelInt SD	*0.00068548*	*0.00060103*	*0.28079143*	*0.00036554*	*0.00380506*	*0.00283658*	*0.00032546*
Conc Mean	0.52646993[mg/l]	0.55347268[mg/l]	>146.70397000[mg/l]	<0.47132106[mg/l]	>404.93674000[mg/l]	0.50297900[mg/l]	<-0.00507235[mg/l]
Conc RSD	*0.84632325*	*2.52282660*	*0.58735392*	*68.00882396*	*0.26260848*	*0.34189185*	*44.13385558*
Conc SD	*0.00445564[mg/l]*	*0.01396316[mg/l]*	*0.86167152[mg/l]*	*0.32053991[mg/l]*	*1.06339820[mg/l]*	*0.00171964[mg/l]*	*0.00223862[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	18321.94500	129045	54008.07400	15855.52100	11250.74800	9802.40370	8952.18990
Int RSD	*7.32919131*	*0.51727598*	*0.32532438*	*0.78259560*	*0.37104852*	*0.37667048*	*13.38158276*
Int SD	*1342.85040*	*667.51750000*	*175.70143000*	*124.08461000*	*41.74573400*	*36.92276100*	*1197.94470*
RelInt Mean	0.03424577	0.13139586	0.04178085	0.00026488	-0.00026568	-0.00001828	0.02294448
RelInt RSD	*4.21191893*	*0.53108090*	*1.29516928*	*64.10325256*	*43.56900720*	*310.88878918*	*16.42632996*
RelInt SD	*0.00144240*	*0.00069782*	*0.00054113*	*0.00016980*	*0.00011575*	*0.00005684*	*0.00376894*
Conc Mean	<0.42087763[mg/l]	0.96922563[mg/l]	1.04144350[mg/l]	<0.00329894[mg/l]	<-0.01001863[mg/l]	<-0.00587417[mg/l]	0.01721507[mg/l]
Conc RSD	*14.87228152*	*0.53206330*	*1.44976189*	*174.27527016*	*35.70601298*	*16.13336834*	*16.29283245*
Conc SD	*0.06259411[mg/l]*	*0.00515689[mg/l]*	*0.01509845[mg/l]*	*0.00574924[mg/l]*	*0.00357725[mg/l]*	*0.00094770[mg/l]*	*0.00280482[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	71961.35900	9879.46580	73562.20100	917293	16574588	334966	338125
Int RSD	*0.47642331*	*0.40849285*	*1.49753200*	*0.76245544*	*0.29159156*	*0.57144364*	*0.25224630*
Int SD	*342.84069000*	*40.35691100*	*1101.61750*	*6993.94660*	*48330.10000*	*1914.14070*	*852.90842000*
RelInt Mean	0.00031088	-0.00020571	0.00343900	---	---	---	0.35728795
RelInt RSD	*1.07954923*	*51.32531375*	*1.76550692*	---	---	---	*0.62693822*
RelInt SD	*0.00000336*	*0.00010558*	*0.00006072*	---	---	---	*0.00223997*
Conc Mean	<-0.00635211[mg/l]	<-0.00268479[mg/l]	0.49734934[mg/l]	905124	16487809	333336	0.94799143[mg/l]
Conc RSD	*0.43093835*	*247.80138066*	*1.87551794*	---	---	---	*0.62720766*
Conc SD	*0.00002737[mg/l]*	*0.00665296[mg/l]*	*0.00932788[mg/l]*	*7029.60210*	*47933.03100*	*1900.41570*	*0.00594587[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	59185.17900	5513.54230	10965.57100	9481.15740	334356	11576.95700	
Int RSD	*6.13505638*	*18.91706898*	*1.58716240*	*0.89705813*	*0.31640336*	*0.58378896*	
Int SD	*3631.04410*	*1043.00060*	*174.04142000*	*85.05149300*	*1057.91360*	*67.58499700*	
RelInt Mean	0.17651192	0.00123921	0.00147825	0.00038720	0.35771894	0.00032061	
RelInt RSD	*6.72340825*	*16.38743021*	*10.93738229*	*33.52404972*	*0.46428934*	*46.22152305*	
RelInt SD	*0.01186762*	*0.00020307*	*0.00016168*	*0.00012981*	*0.00166085*	*0.00014819*	
Conc Mean	0.47667772[mg/l]	<0.00168583[mg/l]	0.01065219[mg/l]	<0.00379504[mg/l]	1.07653690[mg/l]	0.01558920[mg/l]	
Conc RSD	*6.70818871*	*114.14830049*	*16.86367251*	*57.05554798*	*0.46435263*	*33.49019366*	
Conc SD	*0.03197644[mg/l]*	*0.00192434[mg/l]*	*0.00179635[mg/l]*	*0.00216528[mg/l]*	*0.00499893[mg/l]*	*0.00522085[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973054 File : met06_master Time : 23-AUG-2022 12:49
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0347	0.0402	1.000	1.072	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18253856	3.99
Yttrium	A	970979	1053095	8.46
Yttrium	R	370837	365141	-1.54

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17024			Sample Type: Control Sample
Measure Date: 2022-08-23 12:49:28	Recalculation Date:	State: Check failed	Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	377478	6979.73580	40172.51900	126779	337133	766107	219903
Int RSD	*1.34108121*	*7.88449729*	*0.28334581*	*0.38087935*	*0.06821384*	*0.53010549*	*0.22251961*
Int SD	*5062.29230*	*550.31708000*	*113.82715000*	*482.87613000*	*229.97119000*	*4061.17530*	*489.32681000*
RelInt Mean	0.01711843	0.00838598	0.03306712	0.11367365	0.31416937	2.10564960	0.20191469
RelInt RSD	*1.58347796*	*8.45949867*	*0.25302879*	*0.32607018*	*0.11719992*	*0.17233394*	*0.31536100*
RelInt SD	*0.00027107*	*0.00070941*	*0.00008367*	*0.00037066*	*0.00036821*	*0.00362875*	*0.00063676*
Conc Mean	0.56270092[mg/l]	0.98273823[mg/l]	1.07053640[mg/l]	1.00811000[mg/l]	1.01012360[mg/l]	104.73621000[mg/l]	1.00974950[mg/l]
Conc RSD	*1.58764158*	*10.01589671*	*0.25194878*	*0.32715392*	*0.11763105*	*0.17245782*	*0.31665368*
Conc SD	*0.00893367[mg/l]*	*0.09843005[mg/l]*	*0.00269720[mg/l]*	*0.00329807[mg/l]*	*0.00118822[mg/l]*	*0.18062578[mg/l]*	*0.00319741[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	169995	882386	367007	44060.86400	130543	1736878	165793
Int RSD	*0.48941808*	*1.82482672*	*0.11460256*	*12.74854029*	*0.94911036*	*0.30867634*	*0.40312416*
Int SD	*831.98396000*	*16102.02100*	*420.59910000*	*5617.11700*	*1239.00160*	*5361.33080*	*668.34971000*
RelInt Mean	0.15508864	0.04532443	0.34114139	0.12065303	0.35228324	1.65686810	0.15288641
RelInt RSD	*0.42111041*	*1.86004412*	*0.10175746*	*12.69768525*	*0.94361290*	*0.28571988*	*0.45754957*
RelInt SD	*0.00065309*	*0.00084305*	*0.00034714*	*0.01532014*	*0.00332419*	*0.00473400*	*0.00069953*
Conc Mean	1.00787760[mg/l]	1.03554050[mg/l]	0.97918166[mg/l]	104.70280000[mg/l]	98.41761300[mg/l]	1.00429640[mg/l]	1.04894000[mg/l]
Conc RSD	*0.42119394*	*1.89136794*	*0.10879281*	*12.83063395*	*0.94395092*	*0.28576615*	*0.45871659*
Conc SD	*0.00424512[mg/l]*	*0.01958588[mg/l]*	*0.00106528[mg/l]*	*13.43403300[mg/l]*	*0.92901396[mg/l]*	*0.00286994[mg/l]*	*0.00481166[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	855272	155331	52416.44800	39248.64100	39061.63000	328648	483930
Int RSD	*0.67689149*	*0.01868838*	*0.47350379*	*0.47891388*	*0.09899088*	*0.18585524*	*0.58426831*
Int SD	*5789.26660*	*29.02887600*	*248.19387000*	*187.96719000*	*38.66745000*	*610.80921000*	*2827.44900*
RelInt Mean	2.32712700	0.13934089	0.04017179	0.03074010	0.03197344	0.31045872	1.32721160
RelInt RSD	*0.30675065*	*0.12623974*	*0.59824057*	*0.64923665*	*0.26574008*	*0.28223977*	*0.28952212*
RelInt SD	*0.00713848*	*0.00017590*	*0.00024032*	*0.00019958*	*0.00008497*	*0.00087624*	*0.00384257*
Conc Mean	99.92202900[mg/l]	1.02793970[mg/l]	1.07203610[mg/l]	1.03642160[mg/l]	0.98628837[mg/l]	5.17102430[mg/l]	0.98784425[mg/l]
Conc RSD	*0.31001685*	*0.12646266*	*0.59786638*	*0.65679854*	*0.26622868*	*0.28254439*	*0.28947807*
Conc SD	*0.30977513[mg/l]*	*0.00129996[mg/l]*	*0.00640934[mg/l]*	*0.00680720[mg/l]*	*0.00262578[mg/l]*	*0.01461044[mg/l]*	*0.00285959[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2425448	22552.65600	143927	1053095	18253856	365141	414745
Int RSD	*1.87368692*	*0.61356028*	*1.57943991*	*0.10439758*	*0.18636054*	*0.42274824*	*0.04134305*
Int SD	*45445.30000*	*138.37414000*	*2273.23890*	*1099.40590*	*34017.98500*	*1543.62850*	*171.46804000*
RelInt Mean	0.12932890	0.01635274	0.00700879	---	---	---	0.39172757
RelInt RSD	*1.81445593*	*1.05339032*	*1.60797366*	---	---	---	*0.11080055*
RelInt SD	*0.00234662*	*0.00017226*	*0.00011270*	---	---	---	*0.00043404*
Conc Mean	1.04597810[mg/l]	1.03592800[mg/l]	1.04539780[mg/l]	1041192	18167329	363568	1.03920090[mg/l]
Conc RSD	*1.82987139*	*1.04363016*	*1.65614745*	---	---	---	*0.11110218*
Conc SD	*0.01914005[mg/l]*	*0.01081126[mg/l]*	*0.01731333[mg/l]*	*1039.43600*	*33948.70000*	*1582.69160*	*0.00115457[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	126430	41849.16000	490515	348957	373823	8533.18240	
Int RSD	*0.93468436*	*8.70227001*	*0.07688749*	*0.20401897*	*0.22293518*	*0.15053930*	
Int SD	*1181.72330*	*3641.82690*	*377.14481000*	*711.93751000*	*833.38375000*	*12.84579300*	
RelInt Mean	0.34666942	0.09897479	0.46223419	0.32861088	0.34954968	0.00048036	
RelInt RSD	*0.81264606*	*7.49041044*	*0.17780775*	*0.12301549*	*0.13531731*	*7.18783759*	
RelInt SD	*0.00281720*	*0.00741362*	*0.00082189*	*0.00040424*	*0.00047300*	*0.00003453*	
Conc Mean	0.93515505[mg/l]	0.92783185[mg/l]	5.21971670[mg/l]	5.47889690[mg/l]	1.04804670[mg/l]	0.02121735[mg/l]	
Conc RSD	*0.81170775*	*7.57159953*	*0.17712731*	*0.12307522*	*0.13508262*	*5.73318002*	
Conc SD	*0.00759073[mg/l]*	*0.07025171[mg/l]*	*0.00924554[mg/l]*	*0.00674316[mg/l]*	*0.00141573[mg/l]*	*0.00121643[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973055 File : met06_master Time : 23-AUG-2022 12:52
Cal : 482338973001 Caldate : 23-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18954175	7.98
Yttrium	A	970979	1114347	14.77
Yttrium	R	370837	379515	2.34

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-08-23 12:52:42	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	68127.46000	2053.95090	5348.80800	9126.32080	9750.01050	1020.33760	9182.22620
Int RSD	*0.15683638*	*8.34257820*	*0.62090976*	*0.81412746*	*0.83189371*	*3.41967492*	*0.59776837*
Int SD	*106.84864000*	*171.35246000*	*33.21127100*	*74.29988400*	*81.10972400*	*34.89222900*	*54.88844400*
RelInt Mean	0.00005454	0.00112118	-0.00005469	0.00097747	0.00015279	0.00197470	0.00002016
RelInt RSD	*46.51133611*	*12.57853767*	*47.71638754*	*5.69244944*	*45.12177791*	*20.77296428*	*206.83479849*
RelInt SD	*0.00002537*	*0.00014103*	*0.00002610*	*0.00005564*	*0.00006894*	*0.00041020*	*0.00004169*
Conc Mean	<0.00031754[mg/l]	<-0.02524421[mg/l]	0.00442609[mg/l]	0.00533343[mg/l]	<-0.00014220[mg/l]	<0.02510137[mg/l]	<0.00008775[mg/l]
Conc RSD	*263.27919143*	*77.51259883*	*18.99163971*	*9.28309072*	*157.37812423*	*81.34210231*	*237.81889545*
Conc SD	*0.00083602[mg/l]*	*0.01956744[mg/l]*	*0.00084059[mg/l]*	*0.00049511[mg/l]*	*0.00022379[mg/l]*	*0.02041798[mg/l]*	*0.00020869[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7958.25140	71913.84700	11634.15100	831.03598000	2196.84710	11181.93500	6665.95010
Int RSD	*0.26626853*	*0.40910189*	*0.27763524*	*20.84185573*	*11.92748963*	*0.44073279*	*1.66223552*
Int SD	*21.19031900*	*294.20091000*	*32.30050300*	*173.20332000*	*262.02871000*	*49.28245400*	*110.80379000*
RelInt Mean	0.00001539	0.00077135	0.00025111	0.00172001	0.00022932	0.00017645	0.00039495
RelInt RSD	*55.66789244*	*0.16064783*	*24.85855833*	*17.79464672*	*151.13795070*	*14.65609316*	*24.31927363*
RelInt SD	*0.00000857*	*0.00000124*	*0.00006242*	*0.00030607*	*0.00034659*	*0.00002586*	*0.00009605*
Conc Mean	<-0.00009675[mg/l]	<0.00048075[mg/l]	<-0.06691700[mg/l]	<0.41199936[mg/l]	<0.02889966[mg/l]	<-0.00005270[mg/l]	<0.00004183[mg/l]
Conc RSD	*57.56523042*	*5.98815546*	*0.28625564*	*65.14300168*	*335.16207906*	*29.74745776*	*1579.38422*
Conc SD	*0.00005569[mg/l]*	*0.00002879[mg/l]*	*0.00019155[mg/l]*	*0.26838875[mg/l]*	*0.09686071[mg/l]*	*0.00001568[mg/l]*	*0.00066067[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	18828.00100	9901.56800	10125.25400	7028.54160	5558.57530	5196.94450	1340.48190
Int RSD	*5.71095997*	*0.41336730*	*0.49910827*	*0.53232816*	*0.53041010*	*2.35766978*	*10.16991800*
Int SD	*1075.25960*	*40.92984400*	*50.53598000*	*37.41490600*	*29.48324500*	*122.52679000*	*136.32591000*
RelInt Mean	0.02827356	0.00012696	-0.00008774	0.00008941	0.00004335	0.00007861	-0.00019859
RelInt RSD	*1.29279773*	*18.22946585*	*31.53806608*	*25.54172348*	*34.83725618*	*138.48220542*	*141.17901209*
RelInt SD	*0.00036552*	*0.00002314*	*0.00002767*	*0.00002284*	*0.00001510*	*0.00010886*	*0.00028036*
Conc Mean	<0.16170962[mg/l]	<-0.00085624[mg/l]	<0.00047751[mg/l]	<0.00042318[mg/l]	<-0.00046838[mg/l]	<-0.00425860[mg/l]	<-0.00000788[mg/l]
Conc RSD	*9.80892170*	*19.97549904*	*153.46455524*	*183.41465330*	*99.64409835*	*42.62277024*	*2647.87858*
Conc SD	*0.01586197[mg/l]*	*0.00017104[mg/l]*	*0.00073281[mg/l]*	*0.00077617[mg/l]*	*0.00046672[mg/l]*	*0.00181513[mg/l]*	*0.00020864[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	71996.47300	5034.57900	19386.28500	1114347	18954175	379515	6797.65370
Int RSD	*0.45679914*	*0.30985159*	*0.82305769*	*0.15455407*	*0.50912793*	*0.20048582*	*1.25285753*
Int SD	*328.87927000*	*15.59972300*	*159.56031000*	*1722.26800*	*96500.99800*	*760.87304000*	*85.16491600*
RelInt Mean	-0.00004865	-0.00006684	0.00017105	---	---	---	0.00023982
RelInt RSD	*28.92242548*	*53.22935716*	*6.62371055*	---	---	---	*27.07052089*
RelInt SD	*0.00001407*	*0.00003558*	*0.00001133*	---	---	---	*0.00006492*
Conc Mean	<-0.00928456[mg/l]	0.00606505[mg/l]	<-0.00473908[mg/l]	1102787	18867763	377802	<0.00013554[mg/l]
Conc RSD	*1.23604466*	*37.01313696*	*36.72863759*	---	---	---	*127.17705545*
Conc SD	*0.00011476[mg/l]*	*0.00224487[mg/l]*	*0.00174060[mg/l]*	*1758.90500*	*96513.25900*	*774.50276000*	*0.00017237[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	24.36386000	6082.71840	9010.98000	6349.72890	9307.73260	7979.88690	
Int RSD	*273.04592950*	*16.92104307*	*0.78359314*	*1.34848677*	*0.10679530*	*1.33178842*	
Int SD	*66.52452800*	*1029.25940*	*70.60942100*	*85.62525400*	*9.94022130*	*106.27521000*	
RelInt Mean	-0.00080089	0.00011391	0.00038733	0.00008374	0.00013442	0.00014802	
RelInt RSD	*46.87501405*	*173.65325857*	*17.17446789*	*53.22819609*	*19.93653338*	*75.81466208*	
RelInt SD	*0.00037542*	*0.00019781*	*0.00006652*	*0.00004457*	*0.00002680*	*0.00011222*	
Conc Mean	<-0.00107906[mg/l]	<-0.00897757[mg/l]	<-0.00185244[mg/l]	<-0.00126697[mg/l]	<-0.00011468[mg/l]	0.00950870[mg/l]	
Conc RSD	*93.74211409*	*20.87884112*	*40.71236146*	*58.68604522*	*72.82711210*	*41.57846171*	
Conc SD	*0.00101153[mg/l]*	*0.00187441[mg/l]*	*0.00075417[mg/l]*	*0.00074353[mg/l]*	*0.00008352[mg/l]*	*0.00395357[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973066 File : met06_master Time : 23-AUG-2022 13:41
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0347	0.0400	1.000	1.067	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18055983	2.86
Yttrium	A	970979	1053138	8.46
Yttrium	R	370837	363460	-1.99

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17024	Sample Type: Control Sample		
Measure Date: 2022-08-23 13:41:55	Recalculation Date:	State: Check failed	Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	373334	7148.90910	39662.68200	125454	335230	759884	218588
Int RSD	*1.19792970*	*10.38986578*	*0.51911295*	*0.42442719*	*0.24199041*	*0.86811671*	*0.50759327*
Int SD	*4472.27960*	*742.76206000*	*205.89412000*	*532.46072000*	*811.22542000*	*6596.68420*	*1109.53560*
RelInt Mean	0.01712001	0.00879508	0.03264136	0.11252114	0.31249992	2.09872770	0.20076638
RelInt RSD	*1.58425910*	*9.04036842*	*0.50111481*	*0.09140216*	*0.12352255*	*0.31550980*	*0.24405231*
RelInt SD	*0.00027123*	*0.00079511*	*0.00016357*	*0.00010285*	*0.00038601*	*0.00662169*	*0.00048997*
Conc Mean	0.56275315[mg/l]	1.03950060[mg/l]	1.05682510[mg/l]	0.99785491[mg/l]	1.00477020[mg/l]	104.39167000[mg/l]	1.00398280[mg/l]
Conc RSD	*1.58842318*	*10.61281350*	*0.49822714*	*0.09170735*	*0.12463629*	*0.31573298*	*0.24476134*
Conc SD	*0.00893890[mg/l]*	*0.11032026[mg/l]*	*0.00526539[mg/l]*	*0.00091511[mg/l]*	*0.00125231[mg/l]*	*0.32959893[mg/l]*	*0.00245736[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	169043	877775	367794	44083.37100	128702	1719039	164152
Int RSD	*0.41620344*	*1.60818798*	*0.19052985*	*14.77260144*	*1.88568151*	*0.38036612*	*0.54760063*
Int SD	*703.56412000*	*14116.27200*	*700.75825000*	*6512.26070*	*2426.90360*	*6538.64160*	*898.89531000*
RelInt Mean	0.15429805	0.04562807	0.34193433	0.12133729	0.34875454	1.63968660	0.15138016
RelInt RSD	*0.45993908*	*1.91766272*	*0.40314174*	*15.72668880*	*1.00228579*	*0.75052348*	*0.26574323*
RelInt SD	*0.00070968*	*0.00087499*	*0.00137848*	*0.01908234*	*0.00349552*	*0.01230623*	*0.00040228*
Conc Mean	1.00273870[mg/l]	1.04259470[mg/l]	0.98161500[mg/l]	105.30283000[mg/l]	97.43144700[mg/l]	0.99388033[mg/l]	1.03857940[mg/l]
Conc RSD	*0.46002812*	*1.94974135*	*0.43094108*	*15.89040959*	*1.00264765*	*0.75064239*	*0.26642807*
Conc SD	*0.00461288[mg/l]*	*0.02032790[mg/l]*	*0.00423018[mg/l]*	*16.73305100[mg/l]*	*0.97689411[mg/l]*	*0.00746049[mg/l]*	*0.00276707[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	850752	154312	52063.86800	38886.15900	38779.92500	325340	479556
Int RSD	*0.73029854*	*0.31543891*	*0.52670270*	*0.34583825*	*0.27599313*	*0.48137015*	*0.72441274*
Int SD	*6213.02750*	*486.75977000*	*274.22180000*	*134.48321000*	*107.02993000*	*1566.08830*	*3473.96720*
RelInt Mean	2.32546130	0.13847668	0.03998613	0.03047639	0.03177338	0.30727817	1.32137020
RelInt RSD	*0.30523560*	*0.28827800*	*0.75074819*	*0.23478263*	*0.52550791*	*0.36363465*	*0.58900469*
RelInt SD	*0.00709814*	*0.00039920*	*0.00030020*	*0.00007155*	*0.00016697*	*0.00111737*	*0.00778293*
Conc Mean	99.84974500[mg/l]	1.02155310[mg/l]	1.06708230[mg/l]	1.02748730[mg/l]	0.98010567[mg/l]	5.11799180[mg/l]	0.98349711[mg/l]
Conc RSD	*0.30849479*	*0.28878550*	*0.75060743*	*0.23450633*	*0.52647699*	*0.36403063*	*0.58892364*
Conc SD	*0.30803126[mg/l]*	*0.00295010[mg/l]*	*0.00800960[mg/l]*	*0.00240952[mg/l]*	*0.00516003[mg/l]*	*0.01863106[mg/l]*	*0.00579205[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2416406	22389.41100	143303	1053138	18055983	363460	411917
Int RSD	*1.27352634*	*0.21375770*	*1.38077759*	*0.36569139*	*0.55193637*	*1.06383663*	*0.26507258*
Int SD	*30773.57200*	*47.85908900*	*1978.70110*	*3851.23500*	*99657.53800*	*3866.61690*	*1091.88030*
RelInt Mean	0.13031073	0.01623870	0.00705537	---	---	---	0.38903205
RelInt RSD	*1.44658387*	*0.15285444*	*1.61500141*	---	---	---	*0.24280384*
RelInt SD	*0.00188505*	*0.00002482*	*0.00011394*	---	---	---	*0.00094458*
Conc Mean	1.05398630[mg/l]	1.02874490[mg/l]	1.05255740[mg/l]	1041358	17971037	361816	1.03204570[mg/l]
Conc RSD	*1.45878367*	*0.15537497*	*1.66323300*	---	---	---	*0.24282052*
Conc SD	*0.01537538[mg/l]*	*0.00159841[mg/l]*	*0.01750648[mg/l]*	*3827.73720*	*99515.45400*	*4098.93020*	*0.00250602[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	126395	42163.54200	489764	348195	370980	8658.32950	
Int RSD	*0.21599214*	*10.17646098*	*0.20636290*	*0.30500994*	*0.28793988*	*0.94759551*	
Int SD	*273.00396000*	*4290.75640*	*1010.69020*	*1062.03050*	*1068.19800*	*82.04594200*	
RelInt Mean	0.34822941	0.10002106	0.46155594	0.32786533	0.34692341	0.00066857	
RelInt RSD	*1.29432913*	*9.78245192*	*0.25605091*	*0.22097984*	*0.23547489*	*9.09484769*	
RelInt SD	*0.00450723*	*0.00978451*	*0.00118182*	*0.00072452*	*0.00081692*	*0.00006081*	
Conc Mean	0.93935832[mg/l]	0.93774631[mg/l]	5.21224700[mg/l]	5.46646050[mg/l]	1.04018930[mg/l]	0.02784825[mg/l]	
Conc RSD	*1.29284340*	*9.88736687*	*0.25755570*	*0.22108803*	*0.23470894*	*7.69251688*	
Conc SD	*0.01214443[mg/l]*	*0.09271842[mg/l]*	*0.01342444[mg/l]*	*0.01208569[mg/l]*	*0.00244142[mg/l]*	*0.00214223[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973067 File : met06_master Time : 23-AUG-2022 13:45
Cal : 482338973001 Caldate : 23-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18834812	7.30
Yttrium	A	970979	1122614	15.62
Yttrium	R	370837	388771	4.84

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-08-23 13:45:09	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	66866.27500	1995.50040	5318.89840	8578.70360	9577.55830	1161.54490	8995.05210
Int RSD	*0.12330267*	*7.36600504*	*0.57216502*	*0.67831521*	*0.20471065*	*8.16616405*	*0.47922113*
Int SD	*82.44790500*	*146.98866000*	*30.43287600*	*58.19065100*	*19.60628200*	*94.85366200*	*43.10619000*
RelInt Mean	0.00004677	0.00117585	-0.00004272	0.00058574	0.00011705	0.00211613	-0.00005286
RelInt RSD	*23.83412607*	*13.16865033*	*96.47402977*	*8.28346034*	*41.38814510*	*15.13968157*	*85.07144717*
RelInt SD	*0.00001115*	*0.00015484*	*0.00004122*	*0.00004852*	*0.00004845*	*0.00032038*	*0.00004497*
Conc Mean	<0.00006164[mg/l]	<-0.01765876[mg/l]	0.00481149[mg/l]	0.00184775[mg/l]	<-0.00025798[mg/l]	<0.03214155[mg/l]	<-0.00027838[mg/l]
Conc RSD	*596.04903736*	*121.66386173*	*27.59689081*	*23.36508924*	*60.10079391*	*49.61436670*	*80.92613805*
Conc SD	*0.00036741[mg/l]*	*0.02148433[mg/l]*	*0.00132782[mg/l]*	*0.00043173[mg/l]*	*0.00015505[mg/l]*	*0.01594682[mg/l]*	*0.00022528[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7843.35280	70649.44400	11665.35800	1292.89220	2382.54950	11003.73500	6609.06740
Int RSD	*0.55265131*	*0.21768893*	*0.77544723*	*17.43718773*	*11.40959925*	*0.50814537*	*1.15700230*
Int SD	*43.34639200*	*153.79602000*	*90.45869600*	*225.44404000*	*271.83935000*	*55.91497000*	*76.46706200*
RelInt Mean	0.00003190	0.00075729	0.00052599	0.00288252	0.00041508	0.00017234	0.00040979
RelInt RSD	*78.44638114*	*2.75170556*	*12.74078402*	*14.97577411*	*74.87720628*	*25.28697425*	*19.18048891*
RelInt SD	*0.00002503*	*0.00002084*	*0.00006702*	*0.00043168*	*0.00031080*	*0.00004358*	*0.00007860*
Conc Mean	<0.00001057[mg/l]	<0.00015407[mg/l]	<-0.06607345[mg/l]	<1.43138400[mg/l]	<0.08081591[mg/l]	<-0.00005520[mg/l]	<0.00014390[mg/l]
Conc RSD	*1539.44896*	*314.22545025*	*0.31124698*	*26.44529490*	*107.47939759*	*47.86559082*	*375.70737495*
Conc SD	*0.00016267[mg/l]*	*0.00048412[mg/l]*	*0.00020565[mg/l]*	*0.37853372[mg/l]*	*0.08686045[mg/l]*	*0.00002642[mg/l]*	*0.00054064[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	24441.75100	9807.23380	9966.44830	6878.77400	5470.93420	5086.93340	1345.10320
Int RSD	*6.31372687*	*0.55591121*	*0.28140157*	*0.12342769*	*0.10722089*	*0.52165881*	*7.49933239*
Int SD	*1543.18540*	*54.51951200*	*28.04574200*	*8.49031200*	*5.86598430*	*26.53643600*	*100.87376000*
RelInt Mean	0.04215906	0.00020051	-0.00009637	0.00001710	-0.00000700	0.00001938	-0.00017712
RelInt RSD	*2.19763662*	*15.43737392*	*69.36887499*	*78.90032786*	*406.33517576*	*115.51503724*	*116.90147183*
RelInt SD	*0.00092650*	*0.00003095*	*0.00006685*	*0.00001349*	*0.00002843*	*0.00002239*	*0.00020706*
Conc Mean	0.76428023[mg/l]	<-0.00031270[mg/l]	<0.00024628[mg/l]	<-0.00203566[mg/l]	<-0.00202428[mg/l]	<-0.00524614[mg/l]	<0.00000809[mg/l]
Conc RSD	*5.26066336*	*73.15333300*	*722.48714381*	*22.54629758*	*43.39731541*	*7.11631028*	*1903.93960*
Conc SD	*0.04020621[mg/l]*	*0.00022875[mg/l]*	*0.00177931[mg/l]*	*0.00045897[mg/l]*	*0.00087848[mg/l]*	*0.00037333[mg/l]*	*0.00015409[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	71549.93300	4972.21990	19150.18100	1122614	18834812	388771	6721.23500
Int RSD	*0.38766897*	*0.22587645*	*0.49781407*	*0.55642752*	*0.16609491*	*0.47600988*	*0.89178443*
Int SD	*277.37689000*	*11.23107400*	*95.33229600*	*6246.53100*	*31283.66400*	*1850.58680*	*59.93892700*
RelInt Mean	-0.00002587	-0.00010032	0.00017889	---	---	---	0.00023118
RelInt RSD	*39.57621971*	*25.57492002*	*1.09558459*	---	---	---	*26.98206693*
RelInt SD	*0.00001024*	*0.00002566*	*0.00000196*	---	---	---	*0.00006238*
Conc Mean	<-0.00909880[mg/l]	0.00395332[mg/l]	<-0.00353547[mg/l]	1111277	18749674	387001	<0.00011254[mg/l]
Conc RSD	*0.91788278*	*40.95931597*	*8.51594688*	---	---	---	*147.24016075*
Conc SD	*0.00008352[mg/l]*	*0.00161925[mg/l]*	*0.00030108[mg/l]*	*6174.88630*	*31259.33900*	*2012.68500*	*0.00016571[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	237.67180000	6388.24520	8874.66230	6322.28370	9079.64210	8424.41650	
Int RSD	*45.56270874*	*20.27612372*	*0.46314095*	*1.01249688*	*0.55273292*	*0.85692915*	
Int SD	*108.28971000*	*1295.28850*	*41.10219500*	*64.01292500*	*50.18617100*	*72.19128100*	
RelInt Mean	-0.00030970	0.00086111	0.00042382	0.00008668	0.00004427	0.00060738	
RelInt RSD	*37.44672745*	*33.93732487*	*3.50388116*	*50.17342179*	*100.26426207*	*16.16877411*	
RelInt SD	*0.00011597*	*0.00029224*	*0.00001485*	*0.00004349*	*0.00004439*	*0.00009821*	
Conc Mean	<0.00024440[mg/l]	<-0.00189701[mg/l]	<-0.00144037[mg/l]	<-0.00121800[mg/l]	<-0.00038750[mg/l]	0.02569252[mg/l]	
Conc RSD	*127.85673220*	*145.98079082*	*10.91907115*	*59.55927450*	*35.73645221*	*13.46653321*	
Conc SD	*0.00031248[mg/l]*	*0.00276927[mg/l]*	*0.00015728[mg/l]*	*0.00072543[mg/l]*	*0.00013848[mg/l]*	*0.00345989[mg/l]*	

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 467872
Report Level: IV
Report Date: 01/21/2023

PCBs

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	467872
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/23/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.1GE-DG-4 TO 17-220823-P-LA	467872-001	08/23/22 09:55	Wipe
DOOR-N-0.3GE-EXT-3 TO 4-220823-P-CB	467872-003	08/23/22 10:25	Wipe
DOOR-N-0.4GE-INT-17 TO 18-220823-P-CB	467872-005	08/23/22 10:12	Wipe
DOOR-N-0.5GE-DG-4 TO 17-220823-P-LA	467872-007	08/23/22 09:59	Wipe
DOOR-N-0.5GE-DG-4 TO 17-220823-P-DUP-LA	467872-008	08/23/22 09:59	Wipe
DOOR-N-0.1GE-PS-17-220823-P-G	467872-010	08/23/22 10:10	Wipe
DOOR-N-0.2GE-DG-3 TO 16-220823-P-LA	467872-012	08/23/22 10:55	Wipe
DOOR-N-0.2GE-INT-1 TO 16-220823-P-CB	467872-014	08/23/22 11:53	Wipe
DOOR-N-0.3GE-INT-16 TO 17-220823-P-CB	467872-016	08/23/22 12:05	Wipe
DOOR-N-0.3GE-DG-2 TO 16-220823-P-LA	467872-018	08/23/22 12:15	Wipe
DOOR-N-0.4GE-DG-3 TO 17-220823-P-LA	467872-020	08/23/22 10:53	Wipe
DOOR-N-0.4GE-EXT-2 TO 3-220823-P-CB	467872-022	08/23/22 12:20	Wipe
DOOR-N-0.5GE-PS-17-220823-P-G	467872-024	08/23/22 10:42	Wipe
DOOR-N-0.5GE-INT-16 TO 17-220823-P-CB	467872-026	08/23/22 11:25	Wipe

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	467872
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/23/22

Sample ID	Lab ID	Collected	Matrix
AFRAME-C1E-MED-L1-HS-3-220823-P-A	467872-029	08/23/22 11:20	Wipe
AFRAME-C1E-LAT-L1-EXT-0 TO 1-220823-P-WF	467872-031	08/23/22 11:40	Wipe
DOOR-N-0.4GE-DG-3 TO 16-220823-P-LA	467872-033	08/23/22 11:50	Wipe
DOOR-N-0.4GE-DG-3 TO 16-220823-P-DUP-LA	467872-034	08/23/22 11:50	Wipe
DOOR-N-0.3GE-PS-17-220823-P-G	467872-036	08/23/22 11:02	Wipe
DOOR-N-0.3GE-PS-17-220823-P-DUP-G	467872-037	08/23/22 11:02	Wipe
DOOR-N-0.1GE-DG-2 TO 16-220823-P-LA	467872-039	08/23/22 11:10	Wipe
DOOR-N-0.2GE-EXT-3 TO 4-220823-P-CB	467872-041	08/23/22 10:25	Wipe
220823-P-MEDBLANK1	467872-044	08/23/22 09:50	Wipe
220823-P-MEDBLANK2	467872-046	08/23/22 09:53	Wipe
DOOR-N-0.1GE-EXT-2 TO 3-220823-P-CB	467872-048	08/23/22 10:45	Wipe

Case Narrative

PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 467872 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 08/23/22

This data package contains sample and QC results for twenty five wipe samples, requested for the above referenced project on 08/24/22. See attached cooler receipt form for any sample receipt problems or discrepancies. Reissued on 1/21/23 to revise the PCB extraction method.

PCBs (EPA 8082):

- High response was observed for Aroclor-1260 in the CCV analyzed 08/27/22 05:11; this analyte was not detected at or above the RL in the associated samples so reanalysis or recalibration weren't required.
- No other analytical problems were encountered.

Chain of Custody

467872

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 4

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	DOOR-N-0.1GE-DG-4 TO 17-220823-P- LA	8/23/2022	0955	WP	1		X			**Confirmation Wipe Samples - Level IV Report/Stage 3 Validation** Report PCB concentrations on a µg/100cm² basis Report lead concentrations on a µg/ft² basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 1 Enclosure A
2	DOOR-N-0.1GE-DG-4 TO 17-220823-L- LA	8/23/2022	0955	WP	1			X		2x Rivet Type 1 = 0.0276 ft² added area
3	DOOR-N-0.3GE-EXT-3 TO 4-220823-P- CB	8/23/2022	1025	WP	1		X			
4	DOOR-N-0.3GE-EXT-3 TO 4-220823-L- CB	8/23/2022	1025	WP	1			X		
5	DOOR-N-0.4GE-INT-17 TO 18-22023-P- CB	8/23/2022	1012	WP	1		X			
6	DOOR-N-0.4GE-INT-17 TO 18-220823-L- CB	8/23/2022	1012	WP	1			X		
7	DOOR-N-0.5GE-DG-4 TO 17-220823-P- LA	8/23/2022	0959	WP	1		X			
8	DOOR-N-0.5GE-DG-4 TO 17-220823-P-DUP- LA	8/23/2022	0959	WP	1		X			
9	DOOR-N-0.5GE-DG-4 TO 17-220823-L- LA	8/23/2022	0959	WP	1			X		2x Rivet Type 1 = 0.0276 ft² added area
10	DOOR-N-0.1GE-PS-17-220823-P- G	8/23/2022	1010	WP	1		X			
11	DOOR-N-0.1GE-PS-17-220823-L- G	8/23/2022	1010	WP	1			X		8x Rivet Type 2 and 3x Rivet Type 1 = 0.1214 ft² added area
12	~~DOOR-N-0.1GE-INT-16 TO 17-220823-P~~	~~8/23/2022~~		WP	1		X			TS
13	~~DOOR-N-0.1GE-INT-16 TO 17-220823-L~~	~~8/23/2022~~		WP	1			X		TS
14	DOOR-N-0.2GE-DG-3 TO 16-220823-P- LA	8/23/2022	1055	WP	1		X			
15	DOOR-N-0.2GE-DG-3 TO 16-220823-L- LA	8/23/2022	1055	WP	1			X		2x Rivet Type 1 = 0.0276 ft² added area

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	T Sinnott	Tyler Sinnott	Rincon / Envi. Scientist	8/23/22 / 1429
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	8/23/22 14:39
2 Relinquished By:	Audrey Hudson	Maureen Vine	BA	8/23/22 15:55
2 Received By:		Maureen Vine	BA	8/23/22 15:55
3 Relinquished By:		yam	BA	8/23/22 17:22
3 Received By:				8/24/22 08:25

467872

ENTHALPY ANALYTICAL

Chain of Custody Record — COC ID:

Page: 2 of 4

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

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Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure A

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
16	DOOR-N-0.2GE-~~EXT~~-INT-1 TO 16-220823-P- CB	8/23/2022	1153	WP	1		X		
17	DOOR-N-0.2GE-~~EXT~~-INT-1 TO 16-220823-L- CB	8/23/2022	1153	WP	1			X	
18	DOOR-N-0.3GE-INT-16 TO 17-220823-P- CB	8/23/2022	1205	WP	1		X		
19	DOOR-N-0.3GE-INT-16 TO 17-220823-L- CB	8/23/2022	1205	WP	1			X	
20	DOOR-N-0.3GE-DG-2 TO 16-220823-P- LA	8/23/2022	1215	WP	1		X		
21	DOOR-N-0.3GE-DG-2 TO 16-220823-L- LA	8/23/2022	1215	WP	1			X	
22	DOOR-N-0.4GE-DG-3 TO 17-220823-P- LA	8/23/2022	1053	WP	1		X		
23	DOOR-N-0.4GE-DG-3 TO 17-220823-L- LA	8/23/2022	1053	WP	1			X	
24	DOOR-N-0.4GE-EXT-2 TO 3-220823-P- CB	8/23/2022	1220	WP	1		X		
25	DOOR-N-0.4GE-EXT-2 TO 3-220823-L- CB	8/23/2022	1220	WP	1			X	
26	DOOR-N-0.5GE-PS-17-220823-P- G	8/23/2022	1042	WP	1		X		
27	DOOR-N-0.5GE-PS-17-220823-L- G	8/23/2022	1042	WP	1			X	
28	DOOR-N-0.5GE-INT-16 TO 17-220823-P- CB	8/23/2022	1125	WP	1		X		
29	DOOR-N-0.5GE-INT-16 TO 17-220823-L- CB	8/23/2022	1125	WP	1			X	
30	DOOR-N-0.5GE-INT-16 TO 17-220823-L-DUP- CB	8/23/2022	1125	WP	1			X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	TKinott	Tyler Sinnott	Rincon / Envi. Scientist	8/23/22 1429
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY "	8/23/22 14:39
[2] Relinquished By:	Audrey Hudson	"	"	8/23/22 15:55
[2] Received By:		Maceewill Yuji	BA	8/23/22 15:55
[3] Relinquished By:		Maceewill Yuji	BA	8/23/22 17:22
[3] Received By:		Yanitz	ER	8/24/22 08:35

2x ~~Rivet Type 1 = 0.0276 ft²~~ TS added area

2x Rivet Type 1 = 0.0276 ft² added area

2x Rivet Type 1 = 0.0276 ft² added area

467872

ENTHALPY ANALYTICAL

Chain of Custody Record — COC ID:

Page: 3 of 4

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

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931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
31	AFRAME-C1E-MED-L1-HS-3-220823-P-A	8/23/2022	1120	WP	1		X			Confirmation Wipe Samples - Level IV Report/Stage 3 Validation
32	AFRAME-C1E-MED-L1-HS-3-220823-L-A	8/23/2022	1120	WP	1			X		Report PCB concentrations on a µg/100cm² basis
33	AFRAME-C1E-LAT-L1-EXT-0 TO 1-220823-P-WF	8/23/2022	1140	WP	1		X			Report lead concentrations on a µg/ft² basis
34	AFRAME-C1E-LAT-L1-EXT-0 TO 1-220823-L-WF	8/23/2022	1140	WP	1			X		Report Aroclor 1268 concentrations in addition to the standard Aroclors
35	DOOR-N-0.4GE-DG-3 TO 16-220823-P-LA	8/23/2022	1150	WP	1		X			
36	DOOR-N-0.4GE-DG-3 TO 16-220823-P-DUP-LA	8/23/2022	1150	WP	1		X			Wipe samples collected from Zone 1 Enclosure A
37	DOOR-N-0.4GE-DG-3 TO 16-220823-L-LA	8/23/2022	1150	WP	1			X		2x Rivet Type 1 = 0.0276 ft² added area
38	DOOR-N-0.3GE-PS-17-220823-P-G	8/23/2022	1102	WP	1		X			
39	DOOR-N-0.3GE-PS-17-220823-P-DUP-G	8/23/2022	1102	WP	1		X			
40	DOOR-N-0.3GE-PS-17-220823-L-G	8/23/2022	1102	WP	1			X		6x Rivet Type 1 = 0.0828 ft² added area
41	DOOR-N-0.1GE-DG-2 TO 16-220823-P-LA	8/23/2022	1110	WP	1		X			
42	DOOR-N-0.1GE-DG-2 TO 16-220823-L-LA	8/23/2022	1110	WP	1			X		2x Rivet Type 1 = 0.0276 ft² added area
43	DOOR-N-0.2GE-EXT-3 TO 4-220823-P-CB	8/23/2022	1025	WP	1		X			
44	DOOR-N-0.2GE-EXT-3 TO 4-220823-L-CB	8/23/2022	1025	WP	1			X		
45	DOOR-N-0.2GE-EXT-3 TO 4-220823-L-DUP-CB	8/23/2022	1025	WP	1			X		

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	T Kinott	Tyler Sinnott	Rincon / Envi. Scientist	8/23/22 / 1429
[1] Received By:	Audrey Hudson	Audrey Hudson	ENTHALPY	8/23/22 14:39
[2] Relinquished By:	Audrey Hudson	"	"	8/23/22 15:55
[2] Received By:		Macevoill Y.P	BA	8/23/22 15:55
[3] Relinquished By:		Macevoill Y.P	BA	8/23/22 17:27
[3] Received By:		yamith	EA	8/24/2022 08:30

467872

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 4 of 4

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 S = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
46	220823-P-MEDBLANK	8/23/2022	0950	WP	1		X		
47	220823-L-MEDBLANK	8/23/2022	0950	WP	1			X	
48	220823-P-MEDBLANK	8/23/2022	0953	WP	1		X		
49	220823-L-MEDBLANK	8/23/2022	0953	WP	1			X	
50	DOOR-N-0.1GE-EXT-2TO3-220823-P-CB	8/23/22	1045	WP	1		X		
51	DOOR-N-0.1GE-EXT-2TO3-220823-LCB	8/23/22	1045	WP	1			X	
22									
23									
24									
25									
26									
27									
28									
29									
30									

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure A

Collected from High Occupancy zone of Hanagar

Collected from High Occupancy zone of Hanagar

Collected from High Occupancy zone of Hanagar

Collected from High Occupancy zone of Hanagar

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TKnight	Tyler Sinnott	Rincon / Envi. Scientist	8/23/22 / 1429
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	8/23/22 14:39
2 Relinquished By:	Audrey Hudson	"	"	8/23/22 15:55
2 Received By:				8/23/22 15:55
3 Relinquished By:				8/23/22 17:22
3 Received By:				8/24/22 08:3

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 467872 Client: Kinder

Date Received: 8/23/22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No (**skip Section 3 below**)

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☑ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 8/23/22 By (print) MM (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☑ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☑ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 8/23/22 **By (print)** MM **(sign)** _____

Date Labeled 8/23/22 **By (print)** MM **(sign)** _____

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants, Inc Project: Hangar 1 - NCTRA WP / 158 Cody Road, Mountain View, CA

Date Received: 8/24/2022 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 2.5 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: Greyhound

Section 3

Was the cooler packed with: ☐ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.5 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____ ☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yanira Date: 8/24/2022

Enthalpy Analytical, a subsidiary of Montrose Environmental Group, Inc.
931 W. Barkley Ave, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 538-1209
www.enthalpy.com/sacal

5/2.5

c/0.5

Results & QC Summary

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467872 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.1GE-DG-4 TO 17-220823-P-LA **Batch#:** 295631 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 8082

Lab ID: 467872-001 **Received:** 08/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

Diln Fac: 1.000 **Analyzed:** 08/26/22

467872-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467872-001 Surrogate	%REC	Limits
TCMX (PCB)	81	52-186
Decachlorobiphenyl (PCB)	51	50-150

Field ID: DOOR-N-0.3GE-EXT-3 TO 4-220823-P-CB **Batch#:** 295631 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 8082

Lab ID: 467872-003 **Received:** 08/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

Diln Fac: 1.000 **Analyzed:** 08/26/22

467872-003 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467872-003 Surrogate	%REC	Limits
TCMX (PCB)	92	52-186
Decachlorobiphenyl (PCB)	57	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467872 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.4GE-INT-17 TO 18-220823-P-CB **Batch#:** 295631 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 8082
Lab ID: 467872-005 **Received:** 08/23/22 **Analyst:** TRN
Matrix: Wipe **Prepared:** 08/24/22
DiIn Fac: 1.000 **Analyzed:** 08/26/22

467872-005 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467872-005 Surrogate	%REC	Limits
TCMX (PCB)	99	52-186
Decachlorobiphenyl (PCB)	79	50-150

Field ID: DOOR-N-0.5GE-DG-4 TO 17-220823-P-LA **Batch#:** 295631 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 8082
Lab ID: 467872-007 **Received:** 08/23/22 **Analyst:** TRN
Matrix: Wipe **Prepared:** 08/24/22
DiIn Fac: 1.000 **Analyzed:** 08/26/22

467872-007 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467872-007 Surrogate	%REC	Limits
TCMX (PCB)	100	52-186
Decachlorobiphenyl (PCB)	73	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467872 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.5GE-DG-4 TO 17-220823-P-DUP-LA **Batch#:** 295631 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 8082

Lab ID: 467872-008 **Received:** 08/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

DiIn Fac: 1.000 **Analyzed:** 08/27/22

467872-008 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467872-008 Surrogate	%REC	Limits
TCMX (PCB)	102	52-186
Decachlorobiphenyl (PCB)	74	50-150

Field ID: DOOR-N-0.1GE-PS-17-220823-P-G **Batch#:** 295631 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 8082

Lab ID: 467872-010 **Received:** 08/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

DiIn Fac: 1.000 **Analyzed:** 08/27/22

467872-010 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467872-010 Surrogate	%REC	Limits
TCMX (PCB)	94	52-186
Decachlorobiphenyl (PCB)	72	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467872 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.2GE-DG-3 TO 16-220823-P-LA **Batch#:** 295631 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 8082

Lab ID: 467872-012 **Received:** 08/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

Diln Fac: 1.000 **Analyzed:** 08/27/22

467872-012 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467872-012 Surrogate	%REC	Limits
TCMX (PCB)	75	52-186
Decachlorobiphenyl (PCB)	62	50-150

Field ID: DOOR-N-0.2GE-INT-1 TO 16-220823-P-CB **Batch#:** 295631 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 8082

Lab ID: 467872-014 **Received:** 08/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

Diln Fac: 1.000 **Analyzed:** 08/27/22

467872-014 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467872-014 Surrogate	%REC	Limits
TCMX (PCB)	84	52-186
Decachlorobiphenyl (PCB)	65	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467872 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.3GE-INT-16 TO 17-220823-P-CB **Batch#:** 295631 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 8082

Lab ID: 467872-016 **Received:** 08/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

Diln Fac: 1.000 **Analyzed:** 08/27/22

467872-016 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467872-016 Surrogate	%REC	Limits
TCMX (PCB)	95	52-186
Decachlorobiphenyl (PCB)	74	50-150

Field ID: DOOR-N-0.3GE-DG-2 TO 16-220823-P-LA **Batch#:** 295631 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 8082

Lab ID: 467872-018 **Received:** 08/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

Diln Fac: 1.000 **Analyzed:** 08/27/22

467872-018 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467872-018 Surrogate	%REC	Limits
TCMX (PCB)	92	52-186
Decachlorobiphenyl (PCB)	79	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467872 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.4GE-DG-3 TO 17-220823-P-LA **Batch#:** 295631 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 8082
Lab ID: 467872-020 **Received:** 08/23/22 **Analyst:** TRN
Matrix: Wipe **Prepared:** 08/24/22
Dil n Fac: 1.000 **Analyzed:** 08/27/22

467872-020 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467872-020 Surrogate	%REC	Limits
TCMX (PCB)	97	52-186
Decachlorobiphenyl (PCB)	75	50-150

Field ID: DOOR-N-0.4GE-EXT-2 TO 3-220823-P-CB **Batch#:** 295631 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 8082
Lab ID: 467872-022 **Received:** 08/23/22 **Analyst:** TRN
Matrix: Wipe **Prepared:** 08/24/22
Dil n Fac: 1.000 **Analyzed:** 08/27/22

467872-022 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467872-022 Surrogate	%REC	Limits
TCMX (PCB)	105	52-186
Decachlorobiphenyl (PCB)	76	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467872 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.5GE-PS-17-220823-P-G **Batch#:** 295631 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 8082

Lab ID: 467872-024 **Received:** 08/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

Dil Fac: 1.000 **Analyzed:** 08/27/22

467872-024 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467872-024 Surrogate	%REC	Limits
TCMX (PCB)	96	52-186
Decachlorobiphenyl (PCB)	79	50-150

Field ID: DOOR-N-0.5GE-INT-16 TO 17-220823-P-CB **Batch#:** 295631 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 8082

Lab ID: 467872-026 **Received:** 08/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

Dil Fac: 1.000 **Analyzed:** 08/27/22

467872-026 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467872-026 Surrogate	%REC	Limits
TCMX (PCB)	94	52-186
Decachlorobiphenyl (PCB)	84	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467872 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C1E-MED-L1-HS-3-220823-P-A **Batch#:** 295631 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 8082

Lab ID: 467872-029 **Received:** 08/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

DiIn Fac: 1.000 **Analyzed:** 08/27/22

467872-029 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467872-029 Surrogate	%REC	Limits
TCMX (PCB)	78	52-186
Decachlorobiphenyl (PCB)	65	50-150

Field ID: AFRAME-C1E-LAT-L1-EXT-0 TO 1-220823-P-WF **Batch#:** 295631 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 8082

Lab ID: 467872-031 **Received:** 08/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

DiIn Fac: 1.000 **Analyzed:** 08/29/22

467872-031 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467872-031 Surrogate	%REC	Limits
TCMX (PCB)	68	52-186
Decachlorobiphenyl (PCB)	59	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467872 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.4GE-DG-3 TO 16-220823-P-LA **Batch#:** 295631 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 8082

Lab ID: 467872-033 **Received:** 08/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

DiIn Fac: 1.000 **Analyzed:** 08/27/22

467872-033 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467872-033 Surrogate	%REC	Limits
TCMX (PCB)	93	52-186
Decachlorobiphenyl (PCB)	78	50-150

Field ID: DOOR-N-0.4GE-DG-3 TO 16-220823-P-DUP-LA **Batch#:** 295631 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 8082

Lab ID: 467872-034 **Received:** 08/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

DiIn Fac: 1.000 **Analyzed:** 08/27/22

467872-034 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467872-034 Surrogate	%REC	Limits
TCMX (PCB)	104	52-186
Decachlorobiphenyl (PCB)	93	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467872 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.3GE-PS-17-220823-P-G **Batch#:** 295631 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 8082

Lab ID: 467872-036 **Received:** 08/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

Diln Fac: 1.000 **Analyzed:** 08/27/22

467872-036 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467872-036 Surrogate	%REC	Limits
TCMX (PCB)	98	52-186
Decachlorobiphenyl (PCB)	73	50-150

Field ID: DOOR-N-0.3GE-PS-17-220823-P-DUP-G **Batch#:** 295631 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 8082

Lab ID: 467872-037 **Received:** 08/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

Diln Fac: 1.000 **Analyzed:** 08/27/22

467872-037 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467872-037 Surrogate	%REC	Limits
TCMX (PCB)	95	52-186
Decachlorobiphenyl (PCB)	90	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467872 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.1GE-DG-2 TO 16-220823-P-LA **Batch#:** 295632 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 8082

Lab ID: 467872-039 **Received:** 08/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

Dil n Fac: 1.000 **Analyzed:** 08/26/22

467872-039 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467872-039 Surrogate	%REC	Limits
TCMX (PCB)	83	52-186
Decachlorobiphenyl (PCB)	56	50-150

Field ID: DOOR-N-0.2GE-EXT-3 TO 4-220823-P-CB **Batch#:** 295632 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 8082

Lab ID: 467872-041 **Received:** 08/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

Dil n Fac: 1.000 **Analyzed:** 08/26/22

467872-041 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467872-041 Surrogate	%REC	Limits
TCMX (PCB)	78	52-186
Decachlorobiphenyl (PCB)	63	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467872 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 220823-P-MEDBLANK1 **Batch#:** 295632 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 8082

Lab ID: 467872-044 **Received:** 08/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

DiIn Fac: 1.000 **Analyzed:** 08/26/22

467872-044 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467872-044 Surrogate	%REC	Limits
TCMX (PCB)	75	52-186
Decachlorobiphenyl (PCB)	52	50-150

Field ID: 220823-P-MEDBLANK2 **Batch#:** 295632 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 8082

Lab ID: 467872-046 **Received:** 08/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

DiIn Fac: 1.000 **Analyzed:** 08/26/22

467872-046 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467872-046 Surrogate	%REC	Limits
TCMX (PCB)	87	52-186
Decachlorobiphenyl (PCB)	54	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467872 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.1GE-EXT-2 TO 3-220823-P-CB **Batch#:** 295632 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 8082

Lab ID: 467872-048 **Received:** 08/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

DiIn Fac: 1.000 **Analyzed:** 08/26/22

467872-048 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467872-048 Surrogate	%REC	Limits
TCMX (PCB)	80	52-186
Decachlorobiphenyl (PCB)	51	50-150

Type: BLANK **Batch#:** 295631 **Analysis:** EPA 8082

Lab ID: QC1008491 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1008491 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1008491 Surrogate	%REC	Limits
TCMX (PCB)	103	52-186
Decachlorobiphenyl (PCB)	65	60-140

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467872 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 295632 **Analysis:** EPA 8082

Lab ID: QC1008494 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1008494 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1008494 Surrogate	%REC	Limits
TCMX (PCB)	92	52-186
Decachlorobiphenyl (PCB)	74	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 467872 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295631 **Analysis:** EPA 8082

Lab ID: QC1008492 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1008492 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.466	109	60-140	ug/100 cm2
Aroclor-1260	5.000	4.935	99	60-140	ug/100 cm2

QC1008492 Surrogate	%REC	Limits
TCMX (PCB)	103	52-186
Decachlorobiphenyl (PCB)	65	60-140

Type: BSD **Batch#:** 295631 **Analysis:** EPA 8082

Lab ID: QC1008493 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1008493 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.375	107	60-140	ug/100 cm2	2	20
Aroclor-1260	5.000	4.913	98	60-140	ug/100 cm2	0	20

QC1008493 Surrogate	%REC	Limits
TCMX (PCB)	100	52-186
Decachlorobiphenyl (PCB)	64	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 467872 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295632 **Analysis:** EPA 8082

Lab ID: QC1008495 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1008495 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.095	102	60-140	ug/100 cm2
Aroclor-1260	5.000	5.648	113	60-140	ug/100 cm2

QC1008495 Surrogate	%REC	Limits
TCMX (PCB)	83	52-186
Decachlorobiphenyl (PCB)	79	60-140

Type: BSD **Batch#:** 295632 **Analysis:** EPA 8082

Lab ID: QC1008496 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1008496 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.690	114	60-140	ug/100 cm2	11	20
Aroclor-1260	5.000	6.161	123	60-140	ug/100 cm2	9	20

QC1008496 Surrogate	%REC	Limits
TCMX (PCB)	97	52-186
Decachlorobiphenyl (PCB)	88	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 467872 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_041422015	452150634015		14-APR-2022 18:41	S16585 (100X), S16100 (250X)
L2	gc06_041422016	452150634016		14-APR-2022 18:58	S16585 (40X), S16100 (250X)
L3	gc06_041422017	452150634017		14-APR-2022 19:16	S16585 (20X), S16100 (250X)
L4	gc06_041422018	452150634018		14-APR-2022 19:33	S16585 (8X), S16100 (250X)
L5	gc06_041422019	452150634019		14-APR-2022 19:51	S16585 (4X), S16100 (250X)
L6	gc06_041422020	452150634020		14-APR-2022 20:09	S16585 (2.667X), S16100 (250X)
L7	gc06_041422021	452150634021		14-APR-2022 20:26	S16585 (2X), S16100 (250X)
L8	gc06_041422022	452150634022		14-APR-2022 20:44	S16585 (1.33X), S16100 (250X)
L9	gc06_041422023	452150634023		14-APR-2022 21:01	S16585, S16100 (250X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		51.1278		0.0196	12	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		23.4813		0.0426	17	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		19.9522		0.0501	7	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		26.6618		0.0375	10	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		34.4669		0.0290	13	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		15.8917		0.0629	17	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		10.3178		0.0969	16	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		9.92526		0.1008	11	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		19.9568		0.0501	14	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		15.0787		0.0663	10	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.65776		1.5203	11	9	.99	20	
TCMX (PCB)	A	AVRG		1.03976		0.9618	12	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		53.4063		0.0187	13	8	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		25.7342		0.0389	10	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		19.5135		0.0512	8	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		28.7624		0.0348	10	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		36.7890		0.0272	8	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		16.5241		0.0605	17	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		14.3009		0.0699	15	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		10.5262		0.0950	13	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		19.4527		0.0514	13	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		13.1942		0.0758	14	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.82881		1.2065	11	9	.99	20	
TCMX (PCB)	B	AVRG		1.09191		0.9158	4	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 467872 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0231	0.0227	0.0209	0.0201	0.0187	0.0179	0.0181	0.0177	0.0170
Aroclor-1016 Peak # 2	A	0.0579	0.0492	0.0459	0.0411	0.0401	0.0377	0.0380	0.0376	0.0358
Aroclor-1016 Peak # 3	A	0.0556	0.0544	0.0533	0.0502	0.0495	0.0465	0.0475	0.0478	0.0462
Aroclor-1016 Peak # 4	A	0.0452	0.0402	0.0403	0.0373	0.0367	0.0344	0.0348	0.0349	0.0336
Aroclor-1016 Peak # 5	A	0.0366	0.0313	0.0318	0.0288	0.0282	0.0260	0.0265	0.0266	0.0254
Aroclor-1260 Peak # 1	A	0.0863	0.0696	0.0704	0.0605	0.0604	0.0546	0.0553	0.0564	0.0528
Aroclor-1260 Peak # 2	A	0.1290	0.1076	0.1081	0.0929	0.0932	0.0843	0.0856	0.0887	0.0829
Aroclor-1260 Peak # 3	A	0.1233	0.1080	0.1086	0.0954	0.0970	0.0903	0.0930	0.0985	0.0928
Aroclor-1260 Peak # 4	A	0.0649	0.0543	0.0546	0.0479	0.0490	0.0442	0.0449	0.0473	0.0440
Aroclor-1260 Peak # 5	A	0.0797	0.0687	0.0724	0.0626	0.0650	0.0598	0.0618	0.0654	0.0615
Decachlorobiphenyl (PCB)	A	1.7379	1.5882	1.7199	1.5711	1.6300	1.3467	1.3670	1.4227	1.2993
TCMX (PCB)	A	1.2458	1.0303	0.9495	0.8937	0.9019	0.8810	0.9149	0.9235	0.9152
Aroclor-1016 Peak # 1	B		0.0232	0.0215	0.0191	0.0183	0.0172	0.0173	0.0168	0.0162
Aroclor-1016 Peak # 2	B	0.0444	0.0428	0.0426	0.0397	0.0384	0.0360	0.0363	0.0355	0.0340
Aroclor-1016 Peak # 3	B	0.0572	0.0573	0.0541	0.0510	0.0506	0.0471	0.0486	0.0480	0.0473
Aroclor-1016 Peak # 4	B	0.0420	0.0372	0.0371	0.0352	0.0341	0.0320	0.0325	0.0320	0.0309
Aroclor-1016 Peak # 5	B	0.0313	0.0295	0.0290	0.0271	0.0270	0.0252	0.0256	0.0255	0.0245
Aroclor-1260 Peak # 1	B	0.0820	0.0682	0.0674	0.0585	0.0578	0.0528	0.0531	0.0540	0.0509
Aroclor-1260 Peak # 2	B	0.0913	0.0772	0.0777	0.0683	0.0672	0.0613	0.0623	0.0639	0.0601
Aroclor-1260 Peak # 3	B	0.1205	0.1032	0.1035	0.0913	0.0919	0.0839	0.0860	0.0896	0.0852
Aroclor-1260 Peak # 4	B	0.0648	0.0555	0.0557	0.0505	0.0510	0.0461	0.0439	0.0490	0.0462
Aroclor-1260 Peak # 5	B	0.0991	0.0829	0.0833	0.0720	0.0729	0.0663	0.0670	0.0713	0.0673
Decachlorobiphenyl (PCB)	B	1.4005	1.2744	1.3672	1.2436	1.2790	1.0642	1.0803	1.1172	1.0325
TCMX (PCB)	B	1.0035	0.9180	0.8869	0.8884	0.9009	0.8817	0.9159	0.9229	0.9244

ENTHALPY INITIAL CALIBRATION FOR 467872 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	18	50.000	16	100.00	7	250.00	3	500.00	-4	749.91	-9	1000.0	-8	1503.8	-10
Aroclor-1016 Peak # 2	A	20.000	**36**	50.000	15	100.00	8	250.00	-3	500.00	-6	749.91	-11	1000.0	-11	1503.8	-12
Aroclor-1016 Peak # 3	A	20.000	11	50.000	9	100.00	6	250.00	0	500.00	-1	749.91	-7	1000.0	-5	1503.8	-5
Aroclor-1016 Peak # 4	A	20.000	**21**	50.000	7	100.00	8	250.00	-1	500.00	-2	749.91	-8	1000.0	-7	1503.8	-7
Aroclor-1016 Peak # 5	A	20.000	**26**	50.000	8	100.00	9	250.00	-1	500.00	-3	749.91	-11	1000.0	-9	1503.8	-8
Aroclor-1260 Peak # 1	A	20.000	**37**	50.000	11	100.00	12	250.00	-4	500.00	-4	749.91	-13	1000.0	-12	1503.8	-10
Aroclor-1260 Peak # 2	A	20.000	**33**	50.000	11	100.00	11	250.00	-4	500.00	-4	749.91	-13	1000.0	-12	1503.8	-8
Aroclor-1260 Peak # 3	A	20.000	**22**	50.000	7	100.00	8	250.00	-5	500.00	-4	749.91	-10	1000.0	-8	1503.8	-2
Aroclor-1260 Peak # 4	A	20.000	**29**	50.000	8	100.00	9	250.00	-4	500.00	-2	749.91	-12	1000.0	-10	1503.8	-6
Aroclor-1260 Peak # 5	A	20.000	20	50.000	4	100.00	9	250.00	-6	500.00	-2	749.91	-10	1000.0	-7	1503.8	-1
Decachlorobiphenyl (PCB)	A	0.8000	14	2.0000	4	4.0000	13	10.000	3	20.000	7	29.996	-11	40.000	-10	60.150	-6
TCMX (PCB)	A	0.8000	**30**	2.0000	7	4.0000	-1	10.000	-7	20.000	-6	29.996	-8	40.000	-5	60.150	-4
Aroclor-1016 Peak # 1	B			50.000	**24**	100.00	15	250.00	2	500.00	-2	749.91	-8	1000.0	-8	1503.8	-10
Aroclor-1016 Peak # 2	B	20.000	14	50.000	10	100.00	10	250.00	2	500.00	-1	749.91	-7	1000.0	-7	1503.8	-9
Aroclor-1016 Peak # 3	B	20.000	12	50.000	12	100.00	6	250.00	0	500.00	-1	749.91	-8	1000.0	-5	1503.8	-6
Aroclor-1016 Peak # 4	B	20.000	**21**	50.000	7	100.00	7	250.00	1	500.00	-2	749.91	-8	1000.0	-6	1503.8	-8
Aroclor-1016 Peak # 5	B	20.000	15	50.000	8	100.00	7	250.00	0	500.00	-1	749.91	-7	1000.0	-6	1503.8	-6
Aroclor-1260 Peak # 1	B	20.000	**35**	50.000	13	100.00	11	250.00	-3	500.00	-4	749.91	-13	1000.0	-12	1503.8	-11
Aroclor-1260 Peak # 2	B	20.000	**31**	50.000	10	100.00	11	250.00	-2	500.00	-4	749.91	-12	1000.0	-11	1503.8	-9
Aroclor-1260 Peak # 3	B	20.000	**27**	50.000	9	100.00	9	250.00	-4	500.00	-3	749.91	-12	1000.0	-10	1503.8	-6
Aroclor-1260 Peak # 4	B	20.000	**26**	50.000	8	100.00	8	250.00	-2	500.00	-1	749.91	-10	1000.0	-15	1503.8	-5
Aroclor-1260 Peak # 5	B	20.000	**31**	50.000	9	100.00	10	250.00	-5	500.00	-4	749.91	-13	1000.0	-12	1503.8	-6
Decachlorobiphenyl (PCB)	B	0.8000	16	2.0000	6	4.0000	13	10.000	3	20.000	6	29.996	-12	40.000	-10	60.150	-7
TCMX (PCB)	B	0.8000	10	2.0000	0	4.0000	-3	10.000	-3	20.000	-2	29.996	-4	40.000	0	60.150	1

ENTHALPY INITIAL CALIBRATION FOR 467872 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-13
Aroclor-1016 Peak # 2	A	2000.0	-16
Aroclor-1016 Peak # 3	A	2000.0	-8
Aroclor-1016 Peak # 4	A	2000.0	-10
Aroclor-1016 Peak # 5	A	2000.0	-12
Aroclor-1260 Peak # 1	A	2000.0	-16
Aroclor-1260 Peak # 2	A	2000.0	-14
Aroclor-1260 Peak # 3	A	2000.0	-8
Aroclor-1260 Peak # 4	A	2000.0	-12
Aroclor-1260 Peak # 5	A	2000.0	-7
Decachlorobiphenyl (PCB)	A	80.000	-15
TCMX (PCB)	A	80.000	-5
Aroclor-1016 Peak # 1	B	2000.0	-14
Aroclor-1016 Peak # 2	B	2000.0	-12
Aroclor-1016 Peak # 3	B	2000.0	-8
Aroclor-1016 Peak # 4	B	2000.0	-11
Aroclor-1016 Peak # 5	B	2000.0	-10
Aroclor-1260 Peak # 1	B	2000.0	-16
Aroclor-1260 Peak # 2	B	2000.0	-14
Aroclor-1260 Peak # 3	B	2000.0	-10
Aroclor-1260 Peak # 4	B	2000.0	-10
Aroclor-1260 Peak # 5	B	2000.0	-11
Decachlorobiphenyl (PCB)	B	80.000	-14
TCMX (PCB)	B	80.000	1

TJW 04/15/22 : Manually integrated due to baseline corrections for all channels in multiple levels

Analyst: TJW 04/15/22

Reviewer: LW 04/15/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 467872 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_041422_1
Calnum:	452150634002	Cal Date:	14-APR-2022

- ICV 452150634025 (gc06_041422025 14-APR-2022) stds: S16736

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	470.1	ug/L	-6	15	
Aroclor-1260	A	500.0	484.1	ug/L	-3	15	
Aroclor-1016	B	500.0	481.4	ug/L	-4	15	
Aroclor-1260	B	500.0	486.3	ug/L	-3	15	

-

Analyst: TJW 04/15/22 **Reviewer:** LW 04/15/22

ENTHALPY CONTINUING CALIBRATION FOR 467872 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452343556002	File:	gc06_082622002	Time:	26-AUG-2022 13:56
Cal:	452150634002	Caldate:	14-APR-2022		

Standards: S17055

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	550.8	ug/L	10	15	0.0000	
Aroclor-1260	A			500.0	569.3	ug/L	14	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.5203	1.7501	20.00	23.02	ug/L	15	15	0.0000	
TCMX (PCB)	A	0.9618	1.9034	20.00	39.58	ug/L	**98**	15	0.0000	c+
Aroclor-1016	B			500.0	579.5	ug/L	**16**	15	0.0000	**c+** ***
Aroclor-1260	B			500.0	605.4	ug/L	**21**	15	0.0000	**c+** ***
Decachlorobiphenyl (PCB)	B	1.2065	1.6012	20.00	26.54	ug/L	**33**	15	0.0000	c+
TCMX (PCB)	B	0.9158	1.9823	20.00	43.29	ug/L	**116**	15	0.0000	c+

ISTD (ICAL gc06_041422016)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6493014	8218495	26.57
1-bromo-2-nitrobenzene (PCB)	A	1831488	1919479	4.80

TRN 08/26/22 : Report from CH A

+=high bias c=CCV

Analyst: TRN 08/26/22 **Reviewer:** SLL 08/29/22

ENTHALPY CONTINUING CALIBRATION FOR 467872 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452343556054	File:	gc06_082622054	Time:	27-AUG-2022 05:11
Cal:	452150634002	Caldate:	14-APR-2022		

Standards: S17055

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	577.5	ug/L	15	15	0.0000	
Aroclor-1260	A			500.0	592.6	ug/L	**19**	15	0.0000	**c+** ***
Decachlorobiphenyl (PCB)	A	1.5203	1.7405	20.00	22.90	ug/L	14	15	0.0000	
TCMX (PCB)	A	0.9618	1.9480	20.00	40.51	ug/L	**103**	15	0.0000	c+
Aroclor-1016	B			500.0	608.6	ug/L	**22**	15	0.0000	**c+** ***
Aroclor-1260	B			500.0	646.6	ug/L	**29**	15	0.0000	**c+** ***
Decachlorobiphenyl (PCB)	B	1.2065	1.6810	20.00	27.86	ug/L	**39**	15	0.0000	c+
TCMX (PCB)	B	0.9158	2.0322	20.00	44.38	ug/L	**122**	15	0.0000	c+

ISTD (ICAL gc06_041422016)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6493014	9640442	48.47
1-bromo-2-nitrobenzene (PCB)	A	1831488	1993573	8.85

TRN 08/29/22 : Report sample ND CH A

+=high bias c=CCV

Analyst: TRN 08/29/22 **Reviewer:** SLL 08/30/22

ENTHALPY CONTINUING CALIBRATION FOR 467872 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452348138002	File:	gc06_082922002	Time:	29-AUG-2022 18:18
Cal:	452150634002	Caldate:	14-APR-2022		

Standards: S17055

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	462.3	ug/L	-8	15	0.0000	
Aroclor-1260	A			500.0	437.3	ug/L	-13	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.5203	1.2581	20.00	16.55	ug/L	**-17**	15	0.0000	c-
TCMX (PCB)	A	0.9618	1.6406	20.00	34.12	ug/L	**71**	15	0.0000	c+
Aroclor-1016	B			500.0	483.7	ug/L	-3	15	0.0000	
Aroclor-1260	B			500.0	476.2	ug/L	-5	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2065	1.2644	20.00	20.96	ug/L	5	15	0.0000	
TCMX (PCB)	B	0.9158	1.6365	20.00	35.74	ug/L	**79**	15	0.0000	c+

ISTD (ICAL gc06_041422016)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6493014	4927157	-24.12
1-bromo-2-nitrobenzene (PCB)	A	1831488	1411407	-22.94

+=high bias -=low bias c=CCV

Analyst: TRN 08/30/22

Reviewer: SLL 08/30/22

Enthalpy Internal Standard Summary for Sequence 452343556

Date:	08/26/22	Reference:	gc06_041422016
Sequence:	SVOA-GC06 gc06_082622	Analyzed:	04/14/22 18:58

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	6493014	1831488
		LOWER LIMIT	3246507	915744
		UPPER LIMIT	12986028	3662976
002	CCV		8218495	1919479
054	CCV		9640442	1993573

Enthalpy Internal Standard Summary for Sequence 452343556

Date:	08/26/22	Reference:	gc06_082622002
Sequence:	SVOA-GC06 gc06_082622	Analyzed:	08/26/22 13:56

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	8218495	1919479
		LOWER LIMIT	4109247	959740
		UPPER LIMIT	16436989	3838958
004	SAMPLE	467774-005	3485 *	706 *
006	SAMPLE	467774-005	19114025 *	3817896
013	BLANK	QC1008494	10776439	2035190
014	BS	QC1008495	9631063	1765534
015	BSD	QC1008496	8789073	1599891
016	SAMPLE	467767-001	7402786	1492388
017	SAMPLE	467769-004	7173330	1417500
018	SAMPLE	467771-001	8084283	1602079
019	SAMPLE	467771-003	8704926	1713222
020	SAMPLE	467771-005	8868625	1726643
021	SAMPLE	467771-007	25654111 *	4986268 *
022	SAMPLE	467774-001	26203321 *	5088749 *
023	SAMPLE	467774-003	10056210	1995906
024	SAMPLE	467774-007	24316230 *	4621759 *
025	SAMPLE	467872-039	8592765	1664480
026	SAMPLE	467872-041	8065302	1581957
027	SAMPLE	467872-044	16256538	3118391
028	SAMPLE	467872-046	8655156	1701107
029	SAMPLE	467872-048	8784782	1730339
030	BLANK	QC1008491	8469873	1541915
031	BS	QC1008492	7747147	1544213
032	BSD	QC1008493	7674423	1573816
033	SAMPLE	467872-001	7918075	1559928
034	SAMPLE	467872-003	8533392	1634001
035	SAMPLE	467872-005	9827992	1840514
036	SAMPLE	467872-007	7714453	1457825
037	SAMPLE	467872-008	10457717	1942460
038	SAMPLE	467872-010	7831157	1486306
039	SAMPLE	467872-012	6840643	1340797
040	SAMPLE	467872-014	7589971	1402635
041	SAMPLE	467872-016	9279861	1756314
042	SAMPLE	467872-018	8125603	1506070

Enthalpy Internal Standard Summary for Sequence 452343556

Date: 08/26/22 Reference: gc06_082622002
Sequence: SVOA-GC06 gc06_082622 Analyzed: 08/26/22 13:56

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.13	4.36
		LOWER LIMIT	3.93	4.16
		UPPER LIMIT	4.33	4.56
004	SAMPLE	467774-005	4.12	4.28
006	SAMPLE	467774-005	4.13	4.36
013	BLANK	QC1008494	4.13	4.36
014	BS	QC1008495	4.13	4.36
015	BSD	QC1008496	4.13	4.36
016	SAMPLE	467767-001	4.12	4.36
017	SAMPLE	467769-004	4.12	4.36
018	SAMPLE	467771-001	4.13	4.36
019	SAMPLE	467771-003	4.13	4.36
020	SAMPLE	467771-005	4.12	4.36
021	SAMPLE	467771-007	4.12	4.36
022	SAMPLE	467774-001	4.12	4.35
023	SAMPLE	467774-003	4.12	4.35
024	SAMPLE	467774-007	4.13	4.36
025	SAMPLE	467872-039	4.12	4.36
026	SAMPLE	467872-041	4.12	4.36
027	SAMPLE	467872-044	4.13	4.36
028	SAMPLE	467872-046	4.13	4.36
029	SAMPLE	467872-048	4.12	4.36
030	BLANK	QC1008491	4.12	4.36
031	BS	QC1008492	4.12	4.36
032	BSD	QC1008493	4.13	4.36
033	SAMPLE	467872-001	4.12	4.36
034	SAMPLE	467872-003	4.12	4.36
035	SAMPLE	467872-005	4.12	4.36
036	SAMPLE	467872-007	4.12	4.36
037	SAMPLE	467872-008	4.12	4.36
038	SAMPLE	467872-010	4.12	4.36
039	SAMPLE	467872-012	4.12	4.36
040	SAMPLE	467872-014	4.12	4.36
041	SAMPLE	467872-016	4.12	4.36
042	SAMPLE	467872-018	4.12	4.36

Enthalpy Internal Standard Summary for Sequence 452343556

Date:	08/26/22	Reference:	gc06_082622054
Sequence:	SVOA-GC06 gc06_082622	Analyzed:	08/27/22 05:11

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	9640442	1993573
		LOWER LIMIT	4820221	996787
		UPPER LIMIT	19280884	3987147
062	SAMPLE	467872-020	10913104	2014615
063	SAMPLE	467872-022	11468342	2043107
064	SAMPLE	467872-024	7262396	1403200
065	SAMPLE	467872-026	7333718	1385792
066	SAMPLE	467872-029	7973240	1509062
067	SAMPLE	467872-031	9463 *	1905 *
068	SAMPLE	467872-033	7808094	1397256
069	SAMPLE	467872-034	7060125	1281278
070	SAMPLE	467872-036	7997702	1447019
071	SAMPLE	467872-037	6656540	1227626

Enthalpy Internal Standard Summary for Sequence 452343556

Date:	08/26/22	Reference:	gc06_082622054
Sequence:	SVOA-GC06 gc06_082622	Analyzed:	08/27/22 05:11

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.12	4.36
		LOWER LIMIT	3.92	4.16
		UPPER LIMIT	4.32	4.56
062	SAMPLE	467872-020	4.12	4.36
063	SAMPLE	467872-022	4.12	4.35
064	SAMPLE	467872-024	4.12	4.35
065	SAMPLE	467872-026	4.12	4.35
066	SAMPLE	467872-029	4.12	4.35
067	SAMPLE	467872-031	4.13	4.36
068	SAMPLE	467872-033	4.12	4.35
069	SAMPLE	467872-034	4.12	4.35
070	SAMPLE	467872-036	4.12	4.36
071	SAMPLE	467872-037	4.12	4.36

Enthalpy Internal Standard Summary for Sequence 452348138

Date:	08/29/22	Reference:	gc06_041422016
Sequence:	SVOA-GC06 gc06_082922	Analyzed:	04/14/22 18:58

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	6493014	1831488
		LOWER LIMIT	3246507	915744
		UPPER LIMIT	12986028	3662976
002	CCV		4927157	1411407

Enthalpy Internal Standard Summary for Sequence 452348138

Date:	08/29/22	Reference:	gc06_082922002
Sequence:	SVOA-GC06 gc06_082922	Analyzed:	08/29/22 18:18

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4927157	1411407
		LOWER LIMIT	2463578	705704
		UPPER LIMIT	9854313	2822815
008	SAMPLE	467771-007	4587783	1187586
009	SAMPLE	467774-001	4300924	1120625
010	SAMPLE	467774-007	4383286	1120854
011	SAMPLE	467872-031	4187435	1052884

Enthalpy Internal Standard Summary for Sequence 452348138

Date:	08/29/22	Reference:	gc06_082922002
Sequence:	SVOA-GC06 gc06_082922	Analyzed:	08/29/22 18:18

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.12	4.36
		LOWER LIMIT	3.92	4.16
		UPPER LIMIT	4.32	4.56
008	SAMPLE	467771-007	4.12	4.36
009	SAMPLE	467774-001	4.12	4.36
010	SAMPLE	467774-007	4.12	4.36
011	SAMPLE	467872-031	4.12	4.36

Enthalpy Sequence Summary for Sequence 452150634

Instrument: SVOA-GC06 Begun: 04/14/22 14:34
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	gc06_041422001	UNKNOWN	HEXANE			04/14/22 14:34	1.0	1	4:DDD44=1100
002	gc06_041422002	PEM				04/14/22 14:52	1.0	2	
003	gc06_041422003	UNKNOWN	HEXANE			04/14/22 15:10	1.0	1	3:GCHLORDANE=5600
004	gc06_041422004	ICAL				04/14/22 15:27	1.0	3 4	
005	gc06_041422005	ICAL				04/14/22 15:45	1.0	3 4	
006	gc06_041422006	ICAL				04/14/22 16:02	1.0	3 4	
007	gc06_041422007	ICAL				04/14/22 16:20	1.0	3 4	
008	gc06_041422008	ICAL				04/14/22 16:38	1.0	3 4	
009	gc06_041422009	ICAL				04/14/22 16:55	1.0	3 4	
010	gc06_041422010	ICAL				04/14/22 17:13	1.0	3 4	
011	gc06_041422011	ICAL				04/14/22 17:30	1.0	3 4	
012	gc06_041422012	UNKNOWN	HEXANE			04/14/22 17:48	1.0	1	2:GCHLORDANE=4300
013	gc06_041422013	ICV				04/14/22 18:05	1.0	5	
014	gc06_041422014	UNKNOWN	HEXANE			04/14/22 18:23	1.0	1	
015	gc06_041422015	ICAL				04/14/22 18:41	1.0	6 4	
016	gc06_041422016	ICAL				04/14/22 18:58	1.0	6 4	
017	gc06_041422017	ICAL				04/14/22 19:16	1.0	6 4	
018	gc06_041422018	ICAL				04/14/22 19:33	1.0	6 4	
019	gc06_041422019	ICAL				04/14/22 19:51	1.0	6 4	
020	gc06_041422020	ICAL				04/14/22 20:09	1.0	6 4	
021	gc06_041422021	ICAL				04/14/22 20:26	1.0	6 4	
022	gc06_041422022	ICAL				04/14/22 20:44	1.0	6 4	
023	gc06_041422023	ICAL				04/14/22 21:01	1.0	6 4	
024	gc06_041422024	UNKNOWN	HEXANE			04/14/22 21:19	1.0	1	7:GCHLORDANE=44000
025	gc06_041422025	ICV				04/14/22 21:37	1.0	7	

TJW 04/15/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 1 through 25.

Standards Used:
1=S16324 2=S16226 3=S16727 4=S16100 5=S16619 6=S16585 7=S16736

Enthalpy Sequence Summary for Sequence 452343556

Instrument: SVOA-GC06 Begun: 08/26/22 13:56
Method: EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc06_082622002	CCV				08/26/22 13:56	1.0	1	
004	gc06_082622004	SAMPLE	467774-005	Wipe	295632	08/26/22 14:32	1.0	2	2:PCB1016#1=2800
006	gc06_082622006	SAMPLE	467774-005	Wipe	295632	08/26/22 14:58	1.0	2	
013	gc06_082622013	BLANK	QC1008494	Wipe	295632	08/26/22 17:17	1.0	2	
014	gc06_082622014	BS	QC1008495	Wipe	295632	08/26/22 17:35	1.0	2	
015	gc06_082622015	BSD	QC1008496	Wipe	295632	08/26/22 17:52	1.0	2	
016	gc06_082622016	SAMPLE	467767-001	Wipe	295632	08/26/22 18:10	1.0	2	
017	gc06_082622017	SAMPLE	467769-004	Wipe	295632	08/26/22 18:27	1.0	2	
018	gc06_082622018	SAMPLE	467771-001	Wipe	295632	08/26/22 18:44	1.0	2	
019	gc06_082622019	SAMPLE	467771-003	Wipe	295632	08/26/22 19:02	1.0	2	
020	gc06_082622020	SAMPLE	467771-005	Wipe	295632	08/26/22 19:19	1.0	2	
021	gc06_082622021	SAMPLE	467771-007	Wipe	295632	08/26/22 19:37	1.0	2	
022	gc06_082622022	SAMPLE	467774-001	Wipe	295632	08/26/22 19:54	1.0	2	
023	gc06_082622023	SAMPLE	467774-003	Wipe	295632	08/26/22 20:12	1.0	2	
024	gc06_082622024	SAMPLE	467774-007	Wipe	295632	08/26/22 20:29	1.0	2	
025	gc06_082622025	SAMPLE	467872-039	Wipe	295632	08/26/22 20:46	1.0	2	
026	gc06_082622026	SAMPLE	467872-041	Wipe	295632	08/26/22 21:04	1.0	2	
027	gc06_082622027	SAMPLE	467872-044	Wipe	295632	08/26/22 21:21	1.0	2	
028	gc06_082622028	SAMPLE	467872-046	Wipe	295632	08/26/22 21:39	1.0	2	
029	gc06_082622029	SAMPLE	467872-048	Wipe	295632	08/26/22 21:56	1.0	2	
030	gc06_082622030	BLANK	QC1008491	Wipe	295631	08/26/22 22:13	1.0	2	
031	gc06_082622031	BS	QC1008492	Wipe	295631	08/26/22 22:31	1.0	2	
032	gc06_082622032	BSD	QC1008493	Wipe	295631	08/26/22 22:48	1.0	2	
033	gc06_082622033	SAMPLE	467872-001	Wipe	295631	08/26/22 23:06	1.0	2	
034	gc06_082622034	SAMPLE	467872-003	Wipe	295631	08/26/22 23:23	1.0	2	
035	gc06_082622035	SAMPLE	467872-005	Wipe	295631	08/26/22 23:40	1.0	2	
036	gc06_082622036	SAMPLE	467872-007	Wipe	295631	08/26/22 23:58	1.0	2	
037	gc06_082622037	SAMPLE	467872-008	Wipe	295631	08/27/22 00:15	1.0	2	
038	gc06_082622038	SAMPLE	467872-010	Wipe	295631	08/27/22 00:33	1.0	2	
039	gc06_082622039	SAMPLE	467872-012	Wipe	295631	08/27/22 00:50	1.0	2	
040	gc06_082622040	SAMPLE	467872-014	Wipe	295631	08/27/22 01:07	1.0	2	
041	gc06_082622041	SAMPLE	467872-016	Wipe	295631	08/27/22 01:25	1.0	2	
042	gc06_082622042	SAMPLE	467872-018	Wipe	295631	08/27/22 01:42	1.0	2	
054	gc06_082622054	CCV				08/27/22 05:11	1.0	1	
062	gc06_082622062	SAMPLE	467872-020	Wipe	295631	08/27/22 07:31	1.0	2	
063	gc06_082622063	SAMPLE	467872-022	Wipe	295631	08/27/22 07:48	1.0	2	
064	gc06_082622064	SAMPLE	467872-024	Wipe	295631	08/27/22 08:06	1.0	2	
065	gc06_082622065	SAMPLE	467872-026	Wipe	295631	08/27/22 08:23	1.0	2	
066	gc06_082622066	SAMPLE	467872-029	Wipe	295631	08/27/22 08:41	1.0	2	
067	gc06_082622067	SAMPLE	467872-031	Wipe	295631	08/27/22 08:58	1.0	2	6:PCB1260#5=16000
068	gc06_082622068	SAMPLE	467872-033	Wipe	295631	08/27/22 09:15	1.0	2	
069	gc06_082622069	SAMPLE	467872-034	Wipe	295631	08/27/22 09:33	1.0	2	
070	gc06_082622070	SAMPLE	467872-036	Wipe	295631	08/27/22 09:50	1.0	2	
071	gc06_082622071	SAMPLE	467872-037	Wipe	295631	08/27/22 10:08	1.0	2	

TRN 08/29/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 71.

Standards Used:
1=S17055 2=S17010

Enthalpy Sequence Summary for Sequence 452348138

Instrument: SVOA-GC06 Begun: 08/29/22 18:18
Method: EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
002	gc06_082922002	CCV				08/29/22 18:18	1.0	1
008	gc06_082922008	SAMPLE	467771-007	Wipe	295632	08/29/22 19:34	1.0	2
009	gc06_082922009	SAMPLE	467774-001	Wipe	295632	08/29/22 19:51	1.0	2
010	gc06_082922010	SAMPLE	467774-007	Wipe	295632	08/29/22 20:09	1.0	2
011	gc06_082922011	SAMPLE	467872-031	Wipe	295631	08/29/22 20:26	1.0	2

TRN 08/30/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 11.

Standards Used:
1=S17055 2=S17010

SAMPLE PREPARATION SUMMARY

Batch # : 295631 Analysis : 8080
Started By : EPL Prep Date : 24-AUG-2022 13:45 Finished By : EPL
Method : 3572M Units : dm2
Spike #1 ID : S17205 Spike #2 ID : S17022

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
467872-001		Wipe	1	20	1	20.0		1				PCB	
467872-003		Wipe	1	20	1	20.0		1				PCB	
467872-005		Wipe	1	20	1	20.0		1				PCB	
467872-007		Wipe	1	20	1	20.0		1				PCB	
467872-008		Wipe	1	20	1	20.0		1				PCB	
467872-010		Wipe	1	20	1	20.0		1				PCB	
467872-012		Wipe	1	20	1	20.0		1				PCB	
467872-014		Wipe	1	20	1	20.0		1				PCB	
467872-016		Wipe	1	20	1	20.0		1				PCB	
467872-018		Wipe	1	20	1	20.0		1				PCB	
467872-020		Wipe	1	20	1	20.0		1				PCB	
467872-022		Wipe	1	20	1	20.0		1				PCB	
467872-024		Wipe	1	20	1	20.0		1				PCB	
467872-026		Wipe	1	20	1	20.0		1				PCB	
467872-029		Wipe	1	20	1	20.0		1				PCB	
467872-031		Wipe	1	20	1	20.0		1				PCB	
467872-033		Wipe	1	20	1	20.0		1				PCB	
467872-034		Wipe	1	20	1	20.0		1				PCB	
467872-036		Wipe	1	20	1	20.0		1				PCB	
467872-037		Wipe	1	20	1	20.0		1				PCB	
QC1008491	BLANK	Wipe	1	10	1	10.0		.5				8080	
QC1008492	BS	Wipe	1	10	1	10.0		.5	.5			8080	
QC1008493	BSD	Wipe	1	10	1	10.0		.5	.5			8080	

TRN 08/30/22 : BS/D verify the batch

Analyst: TRN Date: 08/30/22 Reviewer: SLL Date: 08/30/22

8081/8082 Prep Log

Date/Time: 8/24/22 13:45 Initials: EPL

608 QC Batch#:

8081 QC Batch #:

Matrix: WIPES Prep Method: 3580 Balance ID: N/A

8082 QC Batch #: 295631

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Witness ID	Comment
Blank		1 dm²	N/A	SH3	N/A	10.0			500 µL SURROGATE
LCS		↓	↓	↓	↓	↓			↓
LCSD									
467872-001	A					20.0			
-003	A								
-005	A								
-007	A								
-008	A								
-010	A								
-012	A								
-014	A								
-016	A								
-018	A								
-020	A								
-022	A								
-024	A								
-026	A								
-029	A								
-031	A								
-033	A								
-034	A								
-036	A								
-037	A	↓	↓	↓	↓	↓			

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: 222771

Acetone-Hexane Mix ID: N/A

Sodium Sulfate Lot: N/A

Baked Sand Lot: N/A

Surrogate ID: S17205 Volume: 1000 µL

Pest LCS Spike ID: N/A Volume: N/A µL

PCB LCS Spike ID: S17022 Volume: 500 µL

Pest MS/MSD Spike ID: N/A Volume: N/A µL

PCB MS/MSD Spike ID: N/A Volume: N/A µL

SAMPLE PREPARATION SUMMARY

Batch # : 295632
Started By : EPL
Method : 3572M
Spike #1 ID : S17205
Prep Date : 24-AUG-2022 13:45
Spike #2 ID : S17022
Analysis : 8080
Finished By : EPL
Units : dm2

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
467767-001		Wipe	1	20	1	20.0		1				PCB	
467769-004		Wipe	1	20	1	20.0		1				PCB	
467771-001		Wipe	1	20	1	20.0		1				PCB	
467771-003		Wipe	1	20	1	20.0		1				PCB	
467771-005		Wipe	1	20	1	20.0		1				PCB	
467771-007		Wipe	1	20	1	20.0		1				PCB	
467774-001		Wipe	1	20	1	20.0		1				PCB	
467774-003		Wipe	1	20	1	20.0		1				PCB	
467774-005		Wipe	1	20	1	20.0		1				PCB	
467774-007		Wipe	1	20	1	20.0		1				PCB	
467872-039		Wipe	1	20	1	20.0		1				PCB	
467872-041		Wipe	1	20	1	20.0		1				PCB	
467872-044		Wipe	1	20	1	20.0		1				PCB	
467872-046		Wipe	1	20	1	20.0		1				PCB	
467872-048		Wipe	1	20	1	20.0		1				PCB	
QC1008494	BLANK	Wipe	1	10	1	10.0		.5				8080	
QC1008495	BS	Wipe	1	10	1	10.0		.5	.5			8080	
QC1008496	BSD	Wipe	1	10	1	10.0		.5	.5			8080	

TRN 08/29/22 : BS/D verify the batch

Analyst: TRN Date: 08/29/22 Reviewer: SLL Date: 08/29/22

8081/8082 Prep Log

Date/Time: 8/24/22 13:45 Initials: EPL

608 QC Batch#:

8081 QC Batch #:

Matrix: WIPEJ Prep Method: 3580 Balance ID: N/A

8082 QC Batch #: 295632

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Witness ID	Comment
Blank		1 dm²	N/A	SH3	N/A	10.0			500 µL SURROGATE
LCS		↓	↓	↓	↓	↓			↓
LCSD									
467872-039	A					20.0			
-041	A								
-044	A								
-046	A								
-048	A								
467767-001	A								
467769-004	A								
467771-001	A								
-003	A								
-005	A								
-007	A								
467774-001	A								
-003	A								
-005	A								
-007	A	↓	↓	↓	↓	↓			

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: 220771

Acetone-Hexane Mix ID: N/A

Sodium Sulfate Lot: N/A

Baked Sand Lot: N/A

Surrogate ID: ~~S1221~~ 8/24 S17305 Volume: 1000 µL

Pest LCS Spike ID: N/A Volume: N/A µL

PCB LCS Spike ID: S17022 Volume: 500 µL

Pest MS/MSD Spike ID: N/A Volume: N/A µL

PCB MS/MSD Spike ID: N/A Volume: N/A µL

REPORTING SUMMARY FOR 467872 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
467872-001	Aroclor-1016	SVOA-GC06	A	08/26/22 23:06
467872-001	Aroclor-1221	SVOA-GC06	A	08/26/22 23:06
467872-001	Aroclor-1232	SVOA-GC06	A	08/26/22 23:06
467872-001	Aroclor-1242	SVOA-GC06	A	08/26/22 23:06
467872-001	Aroclor-1248	SVOA-GC06	A	08/26/22 23:06
467872-001	Aroclor-1254	SVOA-GC06	A	08/26/22 23:06
467872-001	Aroclor-1260	SVOA-GC06	A	08/26/22 23:06
467872-001	Aroclor-1262	SVOA-GC06	A	08/26/22 23:06
467872-001	Aroclor-1268	SVOA-GC06	A	08/26/22 23:06
467872-001	TCMX (PCB)	SVOA-GC06	A	08/26/22 23:06
467872-001	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 23:06
467872-003	Aroclor-1016	SVOA-GC06	A	08/26/22 23:23
467872-003	Aroclor-1221	SVOA-GC06	A	08/26/22 23:23
467872-003	Aroclor-1232	SVOA-GC06	A	08/26/22 23:23
467872-003	Aroclor-1242	SVOA-GC06	A	08/26/22 23:23
467872-003	Aroclor-1248	SVOA-GC06	A	08/26/22 23:23
467872-003	Aroclor-1254	SVOA-GC06	A	08/26/22 23:23
467872-003	Aroclor-1260	SVOA-GC06	A	08/26/22 23:23
467872-003	Aroclor-1262	SVOA-GC06	A	08/26/22 23:23
467872-003	Aroclor-1268	SVOA-GC06	A	08/26/22 23:23
467872-003	TCMX (PCB)	SVOA-GC06	A	08/26/22 23:23
467872-003	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 23:23
467872-005	Aroclor-1016	SVOA-GC06	A	08/26/22 23:40
467872-005	Aroclor-1221	SVOA-GC06	A	08/26/22 23:40
467872-005	Aroclor-1232	SVOA-GC06	A	08/26/22 23:40
467872-005	Aroclor-1242	SVOA-GC06	A	08/26/22 23:40
467872-005	Aroclor-1248	SVOA-GC06	A	08/26/22 23:40
467872-005	Aroclor-1254	SVOA-GC06	A	08/26/22 23:40
467872-005	Aroclor-1260	SVOA-GC06	A	08/26/22 23:40
467872-005	Aroclor-1262	SVOA-GC06	A	08/26/22 23:40
467872-005	Aroclor-1268	SVOA-GC06	A	08/26/22 23:40
467872-005	TCMX (PCB)	SVOA-GC06	A	08/26/22 23:40
467872-005	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 23:40
467872-007	Aroclor-1016	SVOA-GC06	A	08/26/22 23:58
467872-007	Aroclor-1221	SVOA-GC06	A	08/26/22 23:58
467872-007	Aroclor-1232	SVOA-GC06	A	08/26/22 23:58
467872-007	Aroclor-1242	SVOA-GC06	A	08/26/22 23:58
467872-007	Aroclor-1248	SVOA-GC06	A	08/26/22 23:58
467872-007	Aroclor-1254	SVOA-GC06	A	08/26/22 23:58
467872-007	Aroclor-1260	SVOA-GC06	A	08/26/22 23:58
467872-007	Aroclor-1262	SVOA-GC06	A	08/26/22 23:58
467872-007	Aroclor-1268	SVOA-GC06	A	08/26/22 23:58
467872-007	TCMX (PCB)	SVOA-GC06	A	08/26/22 23:58
467872-007	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 23:58
467872-008	Aroclor-1016	SVOA-GC06	A	08/27/22 00:15
467872-008	Aroclor-1221	SVOA-GC06	A	08/27/22 00:15
467872-008	Aroclor-1232	SVOA-GC06	A	08/27/22 00:15
467872-008	Aroclor-1242	SVOA-GC06	A	08/27/22 00:15
467872-008	Aroclor-1248	SVOA-GC06	A	08/27/22 00:15
467872-008	Aroclor-1254	SVOA-GC06	A	08/27/22 00:15

Sample ID	Analyte	Inst ID	Ch	Date & Time
467872-008	Aroclor-1260	SVOA-GC06	A	08/27/22 00:15
467872-008	Aroclor-1262	SVOA-GC06	A	08/27/22 00:15
467872-008	Aroclor-1268	SVOA-GC06	A	08/27/22 00:15
467872-008	TCMX (PCB)	SVOA-GC06	A	08/27/22 00:15
467872-008	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/27/22 00:15
467872-010	Aroclor-1016	SVOA-GC06	A	08/27/22 00:33
467872-010	Aroclor-1221	SVOA-GC06	A	08/27/22 00:33
467872-010	Aroclor-1232	SVOA-GC06	A	08/27/22 00:33
467872-010	Aroclor-1242	SVOA-GC06	A	08/27/22 00:33
467872-010	Aroclor-1248	SVOA-GC06	A	08/27/22 00:33
467872-010	Aroclor-1254	SVOA-GC06	A	08/27/22 00:33
467872-010	Aroclor-1260	SVOA-GC06	A	08/27/22 00:33
467872-010	Aroclor-1262	SVOA-GC06	A	08/27/22 00:33
467872-010	Aroclor-1268	SVOA-GC06	A	08/27/22 00:33
467872-010	TCMX (PCB)	SVOA-GC06	A	08/27/22 00:33
467872-010	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/27/22 00:33
467872-012	Aroclor-1016	SVOA-GC06	A	08/27/22 00:50
467872-012	Aroclor-1221	SVOA-GC06	A	08/27/22 00:50
467872-012	Aroclor-1232	SVOA-GC06	A	08/27/22 00:50
467872-012	Aroclor-1242	SVOA-GC06	A	08/27/22 00:50
467872-012	Aroclor-1248	SVOA-GC06	A	08/27/22 00:50
467872-012	Aroclor-1254	SVOA-GC06	A	08/27/22 00:50
467872-012	Aroclor-1260	SVOA-GC06	A	08/27/22 00:50
467872-012	Aroclor-1262	SVOA-GC06	A	08/27/22 00:50
467872-012	Aroclor-1268	SVOA-GC06	A	08/27/22 00:50
467872-012	TCMX (PCB)	SVOA-GC06	A	08/27/22 00:50
467872-012	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/27/22 00:50
467872-014	Aroclor-1016	SVOA-GC06	A	08/27/22 01:07
467872-014	Aroclor-1221	SVOA-GC06	A	08/27/22 01:07
467872-014	Aroclor-1232	SVOA-GC06	A	08/27/22 01:07
467872-014	Aroclor-1242	SVOA-GC06	A	08/27/22 01:07
467872-014	Aroclor-1248	SVOA-GC06	A	08/27/22 01:07
467872-014	Aroclor-1254	SVOA-GC06	A	08/27/22 01:07
467872-014	Aroclor-1260	SVOA-GC06	A	08/27/22 01:07
467872-014	Aroclor-1262	SVOA-GC06	A	08/27/22 01:07
467872-014	Aroclor-1268	SVOA-GC06	A	08/27/22 01:07
467872-014	TCMX (PCB)	SVOA-GC06	A	08/27/22 01:07
467872-014	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/27/22 01:07
467872-016	Aroclor-1016	SVOA-GC06	A	08/27/22 01:25
467872-016	Aroclor-1221	SVOA-GC06	A	08/27/22 01:25
467872-016	Aroclor-1232	SVOA-GC06	A	08/27/22 01:25
467872-016	Aroclor-1242	SVOA-GC06	A	08/27/22 01:25
467872-016	Aroclor-1248	SVOA-GC06	A	08/27/22 01:25
467872-016	Aroclor-1254	SVOA-GC06	A	08/27/22 01:25
467872-016	Aroclor-1260	SVOA-GC06	A	08/27/22 01:25
467872-016	Aroclor-1262	SVOA-GC06	A	08/27/22 01:25
467872-016	Aroclor-1268	SVOA-GC06	A	08/27/22 01:25
467872-016	TCMX (PCB)	SVOA-GC06	A	08/27/22 01:25
467872-016	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/27/22 01:25

Sample ID	Analyte	Inst ID	Ch	Date & Time
467872-018	Aroclor-1016	SVOA-GC06	A	08/27/22 01:42
467872-018	Aroclor-1221	SVOA-GC06	A	08/27/22 01:42
467872-018	Aroclor-1232	SVOA-GC06	A	08/27/22 01:42
467872-018	Aroclor-1242	SVOA-GC06	A	08/27/22 01:42
467872-018	Aroclor-1248	SVOA-GC06	A	08/27/22 01:42
467872-018	Aroclor-1254	SVOA-GC06	A	08/27/22 01:42
467872-018	Aroclor-1260	SVOA-GC06	A	08/27/22 01:42
467872-018	Aroclor-1262	SVOA-GC06	A	08/27/22 01:42
467872-018	Aroclor-1268	SVOA-GC06	A	08/27/22 01:42
467872-018	TCMX (PCB)	SVOA-GC06	A	08/27/22 01:42
467872-018	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/27/22 01:42
467872-020	Aroclor-1016	SVOA-GC06	A	08/27/22 07:31
467872-020	Aroclor-1221	SVOA-GC06	A	08/27/22 07:31
467872-020	Aroclor-1232	SVOA-GC06	A	08/27/22 07:31
467872-020	Aroclor-1242	SVOA-GC06	A	08/27/22 07:31
467872-020	Aroclor-1248	SVOA-GC06	A	08/27/22 07:31
467872-020	Aroclor-1254	SVOA-GC06	A	08/27/22 07:31
467872-020	Aroclor-1260	SVOA-GC06	A	08/27/22 07:31
467872-020	Aroclor-1262	SVOA-GC06	A	08/27/22 07:31
467872-020	Aroclor-1268	SVOA-GC06	A	08/27/22 07:31
467872-020	TCMX (PCB)	SVOA-GC06	A	08/27/22 07:31
467872-020	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/27/22 07:31
467872-022	Aroclor-1016	SVOA-GC06	A	08/27/22 07:48
467872-022	Aroclor-1221	SVOA-GC06	A	08/27/22 07:48
467872-022	Aroclor-1232	SVOA-GC06	A	08/27/22 07:48
467872-022	Aroclor-1242	SVOA-GC06	A	08/27/22 07:48
467872-022	Aroclor-1248	SVOA-GC06	A	08/27/22 07:48
467872-022	Aroclor-1254	SVOA-GC06	A	08/27/22 07:48
467872-022	Aroclor-1260	SVOA-GC06	A	08/27/22 07:48
467872-022	Aroclor-1262	SVOA-GC06	A	08/27/22 07:48
467872-022	Aroclor-1268	SVOA-GC06	A	08/27/22 07:48
467872-022	TCMX (PCB)	SVOA-GC06	A	08/27/22 07:48
467872-022	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/27/22 07:48
467872-024	Aroclor-1016	SVOA-GC06	A	08/27/22 08:06
467872-024	Aroclor-1221	SVOA-GC06	A	08/27/22 08:06
467872-024	Aroclor-1232	SVOA-GC06	A	08/27/22 08:06
467872-024	Aroclor-1242	SVOA-GC06	A	08/27/22 08:06
467872-024	Aroclor-1248	SVOA-GC06	A	08/27/22 08:06
467872-024	Aroclor-1254	SVOA-GC06	A	08/27/22 08:06
467872-024	Aroclor-1260	SVOA-GC06	A	08/27/22 08:06
467872-024	Aroclor-1262	SVOA-GC06	A	08/27/22 08:06
467872-024	Aroclor-1268	SVOA-GC06	A	08/27/22 08:06
467872-024	TCMX (PCB)	SVOA-GC06	A	08/27/22 08:06
467872-024	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/27/22 08:06
467872-026	Aroclor-1016	SVOA-GC06	A	08/27/22 08:23
467872-026	Aroclor-1221	SVOA-GC06	A	08/27/22 08:23
467872-026	Aroclor-1232	SVOA-GC06	A	08/27/22 08:23
467872-026	Aroclor-1242	SVOA-GC06	A	08/27/22 08:23
467872-026	Aroclor-1248	SVOA-GC06	A	08/27/22 08:23
467872-026	Aroclor-1254	SVOA-GC06	A	08/27/22 08:23

Sample ID	Analyte	Inst ID	Ch	Date & Time
467872-026	Aroclor-1260	SVOA-GC06	A	08/27/22 08:23
467872-026	Aroclor-1262	SVOA-GC06	A	08/27/22 08:23
467872-026	Aroclor-1268	SVOA-GC06	A	08/27/22 08:23
467872-026	TCMX (PCB)	SVOA-GC06	A	08/27/22 08:23
467872-026	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/27/22 08:23
467872-029	Aroclor-1016	SVOA-GC06	A	08/27/22 08:41
467872-029	Aroclor-1221	SVOA-GC06	A	08/27/22 08:41
467872-029	Aroclor-1232	SVOA-GC06	A	08/27/22 08:41
467872-029	Aroclor-1242	SVOA-GC06	A	08/27/22 08:41
467872-029	Aroclor-1248	SVOA-GC06	A	08/27/22 08:41
467872-029	Aroclor-1254	SVOA-GC06	A	08/27/22 08:41
467872-029	Aroclor-1260	SVOA-GC06	A	08/27/22 08:41
467872-029	Aroclor-1262	SVOA-GC06	A	08/27/22 08:41
467872-029	Aroclor-1268	SVOA-GC06	A	08/27/22 08:41
467872-029	TCMX (PCB)	SVOA-GC06	A	08/27/22 08:41
467872-029	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/27/22 08:41
467872-031	Aroclor-1016	SVOA-GC06	B	08/29/22 20:26
467872-031	Aroclor-1221	SVOA-GC06	B	08/29/22 20:26
467872-031	Aroclor-1232	SVOA-GC06	B	08/29/22 20:26
467872-031	Aroclor-1242	SVOA-GC06	B	08/29/22 20:26
467872-031	Aroclor-1248	SVOA-GC06	B	08/29/22 20:26
467872-031	Aroclor-1254	SVOA-GC06	B	08/29/22 20:26
467872-031	Aroclor-1260	SVOA-GC06	B	08/29/22 20:26
467872-031	Aroclor-1262	SVOA-GC06	B	08/29/22 20:26
467872-031	Aroclor-1268	SVOA-GC06	B	08/29/22 20:26
467872-031	TCMX (PCB)	SVOA-GC06	B	08/29/22 20:26
467872-031	Decachlorobiphenyl (PCB)	SVOA-GC06	B	08/29/22 20:26
467872-033	Aroclor-1016	SVOA-GC06	A	08/27/22 09:15
467872-033	Aroclor-1221	SVOA-GC06	A	08/27/22 09:15
467872-033	Aroclor-1232	SVOA-GC06	A	08/27/22 09:15
467872-033	Aroclor-1242	SVOA-GC06	A	08/27/22 09:15
467872-033	Aroclor-1248	SVOA-GC06	A	08/27/22 09:15
467872-033	Aroclor-1254	SVOA-GC06	A	08/27/22 09:15
467872-033	Aroclor-1260	SVOA-GC06	A	08/27/22 09:15
467872-033	Aroclor-1262	SVOA-GC06	A	08/27/22 09:15
467872-033	Aroclor-1268	SVOA-GC06	A	08/27/22 09:15
467872-033	TCMX (PCB)	SVOA-GC06	A	08/27/22 09:15
467872-033	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/27/22 09:15
467872-034	Aroclor-1016	SVOA-GC06	A	08/27/22 09:33
467872-034	Aroclor-1221	SVOA-GC06	A	08/27/22 09:33
467872-034	Aroclor-1232	SVOA-GC06	A	08/27/22 09:33
467872-034	Aroclor-1242	SVOA-GC06	A	08/27/22 09:33
467872-034	Aroclor-1248	SVOA-GC06	A	08/27/22 09:33
467872-034	Aroclor-1254	SVOA-GC06	A	08/27/22 09:33
467872-034	Aroclor-1260	SVOA-GC06	A	08/27/22 09:33
467872-034	Aroclor-1262	SVOA-GC06	A	08/27/22 09:33
467872-034	Aroclor-1268	SVOA-GC06	A	08/27/22 09:33
467872-034	TCMX (PCB)	SVOA-GC06	A	08/27/22 09:33
467872-034	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/27/22 09:33

Sample ID	Analyte	Inst ID	Ch	Date & Time
467872-036	Aroclor-1016	SVOA-GC06	A	08/27/22 09:50
467872-036	Aroclor-1221	SVOA-GC06	A	08/27/22 09:50
467872-036	Aroclor-1232	SVOA-GC06	A	08/27/22 09:50
467872-036	Aroclor-1242	SVOA-GC06	A	08/27/22 09:50
467872-036	Aroclor-1248	SVOA-GC06	A	08/27/22 09:50
467872-036	Aroclor-1254	SVOA-GC06	A	08/27/22 09:50
467872-036	Aroclor-1260	SVOA-GC06	A	08/27/22 09:50
467872-036	Aroclor-1262	SVOA-GC06	A	08/27/22 09:50
467872-036	Aroclor-1268	SVOA-GC06	A	08/27/22 09:50
467872-036	TCMX (PCB)	SVOA-GC06	A	08/27/22 09:50
467872-036	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/27/22 09:50
467872-037	Aroclor-1016	SVOA-GC06	A	08/27/22 10:08
467872-037	Aroclor-1221	SVOA-GC06	A	08/27/22 10:08
467872-037	Aroclor-1232	SVOA-GC06	A	08/27/22 10:08
467872-037	Aroclor-1242	SVOA-GC06	A	08/27/22 10:08
467872-037	Aroclor-1248	SVOA-GC06	A	08/27/22 10:08
467872-037	Aroclor-1254	SVOA-GC06	A	08/27/22 10:08
467872-037	Aroclor-1260	SVOA-GC06	A	08/27/22 10:08
467872-037	Aroclor-1262	SVOA-GC06	A	08/27/22 10:08
467872-037	Aroclor-1268	SVOA-GC06	A	08/27/22 10:08
467872-037	TCMX (PCB)	SVOA-GC06	A	08/27/22 10:08
467872-037	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/27/22 10:08
467872-039	Aroclor-1016	SVOA-GC06	A	08/26/22 20:46
467872-039	Aroclor-1221	SVOA-GC06	A	08/26/22 20:46
467872-039	Aroclor-1232	SVOA-GC06	A	08/26/22 20:46
467872-039	Aroclor-1242	SVOA-GC06	A	08/26/22 20:46
467872-039	Aroclor-1248	SVOA-GC06	A	08/26/22 20:46
467872-039	Aroclor-1254	SVOA-GC06	A	08/26/22 20:46
467872-039	Aroclor-1260	SVOA-GC06	A	08/26/22 20:46
467872-039	Aroclor-1262	SVOA-GC06	A	08/26/22 20:46
467872-039	Aroclor-1268	SVOA-GC06	A	08/26/22 20:46
467872-039	TCMX (PCB)	SVOA-GC06	A	08/26/22 20:46
467872-039	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 20:46
467872-041	Aroclor-1016	SVOA-GC06	A	08/26/22 21:04
467872-041	Aroclor-1221	SVOA-GC06	A	08/26/22 21:04
467872-041	Aroclor-1232	SVOA-GC06	A	08/26/22 21:04
467872-041	Aroclor-1242	SVOA-GC06	A	08/26/22 21:04
467872-041	Aroclor-1248	SVOA-GC06	A	08/26/22 21:04
467872-041	Aroclor-1254	SVOA-GC06	A	08/26/22 21:04
467872-041	Aroclor-1260	SVOA-GC06	A	08/26/22 21:04
467872-041	Aroclor-1262	SVOA-GC06	A	08/26/22 21:04
467872-041	Aroclor-1268	SVOA-GC06	A	08/26/22 21:04
467872-041	TCMX (PCB)	SVOA-GC06	A	08/26/22 21:04
467872-041	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 21:04
467872-044	Aroclor-1016	SVOA-GC06	A	08/26/22 21:21
467872-044	Aroclor-1221	SVOA-GC06	A	08/26/22 21:21
467872-044	Aroclor-1232	SVOA-GC06	A	08/26/22 21:21
467872-044	Aroclor-1242	SVOA-GC06	A	08/26/22 21:21
467872-044	Aroclor-1248	SVOA-GC06	A	08/26/22 21:21
467872-044	Aroclor-1254	SVOA-GC06	A	08/26/22 21:21

Sample ID	Analyte	Inst ID	Ch	Date & Time
467872-044	Aroclor-1260	SVOA-GC06	A	08/26/22 21:21
467872-044	Aroclor-1262	SVOA-GC06	A	08/26/22 21:21
467872-044	Aroclor-1268	SVOA-GC06	A	08/26/22 21:21
467872-044	TCMX (PCB)	SVOA-GC06	A	08/26/22 21:21
467872-044	Decachlorobiphenyl (PCB)	SVOA-GC06	B	08/26/22 21:21
467872-046	Aroclor-1016	SVOA-GC06	A	08/26/22 21:39
467872-046	Aroclor-1221	SVOA-GC06	A	08/26/22 21:39
467872-046	Aroclor-1232	SVOA-GC06	A	08/26/22 21:39
467872-046	Aroclor-1242	SVOA-GC06	A	08/26/22 21:39
467872-046	Aroclor-1248	SVOA-GC06	A	08/26/22 21:39
467872-046	Aroclor-1254	SVOA-GC06	A	08/26/22 21:39
467872-046	Aroclor-1260	SVOA-GC06	A	08/26/22 21:39
467872-046	Aroclor-1262	SVOA-GC06	A	08/26/22 21:39
467872-046	Aroclor-1268	SVOA-GC06	A	08/26/22 21:39
467872-046	TCMX (PCB)	SVOA-GC06	A	08/26/22 21:39
467872-046	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 21:39
467872-048	Aroclor-1016	SVOA-GC06	A	08/26/22 21:56
467872-048	Aroclor-1221	SVOA-GC06	A	08/26/22 21:56
467872-048	Aroclor-1232	SVOA-GC06	A	08/26/22 21:56
467872-048	Aroclor-1242	SVOA-GC06	A	08/26/22 21:56
467872-048	Aroclor-1248	SVOA-GC06	A	08/26/22 21:56
467872-048	Aroclor-1254	SVOA-GC06	A	08/26/22 21:56
467872-048	Aroclor-1260	SVOA-GC06	A	08/26/22 21:56
467872-048	Aroclor-1262	SVOA-GC06	A	08/26/22 21:56
467872-048	Aroclor-1268	SVOA-GC06	A	08/26/22 21:56
467872-048	TCMX (PCB)	SVOA-GC06	A	08/26/22 21:56
467872-048	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 21:56
QC1008491	Aroclor-1016	SVOA-GC06	A	08/26/22 22:13
QC1008491	Aroclor-1221	SVOA-GC06	A	08/26/22 22:13
QC1008491	Aroclor-1232	SVOA-GC06	A	08/26/22 22:13
QC1008491	Aroclor-1242	SVOA-GC06	A	08/26/22 22:13
QC1008491	Aroclor-1248	SVOA-GC06	A	08/26/22 22:13
QC1008491	Aroclor-1254	SVOA-GC06	A	08/26/22 22:13
QC1008491	Aroclor-1260	SVOA-GC06	A	08/26/22 22:13
QC1008491	Aroclor-1262	SVOA-GC06	A	08/26/22 22:13
QC1008491	Aroclor-1268	SVOA-GC06	A	08/26/22 22:13
QC1008491	TCMX (PCB)	SVOA-GC06	A	08/26/22 22:13
QC1008491	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 22:13
QC1008494	Aroclor-1016	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1221	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1232	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1242	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1248	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1254	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1260	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1262	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1268	SVOA-GC06	A	08/26/22 17:17
QC1008494	TCMX (PCB)	SVOA-GC06	A	08/26/22 17:17
QC1008494	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 17:17

REPORTING SUMMARY FOR 467872 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
QC1008492	Aroclor-1016	SVOA-GC06	A	08/26/22 22:31
QC1008492	Aroclor-1260	SVOA-GC06	A	08/26/22 22:31
QC1008492	TCMX (PCB)	SVOA-GC06	A	08/26/22 22:31
QC1008492	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 22:31
QC1008493	Aroclor-1016	SVOA-GC06	A	08/26/22 22:48
QC1008493	Aroclor-1260	SVOA-GC06	A	08/26/22 22:48
QC1008493	TCMX (PCB)	SVOA-GC06	A	08/26/22 22:48
QC1008493	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 22:48
QC1008495	Aroclor-1016	SVOA-GC06	A	08/26/22 17:35
QC1008495	Aroclor-1260	SVOA-GC06	A	08/26/22 17:35
QC1008495	TCMX (PCB)	SVOA-GC06	A	08/26/22 17:35
QC1008495	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 17:35
QC1008496	Aroclor-1016	SVOA-GC06	A	08/26/22 17:52
QC1008496	Aroclor-1260	SVOA-GC06	A	08/26/22 17:52
QC1008496	TCMX (PCB)	SVOA-GC06	A	08/26/22 17:52
QC1008496	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 17:52

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467872-001	Client ID:	DOOR-N-0.1GE-DG-4 TO 17-220823-P-LA
Seqnum:	452343556033	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622033	Batch:	295631	Time:	26-AUG-2022 23:06
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	56.06	~~1.1~~ ~~FP~~	0.56	67%	1.0		x u
Aroclor-1016 Peak # 1	A	52.99	1.06	1.26	17%			
Aroclor-1016 Peak # 2	A	1.432	0.03	0.15	138%			
Aroclor-1016 Peak # 3	A	92.30	1.85	1.17	44%			
Aroclor-1016 Peak # 4	A	11.01	0.22	0.19	16%			
Aroclor-1016 Peak # 5	A	122.5	2.45	0.01	198%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	21.60	ND	0.14	101%	1.0		u
Aroclor-1260 Peak # 1	A	24.08	0.48	0.10	132%			
Aroclor-1260 Peak # 2	A	2.885	0.06	0.20	112%			
Aroclor-1260 Peak # 3	A	4.411	0.09	0.16	55%			
Aroclor-1260 Peak # 4	A	14.50	0.29	0.08	111%			
Aroclor-1260 Peak # 5	A	62.14	1.24	0.18	151%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	40.26	1.000	0.8051	81	52-186	c+ u
Decachlorobiphenyl (PCB)	A	25.44	1.000	0.5088	51	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	7918075	-3.66
1-bromo-2-nitrobenzene (PCB)	A	1919479	1559928	-18.73

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

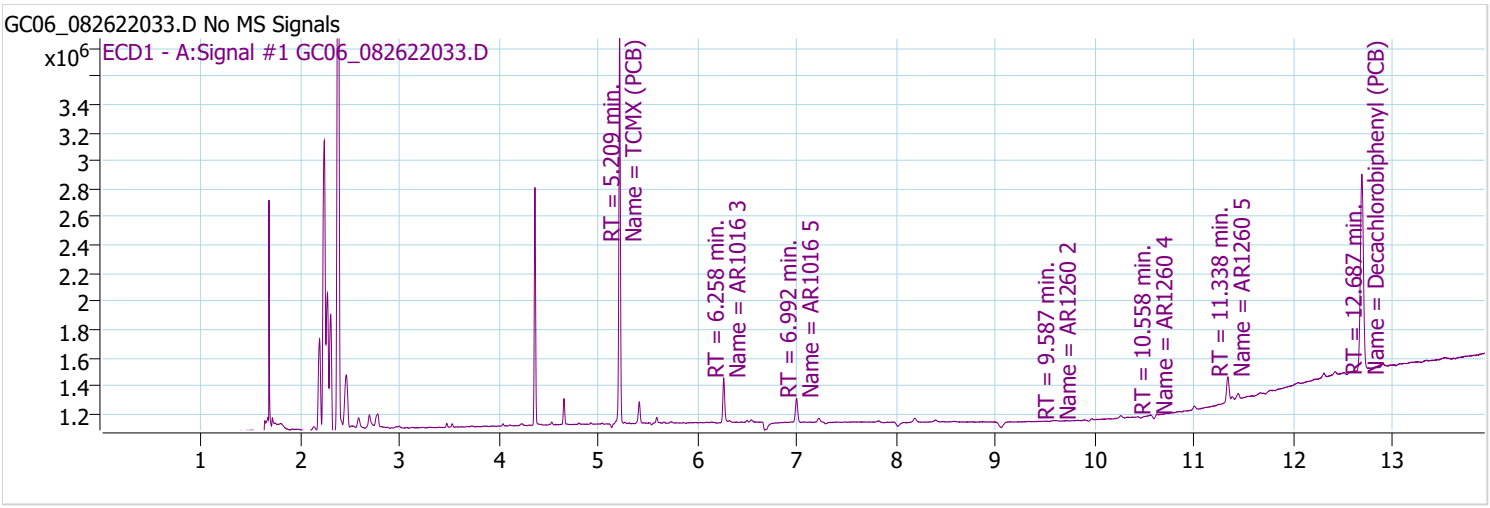
ISTD (CCV gc06_082622002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.12	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

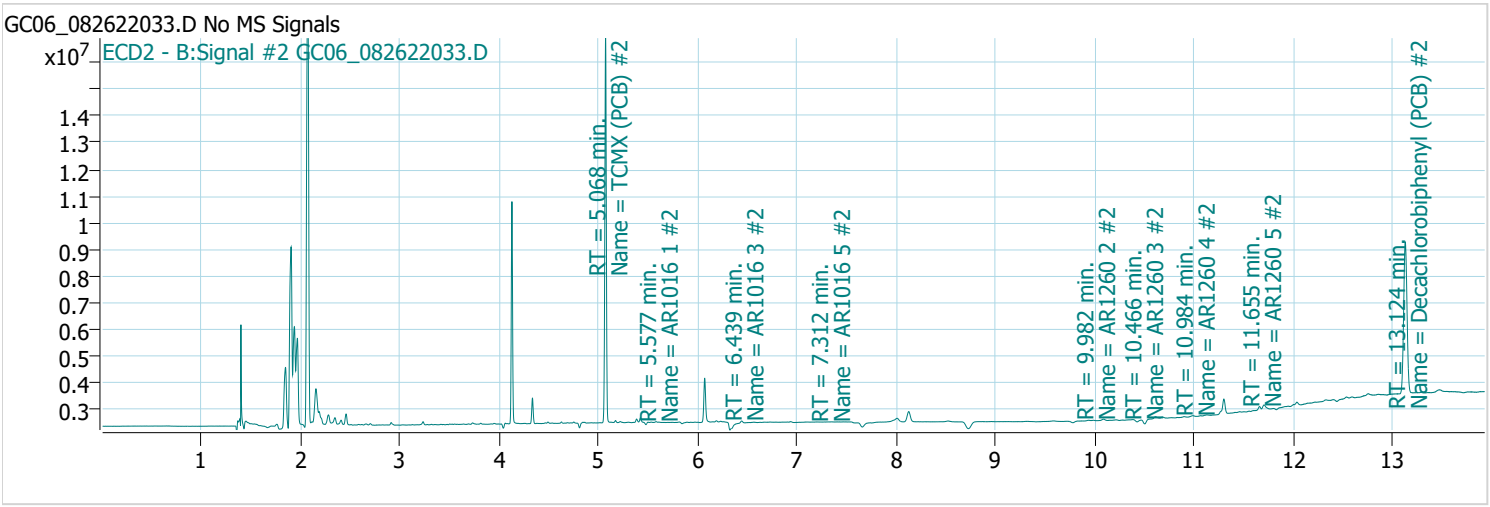
Analyst: TRN 08/29/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622033.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 11:06:02 PM
Sample Name	467872-001, 295631, 1	Instrument	SVOA-GC06
Vial	23	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



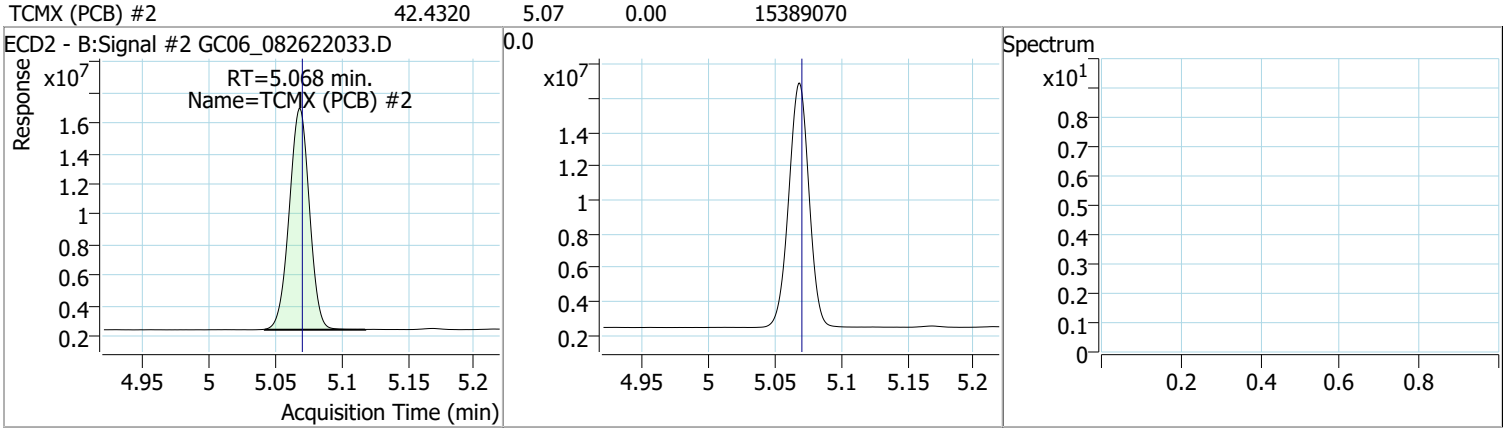


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.124	0.0	7918075.079	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB)	4.357	0.0	1559928.452	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB) #2	5.068	0.0	15389069.959	42.4320	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 212.16%		*	
S TCMX (PCB)	5.209	0.0	3019738.303	40.2454	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 201.23%		*	
S Decachlorobiphenyl (PCB)	12.687	0.0	3016828.591	25.4353	ng/ml		-0.019
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 127.18%			
S Decachlorobiphenyl (PCB) #2	13.124	0.0	13663457.727	28.5970	ng/ml		-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 142.99%			
Target Compounds							QValue

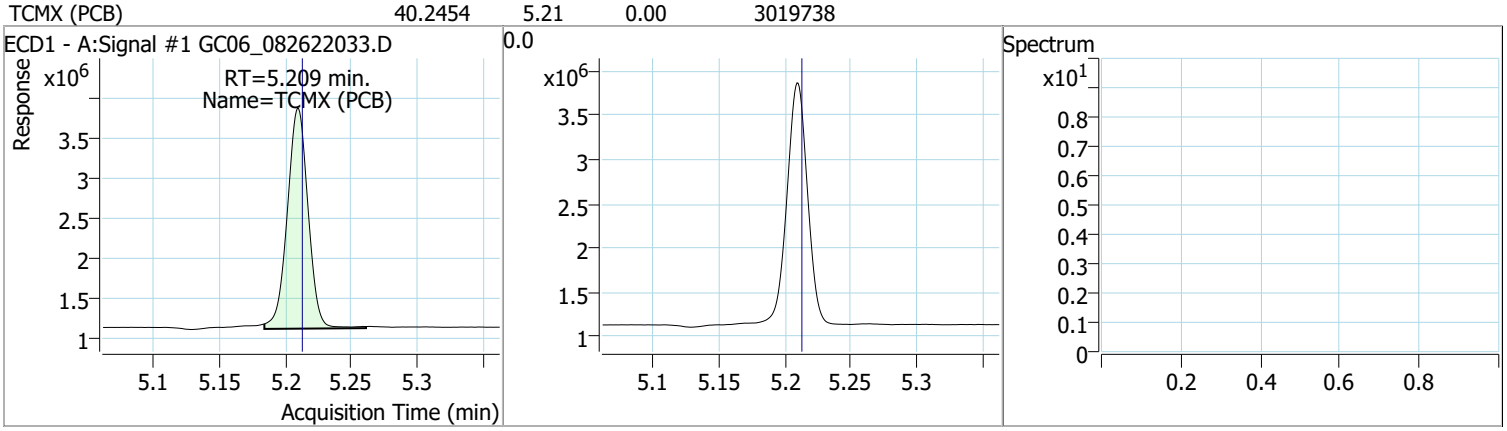
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.577	0.0	467140.457	62.9991	ng/ml	100
T AR1016 1	5.583	0.0	80843.407	52.9813	ng/ml	100
T AR1016 2 #2	5.888	0.0	119200.665	7.7463	ng/ml	100
T AR1016 2	5.903	0.0	4757.509	1.4319	ng/ml	100
T AR1016 3 #2	6.439	0.0	1191916.589	58.73329	ng/ml	100
T AR1016 3	6.258	0.0	360801.236	92.2728	ng/ml	100
T AR1016 4	6.535	0.0	32211.735	11.0083	ng/ml	100
T AR1016 4 #2	6.563	0.0	128504.094	9.3335	ng/ml	100
T AR1016 5	6.992	0.0	277310.881	122.5149	ng/ml	100
T AR1016 5 #2	7.312	0.0	5399.670	0.5016	ng/ml	100
T AR1260 1	9.135	0.0	118197.022	24.0769	ng/ml	100
T AR1260 1 #2	9.588	0.0	117150.864	4.8885	ng/ml	100
T AR1260 2	9.587	0.0	21810.308	2.8845	ng/ml	100
T AR1260 2 #2	9.982	0.0	282051.021	10.1858	ng/ml	100
T AR1260 3	10.088	0.0	34663.764	4.4099	ng/ml	100
T AR1260 3 #2	10.466	0.0	292154.951	7.7658	ng/ml	100
T AR1260 4	10.558	0.0	56677.255	14.4983	ng/ml	100
T AR1260 4 #2	10.984	0.0	84557.677	4.1537	ng/ml	100
T AR1260 5	11.338	0.0	321418.990	62.1220	ng/ml	100
T AR1260 5 #2	11.655	0.0	262707.157	8.7530	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

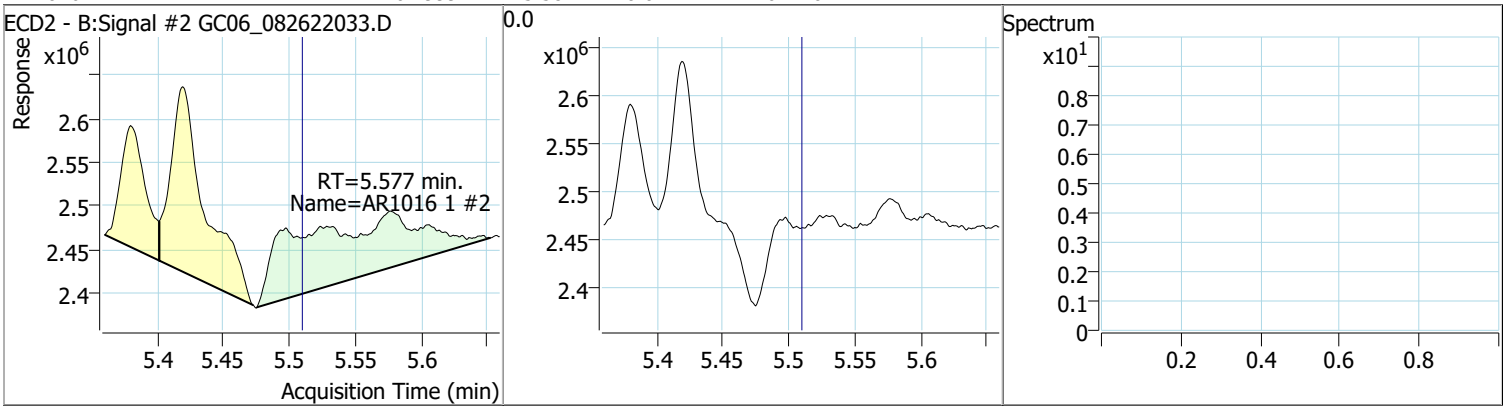
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	42.4320	5.07	0.00	15389070				



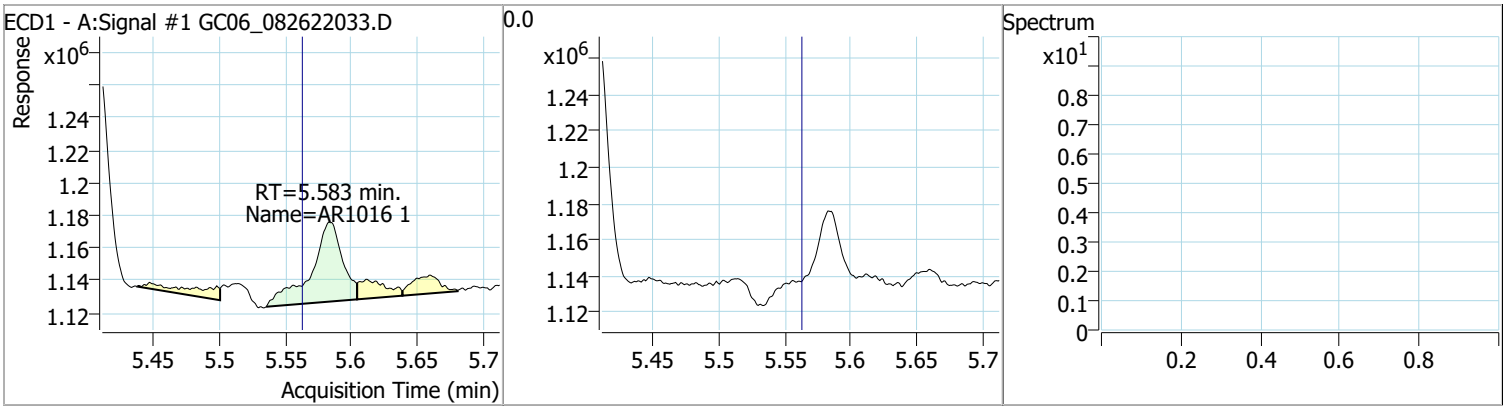
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	40.2454	5.21	0.00	3019738				



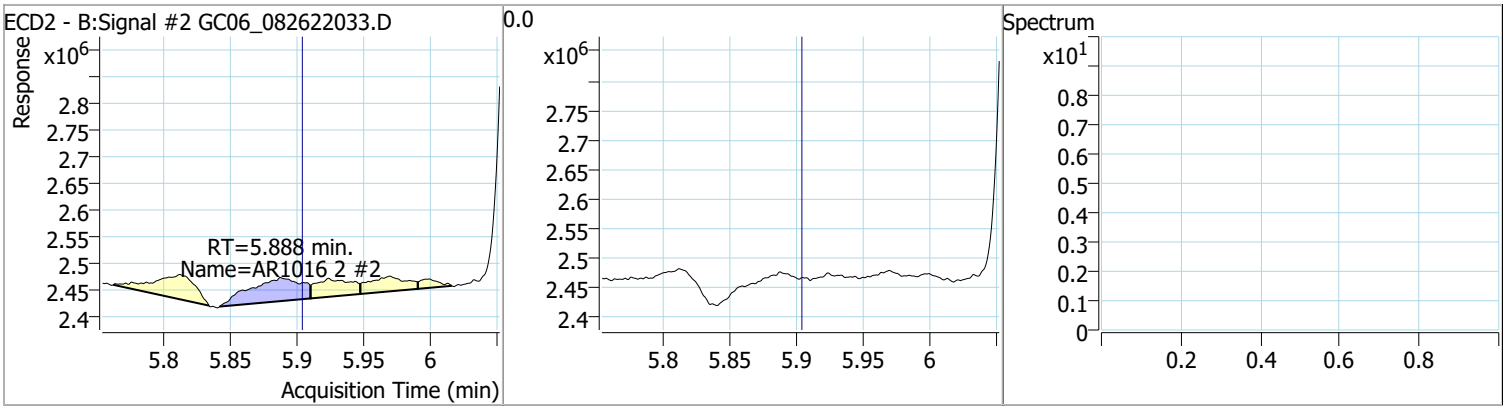
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	62.9991	5.58	0.07	467140				



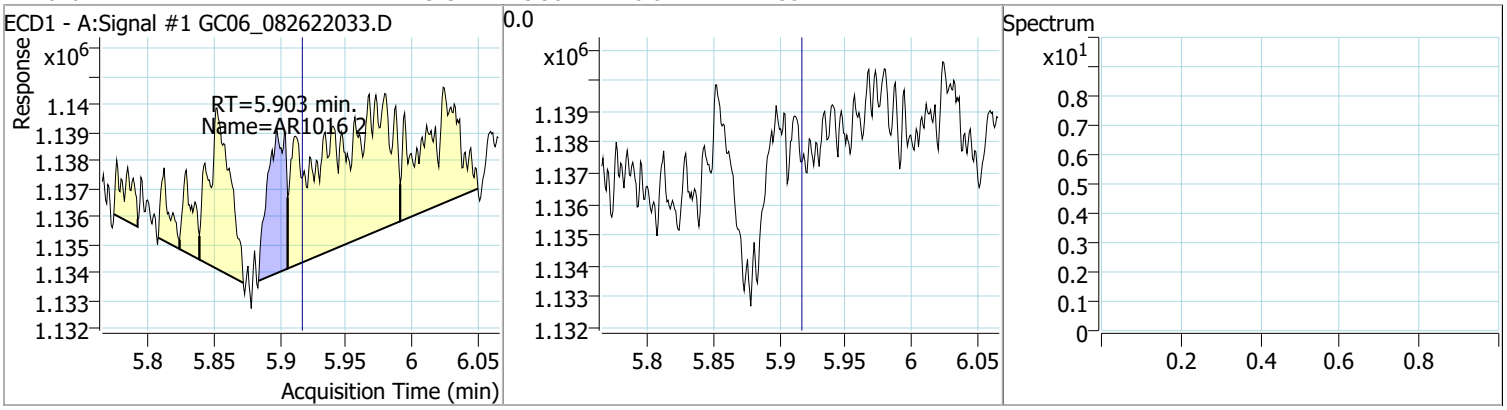
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	52.9813	5.58	0.02	80843				



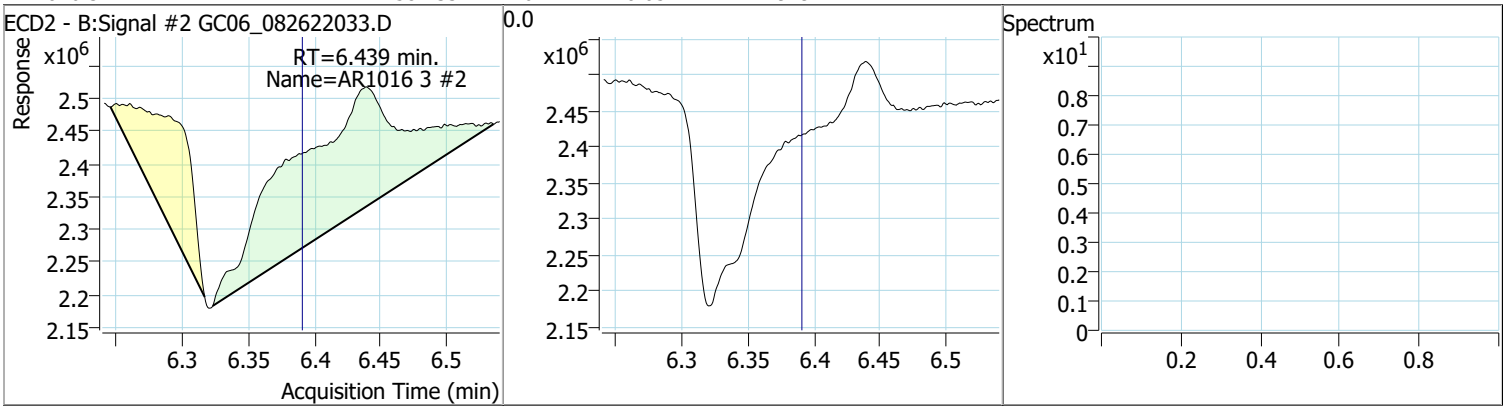
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	7.7463	5.89	-0.02	119201				



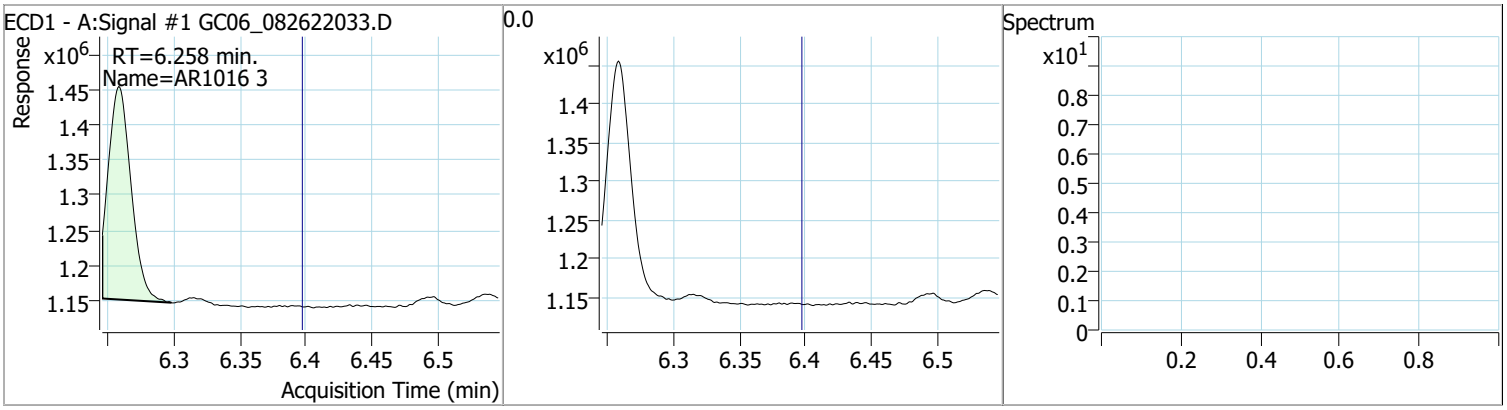
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.4319	5.90	-0.01	4758				



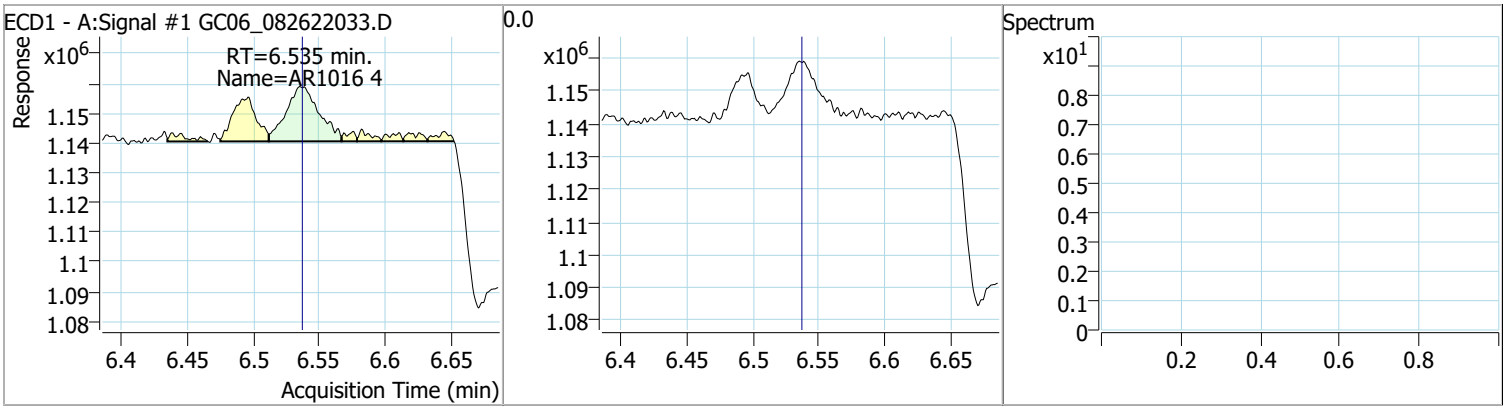
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	58.7332	6.44	0.05	1191917				



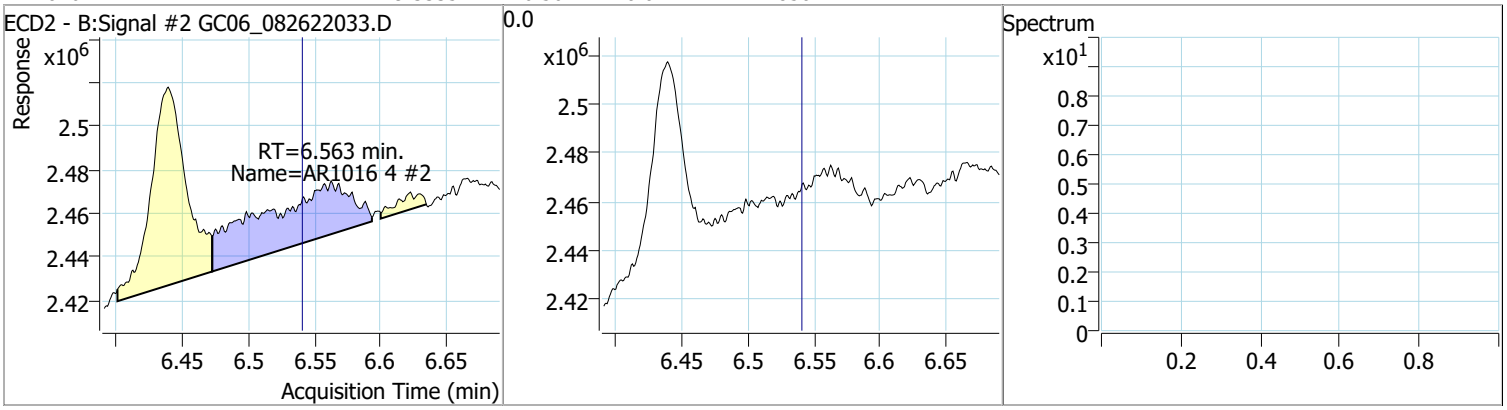
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	92.2728	6.26	-0.14	360801				



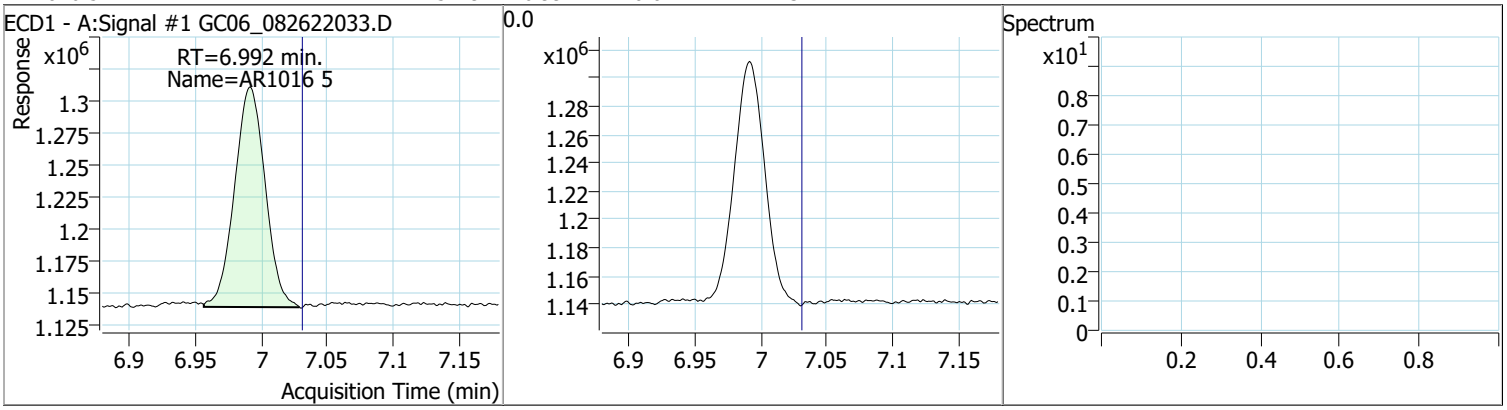
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	11.0083	6.54	0.00	32212				



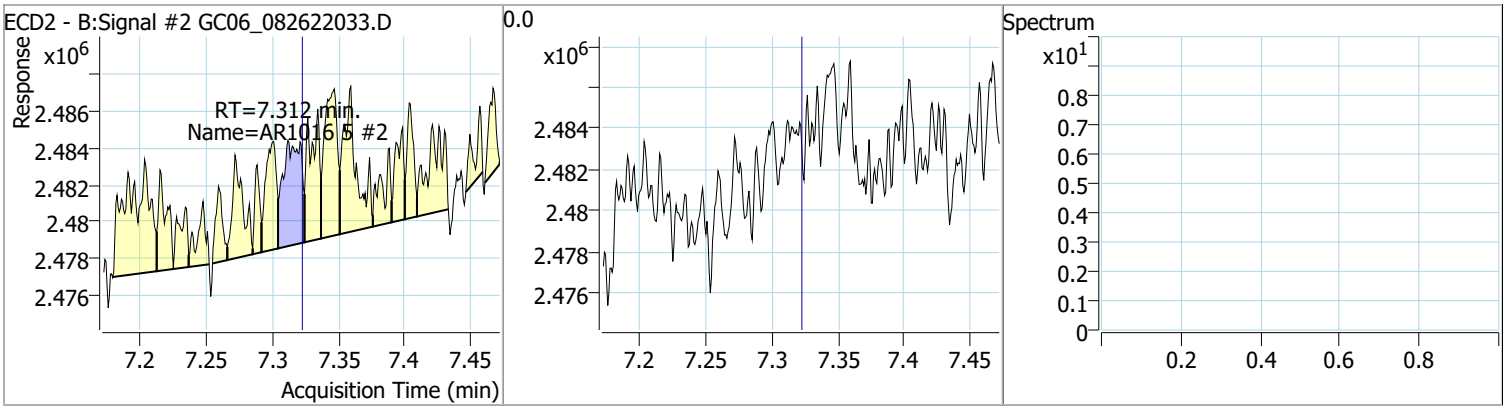
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	9.3335	6.56	0.02	128504				



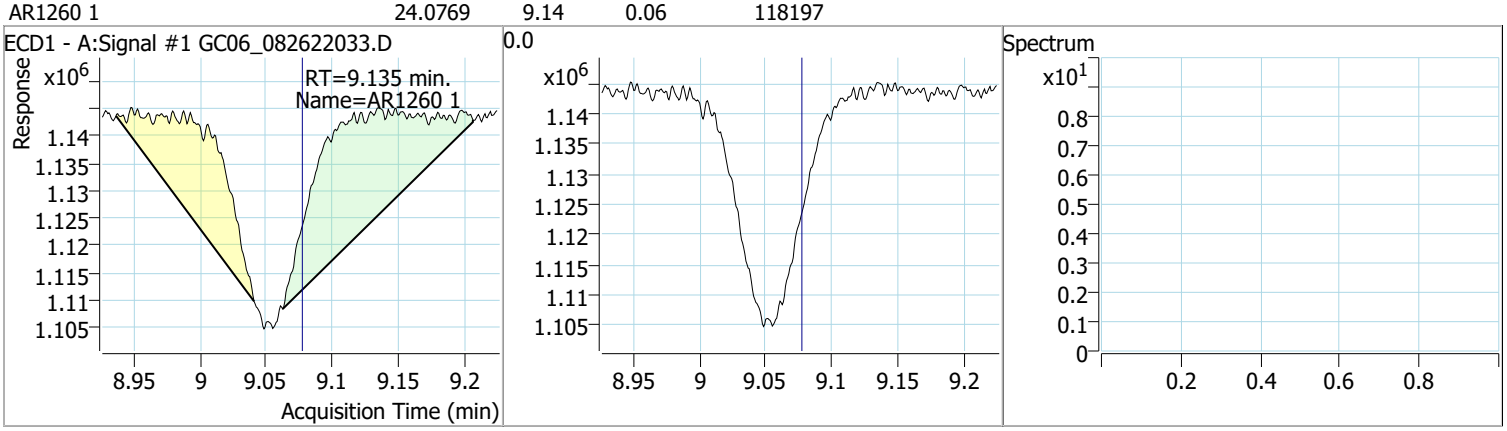
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	122.5149	6.99	-0.04	277311				



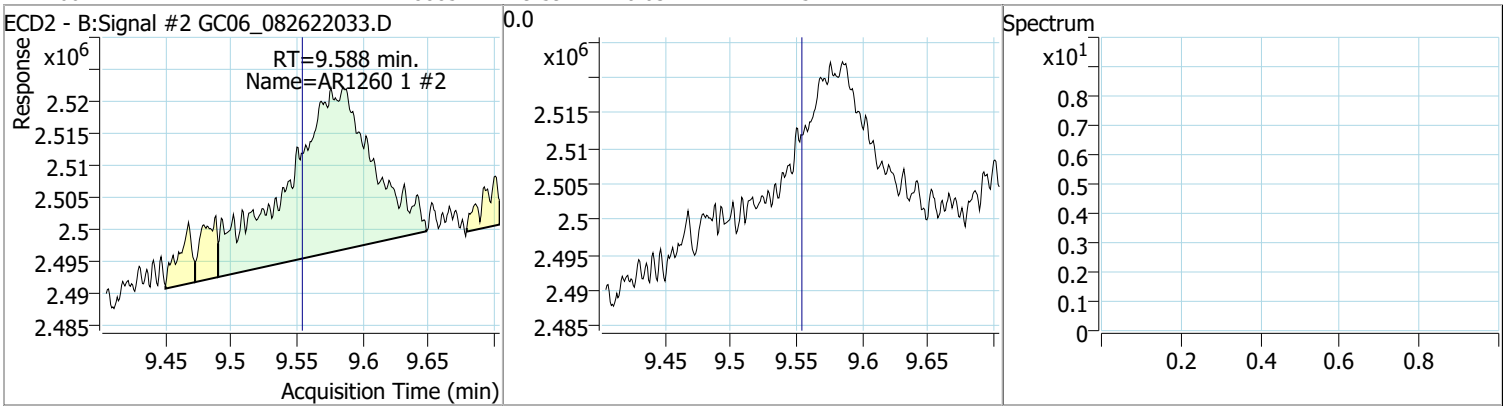
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.5016	7.31	-0.01	5400				



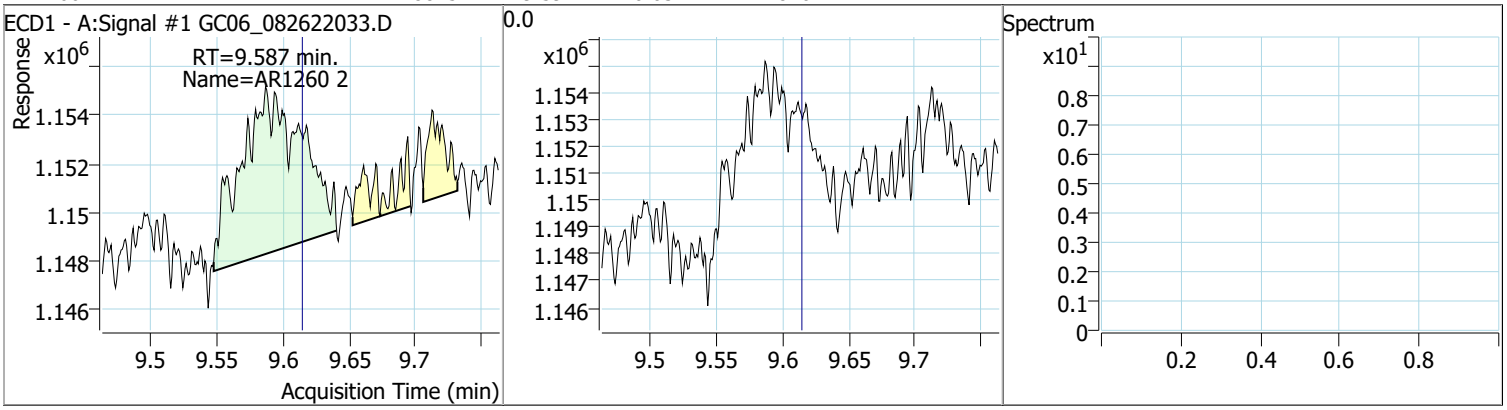
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	24.0769	9.14	0.06	118197				



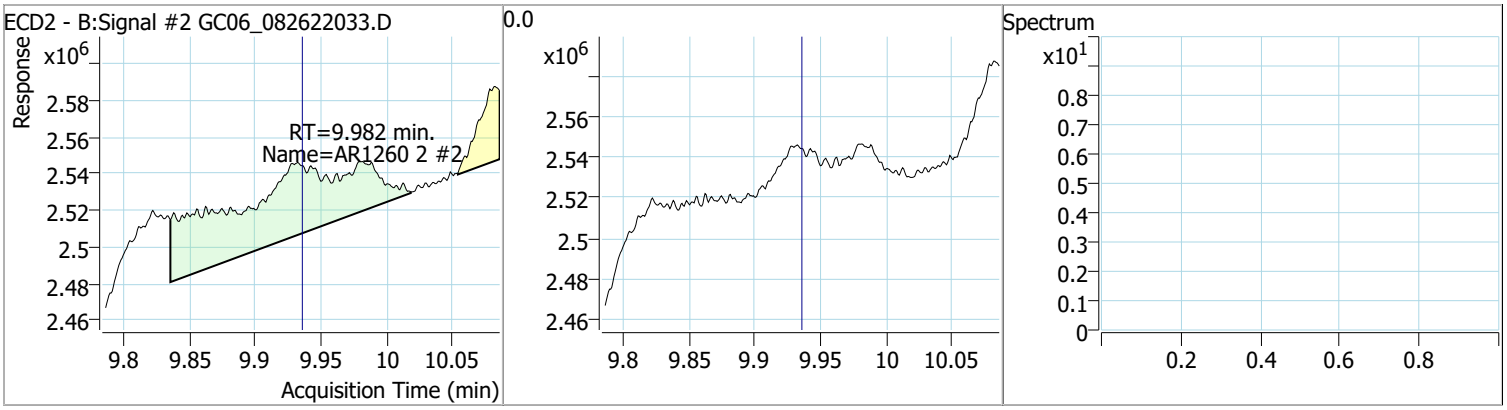
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	4.8885	9.59	0.03	117151				



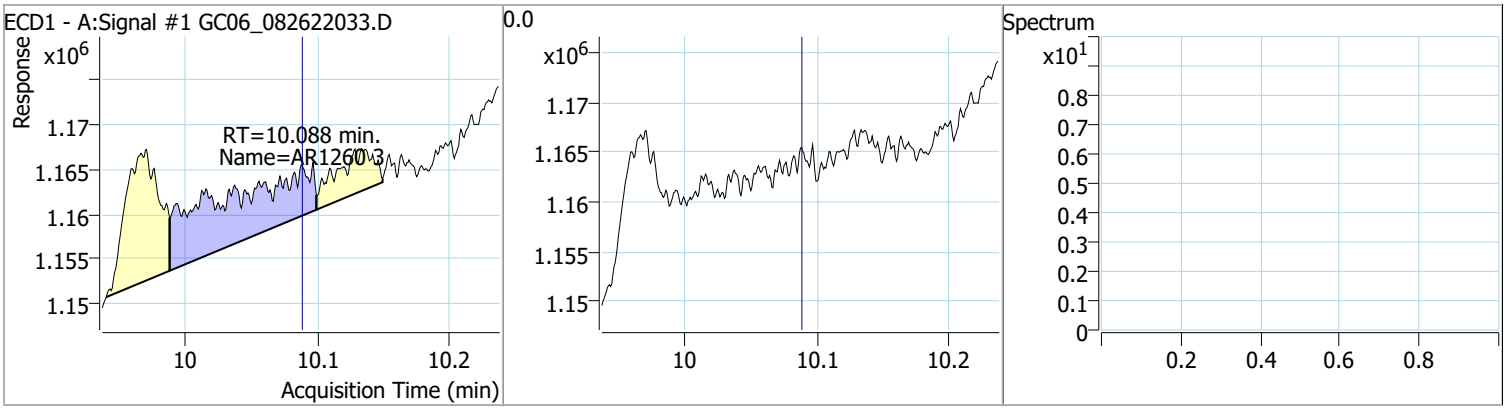
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.8845	9.59	-0.03	21810				



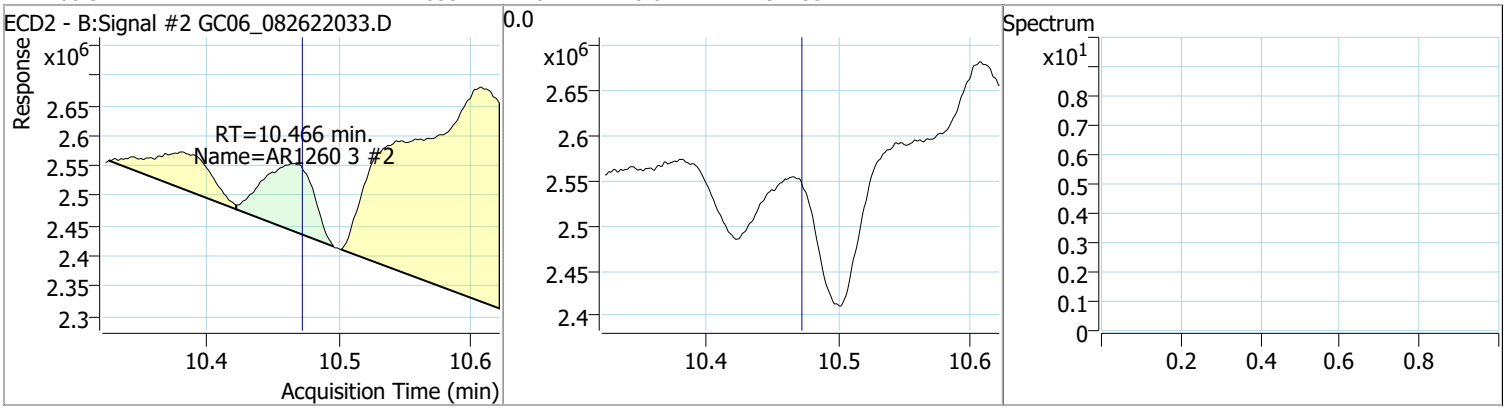
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	10.1858	9.98	0.04	282051				



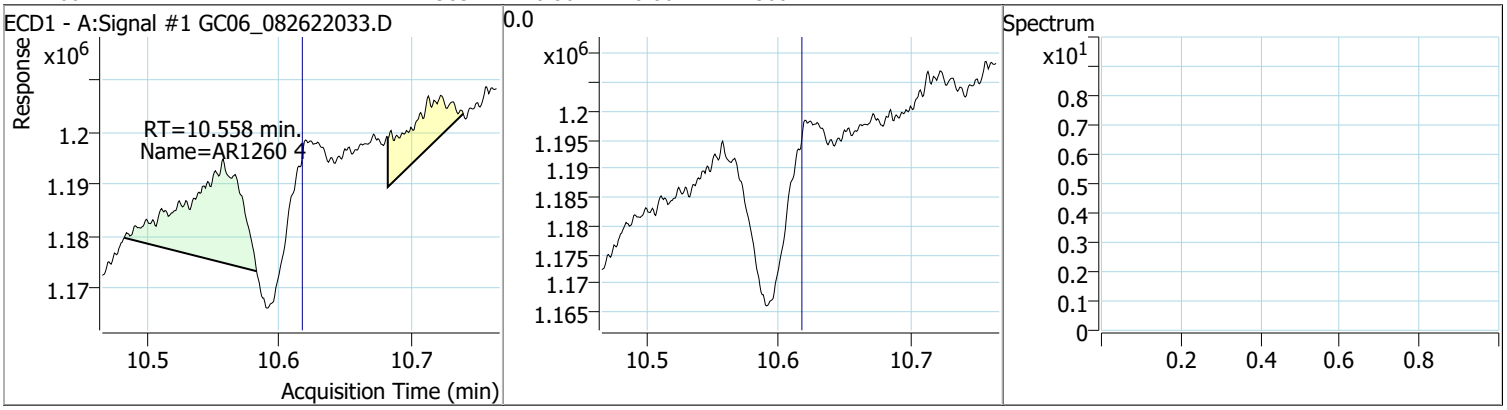
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	4.4099	10.09	0.00	34664				



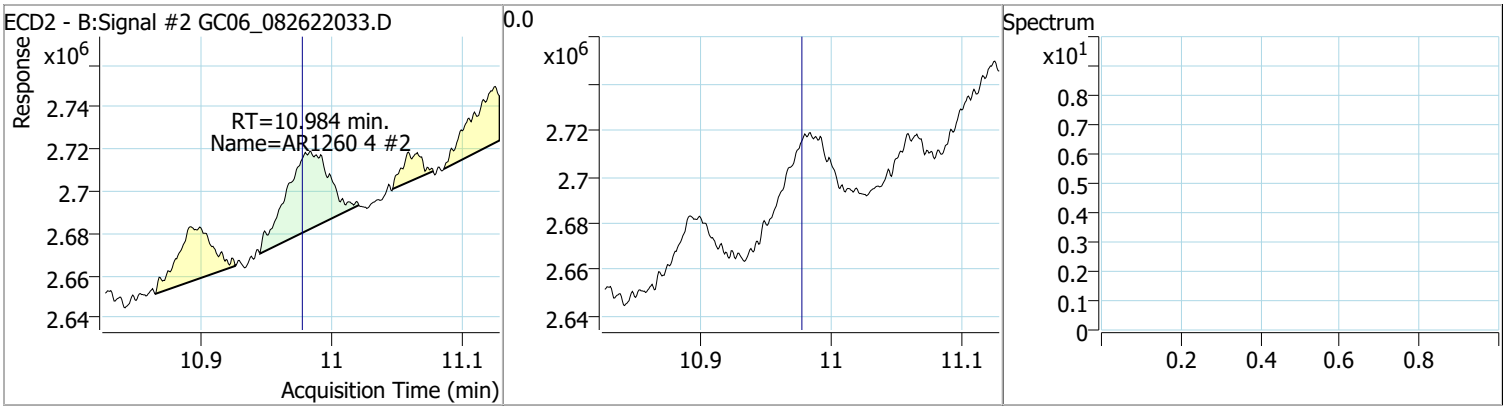
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.7658	10.47	-0.01	292155				



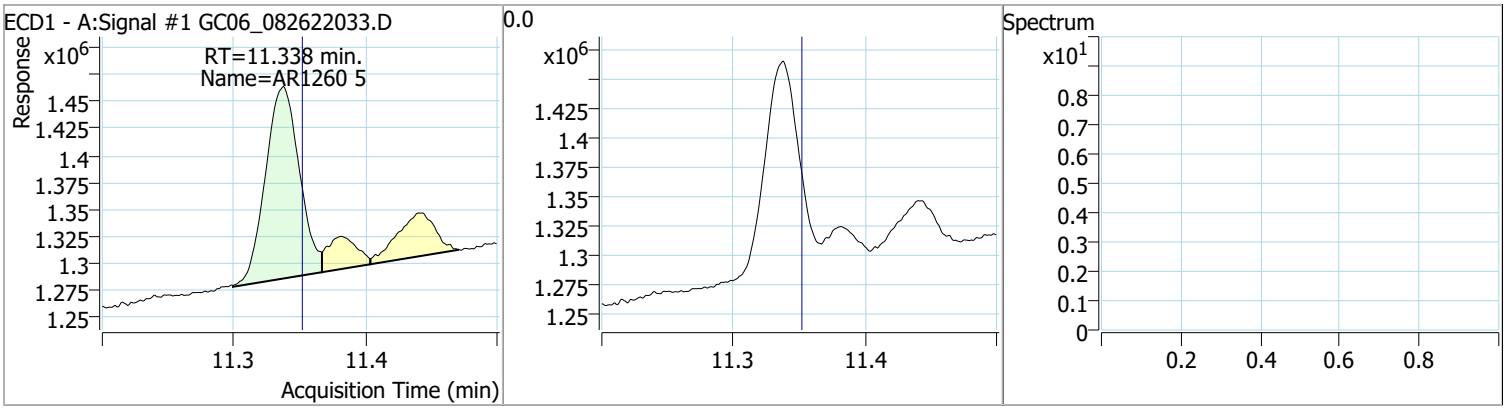
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	14.4983	10.56	-0.06	56677				



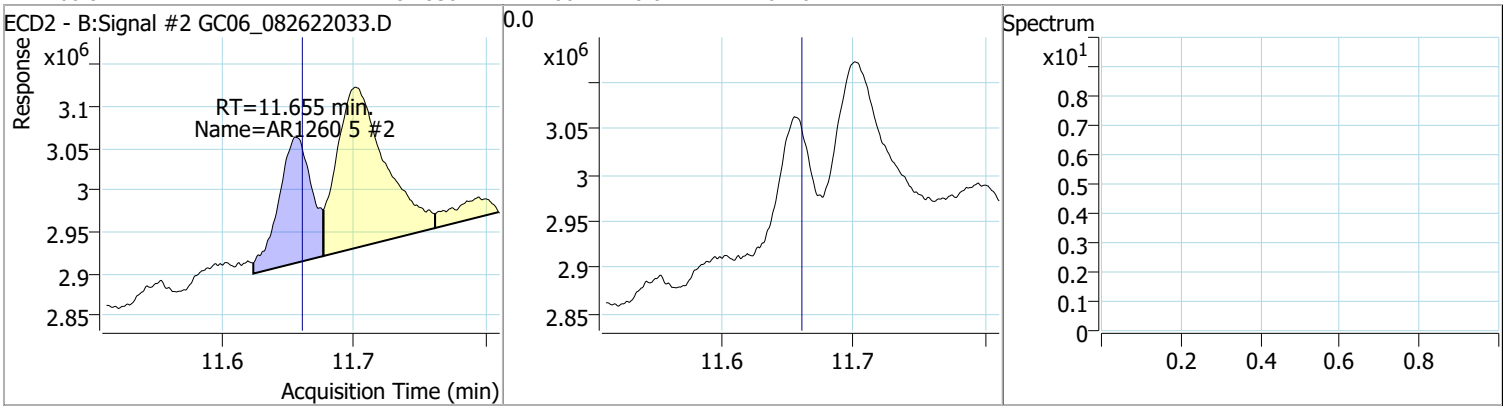
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	4.1537	10.98	0.01	84558				



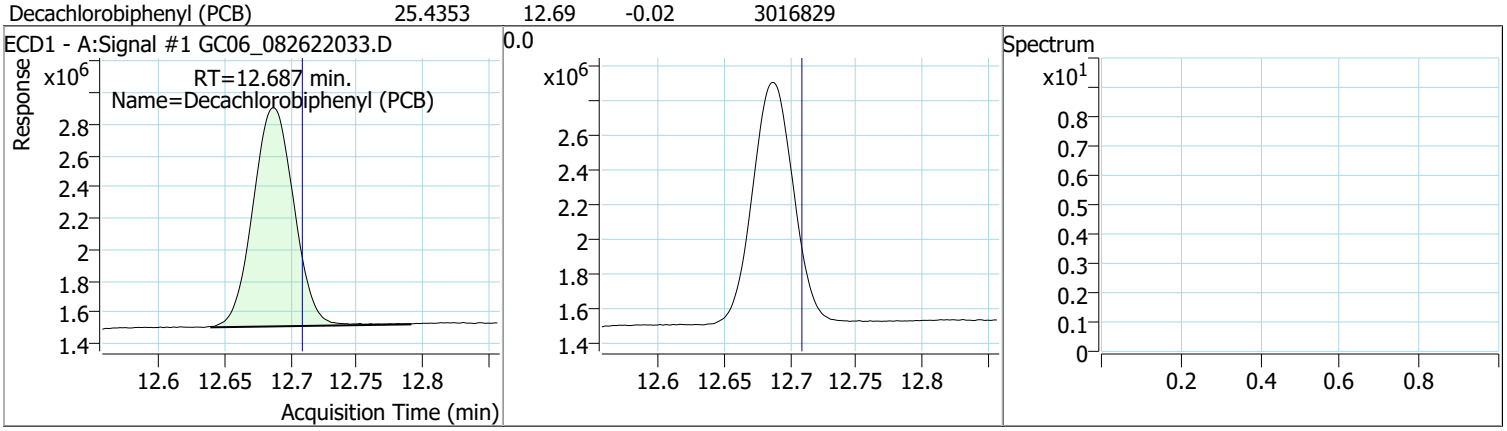
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	62.1220	11.34	-0.01	321419				



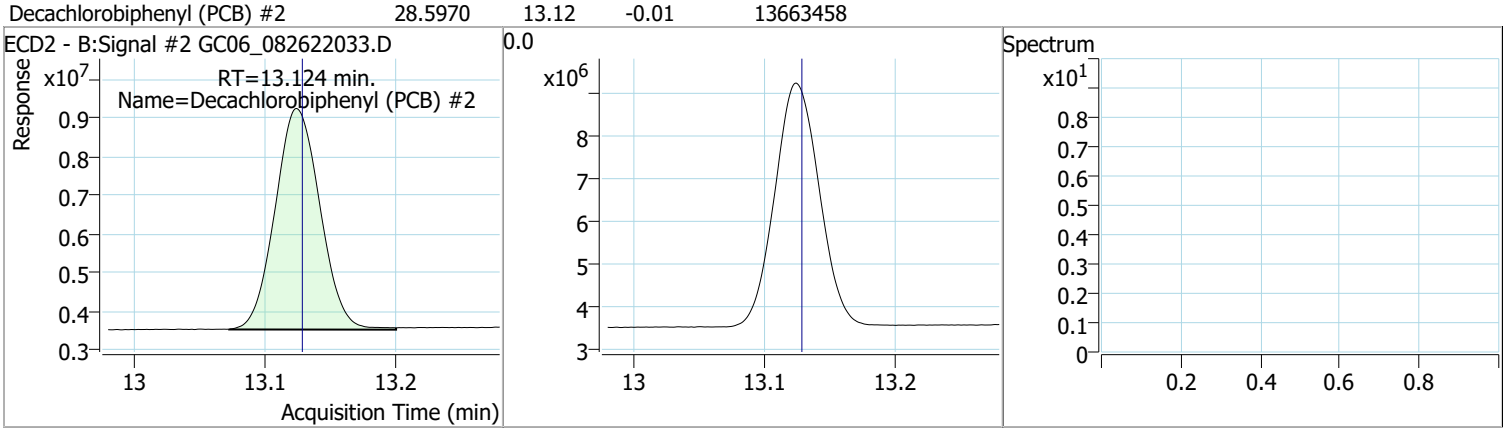
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	8.7530	11.66	-0.01	262707				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	25.4353	12.69	-0.02	3016829				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	28.5970	13.12	-0.01	13663458				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467872-003	Client ID:	DOOR-N-0.3GE-EXT-3 TO 4-220823-P-CB
Seqnum:	452343556034	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622034	Batch:	295631	Time:	26-AUG-2022 23:23
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	59.18	~~1.2~~ ~~FP~~	0.56	72%	1.0		x u
Aroclor-1016 Peak # 1	A	66.60	1.33	1.32	1%			
Aroclor-1016 Peak # 2	A	2.814	0.06	0.20	111%			
Aroclor-1016 Peak # 3	A	5.330	0.11	0.99	161%			
Aroclor-1016 Peak # 4	A	75.36	1.51	0.20	152%			
Aroclor-1016 Peak # 5	A	145.8	2.92	0.09	188%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	18.73	ND	0.12	100%	1.0		u
Aroclor-1260 Peak # 1	A	19.81	0.40	0.04	167%			
Aroclor-1260 Peak # 2	A	1.006	0.02	0.32	176%			
Aroclor-1260 Peak # 3	A	3.048	0.06	0.15	83%			
Aroclor-1260 Peak # 4	A	34.39	0.69	0.06	169%			
Aroclor-1260 Peak # 5	A	35.38	0.71	0.06	168%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	46.20	1.000	0.9240	92	52-186	c+ u
Decachlorobiphenyl (PCB)	A	28.43	1.000	0.5685	57	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	8533392	3.83
1-bromo-2-nitrobenzene (PCB)	A	1919479	1634001	-14.87

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

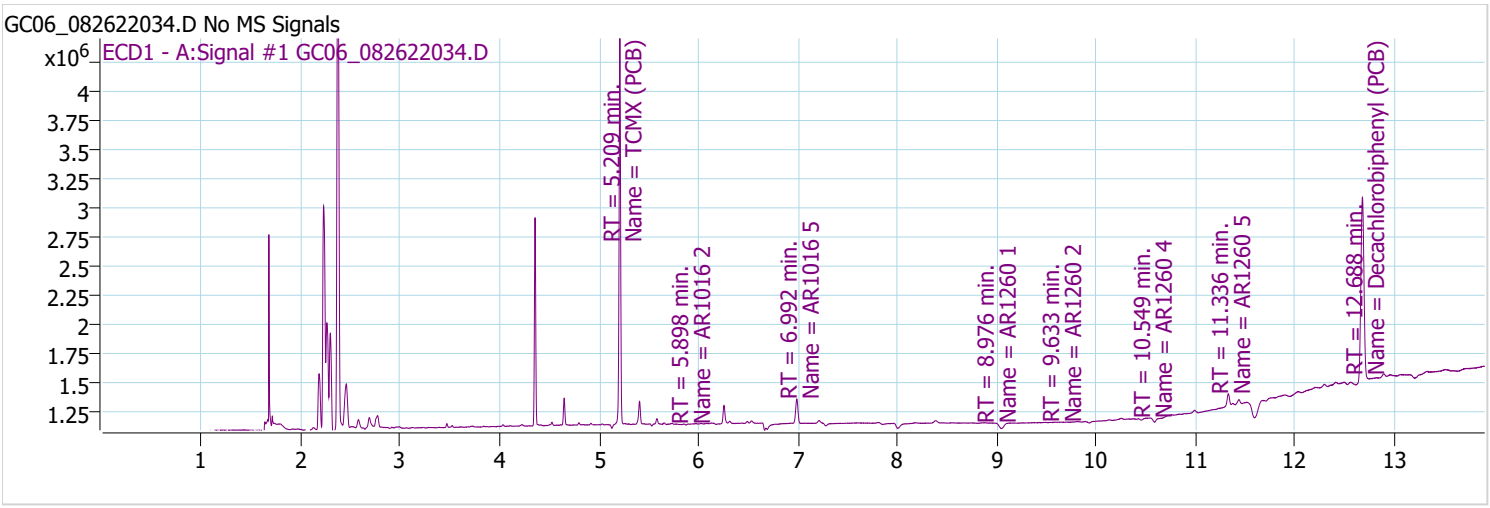
ISTD (CCV gc06_082622002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.12	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

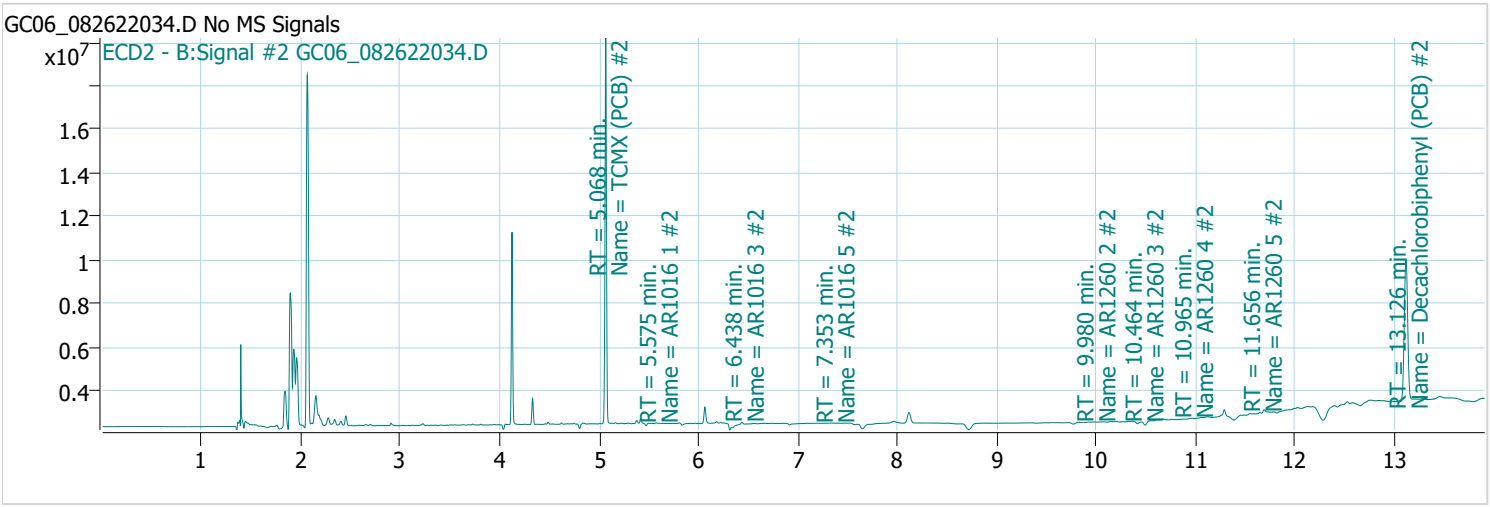
Analyst: TRN 08/29/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622034.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 11:23:33 PM
Sample Name	467872-003, 295631, 1	Instrument	SVOA-GC06
Vial	24	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



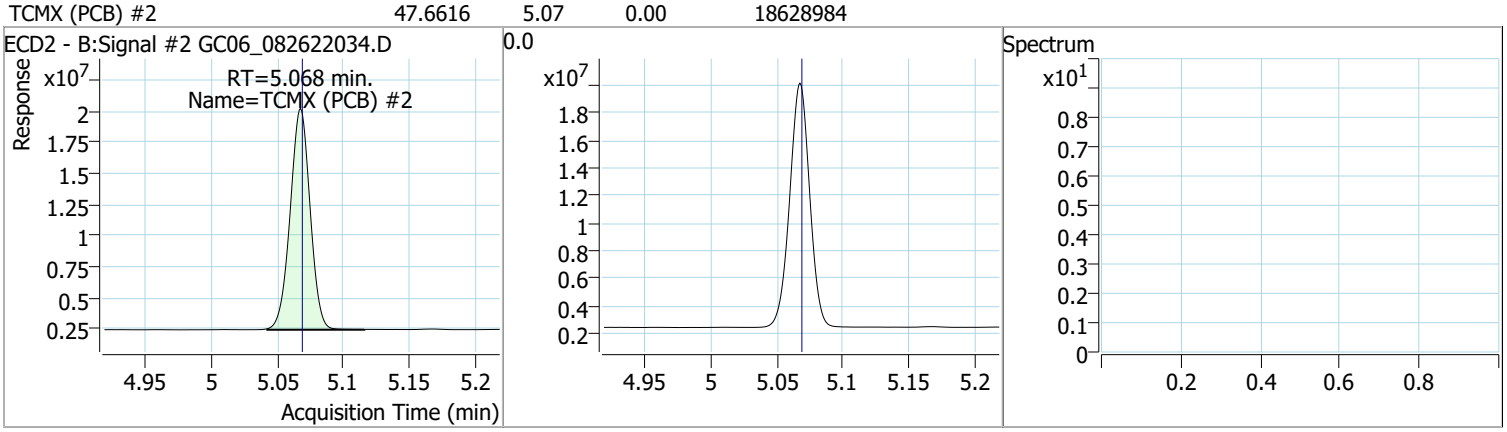


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	8533391.938	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB)	4.356	0.0	1634001.211	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB) #2	5.068	0.0	18628983.805	47.6616	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 238.31%		*	
S TCMX (PCB)	5.209	0.0	3630120.241	46.1871	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 230.94%		*	
S Decachlorobiphenyl (PCB)	12.688	0.0	3530753.294	28.4188	ng/ml		-0.018
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 142.09%			
S Decachlorobiphenyl (PCB) #2	13.126	0.0	15744363.895	30.5762	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 152.88%		*	
Target Compounds							QValue

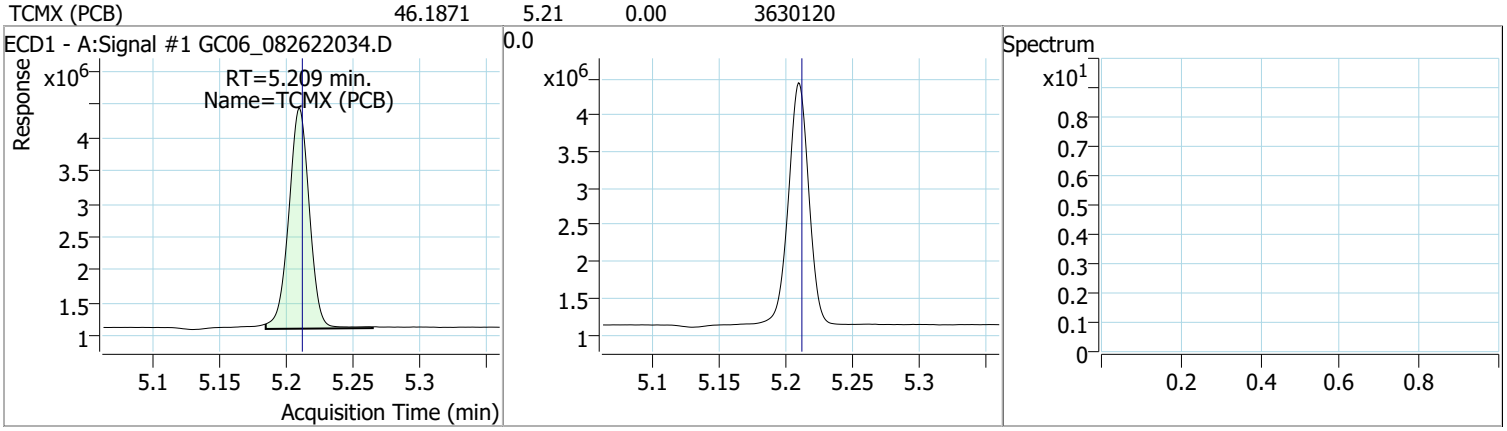
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.575	0.0	526367.289	65.8679	ng/ml	100
T AR1016 1	5.583	0.0	106428.350	66.5868	ng/ml	100
T AR1016 2 #2	5.886	0.0	163961.601	9.8868	ng/ml	100
T AR1016 2	5.898	0.0	9789.246	2.8129	ng/ml	100
T AR1016 3 #2	6.438	0.0	1080772.128	49.4162	ng/ml	100
T AR1016 3	6.317	0.0	21825.883	5.3288	ng/ml	100
T AR1016 4	6.537	0.0	230938.610	75.3454	ng/ml	100
T AR1016 4 #2	6.560	0.0	150903.640	10.1701	ng/ml	100
T AR1016 5	6.992	0.0	345526.152	145.7321	ng/ml	100
T AR1016 5 #2	7.353	0.0	51565.101	4.4450	ng/ml	100
T AR1260 1	8.976	0.0	101819.396	19.8005	ng/ml	100
T AR1260 1 #2	9.498	0.0	45244.770	1.7518	ng/ml	100
T AR1260 2	9.633	0.0	7962.346	1.0053	ng/ml	100
T AR1260 2 #2	9.980	0.0	477662.763	16.0062	ng/ml	100
T AR1260 3	10.135	0.0	25092.064	3.0475	ng/ml	100
T AR1260 3 #2	10.464	0.0	297854.051	7.3464	ng/ml	100
T AR1260 4	10.549	0.0	140788.117	34.3816	ng/ml	100
T AR1260 4 #2	10.965	0.0	62324.032	2.8408	ng/ml	100
T AR1260 5	11.336	0.0	191681.000	35.3676	ng/ml	100
T AR1260 5 #2	11.656	0.0	101163.094	3.1276	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

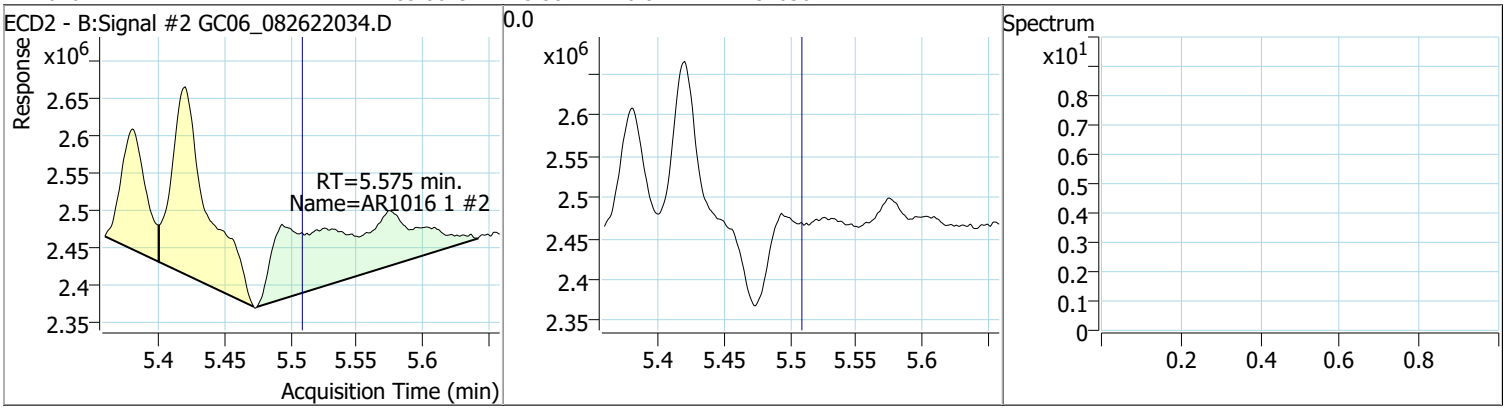
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	47.6616	5.07	0.00	18628984				



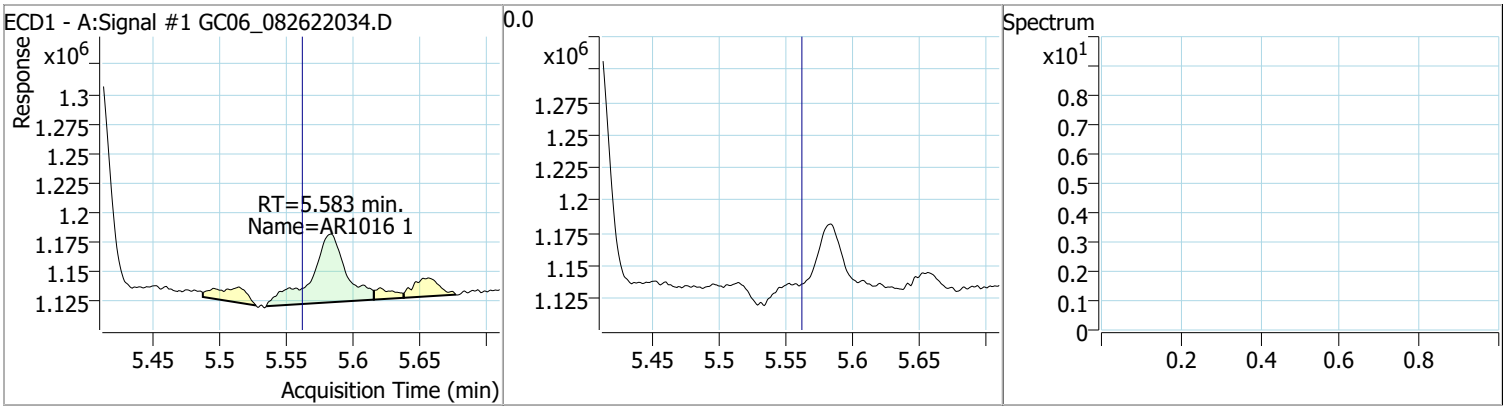
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	46.1871	5.21	0.00	3630120				



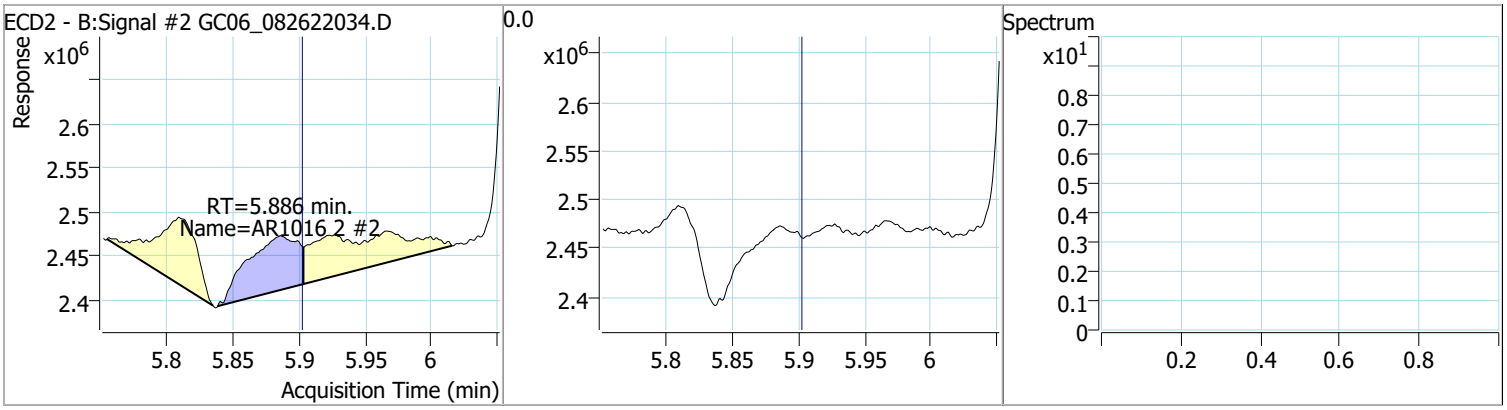
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	65.8679	5.58	0.07	526367				



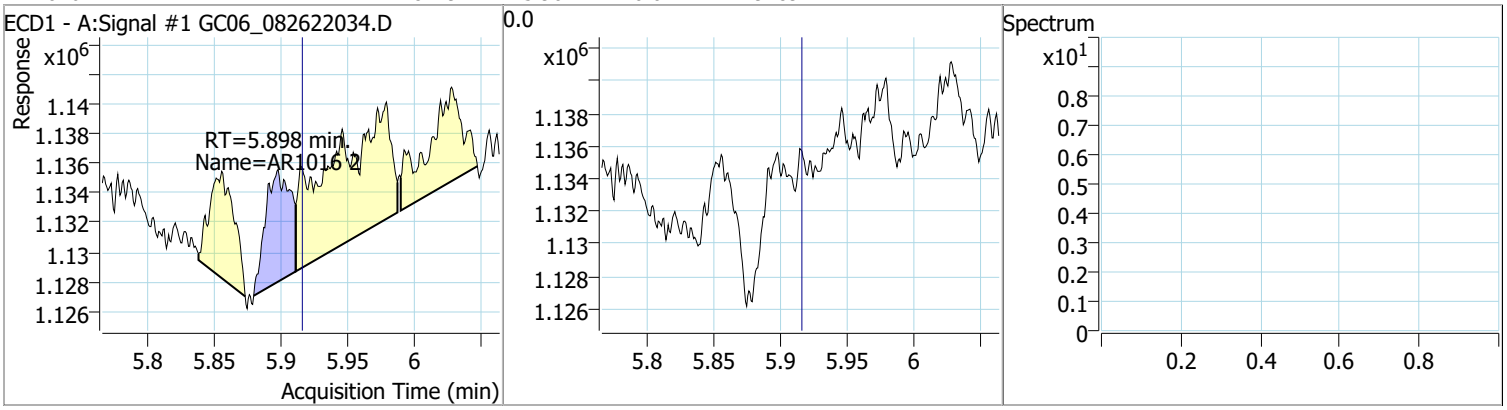
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	66.5868	5.58	0.02	106428				



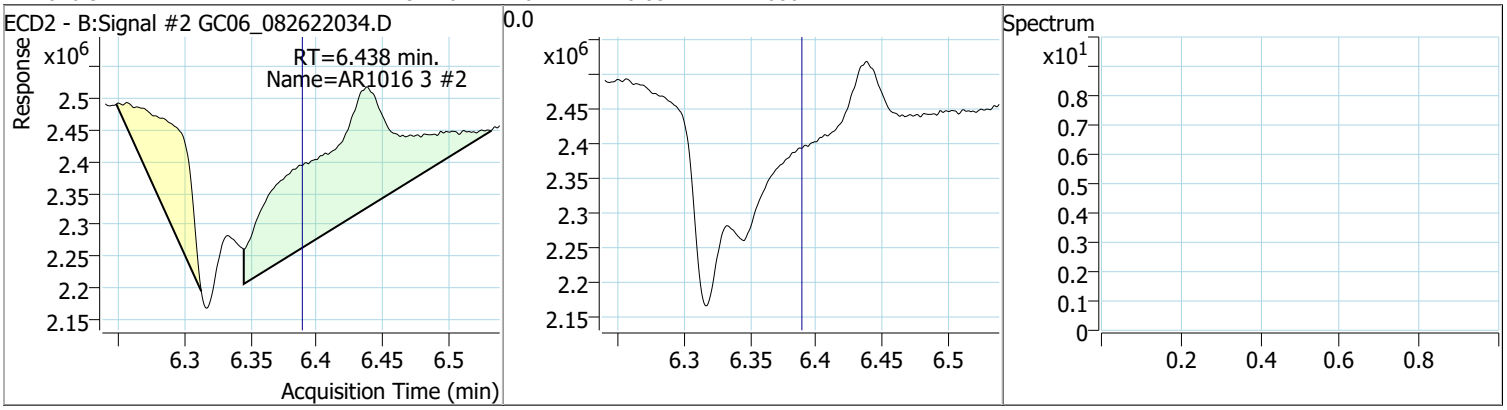
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	9.8868	5.89	-0.02	163962				



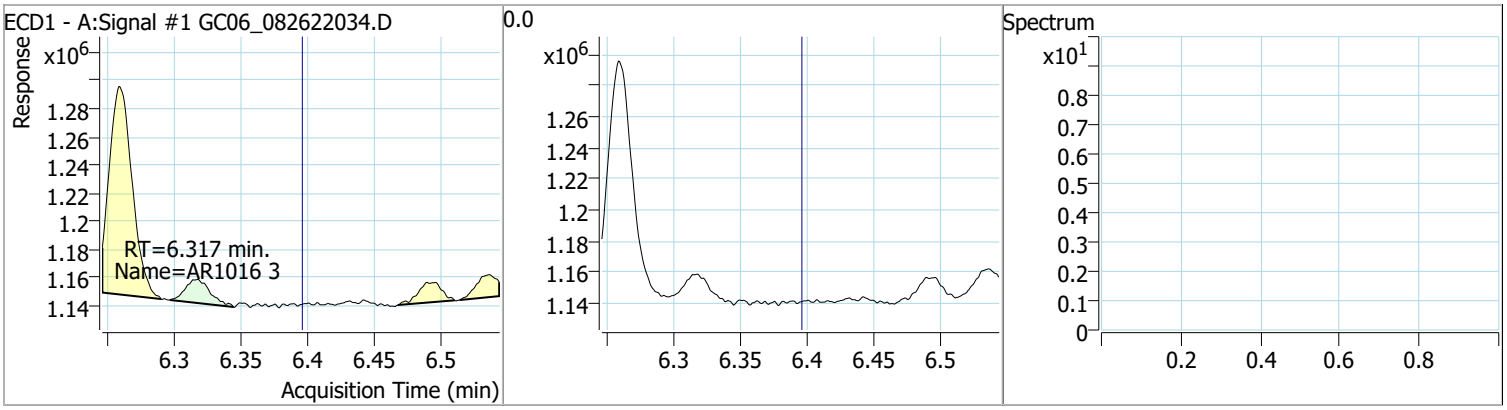
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	2.8129	5.90	-0.02	9789				



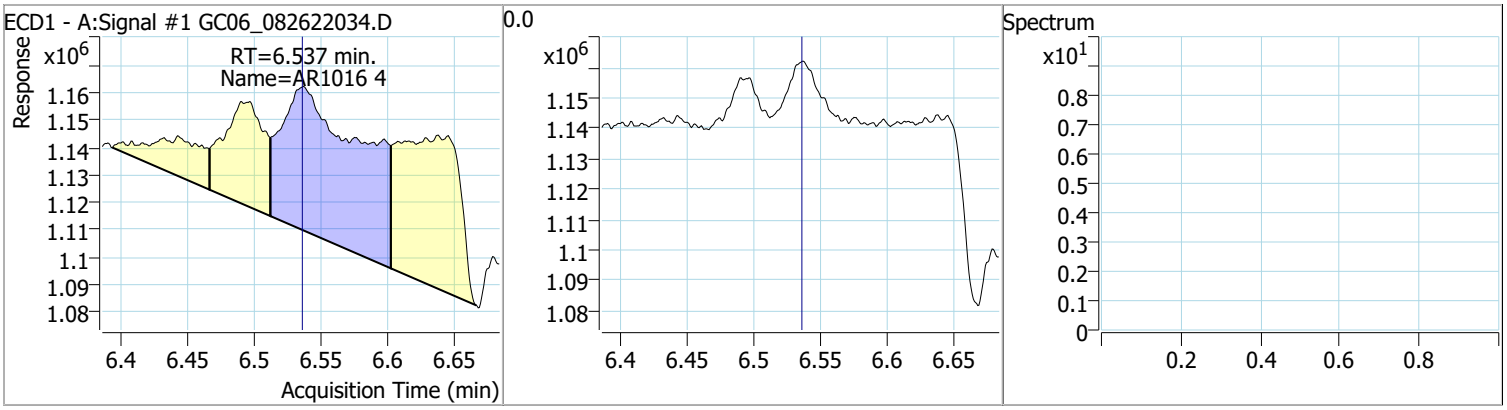
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	49.4162	6.44	0.05	1080772				



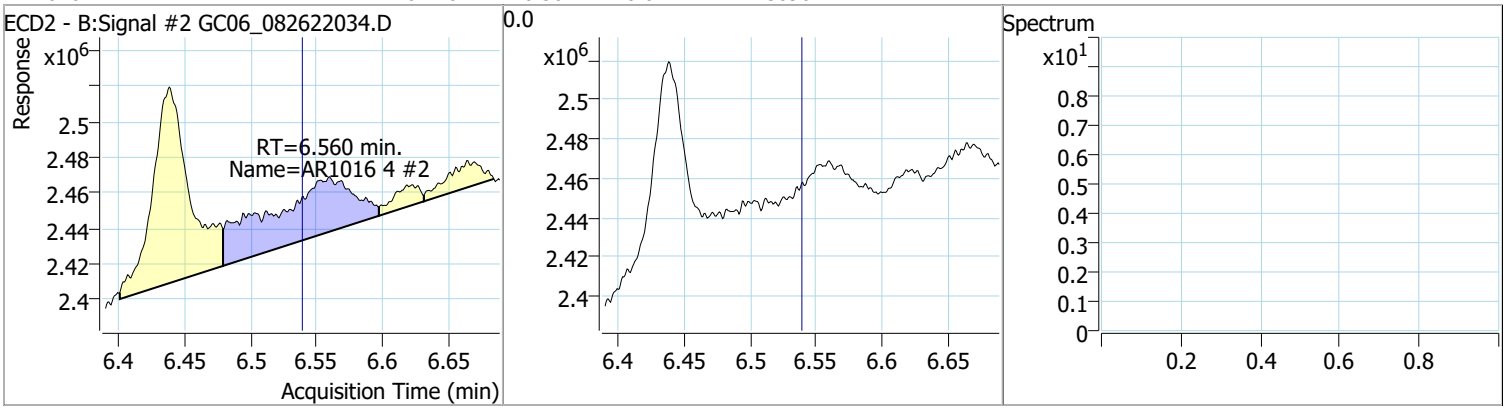
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	5.3288	6.32	-0.08	21826				



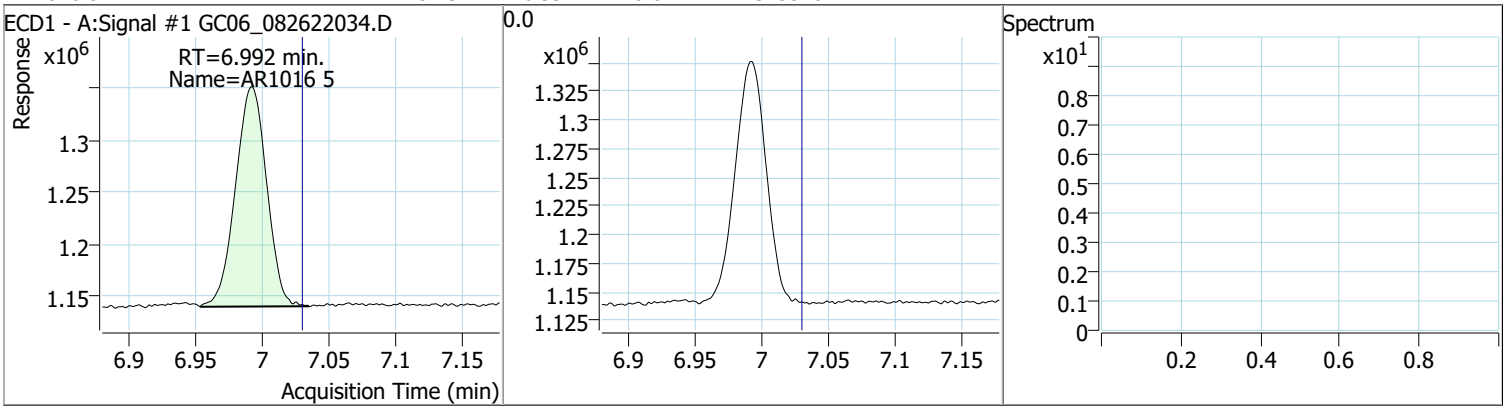
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	75.3454	6.54	0.00	230939				



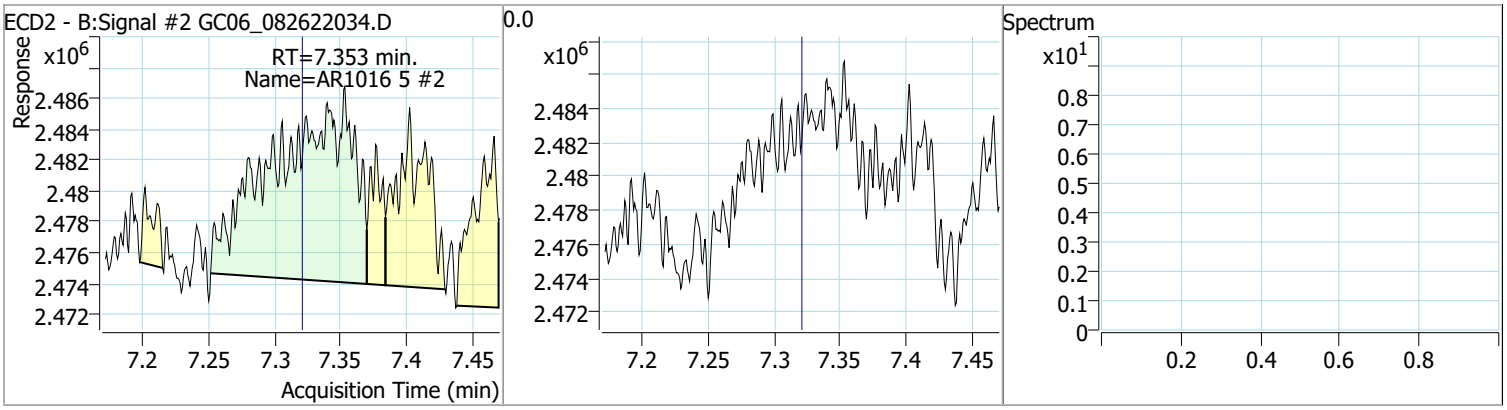
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	10.1701	6.56	0.02	150904				



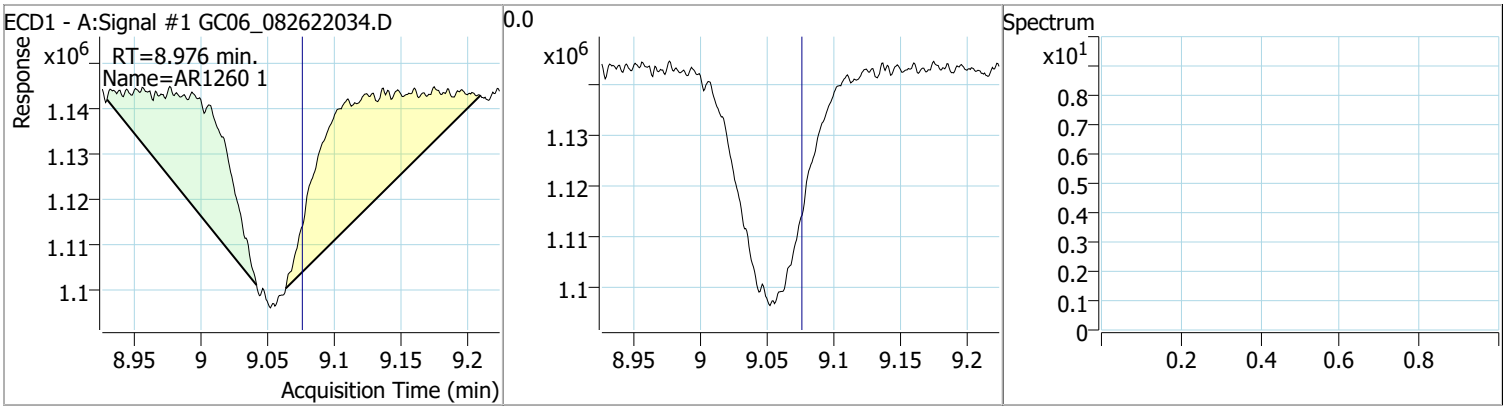
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	145.7321	6.99	-0.04	345526				



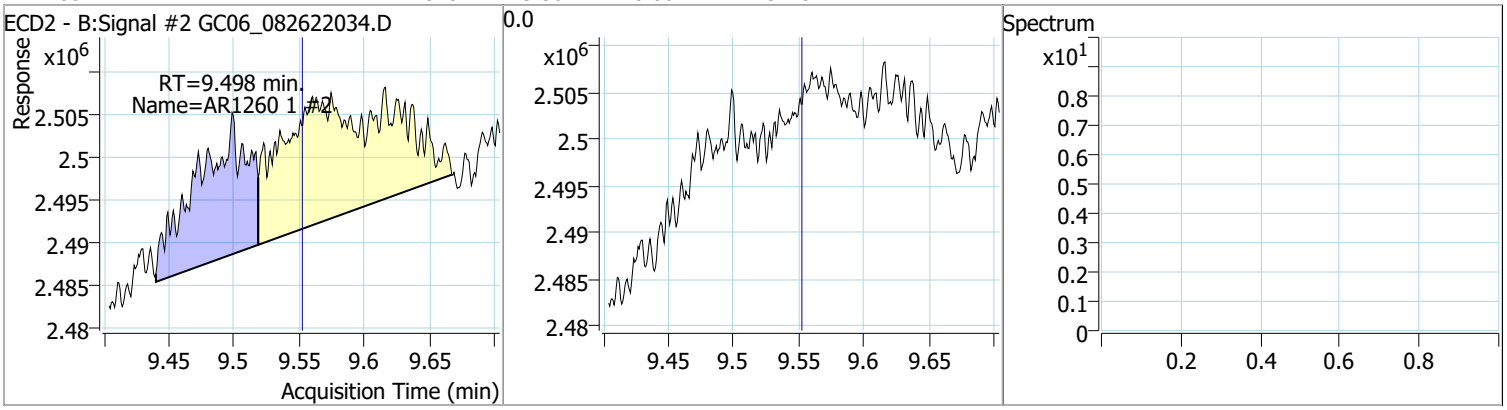
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	4.4450	7.35	0.03	51565				



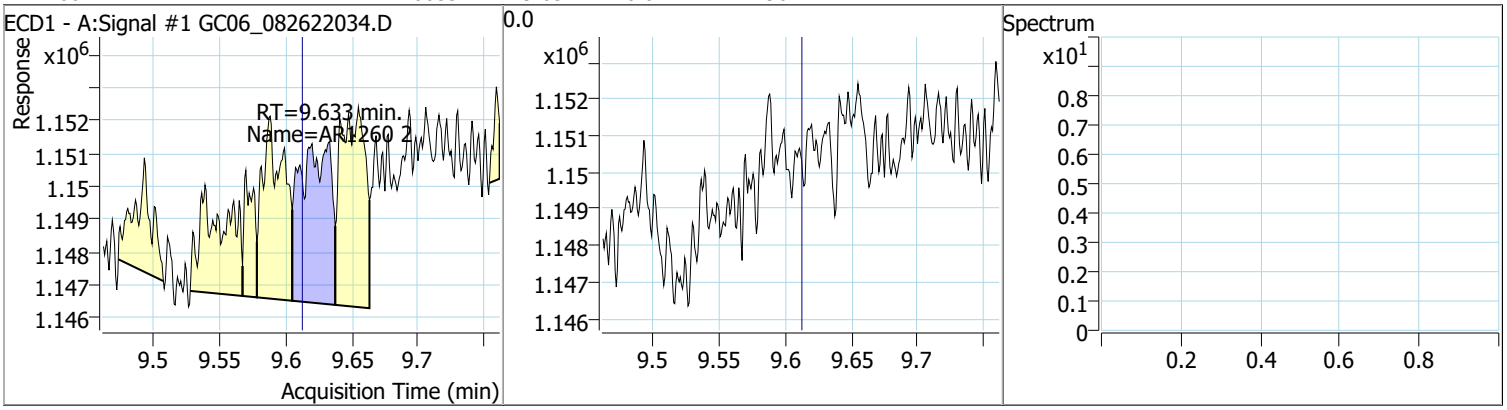
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	19.8005	8.98	-0.10	101819				



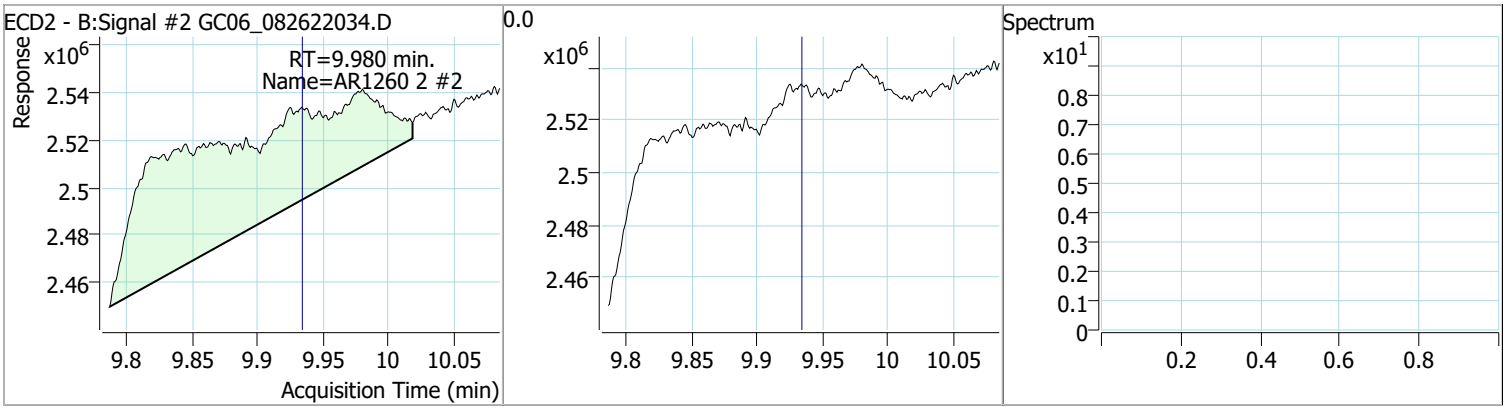
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1.7518	9.50	-0.06	45245				



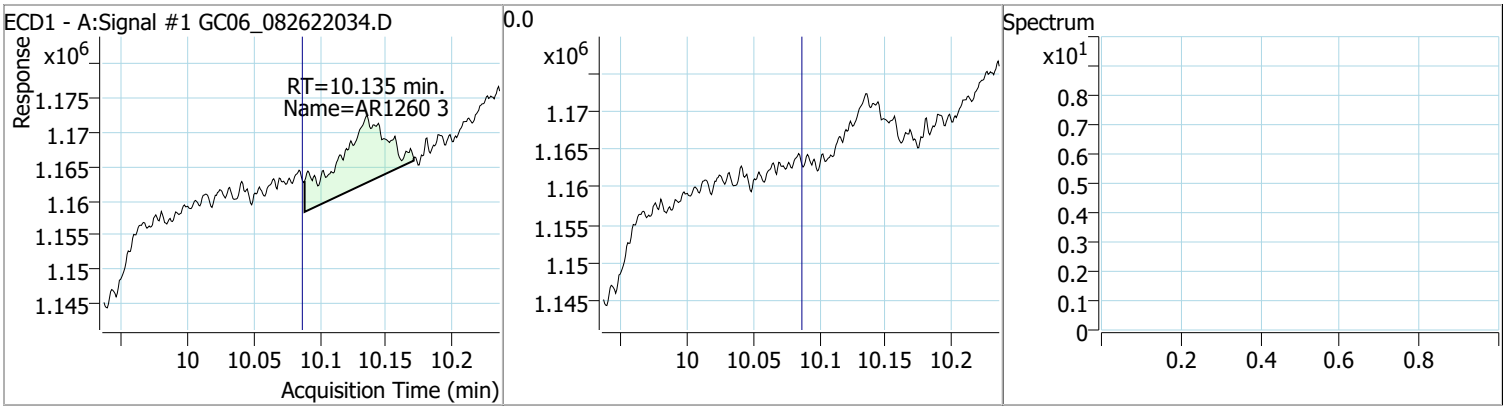
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.0053	9.63	0.02	7962				



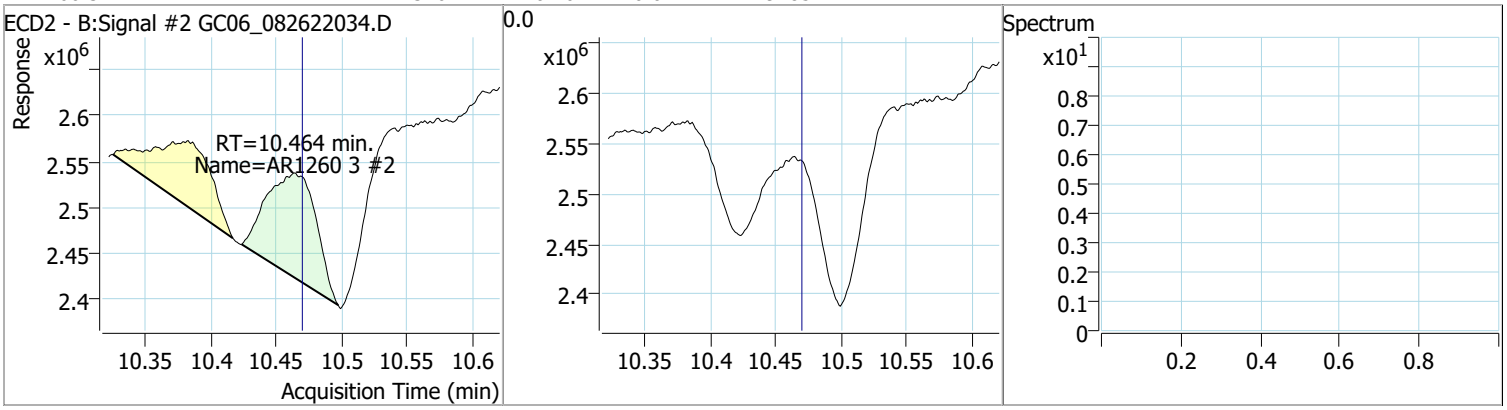
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	16.0062	9.98	0.04	477663				



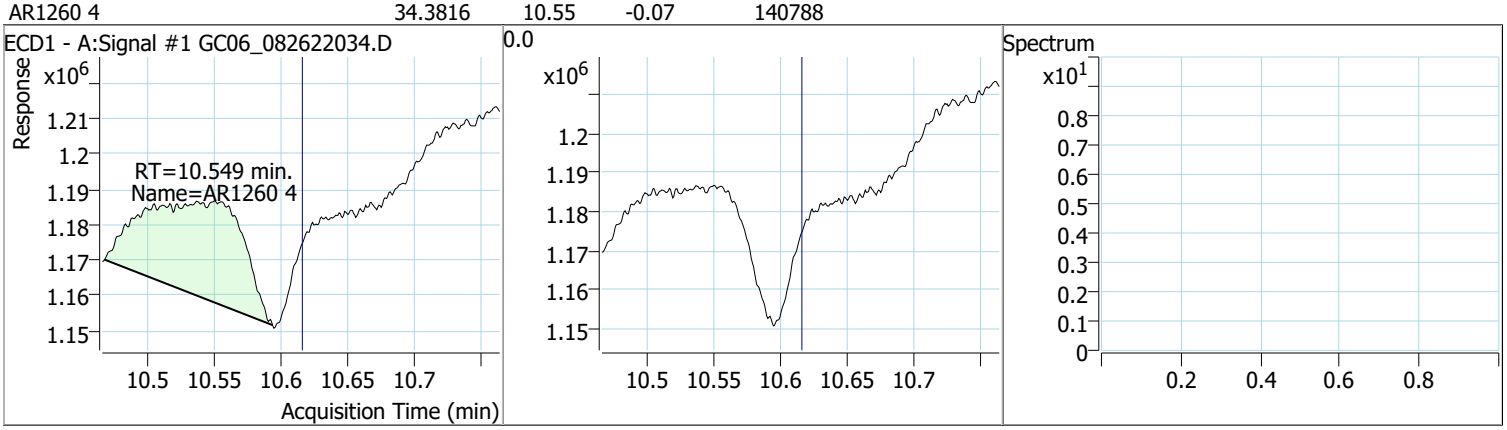
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	3.0475	10.14	0.05	25092				



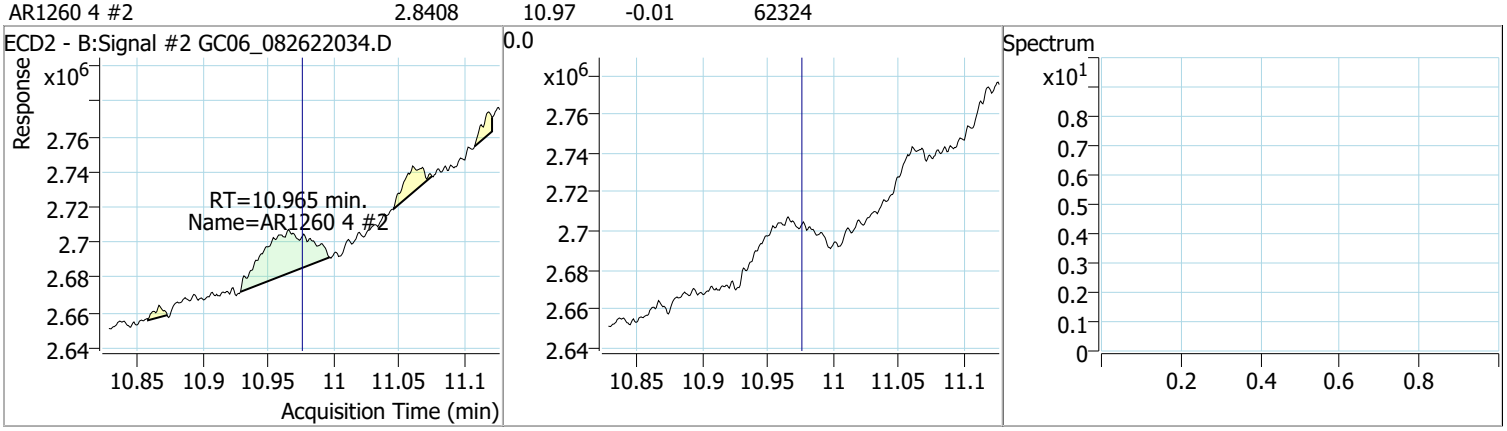
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.3464	10.46	-0.01	297854				



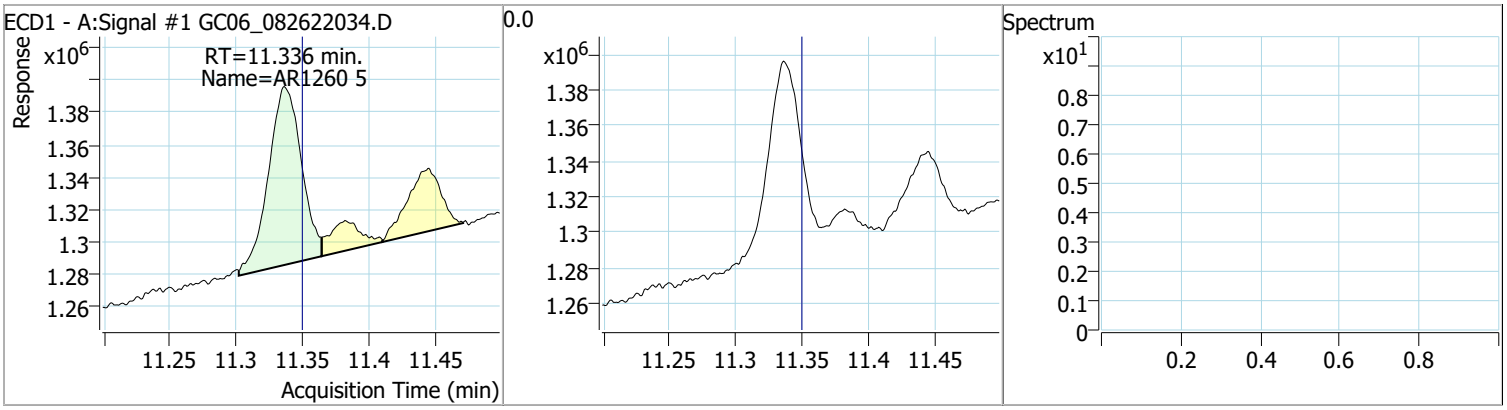
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	34.3816	10.55	-0.07	140788				



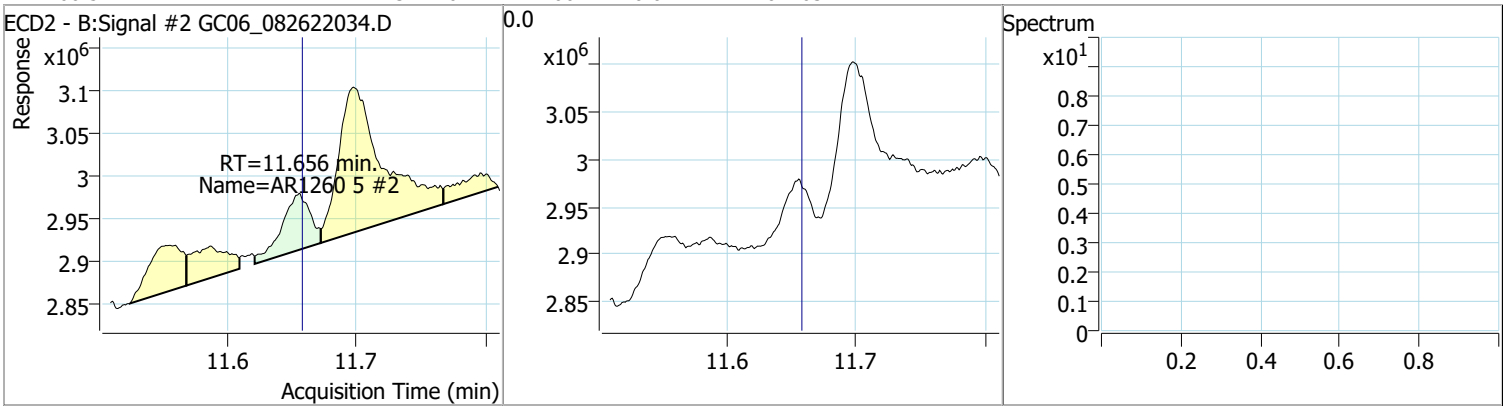
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	2.8408	10.97	-0.01	62324				



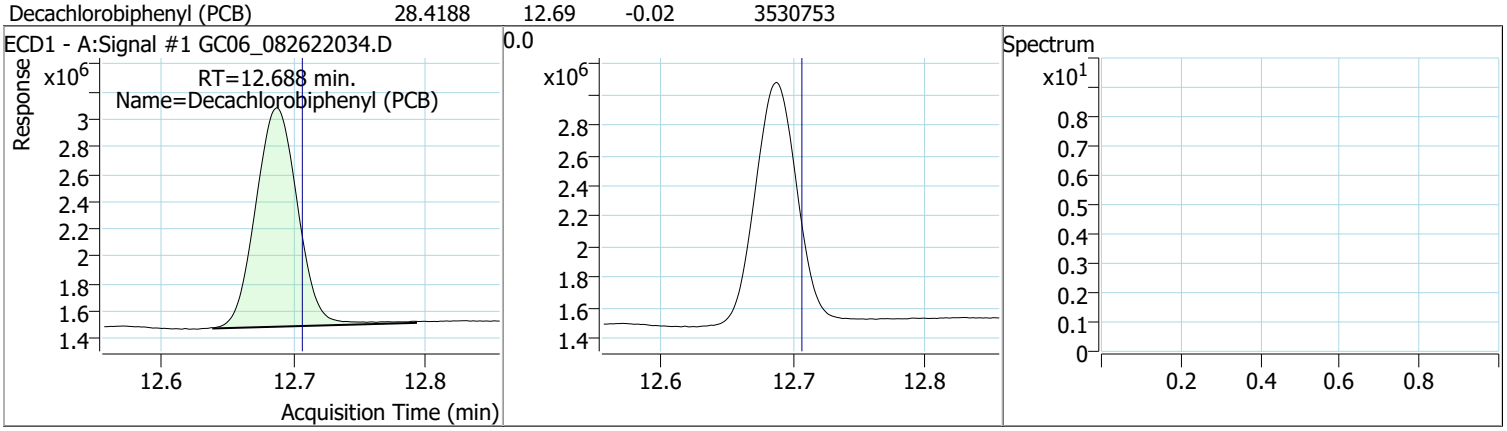
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	35.3676	11.34	-0.01	191681				



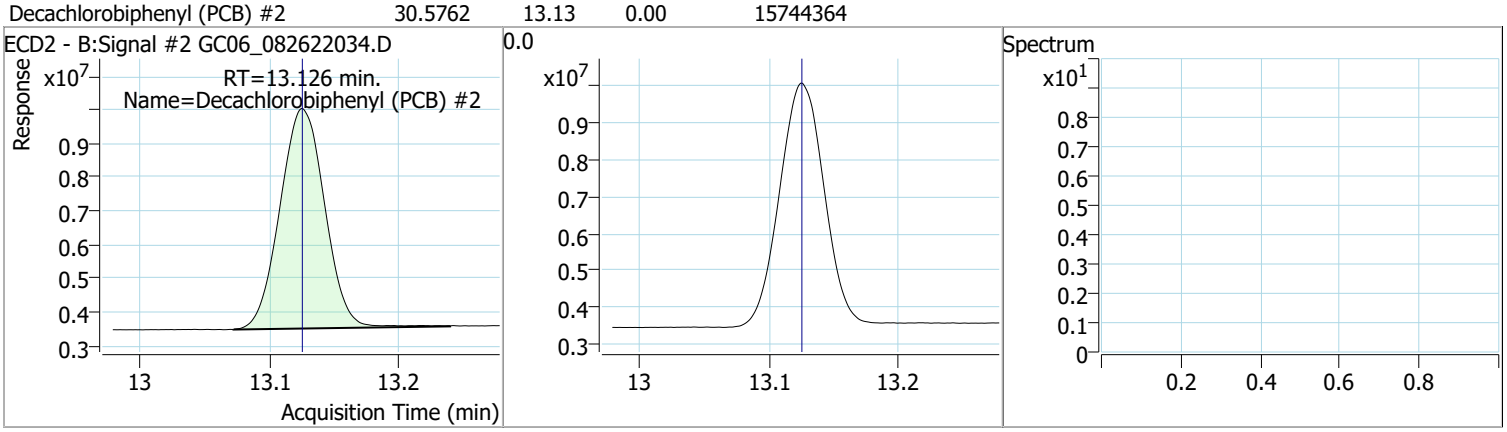
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	3.1276	11.66	-0.01	101163				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	28.4188	12.69	-0.02	3530753				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	30.5762	13.13	0.00	15744364				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467872-005	Client ID:	DOOR-N-0.4GE-INT-17 TO 18-220823-P-CB
Seqnum:	452343556035	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622035	Batch:	295631	Time:	26-AUG-2022 23:40
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	66.13	~~1.3~~ ~~FP~~	0.56	82%	1.0		x u
Aroclor-1016 Peak # 1	A	66.93	1.34	1.08	21%			
Aroclor-1016 Peak # 2	A	2.389	0.05	0.60	171%			
Aroclor-1016 Peak # 3	A	7.125	0.14	0.69	131%			
Aroclor-1016 Peak # 4	A	83.92	1.68	0.24	150%			
Aroclor-1016 Peak # 5	A	170.3	3.41	0.17	181%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	27.64	ND	0.18	102%	1.0		u
Aroclor-1260 Peak # 1	A	33.77	0.68	0.32	72%			
Aroclor-1260 Peak # 2	A	9.391	0.19	0.08	80%			
Aroclor-1260 Peak # 3	A	2.689	0.05	0.16	101%			
Aroclor-1260 Peak # 4	A	40.26	0.81	0.29	93%			
Aroclor-1260 Peak # 5	A	52.11	1.04	0.04	185%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	49.29	1.000	0.9857	99	52-186	c+ u
Decachlorobiphenyl (PCB)	A	39.27	1.000	0.7853	79	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	9827992	19.58
1-bromo-2-nitrobenzene (PCB)	A	1919479	1840514	-4.11

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

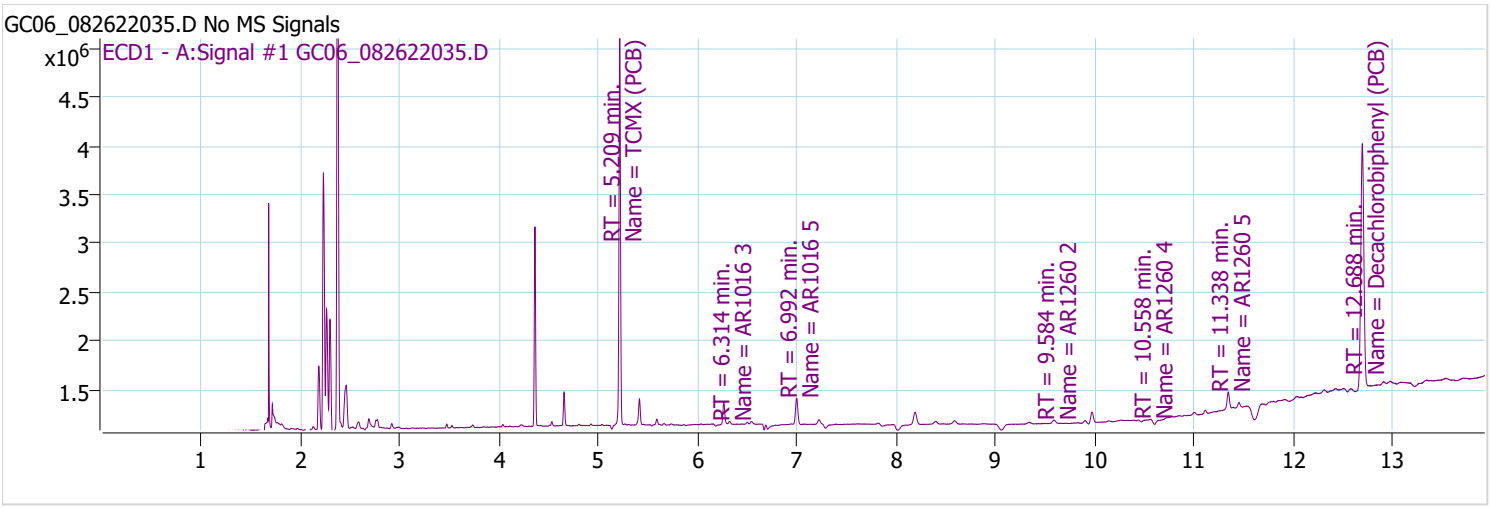
ISTD (CCV gc06_082622002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.12	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

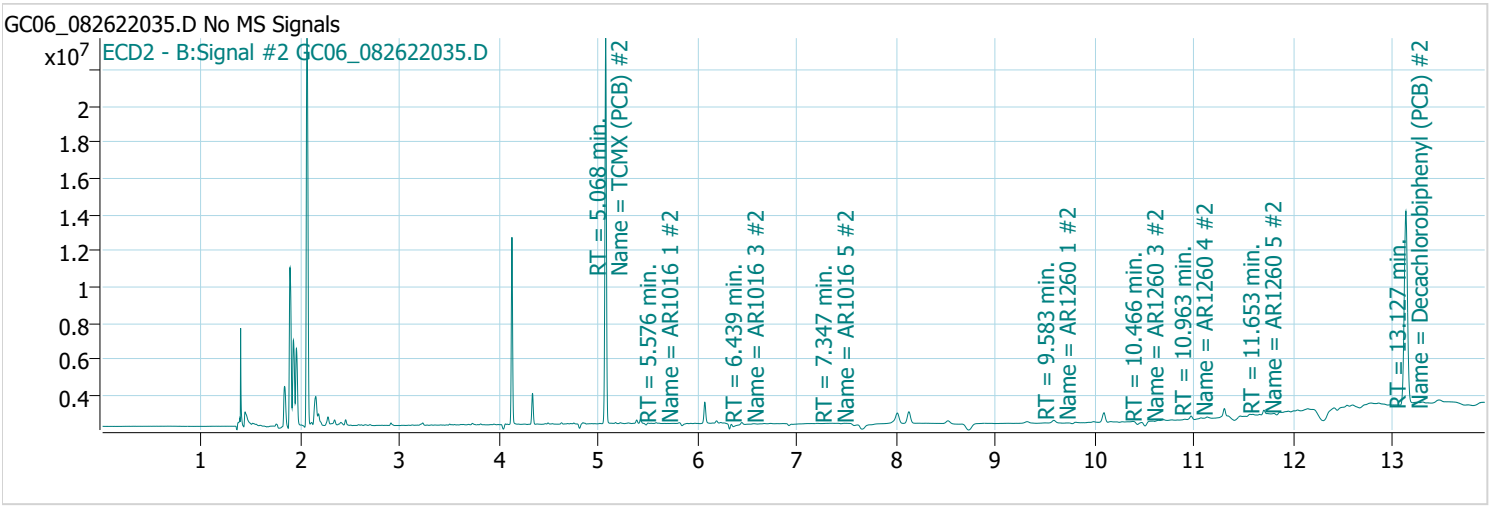
Analyst: TRN 08/29/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622035.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 11:40:55 PM
Sample Name	467872-005, 295631, 1	Instrument	SVOA-GC06
Vial	25	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



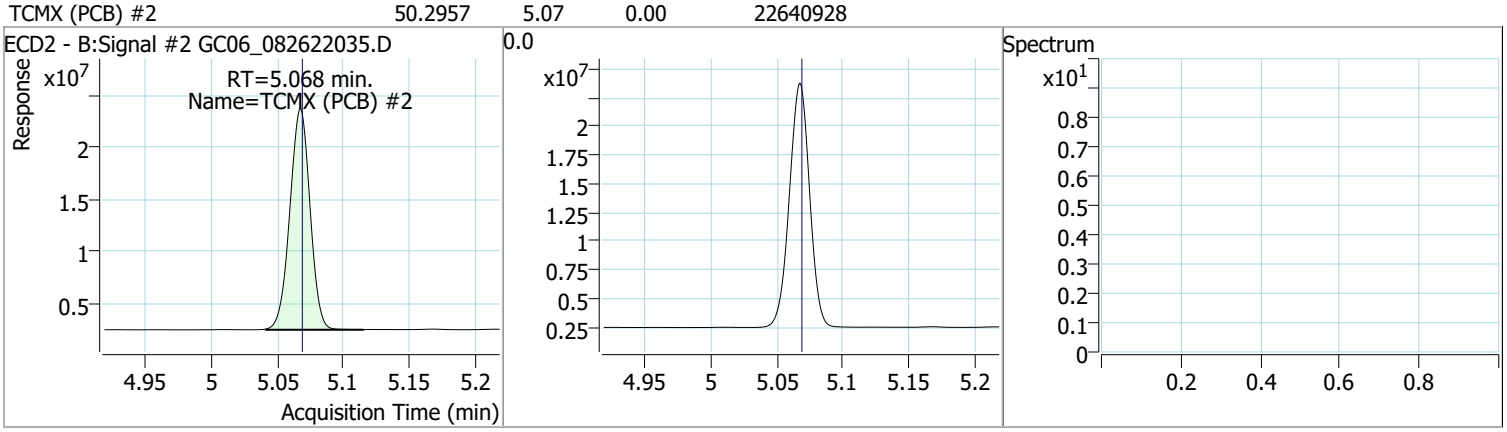


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	9827991.824	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB)	4.355	0.0	1840513.929	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB) #2	5.068	0.0	22640927.514	50.2957	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 251.48%		*	
S TCMX (PCB)	5.209	0.0	4362273.915	49.2749	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 246.37%		*	
S Decachlorobiphenyl (PCB)	12.688	0.0	5493622.306	39.2564	ng/ml		-0.018
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 196.28%		*	
S Decachlorobiphenyl (PCB) #2	13.127	0.0	24440307.927	41.2118	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 206.06%		*	
Target Compounds							QValue

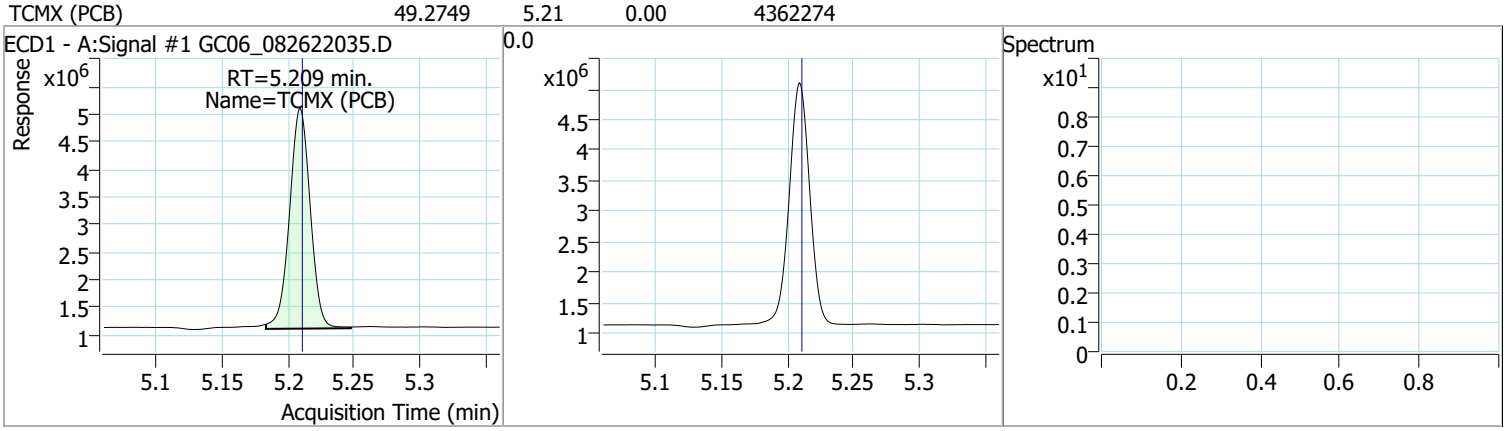
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.576	0.0	496635.300	53.9609	ng/ml	100
T AR1016 1	5.583	0.0	120465.278	66.9123	ng/ml	100
T AR1016 2 #2	5.968	0.0	575416.679	30.1269	ng/ml	100
T AR1016 2	5.859	0.0	9364.427	2.3889	ng/ml	100
T AR1016 3 #2	6.439	0.0	865265.115	34.3512	ng/ml	100
T AR1016 3	6.314	0.0	32860.670	7.1228	ng/ml	100
T AR1016 4	6.537	0.0	289650.225	83.8971	ng/ml	100
T AR1016 4 #2	6.561	0.0	205240.209	12.0101	ng/ml	100
T AR1016 5	6.992	0.0	454653.489	170.2426	ng/ml	100
T AR1016 5 #2	7.347	0.0	114128.588	8.5422	ng/ml	100
T AR1260 1	9.195	0.0	195550.920	33.7613	ng/ml	100
T AR1260 1 #2	9.583	0.0	474513.552	15.9525	ng/ml	100
T AR1260 2	9.584	0.0	83755.174	9.3882	ng/ml	100
T AR1260 2 #2	9.980	0.0	137908.030	4.0125	ng/ml	100
T AR1260 3	10.134	0.0	24930.719	2.6882	ng/ml	100
T AR1260 3 #2	10.466	0.0	381573.947	8.1716	ng/ml	100
T AR1260 4	10.558	0.0	185661.323	40.2527	ng/ml	100
T AR1260 4 #2	10.963	0.0	372122.925	14.7272	ng/ml	100
T AR1260 5	11.338	0.0	318011.288	52.0933	ng/ml	100
T AR1260 5 #2	11.653	0.0	75138.609	2.0170	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

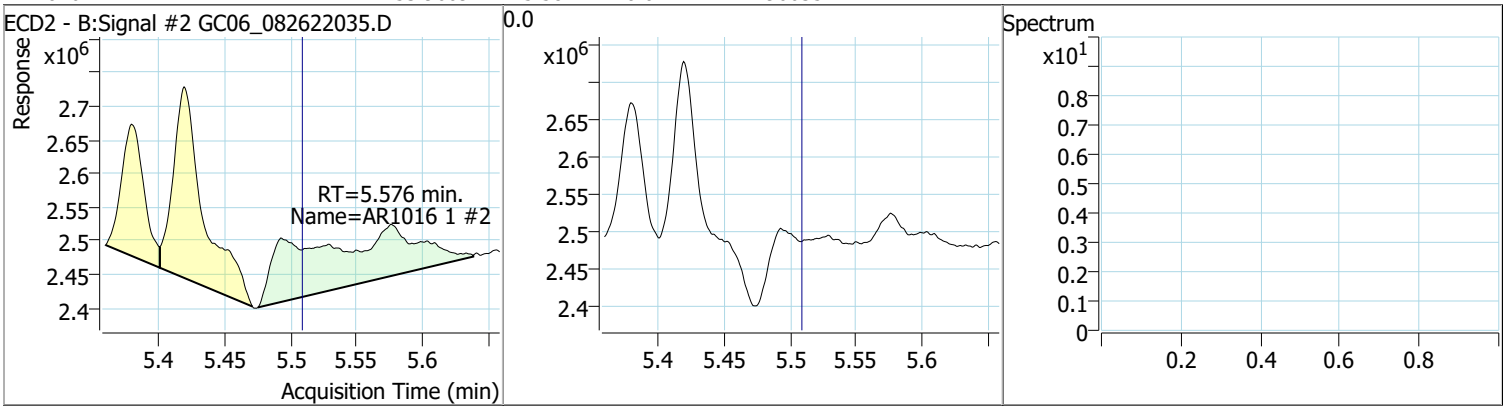
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	50.2957	5.07	0.00	22640928				



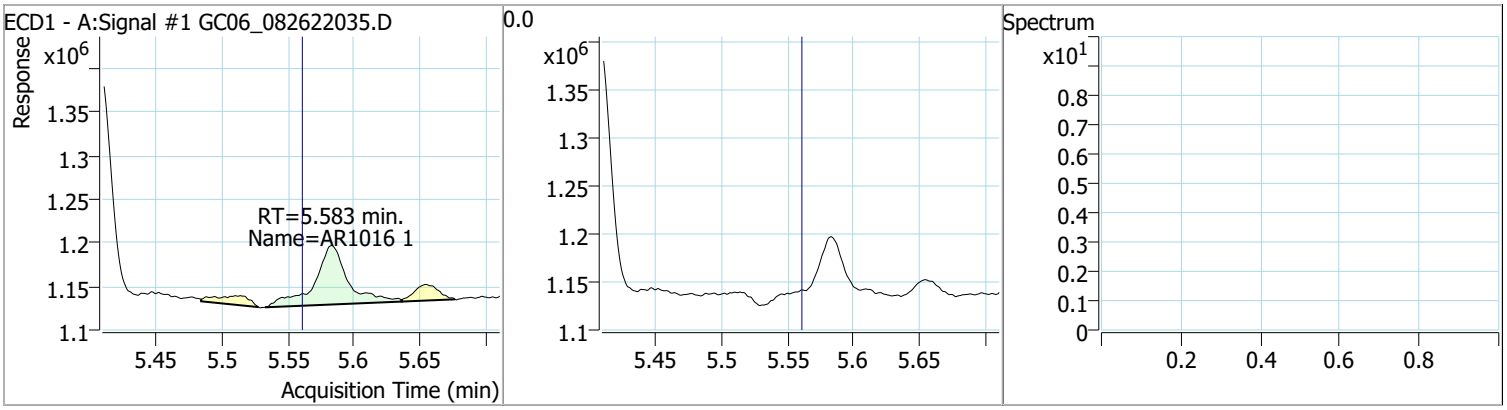
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	49.2749	5.21	0.00	4362274				



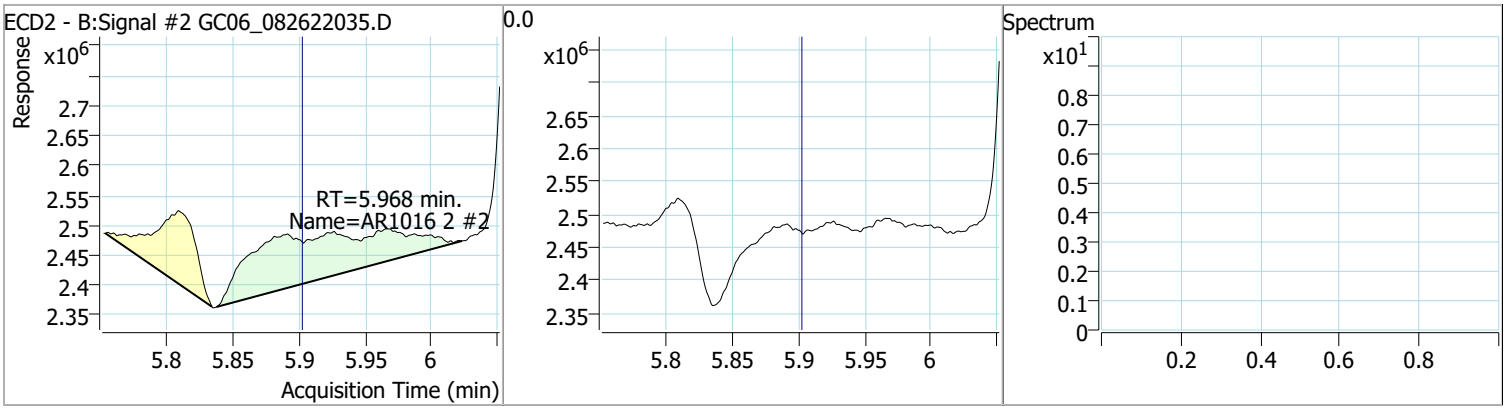
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	53.9609	5.58	0.07	496635				



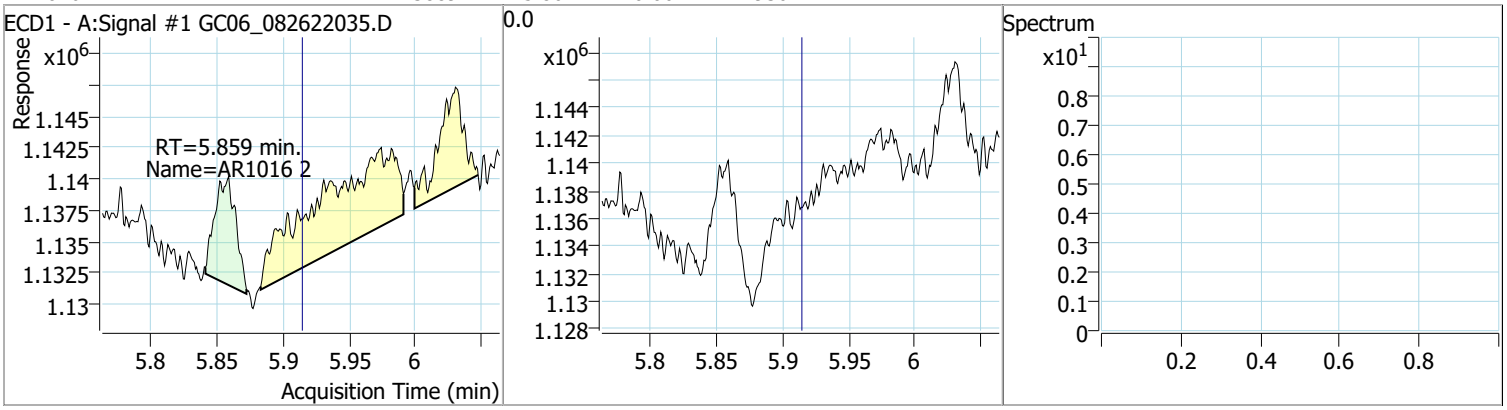
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	66.9123	5.58	0.02	120465				



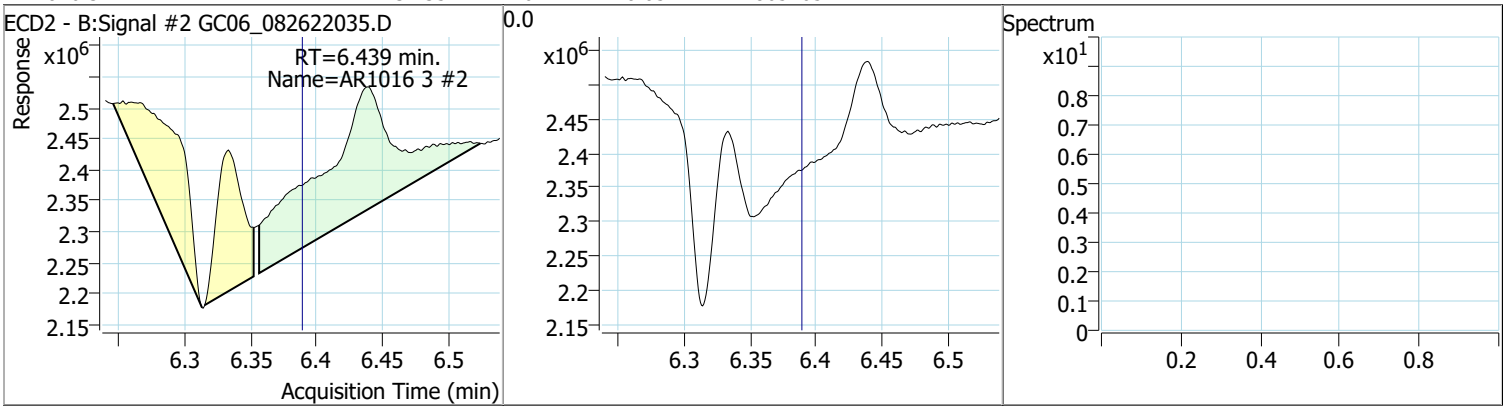
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	30.1269	5.97	0.06	575417				



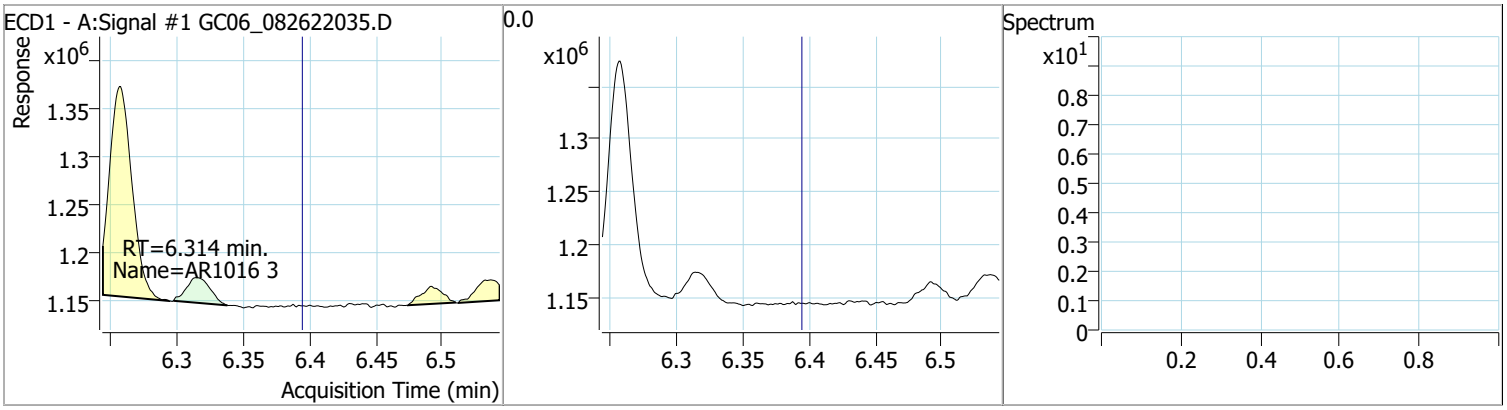
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	2.3889	5.86	-0.06	9364				



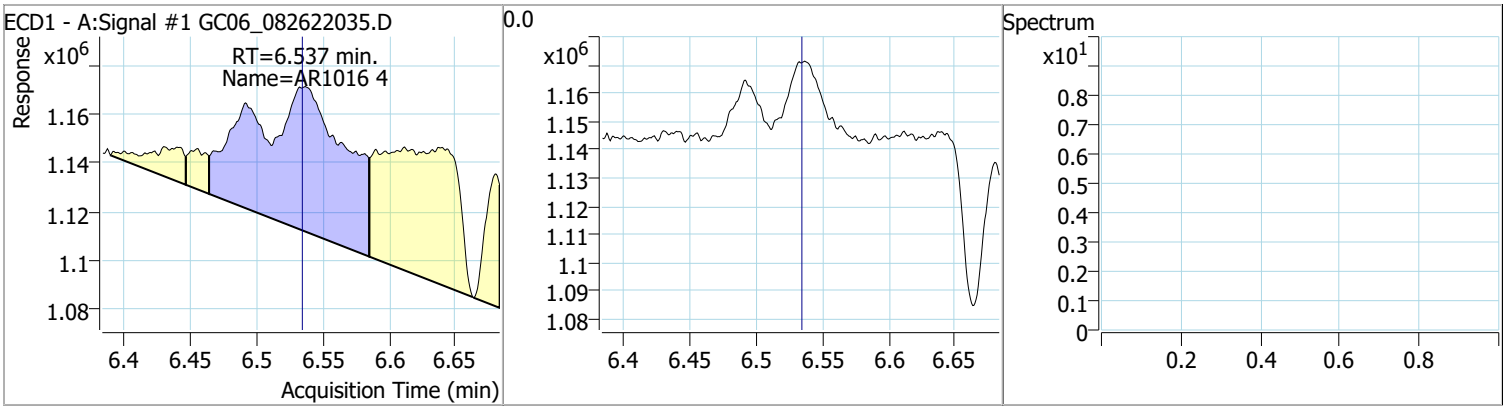
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	34.3512	6.44	0.05	865265				



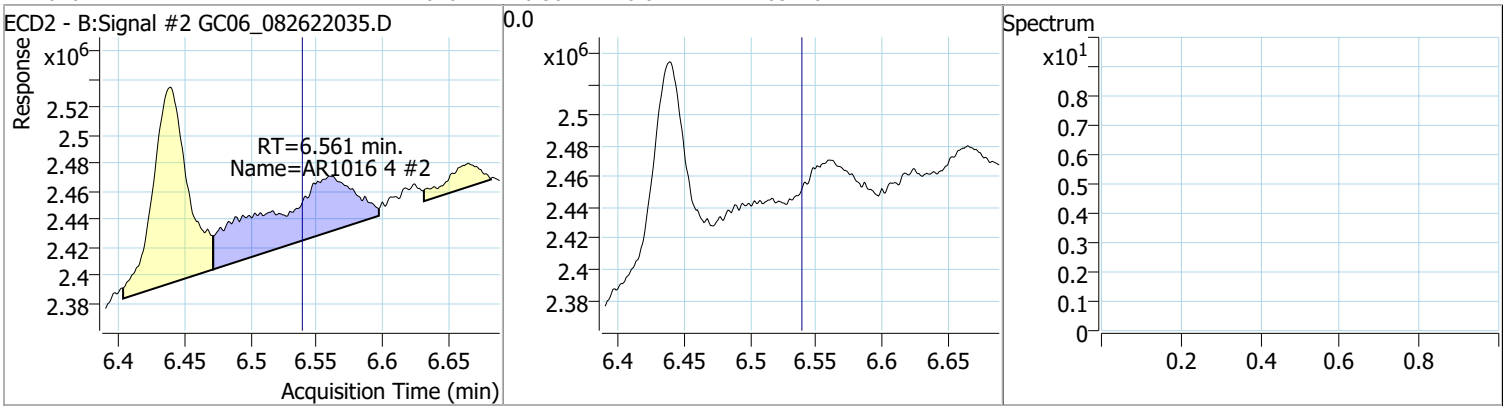
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	7.1228	6.31	-0.08	32861				



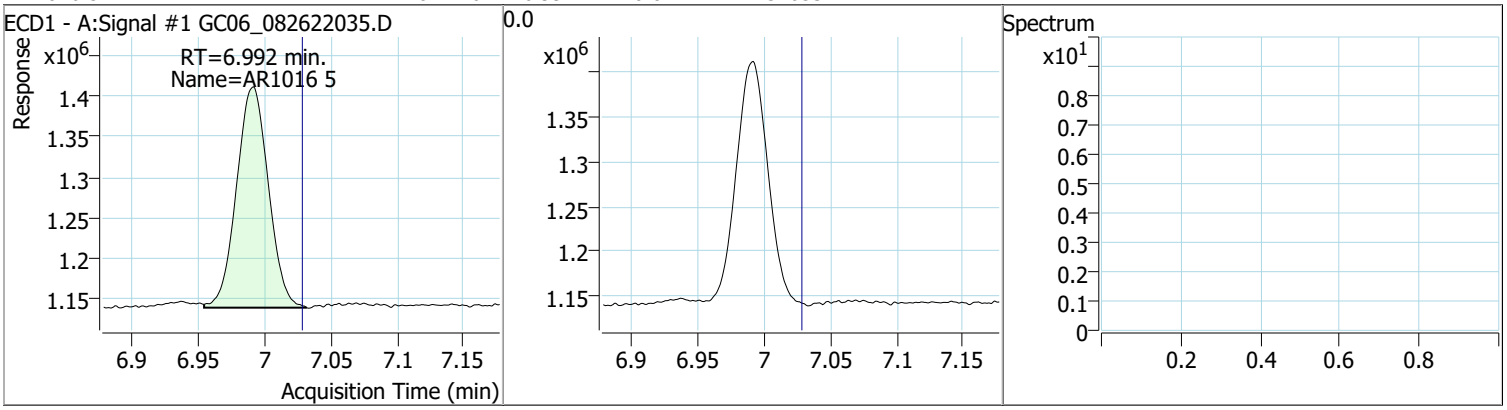
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	83.8971	6.54	0.00	289650				



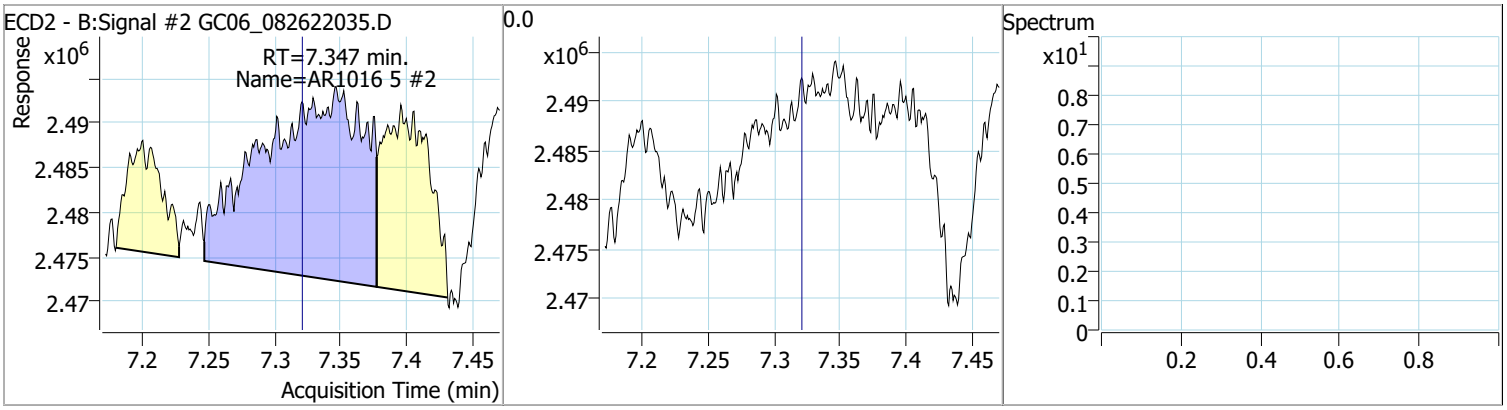
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	12.0101	6.56	0.02	205240				



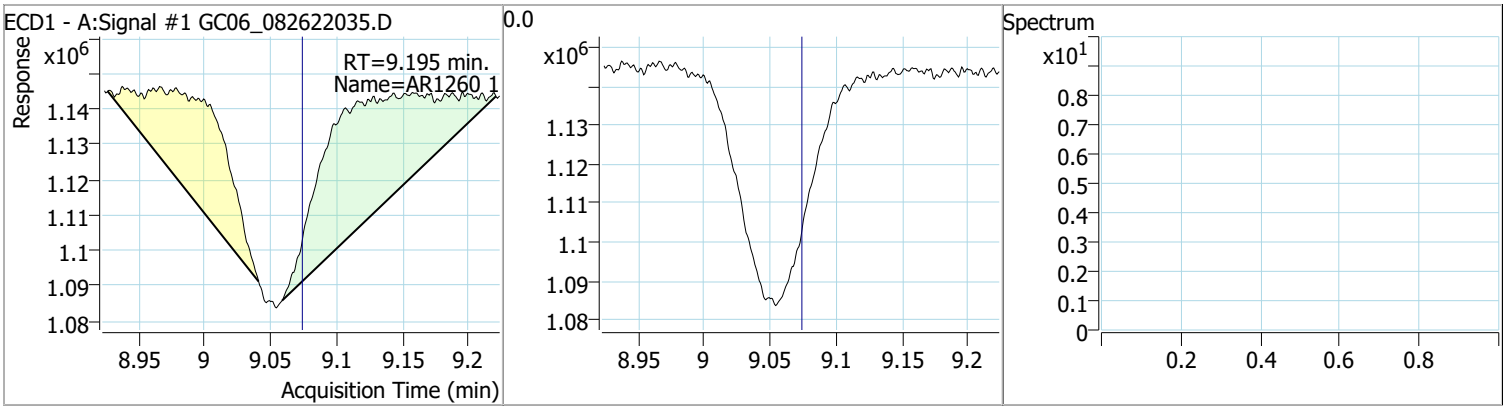
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	170.2426	6.99	-0.04	454653				



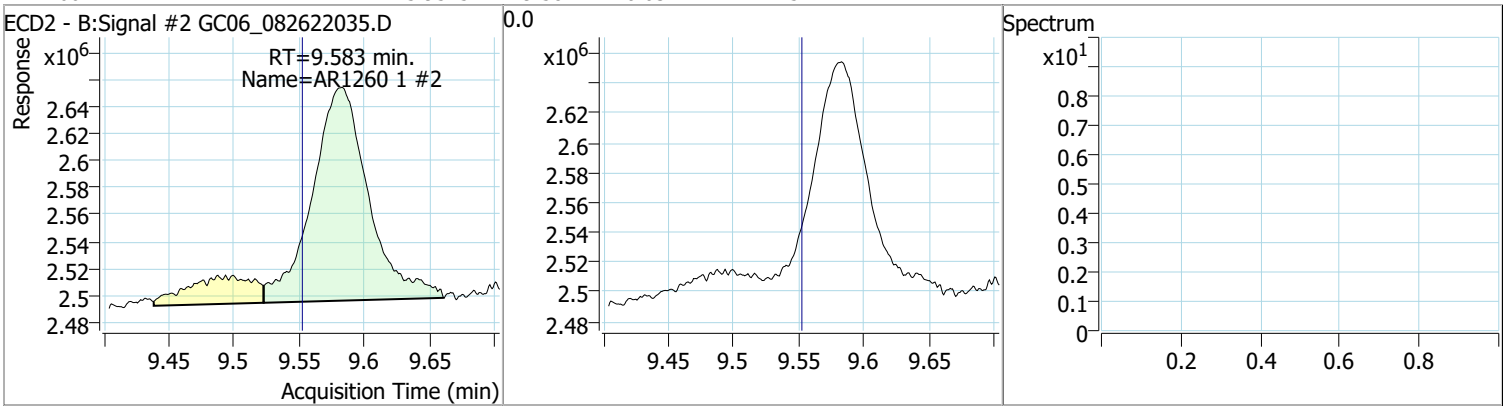
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	8.5422	7.35	0.02	114129				



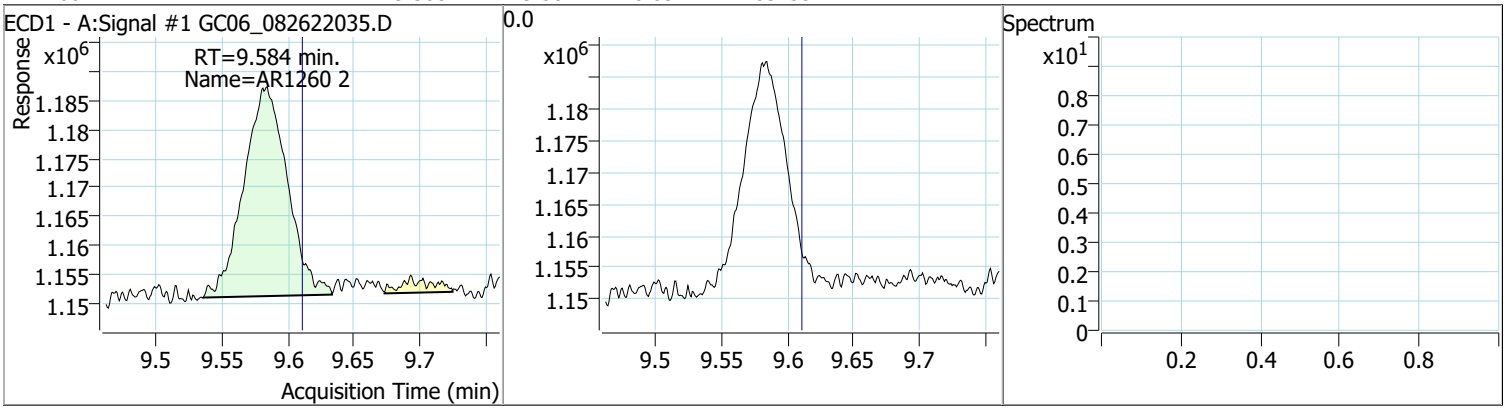
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	33.7613	9.20	0.12	195551				



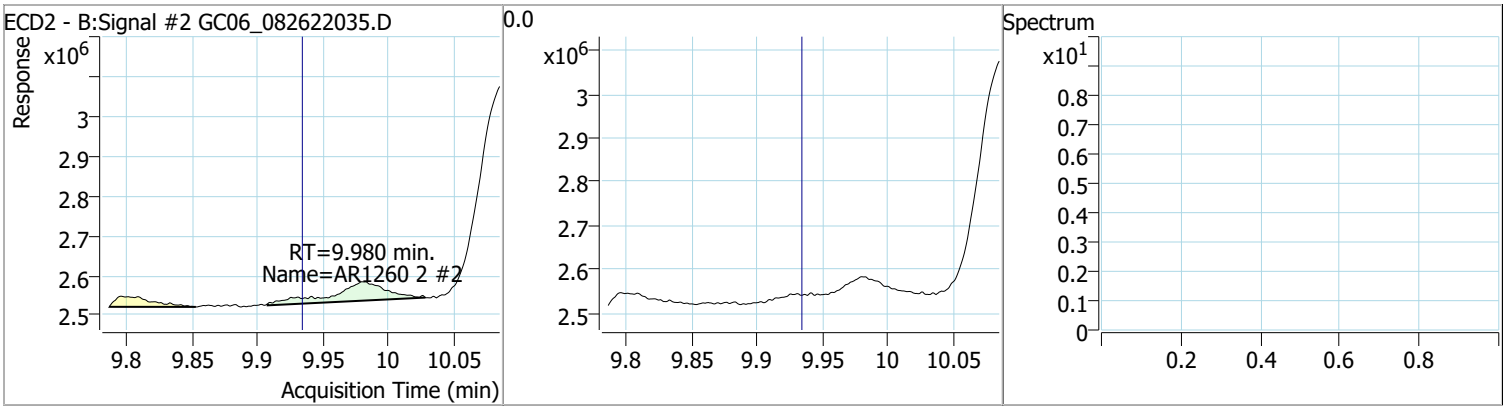
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	15.9525	9.58	0.03	474514				



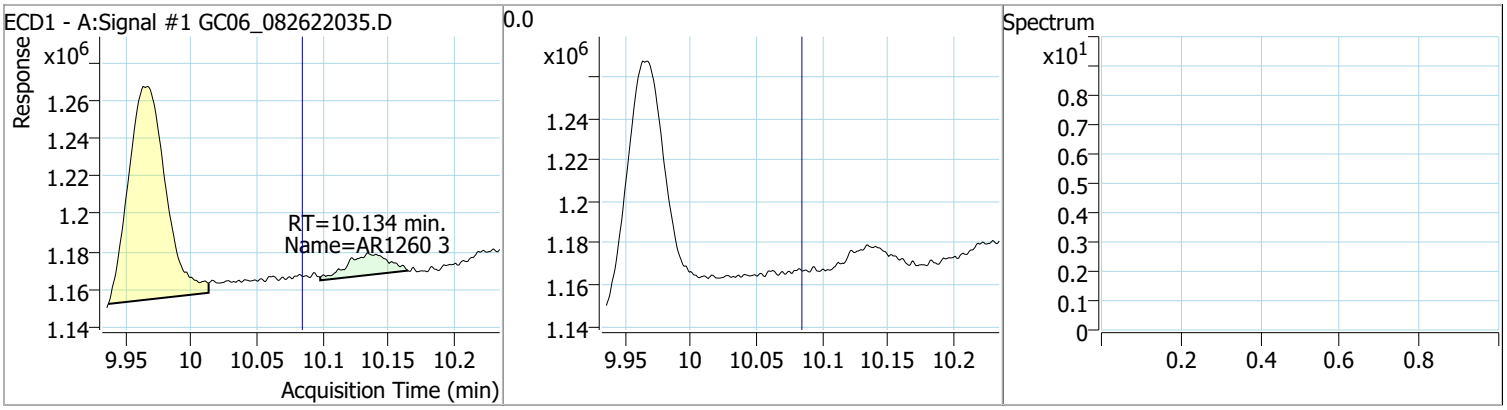
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	9.3882	9.58	-0.03	83755				



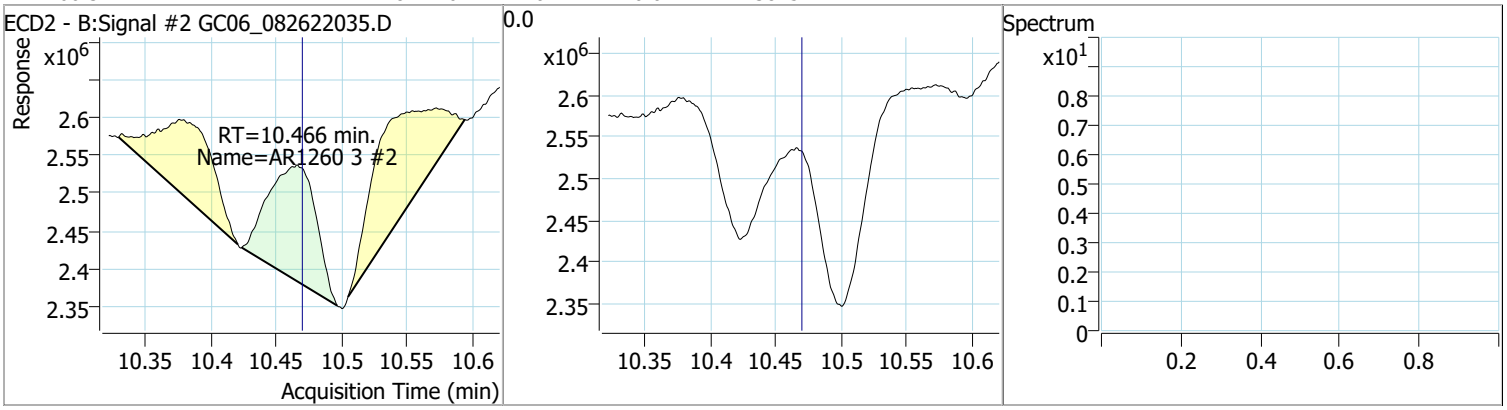
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	4.0125	9.98	0.04	137908				



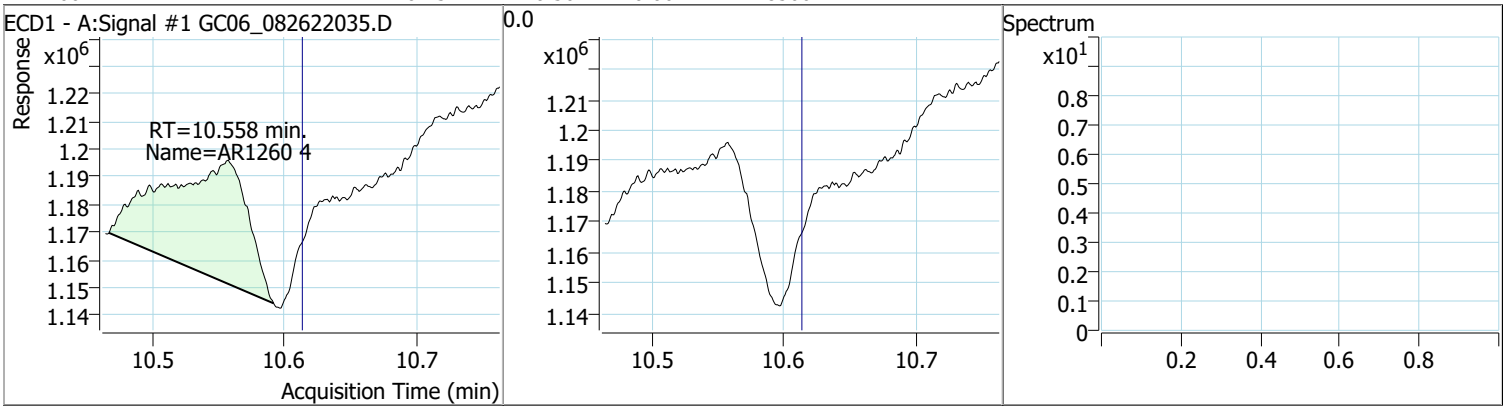
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	2.6882	10.13	0.05	24931				



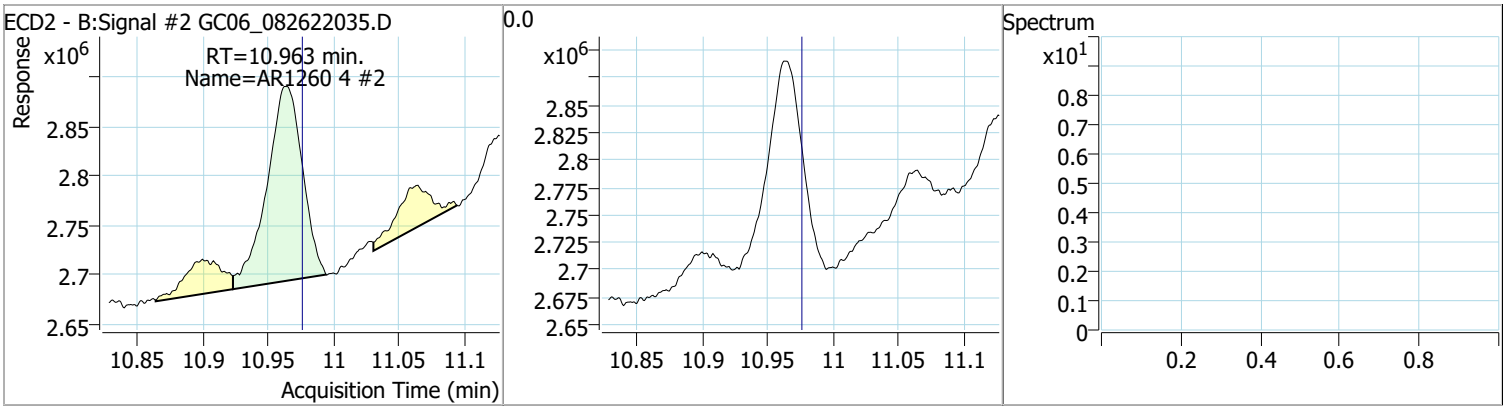
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	8.1716	10.47	-0.01	381574				



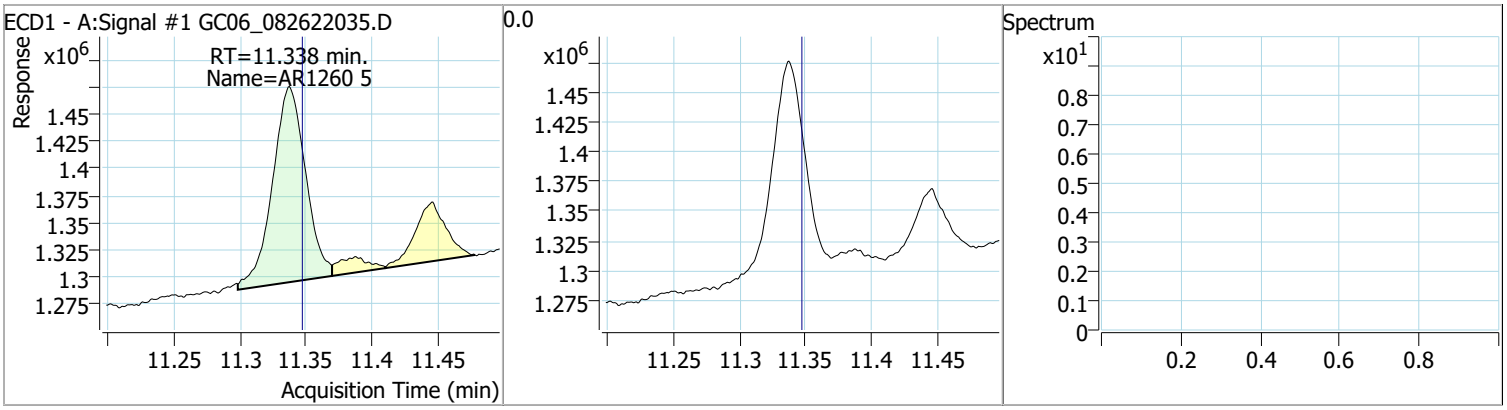
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	40.2527	10.56	-0.06	185661				



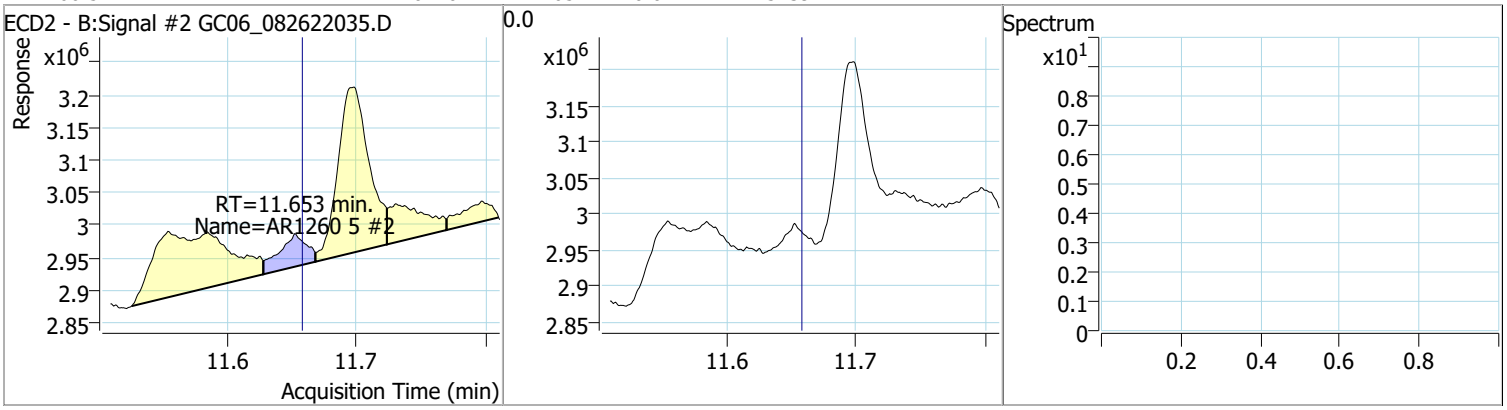
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	14.7272	10.96	-0.02	372123				



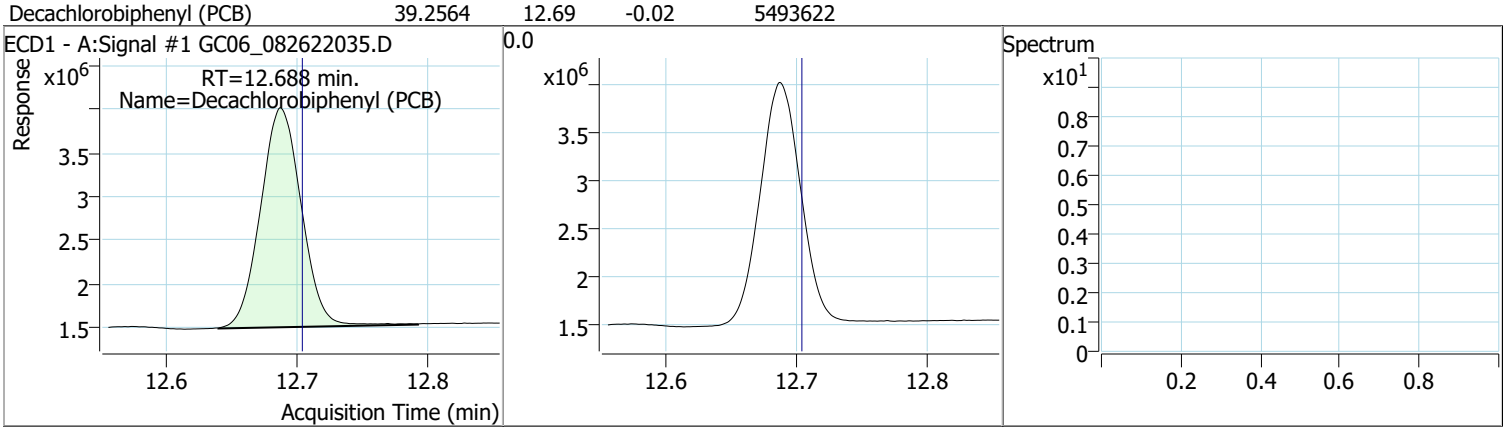
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	52.0933	11.34	-0.01	318011				



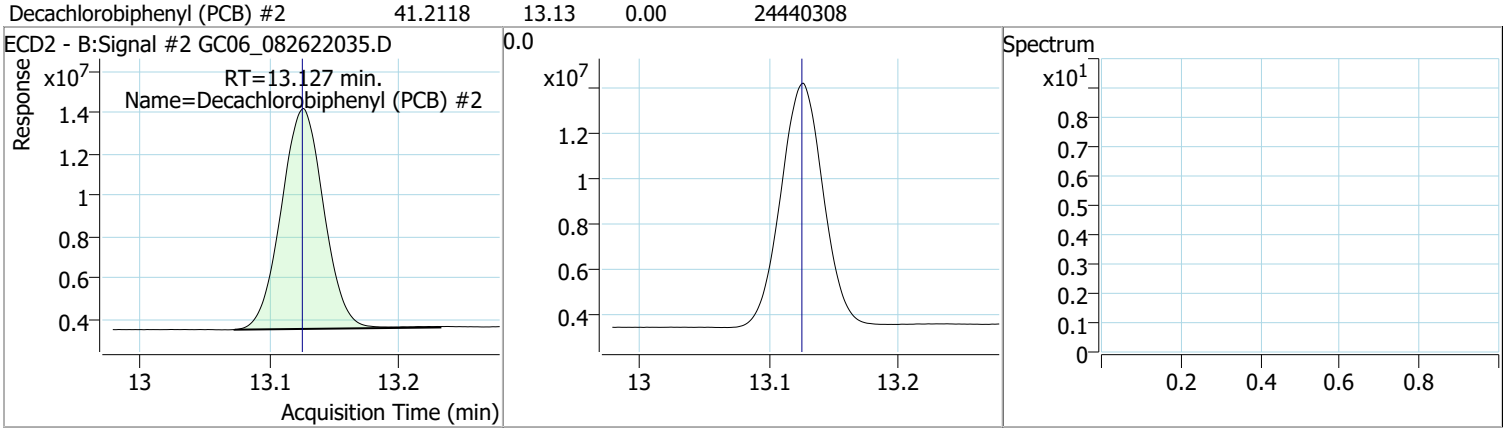
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	2.0170	11.65	-0.01	75139				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.2564	12.69	-0.02	5493622				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	41.2118	13.13	0.00	24440308				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467872-007	Client ID:	DOOR-N-0.5GE-DG-4 TO 17-220823-P-LA
Seqnum:	452343556036	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622036	Batch:	295631	Time:	26-AUG-2022 23:58
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	61.42	~~1.2~~ ~~FP~~	0.75	49%	1.0		x u
Aroclor-1016 Peak # 1	A	92.53	1.85	1.96	6%			
Aroclor-1016 Peak # 2	A	1.878	0.04	0.26	150%			
Aroclor-1016 Peak # 3	A	7.090	0.14	1.04	152%			
Aroclor-1016 Peak # 4	A	56.67	1.13	0.30	117%			
Aroclor-1016 Peak # 5	A	148.9	2.98	0.17	178%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	22.61	ND	0.22	68%	1.0		u
Aroclor-1260 Peak # 1	A	24.62	0.49	0.11	126%			
Aroclor-1260 Peak # 2	A	1.661	0.03	0.25	154%			
Aroclor-1260 Peak # 3	A	4.109	0.08	0.17	71%			
Aroclor-1260 Peak # 4	A	8.999	0.18	0.13	34%			
Aroclor-1260 Peak # 5	A	73.65	1.47	0.44	108%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	50.05	1.000	1.001	100	52-186	c+ u
Decachlorobiphenyl (PCB)	A	36.34	1.000	0.7268	73	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	7714453	-6.13
1-bromo-2-nitrobenzene (PCB)	A	1919479	1457825	-24.05

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

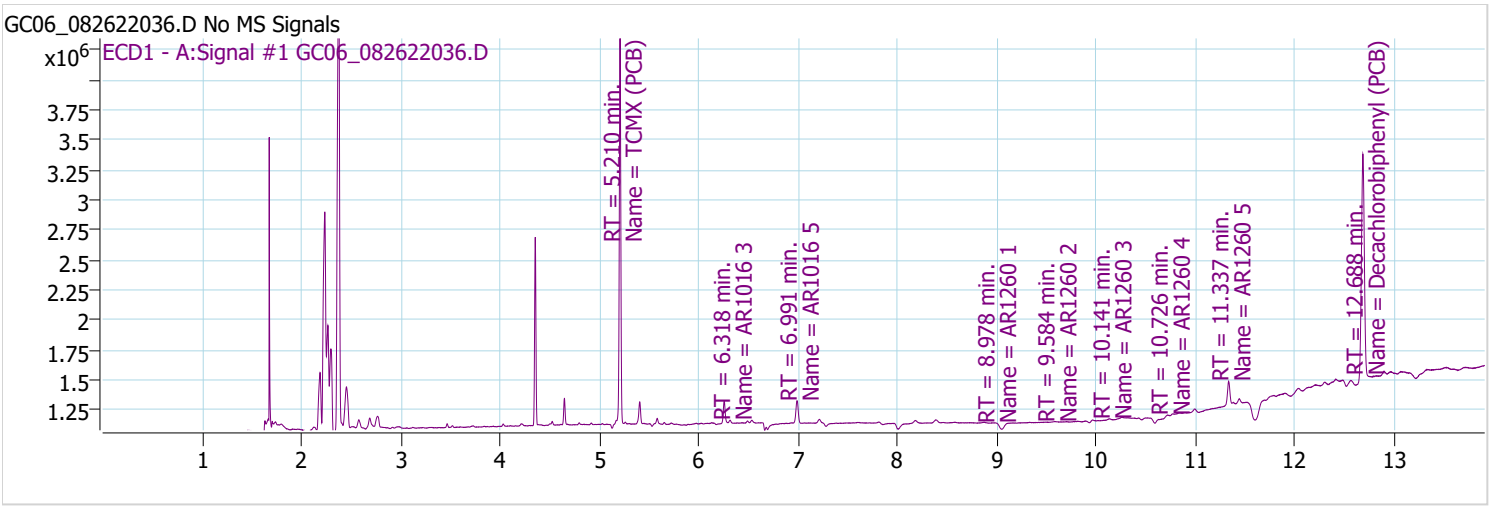
ISTD (CCV gc06_082622002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.12	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

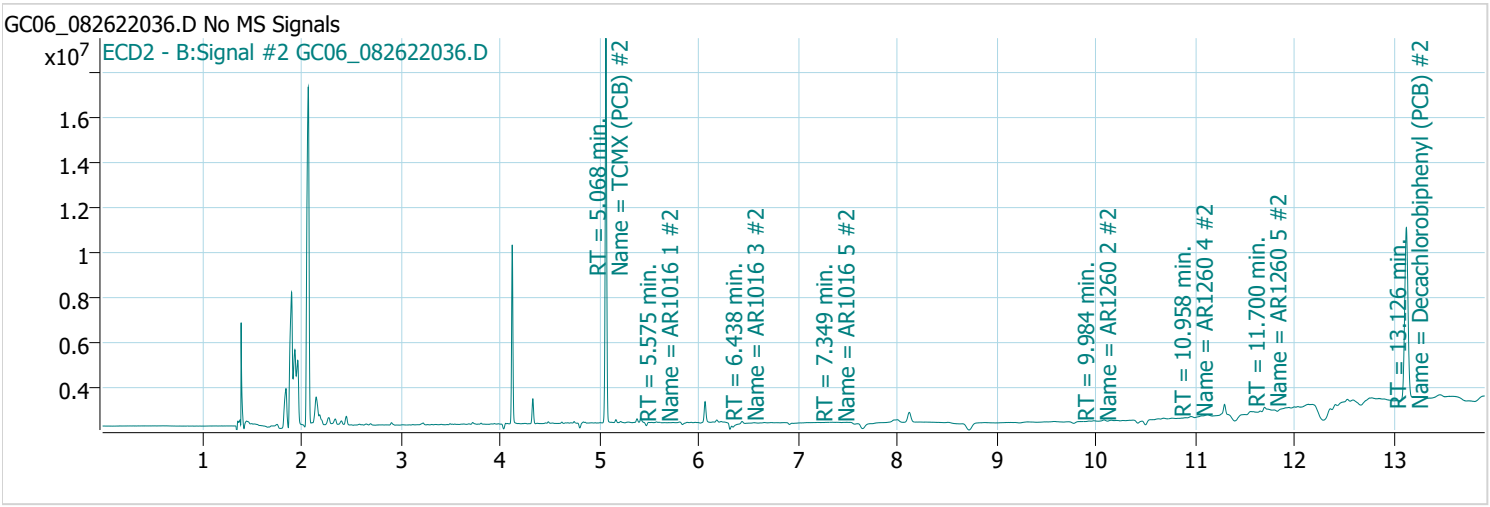
Analyst: TRN 08/29/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622036.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 11:58:22 PM
Sample Name	467872-007, 295631, 1	Instrument	SVOA-GC06
Vial	26	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



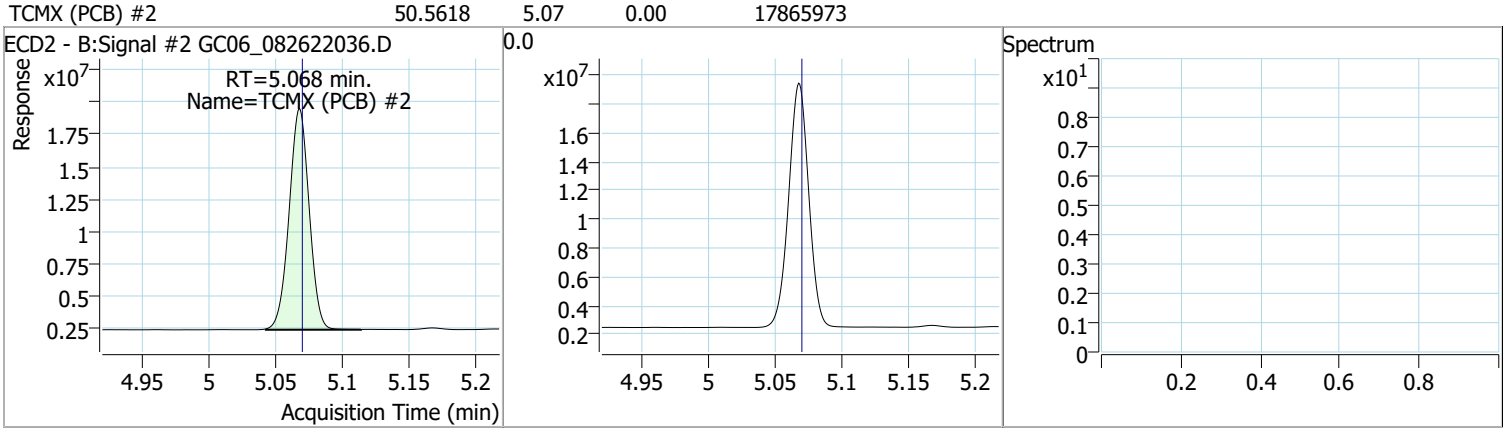


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.124	0.0	7714452.911	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB)	4.356	0.0	1457824.521	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB) #2	5.068	0.0	17865973.041	50.5618	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 252.81%		*	
S TCMX (PCB)	5.210	0.0	3508380.336	50.0326	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 250.16%		*	
S Decachlorobiphenyl (PCB)	12.688	0.0	4026878.183	36.3290	ng/ml		-0.018
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 181.65%		*	
S Decachlorobiphenyl (PCB) #2	13.126	0.0	17821096.879	38.2833	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 191.42%		*	
Target Compounds							QValue

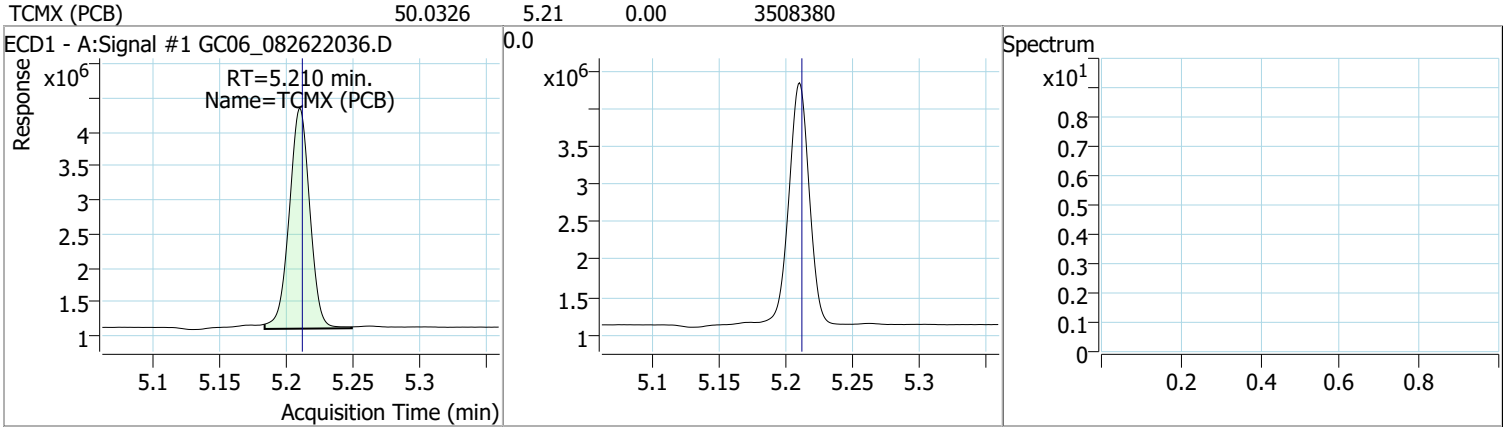
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.575	0.0	708486.465	98.0692	ng/ml	100
T AR1016 1	5.583	0.0	131914.147	92.5058	ng/ml	100
T AR1016 2 #2	5.883	0.0	198577.252	13.2453	ng/ml	100
T AR1016 2	5.893	0.0	5830.157	1.8777	ng/ml	100
T AR1016 3 #2	6.438	0.0	1028390.402	52.0128	ng/ml	100
T AR1016 3	6.318	0.0	25900.491	7.0878	ng/ml	100
T AR1016 4	6.538	0.0	154942.191	56.6600	ng/ml	100
T AR1016 4 #2	6.561	0.0	197844.668	14.7492	ng/ml	100
T AR1016 5	6.991	0.0	314910.236	148.8704	ng/ml	100
T AR1016 5 #2	7.349	0.0	89435.897	8.5280	ng/ml	100
T AR1260 1	8.978	0.0	112913.139	24.6115	ng/ml	100
T AR1260 1 #2	9.578	0.0	131508.963	5.6324	ng/ml	100
T AR1260 2	9.584	0.0	11731.453	1.6602	ng/ml	100
T AR1260 2 #2	9.984	0.0	341777.213	12.6685	ng/ml	100
T AR1260 3	10.141	0.0	30176.021	4.1079	ng/ml	100
T AR1260 3 #2	10.464	0.0	315446.762	8.6062	ng/ml	100
T AR1260 4	10.726	0.0	32868.320	8.9967	ng/ml	100
T AR1260 4 #2	10.958	0.0	127061.462	6.4063	ng/ml	100
T AR1260 5	11.337	0.0	356050.907	73.6352	ng/ml	100
T AR1260 5 #2	11.700	0.0	647166.939	22.1317	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

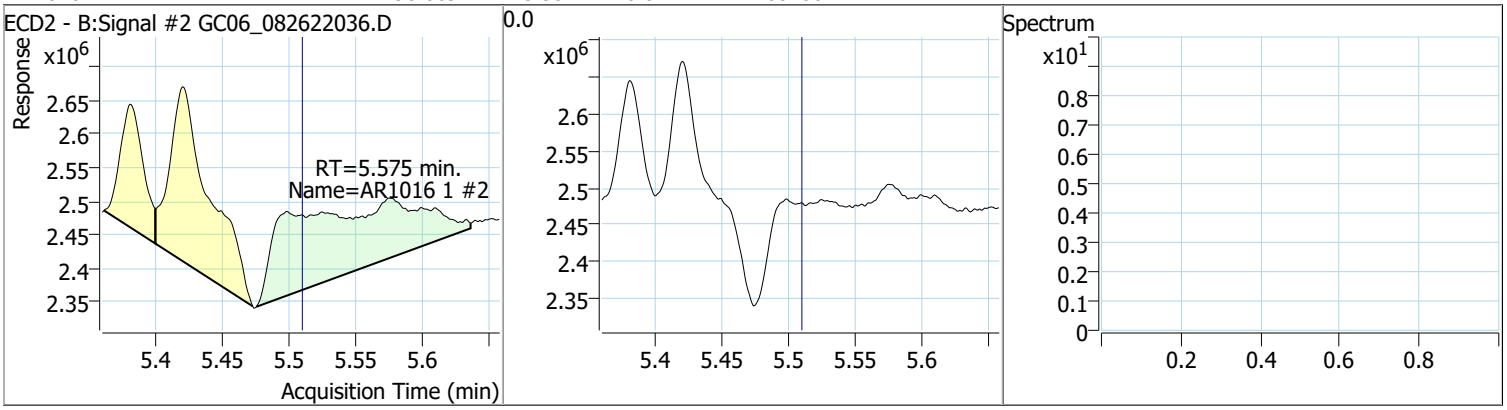
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	50.5618	5.07	0.00	17865973				



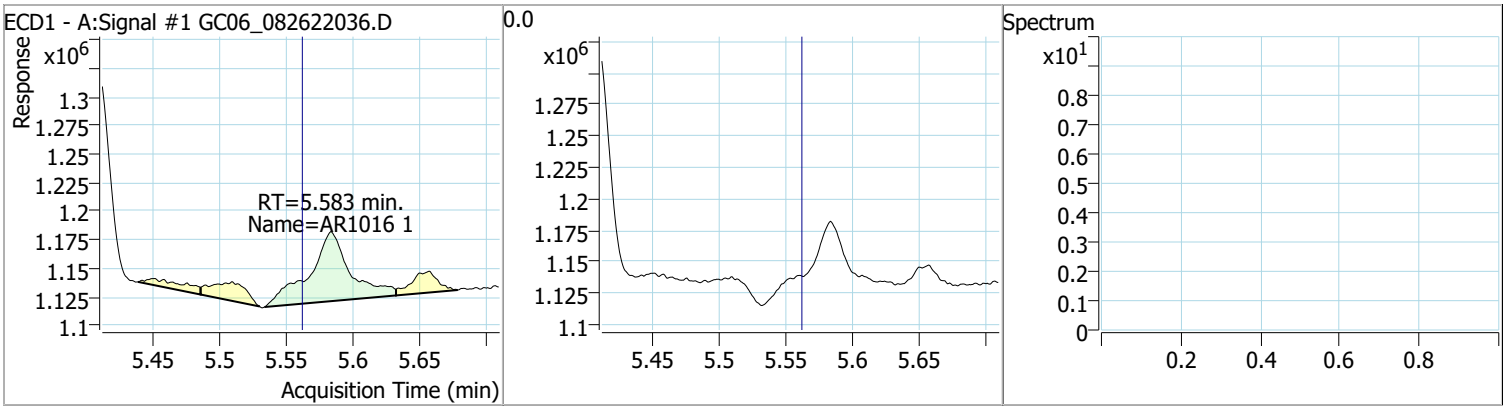
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	50.0326	5.21	0.00	3508380				



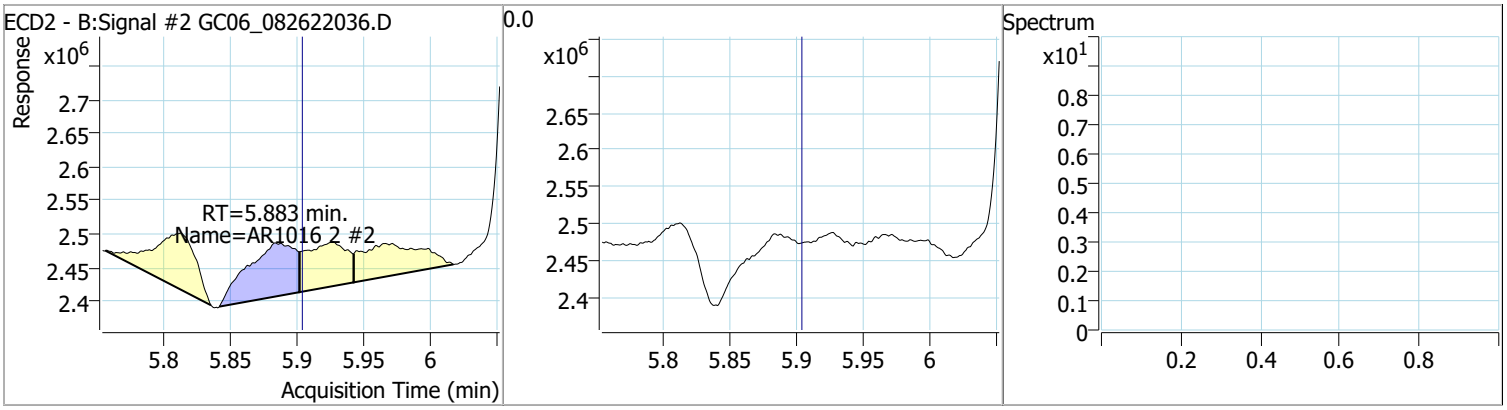
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	98.0692	5.58	0.07	708486				



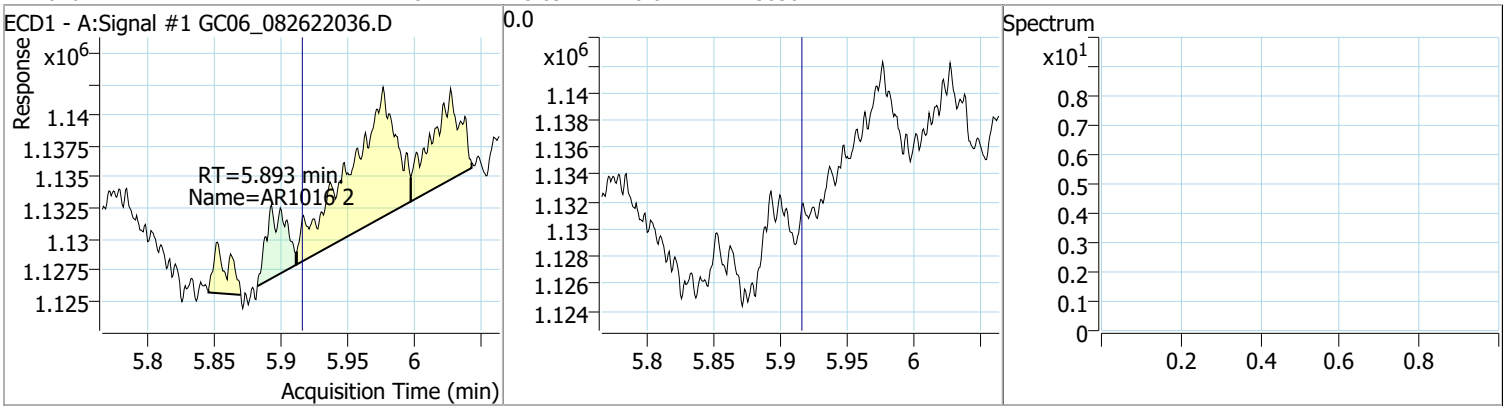
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	92.5058	5.58	0.02	131914				



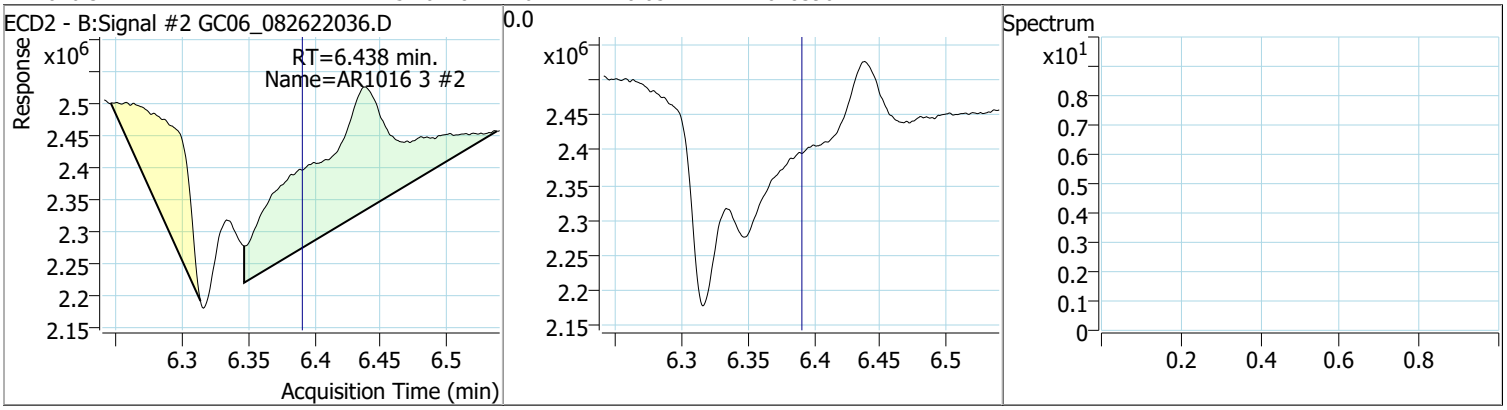
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	13.2453	5.88	-0.02	198577				



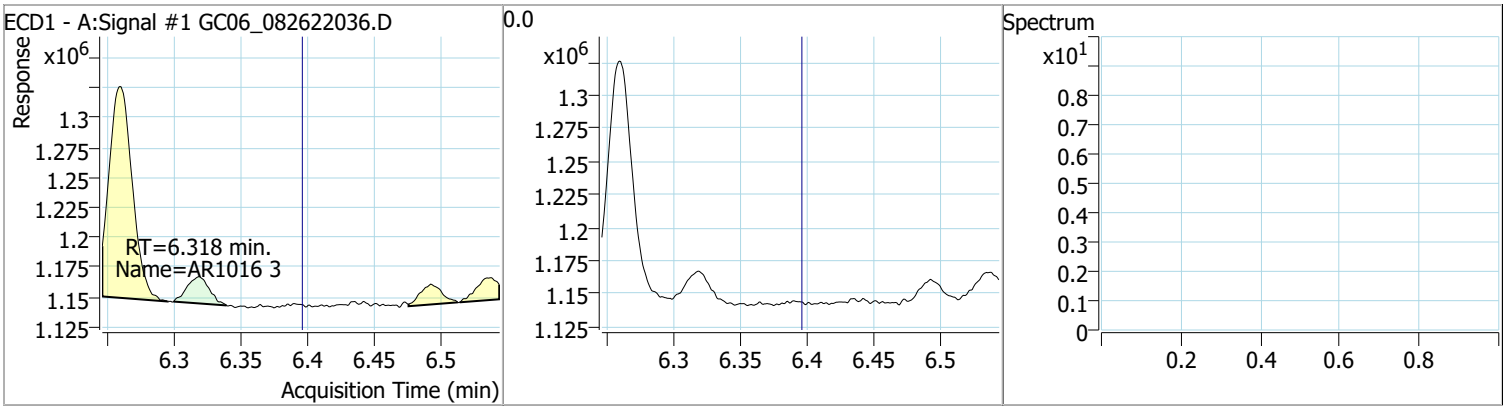
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.8777	5.89	-0.02	5830				



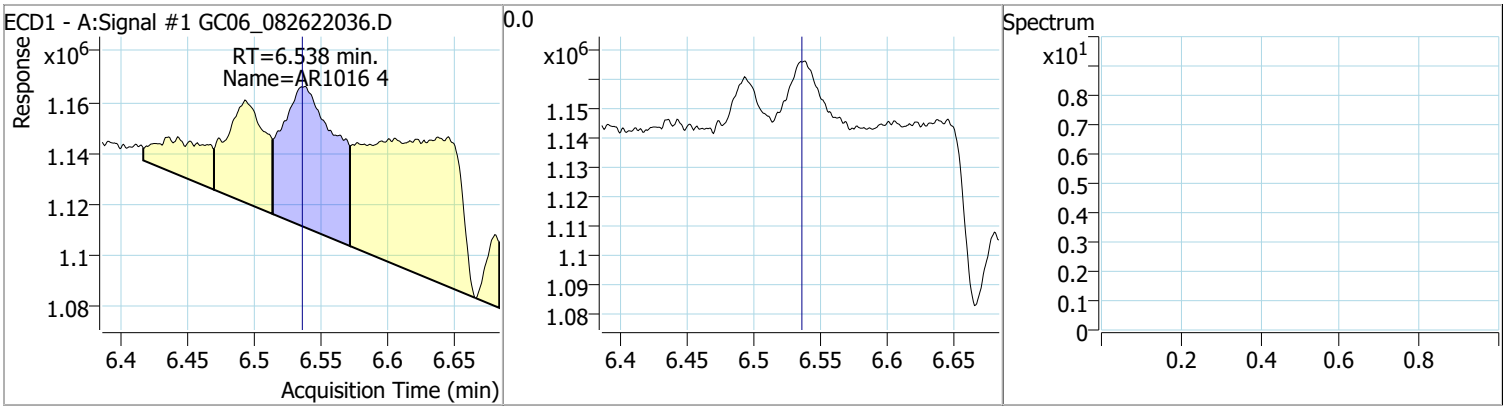
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	52.0128	6.44	0.05	1028390				



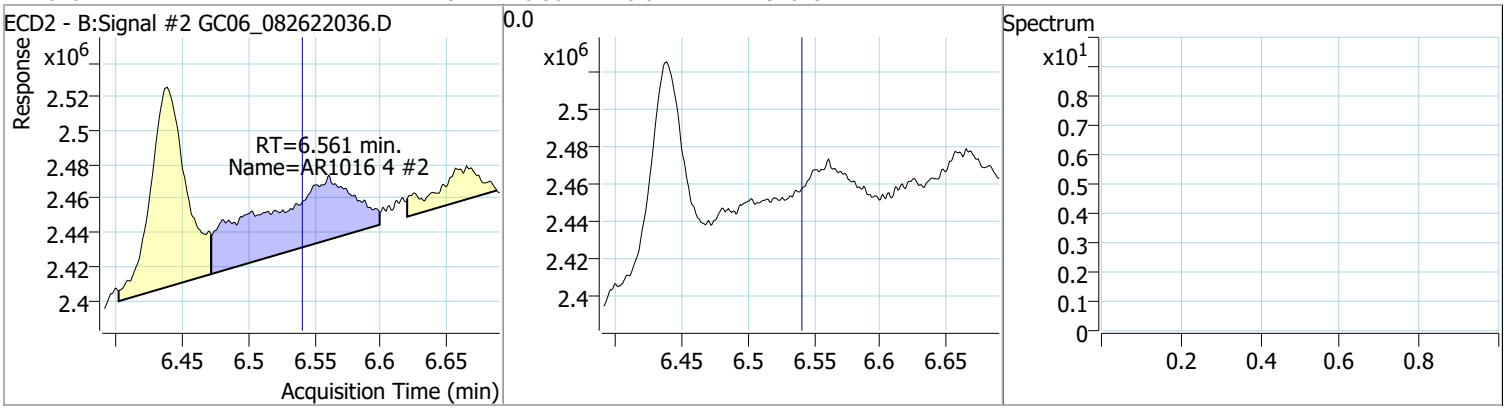
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	7.0878	6.32	-0.08	25900				



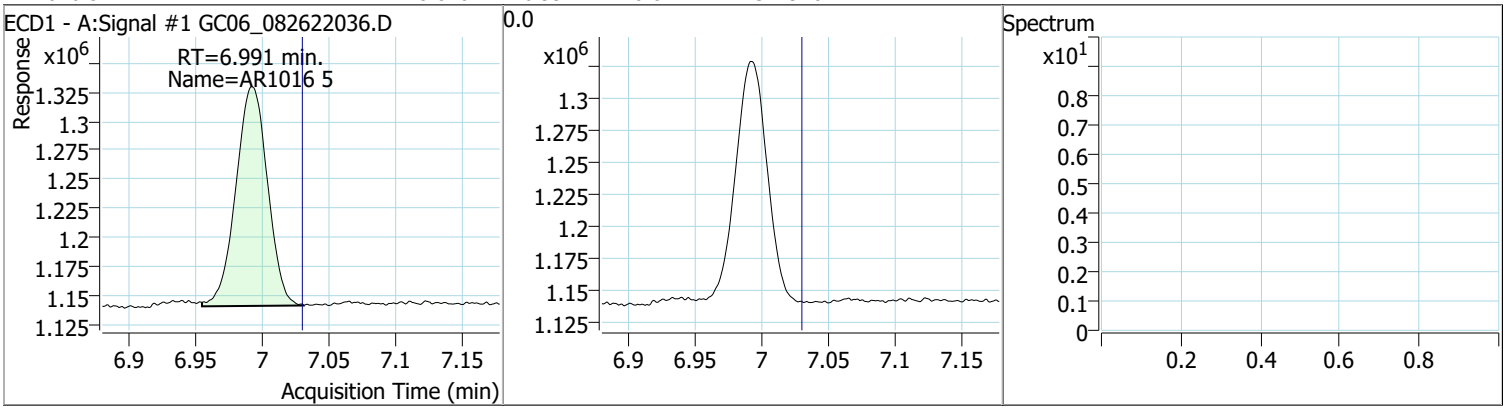
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	56.6600	6.54	0.00	154942				



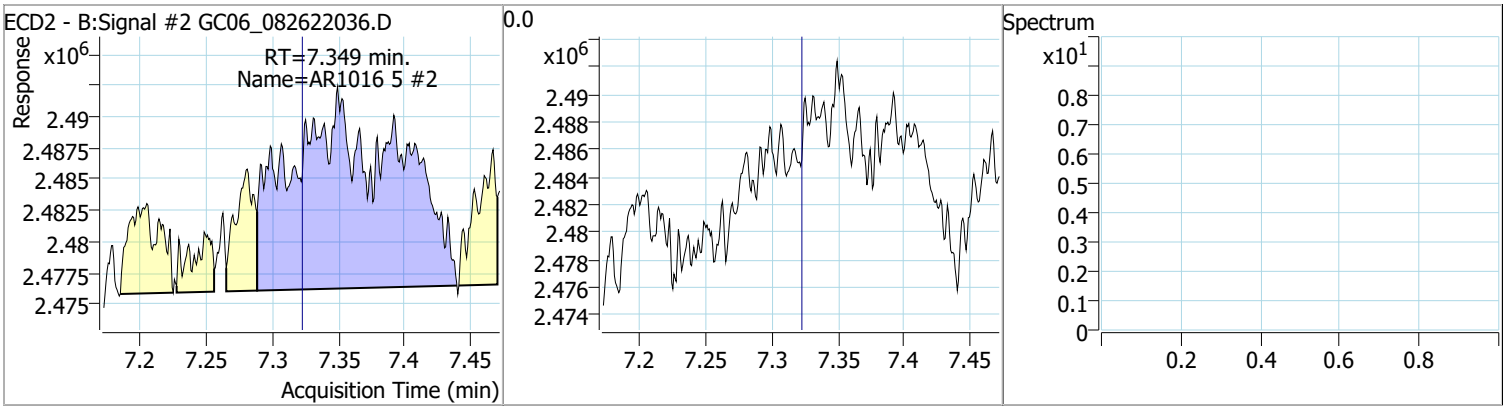
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	14.7492	6.56	0.02	197845				



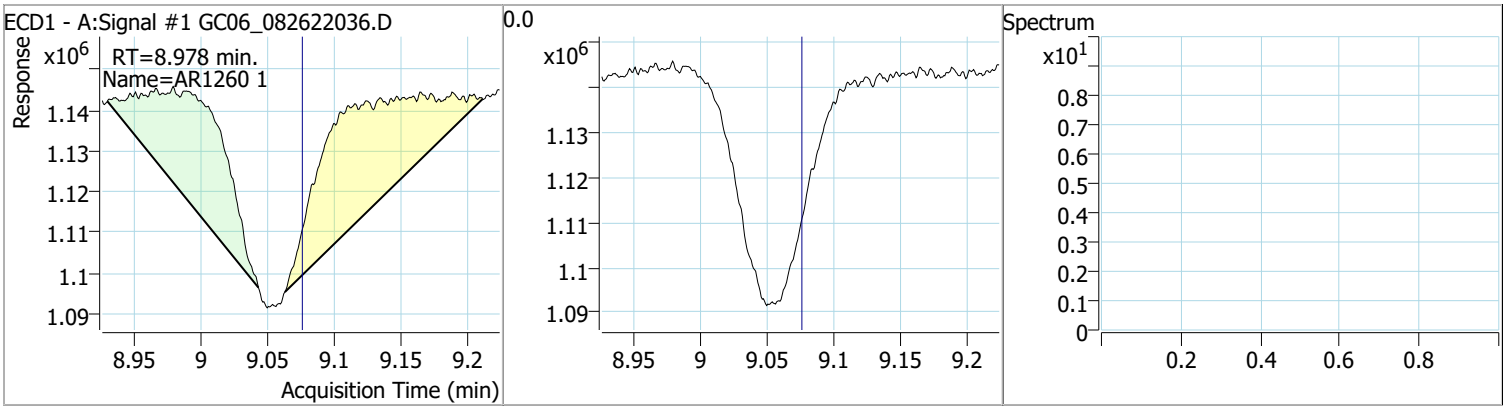
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	148.8704	6.99	-0.04	314910				



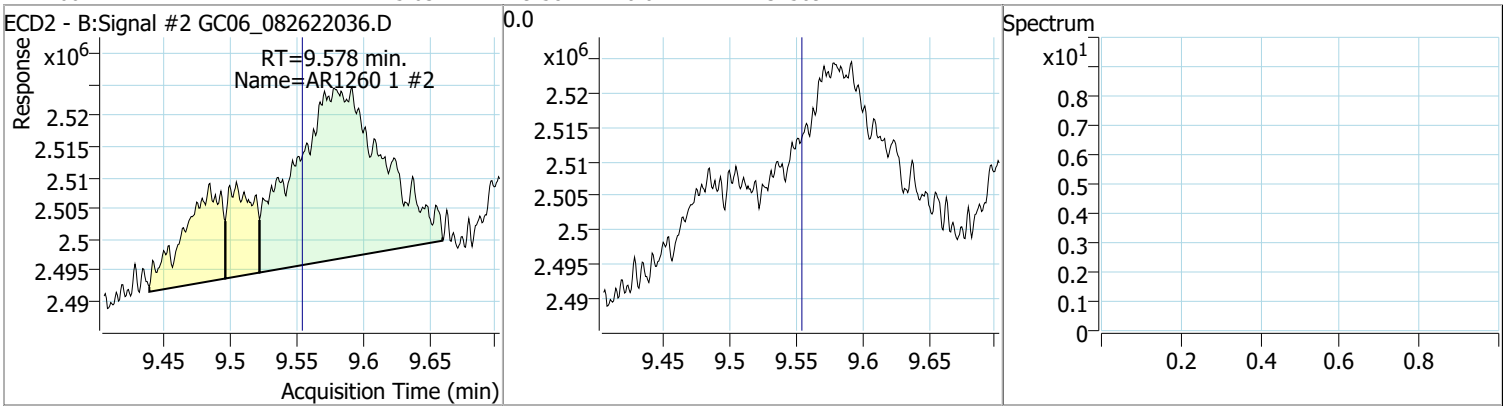
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	8.5280	7.35	0.03	89436				



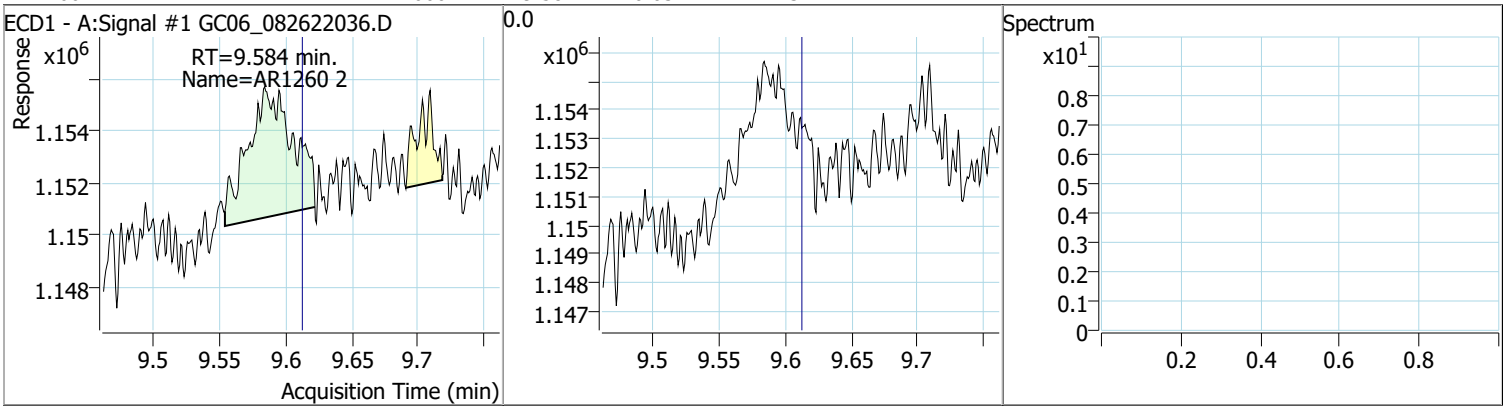
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	24.6115	8.98	-0.10	112913				



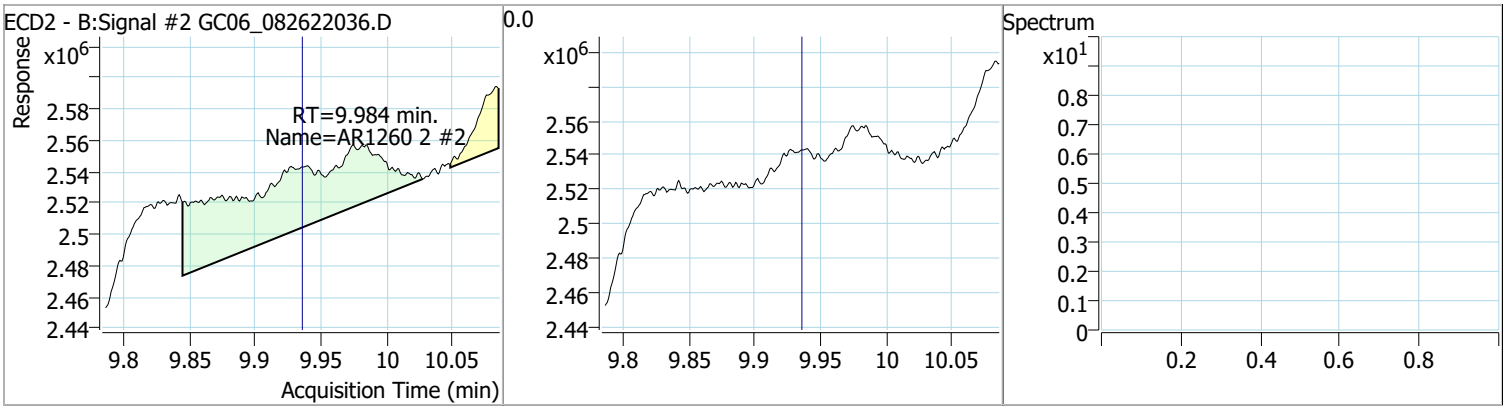
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	5.6324	9.58	0.02	131509				



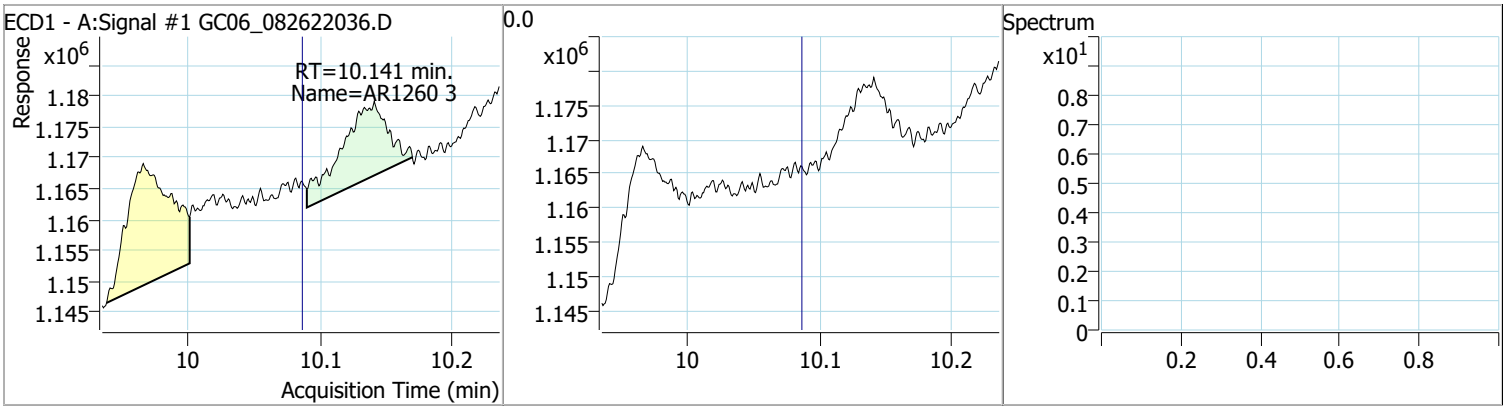
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.6602	9.58	-0.03	11731				



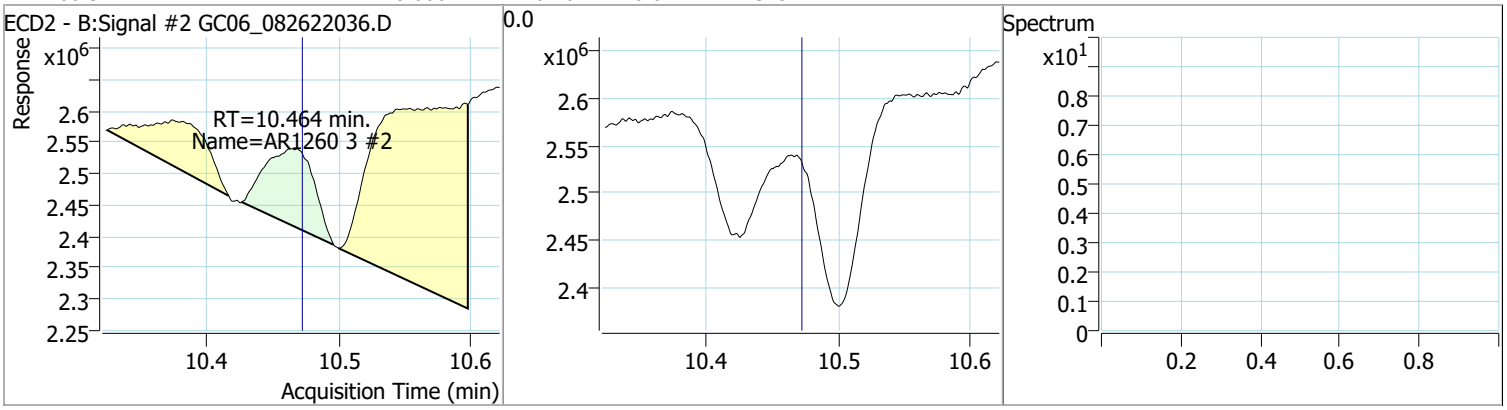
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	12.6685	9.98	0.05	341777				



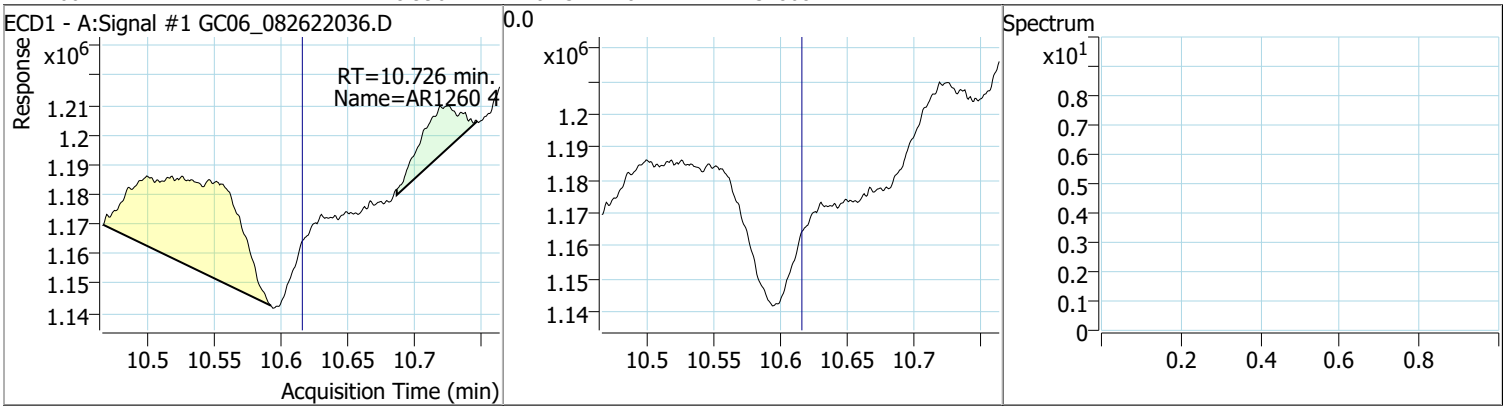
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	4.1079	10.14	0.05	30176				



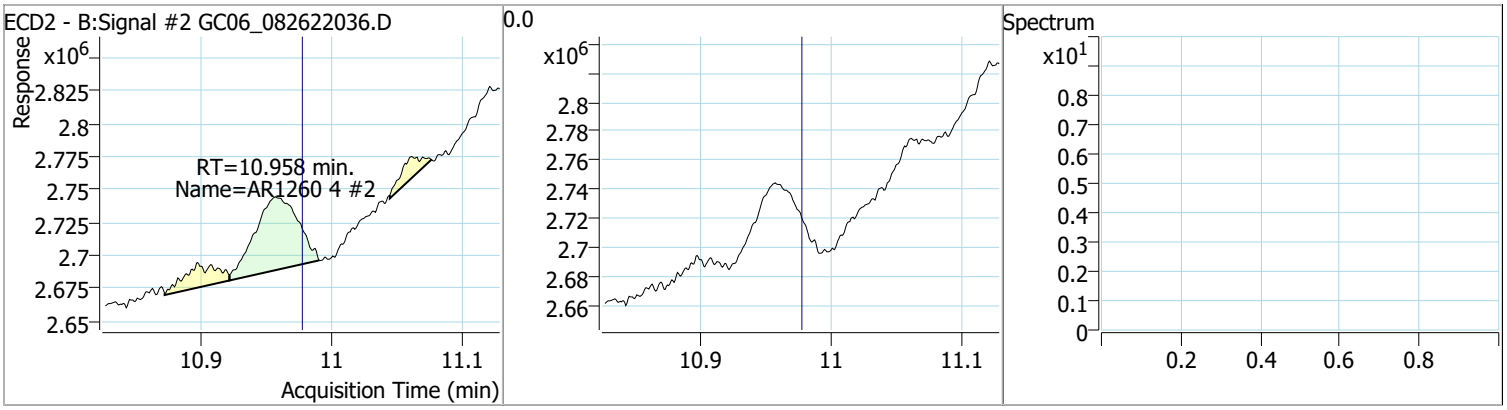
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	8.6062	10.46	-0.01	315447				



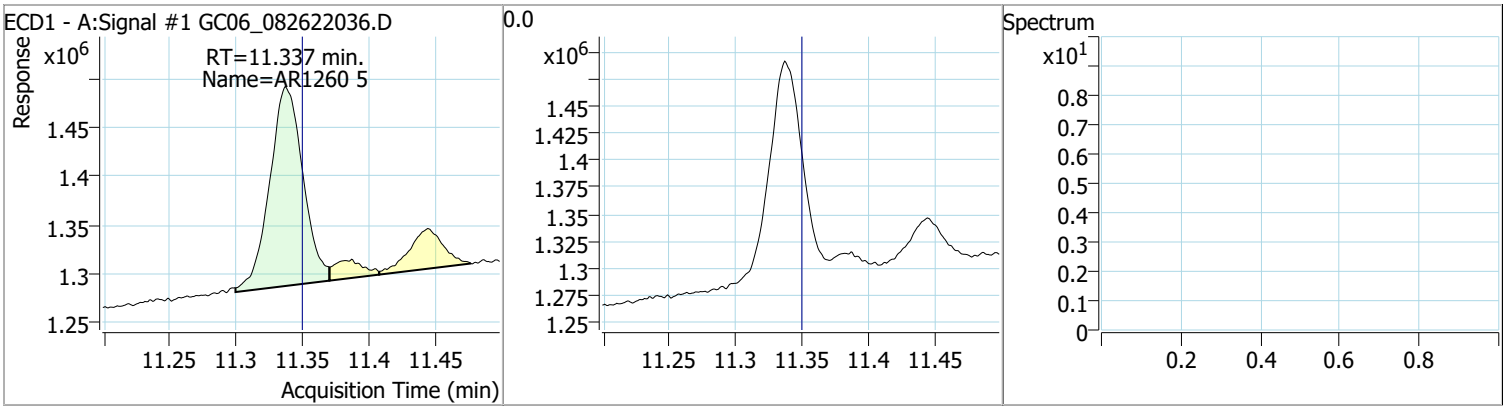
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	8.9967	10.73	0.11	32868				



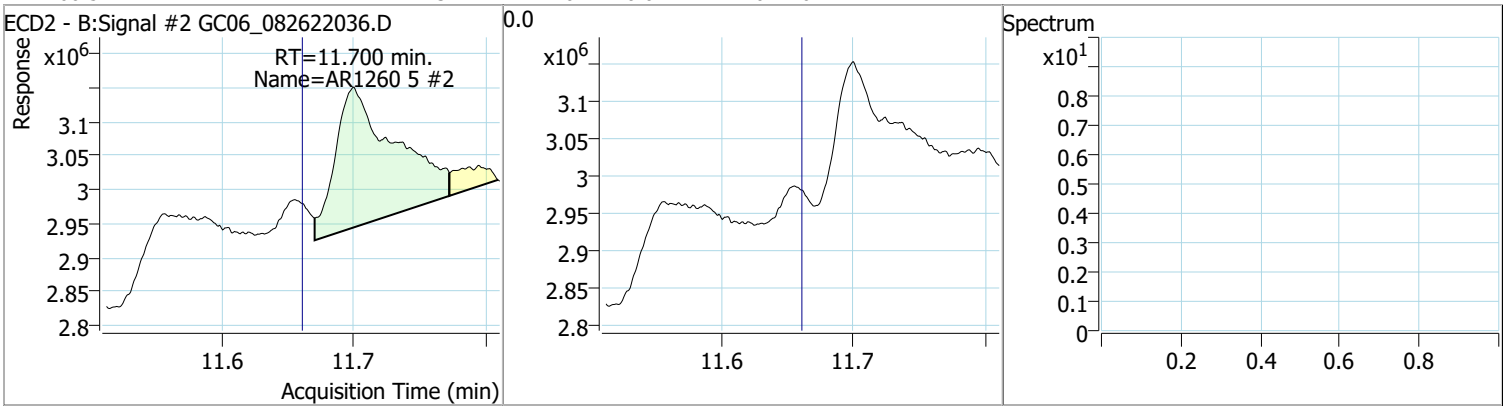
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	6.4063	10.96	-0.02	127061				



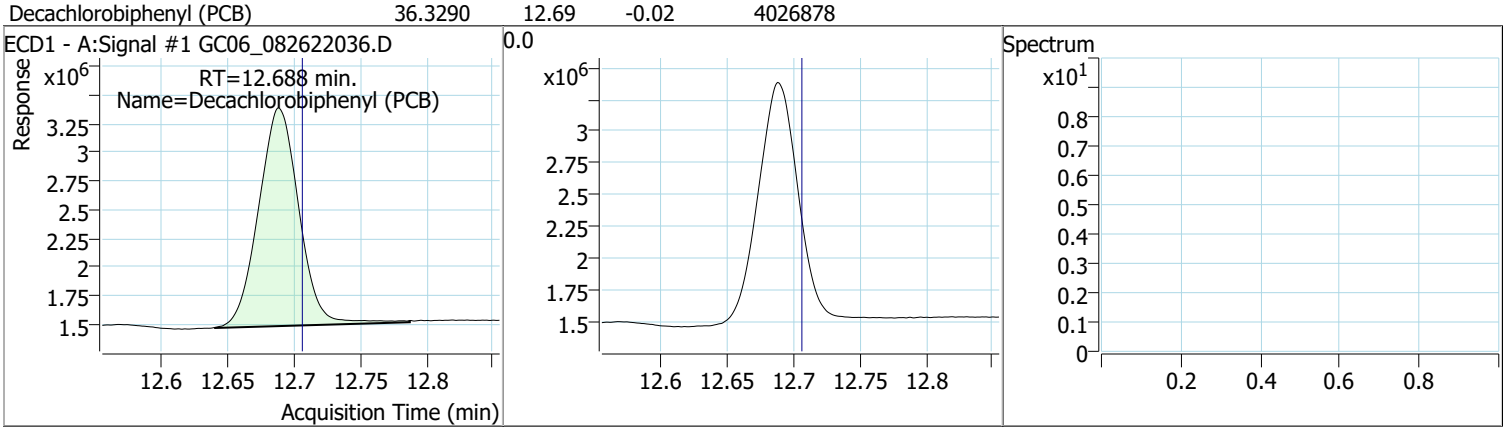
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	73.6352	11.34	-0.01	356051				



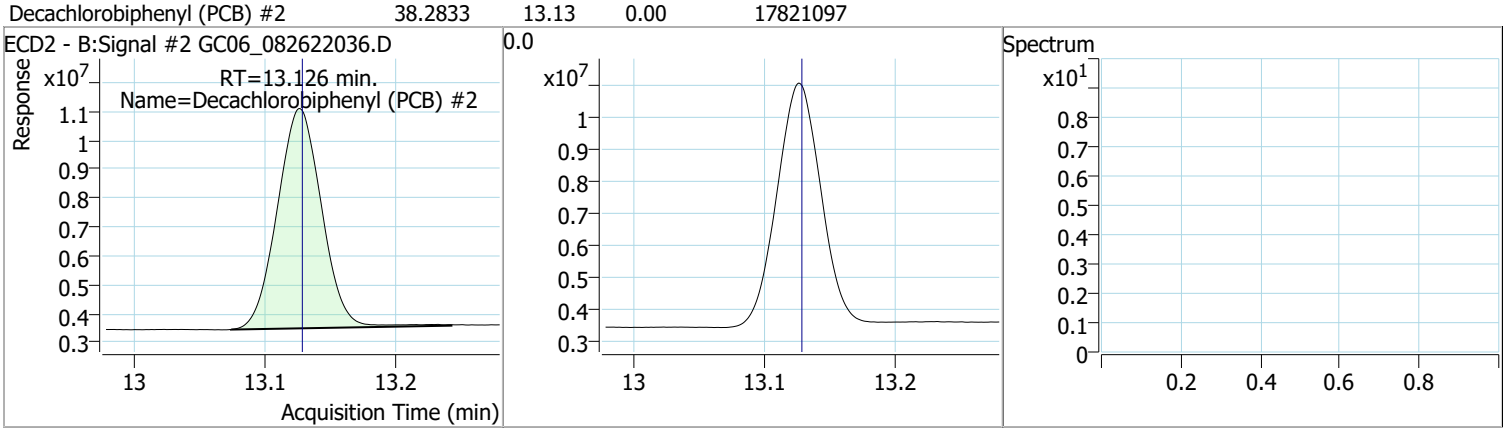
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	22.1317	11.70	0.04	647167				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	36.3290	12.69	-0.02	4026878				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	38.2833	13.13	0.00	17821097				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467872-008	Client ID:	DOOR-N-0.5GE-DG-4 TO 17-220823-P-DUP-LA
Seqnum:	452343556037	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622037	Batch:	295631	Time:	27-AUG-2022 00:15
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	69.95	~~1.4~~ ~~FP~~	0.54	88%	1.0		x u
Aroclor-1016 Peak # 1	A	85.27	1.71	1.62	5%			
Aroclor-1016 Peak # 2	A	2.116	0.04	0.03	41%			
Aroclor-1016 Peak # 3	A	7.233	0.14	0.70	132%			
Aroclor-1016 Peak # 4	A	112.9	2.26	0.23	162%			
Aroclor-1016 Peak # 5	A	142.2	2.84	0.14	181%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	26.68	ND	0.23	78%	1.0		u
Aroclor-1260 Peak # 1	A	22.18	0.44	0.12	114%			
Aroclor-1260 Peak # 2	A	2.261	0.05	0.22	132%			
Aroclor-1260 Peak # 3	A	3.570	0.07	0.15	73%			
Aroclor-1260 Peak # 4	A	33.86	0.68	0.13	135%			
Aroclor-1260 Peak # 5	A	71.54	1.43	0.54	90%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	51.02	1.000	1.020	102	52-186	c+ u
Decachlorobiphenyl (PCB)	A	37.14	1.000	0.7429	74	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	10457717	27.25
1-bromo-2-nitrobenzene (PCB)	A	1919479	1942460	1.20

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

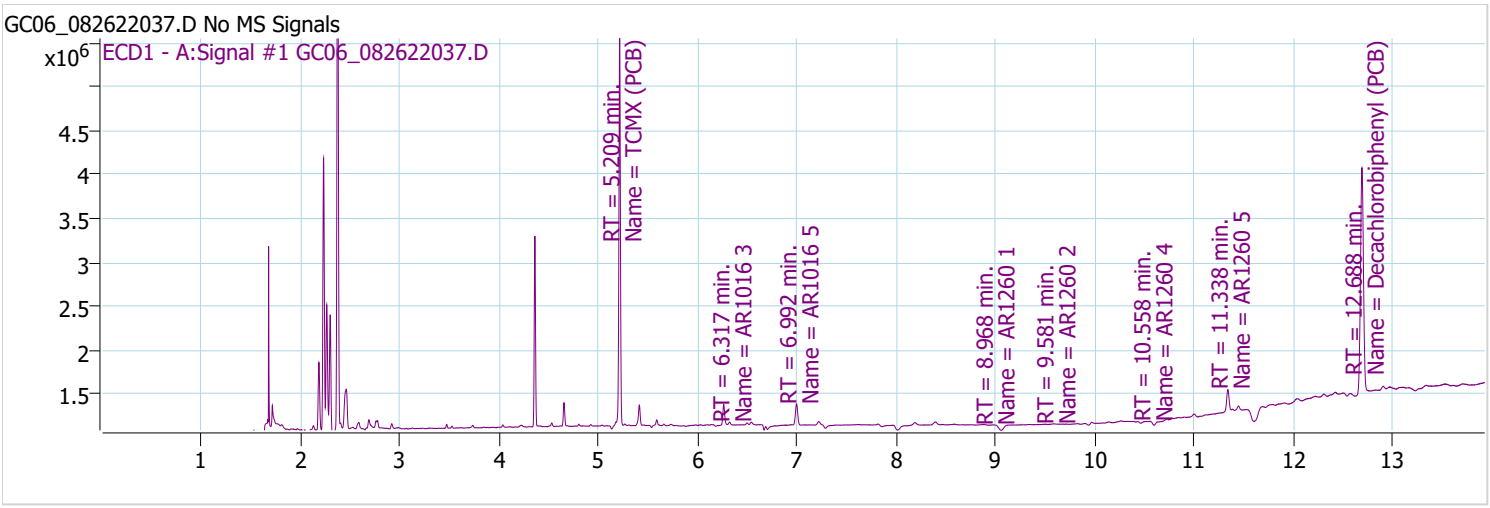
ISTD (CCV gc06_082622002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.12	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

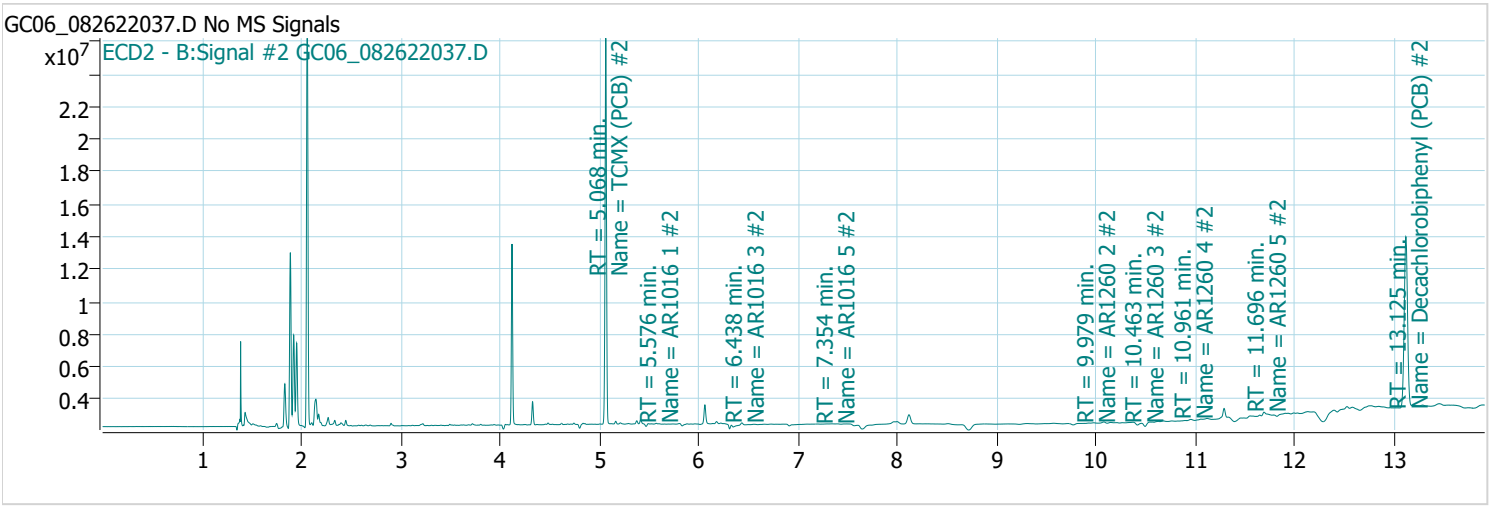
Analyst: TRN 08/29/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622037.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/27/2022 12:15:41 AM
Sample Name	467872-008, 295631, 1	Instrument	SVOA-GC06
Vial	27	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



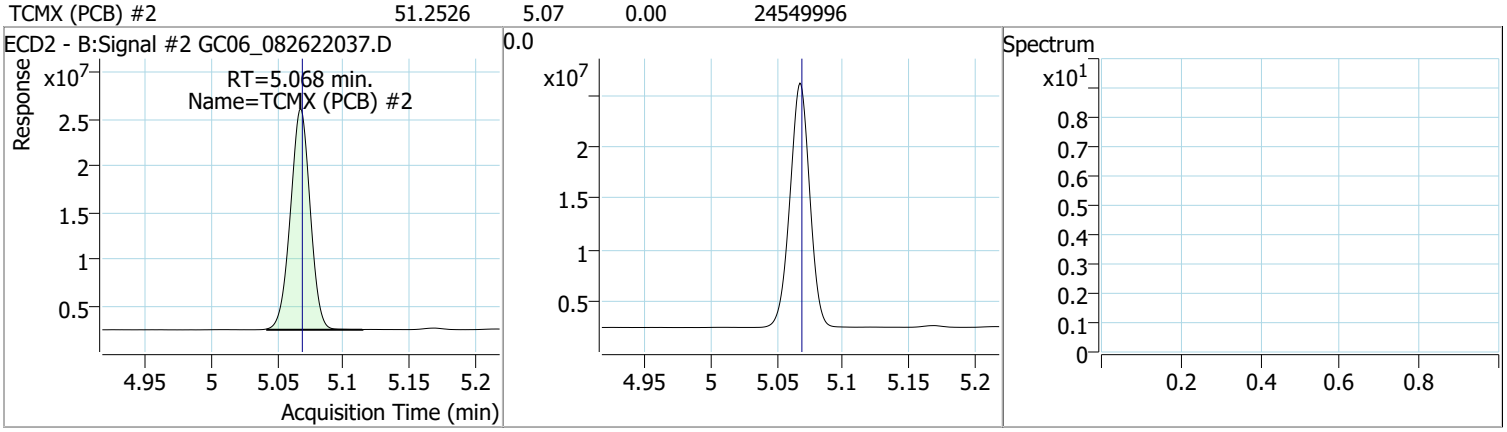


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	10457716.611	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB)	4.355	0.0	1942460.202	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB) #2	5.068	0.0	24549996.364	51.2526	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 256.26%		*	
S TCMX (PCB)	5.209	0.0	4765671.868	51.0063	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 255.03%		*	
S Decachlorobiphenyl (PCB)	12.688	0.0	5484529.544	37.1345	ng/ml		-0.018
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 185.67%		*	
S Decachlorobiphenyl (PCB) #2	13.125	0.0	24476490.050	38.7875	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 193.94%		*	
Target Compounds							QValue

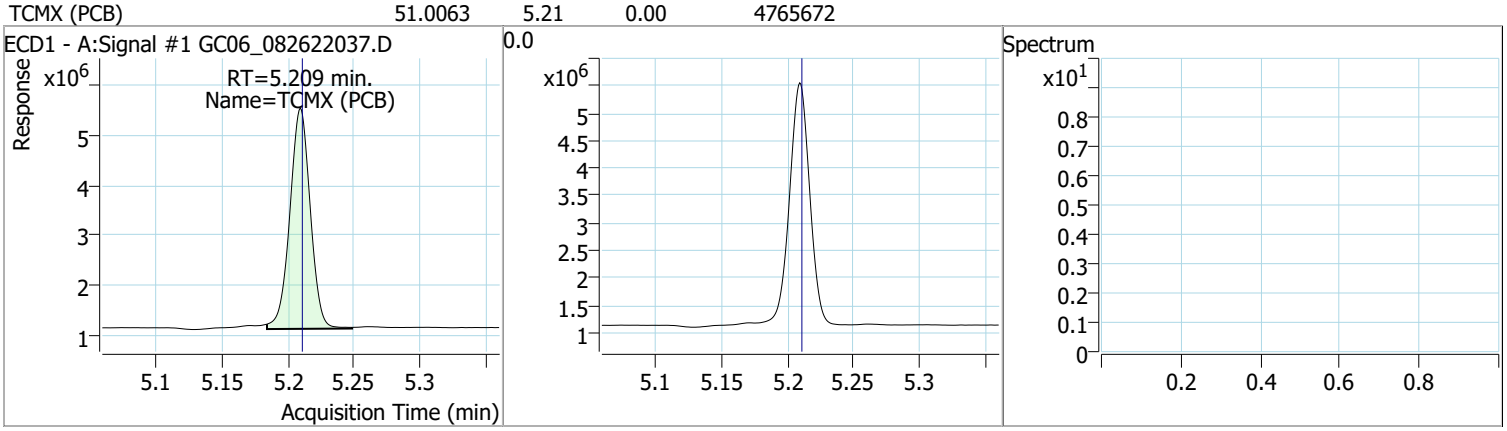
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.576	0.0	791488.011	80.8191	ng/ml	100
T AR1016 1	5.583	0.0	161976.715	85.2479	ng/ml	100
T AR1016 2 #2	5.908	0.0	28267.646	1.3909	ng/ml	100
T AR1016 2	5.860	0.0	8750.812	2.1152	ng/ml	100
T AR1016 3 #2	6.438	0.0	940469.248	35.0885	ng/ml	100
T AR1016 3	6.317	0.0	35209.162	7.2313	ng/ml	100
T AR1016 4	6.537	0.0	411191.019	112.8506	ng/ml	100
T AR1016 4 #2	6.555	0.0	212655.452	11.6947	ng/ml	100
T AR1016 5	6.992	0.0	400807.365	142.2035	ng/ml	100
T AR1016 5 #2	7.354	0.0	99374.443	6.9900	ng/ml	100
T AR1260 1	8.968	0.0	135544.928	22.1733	ng/ml	100
T AR1260 1 #2	9.571	0.0	191286.413	6.0436	ng/ml	100
T AR1260 2	9.581	0.0	21281.312	2.2603	ng/ml	100
T AR1260 2 #2	9.979	0.0	400845.217	10.9604	ng/ml	100
T AR1260 3	10.138	0.0	34935.977	3.5693	ng/ml	100
T AR1260 3 #2	10.463	0.0	382212.827	7.6924	ng/ml	100
T AR1260 4	10.558	0.0	164792.162	33.8530	ng/ml	100
T AR1260 4 #2	10.961	0.0	176767.539	6.5745	ng/ml	100
T AR1260 5	11.338	0.0	460793.123	71.5208	ng/ml	100
T AR1260 5 #2	11.696	0.0	1073642.101	27.0849	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

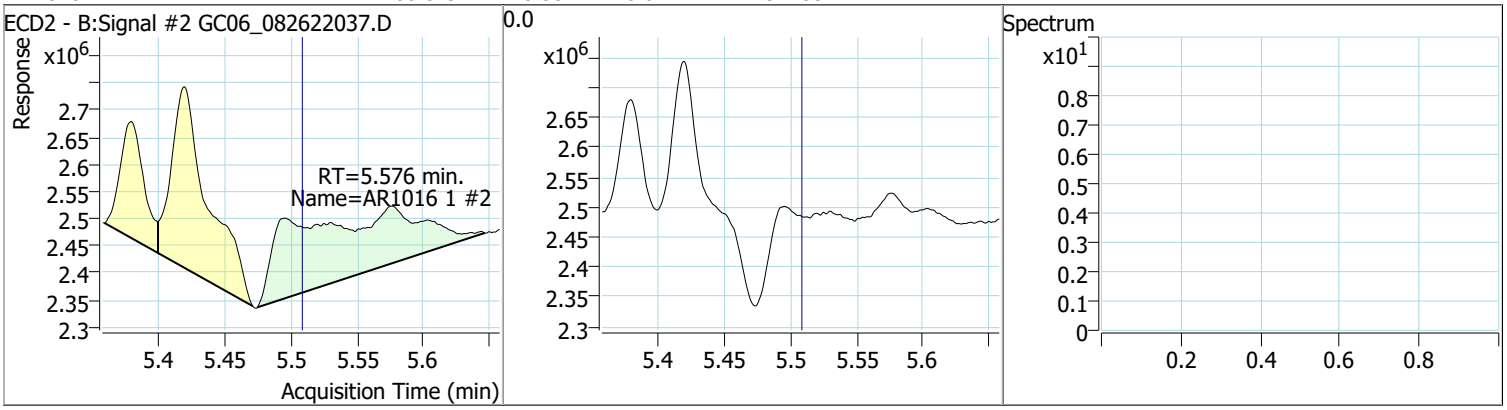
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	51.2526	5.07	0.00	24549996				



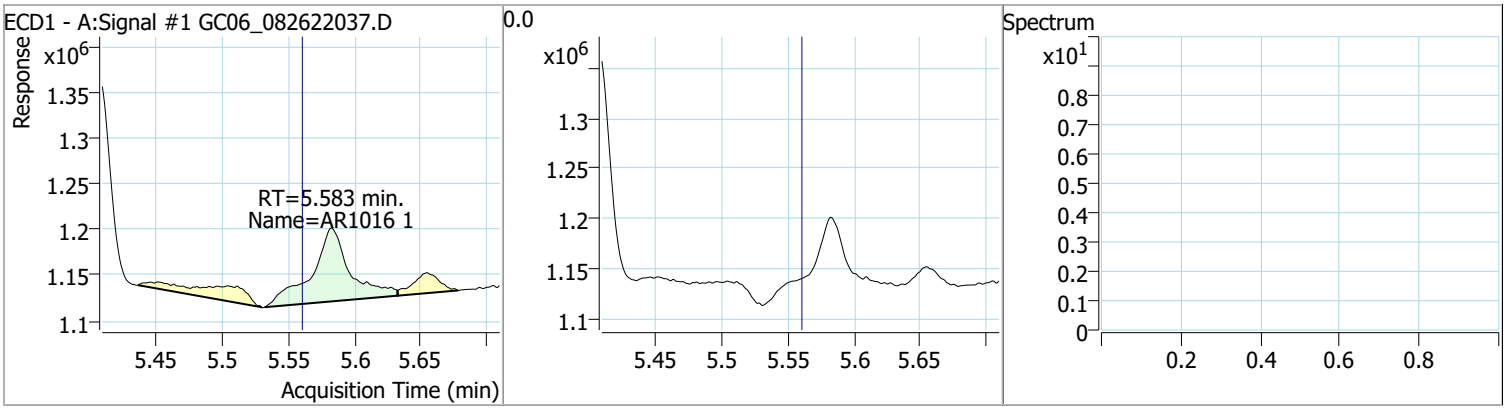
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	51.0063	5.21	0.00	4765672				



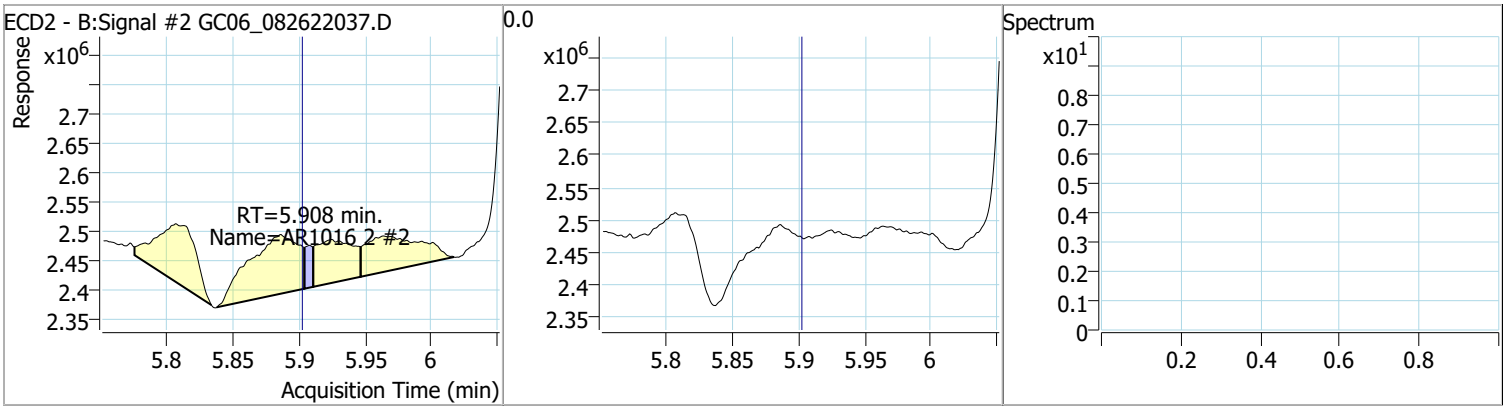
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	80.8191	5.58	0.07	791488				



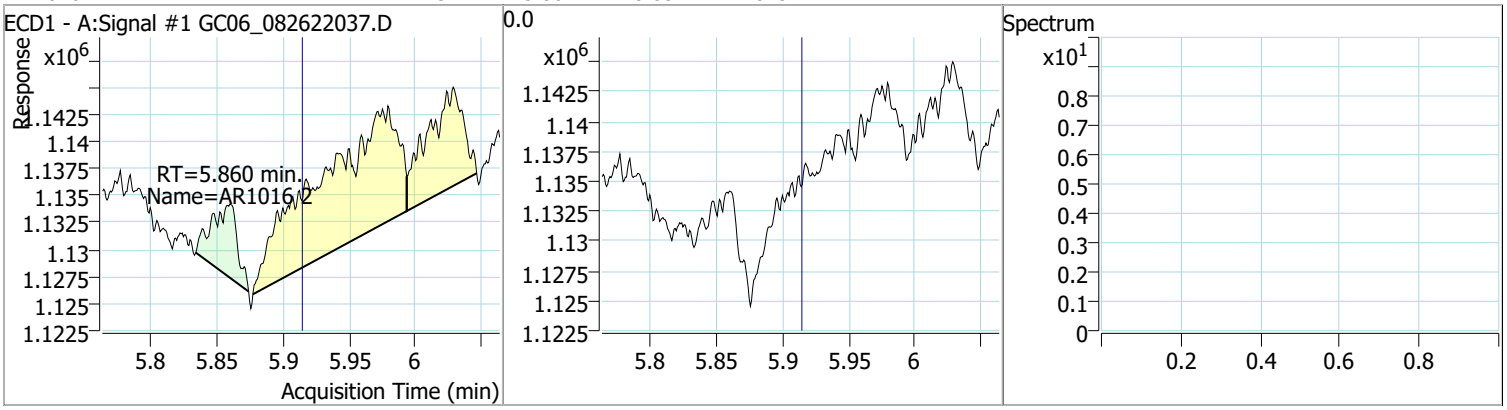
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	85.2479	5.58	0.02	161977				



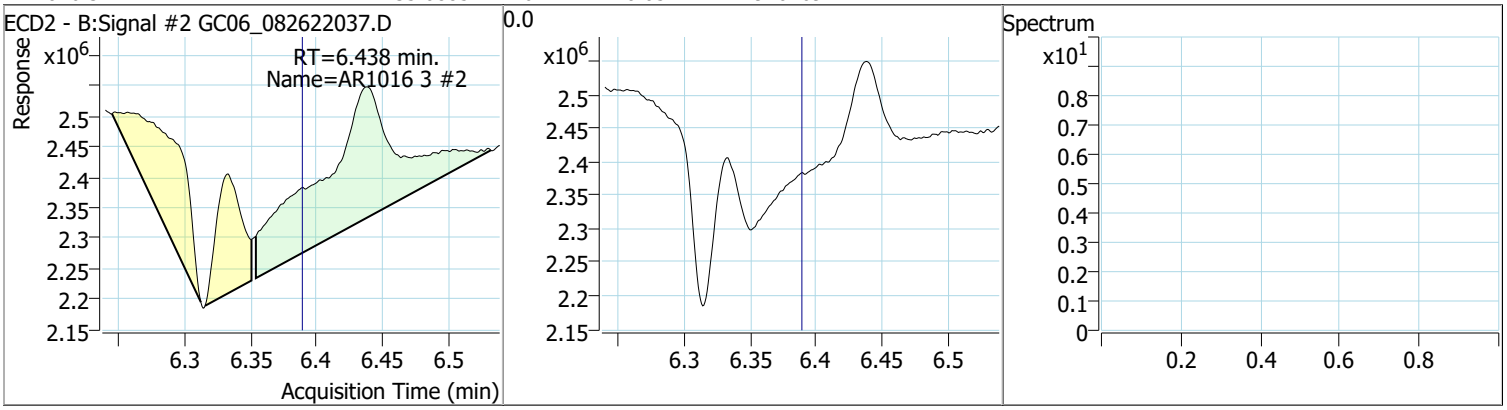
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1.3909	5.91	0.00	28268				



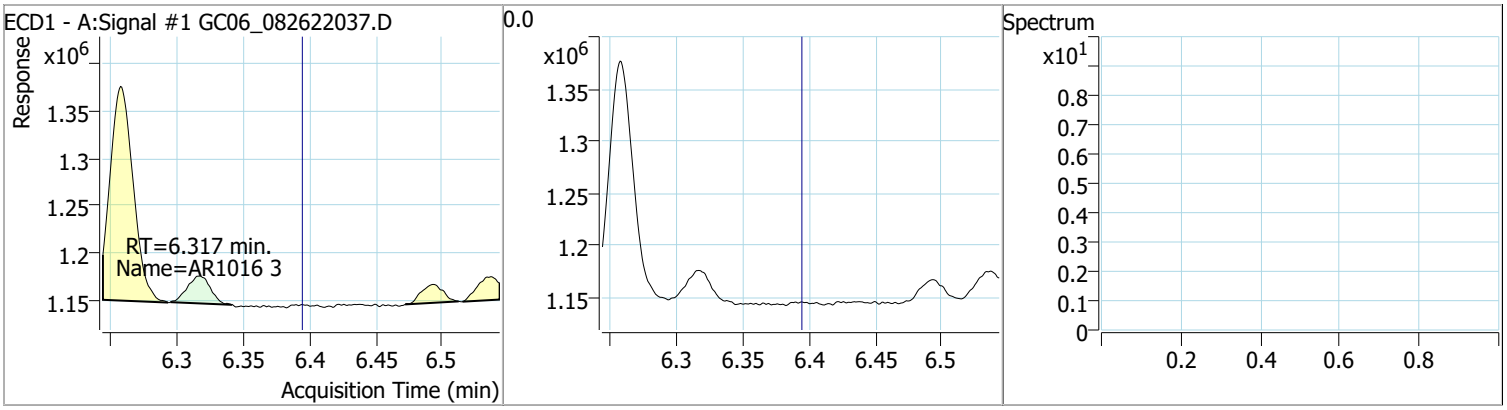
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	2.1152	5.86	-0.05	8751				



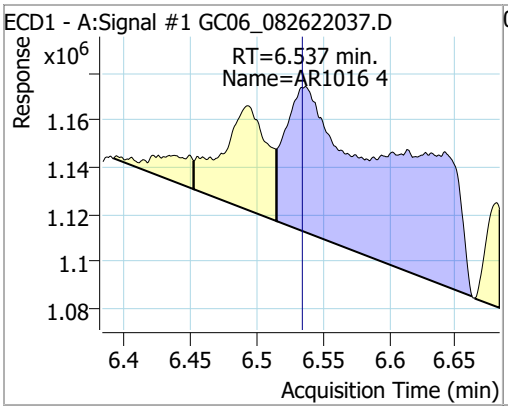
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	35.0885	6.44	0.05	940469				

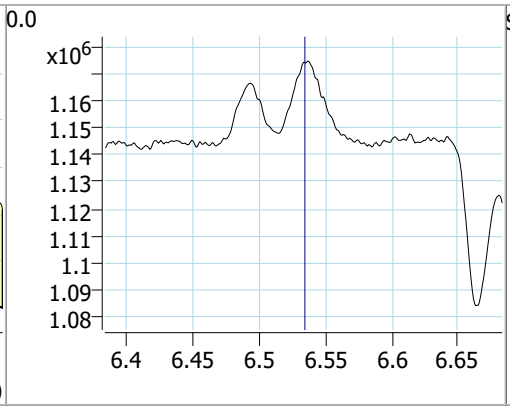


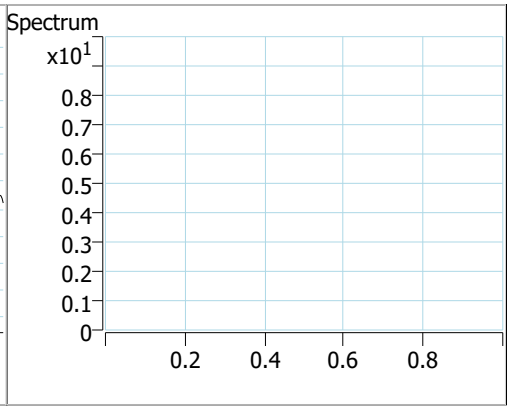
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	7.2313	6.32	-0.08	35209				



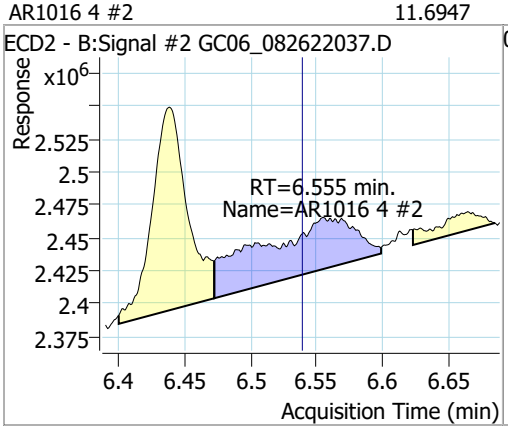
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	112.8506	6.54	0.00	411191				

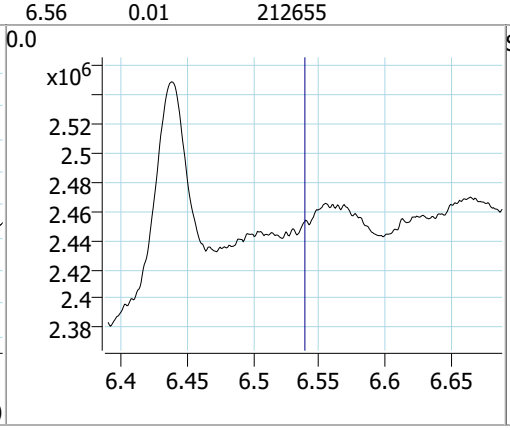


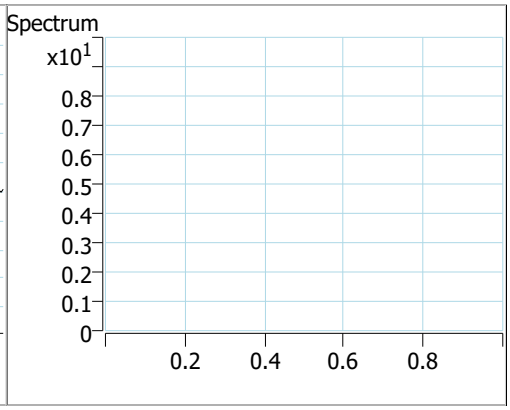




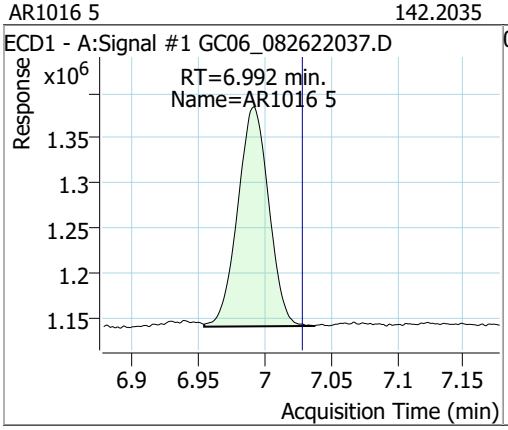
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	11.6947	6.56	0.01	212655				

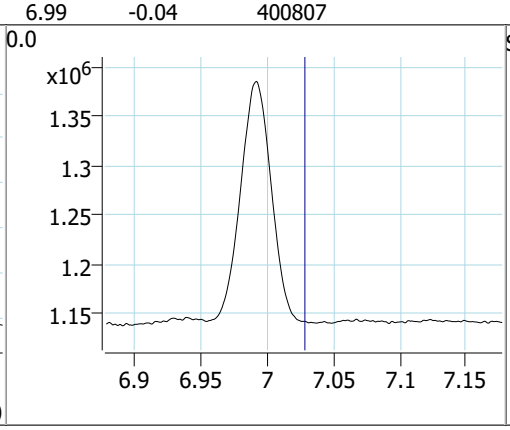


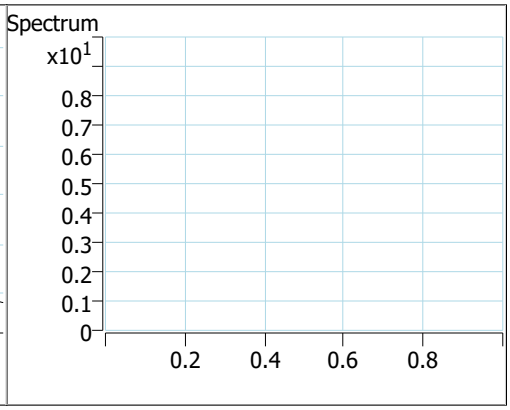




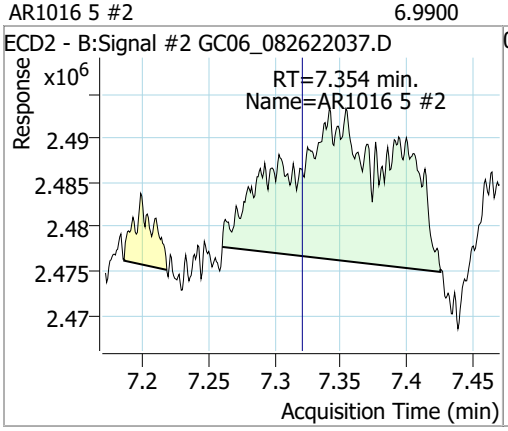
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	142.2035	6.99	-0.04	400807				

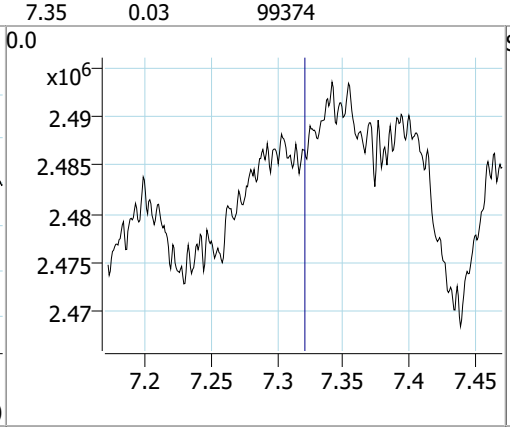


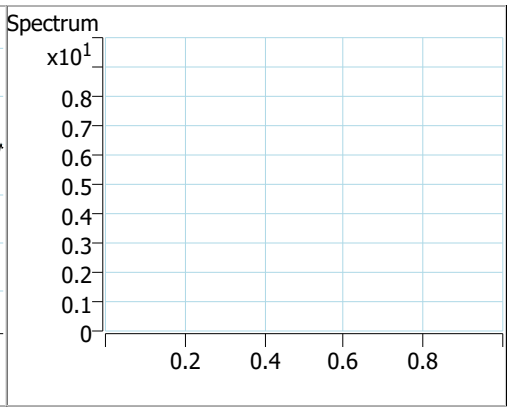




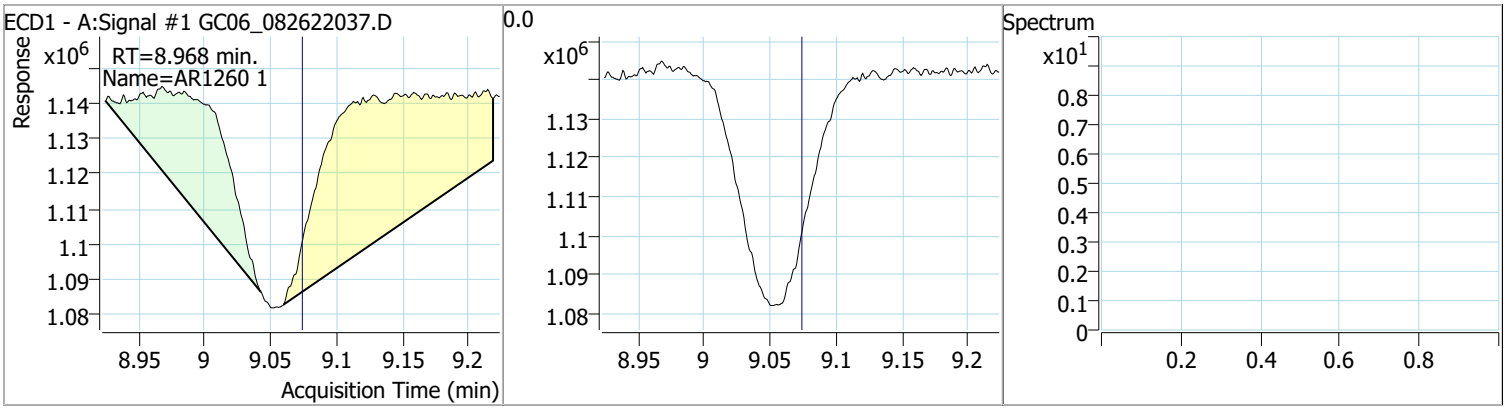
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	6.9900	7.35	0.03	99374				



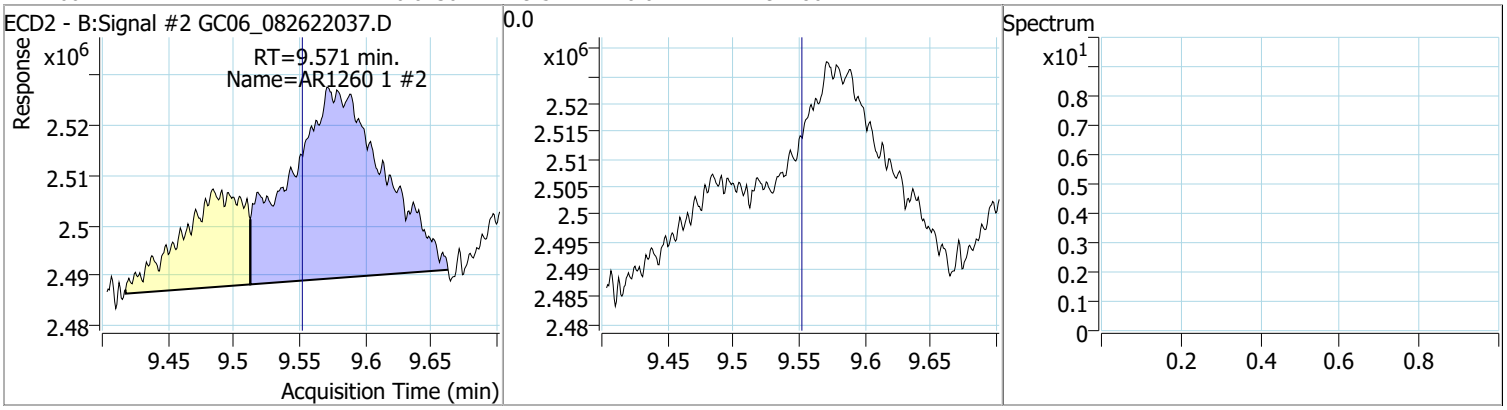




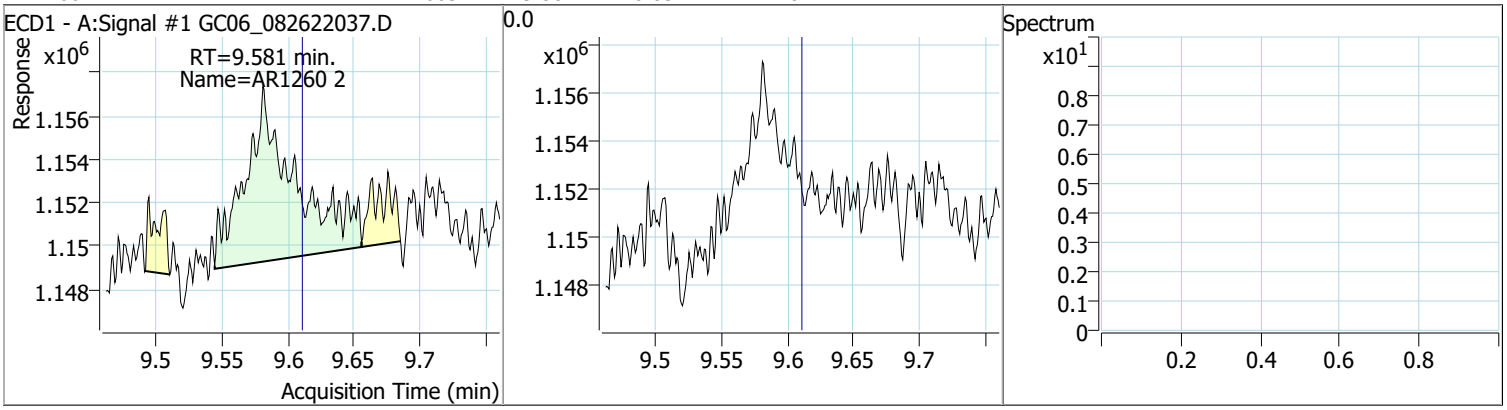
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	22.1733	8.97	-0.11	135545				



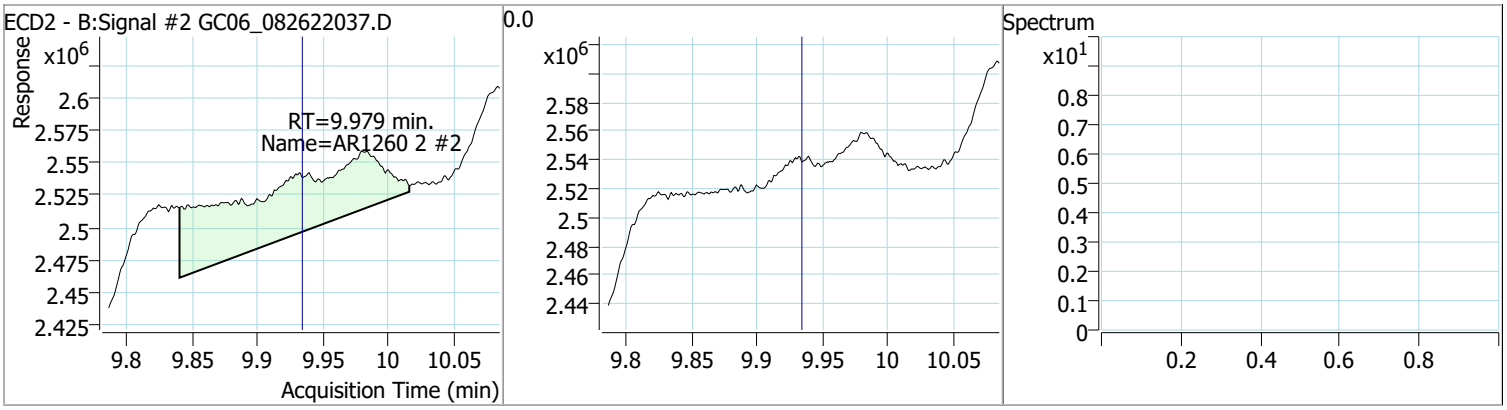
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	6.0436	9.57	0.02	191286				



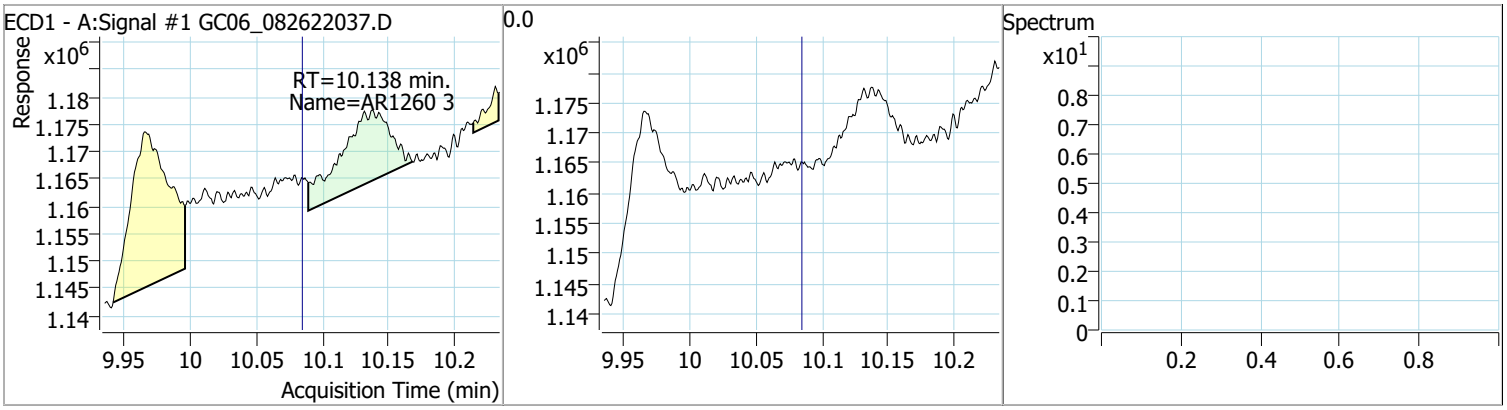
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.2603	9.58	-0.03	21281				



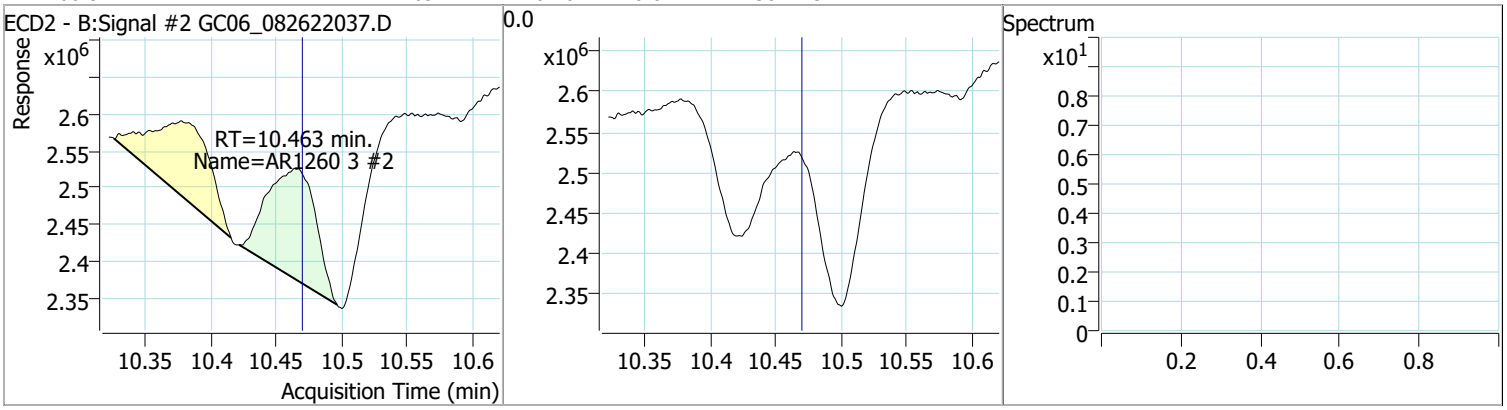
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	10.9604	9.98	0.04	400845				



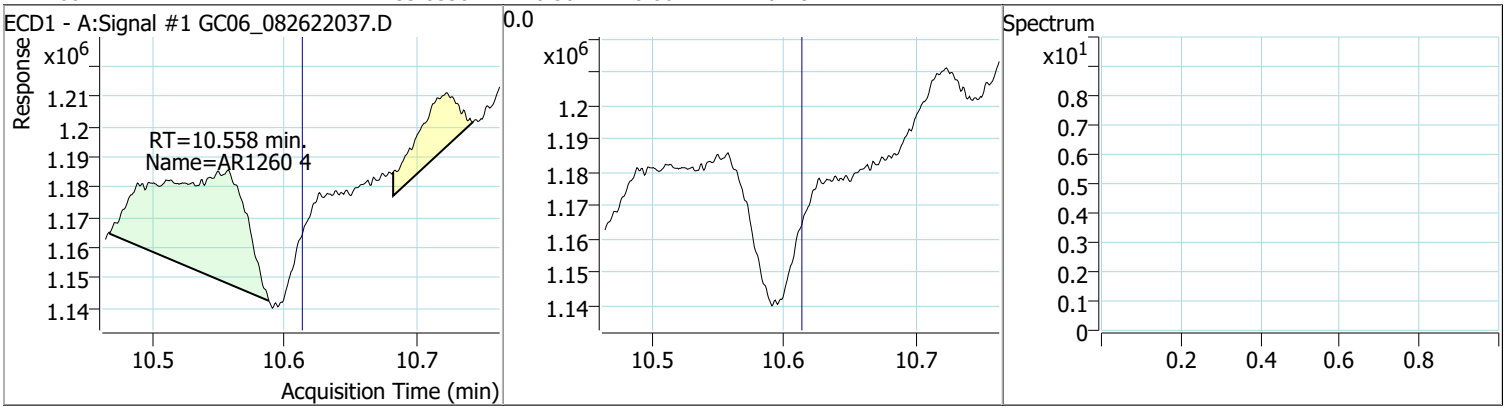
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	3.5693	10.14	0.05	34936				



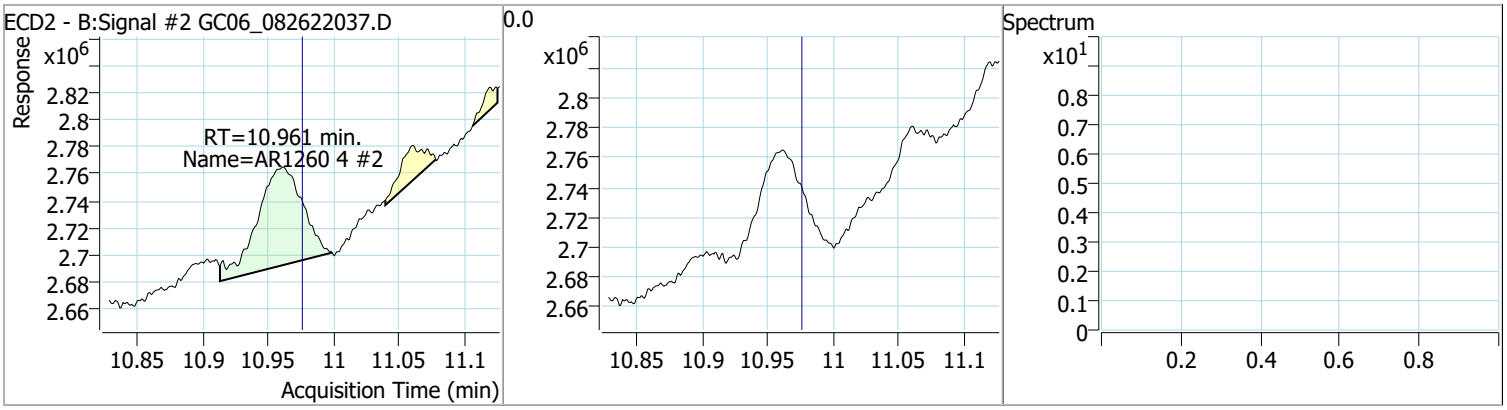
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.6924	10.46	-0.01	382213				



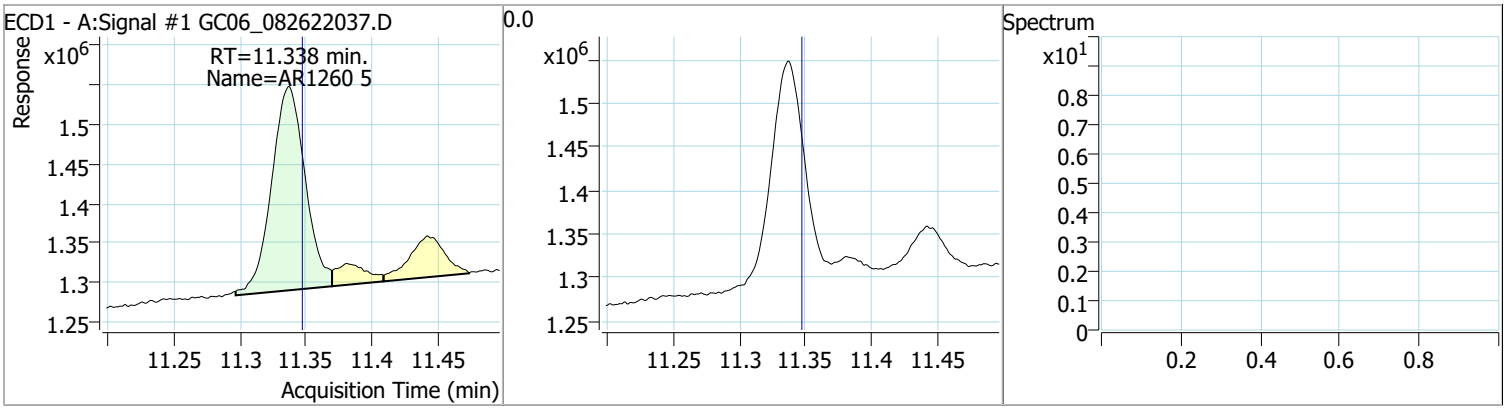
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	33.8530	10.56	-0.06	164792				



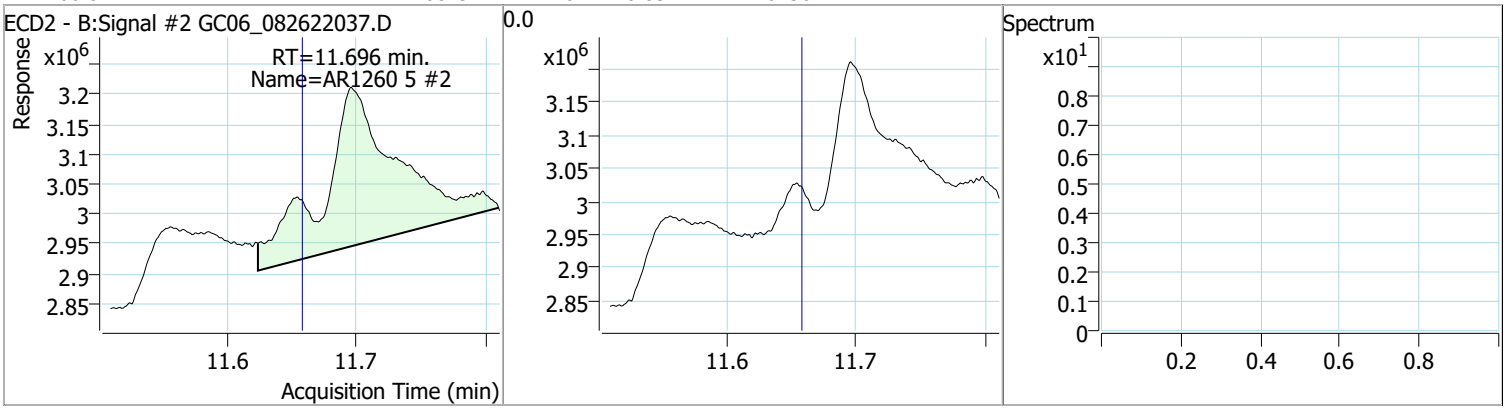
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	6.5745	10.96	-0.02	176768				



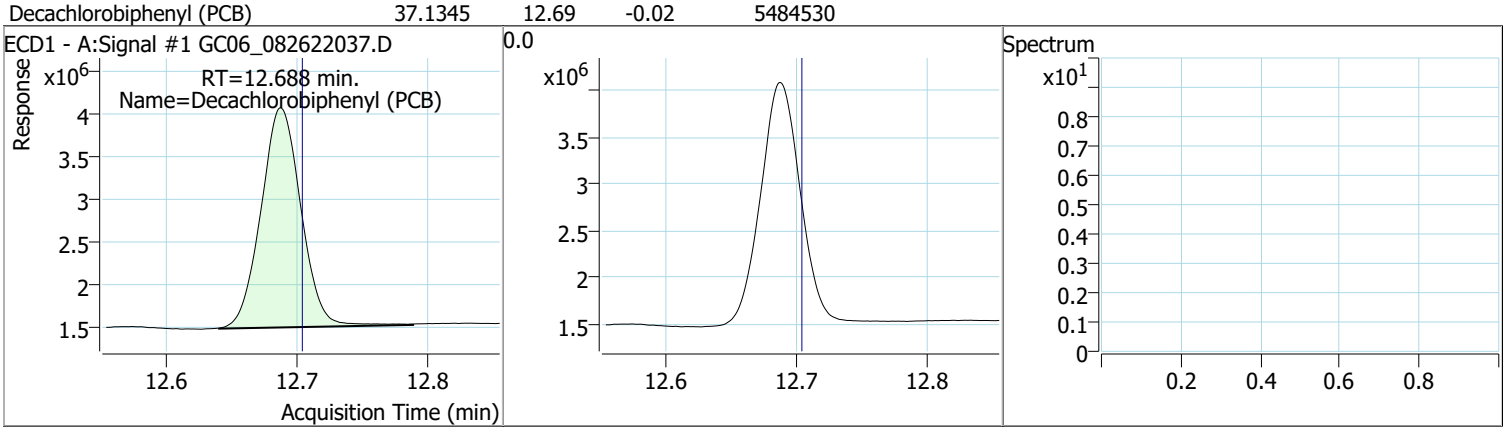
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	71.5208	11.34	-0.01	460793				



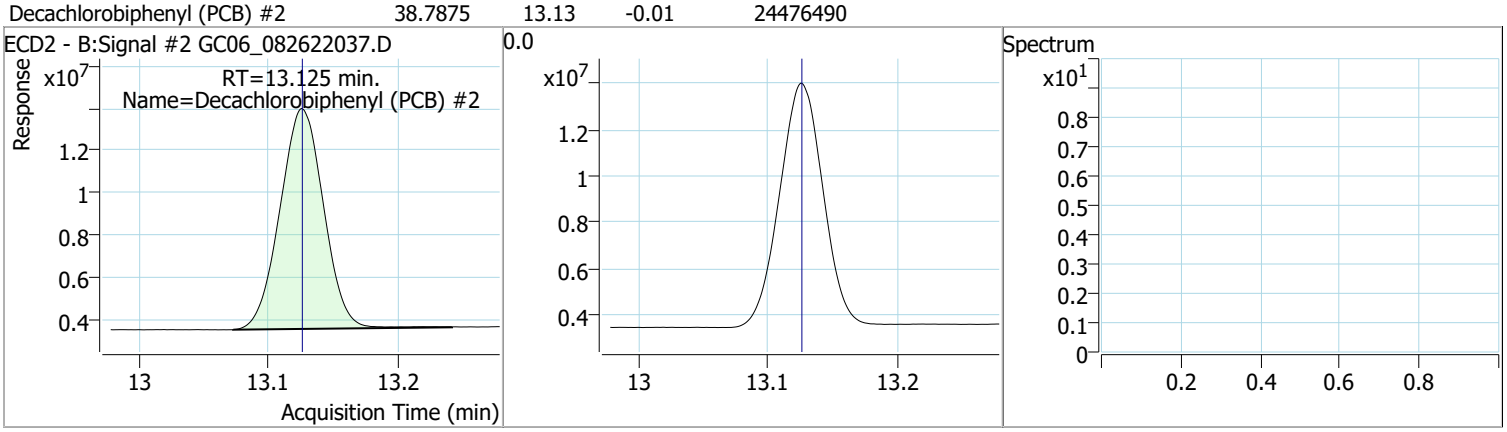
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	27.0849	11.70	0.03	1073642				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	37.1345	12.69	-0.02	5484530				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	38.7875	13.13	-0.01	24476490				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467872-010	Client ID:	DOOR-N-0.1GE-PS-17-220823-P-G
Seqnum:	452343556038	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622038	Batch:	295631	Time:	27-AUG-2022 00:33
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	60.91	~~1.2~~ ~~FP~~	0.40	102%	1.0		x u
Aroclor-1016 Peak # 1	A	10.30	0.21	0.33	46%			
Aroclor-1016 Peak # 2	A	2.253	0.05	0.33	152%			
Aroclor-1016 Peak # 3	A	6.994	0.14	1.05	153%			
Aroclor-1016 Peak # 4	A	151.5	3.03	0.23	172%			
Aroclor-1016 Peak # 5	A	133.5	2.67	0.04	194%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	19.94	ND	0.25	44%	1.0		u
Aroclor-1260 Peak # 1	A	19.65	0.39	0.14	97%			
Aroclor-1260 Peak # 2	A	0.3530	0.01	0.17	184%			
Aroclor-1260 Peak # 3	A	4.004	0.08	0.17	71%			
Aroclor-1260 Peak # 4	A	33.05	0.66	0.01	193%			
Aroclor-1260 Peak # 5	A	42.67	0.85	0.78	9%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	47.02	1.000	0.9403	94	52-186	c+ u
Decachlorobiphenyl (PCB)	A	36.14	1.000	0.7228	72	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	7831157	-4.71
1-bromo-2-nitrobenzene (PCB)	A	1919479	1486306	-22.57

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

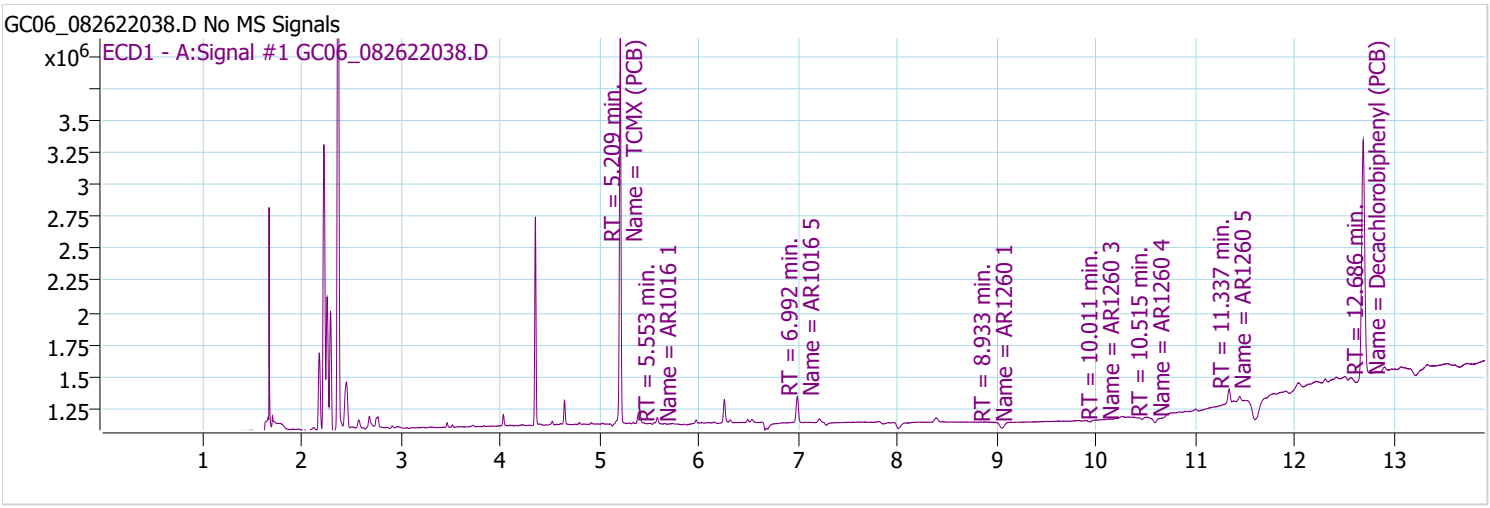
ISTD (CCV gc06_082622002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.12	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

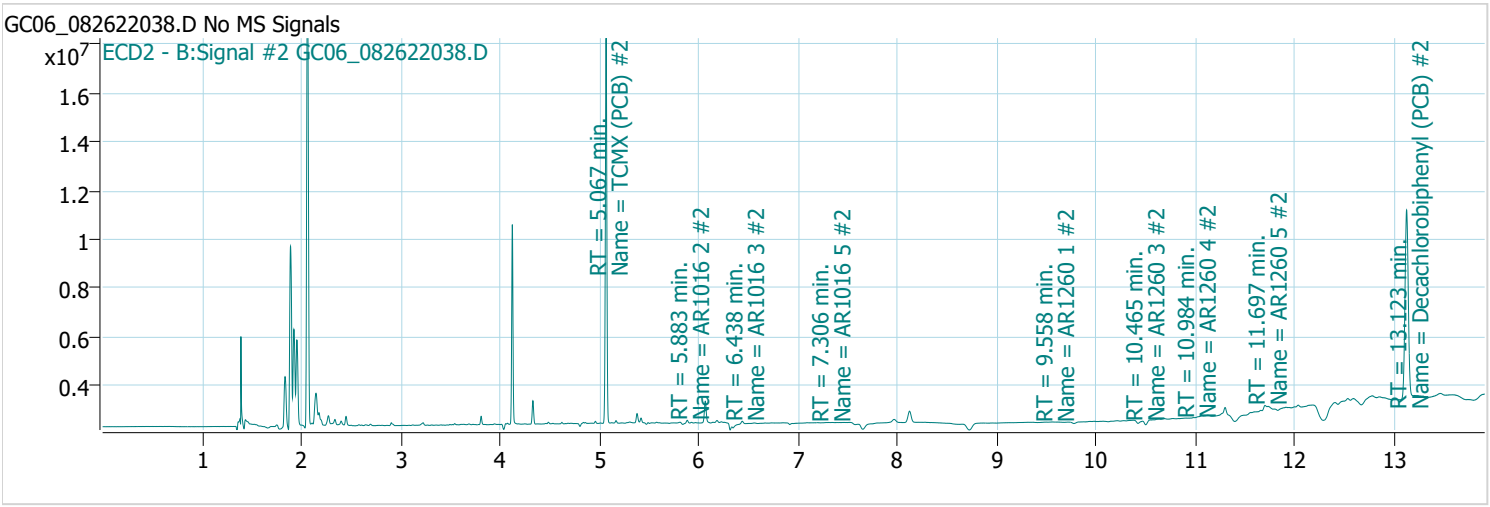
Analyst: TRN 08/29/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622038.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/27/2022 12:33:03 AM
Sample Name	467872-010, 295631, 1	Instrument	SVOA-GC06
Vial	28	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



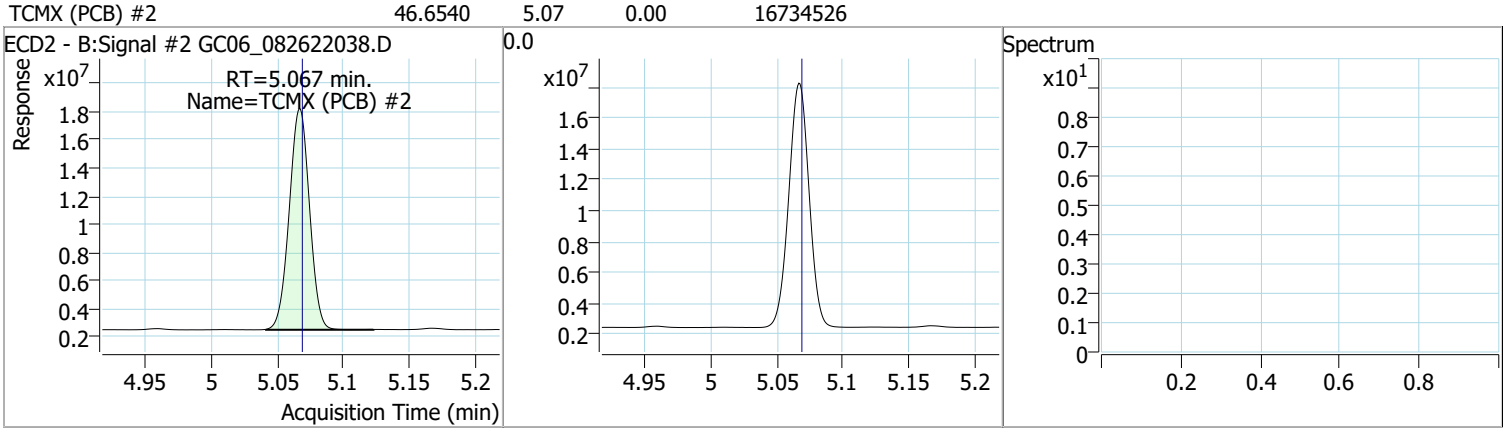


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	7831156.688	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB)	4.355	0.0	1486305.976	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB) #2	5.067	0.0	16734525.932	46.6540	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 233.27%		*	
S TCMX (PCB)	5.209	0.0	3360471.819	47.0050	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 235.02%		*	
S Decachlorobiphenyl (PCB)	12.686	0.0	4083445.672	36.1334	ng/ml		-0.020
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 180.67%		*	
S Decachlorobiphenyl (PCB) #2	13.123	0.0	18089085.966	38.2799	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 191.40%		*	
Target Compounds							QValue

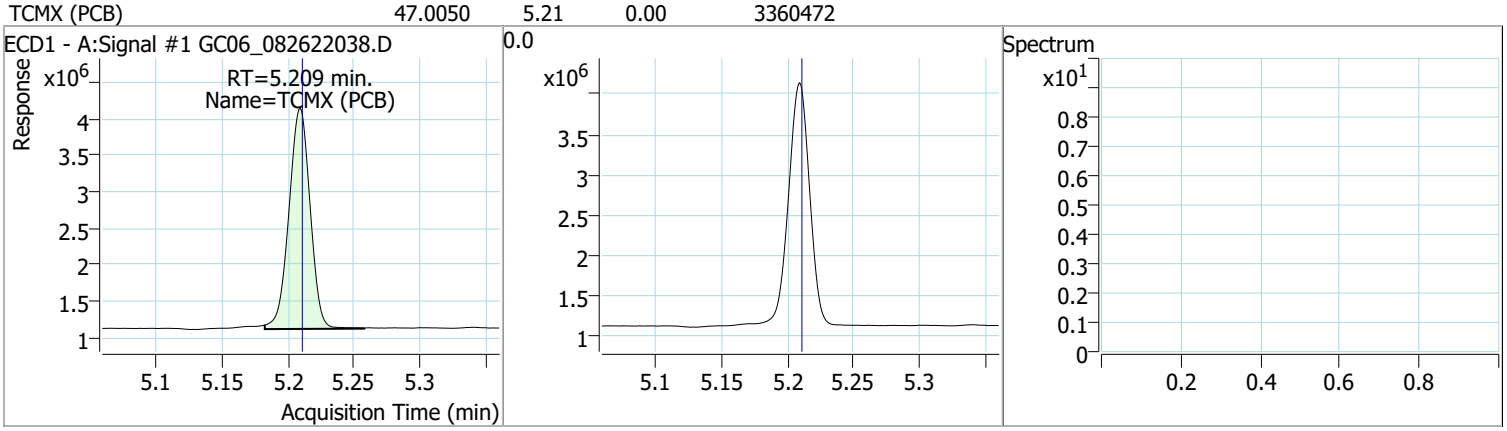
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.526	0.0	120995.090	16.4986	ng/ml	100
T AR1016 1	5.553	0.0	14977.164	10.3016	ng/ml	100
T AR1016 2 #2	5.883	0.0	253110.097	16.6311	ng/ml	100
T AR1016 2	5.853	0.0	7130.115	2.2524	ng/ml	100
T AR1016 3 #2	6.438	0.0	1052015.218	52.4147	ng/ml	100
T AR1016 3	6.317	0.0	26049.803	6.9921	ng/ml	100
T AR1016 4	6.536	0.0	422142.417	151.4130	ng/ml	100
T AR1016 4 #2	6.558	0.0	153797.707	11.2947	ng/ml	100
T AR1016 5	6.992	0.0	287934.792	133.5097	ng/ml	100
T AR1016 5 #2	7.306	0.0	21620.107	2.0308	ng/ml	100
T AR1260 1	8.933	0.0	91879.960	19.6431	ng/ml	100
T AR1260 1 #2	9.558	0.0	162134.728	6.8406	ng/ml	100
T AR1260 2	9.619	0.0	2542.367	0.3529	ng/ml	100
T AR1260 2 #2	10.069	0.0	237635.049	8.6771	ng/ml	100
T AR1260 3	10.011	0.0	29977.021	4.0026	ng/ml	100
T AR1260 3 #2	10.465	0.0	312481.116	8.3983	ng/ml	100
T AR1260 4	10.515	0.0	123075.631	33.0428	ng/ml	100
T AR1260 4 #2	10.984	0.0	11943.496	0.5932	ng/ml	100
T AR1260 5	11.337	0.0	210291.487	42.6572	ng/ml	100
T AR1260 5 #2	11.697	0.0	1162983.356	39.1789	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

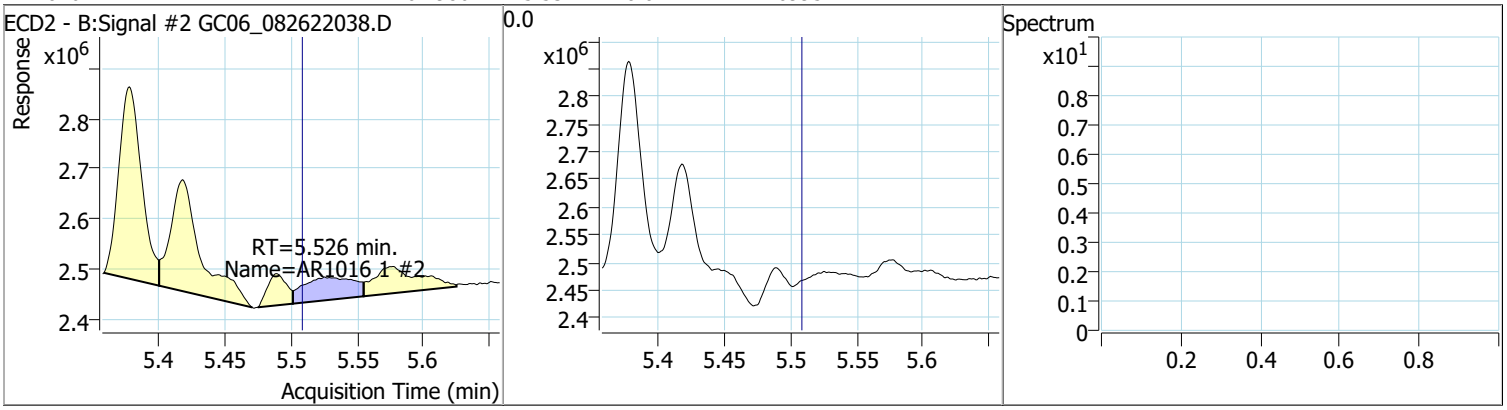
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	46.6540	5.07	0.00	16734526				



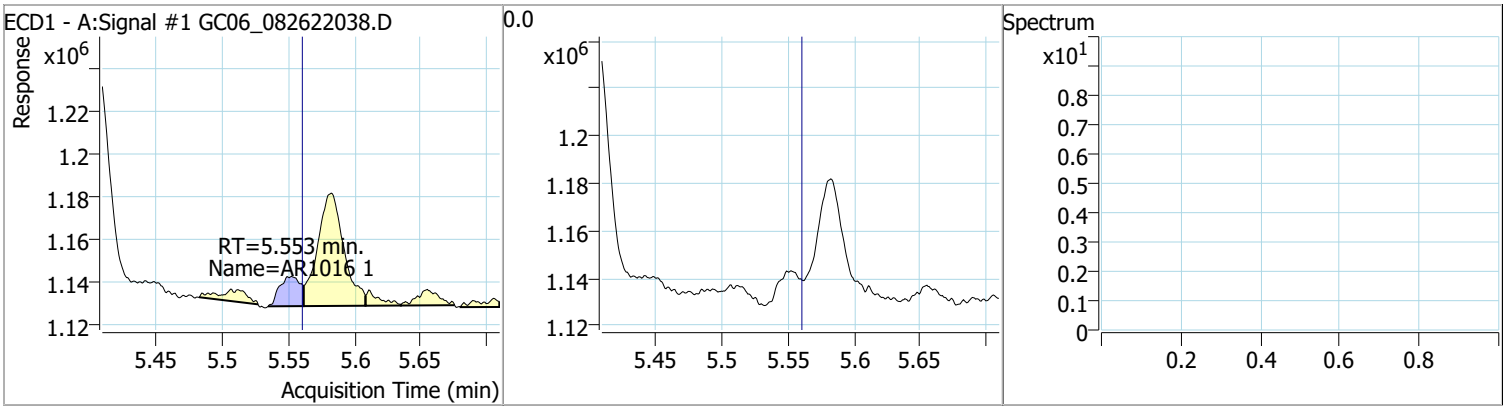
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	47.0050	5.21	0.00	3360472				



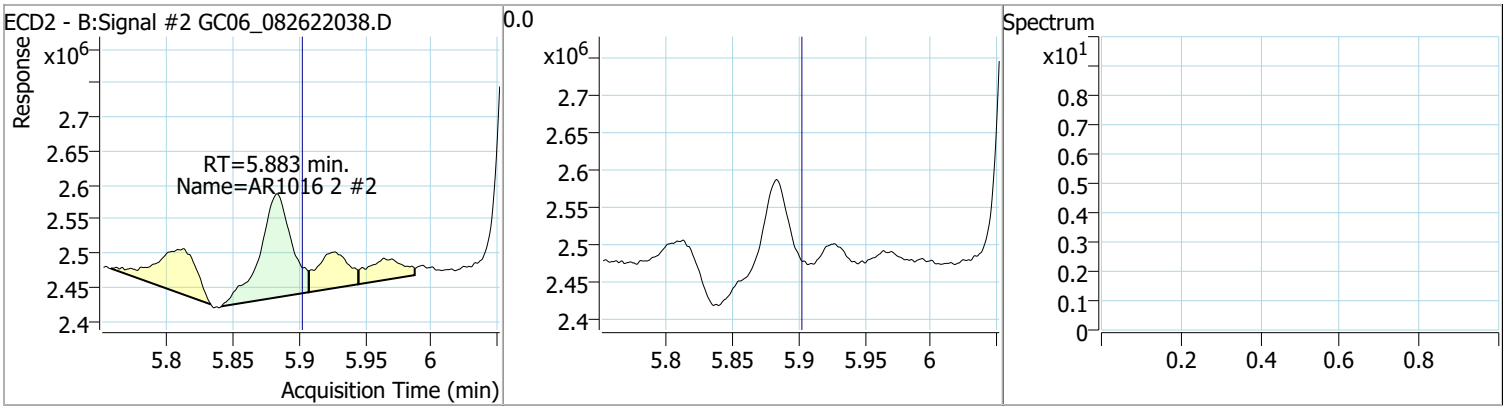
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	16.4986	5.53	0.02	120995				



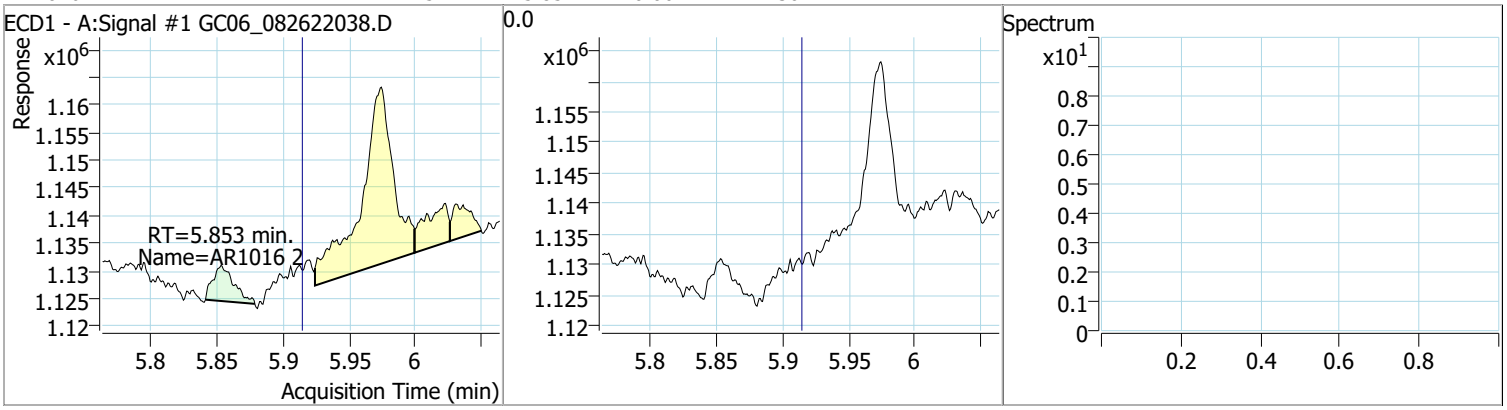
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	10.3016	5.55	-0.01	14977				



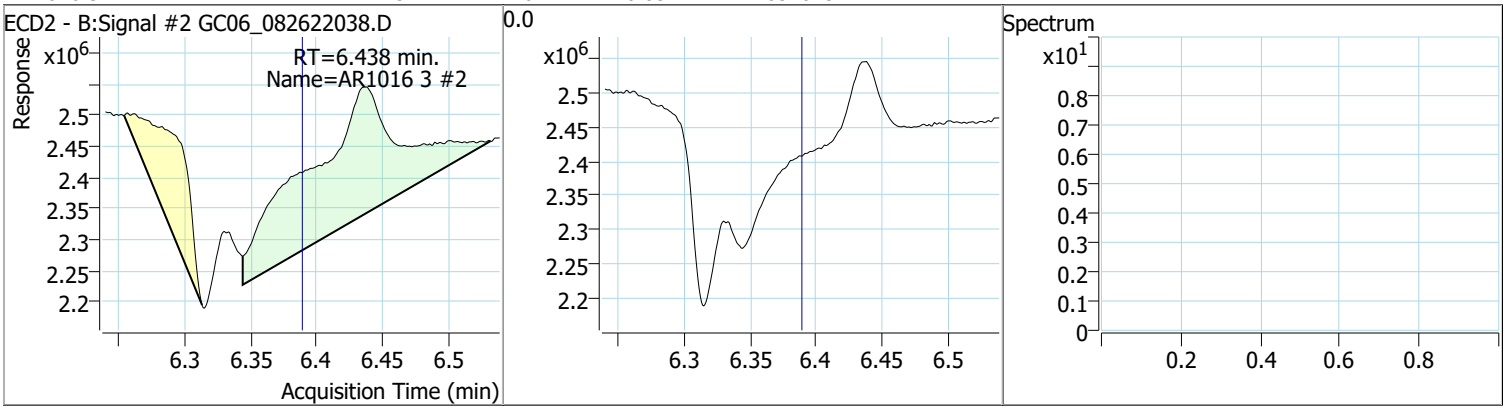
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	16.6311	5.88	-0.02	253110				



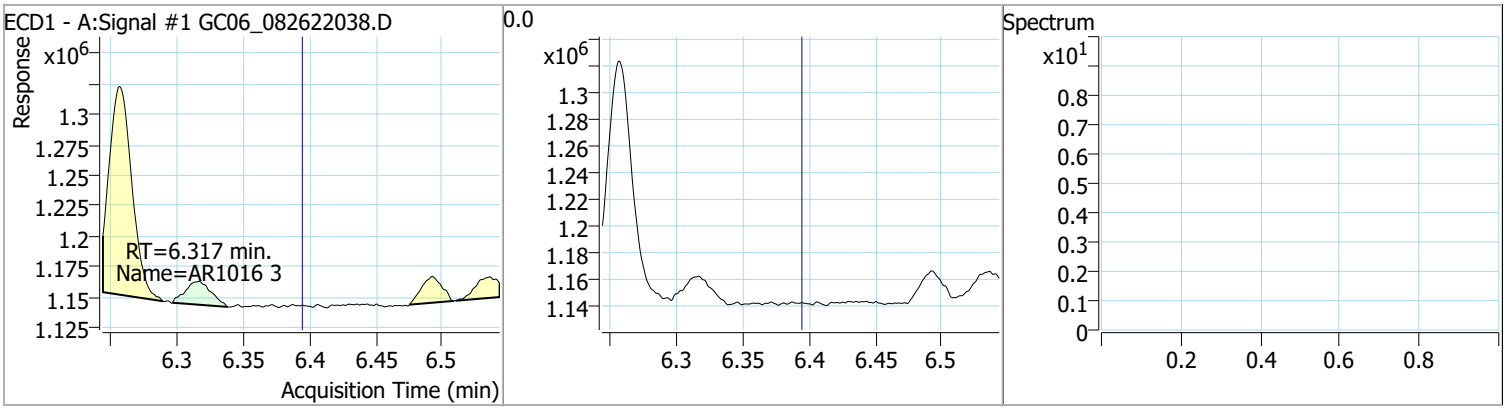
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	2.2524	5.85	-0.06	7130				



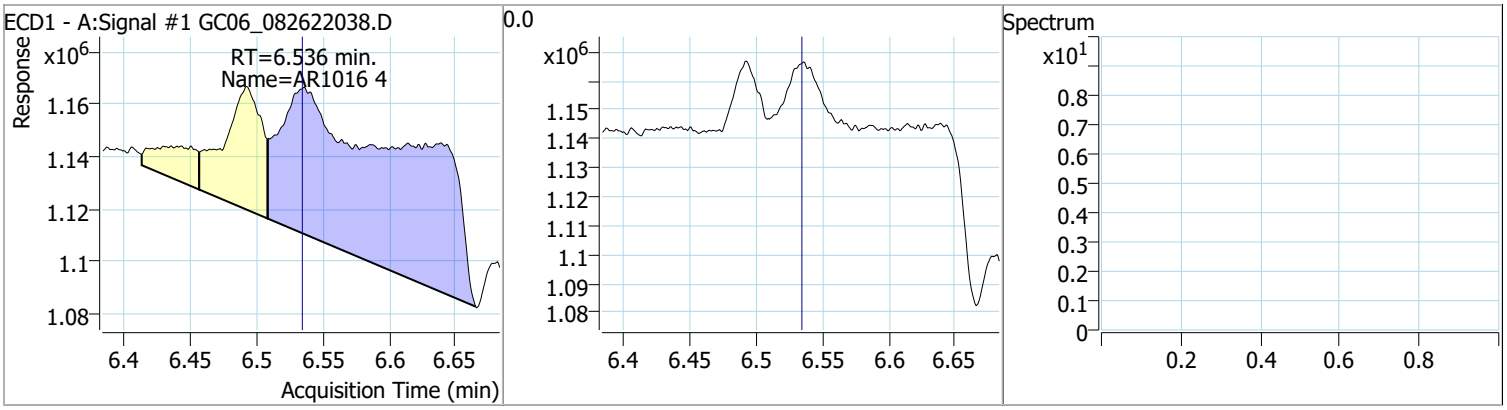
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	52.4147	6.44	0.05	1052015				



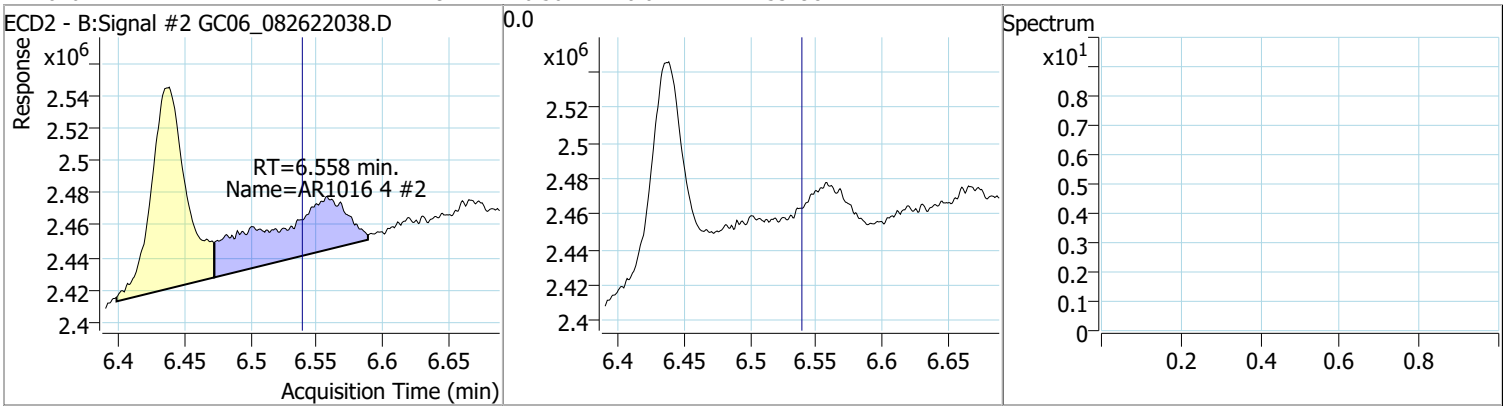
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	6.9921	6.32	-0.08	26050				



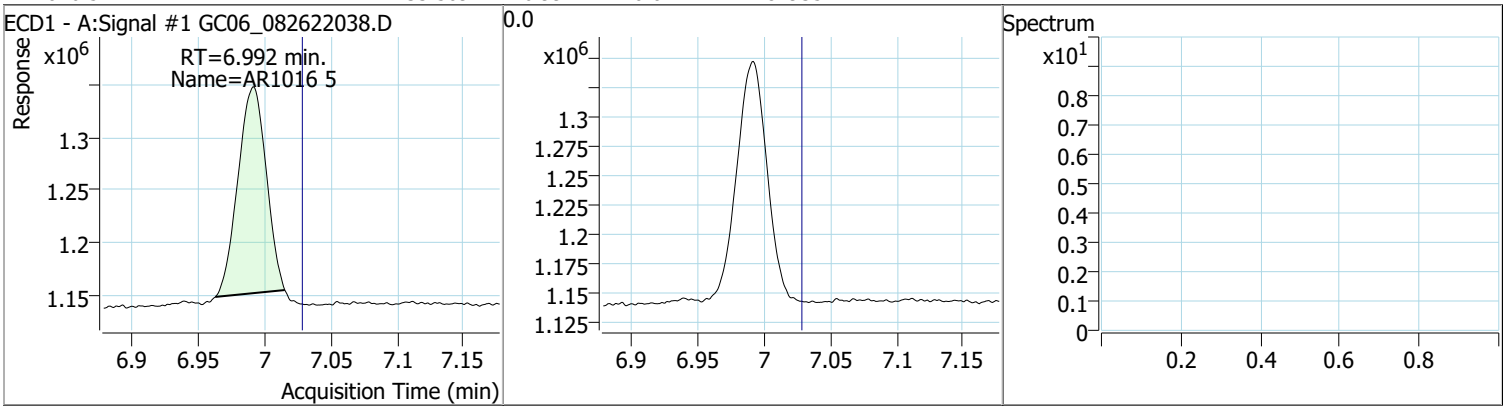
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	151.4130	6.54	0.00	422142				



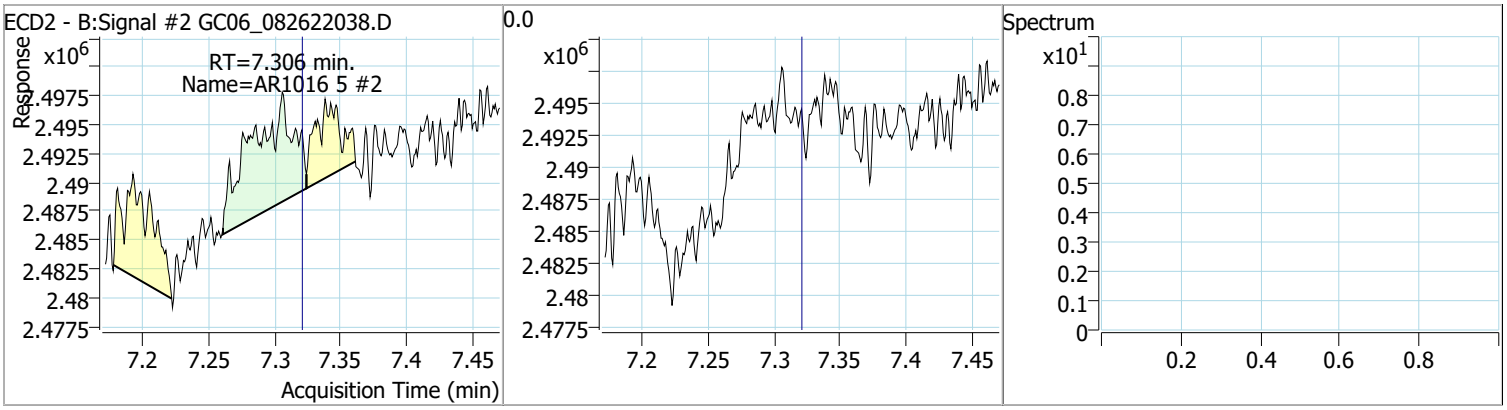
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	11.2947	6.56	0.02	153798				



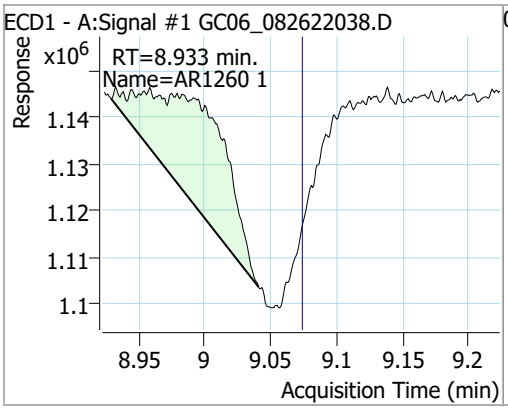
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	133.5097	6.99	-0.04	287935				

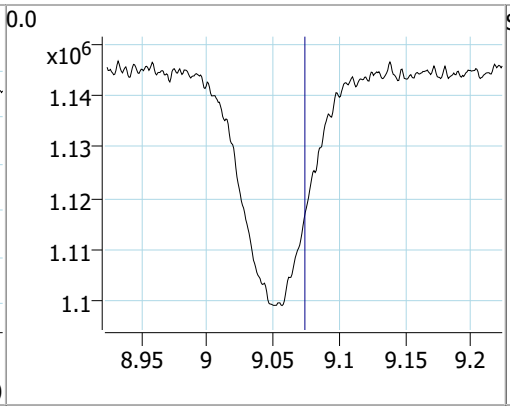


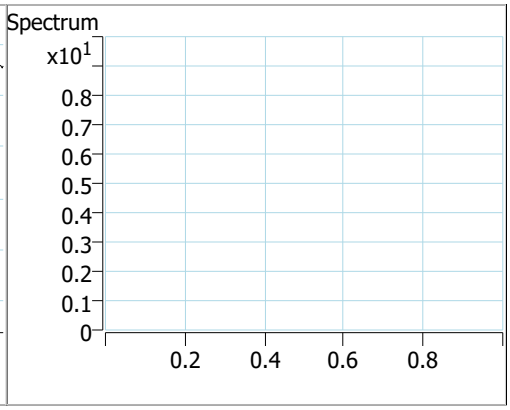
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.0308	7.31	-0.02	21620				



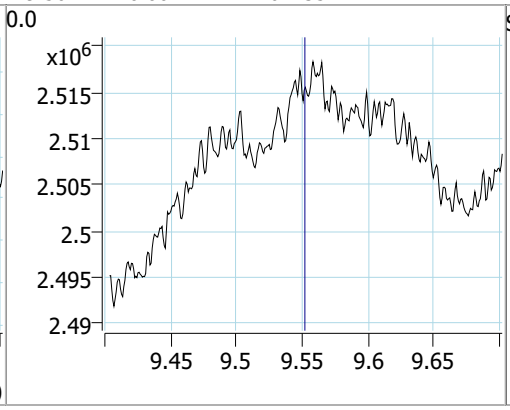
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	19.6431	8.93	-0.14	91880				

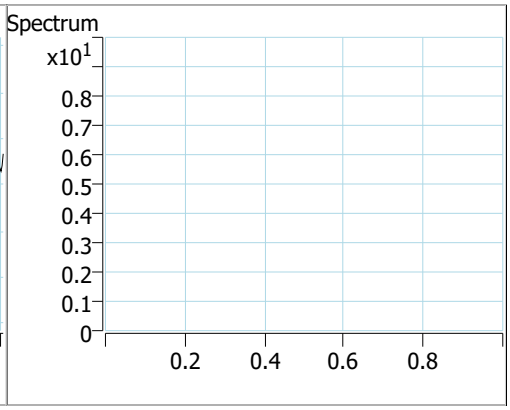




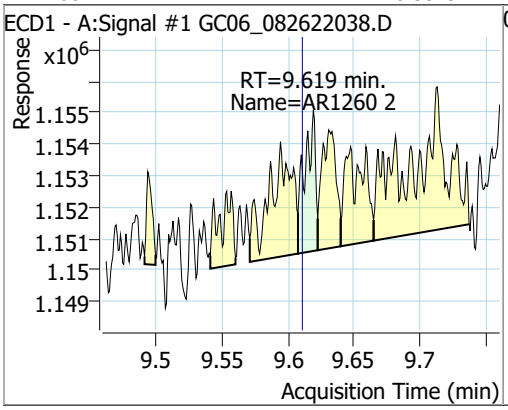


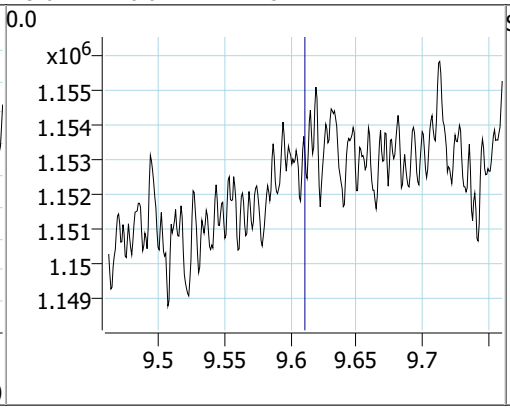
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	6.8406	9.56	0.00	162135				

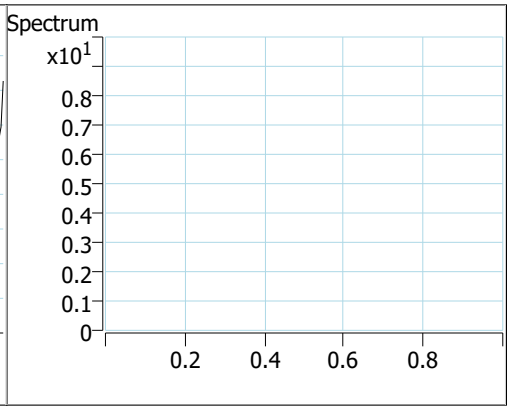




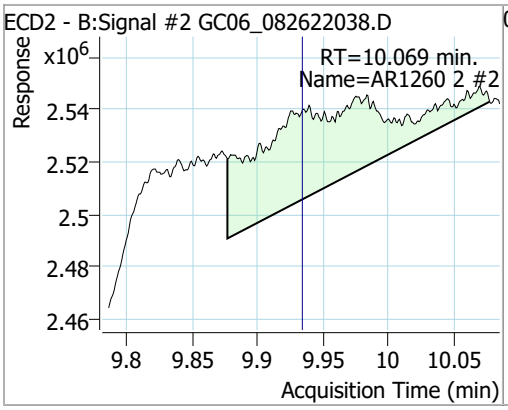
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.3529	9.62	0.01	2542				

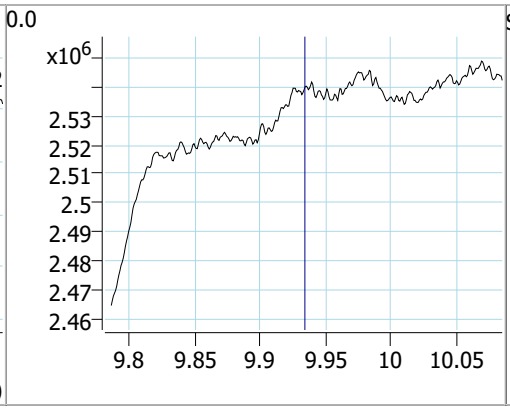


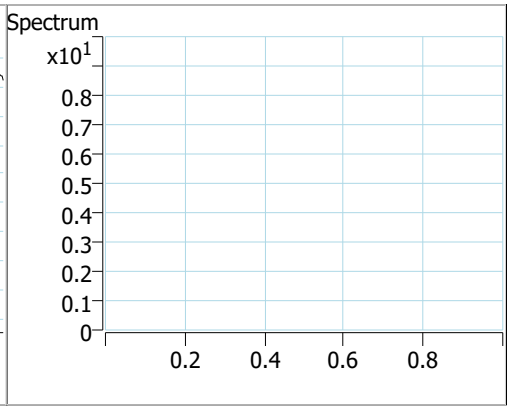




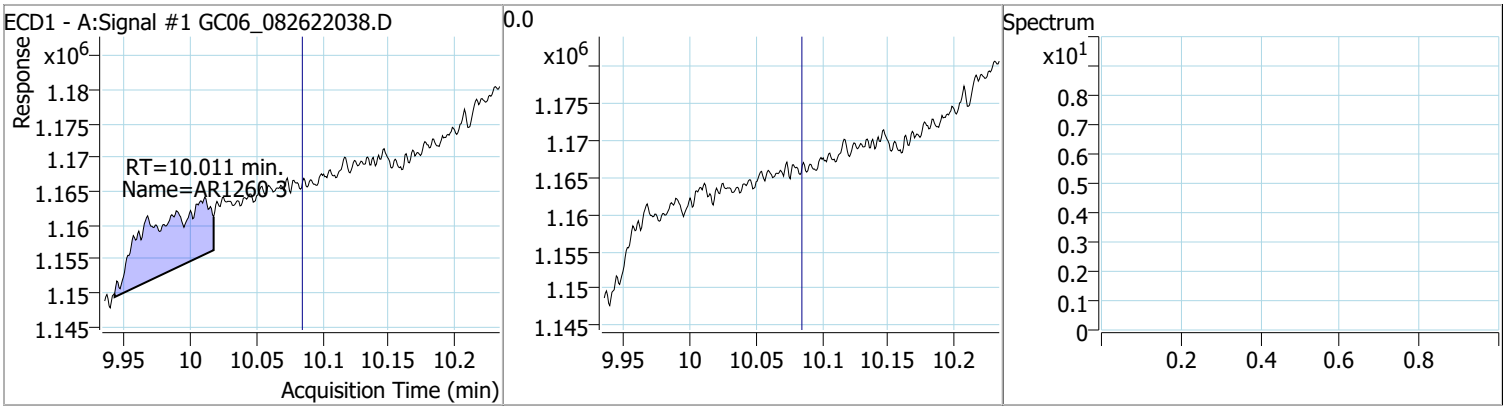
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	8.6771	10.07	0.13	237635				



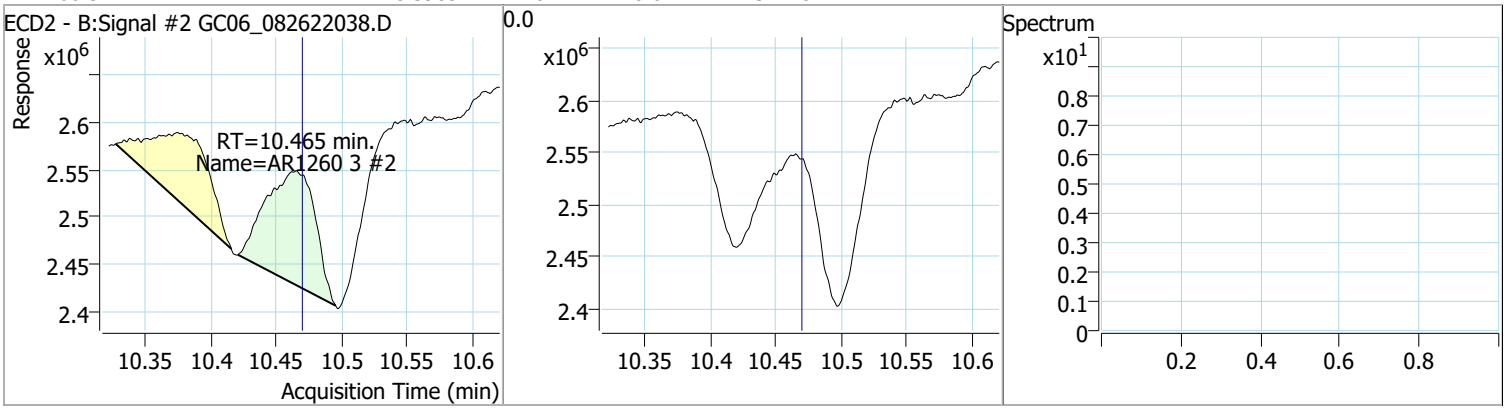




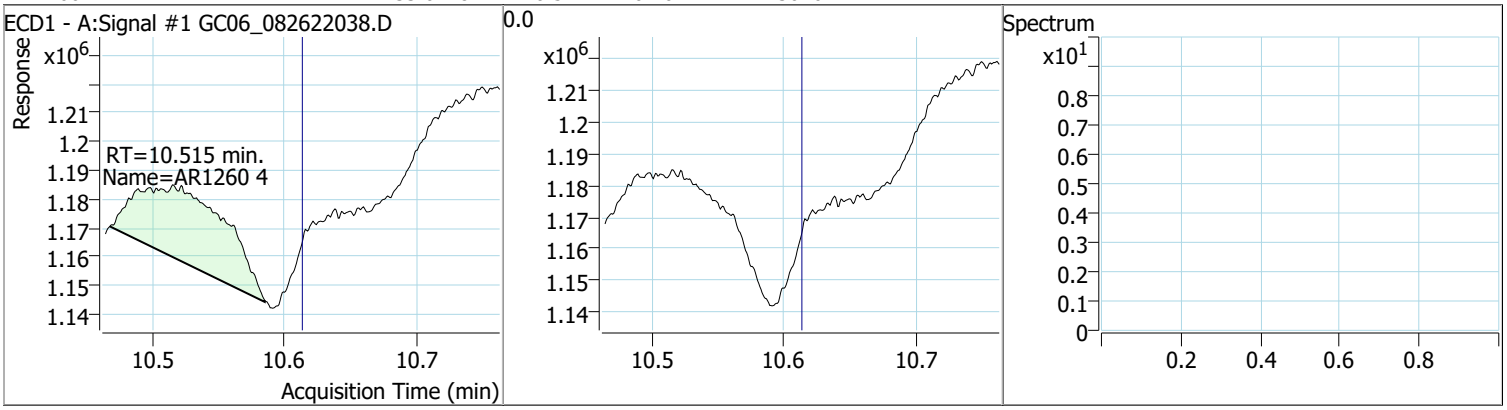
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	4.0026	10.01	-0.08	29977				



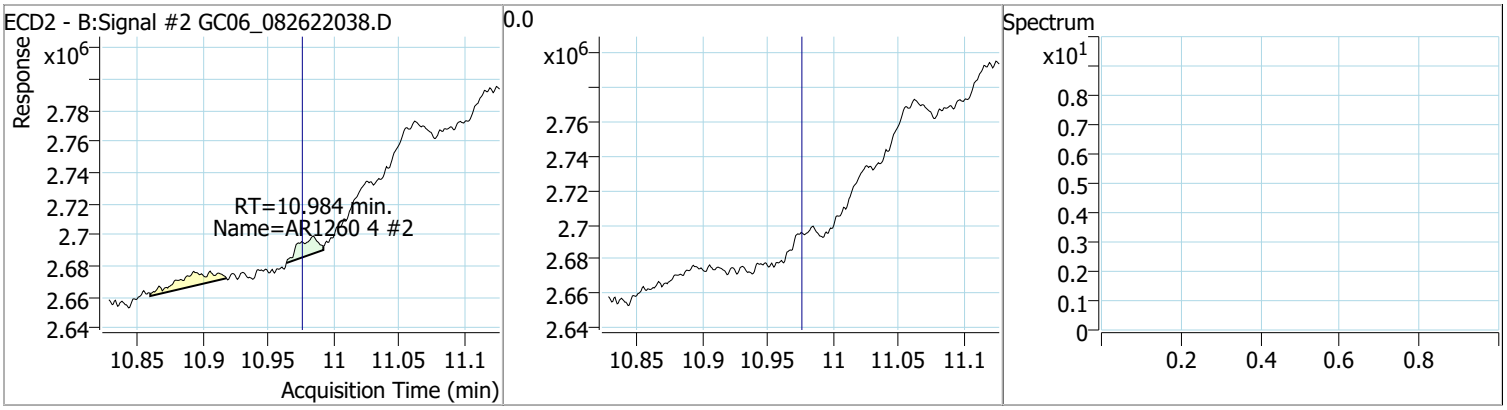
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	8.3983	10.47	-0.01	312481				



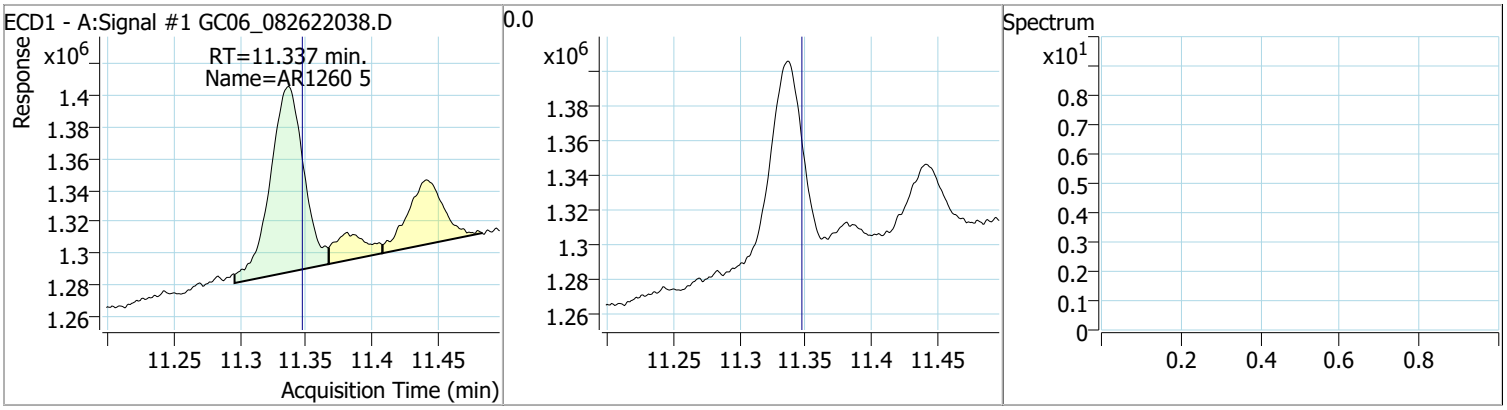
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	33.0428	10.52	-0.10	123076				



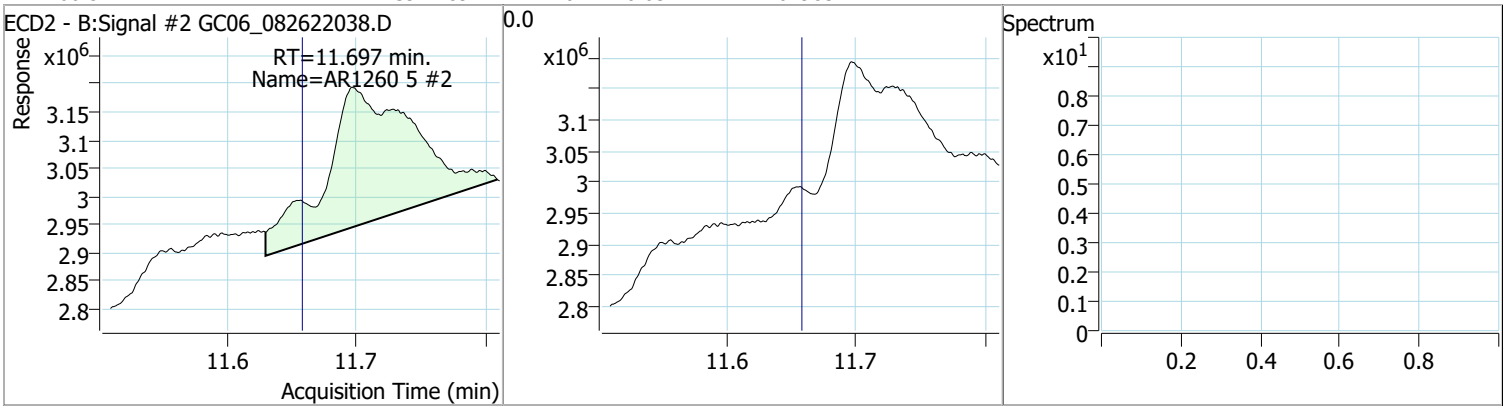
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.5932	10.98	0.01	11943				



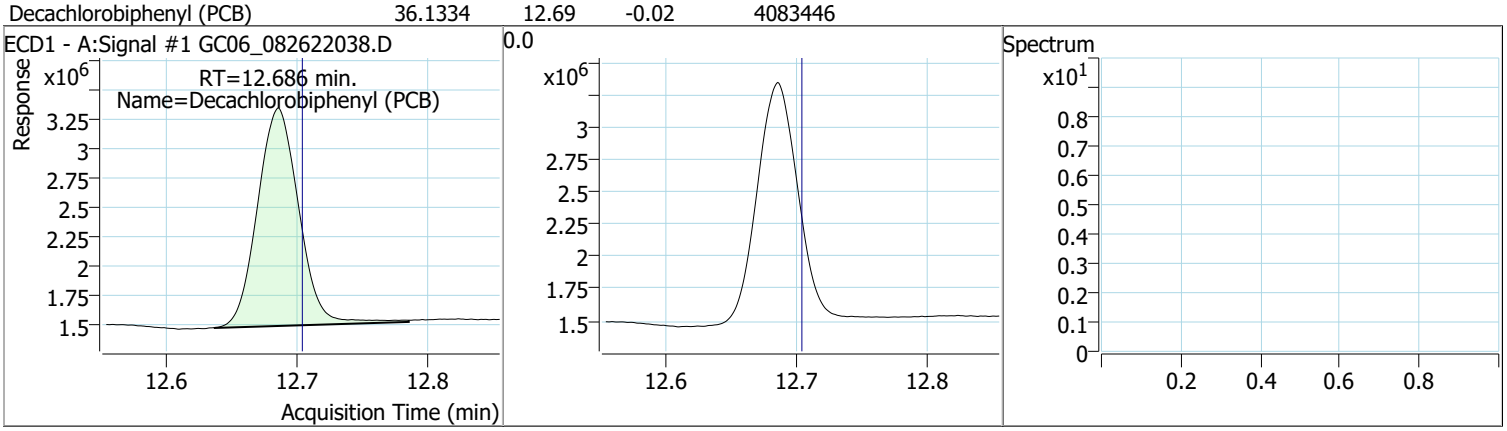
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	42.6572	11.34	-0.01	210291				



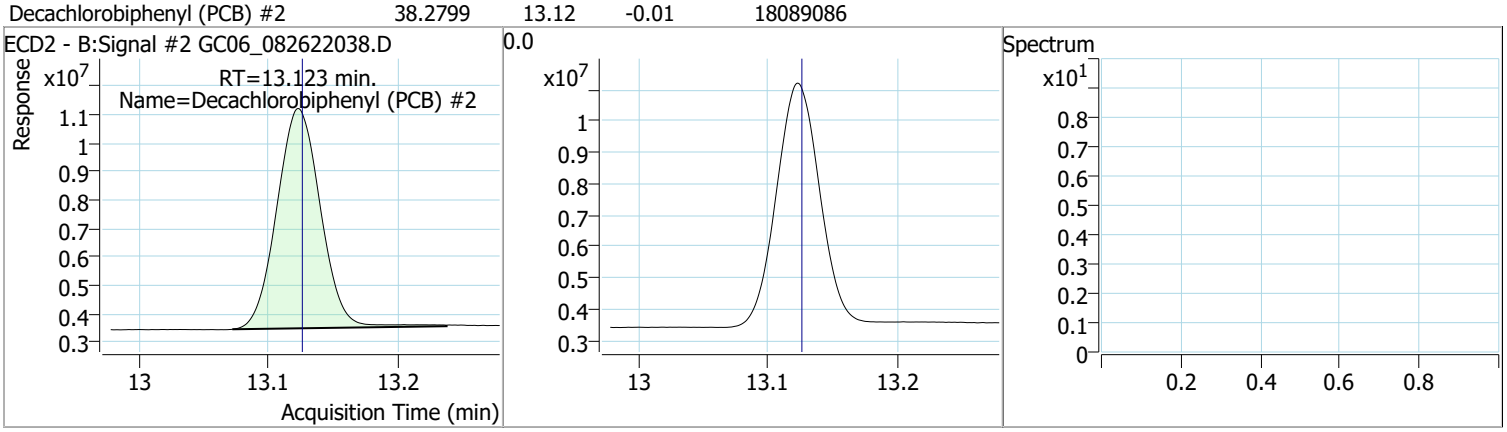
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	39.1789	11.70	0.03	1162983				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	36.1334	12.69	-0.02	4083446				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	38.2799	13.12	-0.01	18089086				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467872-012	Client ID:	DOOR-N-0.2GE-DG-3 TO 16-220823-P-LA
Seqnum:	452343556039	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622039	Batch:	295631	Time:	27-AUG-2022 00:50
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	39.97	ND	0.54	39%	1.0		u
Aroclor-1016 Peak # 1	A	9.397	0.19	1.16	144%			
Aroclor-1016 Peak # 2	A	8.603	0.17	0.14	18%			
Aroclor-1016 Peak # 3	A	4.849	0.10	1.17	169%			
Aroclor-1016 Peak # 4	A	63.30	1.27	0.19	147%			
Aroclor-1016 Peak # 5	A	113.7	2.27	0.03	195%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	24.13	ND	0.13	113%	1.0		u
Aroclor-1260 Peak # 1	A	24.72	0.49	0.07	152%			
Aroclor-1260 Peak # 2	A	2.068	0.04	0.18	124%			
Aroclor-1260 Peak # 3	A	1.899	0.04	0.15	119%			
Aroclor-1260 Peak # 4	A	26.09	0.52	0.06	161%			
Aroclor-1260 Peak # 5	A	65.87	1.32	0.22	143%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	37.71	1.000	0.7543	75	52-186	c+ u
Decachlorobiphenyl (PCB)	A	31.00	1.000	0.6200	62	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	6840643	-16.77
1-bromo-2-nitrobenzene (PCB)	A	1919479	1340797	-30.15

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

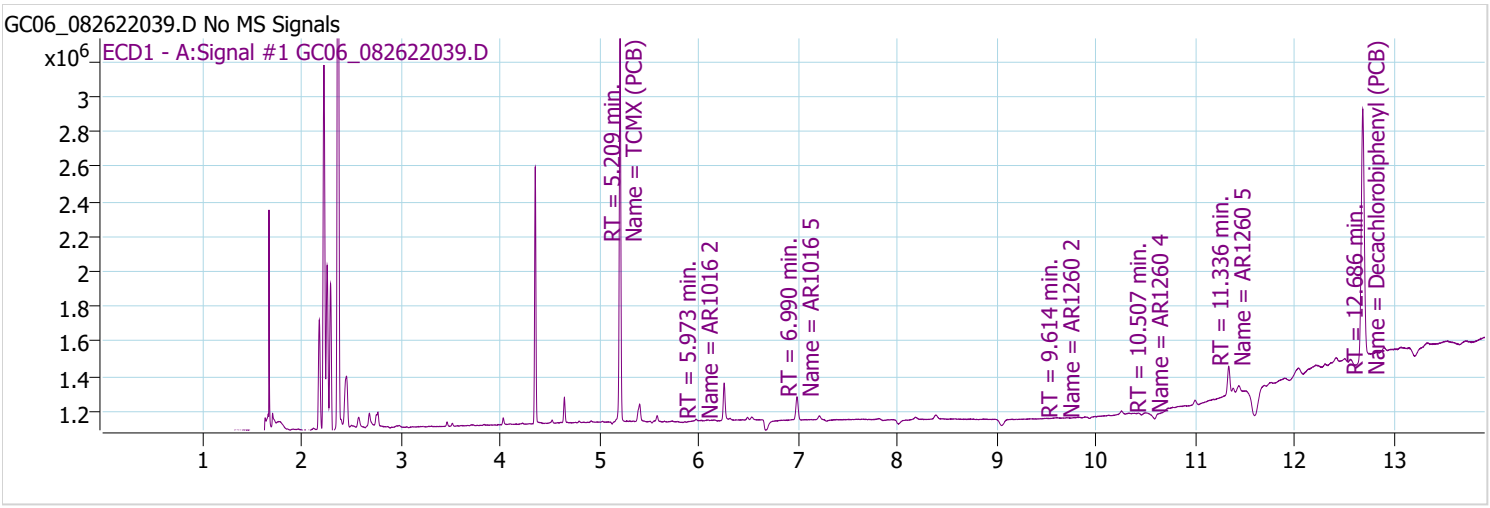
ISTD (CCV gc06_082622002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.12	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

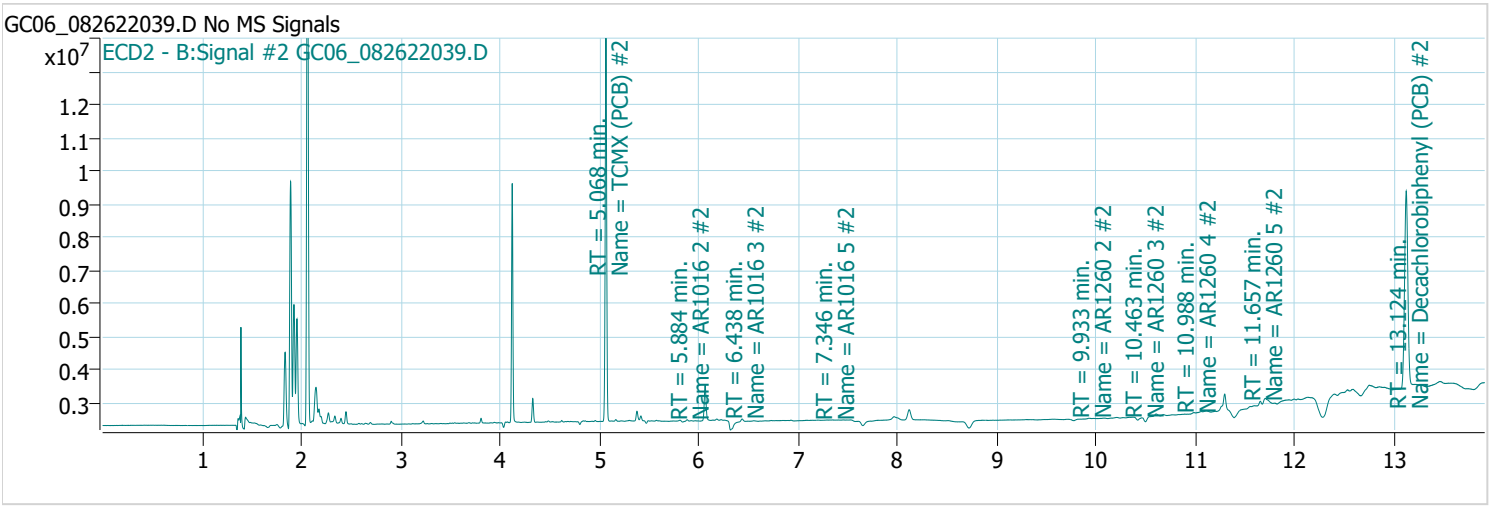
Analyst: TRN 08/29/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622039.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/27/2022 12:50:27 AM
Sample Name	467872-012, 295631, 1	Instrument	SVOA-GC06
Vial	29	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



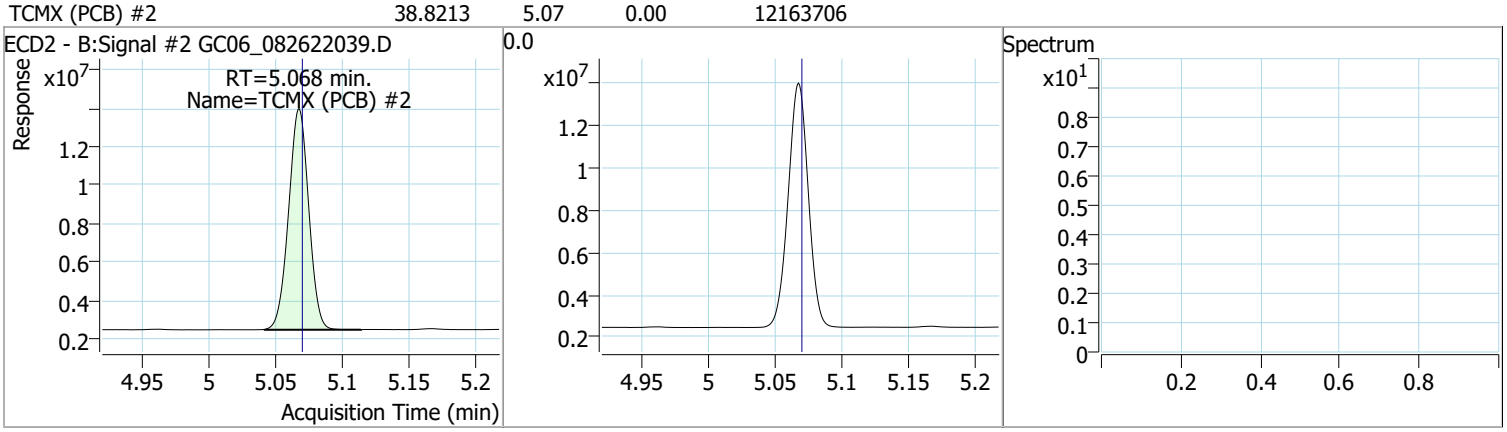


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.124	0.0	6840642.507	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB)	4.356	0.0	1340797.218	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB) #2	5.068	0.0	12163705.514	38.8213	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.11%		*	
S TCMX (PCB)	5.209	0.0	2431726.260	37.7054	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.53%		*	
S Decachlorobiphenyl (PCB)	12.686	0.0	3159661.312	30.9933	ng/ml		-0.020
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 154.97%		*	
S Decachlorobiphenyl (PCB) #2	13.124	0.0	13676179.867	33.1320	ng/ml		-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 165.66%		*	
Target Compounds							QValue

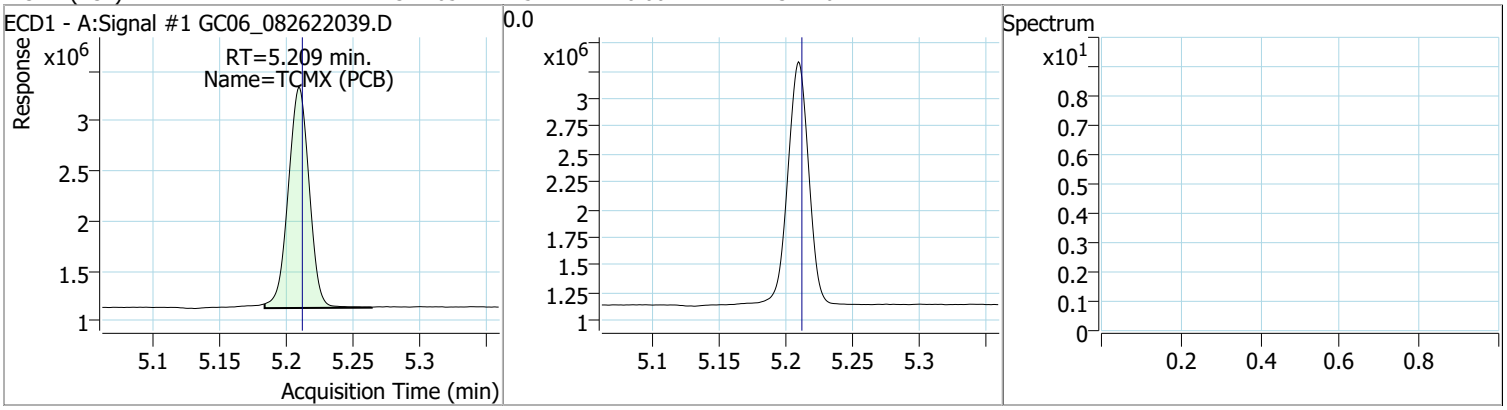
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.575	0.0	369891.620	57.7410	ng/ml	100
T AR1016 1	5.555	0.0	12321.583	9.3948	ng/ml	100
T AR1016 2 #2	5.884	0.0	95165.973	7.1585	ng/ml	100
T AR1016 2	5.973	0.0	24563.216	8.6015	ng/ml	100
T AR1016 3 #2	6.438	0.0	1025893.771	58.5144	ng/ml	100
T AR1016 3	6.492	0.0	16292.888	4.8478	ng/ml	100
T AR1016 4	6.532	0.0	159156.195	63.2809	ng/ml	100
T AR1016 4 #2	6.553	0.0	115431.922	9.7046	ng/ml	100
T AR1016 5	6.990	0.0	221119.174	113.6554	ng/ml	100
T AR1016 5 #2	7.346	0.0	13645.432	1.4673	ng/ml	100
T AR1260 1	9.159	0.0	104267.675	24.7107	ng/ml	100
T AR1260 1 #2	9.578	0.0	69567.946	3.3601	ng/ml	100
T AR1260 2	9.614	0.0	13434.284	2.0671	ng/ml	100
T AR1260 2 #2	9.933	0.0	211107.171	8.8246	ng/ml	100
T AR1260 3	10.040	0.0	12829.441	1.8989	ng/ml	100
T AR1260 3 #2	10.463	0.0	244810.043	7.5322	ng/ml	100
T AR1260 4	10.507	0.0	87647.816	26.0850	ng/ml	100
T AR1260 4 #2	10.988	0.0	49687.735	2.8252	ng/ml	100
T AR1260 5	11.336	0.0	292859.978	65.8530	ng/ml	100
T AR1260 5 #2	11.657	0.0	286283.908	11.0409	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

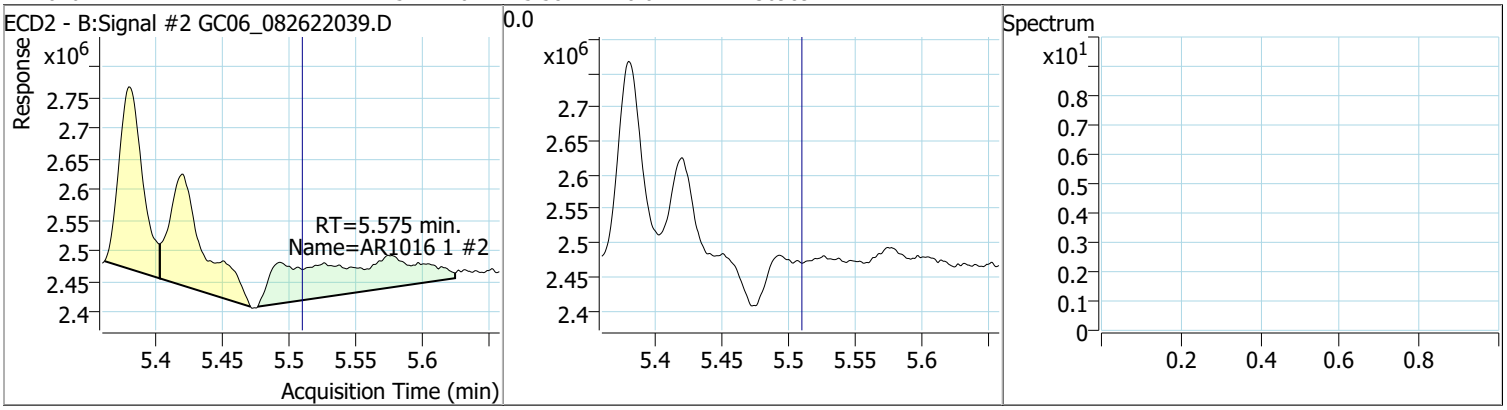
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	38.8213	5.07	0.00	12163706				



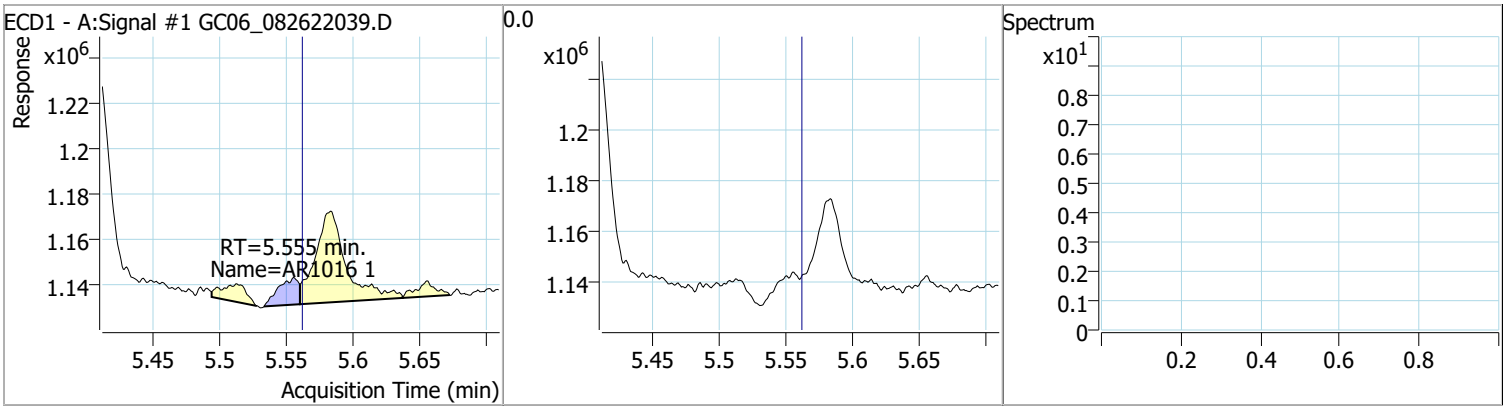
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.7054	5.21	0.00	2431726				



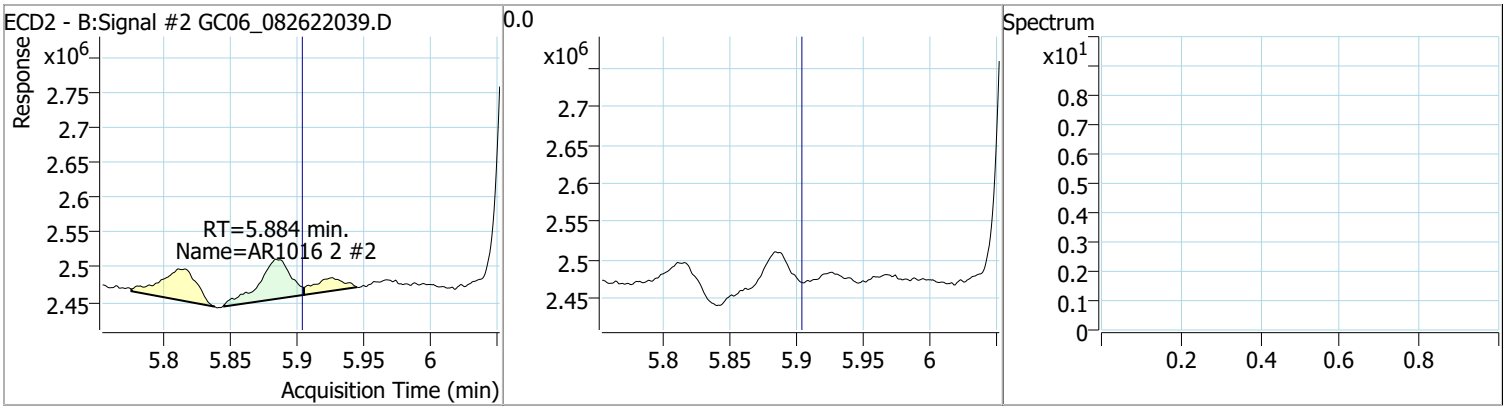
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	57.7410	5.58	0.07	369892				



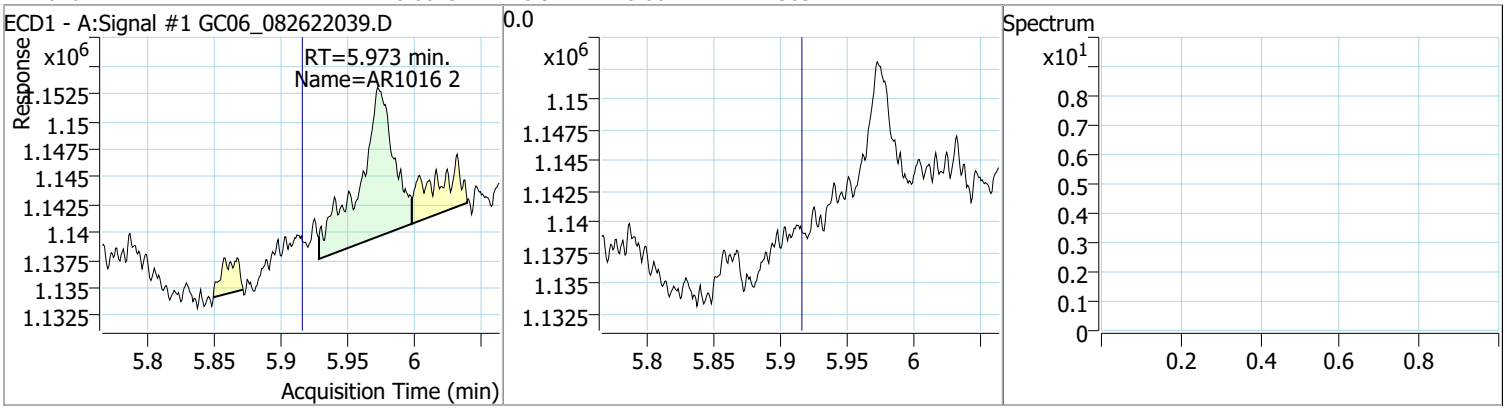
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	9.3948	5.56	-0.01	12322				



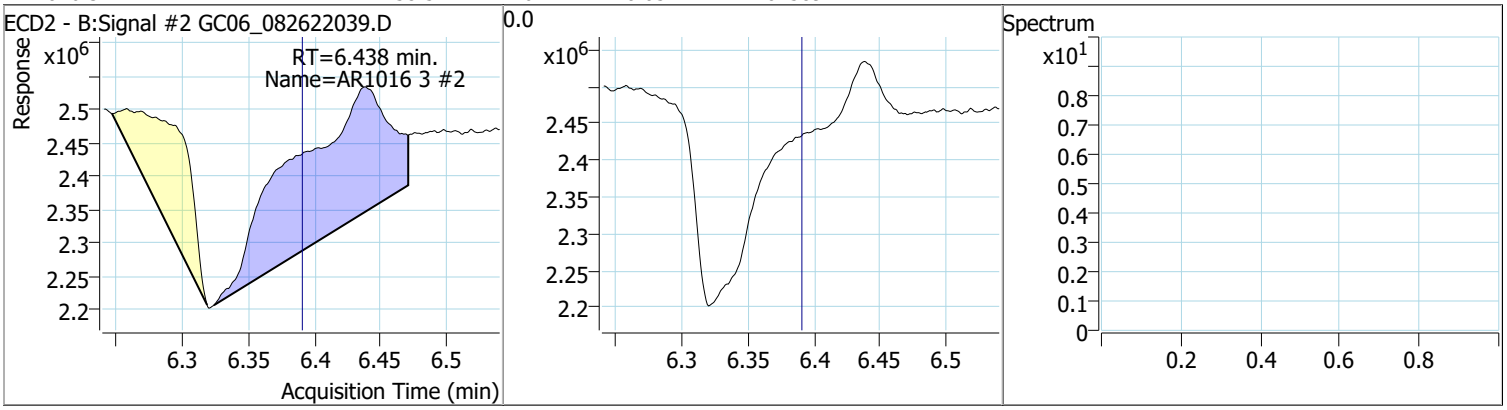
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	7.1585	5.88	-0.02	95166				



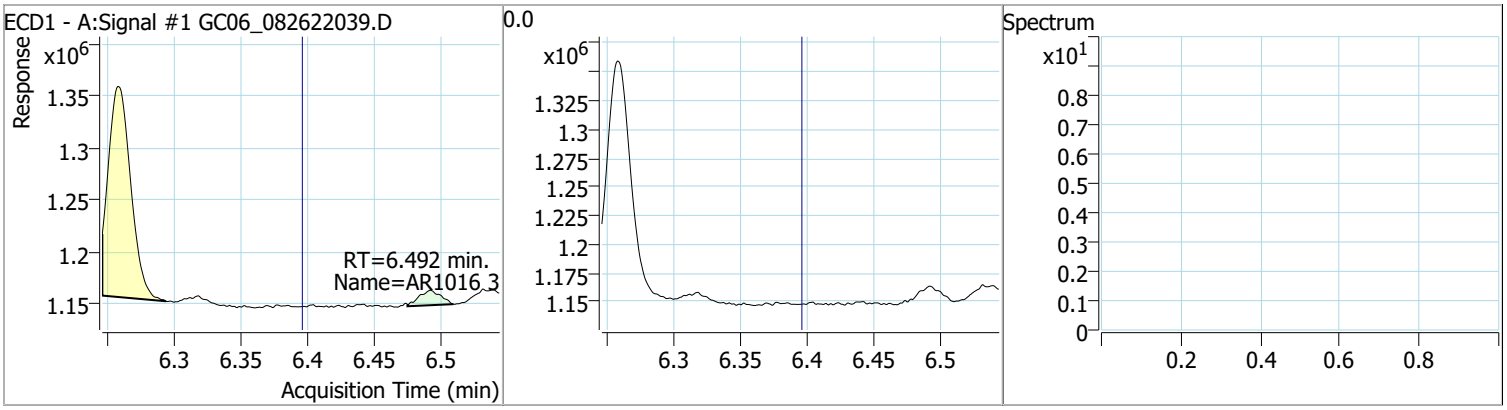
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	8.6015	5.97	0.06	24563				



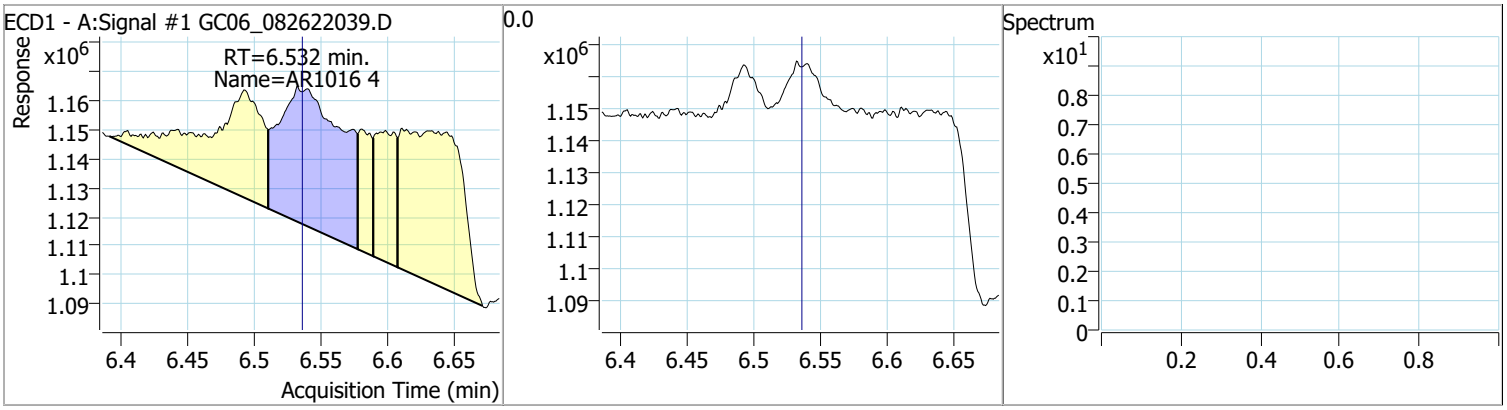
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	58.5144	6.44	0.05	1025894				



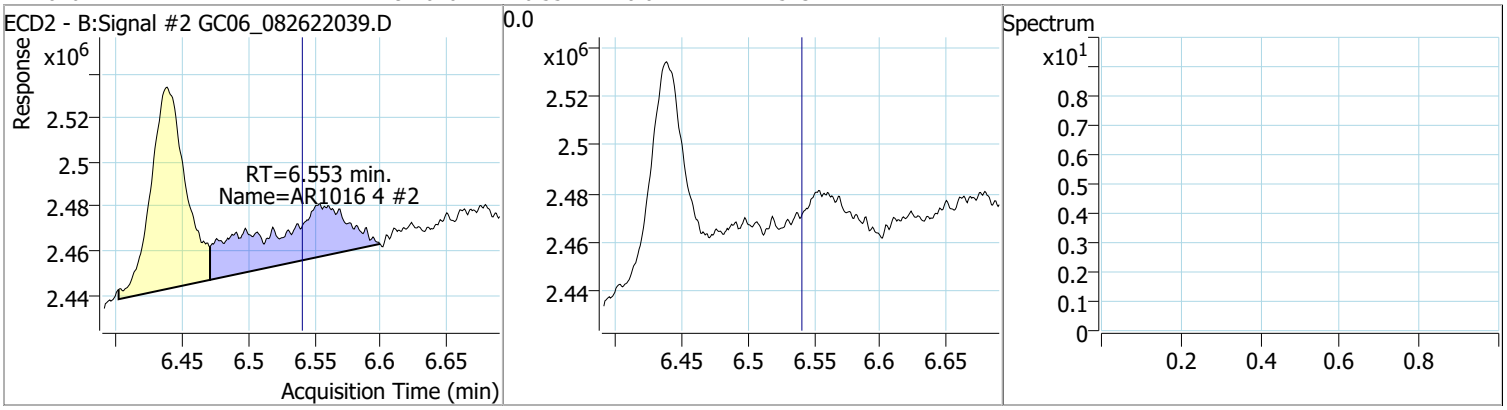
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	4.8478	6.49	0.10	16293				



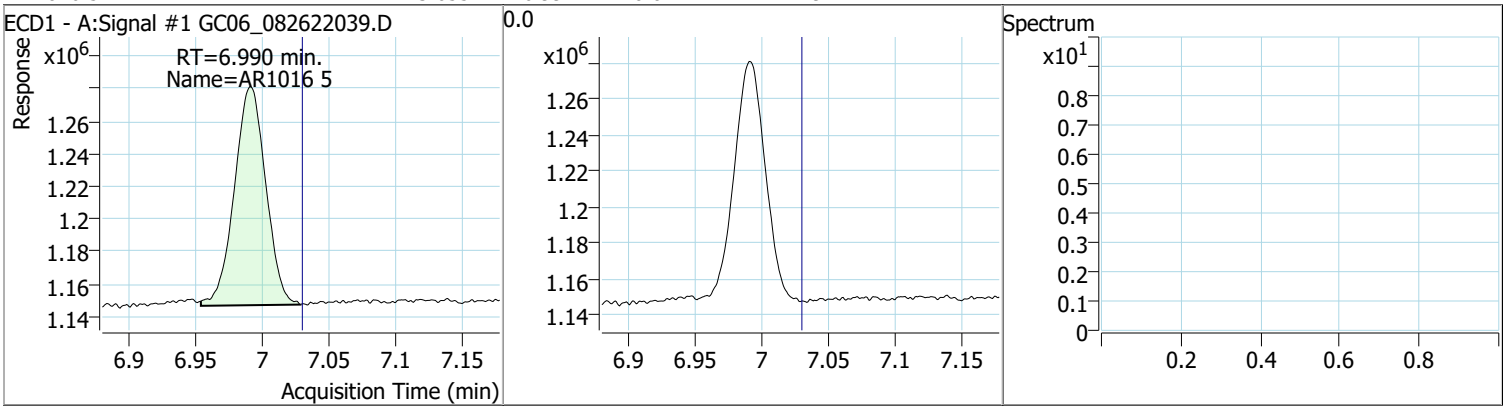
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	63.2809	6.53	0.00	159156				



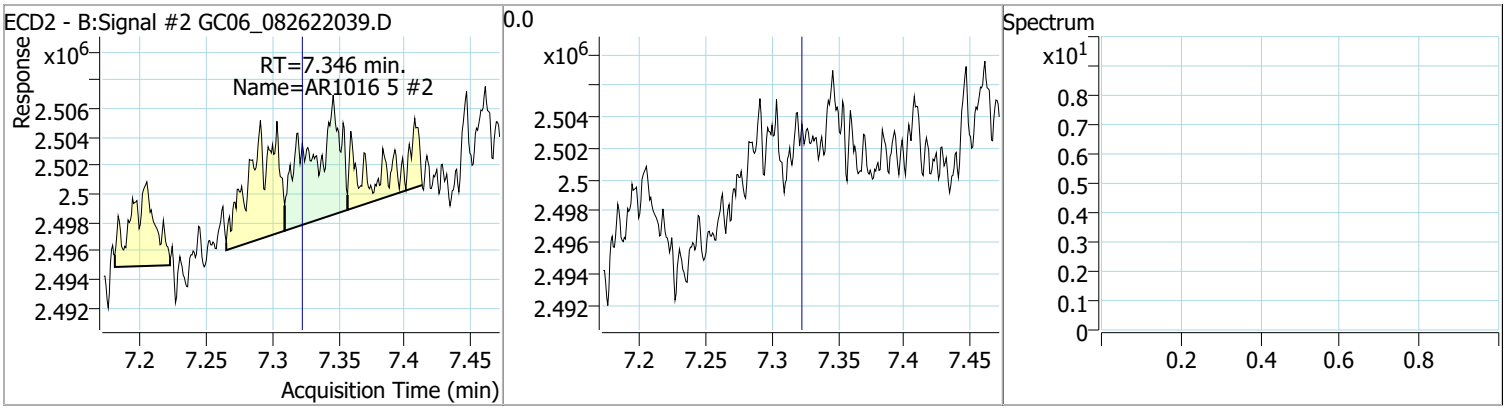
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	9.7046	6.55	0.01	115432				



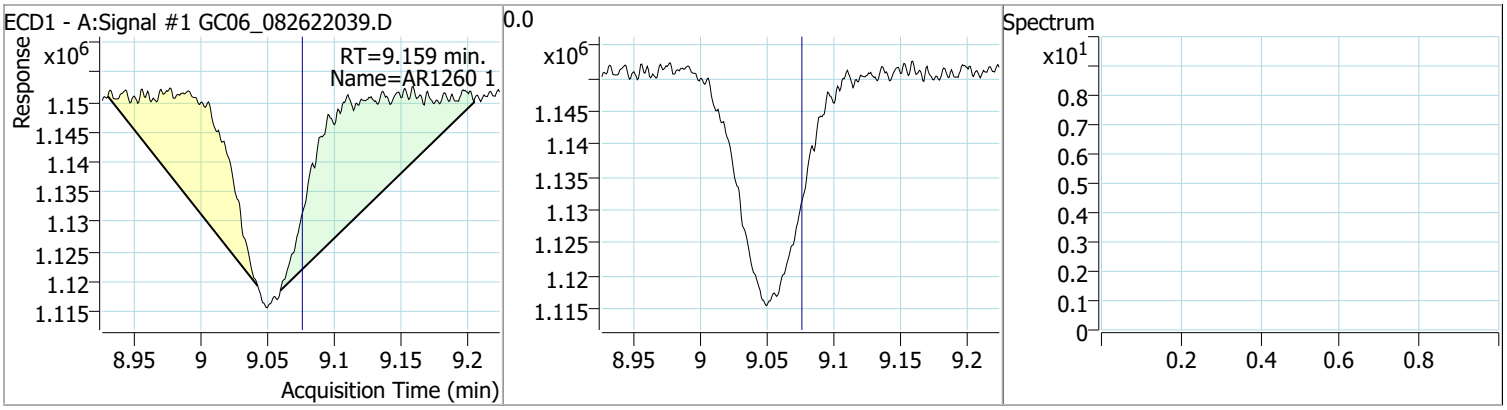
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	113.6554	6.99	-0.04	221119				



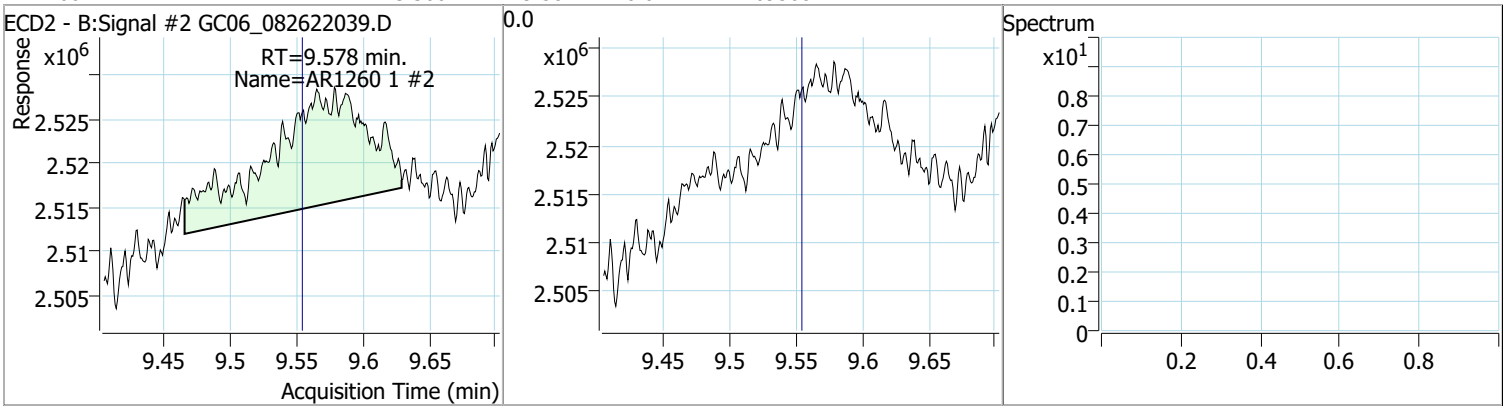
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.4673	7.35	0.02	13645				



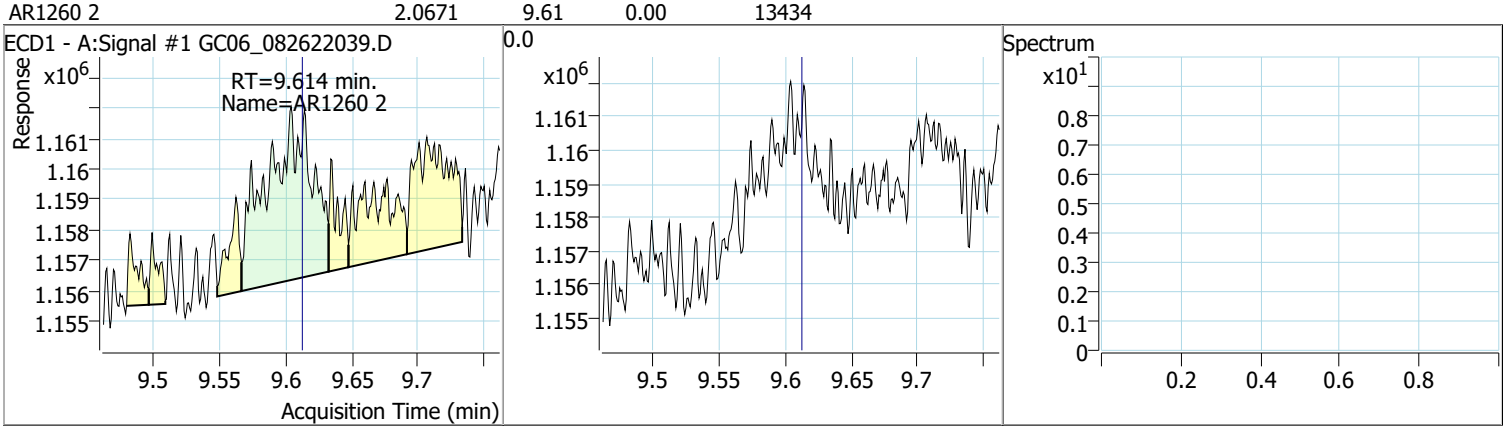
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	24.7107	9.16	0.08	104268				



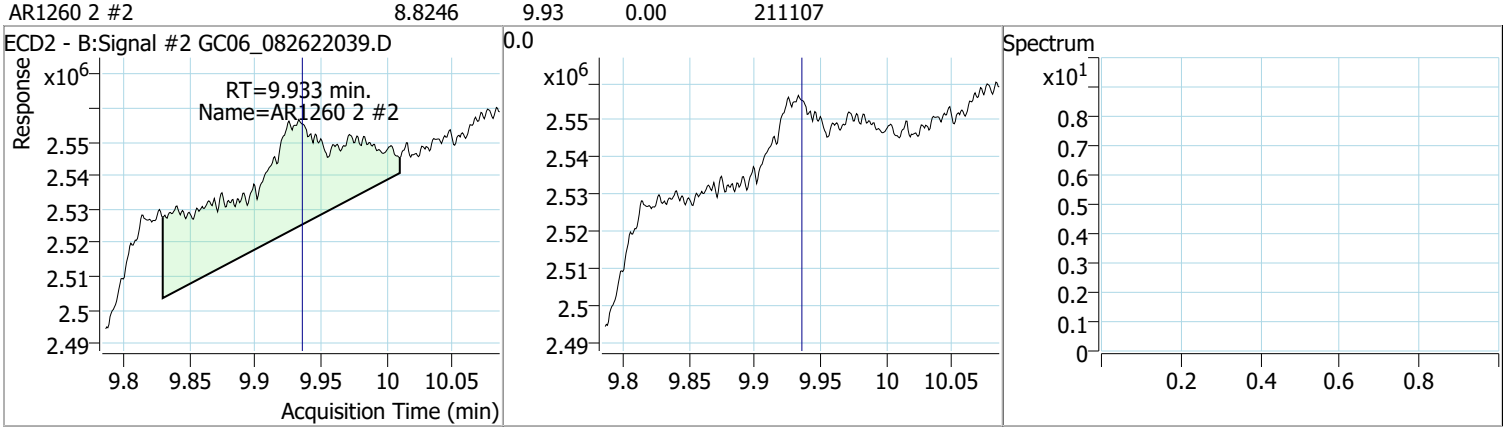
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	3.3601	9.58	0.02	69568				



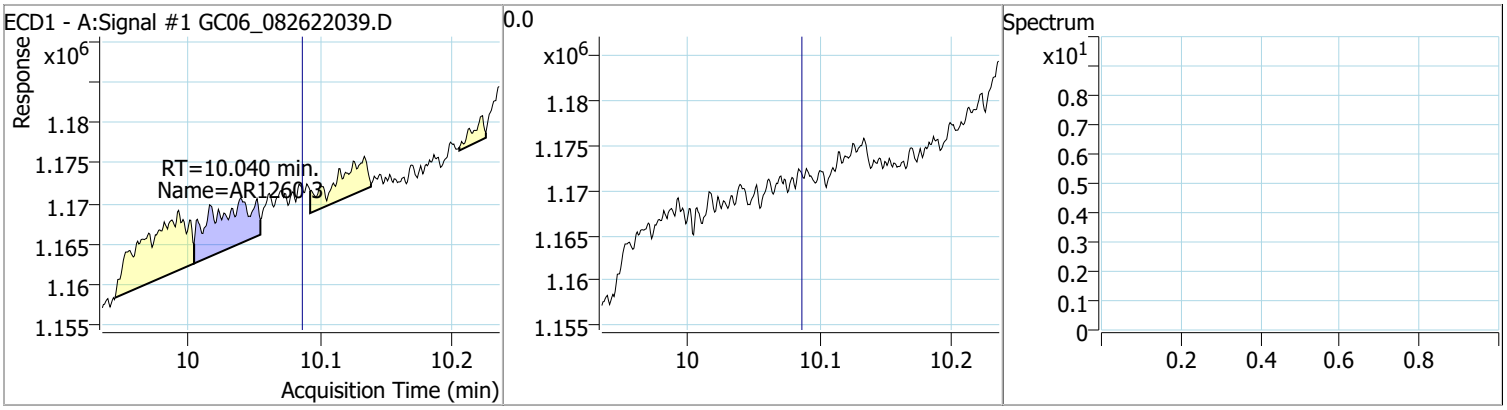
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.0671	9.61	0.00	13434				



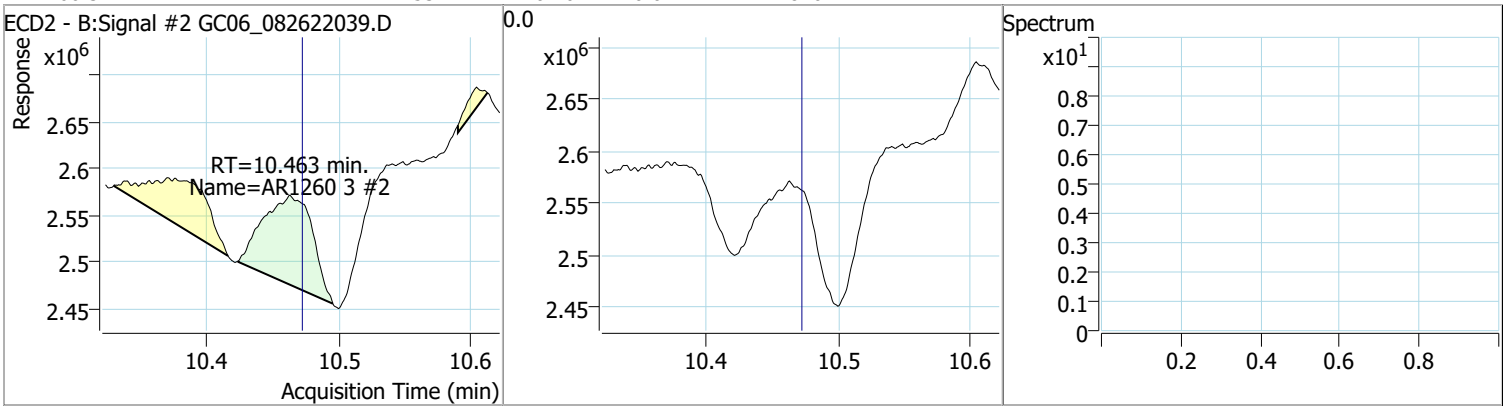
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	8.8246	9.93	0.00	211107				



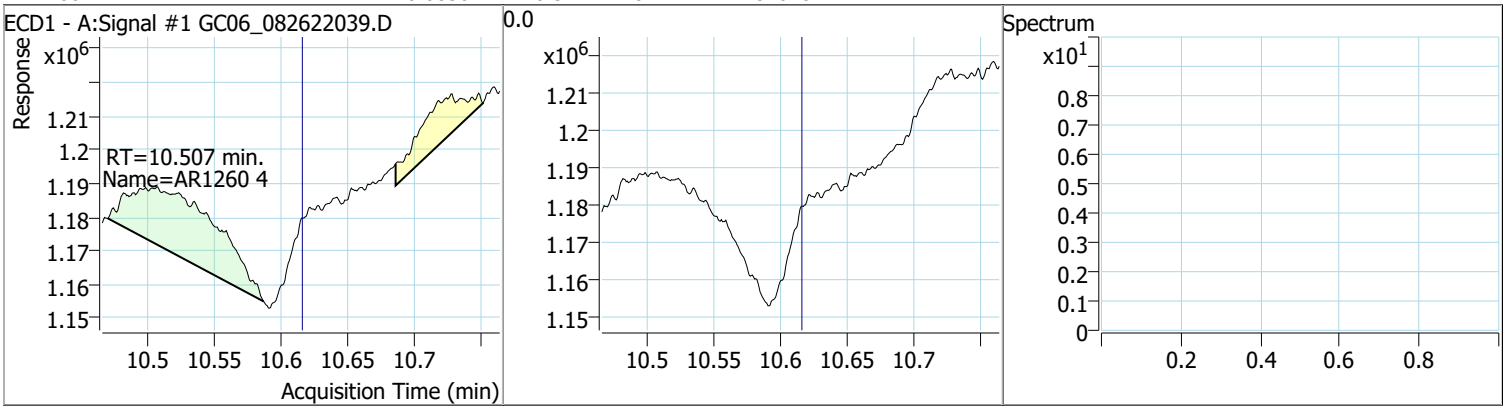
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1.8989	10.04	-0.05	12829				



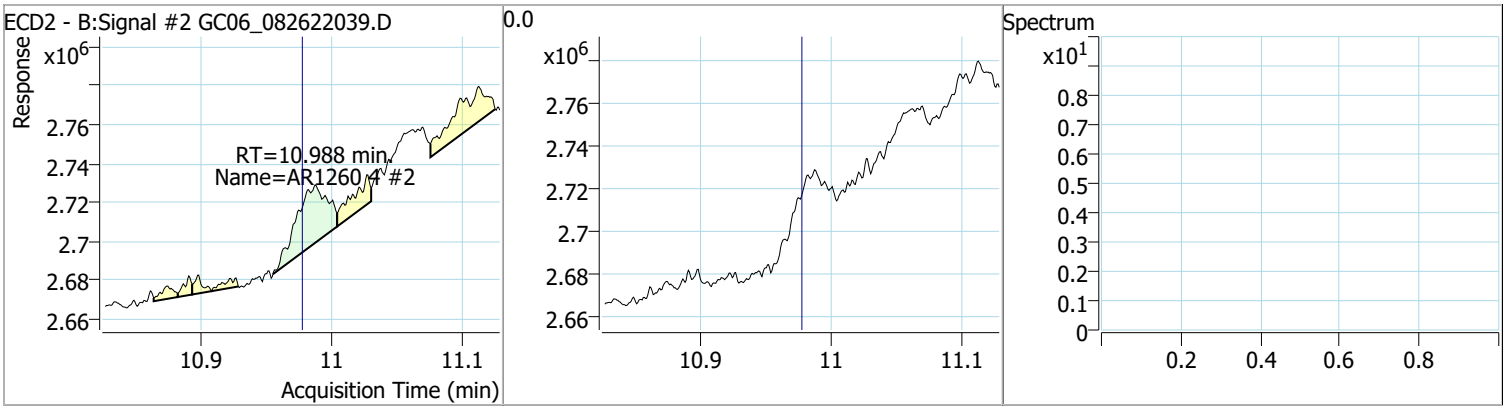
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.5322	10.46	-0.01	244810				



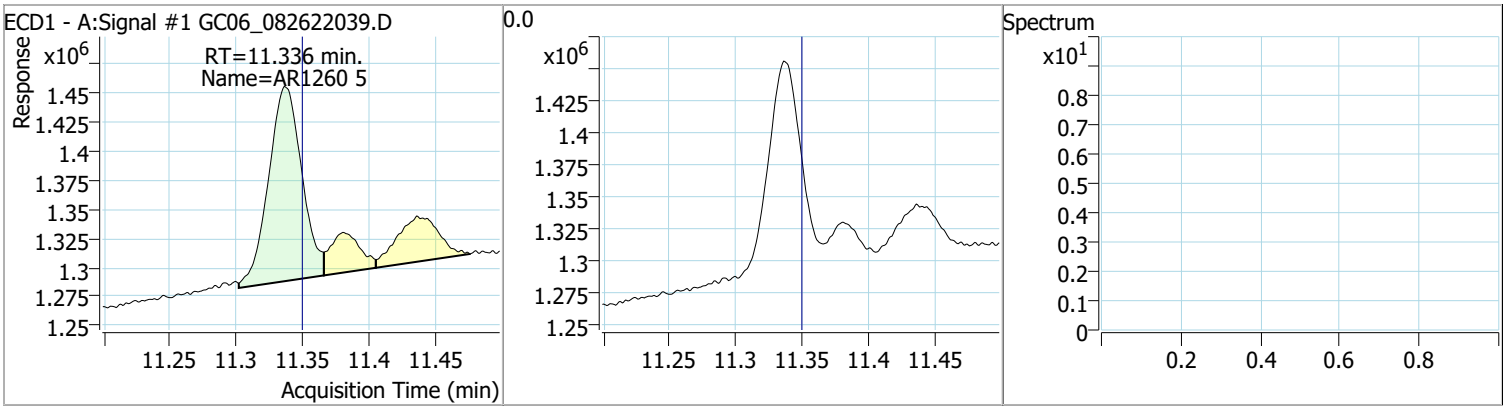
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	26.0850	10.51	-0.11	87648				



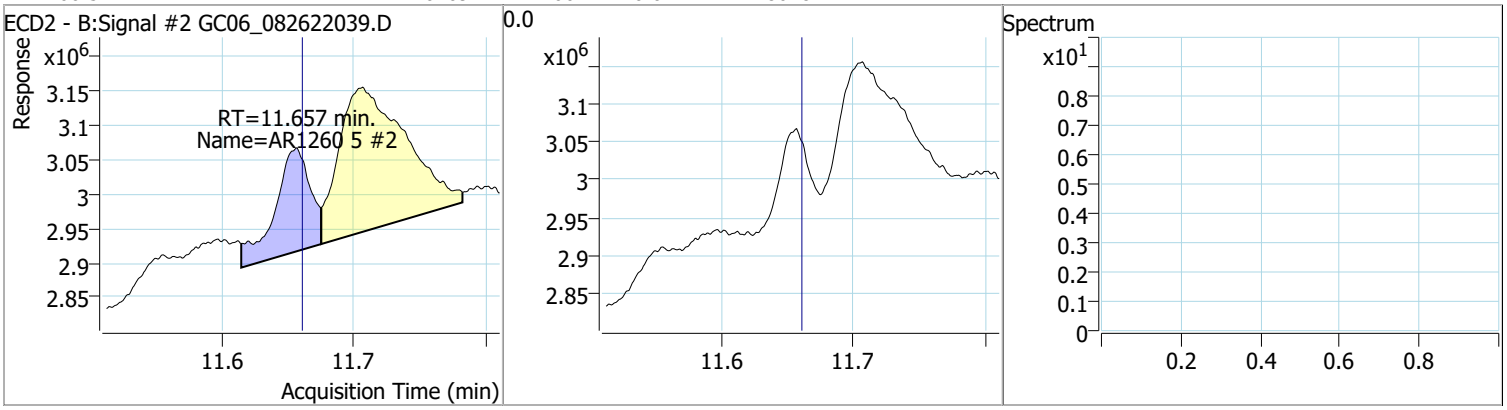
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	2.8252	10.99	0.01	49688				



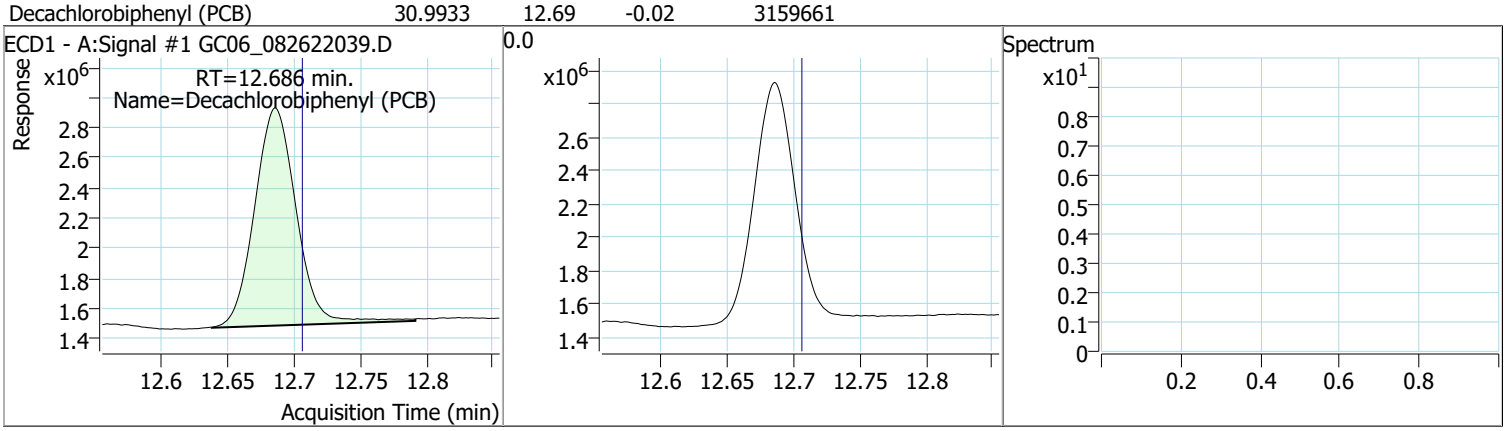
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	65.8530	11.34	-0.01	292860				



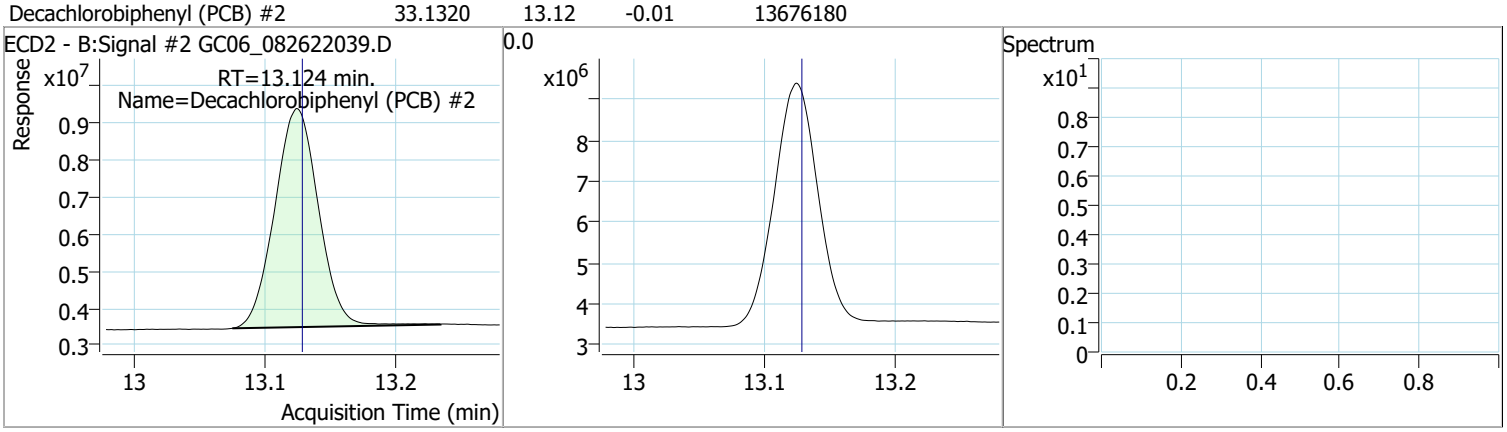
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	11.0409	11.66	-0.01	286284				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	30.9933	12.69	-0.02	3159661				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	33.1320	13.12	-0.01	13676180				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467872-014	Client ID:	DOOR-N-0.2GE-INT-1 TO 16-220823-P-CB
Seqnum:	452343556040	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622040	Batch:	295631	Time:	27-AUG-2022 01:07
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	58.28	~~1.2~~ ~~FP~~	0.30	117%	1.0		x u
Aroclor-1016 Peak # 1	A	2.903	0.06	1.04	179%			
Aroclor-1016 Peak # 2	A	2.360	0.05	0.16	110%			
Aroclor-1016 Peak # 3	A	5.939	0.12	0.09	23%			
Aroclor-1016 Peak # 4	A	155.5	3.11	0.21	174%			
Aroclor-1016 Peak # 5	A	124.7	2.49	0.00	199%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	19.84	ND	0.30	26%	1.0		u
Aroclor-1260 Peak # 1	A	34.66	0.69	0.10	149%			
Aroclor-1260 Peak # 2	A	3.049	0.06	0.33	138%			
Aroclor-1260 Peak # 3	A	2.852	0.06	0.18	102%			
Aroclor-1260 Peak # 4	A	32.78	0.66	0.04	175%			
Aroclor-1260 Peak # 5	A	25.85	0.52	0.87	51%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	41.98	1.000	0.8396	84	52-186	c+ u
Decachlorobiphenyl (PCB)	A	32.72	1.000	0.6544	65	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	7589971	-7.65
1-bromo-2-nitrobenzene (PCB)	A	1919479	1402635	-26.93

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

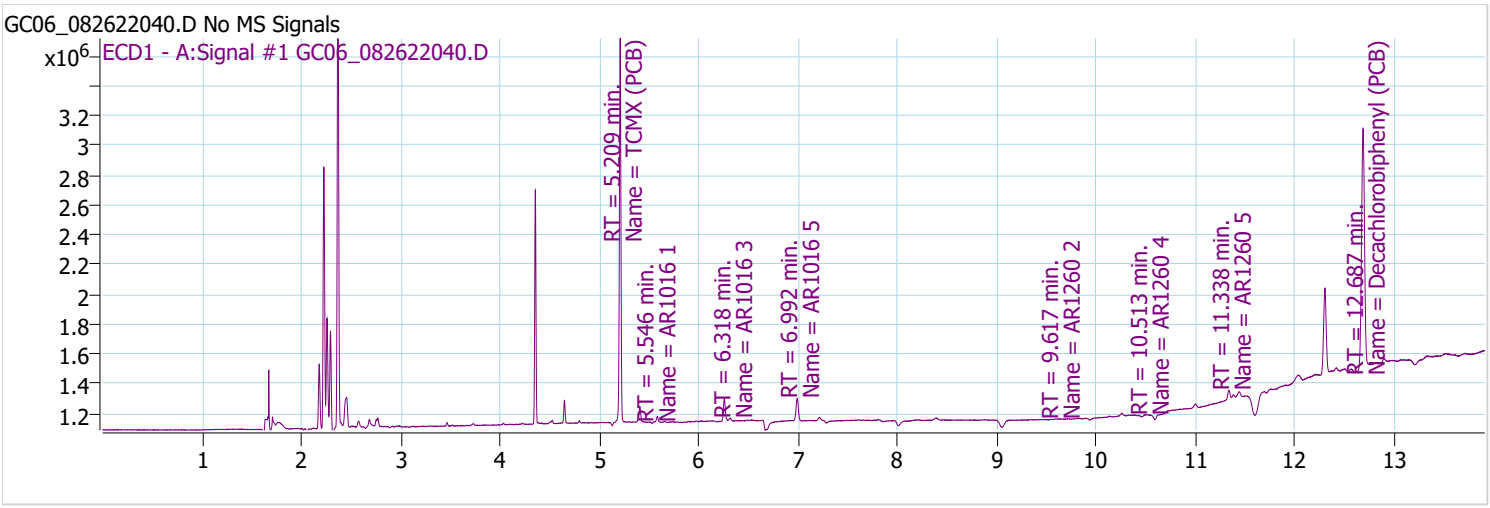
ISTD (CCV gc06_082622002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.12	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

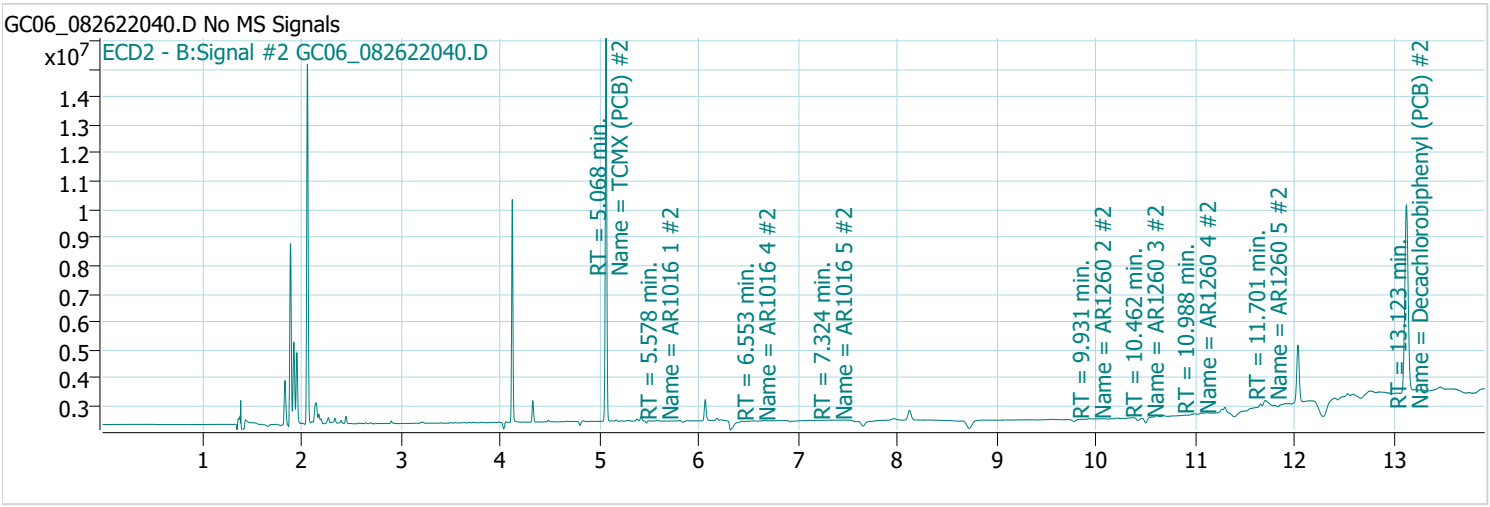
Analyst: TRN 08/29/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622040.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/27/2022 1:07:57 AM
Sample Name	467872-014, 295631, 1	Instrument	SVOA-GC06
Vial	30	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



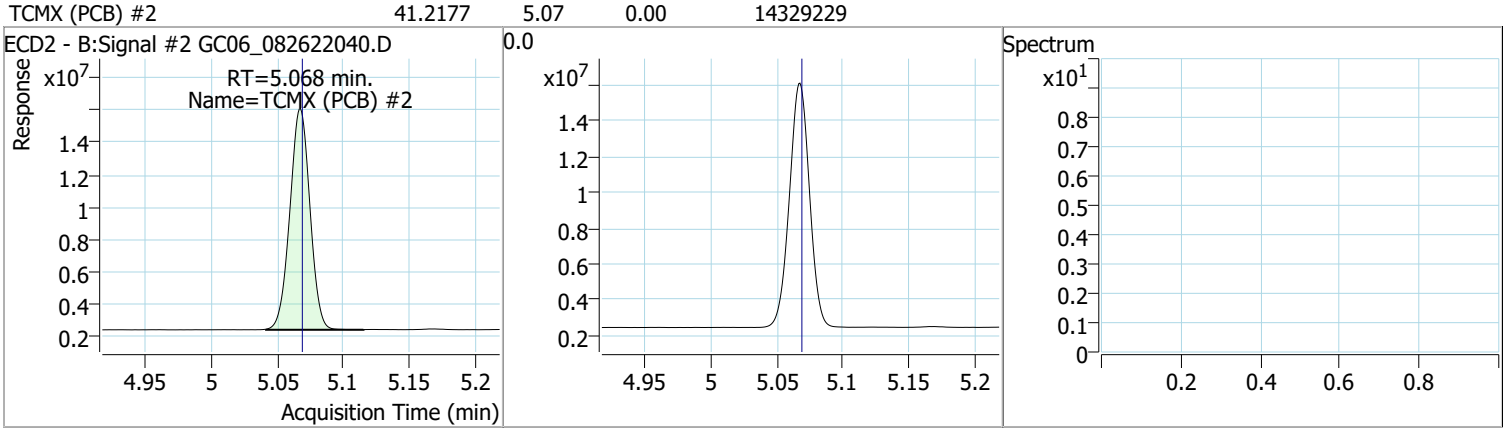


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	7589971.231	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB)	4.356	0.0	1402634.582	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB) #2	5.068	0.0	14329229.109	41.2177	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 206.09%		*	
S TCMX (PCB)	5.209	0.0	2831539.906	41.9691	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 209.85%		*	
S Decachlorobiphenyl (PCB)	12.687	0.0	3488577.967	32.7110	ng/ml		-0.019
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 163.56%		*	
S Decachlorobiphenyl (PCB) #2	13.123	0.0	15756115.747	34.4024	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 172.01%		*	
Target Compounds							QValue

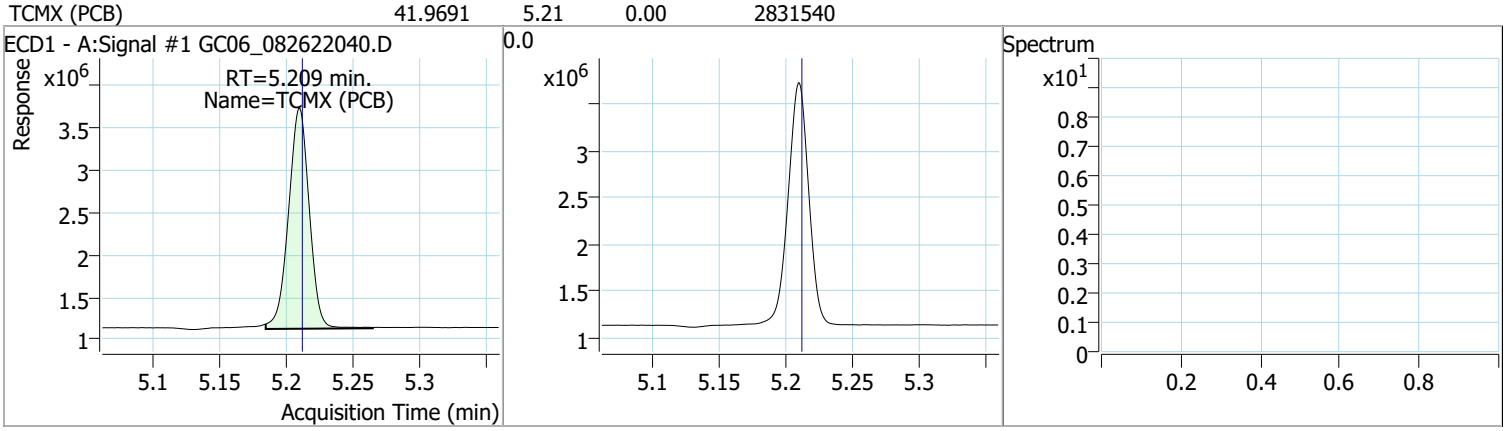
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.578	0.0	370997.182	52.1960	ng/ml	100
T AR1016 1	5.546	0.0	3982.140	2.9024	ng/ml	100
T AR1016 2 #2	5.887	0.0	119110.870	8.0751	ng/ml	100
T AR1016 2	5.894	0.0	7048.750	2.3595	ng/ml	100
T AR1016 3 #2	6.531	0.0	92120.487	4.7356	ng/ml	100
T AR1016 3	6.318	0.0	20876.550	5.9378	ng/ml	100
T AR1016 4	6.530	0.0	408991.992	155.4471	ng/ml	100
T AR1016 4 #2	6.553	0.0	139956.821	10.6048	ng/ml	100
T AR1016 5	6.992	0.0	253800.987	124.7026	ng/ml	100
T AR1016 5 #2	7.324	0.0	1710.318	0.1658	ng/ml	100
T AR1260 1	9.138	0.0	152969.213	34.6543	ng/ml	100
T AR1260 1 #2	9.562	0.0	116598.599	5.0757	ng/ml	100
T AR1260 2	9.617	0.0	20725.570	3.0484	ng/ml	100
T AR1260 2 #2	9.931	0.0	437069.273	16.4664	ng/ml	100
T AR1260 3	10.133	0.0	20152.663	2.8513	ng/ml	100
T AR1260 3 #2	10.462	0.0	315482.309	8.7483	ng/ml	100
T AR1260 4	10.513	0.0	115188.397	32.7701	ng/ml	100
T AR1260 4 #2	10.988	0.0	42048.154	2.1548	ng/ml	100
T AR1260 5	11.338	0.0	120241.749	25.8458	ng/ml	100
T AR1260 5 #2	11.701	0.0	1254798.567	43.6152	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

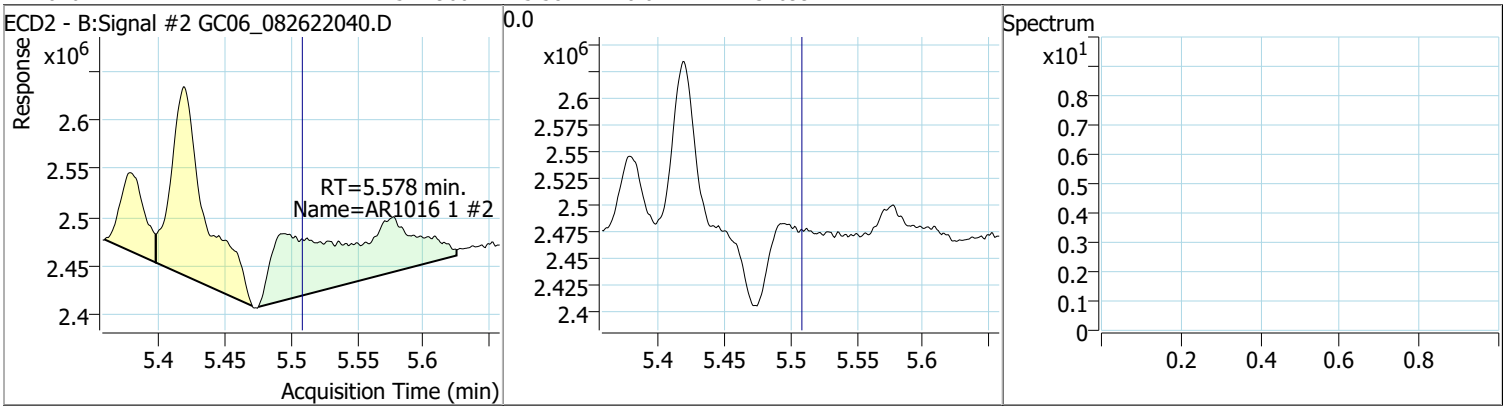
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	41.2177	5.07	0.00	14329229				



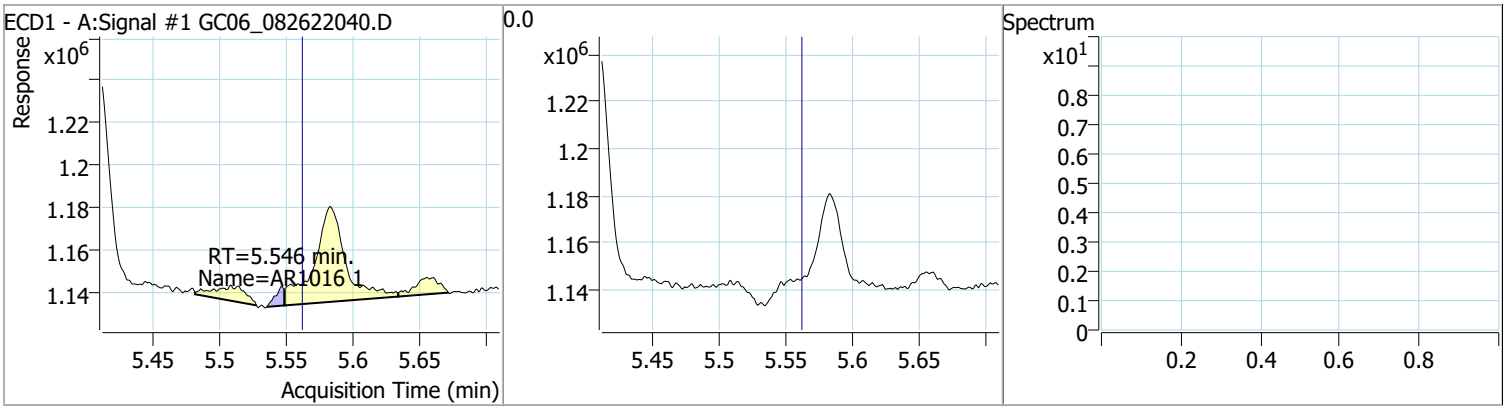
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	41.9691	5.21	0.00	2831540				



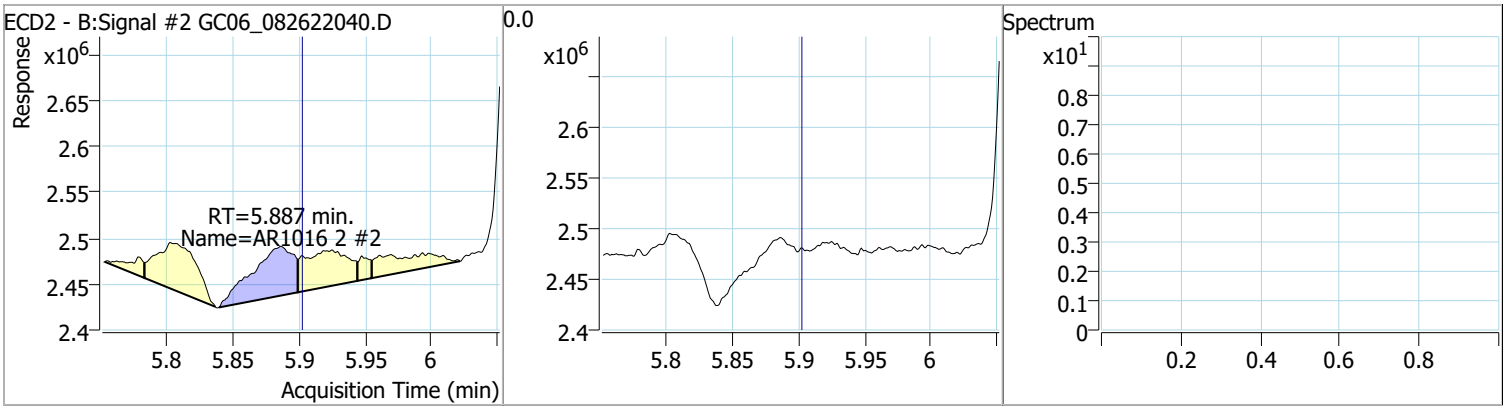
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	52.1960	5.58	0.07	370997				



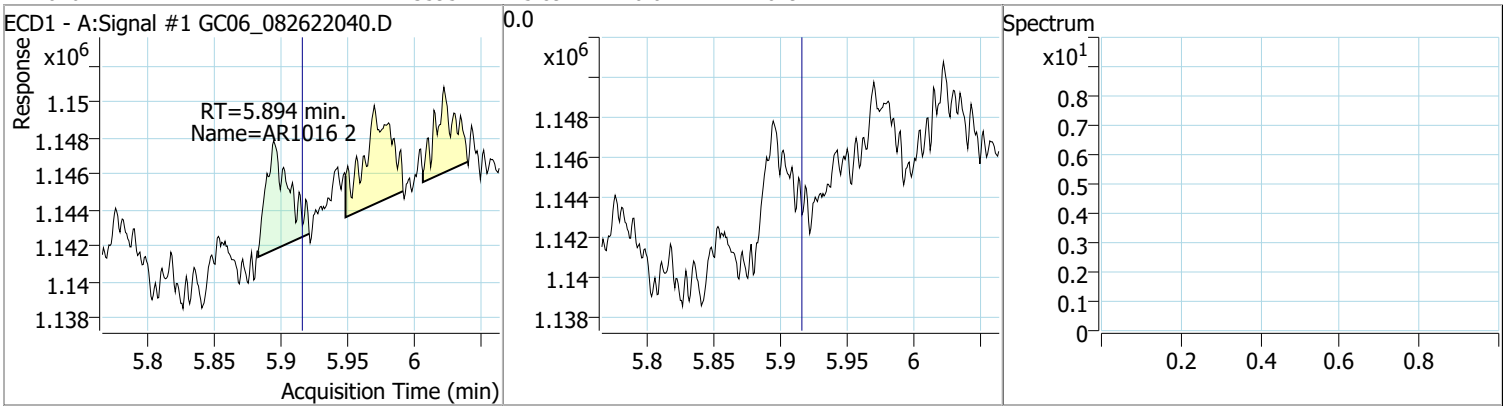
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	2.9024	5.55	-0.02	3982				



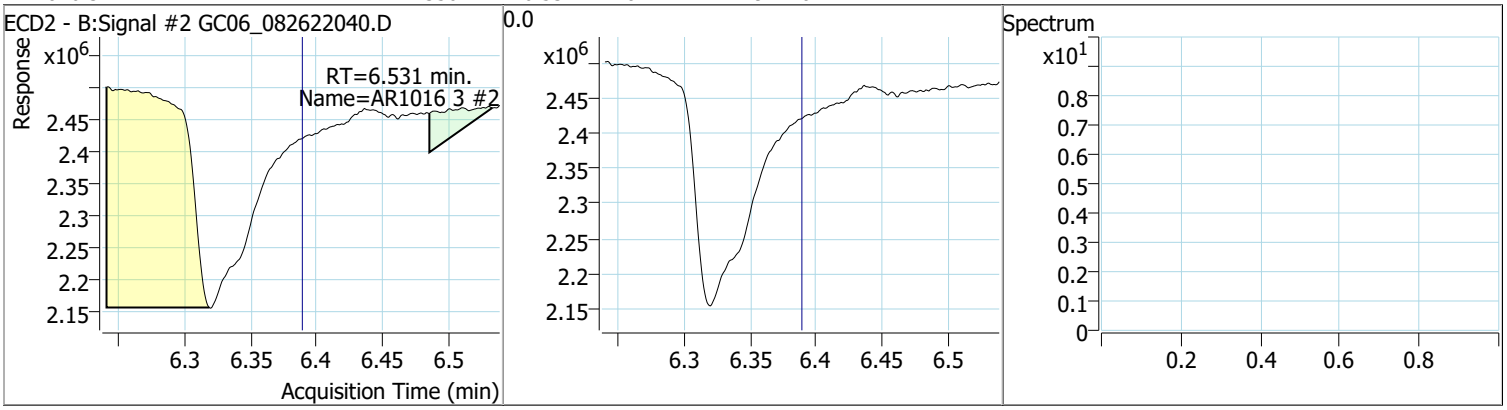
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	8.0751	5.89	-0.02	119111				



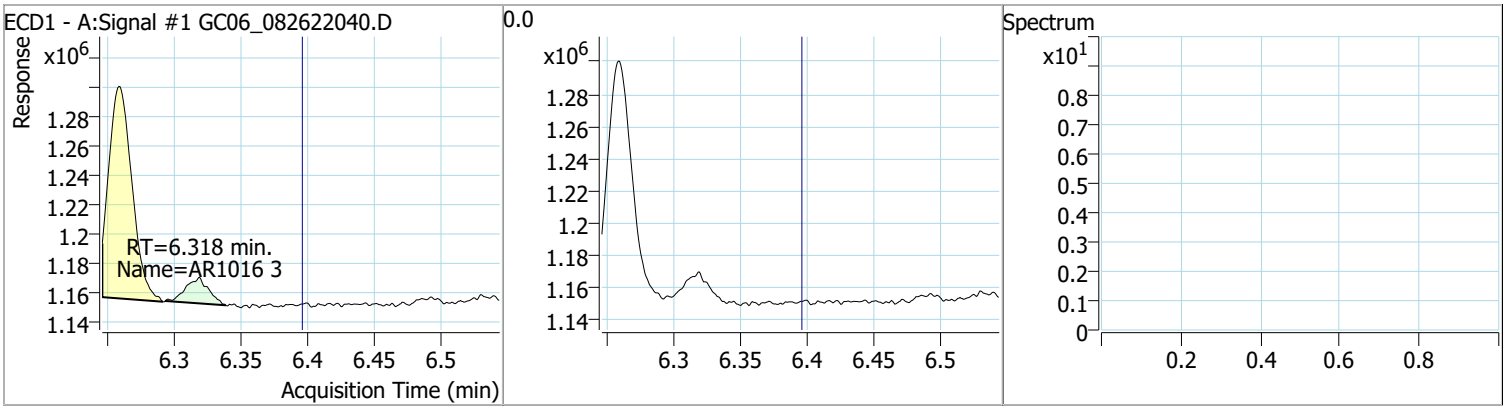
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	2.3595	5.89	-0.02	7049				



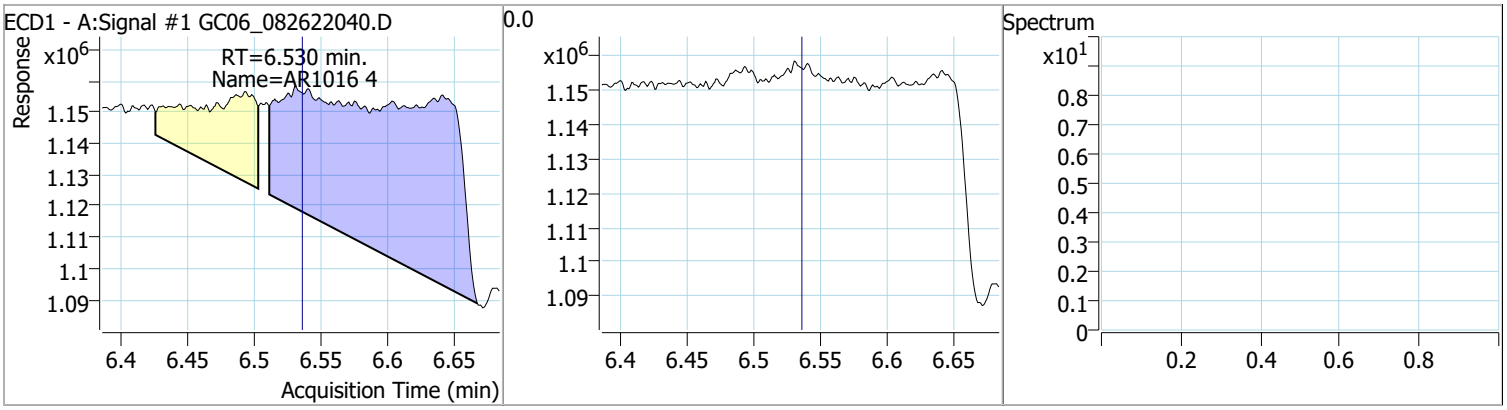
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	4.7356	6.53	0.14	92120				



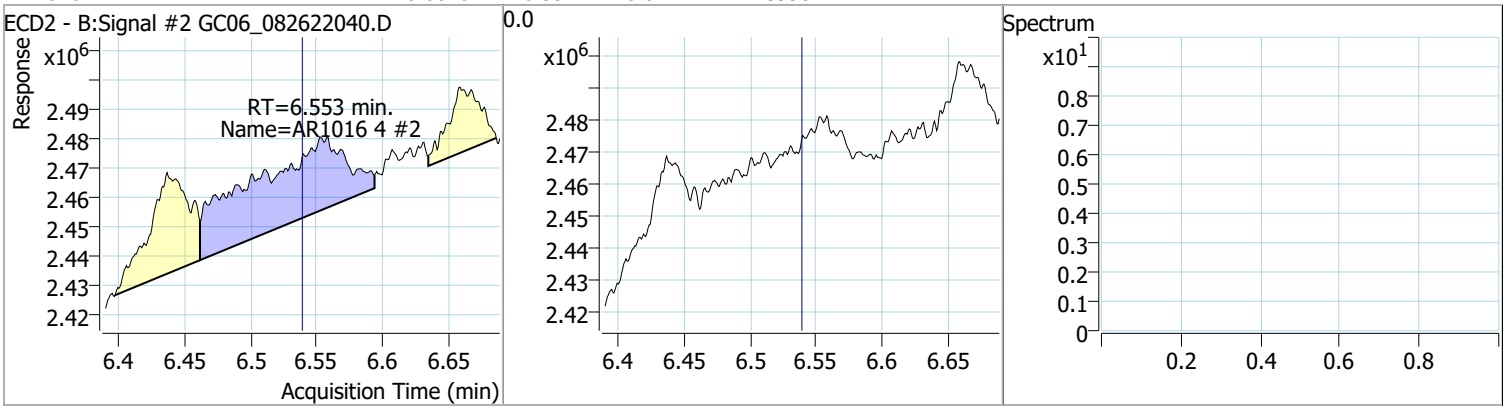
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	5.9378	6.32	-0.08	20877				



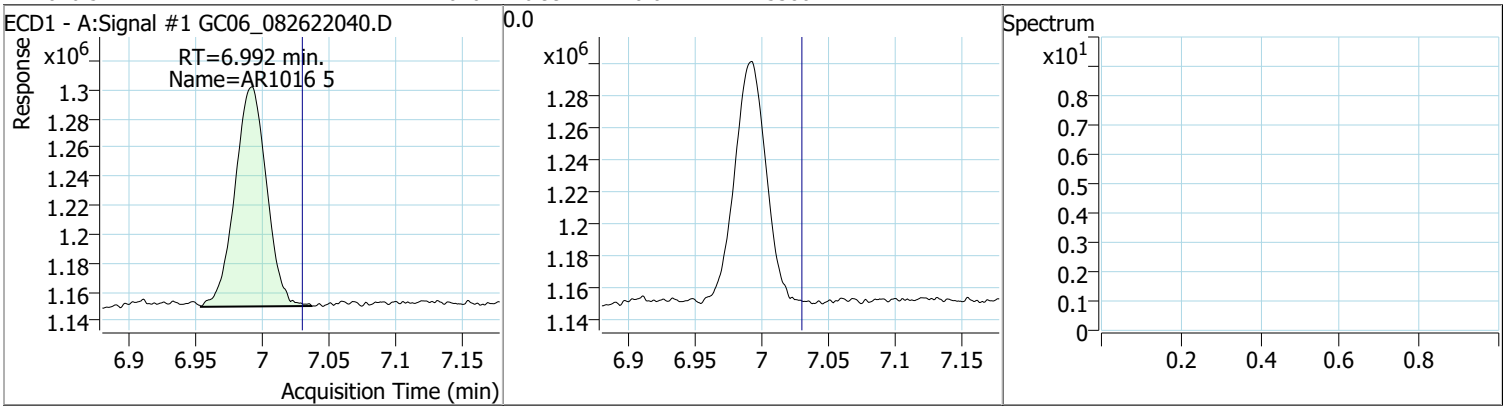
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	155.4471	6.53	0.00	408992				



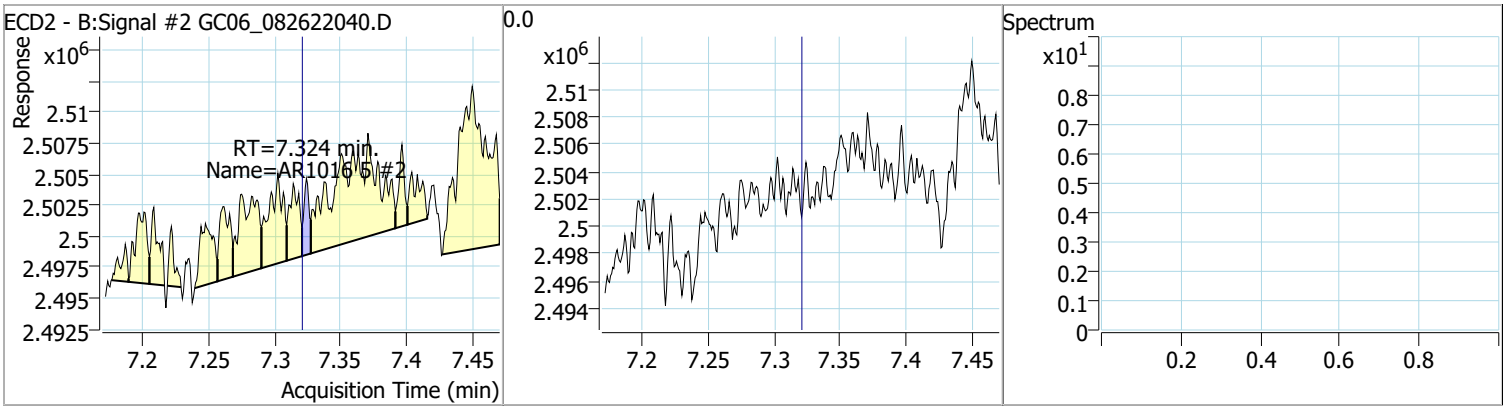
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	10.6048	6.55	0.01	139957				



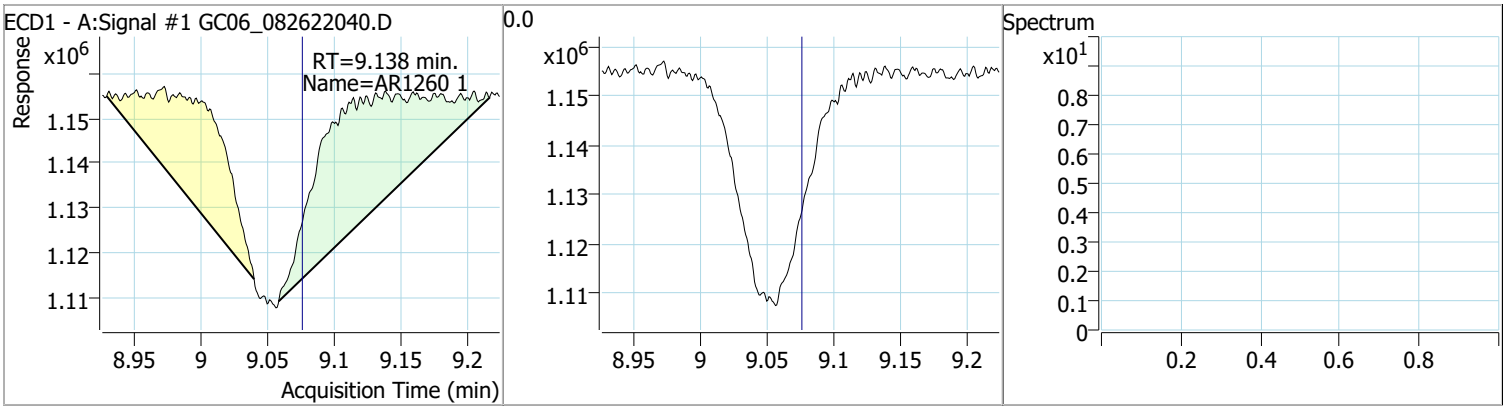
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	124.7026	6.99	-0.04	253801				



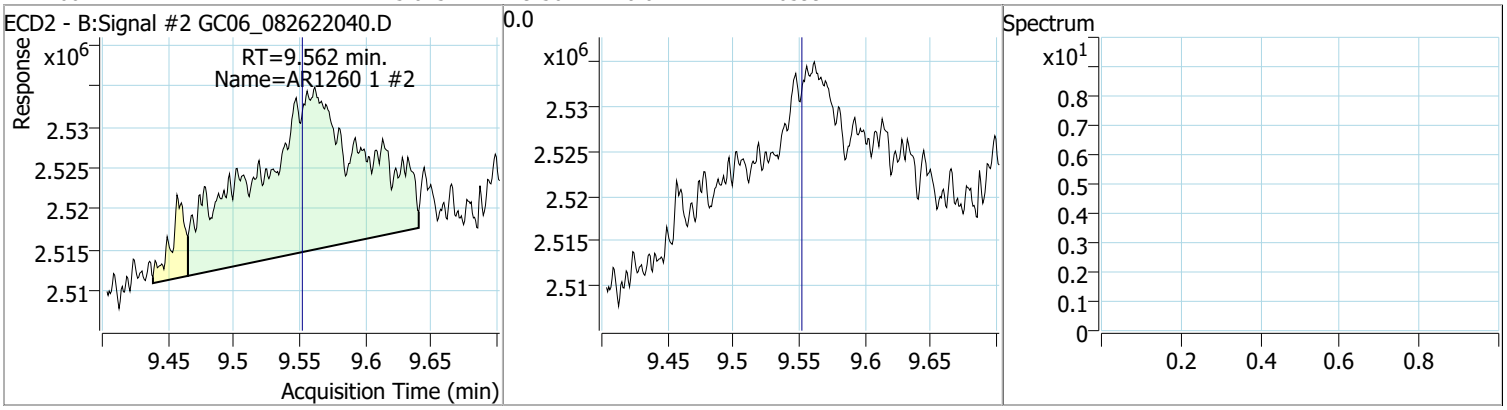
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.1658	7.32	0.00	1710				



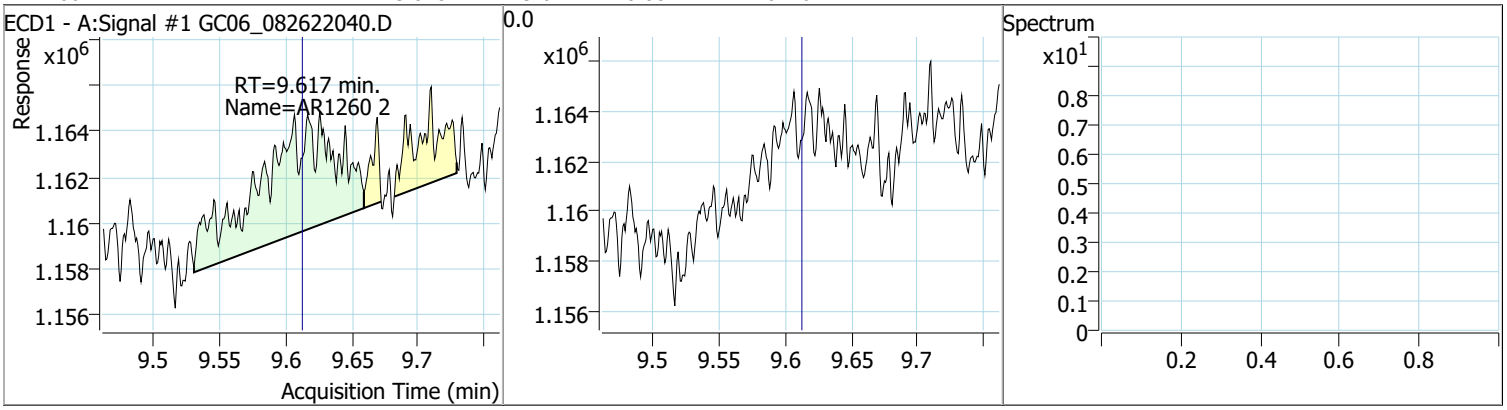
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	34.6543	9.14	0.06	152969				



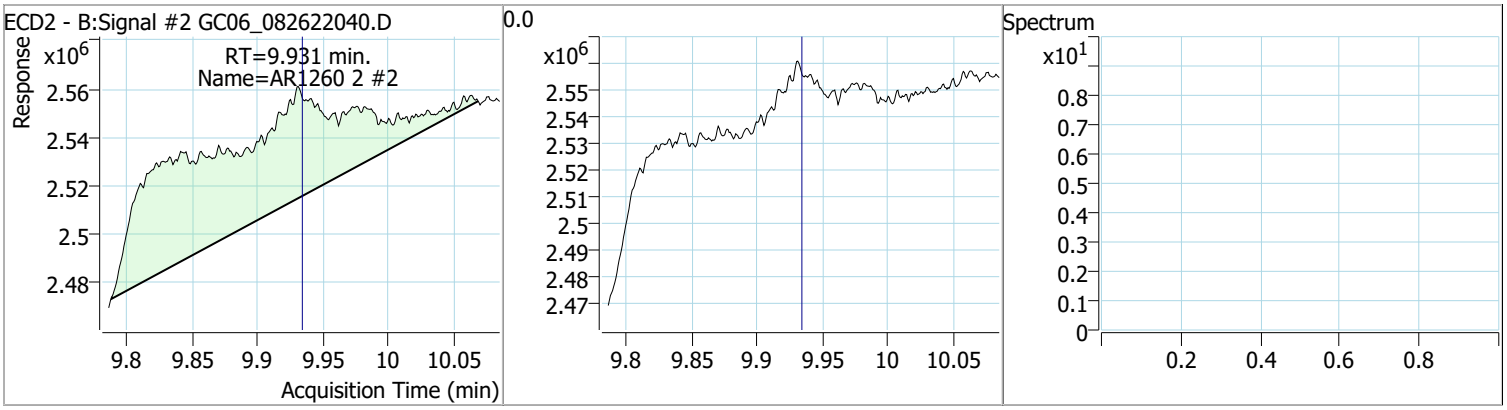
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	5.0757	9.56	0.01	116599				



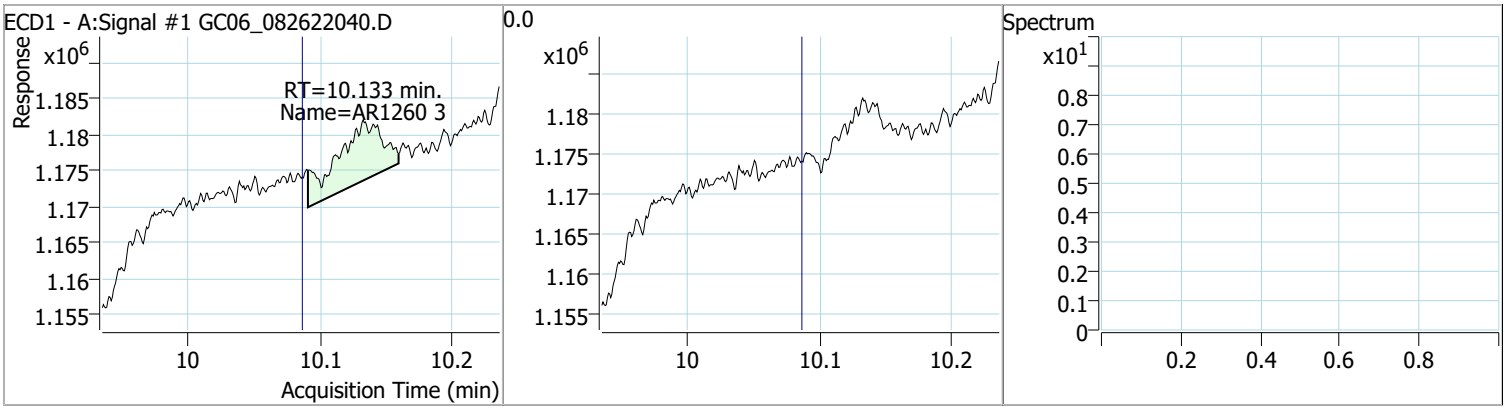
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	3.0484	9.62	0.00	20726				



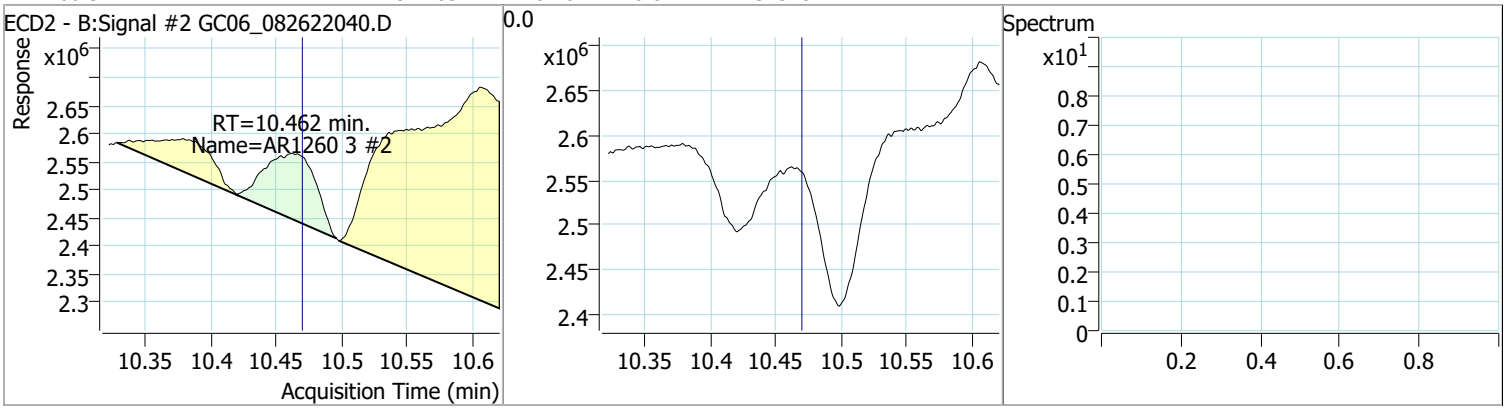
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	16.4664	9.93	-0.01	437069				



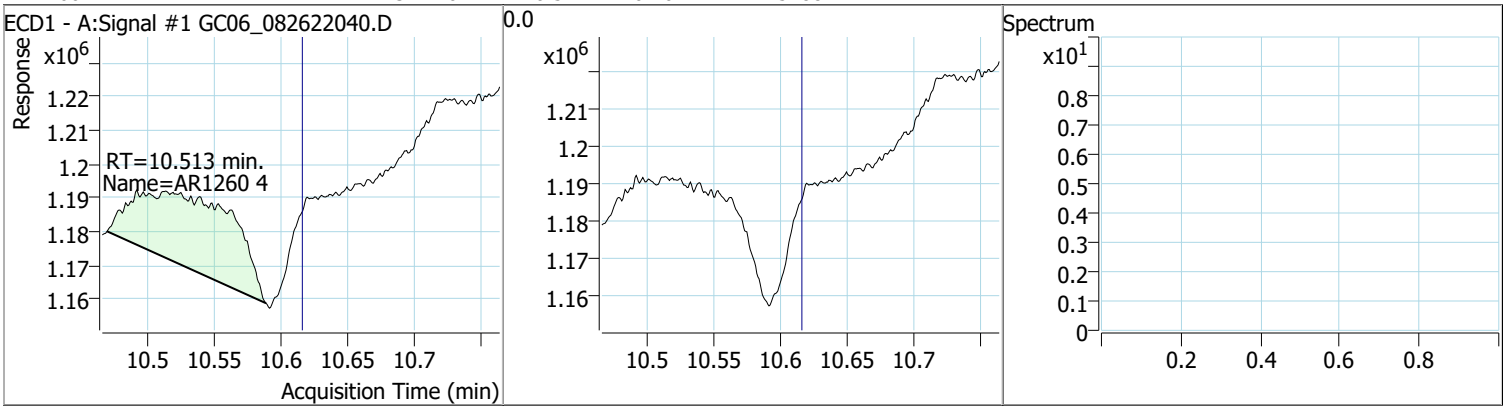
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	2.8513	10.13	0.05	20153				



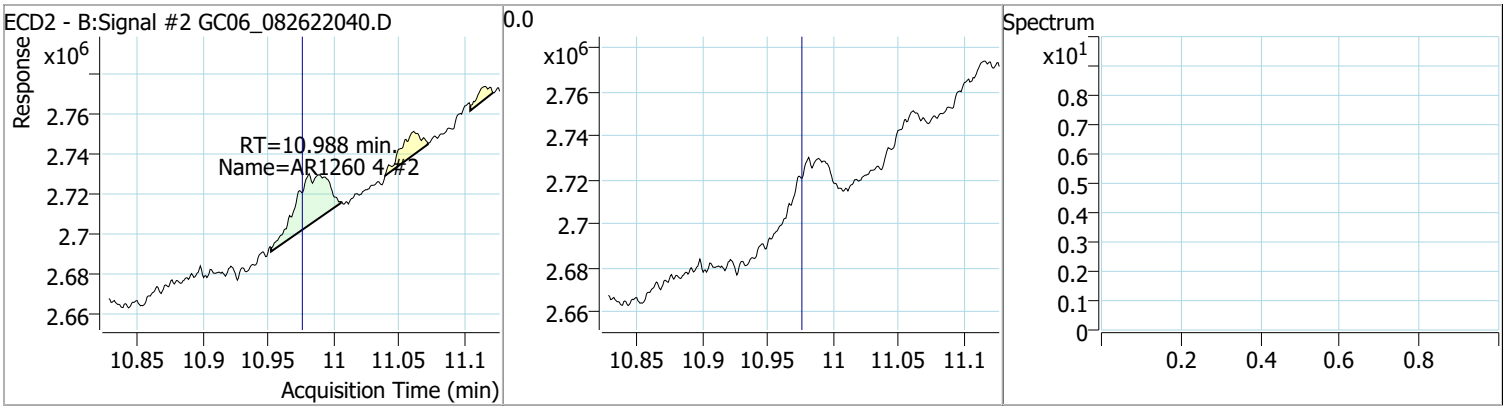
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	8.7483	10.46	-0.01	315482				



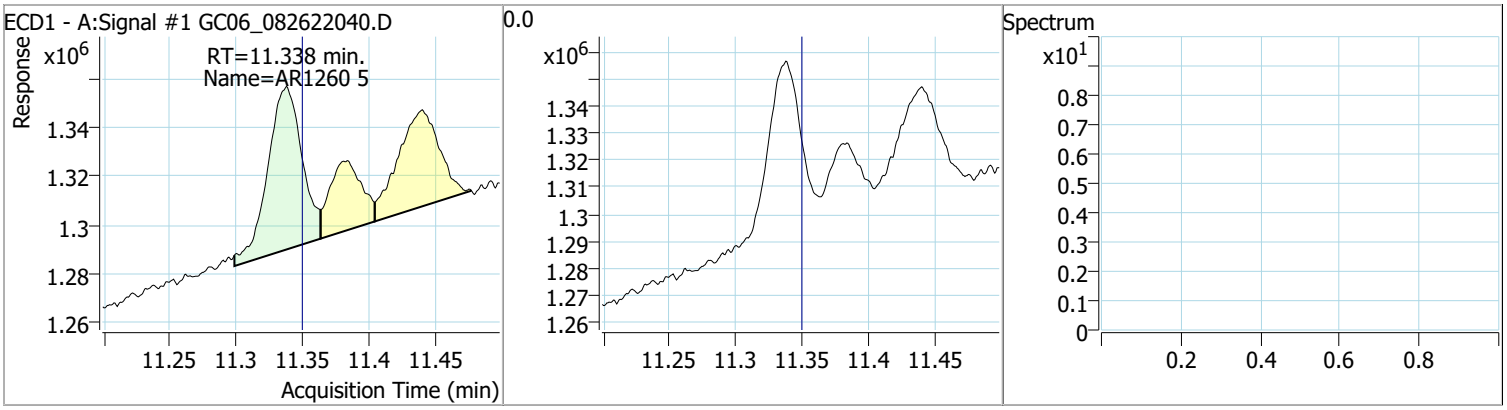
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	32.7701	10.51	-0.10	115188				



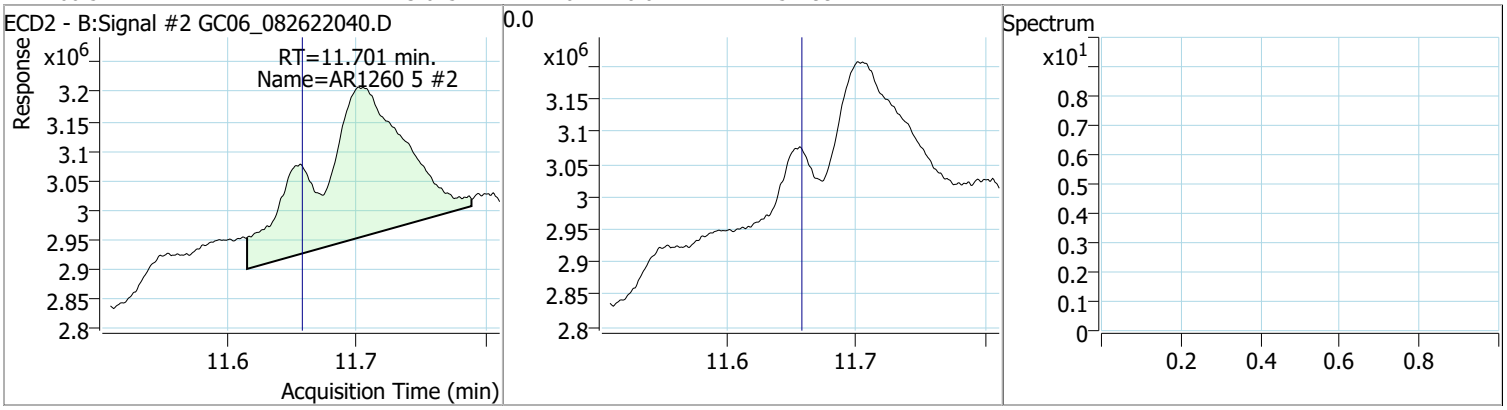
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	2.1548	10.99	0.01	42048				



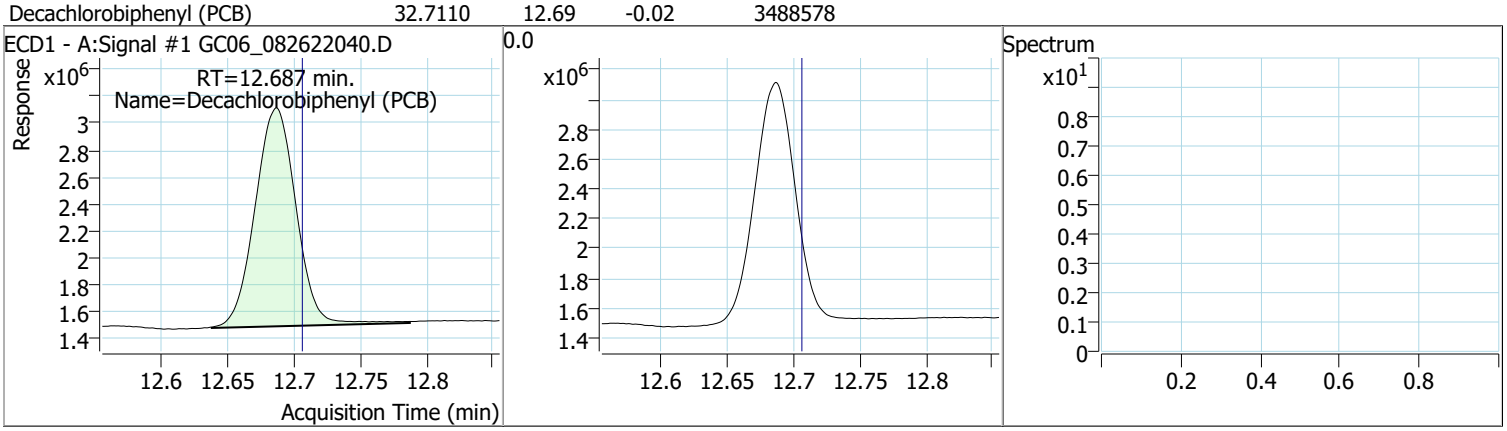
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	25.8458	11.34	-0.01	120242				



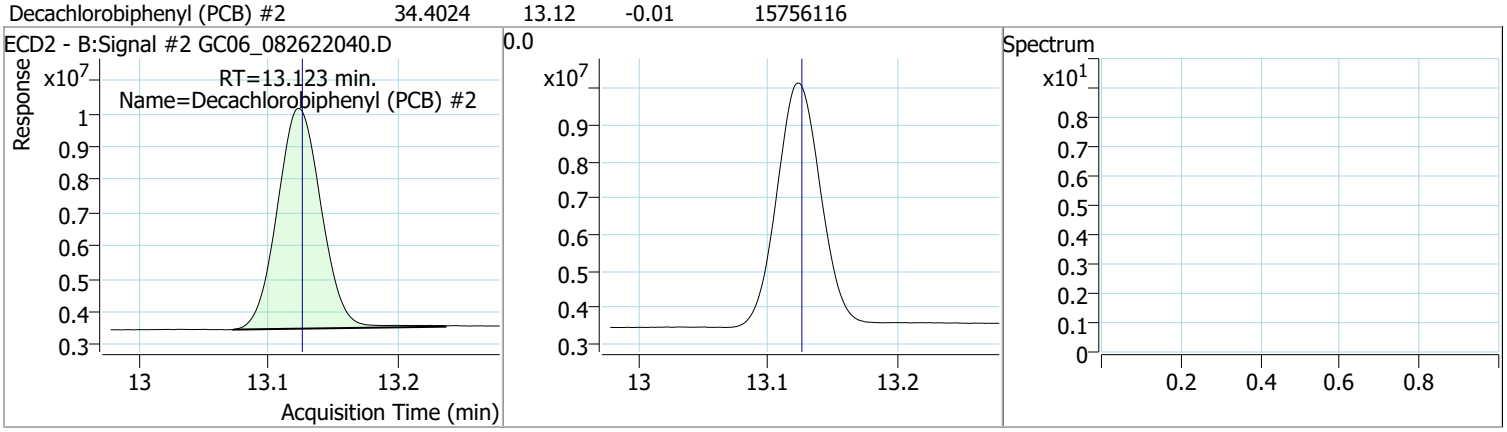
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	43.6152	11.70	0.04	1254799				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	32.7110	12.69	-0.02	3488578				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	34.4024	13.12	-0.01	15756116				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467872-016	Client ID:	DOOR-N-0.3GE-INT-16 TO 17-220823-P-CB
Seqnum:	452343556041	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622041	Batch:	295631	Time:	27-AUG-2022 01:25
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	64.18	~~1.3~~ ~~FP~~	0.55	81%	1.0		x u
Aroclor-1016 Peak # 1	A	68.22	1.36	1.16	17%			
Aroclor-1016 Peak # 2	A	11.73	0.23	0.43	59%			
Aroclor-1016 Peak # 3	A	3.959	0.08	0.94	169%			
Aroclor-1016 Peak # 4	A	158.3	3.17	0.18	179%			
Aroclor-1016 Peak # 5	A	78.71	1.57	0.02	195%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	20.79	ND	0.28	38%	1.0		u
Aroclor-1260 Peak # 1	A	33.42	0.67	0.07	164%			
Aroclor-1260 Peak # 2	A	0.8267	0.02	0.34	181%			
Aroclor-1260 Peak # 3	A	3.607	0.07	0.16	74%			
Aroclor-1260 Peak # 4	A	34.89	0.70	0.09	155%			
Aroclor-1260 Peak # 5	A	31.21	0.62	0.77	21%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	47.51	1.000	0.9503	95	52-186	c+ u
Decachlorobiphenyl (PCB)	A	37.02	1.000	0.7404	74	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	9279861	12.91
1-bromo-2-nitrobenzene (PCB)	A	1919479	1756314	-8.50

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

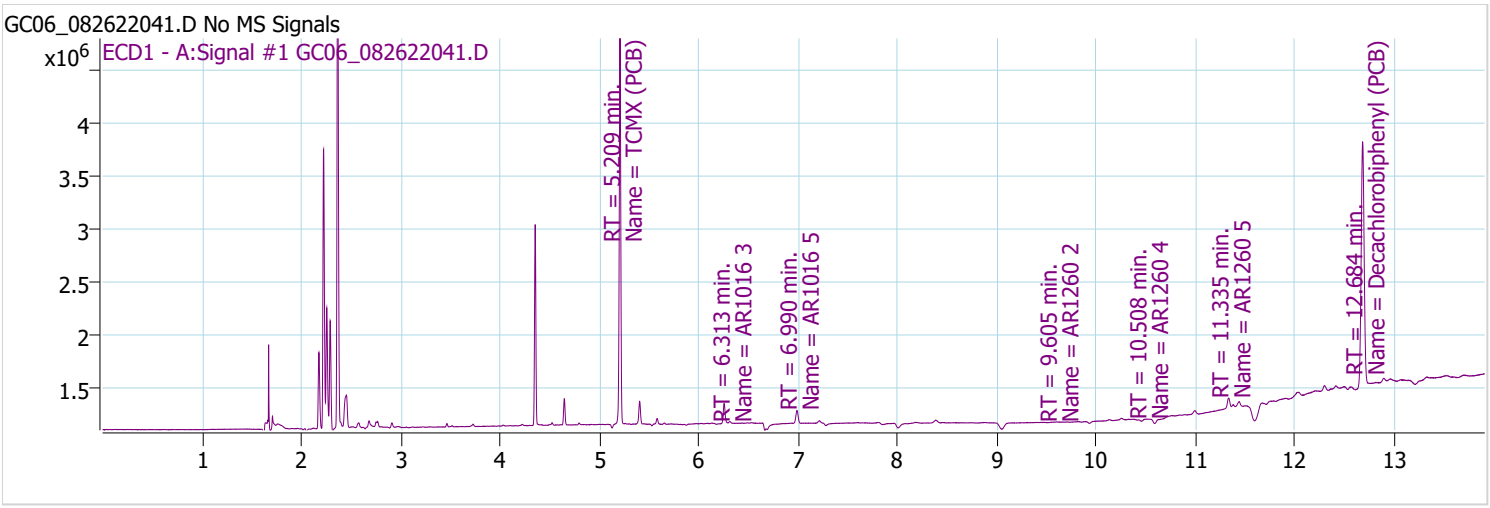
ISTD (CCV gc06_082622002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.12	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

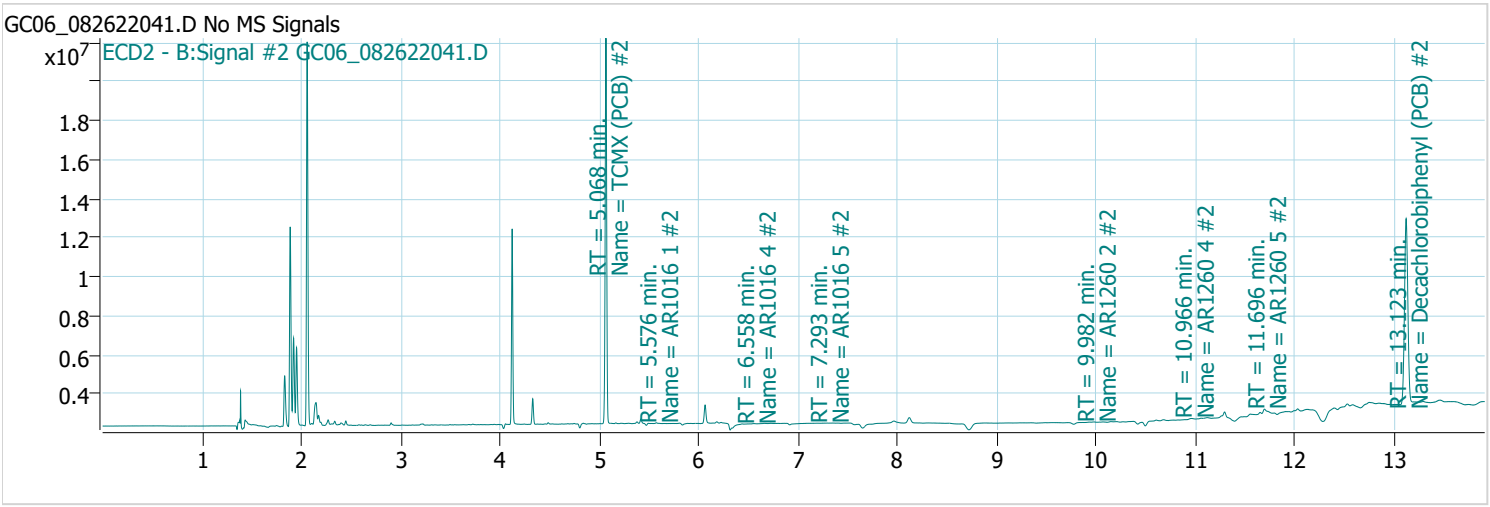
Analyst: TRN 08/29/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622041.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/27/2022 1:25:21 AM
Sample Name	467872-016, 295631, 1	Instrument	SVOA-GC06
Vial	31	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



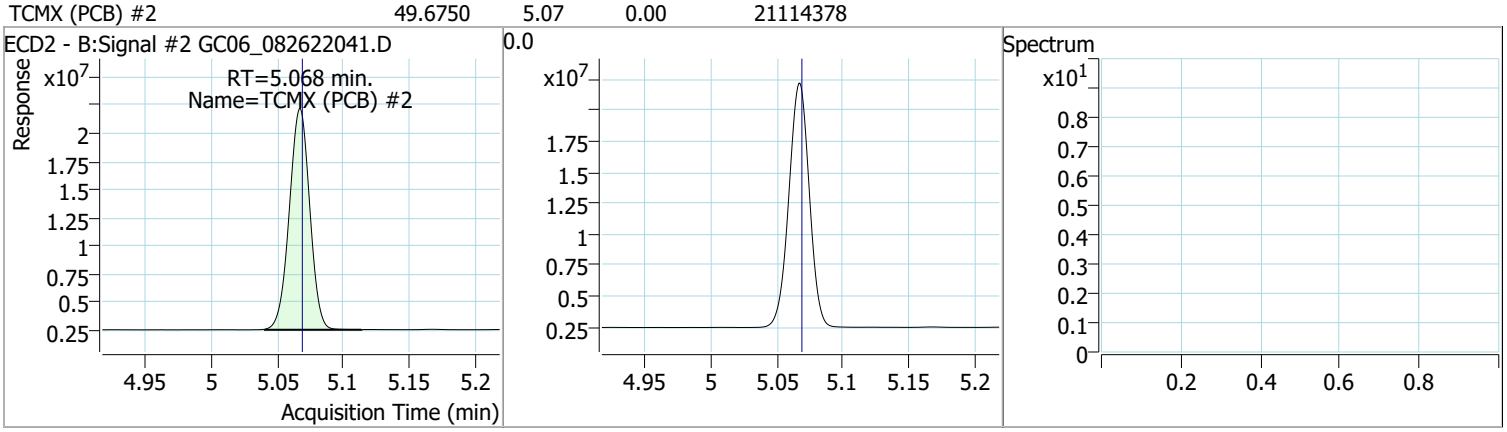


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	9279860.687	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB)	4.355	0.0	1756314.370	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB) #2	5.068	0.0	21114378.275	49.6750	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 248.38%		*	
S TCMX (PCB)	5.209	0.0	4012842.937	47.5009	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 237.50%		*	
S Decachlorobiphenyl (PCB)	12.684	0.0	4942262.058	37.0096	ng/ml		-0.022
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 185.05%		*	
S Decachlorobiphenyl (PCB) #2	13.123	0.0	22448544.767	40.0891	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 200.45%		*	
Target Compounds							QValue

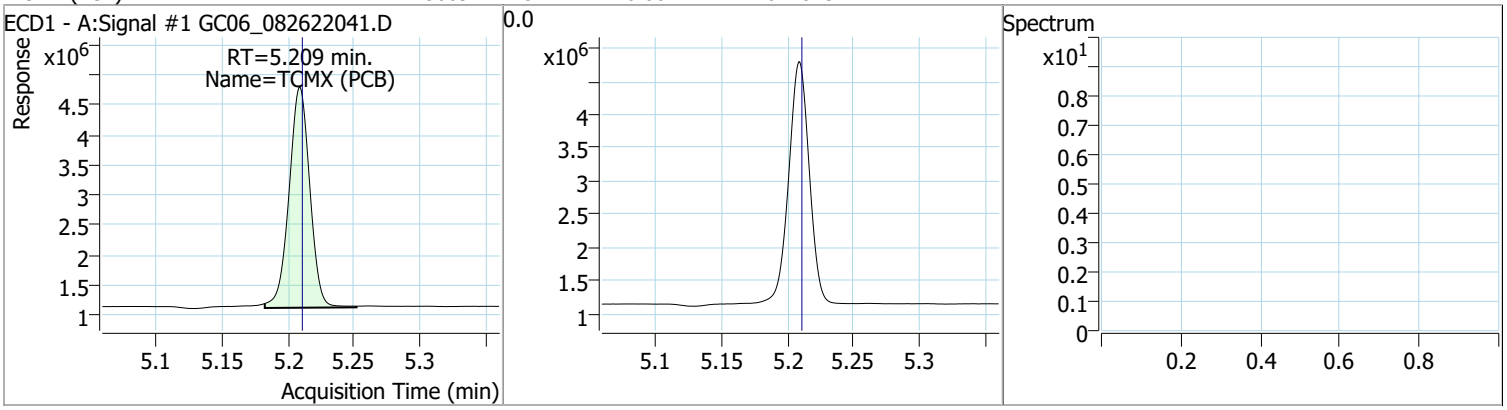
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.576	0.0	502061.230	57.7726	ng/ml	100
T AR1016 1	5.582	0.0	117165.787	68.1996	ng/ml	100
T AR1016 2 #2	5.993	0.0	390712.504	21.6647	ng/ml	100
T AR1016 2	5.975	0.0	43883.494	11.7314	ng/ml	100
T AR1016 3 #2	6.523	0.0	1123282.567	47.2286	ng/ml	100
T AR1016 3	6.313	0.0	17426.711	3.9584	ng/ml	100
T AR1016 4	6.535	0.0	521382.887	158.2584	ng/ml	100
T AR1016 4 #2	6.558	0.0	142188.849	8.8120	ng/ml	100
T AR1016 5	6.990	0.0	200534.123	78.6888	ng/ml	100
T AR1016 5 #2	7.293	0.0	12633.286	1.0014	ng/ml	100
T AR1260 1	9.181	0.0	184669.171	33.4111	ng/ml	100
T AR1260 1 #2	9.579	0.0	93216.851	3.3189	ng/ml	100
T AR1260 2	9.605	0.0	7035.874	0.8265	ng/ml	100
T AR1260 2 #2	9.982	0.0	543704.017	16.7536	ng/ml	100
T AR1260 3	10.131	0.0	31912.550	3.6059	ng/ml	100
T AR1260 3 #2	10.463	0.0	345045.732	7.8258	ng/ml	100
T AR1260 4	10.508	0.0	153510.543	34.8778	ng/ml	100
T AR1260 4 #2	10.966	0.0	104220.216	4.3683	ng/ml	100
T AR1260 5	11.335	0.0	181757.873	31.2011	ng/ml	100
T AR1260 5 #2	11.696	0.0	1349160.294	38.3554	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

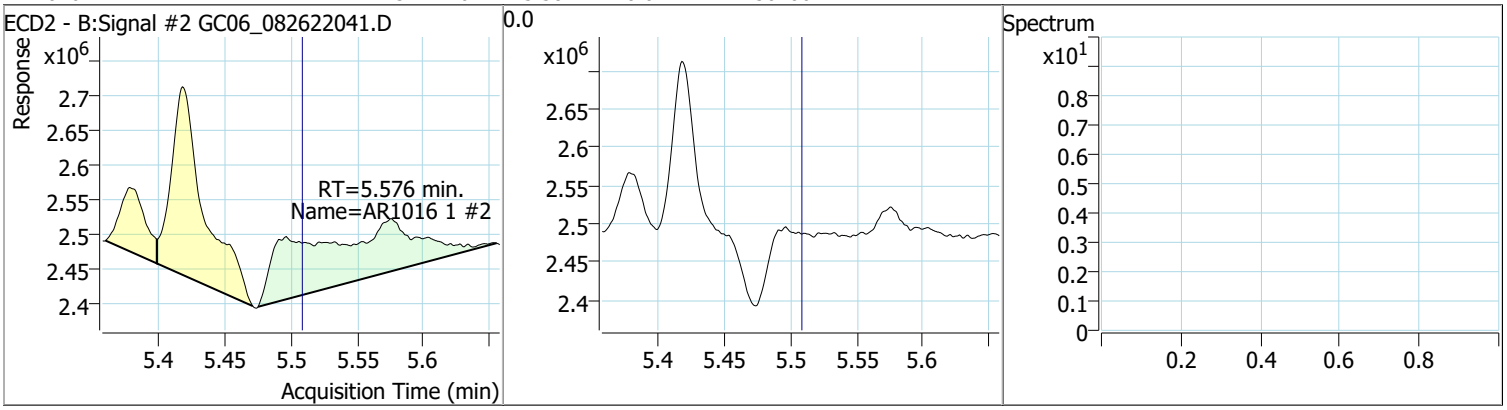
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	49.6750	5.07	0.00	21114378				



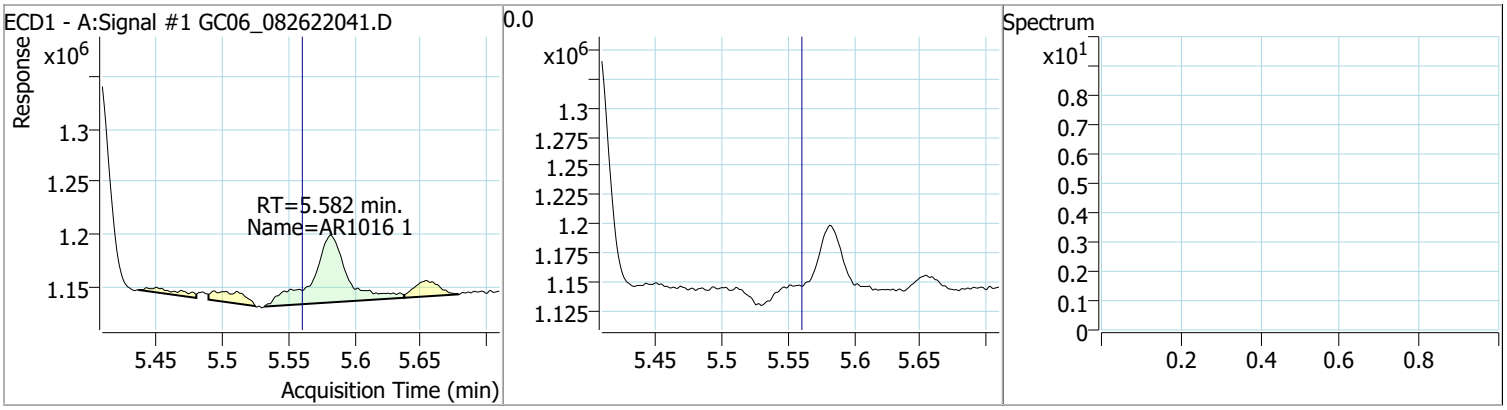
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	47.5009	5.21	0.00	4012843				



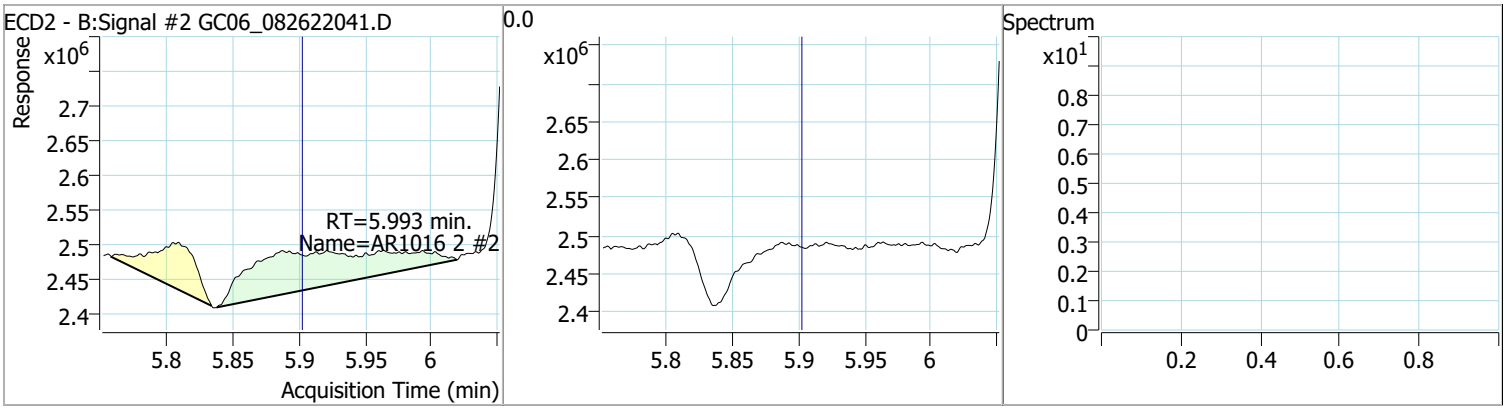
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	57.7726	5.58	0.07	502061				



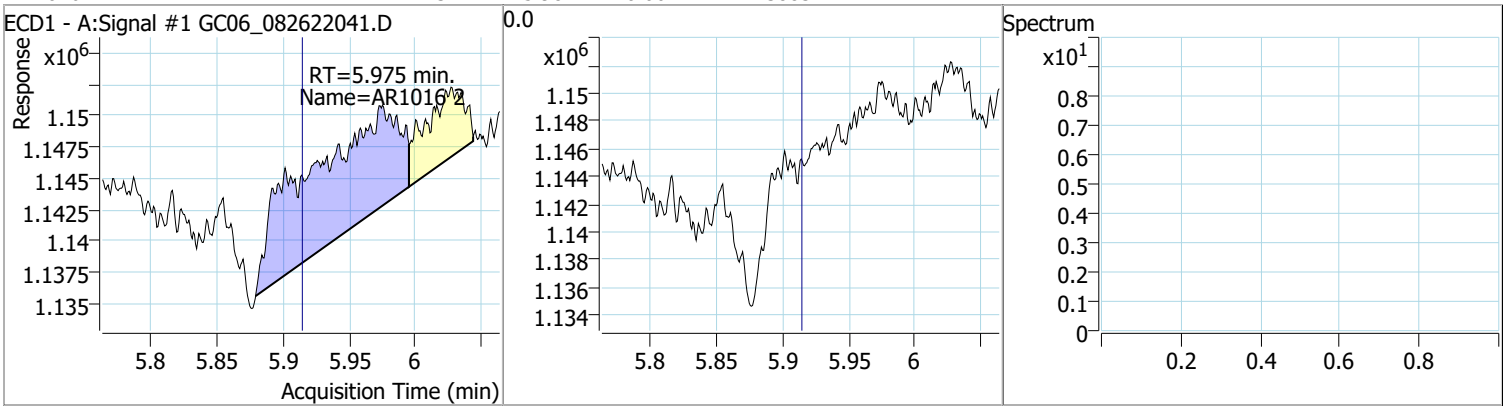
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	68.1996	5.58	0.02	117166				



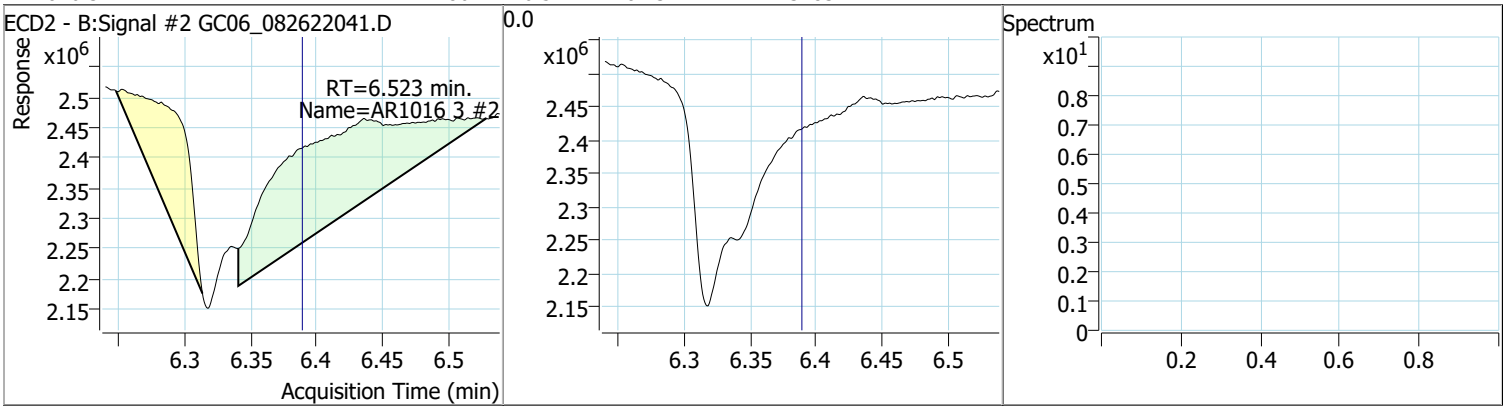
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	21.6647	5.99	0.09	390713				



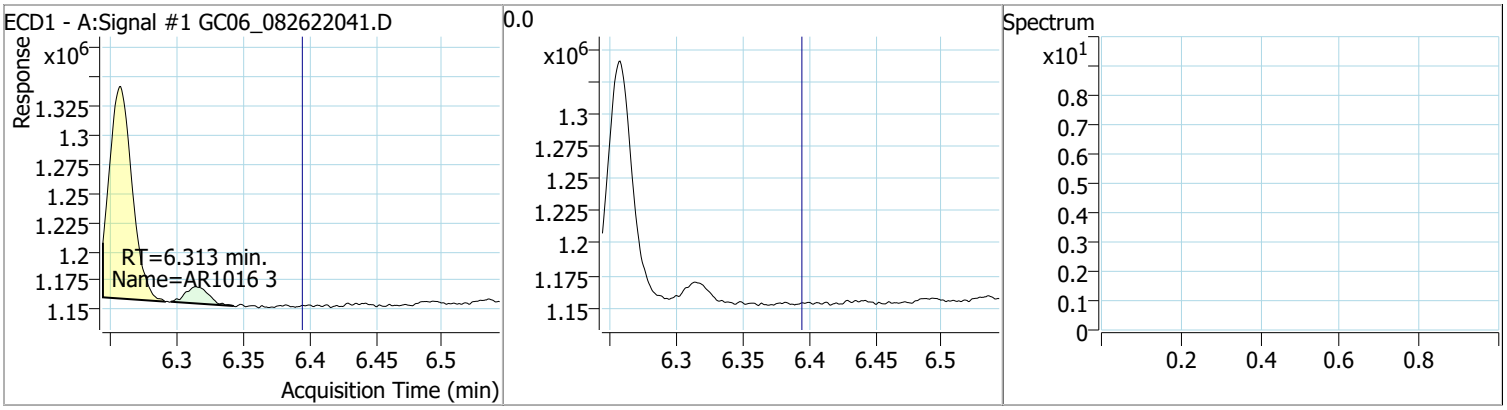
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	11.7314	5.98	0.06	43883				



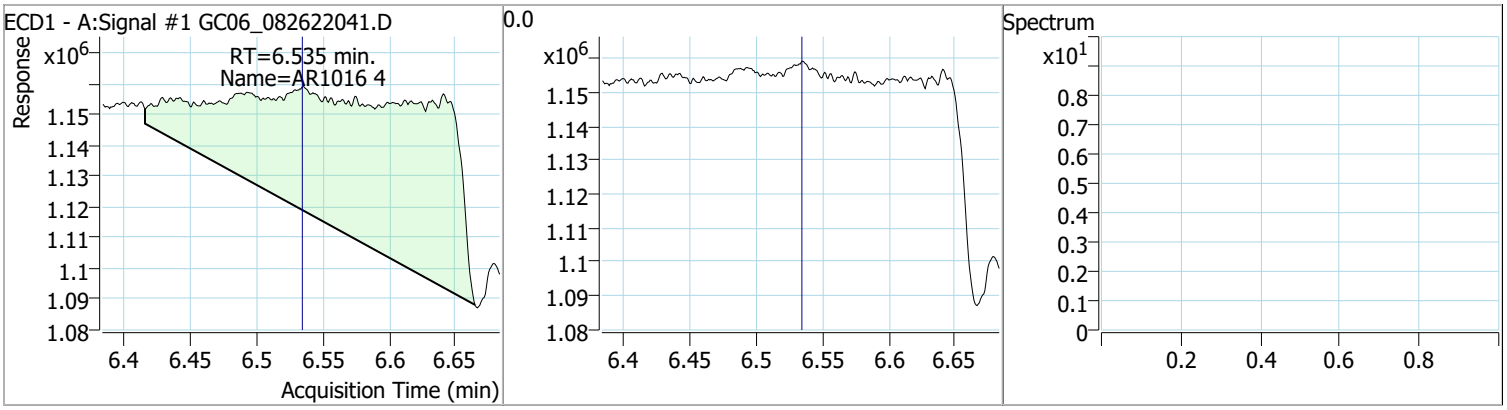
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	47.2286	6.52	0.13	1123283				



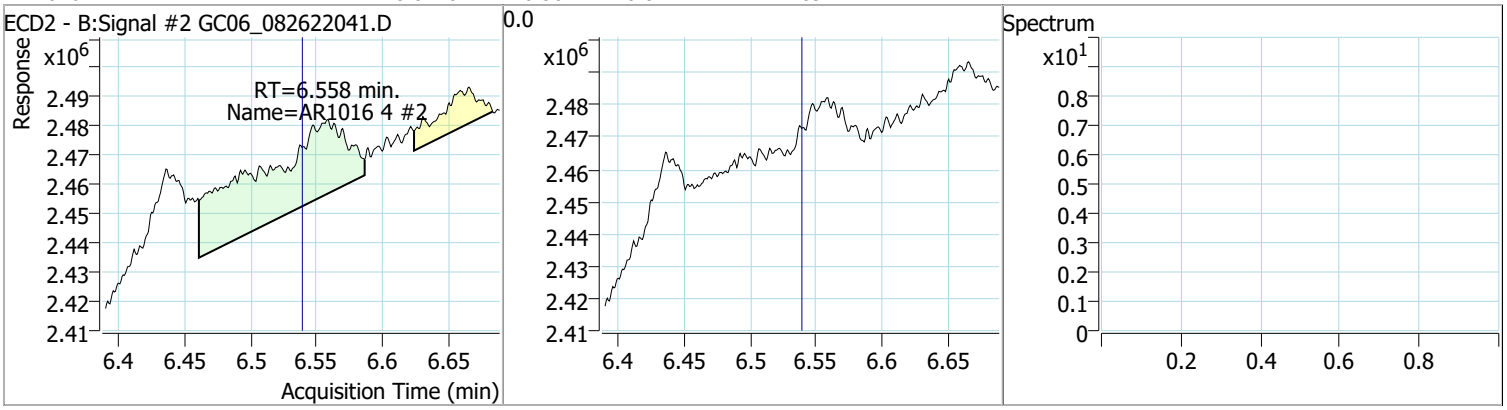
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	3.9584	6.31	-0.08	17427				



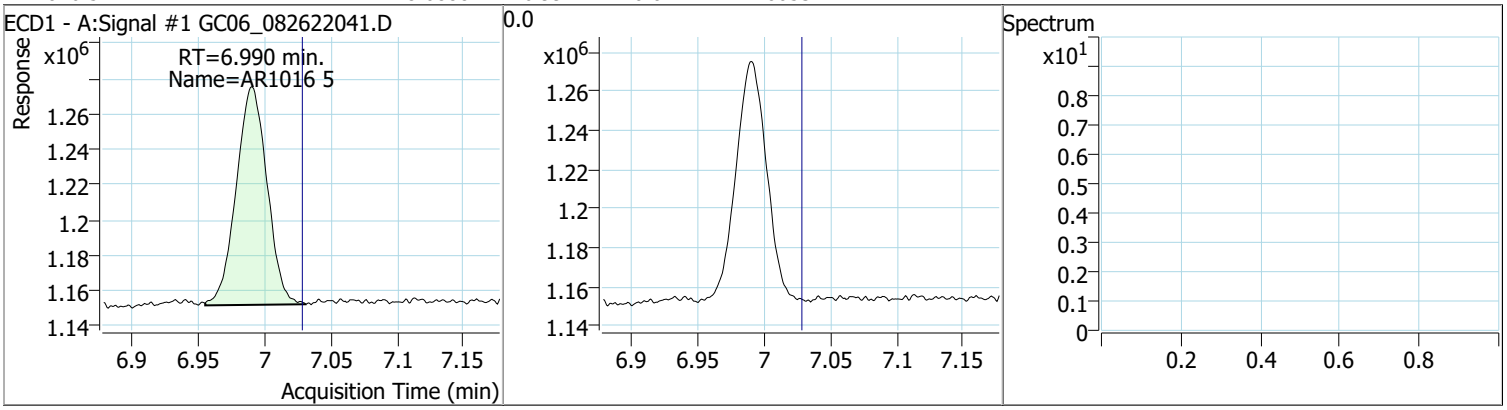
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	158.2584	6.54	0.00	521383				



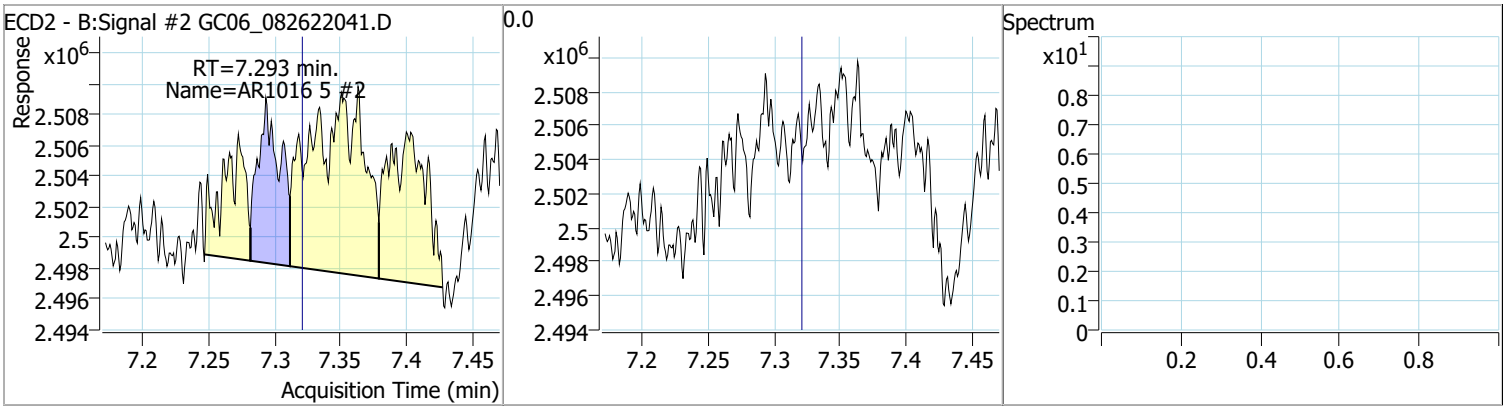
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	8.8120	6.56	0.02	142189				



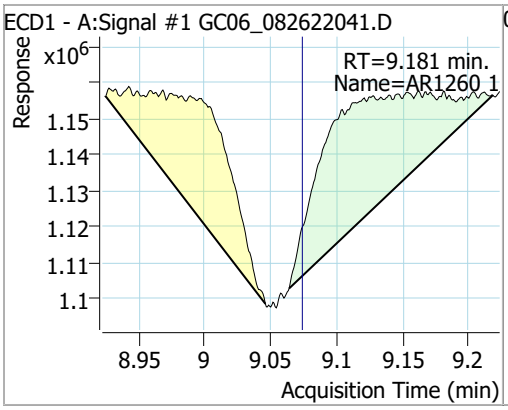
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	78.6888	6.99	-0.04	200534				

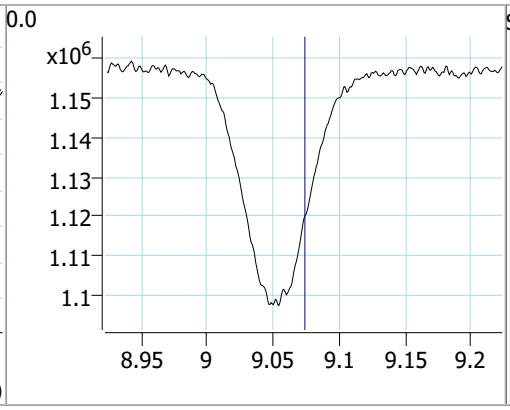


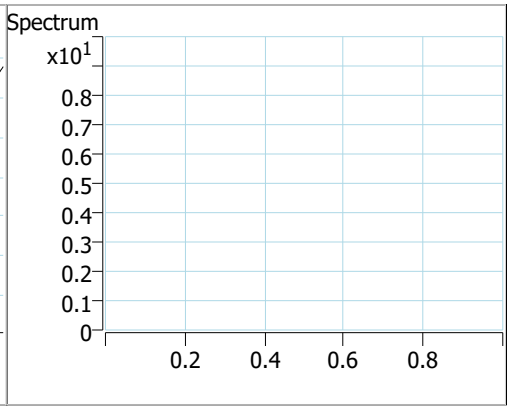
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.0014	7.29	-0.03	12633				



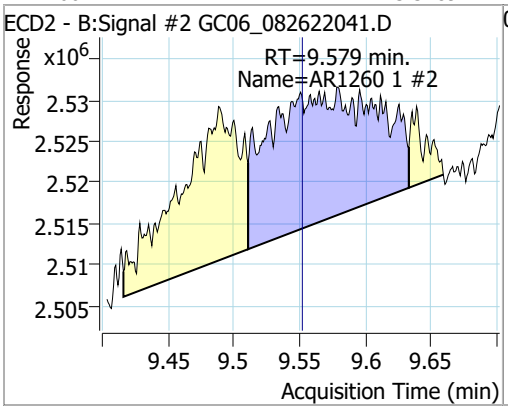
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	33.4111	9.18	0.11	184669				

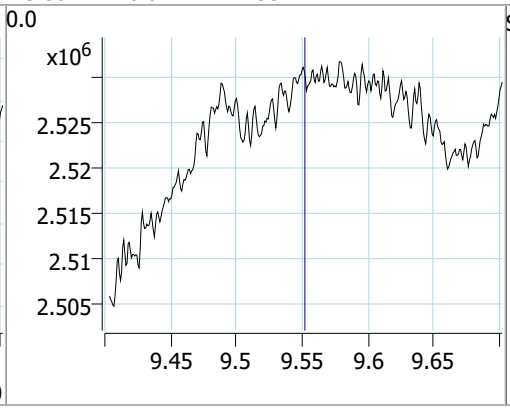


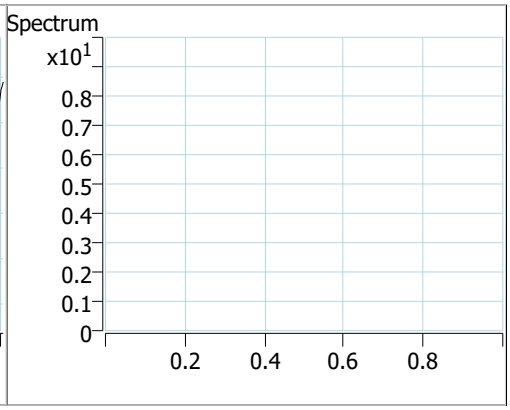




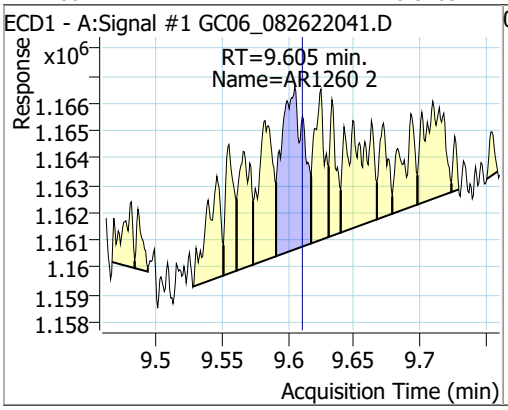
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	3.3189	9.58	0.02	93217				

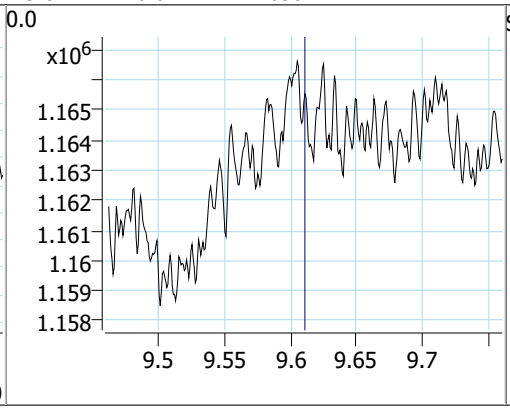


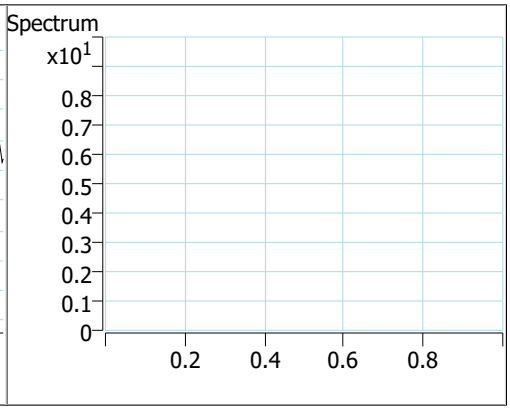




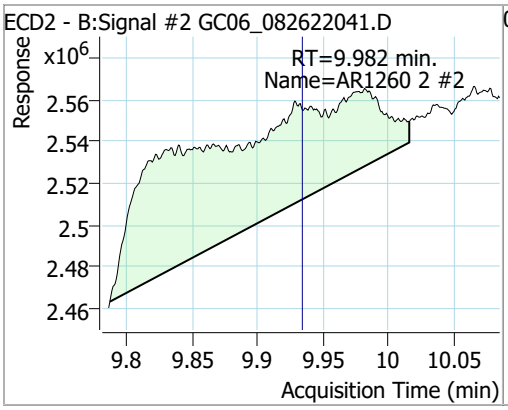
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.8265	9.61	-0.01	7036				

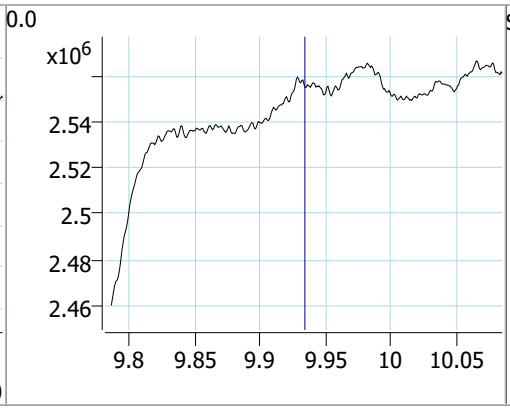


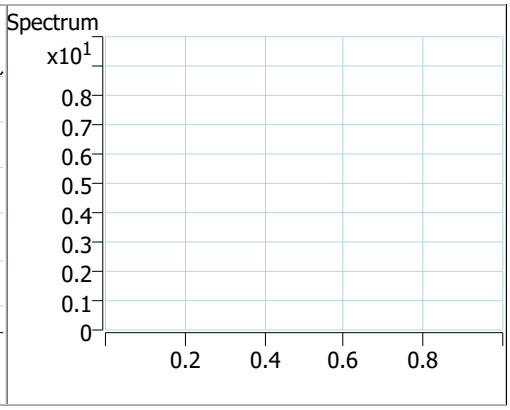




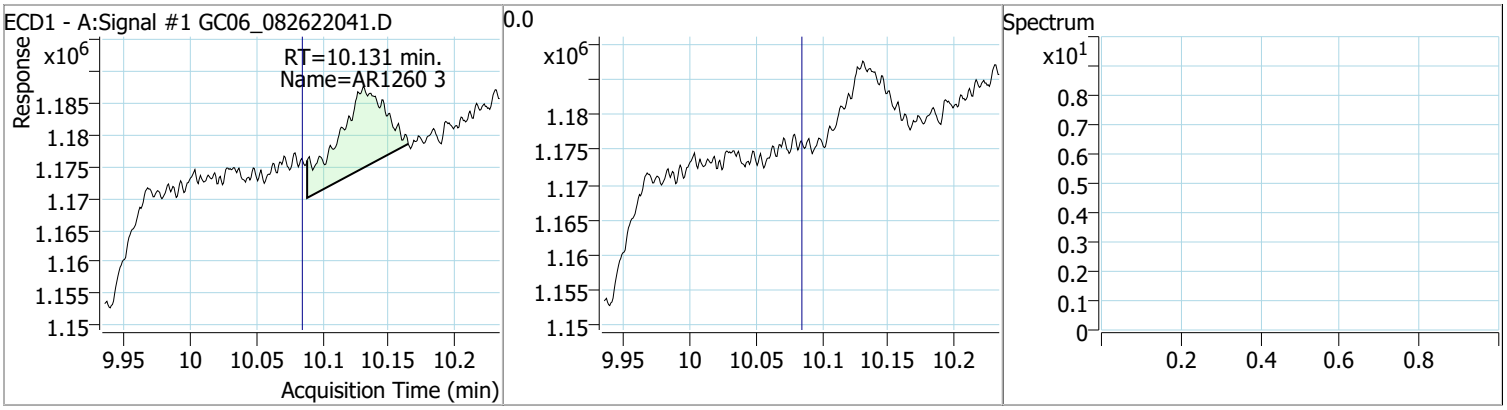
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	16.7536	9.98	0.04	543704				



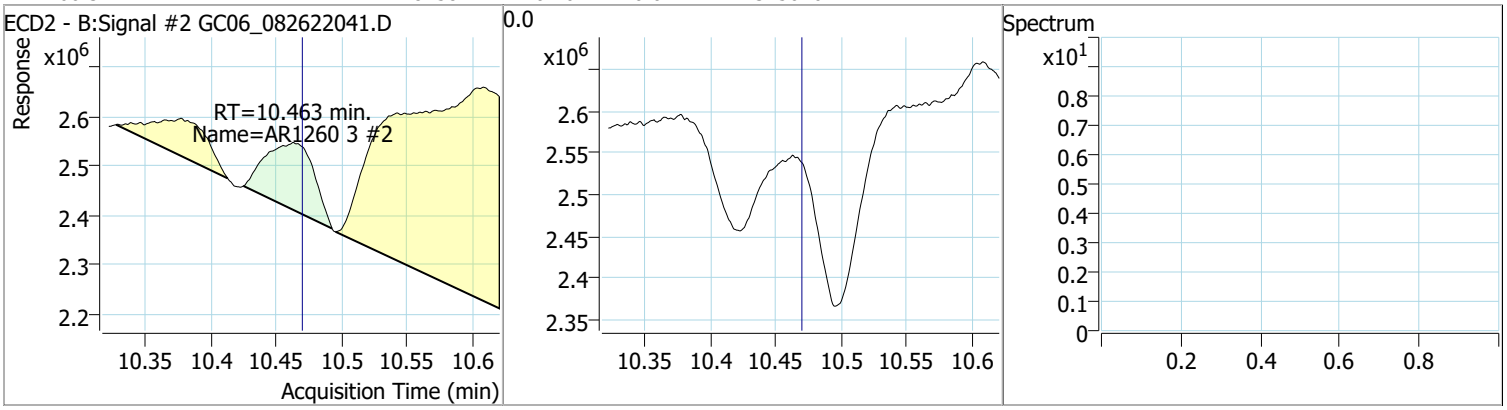




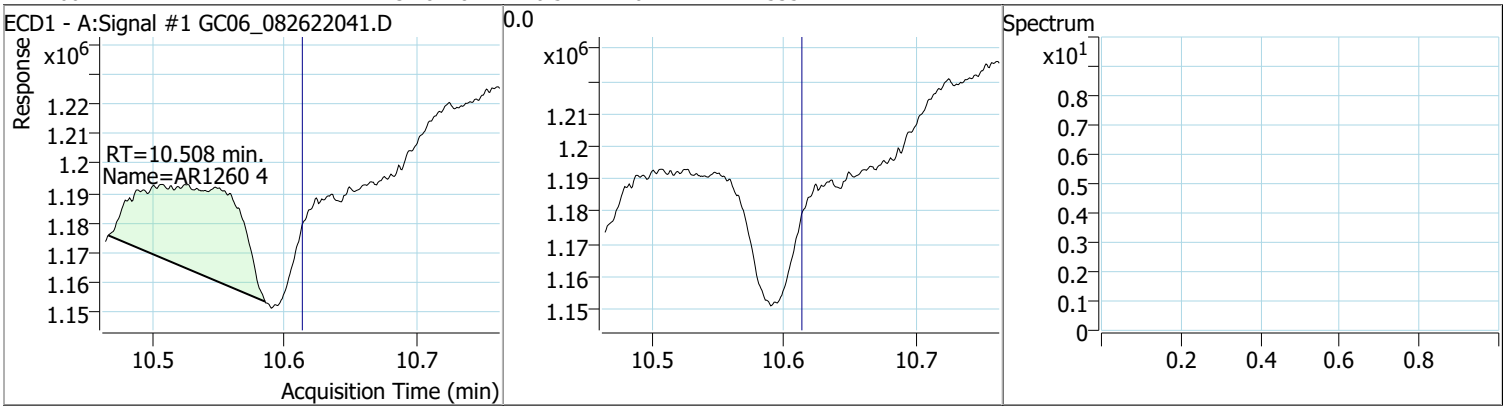
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	3.6059	10.13	0.04	31913				



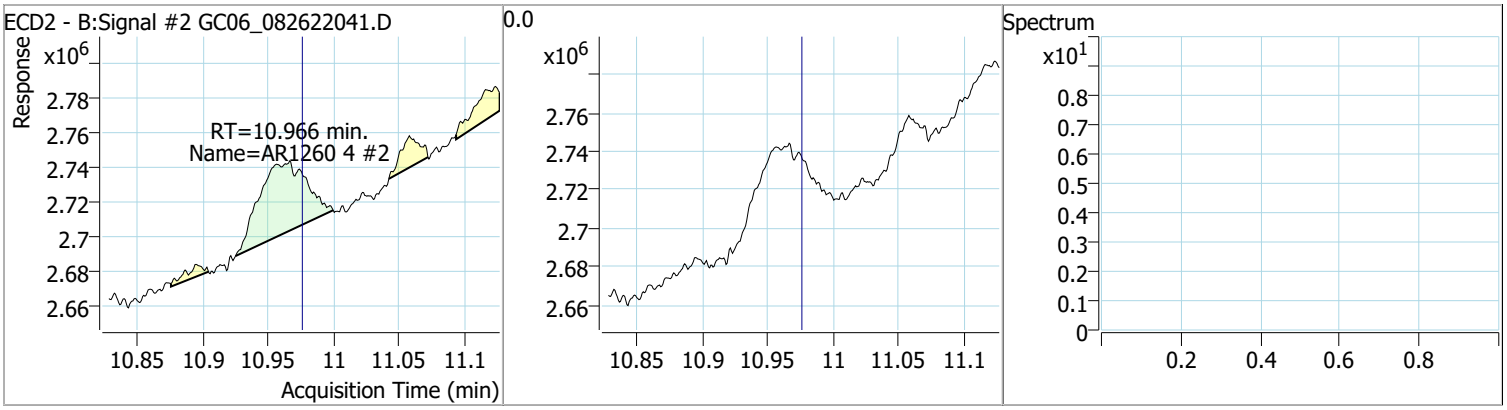
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.8258	10.46	-0.01	345046				



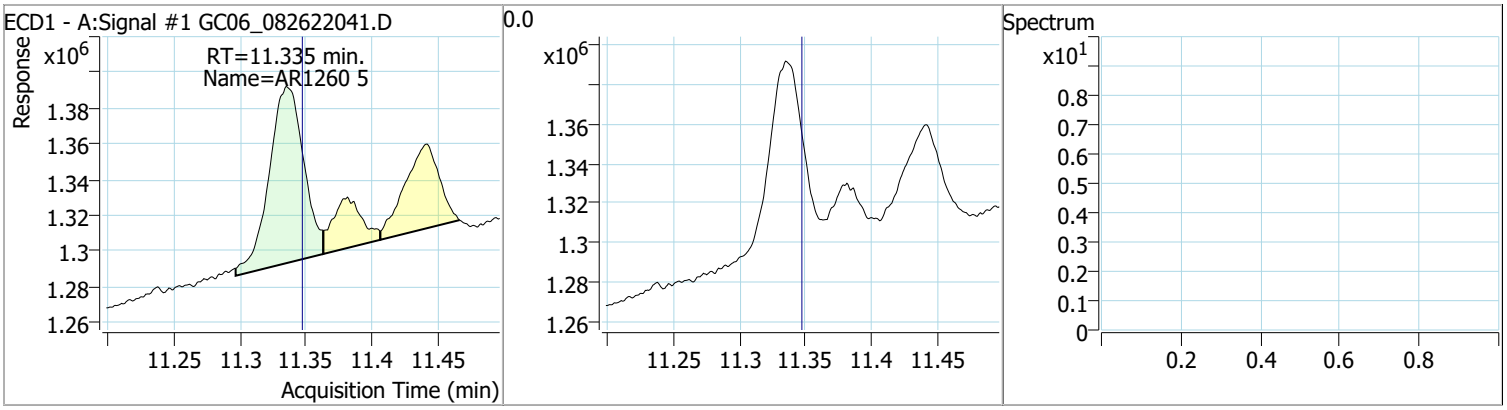
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	34.8778	10.51	-0.11	153511				



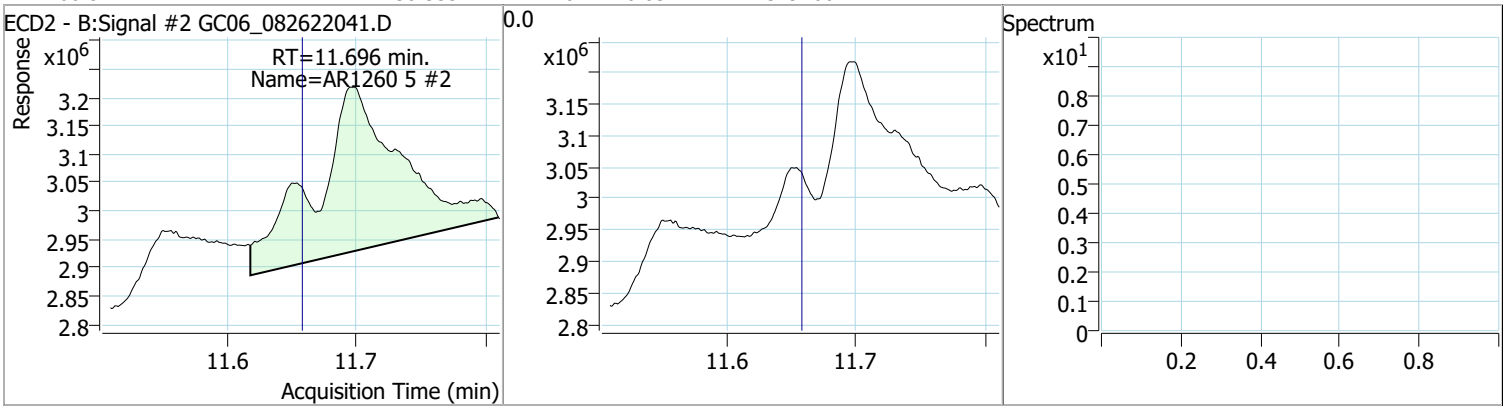
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	4.3683	10.97	-0.01	104220				



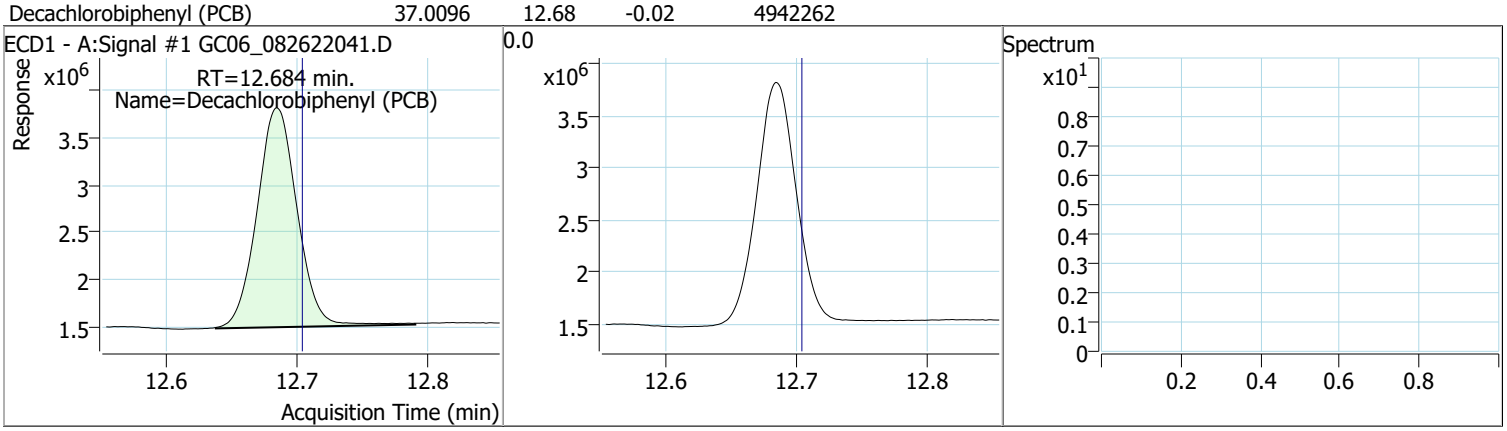
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	31.2011	11.34	-0.01	181758				



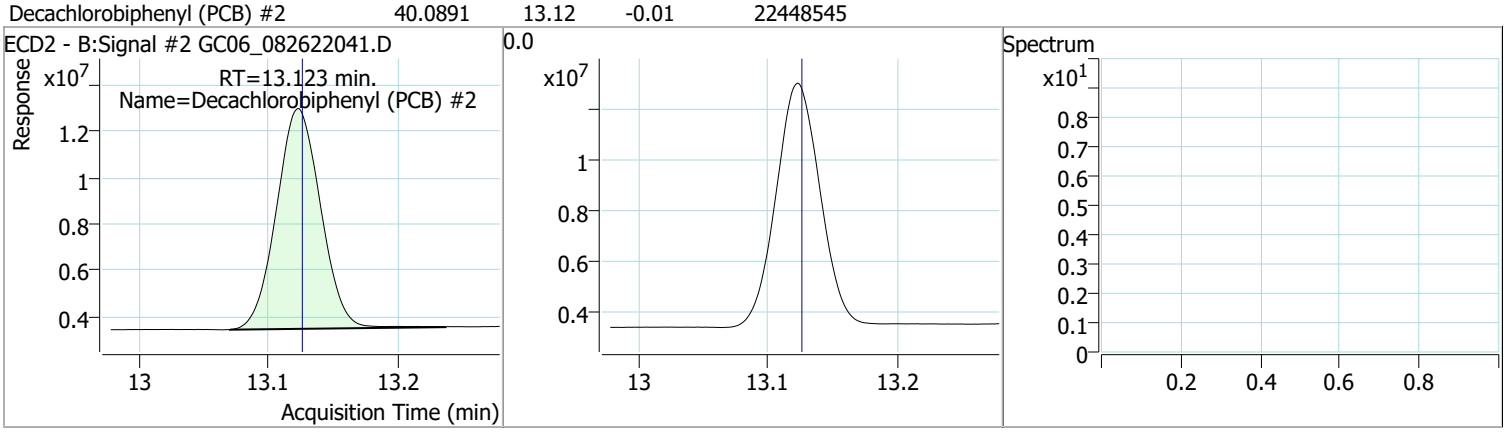
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	38.3554	11.70	0.03	1349160				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	37.0096	12.68	-0.02	4942262				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	40.0891	13.12	-0.01	22448545				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467872-018	Client ID:	DOOR-N-0.3GE-DG-2 TO 16-220823-P-LA
Seqnum:	452343556042	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622042	Batch:	295631	Time:	27-AUG-2022 01:42
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	97.61	~~2.0~~ ~~FP~~	0.57	110%	1.0		x u
Aroclor-1016 Peak # 1	A	75.73	1.51	1.43	5%			
Aroclor-1016 Peak # 2	A	1.347	0.03	0.15	140%			
Aroclor-1016 Peak # 3	A	5.336	0.11	1.17	167%			
Aroclor-1016 Peak # 4	A	174.5	3.49	0.08	191%			
Aroclor-1016 Peak # 5	A	231.2	4.62	0.00	200%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	20.71	ND	0.20	69%	1.0		u
Aroclor-1260 Peak # 1	A	19.66	0.39	0.05	153%			
Aroclor-1260 Peak # 2	A	2.547	0.05	0.31	143%			
Aroclor-1260 Peak # 3	A	1.687	0.03	0.15	126%			
Aroclor-1260 Peak # 4	A	8.506	0.17	0.15	12%			
Aroclor-1260 Peak # 5	A	71.13	1.42	0.35	121%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	46.18	1.000	0.9236	92	52-186	c+ u
Decachlorobiphenyl (PCB)	A	39.25	1.000	0.7850	79	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	8125603	-1.13
1-bromo-2-nitrobenzene (PCB)	A	1919479	1506070	-21.54

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

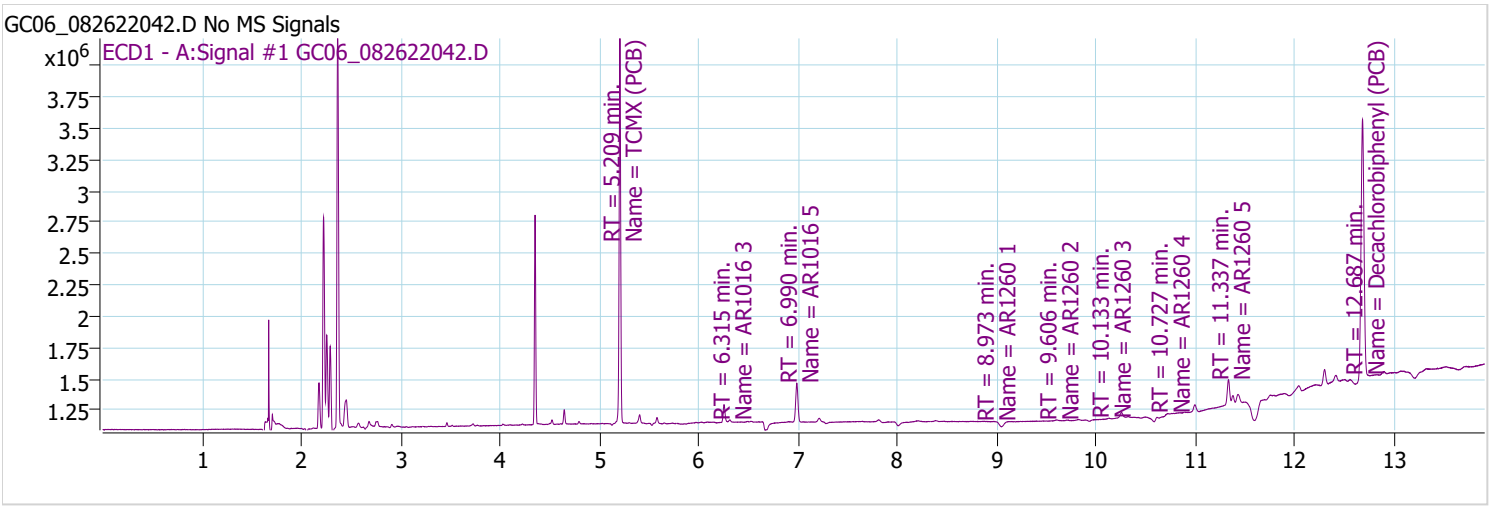
ISTD (CCV gc06_082622002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.12	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

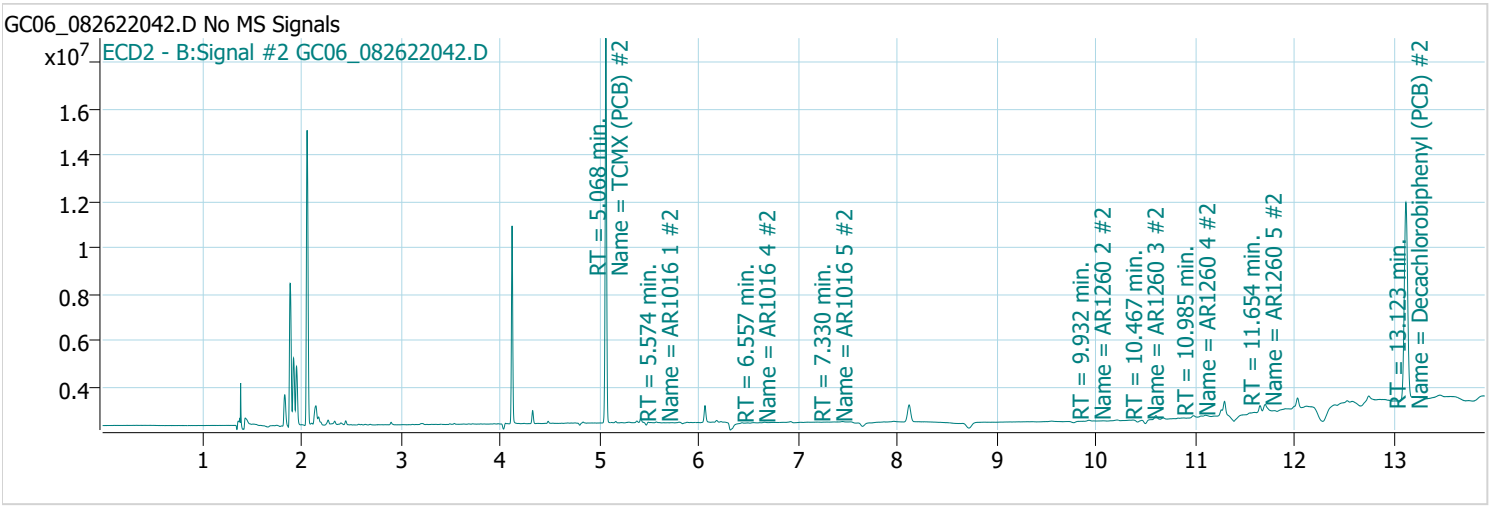
Analyst: TRN 08/29/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622042.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/27/2022 1:42:52 AM
Sample Name	467872-018, 295631, 1	Instrument	SVOA-GC06
Vial	32	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



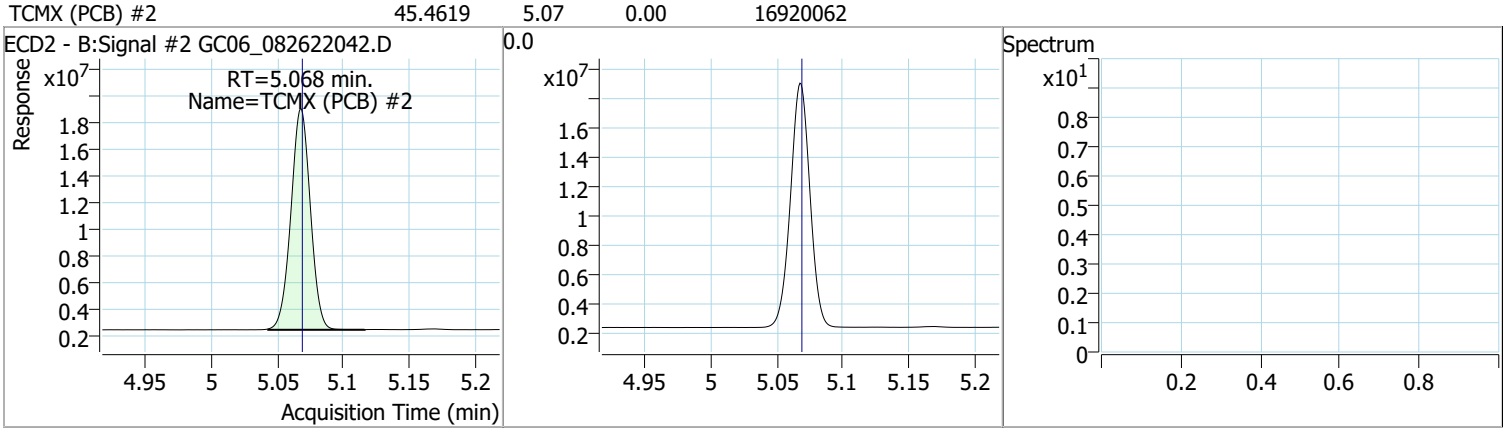


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	8125603.180	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB)	4.355	0.0	1506070.122	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB) #2	5.068	0.0	16920061.896	45.4619	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 227.31%		*	
S TCMX (PCB)	5.209	0.0	3344437.526	46.1668	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 230.83%		*	
S Decachlorobiphenyl (PCB)	12.687	0.0	4493570.213	39.2407	ng/ml		-0.019
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 196.20%		*	
S Decachlorobiphenyl (PCB) #2	13.123	0.0	20372953.103	41.5507	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 207.75%		*	
Target Compounds							QValue

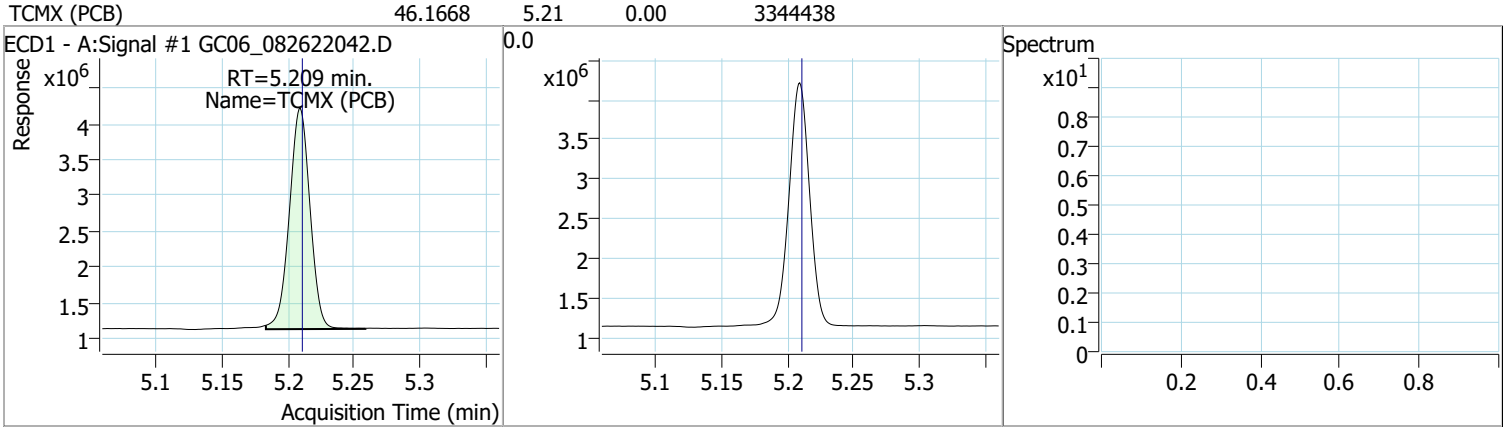
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.574	0.0	545537.644	71.6928	ng/ml	100
T AR1016 1	5.582	0.0	111540.918	75.7133	ng/ml	100
T AR1016 2 #2	5.888	0.0	119440.560	7.5637	ng/ml	100
T AR1016 2	5.899	0.0	4318.659	1.3463	ng/ml	100
T AR1016 3 #2	6.437	0.0	1220524.287	58.6068	ng/ml	100
T AR1016 3	6.315	0.0	20139.478	5.3347	ng/ml	100
T AR1016 4	6.527	0.0	492743.612	174.4167	ng/ml	100
T AR1016 4 #2	6.557	0.0	58875.052	4.1670	ng/ml	100
T AR1016 5	6.990	0.0	505031.647	231.1001	ng/ml	100
T AR1016 5 #2	7.330	0.0	1268.781	0.1149	ng/ml	100
T AR1260 1	8.973	0.0	93141.202	19.6515	ng/ml	100
T AR1260 1 #2	9.556	0.0	65077.728	2.6462	ng/ml	100
T AR1260 2	9.606	0.0	18585.796	2.5459	ng/ml	100
T AR1260 2 #2	9.932	0.0	436037.814	15.3446	ng/ml	100
T AR1260 3	10.133	0.0	12802.726	1.6870	ng/ml	100
T AR1260 3 #2	10.467	0.0	284909.013	7.3798	ng/ml	100
T AR1260 4	10.727	0.0	32097.594	8.5043	ng/ml	100
T AR1260 4 #2	10.985	0.0	157932.781	7.5599	ng/ml	100
T AR1260 5	11.337	0.0	355236.015	71.1133	ng/ml	100
T AR1260 5 #2	11.654	0.0	536664.493	17.4241	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

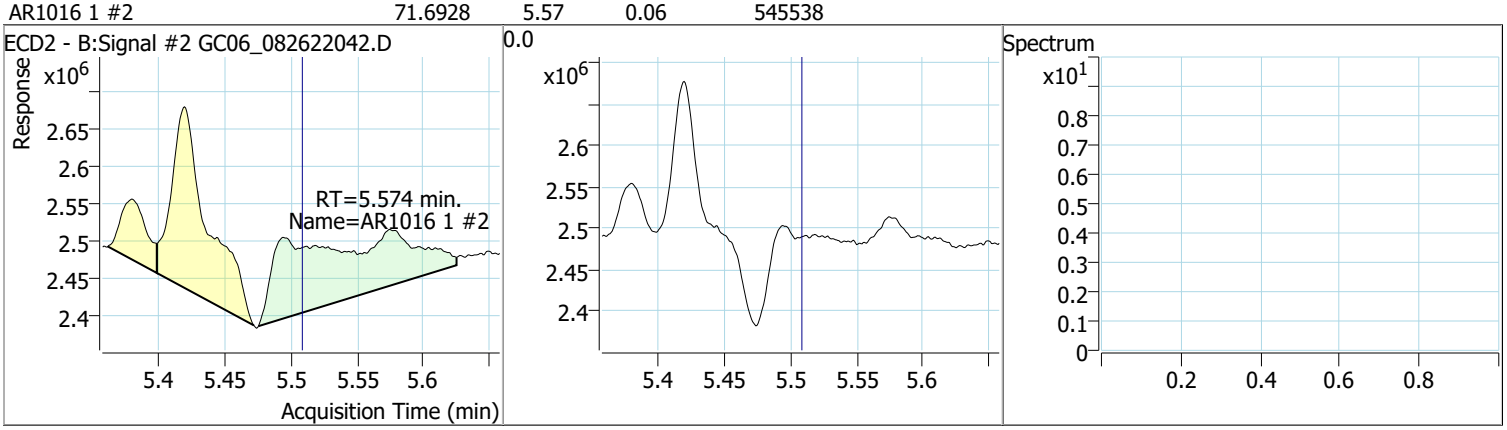
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	45.4619	5.07	0.00	16920062				



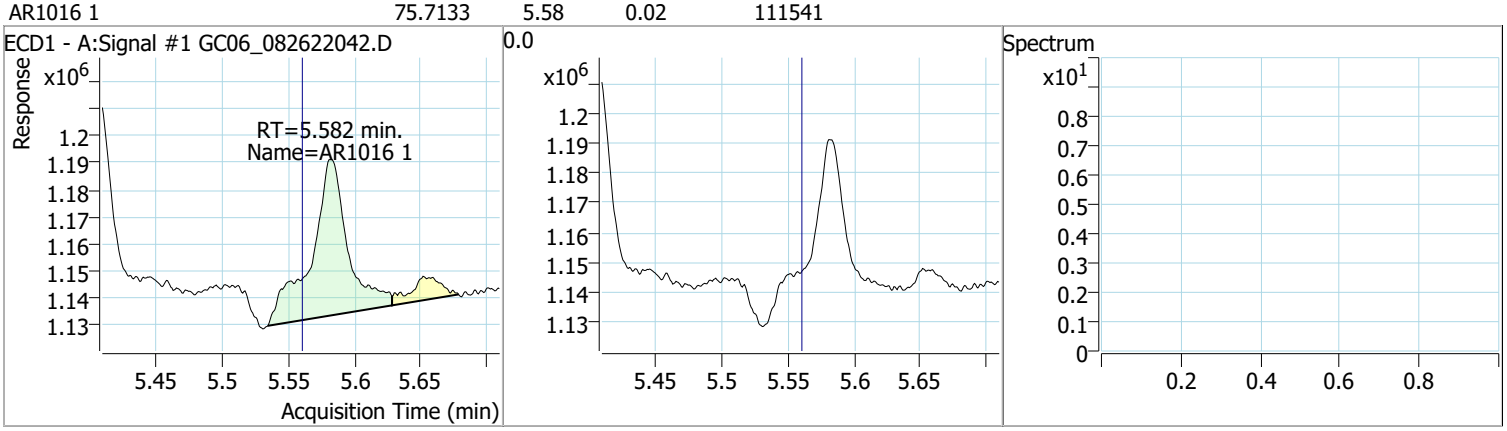
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	46.1668	5.21	0.00	3344438				



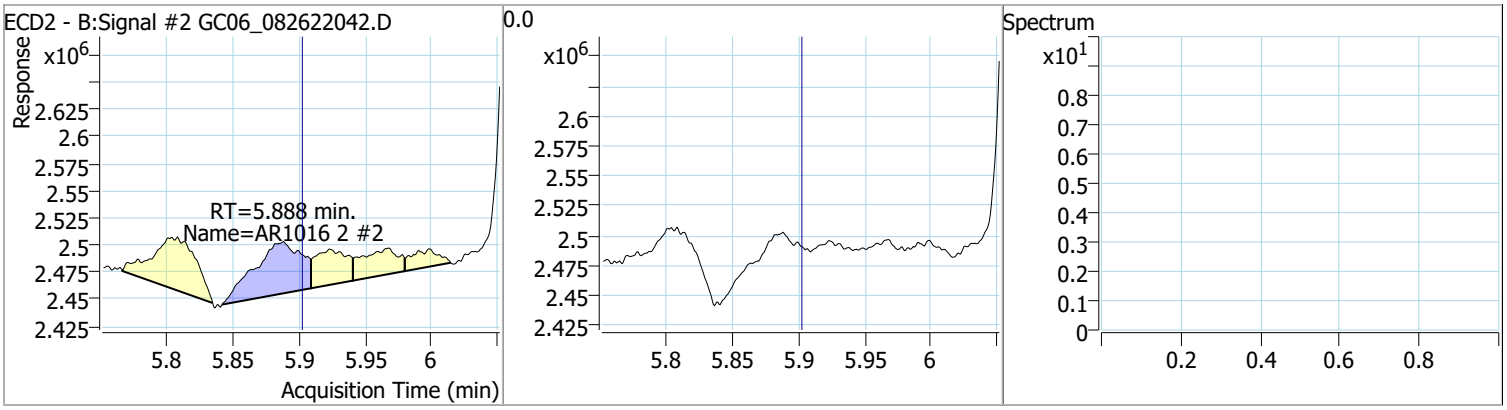
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	71.6928	5.57	0.06	545538				



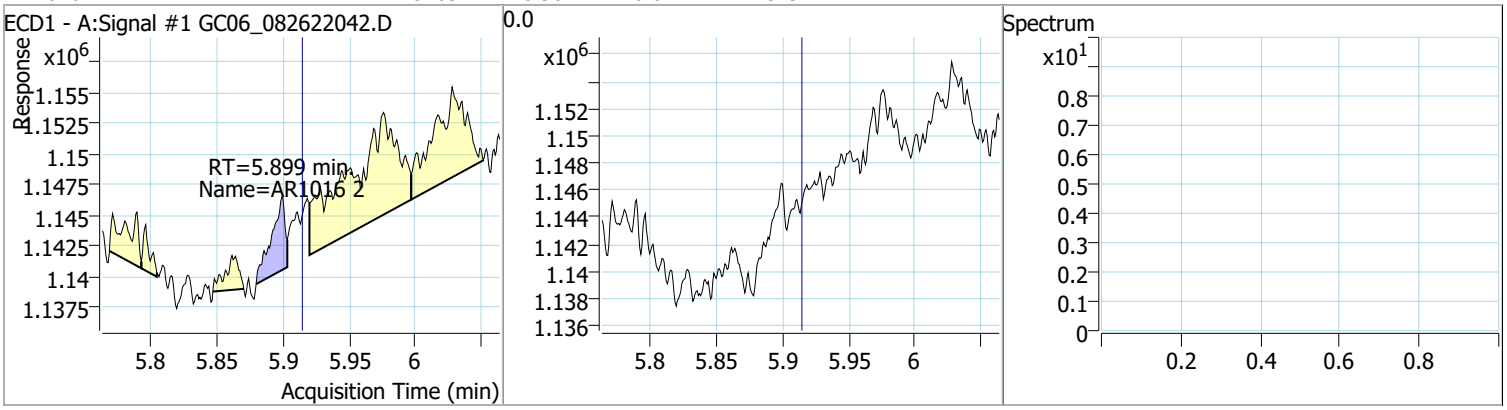
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	75.7133	5.58	0.02	111541				



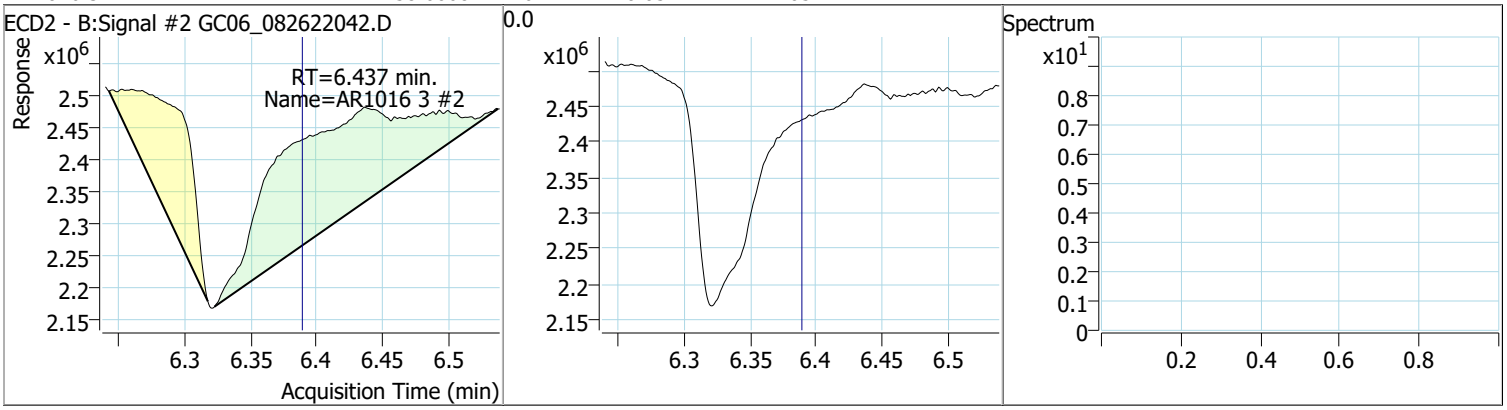
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	7.5637	5.89	-0.02	119441				



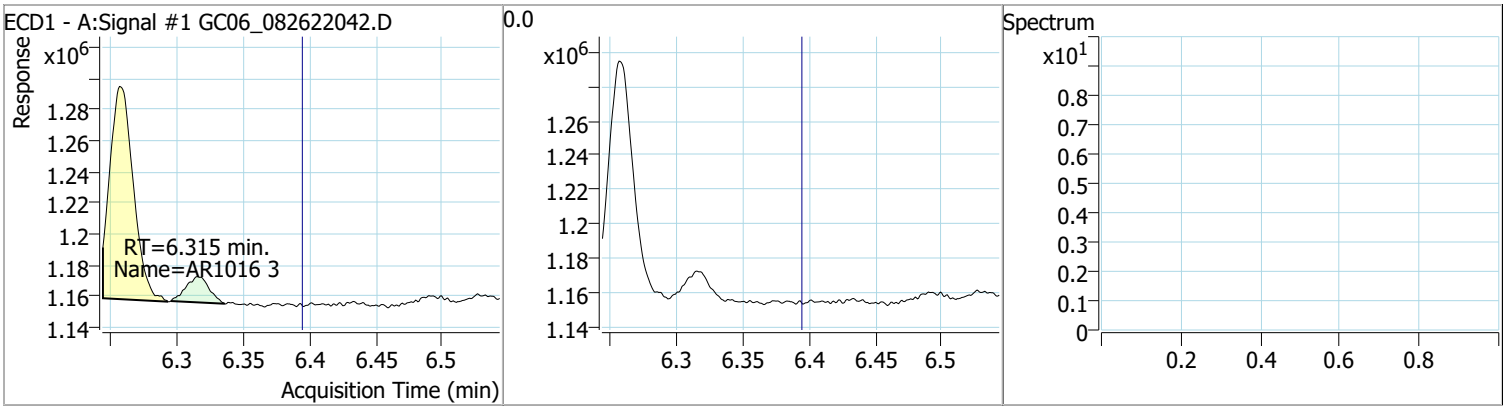
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.3463	5.90	-0.02	4319				



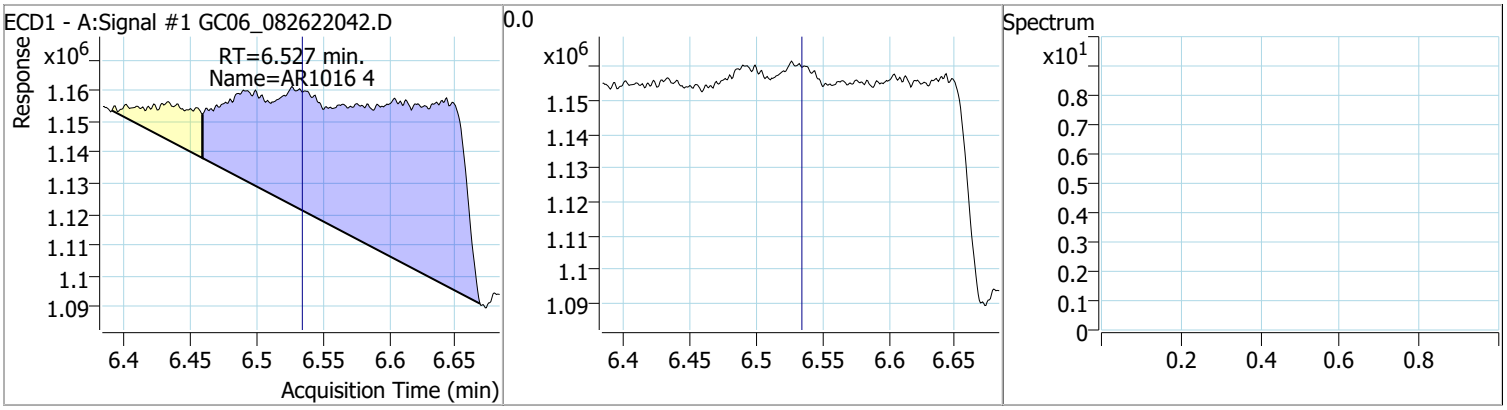
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	58.6068	6.44	0.05	1220524				



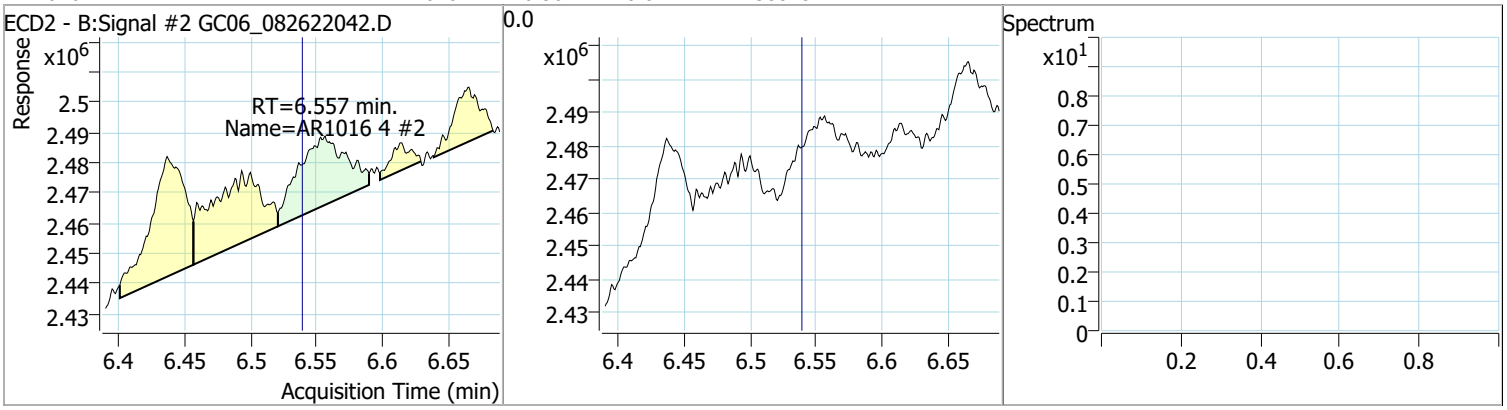
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	5.3347	6.32	-0.08	20139				



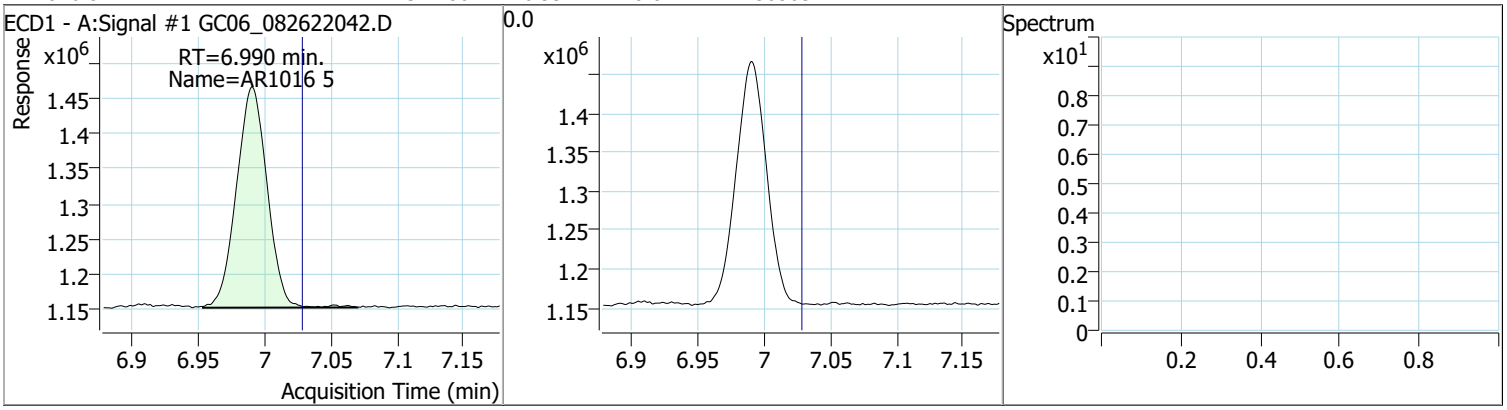
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	174.4167	6.53	-0.01	492744				



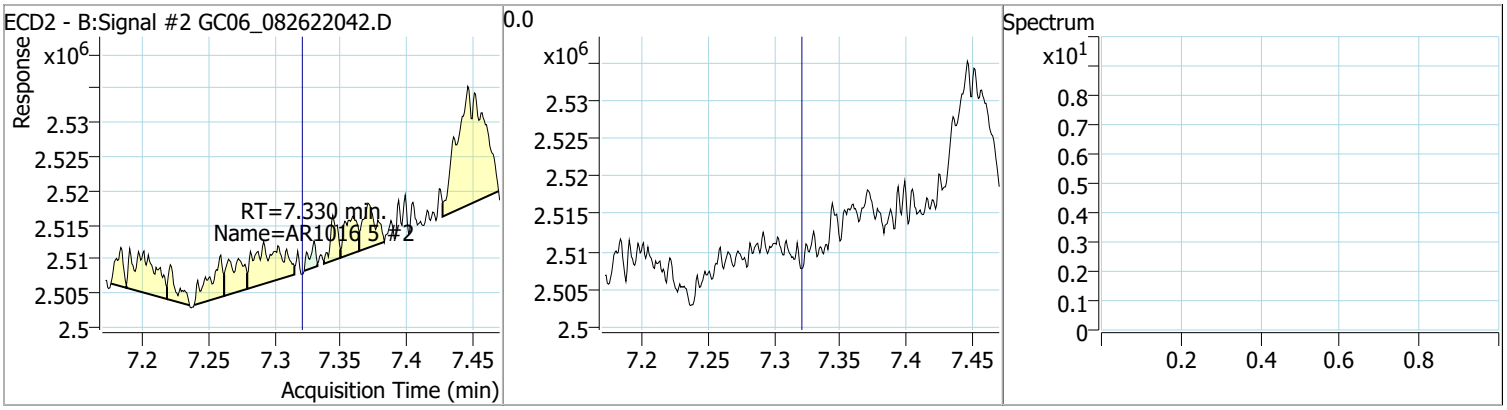
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	4.1670	6.56	0.02	58875				



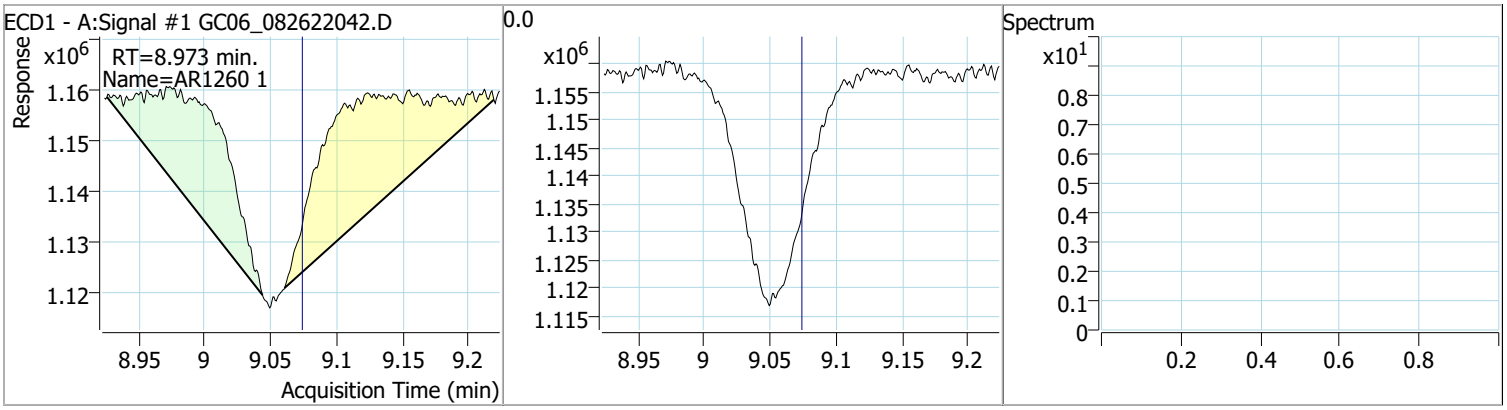
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	231.1001	6.99	-0.04	505032				



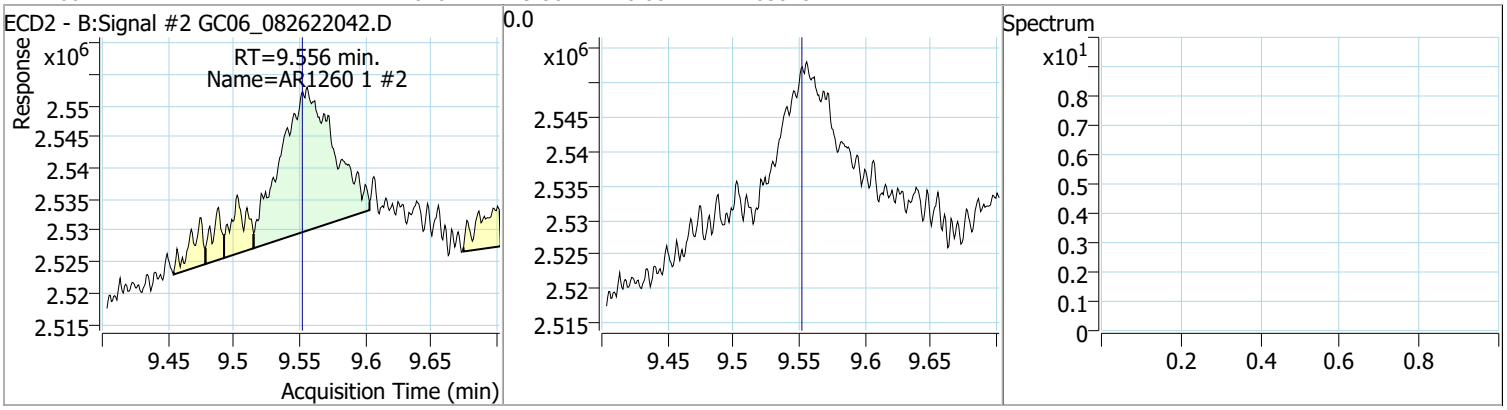
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.1149	7.33	0.01	1269				



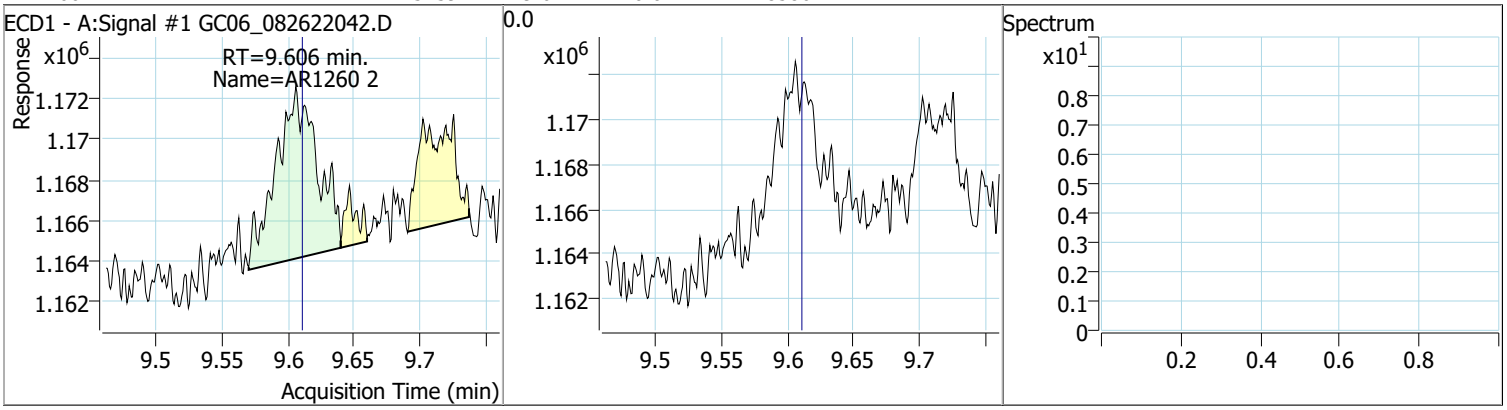
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	19.6515	8.97	-0.10	93141				



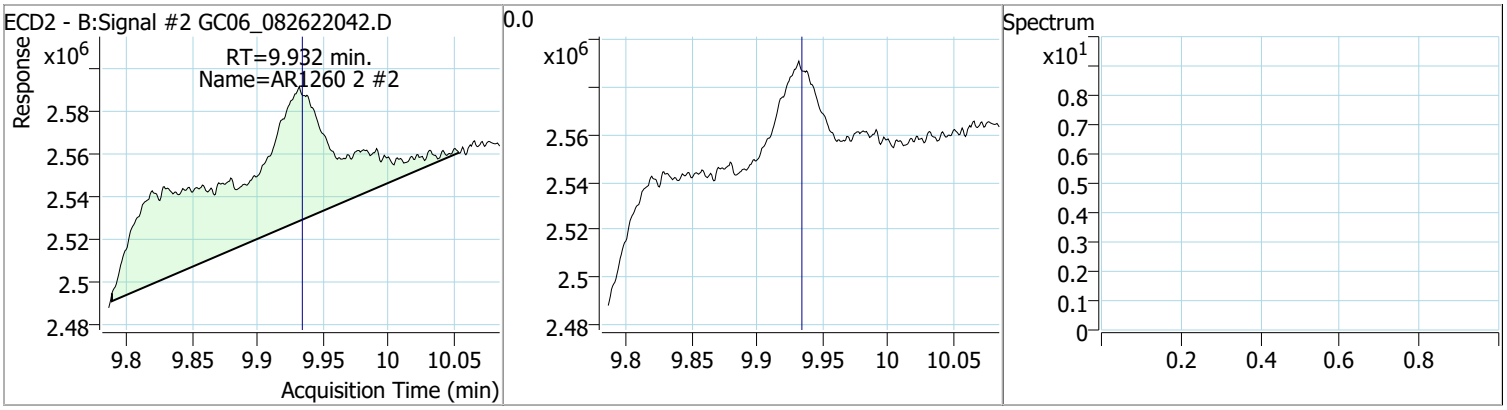
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	2.6462	9.56	0.00	65078				



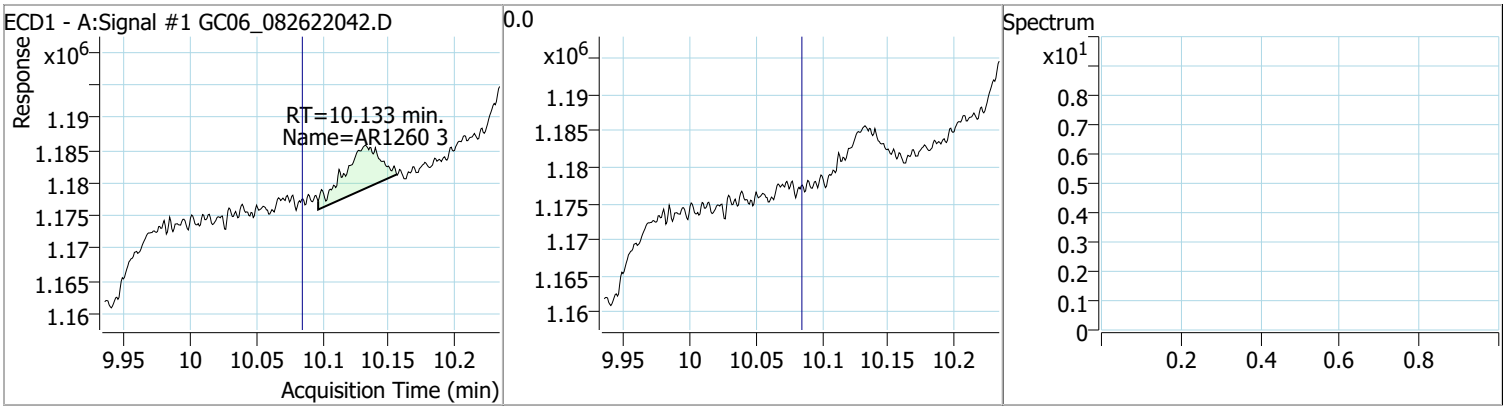
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.5459	9.61	-0.01	18586				



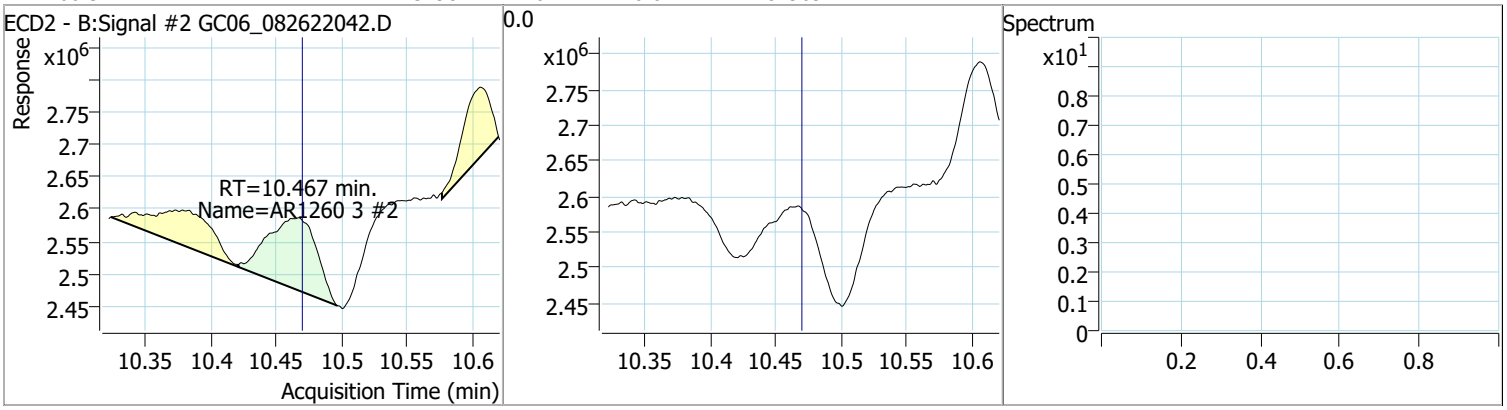
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	15.3446	9.93	-0.01	436038				



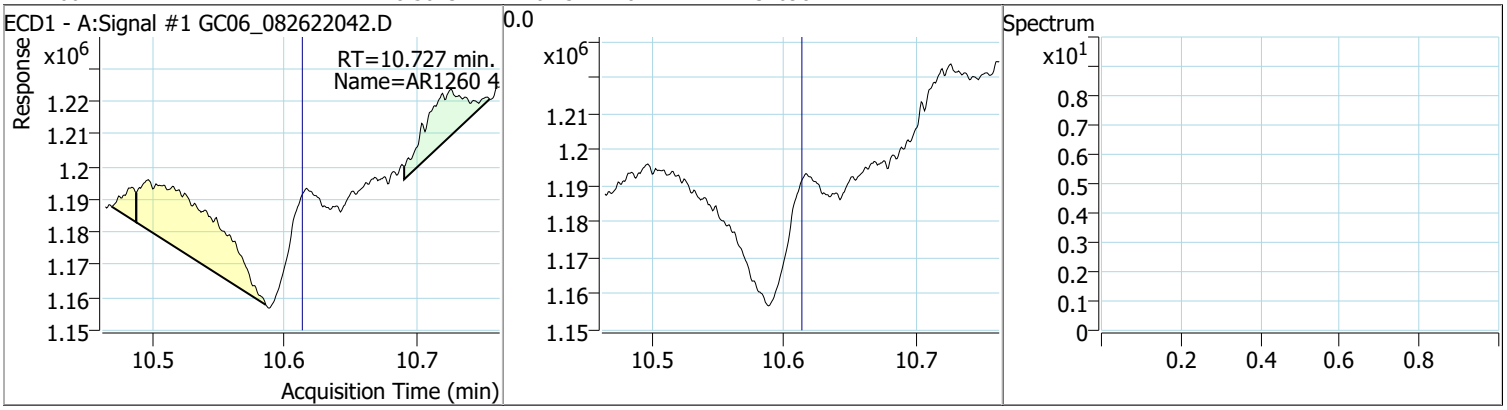
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1.6870	10.13	0.05	12803				



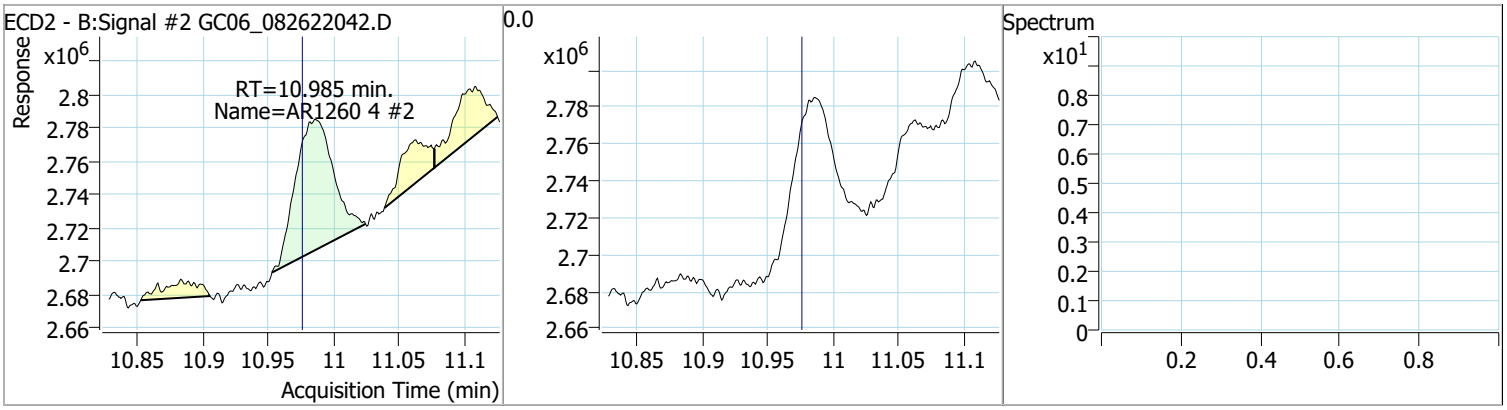
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.3798	10.47	-0.01	284909				



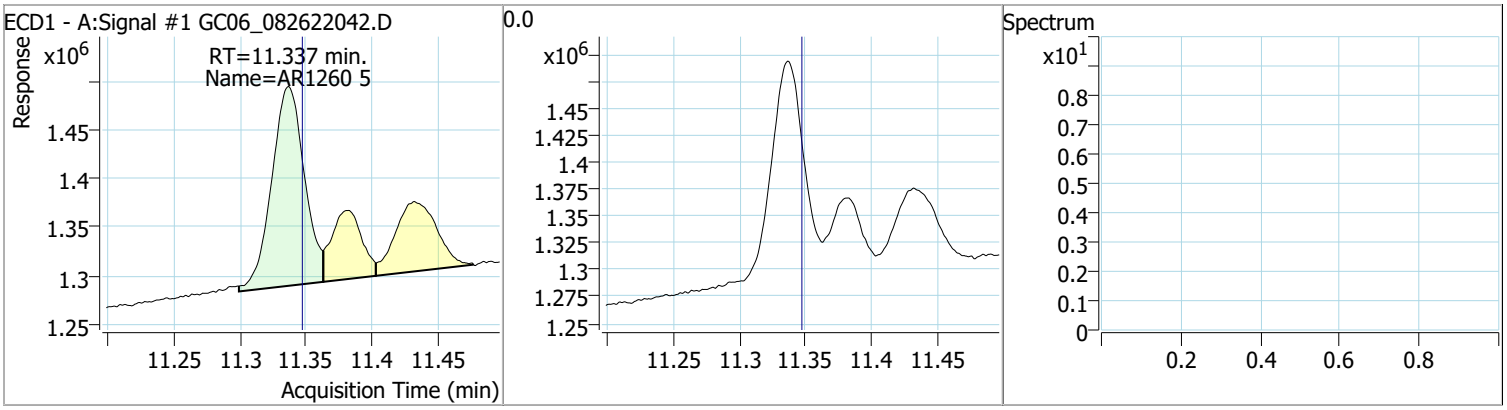
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	8.5043	10.73	0.11	32098				



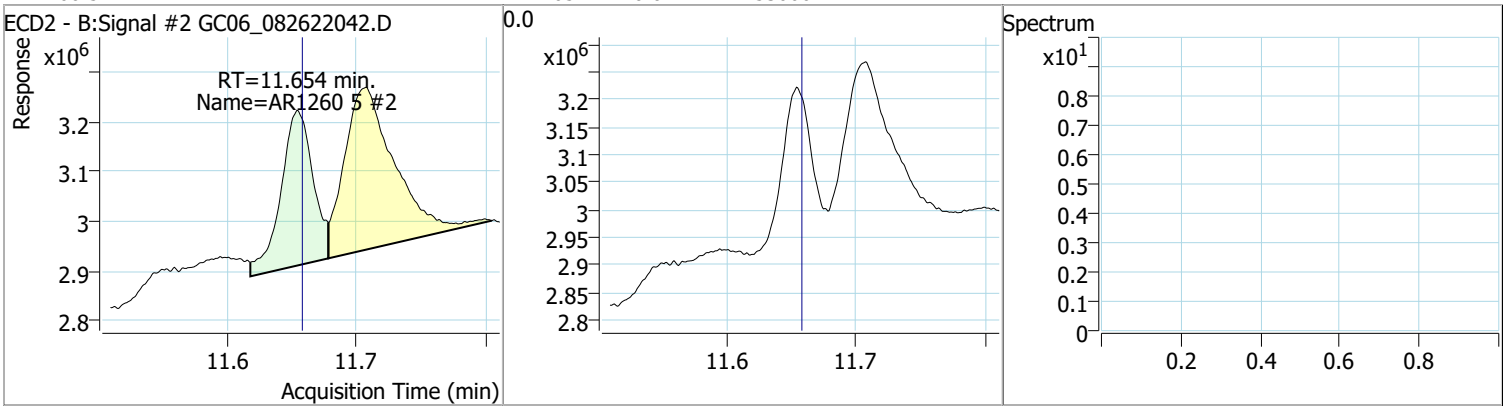
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	7.5599	10.99	0.01	157933				



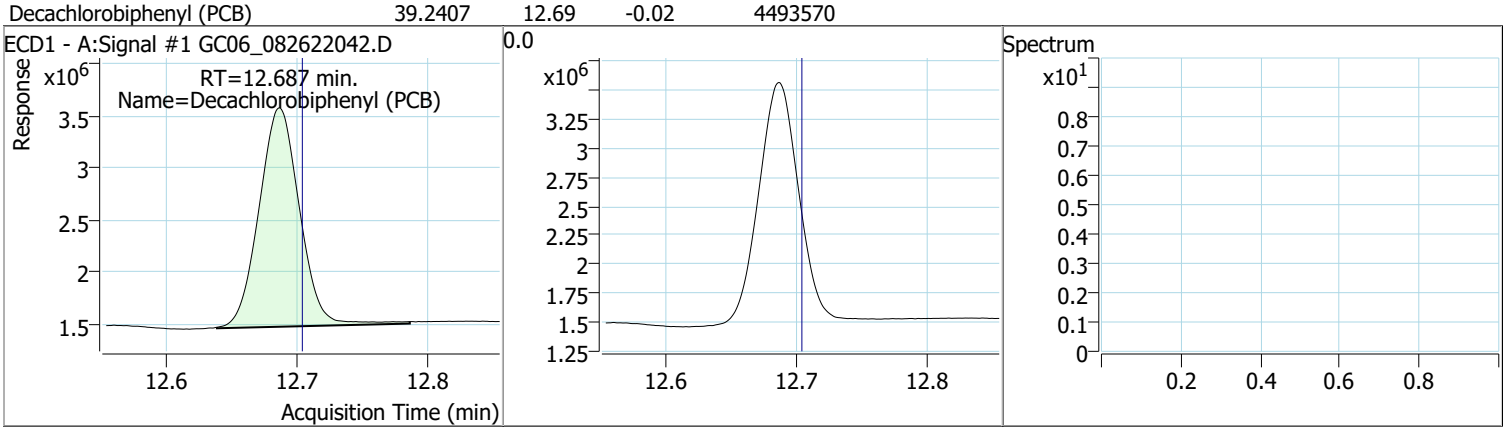
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	71.1133	11.34	-0.01	355236				



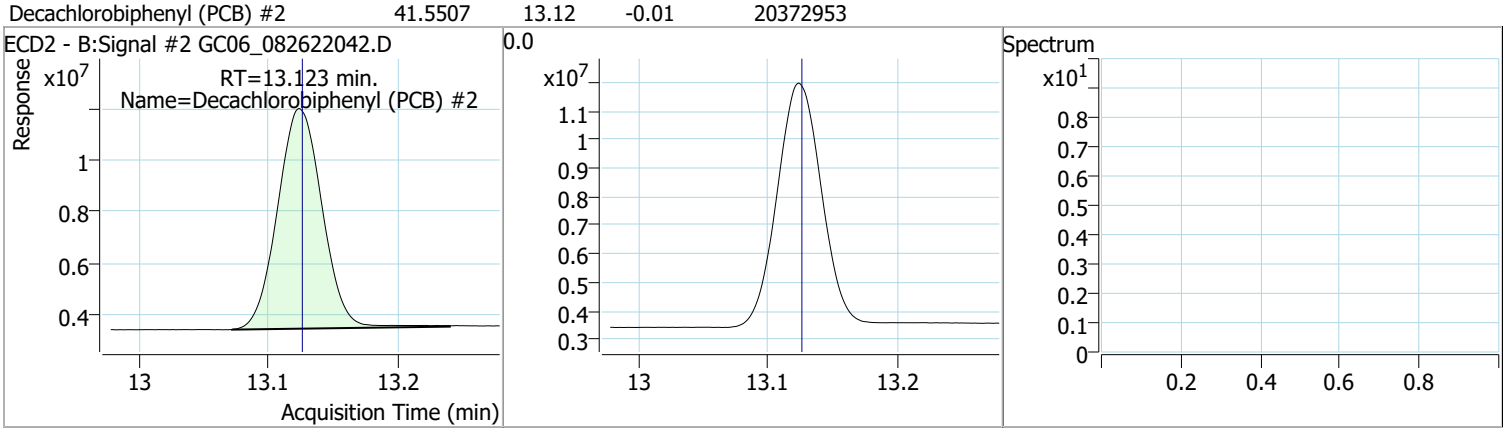
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	17.4241	11.65	-0.01	536664				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.2407	12.69	-0.02	4493570				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	41.5507	13.12	-0.01	20372953				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467872-020	Client ID:	DOOR-N-0.4GE-DG-3 TO 17-220823-P-LA
Seqnum:	452343556062	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622062	Batch:	295631	Time:	27-AUG-2022 07:31
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	62.09	~~1.2~~ ~~FP~~	0.54	78%	1.0		x u
Aroclor-1016 Peak # 1	A	73.53	1.47	1.26	16%			
Aroclor-1016 Peak # 2	A	0.9422	0.02	0.49	185%			
Aroclor-1016 Peak # 3	A	6.221	0.12	0.62	133%			
Aroclor-1016 Peak # 4	A	135.3	2.71	0.18	175%			
Aroclor-1016 Peak # 5	A	94.41	1.89	0.17	166%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	24.67	ND	0.15	107%	1.0		c+ u
Aroclor-1260 Peak # 1	A	30.73	0.61	0.21	97%			
Aroclor-1260 Peak # 2	A	8.555	0.17	0.08	74%			
Aroclor-1260 Peak # 3	A	4.871	0.10	0.15	40%			
Aroclor-1260 Peak # 4	A	35.83	0.72	0.20	113%			
Aroclor-1260 Peak # 5	A	43.37	0.87	0.11	156%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	48.47	1.000	0.9693	97	52-186	c+ u
Decachlorobiphenyl (PCB)	A	37.66	1.000	0.7532	75	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622054)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9640442	10913104	13.20
1-bromo-2-nitrobenzene (PCB)	A	1993573	2014615	1.06

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

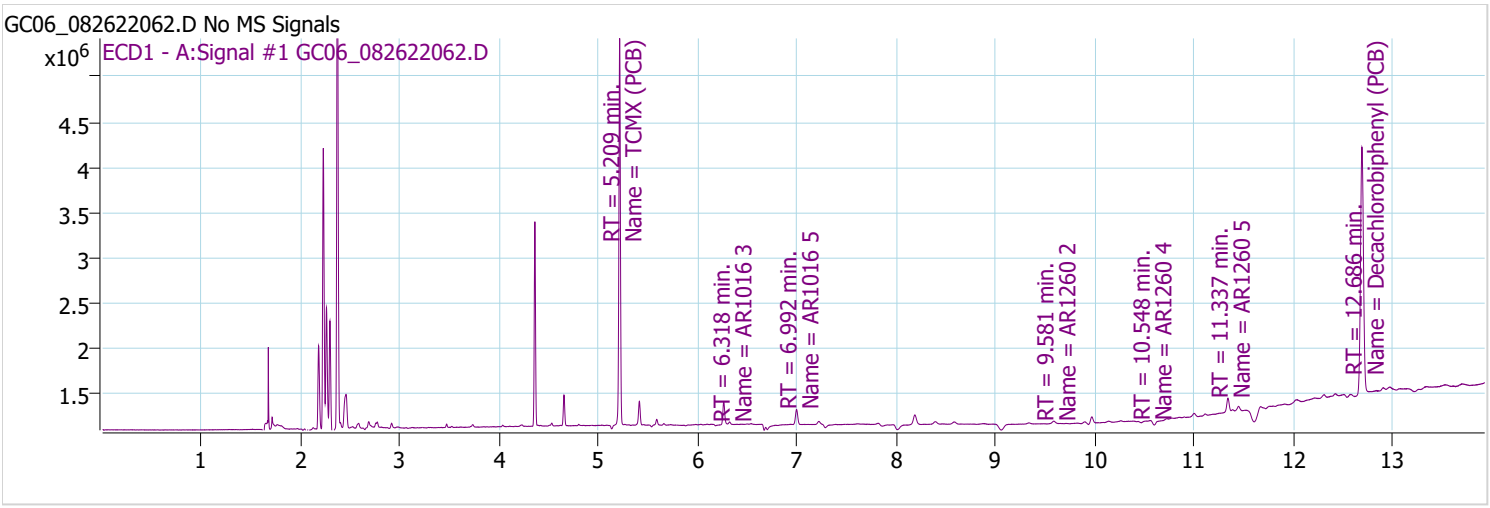
ISTD (CCV gc06_082622054)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.12	4.12	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

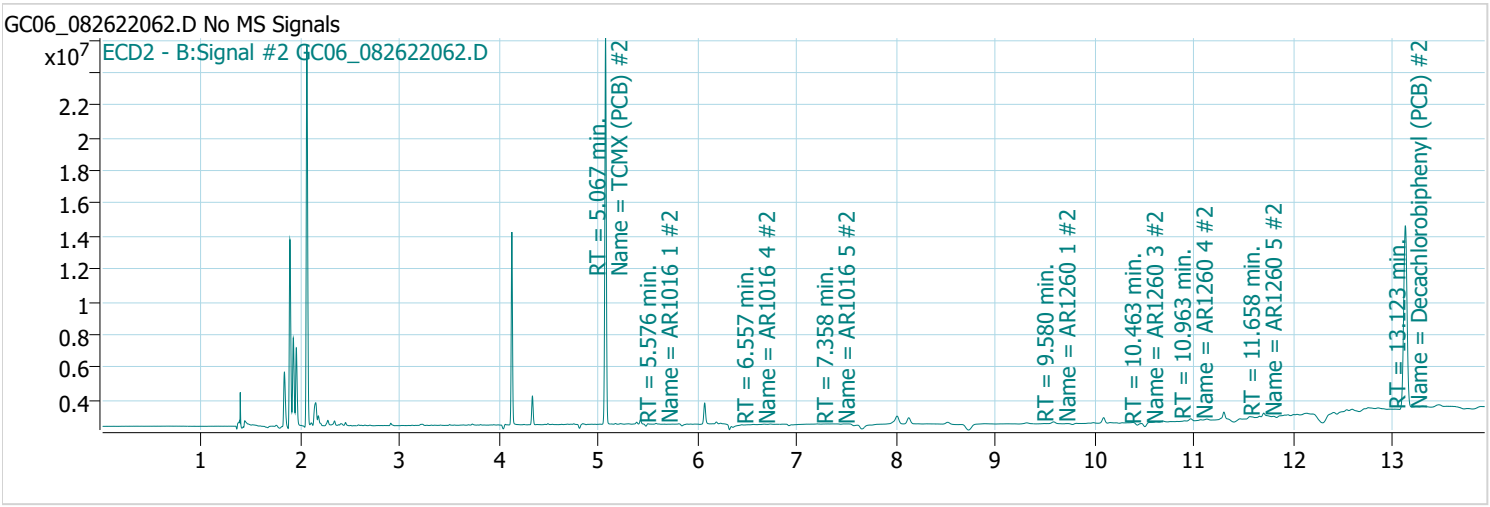
Analyst: TRN 08/29/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622062.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/27/2022 7:31:17 AM
Sample Name	467872-020, 295631, 1	Instrument	SVOA-GC06
Vial	33	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



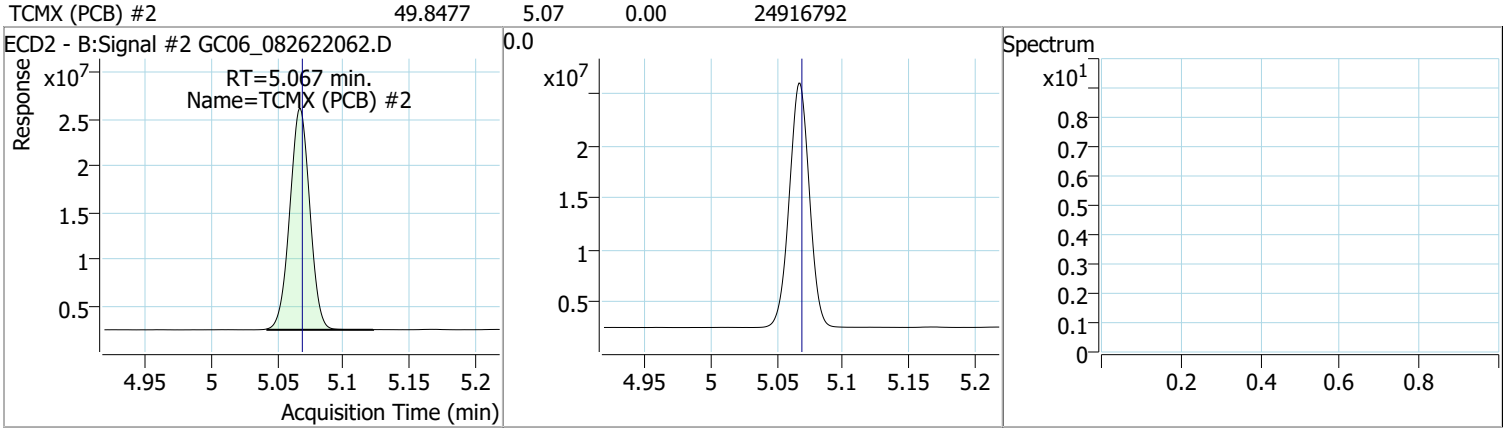


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	10913103.521	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB)	4.355	0.0	2014614.993	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB) #2	5.067	0.0	24916791.628	49.8477	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 249.24%		*	
S TCMX (PCB)	5.209	0.0	4695442.623	48.4547	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 242.27%		*	
S Decachlorobiphenyl (PCB)	12.686	0.0	5767520.738	37.6520	ng/ml		-0.020
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.26%		*	
S Decachlorobiphenyl (PCB) #2	13.123	0.0	26491032.616	40.2282	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 201.14%		*	
Target Compounds							QValue

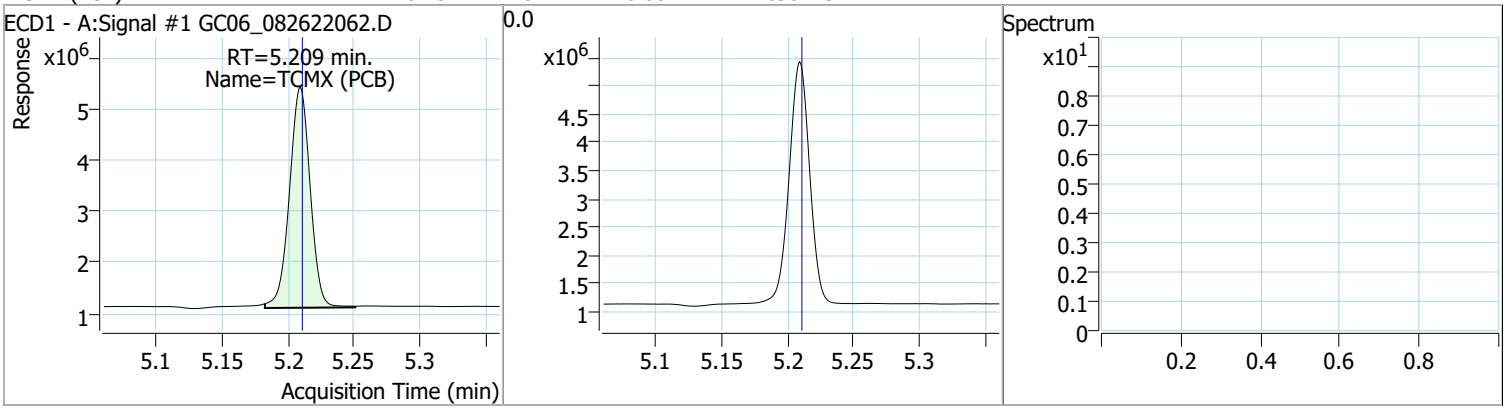
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.576	0.0	641665.419	62.7866	ng/ml	100
T AR1016 1	5.583	0.0	144858.239	73.5079	ng/ml	100
T AR1016 2 #2	5.928	0.0	515849.529	24.3227	ng/ml	100
T AR1016 2	5.853	0.0	4041.722	0.9419	ng/ml	100
T AR1016 3 #2	6.504	0.0	864214.842	30.8980	ng/ml	100
T AR1016 3	6.318	0.0	31408.472	6.2196	ng/ml	100
T AR1016 4	6.532	0.0	511313.490	135.3030	ng/ml	100
T AR1016 4 #2	6.557	0.0	173747.156	9.1563	ng/ml	100
T AR1016 5	6.992	0.0	275919.716	94.3881	ng/ml	100
T AR1016 5 #2	7.358	0.0	128475.666	8.6599	ng/ml	100
T AR1260 1	9.158	0.0	194773.623	30.7211	ng/ml	100
T AR1260 1 #2	9.580	0.0	350566.354	10.6137	ng/ml	100
T AR1260 2	9.581	0.0	83516.474	8.5525	ng/ml	100
T AR1260 2 #2	9.982	0.0	149973.588	3.9297	ng/ml	100
T AR1260 3	10.137	0.0	49433.590	4.8696	ng/ml	100
T AR1260 3 #2	10.463	0.0	376816.007	7.2673	ng/ml	100
T AR1260 4	10.548	0.0	180834.881	35.8181	ng/ml	100
T AR1260 4 #2	10.963	0.0	279659.644	9.9674	ng/ml	100
T AR1260 5	11.337	0.0	289735.101	43.3599	ng/ml	100
T AR1260 5 #2	11.658	0.0	221462.034	5.3537	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

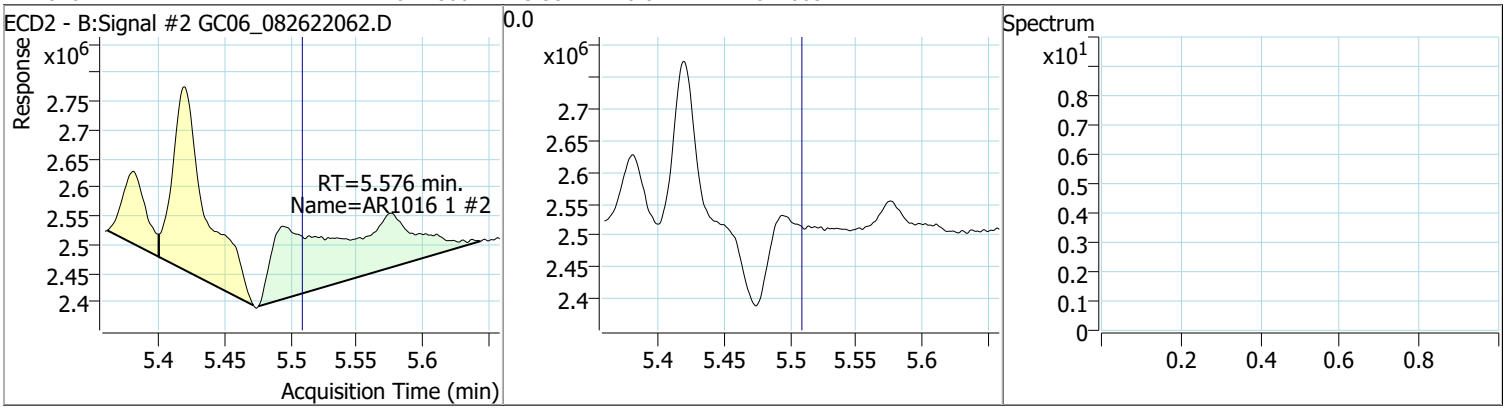
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	49.8477	5.07	0.00	24916792				



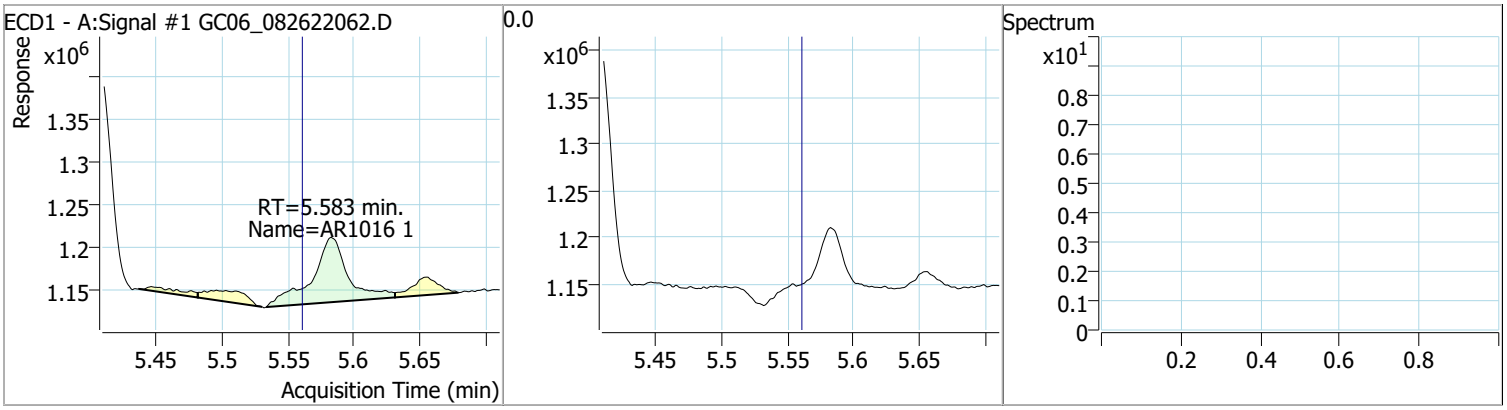
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	48.4547	5.21	0.00	4695443				



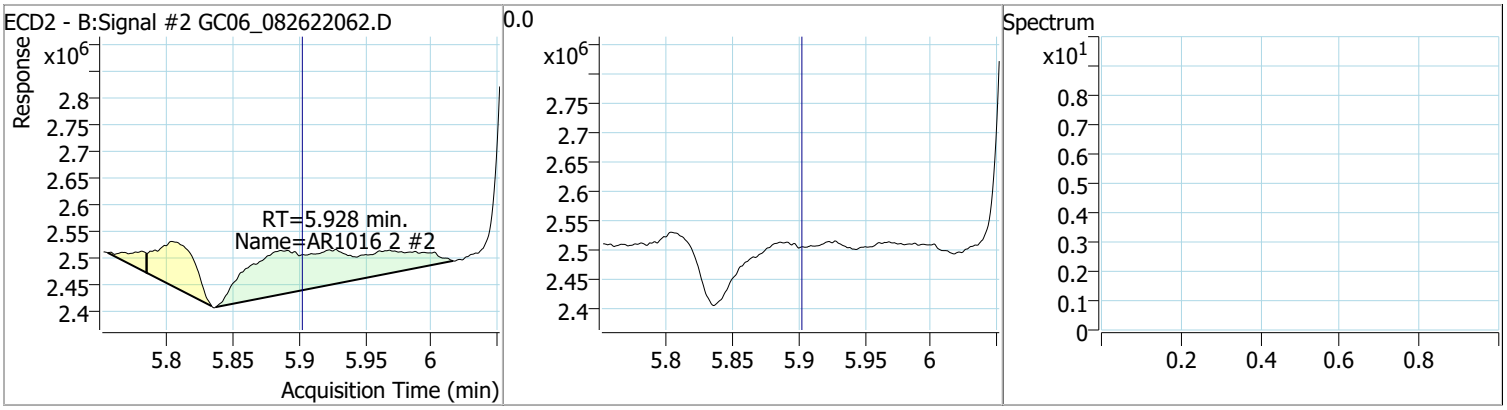
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	62.7866	5.58	0.07	641665				



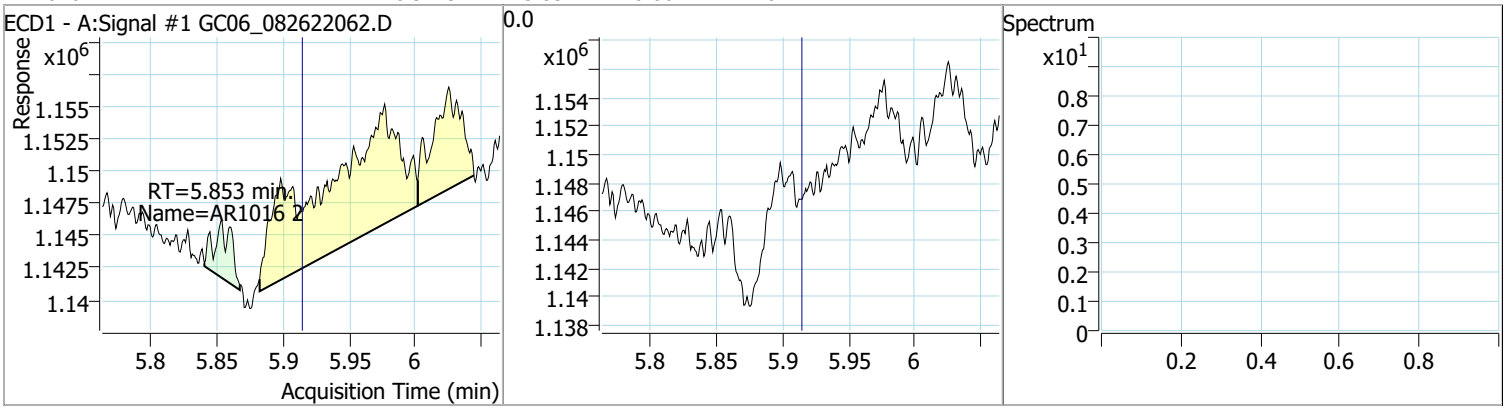
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	73.5079	5.58	0.02	144858				



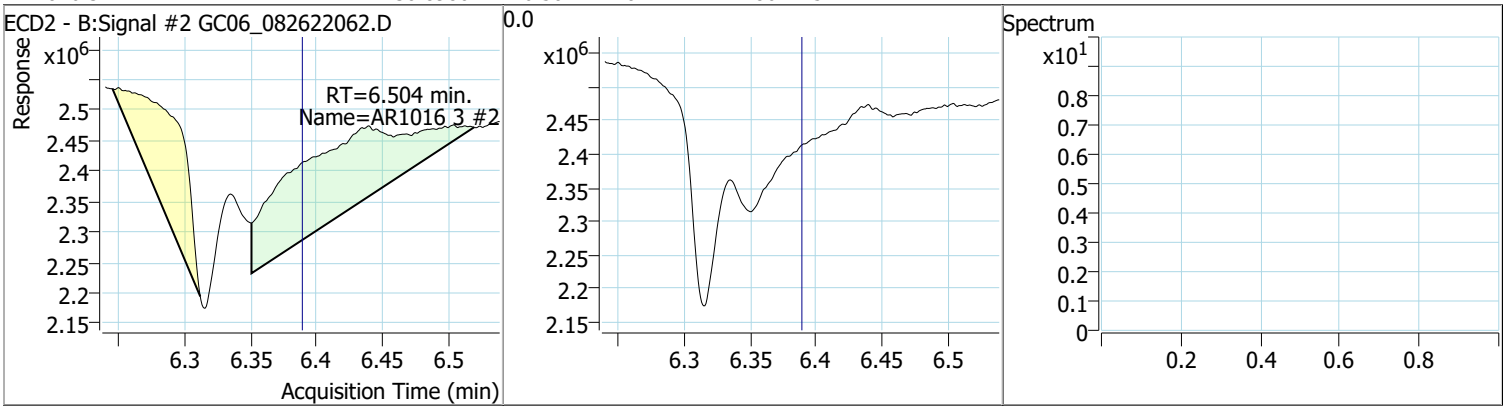
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	24.3227	5.93	0.02	515850				



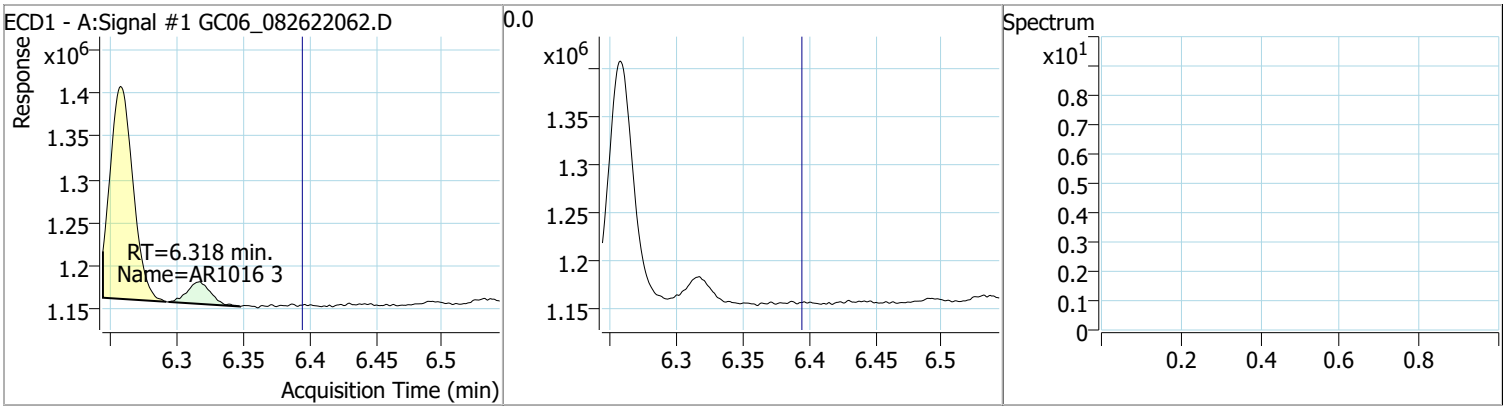
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.9419	5.85	-0.06	4042				



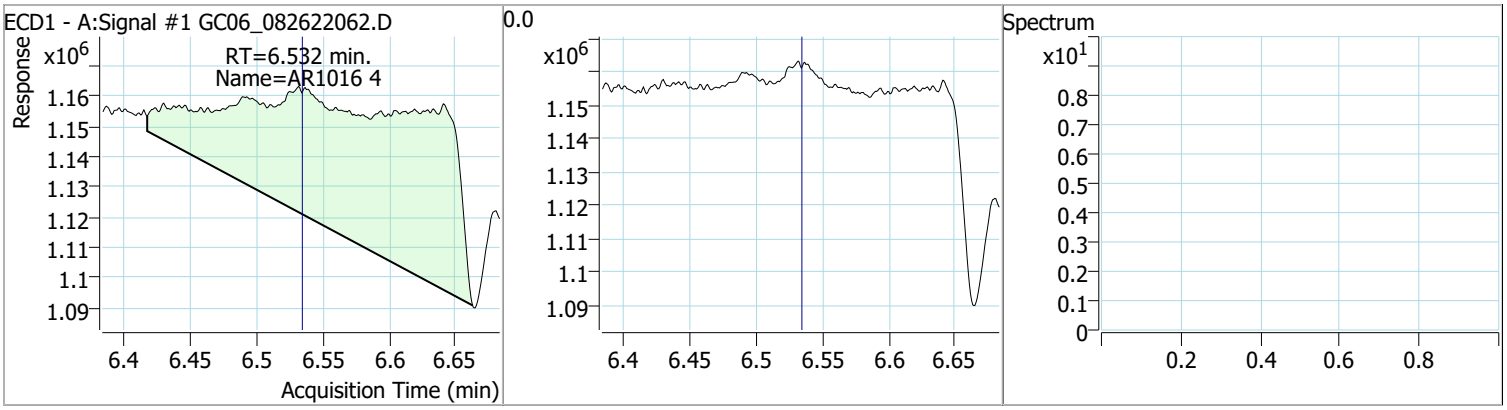
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	30.8980	6.50	0.11	864215				



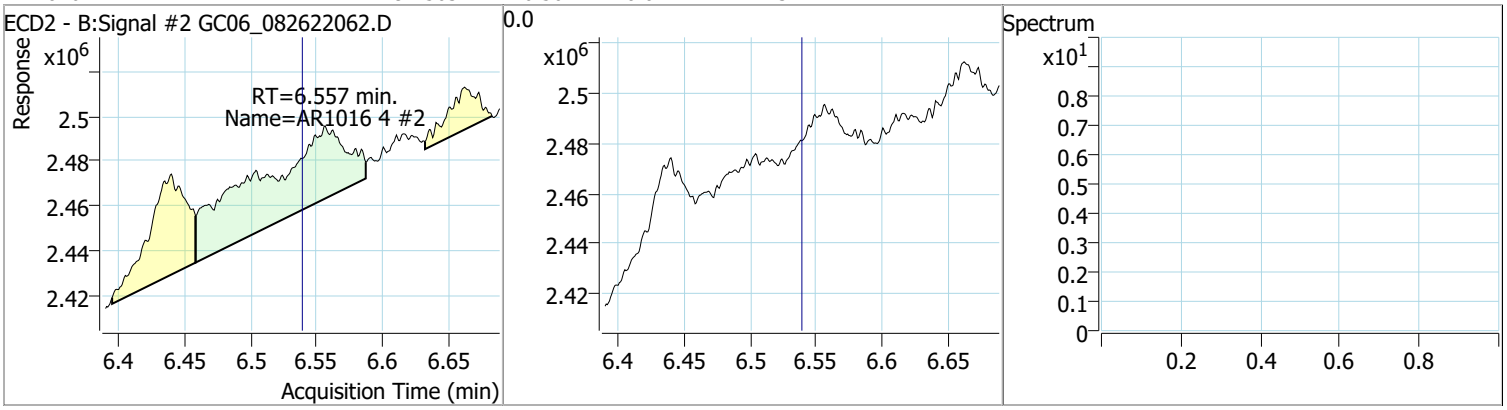
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	6.2196	6.32	-0.08	31408				



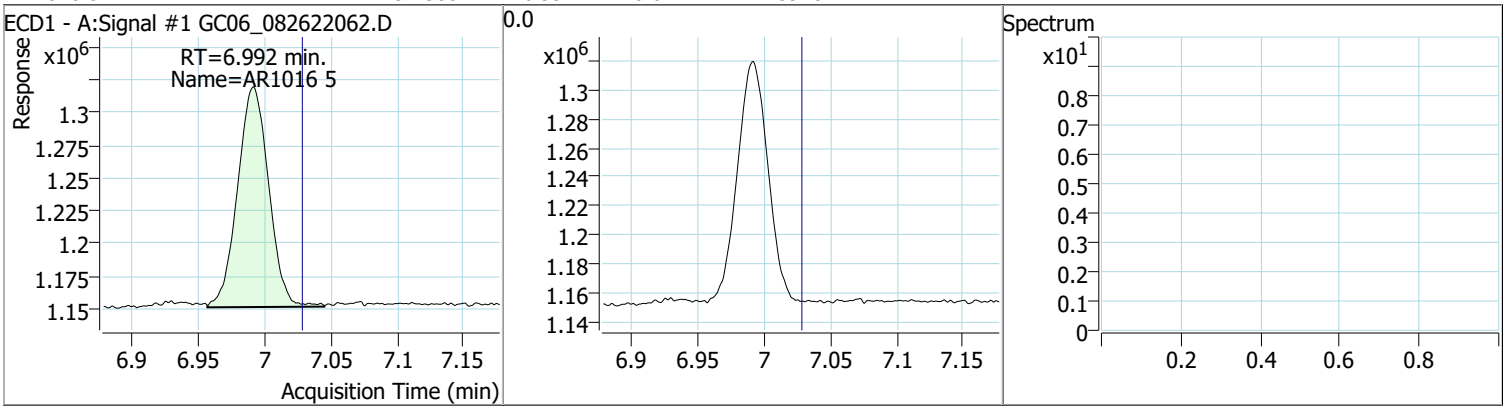
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	135.3030	6.53	0.00	511313				



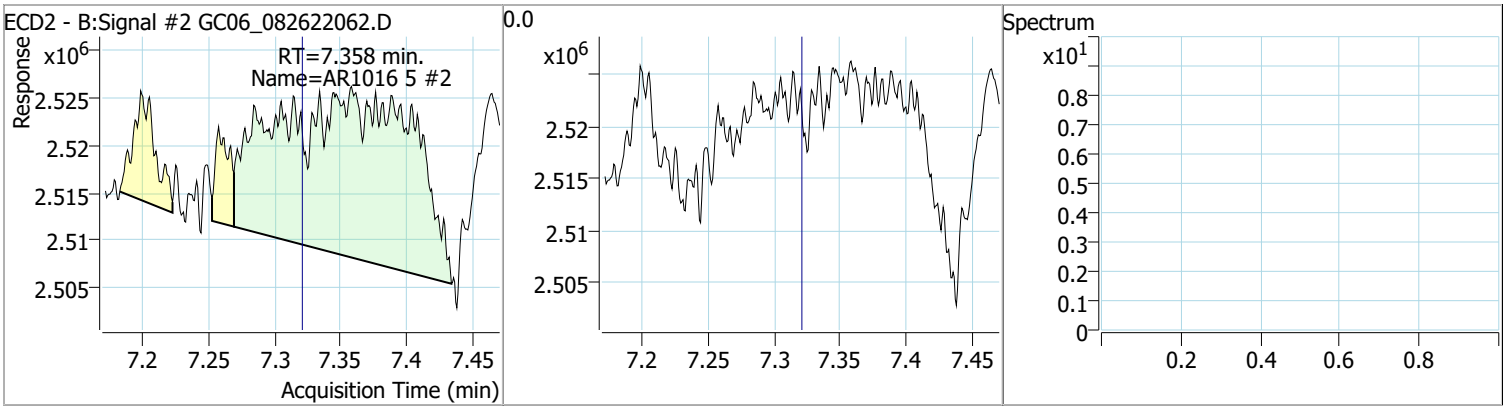
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	9.1563	6.56	0.02	173747				



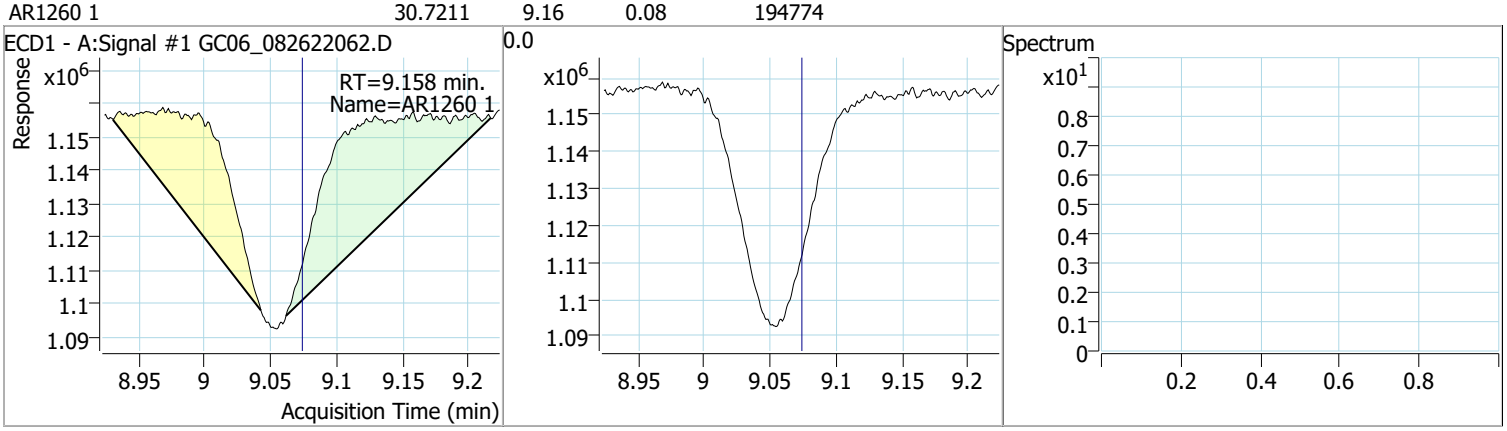
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	94.3881	6.99	-0.04	275920				



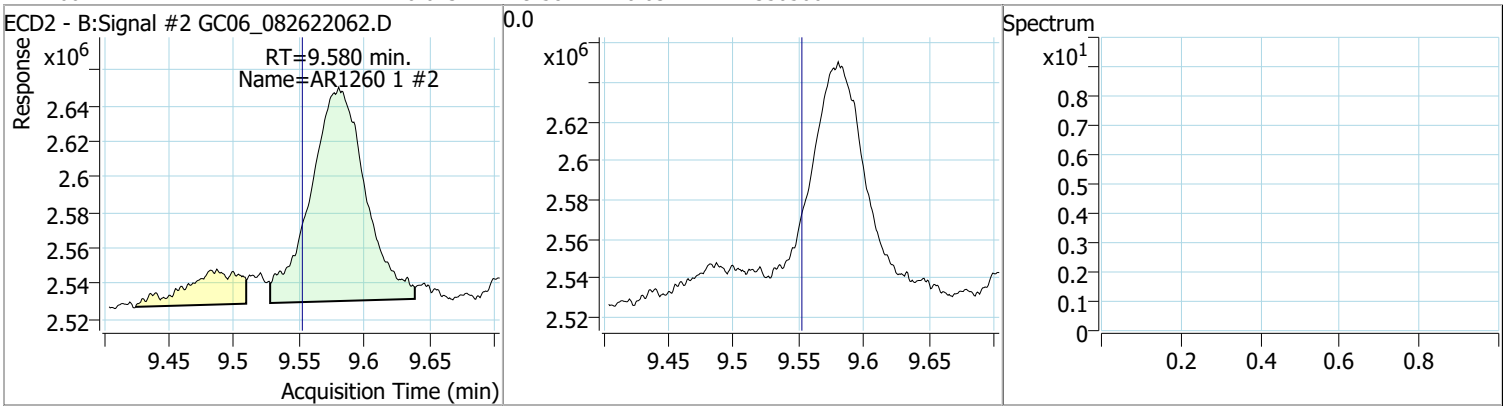
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	8.6599	7.36	0.04	128476				



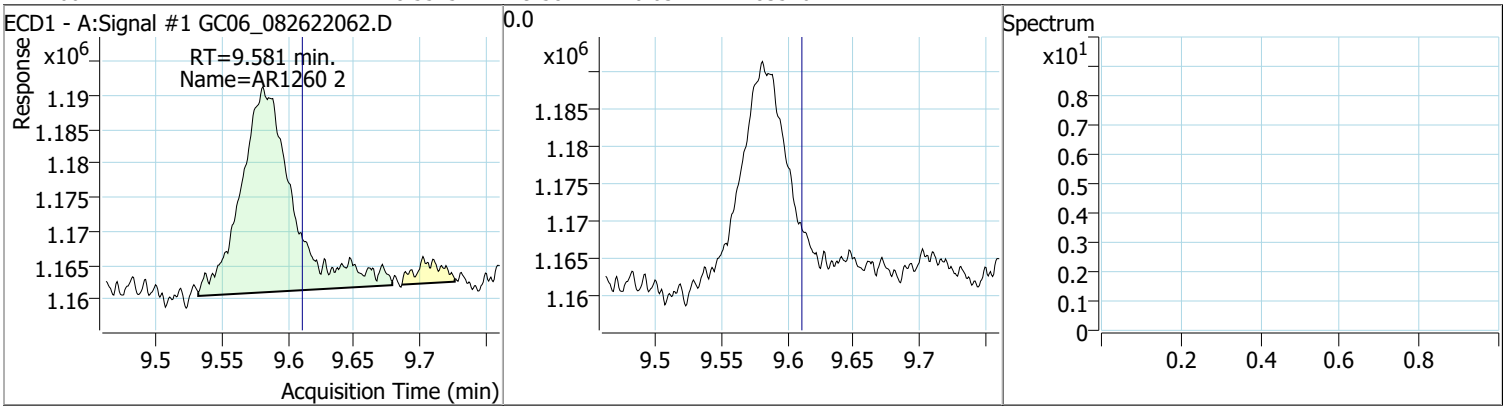
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	30.7211	9.16	0.08	194774				



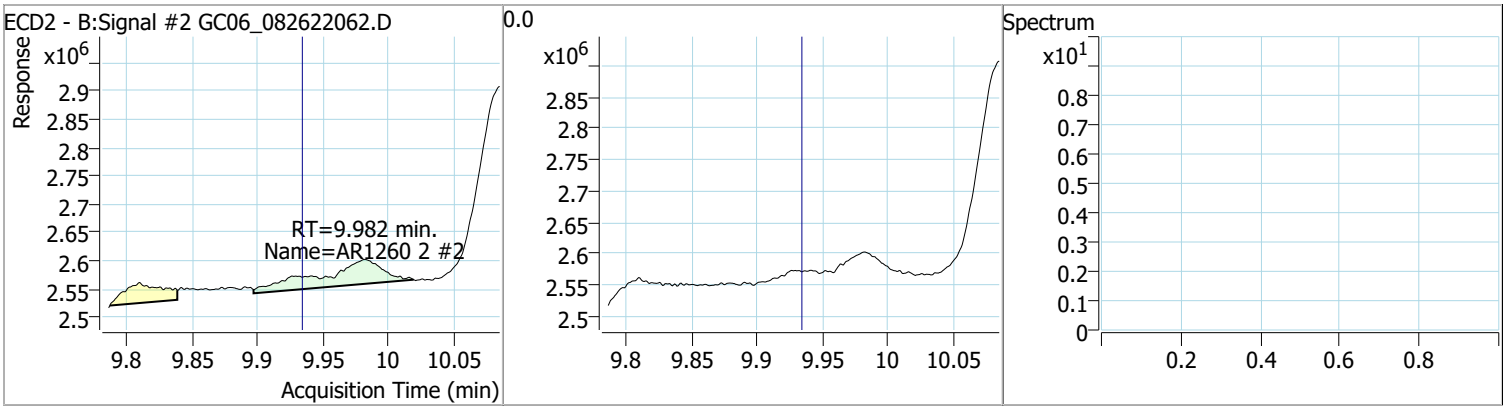
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	10.6137	9.58	0.03	350566				



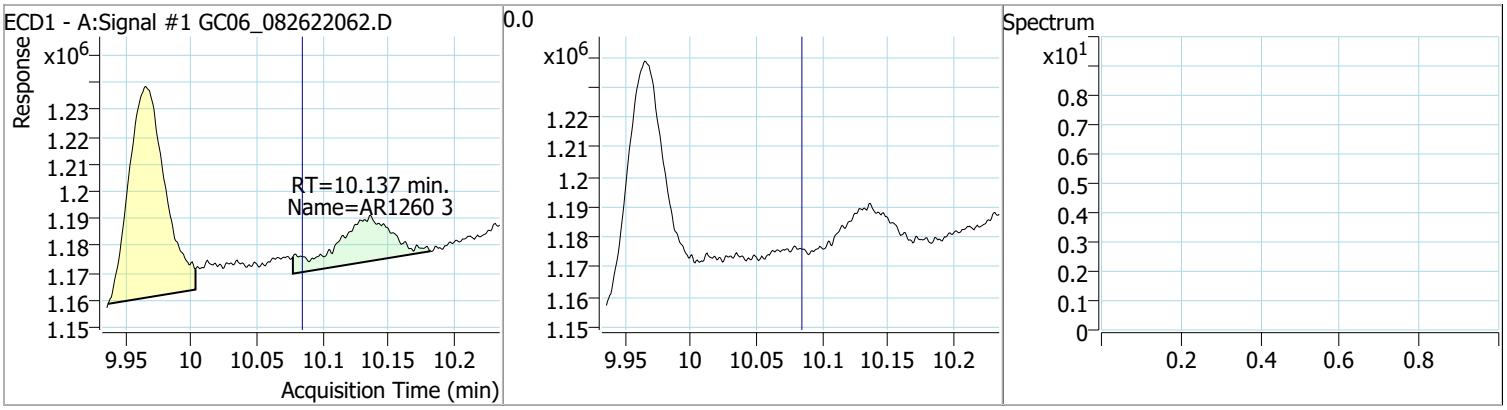
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	8.5525	9.58	-0.03	83516				



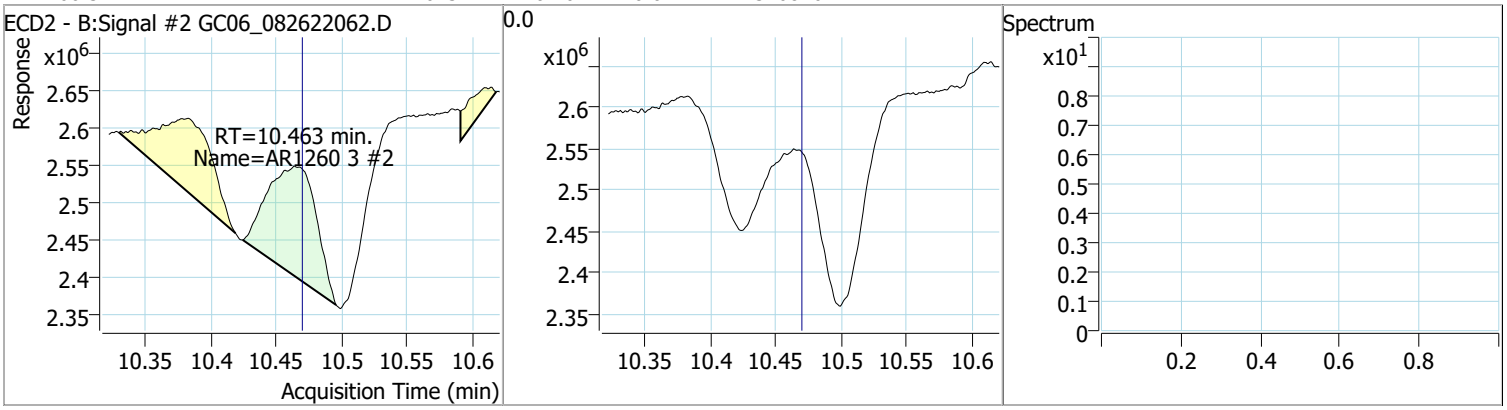
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.9297	9.98	0.04	149974				



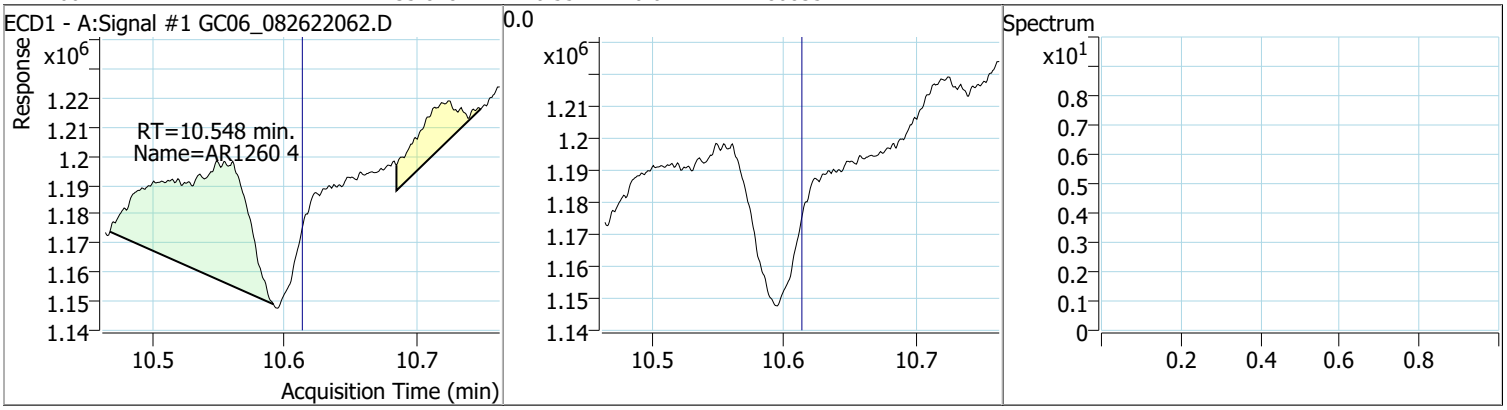
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	4.8696	10.14	0.05	49434				



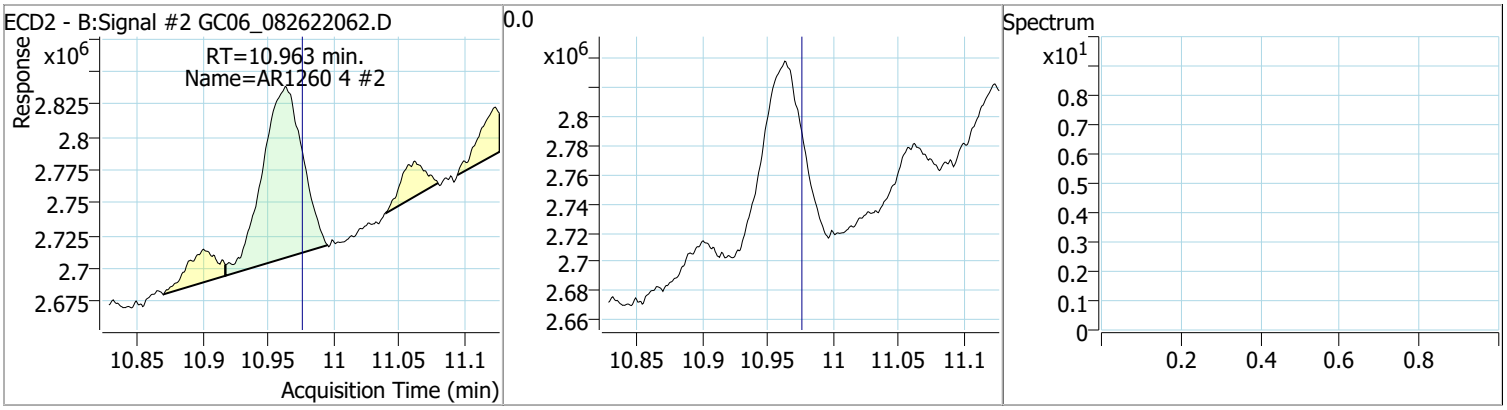
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.2673	10.46	-0.01	376816				



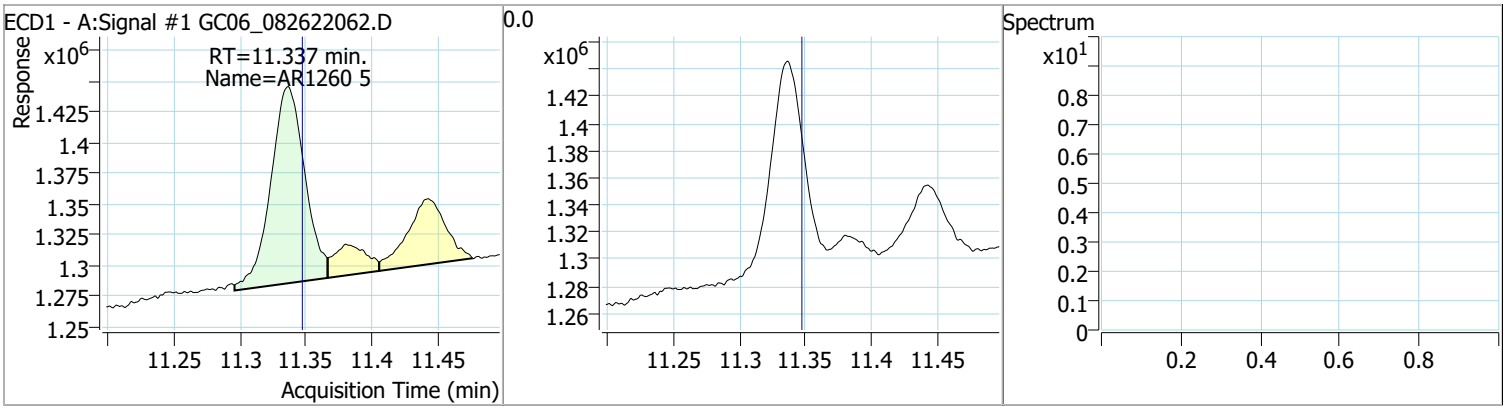
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	35.8181	10.55	-0.07	180835				



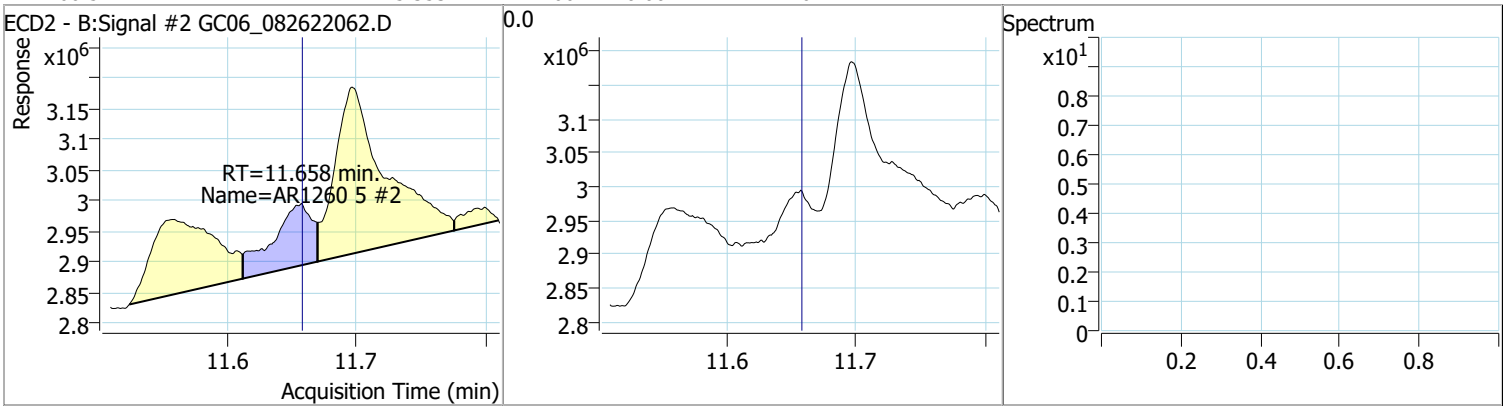
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	9.9674	10.96	-0.02	279660				



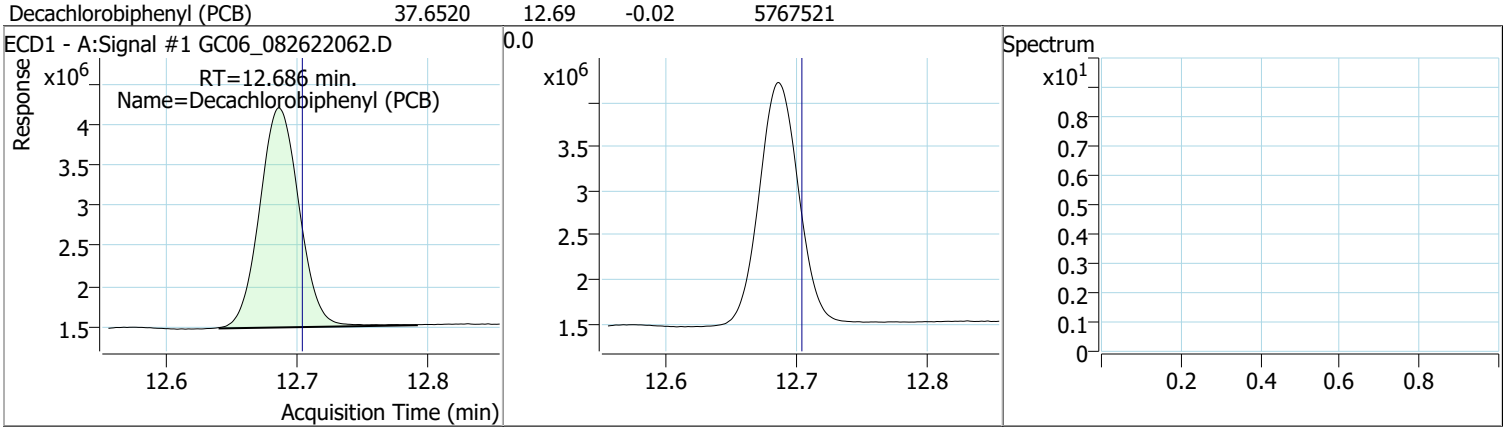
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	43.3599	11.34	-0.01	289735				



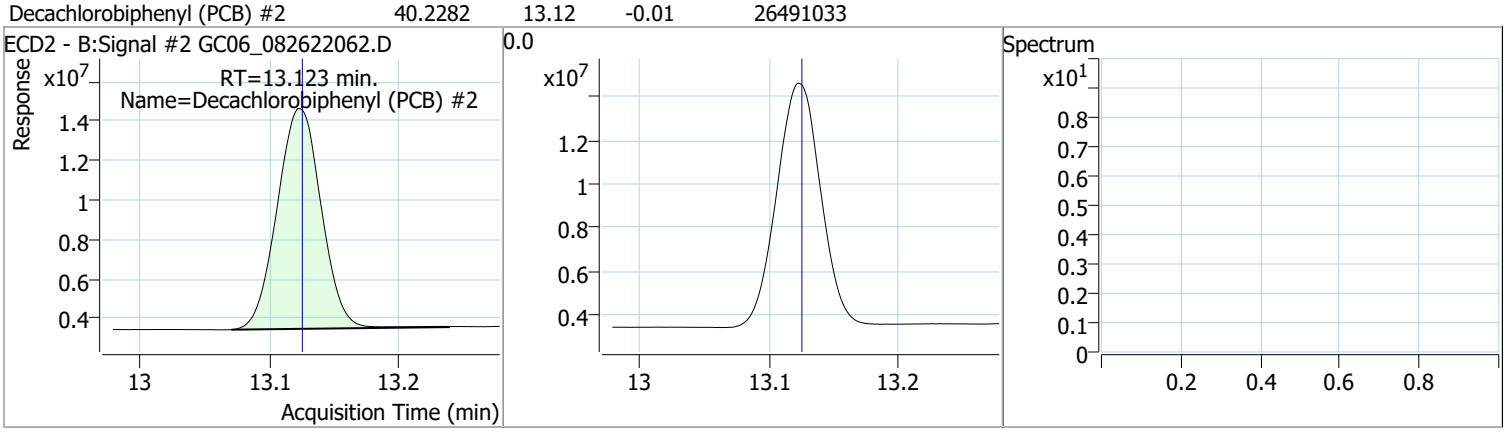
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	5.3537	11.66	0.00	221462				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	37.6520	12.69	-0.02	5767521				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	40.2282	13.12	-0.01	26491033				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467872-022	Client ID:	DOOR-N-0.4GE-EXT-2 TO 3-220823-P-CB
Seqnum:	452343556063	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622063	Batch:	295631	Time:	27-AUG-2022 07:48
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	51.63	~~1.0~~ ~~FP~~	0.30	109%	1.0		x u
Aroclor-1016 Peak # 1	A	64.96	1.30	0.95	31%			
Aroclor-1016 Peak # 2	A	1.391	0.03	0.36	172%			
Aroclor-1016 Peak # 3	A	9.963	0.20	0.05	117%			
Aroclor-1016 Peak # 4	A	78.07	1.56	0.12	171%			
Aroclor-1016 Peak # 5	A	103.8	2.08	0.03	194%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	17.29	ND	0.23	41%	1.0		c+ u
Aroclor-1260 Peak # 1	A	19.01	0.38	0.13	100%			
Aroclor-1260 Peak # 2	A	2.943	0.06	0.27	128%			
Aroclor-1260 Peak # 3	A	3.070	0.06	0.14	80%			
Aroclor-1260 Peak # 4	A	37.91	0.76	0.10	154%			
Aroclor-1260 Peak # 5	A	23.51	0.47	0.51	8%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	52.35	1.000	1.047	105	52-186	c+ u
Decachlorobiphenyl (PCB)	A	37.92	1.000	0.7585	76	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622054)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9640442	11468342	18.96
1-bromo-2-nitrobenzene (PCB)	A	1993573	2043107	2.48

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

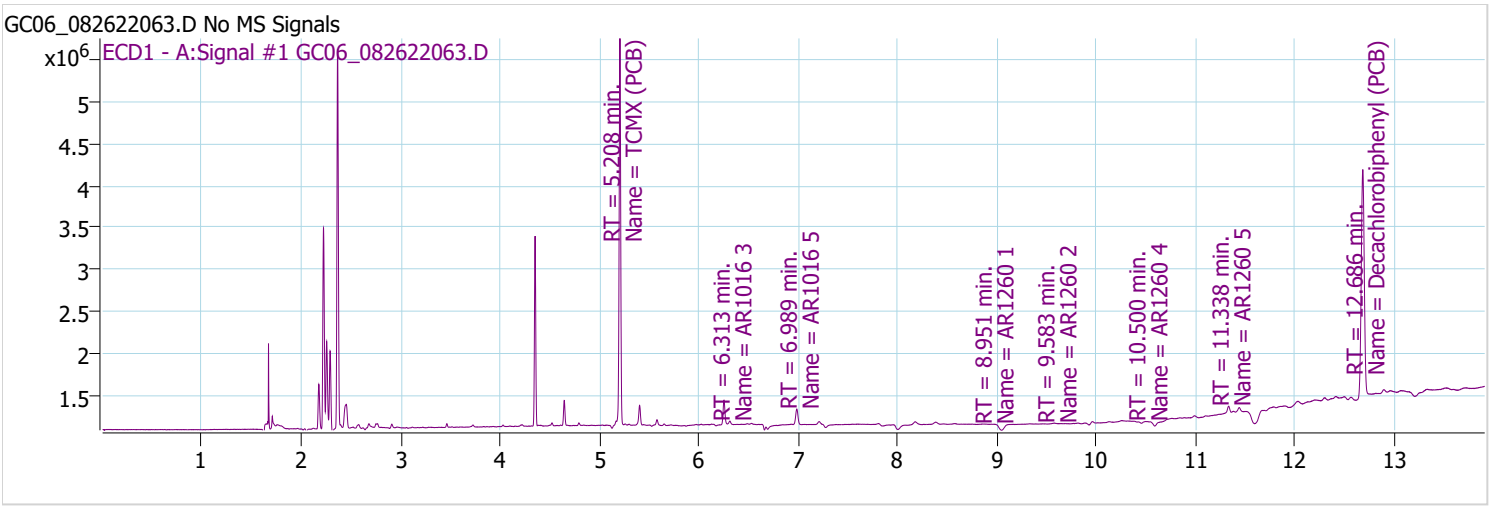
ISTD (CCV gc06_082622054)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.12	4.12	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.35	-0.01

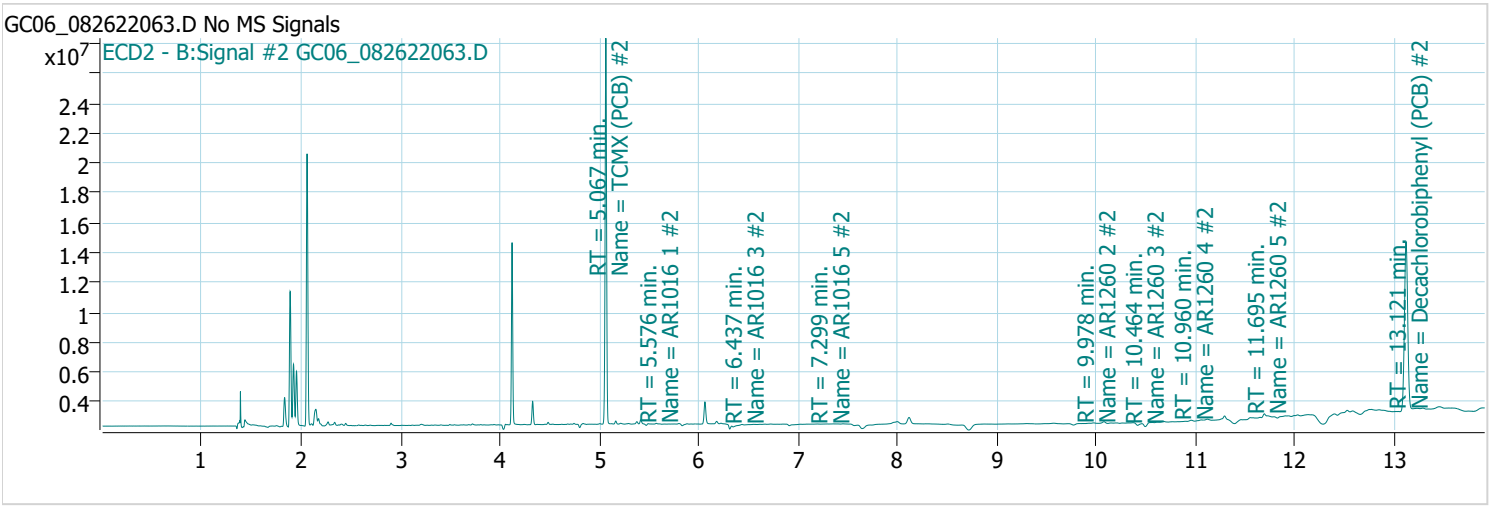
Analyst: TRN 08/29/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622063.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/27/2022 7:48:42 AM
Sample Name	467872-022, 295631, 1	Instrument	SVOA-GC06
Vial	34	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



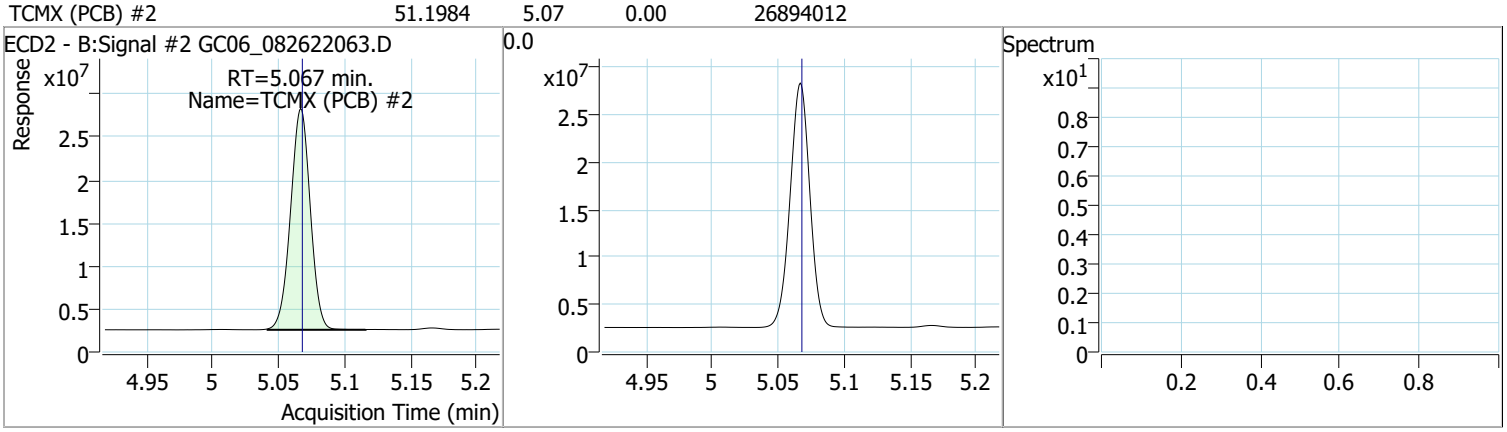


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	11468341.923	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB)	4.354	0.0	2043106.580	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB) #2	5.067	0.0	26894012.109	51.1984	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 255.99%		*	
S TCMX (PCB)	5.208	0.0	5142938.926	52.3326	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 261.66%		*	
S Decachlorobiphenyl (PCB)	12.686	0.0	5889967.637	37.9151	ng/ml		-0.020
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 189.58%		*	
S Decachlorobiphenyl (PCB) #2	13.121	0.0	26342324.042	38.0656	ng/ml		-0.009
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 190.33%		*	
Target Compounds							QValue

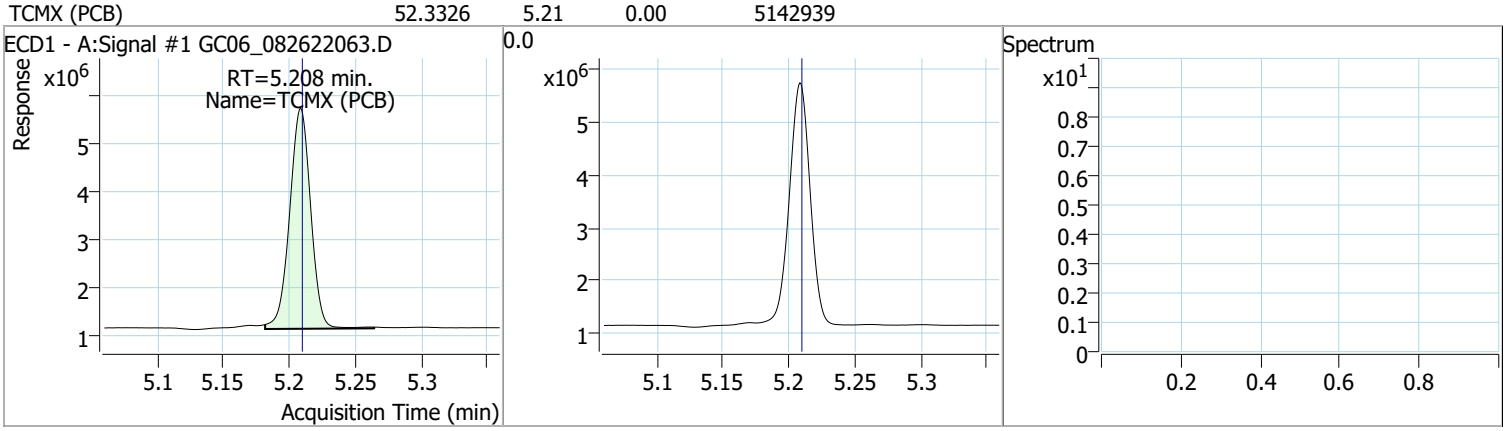
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.576	0.0	509650.861	47.4546	ng/ml	100
T AR1016 1	5.581	0.0	129794.328	64.9453	ng/ml	100
T AR1016 2 #2	5.883	0.0	405439.737	18.1912	ng/ml	100
T AR1016 2	5.855	0.0	6049.766	1.3903	ng/ml	100
T AR1016 3 #2	6.437	0.0	76451.522	2.6010	ng/ml	100
T AR1016 3	6.313	0.0	51009.350	9.9602	ng/ml	100
T AR1016 4	6.534	0.0	299136.314	78.0532	ng/ml	100
T AR1016 4 #2	6.437	0.0	121915.133	6.1137	ng/ml	100
T AR1016 5	6.989	0.0	307612.202	103.7622	ng/ml	100
T AR1016 5 #2	7.299	0.0	23390.125	1.5003	ng/ml	100
T AR1260 1	8.951	0.0	122199.788	19.0054	ng/ml	100
T AR1260 1 #2	9.579	0.0	220832.337	6.3622	ng/ml	100
T AR1260 2	9.583	0.0	29142.282	2.9427	ng/ml	100
T AR1260 2 #2	9.978	0.0	538384.181	13.4239	ng/ml	100
T AR1260 3	10.133	0.0	31600.743	3.0695	ng/ml	100
T AR1260 3 #2	10.464	0.0	391361.108	7.1824	ng/ml	100
T AR1260 4	10.500	0.0	194056.543	37.9010	ng/ml	100
T AR1260 4 #2	10.960	0.0	143743.594	4.8751	ng/ml	100
T AR1260 5	11.338	0.0	159269.219	23.5028	ng/ml	100
T AR1260 5 #2	11.695	0.0	1103317.977	25.3807	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

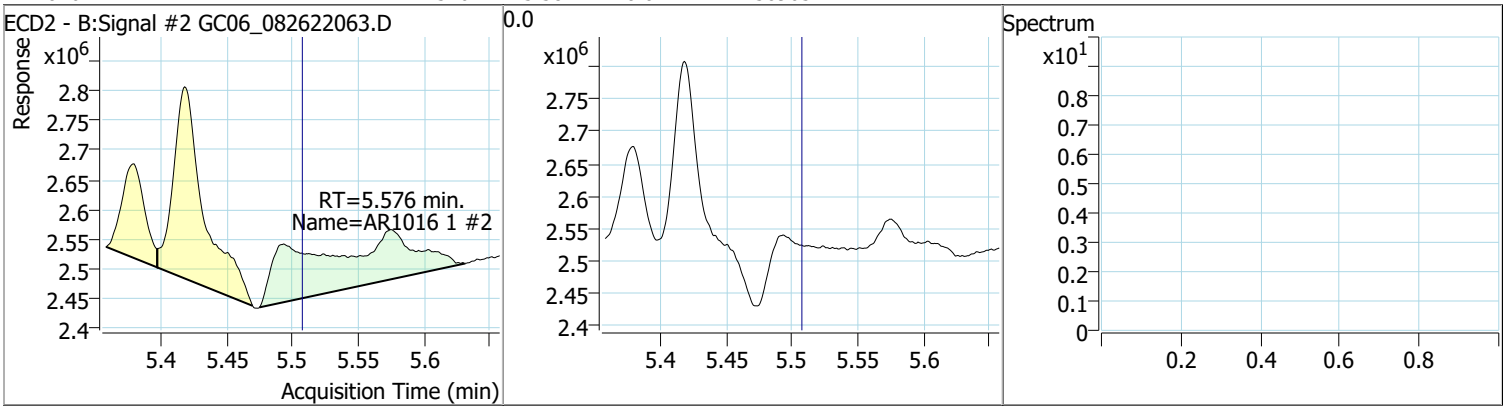
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	51.1984	5.07	0.00	26894012				



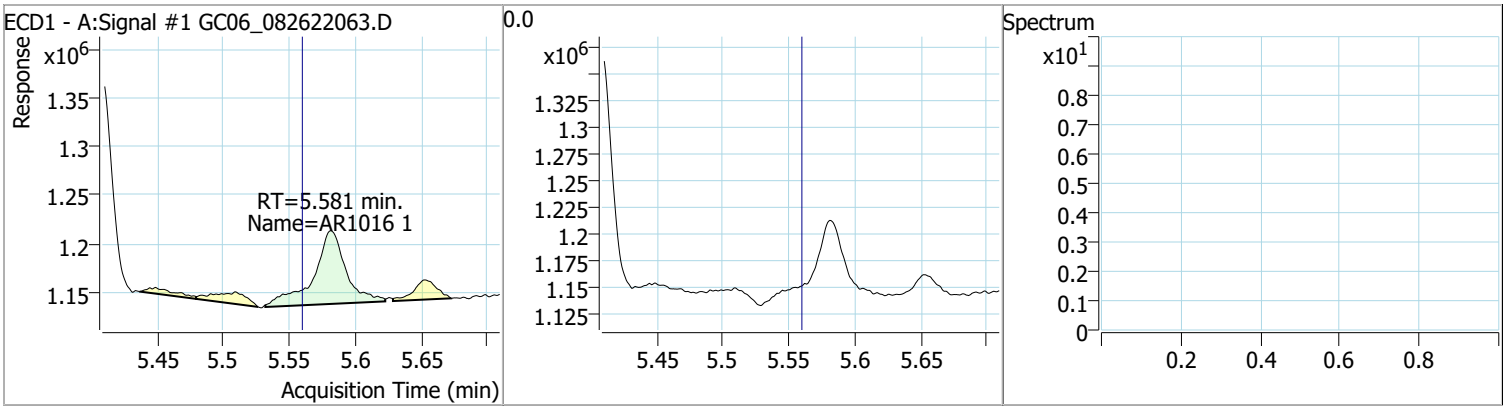
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	52.3326	5.21	0.00	5142939				



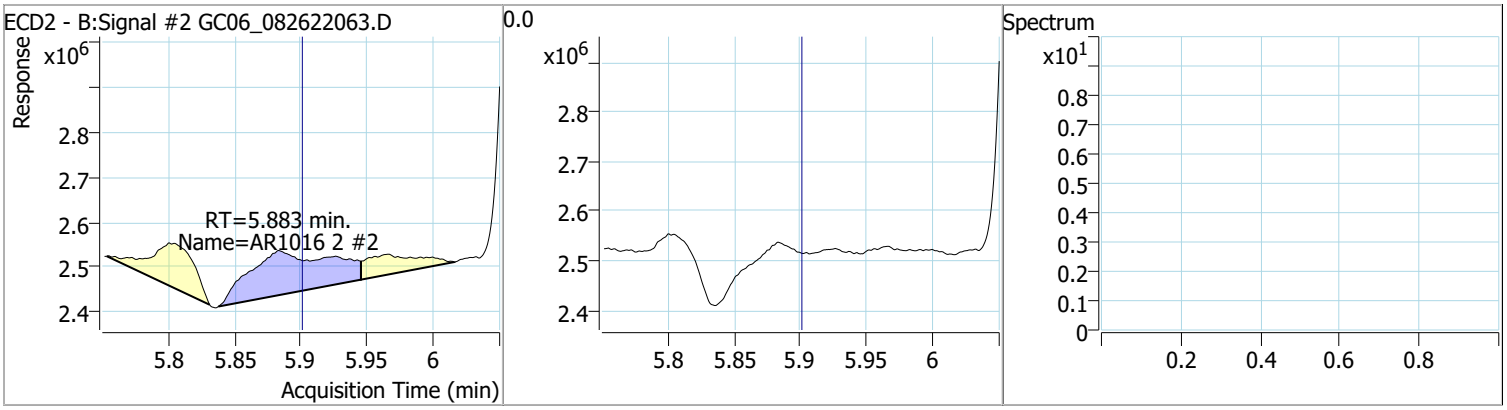
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	47.4546	5.58	0.07	509651				



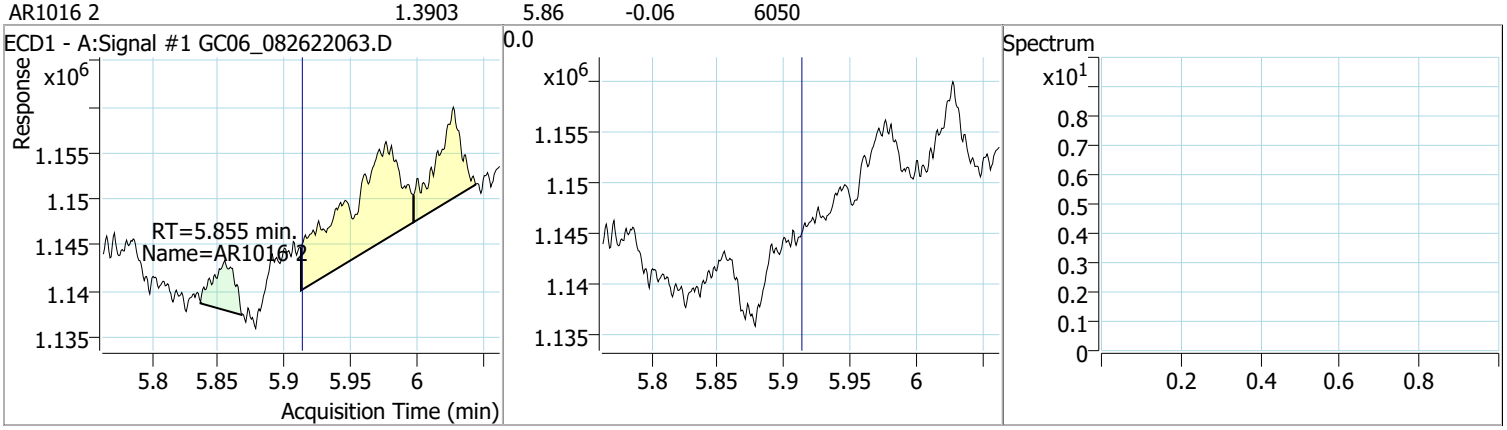
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	64.9453	5.58	0.02	129794				



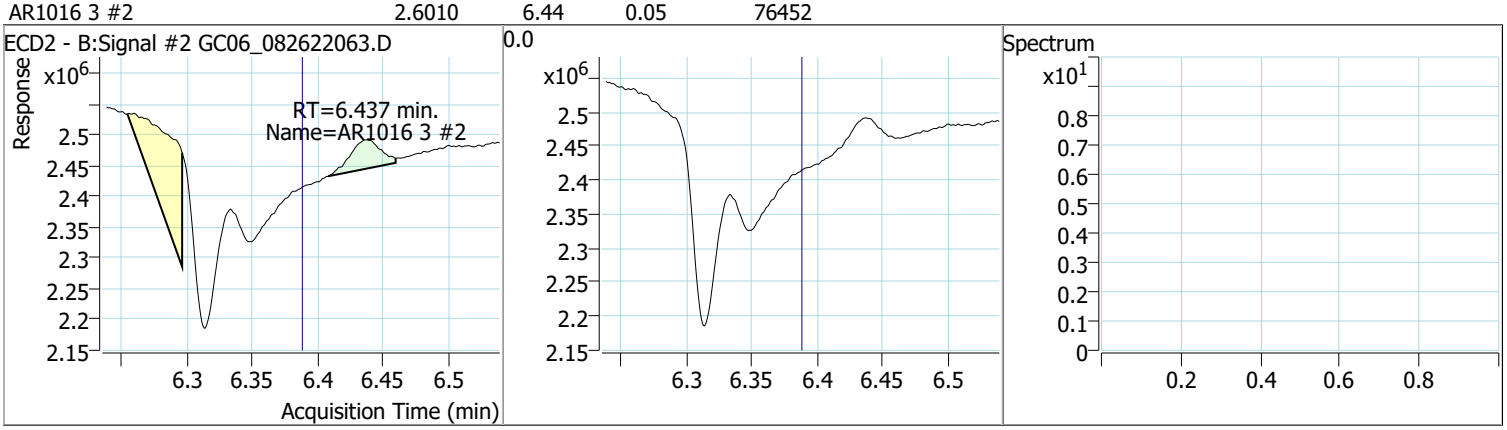
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	18.1912	5.88	-0.02	405440				



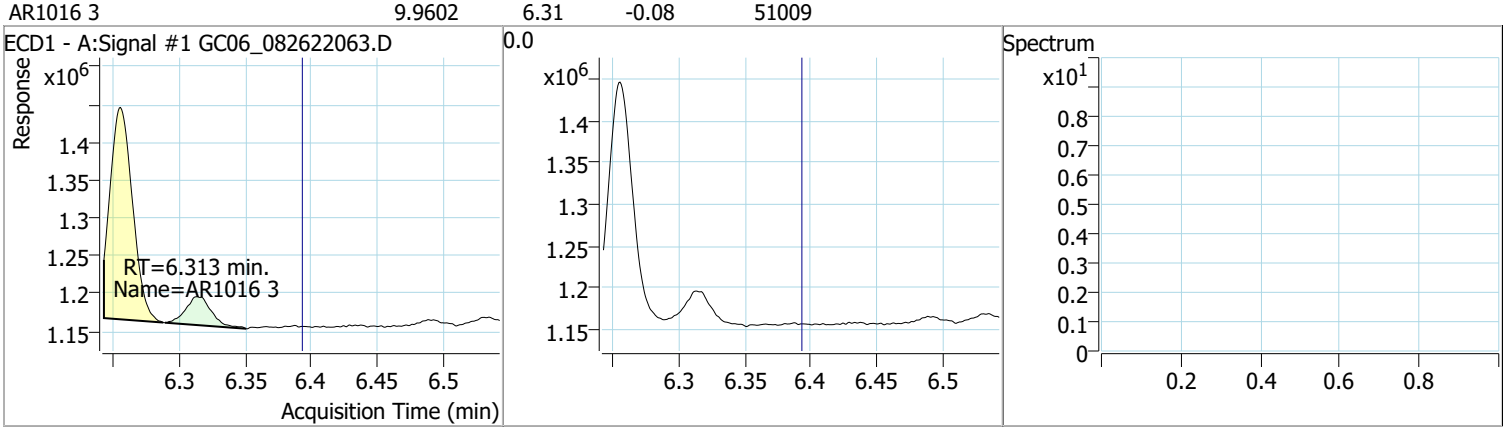
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.3903	5.86	-0.06	6050				



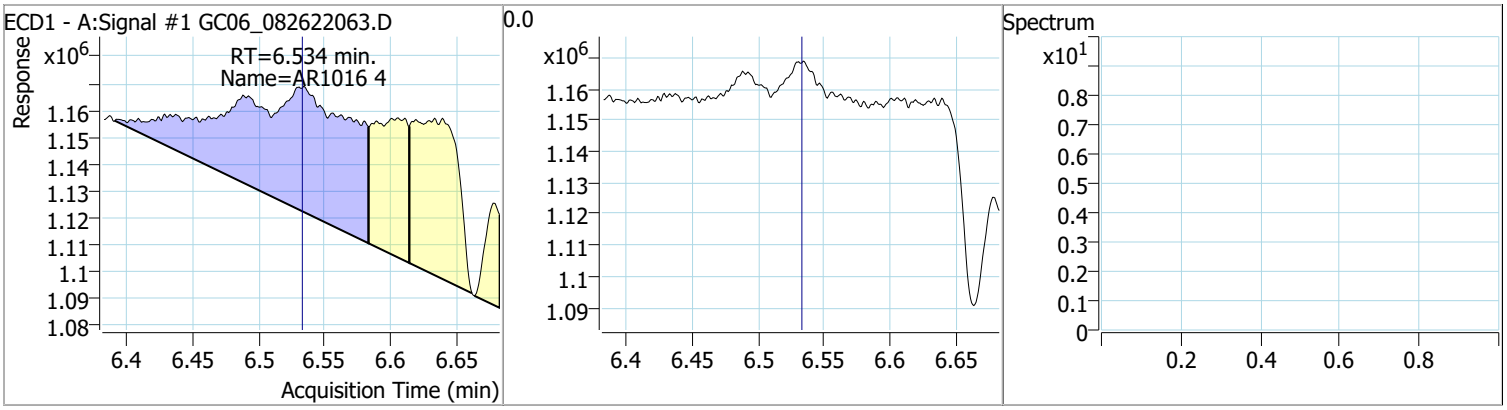
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	2.6010	6.44	0.05	76452				



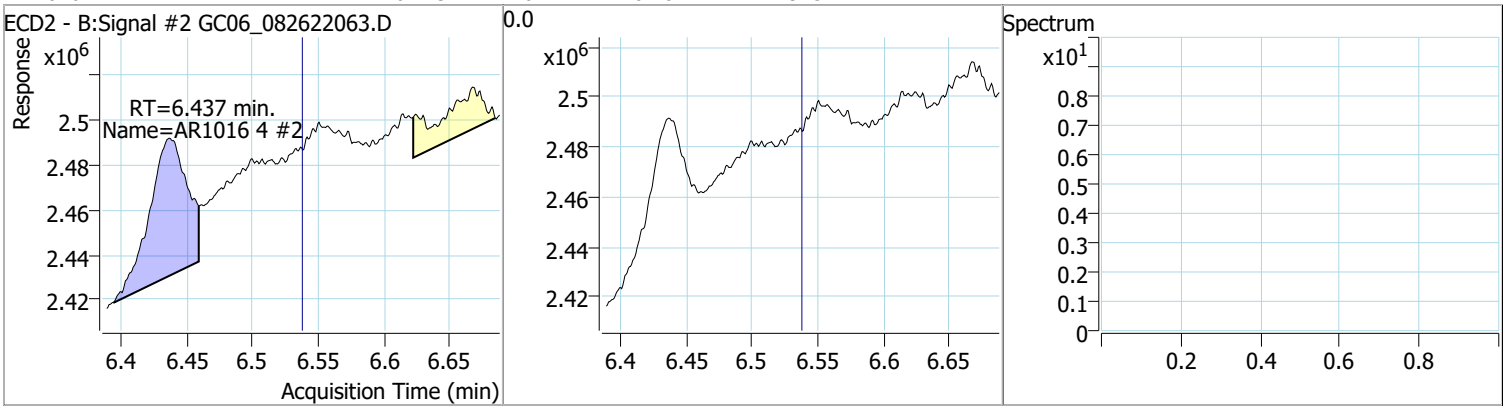
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	9.9602	6.31	-0.08	51009				



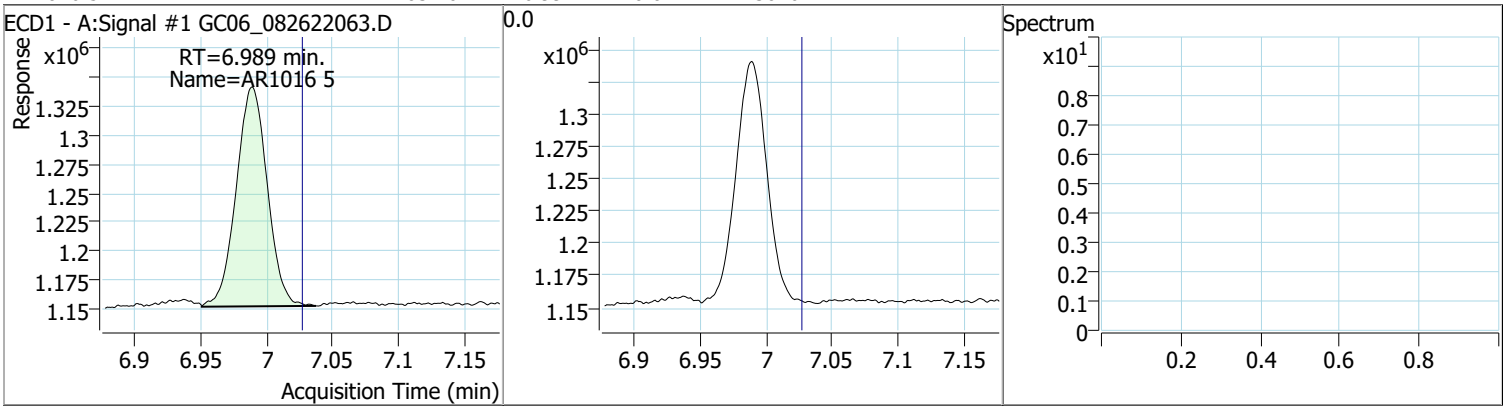
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	78.0532	6.53	0.00	299136				



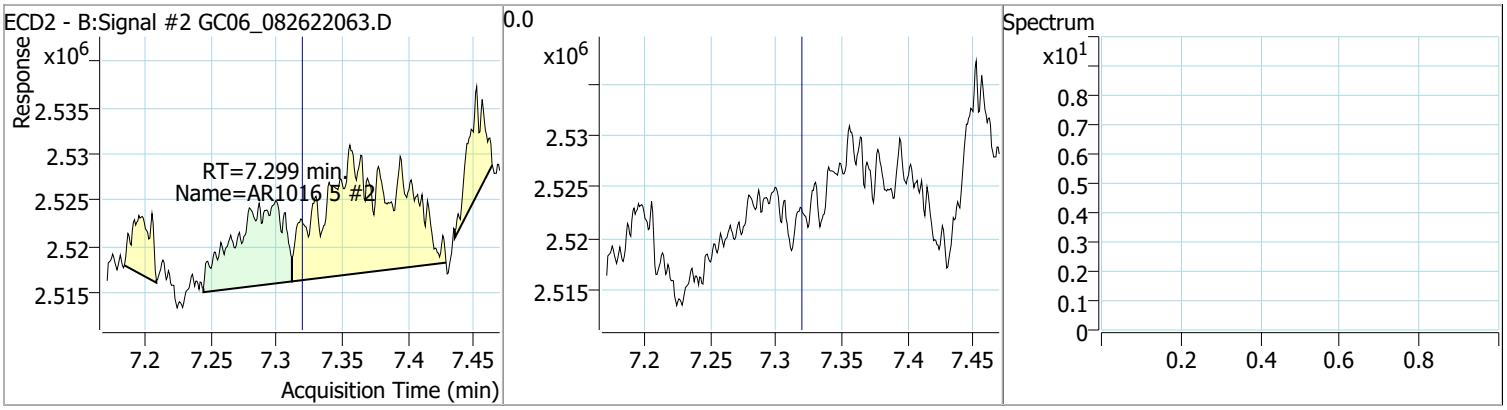
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	6.1137	6.44	-0.10	121915				



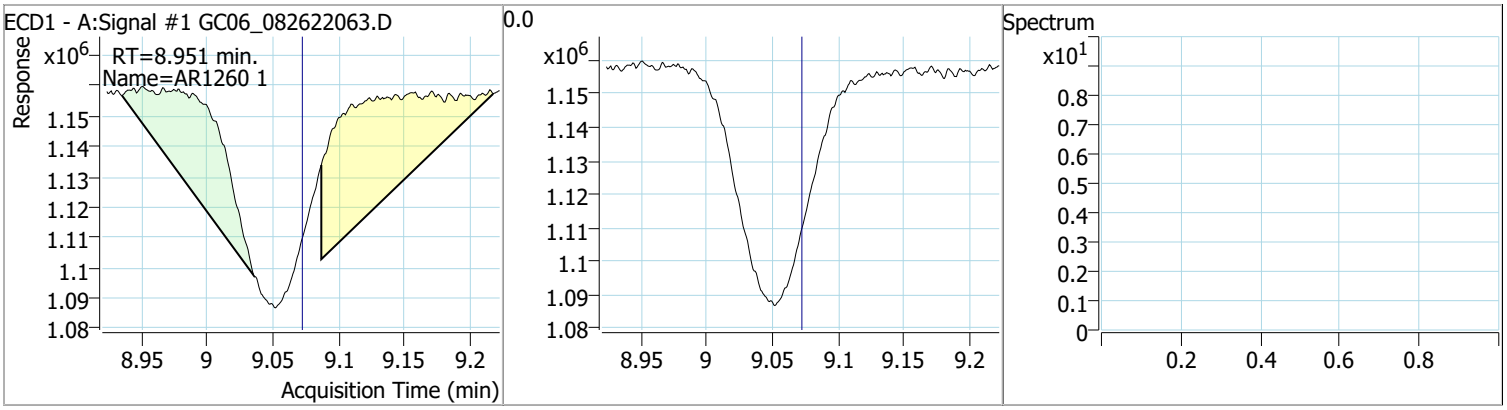
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	103.7622	6.99	-0.04	307612				



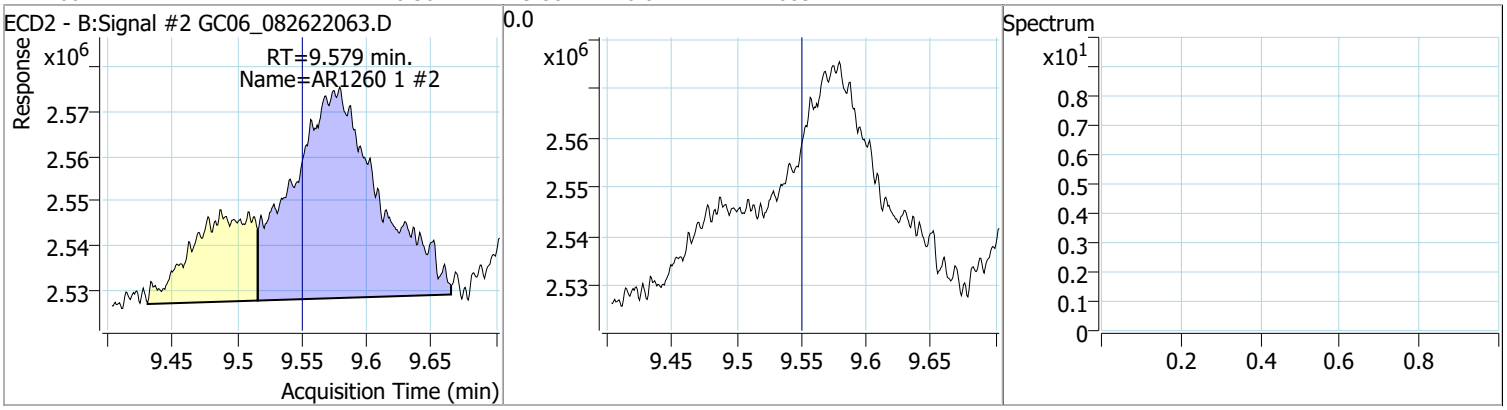
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.5003	7.30	-0.02	23390				



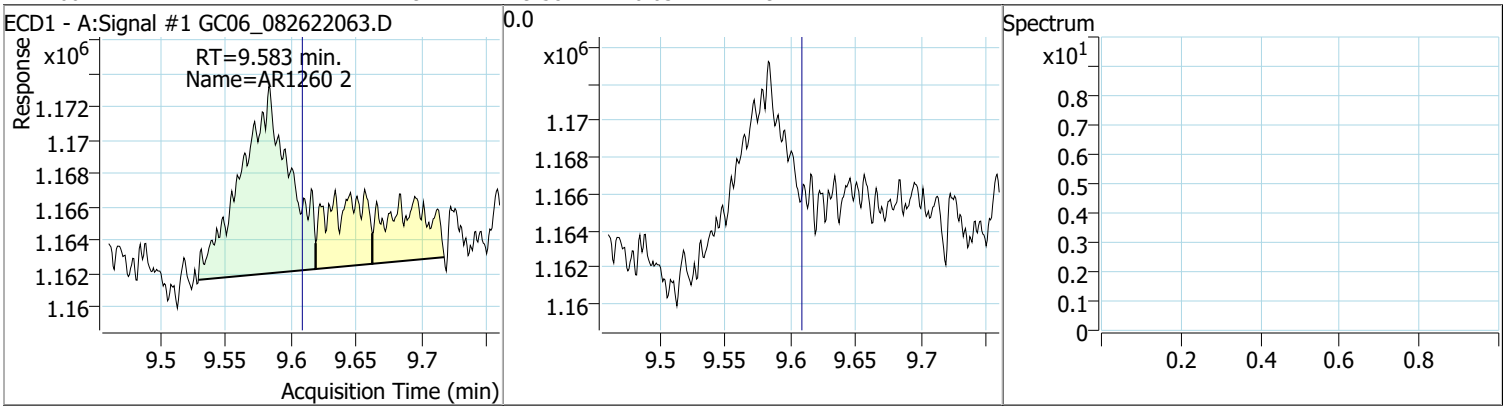
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	19.0054	8.95	-0.12	122200				



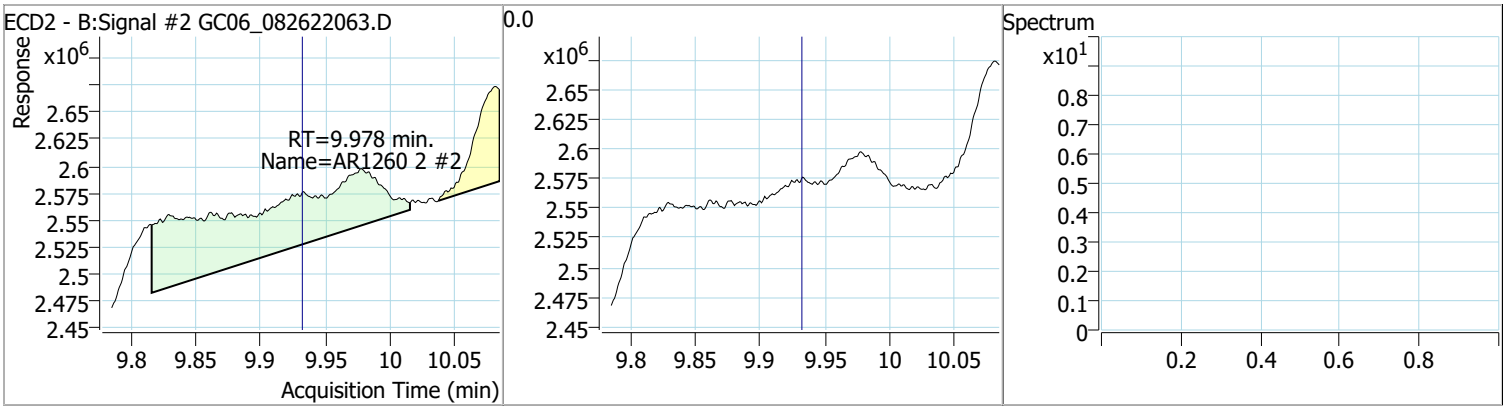
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	6.3622	9.58	0.02	220832				



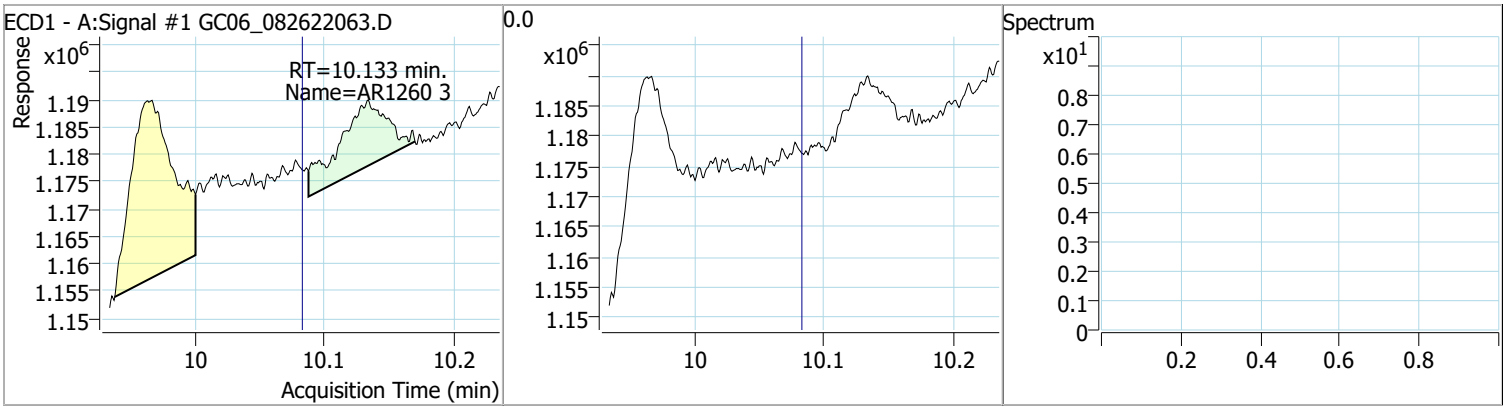
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.9427	9.58	-0.03	29142				



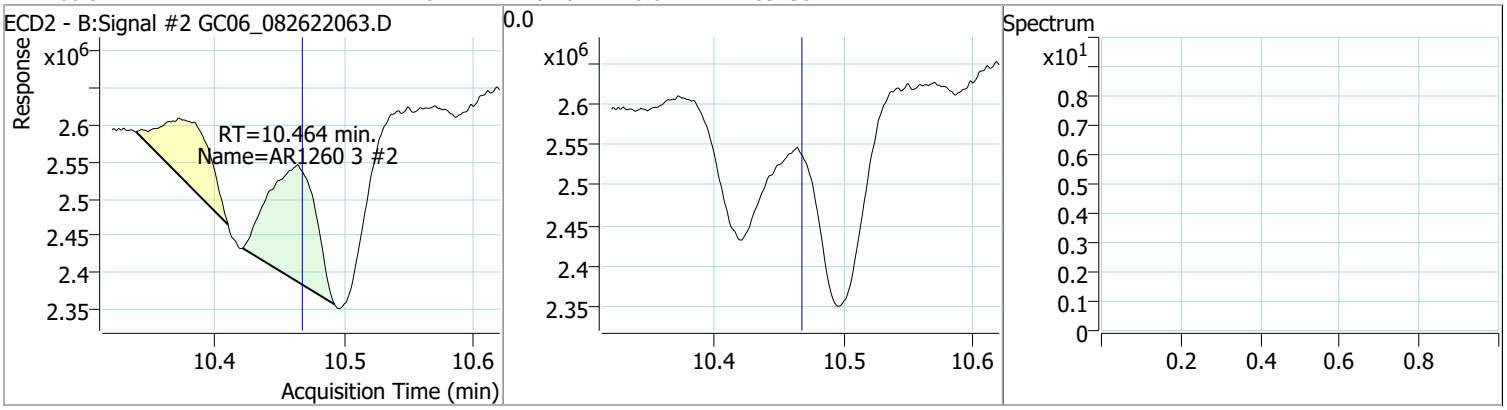
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	13.4239	9.98	0.04	538384				



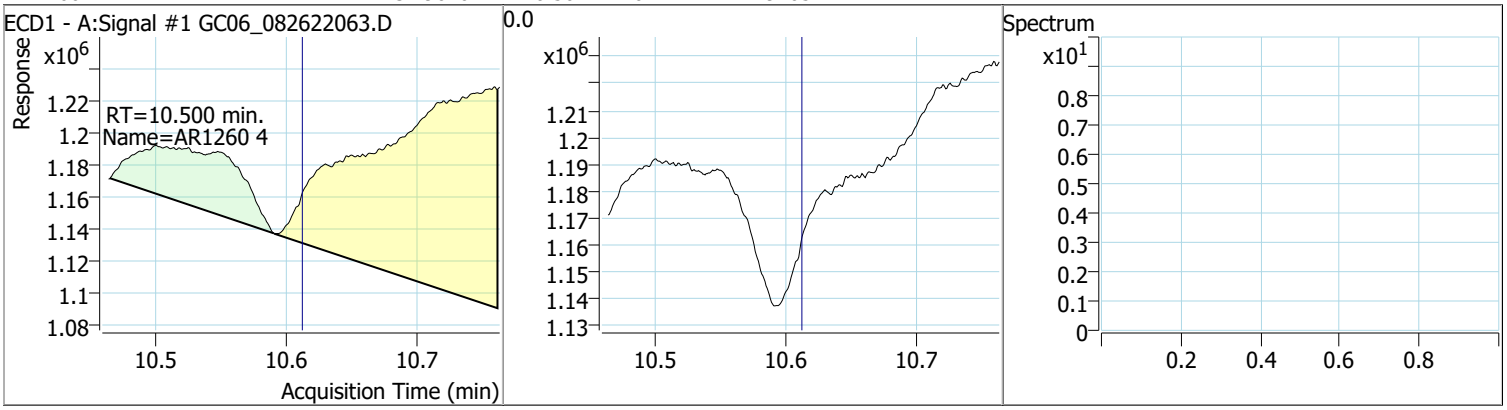
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	3.0695	10.13	0.05	31601				



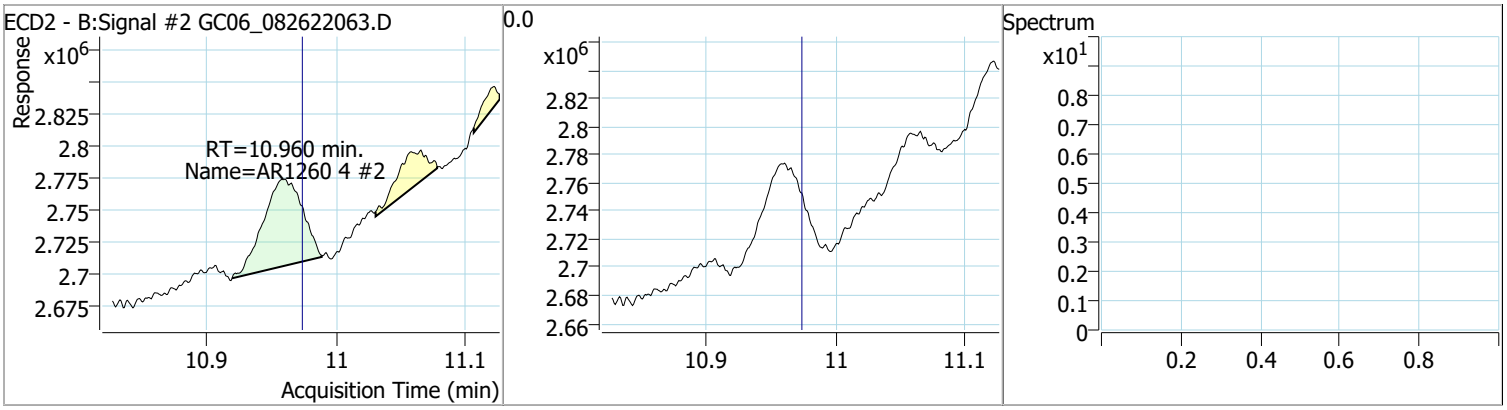
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.1824	10.46	-0.01	391361				



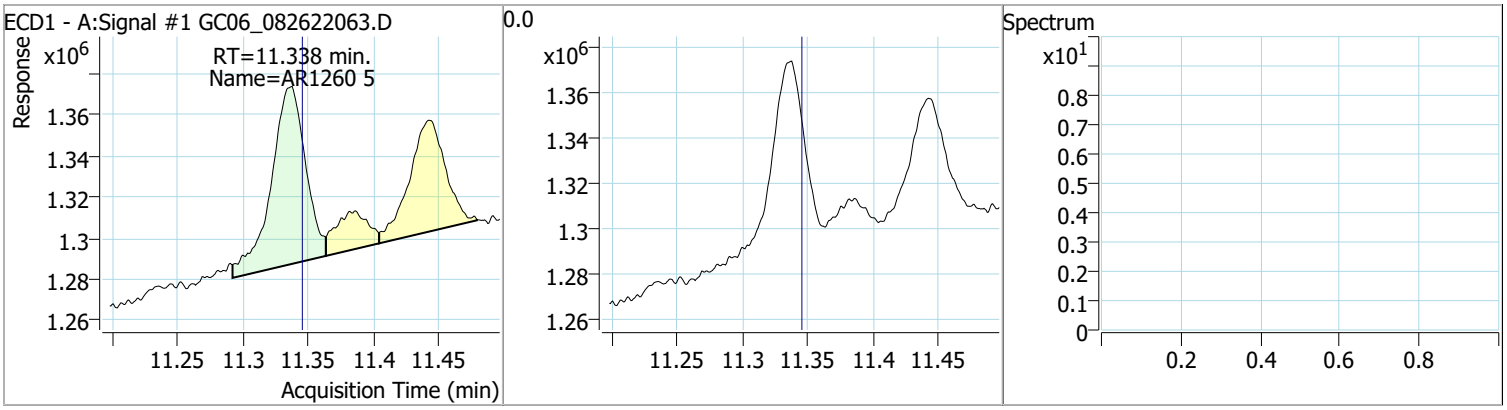
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	37.9010	10.50	-0.12	194057				



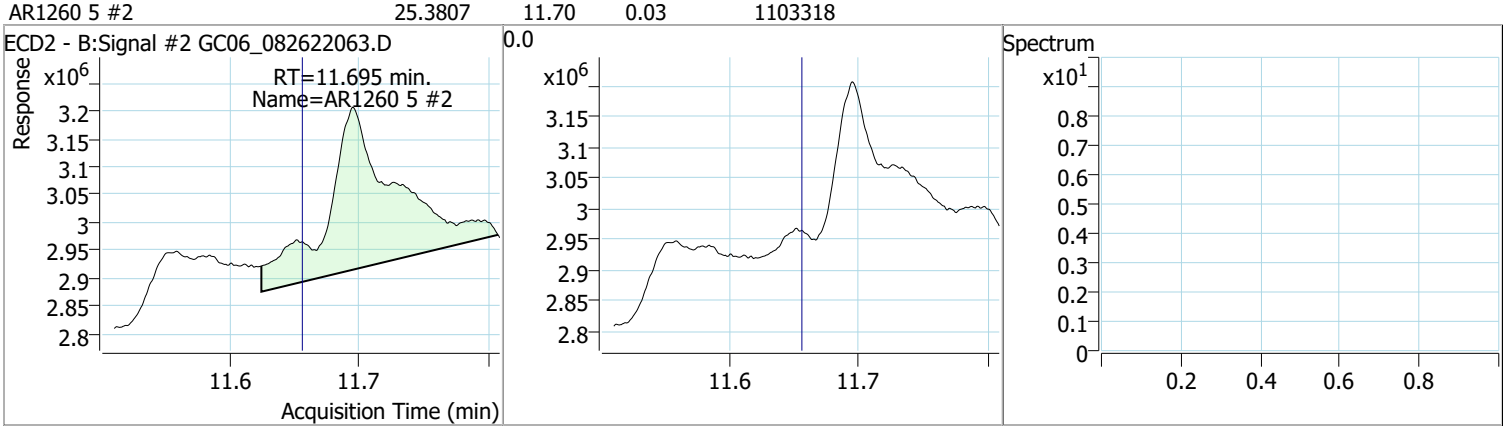
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	4.8751	10.96	-0.02	143744				



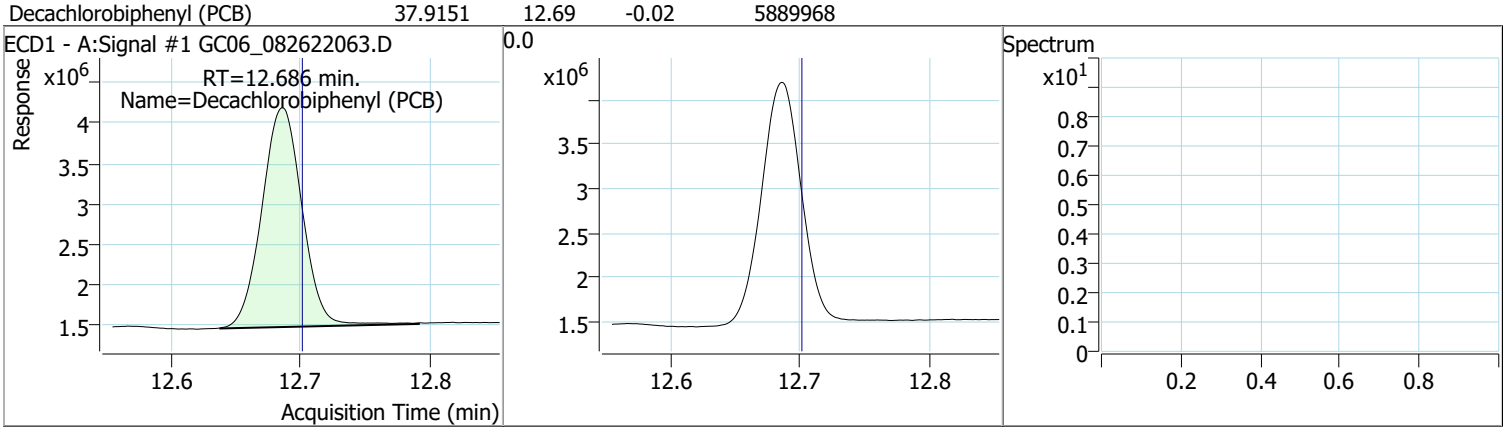
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	23.5028	11.34	-0.01	159269				



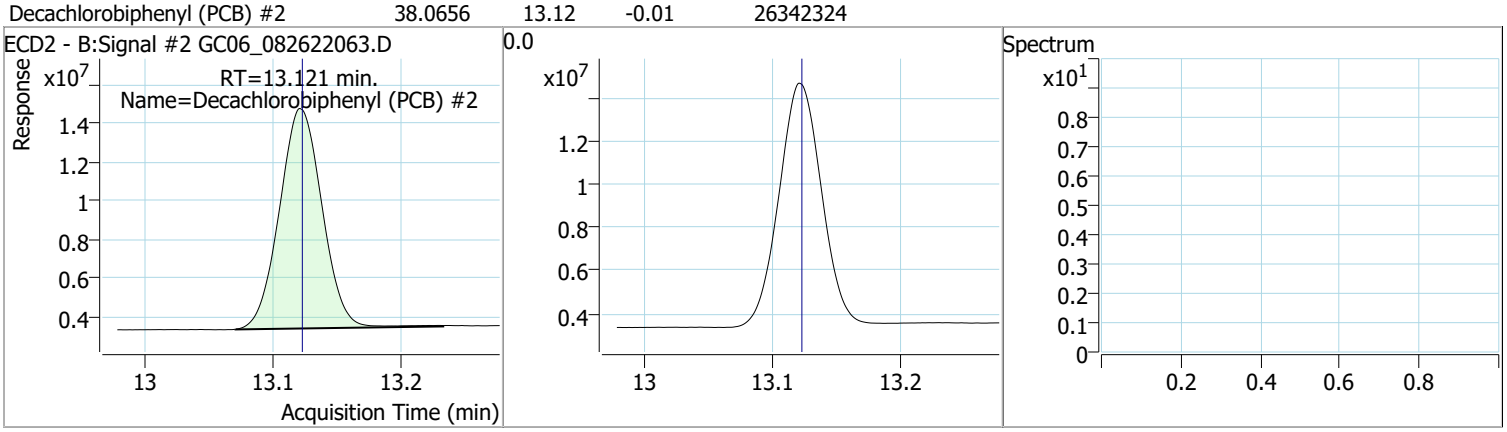
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	25.3807	11.70	0.03	1103318				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	37.9151	12.69	-0.02	5889968				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	38.0656	13.12	-0.01	26342324				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467872-024	Client ID:	DOOR-N-0.5GE-PS-17-220823-P-G
Seqnum:	452343556064	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622064	Batch:	295631	Time:	27-AUG-2022 08:06
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	54.74	~~1.1~~ ~~FP~~	0.52	72%	1.0		x u
Aroclor-1016 Peak # 1	A	58.34	1.17	0.89	27%			
Aroclor-1016 Peak # 2	A	5.505	0.11	0.33	100%			
Aroclor-1016 Peak # 3	A	7.689	0.15	1.11	151%			
Aroclor-1016 Peak # 4	A	104.0	2.08	0.25	158%			
Aroclor-1016 Peak # 5	A	98.16	1.96	0.01	198%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	25.62	ND	0.27	64%	1.0		c+ u
Aroclor-1260 Peak # 1	A	36.77	0.74	0.33	76%			
Aroclor-1260 Peak # 2	A	0.5336	0.01	0.09	157%			
Aroclor-1260 Peak # 3	A	4.096	0.08	0.17	72%			
Aroclor-1260 Peak # 4	A	41.72	0.83	0.21	120%			
Aroclor-1260 Peak # 5	A	45.00	0.90	0.52	53%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	47.84	1.000	0.9569	96	52-186	c+ u
Decachlorobiphenyl (PCB)	A	39.54	1.000	0.7908	79	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622054)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9640442	7262396	-24.67
1-bromo-2-nitrobenzene (PCB)	A	1993573	1403200	-29.61

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

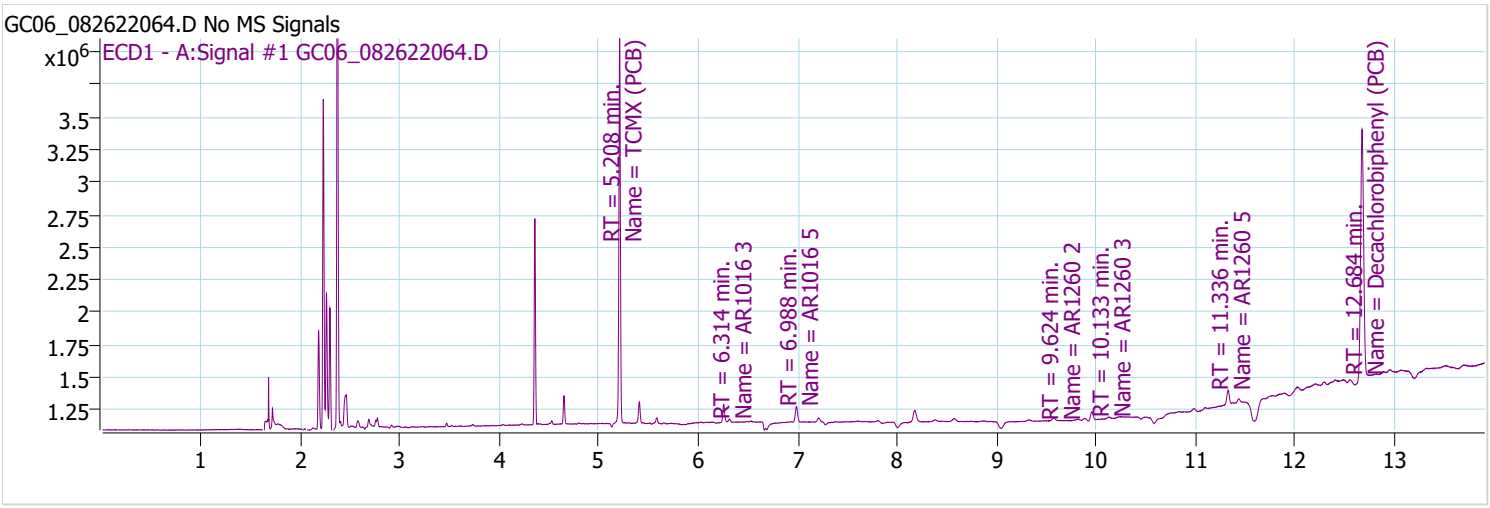
ISTD (CCV gc06_082622054)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.12	4.12	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.35	-0.01

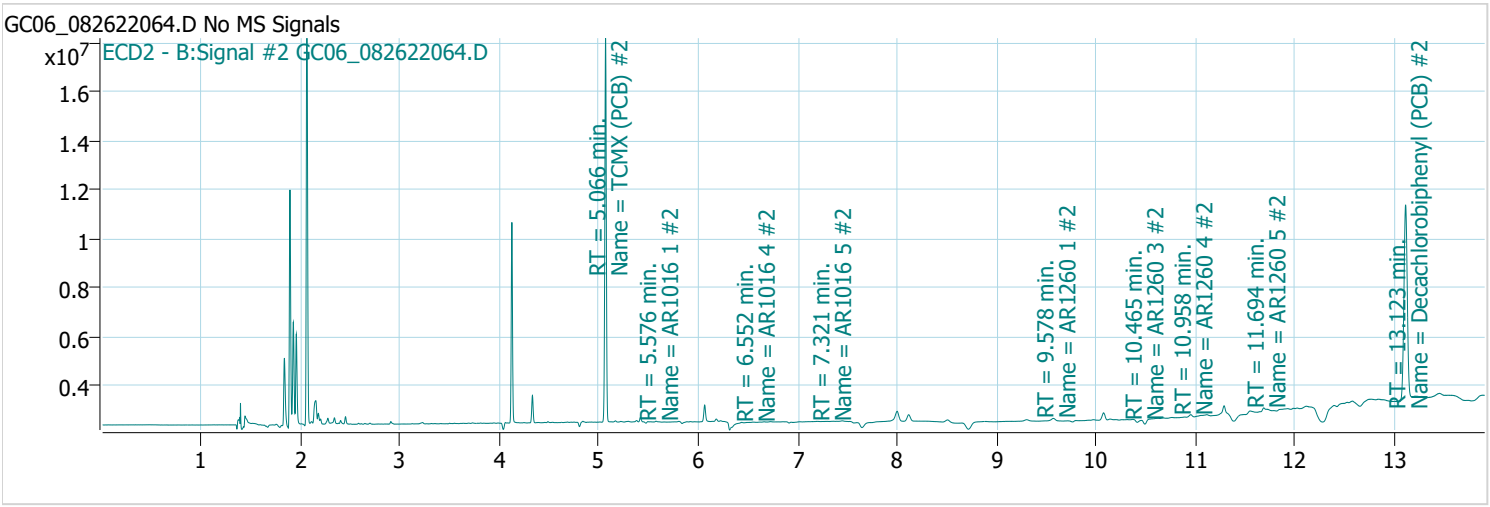
Analyst: TRN 08/29/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622064.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/27/2022 8:06:16 AM
Sample Name	467872-024, 295631, 1	Instrument	SVOA-GC06
Vial	35	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



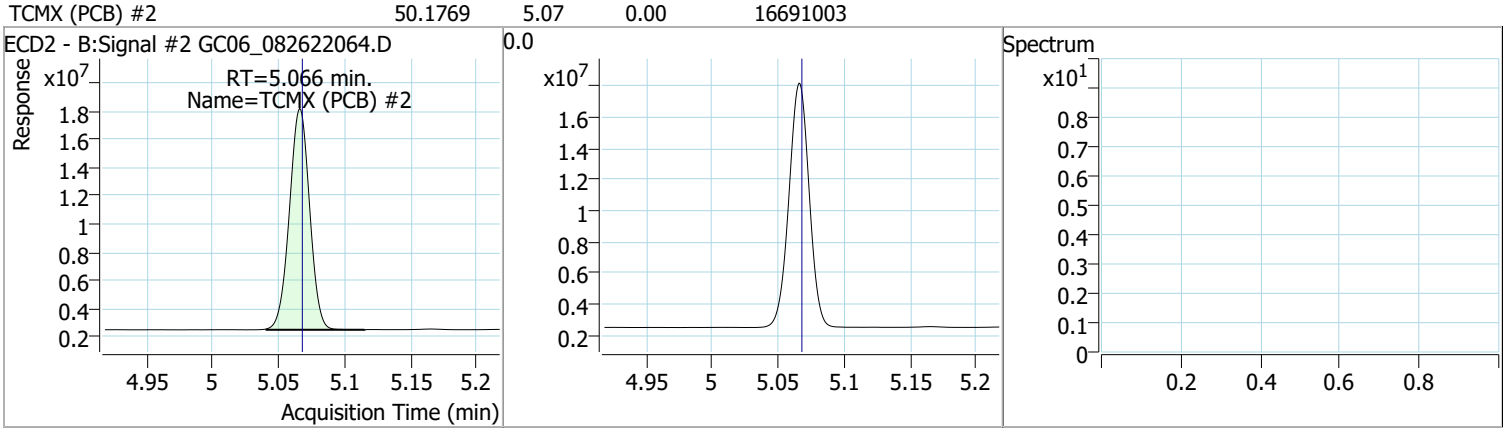


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	7262396.273	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB)	4.354	0.0	1403199.511	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB) #2	5.066	0.0	16691002.882	50.1769	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 250.88%		*	
S TCMX (PCB)	5.208	0.0	3228300.208	47.8306	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 239.15%		*	
S Decachlorobiphenyl (PCB)	12.684	0.0	4217652.959	39.5314	ng/ml		-0.022
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.66%		*	
S Decachlorobiphenyl (PCB) #2	13.123	0.0	18959244.327	43.2634	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 216.32%		*	
Target Compounds							QValue

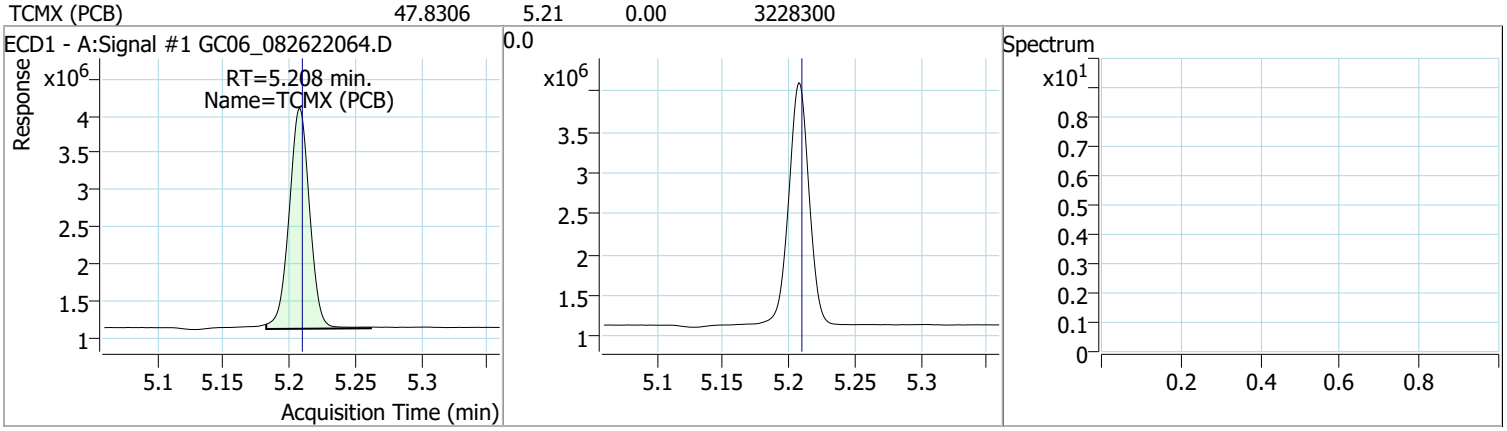
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.576	0.0	301137.693	44.2784	ng/ml	100
T AR1016 1	5.583	0.0	80050.440	58.3213	ng/ml	100
T AR1016 2 #2	5.923	0.0	231983.414	16.4366	ng/ml	100
T AR1016 2	5.947	0.0	16447.649	5.5034	ng/ml	100
T AR1016 3 #2	6.438	0.0	1031717.769	55.4291	ng/ml	100
T AR1016 3	6.314	0.0	27035.922	7.6866	ng/ml	100
T AR1016 4	6.528	0.0	273758.289	104.0064	ng/ml	100
T AR1016 4 #2	6.552	0.0	155563.386	12.3190	ng/ml	100
T AR1016 5	6.988	0.0	199802.919	98.1317	ng/ml	100
T AR1016 5 #2	7.321	0.0	3895.862	0.3946	ng/ml	100
T AR1260 1	9.177	0.0	162340.951	36.7627	ng/ml	100
T AR1260 1 #2	9.578	0.0	365065.995	16.6088	ng/ml	100
T AR1260 2	9.624	0.0	3628.664	0.5335	ng/ml	100
T AR1260 2 #2	9.977	0.0	113605.083	4.4731	ng/ml	100
T AR1260 3	10.133	0.0	28951.758	4.0946	ng/ml	100
T AR1260 3 #2	10.465	0.0	300523.341	8.7094	ng/ml	100
T AR1260 4	10.494	0.0	146663.549	41.7076	ng/ml	100
T AR1260 4 #2	10.958	0.0	195376.600	10.4639	ng/ml	100
T AR1260 5	11.336	0.0	209366.369	44.9848	ng/ml	100
T AR1260 5 #2	11.694	0.0	716870.448	26.0414	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

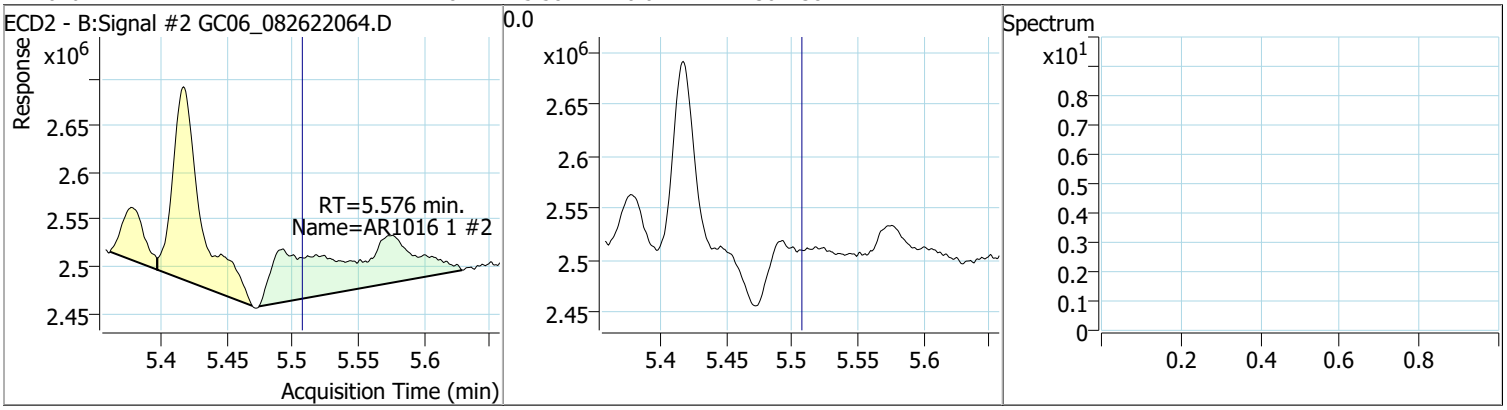
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	50.1769	5.07	0.00	16691003				



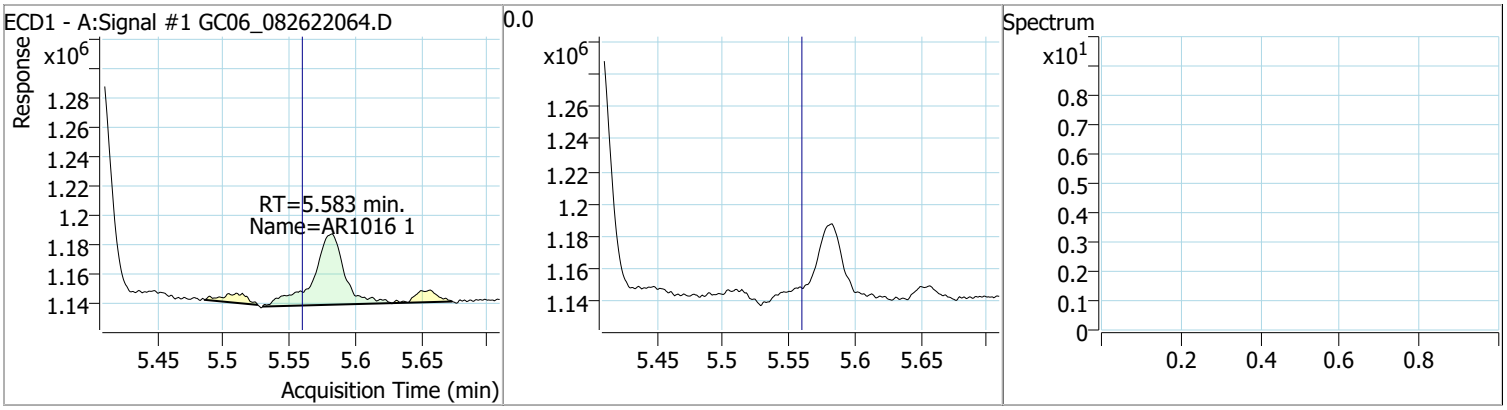
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	47.8306	5.21	0.00	3228300				



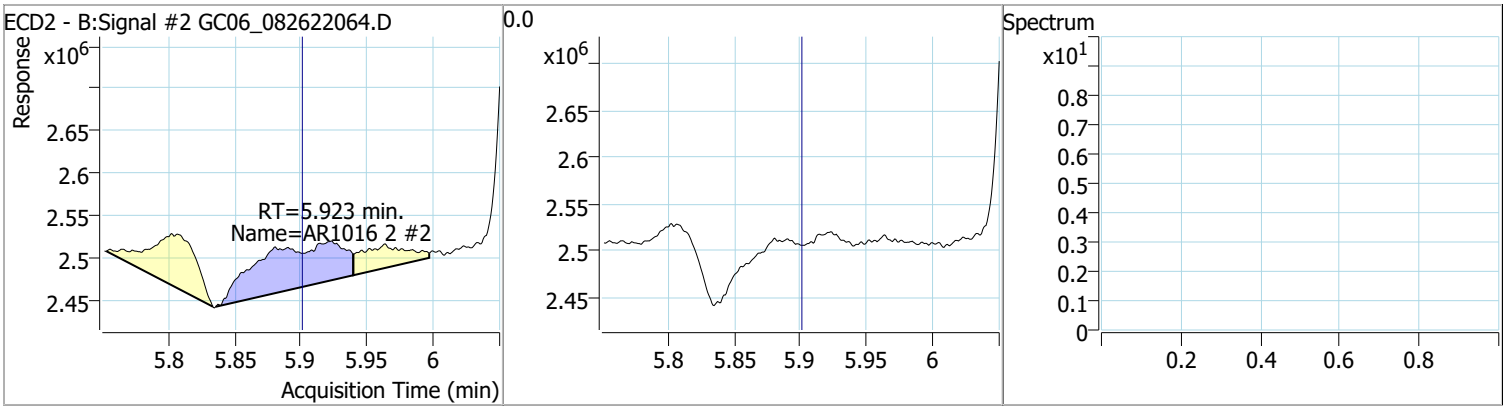
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	44.2784	5.58	0.07	301138				



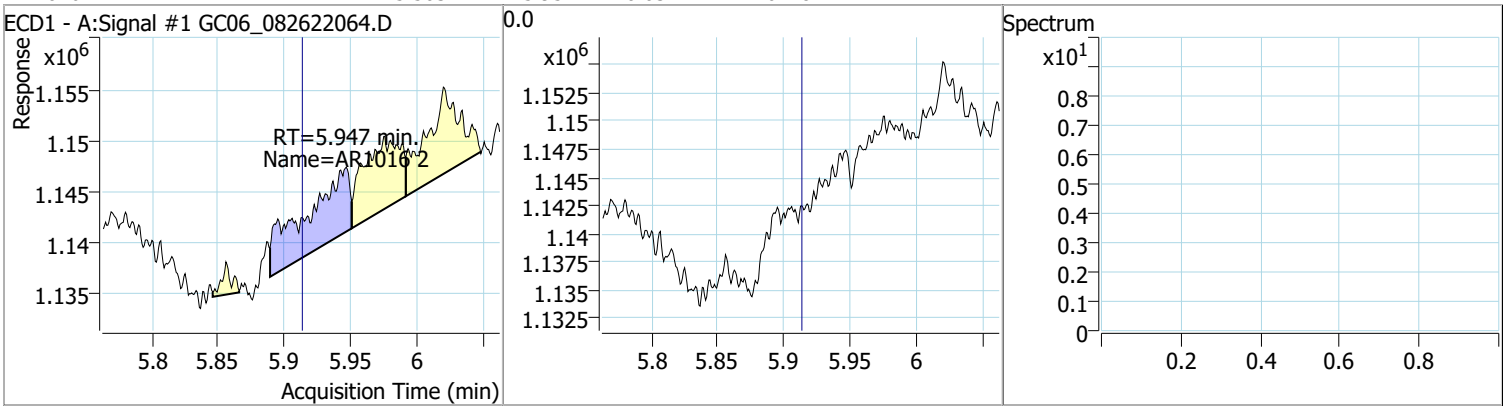
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	58.3213	5.58	0.02	80050				



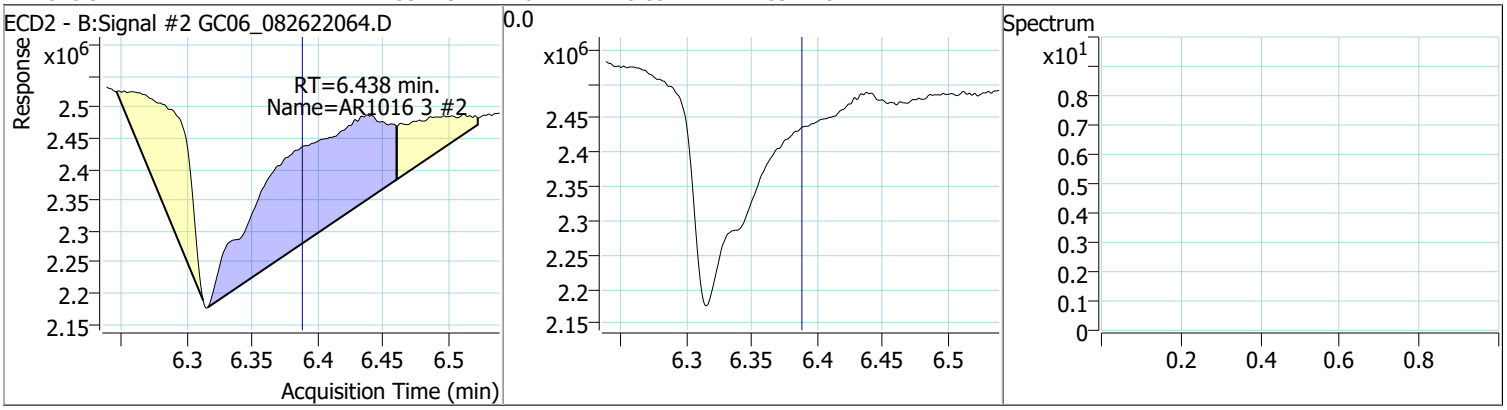
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	16.4366	5.92	0.02	231983				



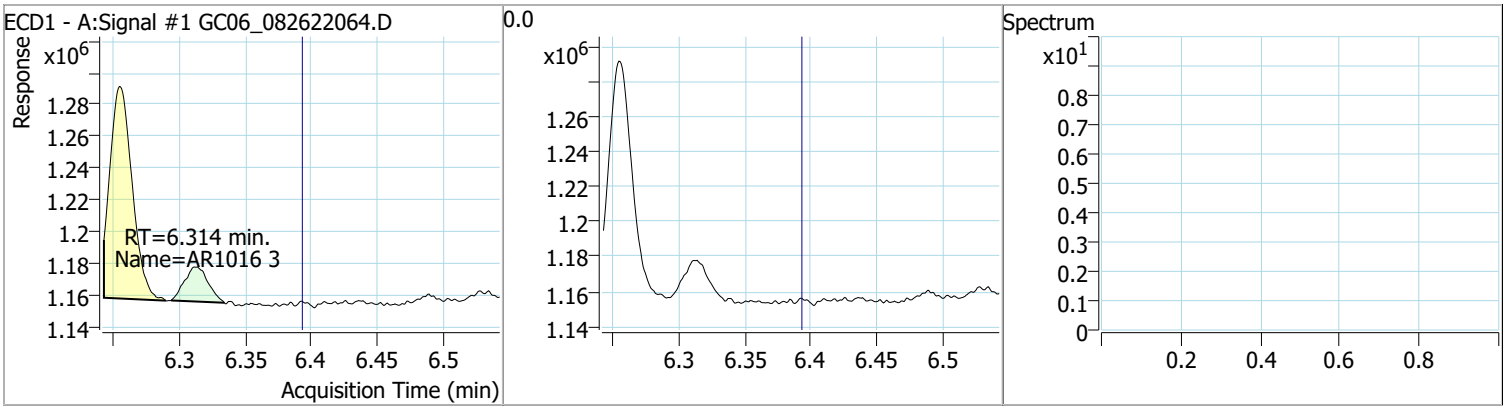
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	5.5034	5.95	0.03	16448				



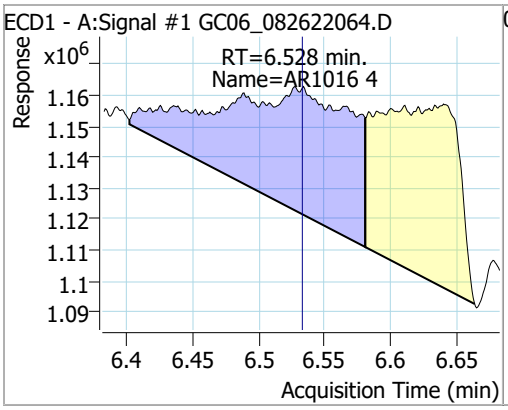
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	55.4291	6.44	0.05	1031718				

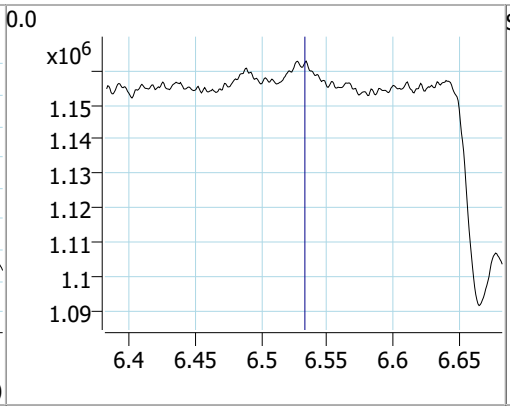


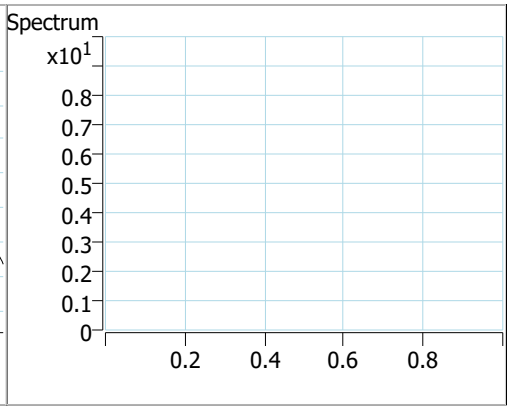
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	7.6866	6.31	-0.08	27036				



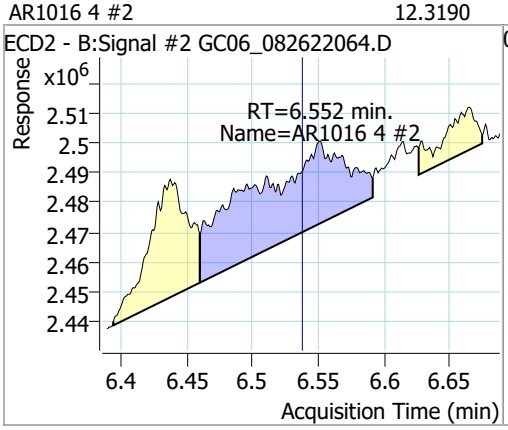
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	104.0064	6.53	-0.01	273758				

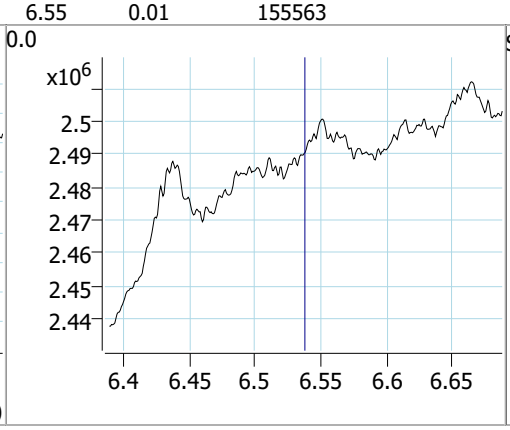


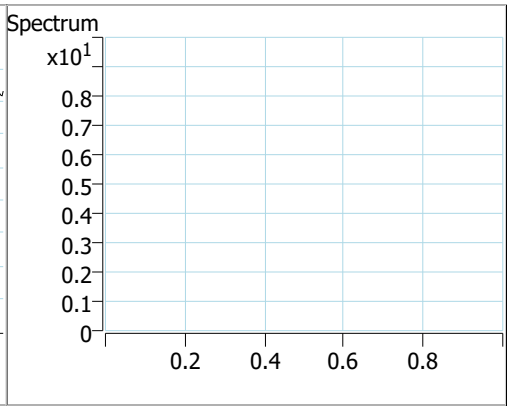




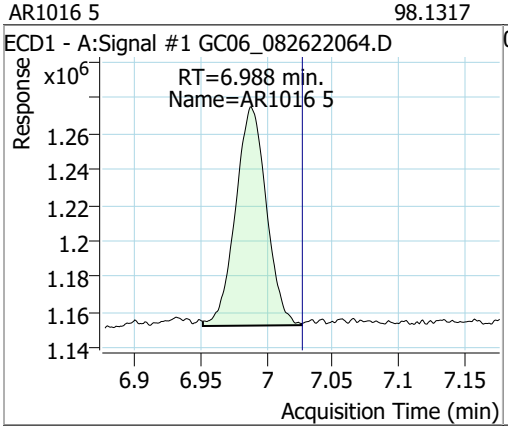
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	12.3190	6.55	0.01	155563				

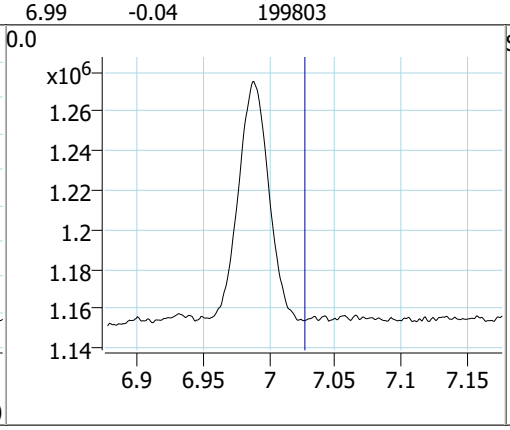


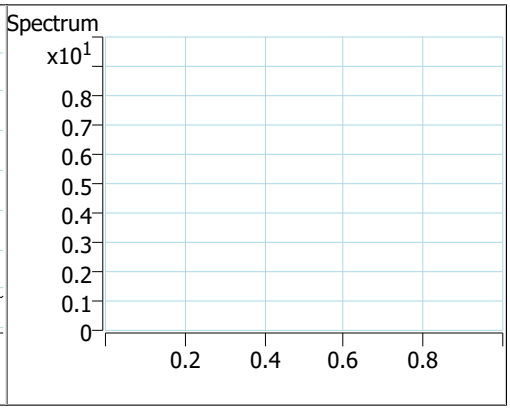




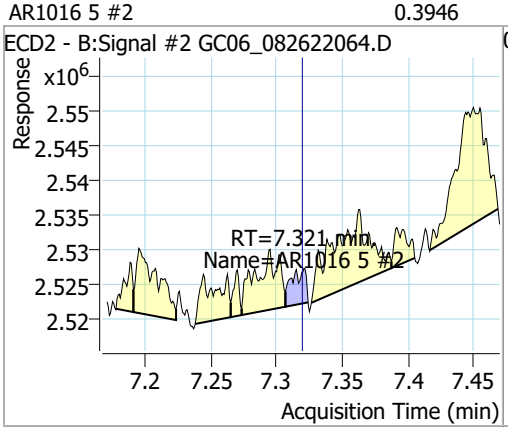
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	98.1317	6.99	-0.04	199803				

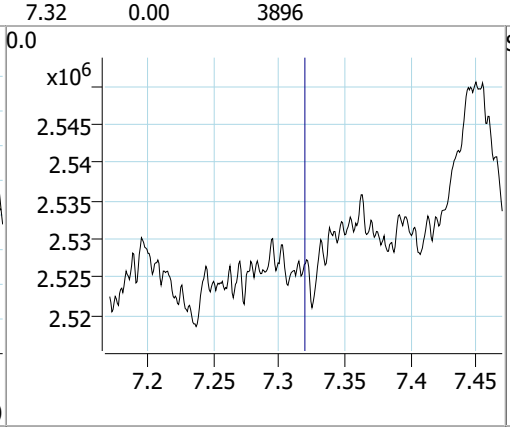


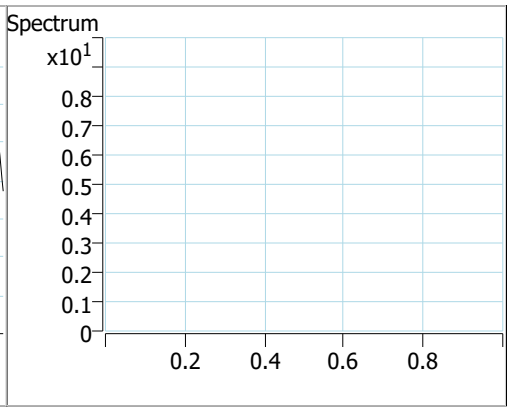




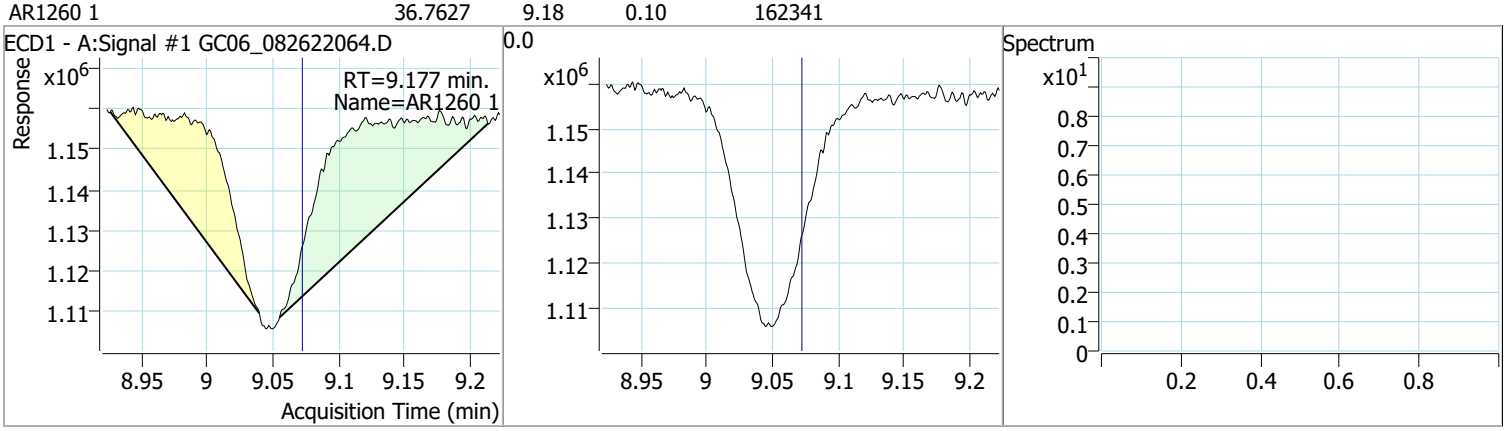
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.3946	7.32	0.00	3896				



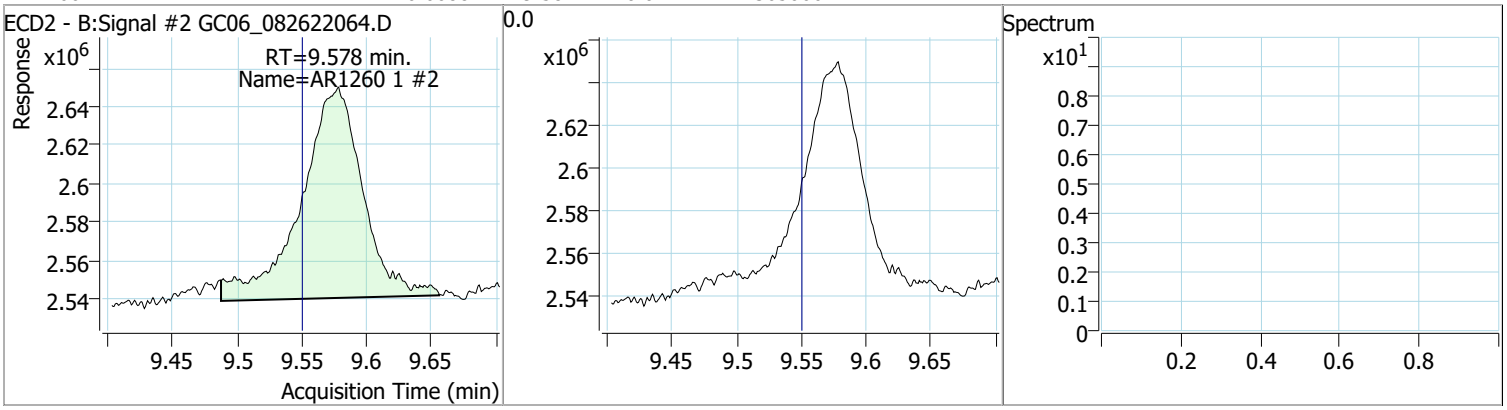




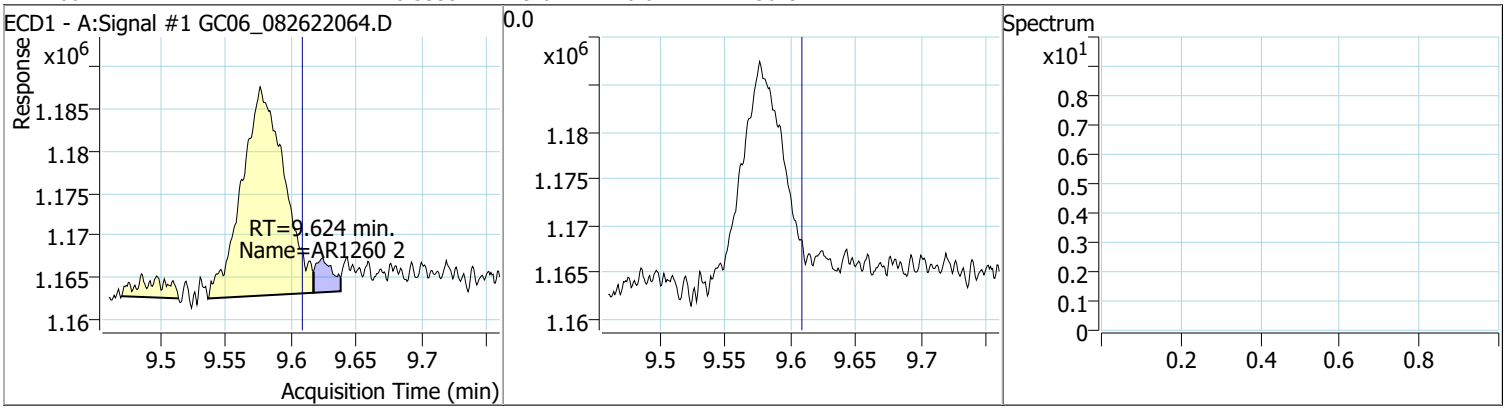
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	36.7627	9.18	0.10	162341				



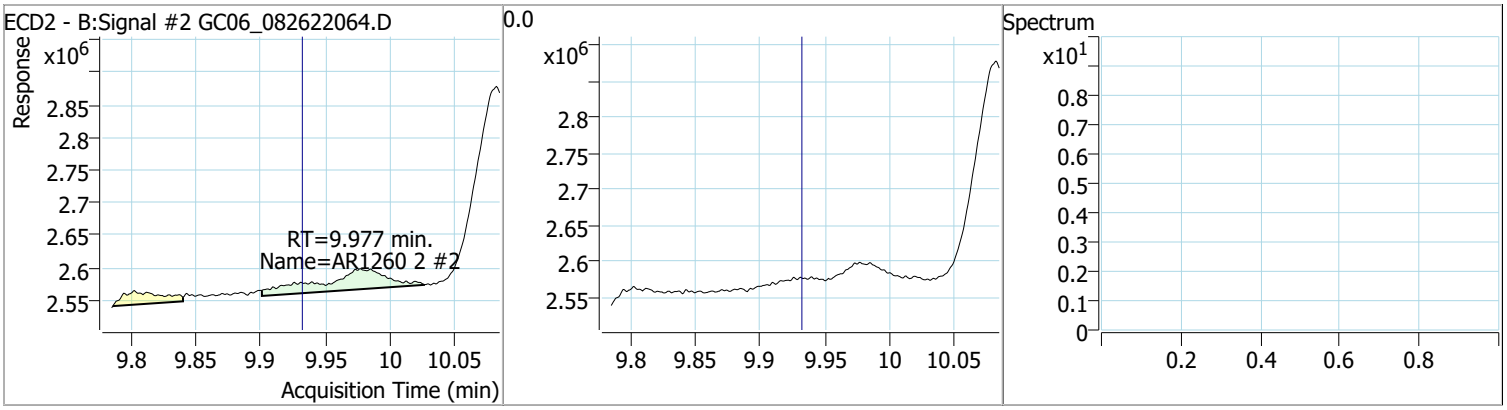
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	16.6088	9.58	0.02	365066				



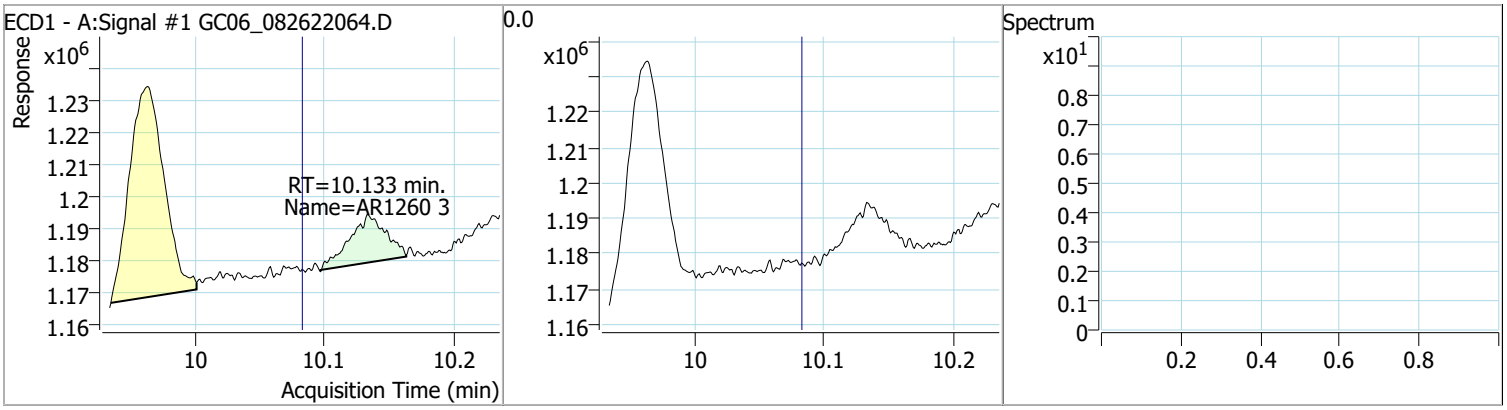
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.5335	9.62	0.01	3629				



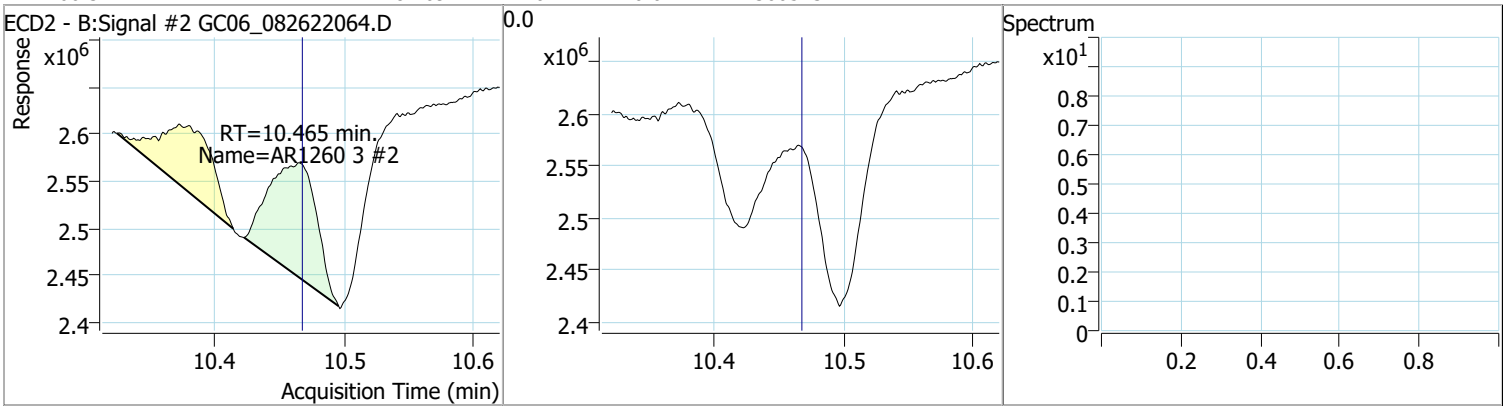
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	4.4731	9.98	0.04	113605				



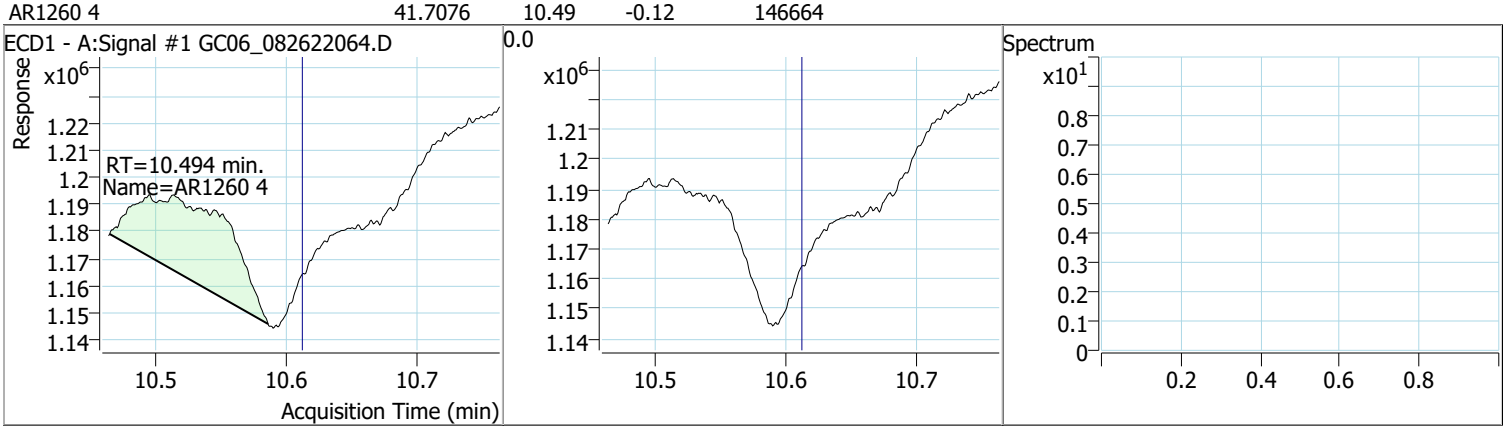
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	4.0946	10.13	0.05	28952				



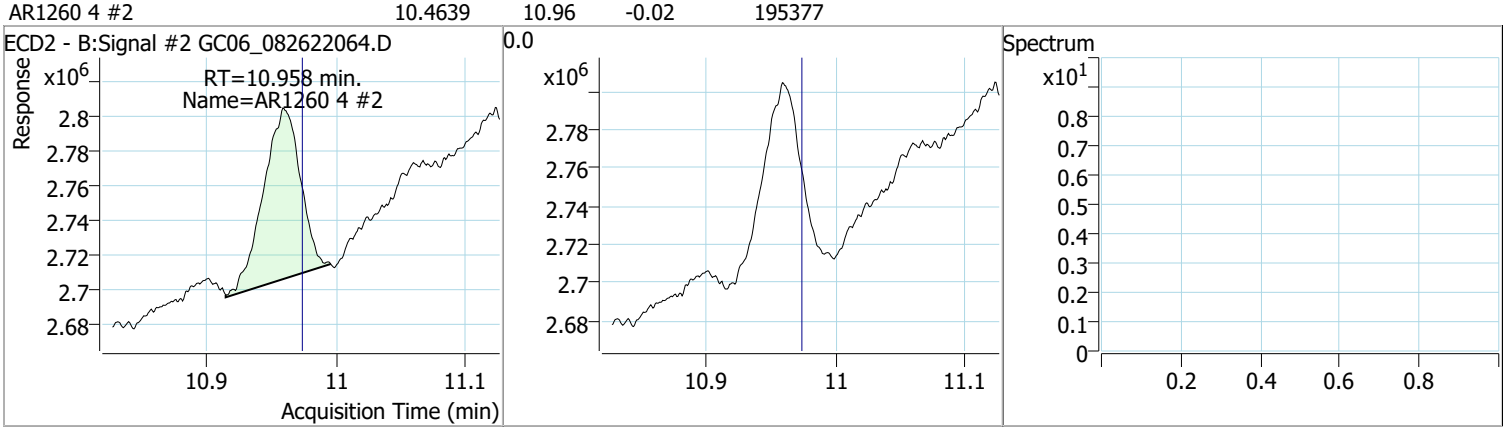
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	8.7094	10.47	-0.01	300523				



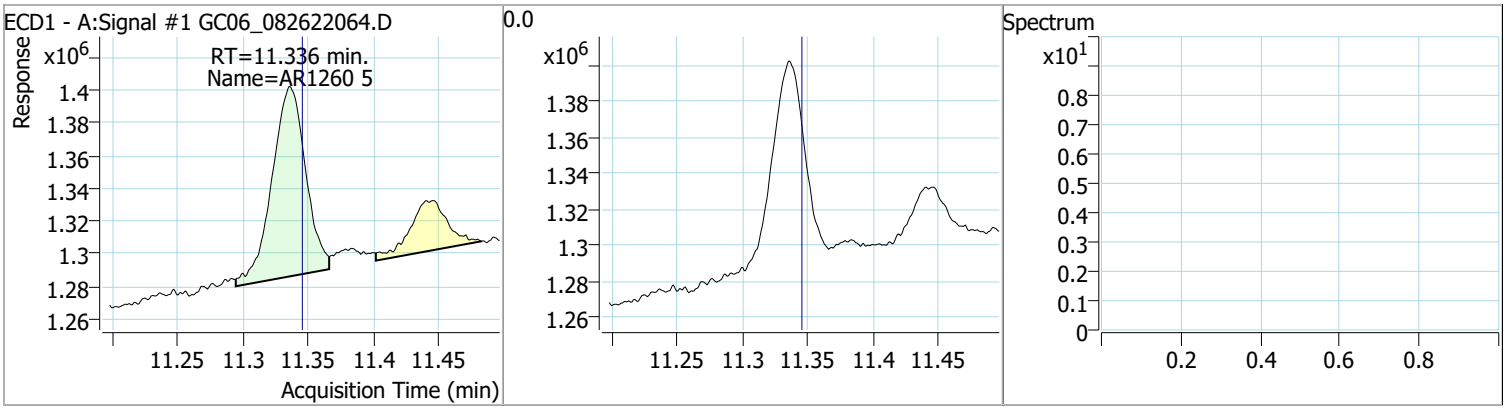
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	41.7076	10.49	-0.12	146664				



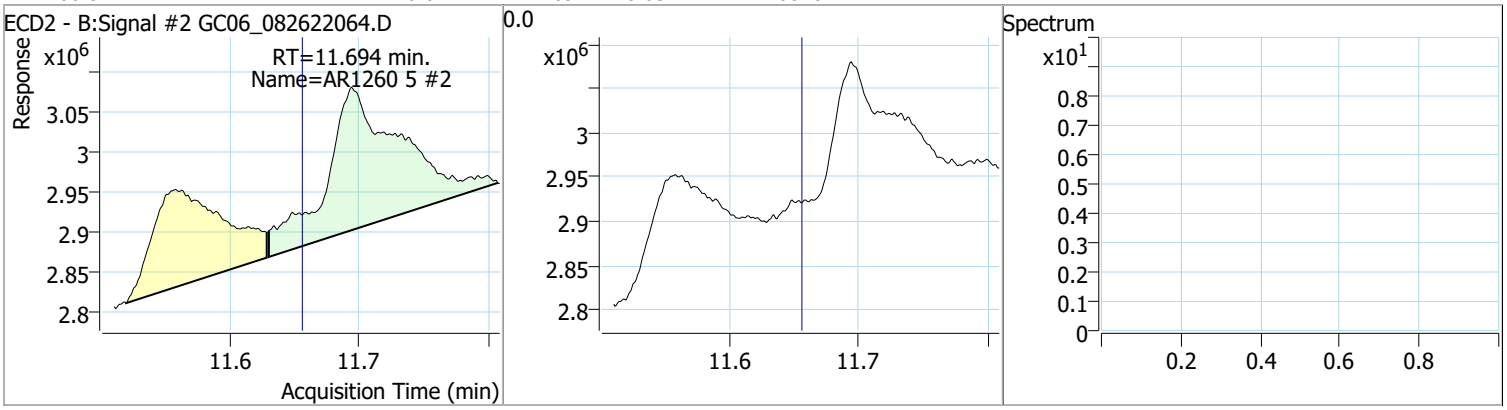
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	10.4639	10.96	-0.02	195377				



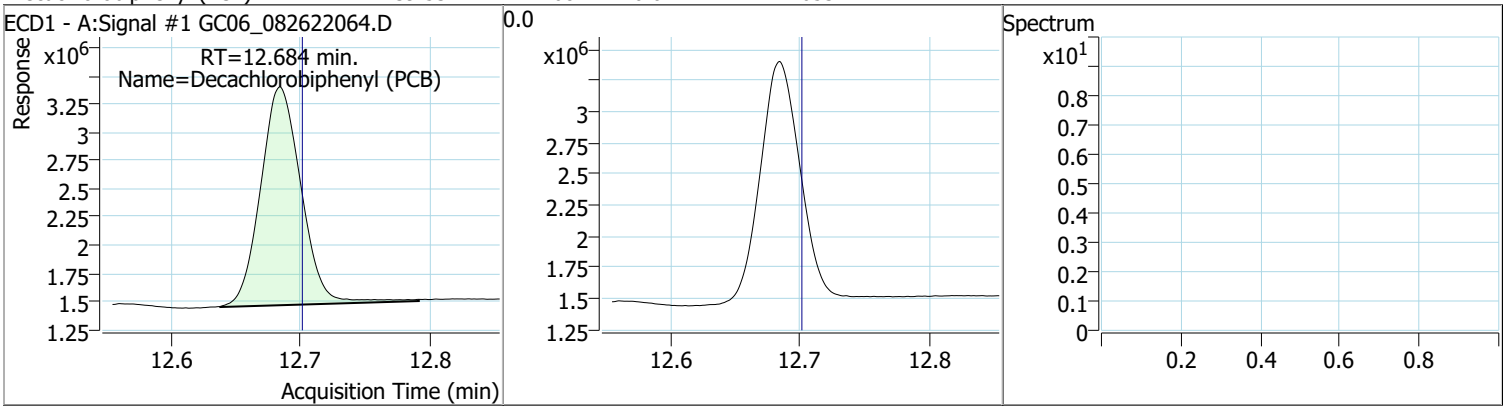
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	44.9848	11.34	-0.01	209366				



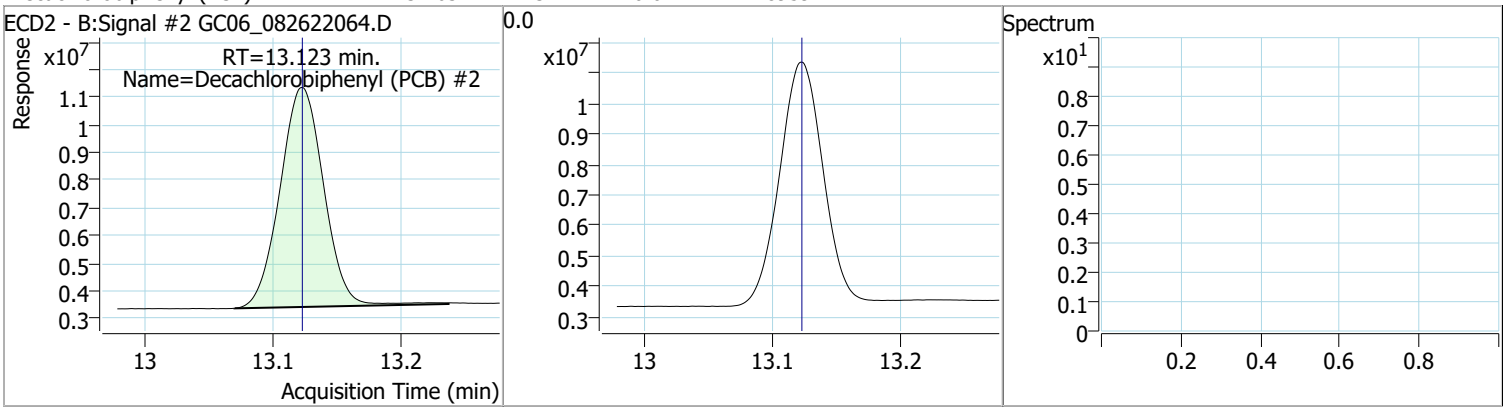
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	26.0414	11.69	0.03	716870				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.5314	12.68	-0.02	4217653				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	43.2634	13.12	-0.01	18959244				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467872-026	Client ID:	DOOR-N-0.5GE-INT-16 TO 17-220823-P-CB
Seqnum:	452343556065	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622065	Batch:	295631	Time:	27-AUG-2022 08:23
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	67.38	~~1.3~~ ~~FP~~	0.48	95%	1.0		x u
Aroclor-1016 Peak # 1	A	68.01	1.36	1.19	13%			
Aroclor-1016 Peak # 2	A	1.167	0.02	0.49	182%			
Aroclor-1016 Peak # 3	A	4.590	0.09	0.47	135%			
Aroclor-1016 Peak # 4	A	167.8	3.36	0.20	177%			
Aroclor-1016 Peak # 5	A	95.35	1.91	0.03	194%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	21.00	ND	0.22	64%	1.0		c+ u
Aroclor-1260 Peak # 1	A	33.27	0.67	0.08	156%			
Aroclor-1260 Peak # 2	A	3.730	0.07	0.44	142%			
Aroclor-1260 Peak # 3	A	0.2559	0.01	0.17	188%			
Aroclor-1260 Peak # 4	A	36.91	0.74	0.14	138%			
Aroclor-1260 Peak # 5	A	30.83	0.62	0.26	83%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	46.97	1.000	0.9394	94	52-186	c+ u
Decachlorobiphenyl (PCB)	A	41.89	1.000	0.8377	84	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622054)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9640442	7333718	-23.93
1-bromo-2-nitrobenzene (PCB)	A	1993573	1385792	-30.49

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

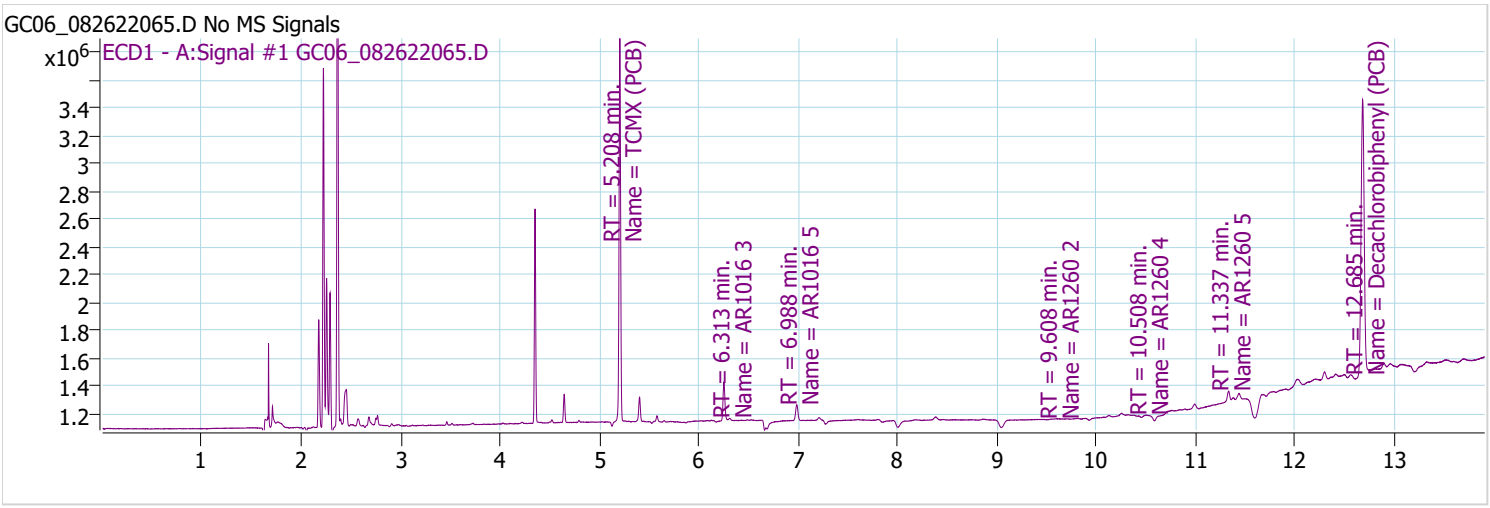
ISTD (CCV gc06_082622054)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.12	4.12	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.35	-0.01

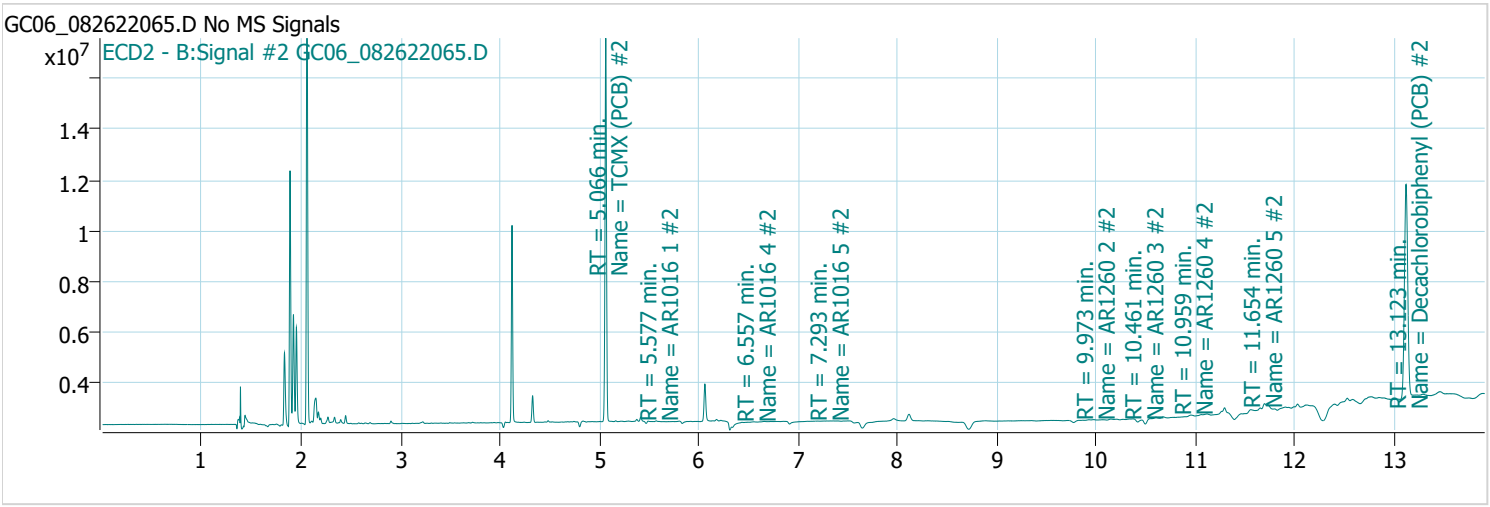
Analyst: TRN 08/29/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622065.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/27/2022 8:23:40 AM
Sample Name	467872-026, 295631, 1	Instrument	SVOA-GC06
Vial	36	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



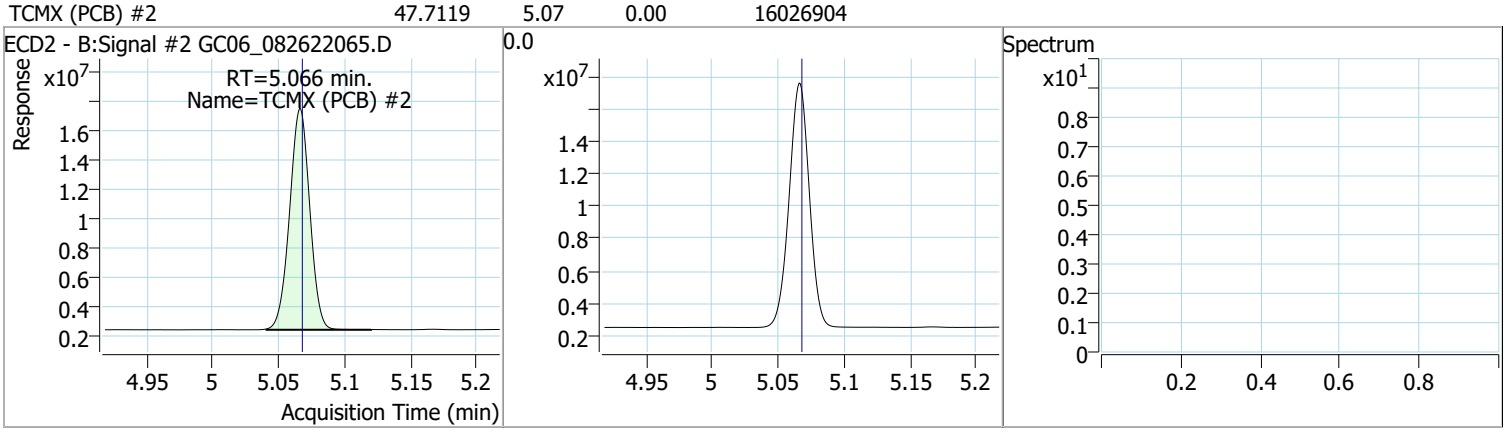


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	7333718.364	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB)	4.354	0.0	1385792.324	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB) #2	5.066	0.0	16026904.348	47.7119	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 238.56%		*	
S TCMX (PCB)	5.208	0.0	3130016.007	46.9570	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 234.78%		*	
S Decachlorobiphenyl (PCB)	12.685	0.0	4412306.525	41.8753	ng/ml		-0.021
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 209.38%		*	
S Decachlorobiphenyl (PCB) #2	13.123	0.0	19573882.836	44.2316	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 221.16%		*	
Target Compounds							QValue

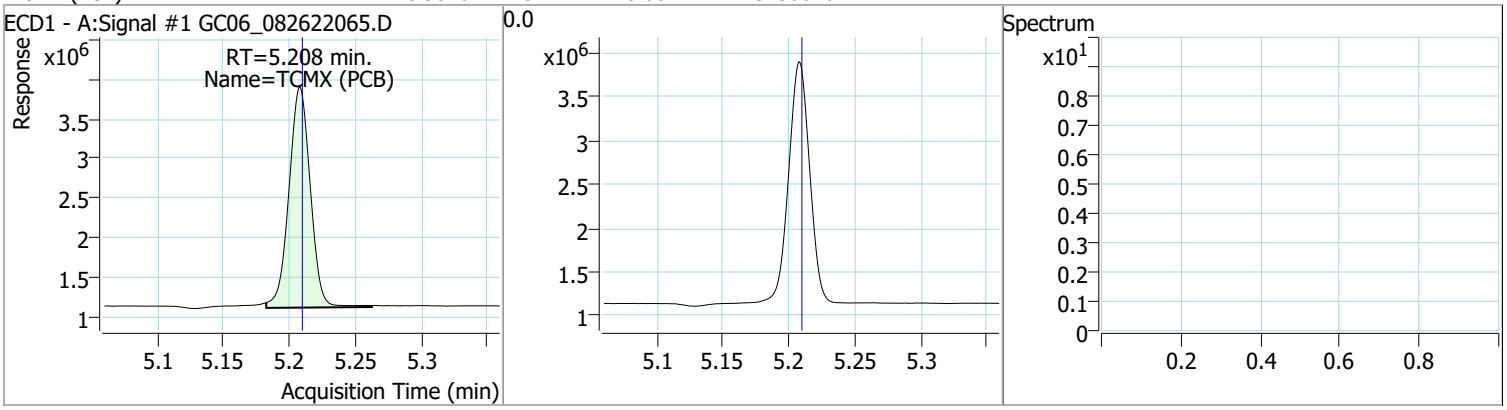
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.577	0.0	409665.063	59.6501	ng/ml	100
T AR1016 1	5.582	0.0	92174.627	67.9980	ng/ml	100
T AR1016 2 #2	5.915	0.0	351328.115	24.6504	ng/ml	100
T AR1016 2	5.850	0.0	3443.329	1.1666	ng/ml	100
T AR1016 3 #2	6.519	0.0	443293.320	23.5844	ng/ml	100
T AR1016 3	6.313	0.0	15941.525	4.5893	ng/ml	100
T AR1016 4	6.532	0.0	436001.665	167.7268	ng/ml	100
T AR1016 4 #2	6.557	0.0	129904.436	10.1871	ng/ml	100
T AR1016 5	6.988	0.0	191682.613	95.3260	ng/ml	100
T AR1016 5 #2	7.293	0.0	13252.903	1.3293	ng/ml	100
T AR1260 1	9.186	0.0	145077.995	33.2661	ng/ml	100
T AR1260 1 #2	9.570	0.0	92086.906	4.1488	ng/ml	100
T AR1260 2	9.608	0.0	25050.774	3.7294	ng/ml	100
T AR1260 2 #2	9.973	0.0	565272.872	22.0405	ng/ml	100
T AR1260 3	10.231	0.0	1786.216	0.2558	ng/ml	100
T AR1260 3 #2	10.461	0.0	288993.110	8.2938	ng/ml	100
T AR1260 4	10.508	0.0	128164.716	36.9048	ng/ml	100
T AR1260 4 #2	10.959	0.0	128429.098	6.8114	ng/ml	100
T AR1260 5	11.337	0.0	141667.870	30.8214	ng/ml	100
T AR1260 5 #2	11.654	0.0	354849.252	12.7651	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

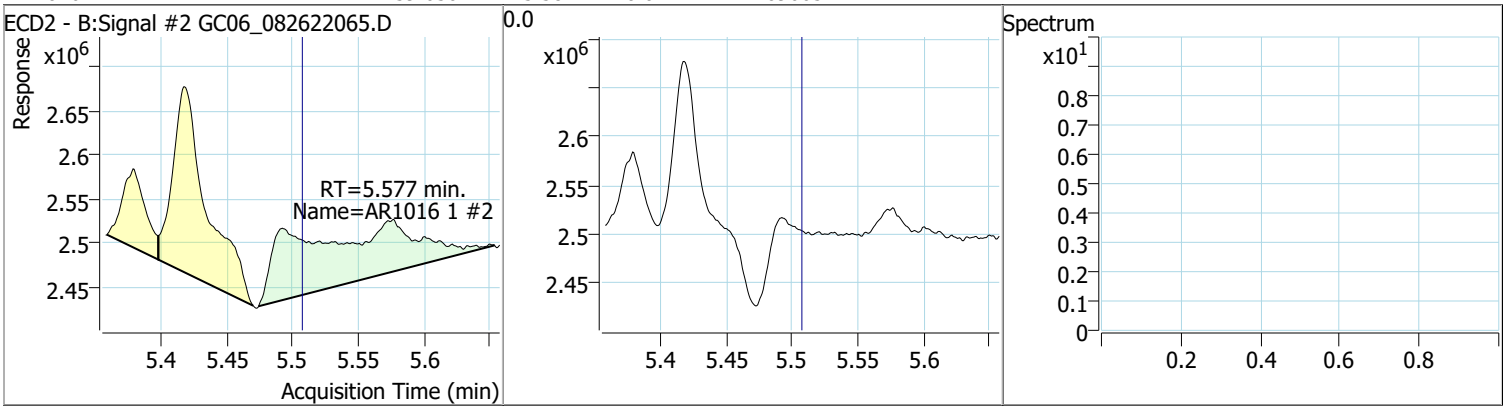
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	47.7119	5.07	0.00	16026904				



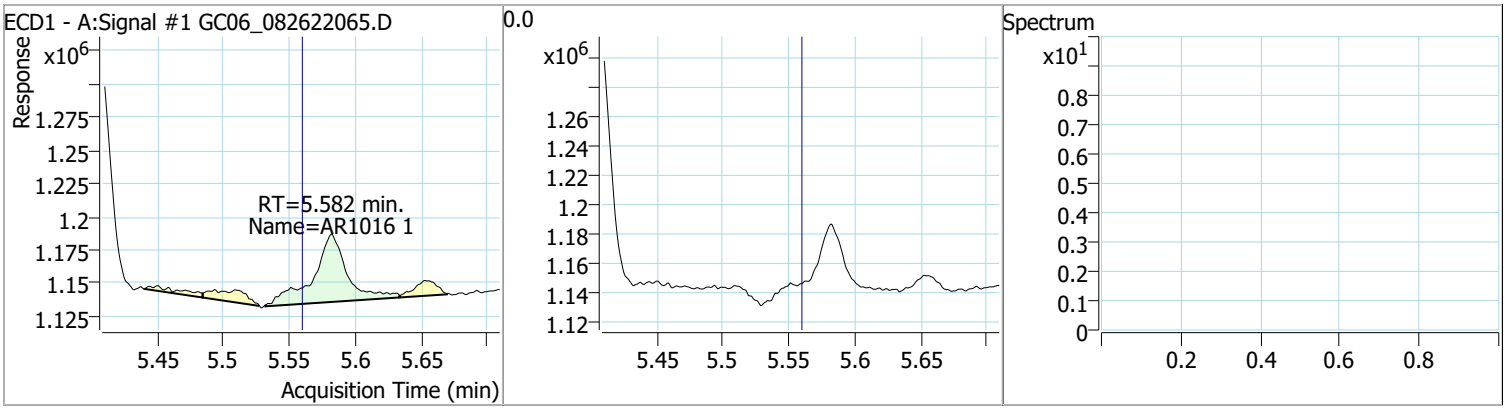
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	46.9570	5.21	0.00	3130016				



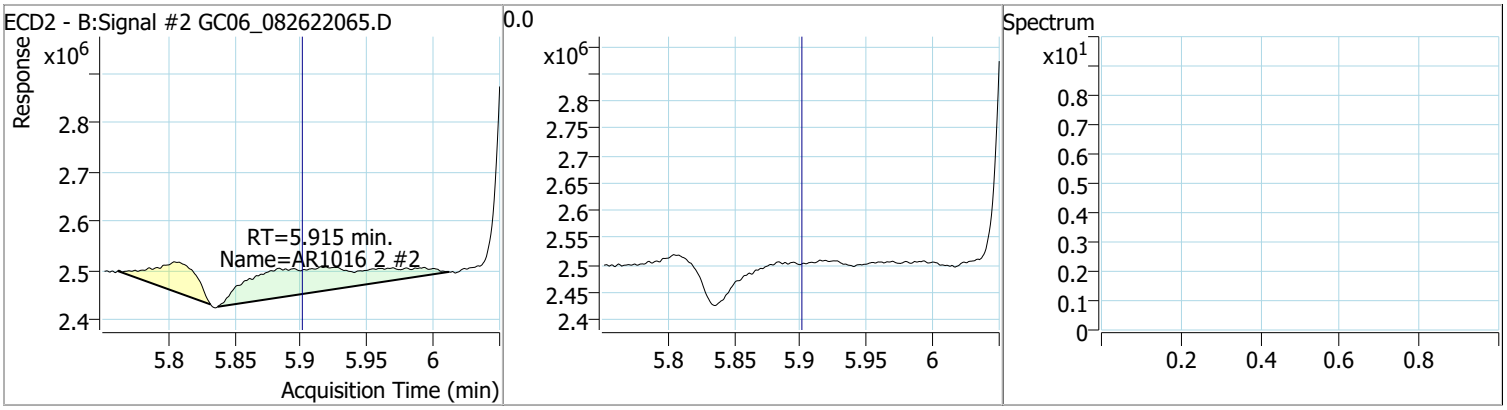
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	59.6501	5.58	0.07	409665				



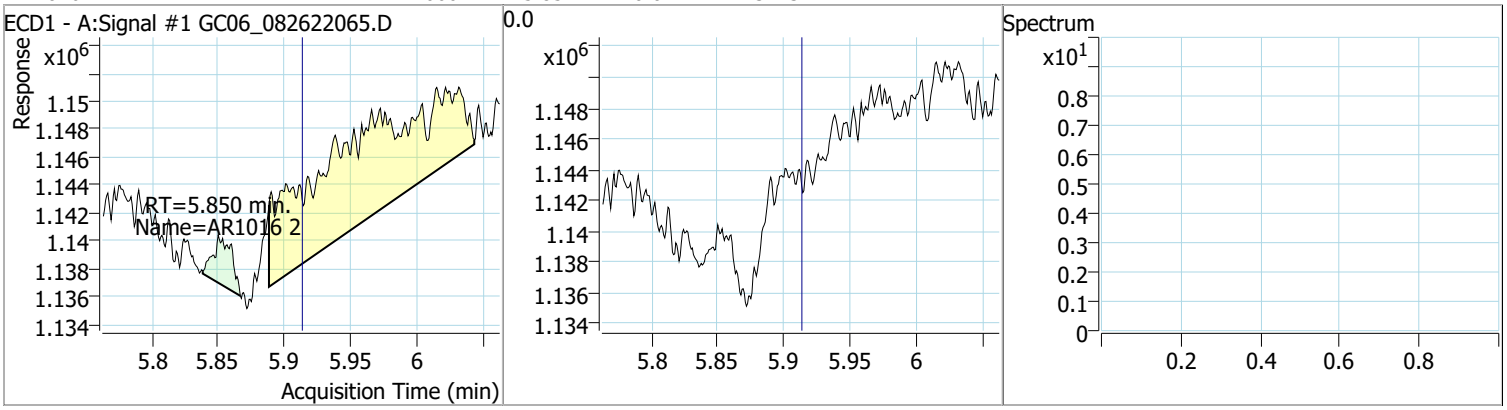
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	67.9980	5.58	0.02	92175				



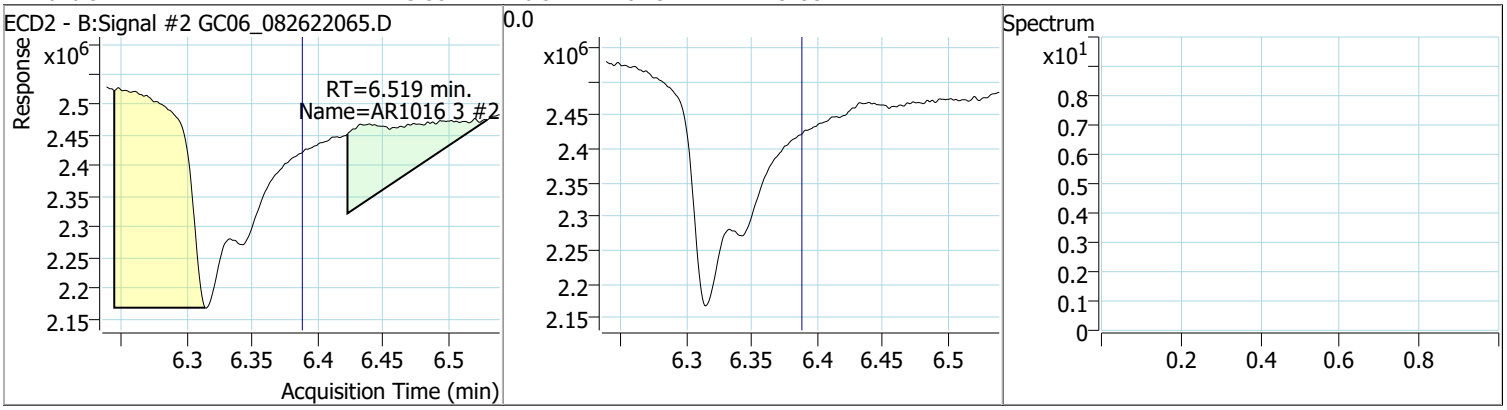
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	24.6504	5.92	0.01	351328				



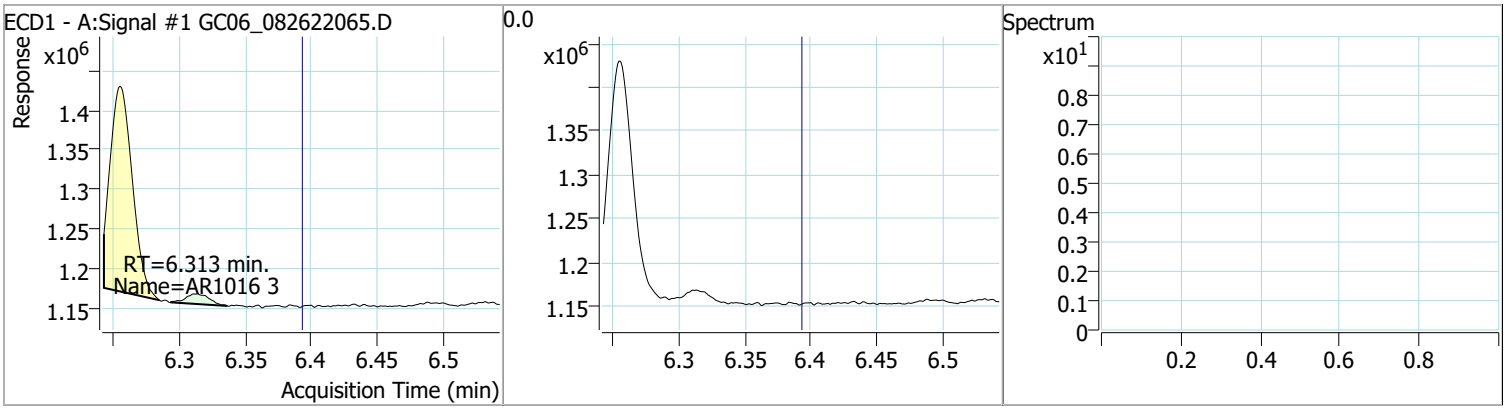
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.1666	5.85	-0.07	3443				



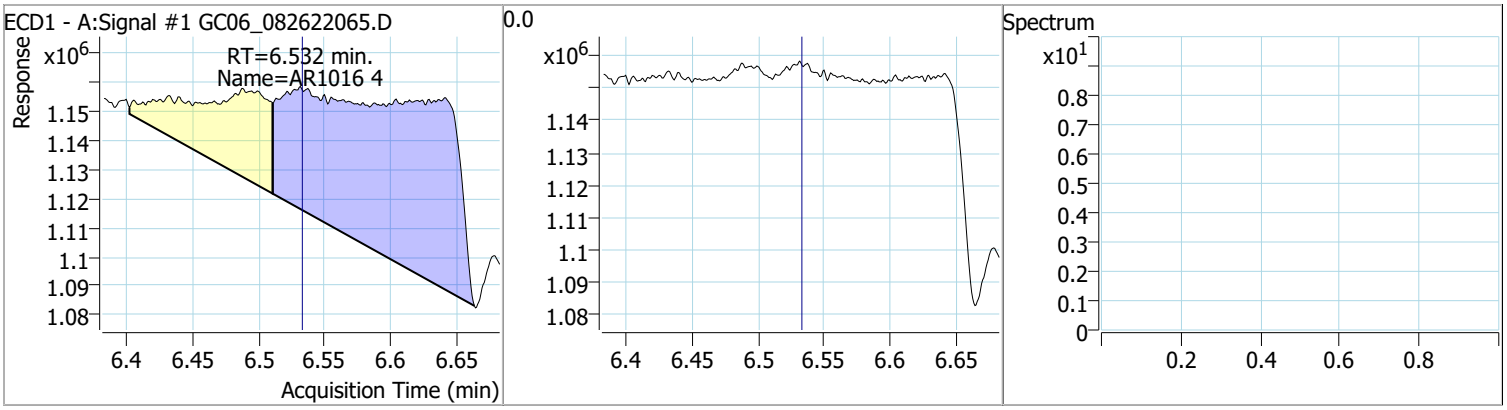
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	23.5844	6.52	0.13	443293				



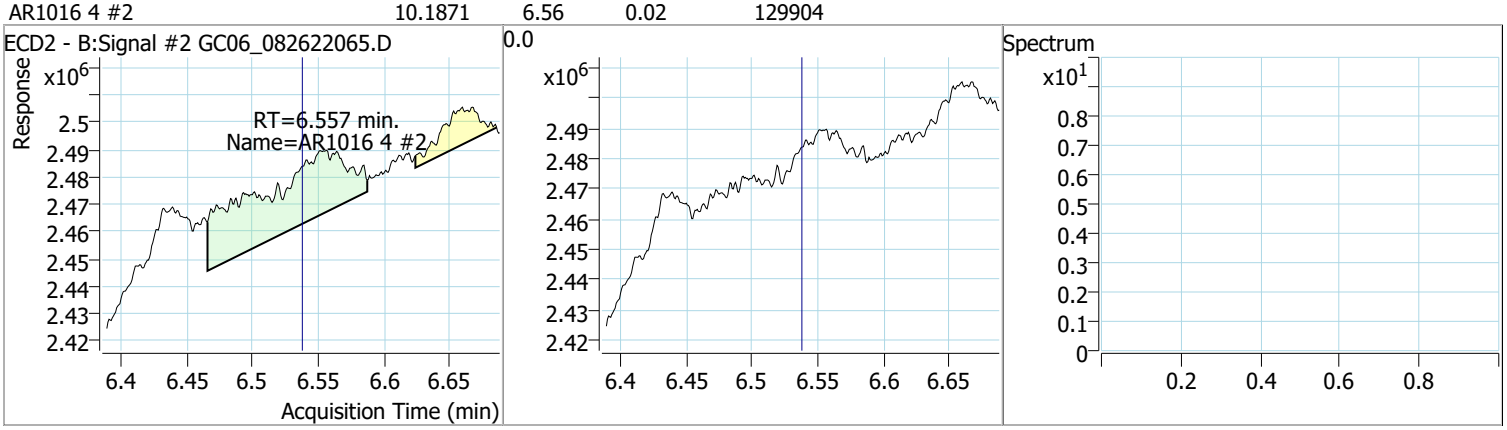
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	4.5893	6.31	-0.08	15942				



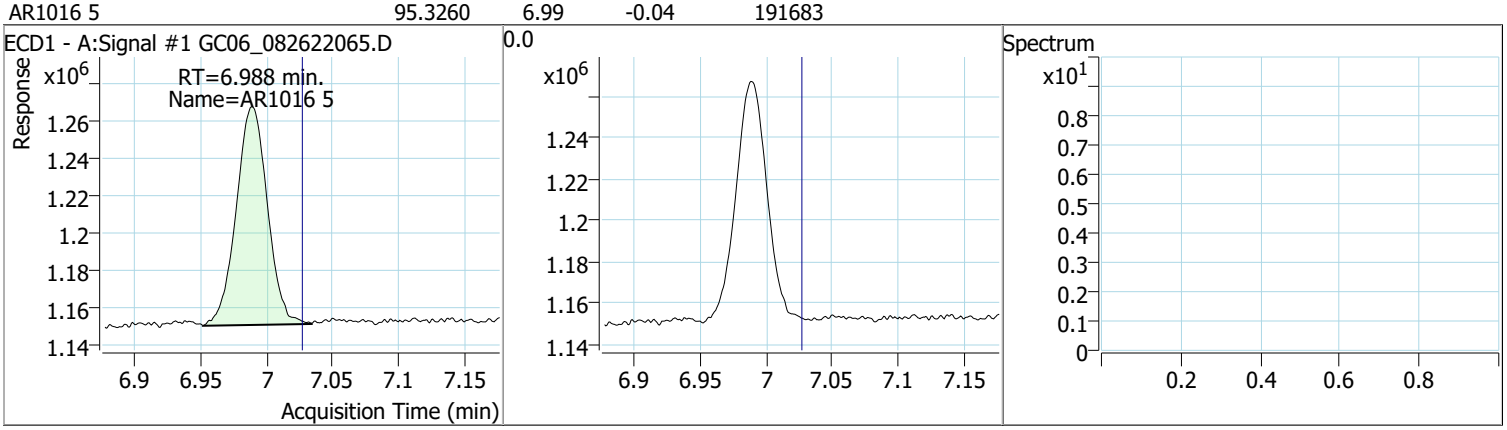
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	167.7268	6.53	0.00	436002				



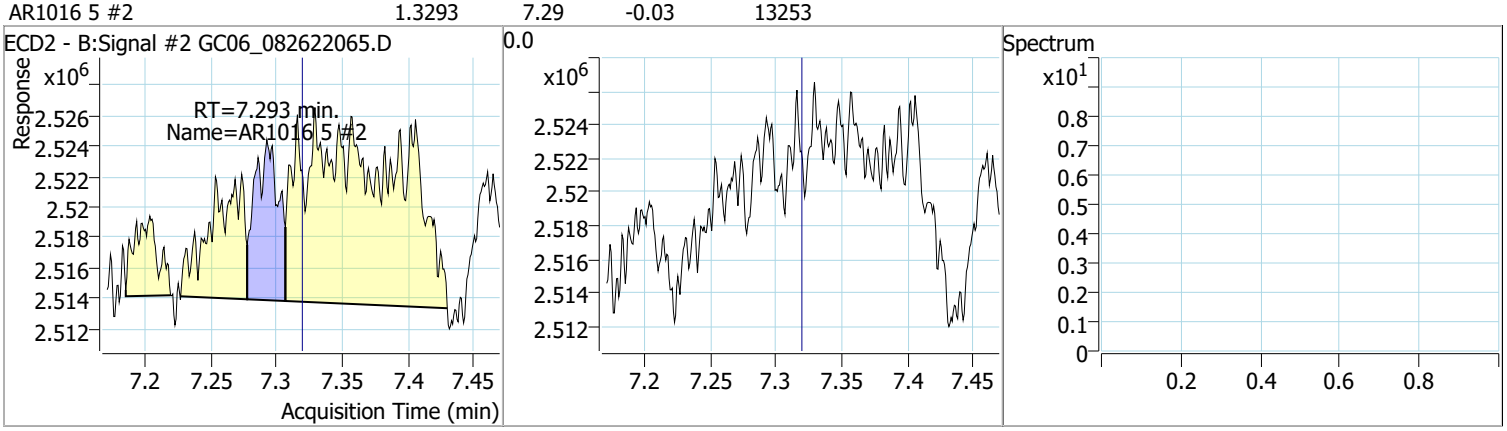
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	10.1871	6.56	0.02	129904				



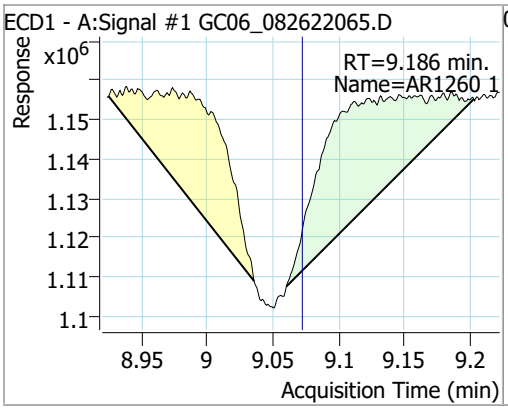
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	95.3260	6.99	-0.04	191683				

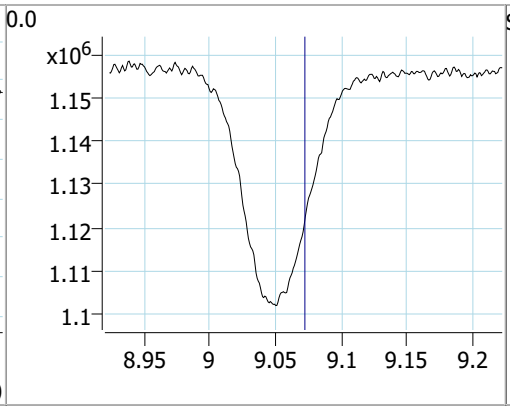


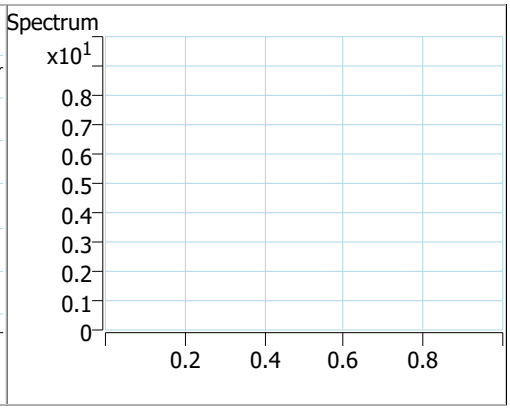
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.3293	7.29	-0.03	13253				



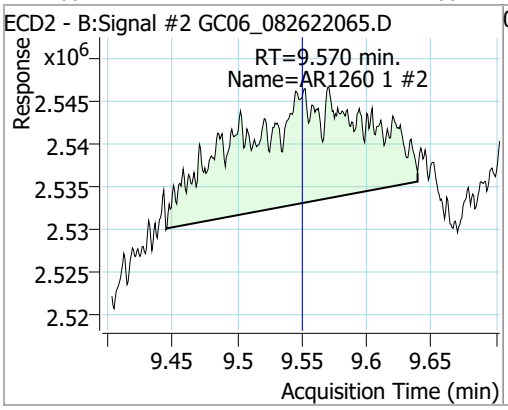
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	33.2661	9.19	0.11	145078				

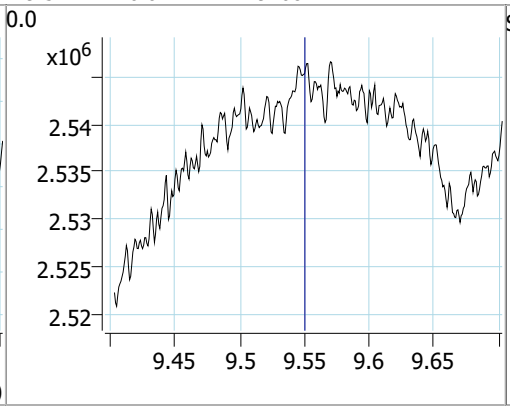


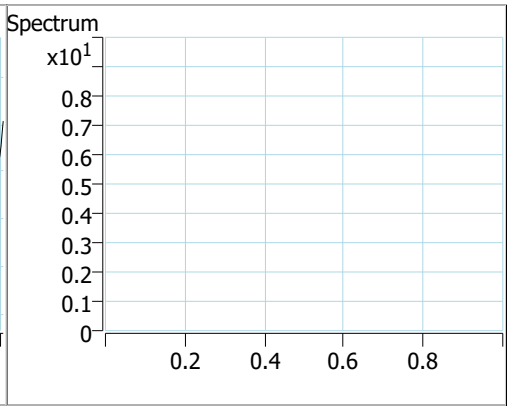




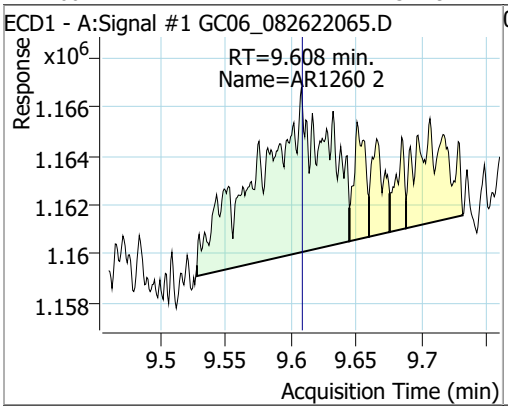
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	4.1488	9.57	0.02	92087				

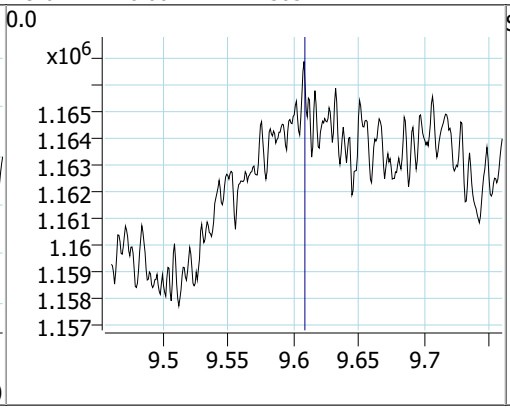


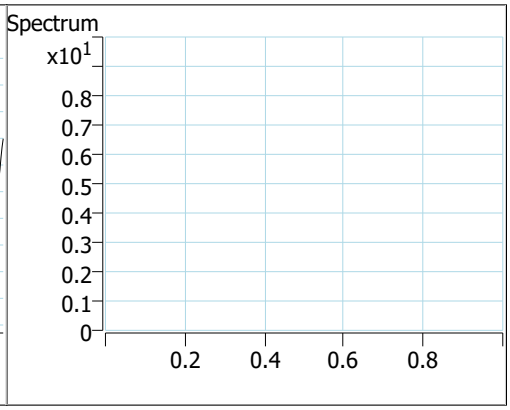




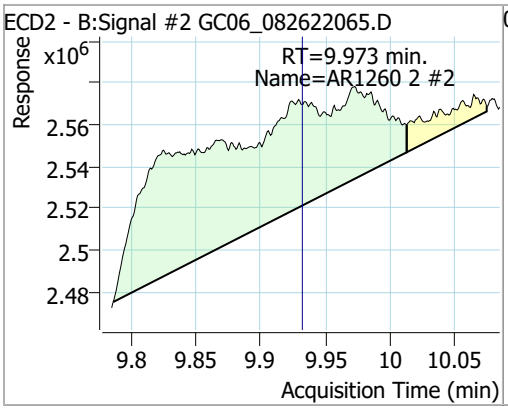
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	3.7294	9.61	0.00	25051				

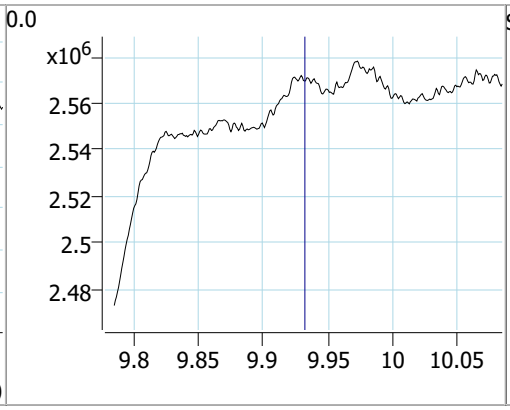


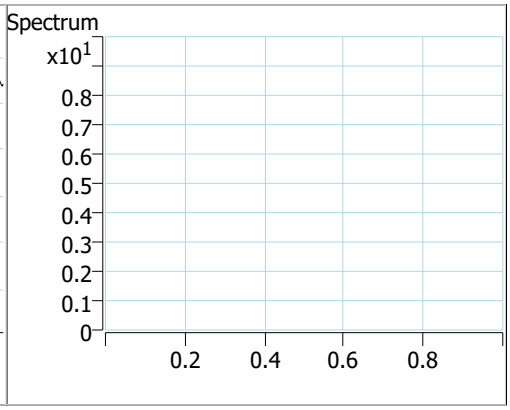




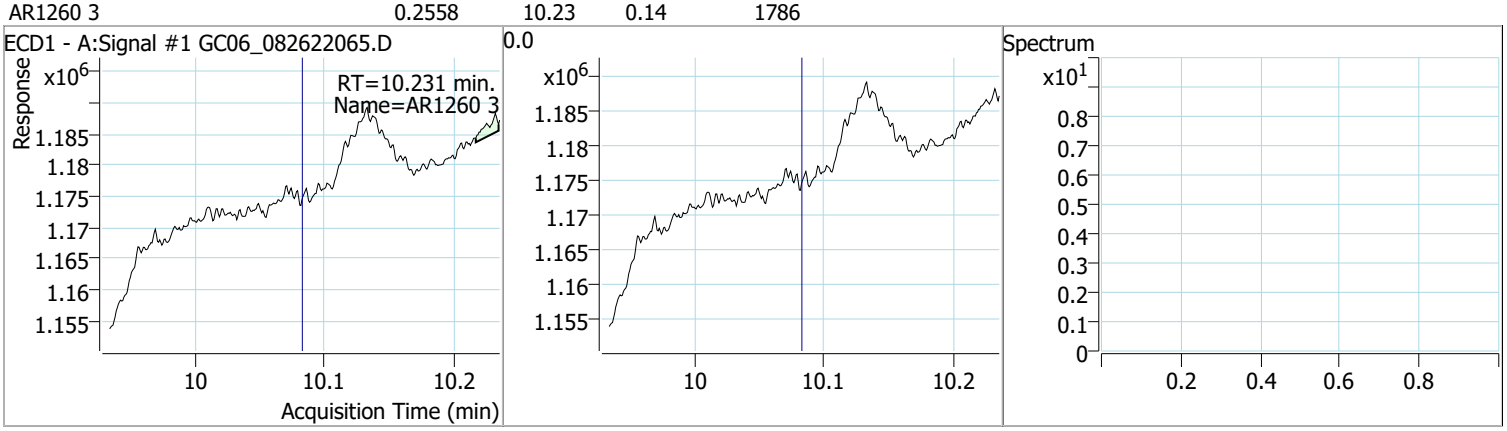
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	22.0405	9.97	0.04	565273				



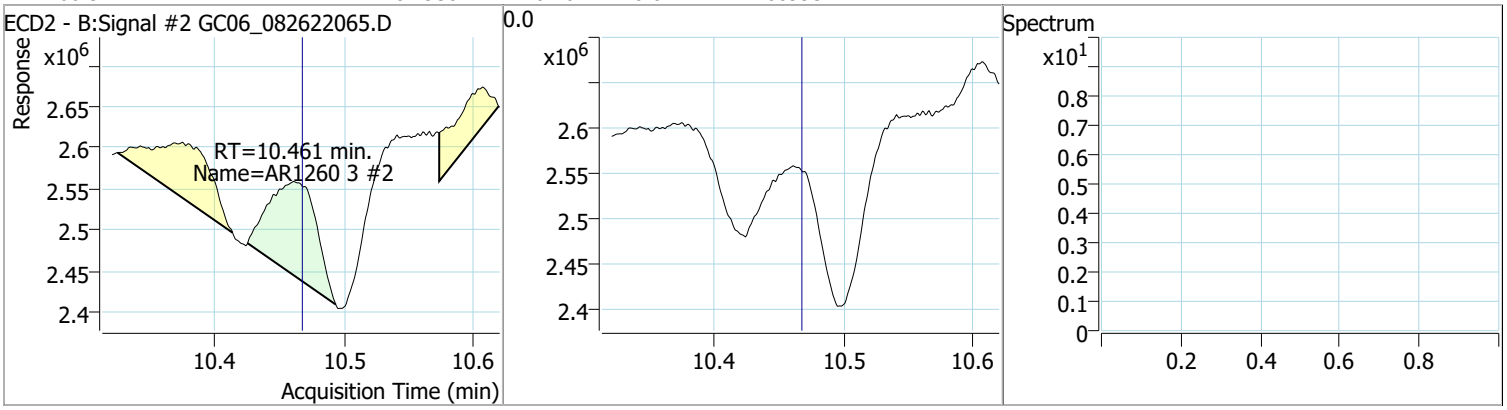




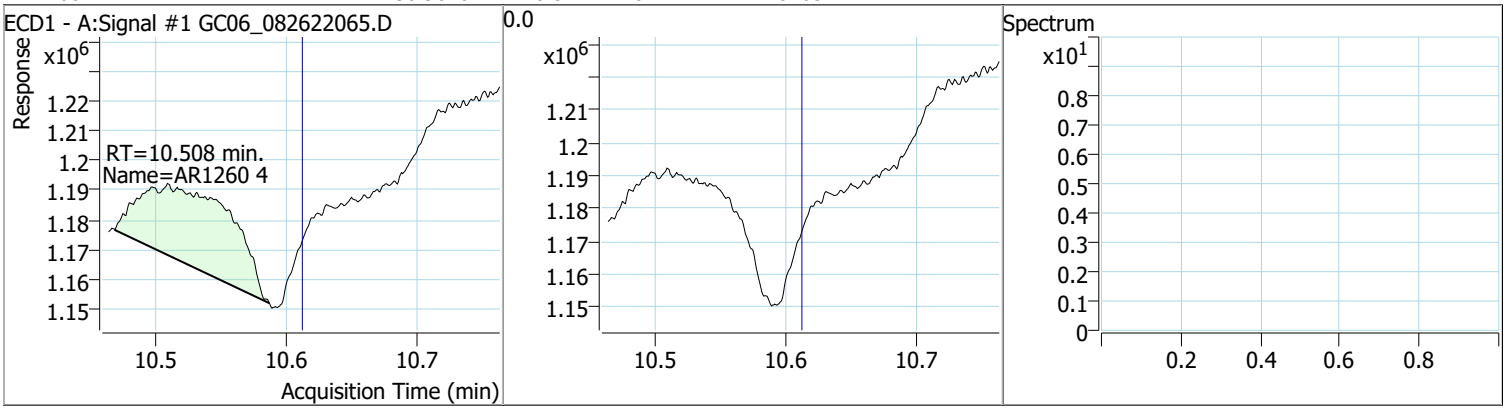
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.2558	10.23	0.14	1786				



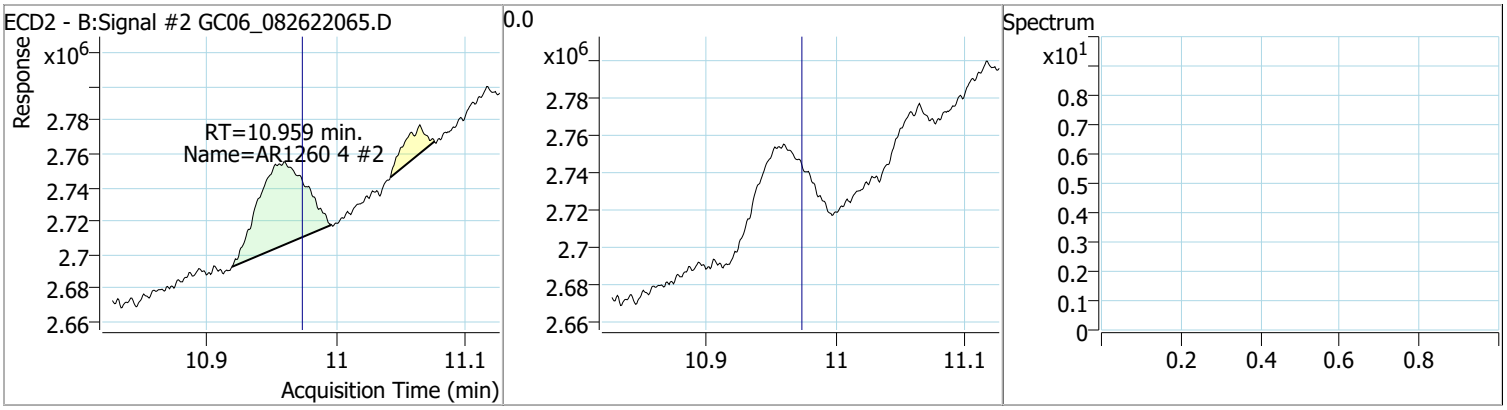
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	8.2938	10.46	-0.01	288993				



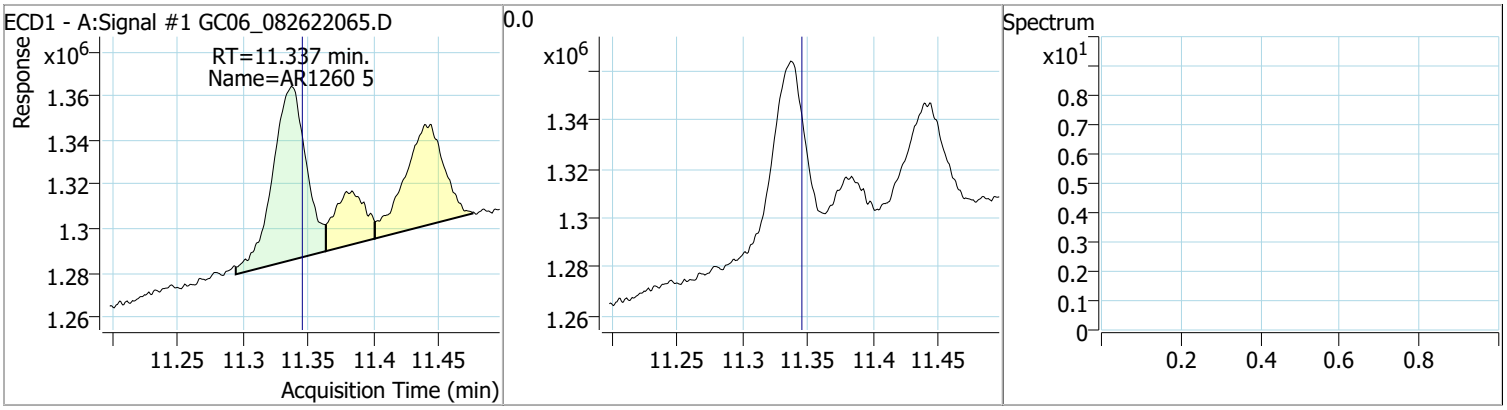
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	36.9048	10.51	-0.11	128165				



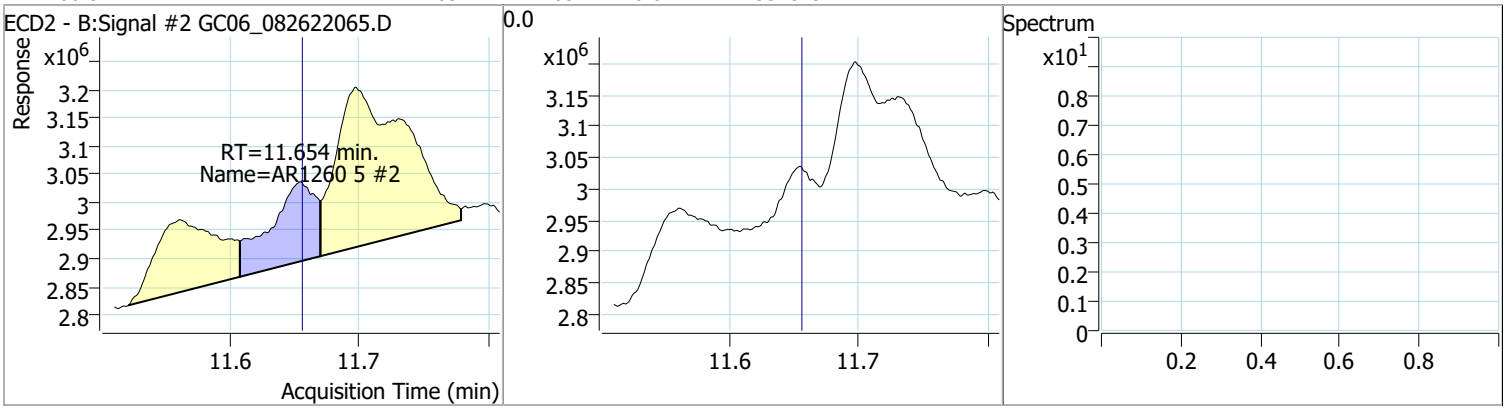
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	6.8114	10.96	-0.02	128429				



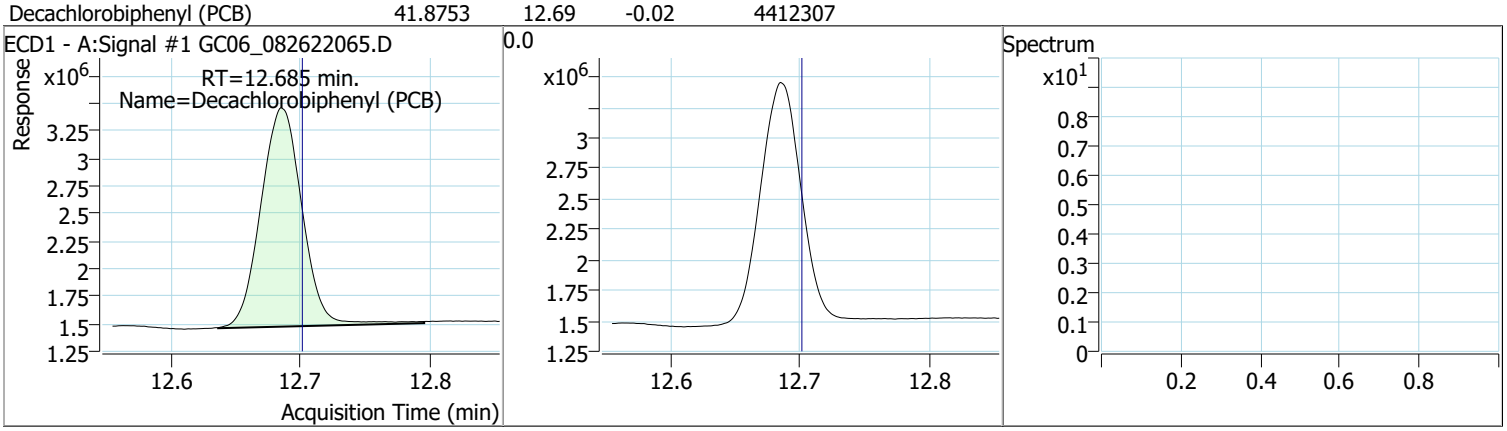
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	30.8214	11.34	-0.01	141668				



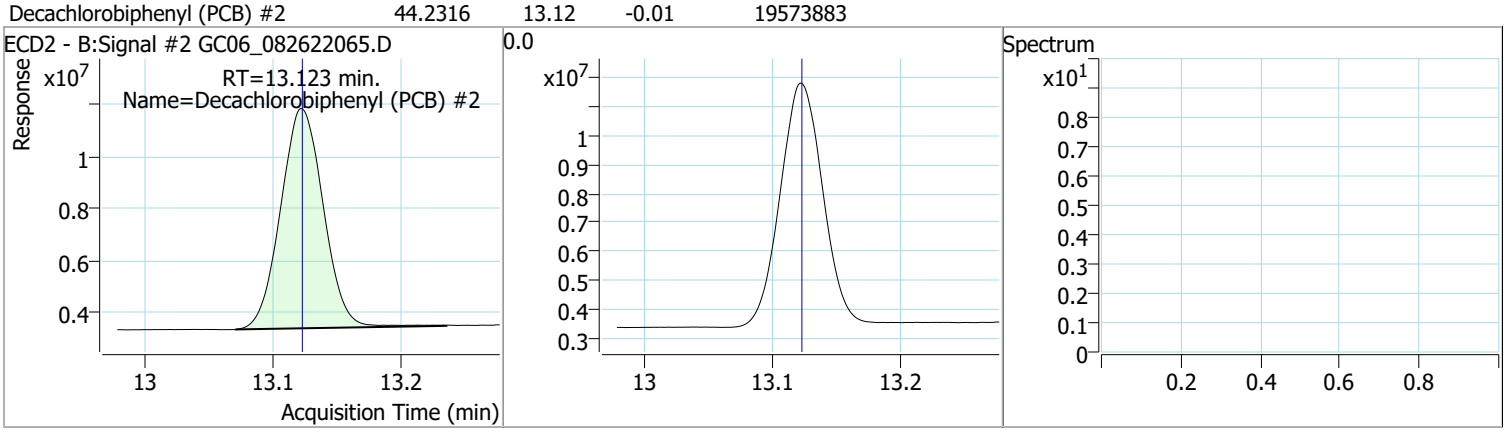
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	12.7651	11.65	-0.01	354849				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	41.8753	12.69	-0.02	4412307				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	44.2316	13.12	-0.01	19573883				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467872-029	Client ID:	AFRAME-C1E-MED-L1-HS-3-220823-P-A
Seqnum:	452343556066	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622066	Batch:	295631	Time:	27-AUG-2022 08:41
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	61.12	~~1.2~~ ~~FP~~	0.32	117%	1.0		x u
Aroclor-1016 Peak # 1	A	54.14	1.08	1.05	3%			
Aroclor-1016 Peak # 2	A	0.6327	0.01	0.25	181%			
Aroclor-1016 Peak # 3	A	4.322	0.09	0.03	85%			
Aroclor-1016 Peak # 4	A	179.8	3.60	0.23	176%			
Aroclor-1016 Peak # 5	A	66.73	1.33	0.04	189%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	24.65	ND	0.37	29%	1.0		c+ u
Aroclor-1260 Peak # 1	A	34.17	0.68	0.33	71%			
Aroclor-1260 Peak # 2	A	13.19	0.26	0.04	153%			
Aroclor-1260 Peak # 3	A	19.50	0.39	0.18	76%			
Aroclor-1260 Peak # 4	A	28.79	0.58	0.16	113%			
Aroclor-1260 Peak # 5	A	27.60	0.55	1.14	69%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	38.83	1.000	0.7766	78	52-186	c+ u
Decachlorobiphenyl (PCB)	A	32.42	1.000	0.6485	65	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622054)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9640442	7973240	-17.29
1-bromo-2-nitrobenzene (PCB)	A	1993573	1509062	-24.30

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

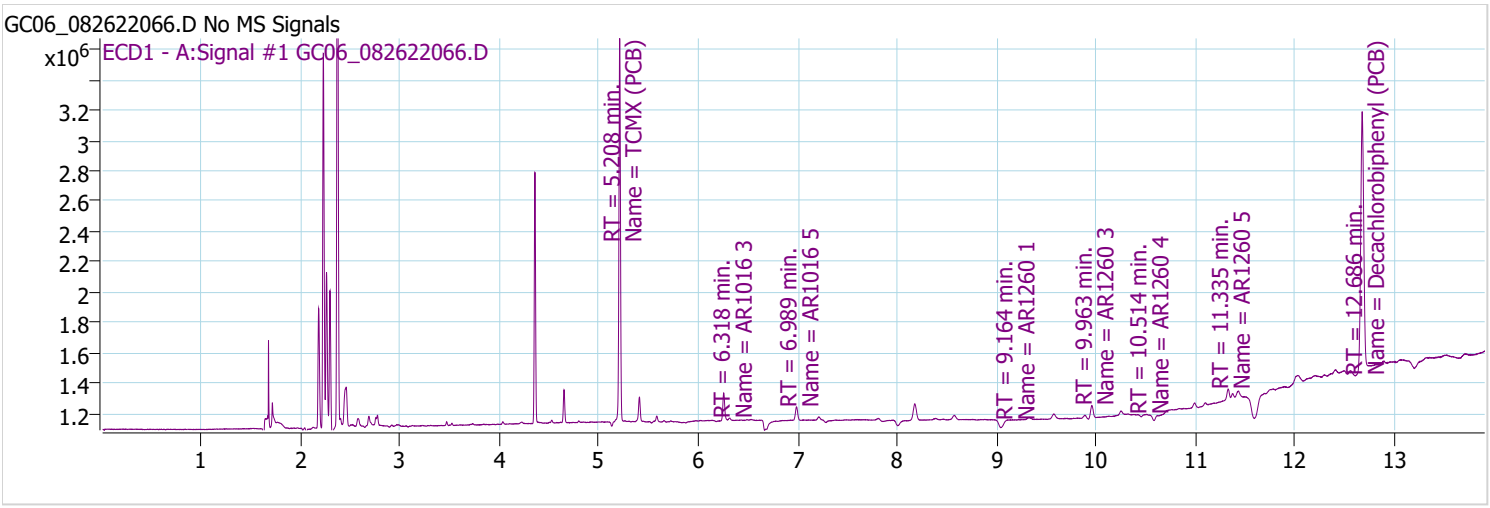
ISTD (CCV gc06_082622054)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.12	4.12	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.35	-0.01

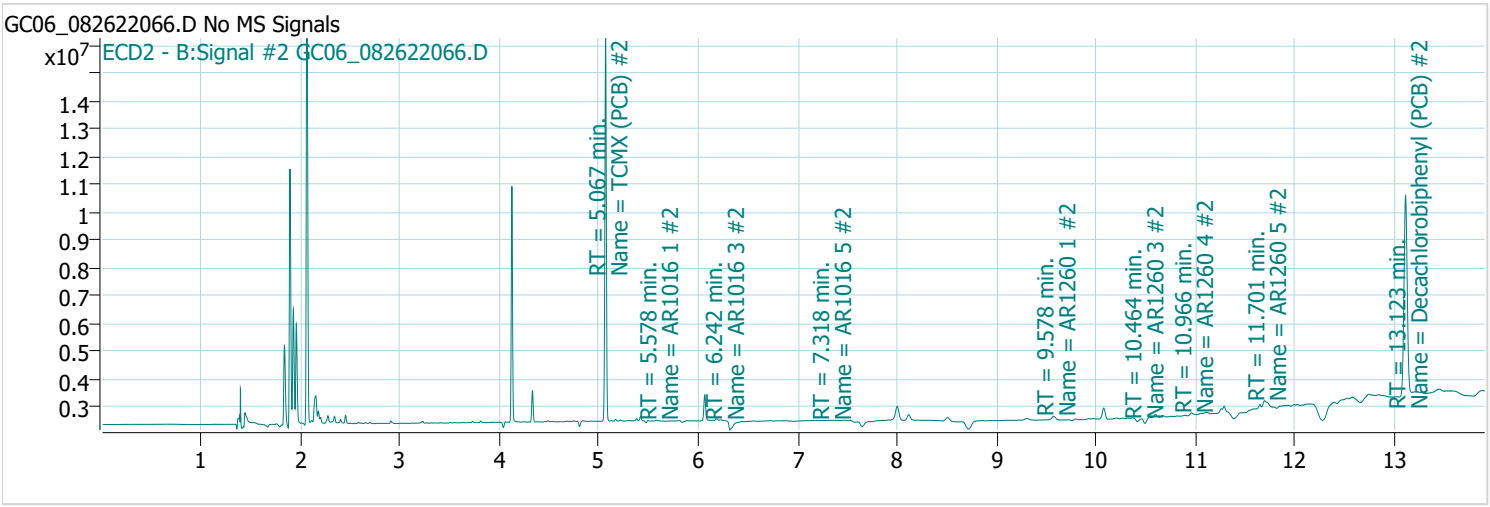
Analyst: TRN 08/29/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622066.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/27/2022 8:41:01 AM
Sample Name	467872-029, 295631, 1	Instrument	SVOA-GC06
Vial	37	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



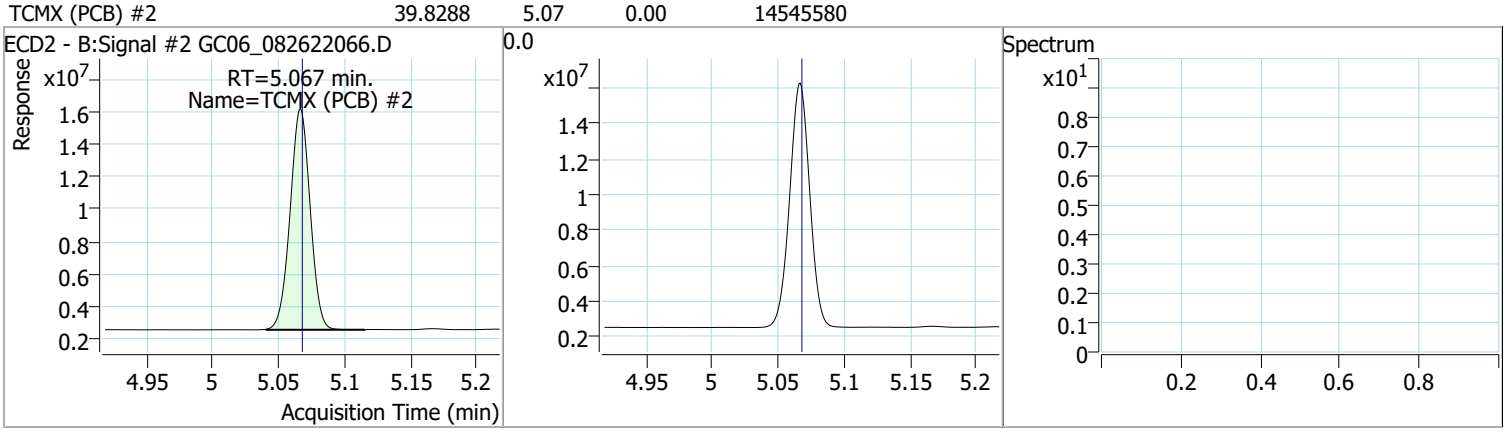


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	7973239.978	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB)	4.354	0.0	1509061.551	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB) #2	5.067	0.0	14545580.250	39.8288	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 199.14%		*	
S TCMX (PCB)	5.208	0.0	2817987.873	38.8225	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.11%		*	
S Decachlorobiphenyl (PCB)	12.686	0.0	3719364.594	32.4155	ng/ml		-0.020
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 162.08%		*	
S Decachlorobiphenyl (PCB) #2	13.123	0.0	16583714.482	34.4688	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 172.34%		*	
Target Compounds							QValue

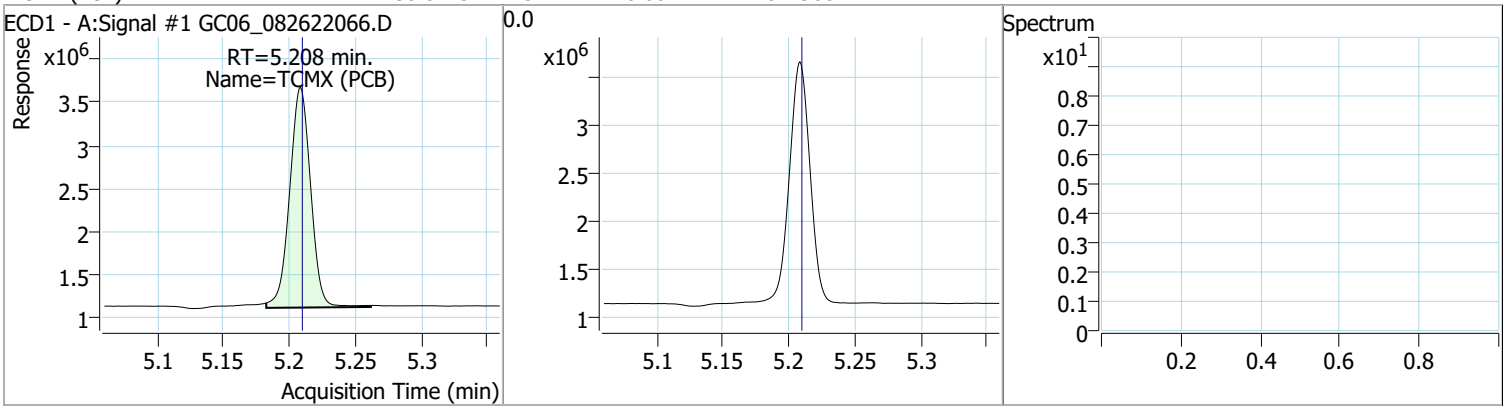
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.578	0.0	390999.264	52.3658	ng/ml	100
T AR1016 1	5.582	0.0	79893.163	54.1235	ng/ml	100
T AR1016 2 #2	5.884	0.0	192073.754	12.3957	ng/ml	100
T AR1016 2	5.853	0.0	2032.957	0.6325	ng/ml	100
T AR1016 3 #2	6.242	0.0	35679.918	1.7460	ng/ml	100
T AR1016 3	6.318	0.0	16346.057	4.3213	ng/ml	100
T AR1016 4	6.533	0.0	508791.552	179.7402	ng/ml	100
T AR1016 4 #2	6.555	0.0	159997.056	11.5405	ng/ml	100
T AR1016 5	6.989	0.0	146080.604	66.7133	ng/ml	100
T AR1016 5 #2	7.318	0.0	19988.343	1.8441	ng/ml	100
T AR1260 1	9.164	0.0	162235.374	34.1615	ng/ml	100
T AR1260 1 #2	9.578	0.0	394432.364	16.3450	ng/ml	100
T AR1260 2	9.580	0.0	96425.116	13.1824	ng/ml	100
T AR1260 2 #2	9.930	0.0	49337.817	1.7694	ng/ml	100
T AR1260 3	9.963	0.0	148205.004	19.4901	ng/ml	100
T AR1260 3 #2	10.464	0.0	332586.562	8.7793	ng/ml	100
T AR1260 4	10.514	0.0	108842.009	28.7808	ng/ml	100
T AR1260 4 #2	10.966	0.0	164365.362	8.0182	ng/ml	100
T AR1260 5	11.335	0.0	138127.794	27.5964	ng/ml	100
T AR1260 5 #2	11.701	0.0	1718735.730	56.8694	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

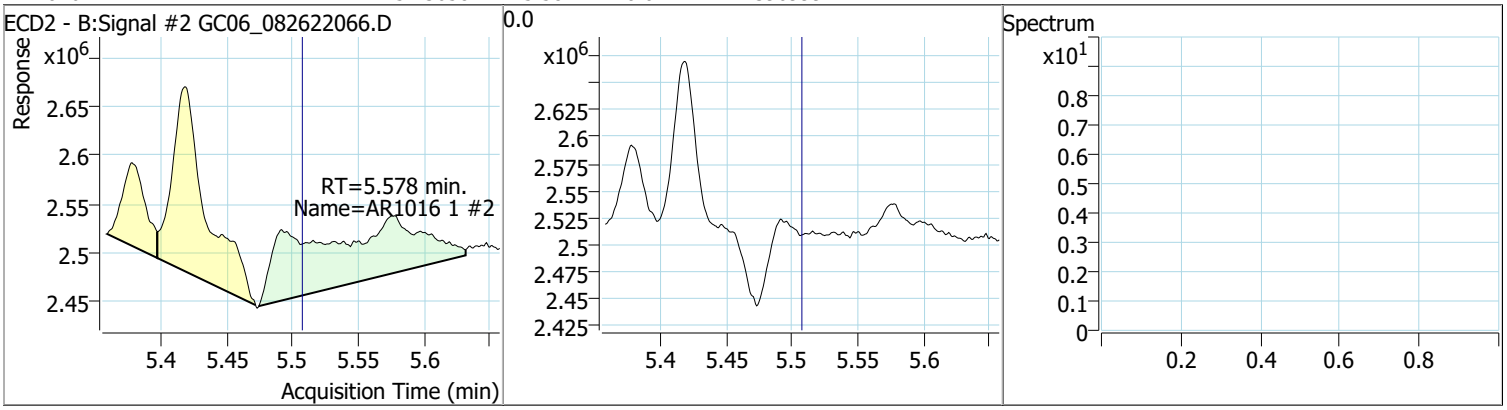
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.8288	5.07	0.00	14545580				



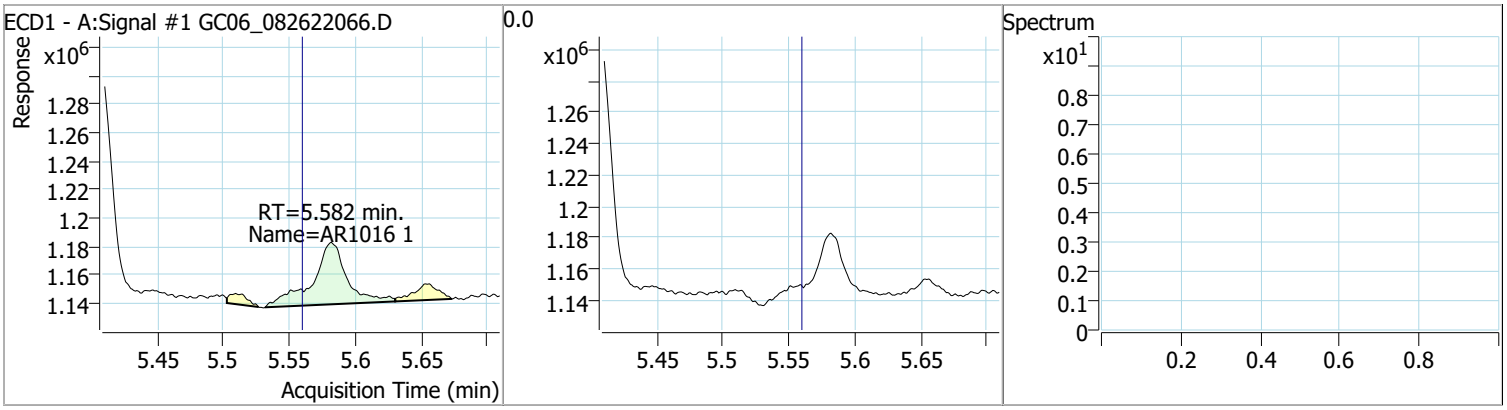
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	38.8225	5.21	0.00	2817988				



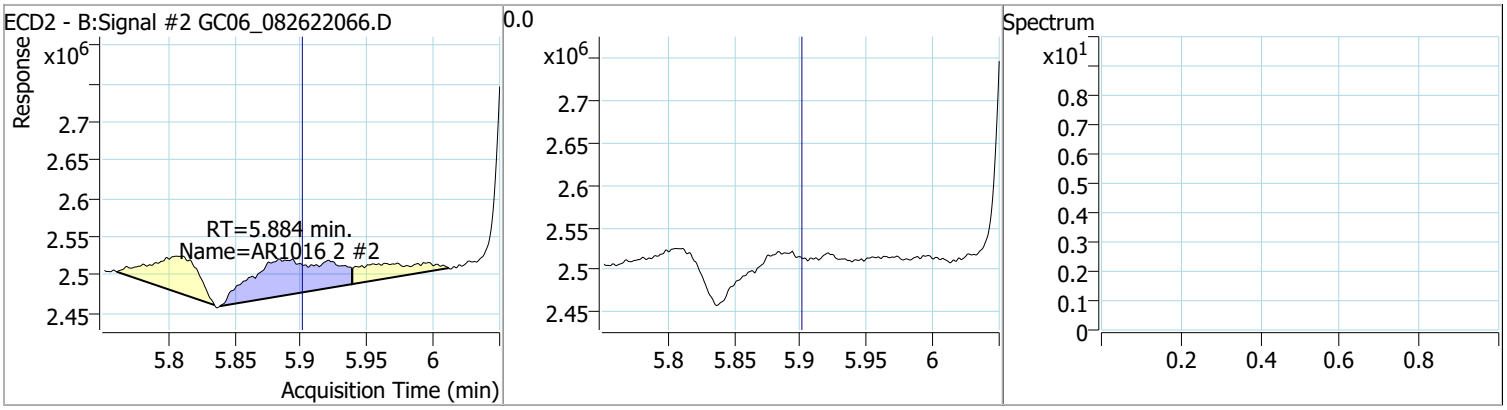
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	52.3658	5.58	0.07	390999				



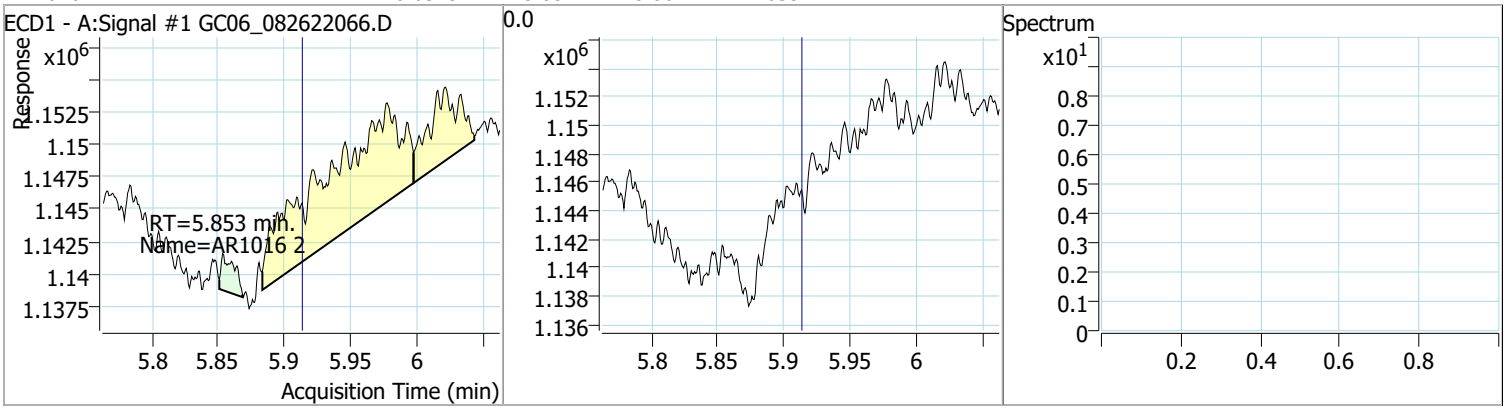
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	54.1235	5.58	0.02	79893				



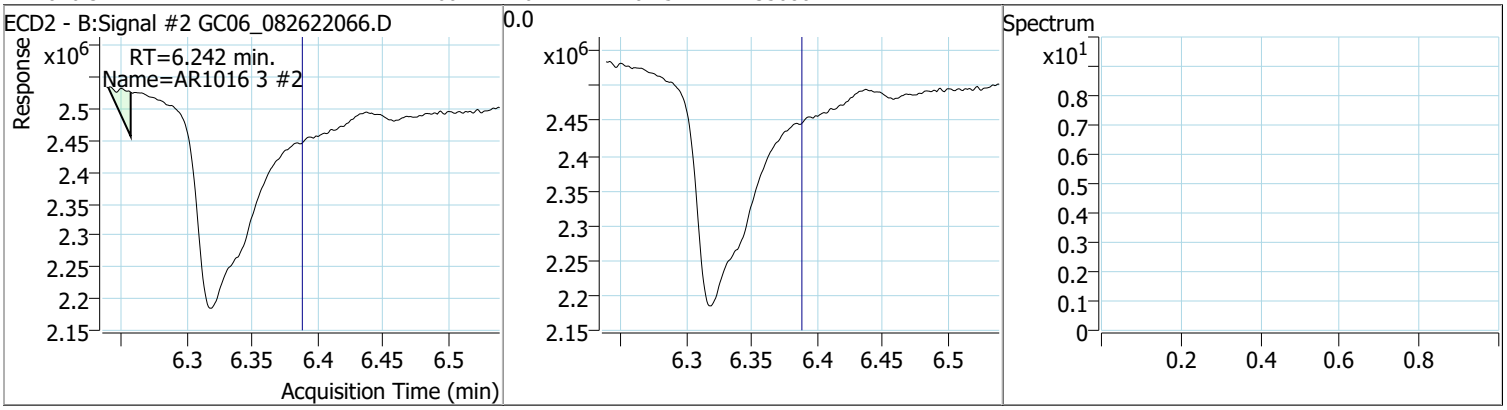
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	12.3957	5.88	-0.02	192074				



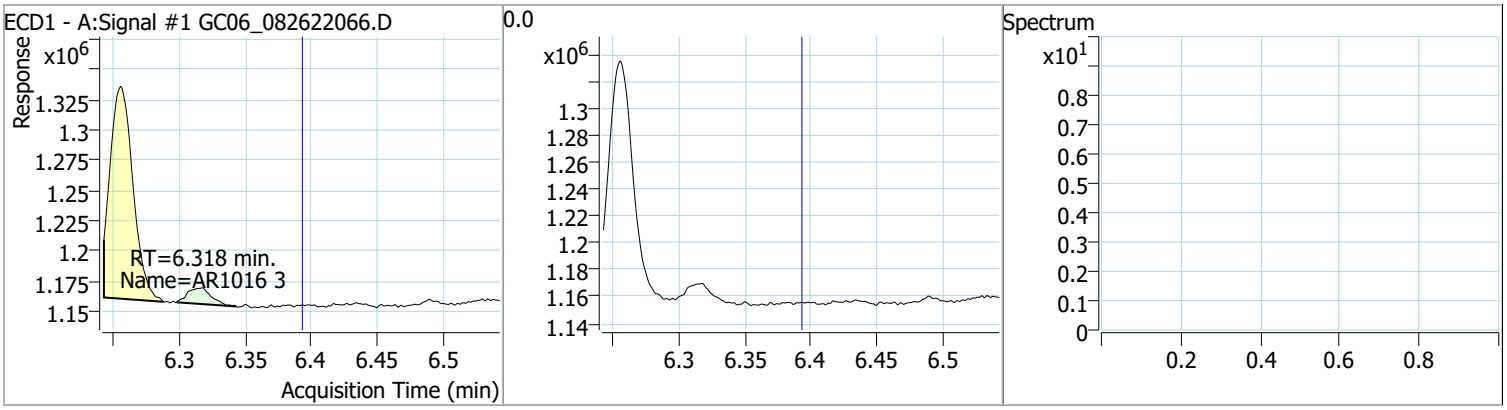
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.6325	5.85	-0.06	2033				



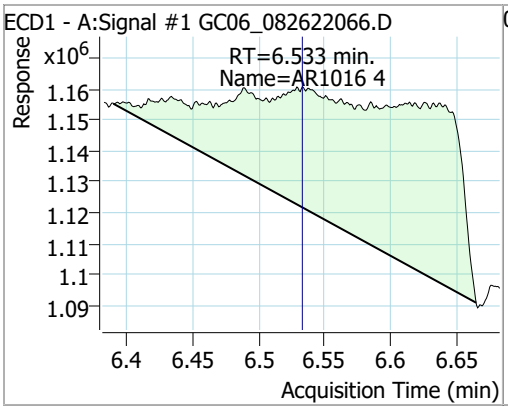
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1.7460	6.24	-0.15	35680				

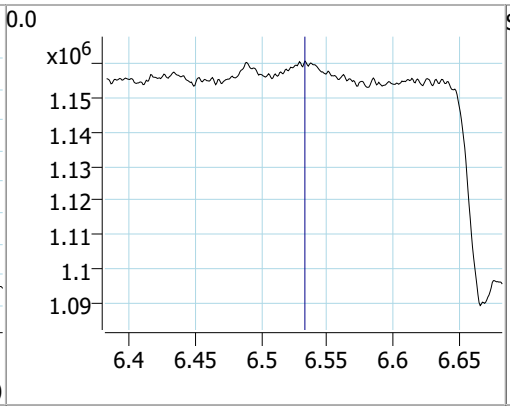


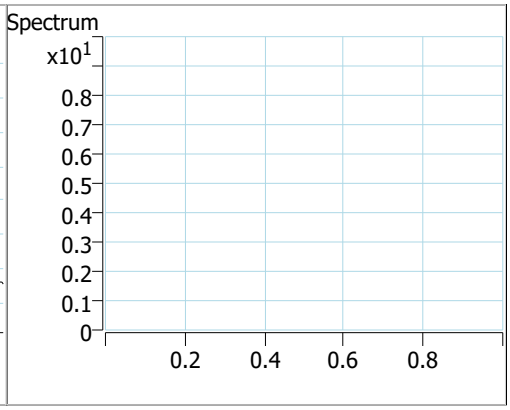
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	4.3213	6.32	-0.08	16346				



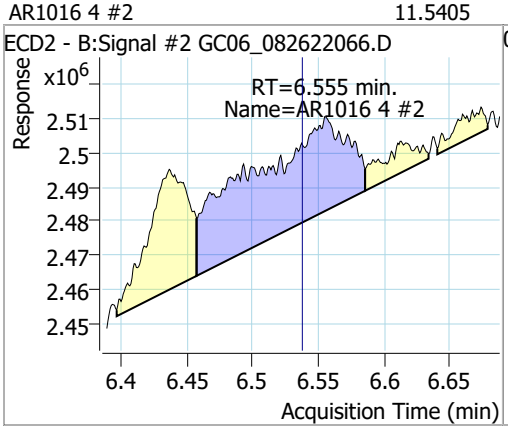
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	179.7402	6.53	0.00	508792				

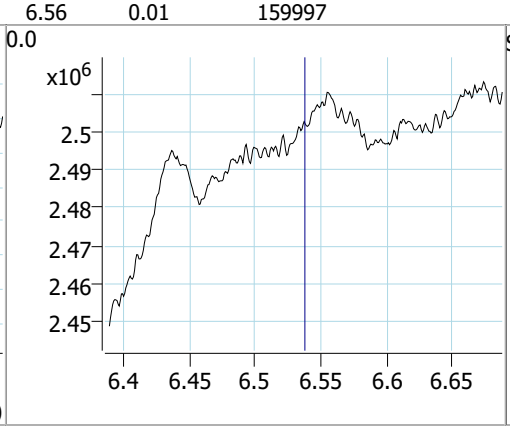


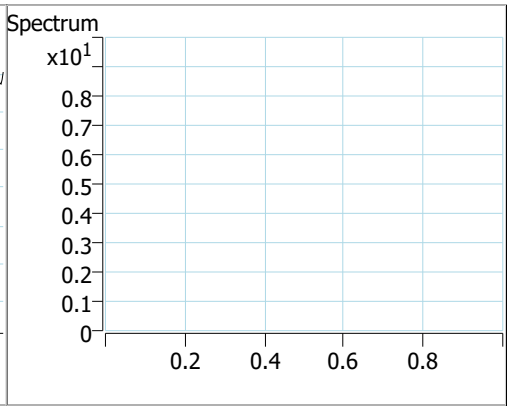




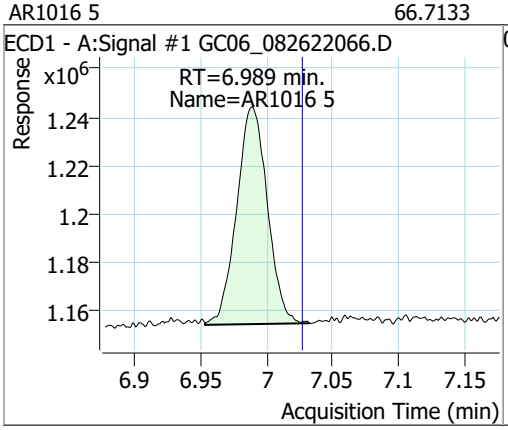
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	11.5405	6.56	0.01	159997				

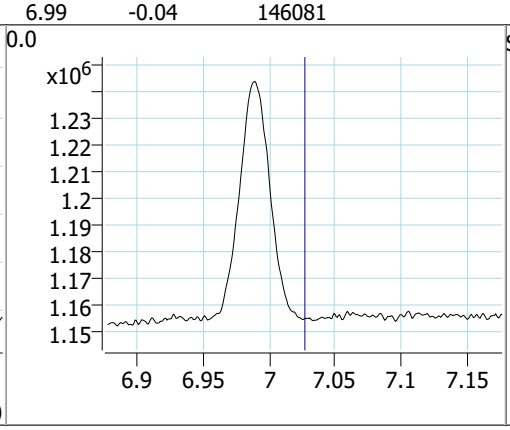


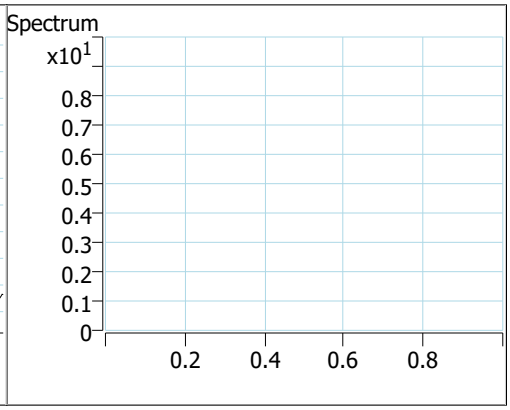




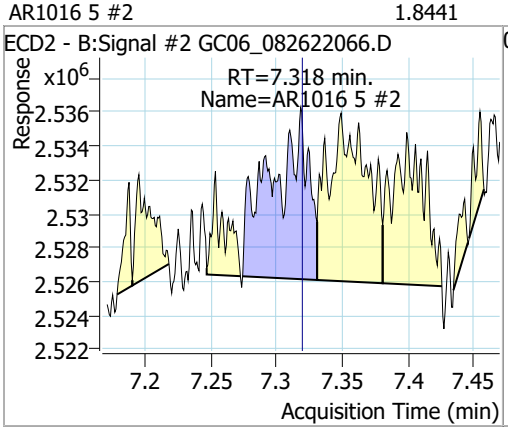
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	66.7133	6.99	-0.04	146081				

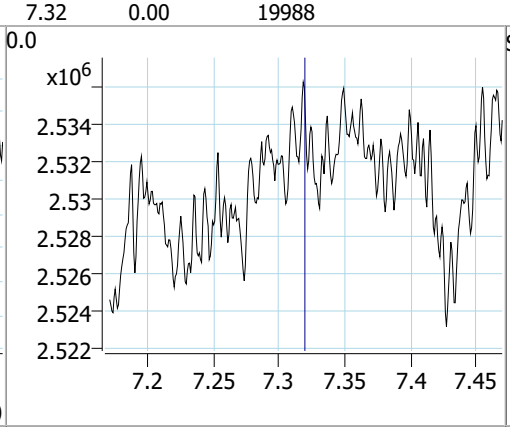


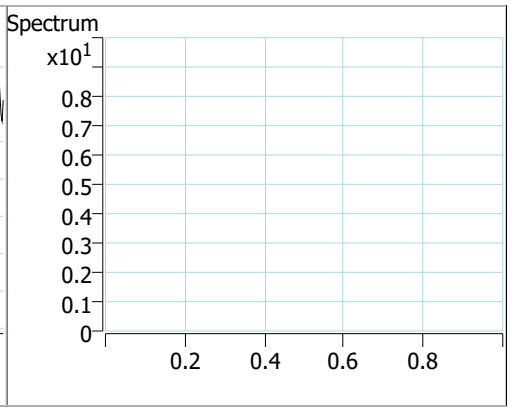




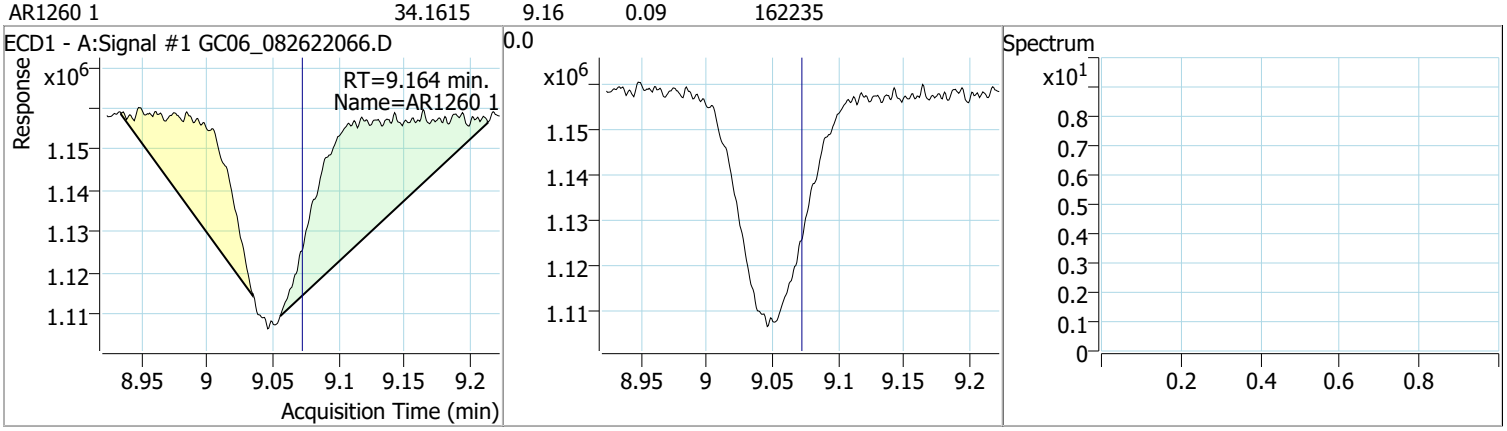
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.8441	7.32	0.00	19988				



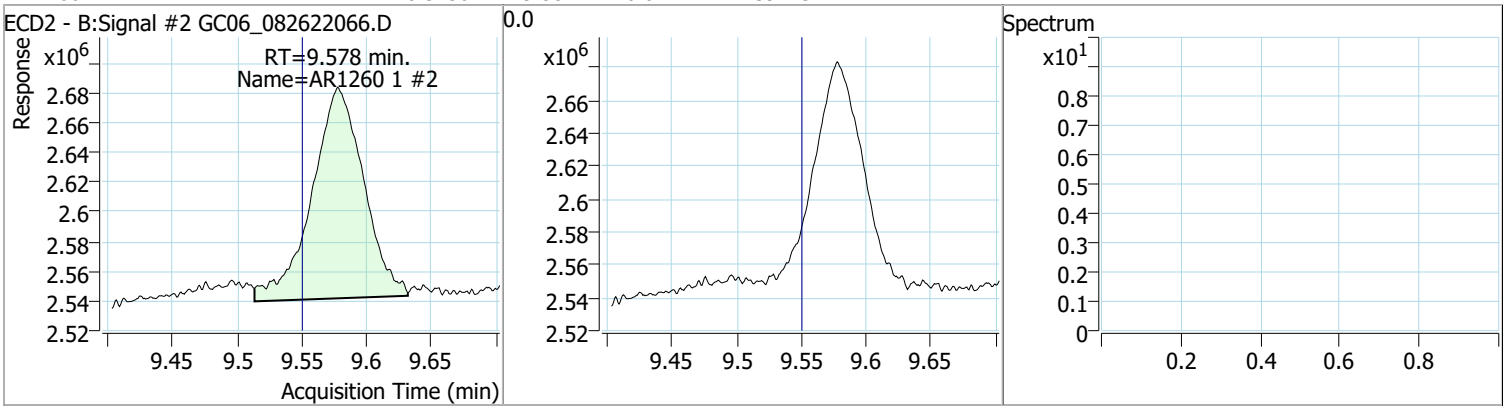




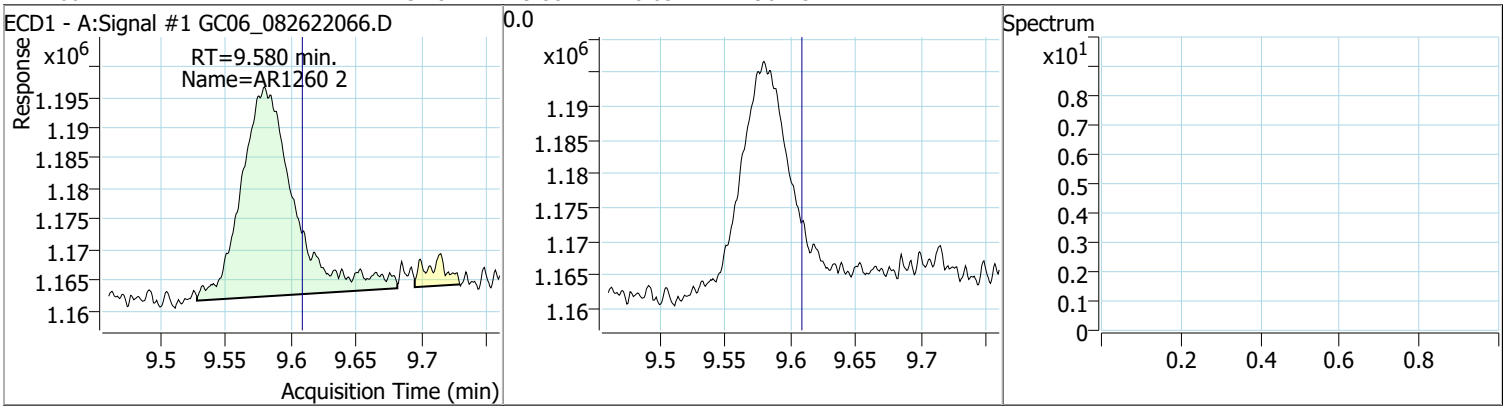
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	34.1615	9.16	0.09	162235				



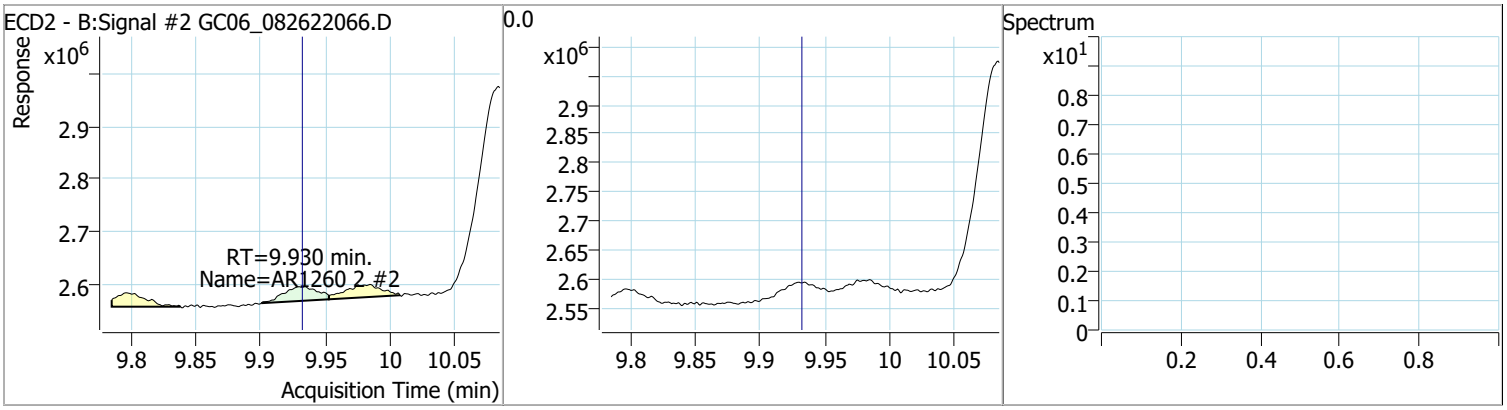
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	16.3450	9.58	0.02	394432				



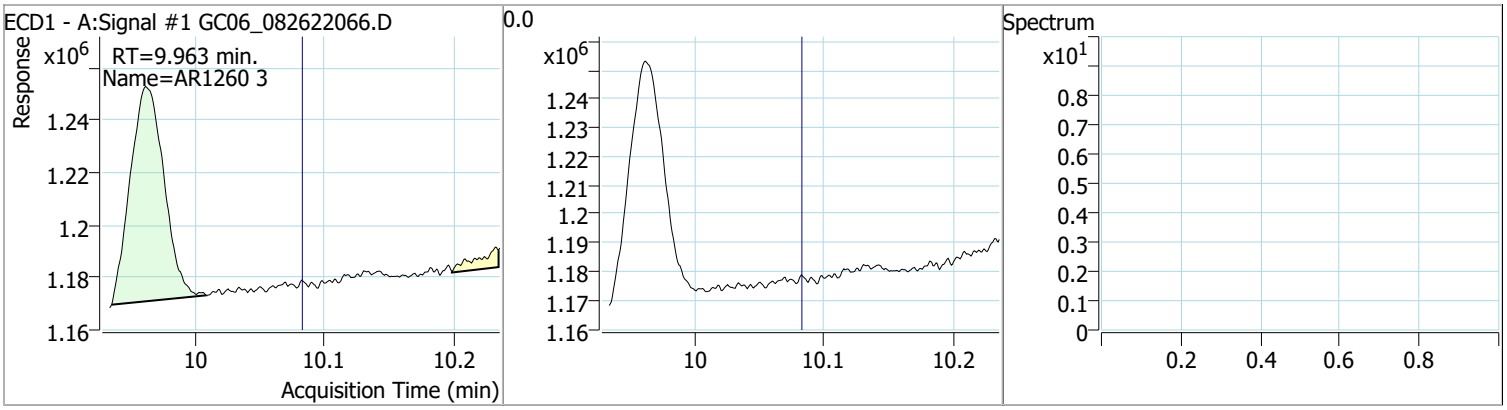
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	13.1824	9.58	-0.03	96425				



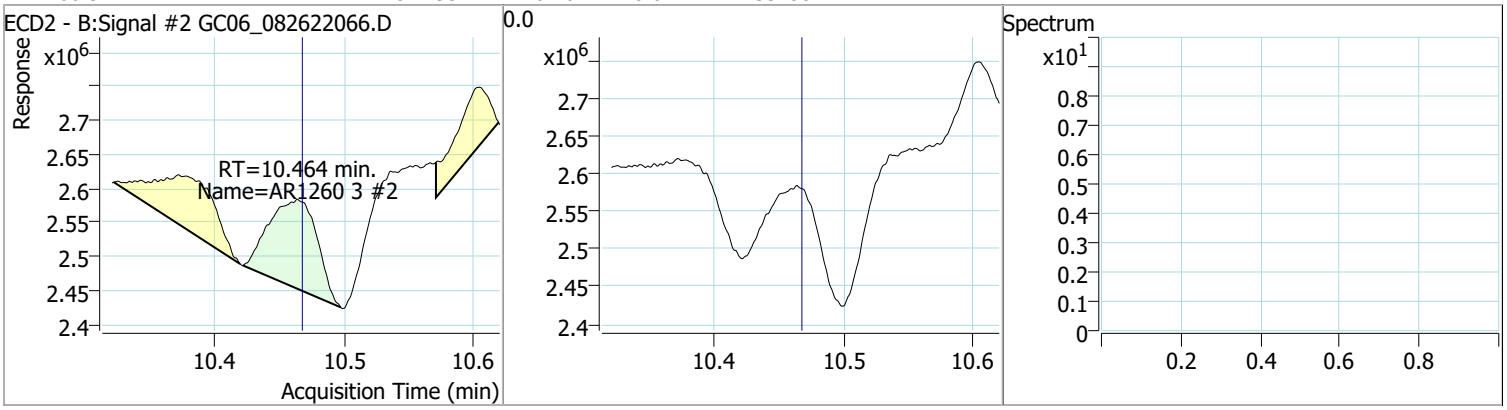
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1.7694	9.93	-0.01	49338				



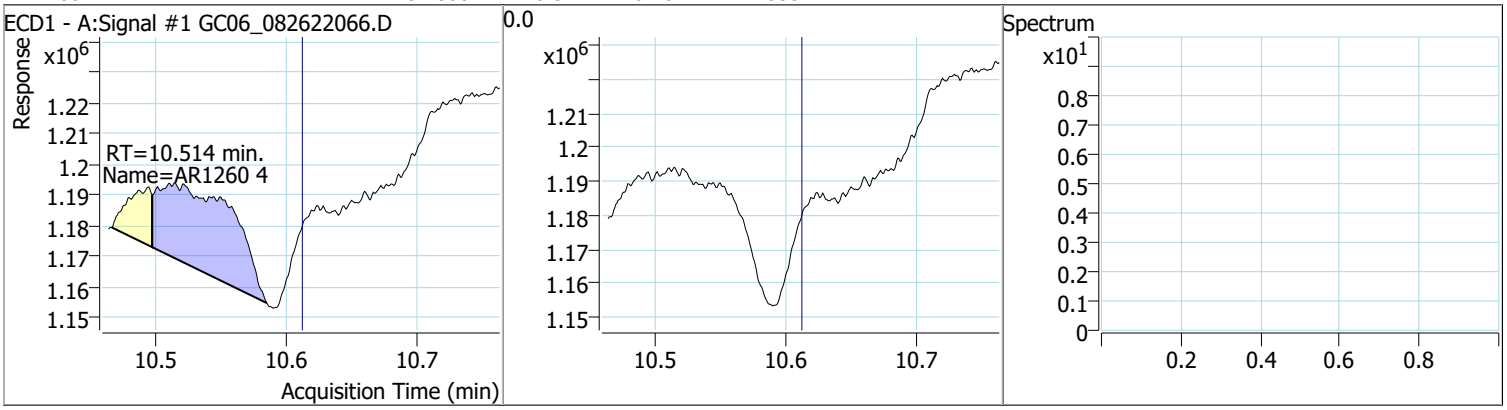
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	19.4901	9.96	-0.12	148205				



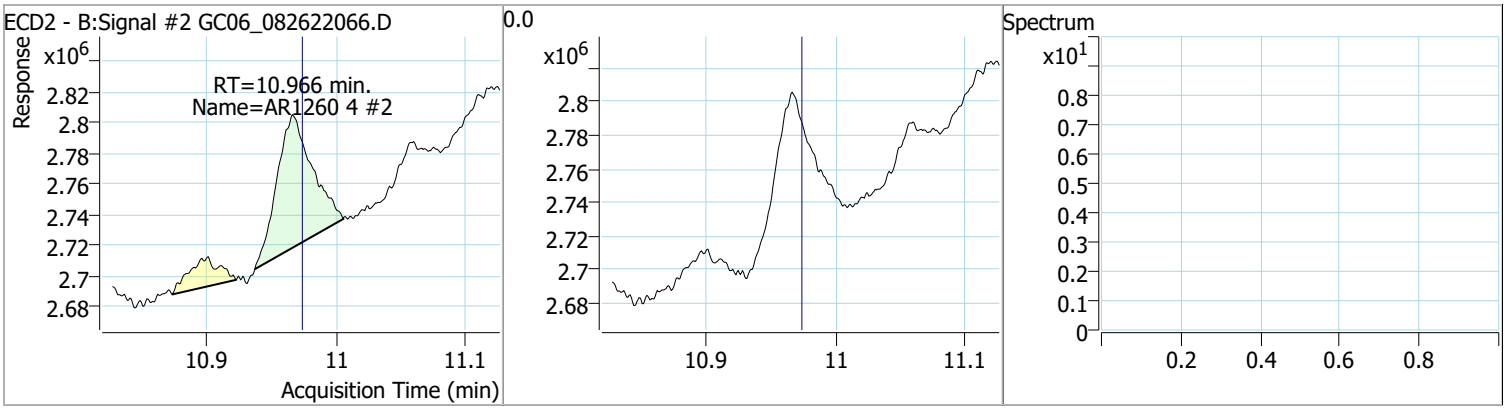
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	8.7793	10.46	-0.01	332587				



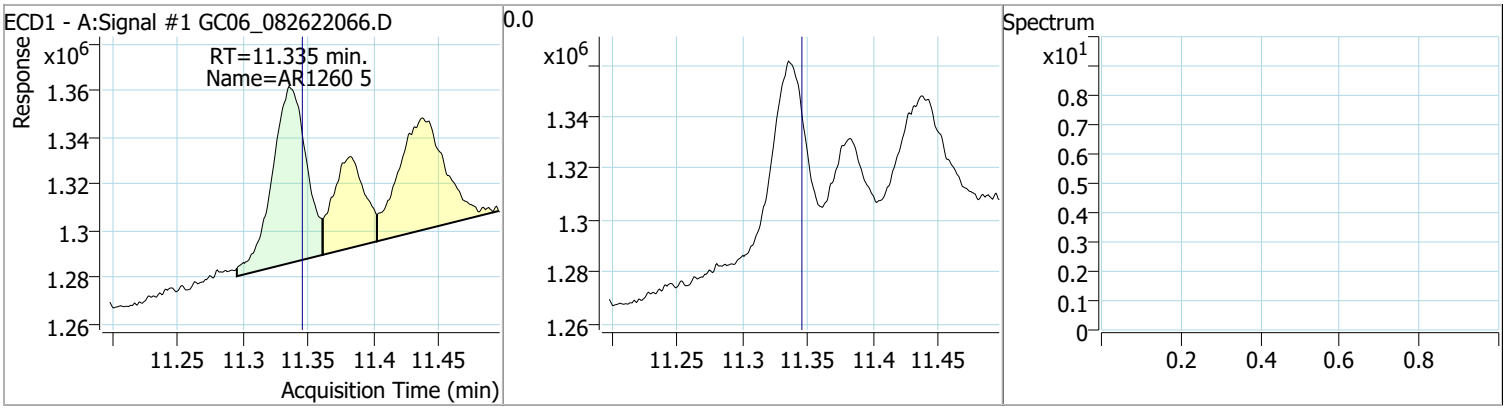
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	28.7808	10.51	-0.10	108842				



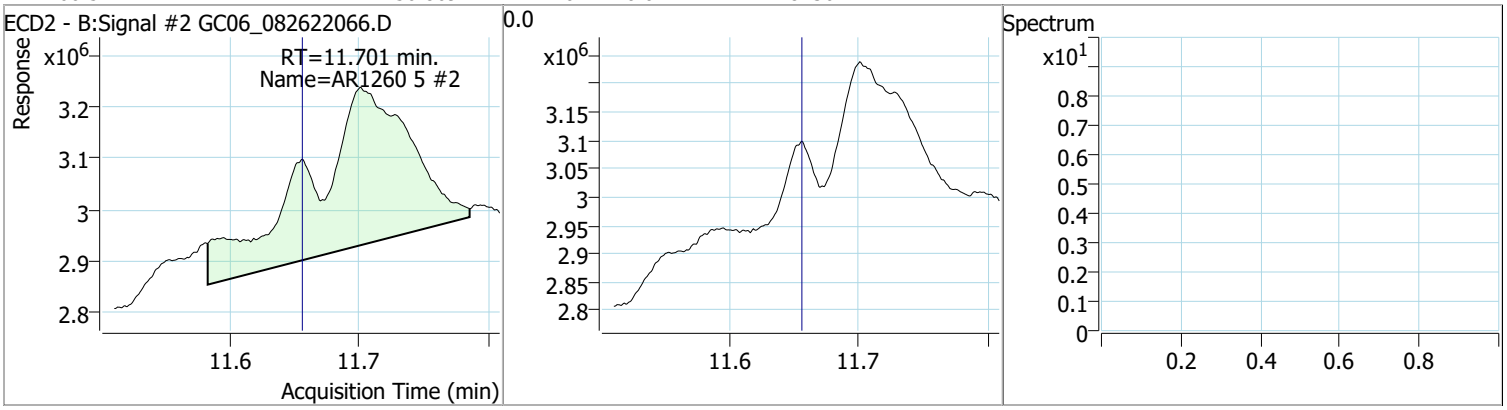
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	8.0182	10.97	-0.01	164365				



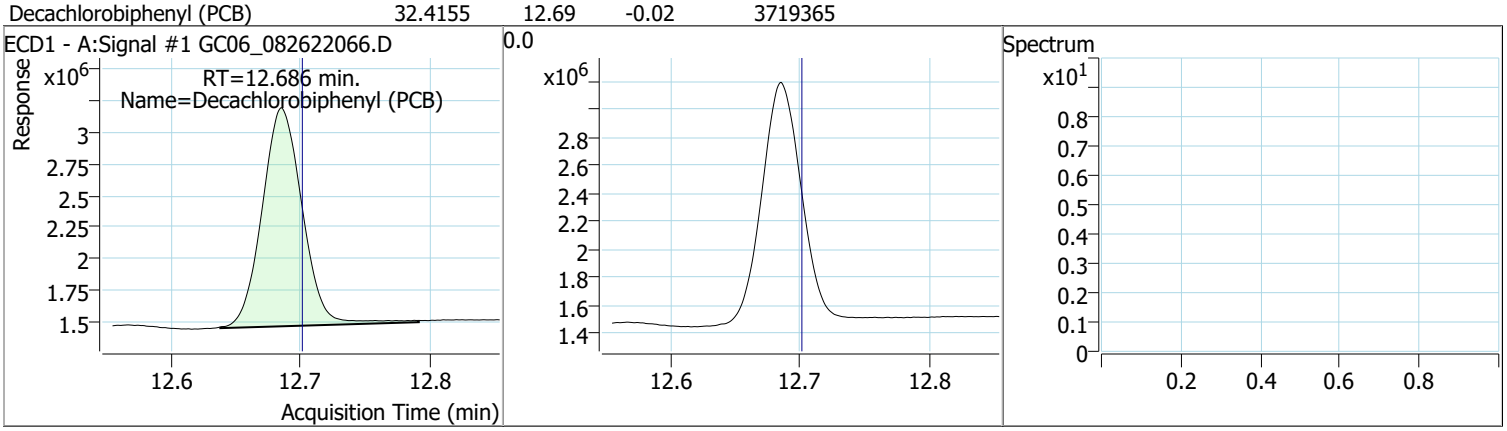
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	27.5964	11.34	-0.01	138128				



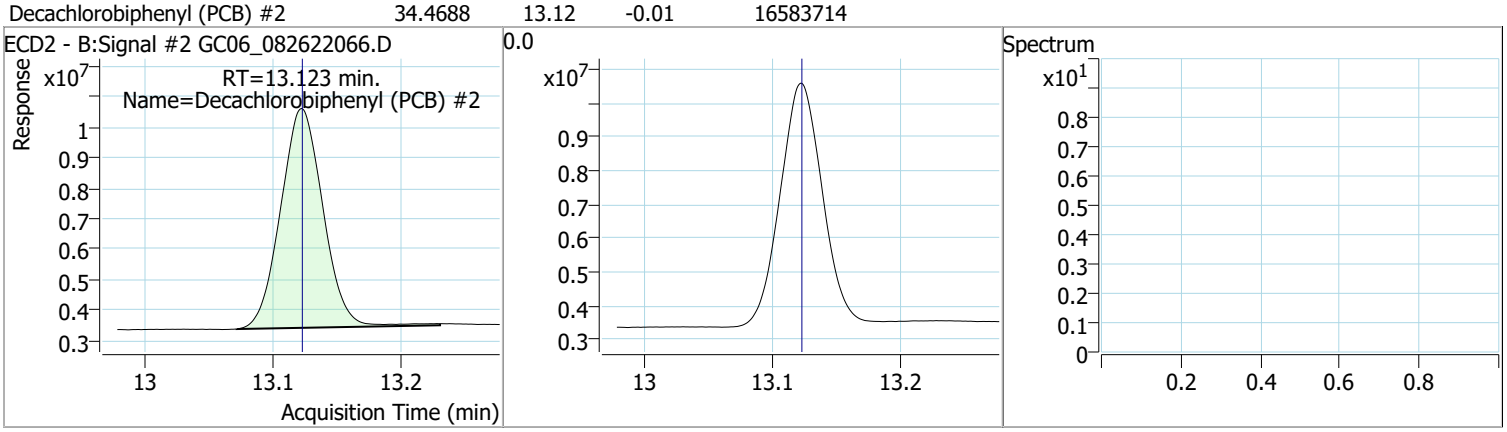
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	56.8694	11.70	0.04	1718736				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	32.4155	12.69	-0.02	3719365				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	34.4688	13.12	-0.01	16583714				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467872-031	Client ID:	AFRAME-C1E-LAT-L1-EXT-0 TO 1-220823-P-WF
Seqnum:	452348138011	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082922011	Batch:	295631	Time:	29-AUG-2022 20:26
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	32.44	ND	1.8	94%	1.0		u
Aroclor-1016 Peak # 1	B	50.47	1.01	1.02	1%			
Aroclor-1016 Peak # 2	B	11.11	0.22	0.02	171%			
Aroclor-1016 Peak # 3	B	85.68	1.71	0.04	190%			
Aroclor-1016 Peak # 4	B	12.27	0.25	3.43	173%			
Aroclor-1016 Peak # 5	B	2.665	0.05	4.54	195%			
Aroclor-1221	B		ND			1.0		u
Aroclor-1232	B		ND			1.0		u
Aroclor-1242	B		ND			1.0		u
Aroclor-1248	B		ND			1.0		u
Aroclor-1254	B		ND			1.0		u
Aroclor-1260	B	11.47	ND	0.59	89%	1.0		u
Aroclor-1260 Peak # 1	B	12.83	0.26	0.78	101%			
Aroclor-1260 Peak # 2	B	3.983	0.08	0.18	75%			
Aroclor-1260 Peak # 3	B	9.065	0.18	0.02	157%			
Aroclor-1260 Peak # 4	B	13.18	0.26	0.59	77%			
Aroclor-1260 Peak # 5	B	18.32	0.37	1.40	117%			
Aroclor-1262	B		ND			1.0		u
Aroclor-1268	B		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	34.07	1.000	0.6813	68	52-186	c+ u
Decachlorobiphenyl (PCB)	B	29.75	1.000	0.5949	59	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082922002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4927157	4187435	-15.01
1-bromo-2-nitrobenzene (PCB)	A	1411407	1052884	-25.40

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

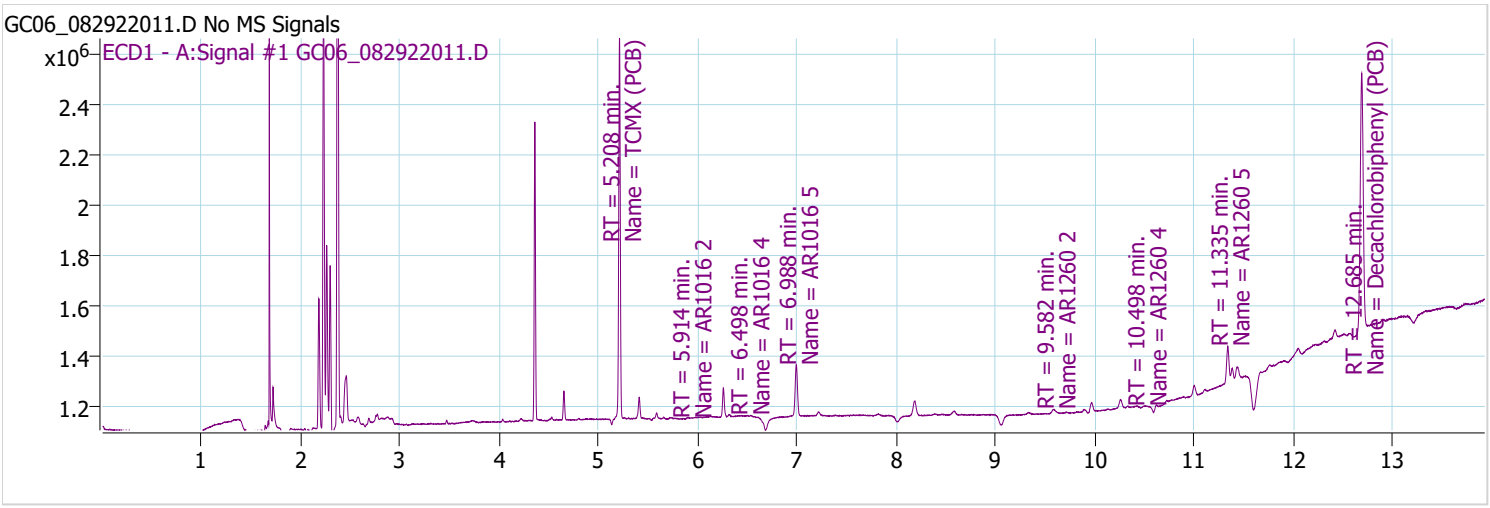
ISTD (CCV gc06_082922002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.12	4.12	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

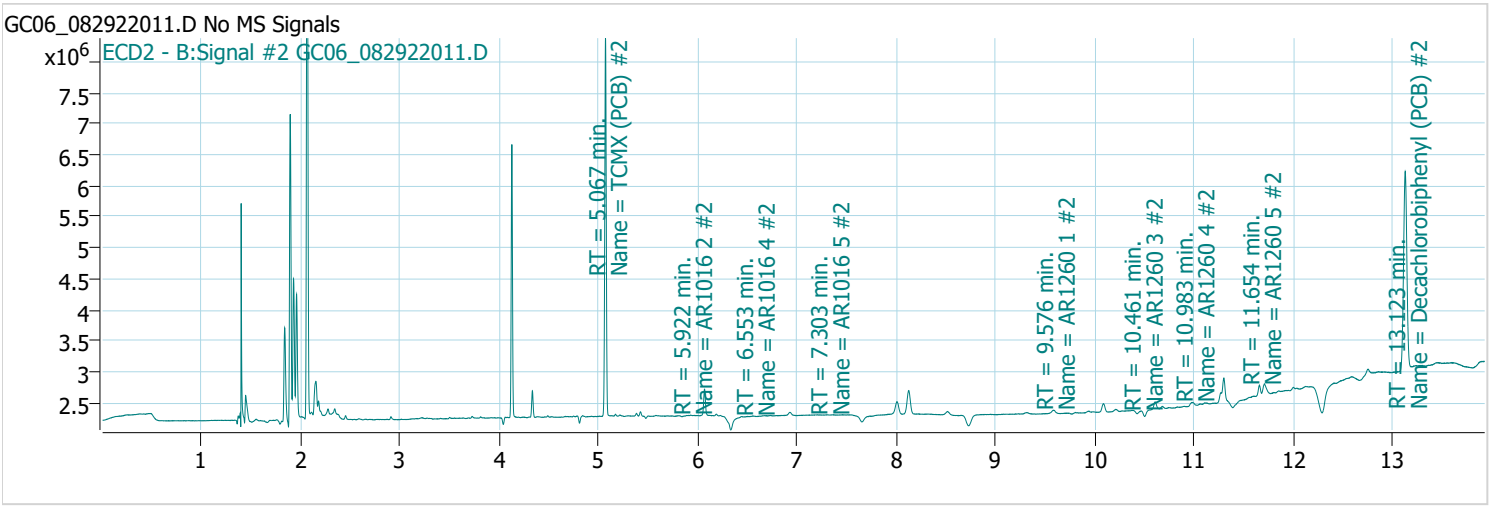
Analyst: TRN 08/30/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082922011.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/29/2022 8:26:41 PM
Sample Name	467872-039, 295632, 1	Instrument	SVOA-GC06
Vial	4	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082922PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



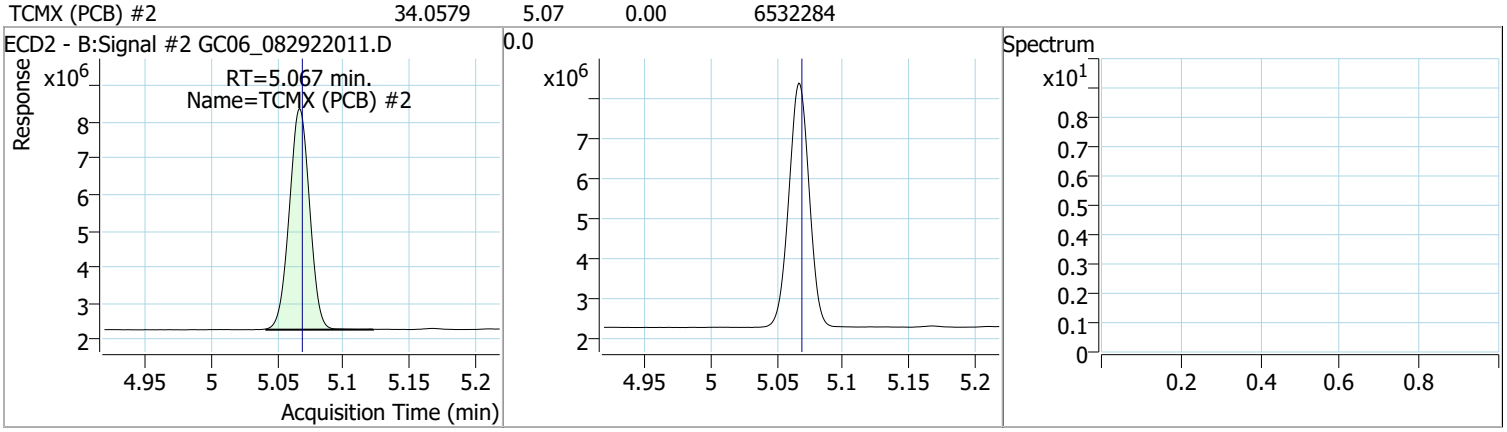


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	4187435.481	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB)	4.355	0.0	1052883.854	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB) #2	5.067	0.0	6532284.194	34.0579	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 170.29%		*	
S TCMX (PCB)	5.208	0.0	1734657.543	34.2519	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 171.26%		*	
S Decachlorobiphenyl (PCB)	12.685	0.0	2208578.431	27.5882	ng/ml		-0.021
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 137.94%			
S Decachlorobiphenyl (PCB) #2	13.123	0.0	7514228.530	29.7383	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 148.69%			
Target Compounds							QValue

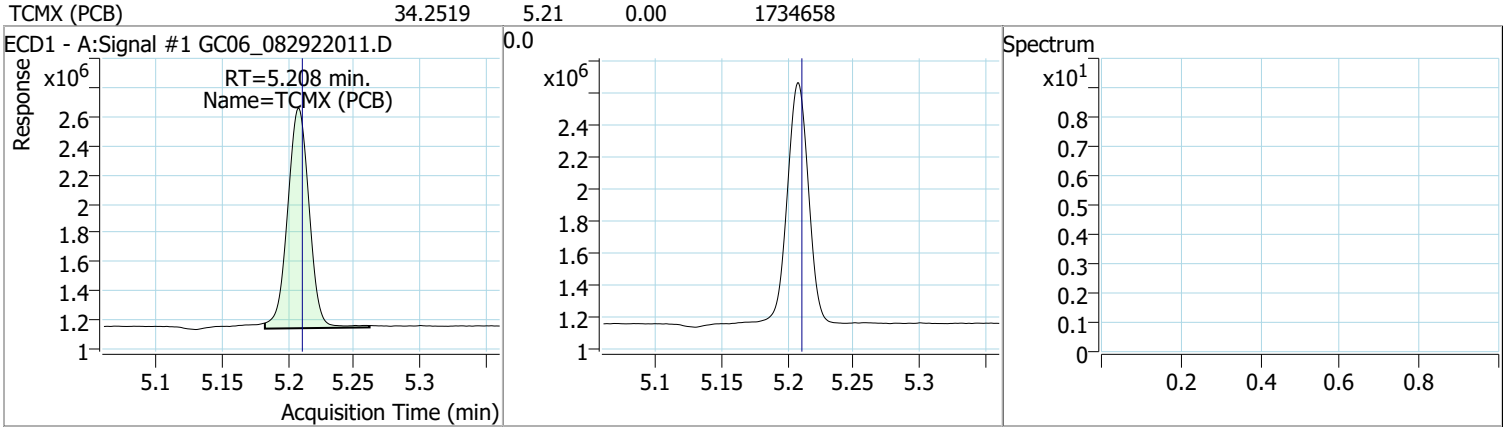
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.573	0.0	197874.885	50.4602	ng/ml	100
T AR1016 1	5.581	0.0	52531.609	51.0062	ng/ml	100
T AR1016 2 #2	5.922	0.0	90368.390	11.1046	ng/ml	100
T AR1016 2	5.914	0.0	1932.023	0.8616	ng/ml	100
T AR1016 3 #2	6.499	0.0	919260.555	85.6540	ng/ml	100
T AR1016 3	6.414	0.0	5639.720	2.1369	ng/ml	100
T AR1016 4	6.498	0.0	338474.024	171.3788	ng/ml	100
T AR1016 4 #2	6.553	0.0	89307.944	12.2657	ng/ml	100
T AR1016 5	6.988	0.0	346961.145	227.1052	ng/ml	100
T AR1016 5 #2	7.303	0.0	15166.627	2.6643	ng/ml	100
T AR1260 1	9.174	0.0	128651.830	38.8270	ng/ml	100
T AR1260 1 #2	9.576	0.0	162504.207	12.8222	ng/ml	100
T AR1260 2	9.582	0.0	44739.097	8.7663	ng/ml	100
T AR1260 2 #2	9.933	0.0	58318.648	3.9824	ng/ml	100
T AR1260 3	10.126	0.0	5856.718	1.1039	ng/ml	100
T AR1260 3 #2	10.461	0.0	180303.647	9.0625	ng/ml	100
T AR1260 4	10.498	0.0	78184.595	29.6315	ng/ml	100
T AR1260 4 #2	10.983	0.0	141816.297	13.1728	ng/ml	100
T AR1260 5	11.335	0.0	245097.439	70.1838	ng/ml	100
T AR1260 5 #2	11.654	0.0	290771.067	18.3192	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

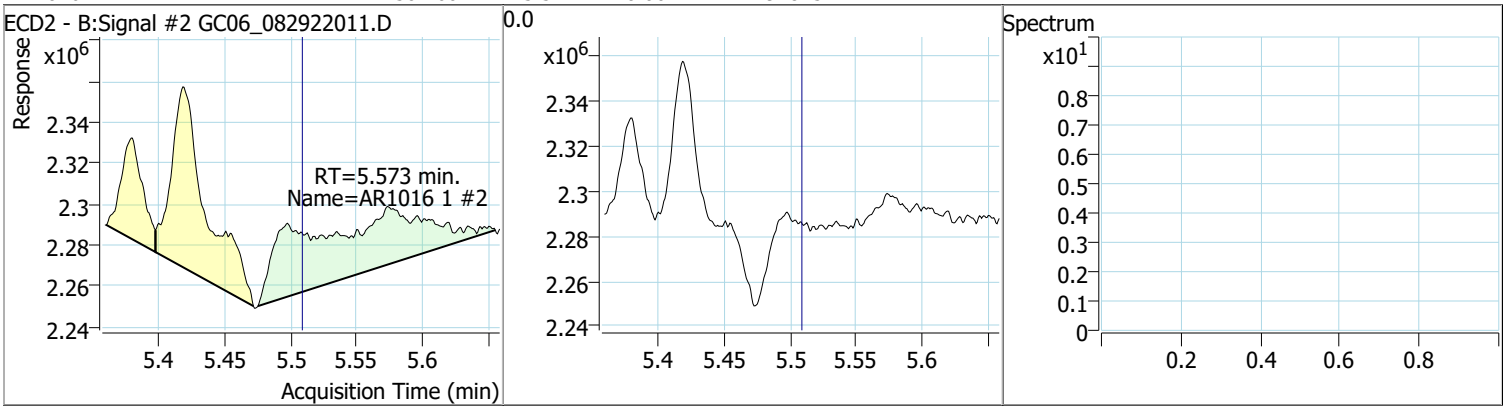
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	34.0579	5.07	0.00	6532284				



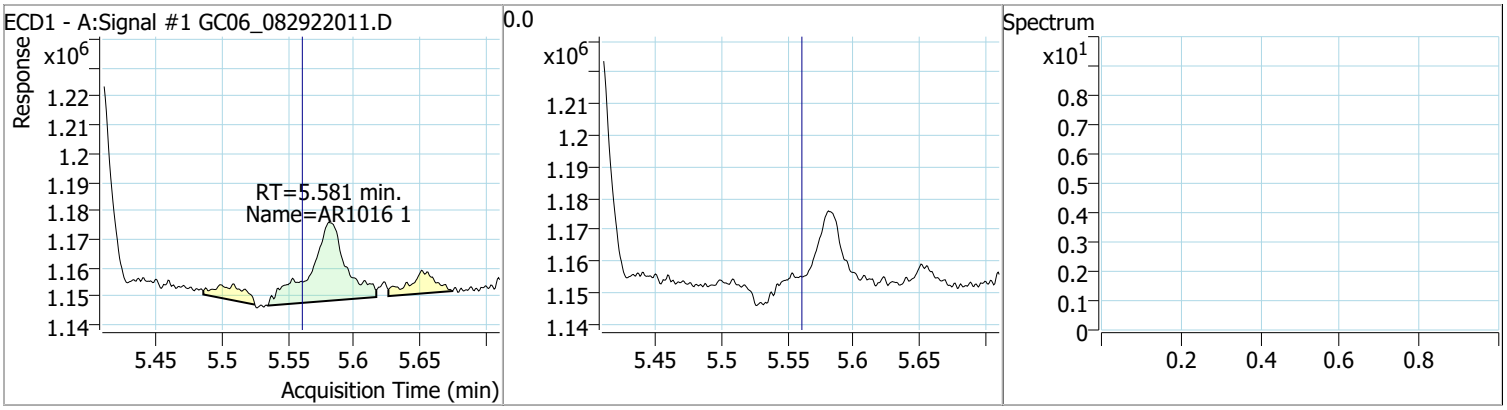
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	34.2519	5.21	0.00	1734658				



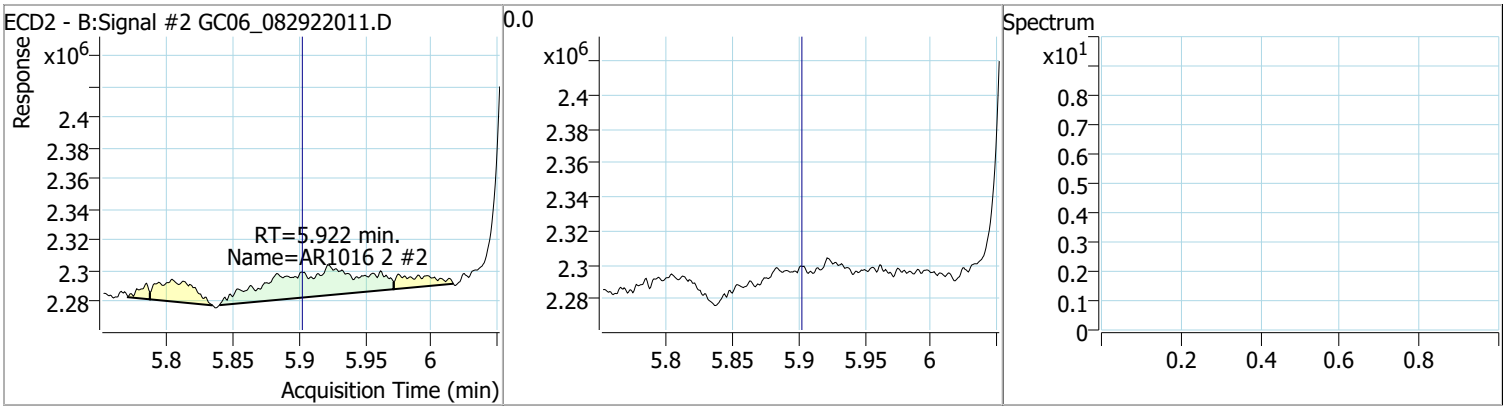
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	50.4602	5.57	0.06	197875				



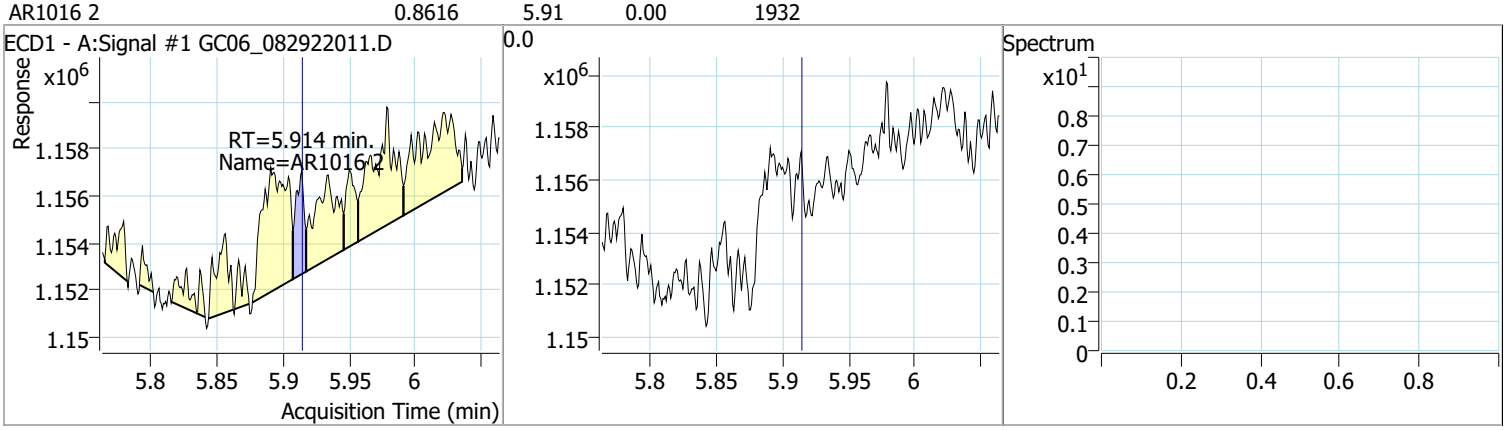
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	51.0062	5.58	0.02	52532				



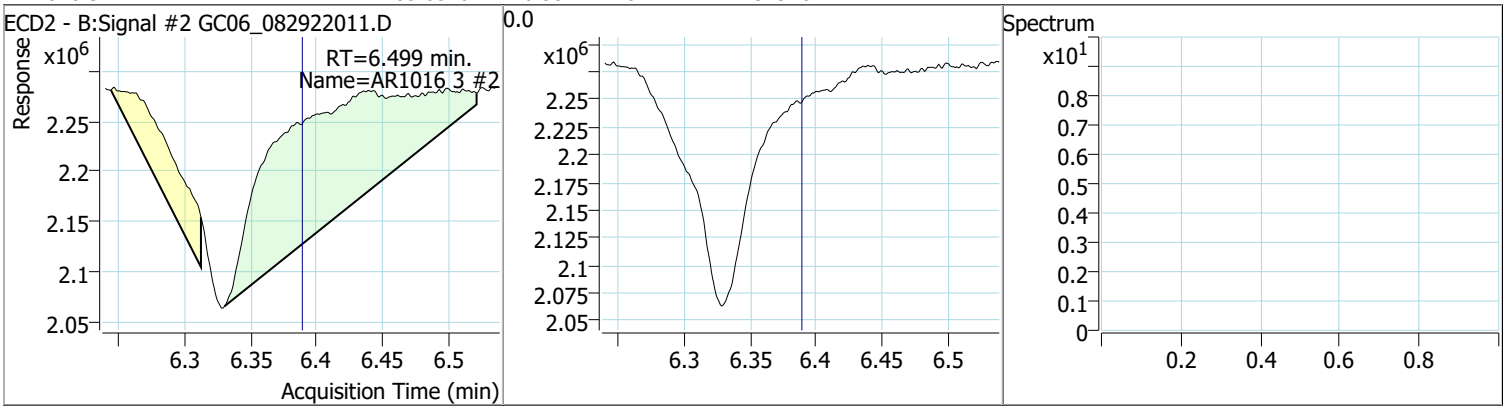
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	11.1046	5.92	0.02	90368				



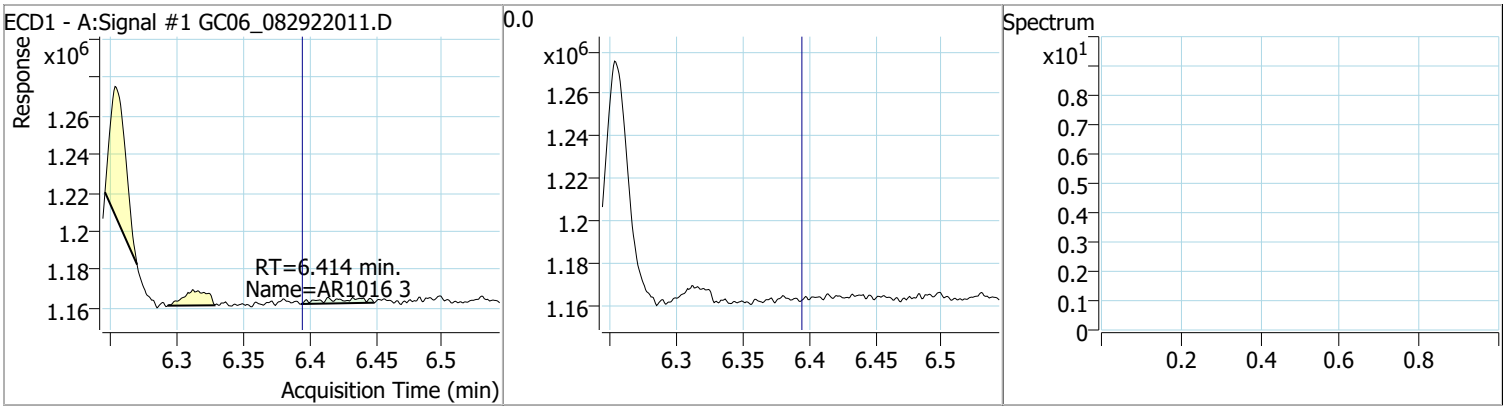
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.8616	5.91	0.00	1932				



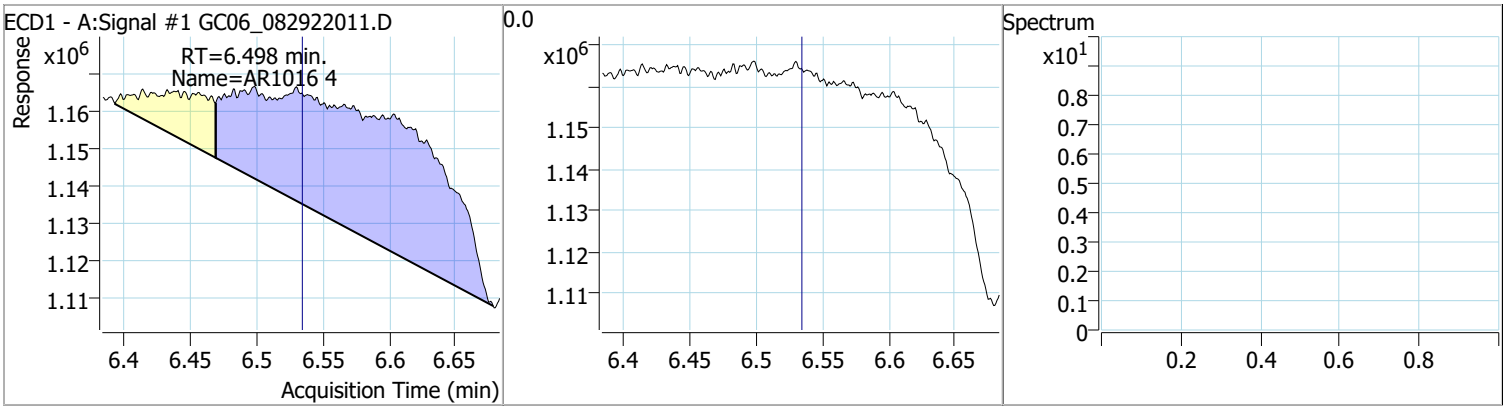
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	85.6540	6.50	0.11	919261				



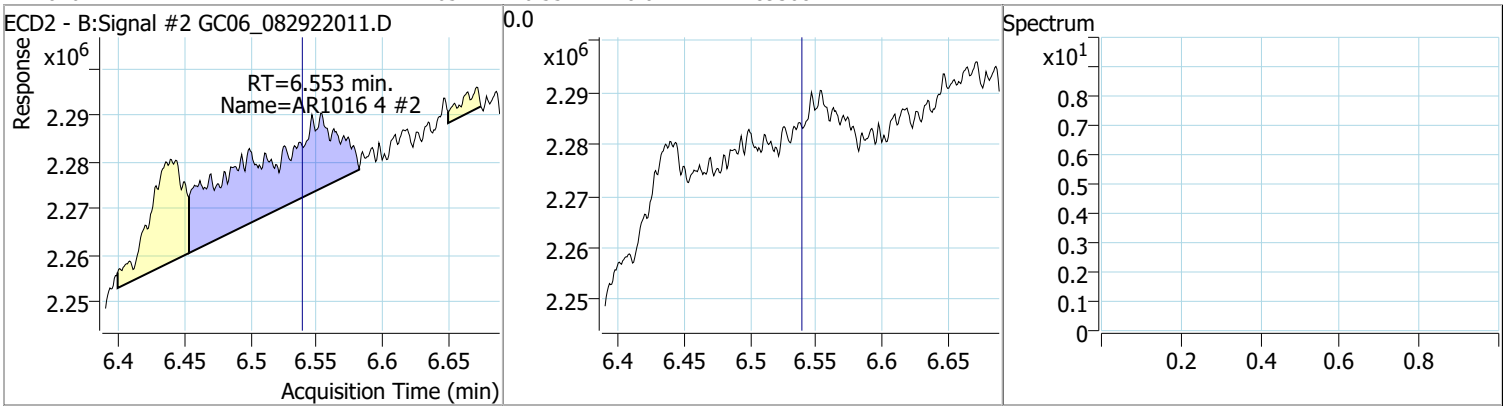
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	2.1369	6.41	0.02	5640				



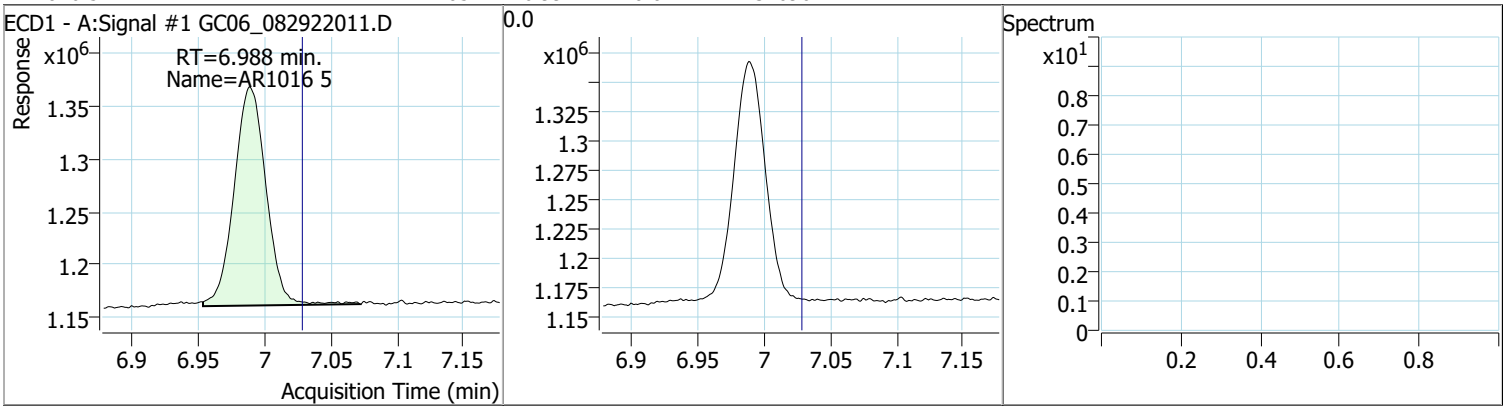
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	171.3788	6.50	-0.04	338474				



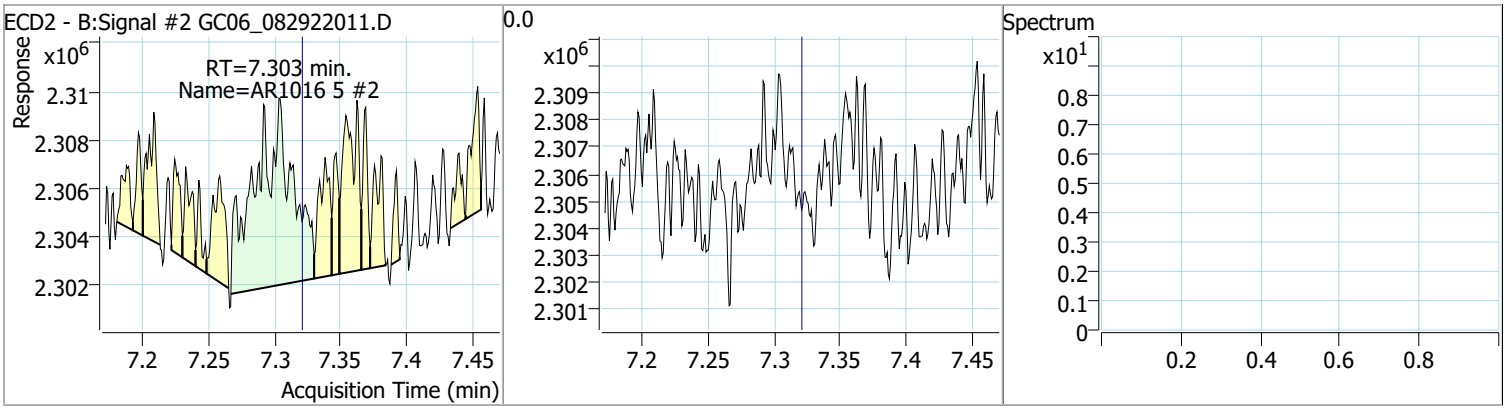
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	12.2657	6.55	0.01	89308				



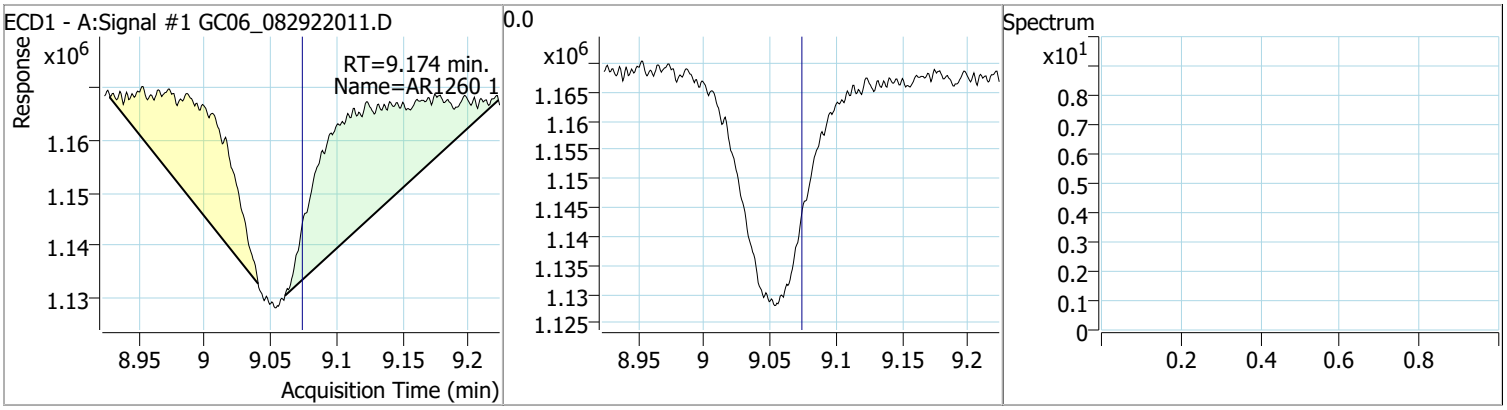
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	227.1052	6.99	-0.04	346961				



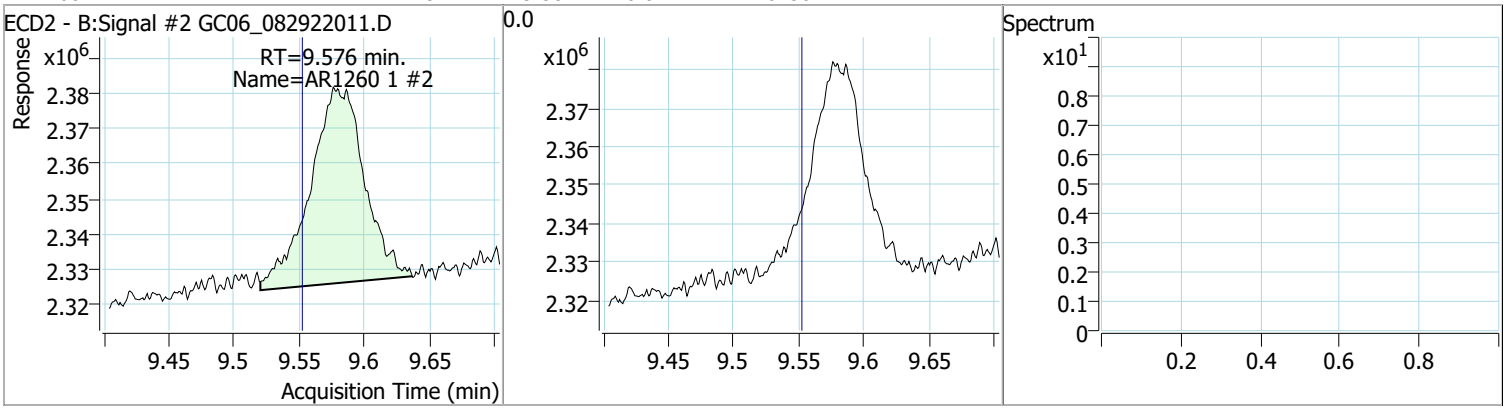
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.6643	7.30	-0.02	15167				



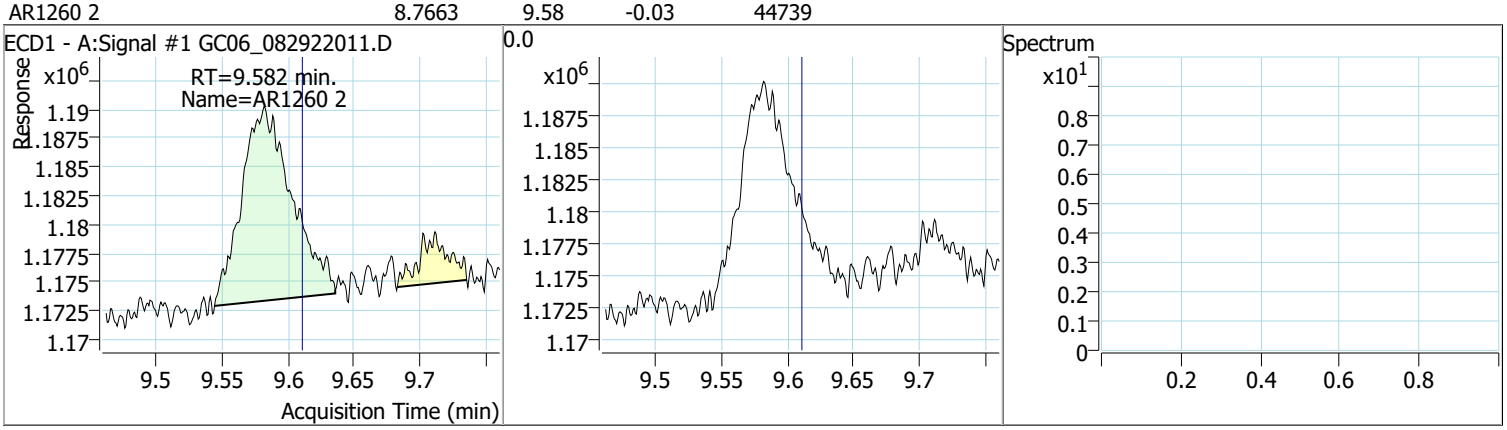
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	38.8270	9.17	0.10	128652				



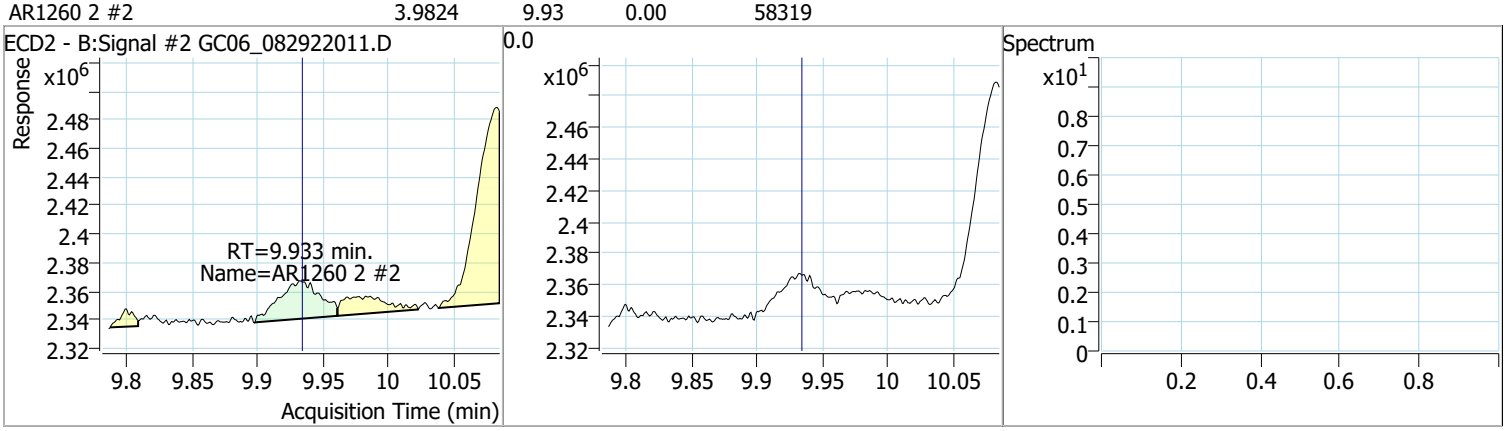
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	12.8222	9.58	0.02	162504				



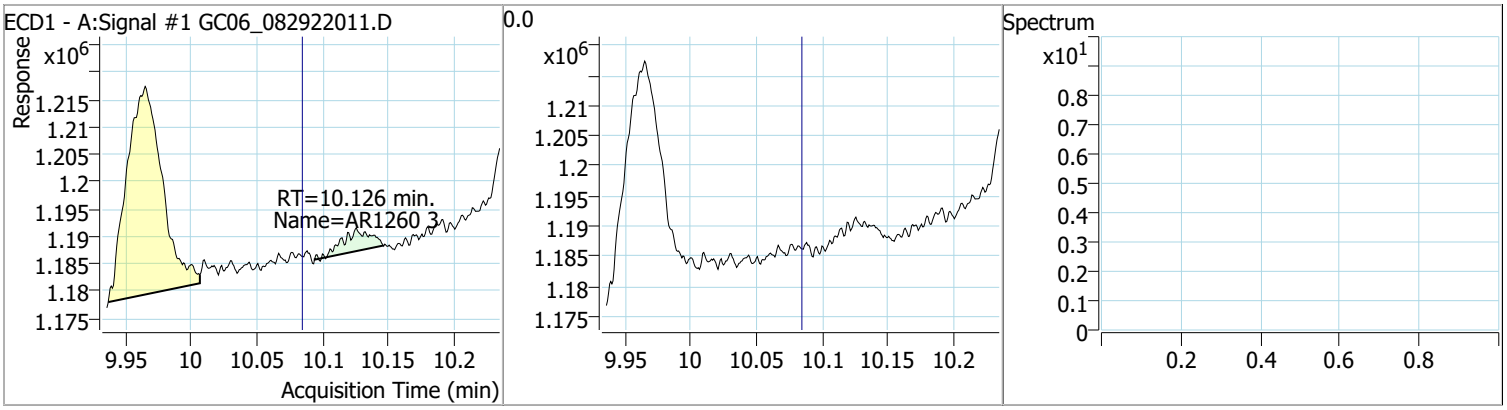
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	8.7663	9.58	-0.03	44739				



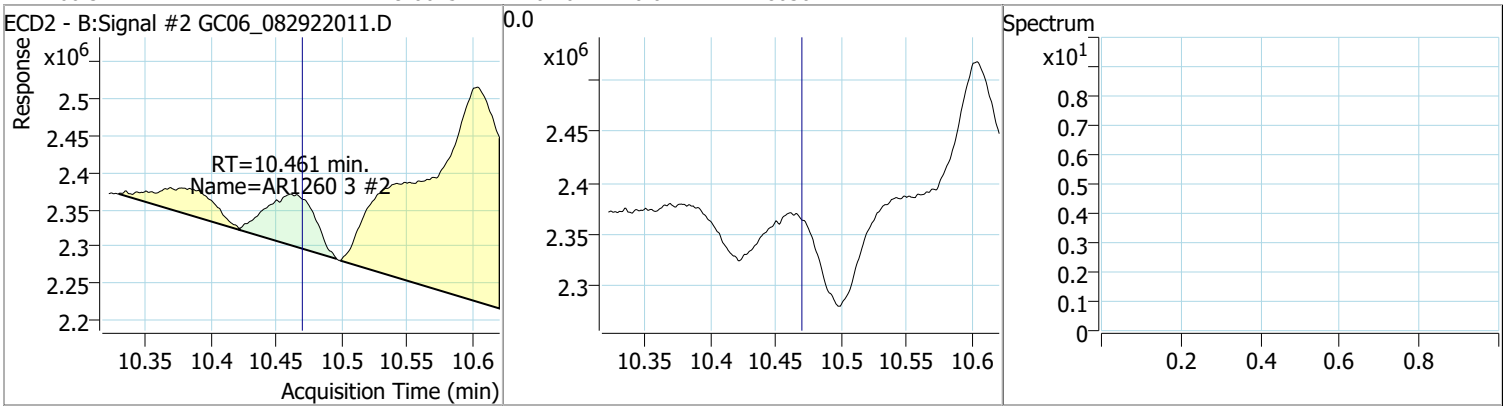
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.9824	9.93	0.00	58319				



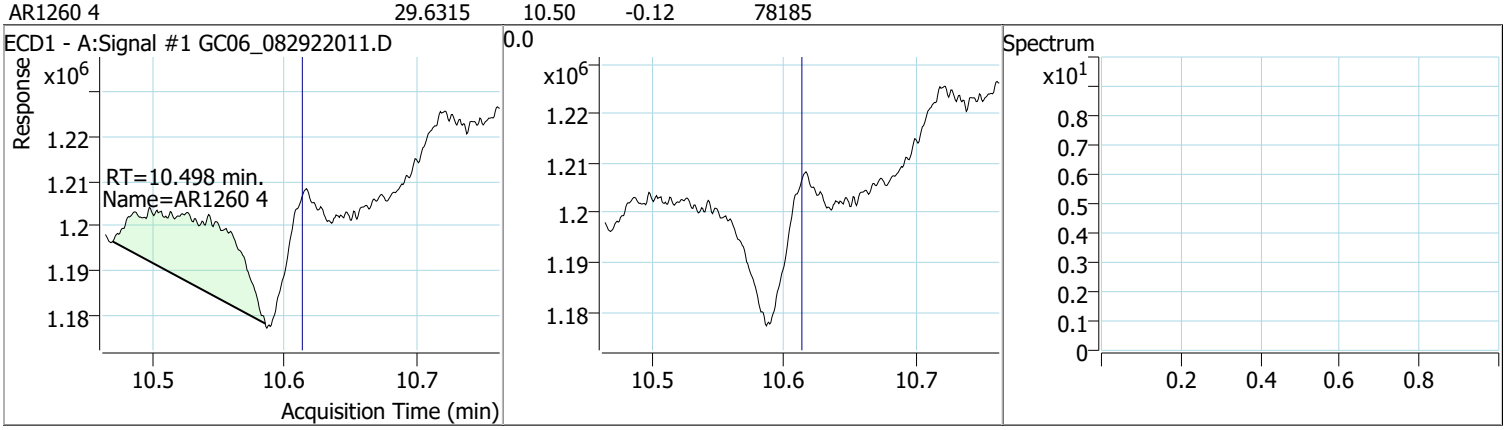
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1.1039	10.13	0.04	5857				



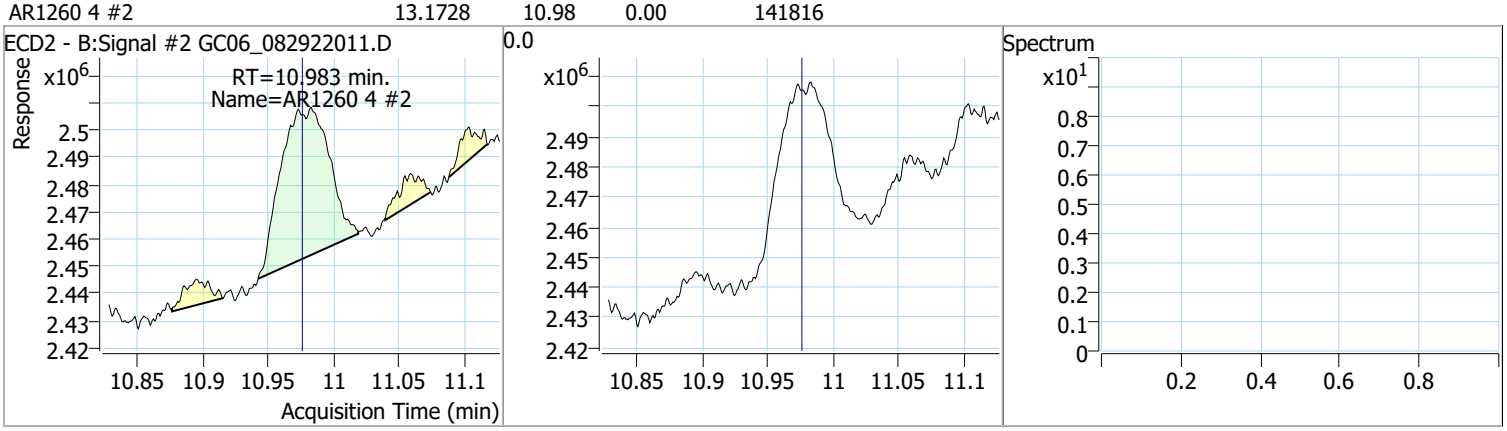
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	9.0625	10.46	-0.01	180304				



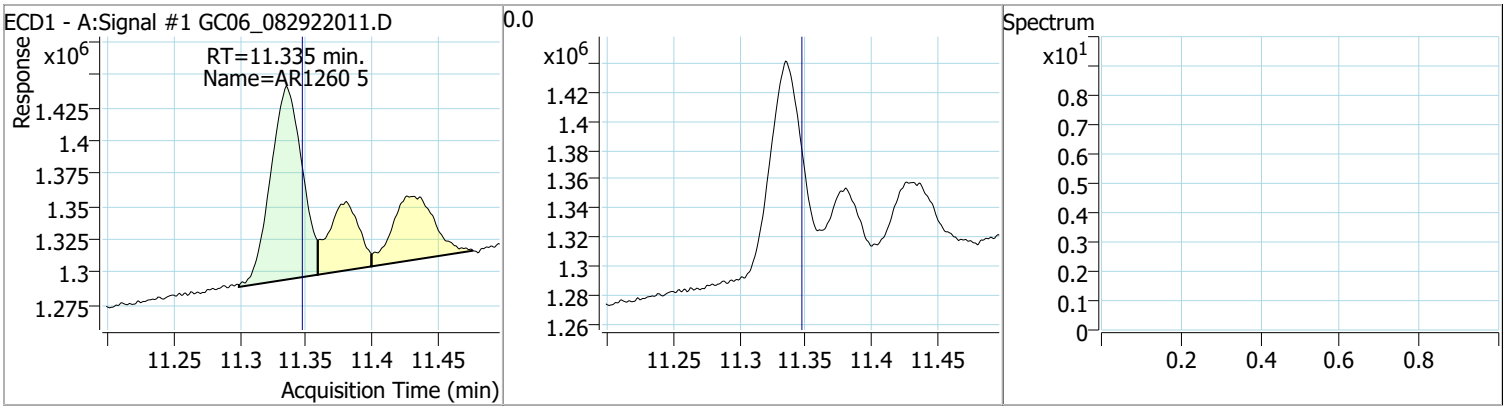
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	29.6315	10.50	-0.12	78185				



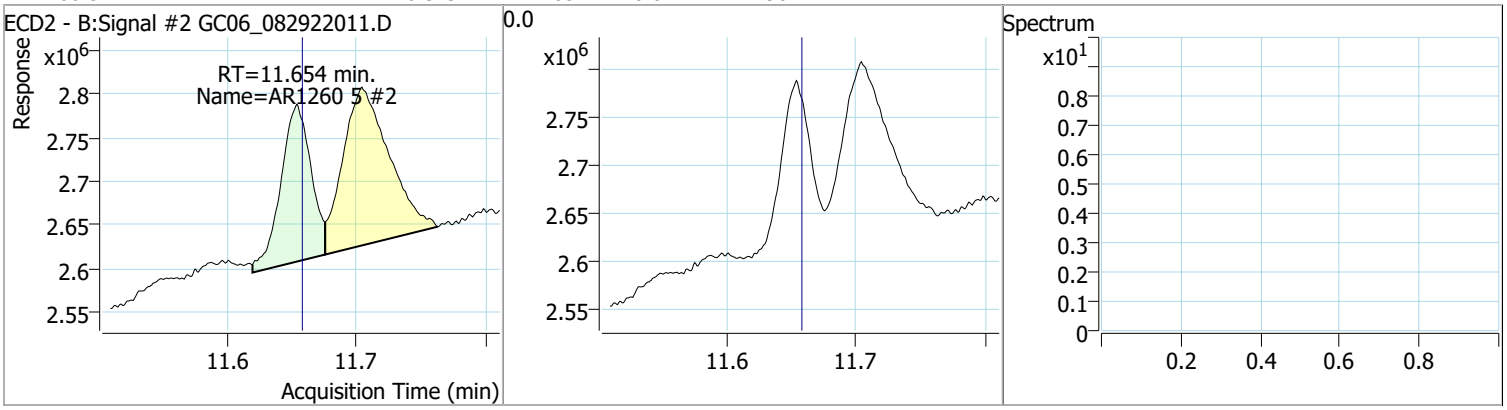
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	13.1728	10.98	0.00	141816				



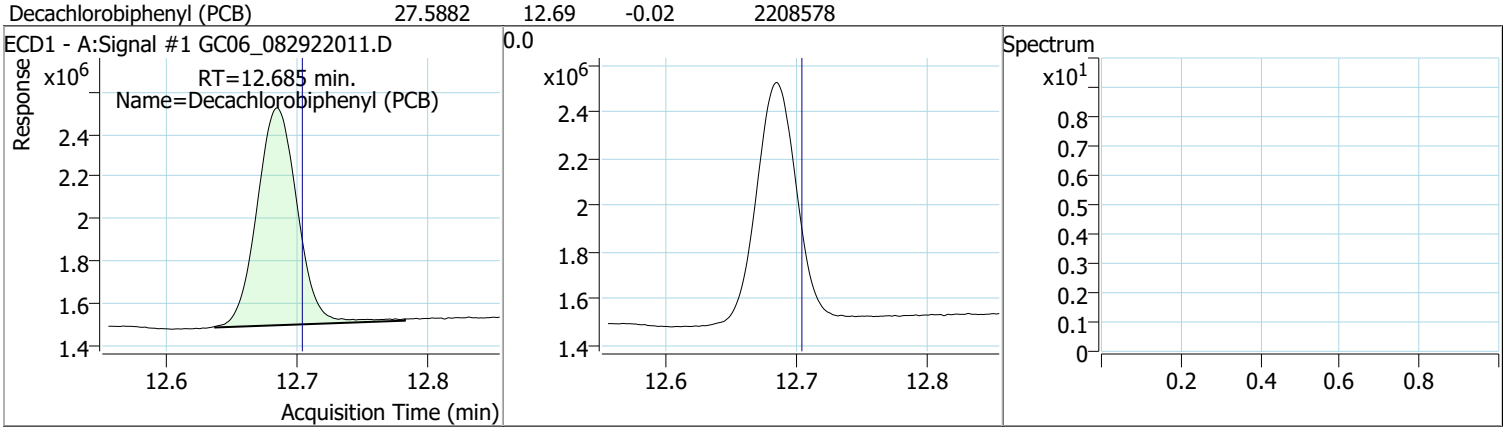
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	70.1838	11.34	-0.01	245097				



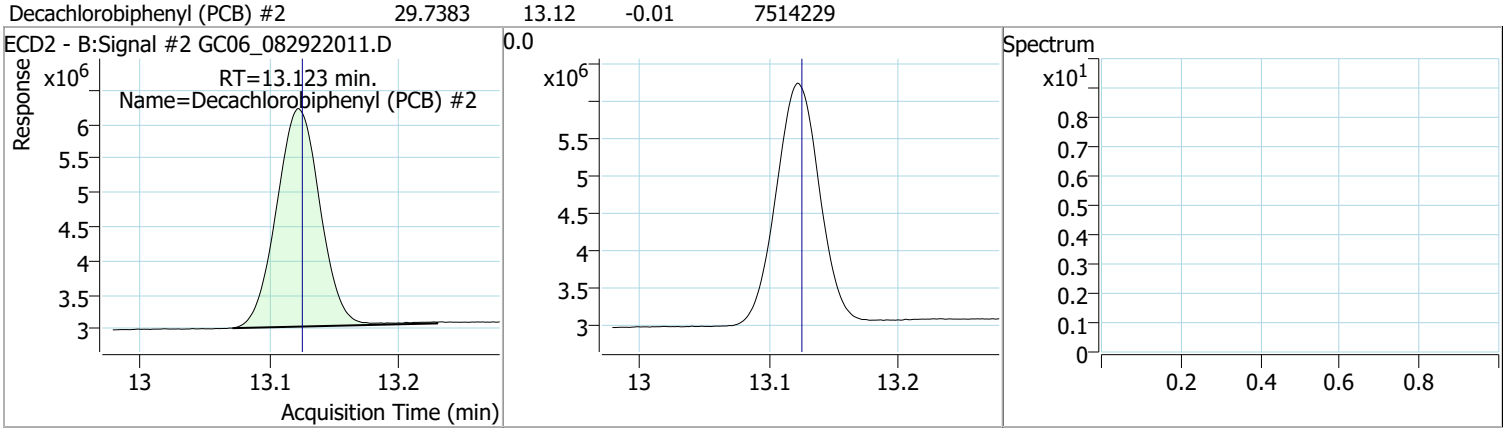
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	18.3192	11.65	-0.01	290771				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	27.5882	12.69	-0.02	2208578				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	29.7383	13.12	-0.01	7514229				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467872-033	Client ID:	DOOR-N-0.4GE-DG-3 TO 16-220823-P-LA
Seqnum:	452343556068	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622068	Batch:	295631	Time:	27-AUG-2022 09:15
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	72.94	~~1.5~~ ~~FP~~	0.56	88%	1.0		x u
Aroclor-1016 Peak # 1	A	65.58	1.31	1.09	18%			
Aroclor-1016 Peak # 2	A	3.192	0.06	0.29	128%			
Aroclor-1016 Peak # 3	A	7.276	0.15	1.19	156%			
Aroclor-1016 Peak # 4	A	195.6	3.91	0.23	178%			
Aroclor-1016 Peak # 5	A	93.00	1.86	0.01	197%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	30.49	ND	0.23	90%	1.0		c+ u
Aroclor-1260 Peak # 1	A	38.56	0.77	0.15	137%			
Aroclor-1260 Peak # 2	A	3.421	0.07	0.36	136%			
Aroclor-1260 Peak # 3	A	6.234	0.12	0.19	41%			
Aroclor-1260 Peak # 4	A	41.50	0.83	0.19	126%			
Aroclor-1260 Peak # 5	A	62.73	1.25	0.27	130%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	46.40	1.000	0.9280	93	52-186	c+ u
Decachlorobiphenyl (PCB)	A	39.20	1.000	0.7840	78	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622054)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9640442	7808094	-19.01
1-bromo-2-nitrobenzene (PCB)	A	1993573	1397256	-29.91

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

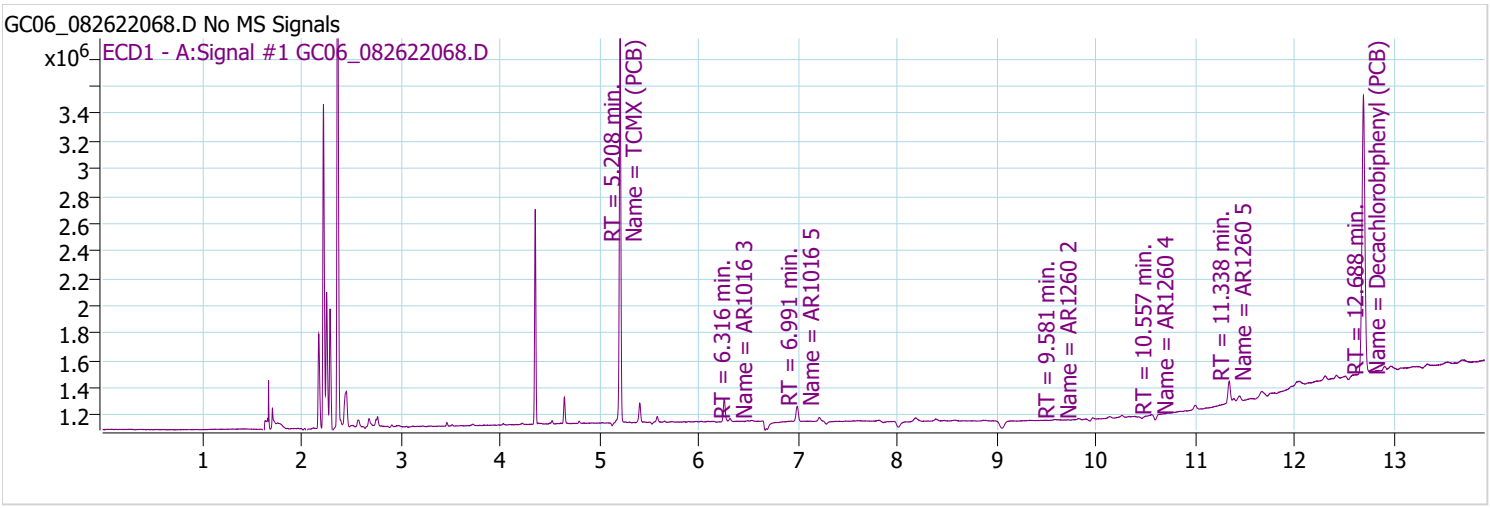
ISTD (CCV gc06_082622054)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.12	4.12	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.35	-0.01

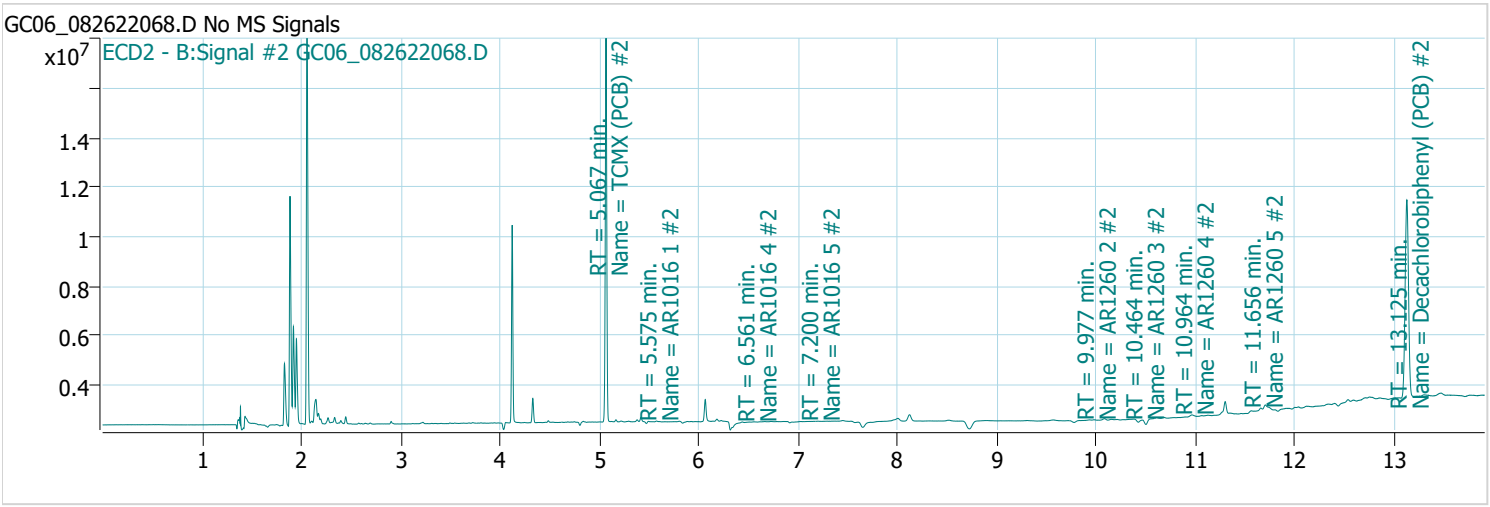
Analyst: TRN 08/29/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622068.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/27/2022 9:15:54 AM
Sample Name	467872-033, 295631, 1	Instrument	SVOA-GC06
Vial	39	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



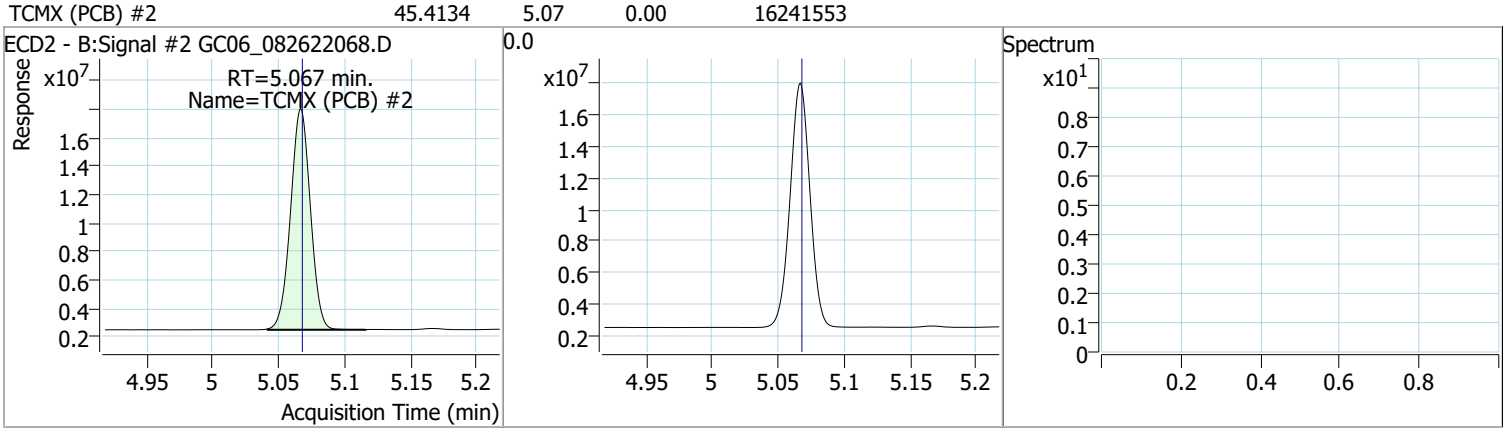


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	7808094.409	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB)	4.354	0.0	1397256.427	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB) #2	5.067	0.0	16241553.422	45.4134	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 227.07%		*	
S TCMX (PCB)	5.208	0.0	3117587.869	46.3868	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 231.93%		*	
S Decachlorobiphenyl (PCB)	12.688	0.0	4163463.979	39.1895	ng/ml		-0.018
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 195.95%		*	
S Decachlorobiphenyl (PCB) #2	13.125	0.0	19056542.258	40.4463	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 202.23%		*	
Target Compounds							QValue

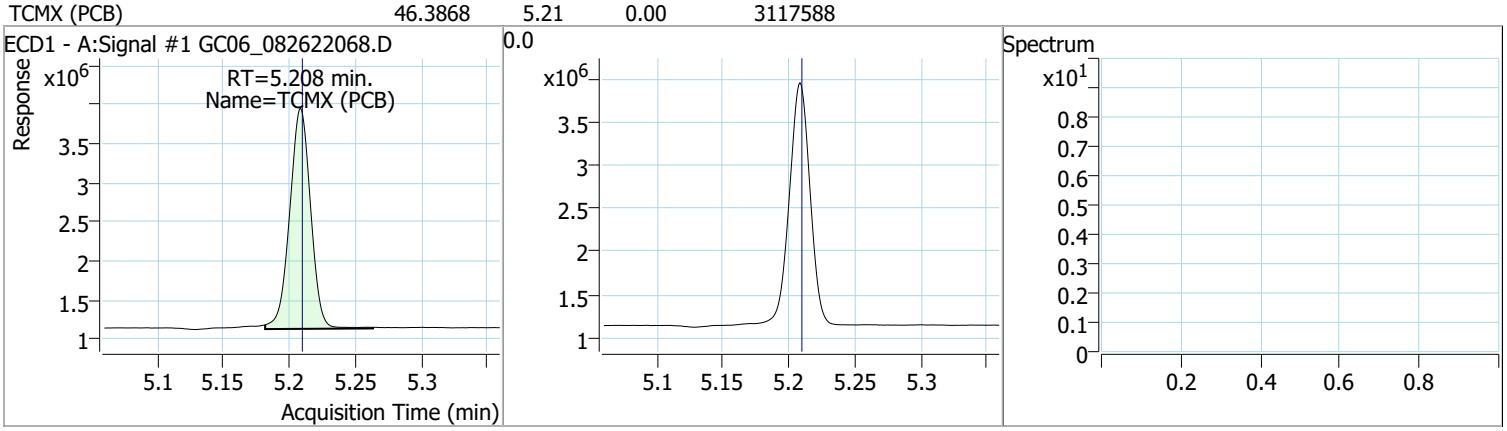
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.575	0.0	399780.812	54.6743	ng/ml	100
T AR1016 1	5.582	0.0	89609.239	65.5631	ng/ml	100
T AR1016 2 #2	5.924	0.0	222002.915	14.6302	ng/ml	100
T AR1016 2	5.898	0.0	9496.434	3.1911	ng/ml	100
T AR1016 3 #2	6.438	0.0	1192648.332	59.5970	ng/ml	100
T AR1016 3	6.316	0.0	25475.500	7.2737	ng/ml	100
T AR1016 4	6.530	0.0	512617.693	195.5824	ng/ml	100
T AR1016 4 #2	6.561	0.0	157099.078	11.5712	ng/ml	100
T AR1016 5	6.991	0.0	188511.743	92.9799	ng/ml	100
T AR1016 5 #2	7.200	0.0	7815.876	0.7363	ng/ml	100
T AR1260 1	9.147	0.0	169507.971	38.5489	ng/ml	100
T AR1260 1 #2	9.569	0.0	171640.193	7.2631	ng/ml	100
T AR1260 2	9.581	0.0	23166.229	3.4205	ng/ml	100
T AR1260 2 #2	9.977	0.0	494811.878	18.1210	ng/ml	100
T AR1260 3	10.133	0.0	43877.698	6.2320	ng/ml	100
T AR1260 3 #2	10.464	0.0	352018.724	9.4888	ng/ml	100
T AR1260 4	10.557	0.0	145281.583	41.4904	ng/ml	100
T AR1260 4 #2	10.964	0.0	189097.709	9.4198	ng/ml	100
T AR1260 5	11.338	0.0	290621.377	62.7090	ng/ml	100
T AR1260 5 #2	11.656	0.0	394958.550	13.3448	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

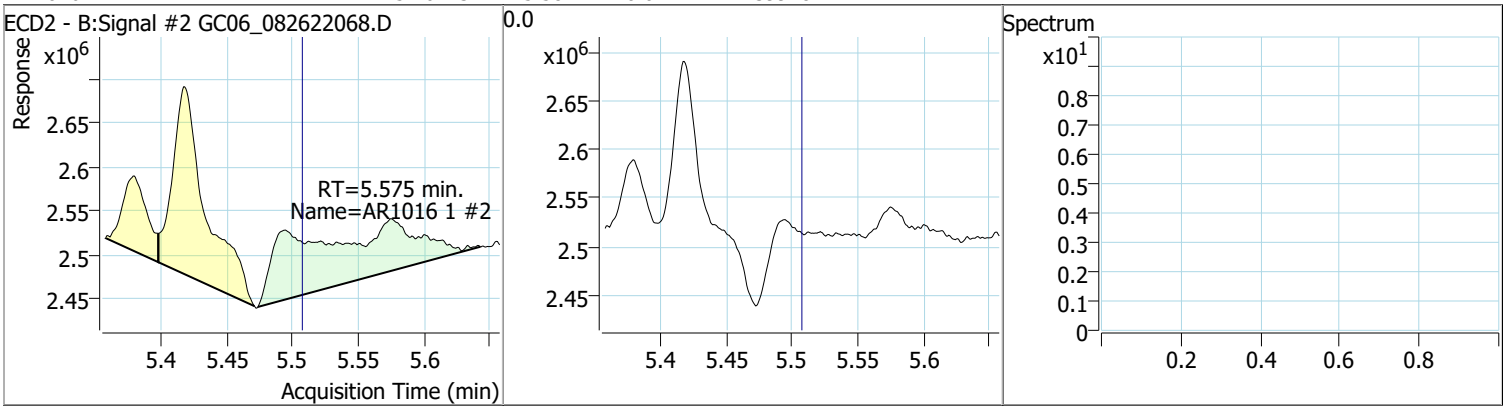
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	45.4134	5.07	0.00	16241553				



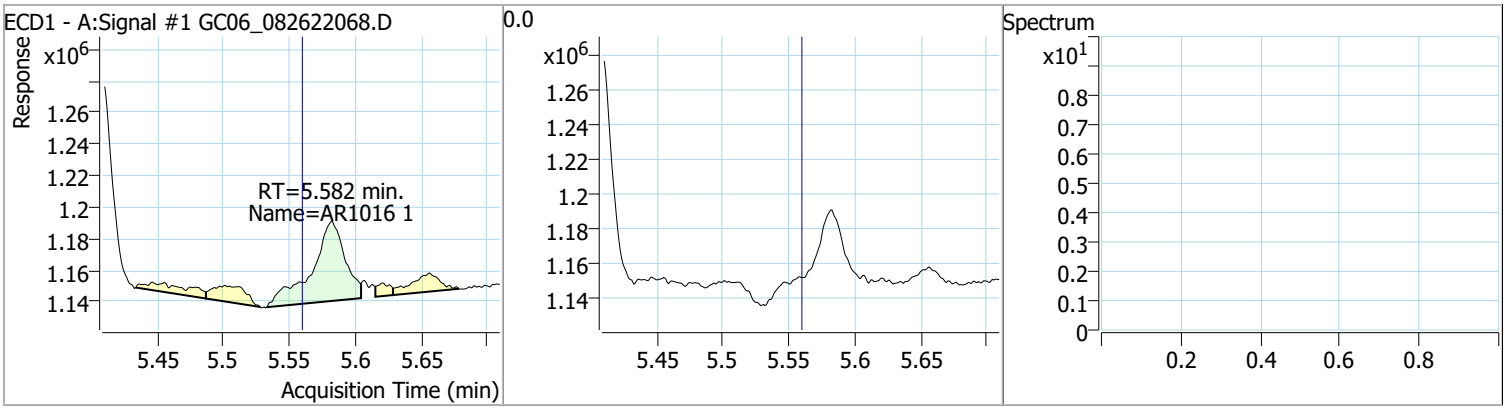
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	46.3868	5.21	0.00	3117588				



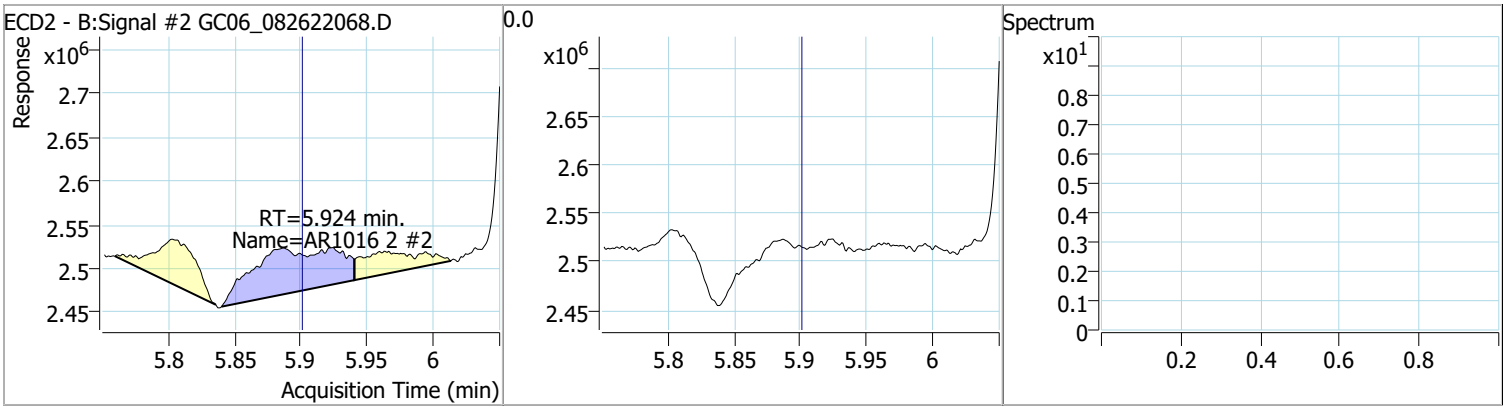
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	54.6743	5.58	0.07	399781				



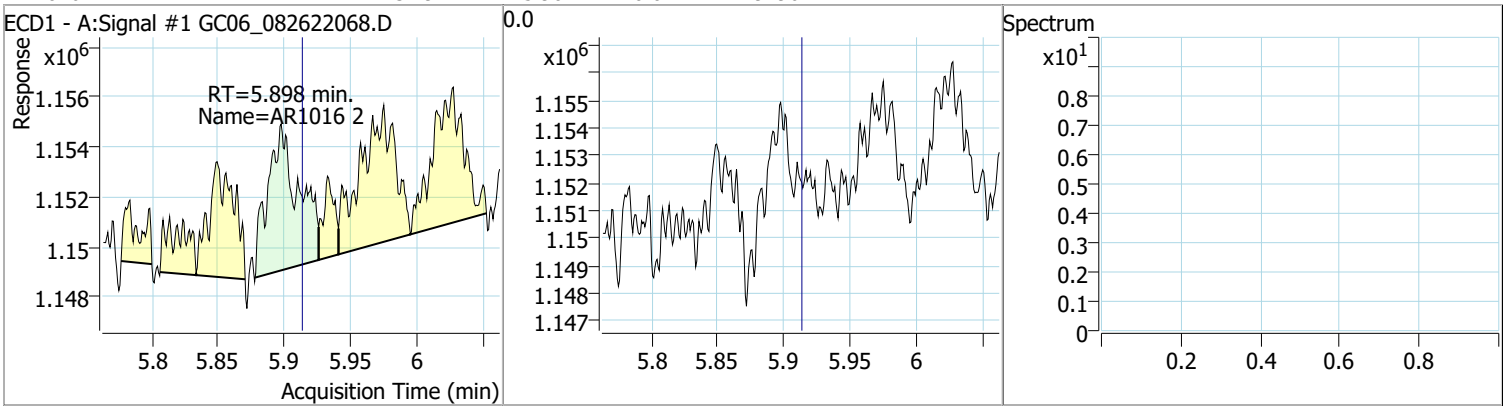
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	65.5631	5.58	0.02	89609				



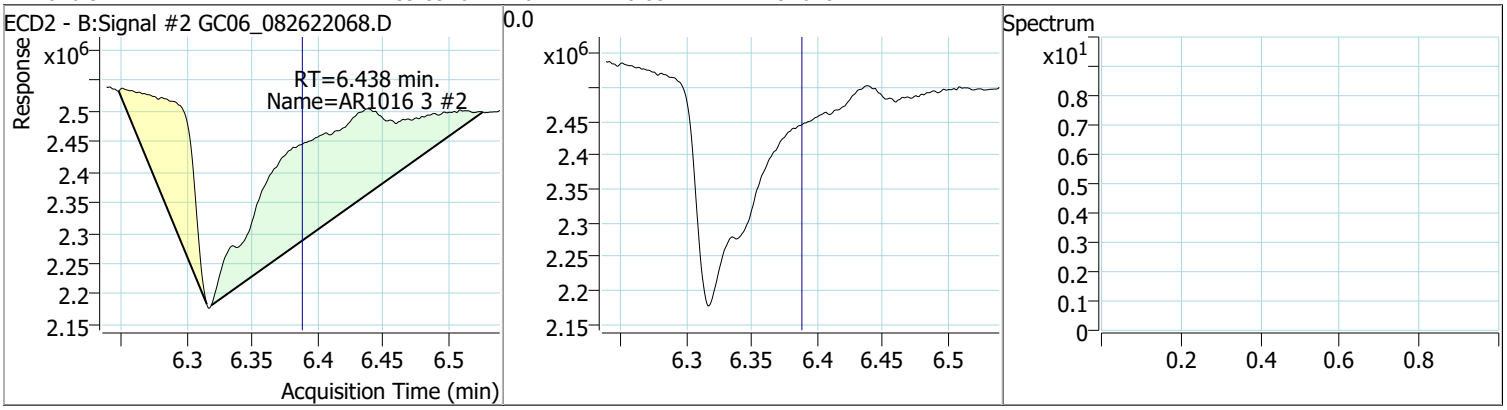
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	14.6302	5.92	0.02	222003				



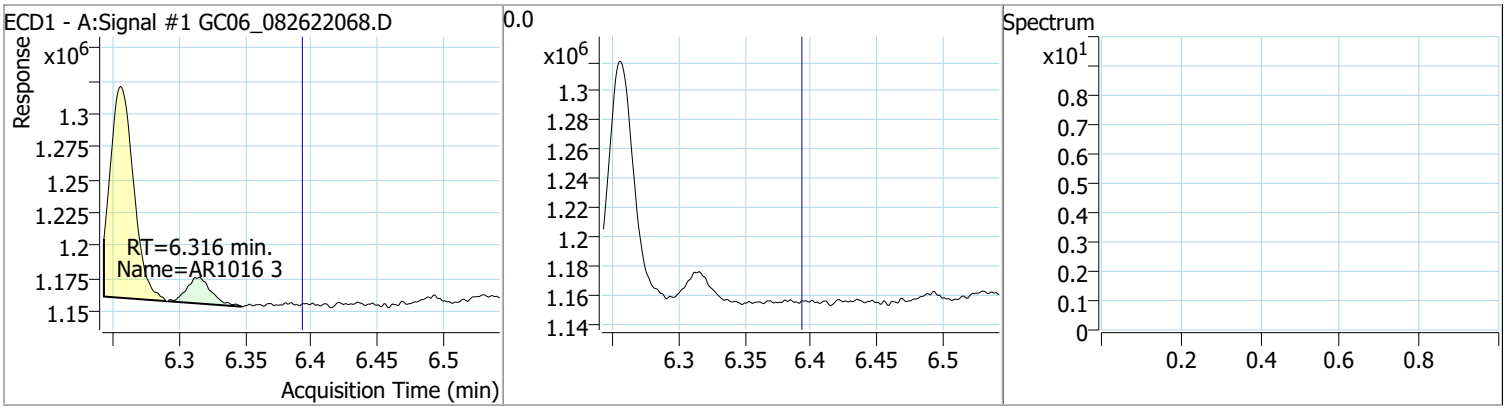
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	3.1911	5.90	-0.02	9496				



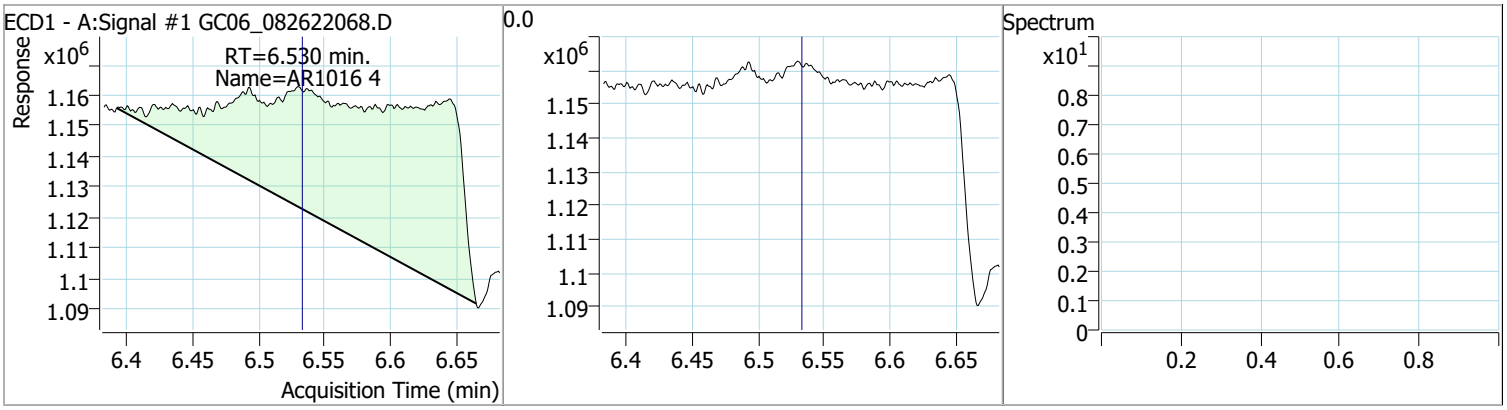
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	59.5970	6.44	0.05	1192648				



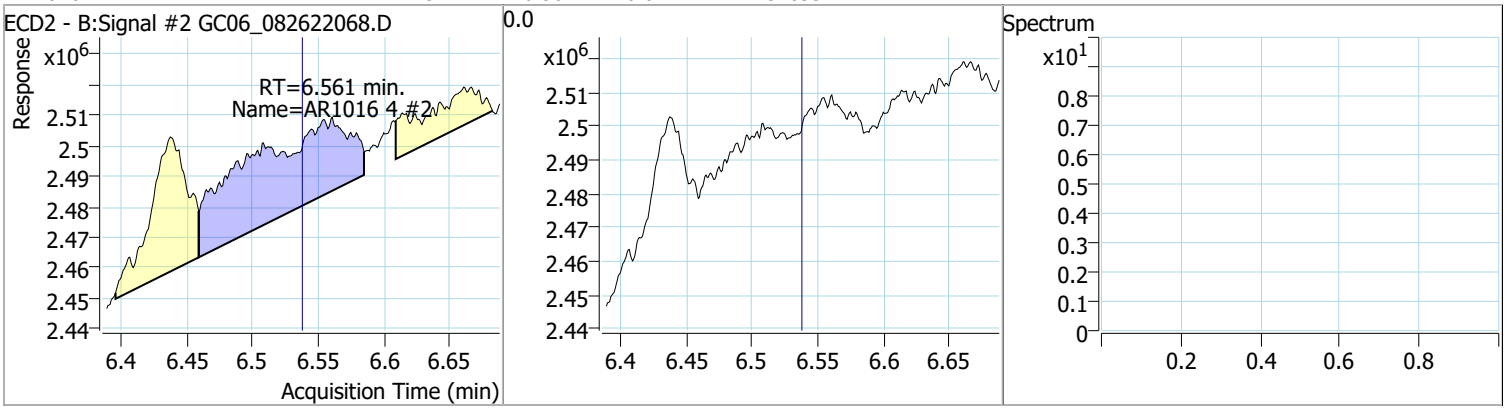
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	7.2737	6.32	-0.08	25476				



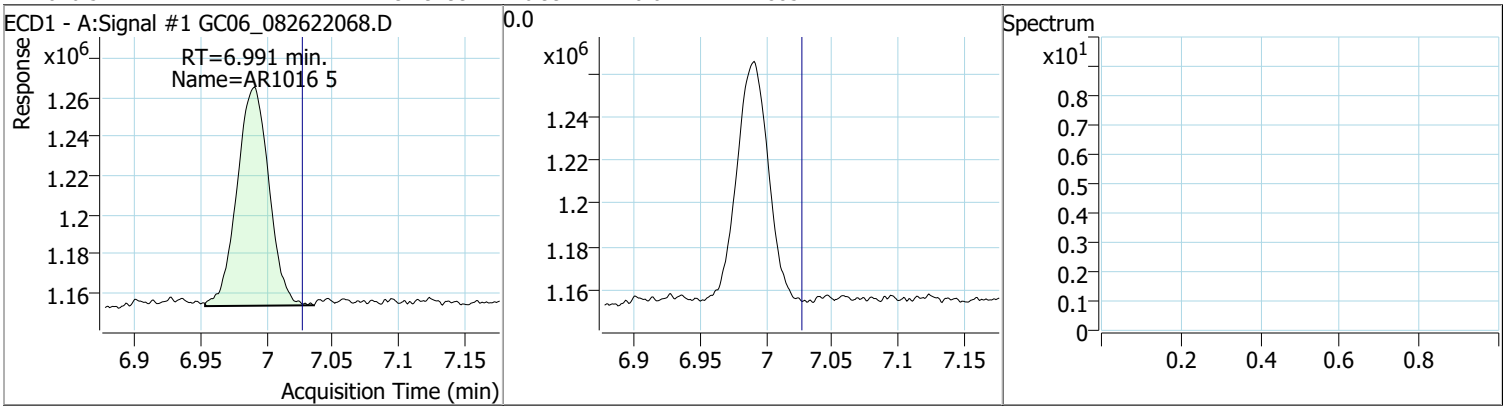
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	195.5824	6.53	0.00	512618				



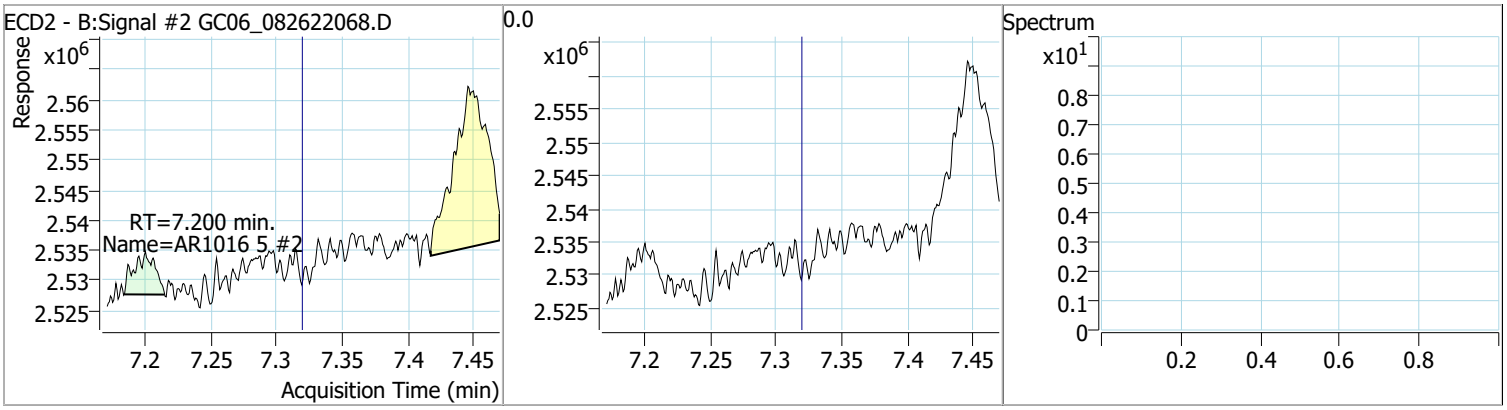
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	11.5712	6.56	0.02	157099				



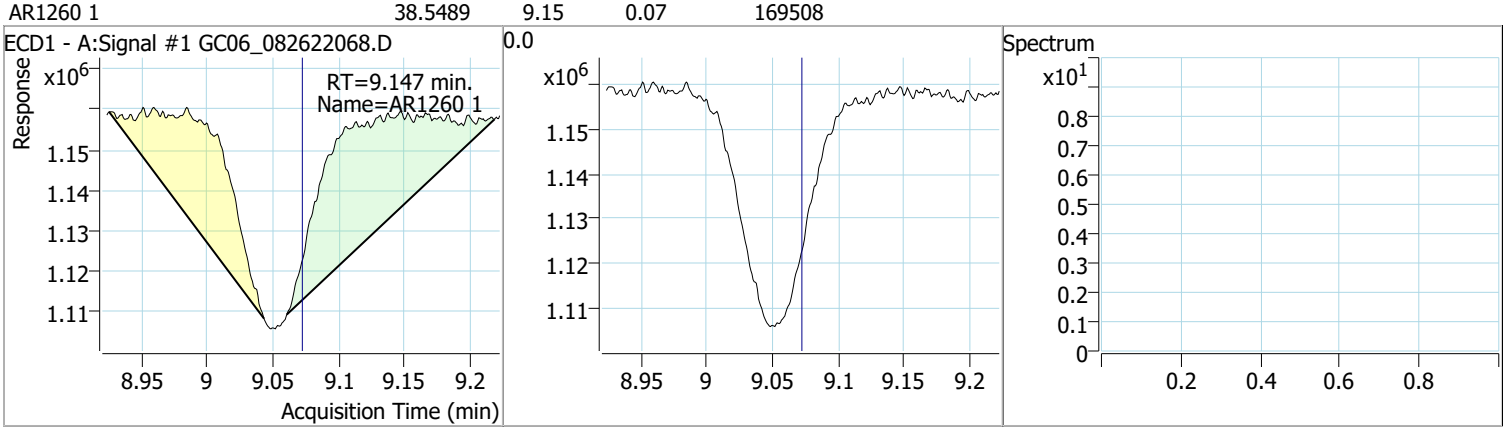
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	92.9799	6.99	-0.04	188512				



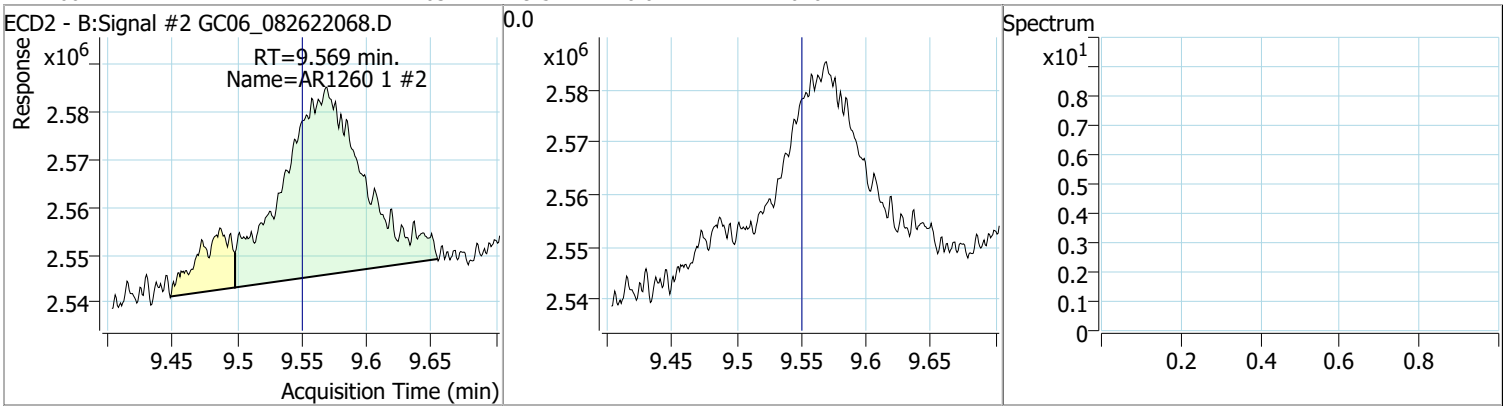
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.7363	7.20	-0.12	7816				



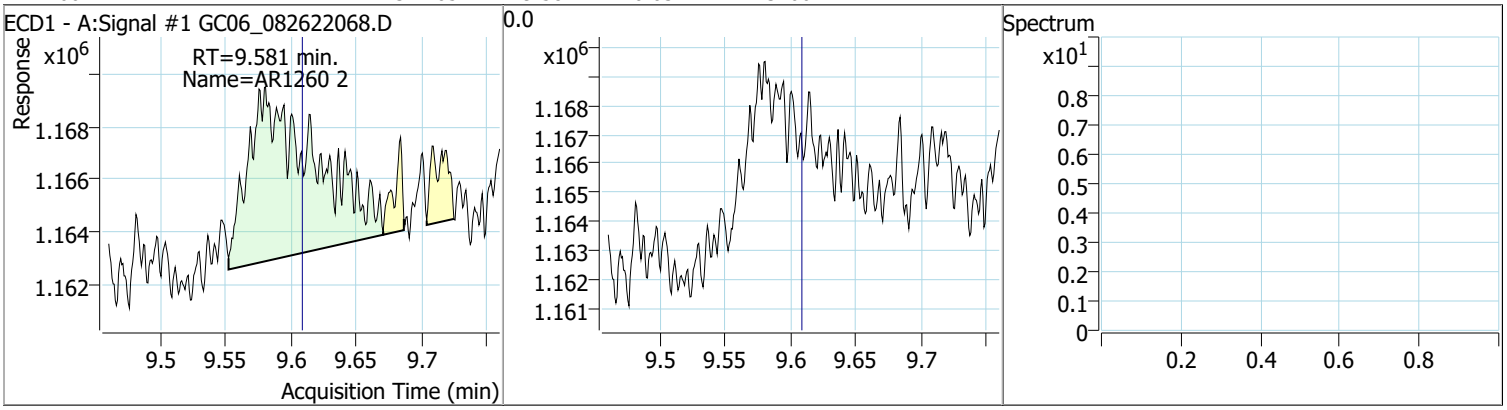
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	38.5489	9.15	0.07	169508				



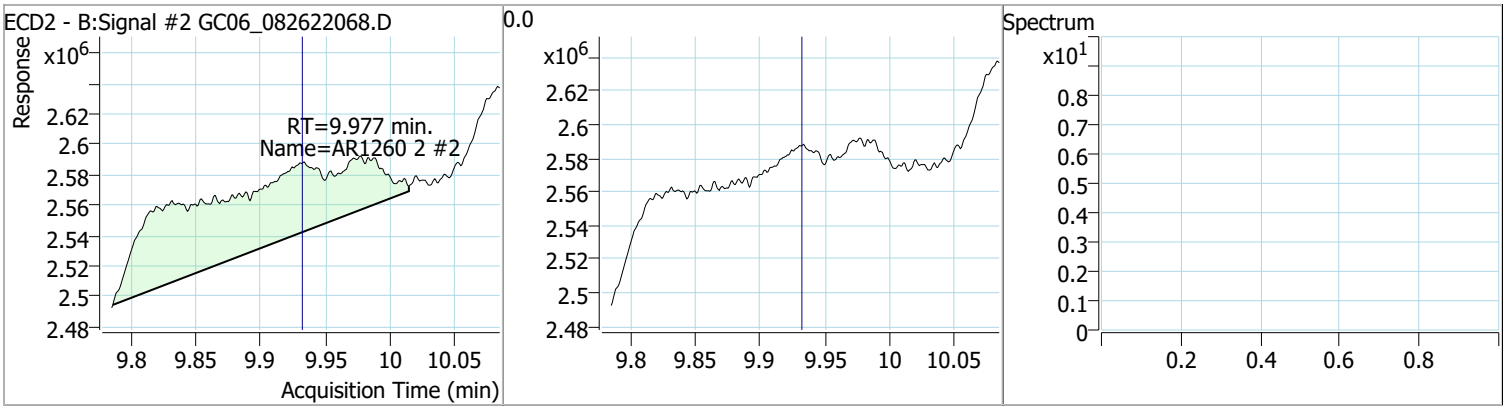
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	7.2631	9.57	0.01	171640				



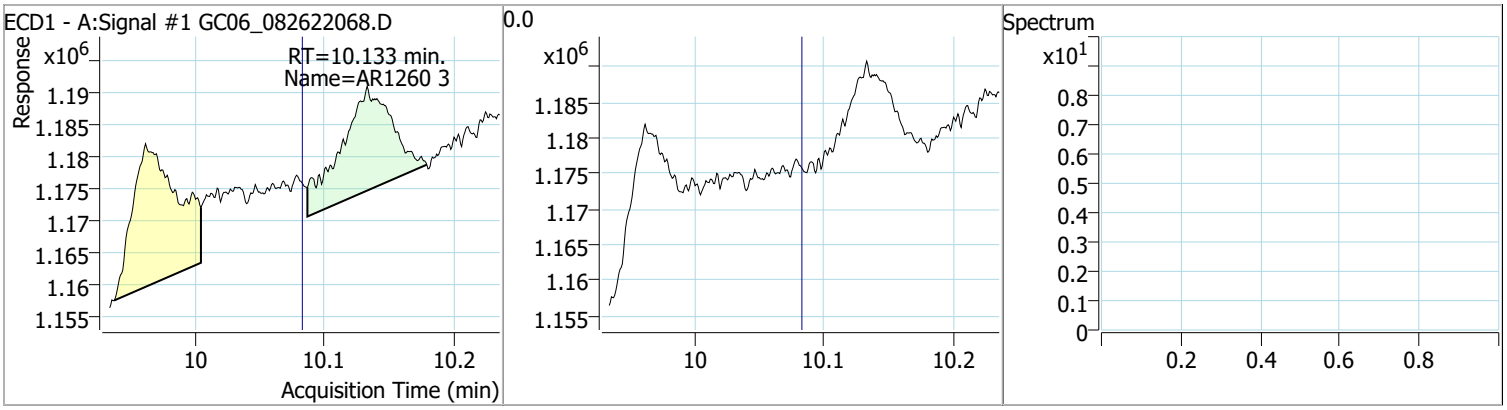
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	3.4205	9.58	-0.03	23166				



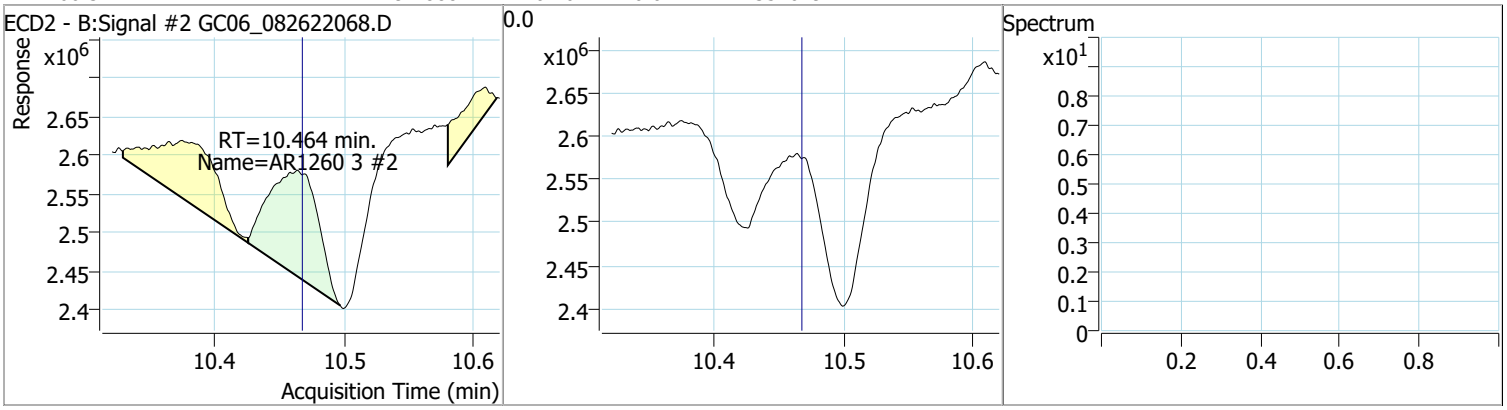
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	18.1210	9.98	0.04	494812				



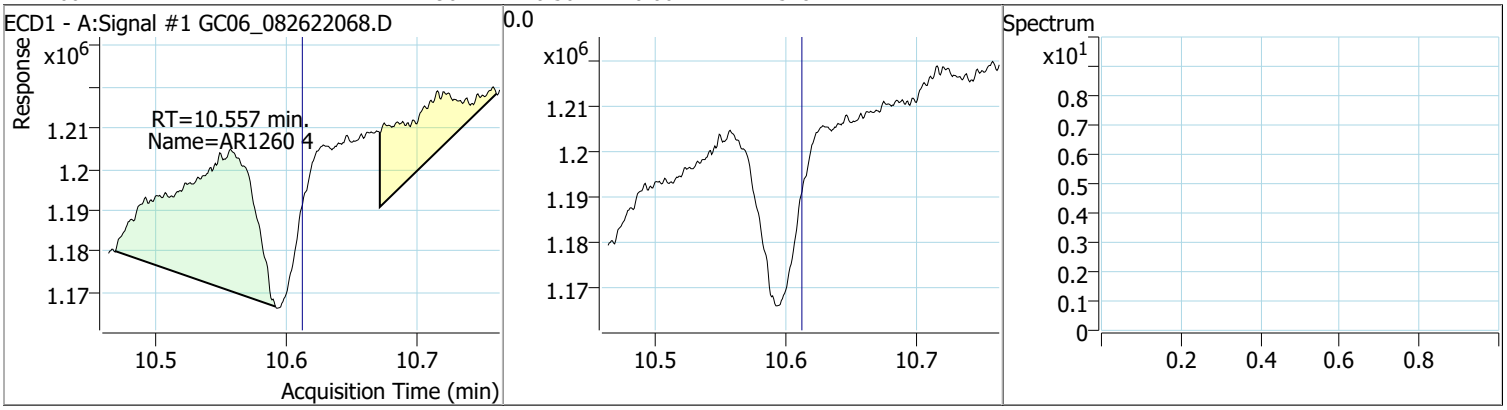
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	6.2320	10.13	0.05	43878				



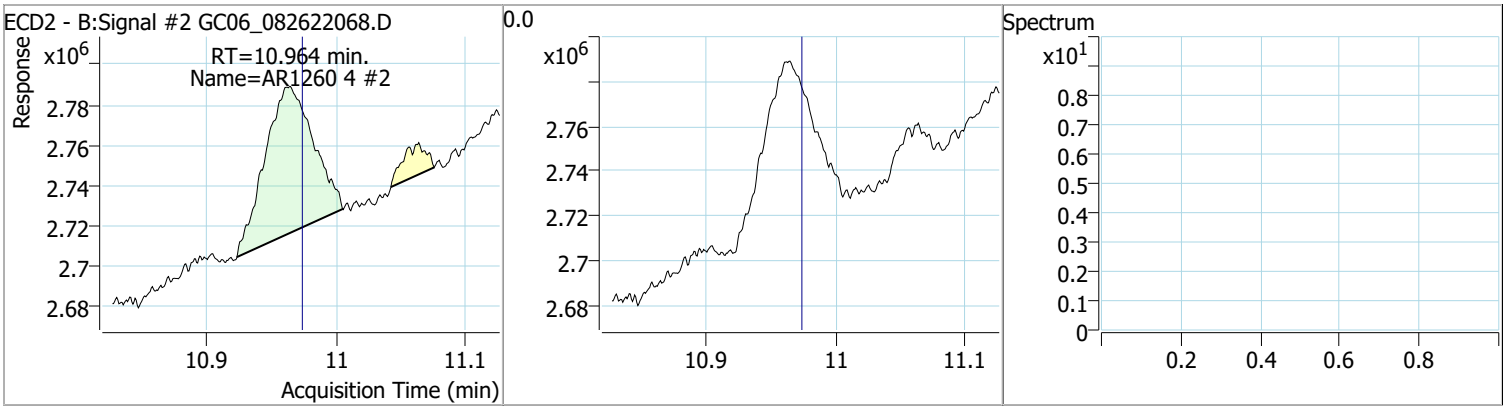
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	9.4888	10.46	-0.01	352019				



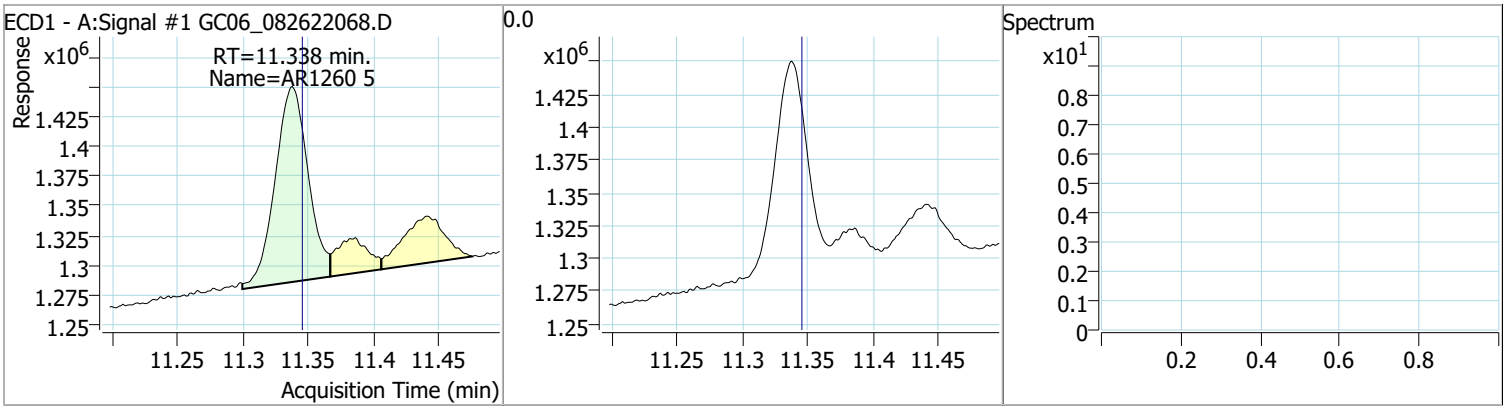
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	41.4904	10.56	-0.06	145282				



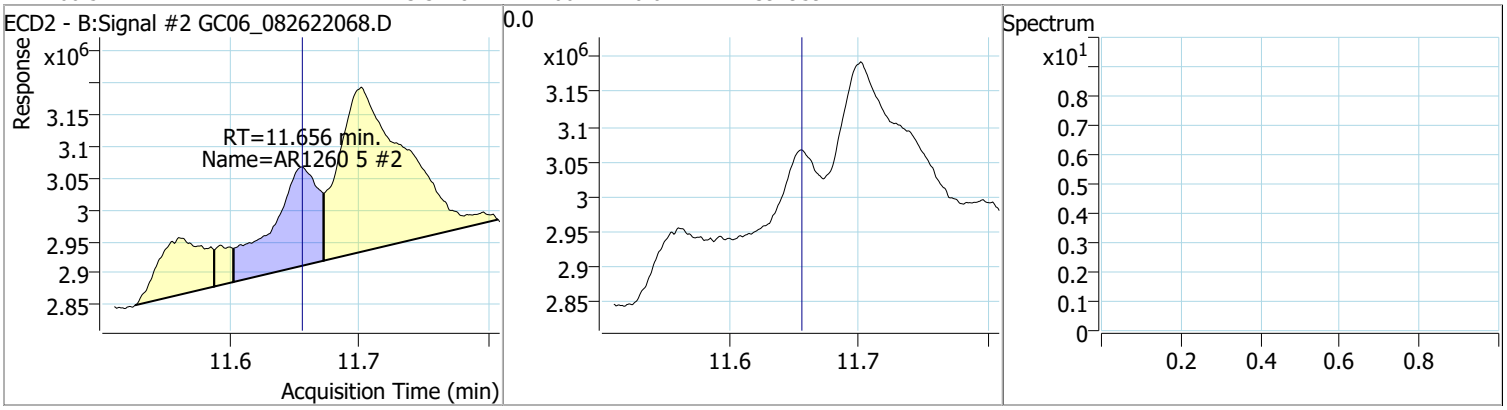
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	9.4198	10.96	-0.01	189098				



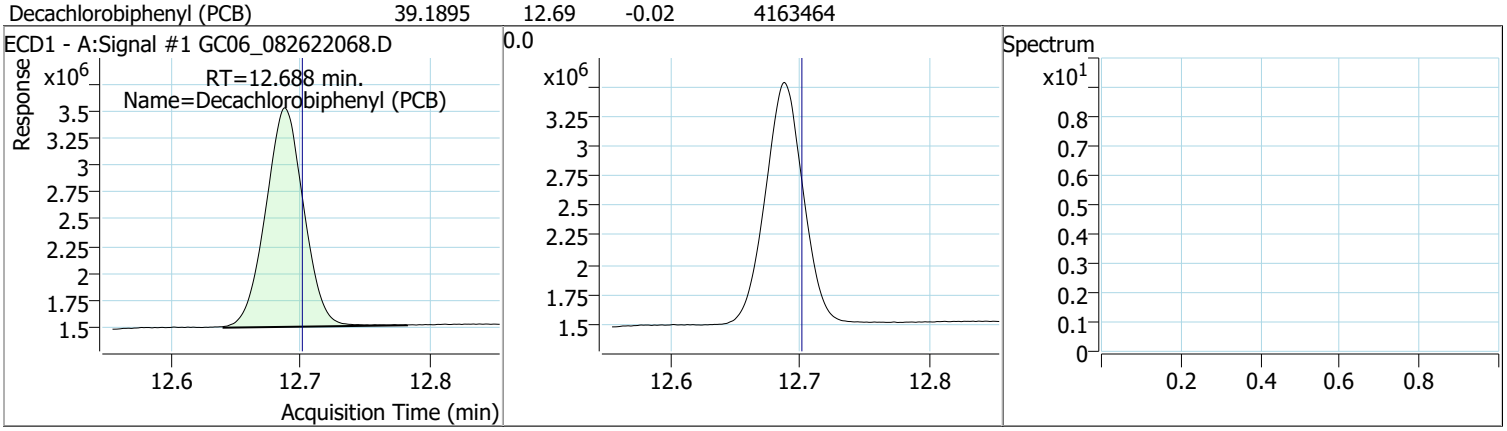
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	62.7090	11.34	-0.01	290621				



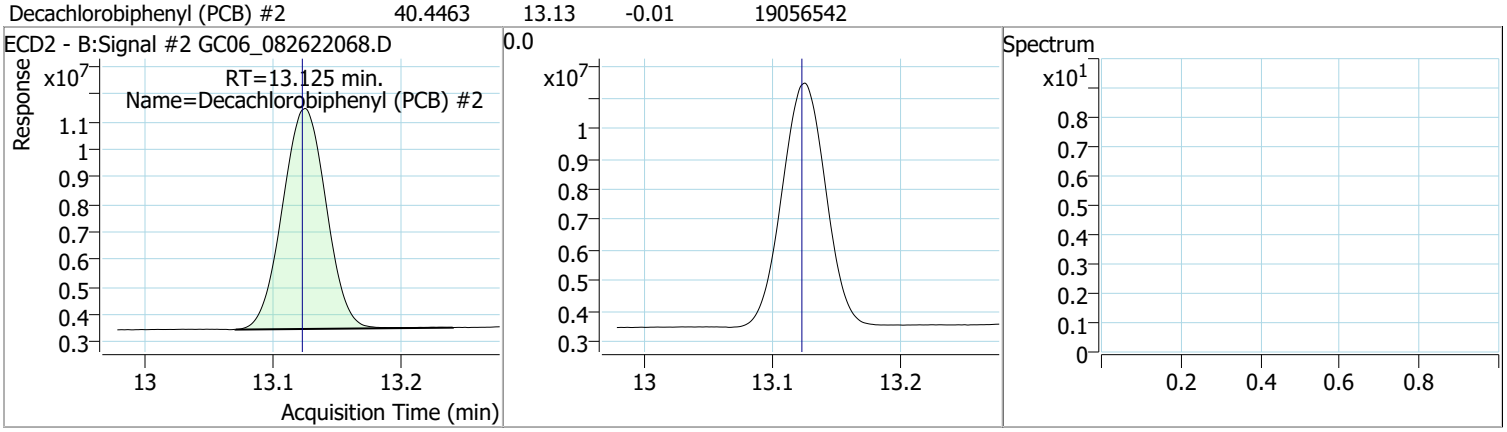
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	13.3448	11.66	-0.01	394959				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.1895	12.69	-0.02	4163464				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	40.4463	13.13	-0.01	19056542				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467872-034	Client ID:	DOOR-N-0.4GE-DG-3 TO 16-220823-P-DUP-LA
Seqnum:	452343556069	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622069	Batch:	295631	Time:	27-AUG-2022 09:33
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	80.52	~~1.6~~ ~~FP~~	0.46	111%	1.0		x u
Aroclor-1016 Peak # 1	A	72.09	1.44	1.16	21%			
Aroclor-1016 Peak # 2	A	10.56	0.21	0.29	31%			
Aroclor-1016 Peak # 3	A	7.209	0.14	0.55	117%			
Aroclor-1016 Peak # 4	A	179.8	3.60	0.28	171%			
Aroclor-1016 Peak # 5	A	133.0	2.66	0.01	198%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	32.16	ND	0.30	73%	1.0		c+ u
Aroclor-1260 Peak # 1	A	48.80	0.98	0.16	143%			
Aroclor-1260 Peak # 2	A	4.033	0.08	0.04	69%			
Aroclor-1260 Peak # 3	A	3.855	0.08	0.20	89%			
Aroclor-1260 Peak # 4	A	48.15	0.96	0.13	153%			
Aroclor-1260 Peak # 5	A	55.98	1.12	0.96	15%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	51.77	1.000	1.035	104	52-186	c+ u
Decachlorobiphenyl (PCB)	A	46.29	1.000	0.9258	93	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622054)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9640442	7060125	-26.77
1-bromo-2-nitrobenzene (PCB)	A	1993573	1281278	-35.73

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

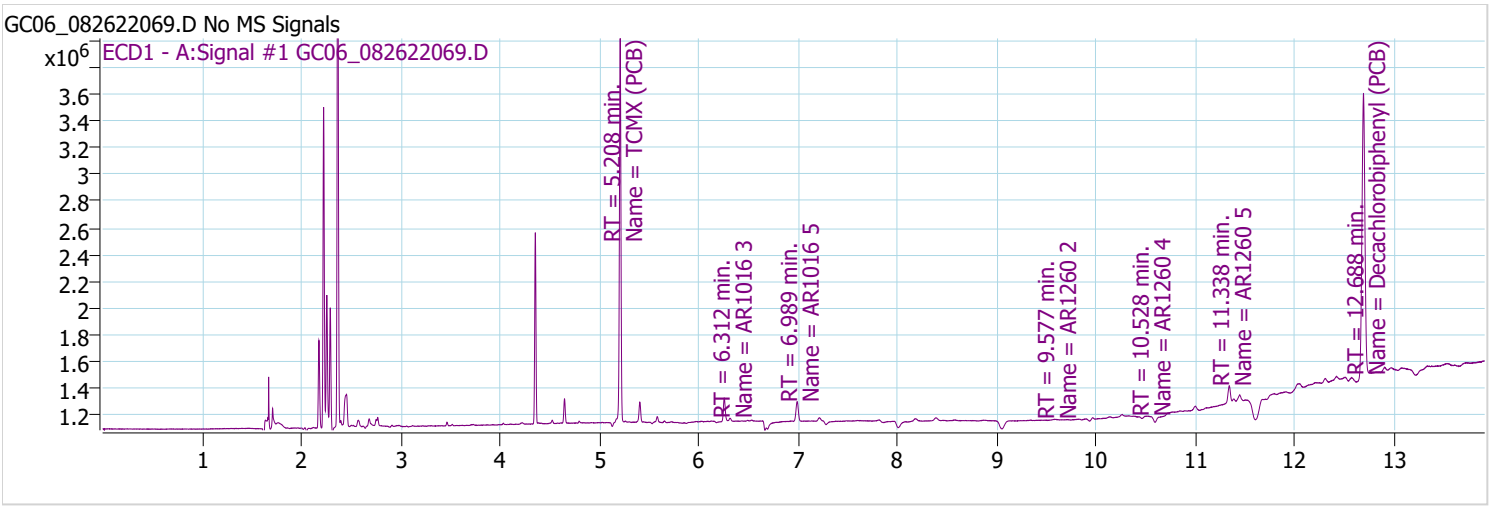
ISTD (CCV gc06_082622054)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.12	4.12	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.35	-0.01

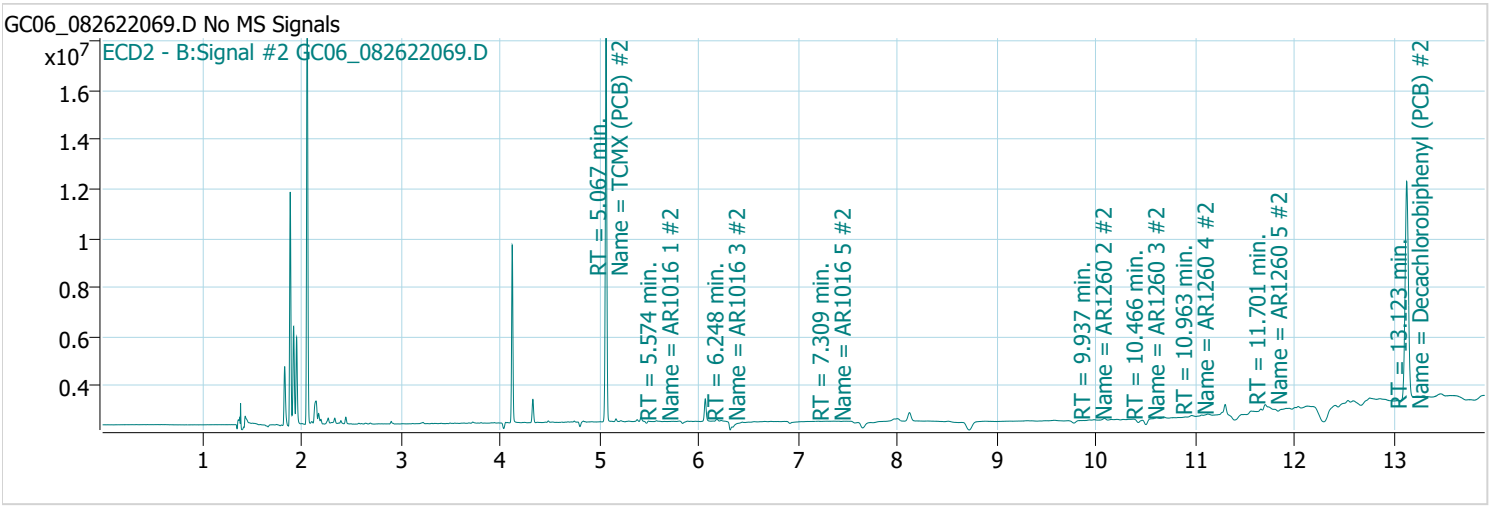
Analyst: TRN 08/29/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622069.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/27/2022 9:33:19 AM
Sample Name	467872-034, 295631, 1	Instrument	SVOA-GC06
Vial	40	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



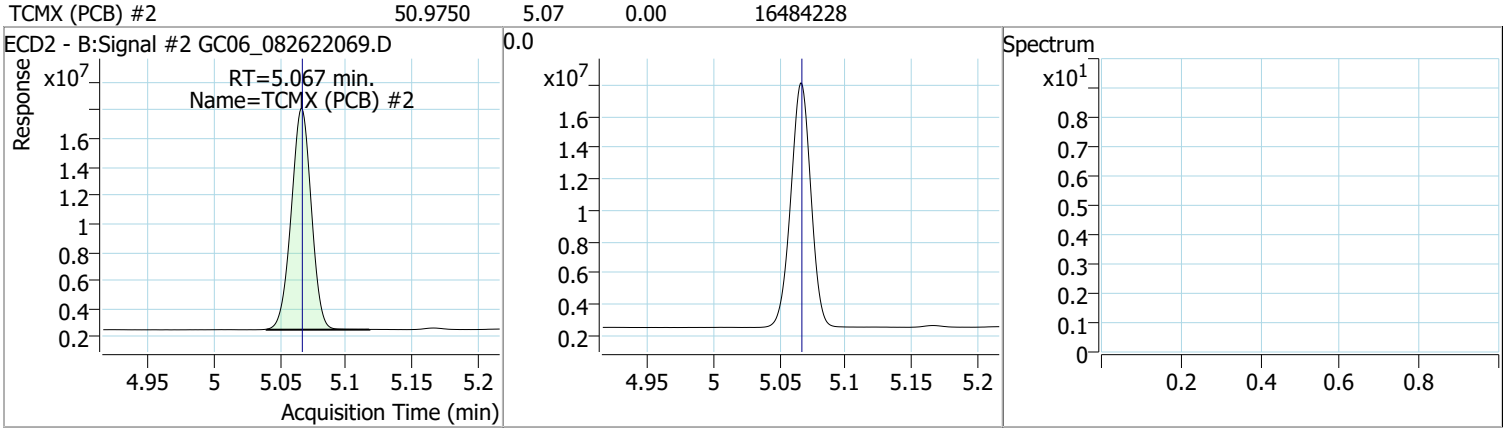


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.122	0.0	7060125.480	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB)	4.354	0.0	1281277.752	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB) #2	5.067	0.0	16484227.852	50.9750	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 254.88%		*	
S TCMX (PCB)	5.208	0.0	3189667.114	51.7552	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 258.78%		*	
S Decachlorobiphenyl (PCB)	12.688	0.0	4508478.261	46.2783	ng/ml		-0.018
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 231.39%		*	
S Decachlorobiphenyl (PCB) #2	13.123	0.0	20495838.310	48.1097	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 240.55%		*	
Target Compounds							QValue

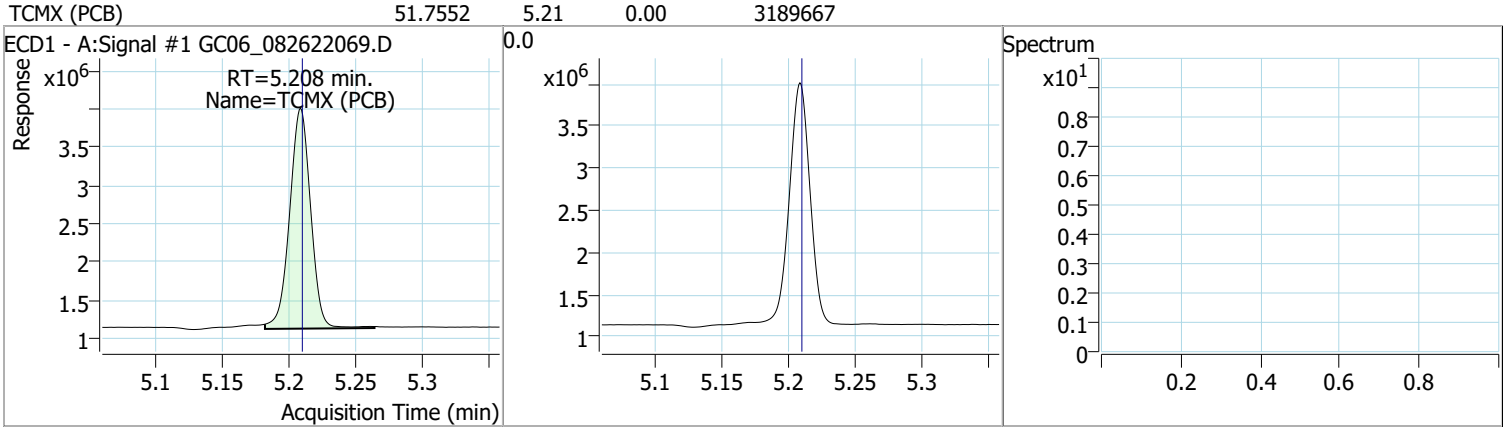
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.574	0.0	384027.273	58.0839	ng/ml	100
T AR1016 1	5.581	0.0	90335.644	72.0774	ng/ml	100
T AR1016 2 #2	5.885	0.0	197854.953	14.4202	ng/ml	100
T AR1016 2	5.971	0.0	28798.854	10.5532	ng/ml	100
T AR1016 3 #2	6.248	0.0	497458.025	27.4917	ng/ml	100
T AR1016 3	6.312	0.0	23146.376	7.2069	ng/ml	100
T AR1016 4	6.533	0.0	431932.357	179.7152	ng/ml	100
T AR1016 4 #2	6.557	0.0	169985.536	13.8468	ng/ml	100
T AR1016 5	6.989	0.0	247156.577	132.9400	ng/ml	100
T AR1016 5 #2	7.309	0.0	6181.233	0.6440	ng/ml	100
T AR1260 1	9.214	0.0	196728.243	48.7890	ng/ml	100
T AR1260 1 #2	9.568	0.0	172376.096	8.0670	ng/ml	100
T AR1260 2	9.577	0.0	25041.750	4.0321	ng/ml	100
T AR1260 2 #2	9.937	0.0	48552.384	1.9665	ng/ml	100
T AR1260 3	10.138	0.0	24882.951	3.8541	ng/ml	100
T AR1260 3 #2	10.466	0.0	336074.604	10.0188	ng/ml	100
T AR1260 4	10.528	0.0	154576.236	48.1407	ng/ml	100
T AR1260 4 #2	10.963	0.0	116857.843	6.4379	ng/ml	100
T AR1260 5	11.338	0.0	237841.756	55.9659	ng/ml	100
T AR1260 5 #2	11.701	0.0	1284488.143	47.9979	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

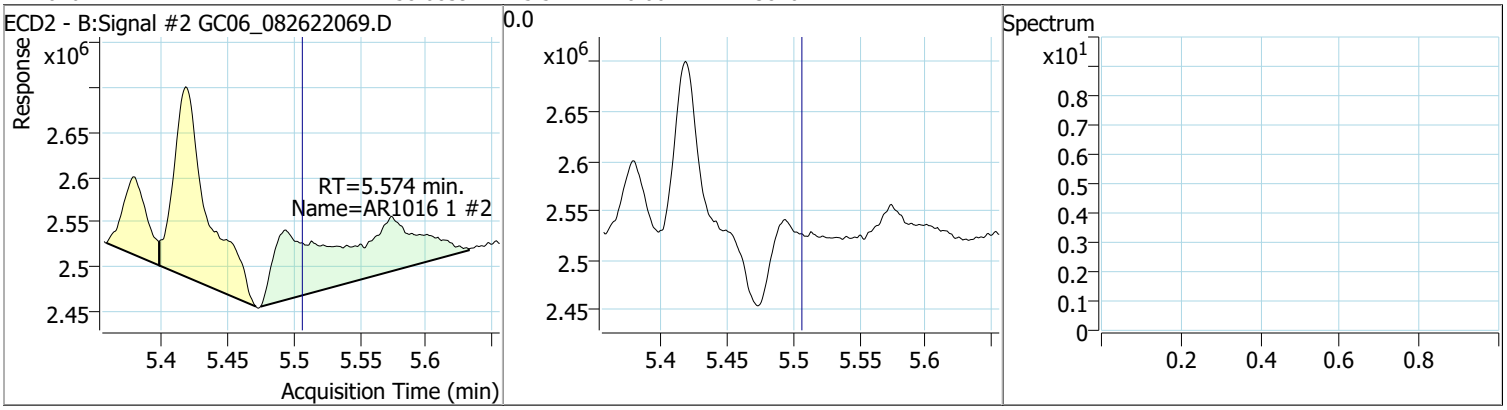
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	50.9750	5.07	0.00	16484228				



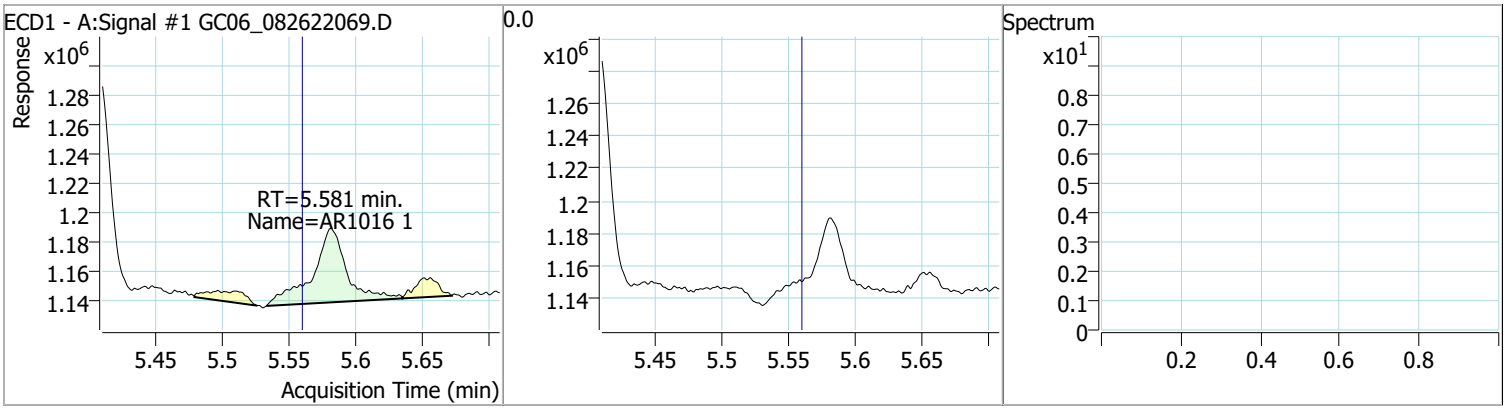
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	51.7552	5.21	0.00	3189667				



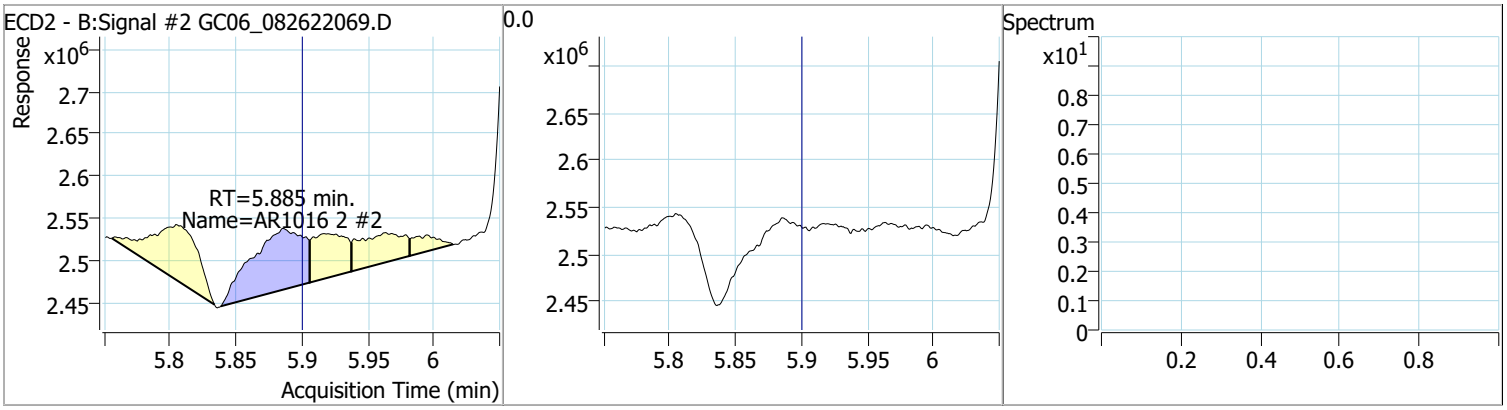
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	58.0839	5.57	0.06	384027				



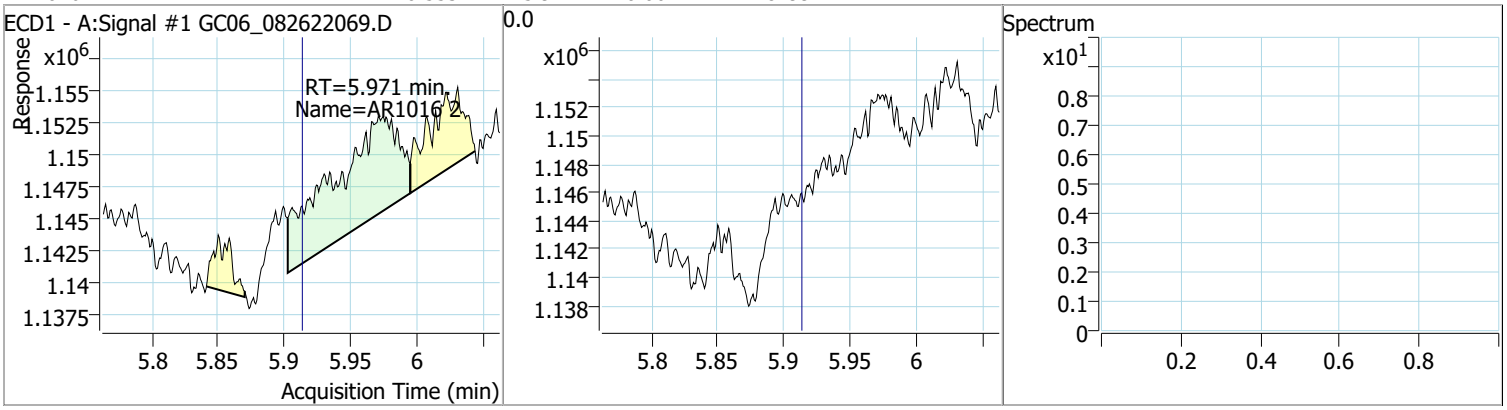
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	72.0774	5.58	0.02	90336				



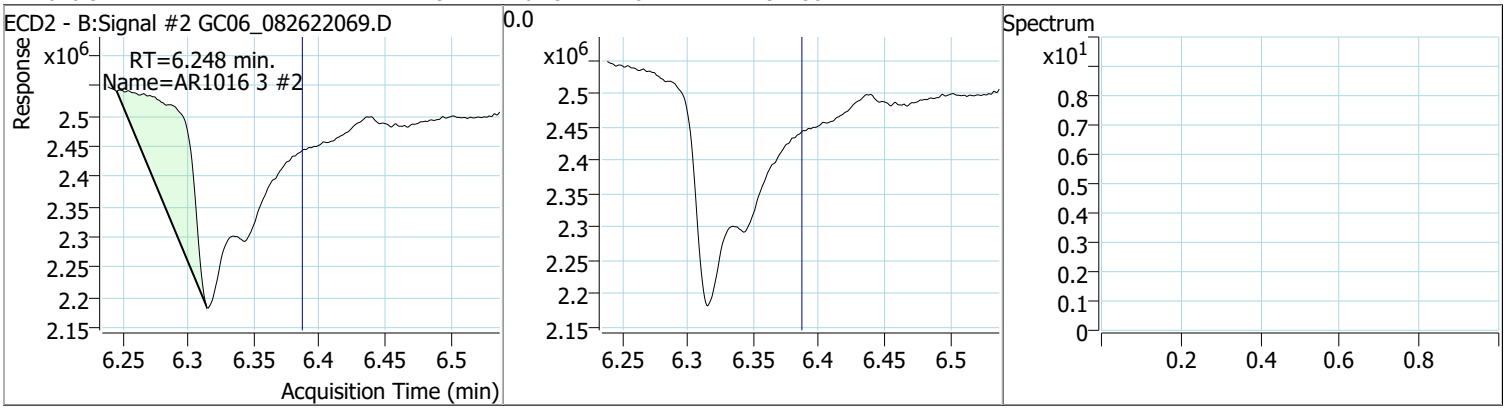
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	14.4202	5.89	-0.02	197855				



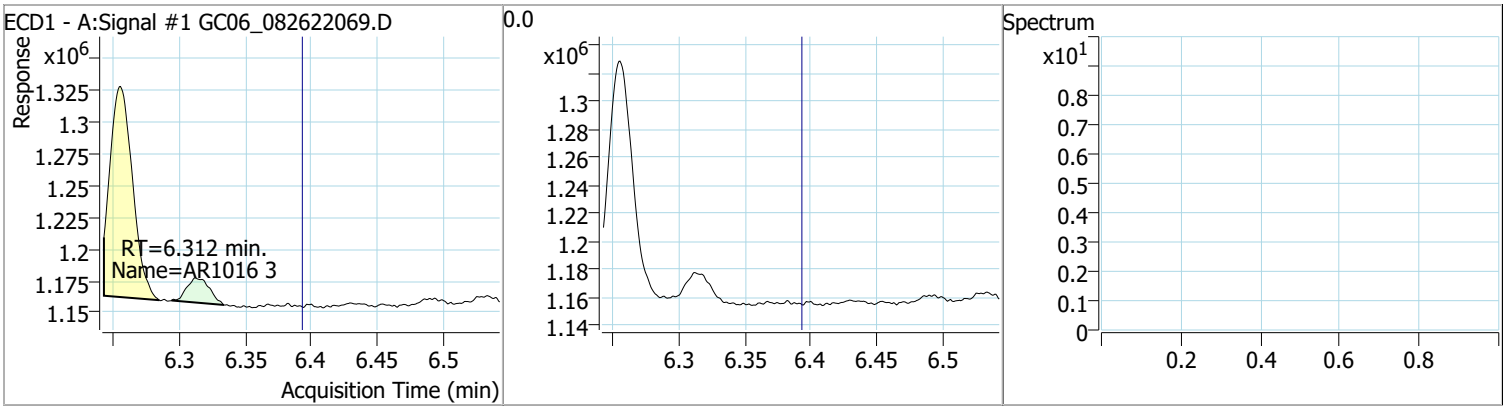
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	10.5532	5.97	0.06	28799				



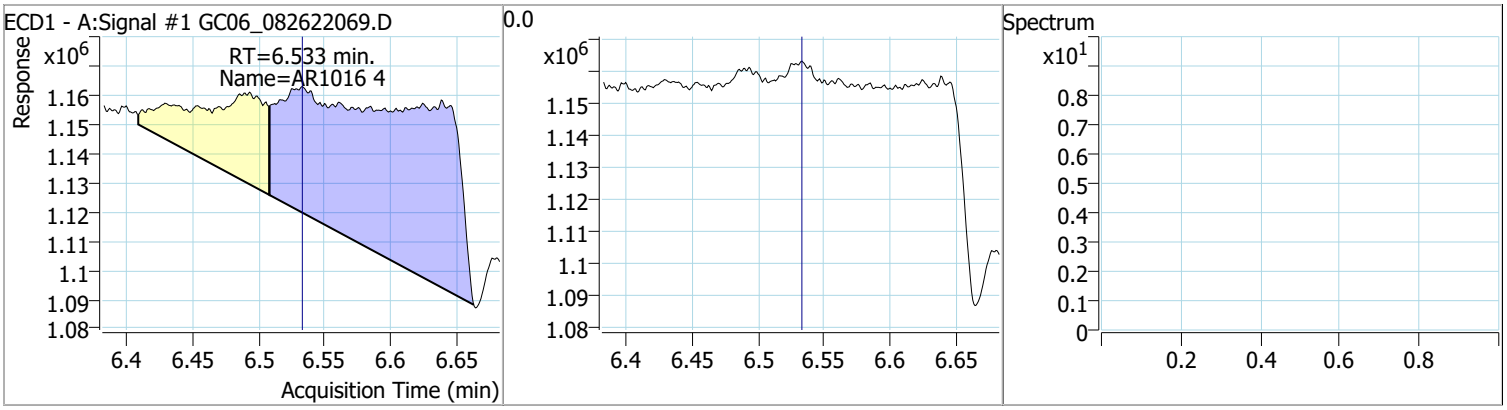
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	27.4917	6.25	-0.14	497458				



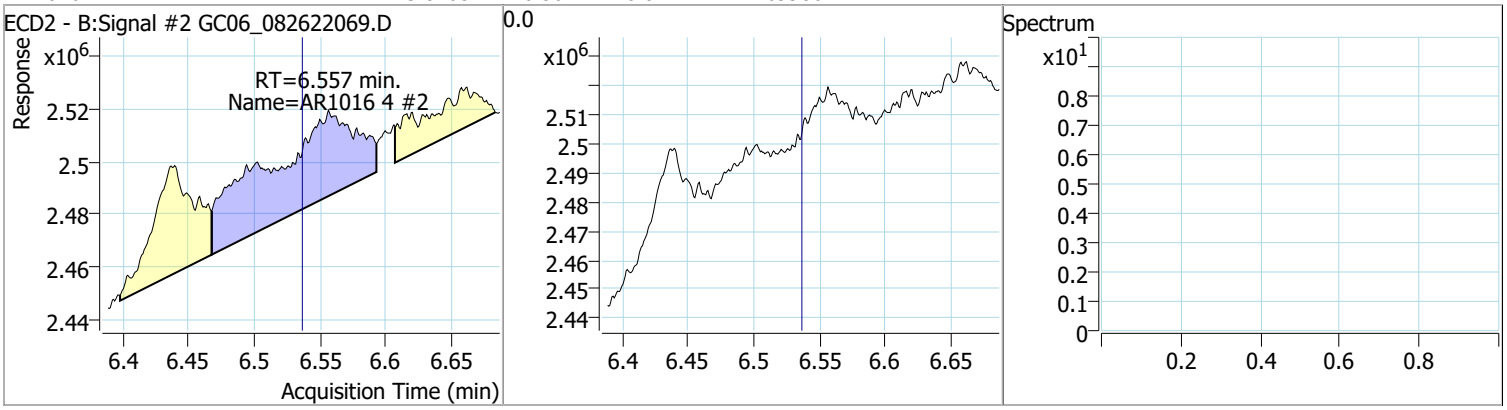
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	7.2069	6.31	-0.08	23146				



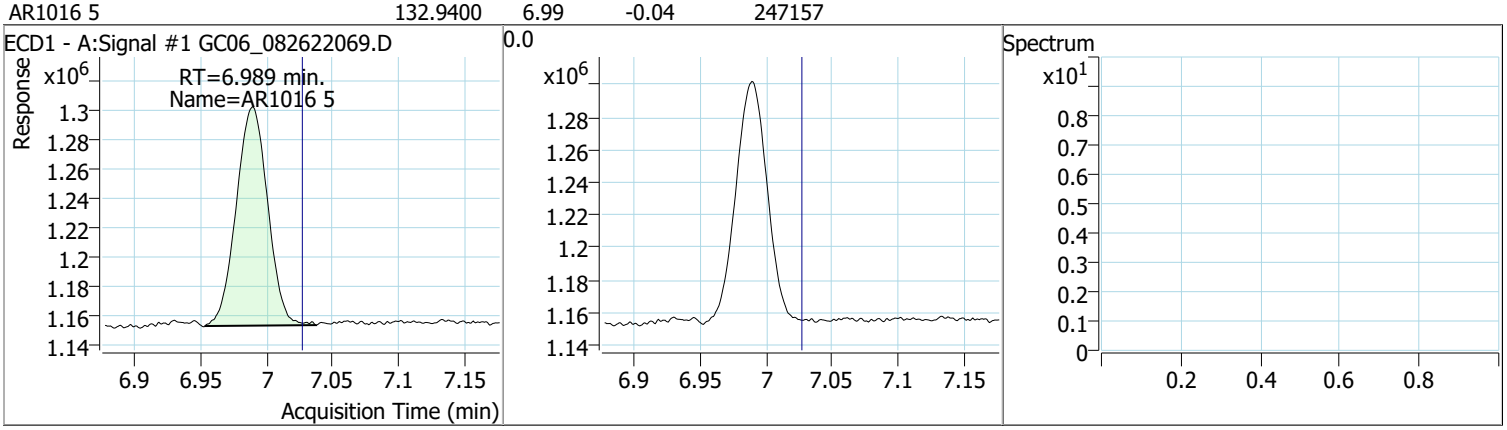
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	179.7152	6.53	0.00	431932				



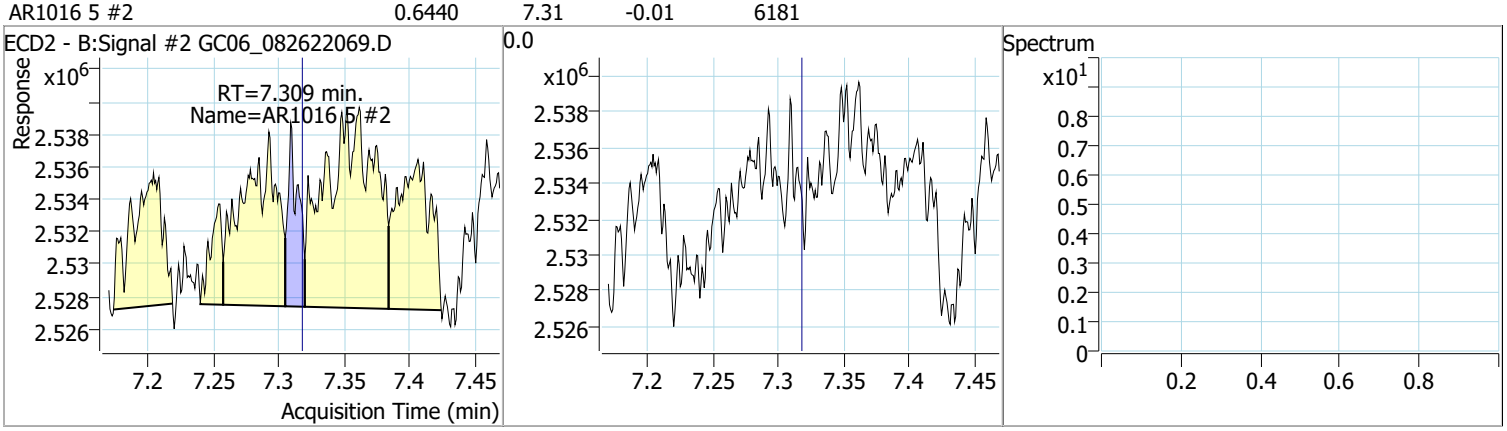
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	13.8468	6.56	0.02	169986				



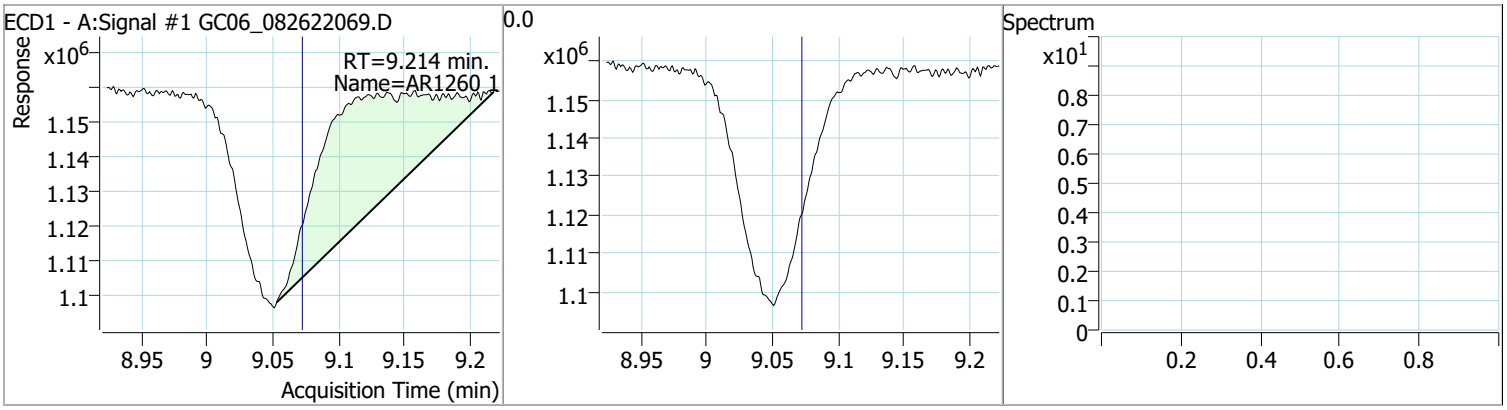
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	132.9400	6.99	-0.04	247157				



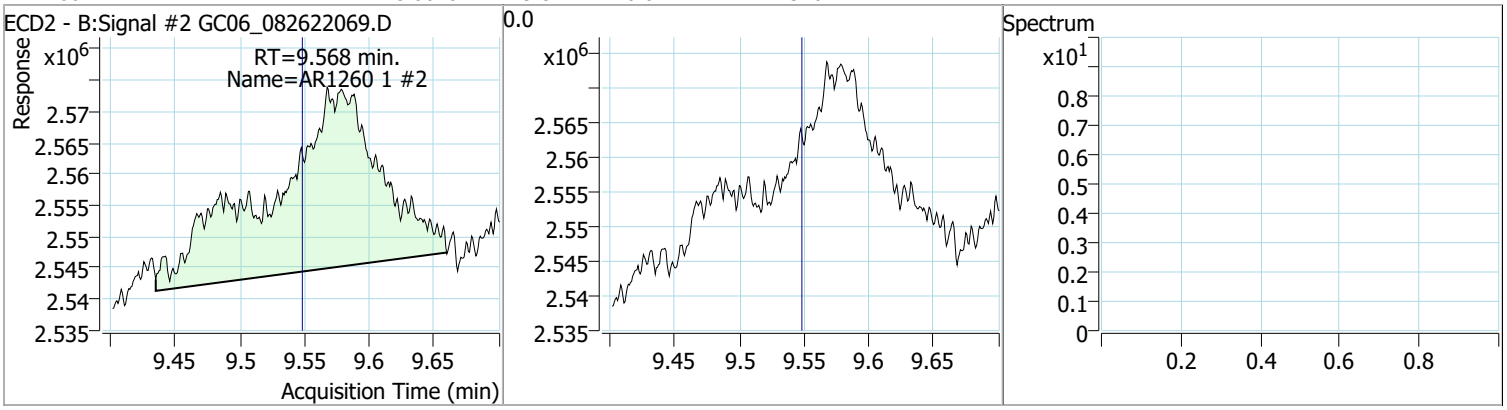
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.6440	7.31	-0.01	6181				



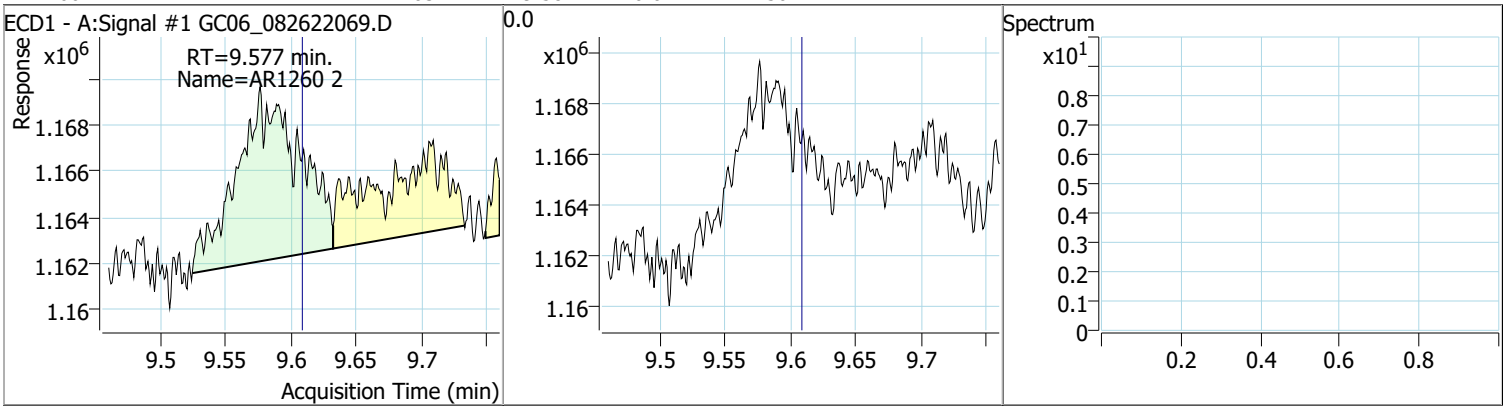
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	48.7890	9.21	0.14	196728				



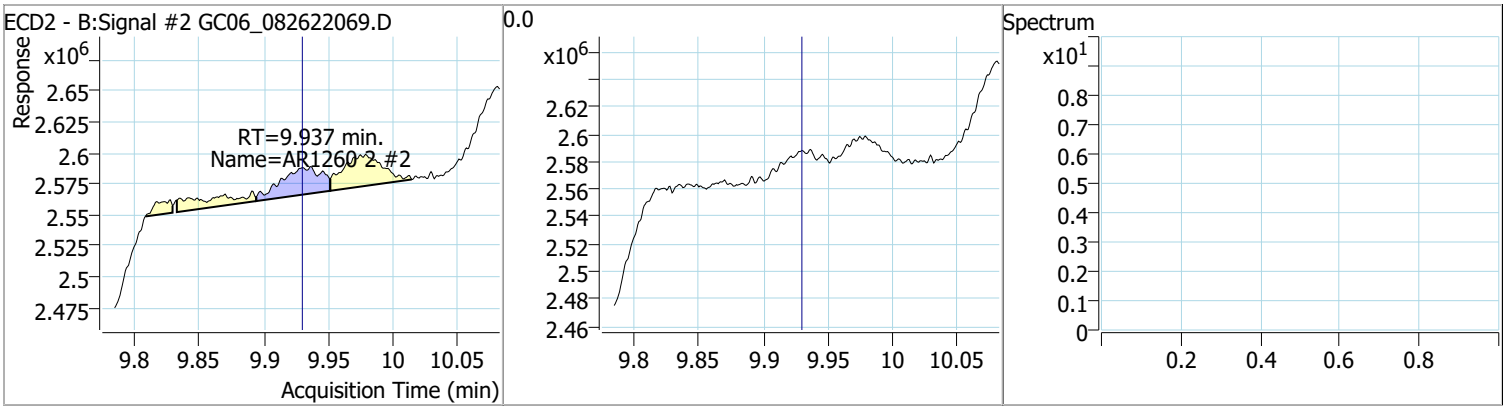
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	8.0670	9.57	0.01	172376				



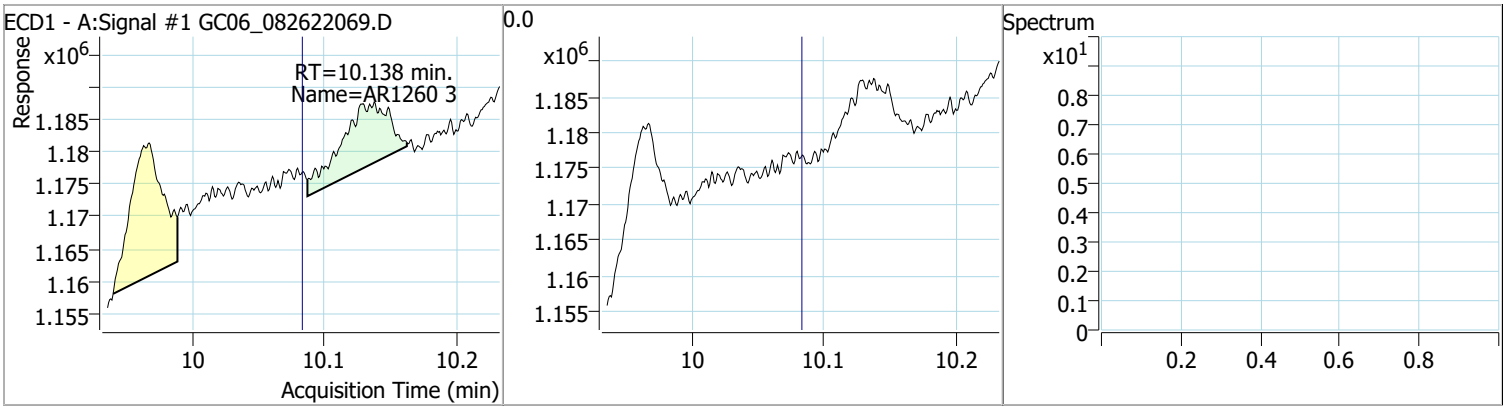
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	4.0321	9.58	-0.04	25042				



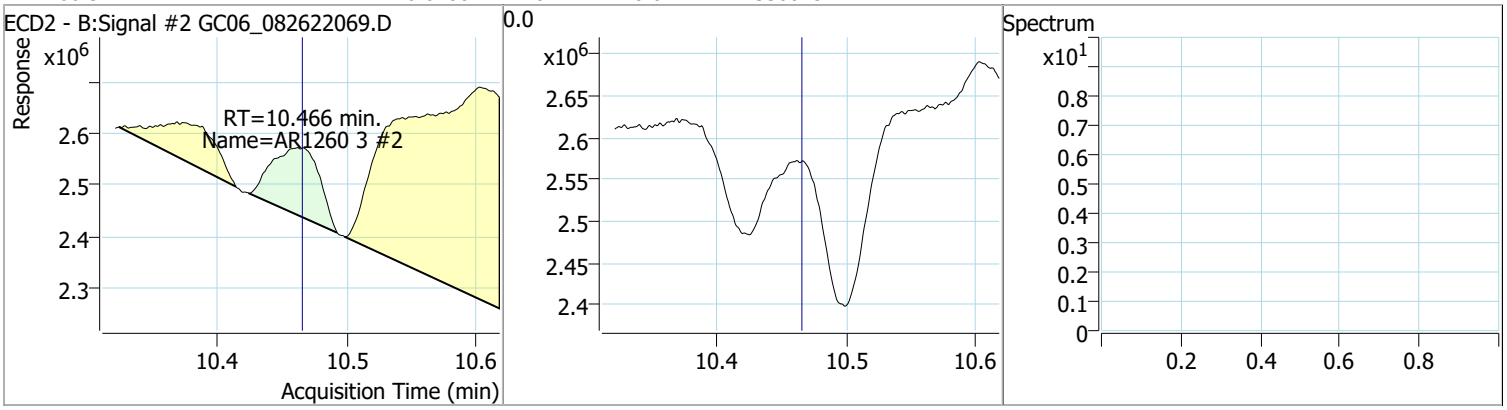
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1.9665	9.94	0.00	48552				



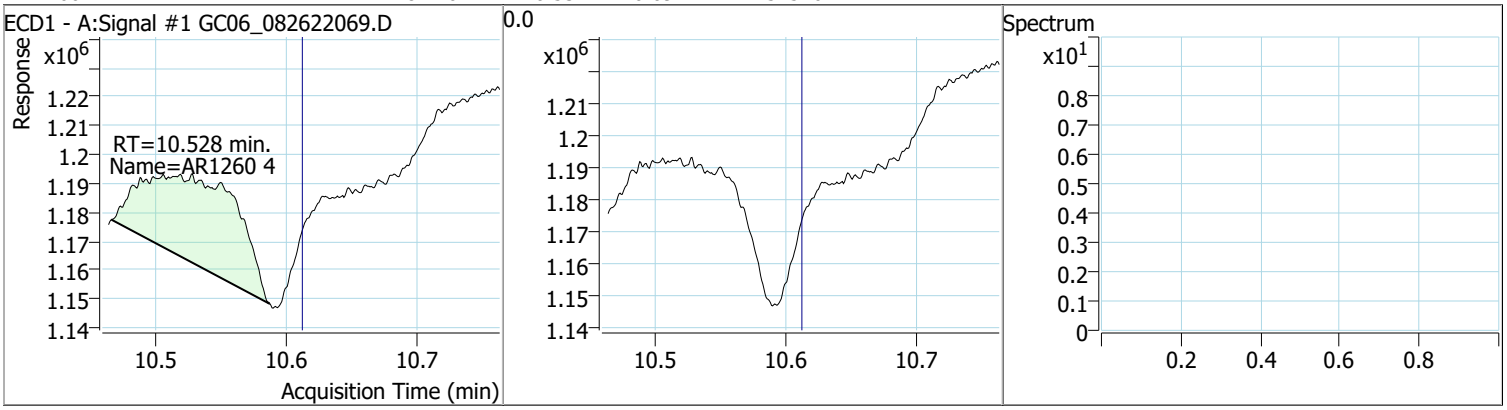
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	3.8541	10.14	0.05	24883				



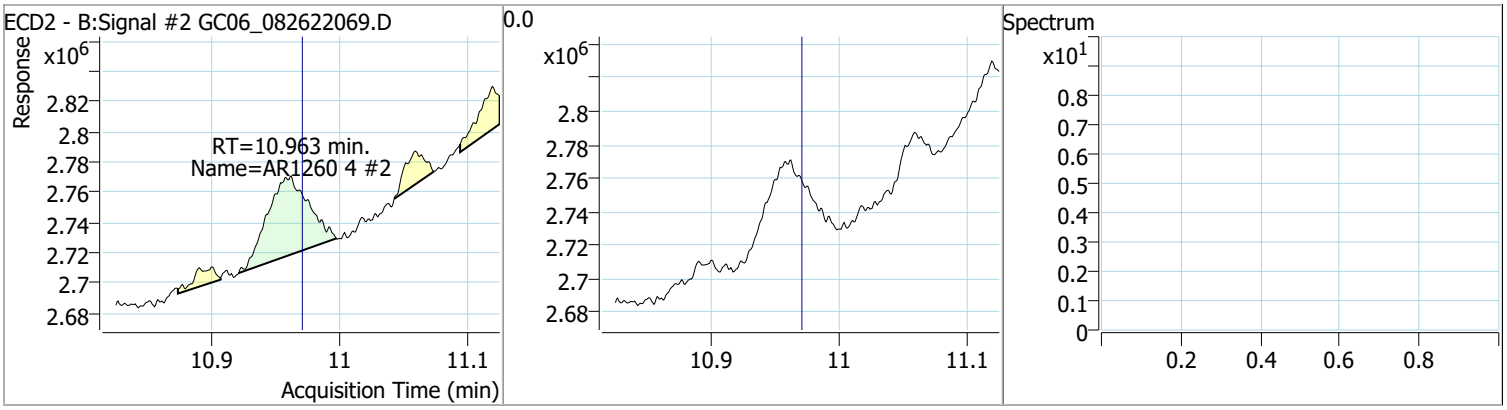
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	10.0188	10.47	-0.01	336075				



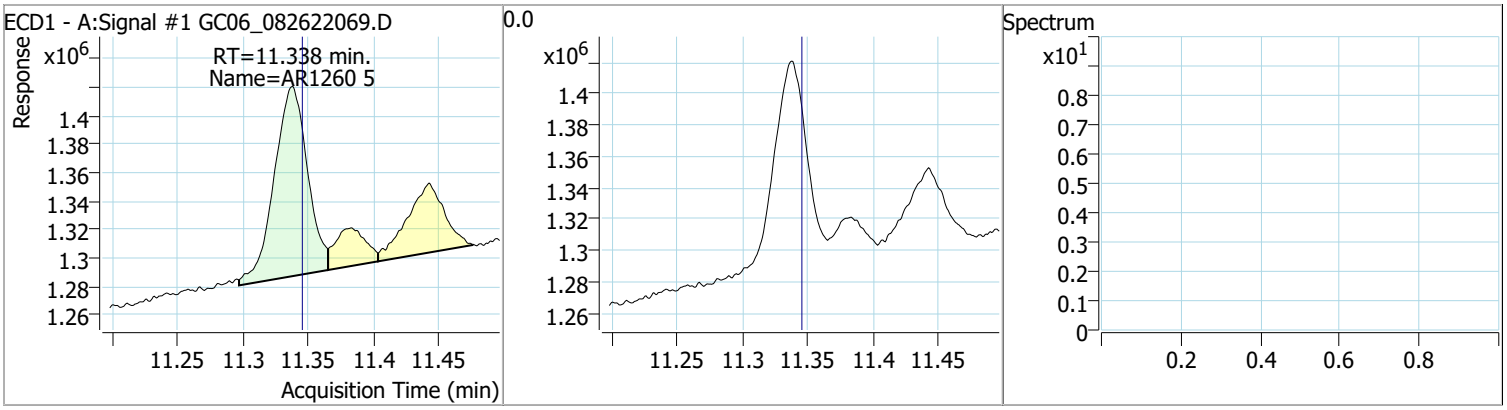
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	48.1407	10.53	-0.09	154576				



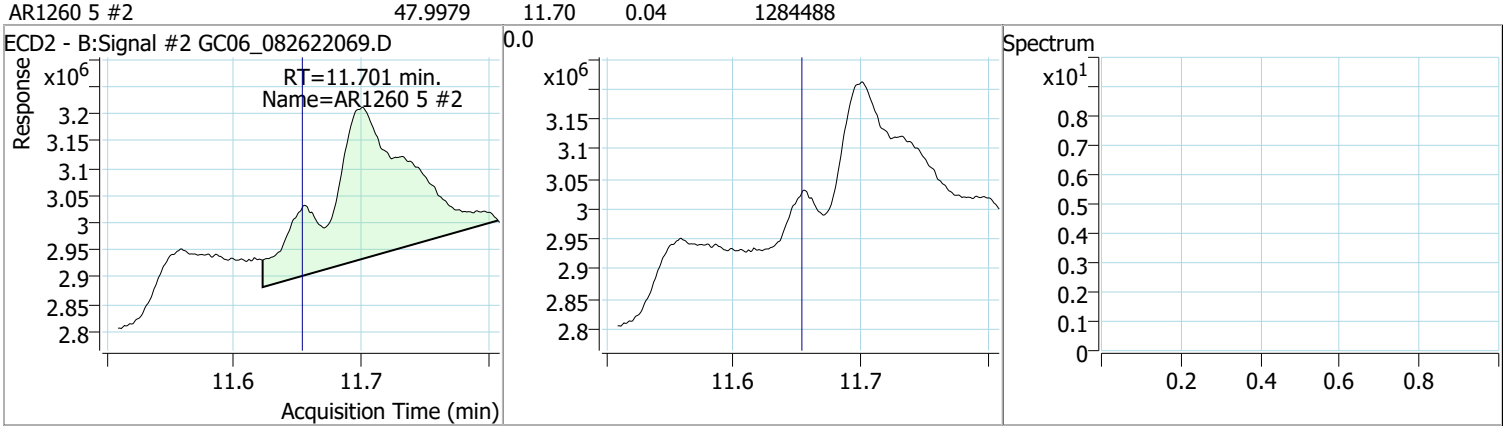
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	6.4379	10.96	-0.02	116858				



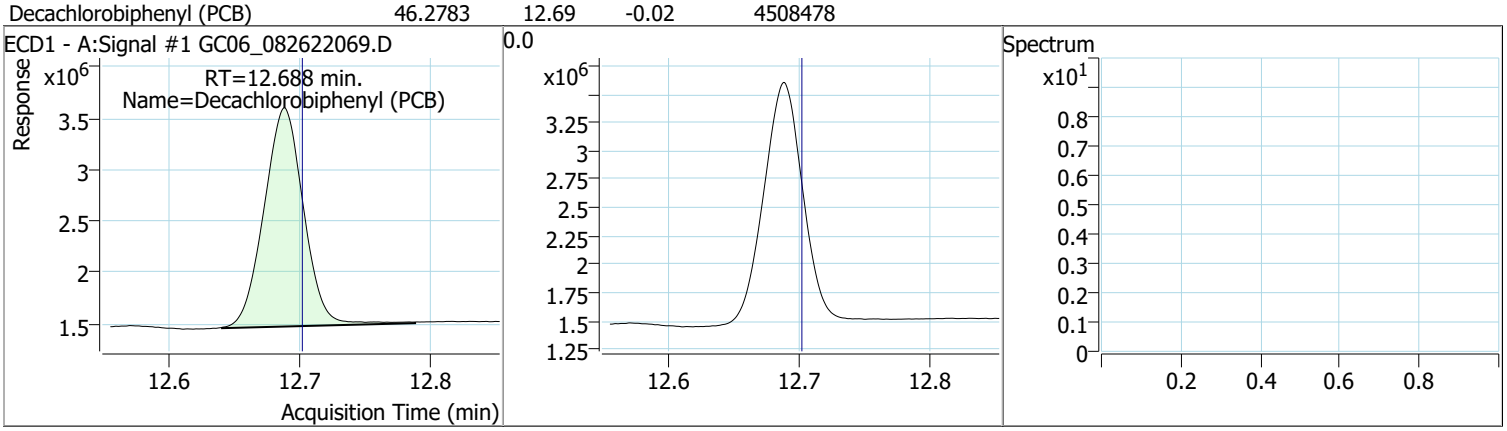
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	55.9659	11.34	-0.01	237842				



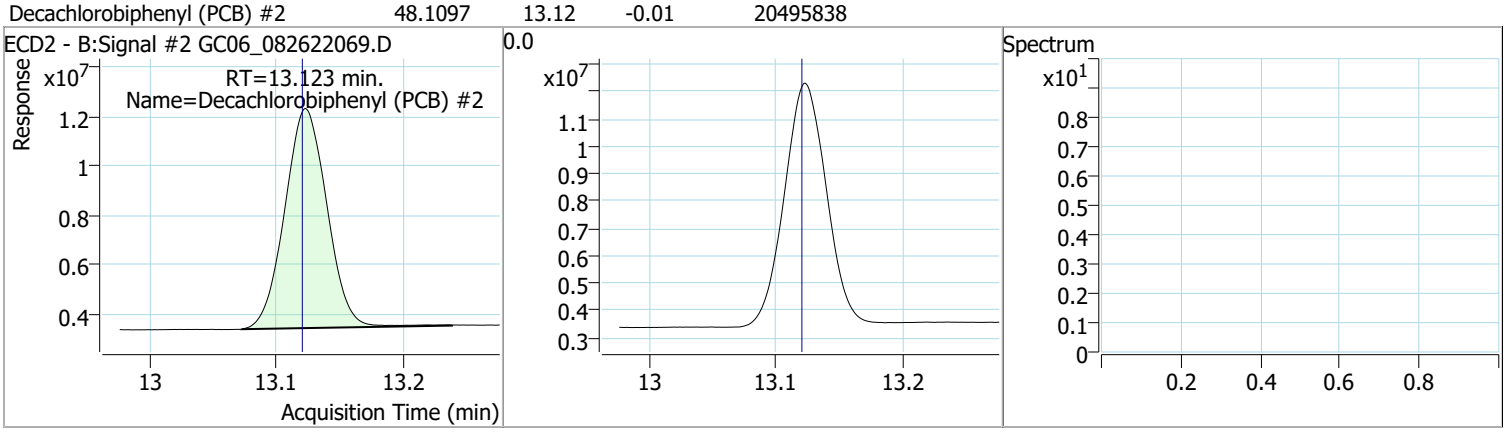
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	47.9979	11.70	0.04	1284488				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	46.2783	12.69	-0.02	4508478				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	48.1097	13.12	-0.01	20495838				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467872-036	Client ID:	DOOR-N-0.3GE-PS-17-220823-P-G
Seqnum:	452343556070	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622070	Batch:	295631	Time:	27-AUG-2022 09:50
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	79.73	~~1.6~~ ~~FP~~	0.52	102%	1.0		x u
Aroclor-1016 Peak # 1	A	63.17	1.26	0.98	26%			
Aroclor-1016 Peak # 2	A	4.731	0.09	0.39	122%			
Aroclor-1016 Peak # 3	A	6.476	0.13	0.96	152%			
Aroclor-1016 Peak # 4	A	191.1	3.82	0.25	175%			
Aroclor-1016 Peak # 5	A	133.2	2.66	0.02	197%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	18.56	ND	0.16	77%	1.0		c+ u
Aroclor-1260 Peak # 1	A	17.43	0.35	0.26	28%			
Aroclor-1260 Peak # 2	A	9.517	0.19	0.06	106%			
Aroclor-1260 Peak # 3	A	2.973	0.06	0.17	98%			
Aroclor-1260 Peak # 4	A	38.69	0.77	0.29	90%			
Aroclor-1260 Peak # 5	A	24.20	0.48	0.03	174%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	49.16	1.000	0.9833	98	52-186	c+ u
Decachlorobiphenyl (PCB)	A	36.60	1.000	0.7321	73	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622054)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9640442	7997702	-17.04
1-bromo-2-nitrobenzene (PCB)	A	1993573	1447019	-27.42

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

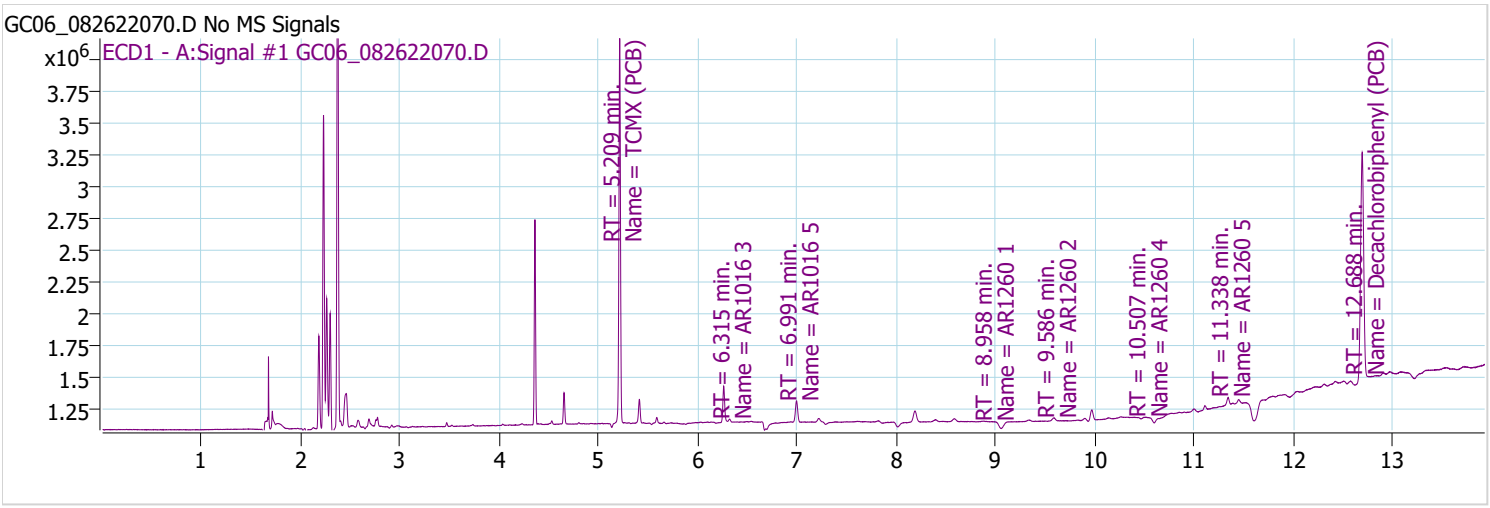
ISTD (CCV gc06_082622054)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.12	4.12	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

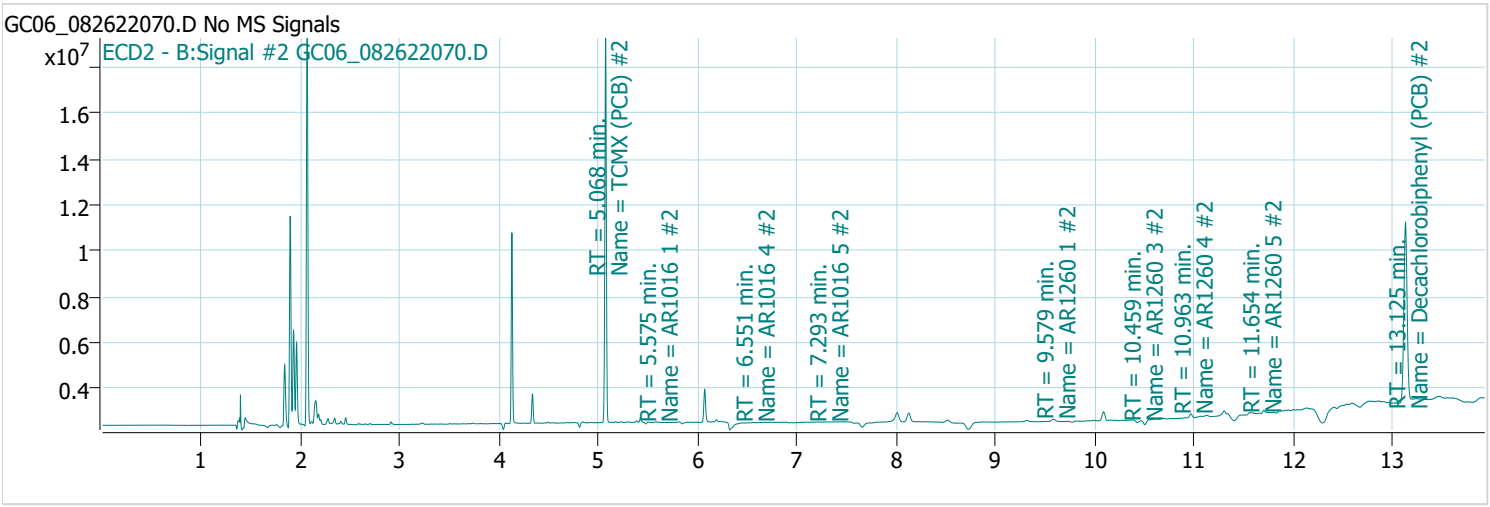
Analyst: TRN 08/29/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622070.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/27/2022 9:50:41 AM
Sample Name	467872-036, 295631, 1	Instrument	SVOA-GC06
Vial	41	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



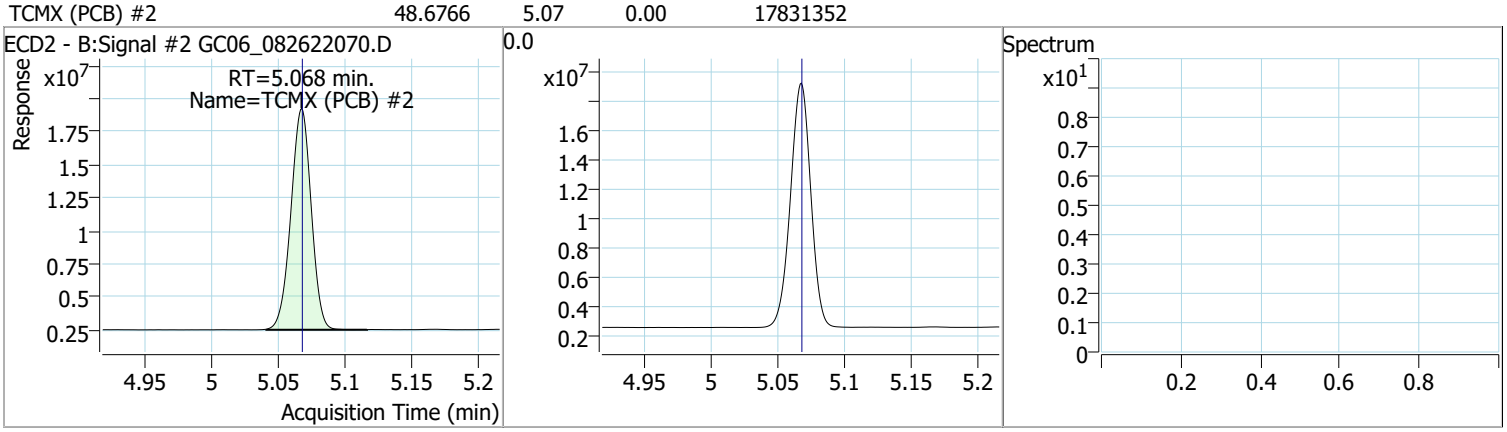


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	7997702.078	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB)	4.355	0.0	1447018.901	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB) #2	5.068	0.0	17831352.281	48.6766	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 243.38%		*	
S TCMX (PCB)	5.209	0.0	3421107.090	49.1523	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 245.76%		*	
S Decachlorobiphenyl (PCB)	12.688	0.0	4026338.678	36.5954	ng/ml		-0.018
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 182.98%		*	
S Decachlorobiphenyl (PCB) #2	13.125	0.0	18042774.874	37.3867	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 186.93%		*	
Target Compounds							QValue

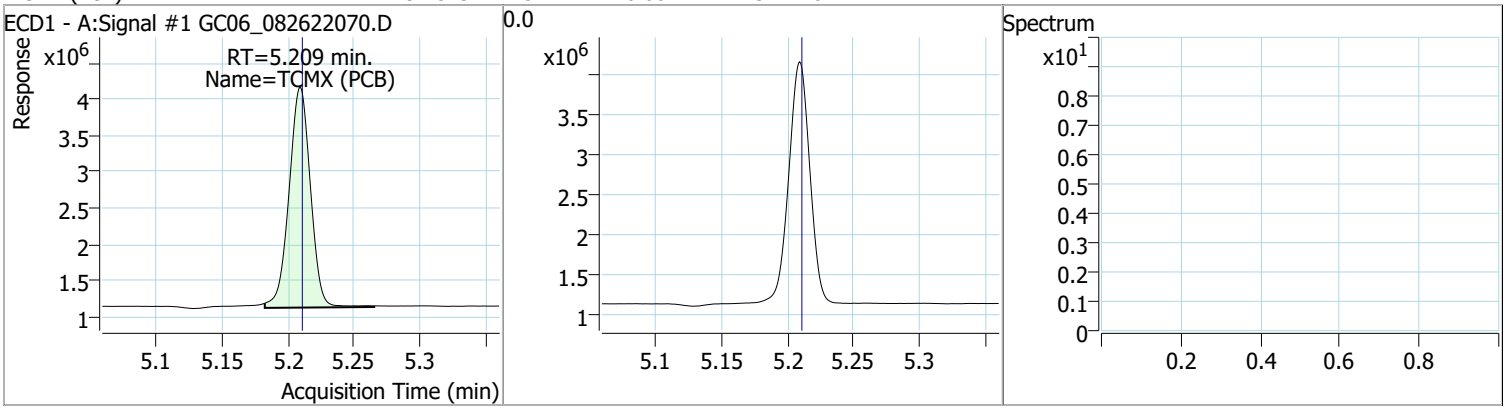
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.575	0.0	365111.197	48.7491	ng/ml	100
T AR1016 1	5.583	0.0	89385.632	63.1505	ng/ml	100
T AR1016 2 #2	5.923	0.0	304047.853	19.5620	ng/ml	100
T AR1016 2	5.908	0.0	14576.841	4.7298	ng/ml	100
T AR1016 3 #2	6.511	0.0	981779.844	47.8967	ng/ml	100
T AR1016 3	6.315	0.0	23481.917	6.4740	ng/ml	100
T AR1016 4	6.535	0.0	518571.040	191.0497	ng/ml	100
T AR1016 4 #2	6.551	0.0	173849.889	12.5014	ng/ml	100
T AR1016 5	6.991	0.0	279593.578	133.1618	ng/ml	100
T AR1016 5 #2	7.293	0.0	9728.718	0.8948	ng/ml	100
T AR1260 1	8.958	0.0	79338.867	17.4225	ng/ml	100
T AR1260 1 #2	9.579	0.0	316804.332	13.0880	ng/ml	100
T AR1260 2	9.586	0.0	66735.070	9.5146	ng/ml	100
T AR1260 2 #2	9.980	0.0	81879.453	2.9275	ng/ml	100
T AR1260 3	10.137	0.0	21675.478	2.9727	ng/ml	100
T AR1260 3 #2	10.459	0.0	330895.907	8.7080	ng/ml	100
T AR1260 4	10.507	0.0	140266.105	38.6804	ng/ml	100
T AR1260 4 #2	10.963	0.0	301290.442	14.6528	ng/ml	100
T AR1260 5	11.338	0.0	116099.578	24.1900	ng/ml	100
T AR1260 5 #2	11.654	0.0	51456.564	1.6974	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

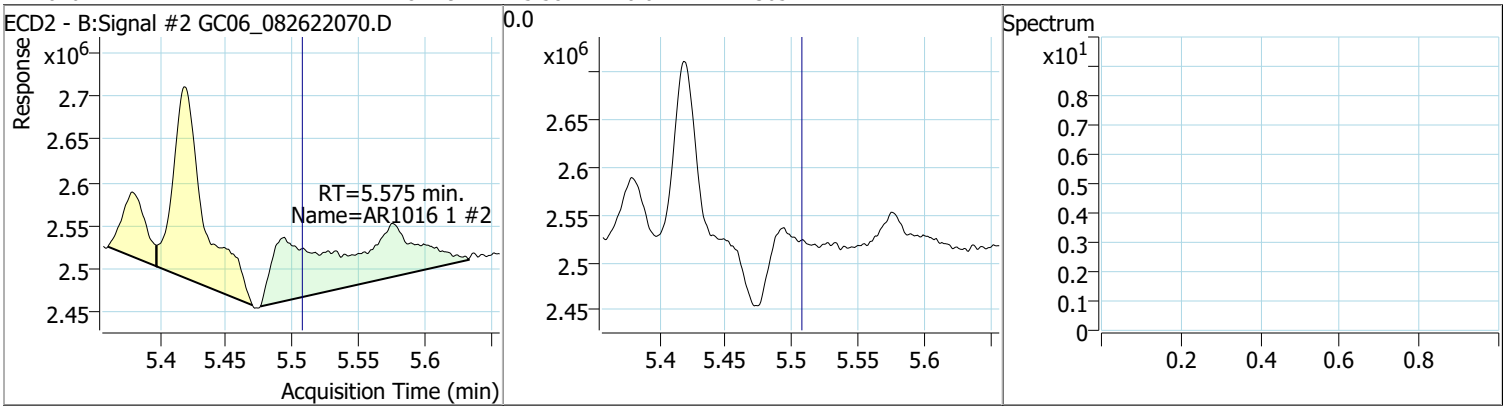
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	48.6766	5.07	0.00	17831352				



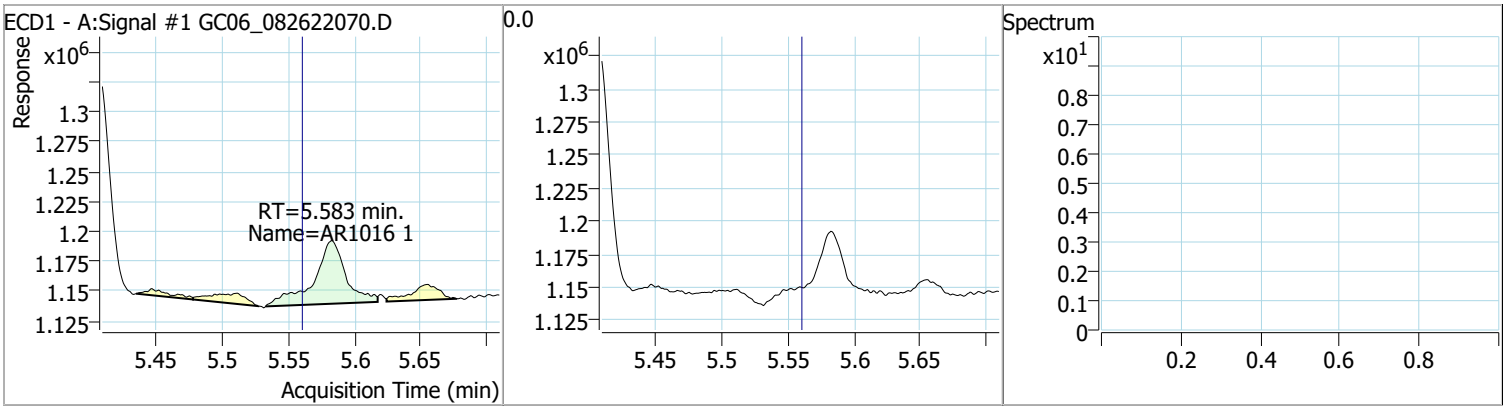
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	49.1523	5.21	0.00	3421107				



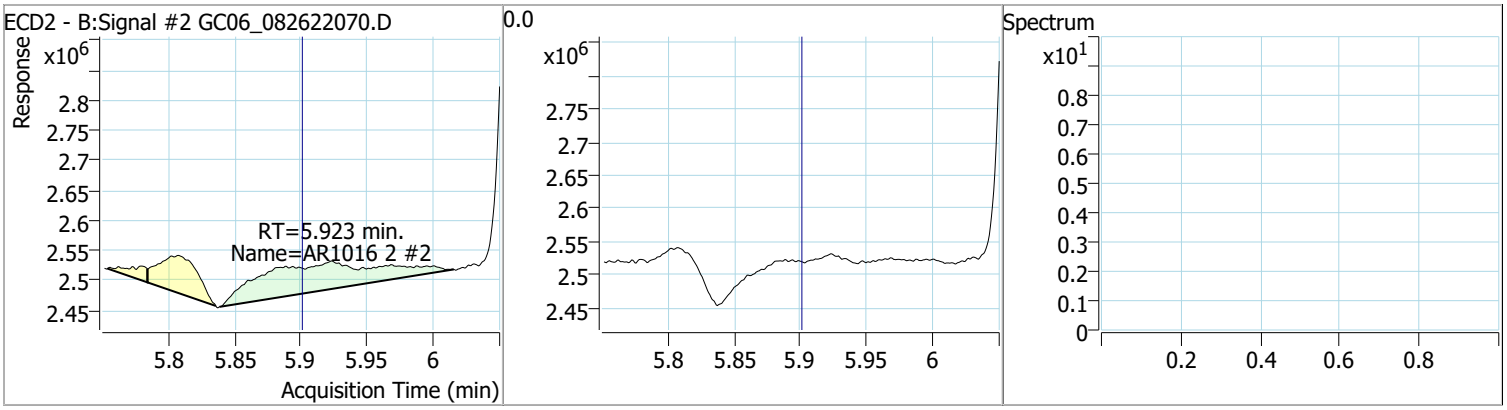
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	48.7491	5.58	0.07	365111				



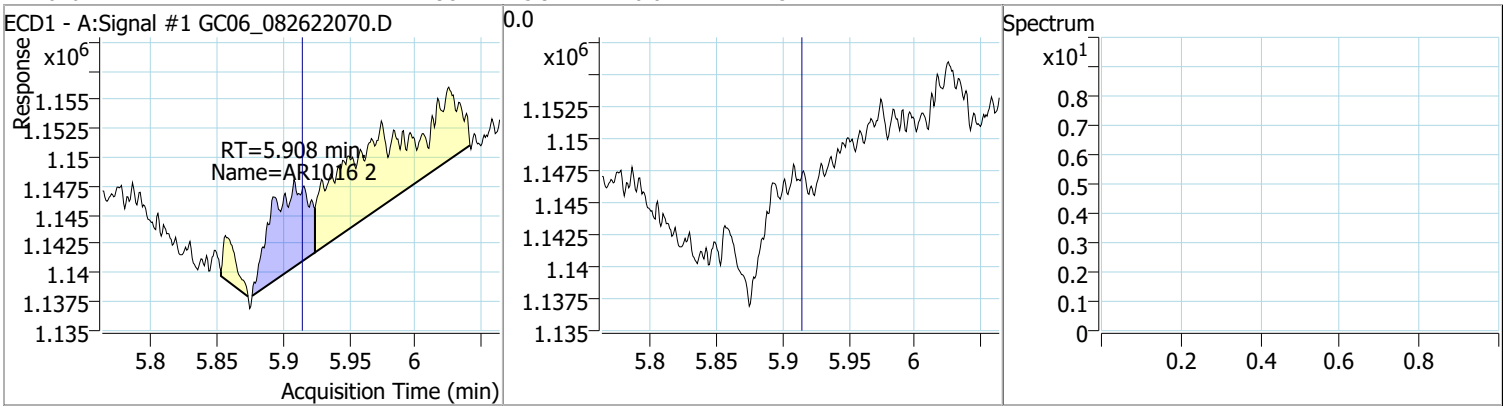
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	63.1505	5.58	0.02	89386				



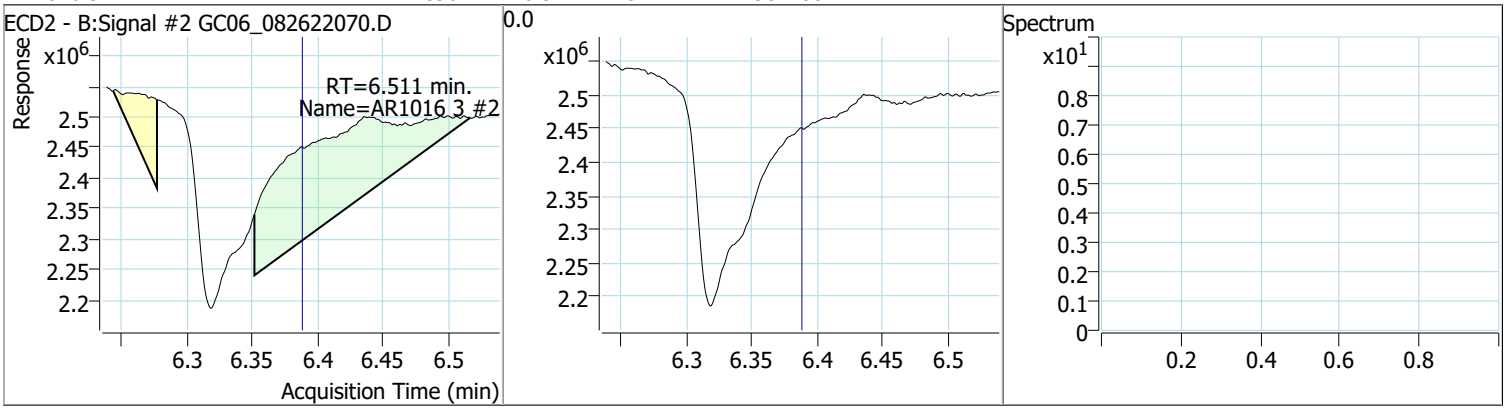
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	19.5620	5.92	0.02	304048				



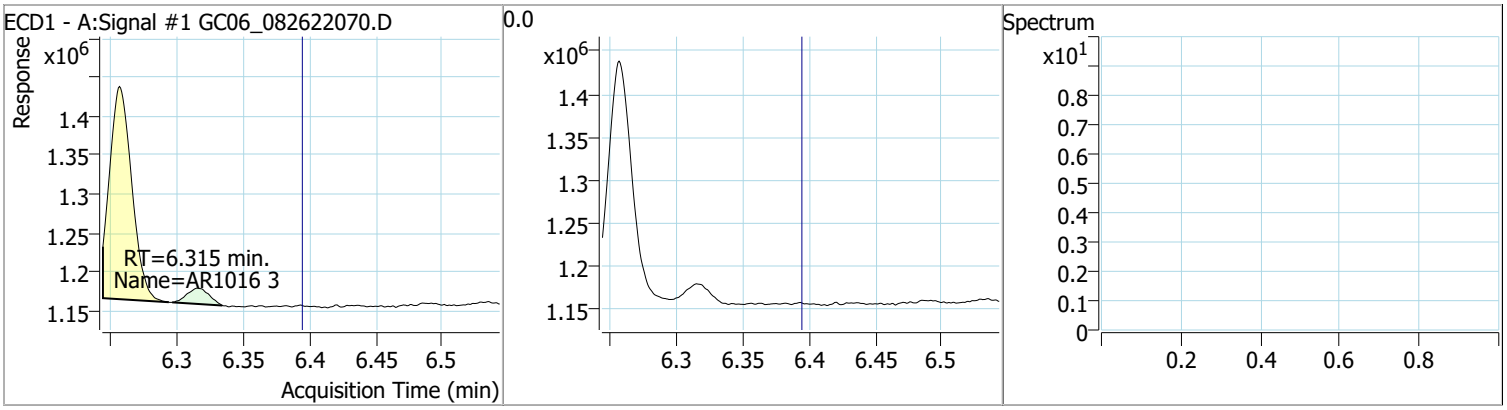
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	4.7298	5.91	-0.01	14577				



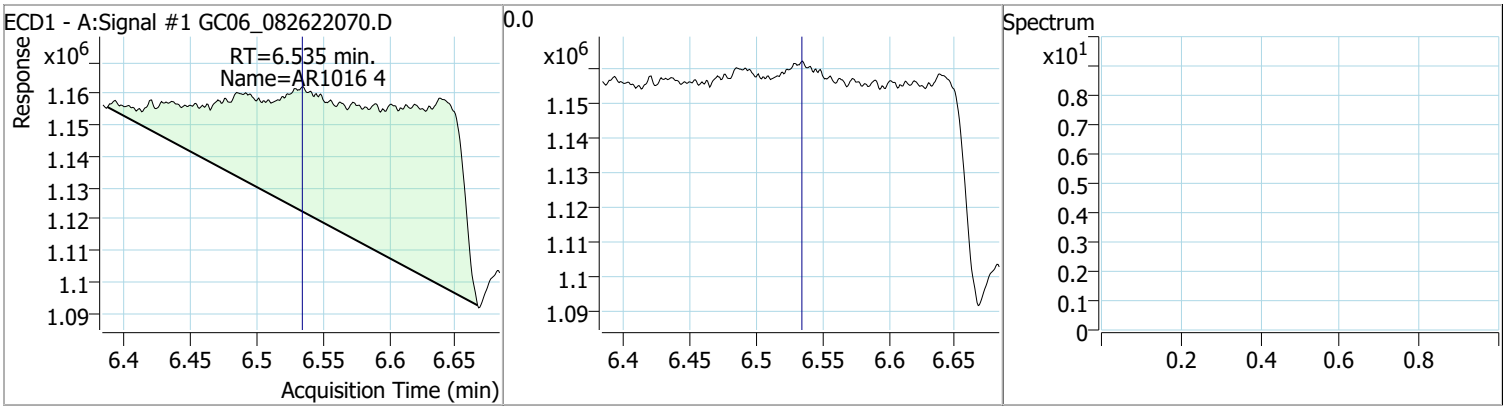
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	47.8967	6.51	0.12	981780				



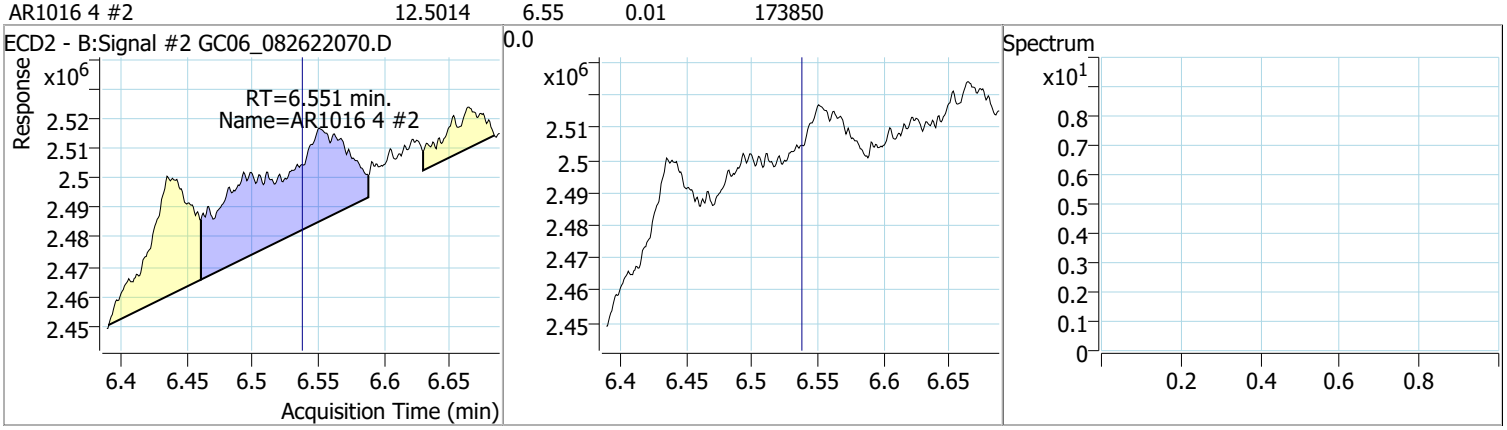
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	6.4740	6.32	-0.08	23482				



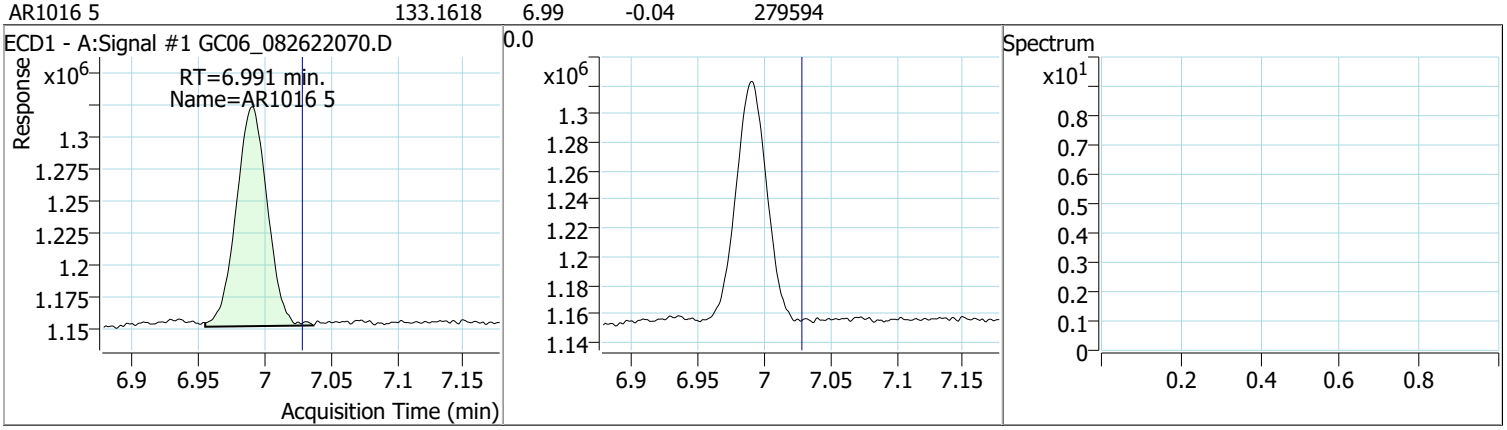
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	191.0497	6.54	0.00	518571				



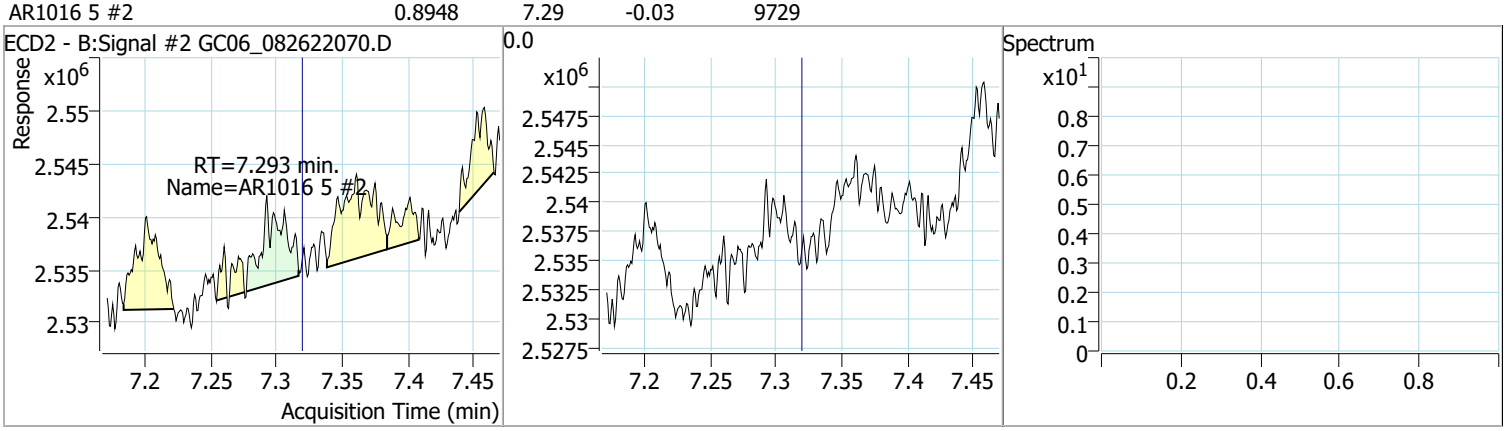
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	12.5014	6.55	0.01	173850				



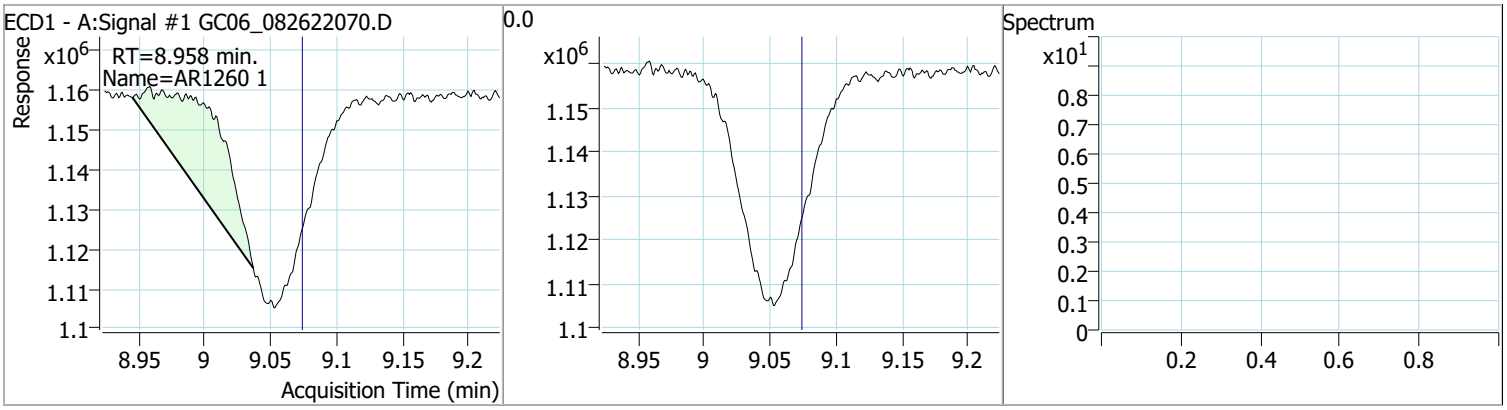
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	133.1618	6.99	-0.04	279594				



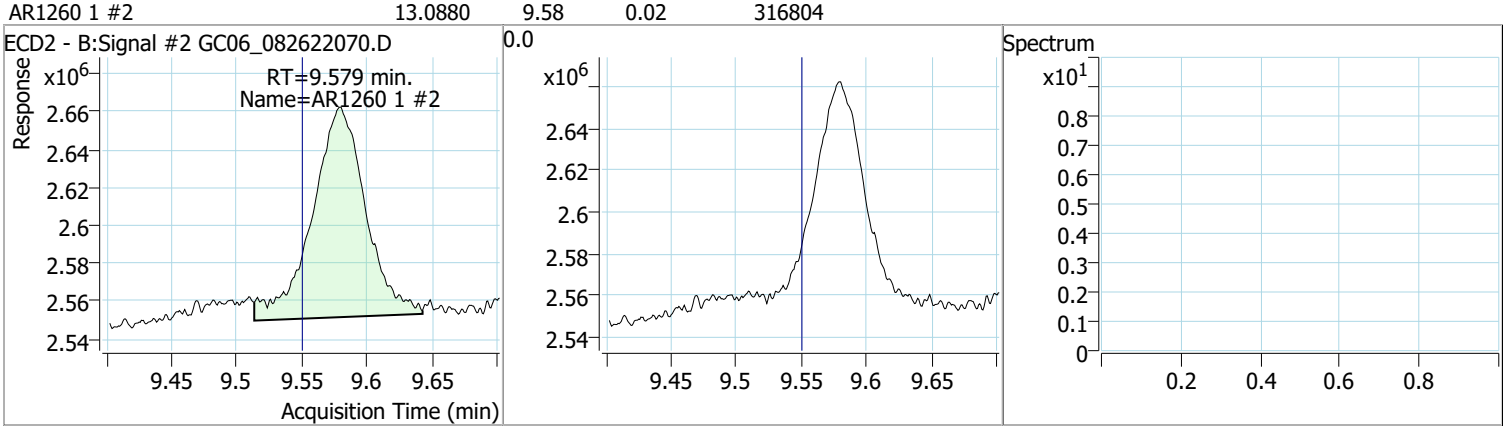
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.8948	7.29	-0.03	9729				



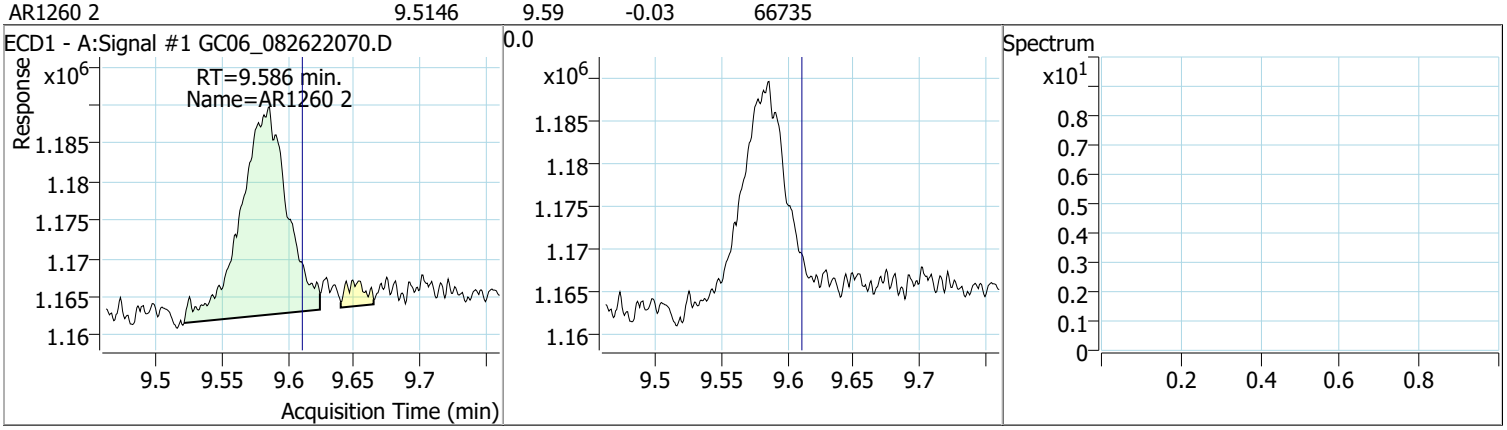
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	17.4225	8.96	-0.12	79339				



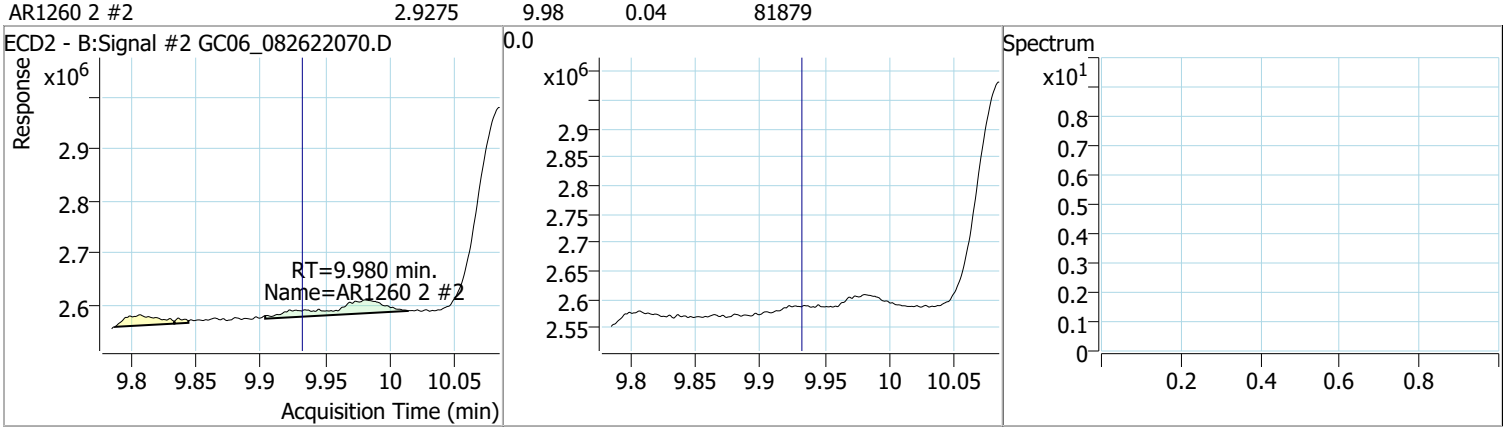
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	13.0880	9.58	0.02	316804				



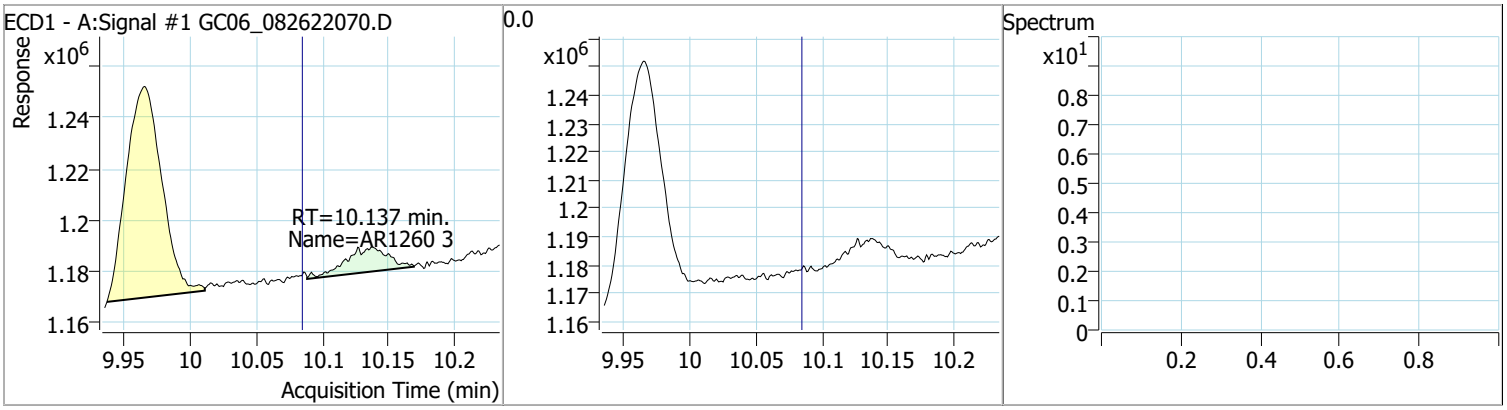
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	9.5146	9.59	-0.03	66735				



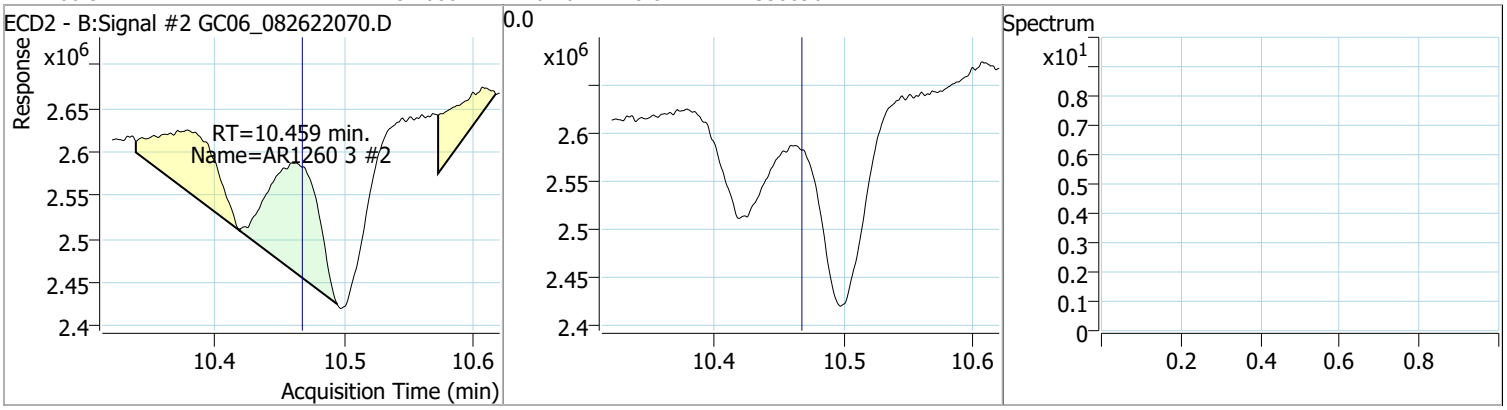
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	2.9275	9.98	0.04	81879				



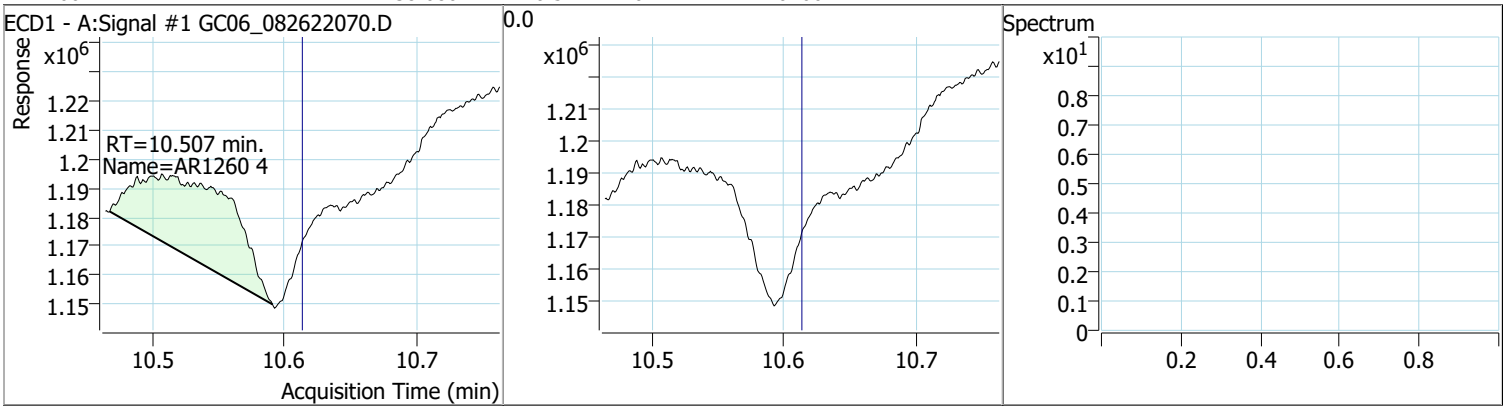
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	2.9727	10.14	0.05	21675				



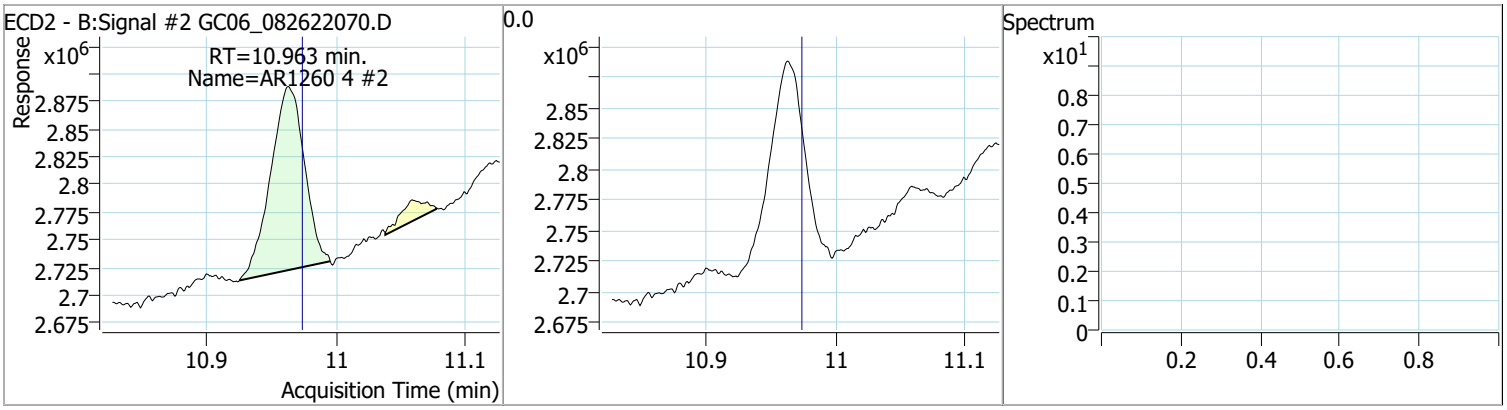
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	8.7080	10.46	-0.01	330896				



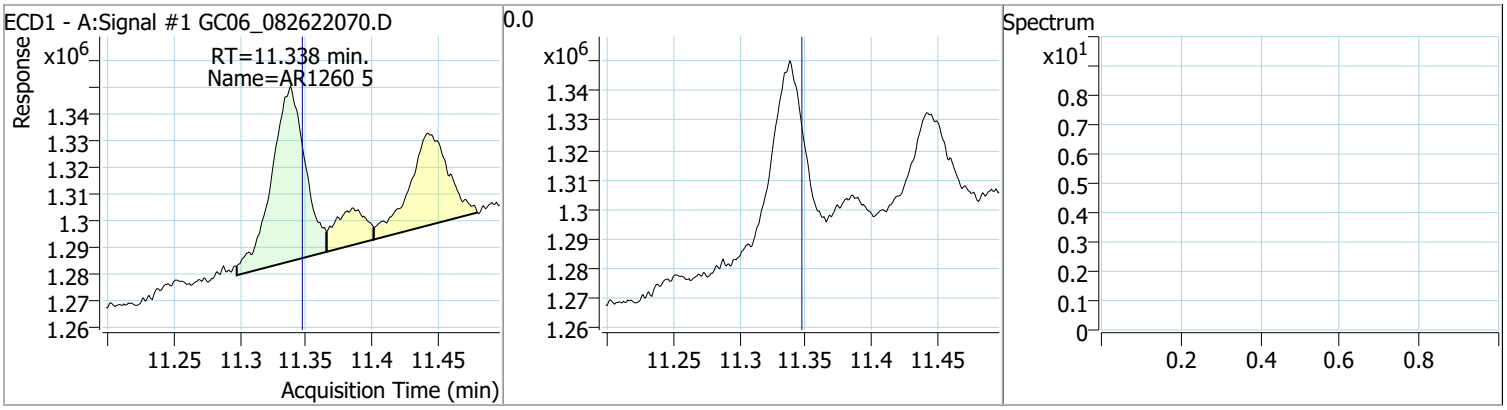
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	38.6804	10.51	-0.11	140266				



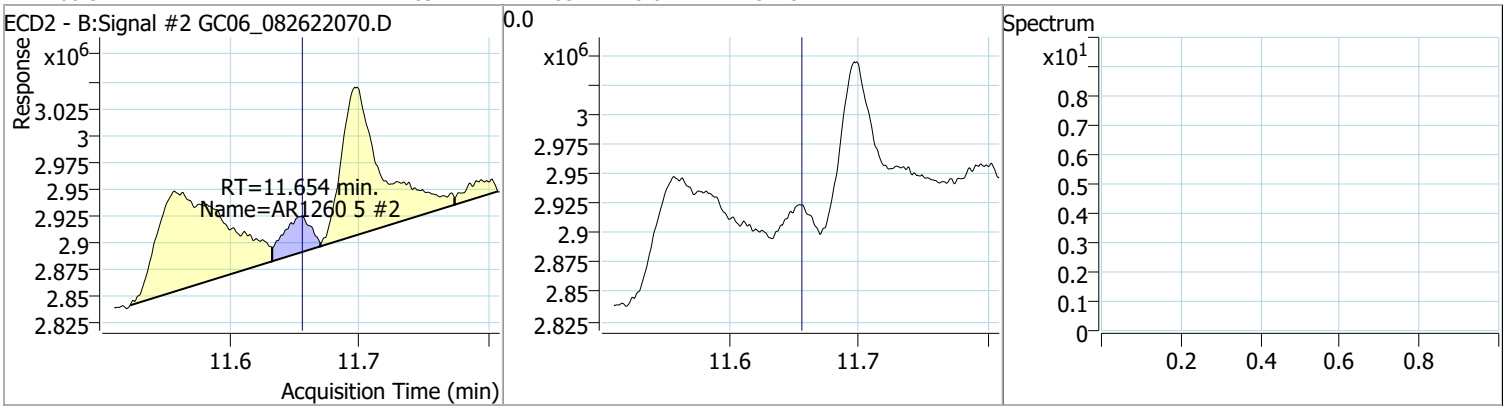
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	14.6528	10.96	-0.02	301290				



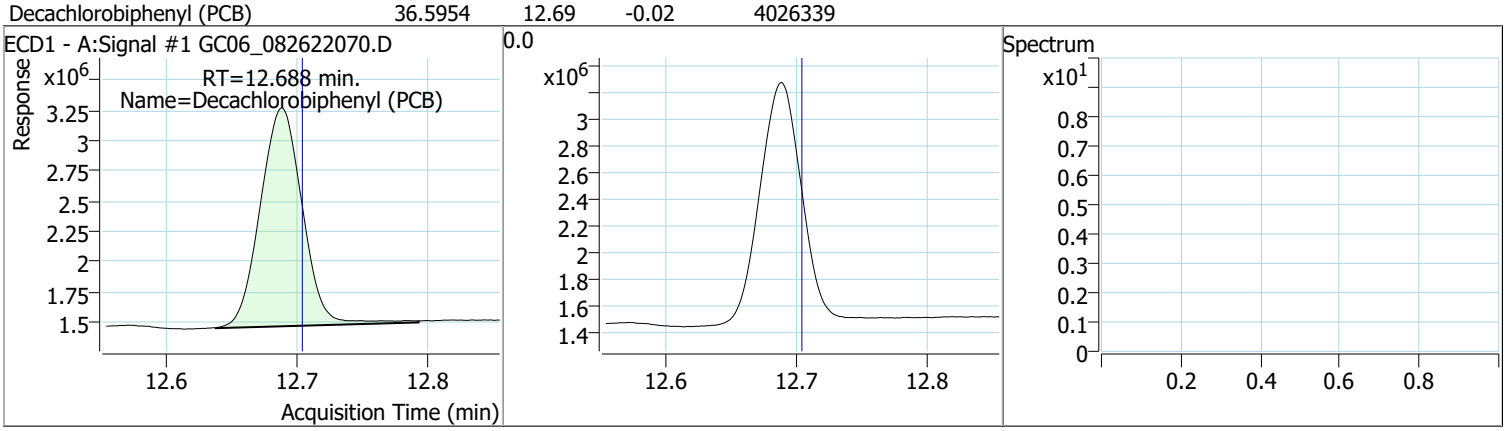
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	24.1900	11.34	-0.01	116100				



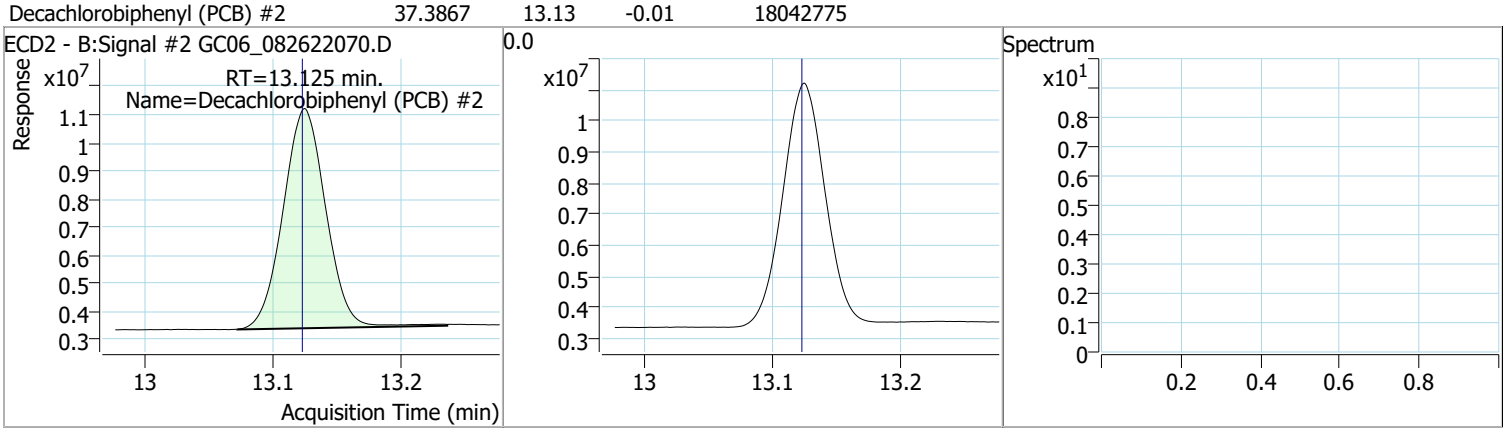
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1.6974	11.65	-0.01	51457				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	36.5954	12.69	-0.02	4026339				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	37.3867	13.13	-0.01	18042775				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467872-037	Client ID:	DOOR-N-0.3GE-PS-17-220823-P-DUP-G
Seqnum:	452343556071	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622071	Batch:	295631	Time:	27-AUG-2022 10:08
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	82.81	~~1.7~~ ~~FP~~	0.33	134%	1.0		x u
Aroclor-1016 Peak # 1	A	66.45	1.33	0.93	35%			
Aroclor-1016 Peak # 2	A	1.048	0.02	0.36	178%			
Aroclor-1016 Peak # 3	A	6.554	0.13	0.01	161%			
Aroclor-1016 Peak # 4	A	185.8	3.72	0.29	171%			
Aroclor-1016 Peak # 5	A	154.3	3.09	0.02	197%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	25.74	ND	0.27	61%	1.0		c+ u
Aroclor-1260 Peak # 1	A	44.02	0.88	0.02	189%			
Aroclor-1260 Peak # 2	A	10.91	0.22	0.09	82%			
Aroclor-1260 Peak # 3	A	3.812	0.08	0.20	89%			
Aroclor-1260 Peak # 4	A	44.45	0.89	0.33	92%			
Aroclor-1260 Peak # 5	A	25.52	0.51	0.72	34%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	47.44	1.000	0.9487	95	52-186	c+ u
Decachlorobiphenyl (PCB)	A	44.77	1.000	0.8954	90	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622054)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9640442	6656540	-30.95
1-bromo-2-nitrobenzene (PCB)	A	1993573	1227626	-38.42

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

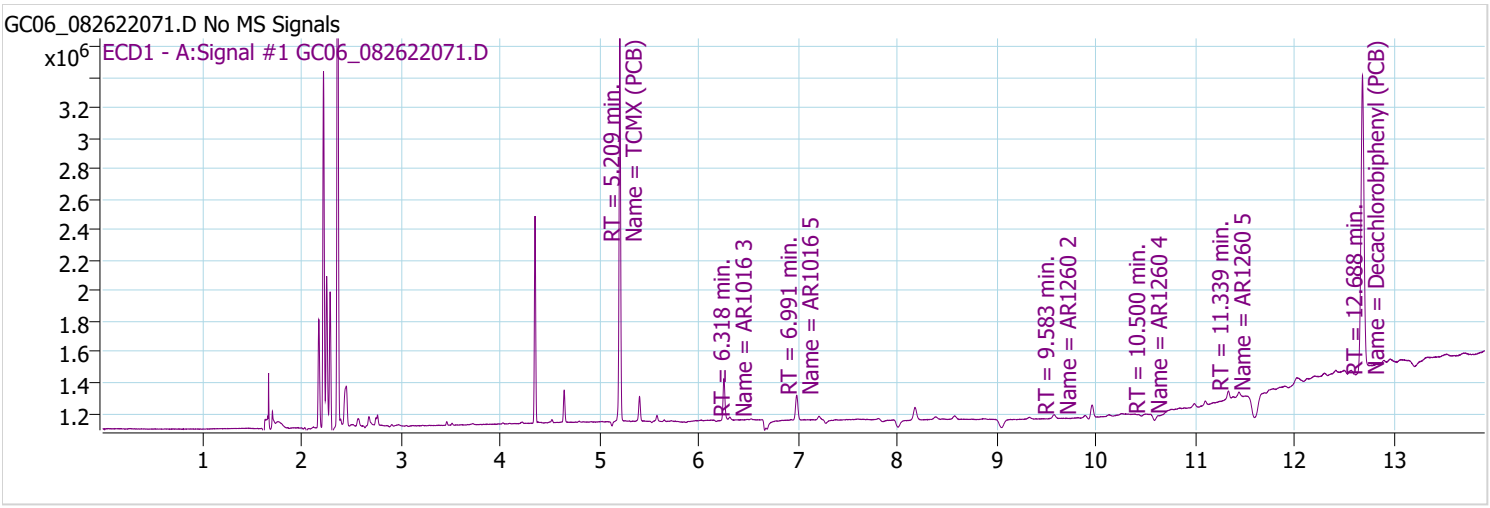
ISTD (CCV gc06_082622054)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.12	4.12	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

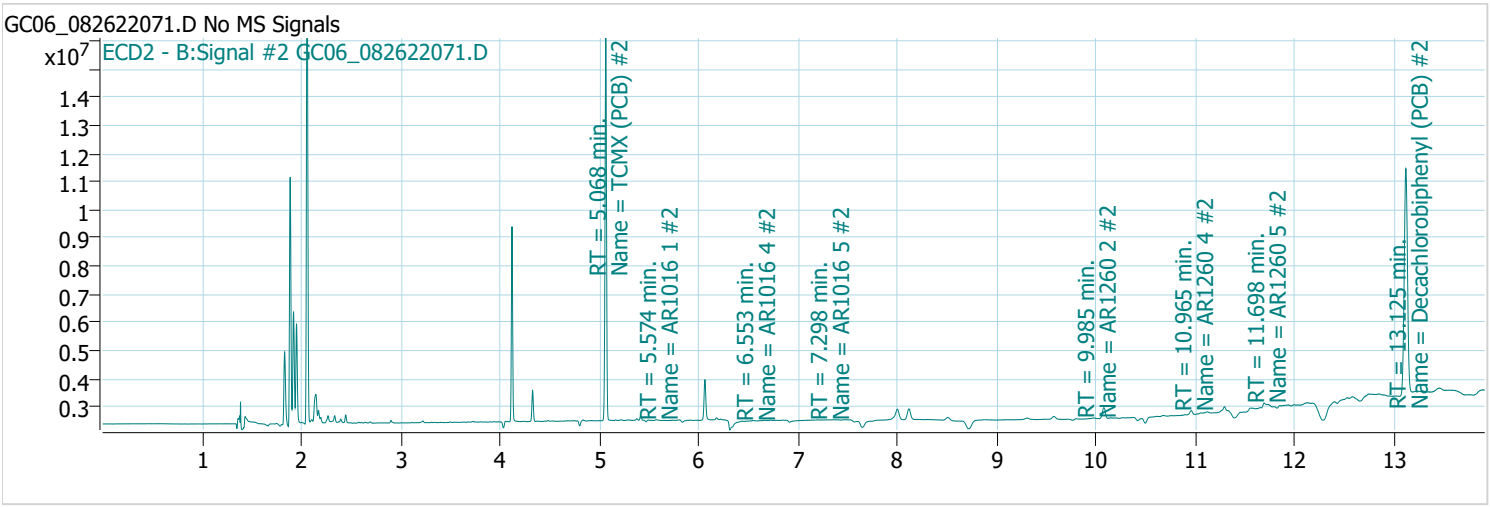
Analyst: TRN 08/29/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622071.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/27/2022 10:08:05 AM
Sample Name	467872-037, 295631, 1	Instrument	SVOA-GC06
Vial	42	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



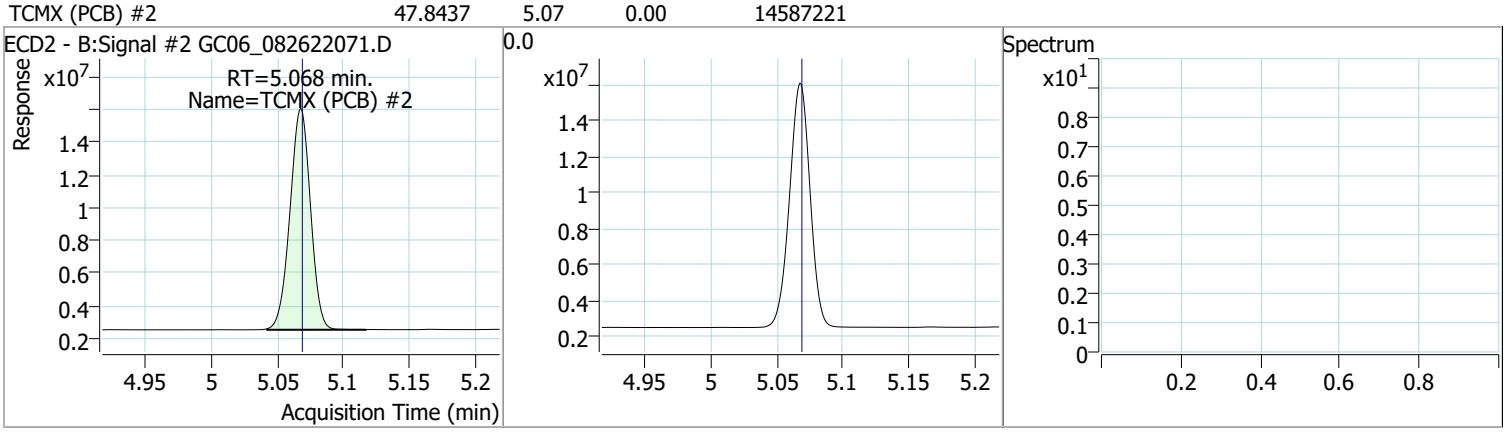


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	6656540.260	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB)	4.355	0.0	1227625.825	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB) #2	5.068	0.0	14587220.621	47.8437	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 239.22%		*	
S TCMX (PCB)	5.209	0.0	2800364.798	47.4242	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 237.12%		*	
S Decachlorobiphenyl (PCB)	12.688	0.0	4178006.617	44.7604	ng/ml		-0.018
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 223.80%		*	
S Decachlorobiphenyl (PCB) #2	13.125	0.0	18774222.487	46.7405	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 233.70%		*	
Target Compounds							QValue

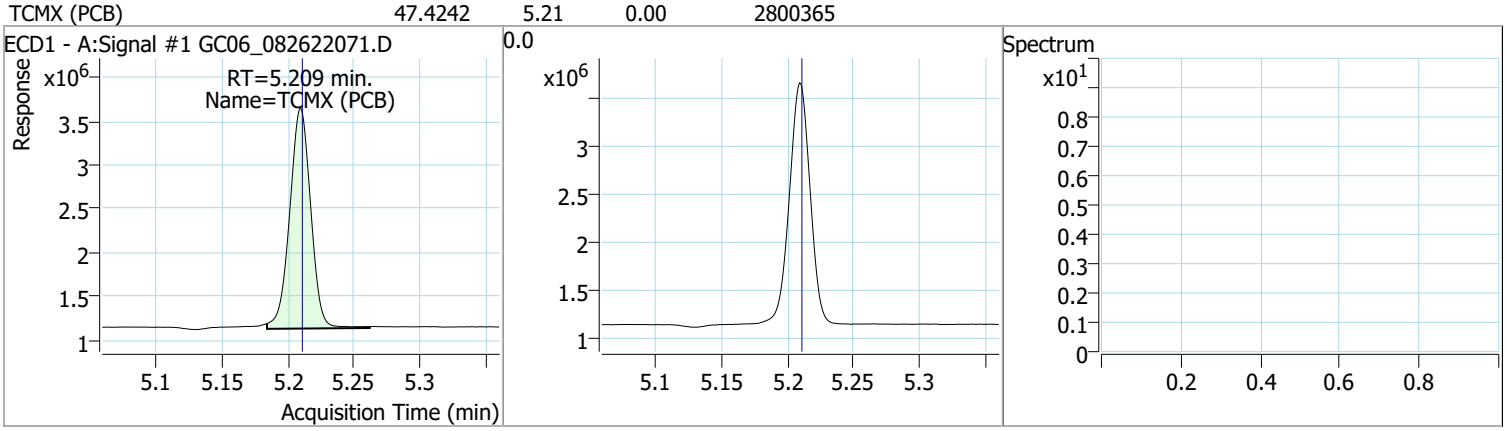
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.574	0.0	291211.366	46.7161	ng/ml	100
T AR1016 1	5.583	0.0	79773.213	66.4315	ng/ml	100
T AR1016 2 #2	5.925	0.0	235742.068	18.2232	ng/ml	100
T AR1016 2	5.848	0.0	2738.241	1.0473	ng/ml	100
T AR1016 3 #2	6.533	0.0	12209.632	0.7157	ng/ml	100
T AR1016 3	6.318	0.0	20164.156	6.5528	ng/ml	100
T AR1016 4	6.532	0.0	427639.527	185.7052	ng/ml	100
T AR1016 4 #2	6.553	0.0	167803.560	14.4978	ng/ml	100
T AR1016 5	6.991	0.0	274715.014	154.2209	ng/ml	100
T AR1016 5 #2	7.298	0.0	11238.064	1.2419	ng/ml	100
T AR1260 1	9.141	0.0	170012.670	44.0062	ng/ml	100
T AR1260 1 #2	9.522	0.0	24894.950	1.2357	ng/ml	100
T AR1260 2	9.583	0.0	64885.210	10.9041	ng/ml	100
T AR1260 2 #2	9.985	0.0	106530.927	4.5763	ng/ml	100
T AR1260 3	10.132	0.0	23575.449	3.8111	ng/ml	100
T AR1260 3 #2	10.463	0.0	314727.754	9.9512	ng/ml	100
T AR1260 4	10.500	0.0	136728.384	44.4432	ng/ml	100
T AR1260 4 #2	10.965	0.0	279975.998	16.3596	ng/ml	100
T AR1260 5	11.339	0.0	103879.959	25.5120	ng/ml	100
T AR1260 5 #2	11.698	0.0	911892.980	36.1409	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

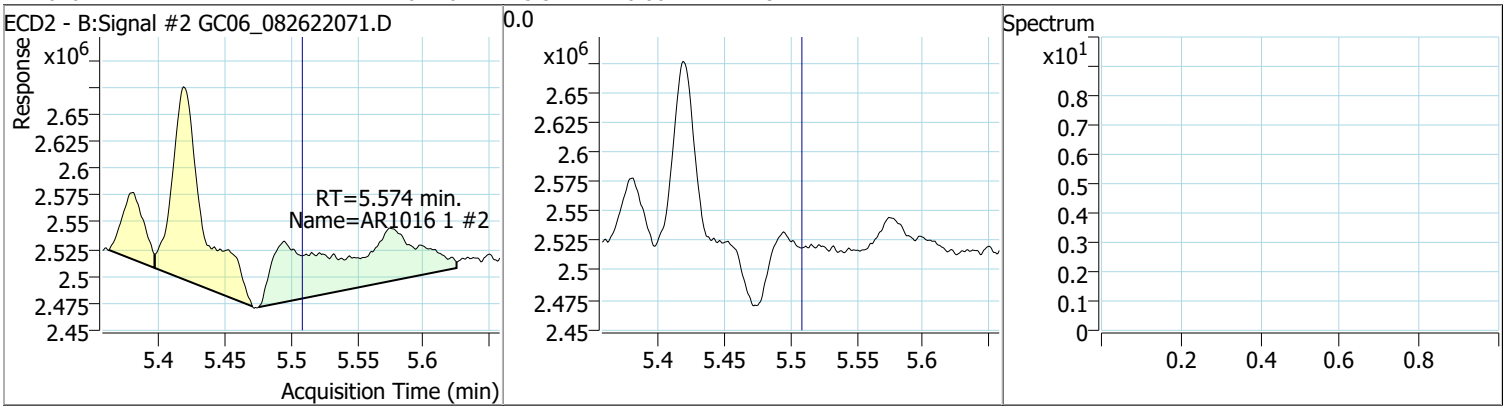
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	47.8437	5.07	0.00	14587221				



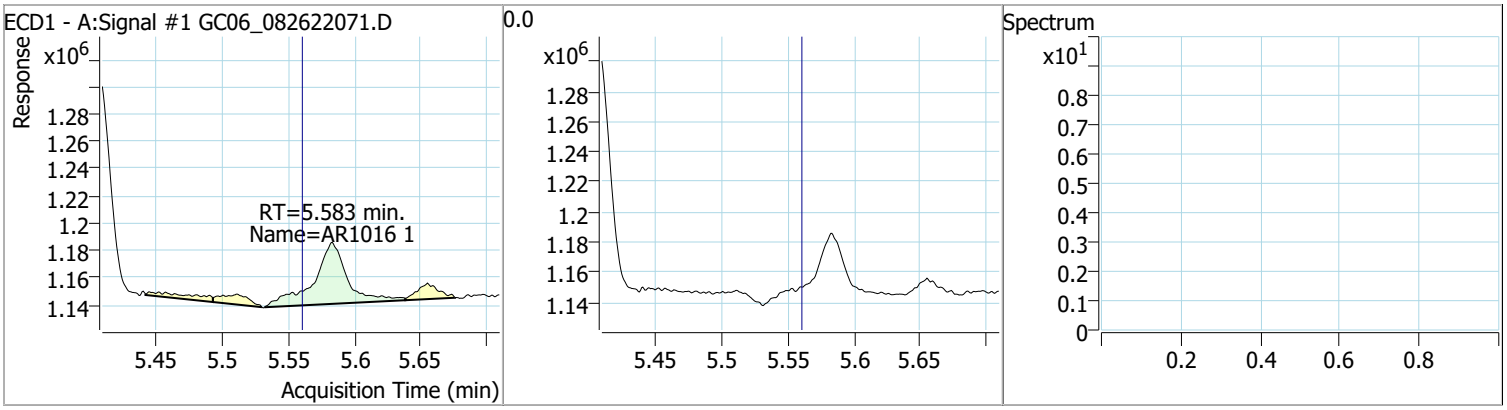
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	47.4242	5.21	0.00	2800365				



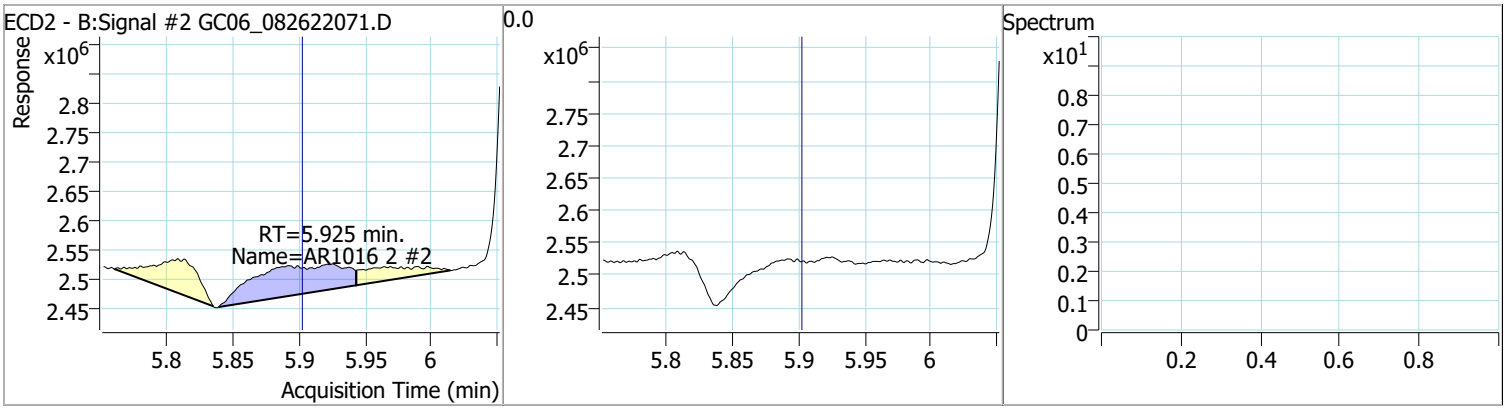
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	46.7161	5.57	0.06	291211				



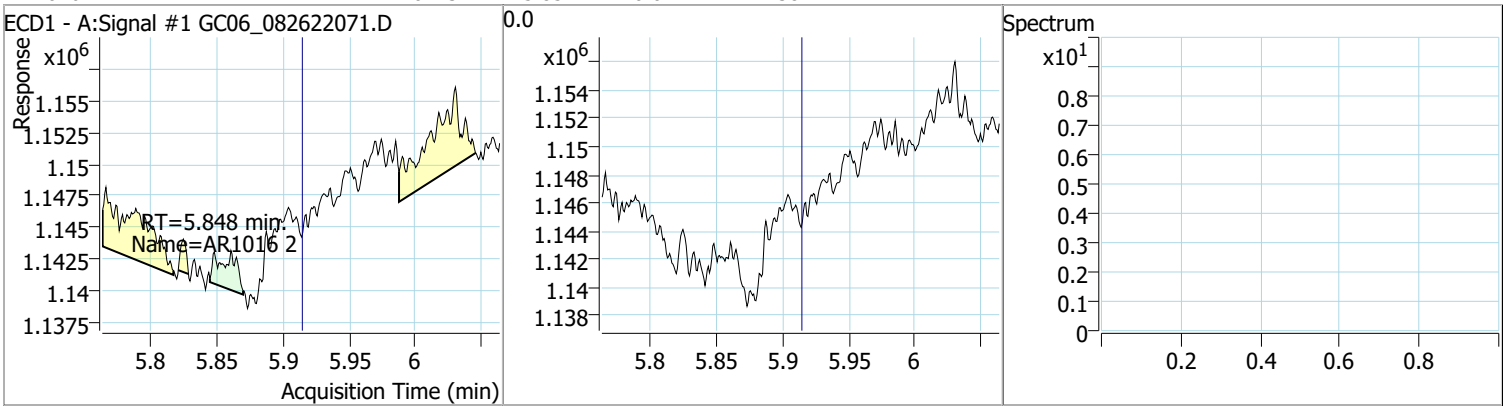
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	66.4315	5.58	0.02	79773				



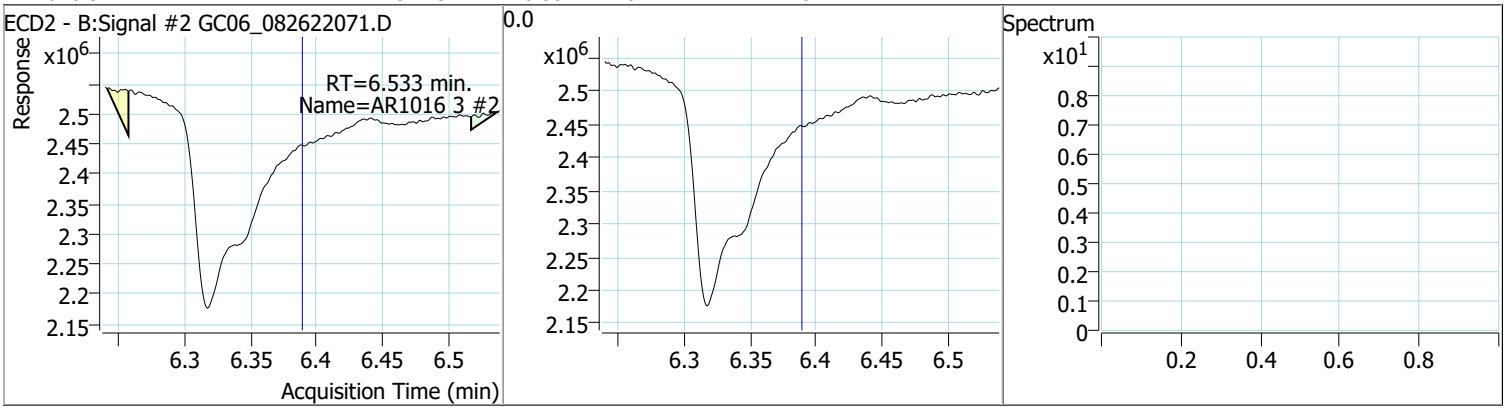
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	18.2232	5.93	0.02	235742				



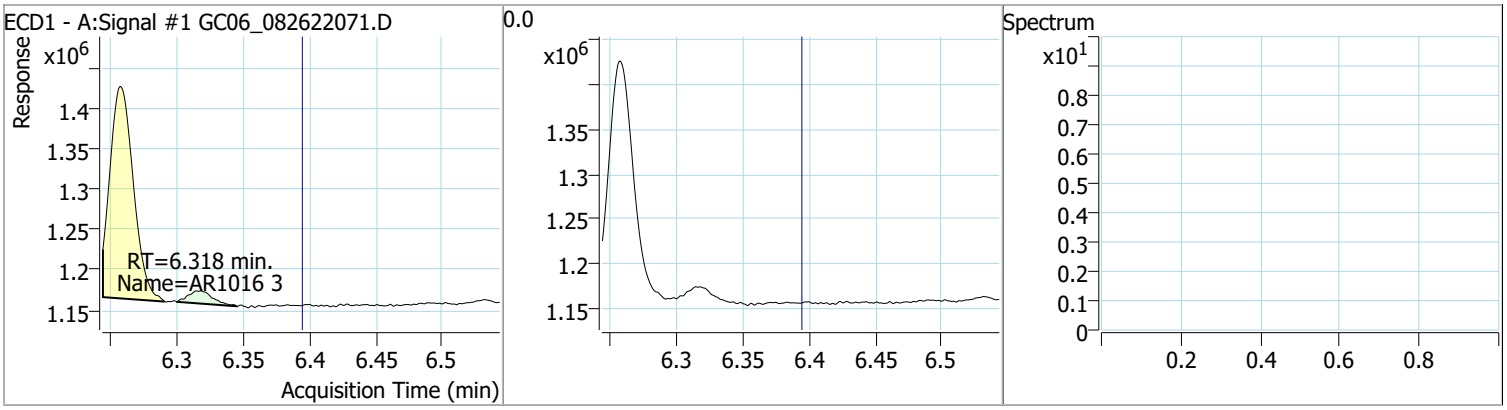
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.0473	5.85	-0.07	2738				



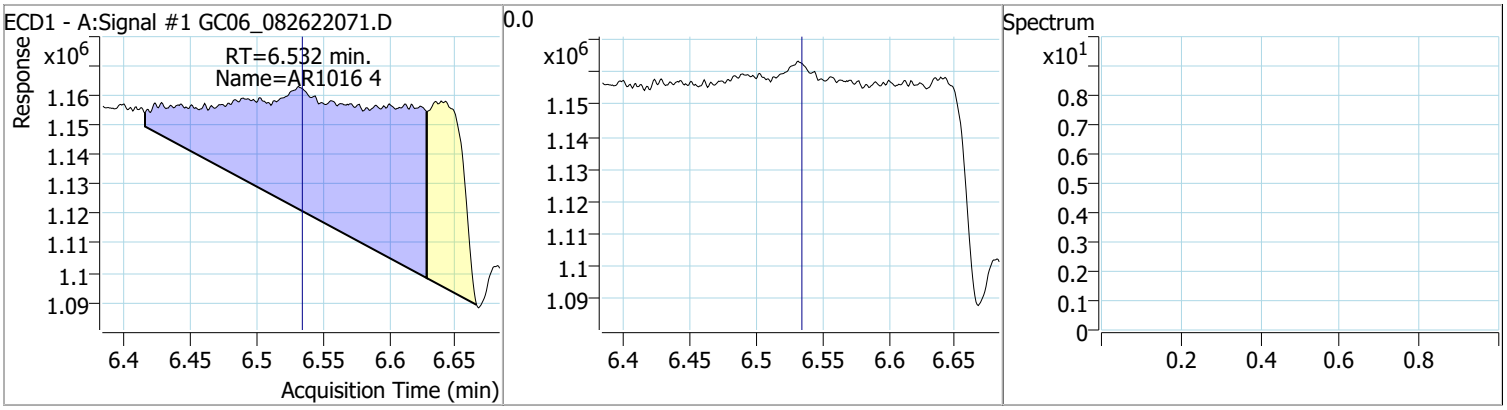
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	0.7157	6.53	0.14	12210				



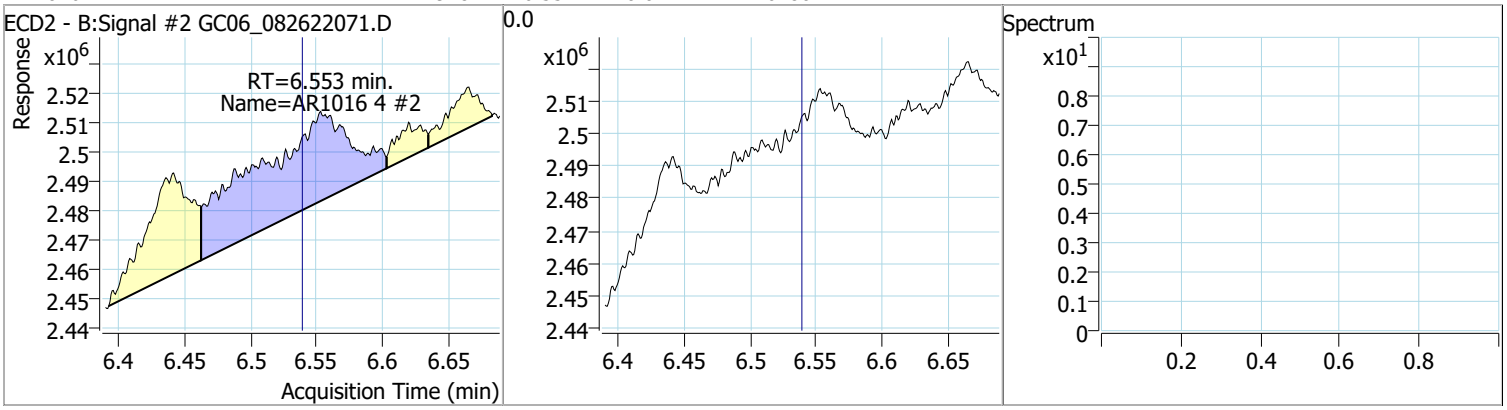
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	6.5528	6.32	-0.08	20164				



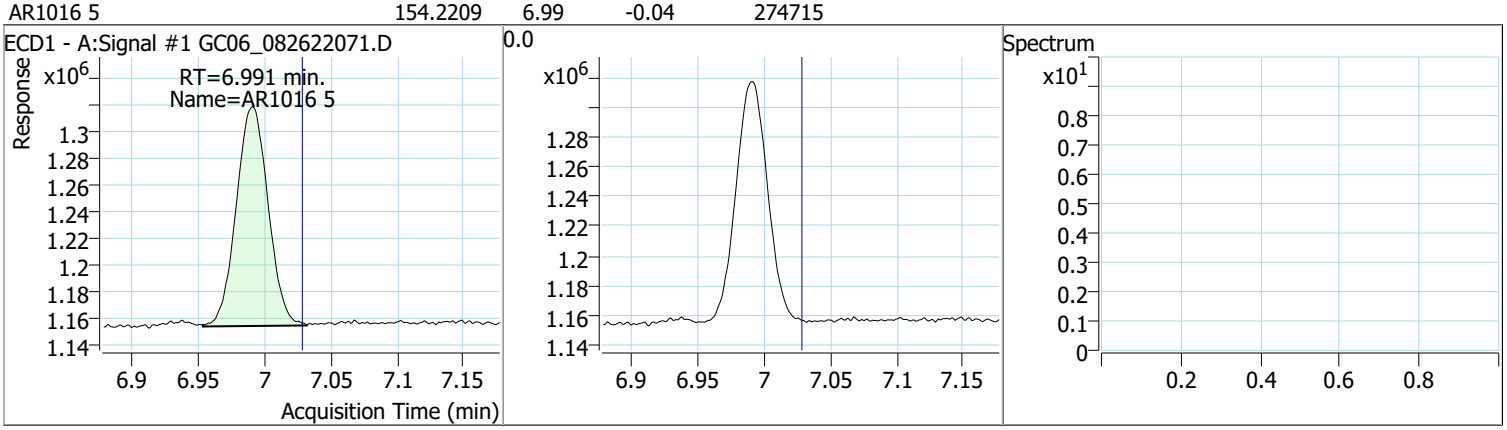
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	185.7052	6.53	0.00	427640				



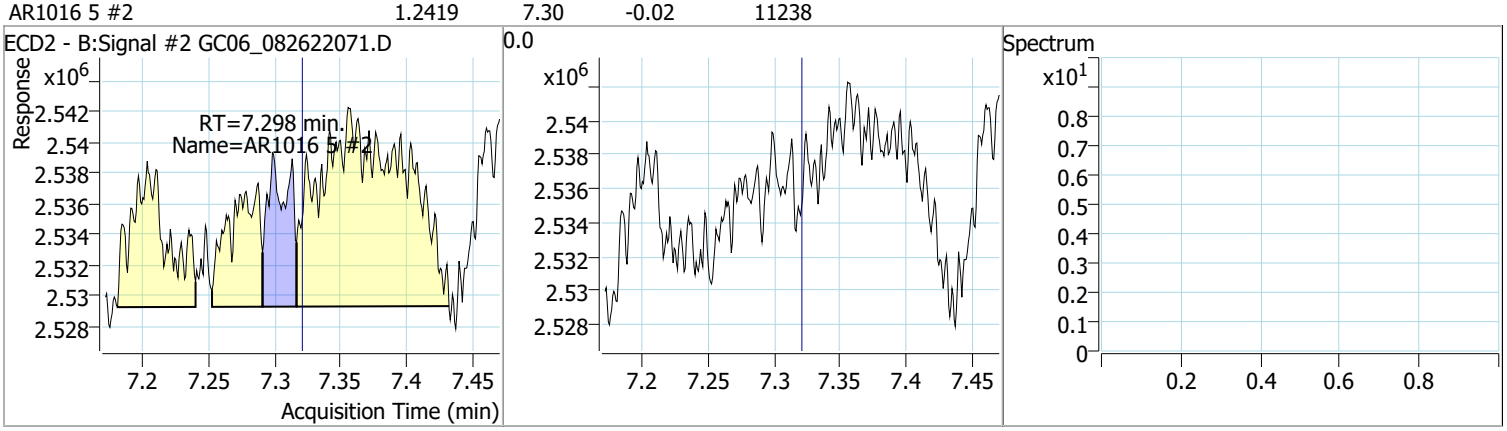
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	14.4978	6.55	0.01	167804				



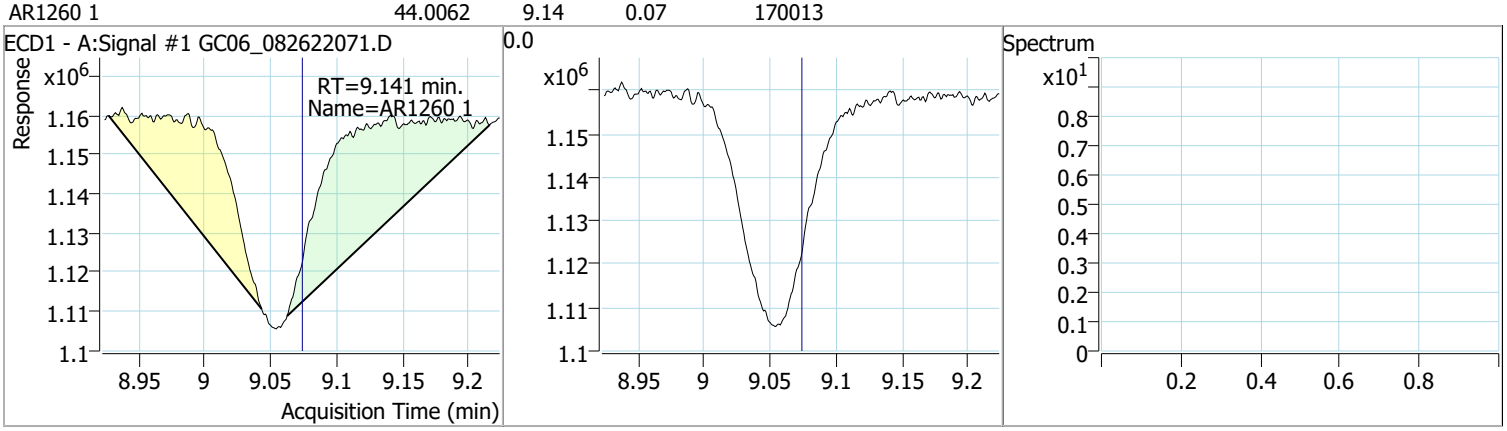
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	154.2209	6.99	-0.04	274715				



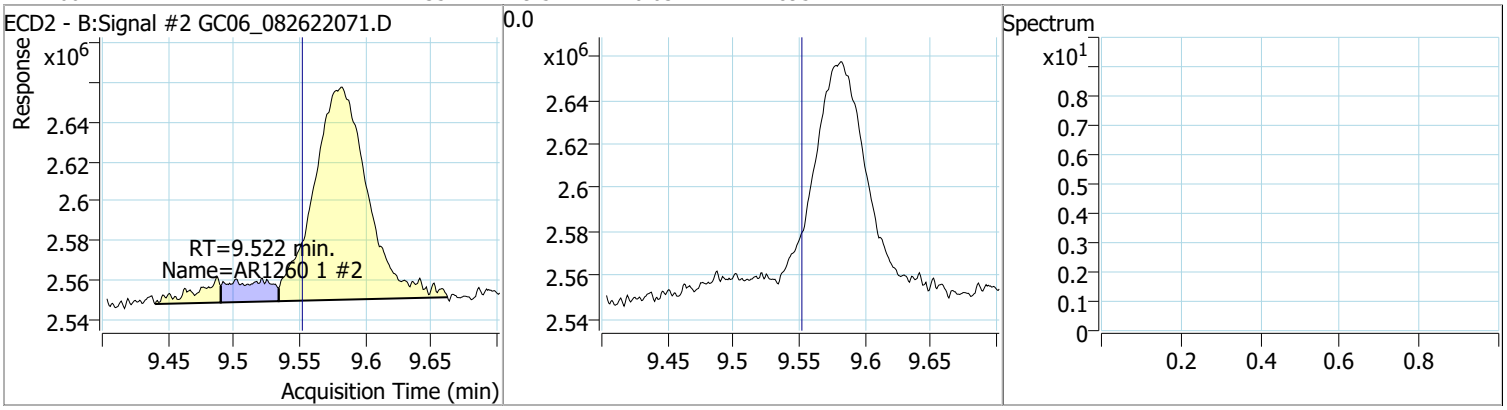
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.2419	7.30	-0.02	11238				



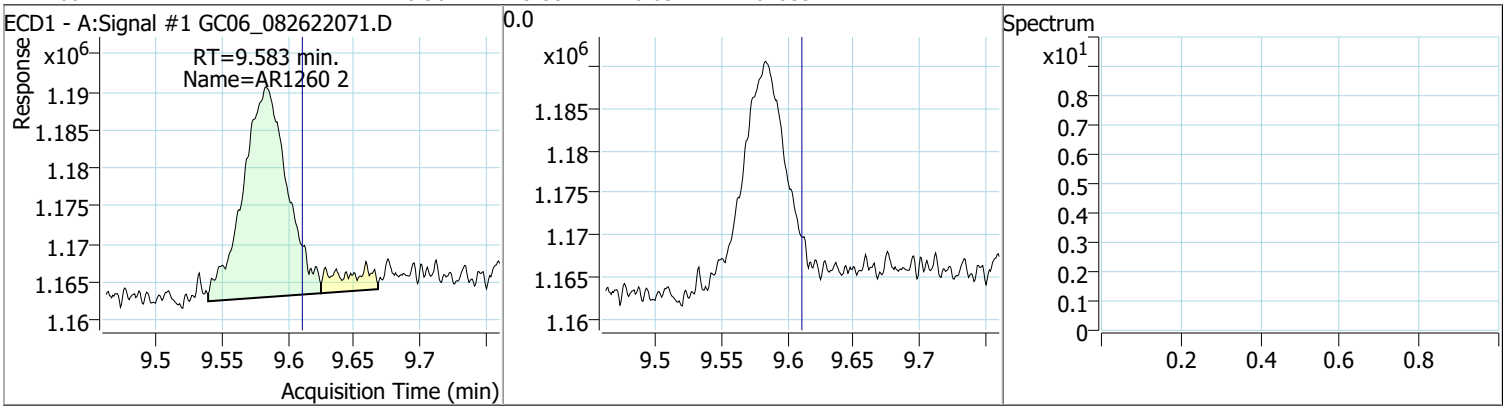
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	44.0062	9.14	0.07	170013				



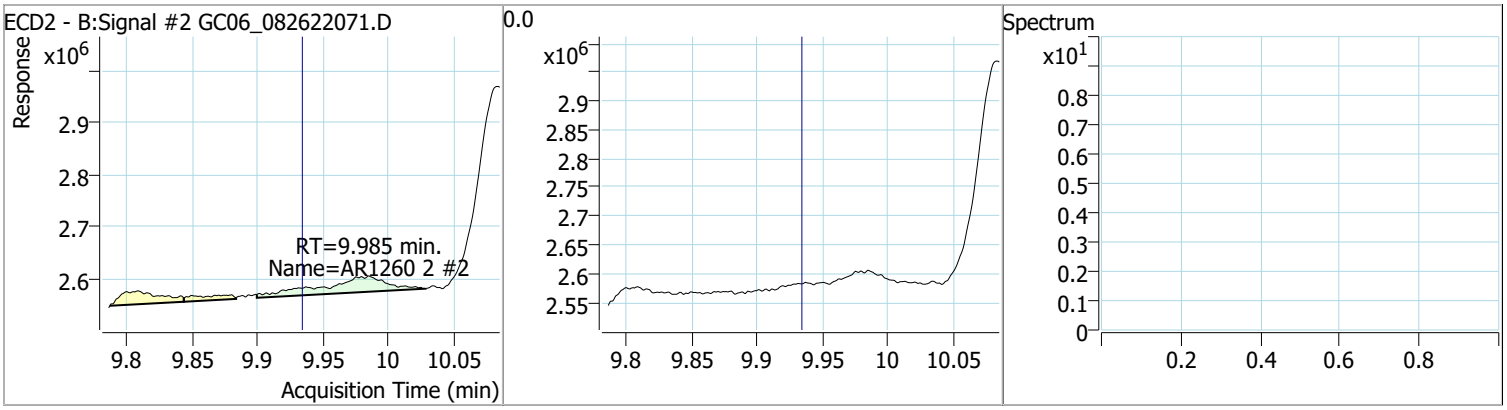
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1.2357	9.52	-0.03	24895				



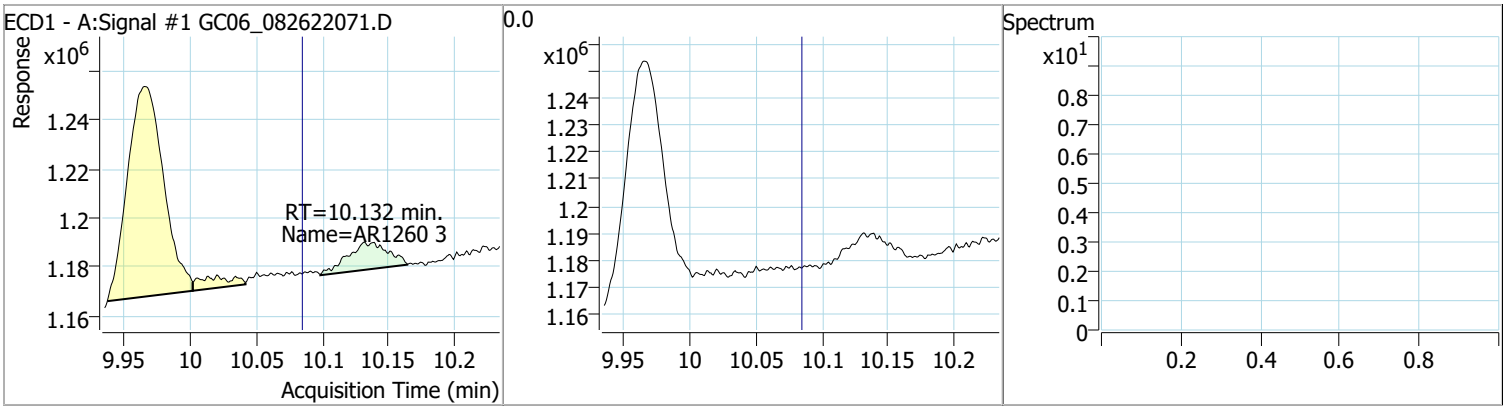
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	10.9041	9.58	-0.03	64885				



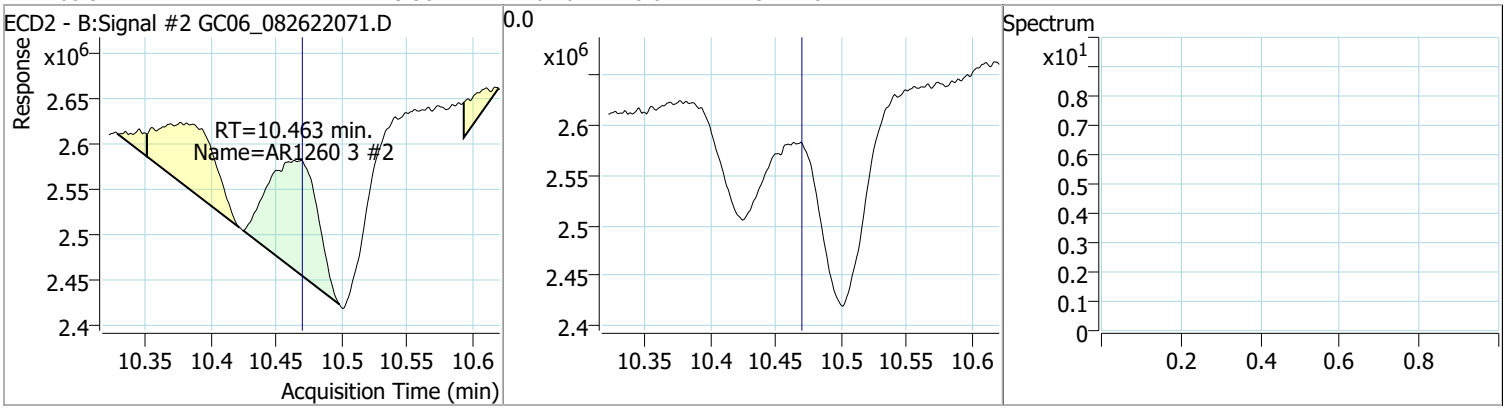
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	4.5763	9.99	0.05	106531				



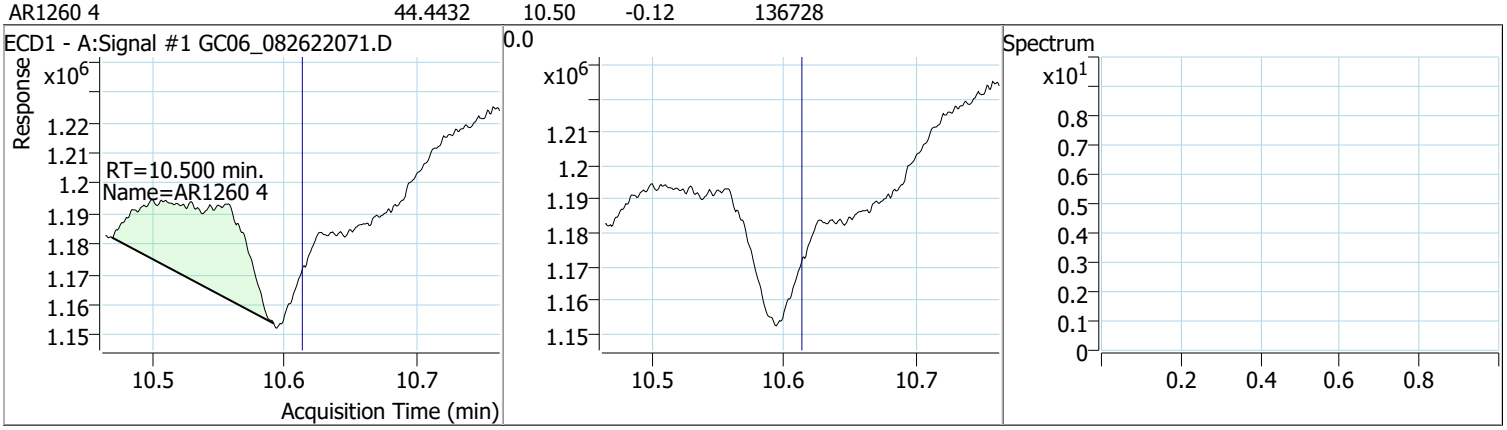
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	3.8111	10.13	0.05	23575				



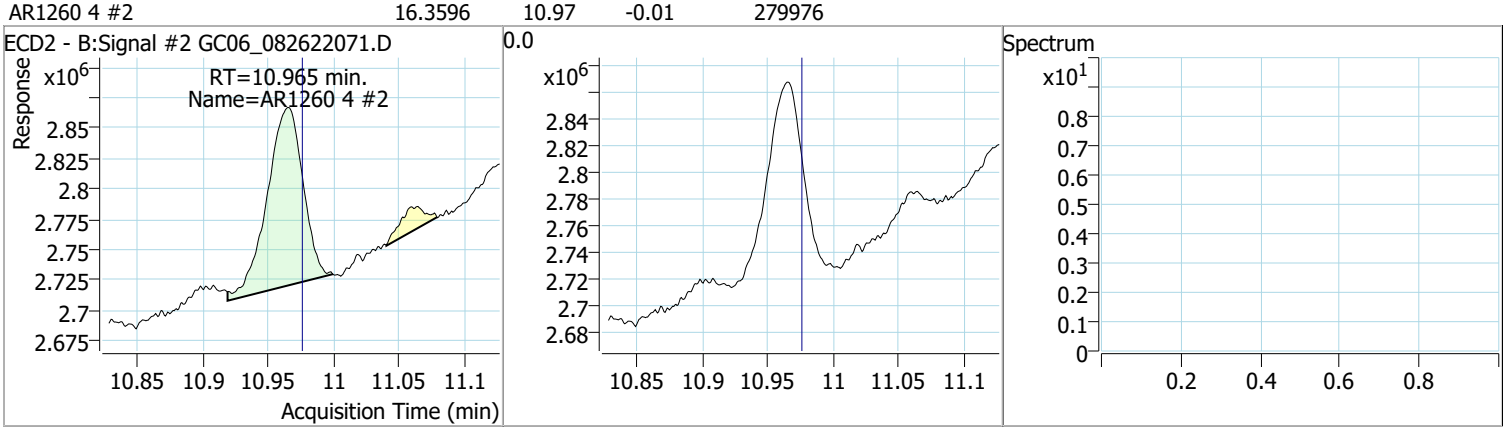
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	9.9512	10.46	-0.01	314728				



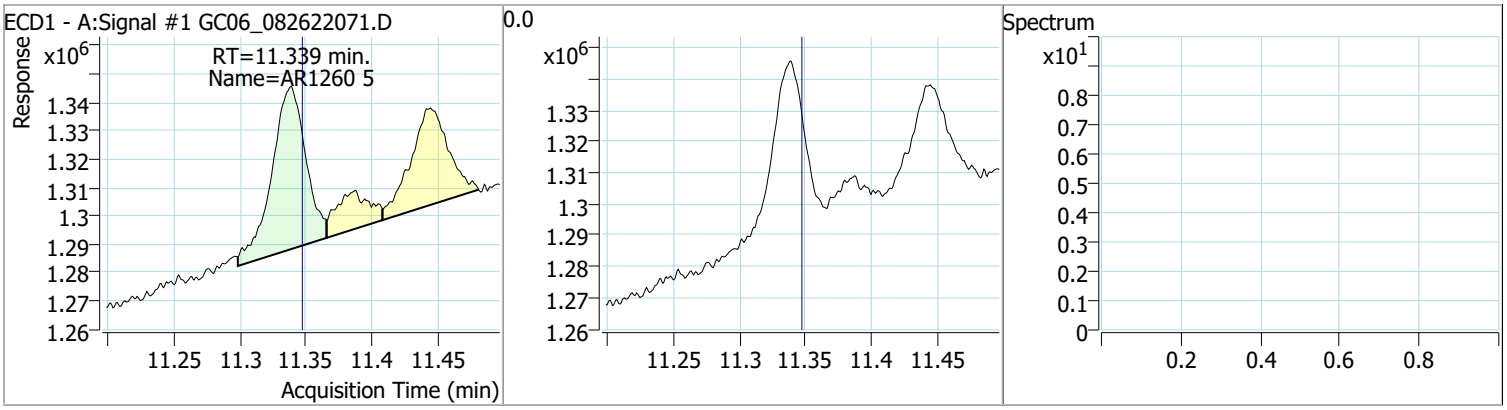
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	44.4432	10.50	-0.12	136728				



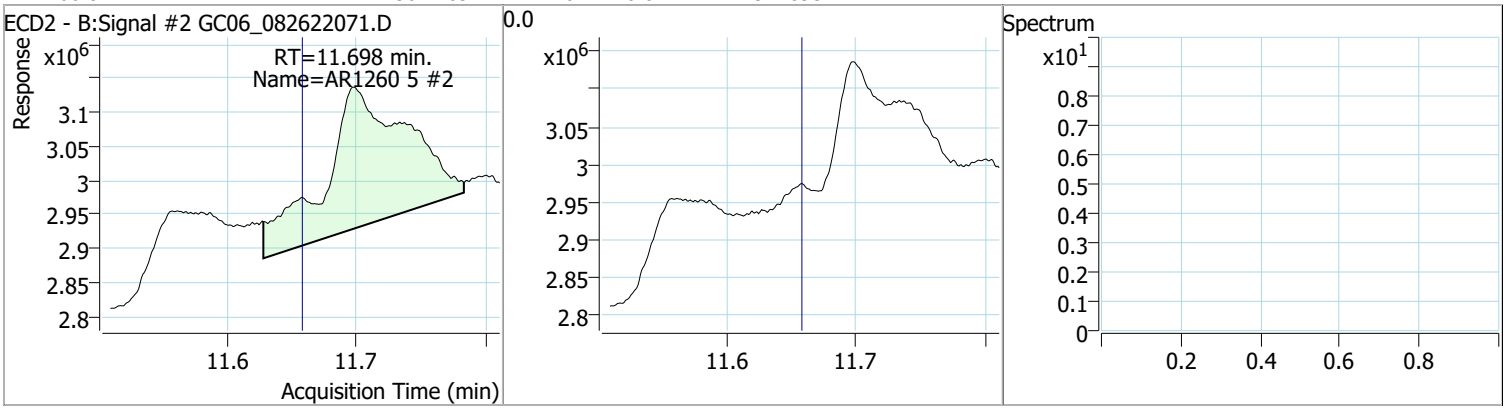
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	16.3596	10.97	-0.01	279976				



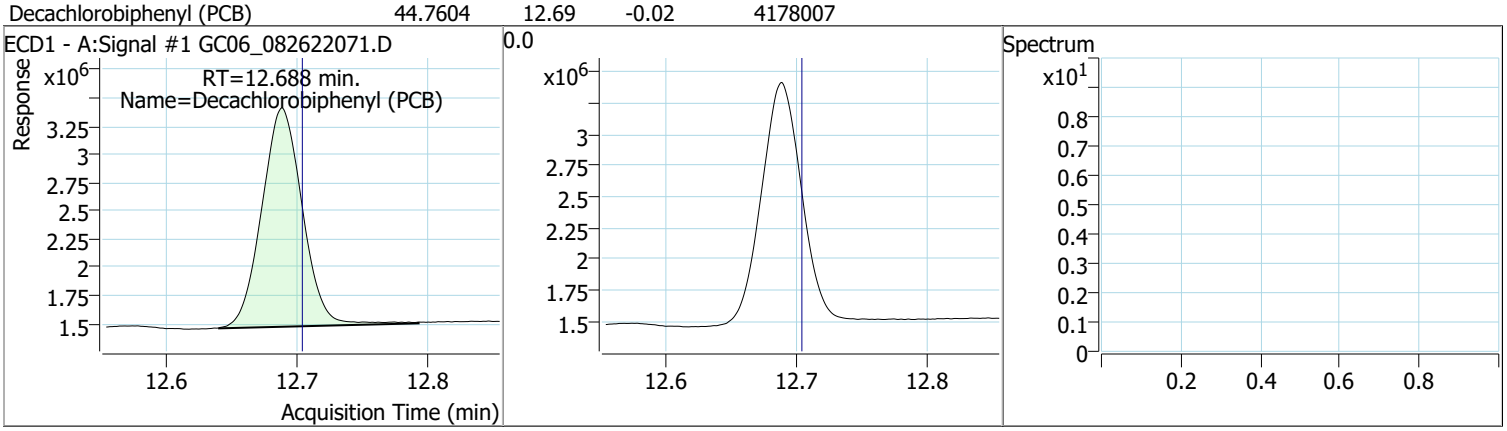
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	25.5120	11.34	-0.01	103880				



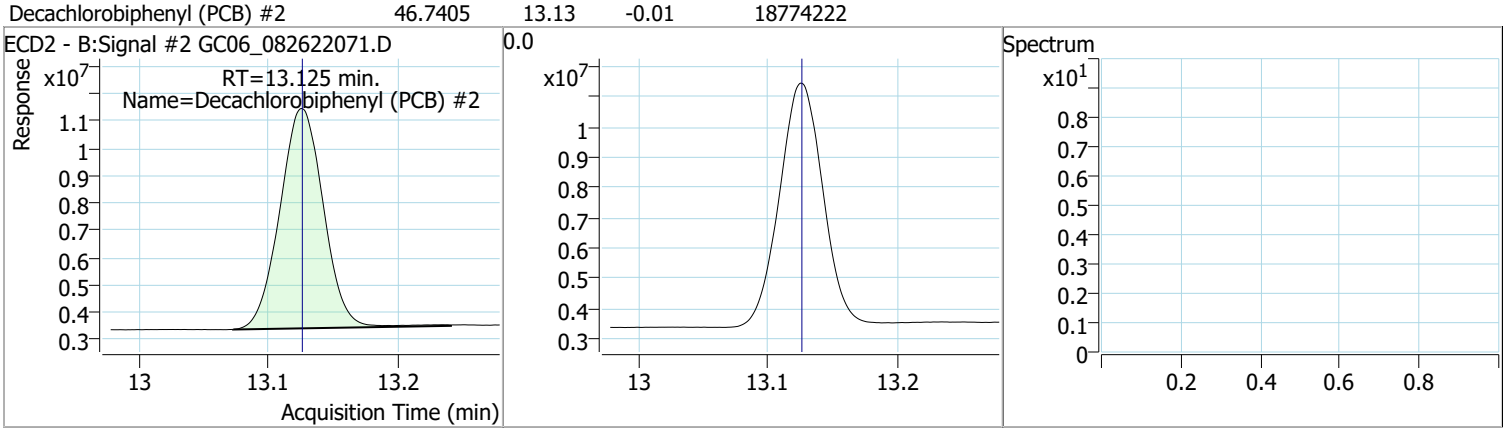
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	36.1409	11.70	0.04	911893				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	44.7604	12.69	-0.02	4178007				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	46.7405	13.13	-0.01	18774222				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467872-039	Client ID:	DOOR-N-0.1GE-DG-2 TO 16-220823-P-LA
Seqnum:	452343556025	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622025	Batch:	295632	Time:	26-AUG-2022 20:46
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	87.26	~~1.7~~ ~~FP~~	0.38	128%	1.0		x u
Aroclor-1016 Peak # 1	A	57.38	1.15	1.04	10%			
Aroclor-1016 Peak # 2	A	5.908	0.12	0.20	50%			
Aroclor-1016 Peak # 3	A	83.33	1.67	0.44	117%			
Aroclor-1016 Peak # 4	A	97.20	1.94	0.19	164%			
Aroclor-1016 Peak # 5	A	192.5	3.85	0.03	196%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	26.35	ND	0.38	34%	1.0		u
Aroclor-1260 Peak # 1	A	31.60	0.63	0.34	61%			
Aroclor-1260 Peak # 2	A	12.51	0.25	0.05	138%			
Aroclor-1260 Peak # 3	A	20.25	0.40	0.16	85%			
Aroclor-1260 Peak # 4	A	28.08	0.56	0.16	109%			
Aroclor-1260 Peak # 5	A	39.31	0.79	1.17	39%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	41.49	1.000	0.8297	83	52-186	c+ u
Decachlorobiphenyl (PCB)	A	28.18	1.000	0.5636	56	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	8592765	4.55
1-bromo-2-nitrobenzene (PCB)	A	1919479	1664480	-13.28

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

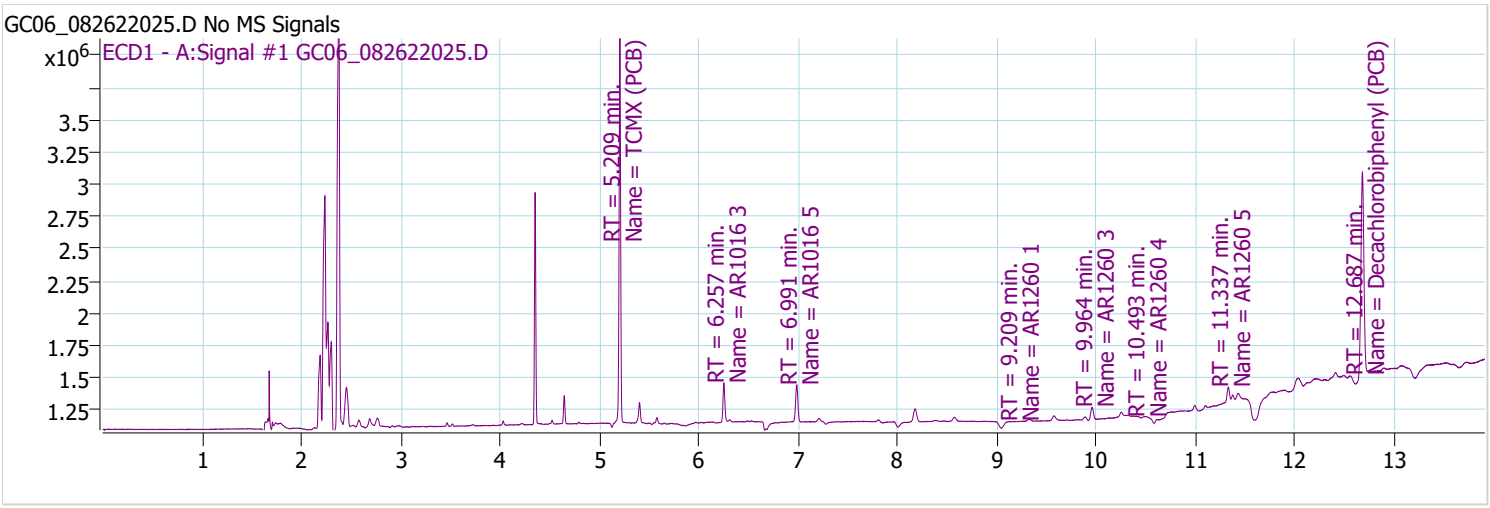
ISTD (CCV gc06_082622002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.12	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

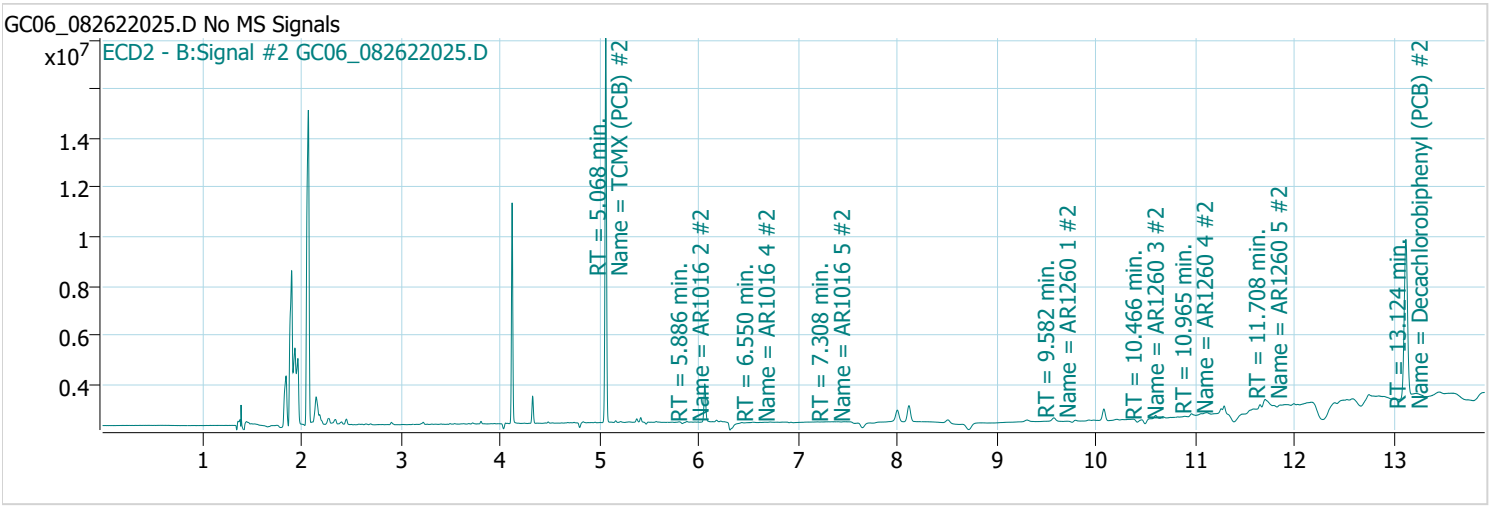
Analyst: TRN 08/29/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622025.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 8:46:53 PM
Sample Name	467872-039, 295632, 1	Instrument	SVOA-GC06
Vial	15	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



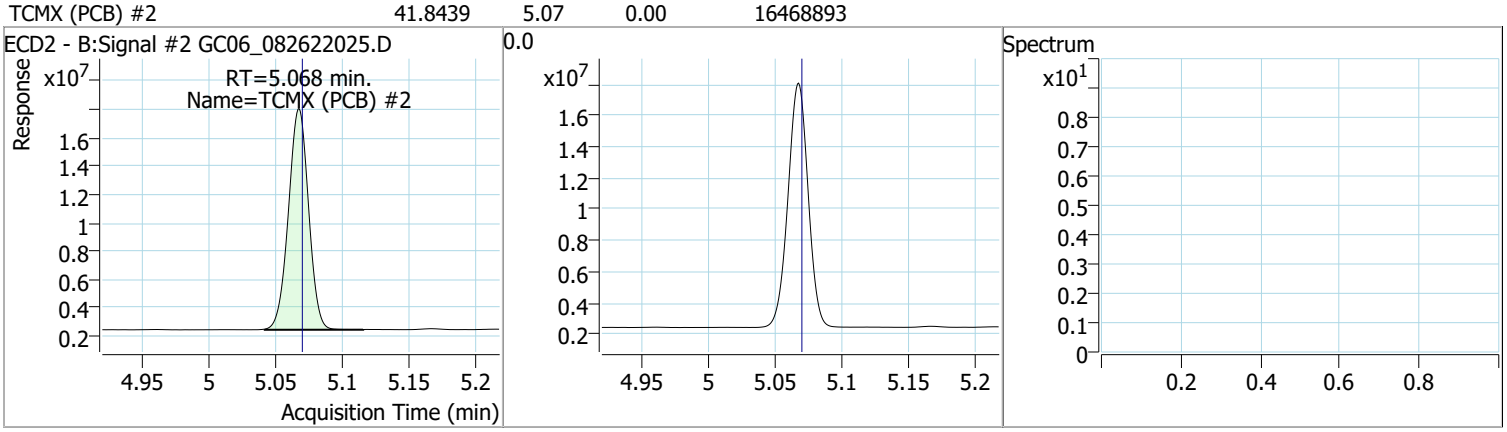


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.124	0.0	8592765.333	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB)	4.356	0.0	1664479.994	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB) #2	5.068	0.0	16468892.859	41.8439	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 209.22%		*	
S TCMX (PCB)	5.209	0.0	3320610.440	41.4754	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 207.38%		*	
S Decachlorobiphenyl (PCB)	12.687	0.0	3565812.694	28.1754	ng/ml		-0.019
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 140.88%			
S Decachlorobiphenyl (PCB) #2	13.124	0.0	15358400.427	29.6205	ng/ml		-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 148.10%			
Target Compounds							QValue

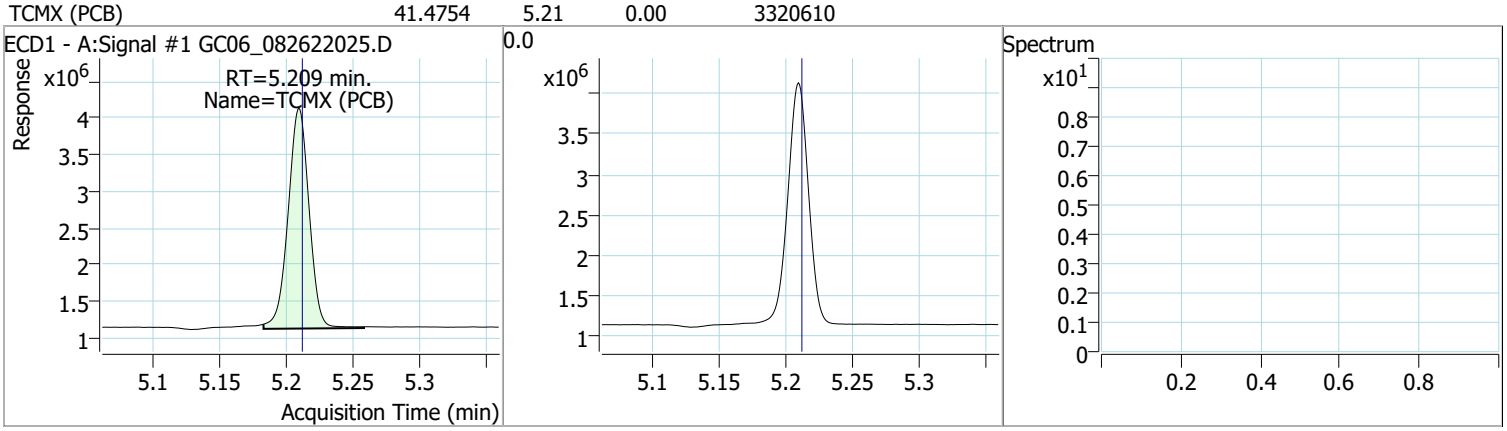
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.576	0.0	417576.381	51.8931	ng/ml	100
T AR1016 1	5.583	0.0	93393.064	57.3613	ng/ml	100
T AR1016 2 #2	5.886	0.0	164894.588	9.8744	ng/ml	100
T AR1016 2	5.978	0.0	20940.273	5.9068	ng/ml	100
T AR1016 3 #2	6.245	0.0	483259.203	21.9434	ng/ml	100
T AR1016 3	6.257	0.0	347583.973	83.3090	ng/ml	100
T AR1016 4	6.535	0.0	303404.403	97.1752	ng/ml	100
T AR1016 4 #2	6.550	0.0	144951.696	9.7015	ng/ml	100
T AR1016 5	6.991	0.0	464818.538	192.4561	ng/ml	100
T AR1016 5 #2	7.308	0.0	20128.999	1.7232	ng/ml	100
T AR1260 1	9.209	0.0	165473.017	31.5898	ng/ml	100
T AR1260 1 #2	9.582	0.0	437875.687	16.8370	ng/ml	100
T AR1260 2	9.579	0.0	100900.953	12.5063	ng/ml	100
T AR1260 2 #2	9.933	0.0	69029.888	2.2972	ng/ml	100
T AR1260 3	9.964	0.0	169776.720	20.2422	ng/ml	100
T AR1260 3 #2	10.466	0.0	334359.253	8.1898	ng/ml	100
T AR1260 4	10.493	0.0	117082.167	28.0689	ng/ml	100
T AR1260 4 #2	10.965	0.0	181340.232	8.2084	ng/ml	100
T AR1260 5	11.337	0.0	216991.681	39.3046	ng/ml	100
T AR1260 5 #2	11.708	0.0	1898772.567	58.2967	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

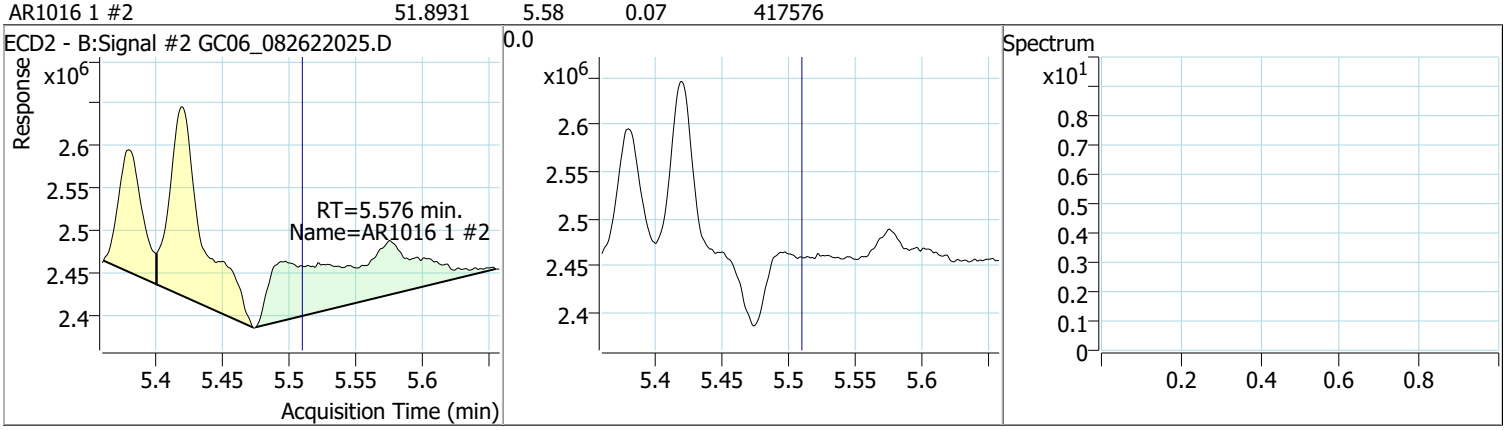
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	41.8439	5.07	0.00	16468893				



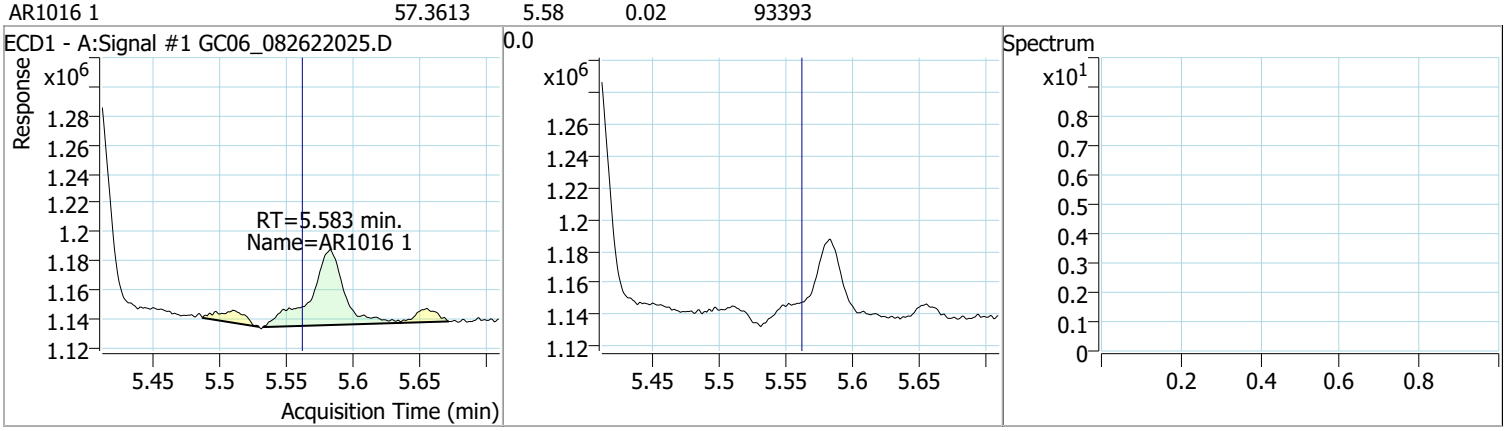
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	41.4754	5.21	0.00	3320610				



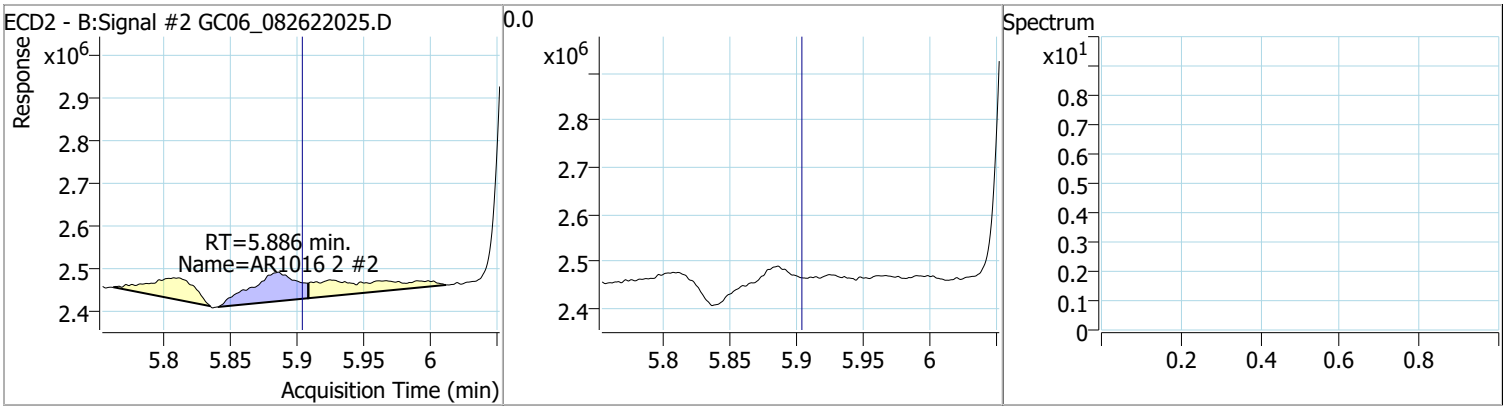
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	51.8931	5.58	0.07	417576				



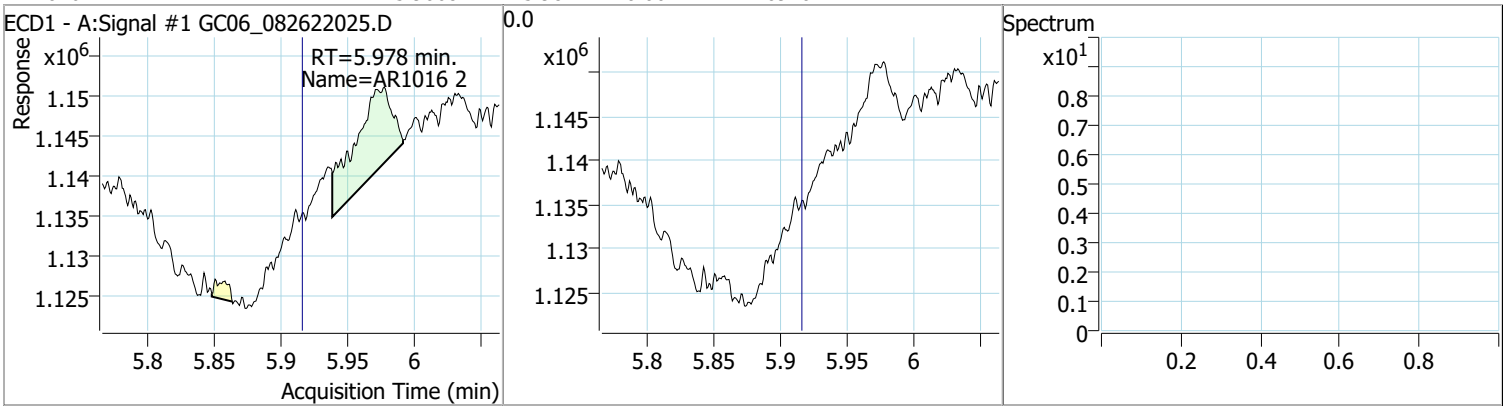
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	57.3613	5.58	0.02	93393				



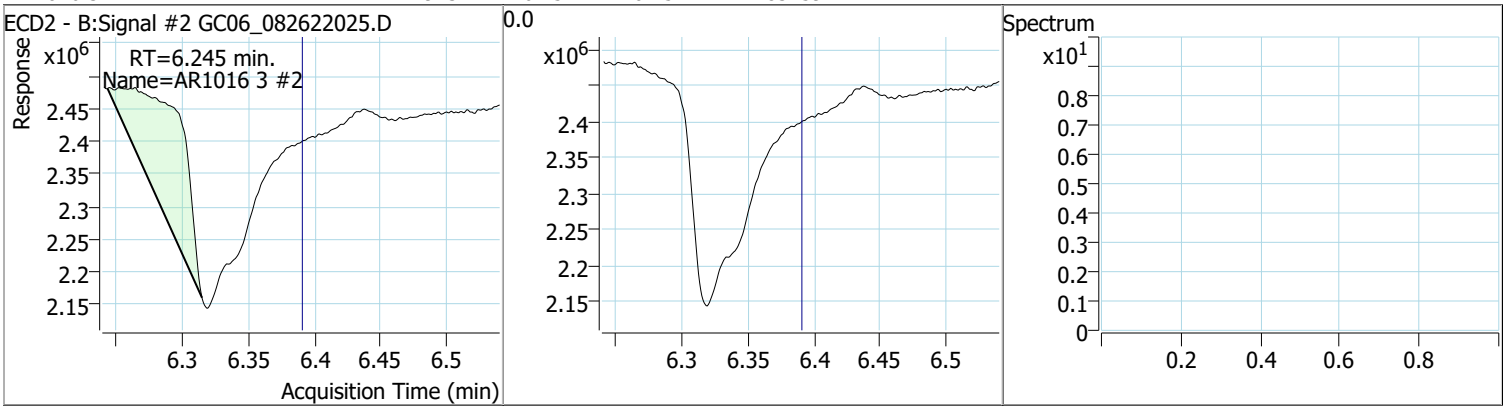
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	9.8744	5.89	-0.02	164895				



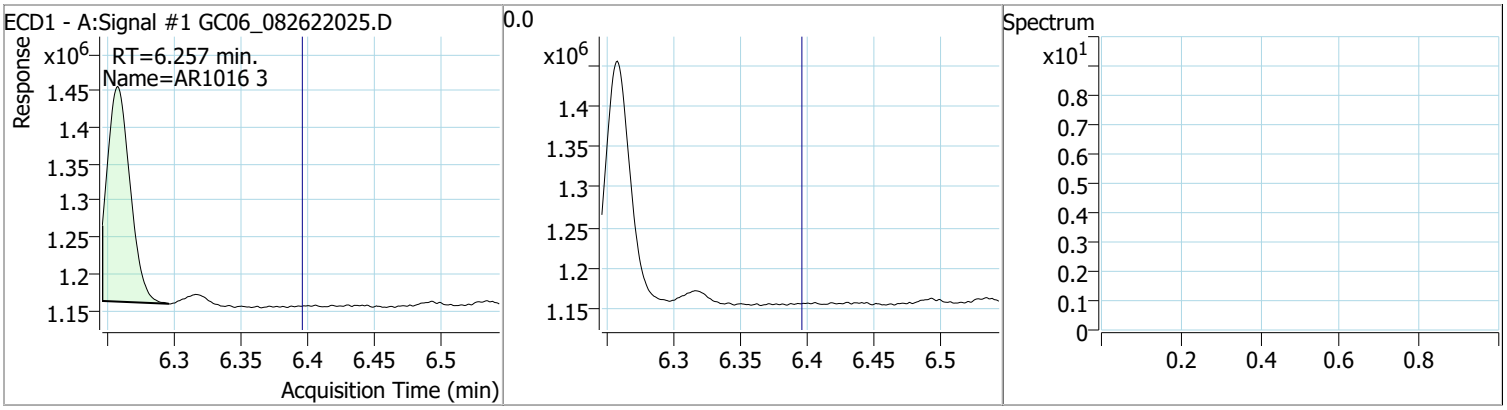
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	5.9068	5.98	0.06	20940				



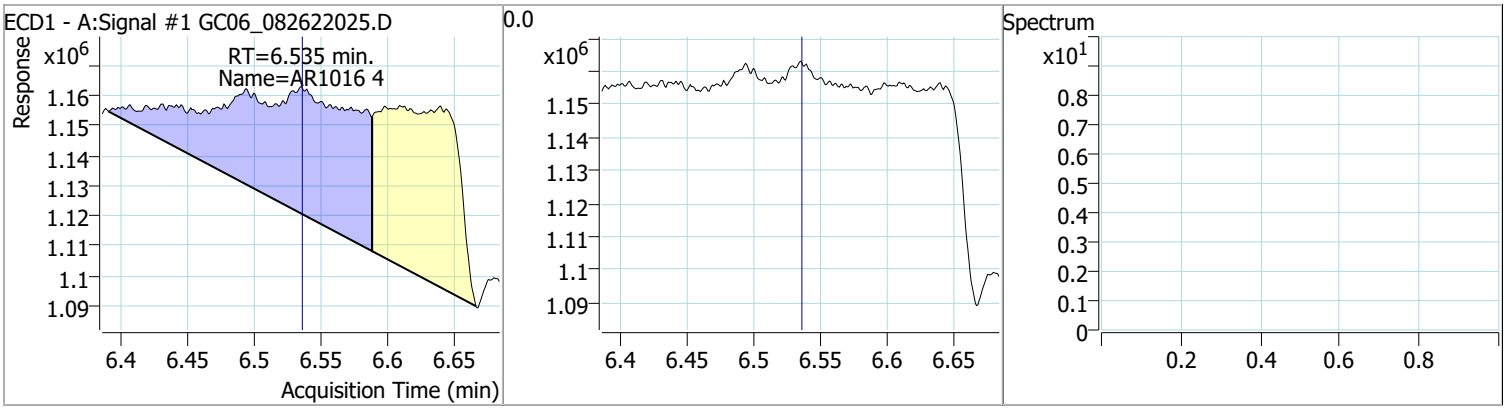
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	21.9434	6.25	-0.15	483259				



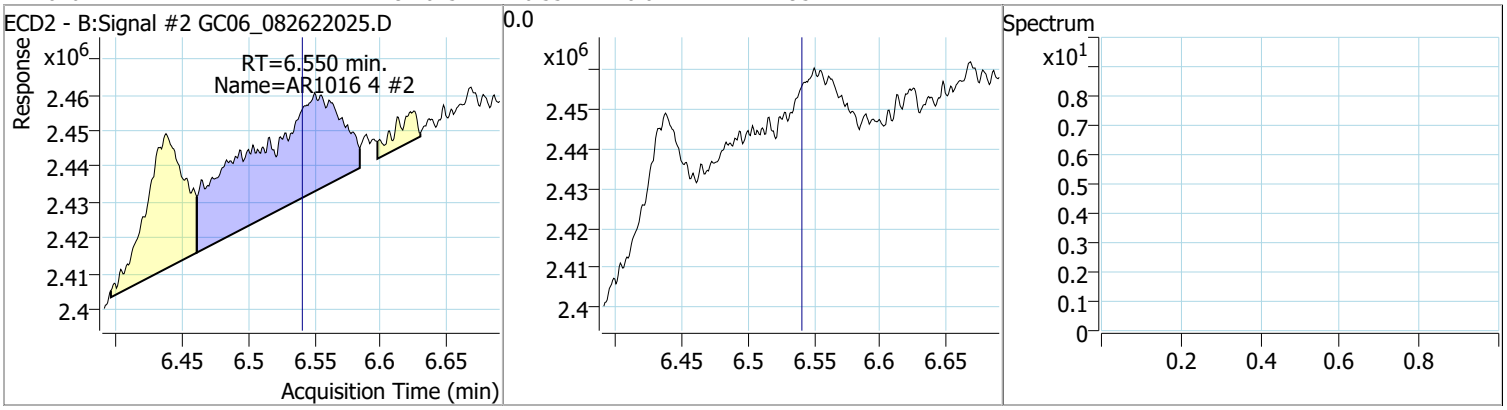
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	83.3090	6.26	-0.14	347584				



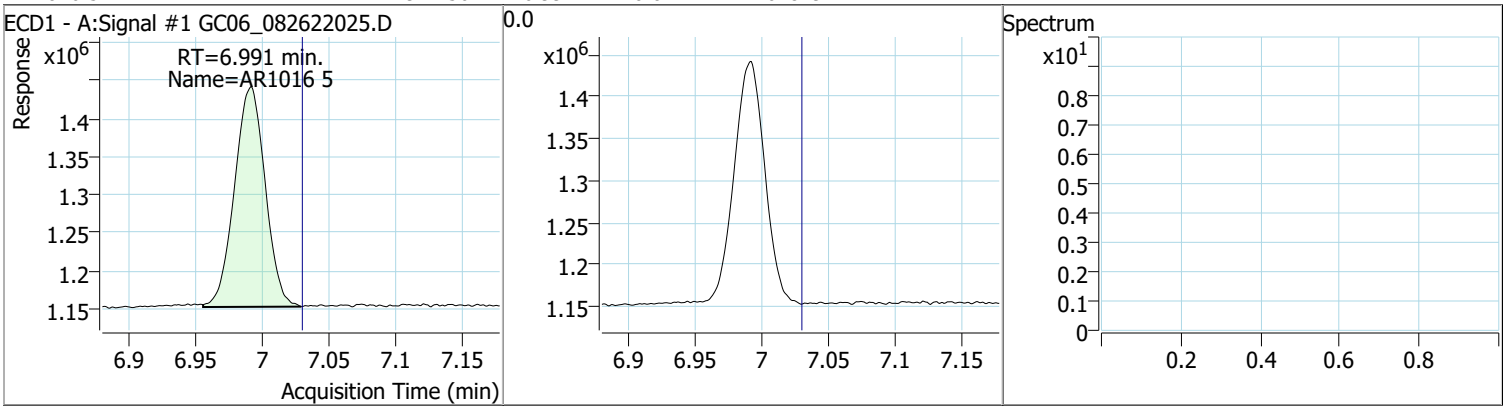
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	97.1752	6.54	0.00	303404				



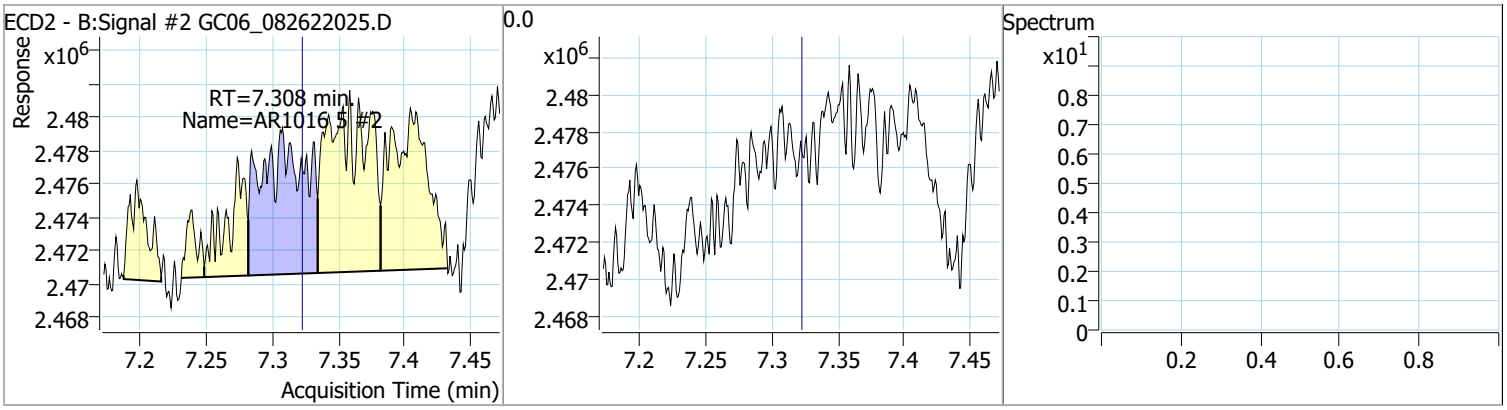
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	9.7015	6.55	0.01	144952				



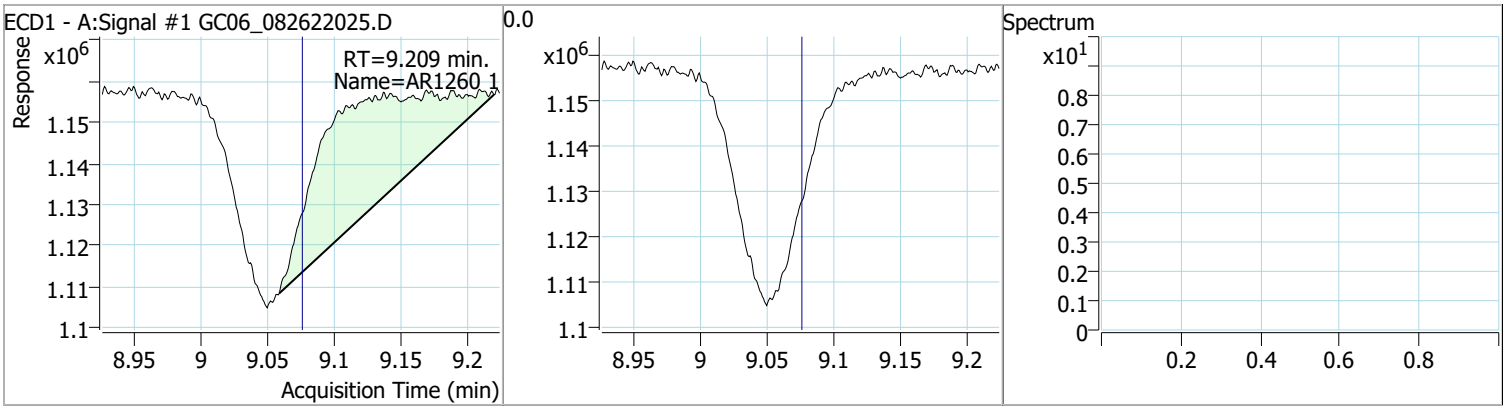
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	192.4561	6.99	-0.04	464819				



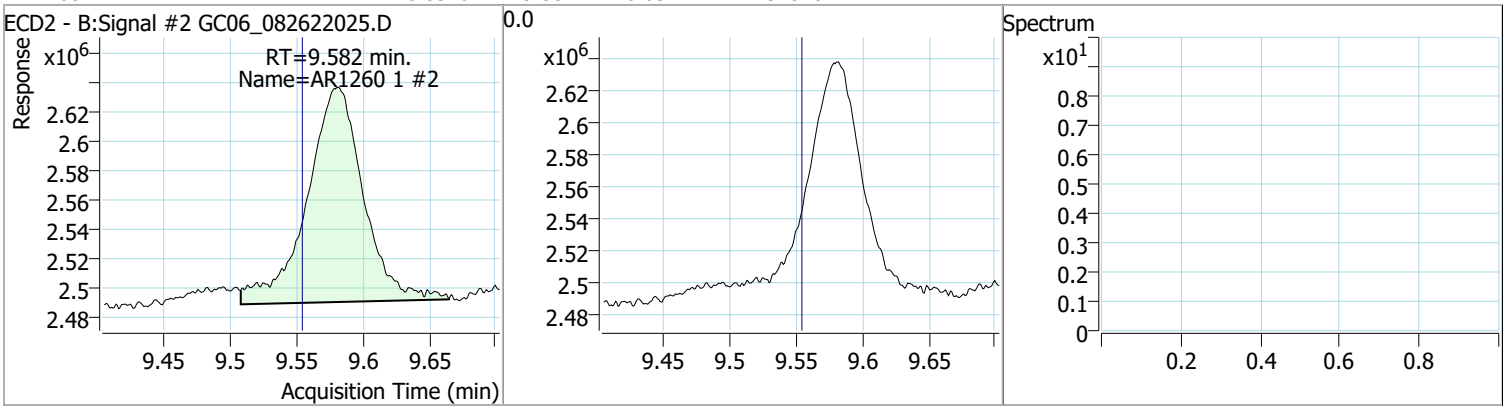
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.7232	7.31	-0.02	20129				



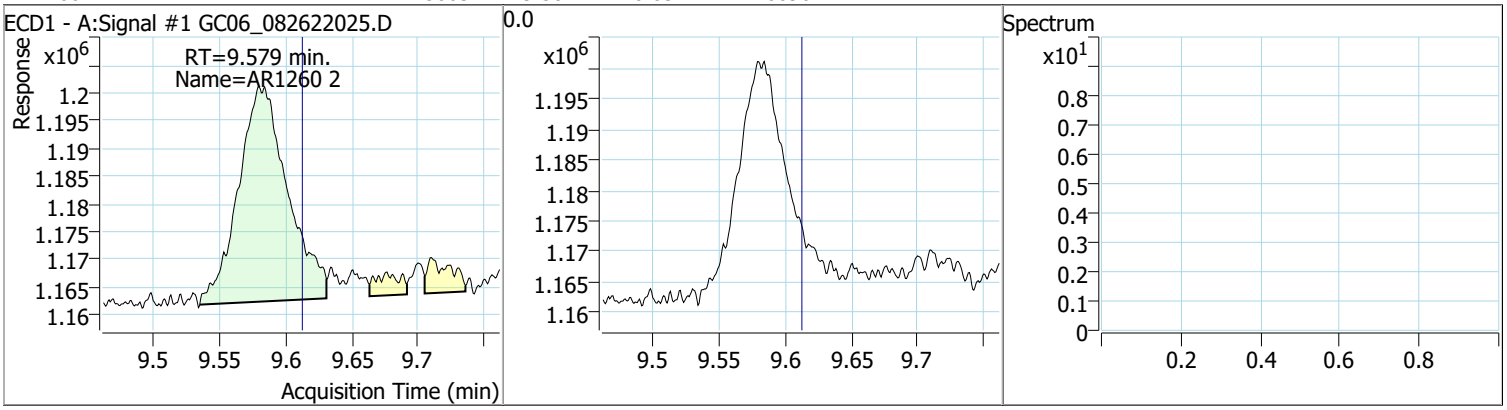
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	31.5898	9.21	0.13	165473				



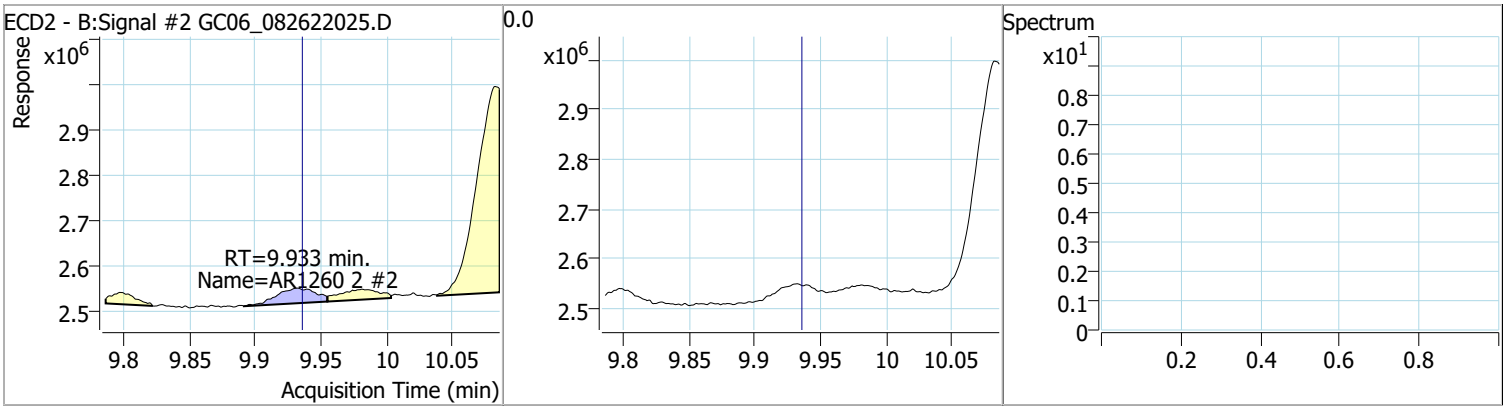
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	16.8370	9.58	0.03	437876				



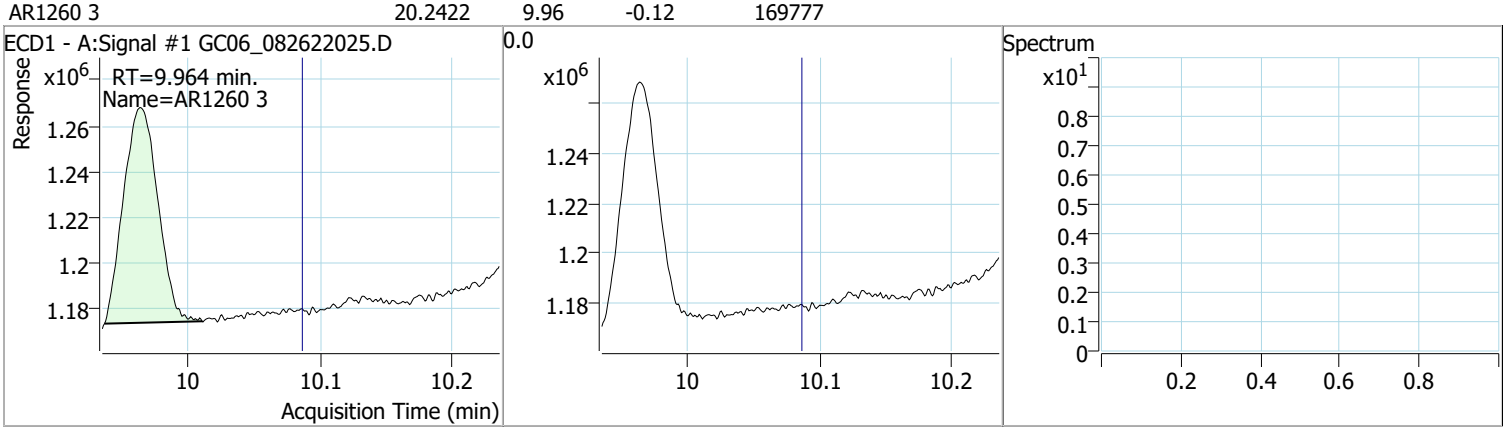
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	12.5063	9.58	-0.03	100901				



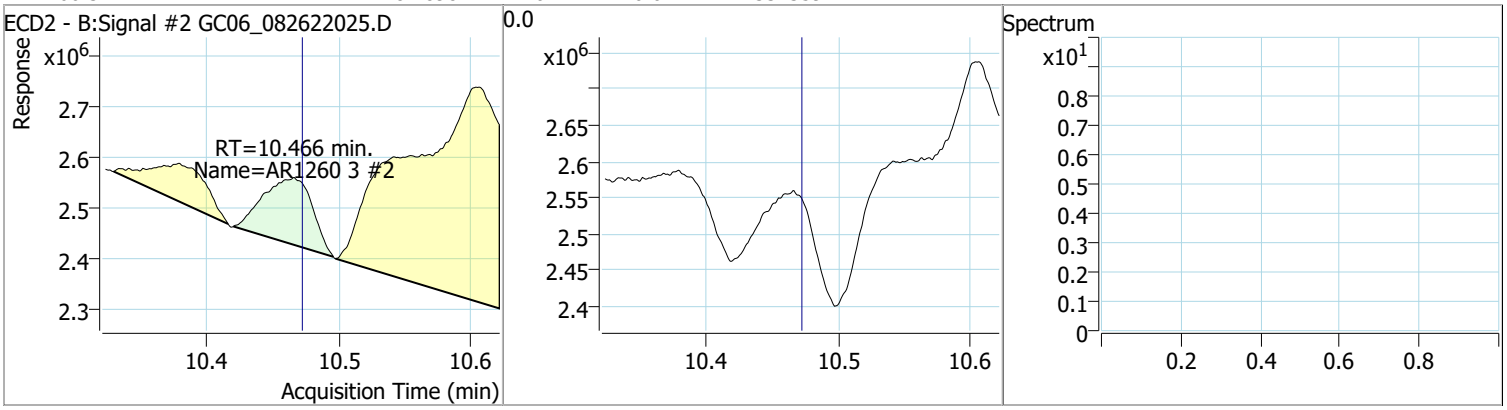
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	2.2972	9.93	0.00	69030				



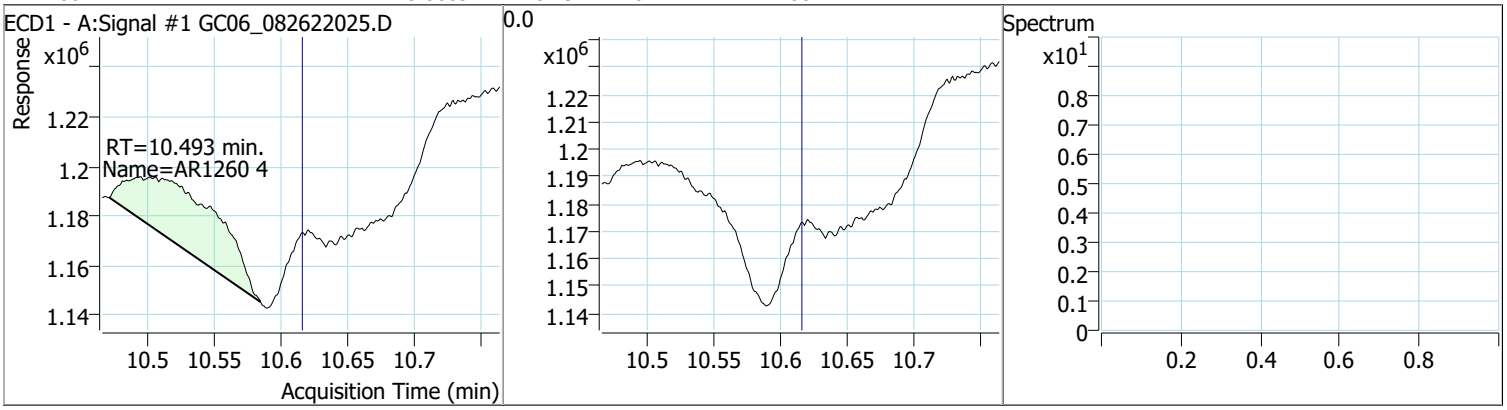
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	20.2422	9.96	-0.12	169777				



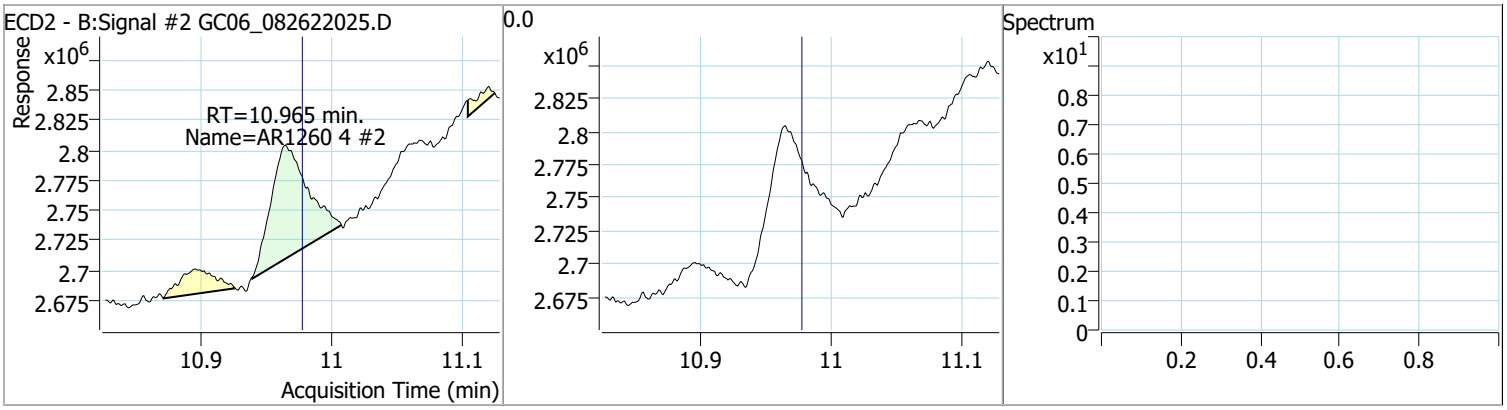
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	8.1898	10.47	-0.01	334359				



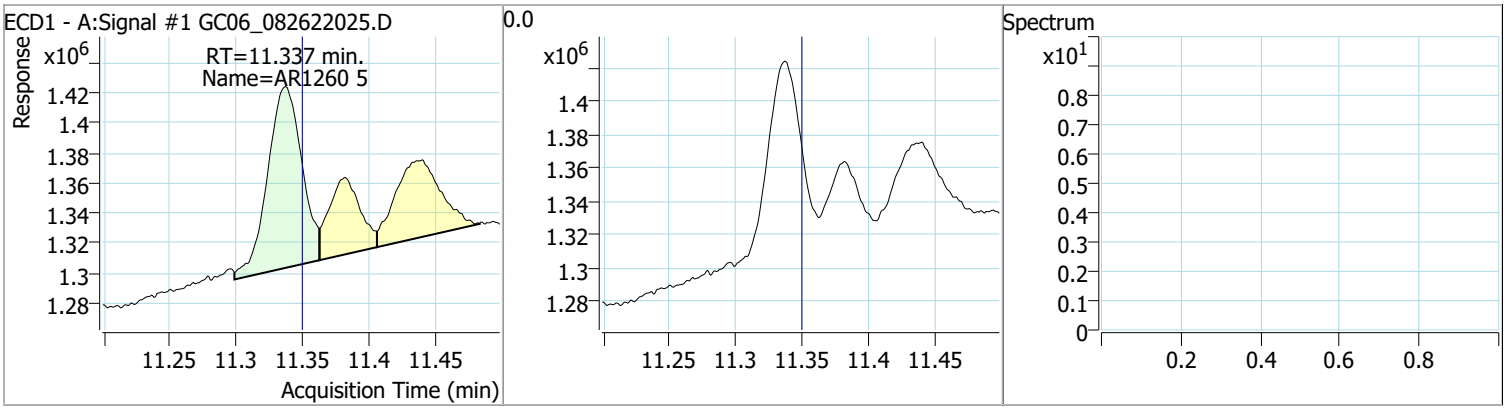
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	28.0689	10.49	-0.12	117082				



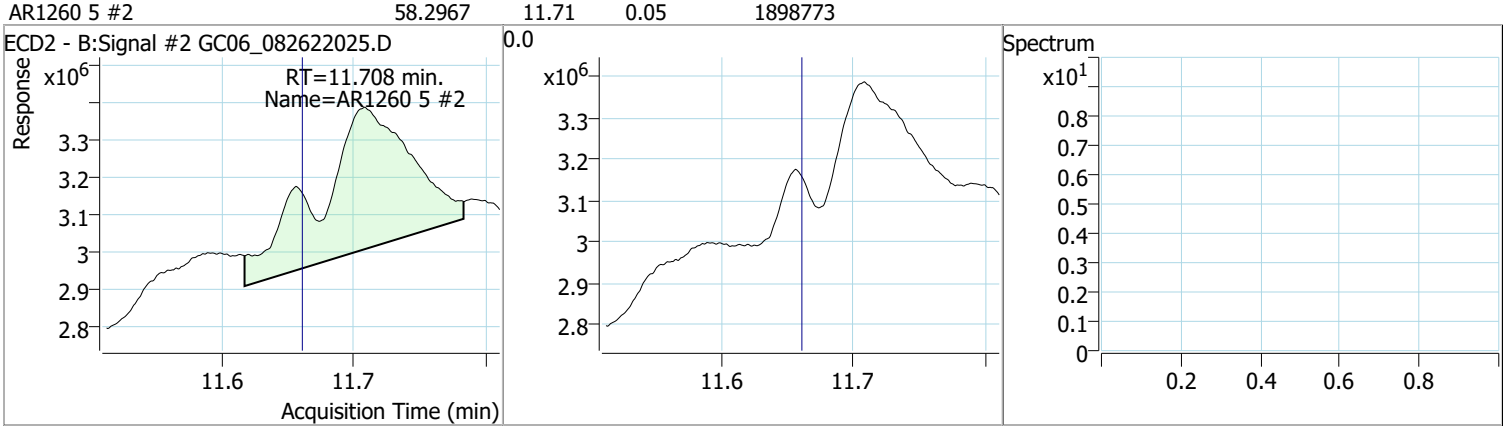
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	8.2084	10.97	-0.01	181340				



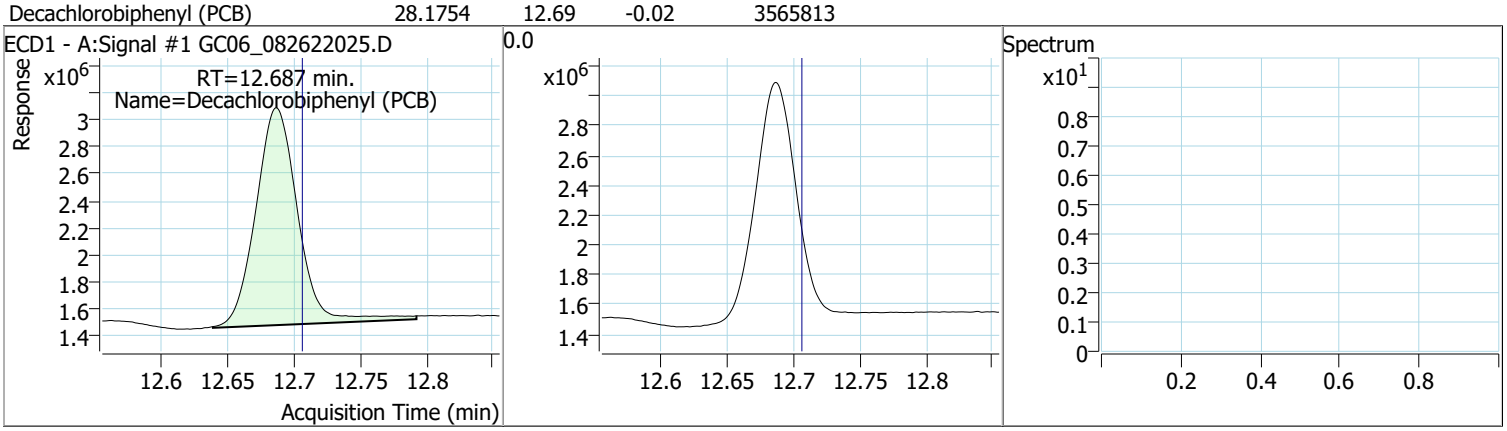
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	39.3046	11.34	-0.01	216992				



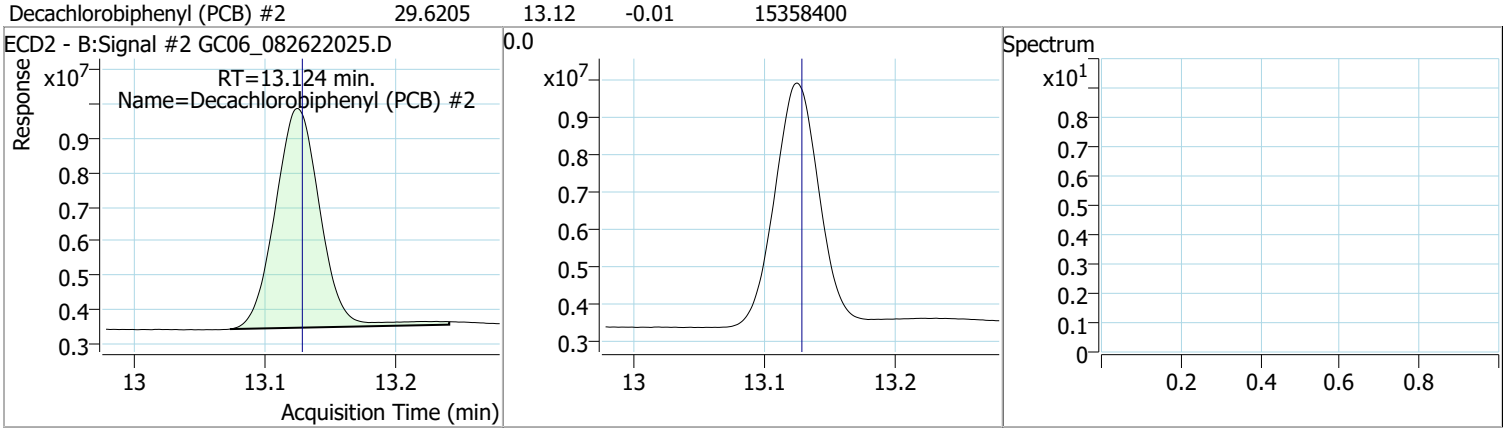
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	58.2967	11.71	0.05	1898773				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	28.1754	12.69	-0.02	3565813				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	29.6205	13.12	-0.01	15358400				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467872-041	Client ID:	DOOR-N-0.2GE-EXT-3 TO 4-220823-P-CB
Seqnum:	452343556026	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622026	Batch:	295632	Time:	26-AUG-2022 21:04
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	74.03	~~1.5~~ FP	0.49	100%	1.0		x u
Aroclor-1016 Peak # 1	A	9.467	0.19	0.91	131%			
Aroclor-1016 Peak # 2	A	8.171	0.16	0.18	11%			
Aroclor-1016 Peak # 3	A	98.29	1.97	1.18	50%			
Aroclor-1016 Peak # 4	A	129.0	2.58	0.15	178%			
Aroclor-1016 Peak # 5	A	125.2	2.50	0.04	194%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	20.90	ND	0.16	88%	1.0		u
Aroclor-1260 Peak # 1	A	25.88	0.52	0.06	156%			
Aroclor-1260 Peak # 2	A	1.391	0.03	0.00	148%			
Aroclor-1260 Peak # 3	A	4.389	0.09	0.14	49%			
Aroclor-1260 Peak # 4	A	26.67	0.53	0.00	198%			
Aroclor-1260 Peak # 5	A	46.17	0.92	0.60	43%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	39.08	1.000	0.7815	78	52-186	c+ u
Decachlorobiphenyl (PCB)	A	31.50	1.000	0.6300	63	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	8065302	-1.86
1-bromo-2-nitrobenzene (PCB)	A	1919479	1581957	-17.58

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

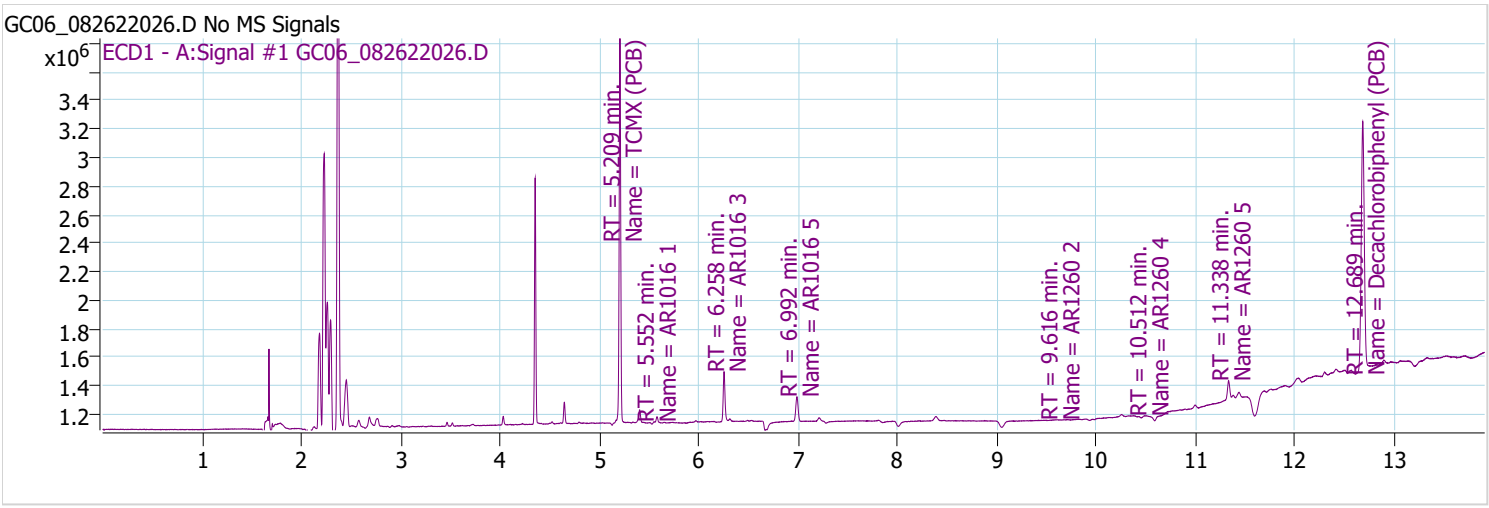
ISTD (CCV gc06_082622002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.12	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

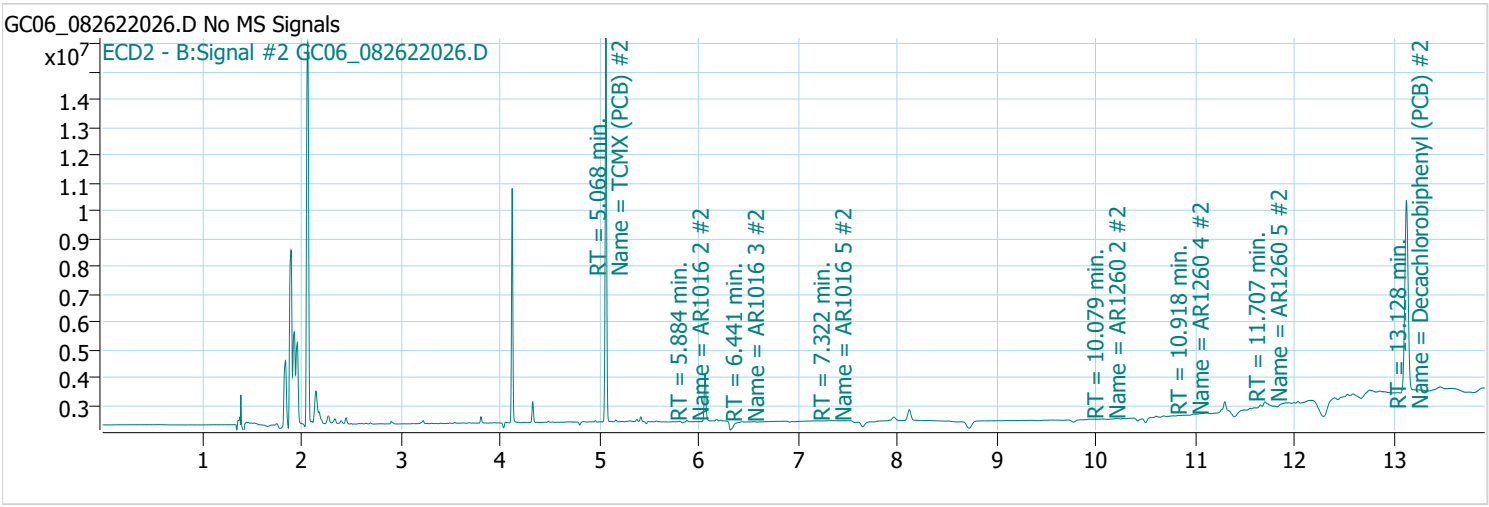
Analyst: TRN 08/29/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622026.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 9:04:17 PM
Sample Name	467872-041, 295632, 1	Instrument	SVOA-GC06
Vial	16	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



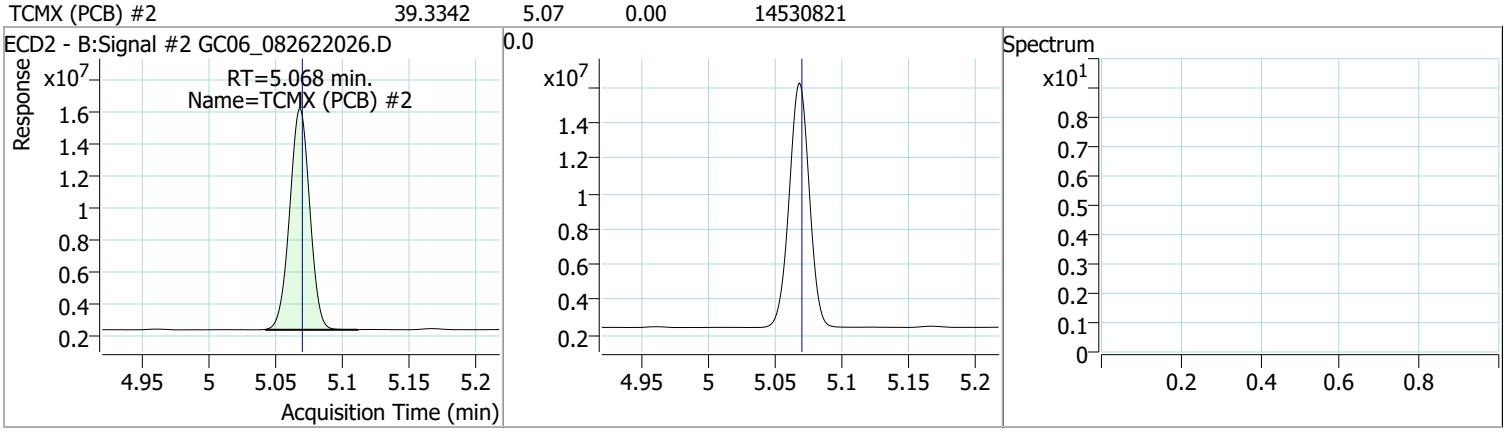


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.124	0.0	8065302.338	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB)	4.356	0.0	1581957.255	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB) #2	5.068	0.0	14530820.793	39.3342	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 196.67%		*	
S TCMX (PCB)	5.209	0.0	2972752.009	39.0675	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 195.34%		*	
S Decachlorobiphenyl (PCB)	12.689	0.0	3787837.689	31.4910	ng/ml		-0.017
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 157.46%		*	
S Decachlorobiphenyl (PCB) #2	13.128	0.0	16291043.478	33.4740	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 167.37%		*	
Target Compounds							QValue

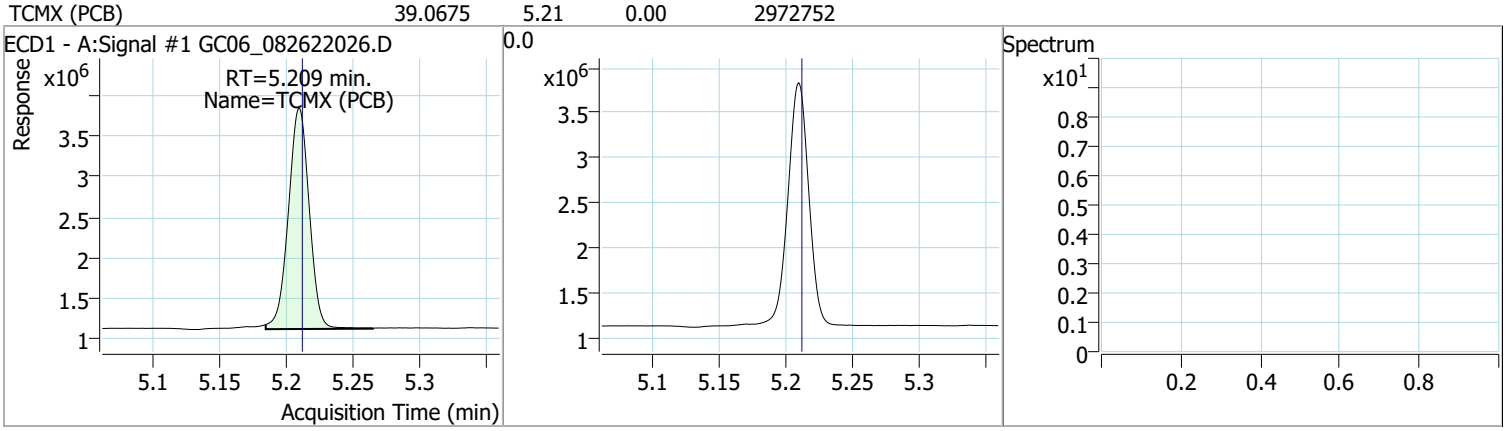
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.575	0.0	341893.553	45.2665	ng/ml	100
T AR1016 1	5.552	0.0	14645.775	9.4646	ng/ml	100
T AR1016 2 #2	5.884	0.0	142943.371	9.1197	ng/ml	100
T AR1016 2	5.973	0.0	27523.612	8.1689	ng/ml	100
T AR1016 3 #2	6.441	0.0	1223781.325	59.2025	ng/ml	100
T AR1016 3	6.258	0.0	389644.781	98.2618	ng/ml	100
T AR1016 4	6.538	0.0	382824.035	129.0080	ng/ml	100
T AR1016 4 #2	6.554	0.0	103974.443	7.4140	ng/ml	100
T AR1016 5	6.992	0.0	287339.519	125.1778	ng/ml	100
T AR1016 5 #2	7.322	0.0	20012.119	1.8252	ng/ml	100
T AR1260 1	9.168	0.0	128795.872	25.8705	ng/ml	100
T AR1260 1 #2	9.606	0.0	77466.479	3.1735	ng/ml	100
T AR1260 2	9.616	0.0	10663.144	1.3906	ng/ml	100
T AR1260 2 #2	10.079	0.0	5822.699	0.2064	ng/ml	100
T AR1260 3	10.077	0.0	34975.639	4.3876	ng/ml	100
T AR1260 3 #2	10.468	0.0	276529.282	7.2163	ng/ml	100
T AR1260 4	10.512	0.0	105721.987	26.6676	ng/ml	100
T AR1260 4 #2	10.918	0.0	2478.063	0.1195	ng/ml	100
T AR1260 5	11.338	0.0	242210.565	46.1612	ng/ml	100
T AR1260 5 #2	11.707	0.0	916535.668	29.9801	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

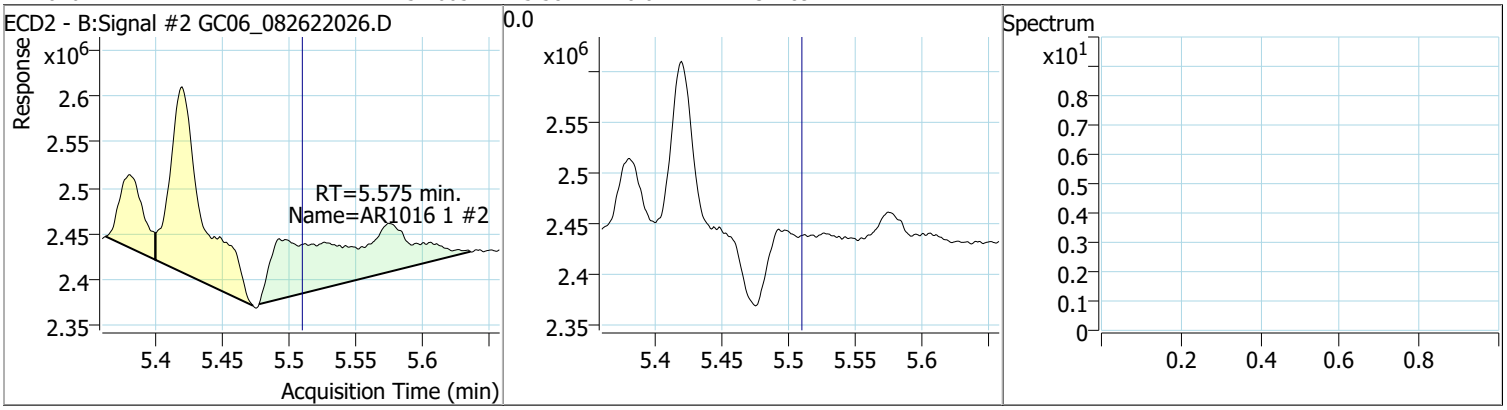
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.3342	5.07	0.00	14530821				



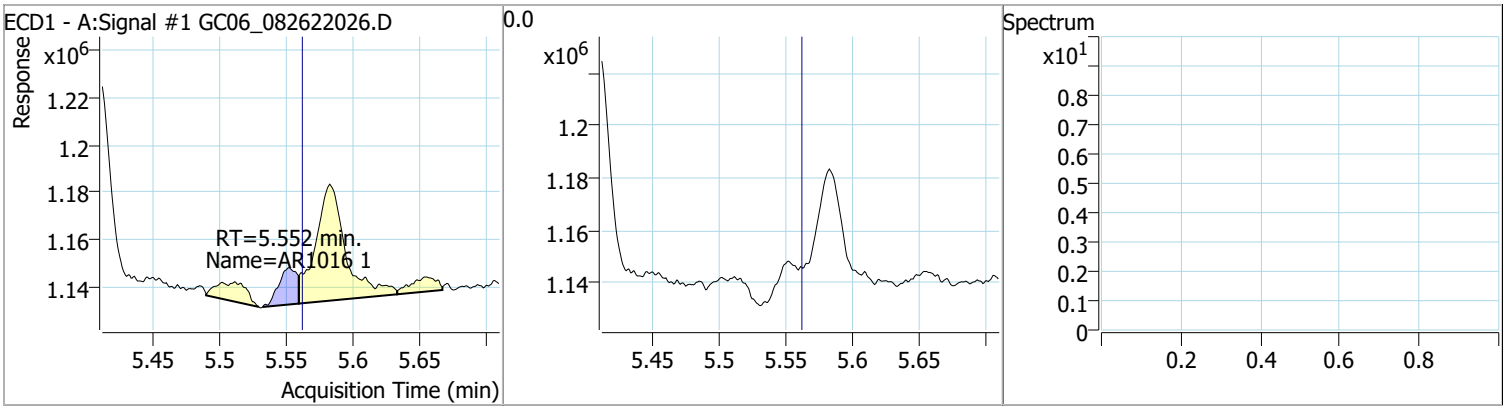
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.0675	5.21	0.00	2972752				



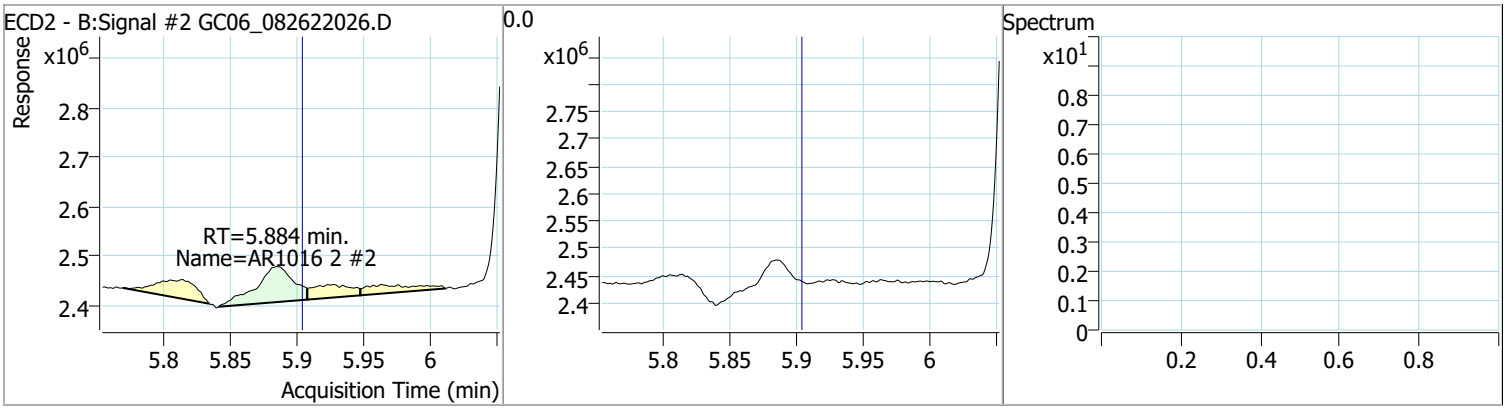
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	45.2665	5.58	0.07	341894				



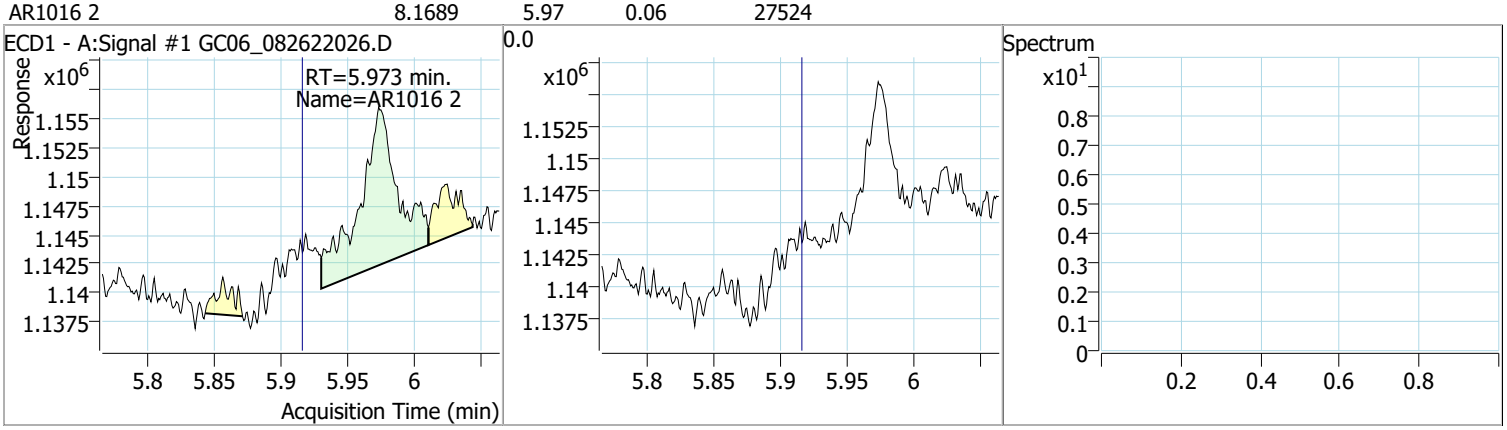
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	9.4646	5.55	-0.01	14646				



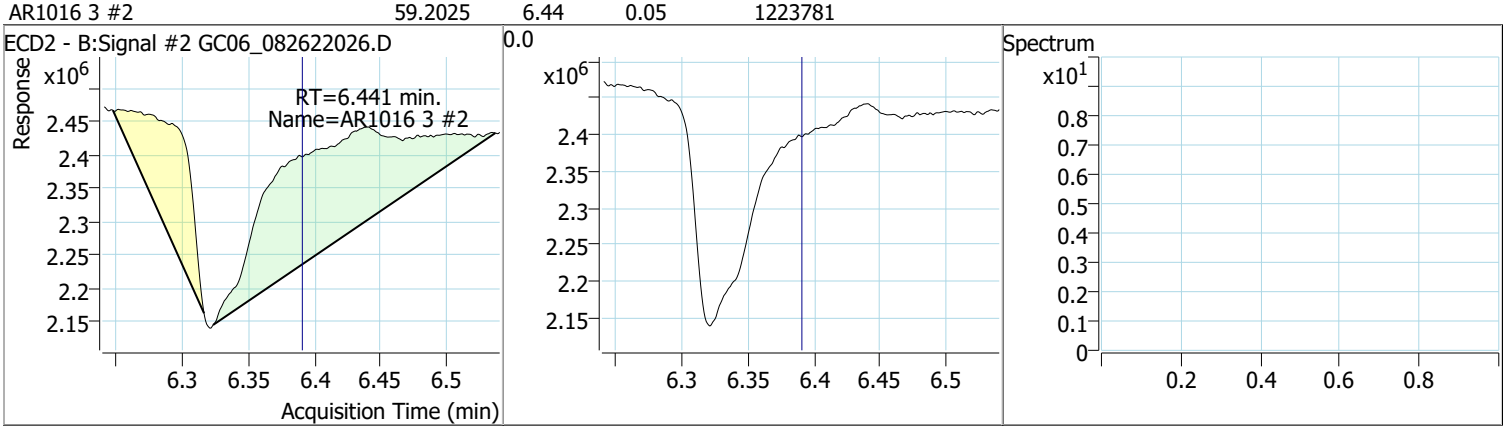
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	9.1197	5.88	-0.02	142943				



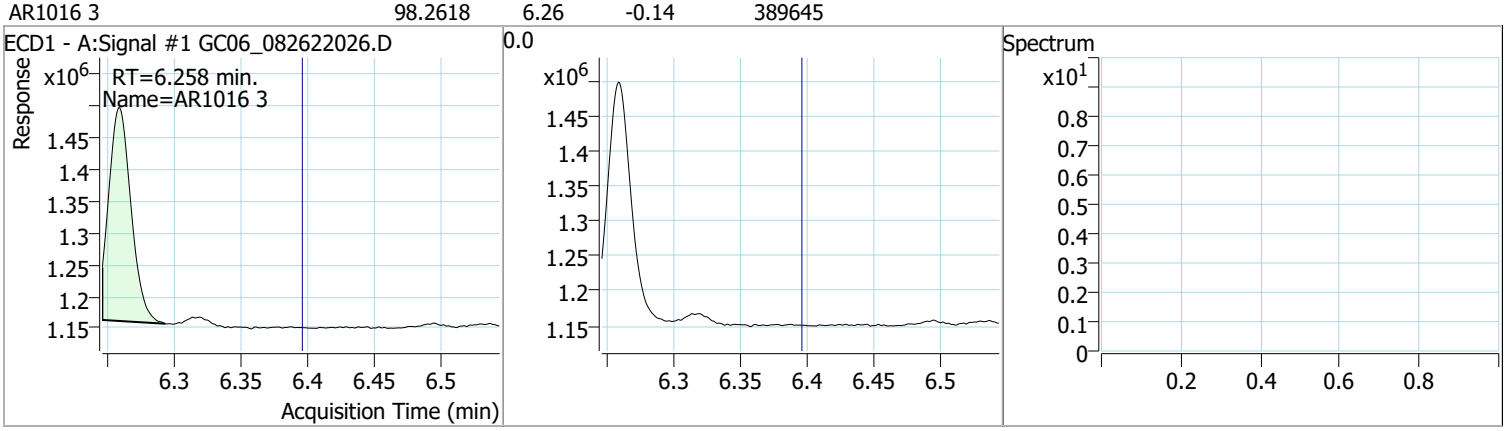
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	8.1689	5.97	0.06	27524				



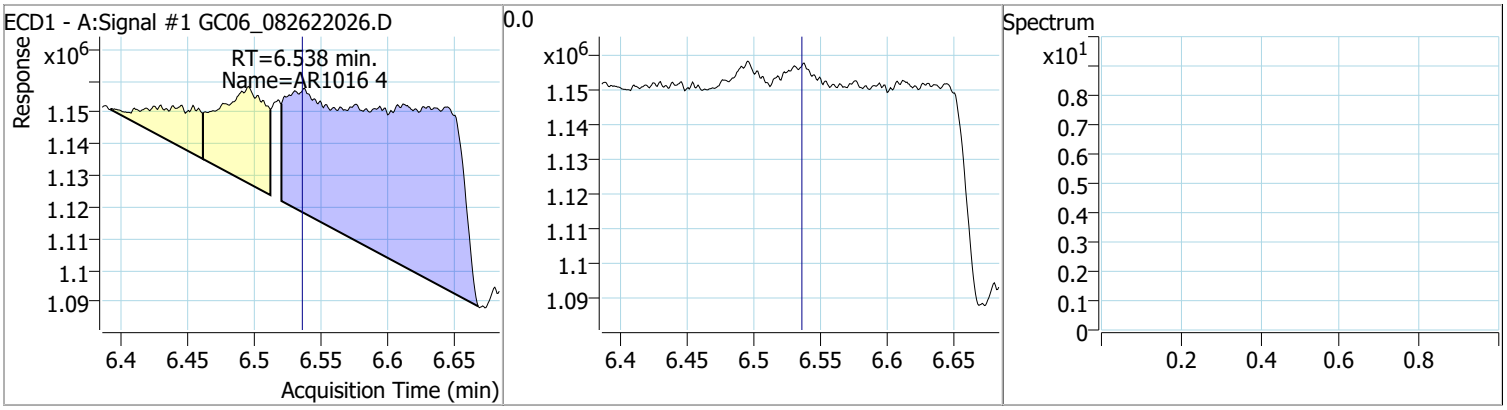
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	59.2025	6.44	0.05	1223781				



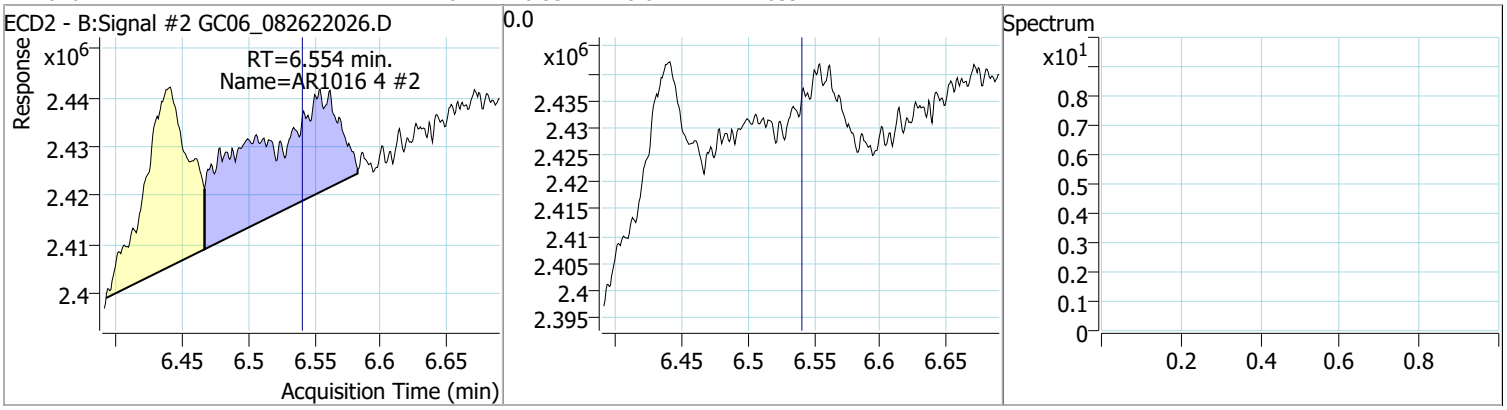
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	98.2618	6.26	-0.14	389645				



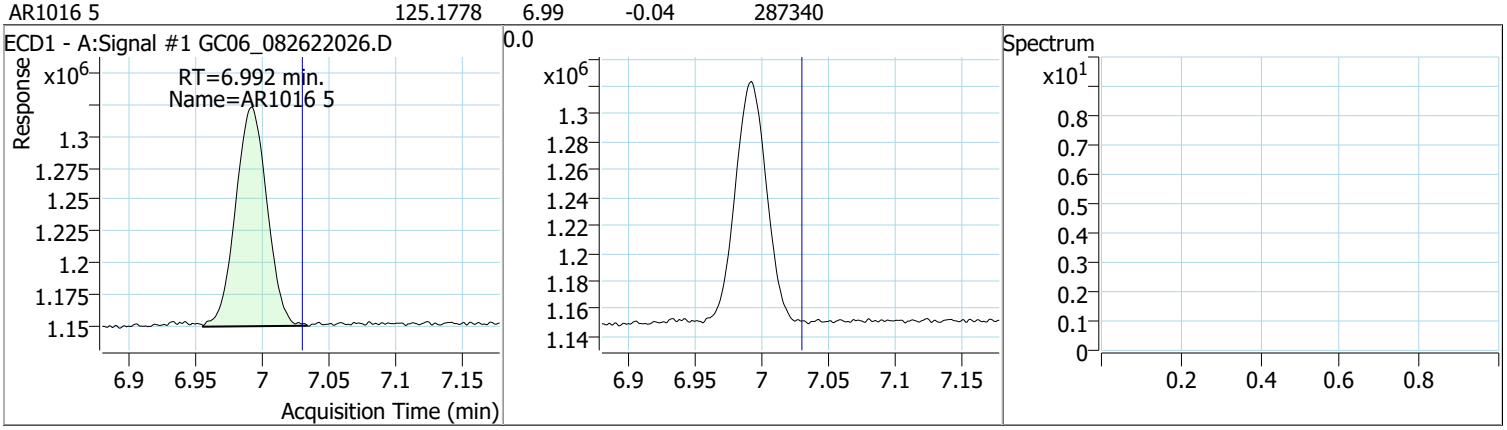
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	129.0080	6.54	0.00	382824				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	7.4140	6.55	0.01	103974				

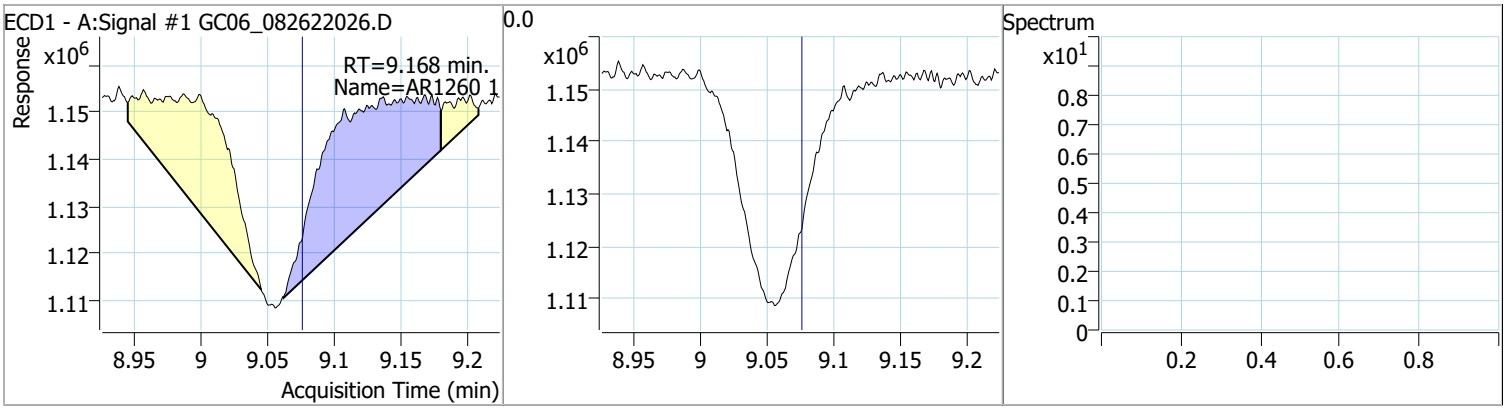


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	125.1778	6.99	-0.04	287340				

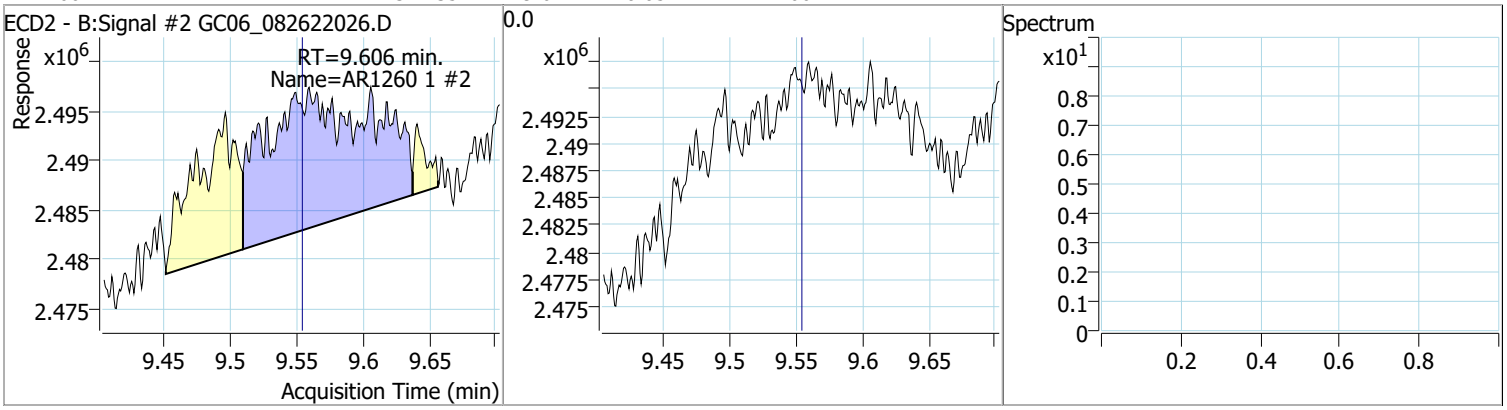


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.8252	7.32	0.00	20012				

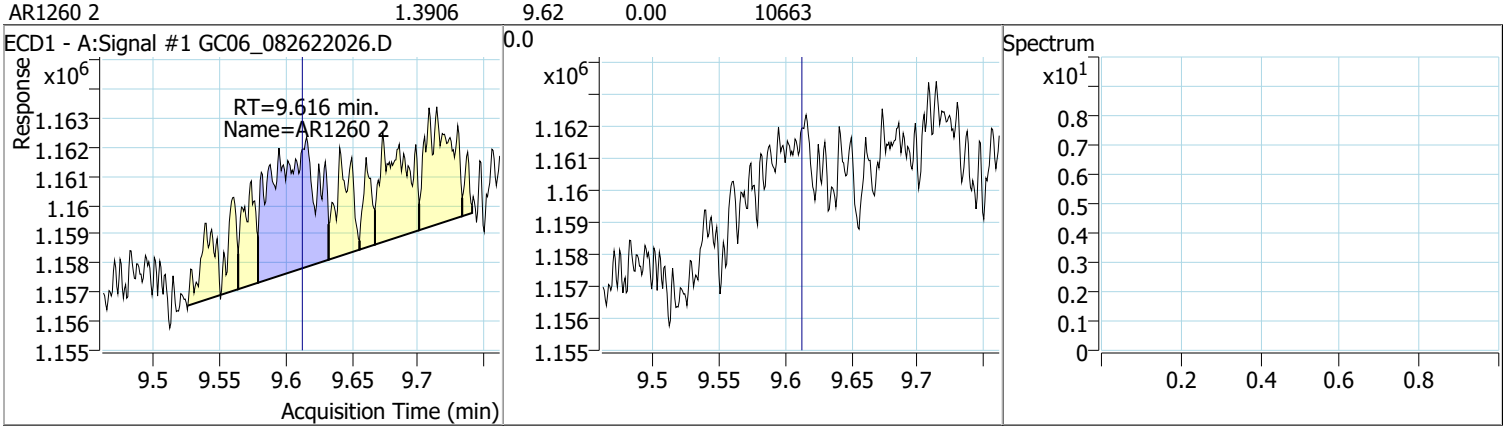
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	25.8705	9.17	0.09	128796				



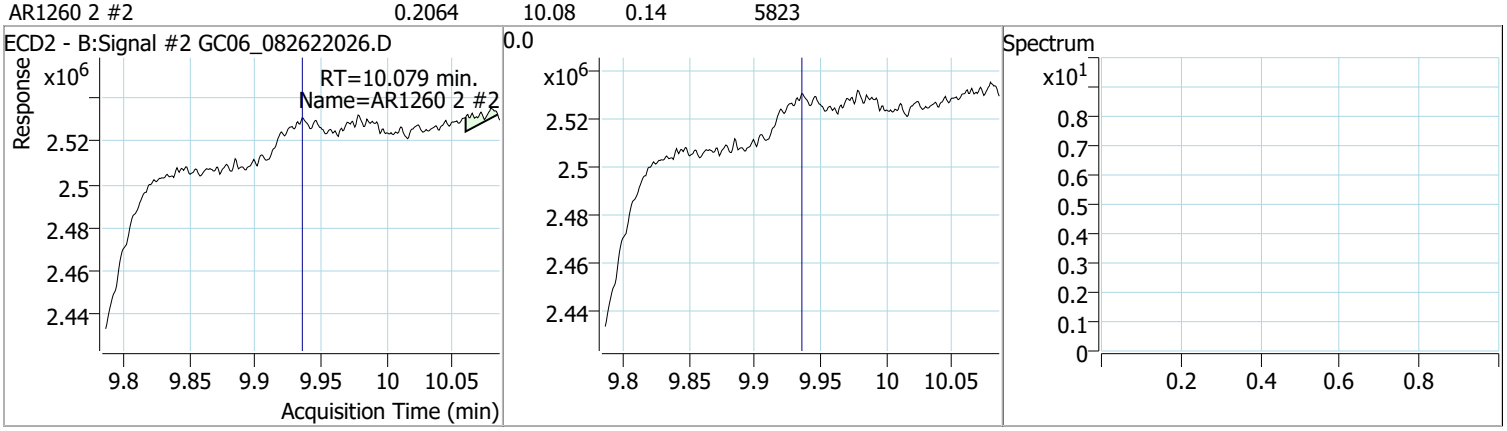
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	3.1735	9.61	0.05	77466				



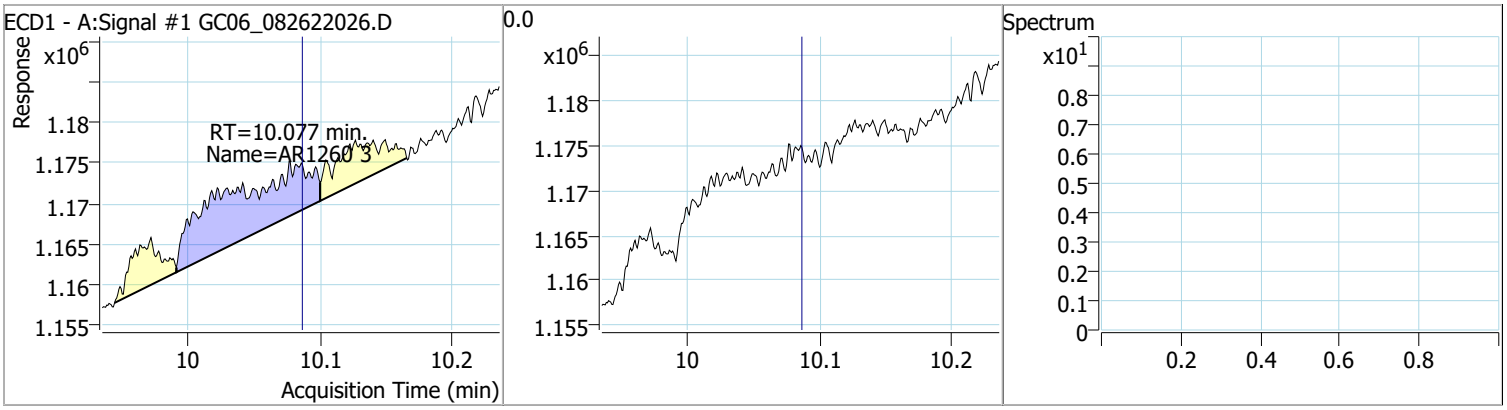
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.3906	9.62	0.00	10663				



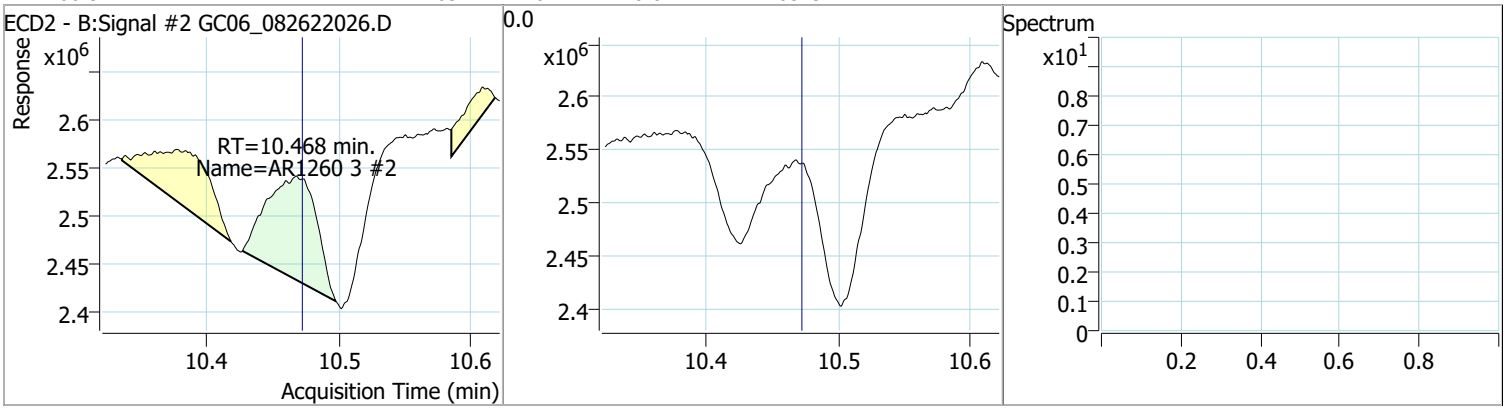
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.2064	10.08	0.14	5823				



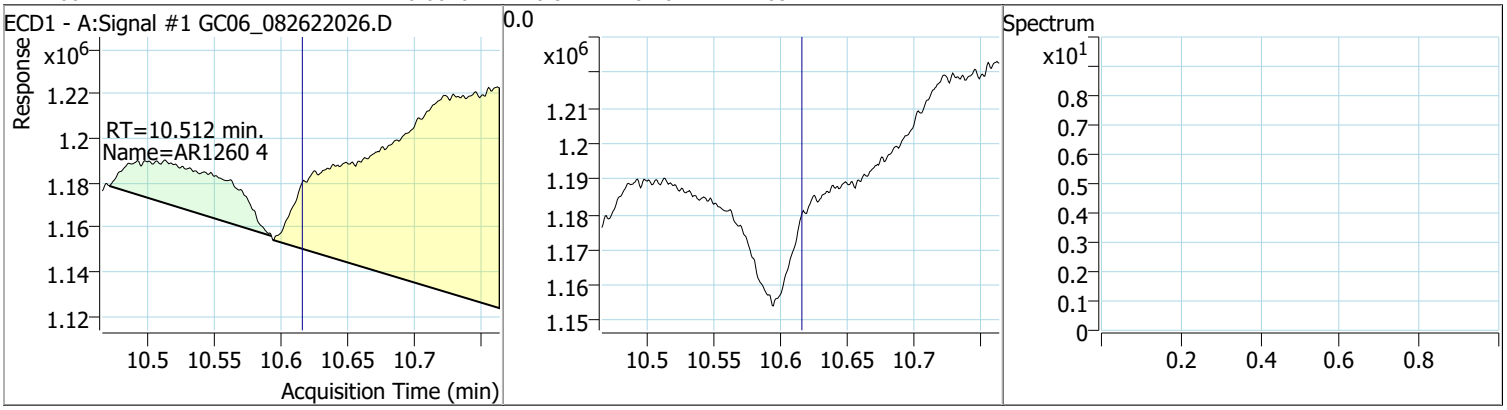
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	4.3876	10.08	-0.01	34976				



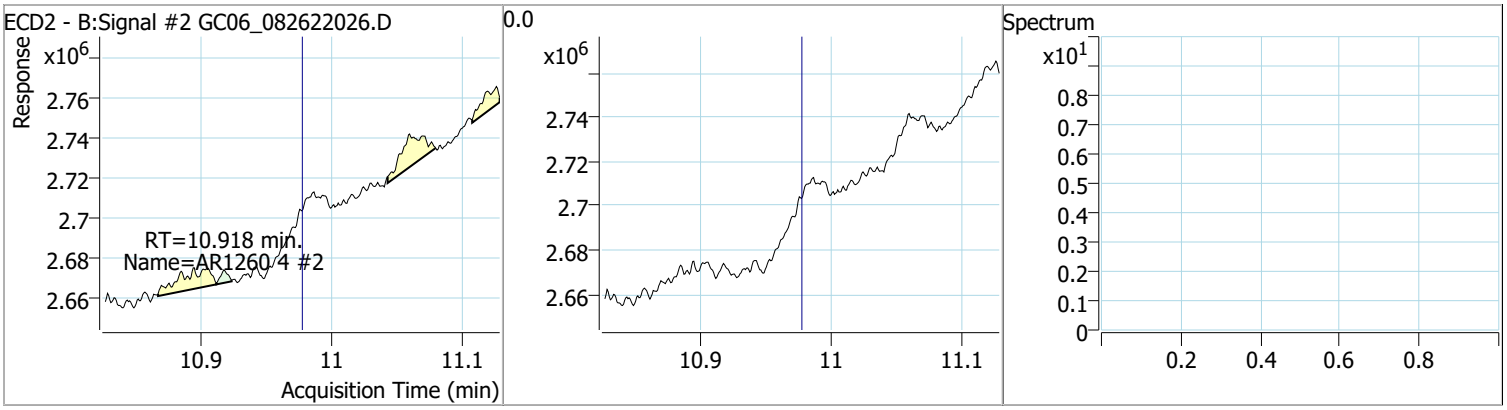
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.2163	10.47	-0.01	276529				



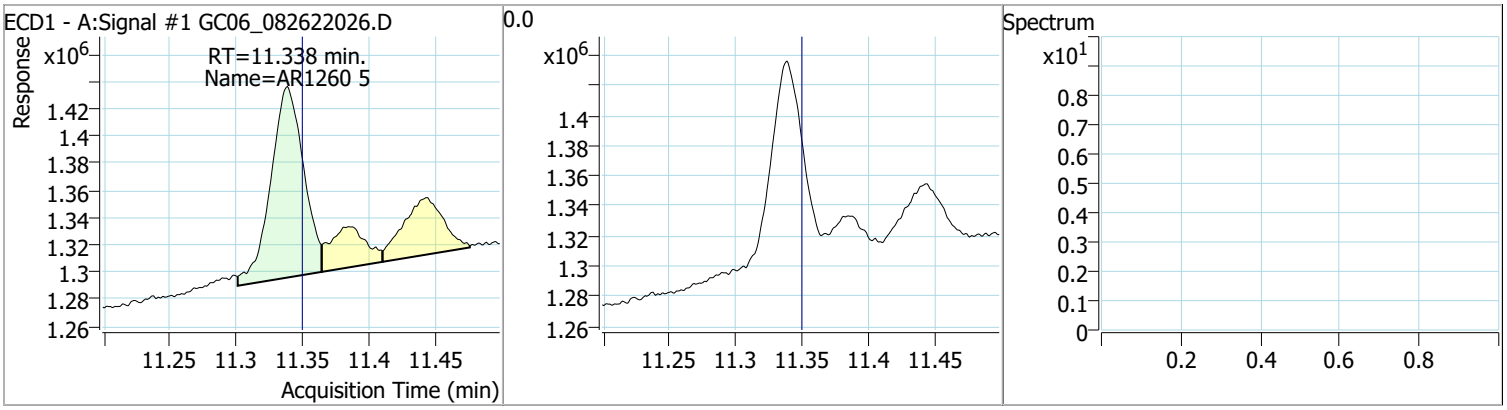
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	26.6676	10.51	-0.10	105722				



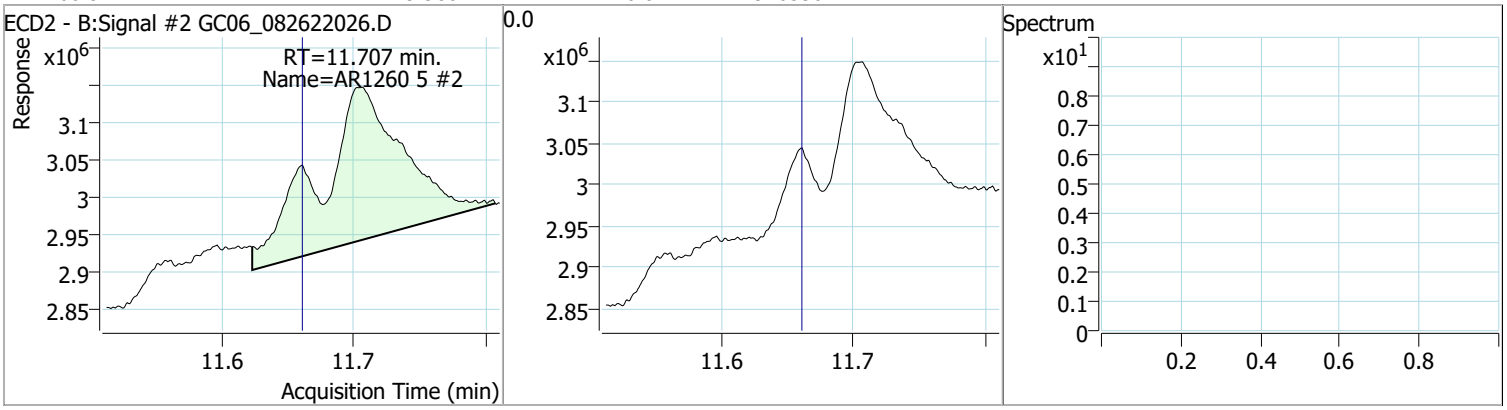
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.1195	10.92	-0.06	2478				



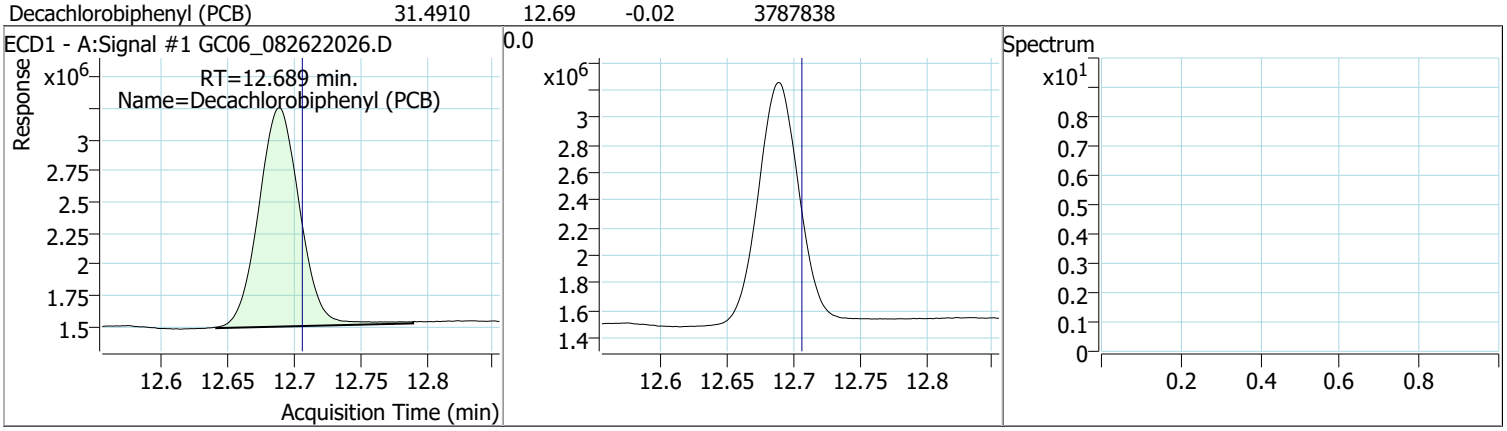
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	46.1612	11.34	-0.01	242211				



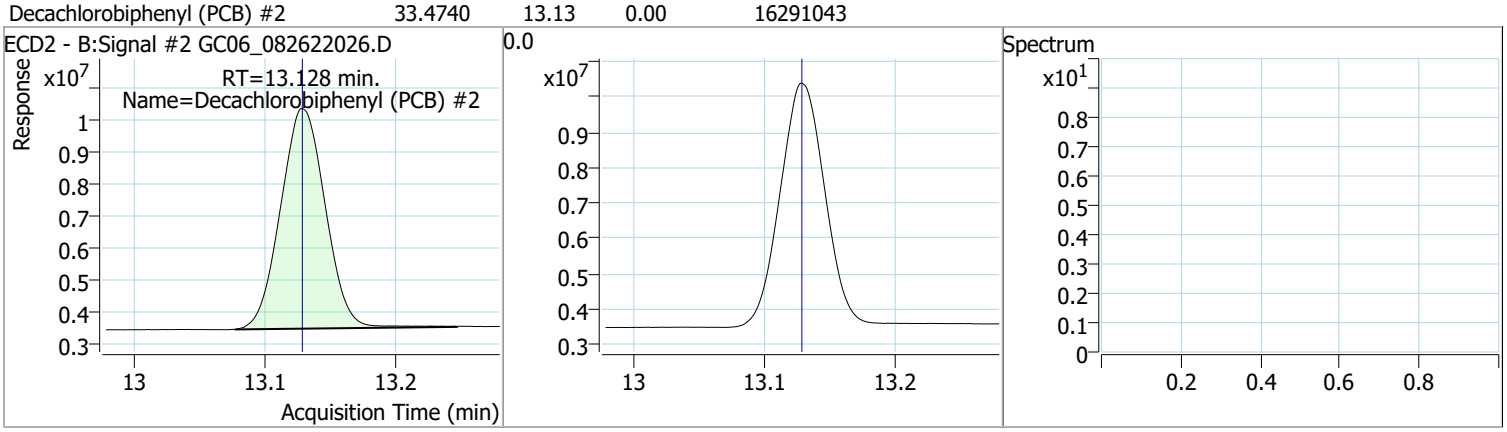
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	29.9801	11.71	0.04	916536				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	31.4910	12.69	-0.02	3787838				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	33.4740	13.13	0.00	16291043				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467872-044	Client ID:	220823-P-MEDBLANK1
Seqnum:	452343556027	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622027	Batch:	295632	Time:	26-AUG-2022 21:21
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	47.17	ND	0.27	111%	1.0		u
Aroclor-1016 Peak # 1	A	31.29	0.63	0.45	32%			
Aroclor-1016 Peak # 2	A	4.243	0.08	0.27	103%			
Aroclor-1016 Peak # 3	A	4.215	0.08	0.50	142%			
Aroclor-1016 Peak # 4	A	72.67	1.45	0.12	169%			
Aroclor-1016 Peak # 5	A	123.4	2.47	0.01	198%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	10.48	ND	0.15	32%	1.0		u
Aroclor-1260 Peak # 1	A	10.88	0.22	0.05	127%			
Aroclor-1260 Peak # 2	A	0.7740	0.02	0.24	176%			
Aroclor-1260 Peak # 3	A	2.141	0.04	0.09	75%			
Aroclor-1260 Peak # 4	A	25.24	0.50	0.02	185%			
Aroclor-1260 Peak # 5	A	13.37	0.27	0.36	29%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	37.32	1.000	0.7463	75	52-186	c+ u
Decachlorobiphenyl (PCB)	B	25.88	1.000	0.5177	52	50-150	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	16256538	97.80
1-bromo-2-nitrobenzene (PCB)	A	1919479	3118391	62.46

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

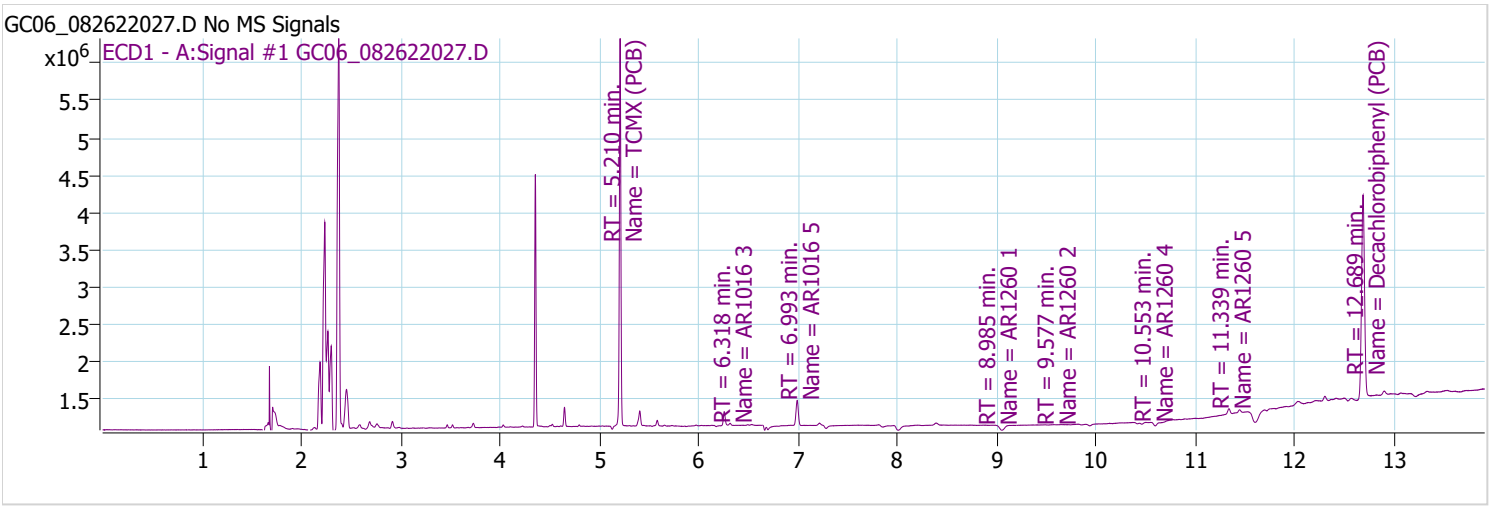
ISTD (CCV gc06_082622002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

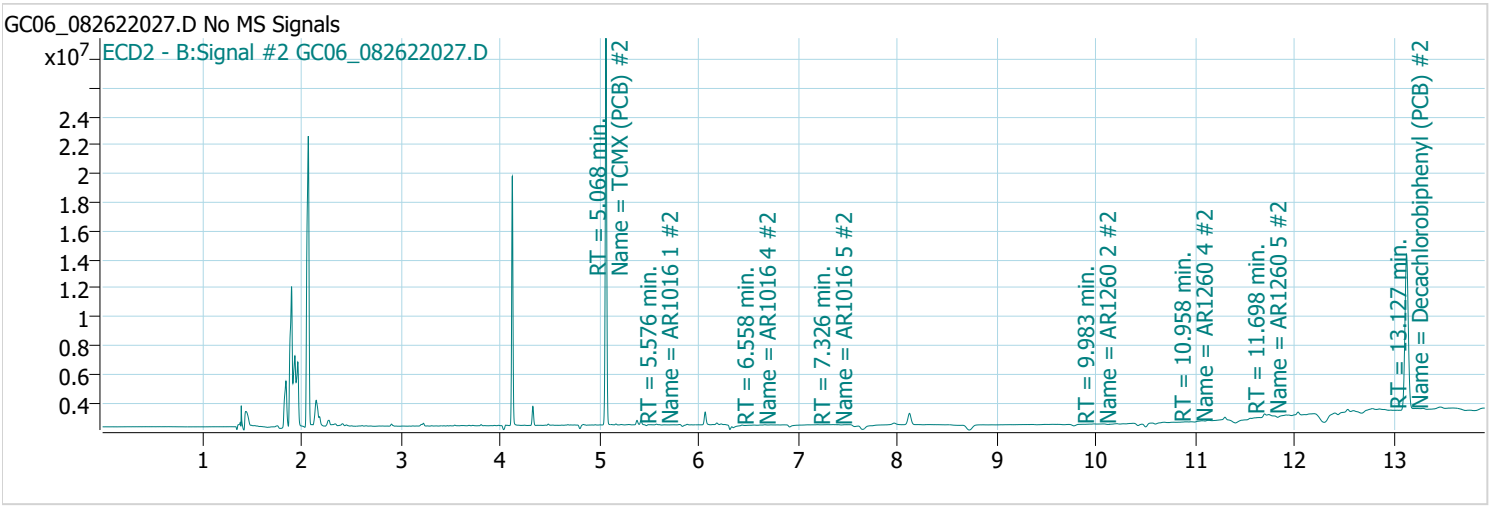
Analyst: TRN 08/29/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622027.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 9:21:38 PM
Sample Name	467872-044, 295632, 1	Instrument	SVOA-GC06
Vial	17	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



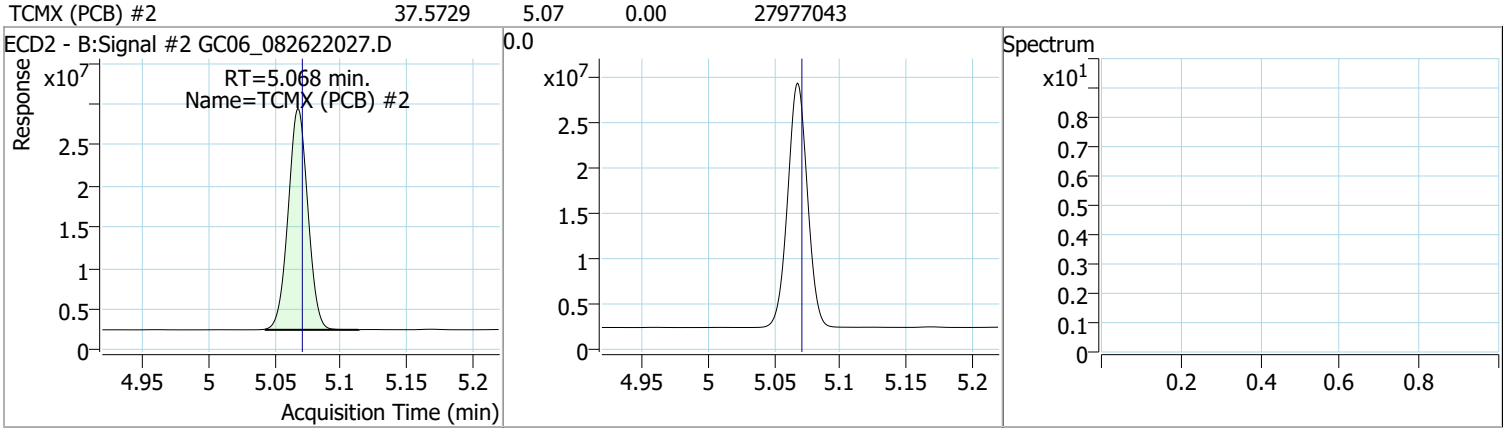


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	16256538.350	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.357	0.0	3118390.882	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB) #2	5.068	0.0	27977042.818	37.5729	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.86%		*	
S TCMX (PCB)	5.210	0.0	5595994.671	37.3077	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 186.54%		*	
S Decachlorobiphenyl (PCB)	12.689	0.0	5761288.147	24.2985	ng/ml		-0.017
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 121.49%			
S Decachlorobiphenyl (PCB) #2	13.127	0.0	25383623.157	25.8765	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 129.38%			
Target Compounds							QValue

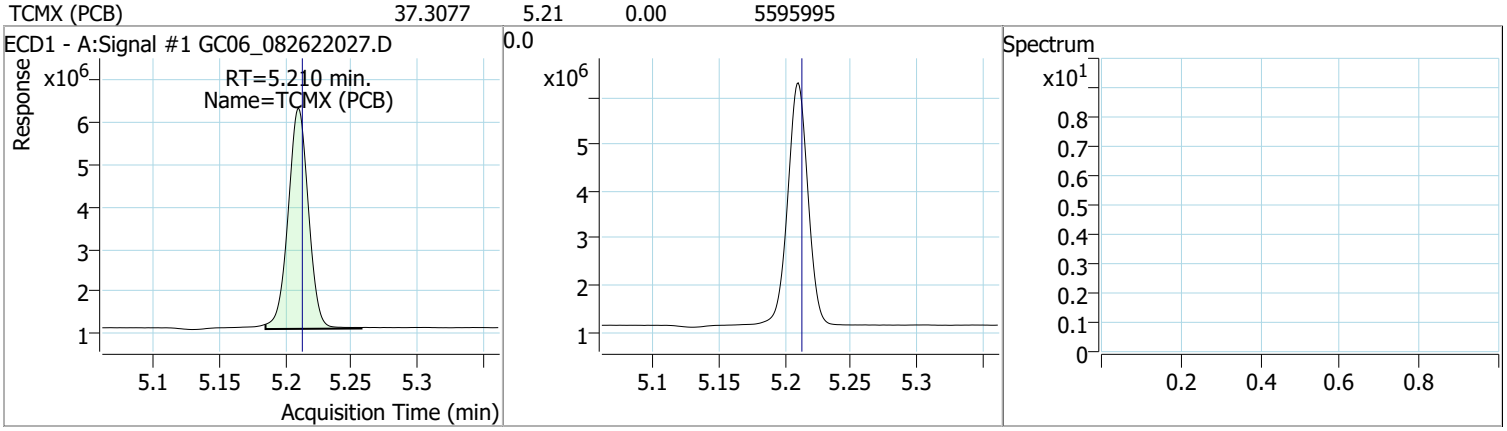
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.576	0.0	345640.361	22.7040	ng/ml	100
T AR1016 1	5.583	0.0	95433.052	31.2861	ng/ml	100
T AR1016 2 #2	5.886	0.0	420444.351	13.3081	ng/ml	100
T AR1016 2	5.973	0.0	28174.684	4.2421	ng/ml	100
T AR1016 3 #2	6.442	0.0	1038922.745	24.9352	ng/ml	100
T AR1016 3	6.318	0.0	32938.825	4.2139	ng/ml	100
T AR1016 4	6.535	0.0	424985.244	72.6533	ng/ml	100
T AR1016 4 #2	6.558	0.0	172239.941	6.0933	ng/ml	100
T AR1016 5	6.993	0.0	558333.668	123.3929	ng/ml	100
T AR1016 5 #2	7.326	0.0	11973.822	0.5418	ng/ml	100
T AR1260 1	8.985	0.0	106758.795	10.8786	ng/ml	100
T AR1260 1 #2	9.565	0.0	120433.142	2.4477	ng/ml	100
T AR1260 2	9.577	0.0	11696.287	0.7738	ng/ml	100
T AR1260 2 #2	9.983	0.0	676039.284	11.8914	ng/ml	100
T AR1260 3	10.139	0.0	33641.044	2.1409	ng/ml	100
T AR1260 3 #2	10.461	0.0	363013.381	4.6999	ng/ml	100
T AR1260 4	10.553	0.0	197221.749	25.2370	ng/ml	100
T AR1260 4 #2	10.958	0.0	41527.679	0.9936	ng/ml	100
T AR1260 5	11.339	0.0	138233.832	13.3648	ng/ml	100
T AR1260 5 #2	11.698	0.0	1097332.786	17.8080	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

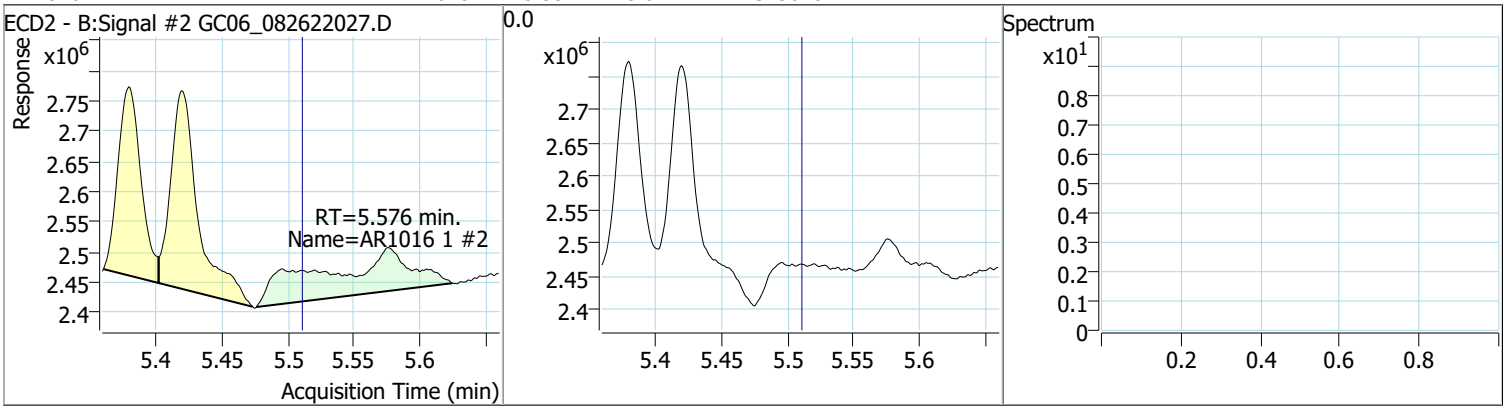
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.5729	5.07	0.00	27977043				



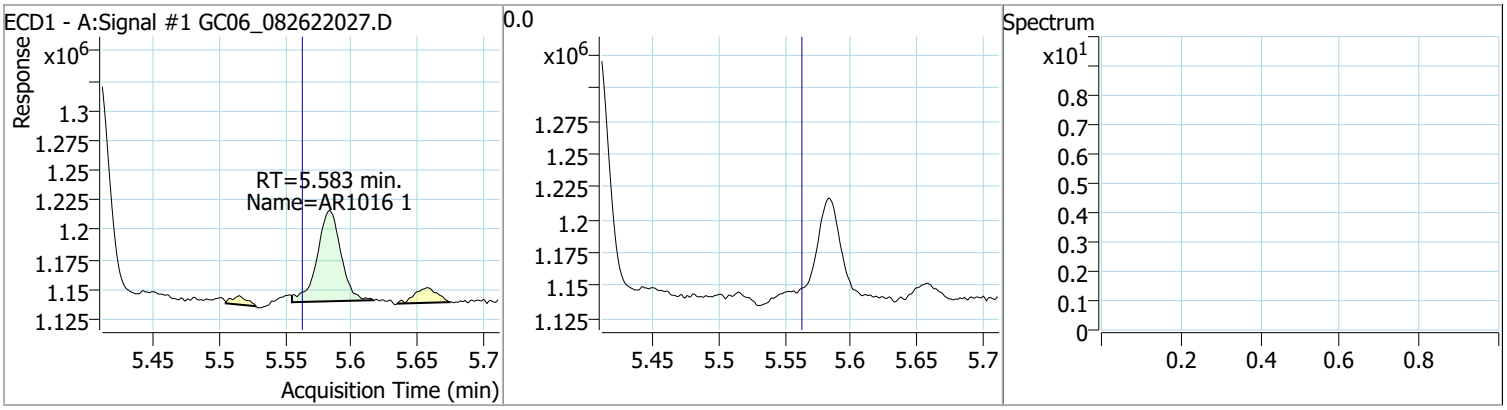
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.3077	5.21	0.00	5595995				



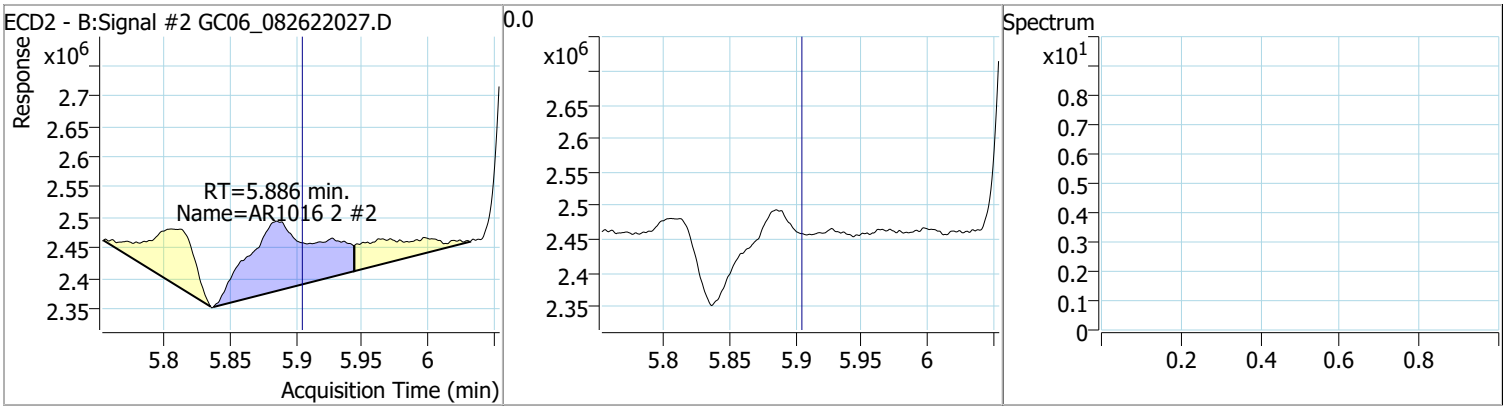
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	22.7040	5.58	0.07	345640				



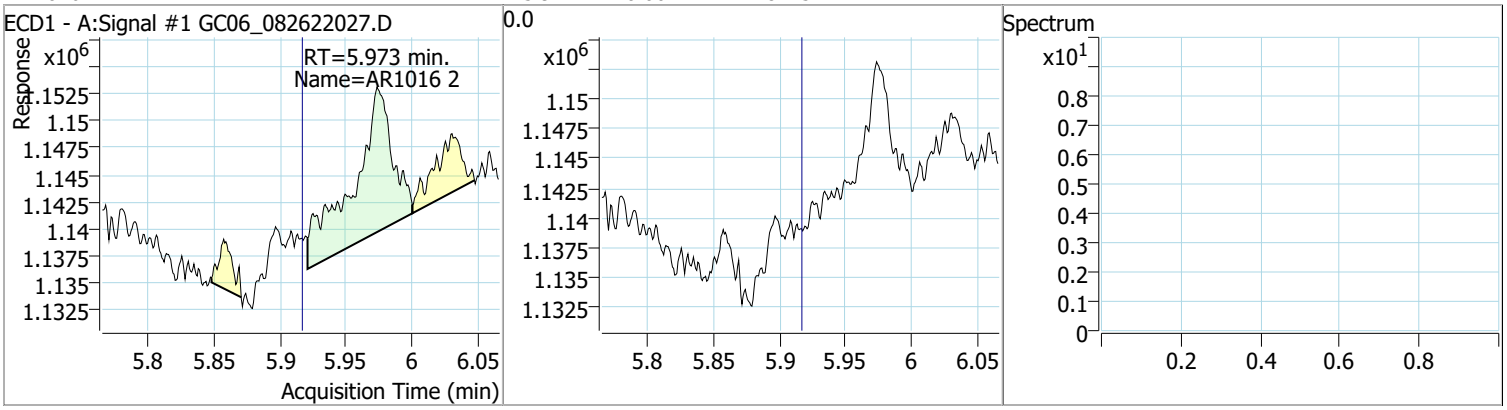
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	31.2861	5.58	0.02	95433				



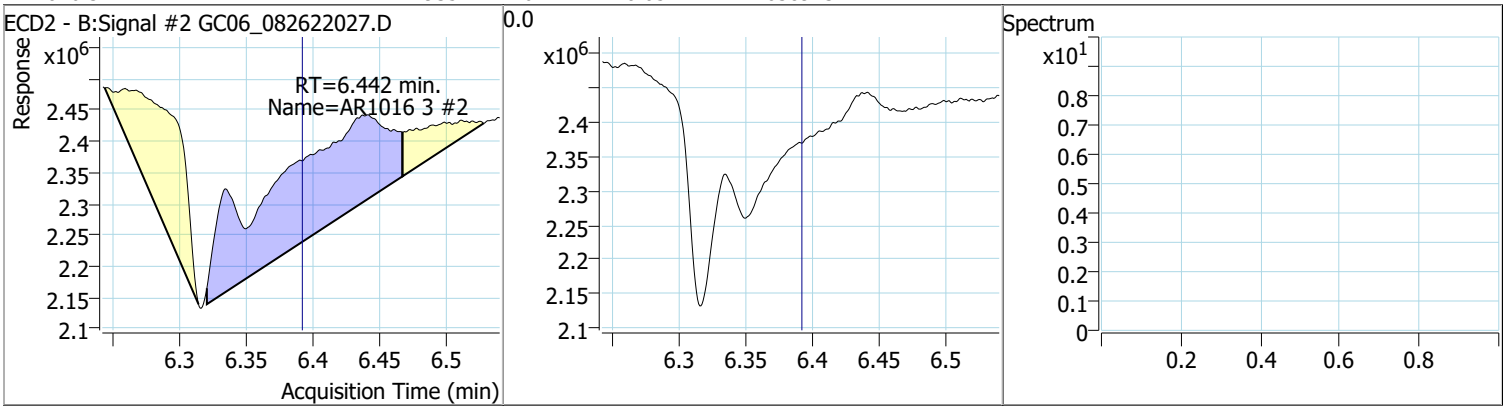
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	13.3081	5.89	-0.02	420444				



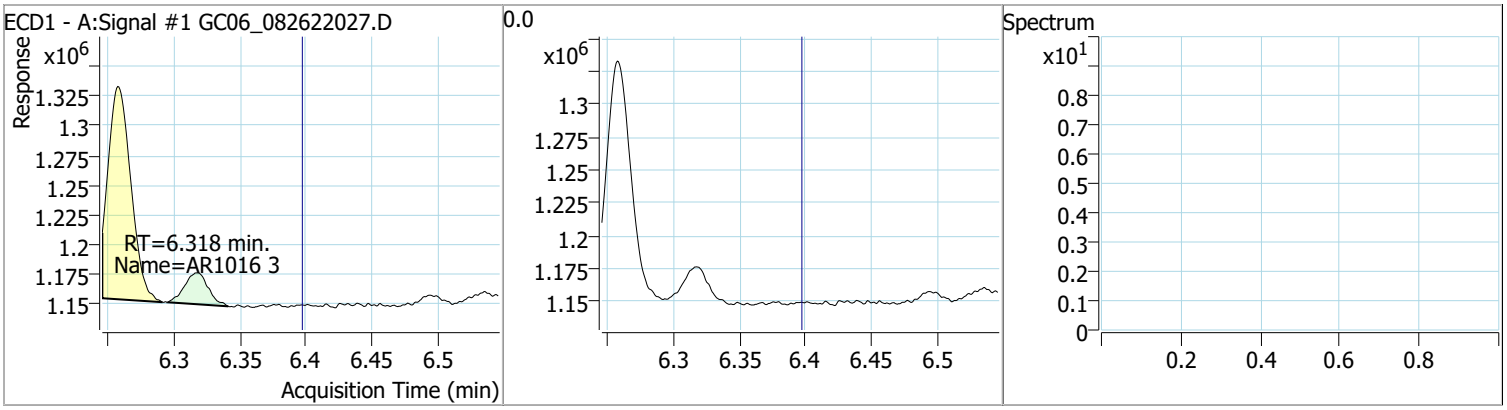
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	4.2421	5.97	0.06	28175				



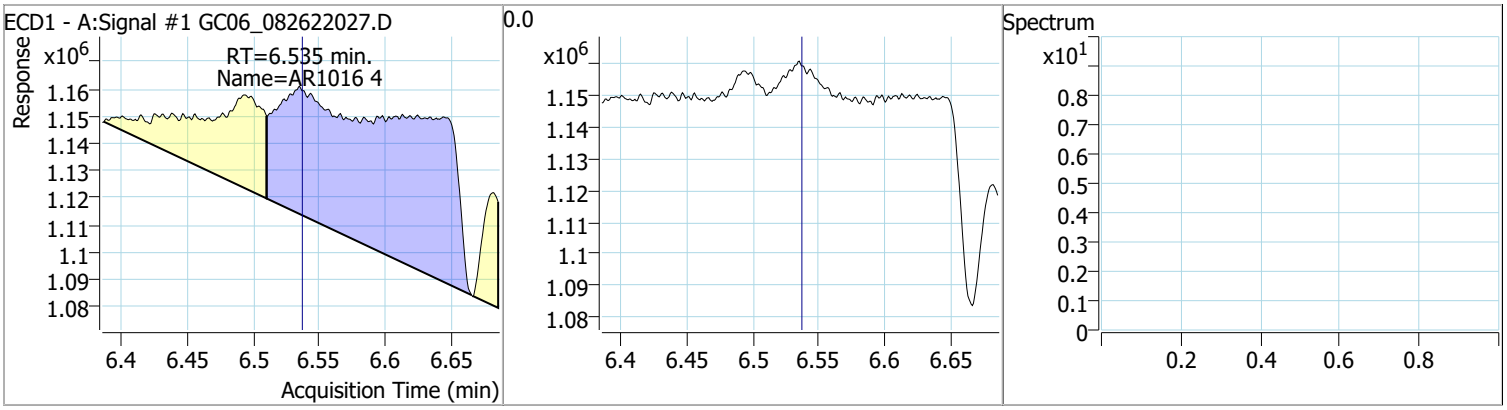
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	24.9352	6.44	0.05	1038923				



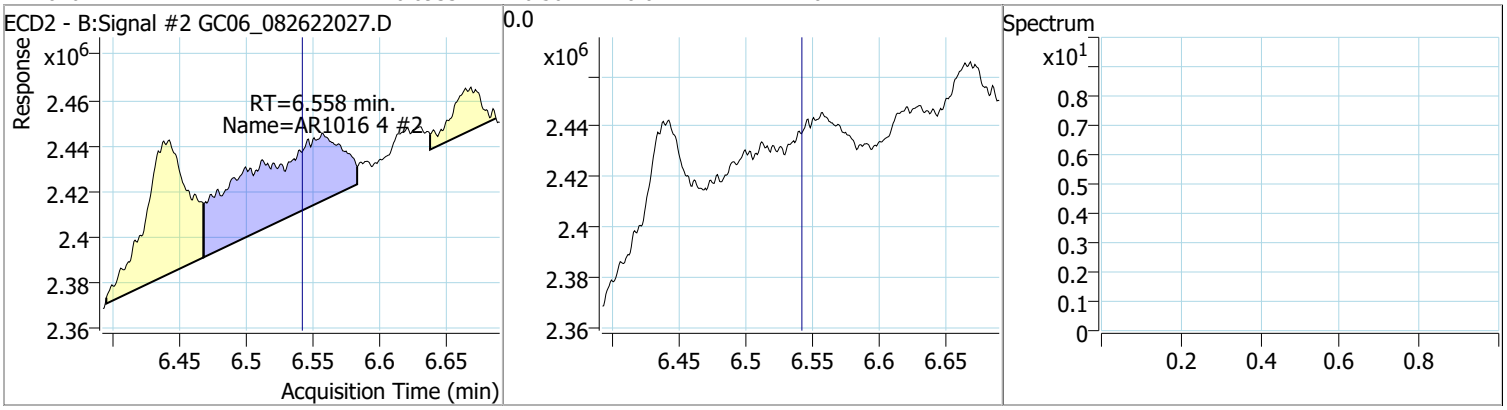
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	4.2139	6.32	-0.08	32939				



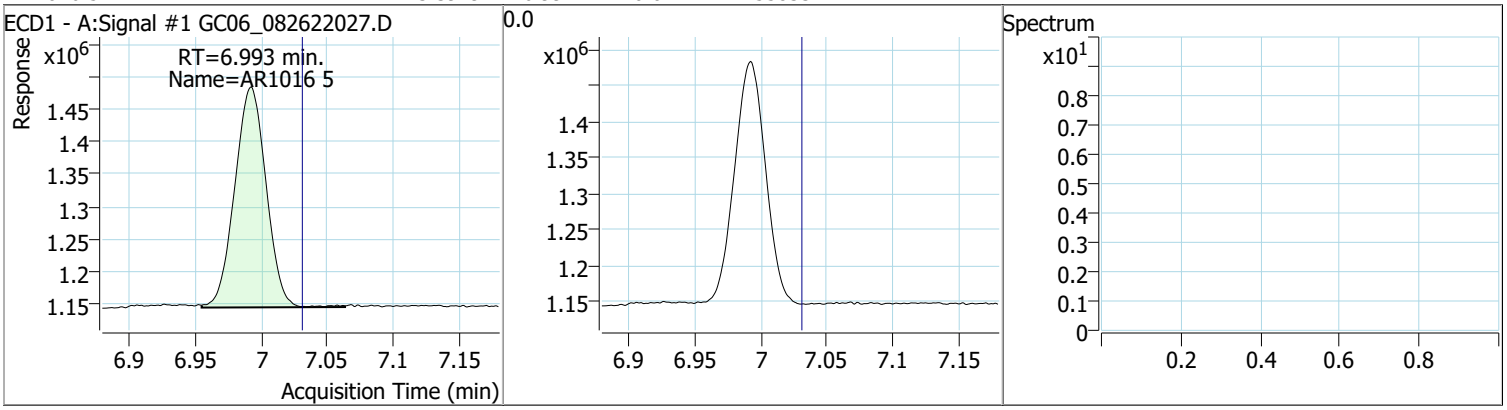
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	72.6533	6.54	0.00	424985				



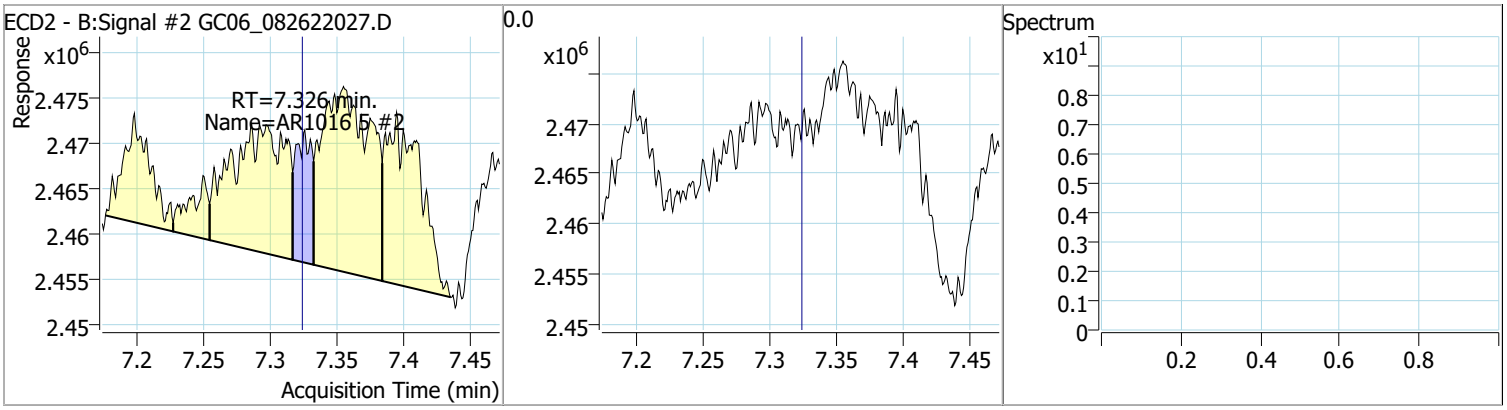
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	6.0933	6.56	0.02	172240				



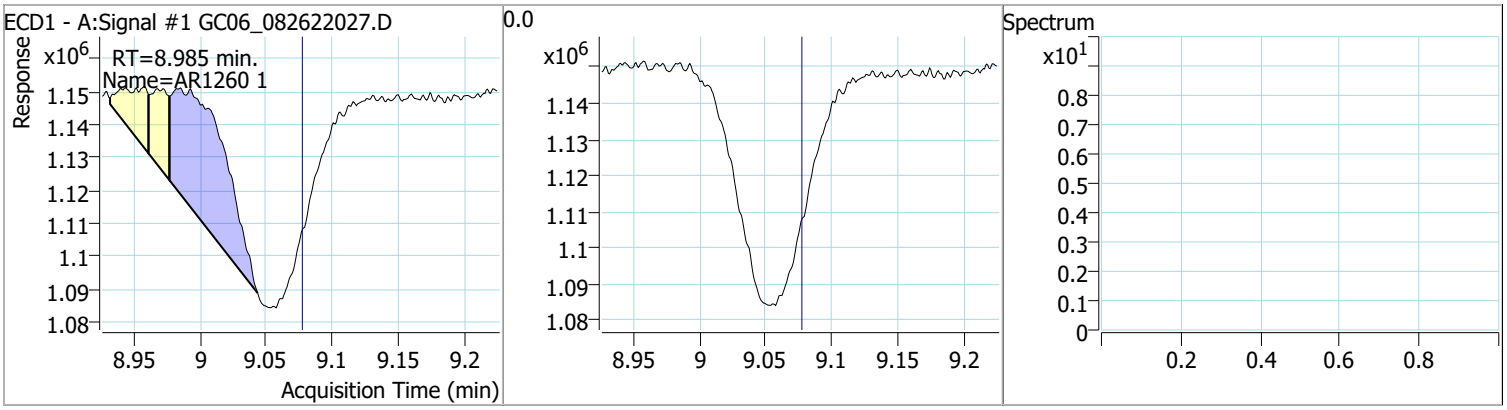
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	123.3929	6.99	-0.04	558334				



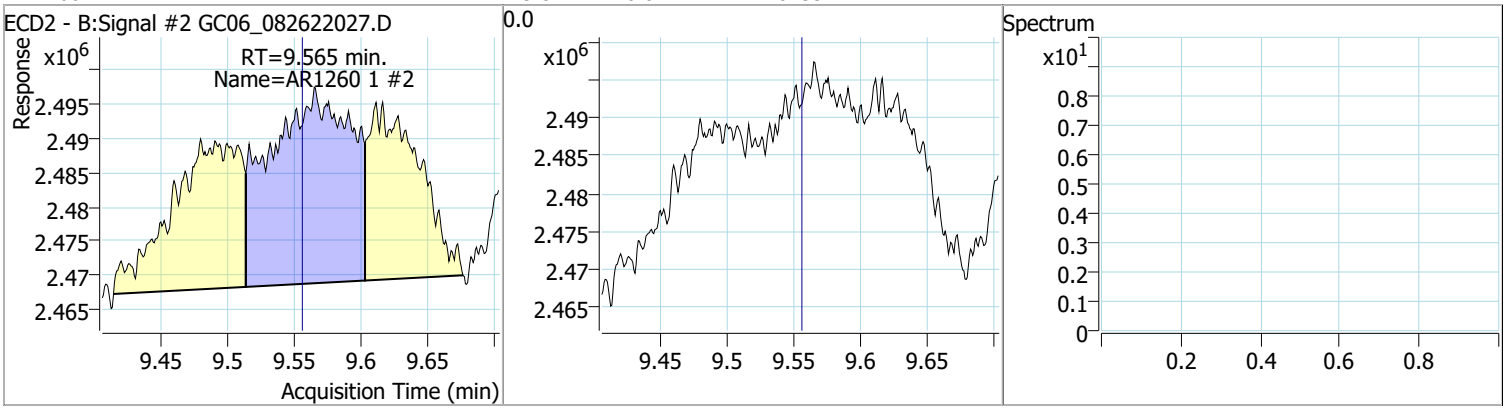
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.5418	7.33	0.00	11974				



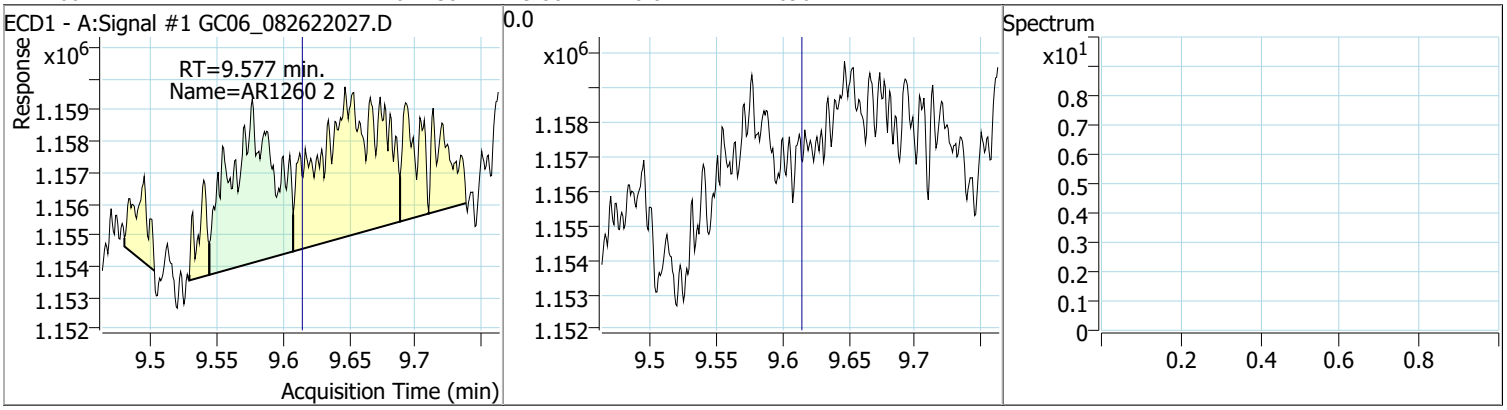
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	10.8786	8.99	-0.09	106759				



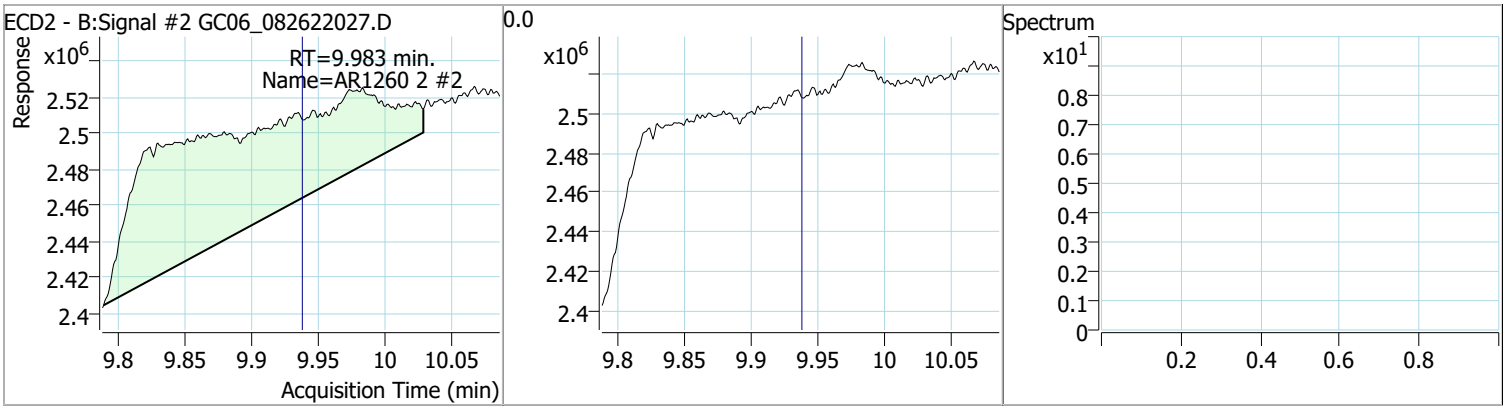
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	2.4477	9.57	0.01	120433				



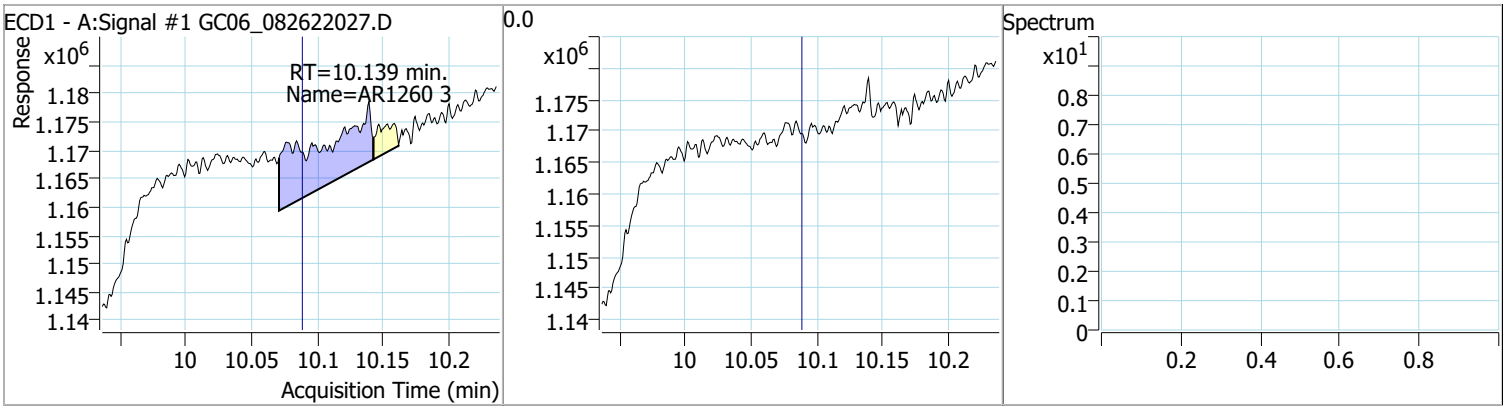
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.7738	9.58	-0.04	11696				



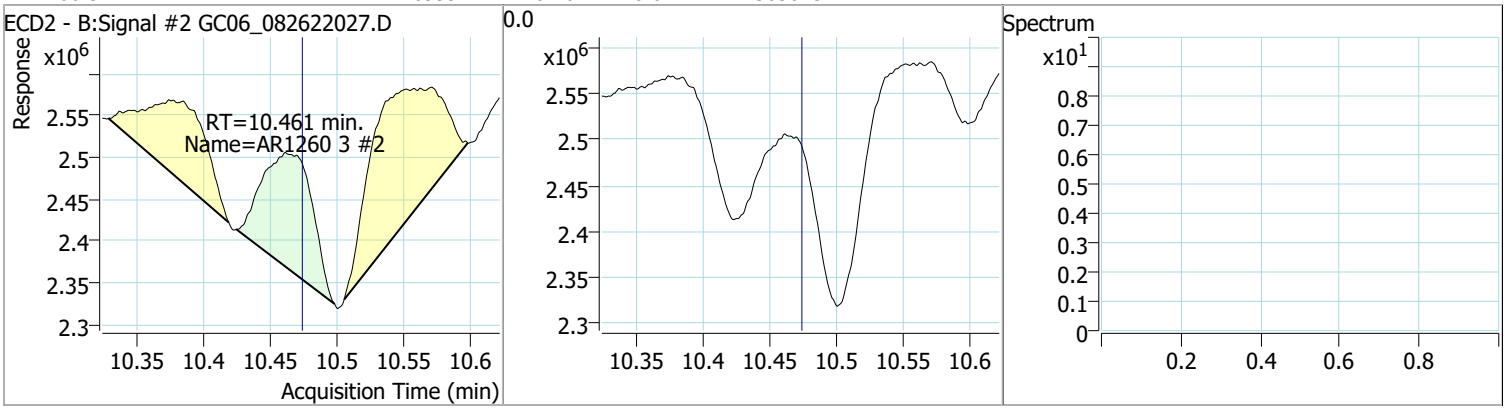
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	11.8914	9.98	0.05	676039				



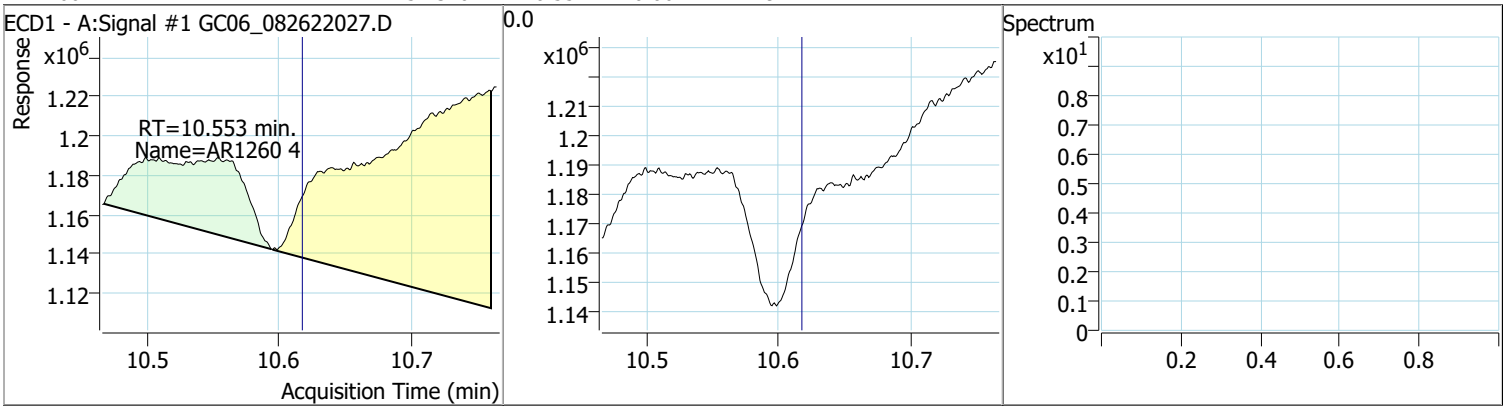
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	2.1409	10.14	0.05	33641				



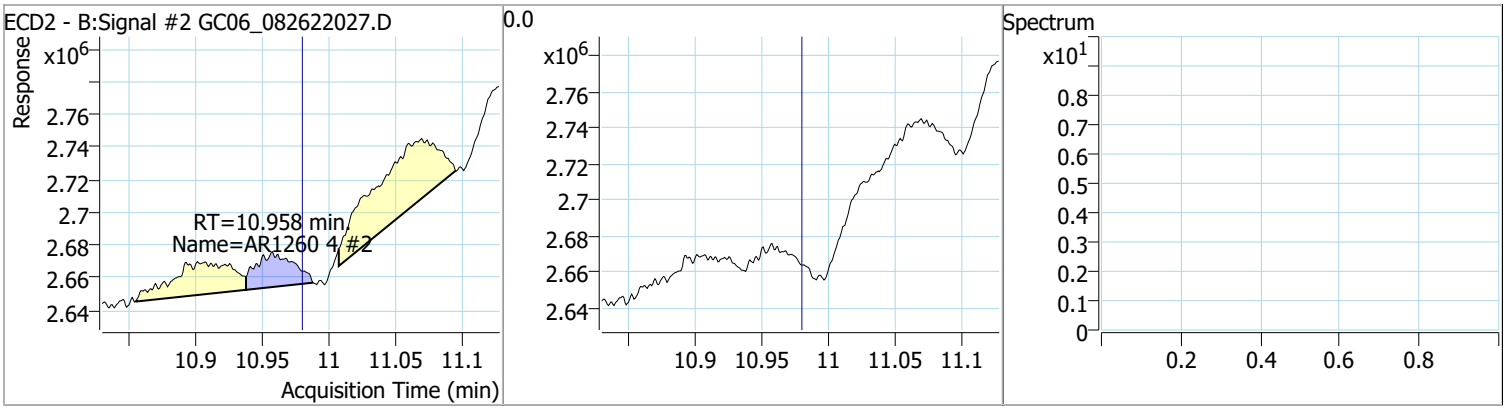
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	4.6999	10.46	-0.01	363013				



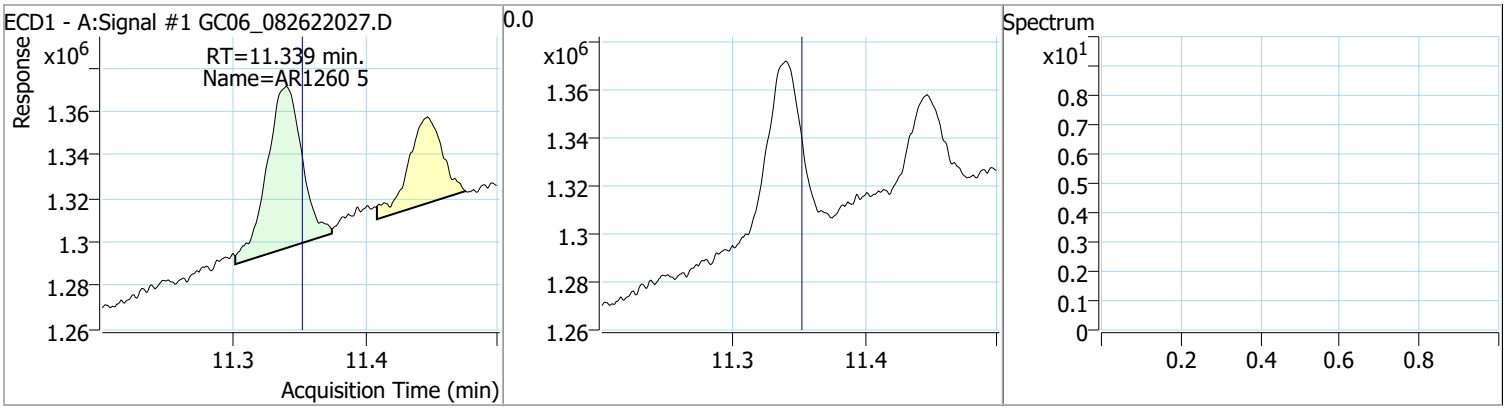
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	25.2370	10.55	-0.06	197222				



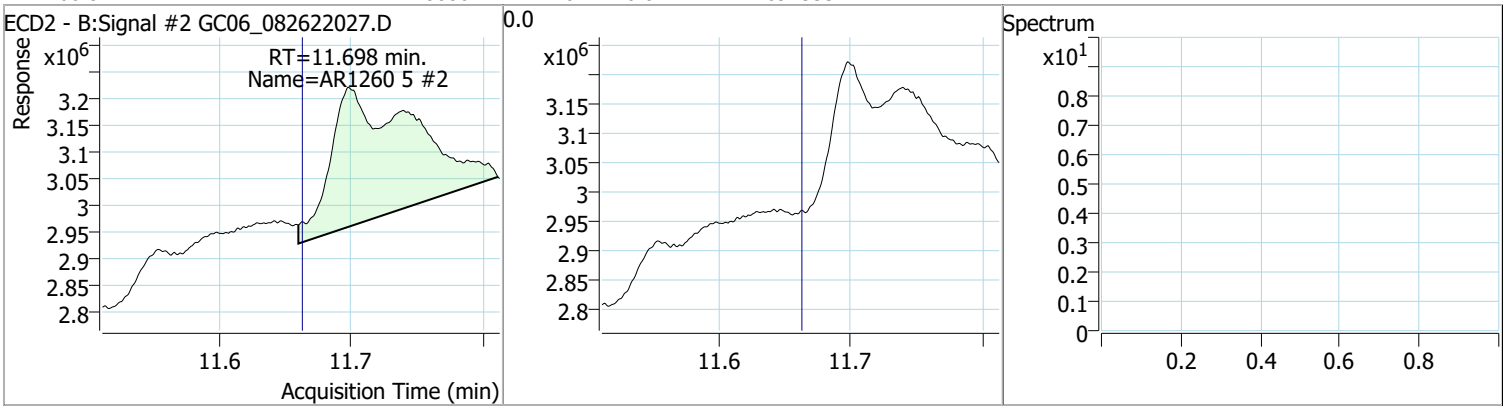
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.9936	10.96	-0.02	41528				



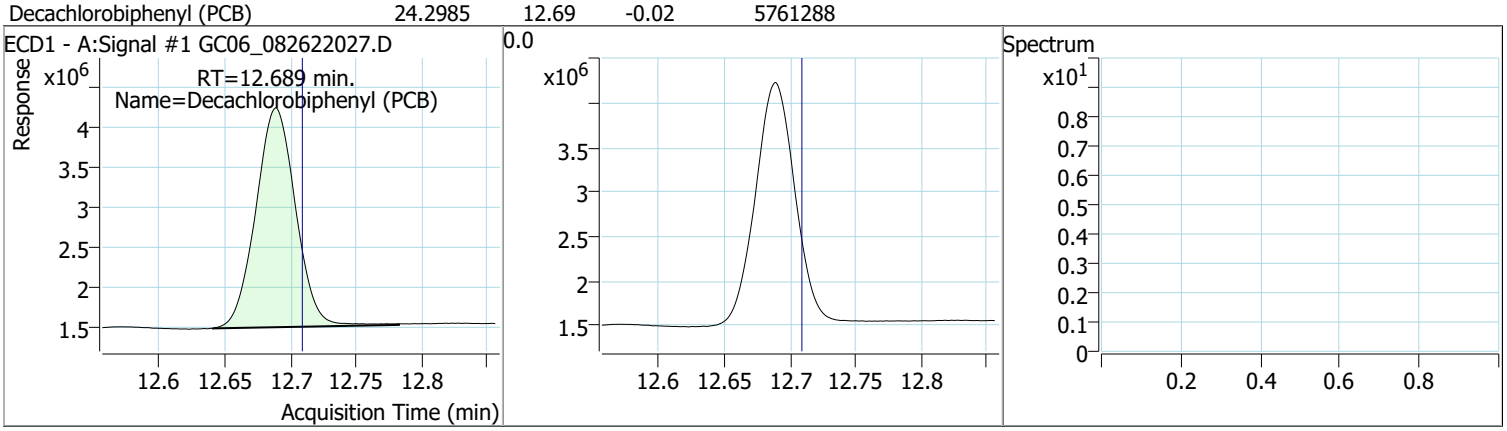
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	13.3648	11.34	-0.01	138234				



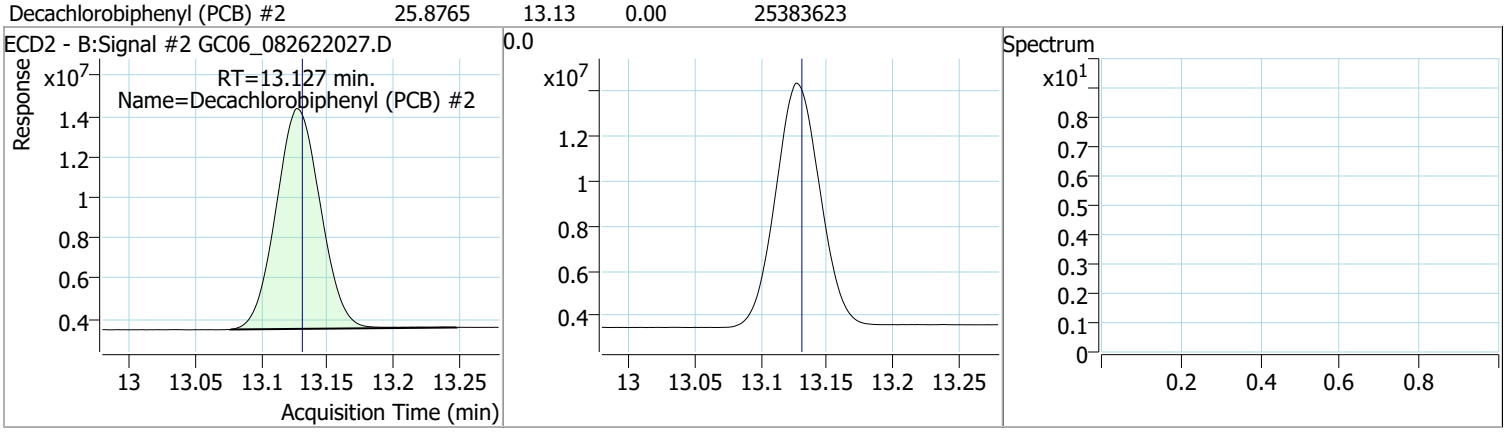
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	17.8080	11.70	0.04	1097333				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	24.2985	12.69	-0.02	5761288				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	25.8765	13.13	0.00	25383623				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467872-046	Client ID:	220823-P-MEDBLANK2
Seqnum:	452343556028	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622028	Batch:	295632	Time:	26-AUG-2022 21:39
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	51.24	~~1.0~~ ~~FP~~	0.36	96%	1.0		x u
Aroclor-1016 Peak # 1	A	2.659	0.05	0.43	156%			
Aroclor-1016 Peak # 2	A	7.628	0.15	0.16	6%			
Aroclor-1016 Peak # 3	A	3.976	0.08	0.99	170%			
Aroclor-1016 Peak # 4	A	164.1	3.28	0.19	178%			
Aroclor-1016 Peak # 5	A	77.83	1.56	0.03	194%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	5.895	ND	0.11	9%	1.0		u
Aroclor-1260 Peak # 1	A	12.37	0.25	0.04	141%			
Aroclor-1260 Peak # 2	A	0.09805	0.00	0.20	196%			
Aroclor-1260 Peak # 3	A	2.125	0.04	0.11	91%			
Aroclor-1260 Peak # 4	A	2.060	0.04	0.06	39%			
Aroclor-1260 Peak # 5	A	12.83	0.26	0.12	73%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	43.54	1.000	0.8707	87	52-186	c+ u
Decachlorobiphenyl (PCB)	A	27.18	1.000	0.5436	54	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	8655156	5.31
1-bromo-2-nitrobenzene (PCB)	A	1919479	1701107	-11.38

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

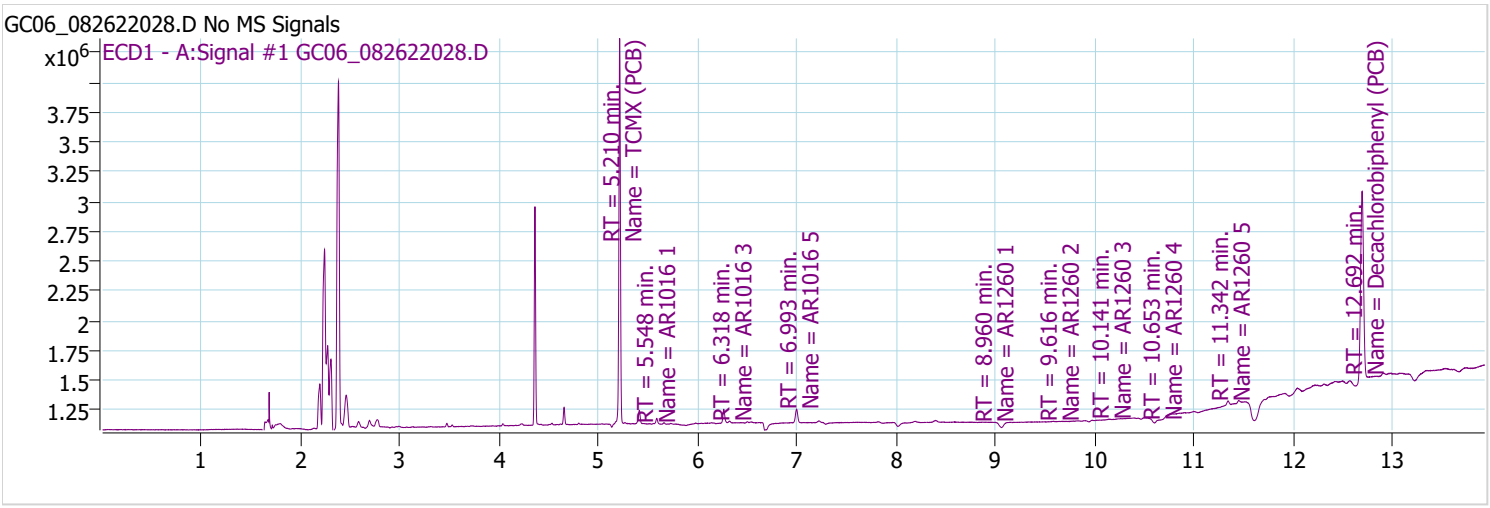
ISTD (CCV gc06_082622002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

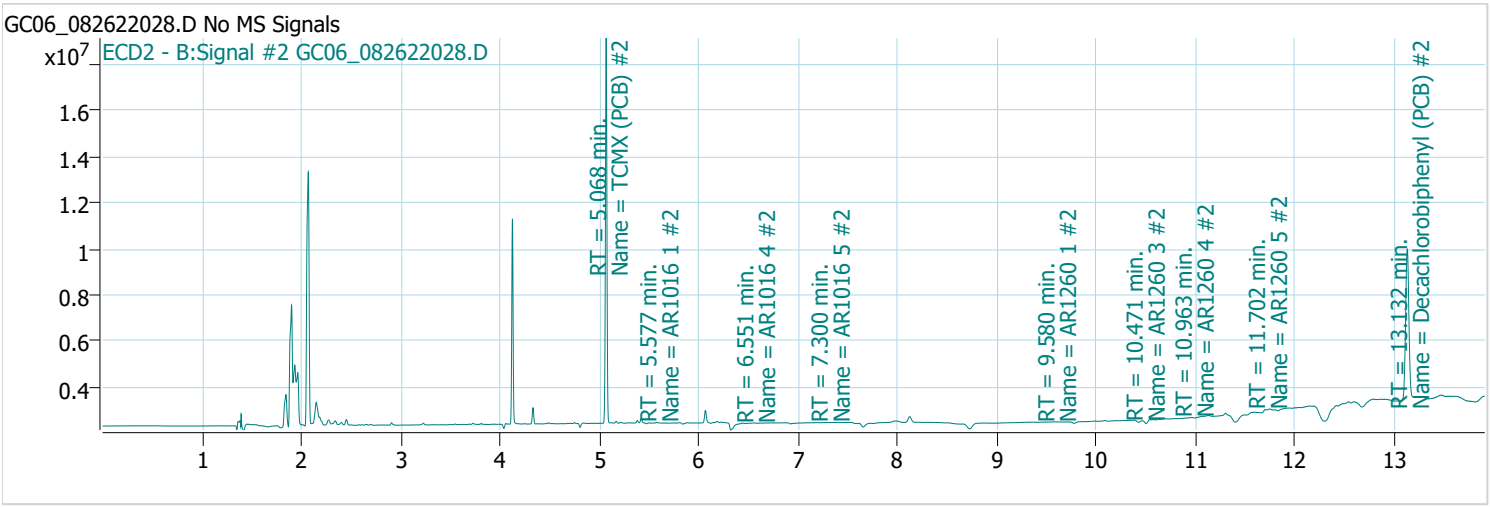
Analyst: TRN 08/29/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622028.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 9:39:06 PM
Sample Name	467872-046, 295632, 1	Instrument	SVOA-GC06
Vial	18	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



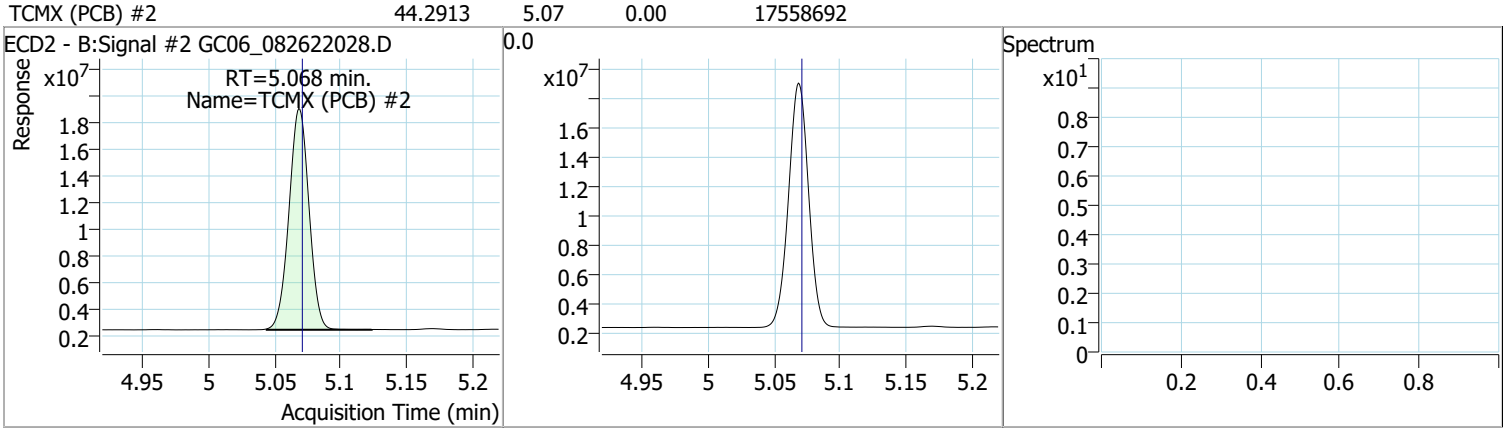


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	8655155.583	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.357	0.0	1701106.792	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB) #2	5.068	0.0	17558691.679	44.2913	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 221.46%		*	
S TCMX (PCB)	5.210	0.0	3561482.011	43.5262	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 217.63%		*	
S Decachlorobiphenyl (PCB)	12.692	0.0	3514592.482	27.1728	ng/ml		-0.014
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 135.86%			
S Decachlorobiphenyl (PCB) #2	13.132	0.0	15244724.831	29.1893	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 145.95%			
Target Compounds							QValue

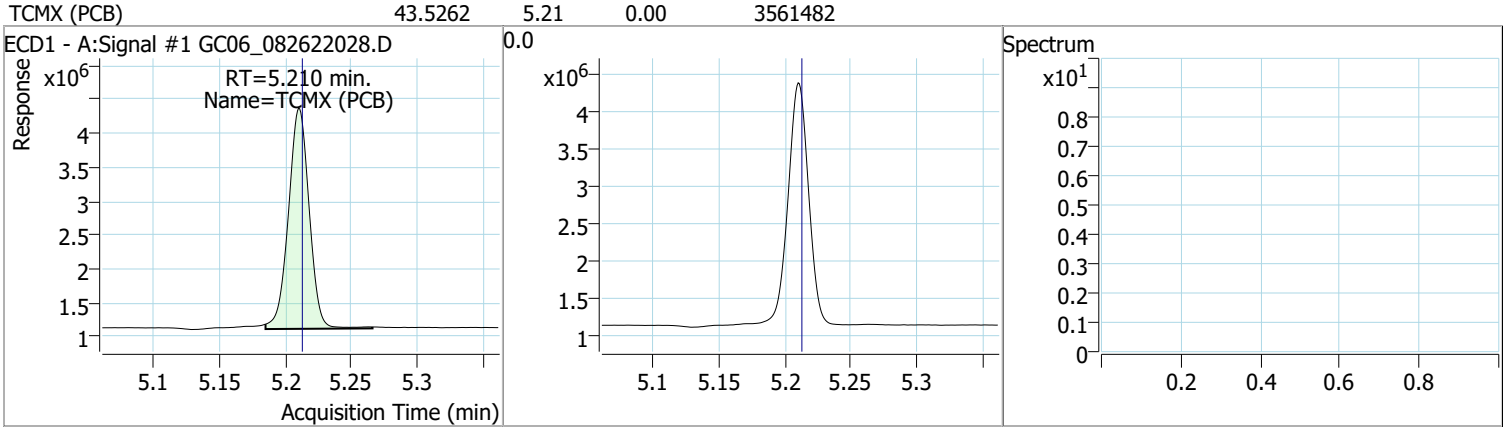
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.577	0.0	173320.772	21.3837	ng/ml	100
T AR1016 1	5.548	0.0	4423.516	2.6584	ng/ml	100
T AR1016 2 #2	5.887	0.0	136426.037	8.1107	ng/ml	100
T AR1016 2	5.978	0.0	27628.874	7.6257	ng/ml	100
T AR1016 3 #2	6.437	0.0	1094444.853	49.3374	ng/ml	100
T AR1016 3	6.318	0.0	16948.731	3.9748	ng/ml	100
T AR1016 4	6.495	0.0	523455.955	164.0442	ng/ml	100
T AR1016 4 #2	6.551	0.0	144932.436	9.6303	ng/ml	100
T AR1016 5	6.993	0.0	192068.592	77.8129	ng/ml	100
T AR1016 5 #2	7.300	0.0	14818.747	1.2594	ng/ml	100
T AR1260 1	8.960	0.0	66179.696	12.3621	ng/ml	100
T AR1260 1 #2	9.580	0.0	55924.498	2.1349	ng/ml	100
T AR1260 2	9.616	0.0	808.304	0.0980	ng/ml	100
T AR1260 2 #2	9.988	0.0	308333.638	10.1867	ng/ml	100
T AR1260 3	10.141	0.0	18211.047	2.1245	ng/ml	100
T AR1260 3 #2	10.471	0.0	233103.791	5.6685	ng/ml	100
T AR1260 4	10.653	0.0	8781.202	2.0598	ng/ml	100
T AR1260 4 #2	10.963	0.0	68349.044	3.0715	ng/ml	100
T AR1260 5	11.342	0.0	72356.460	12.8240	ng/ml	100
T AR1260 5 #2	11.702	0.0	195307.892	5.9532	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

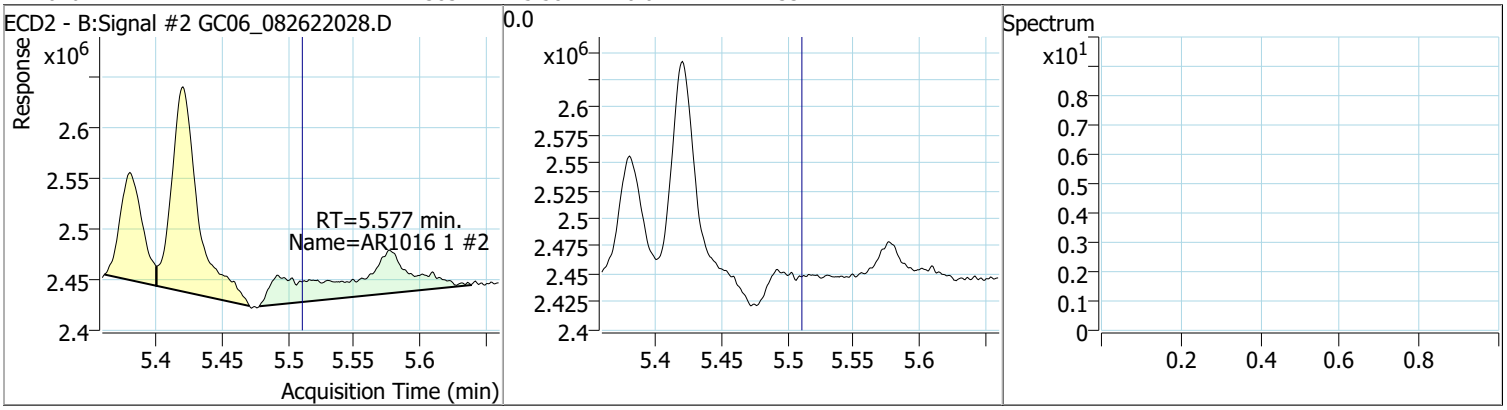
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	44.2913	5.07	0.00	17558692				



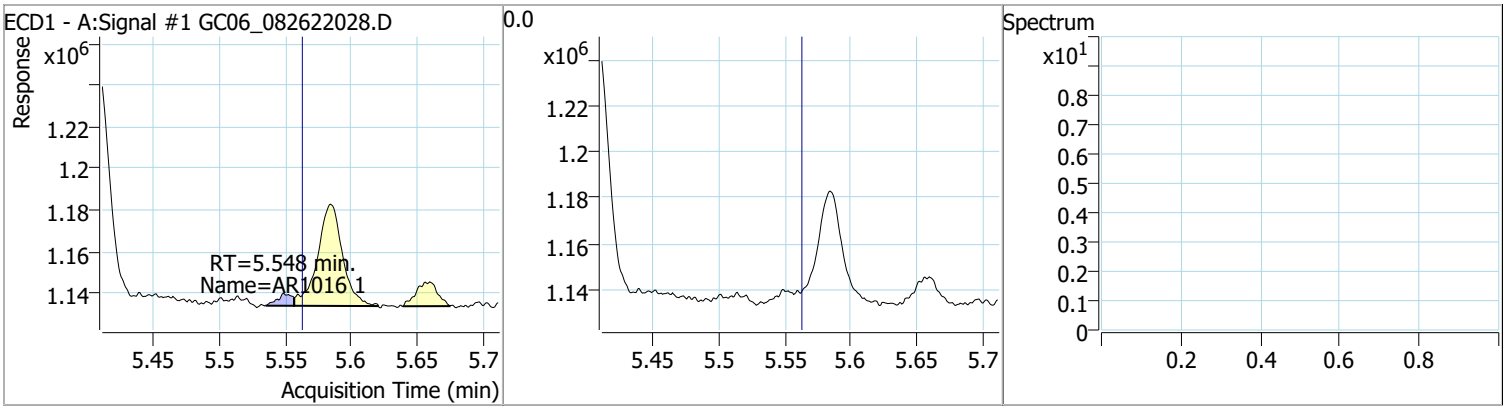
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	43.5262	5.21	0.00	3561482				



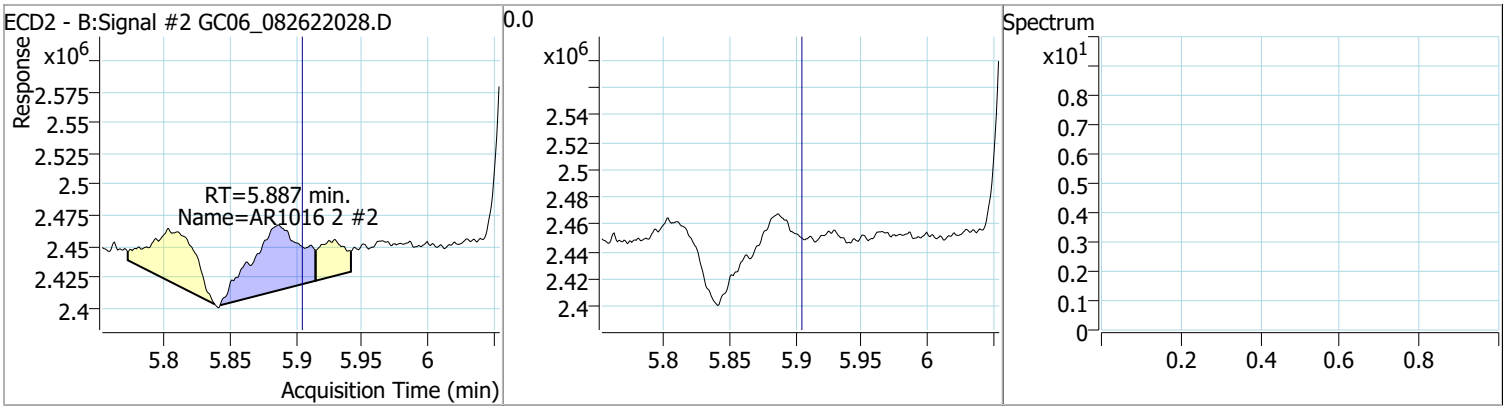
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	21.3837	5.58	0.07	173321				



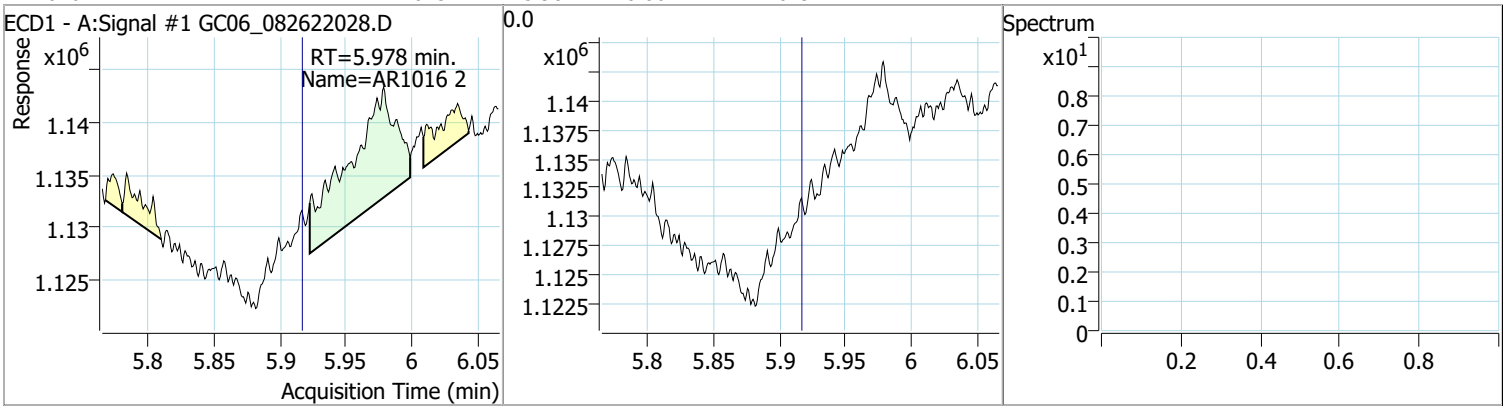
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	2.6584	5.55	-0.01	4424				



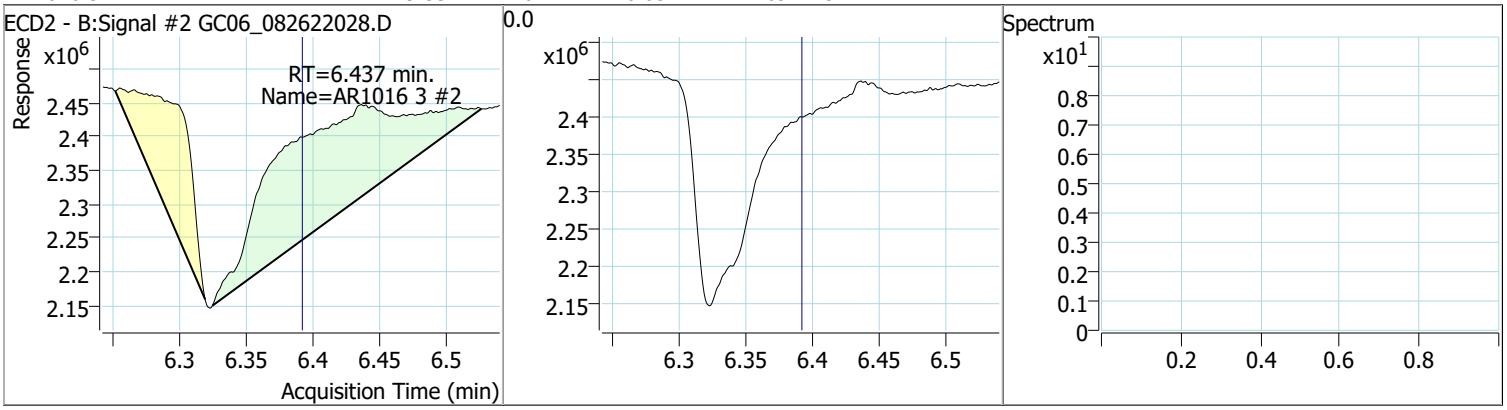
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	8.1107	5.89	-0.02	136426				



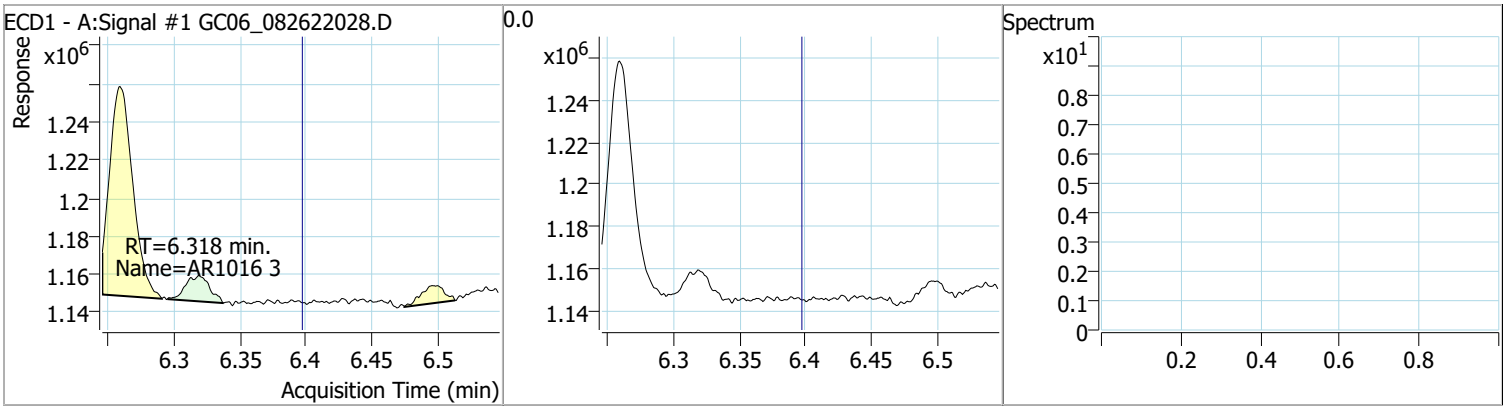
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	7.6257	5.98	0.06	27629				



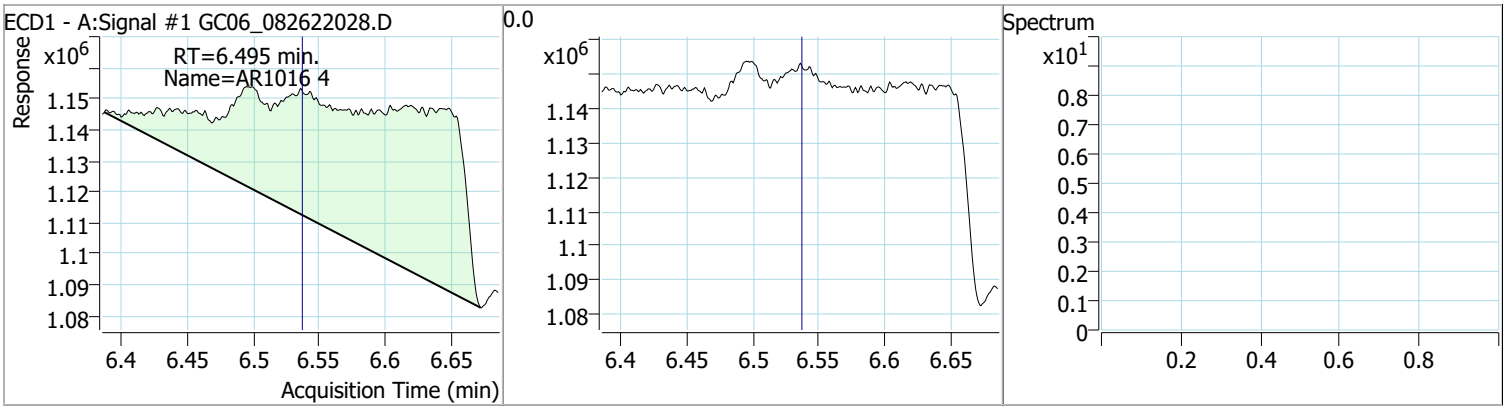
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	49.3374	6.44	0.05	1094445				



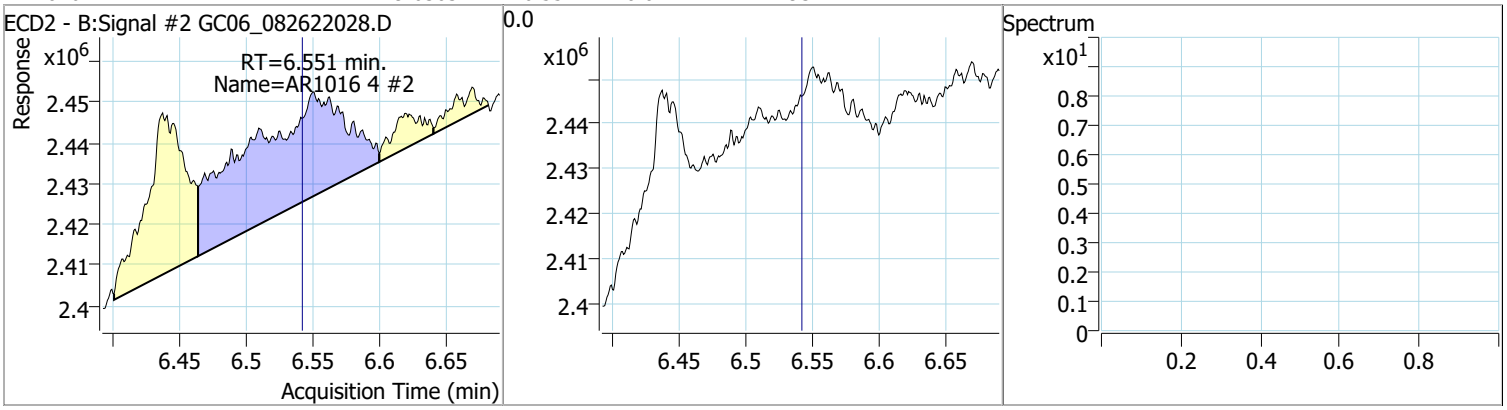
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	3.9748	6.32	-0.08	16949				



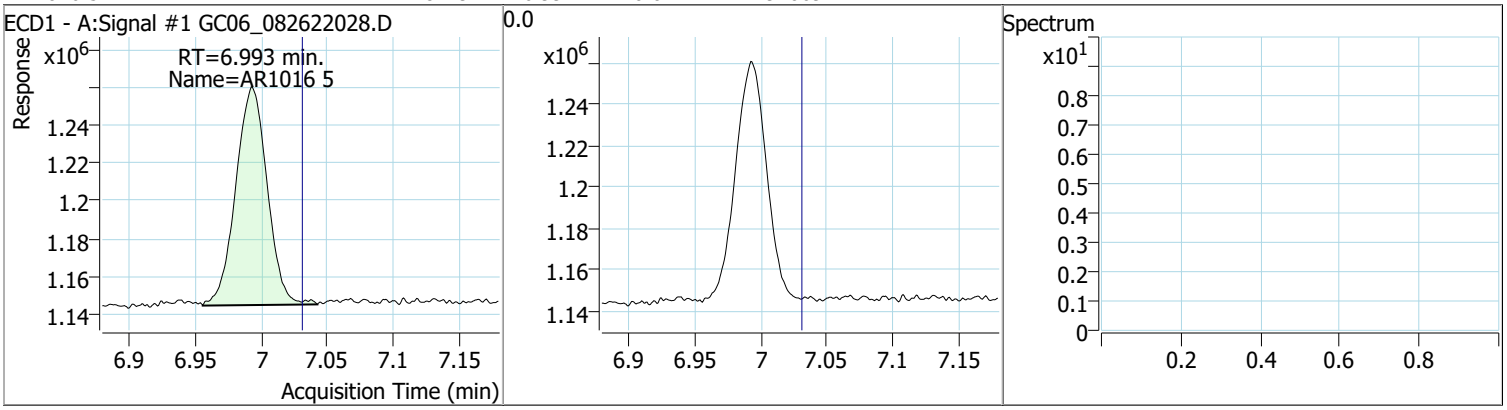
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	164.0442	6.50	-0.04	523456				



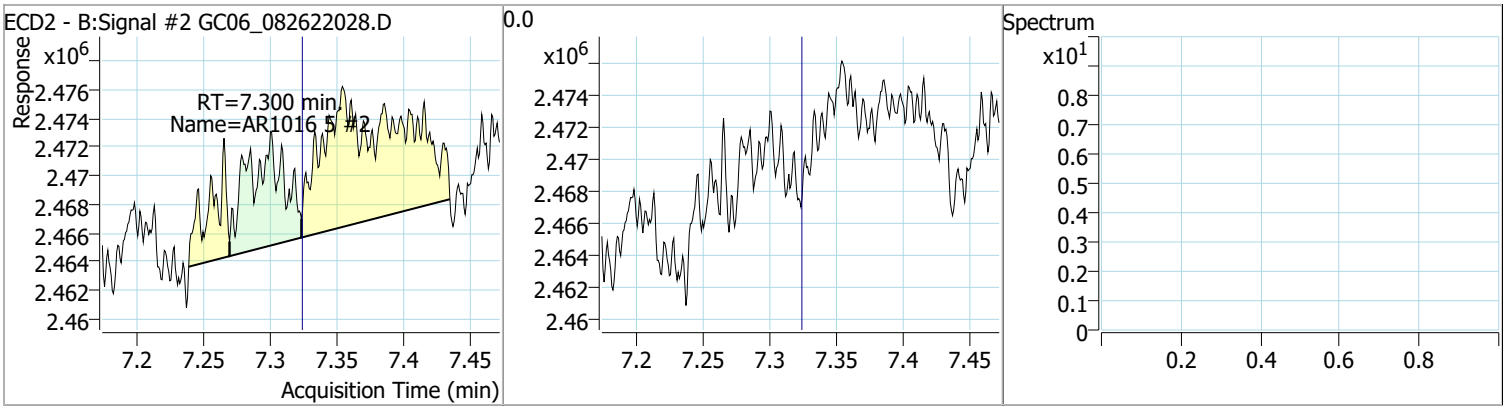
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	9.6303	6.55	0.01	144932				



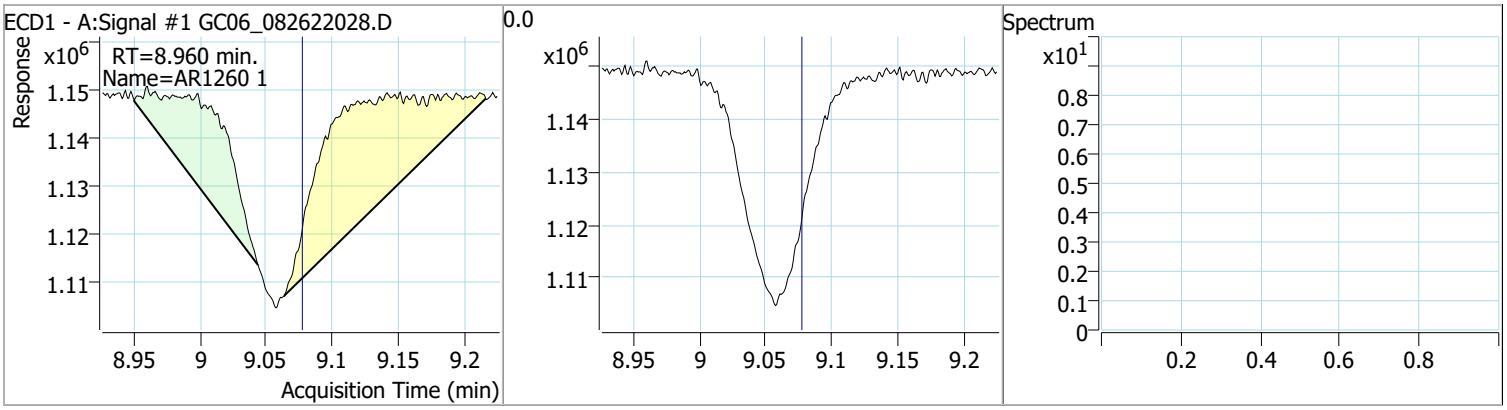
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	77.8129	6.99	-0.04	192069				



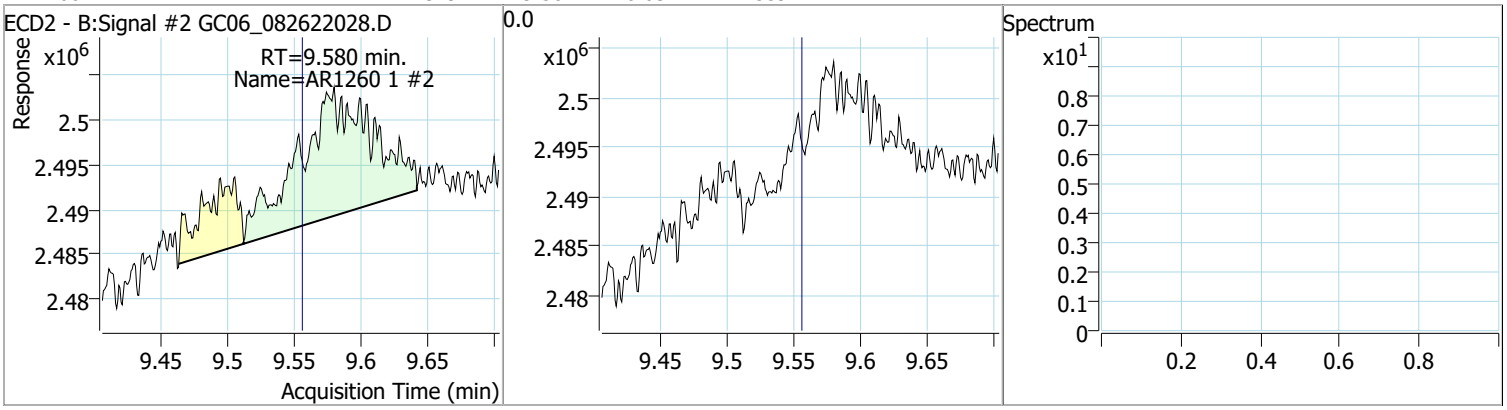
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.2594	7.30	-0.02	14819				



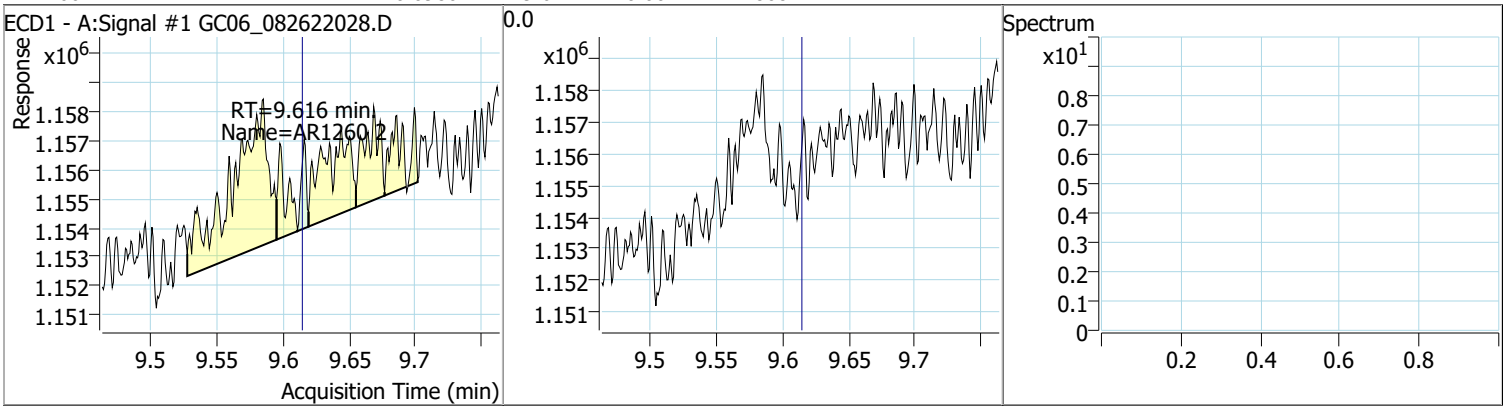
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	12.3621	8.96	-0.11	66180				



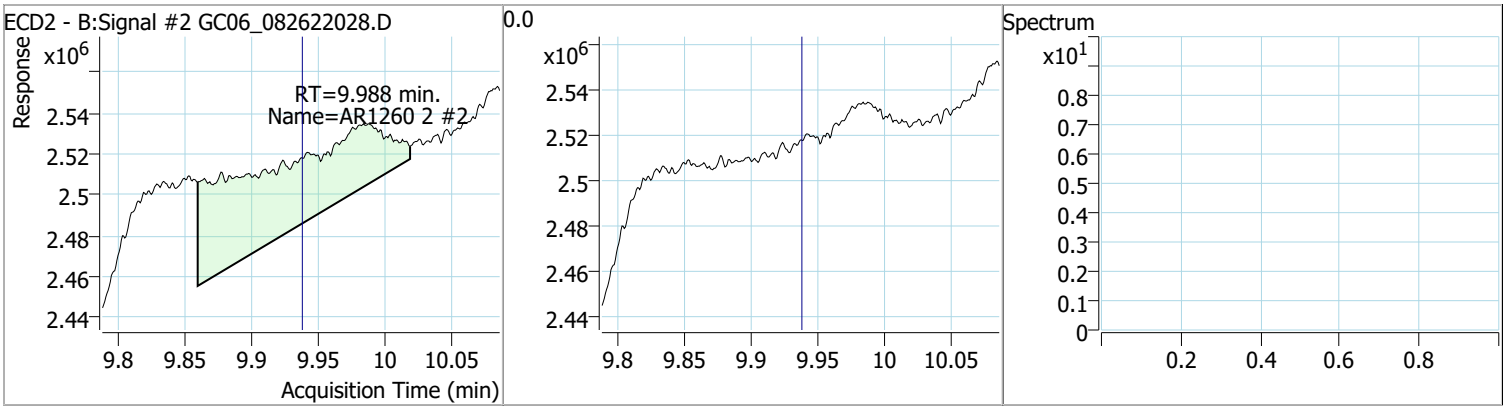
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	2.1349	9.58	0.03	55924				



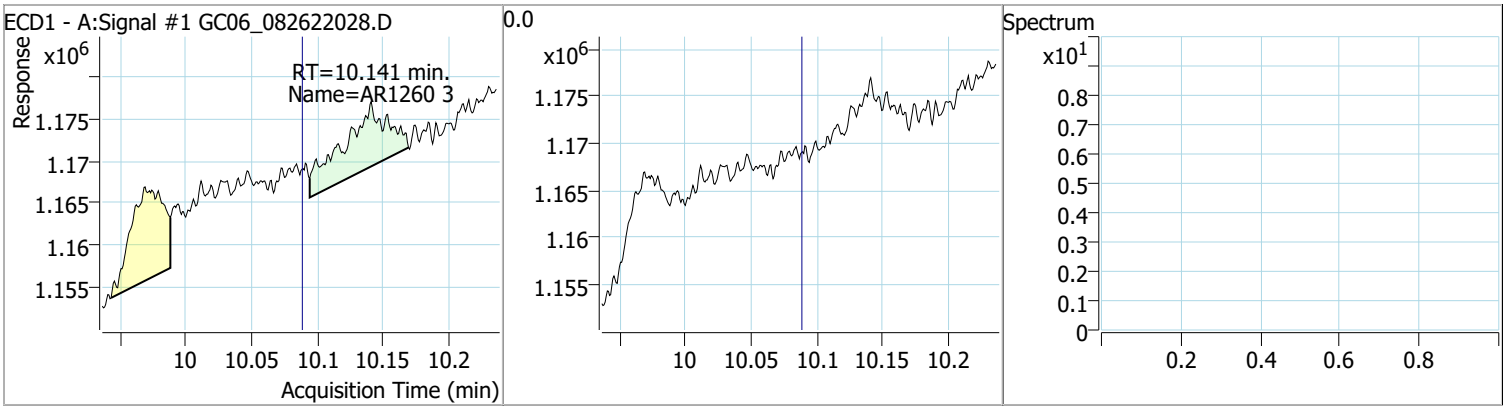
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.0980	9.62	0.00	808				



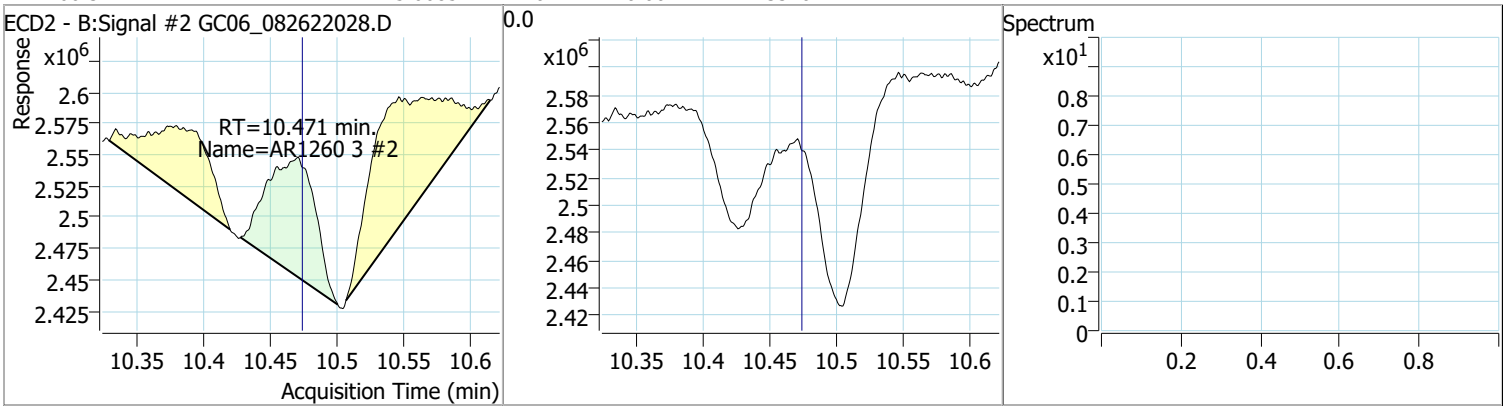
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	10.1867	9.99	0.05	308334				



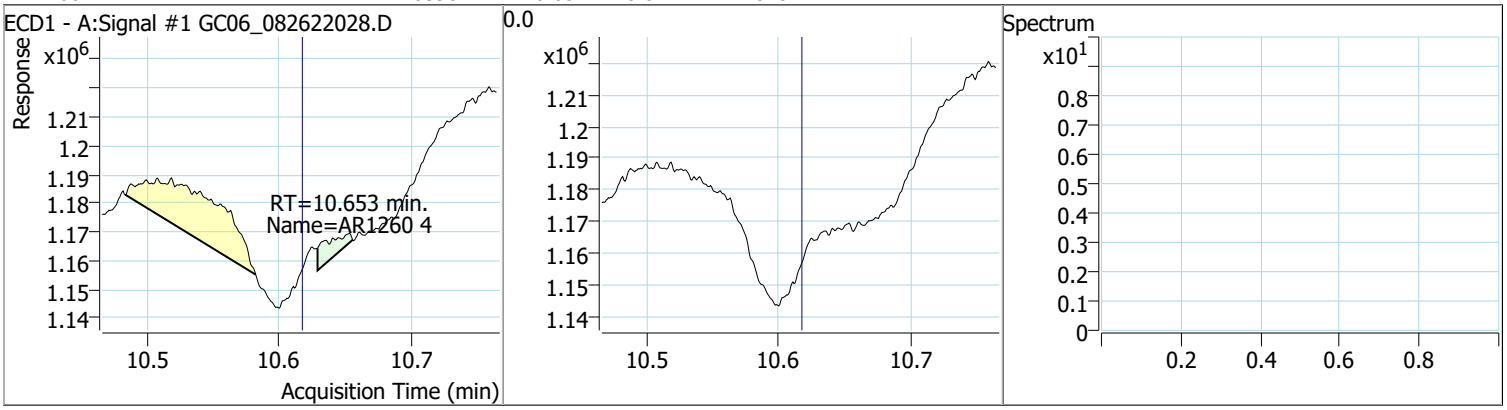
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	2.1245	10.14	0.05	18211				



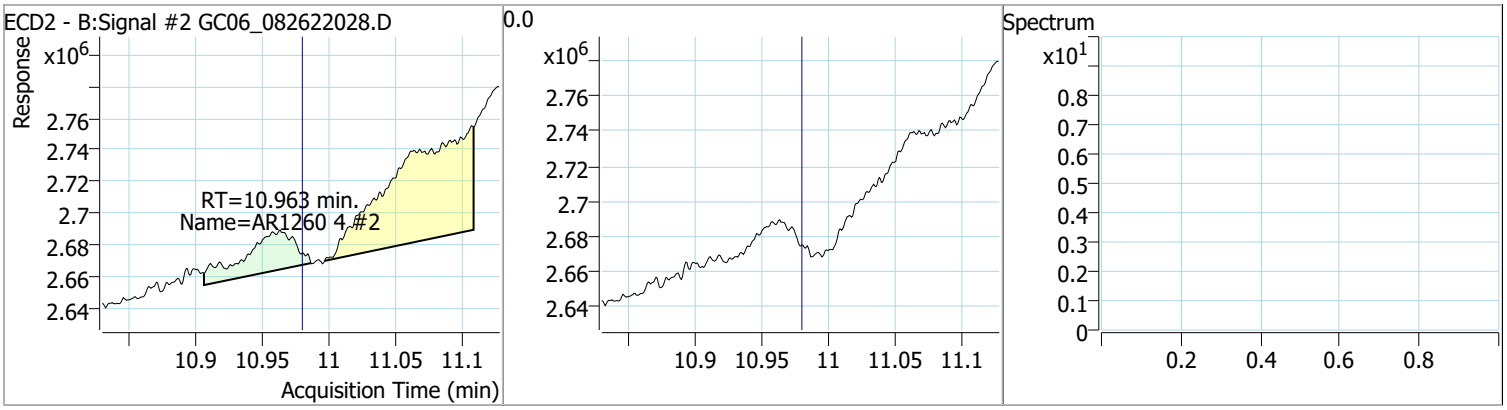
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	5.6685	10.47	0.00	233104				



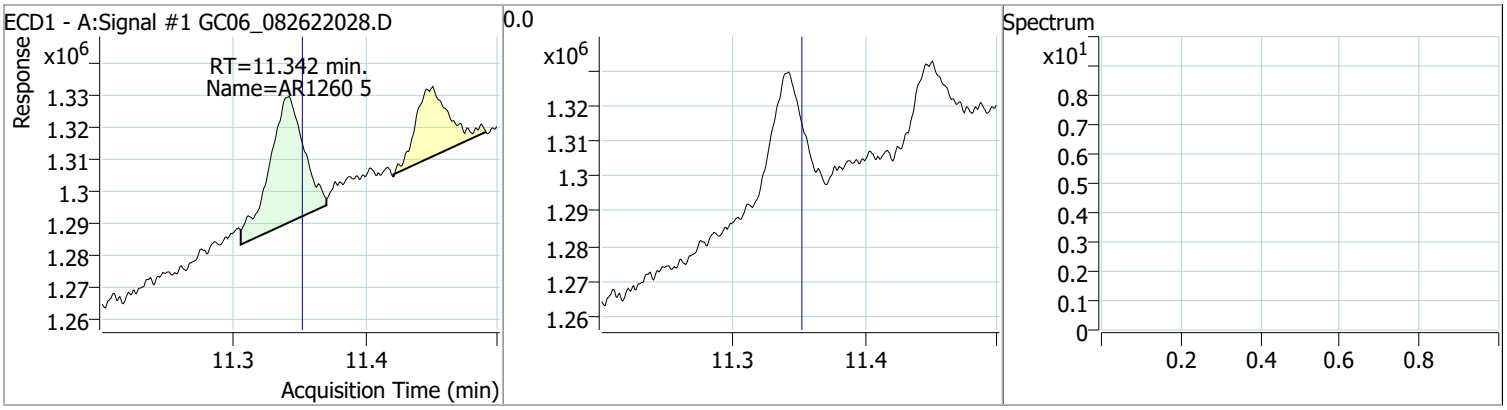
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	2.0598	10.65	0.04	8781				



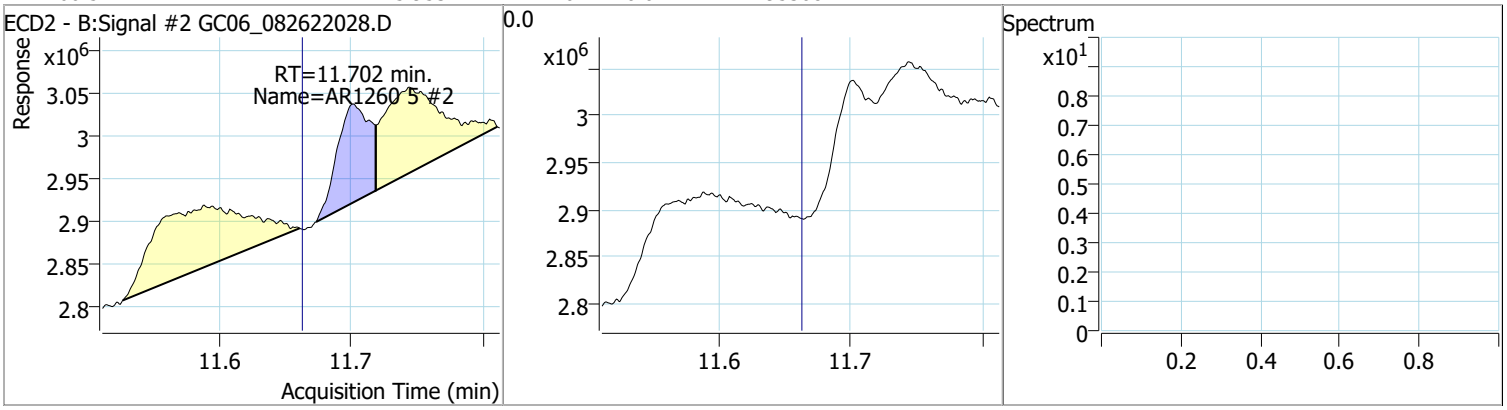
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	3.0715	10.96	-0.02	68349				



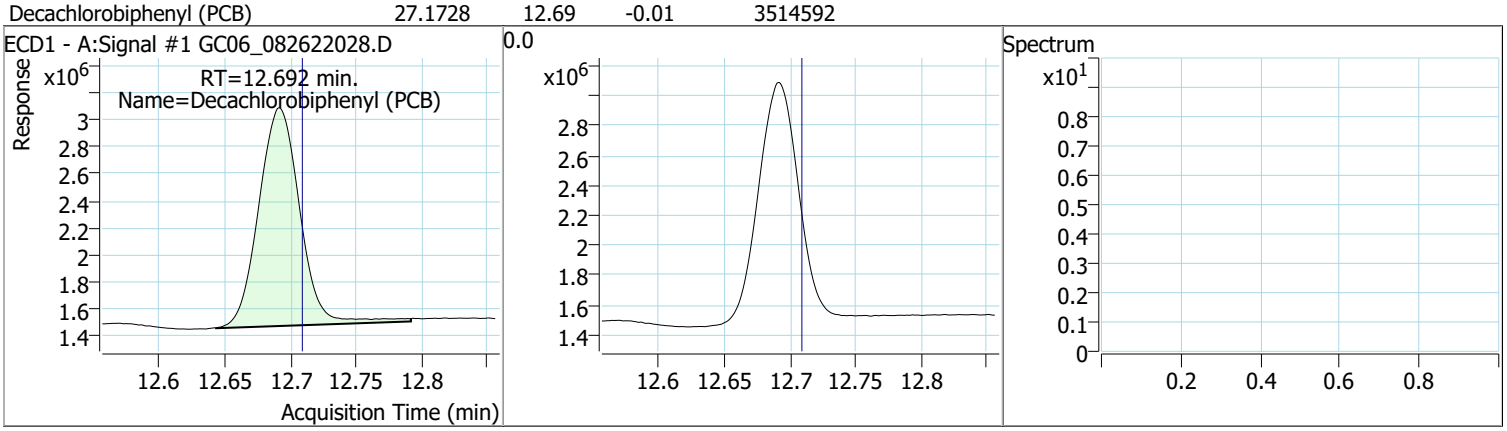
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	12.8240	11.34	-0.01	72356				



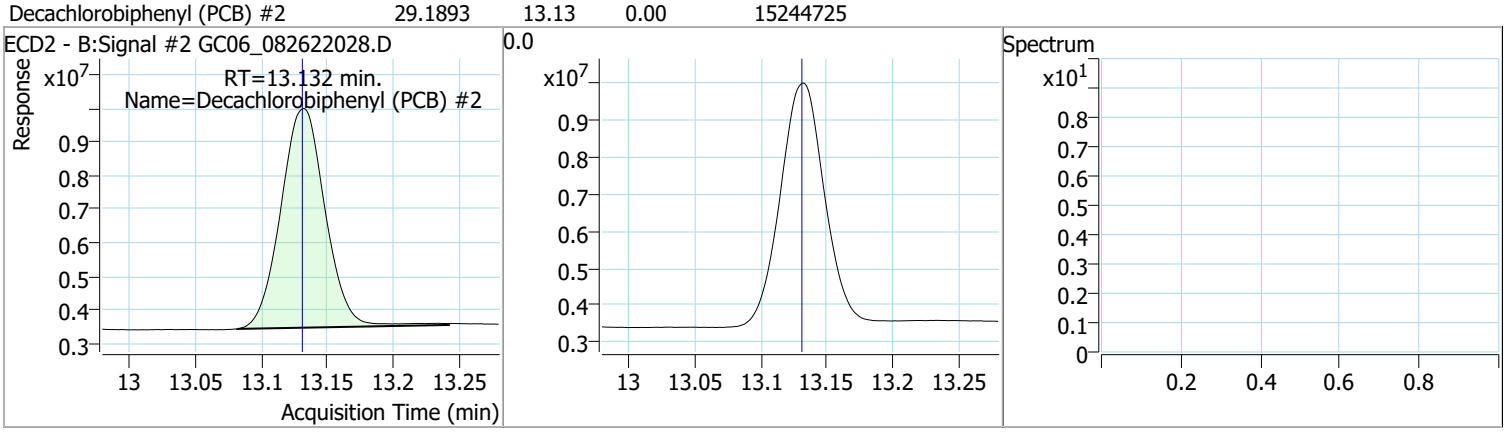
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	5.9532	11.70	0.04	195308				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	27.1728	12.69	-0.01	3514592				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	29.1893	13.13	0.00	15244725				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467872-048	Client ID:	DOOR-N-0.1GE-EXT-2 TO 3-220823-P-CB
Seqnum:	452343556029	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622029	Batch:	295632	Time:	26-AUG-2022 21:56
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	47.82	ND	0.44	74%	1.0		u
Aroclor-1016 Peak # 1	A	8.134	0.16	0.76	130%			
Aroclor-1016 Peak # 2	A	1.108	0.02	0.17	154%			
Aroclor-1016 Peak # 3	A	3.533	0.07	1.09	176%			
Aroclor-1016 Peak # 4	A	112.9	2.26	0.15	175%			
Aroclor-1016 Peak # 5	A	113.5	2.27	0.03	195%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	14.31	ND	0.15	62%	1.0		u
Aroclor-1260 Peak # 1	A	23.29	0.47	0.05	161%			
Aroclor-1260 Peak # 2	A	2.019	0.04	0.31	154%			
Aroclor-1260 Peak # 3	A	1.899	0.04	0.13	109%			
Aroclor-1260 Peak # 4	A	8.850	0.18	0.05	106%			
Aroclor-1260 Peak # 5	A	35.49	0.71	0.20	111%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	39.85	1.000	0.7971	80	52-186	c+ u
Decachlorobiphenyl (PCB)	A	25.63	1.000	0.5127	51	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	8784782	6.89
1-bromo-2-nitrobenzene (PCB)	A	1919479	1730339	-9.85

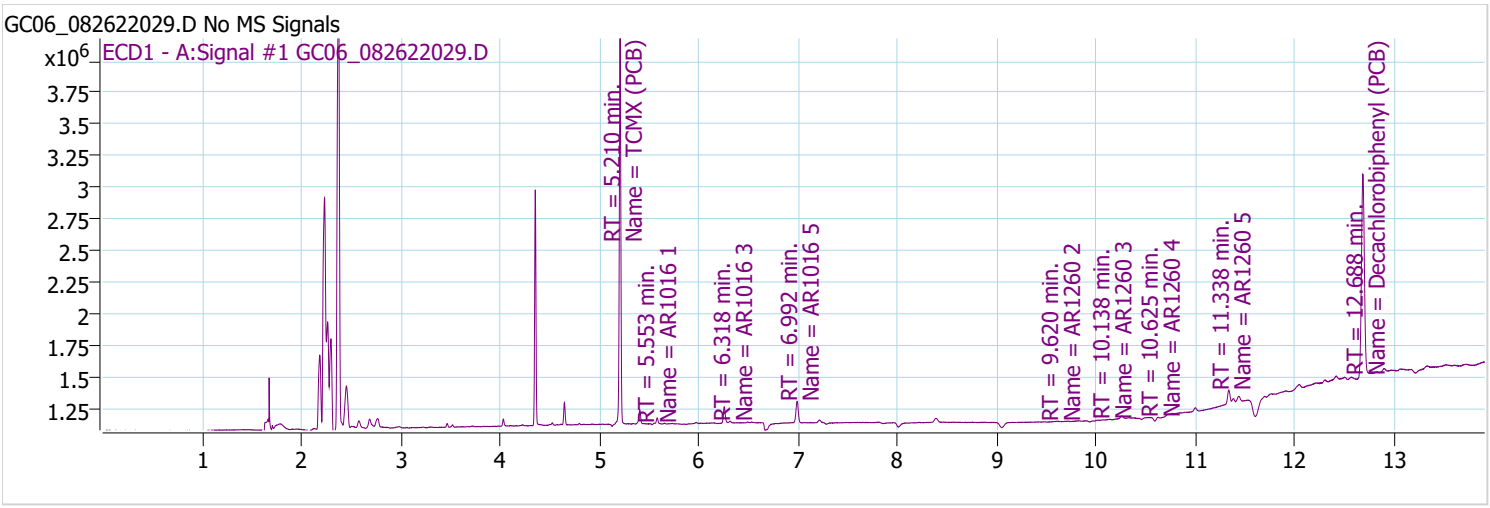
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

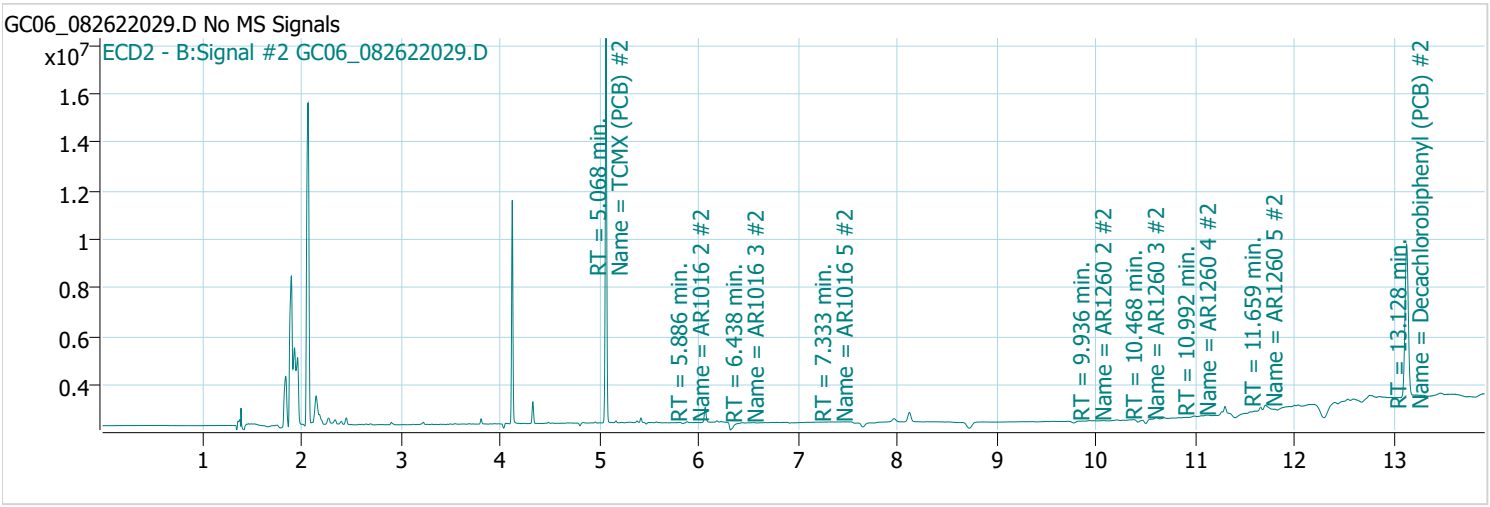
ISTD (CCV gc06_082622002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.12	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

Analyst: TRN 08/29/22 **Reviewer:** SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622029.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 9:56:29 PM
Sample Name	467872-048, 295632, 1	Instrument	SVOA-GC06
Vial	19	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



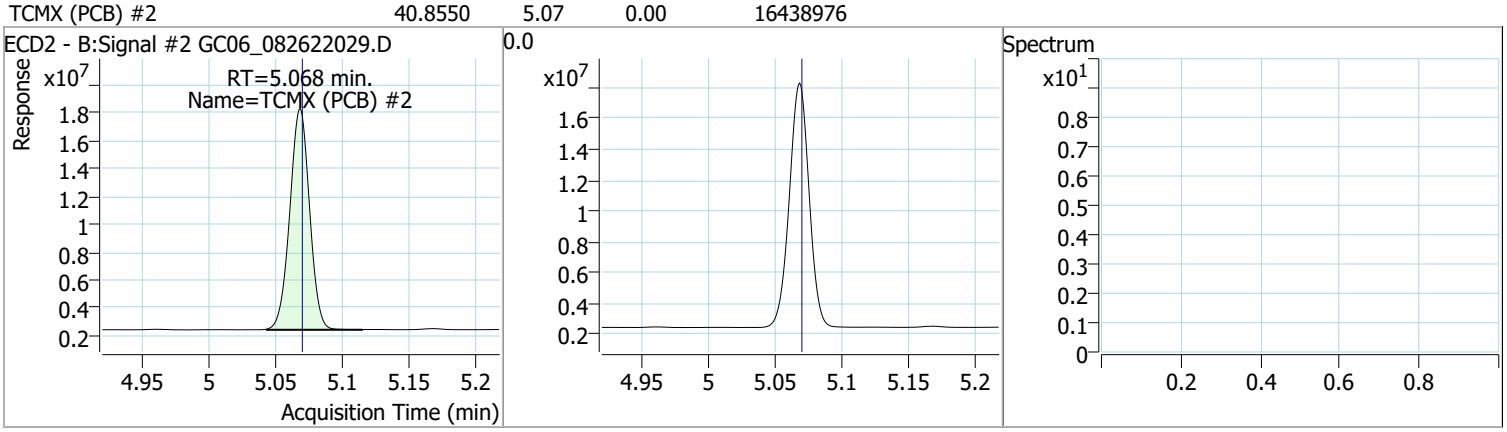


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.124	0.0	8784781.503	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB)	4.356	0.0	1730339.143	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB) #2	5.068	0.0	16438976.128	40.8550	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 204.27%		*	
S TCMX (PCB)	5.210	0.0	3316270.942	39.8447	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 199.22%		*	
S Decachlorobiphenyl (PCB)	12.688	0.0	3371789.333	25.6283	ng/ml		-0.018
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 128.14%			
S Decachlorobiphenyl (PCB) #2	13.128	0.0	14681705.824	27.6965	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 138.48%			
Target Compounds							QValue

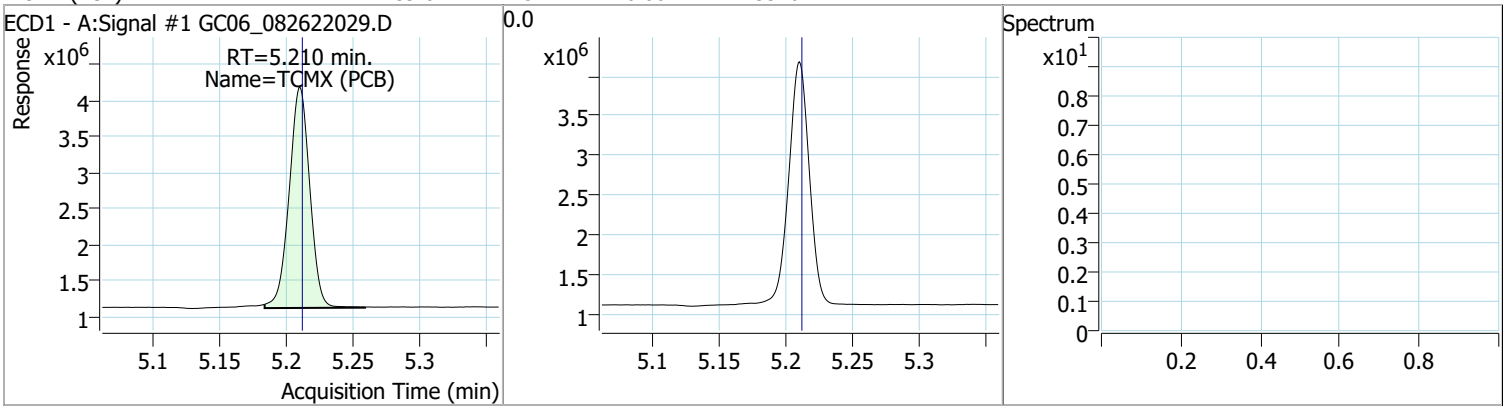
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.576	0.0	314184.604	38.1909	ng/ml	100
T AR1016 1	5.553	0.0	13764.782	8.1324	ng/ml	100
T AR1016 2 #2	5.886	0.0	145203.562	8.5052	ng/ml	100
T AR1016 2	5.906	0.0	4082.990	1.1079	ng/ml	100
T AR1016 3 #2	6.438	0.0	1231406.293	54.6925	ng/ml	100
T AR1016 3	6.318	0.0	15320.535	3.5323	ng/ml	100
T AR1016 4	6.537	0.0	366285.429	112.8498	ng/ml	100
T AR1016 4 #2	6.546	0.0	112593.152	7.3711	ng/ml	100
T AR1016 5	6.992	0.0	284810.789	113.4363	ng/ml	100
T AR1016 5 #2	7.333	0.0	17412.235	1.4580	ng/ml	100
T AR1260 1	9.154	0.0	126784.903	23.2828	ng/ml	100
T AR1260 1 #2	9.548	0.0	67303.198	2.5313	ng/ml	100
T AR1260 2	9.620	0.0	16929.332	2.0185	ng/ml	100
T AR1260 2 #2	9.936	0.0	479555.613	15.6097	ng/ml	100
T AR1260 3	10.138	0.0	16556.902	1.8989	ng/ml	100
T AR1260 3 #2	10.468	0.0	269031.974	6.4456	ng/ml	100
T AR1260 4	10.625	0.0	38365.756	8.8476	ng/ml	100
T AR1260 4 #2	10.992	0.0	61472.275	2.7217	ng/ml	100
T AR1260 5	11.338	0.0	203635.115	35.4814	ng/ml	100
T AR1260 5 #2	11.659	0.0	338680.744	10.1710	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

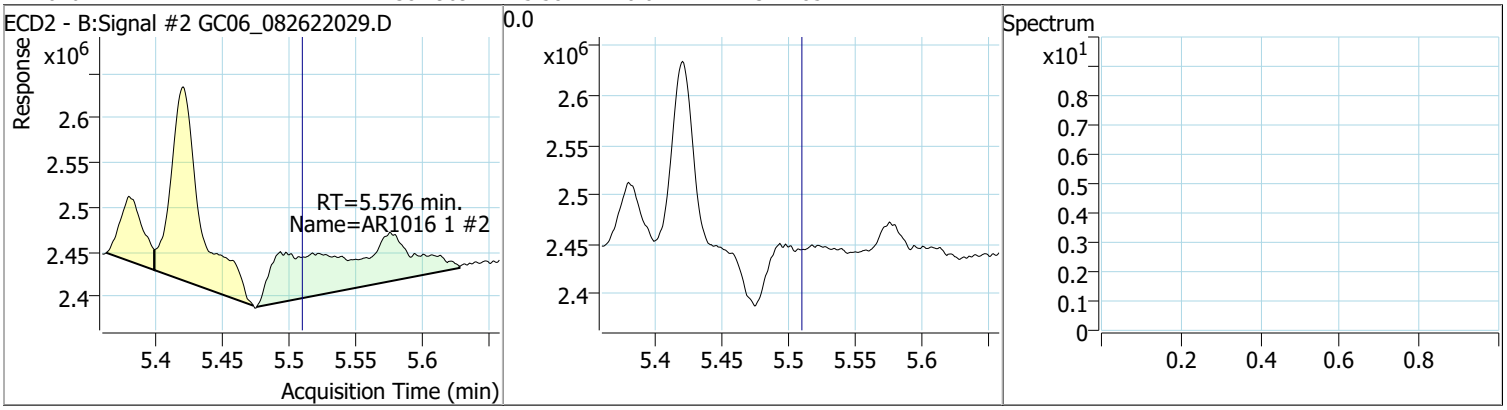
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	40.8550	5.07	0.00	16438976				



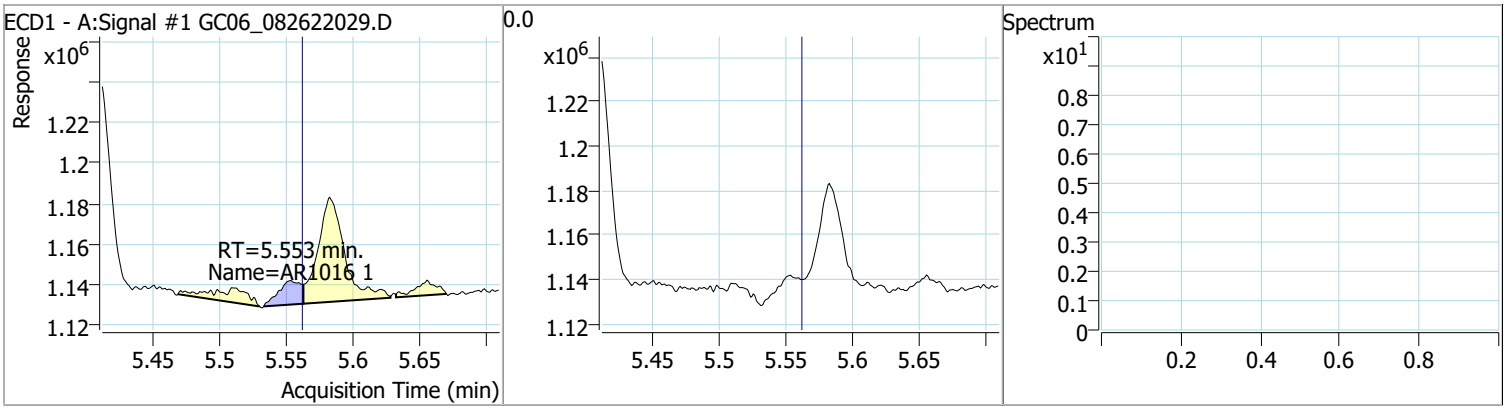
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.8447	5.21	0.00	3316271				



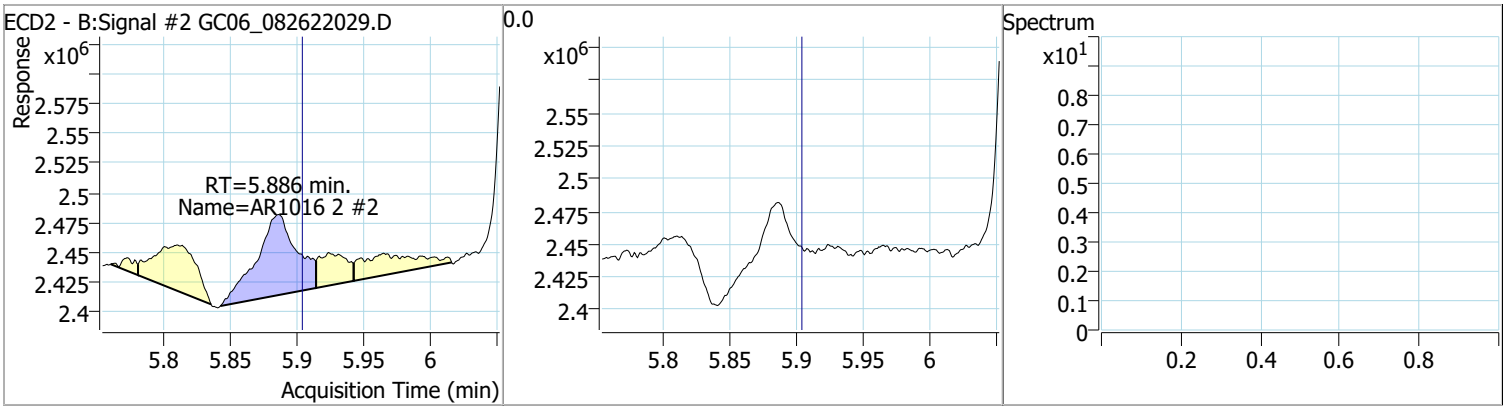
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	38.1909	5.58	0.07	314185				



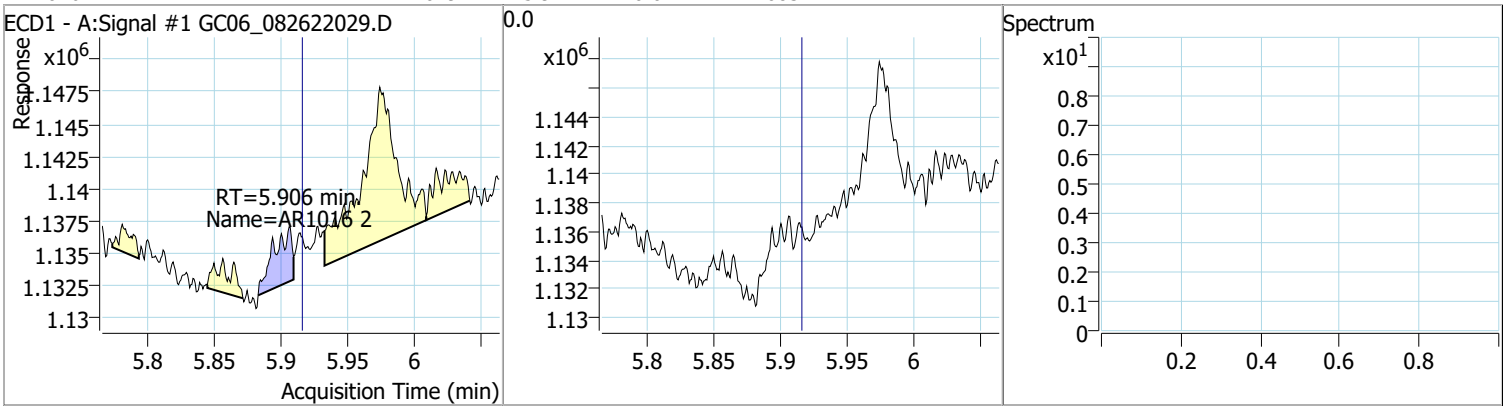
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	8.1324	5.55	-0.01	13765				



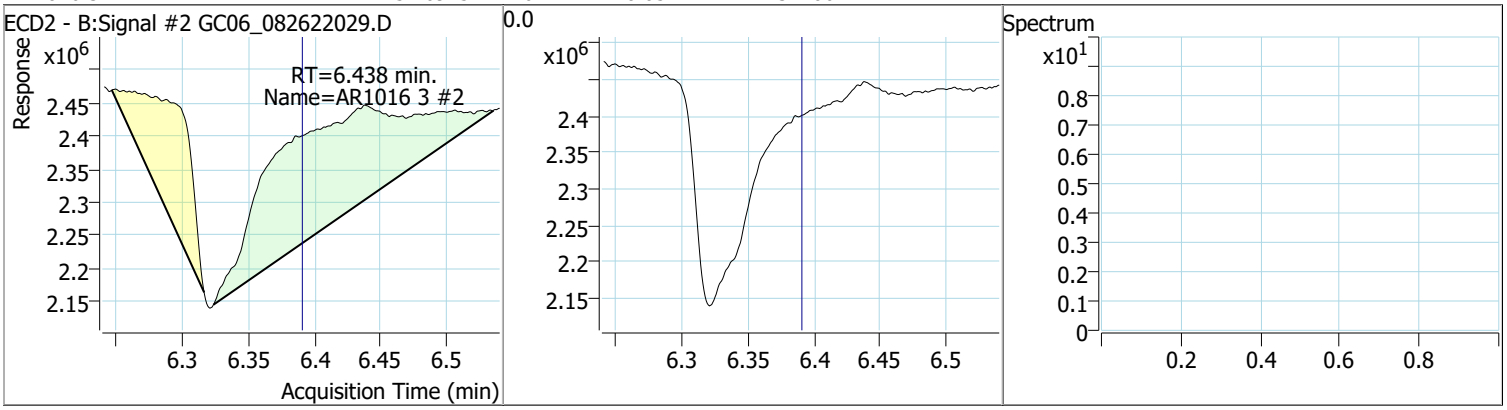
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	8.5052	5.89	-0.02	145204				



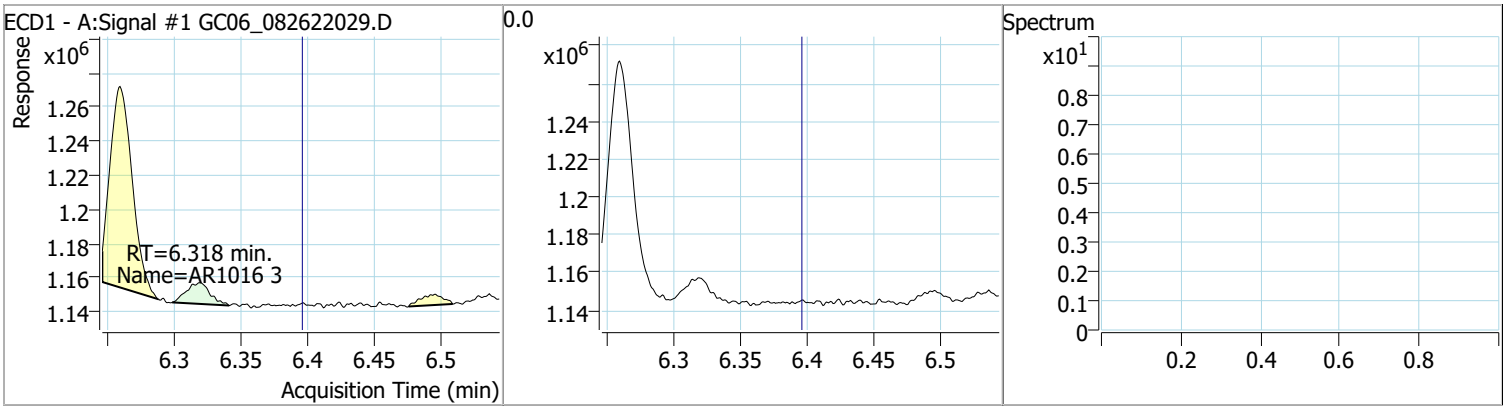
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.1079	5.91	-0.01	4083				



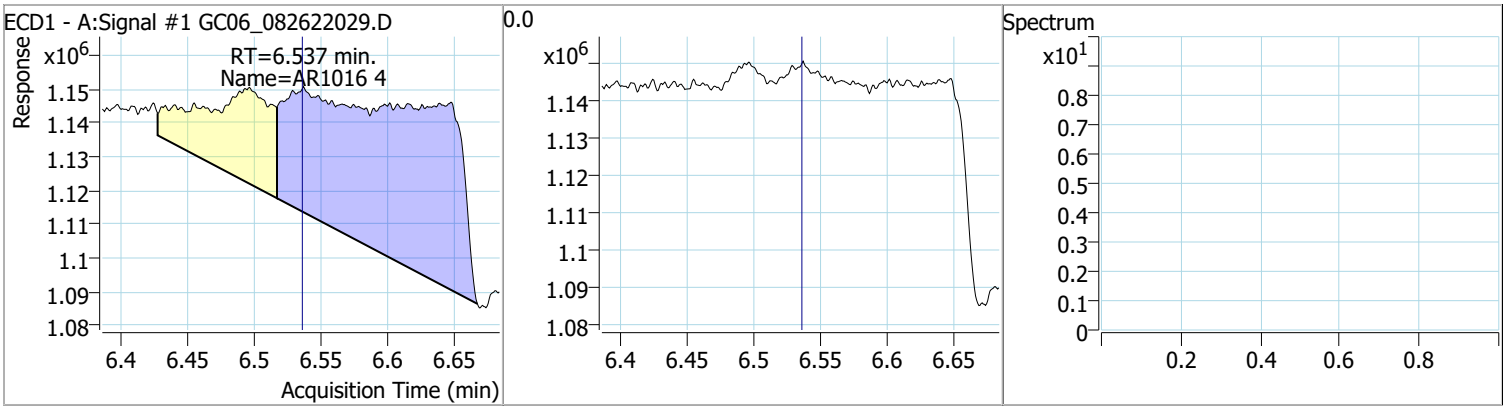
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	54.6925	6.44	0.05	1231406				



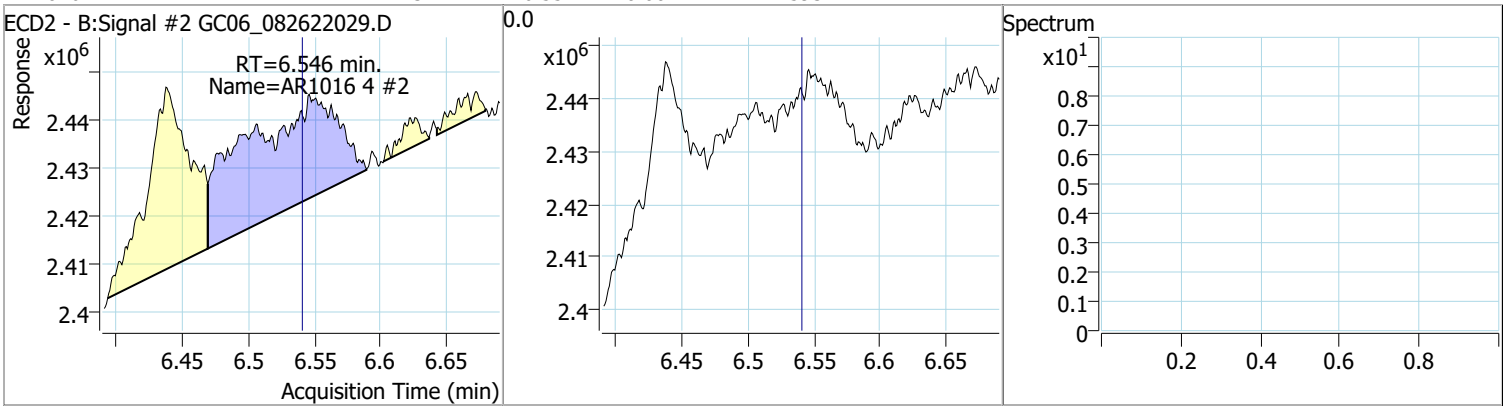
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	3.5323	6.32	-0.08	15321				



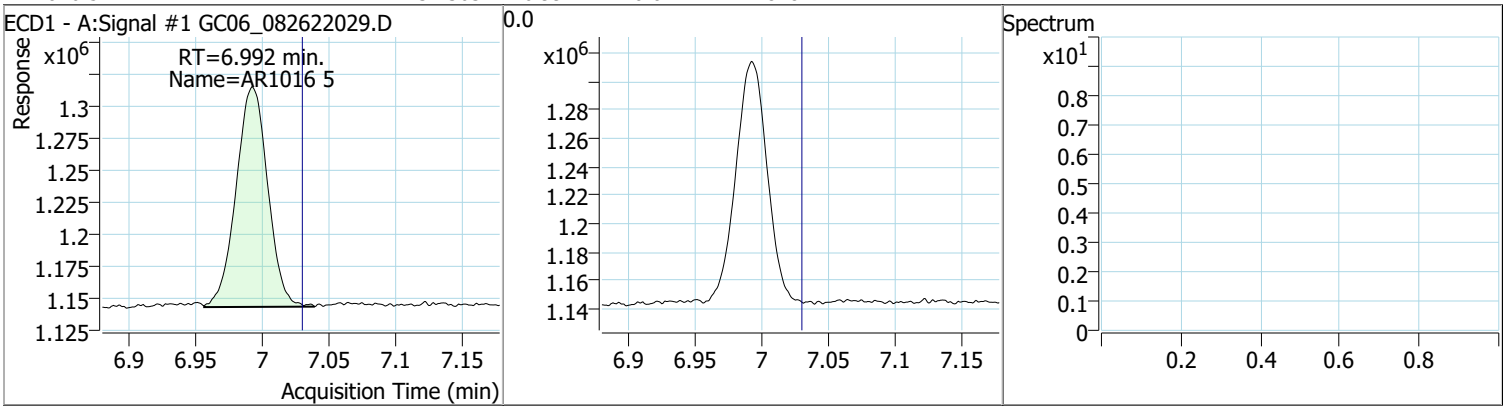
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	112.8498	6.54	0.00	366285				



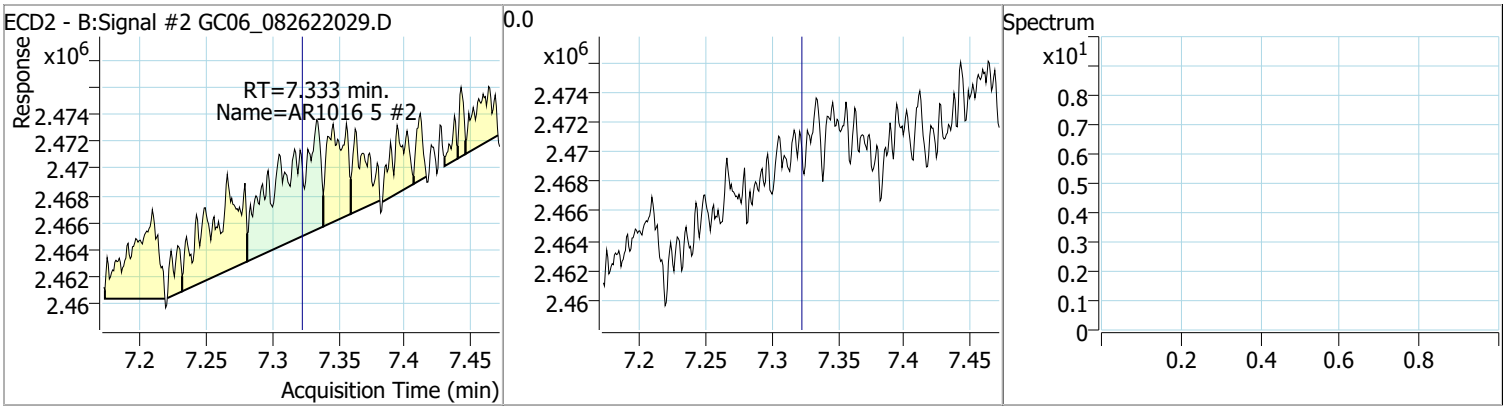
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	7.3711	6.55	0.00	112593				



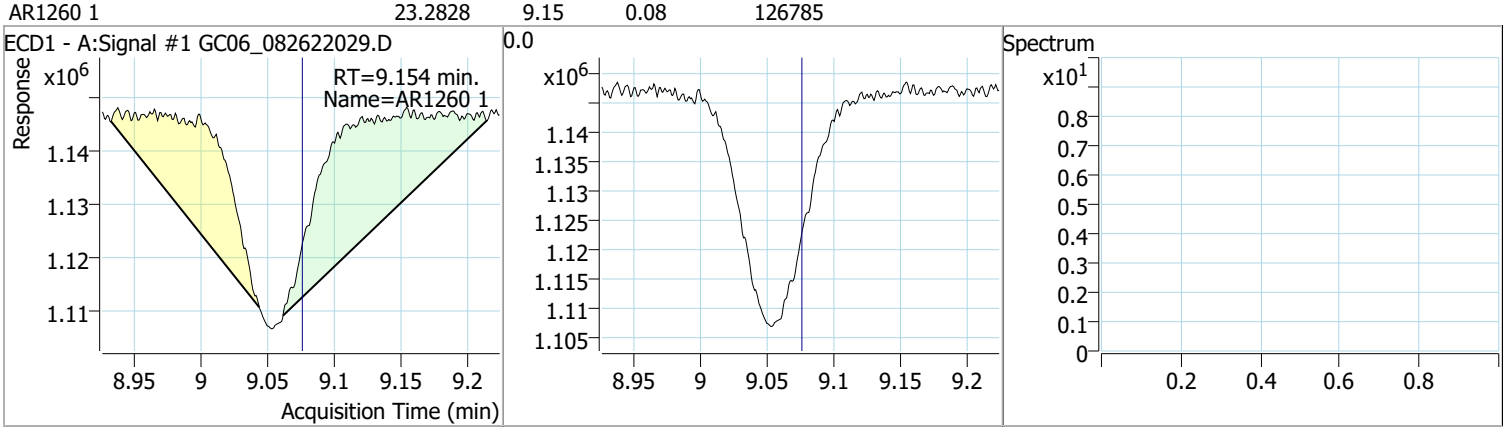
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	113.4363	6.99	-0.04	284811				



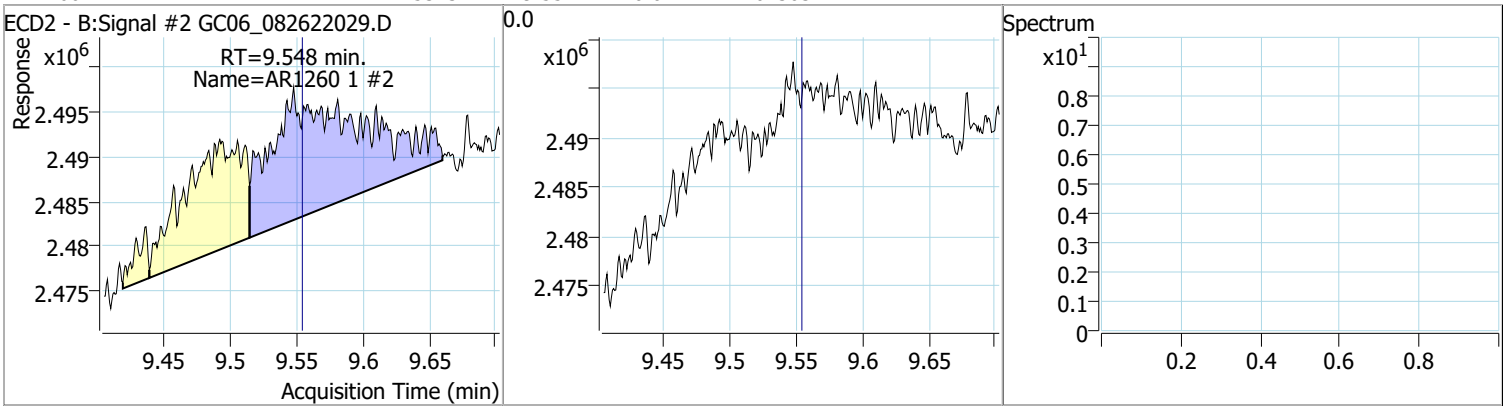
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.4580	7.33	0.01	17412				



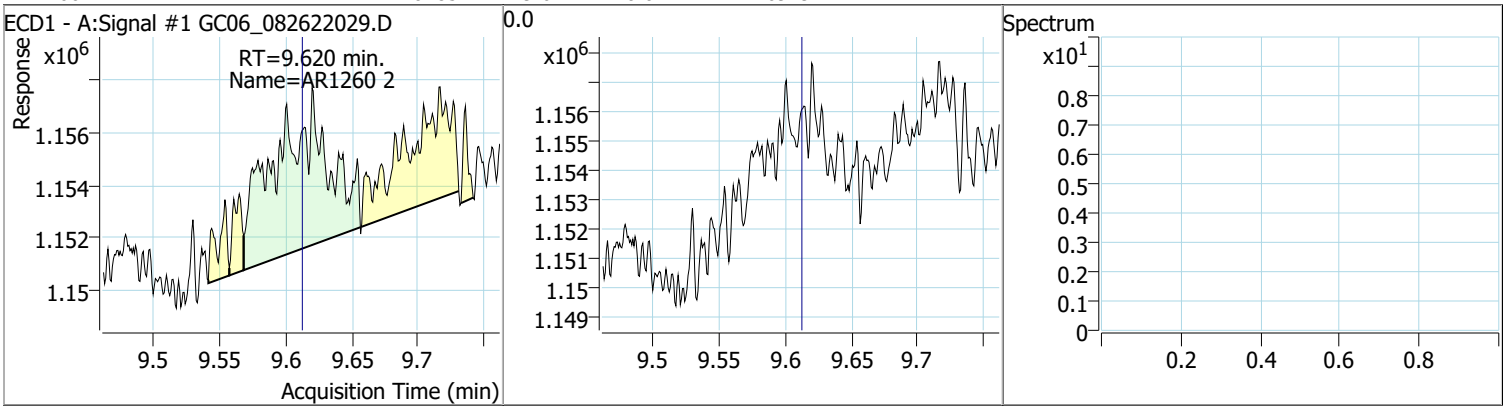
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	23.2828	9.15	0.08	126785				



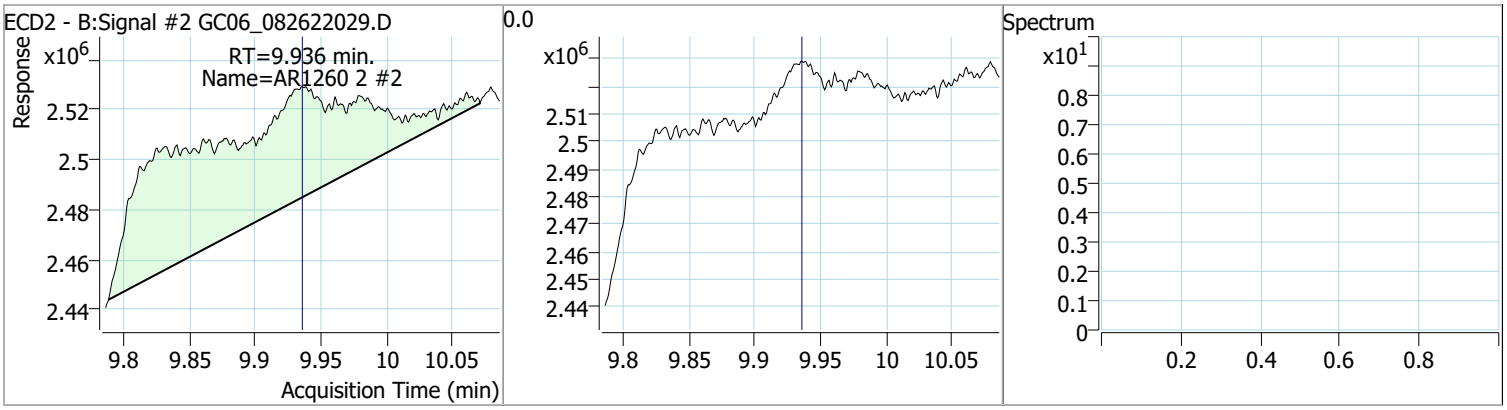
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	2.5313	9.55	-0.01	67303				



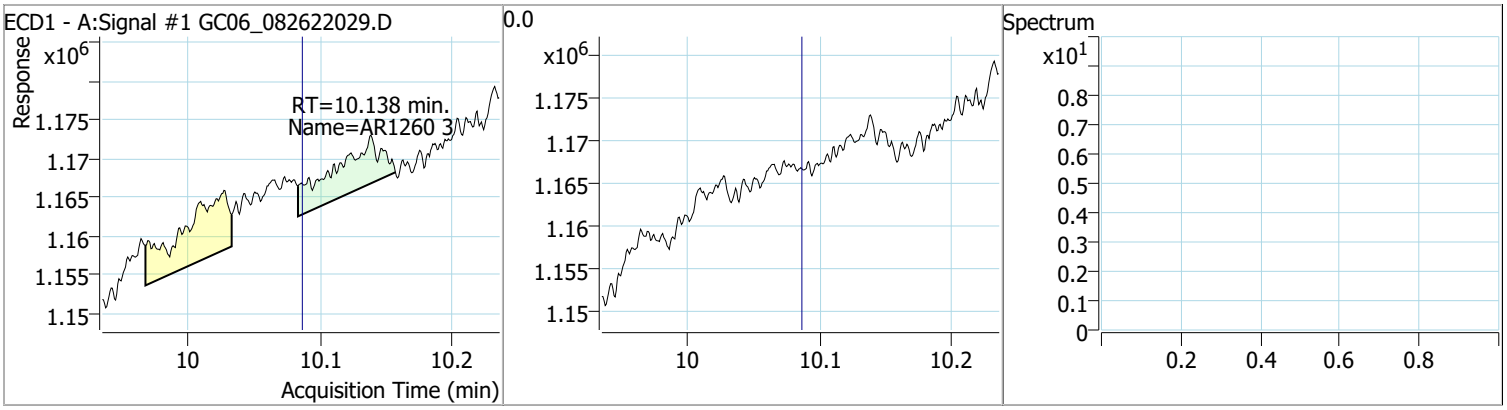
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.0185	9.62	0.01	16929				



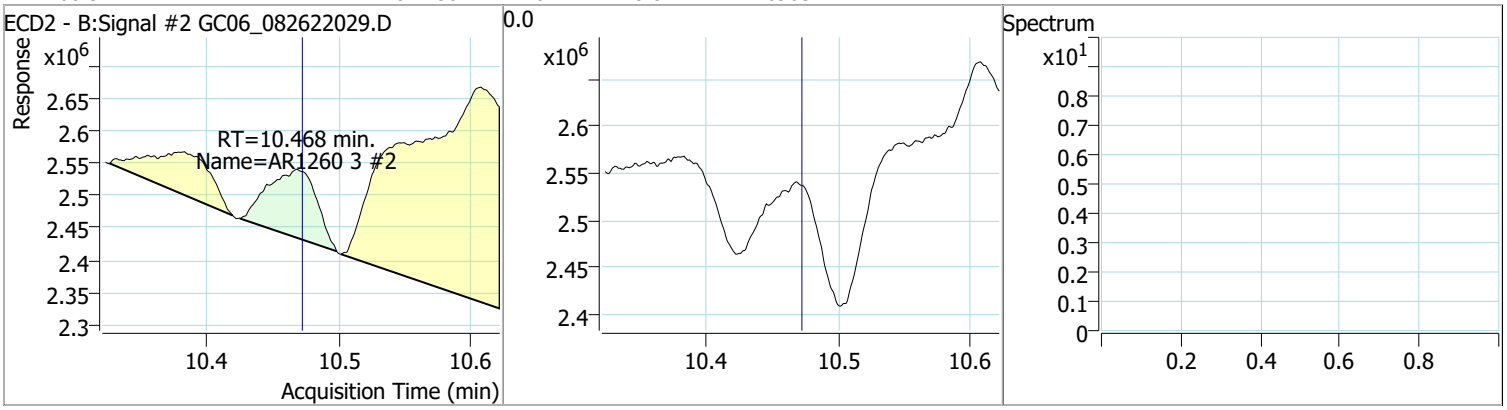
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	15.6097	9.94	0.00	479556				



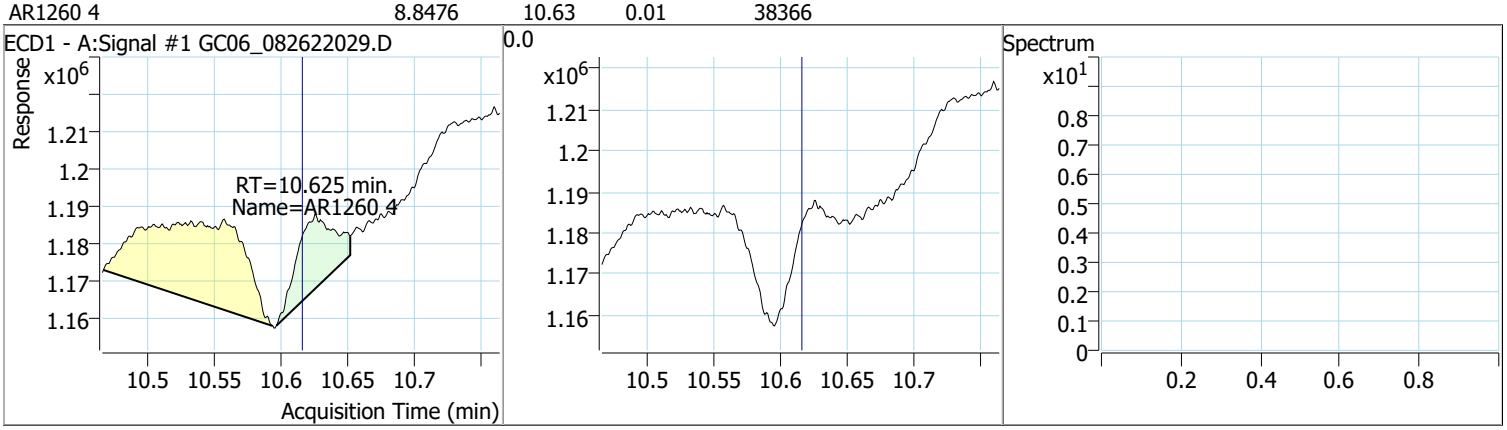
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1.8989	10.14	0.05	16557				



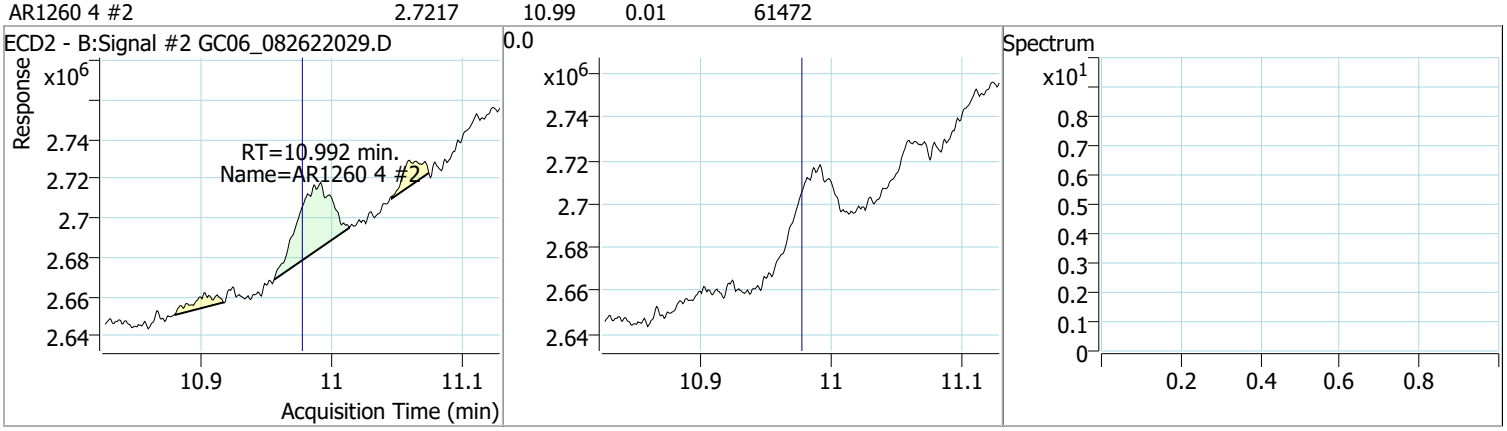
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	6.4456	10.47	-0.01	269032				



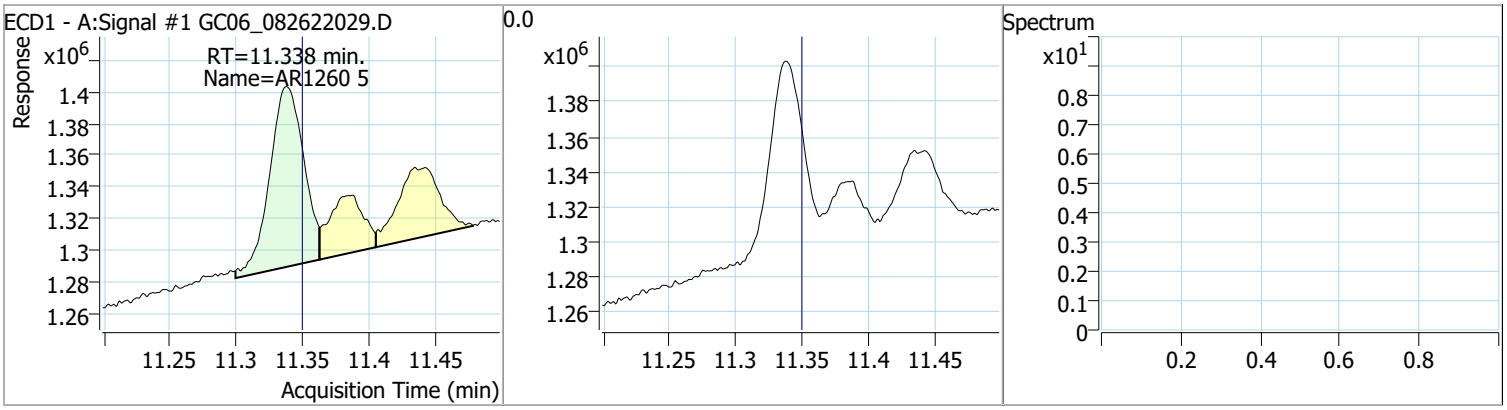
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	8.8476	10.63	0.01	38366				



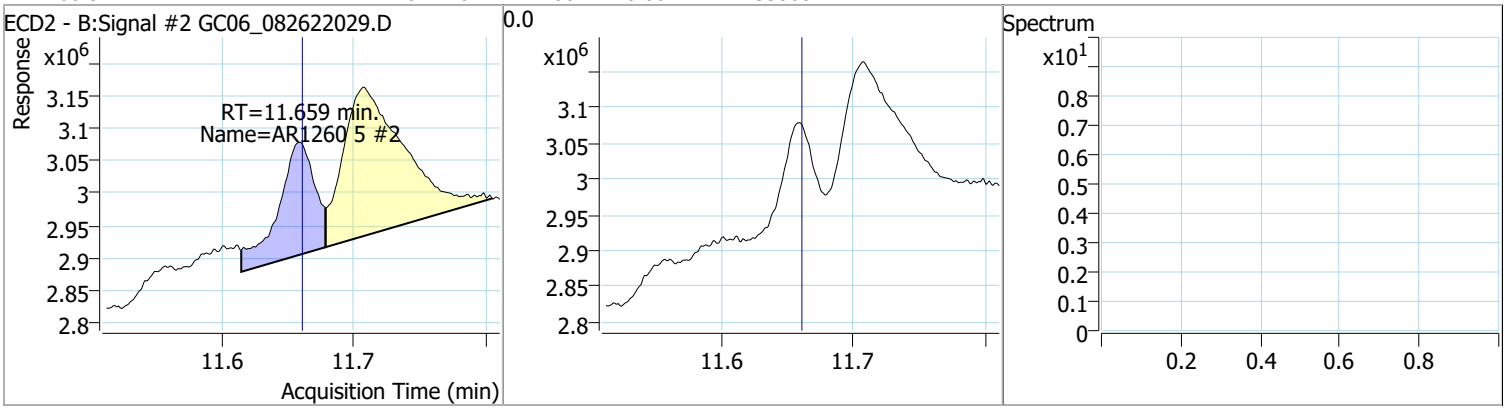
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	2.7217	10.99	0.01	61472				



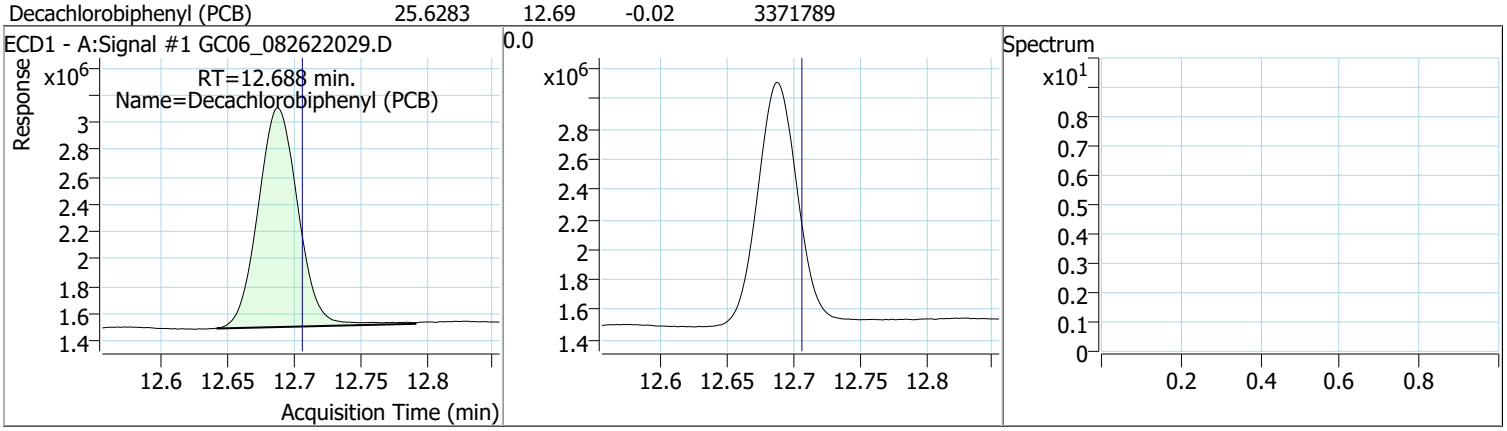
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	35.4814	11.34	-0.01	203635				



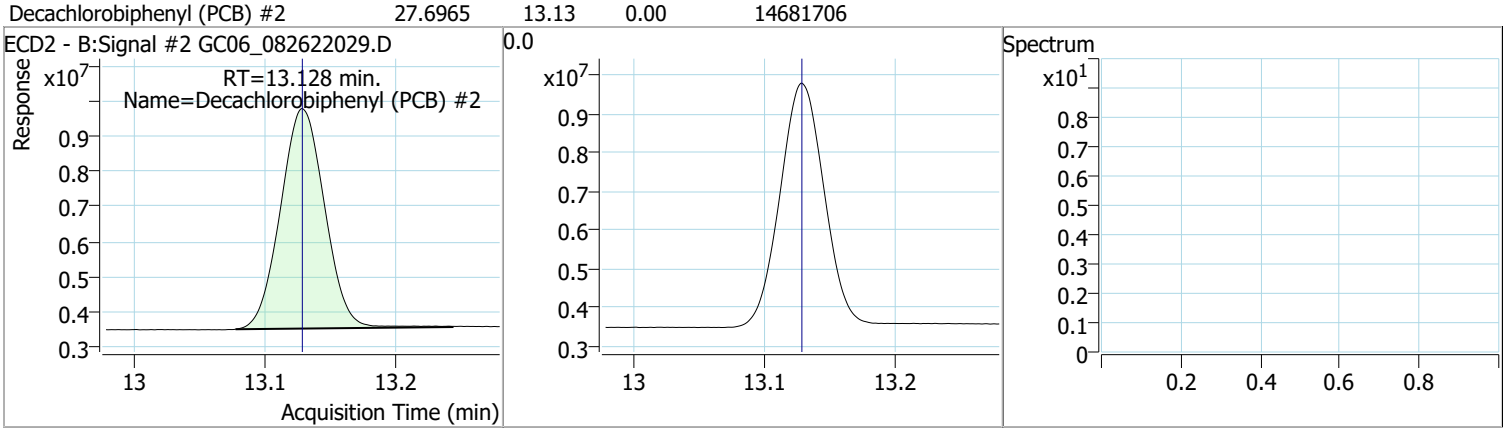
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	10.1710	11.66	0.00	338681				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	25.6283	12.69	-0.02	3371789				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	27.6965	13.13	0.00	14681706				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 467872 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Lab ID:	QC1008491		
Seqnum:	452343556030.1	Matrix:	Wipe		
File:	gc06_082622030	Batch:	295631	Time:	26-AUG-2022 22:13
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Flags
Aroclor-1016	A	18.72	ND	0.078	82%	0.50	u
Aroclor-1016 Peak # 1	A	3.478	0.03	0.02	50%		
Aroclor-1016 Peak # 2	A	21.34	0.21	0.10	74%		
Aroclor-1016 Peak # 3	A	6.854	0.07	0.08	21%		
Aroclor-1016 Peak # 4	A	11.97	0.12	0.11	6%		
Aroclor-1016 Peak # 5	A	49.96	0.50	0.07	148%		
Aroclor-1221	A		ND			0.50	u
Aroclor-1232	A		ND			0.50	u
Aroclor-1242	A		ND			0.50	u
Aroclor-1248	A		ND			0.50	u
Aroclor-1254	A		ND			0.50	u
Aroclor-1260	A	5.557	ND	0.031	56%	0.50	u
Aroclor-1260 Peak # 1	A	0.1362	0.00	0.00	24%		
Aroclor-1260 Peak # 2	A	0.6920	0.01	0.00	173%		
Aroclor-1260 Peak # 3	A	0.7388	0.01	0.00	42%		
Aroclor-1260 Peak # 4	A	0.6793	0.01	0.01	37%		
Aroclor-1260 Peak # 5	A	25.54	0.26	0.14	58%		
Aroclor-1262	A		ND			0.50	u
Aroclor-1268	A		ND			0.50	u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	51.32	0.5000	0.5132	103	52-186	c+ u
Decachlorobiphenyl (PCB)	A	32.54	0.5000	0.3254	65	60-140	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622002)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	8469873	3.06
1-bromo-2-nitrobenzene (PCB)	A	1919479	1541915	-19.67

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

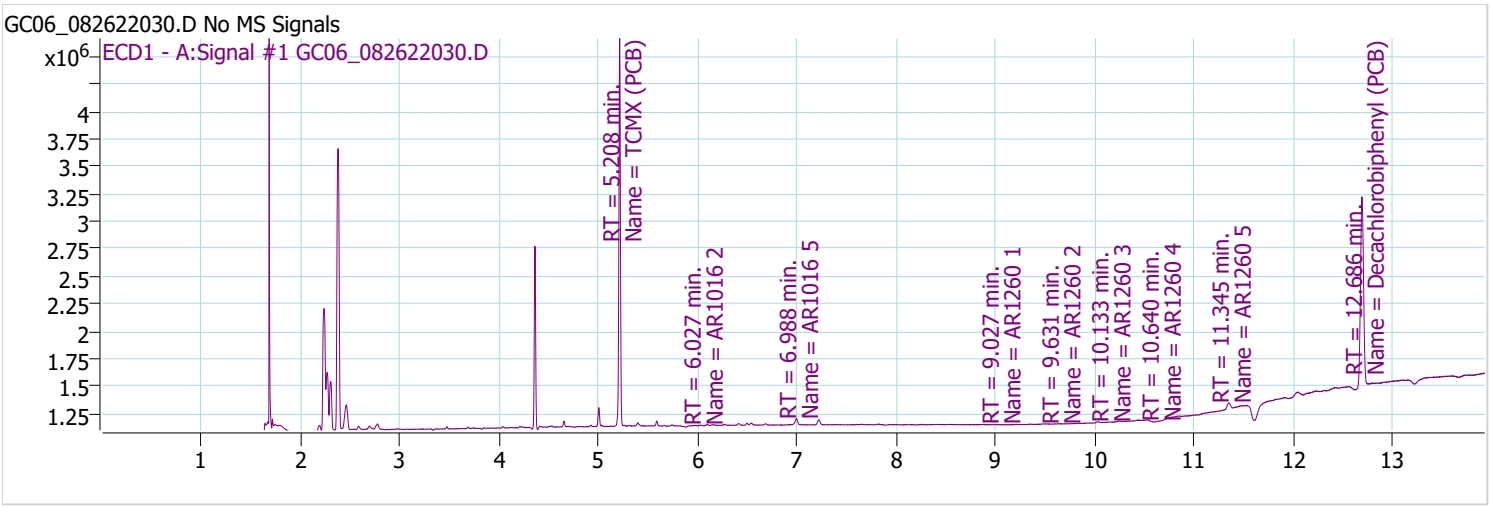
ISTD (CCV gc06_082622002)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.12	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

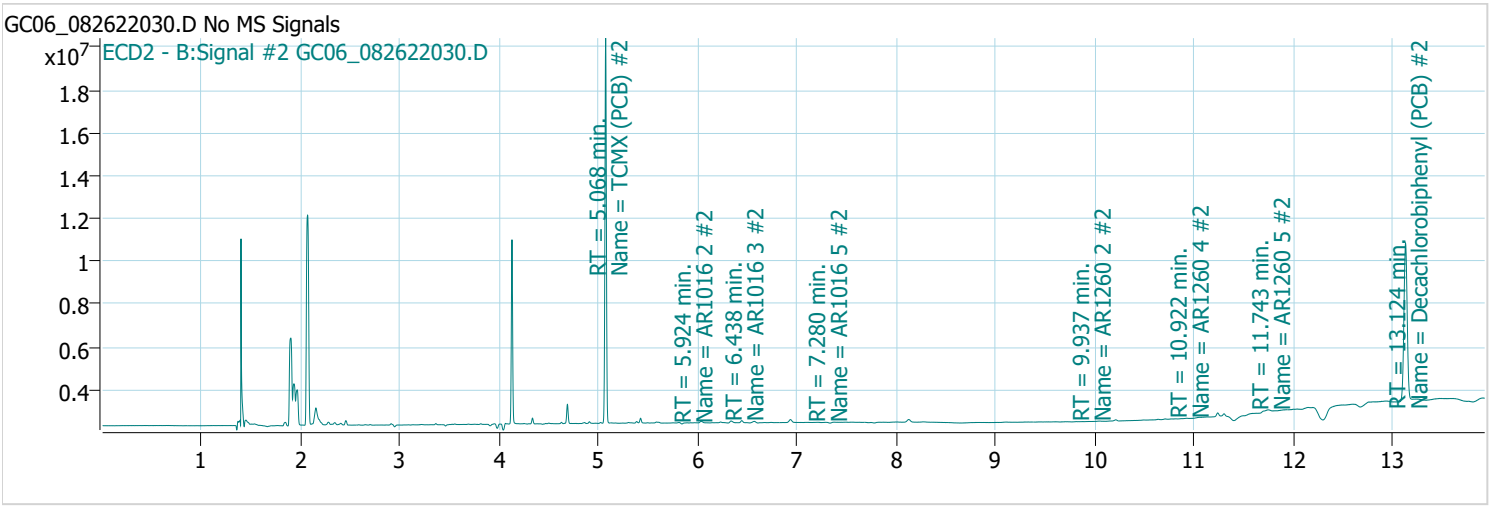
Analyst: TRN 08/30/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622030.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 10:13:52 PM
Sample Name	QC1008491, 295631, 1	Instrument	SVOA-GC06
Vial	20	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



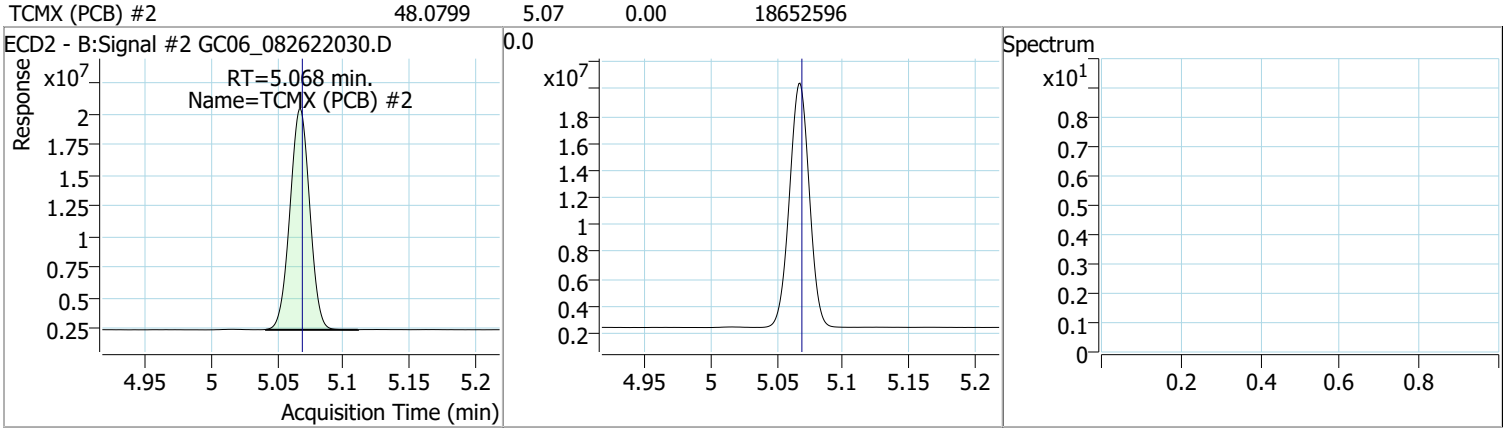


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	8469872.711	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB)	4.355	0.0	1541914.689	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB) #2	5.068	0.0	18652596.113	48.0799	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 240.40%		*	
S TCMX (PCB)	5.208	0.0	3805021.266	51.3037	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 256.52%		*	
S Decachlorobiphenyl (PCB)	12.686	0.0	3813726.525	32.5297	ng/ml		-0.020
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 162.65%		*	
S Decachlorobiphenyl (PCB) #2	13.124	0.0	16954088.640	33.1724	ng/ml		-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 165.86%		*	
Target Compounds							QValue

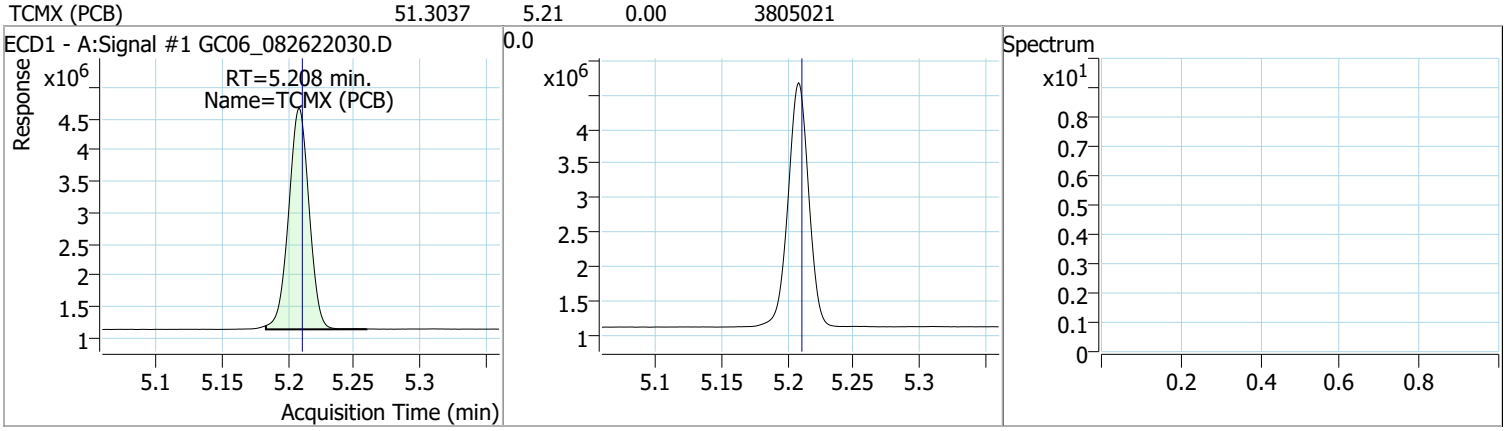
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.484	0.0	16499.047	2.0801	ng/ml	100
T AR1016 1	5.554	0.0	5244.296	3.4770	ng/ml	100
T AR1016 2 #2	5.924	0.0	161527.635	9.8131	ng/ml	100
T AR1016 2	6.027	0.0	70056.033	21.3322	ng/ml	100
T AR1016 3 #2	6.438	0.0	183335.564	8.4455	ng/ml	100
T AR1016 3	6.409	0.0	26483.545	6.8521	ng/ml	100
T AR1016 4	6.532	0.0	34621.909	11.9702	ng/ml	100
T AR1016 4 #2	6.565	0.0	165204.538	11.2175	ng/ml	100
T AR1016 5	6.988	0.0	111749.365	49.9472	ng/ml	100
T AR1016 5 #2	7.280	0.0	85450.378	7.4212	ng/ml	100
T AR1260 1	9.027	0.0	660.847	0.1362	ng/ml	100
T AR1260 1 #2	9.546	0.0	2755.435	0.1075	ng/ml	100
T AR1260 2	9.631	0.0	5170.378	0.6918	ng/ml	100
T AR1260 2 #2	9.937	0.0	1495.708	0.0505	ng/ml	100
T AR1260 3	10.133	0.0	5738.903	0.7386	ng/ml	100
T AR1260 3 #2	10.483	0.0	19466.828	0.4837	ng/ml	100
T AR1260 4	10.640	0.0	2624.404	0.6792	ng/ml	100
T AR1260 4 #2	10.922	0.0	21511.536	0.9879	ng/ml	100
T AR1260 5	11.345	0.0	130567.451	25.5301	ng/ml	100
T AR1260 5 #2	11.743	0.0	449602.538	14.0041	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

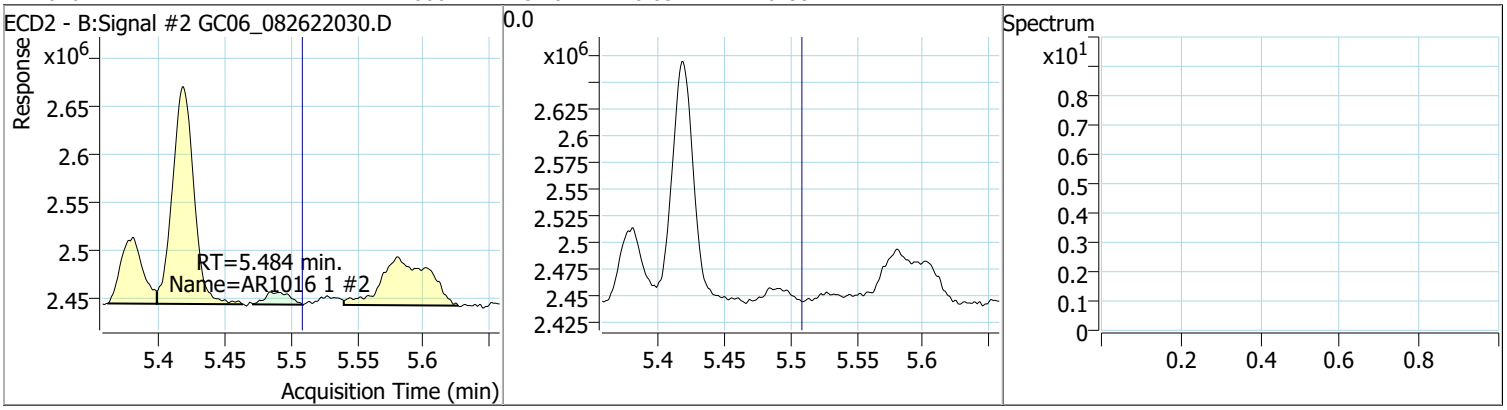
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	48.0799	5.07	0.00	18652596				



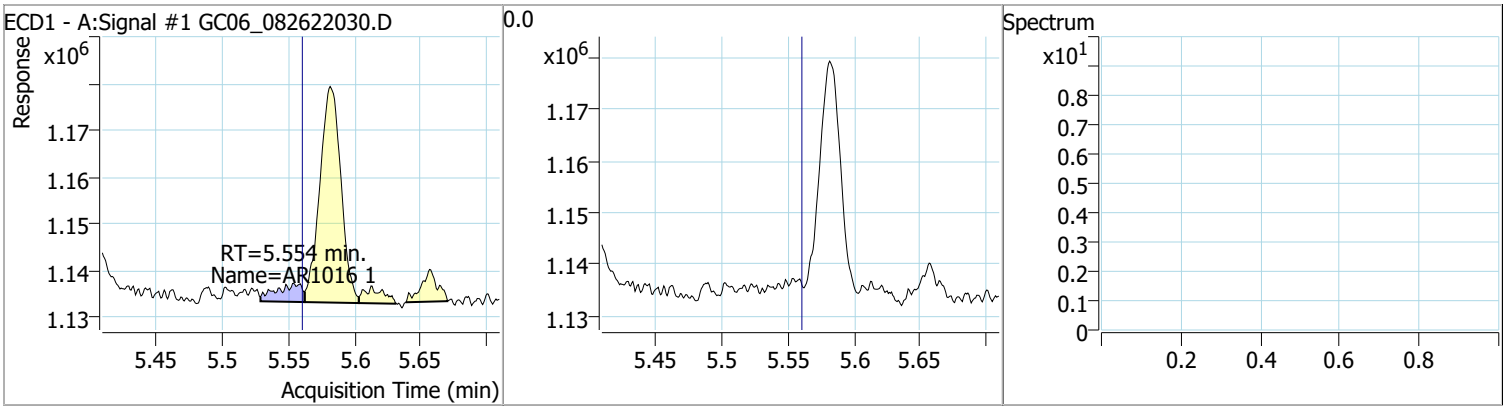
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	51.3037	5.21	0.00	3805021				



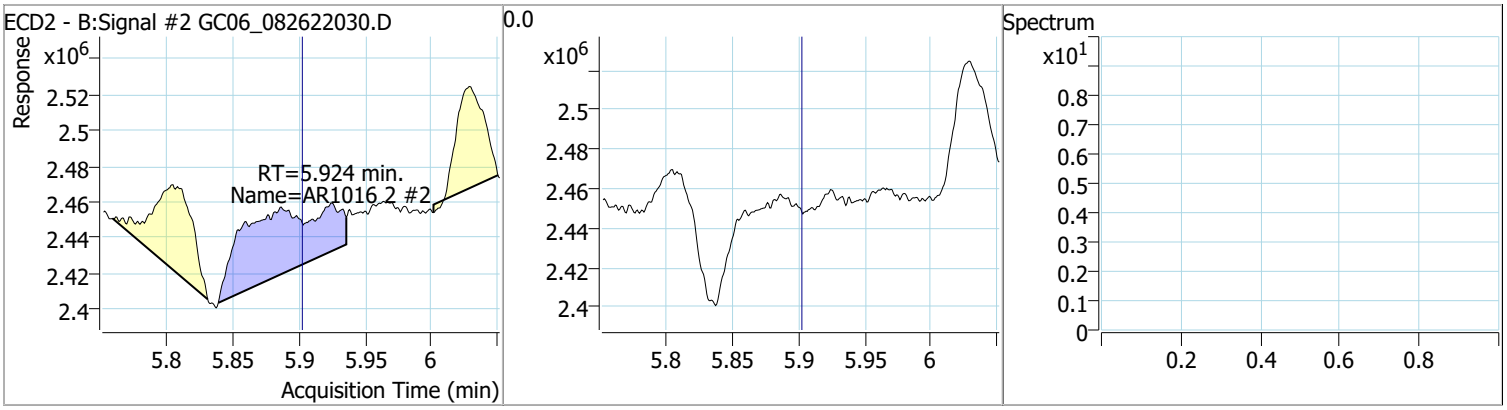
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	2.0801	5.48	-0.03	16499				



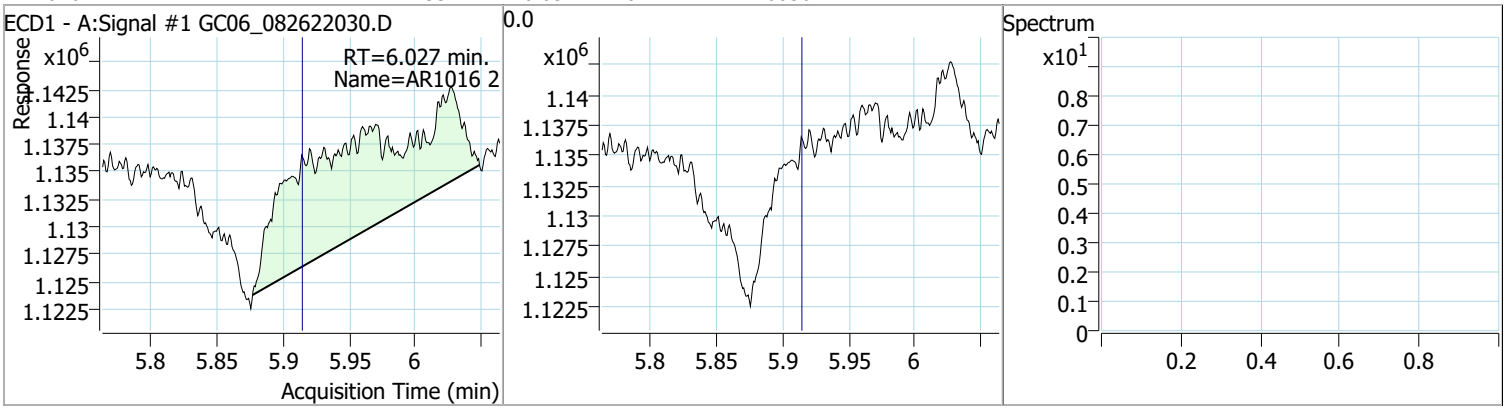
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	3.4770	5.55	-0.01	5244				



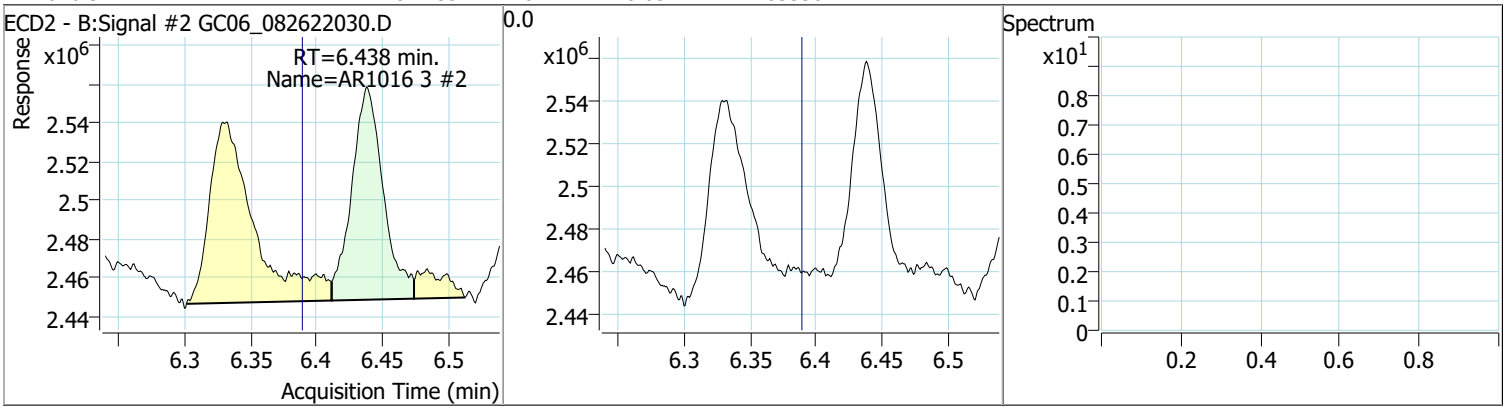
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	9.8131	5.92	0.02	161528				



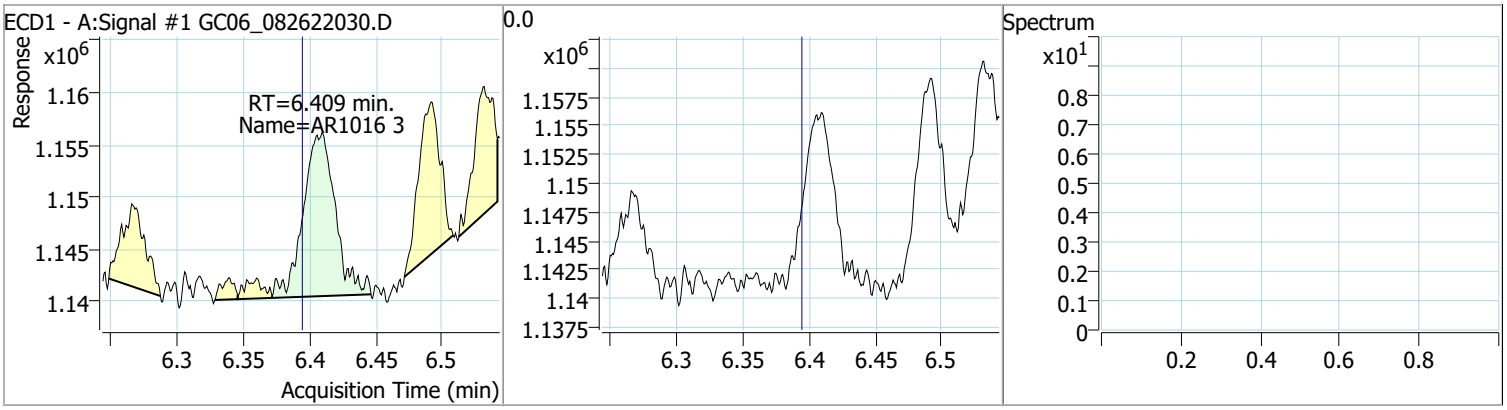
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	21.3322	6.03	0.11	70056				



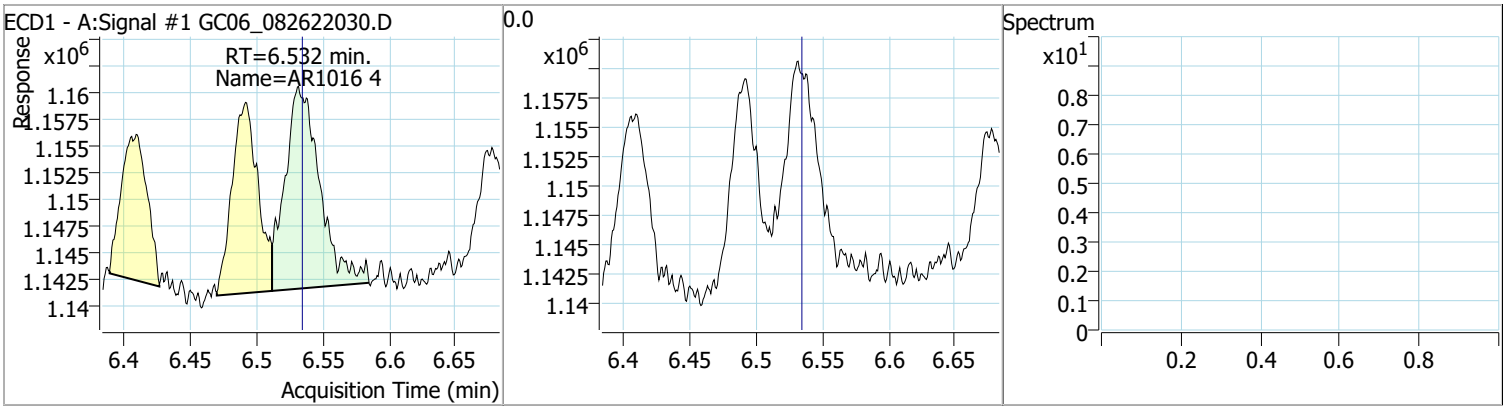
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	8.4455	6.44	0.05	183336				



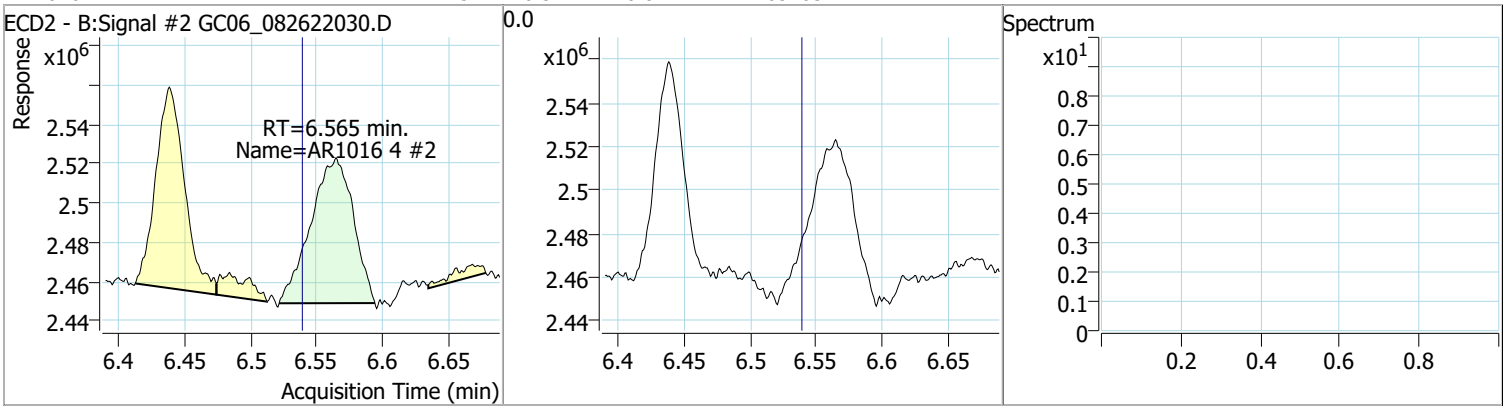
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	6.8521	6.41	0.01	26484				



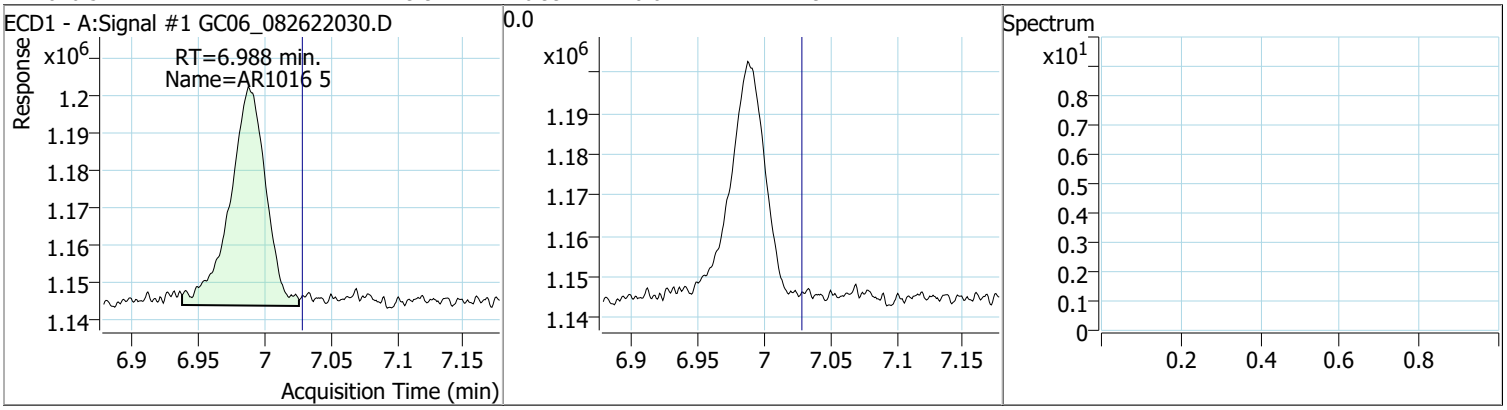
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	11.9702	6.53	0.00	34622				



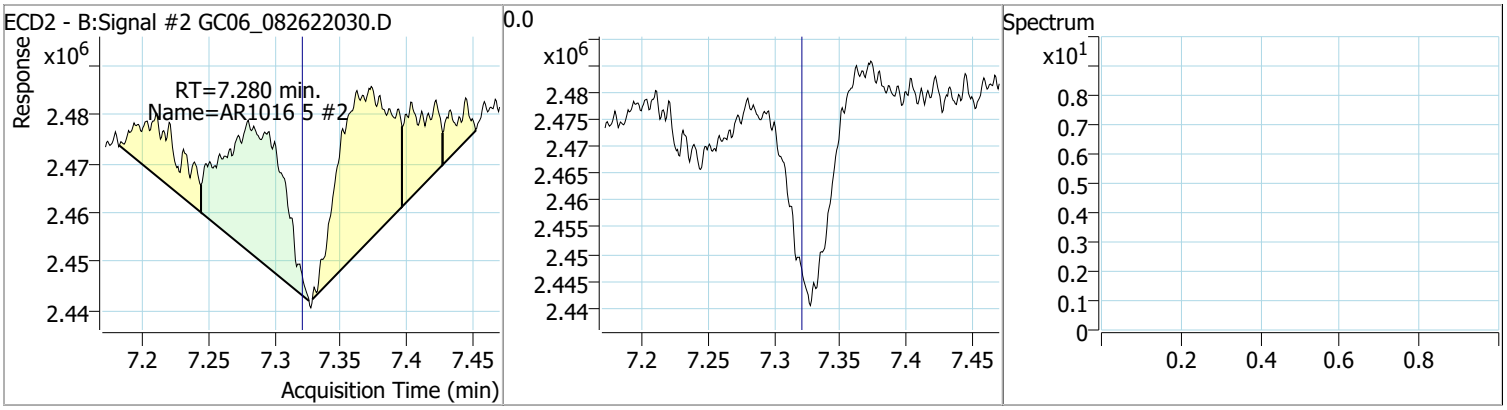
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	11.2175	6.57	0.02	165205				



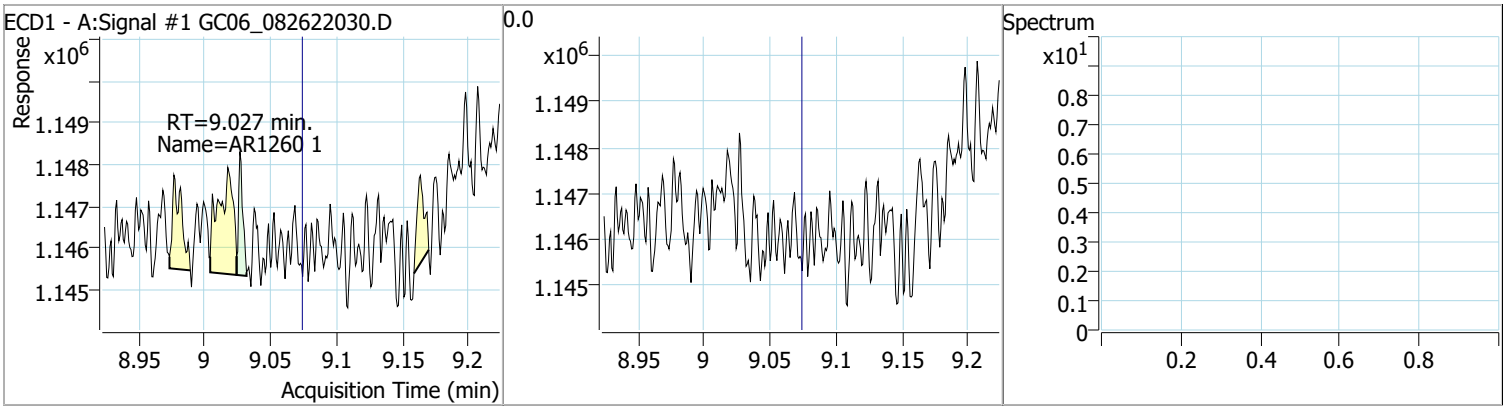
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	49.9472	6.99	-0.04	111749				



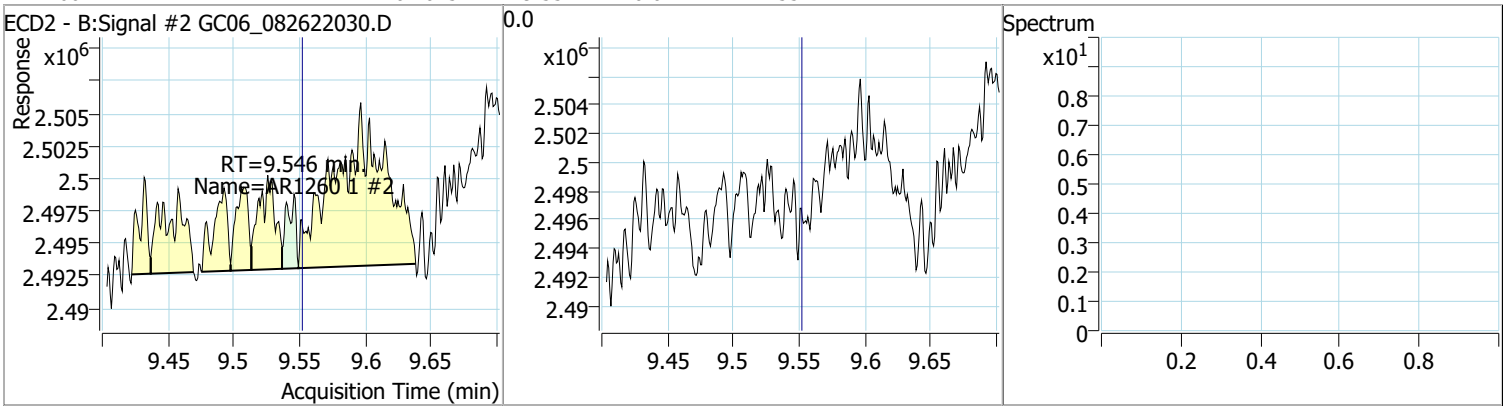
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	7.4212	7.28	-0.04	85450				



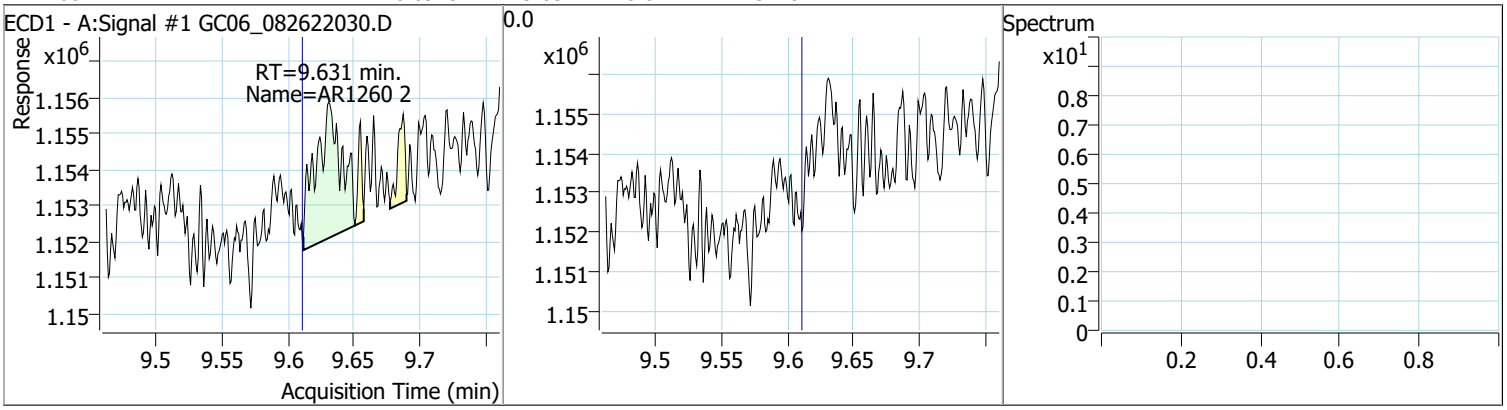
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	0.1362	9.03	-0.05	661				



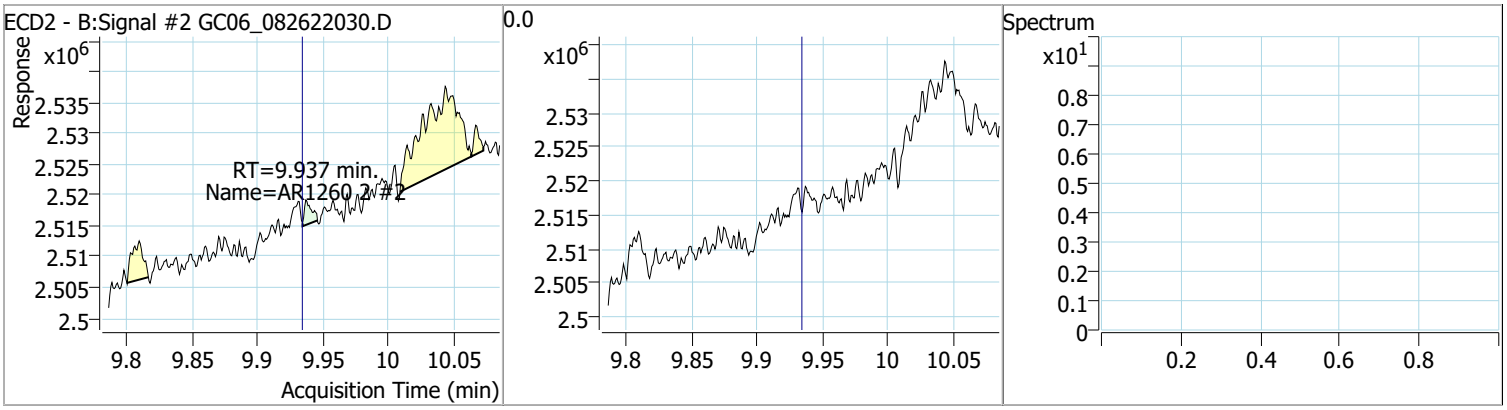
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.1075	9.55	-0.01	2755				



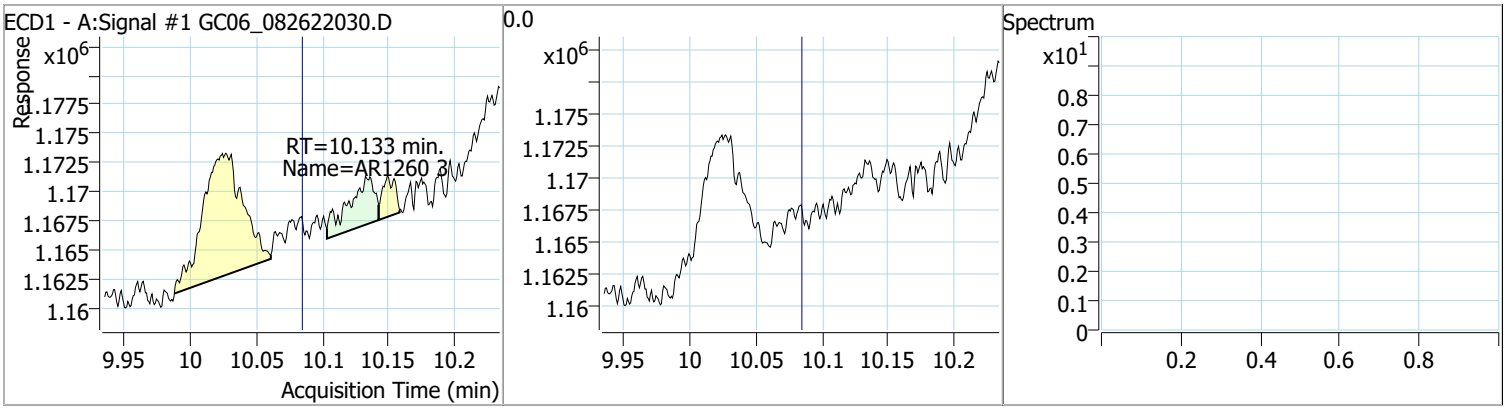
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.6918	9.63	0.02	5170				



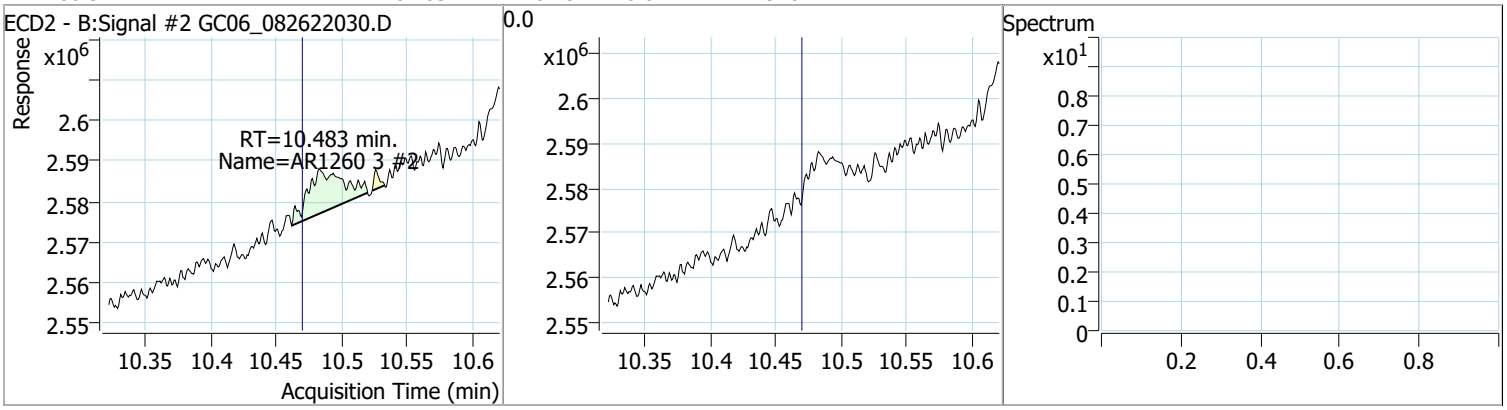
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.0505	9.94	0.00	1496				



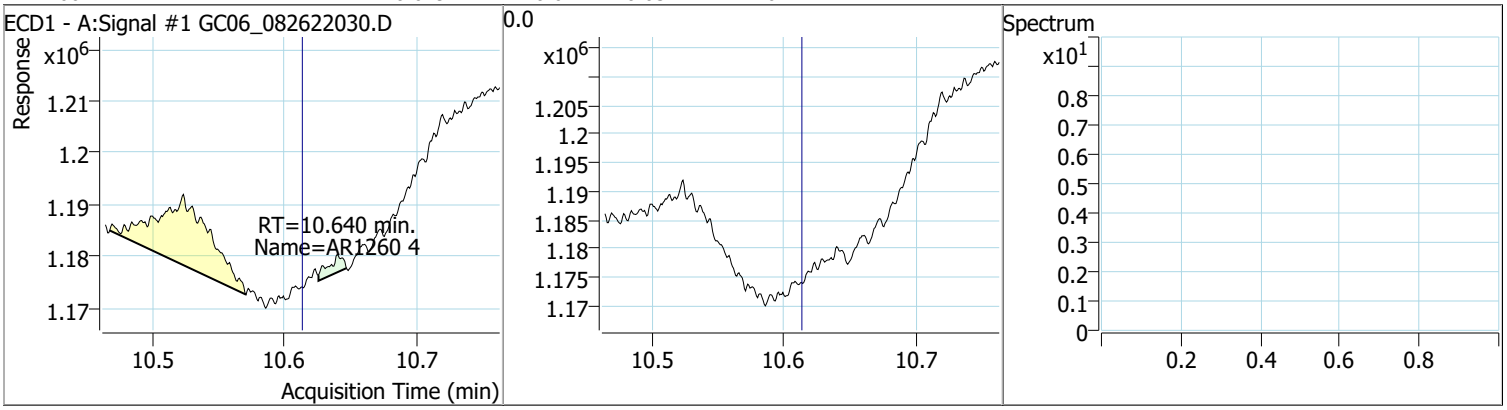
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.7386	10.13	0.05	5739				



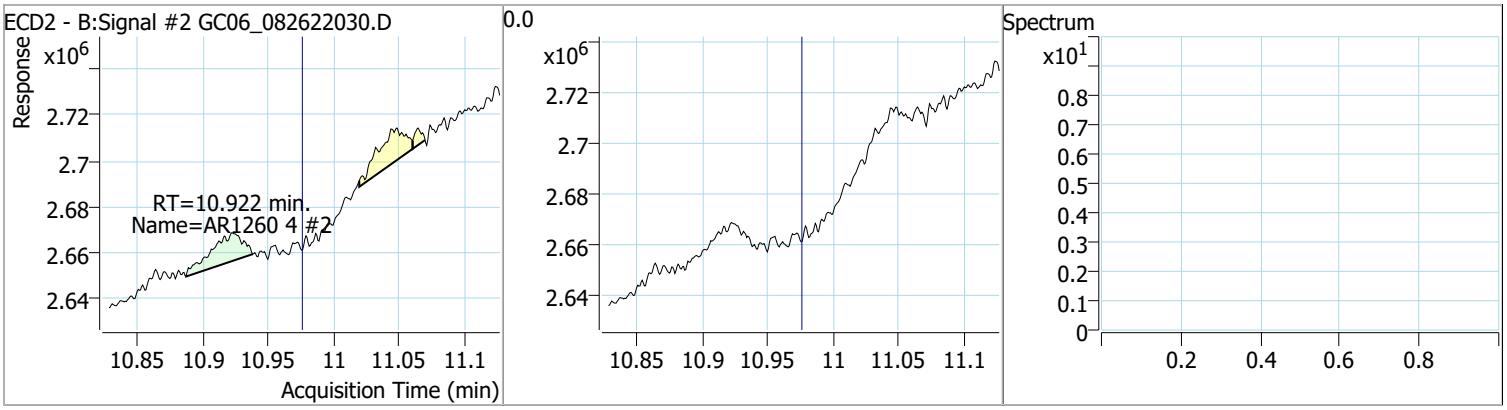
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	0.4837	10.48	0.01	19467				



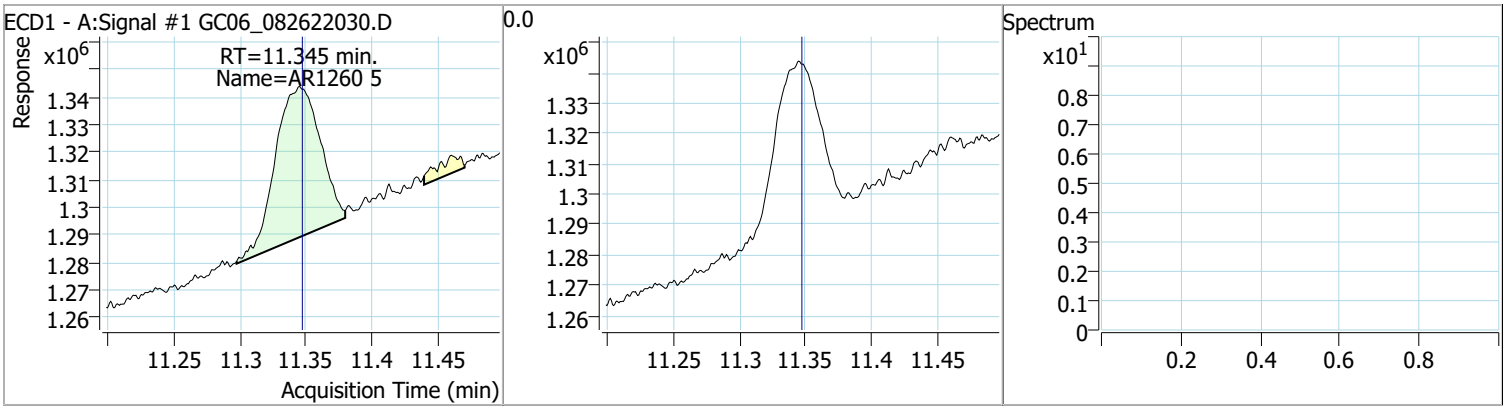
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	0.6792	10.64	0.03	2624				



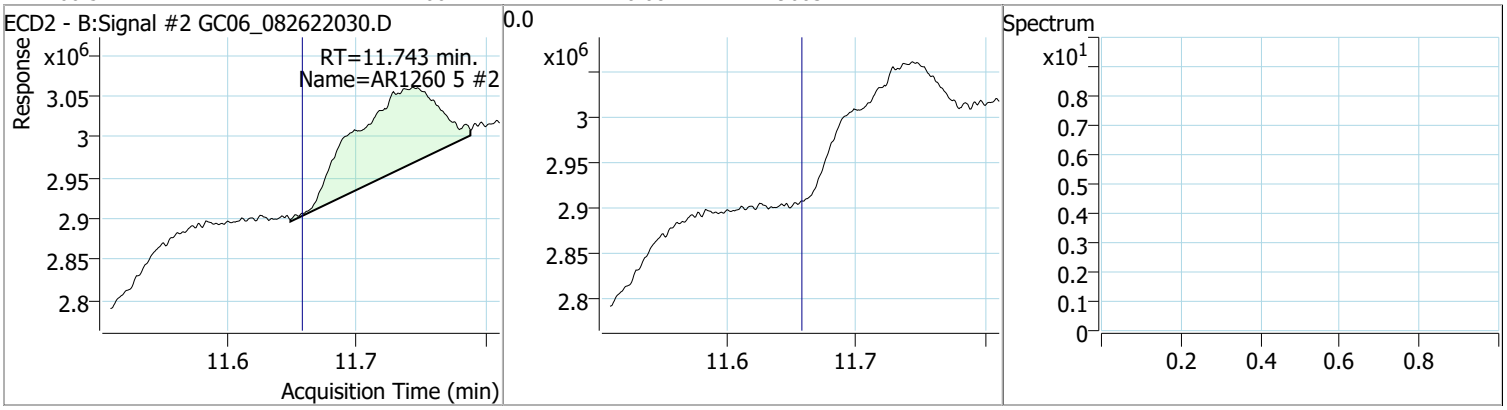
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.9879	10.92	-0.06	21512				



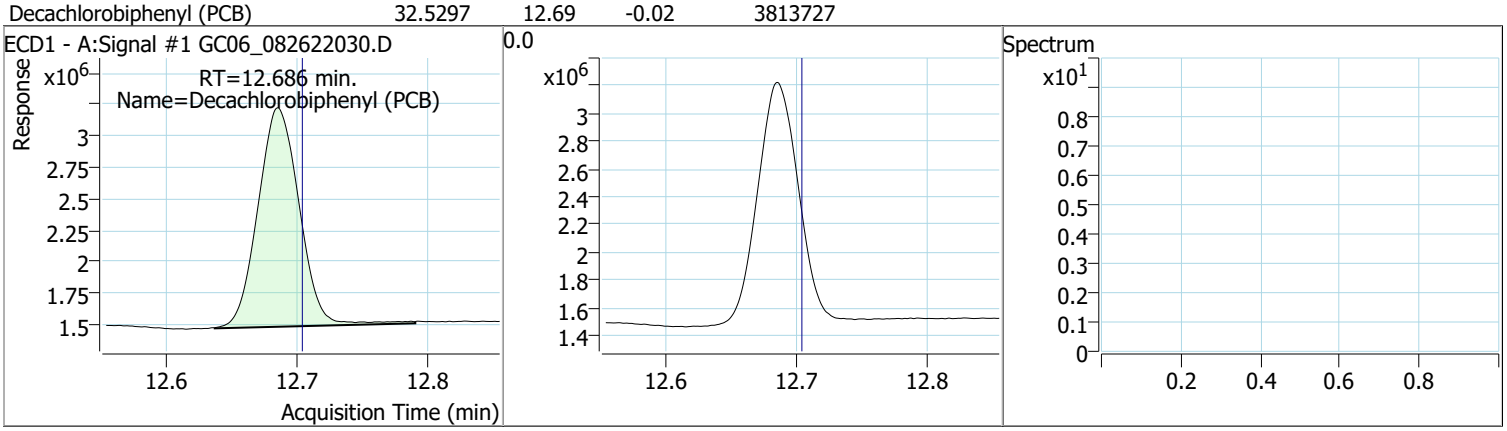
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	25.5301	11.35	0.00	130567				



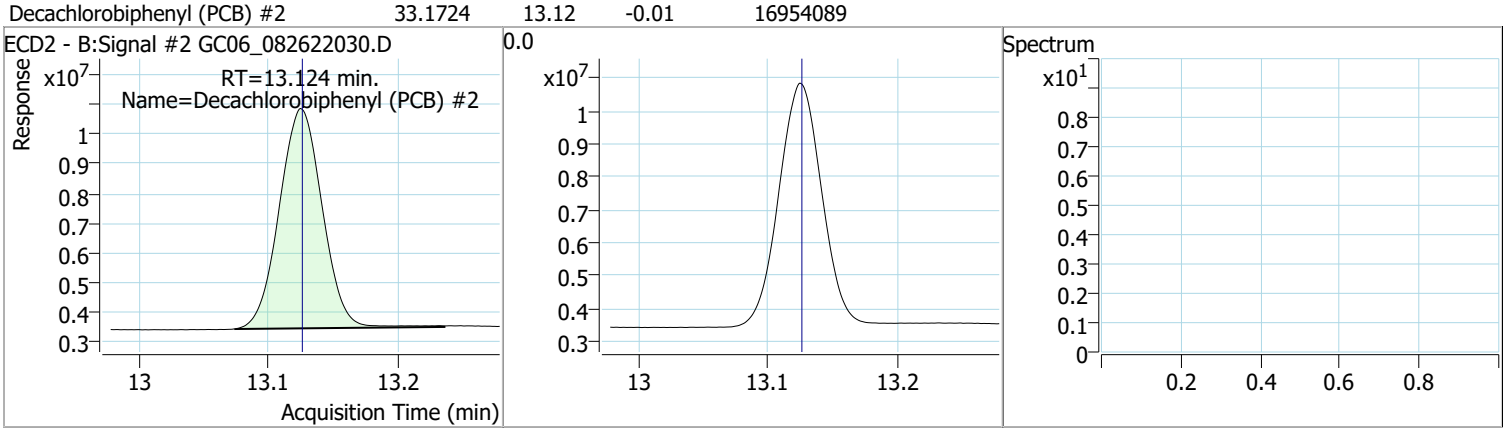
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	14.0041	11.74	0.08	449603				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	32.5297	12.69	-0.02	3813727				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	33.1724	13.12	-0.01	16954089				



ENTHALPY BLANK USER REPORT FOR 467872 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Lab ID:	QC1008494		
Seqnum:	452343556013.5	Matrix:	Wipe		
File:	gc06_082622013	Batch:	295632	Time:	26-AUG-2022 17:17
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Flags
Aroclor-1016	A	22.15	ND	0.098	77%	0.50	u
Aroclor-1016 Peak # 1	A	33.85	0.34	0.03	168%		
Aroclor-1016 Peak # 2	A	8.518	0.09	0.13	44%		
Aroclor-1016 Peak # 3	A	6.310	0.06	0.09	33%		
Aroclor-1016 Peak # 4	A	11.44	0.11	0.13	12%		
Aroclor-1016 Peak # 5	A	50.62	0.51	0.11	129%		
Aroclor-1221	A		ND			0.50	u
Aroclor-1232	A		ND			0.50	u
Aroclor-1242	A		ND			0.50	u
Aroclor-1248	A		ND			0.50	u
Aroclor-1254	A		ND			0.50	u
Aroclor-1260	A	12.95	ND	0.10	23%	0.50	u
Aroclor-1260 Peak # 1	A	0.4210	0.00	0.42	196%		
Aroclor-1260 Peak # 2	A	0.1562	0.00	0.01	153%		
Aroclor-1260 Peak # 3	A	6.340	0.06	0.01	128%		
Aroclor-1260 Peak # 4	A	0.9714	0.01	0.04	126%		
Aroclor-1260 Peak # 5	A	56.85	0.57	0.02	185%		
Aroclor-1262	A		ND			0.50	u
Aroclor-1268	A		ND			0.50	u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	46.11	0.5000	0.4611	92	52-186	c+ u
Decachlorobiphenyl (PCB)	A	36.94	0.5000	0.3694	74	60-140	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622002)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	10776439	31.12
1-bromo-2-nitrobenzene (PCB)	A	1919479	2035190	6.03

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

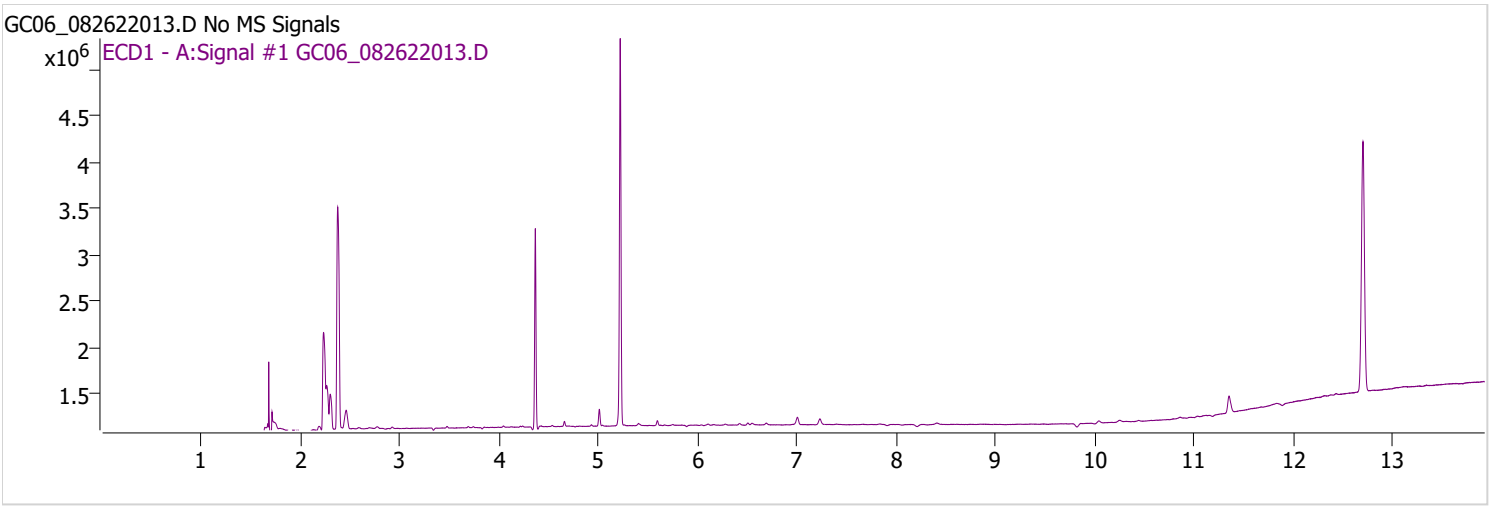
ISTD (CCV gc06_082622002)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

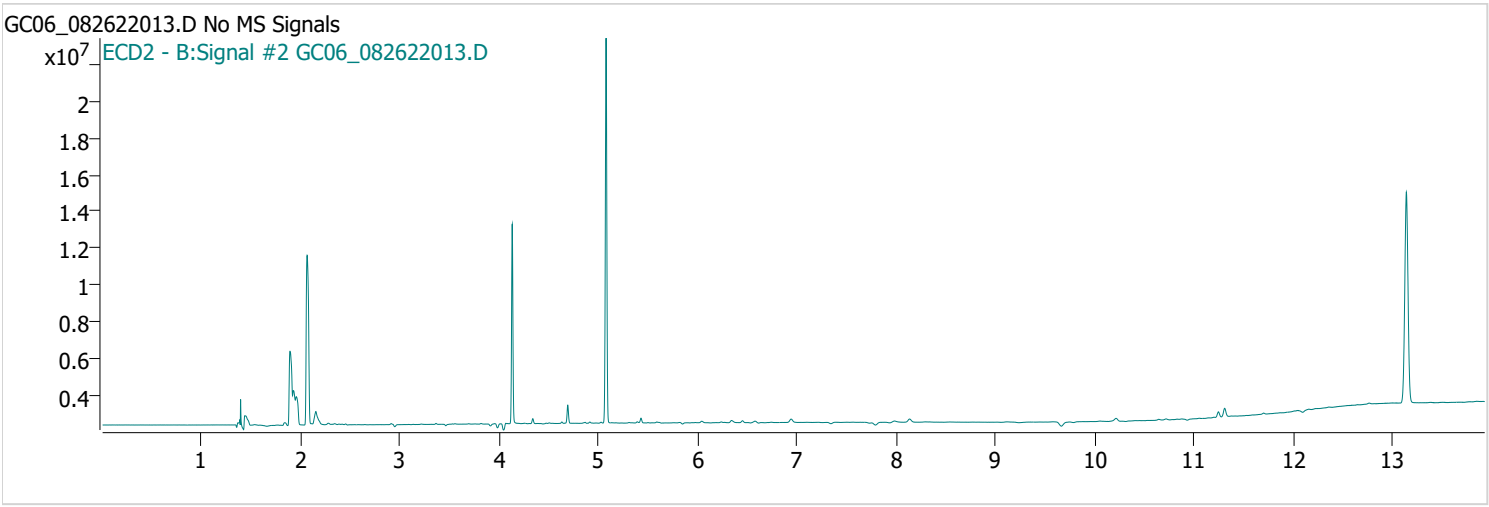
Analyst: TRN 08/30/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622013.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 5:17:47 PM
Sample Name	QC1008494, 295632, 1	Instrument	SVOA-GC06
Vial	3	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



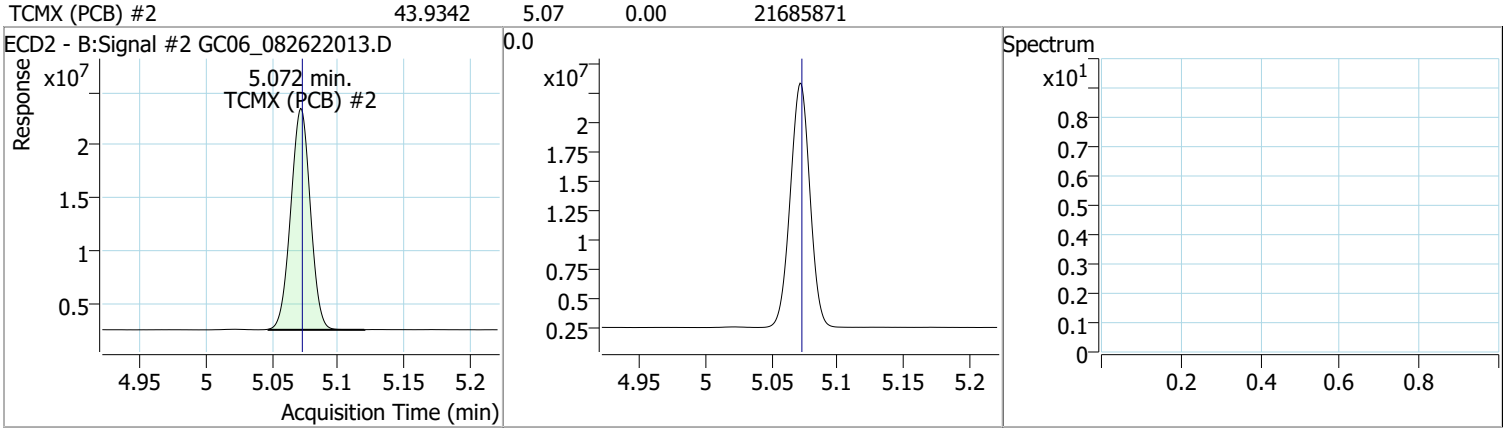


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.127	0.0	10776439.157	20.0000	ng/ml		0.002
M 1-bromo-2-nitrobenzene (PCB)	4.359	0.0	2035190.361	20.0000	ng/ml		0.003
System Monitoring Compounds							
S TCMX (PCB) #2	5.072	0.0	21685870.620	43.9342	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 219.67%		*	
S TCMX (PCB)	5.214	0.0	4512354.527	46.0946	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 230.47%		*	
S Decachlorobiphenyl (PCB)	12.697	0.0	5714684.403	36.9299	ng/ml		-0.009
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 184.65%		*	
S Decachlorobiphenyl (PCB) #2	13.133	0.0	26051940.607	40.0631	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 200.32%		*	
Target Compounds							QValue

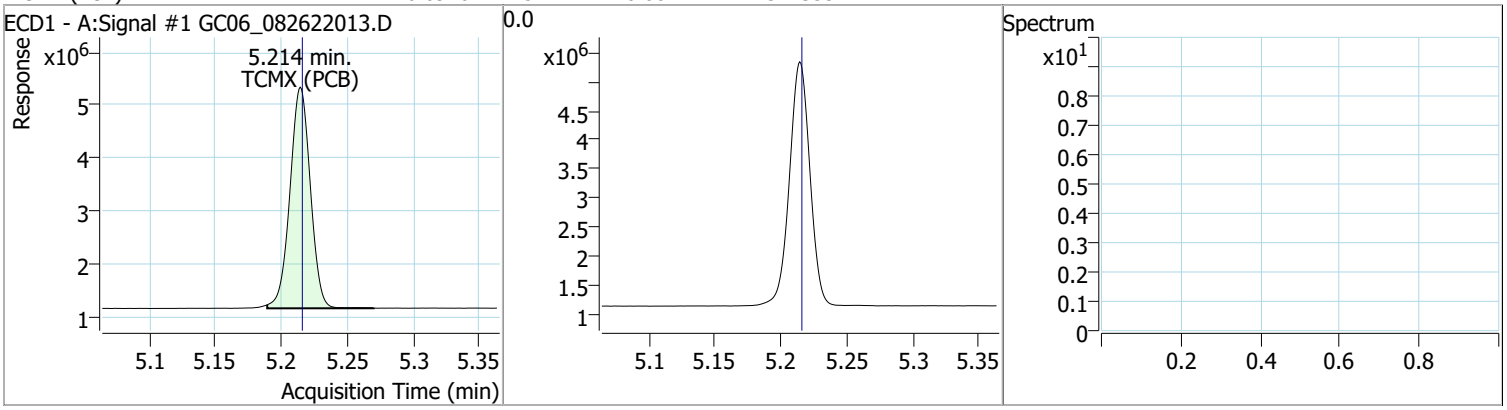
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.495	0.0	29841.819	2.9570	ng/ml	100
T AR1016 1	5.588	0.0	67375.033	33.8436	ng/ml	100
T AR1016 2 #2	5.971	0.0	278587.152	13.3022	ng/ml	100
T AR1016 2	5.832	0.0	36911.988	8.5156	ng/ml	100
T AR1016 3 #2	6.447	0.0	242956.791	8.7965	ng/ml	100
T AR1016 3	6.417	0.0	32184.252	6.3088	ng/ml	100
T AR1016 4	6.541	0.0	43649.254	11.4336	ng/ml	100
T AR1016 4 #2	6.572	0.0	241204.749	12.8724	ng/ml	100
T AR1016 5	6.998	0.0	149448.159	50.6072	ng/ml	100
T AR1016 5 #2	7.295	0.0	160523.223	10.9573	ng/ml	100
T AR1260 1	9.070	0.0	2695.846	0.4209	ng/ml	100
T AR1260 1 #2	9.579	0.0	1379085.786	42.2826	ng/ml	100
T AR1260 2	9.664	0.0	1540.640	0.1562	ng/ml	100
T AR1260 2 #2	10.053	0.0	44577.893	1.1829	ng/ml	100
T AR1260 3	10.036	0.0	65005.600	6.3388	ng/ml	100
T AR1260 3 #2	10.451	0.0	70787.974	1.3825	ng/ml	100
T AR1260 4	10.616	0.0	4952.980	0.9711	ng/ml	100
T AR1260 4 #2	10.873	0.0	117818.494	4.2524	ng/ml	100
T AR1260 5	11.348	0.0	383654.215	56.8347	ng/ml	100
T AR1260 5 #2	11.697	0.0	93305.551	2.2842	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

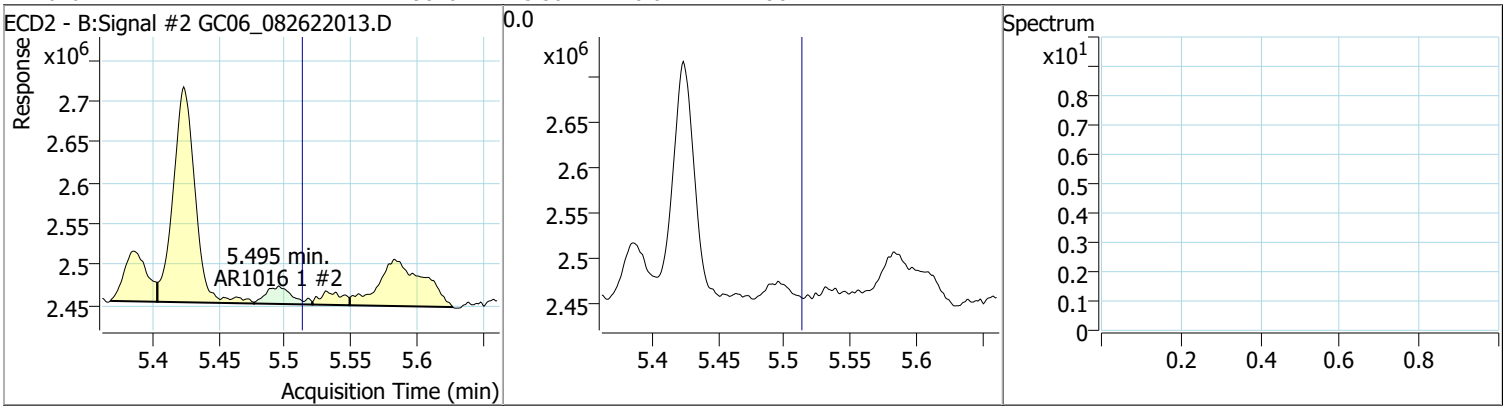
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	43.9342	5.07	0.00	21685871				



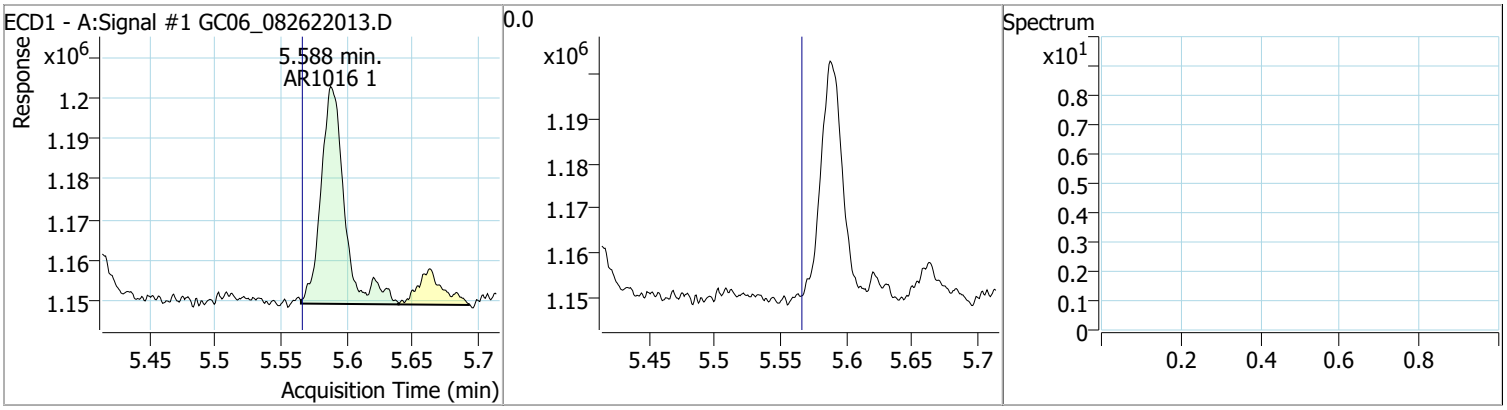
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	46.0946	5.21	0.00	4512355				



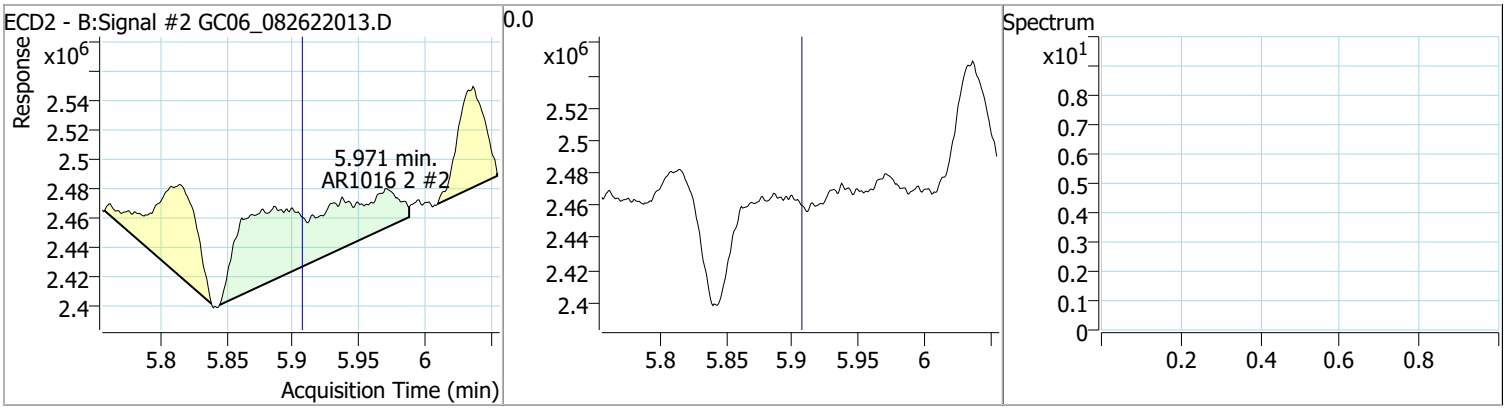
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	2.9570	5.50	-0.01	29842				



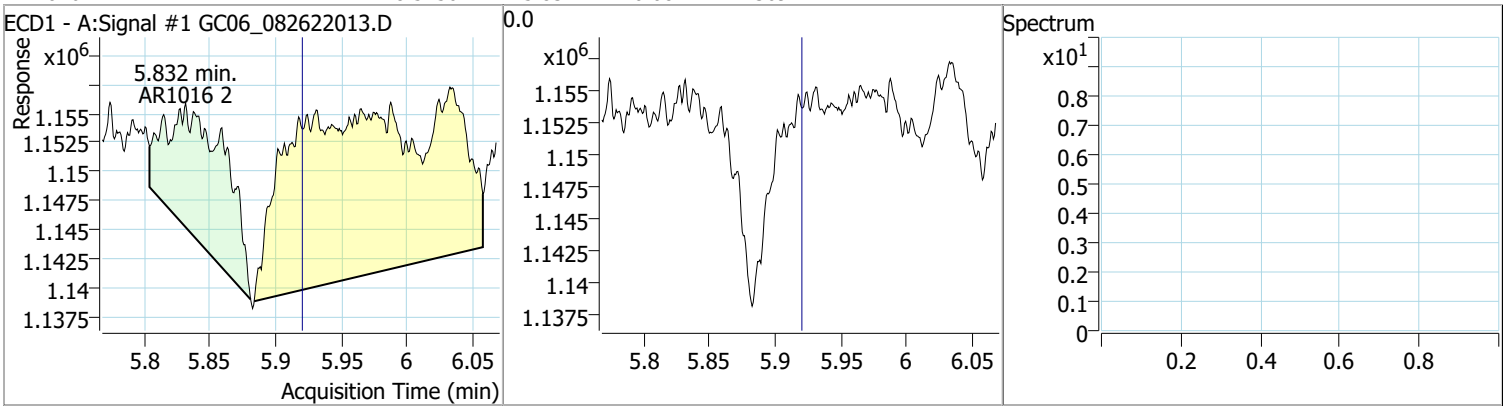
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	33.8436	5.59	0.03	67375				



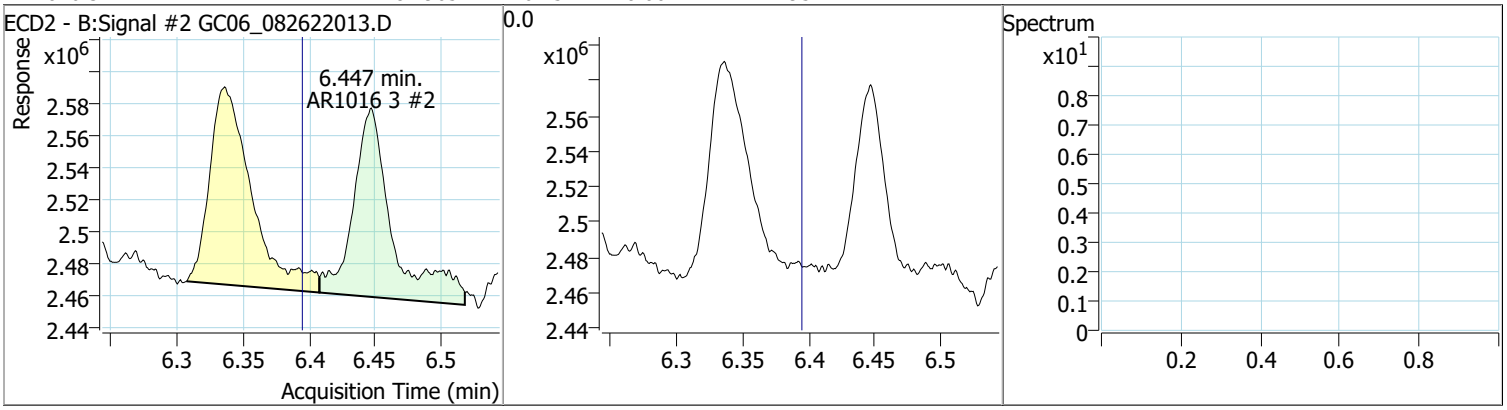
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	13.3022	5.97	0.07	278587				



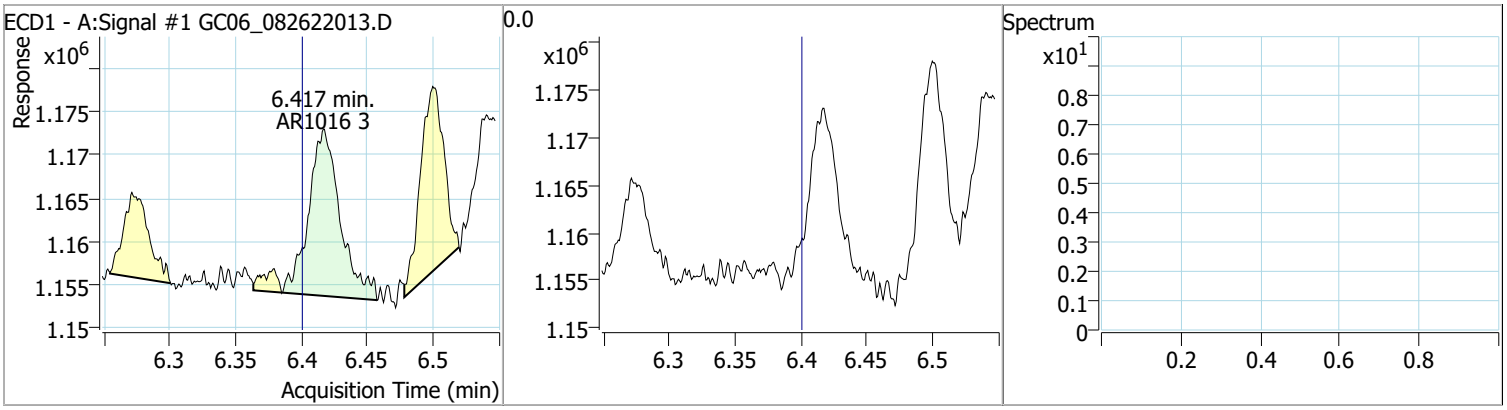
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	8.5156	5.83	-0.08	36912				



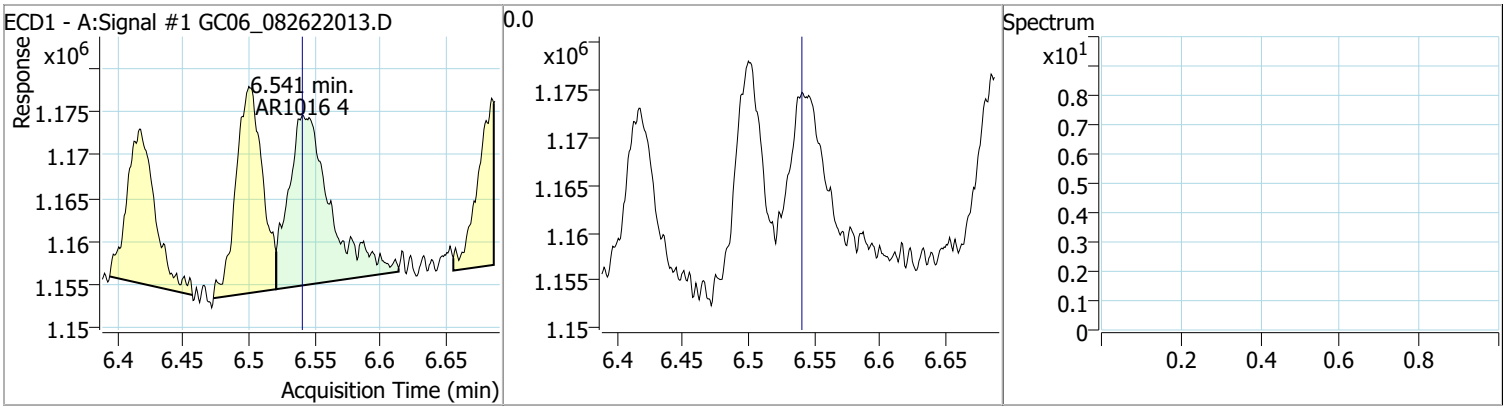
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	8.7965	6.45	0.06	242957				



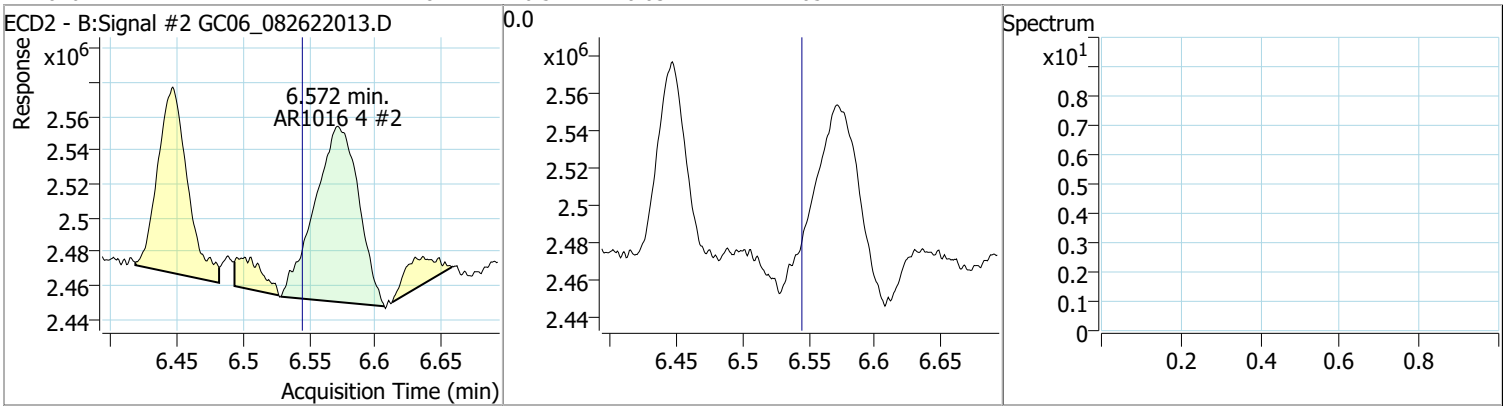
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	6.3088	6.42	0.02	32184				



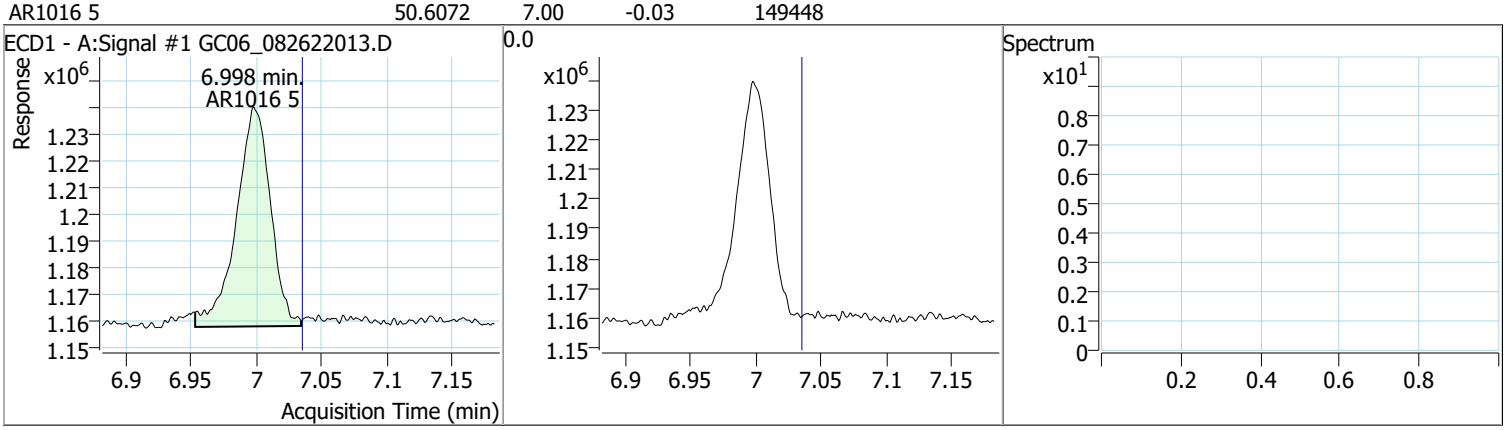
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	11.4336	6.54	0.01	43649				



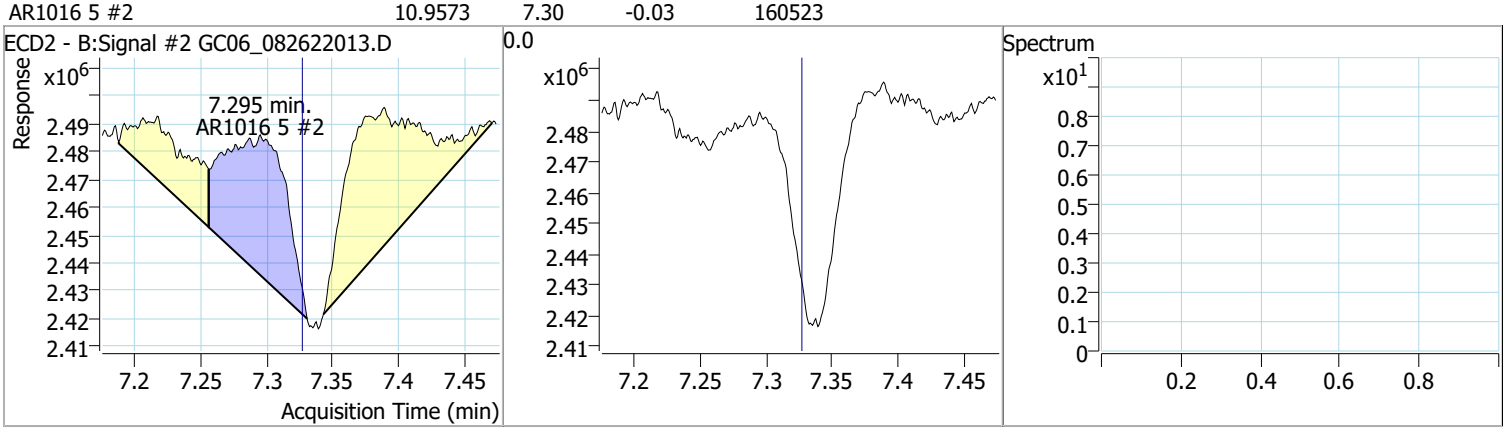
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	12.8724	6.57	0.03	241205				



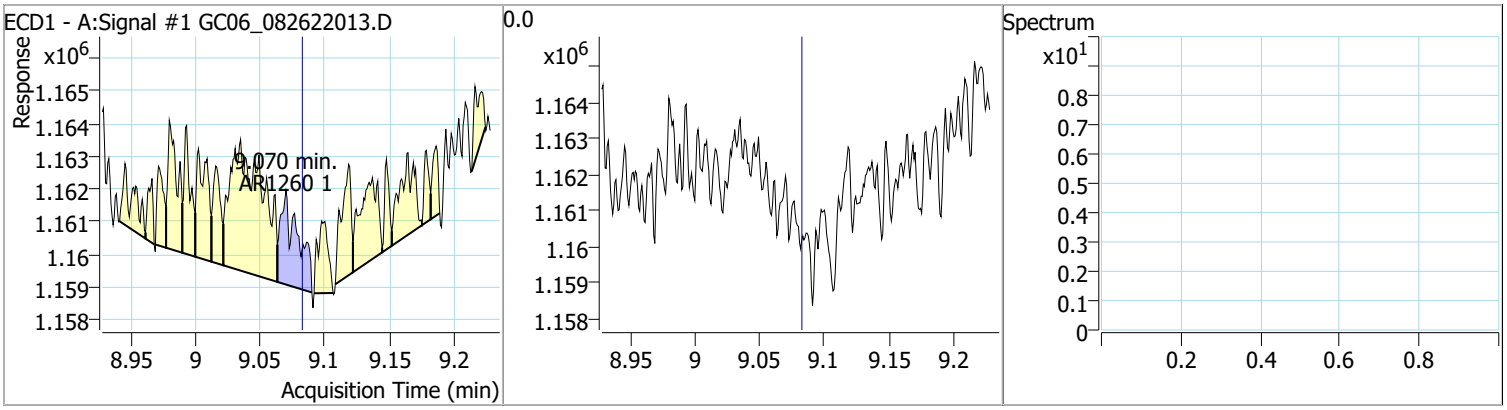
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	50.6072	7.00	-0.03	149448				



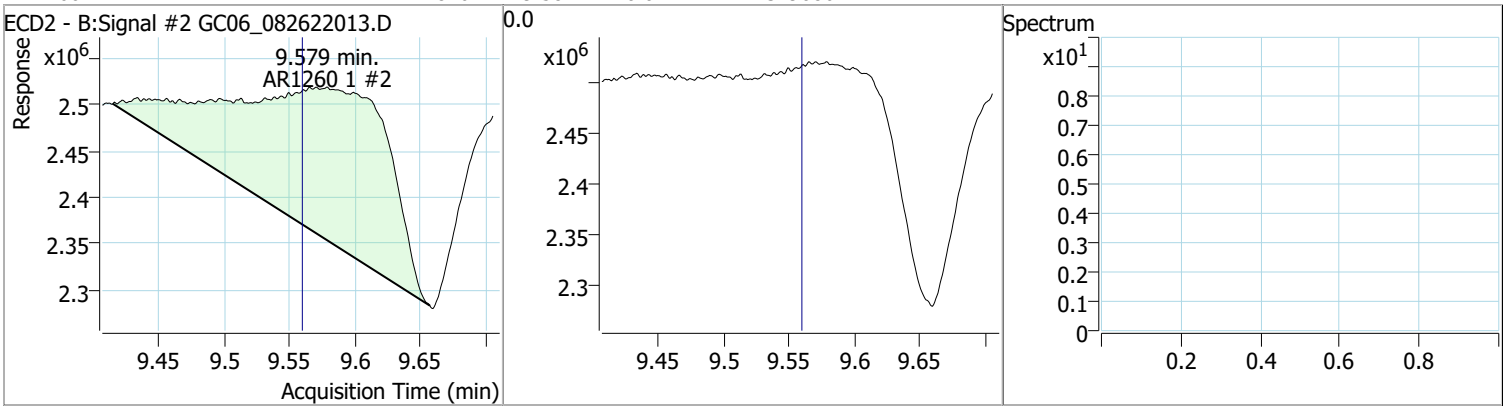
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	10.9573	7.30	-0.03	160523				



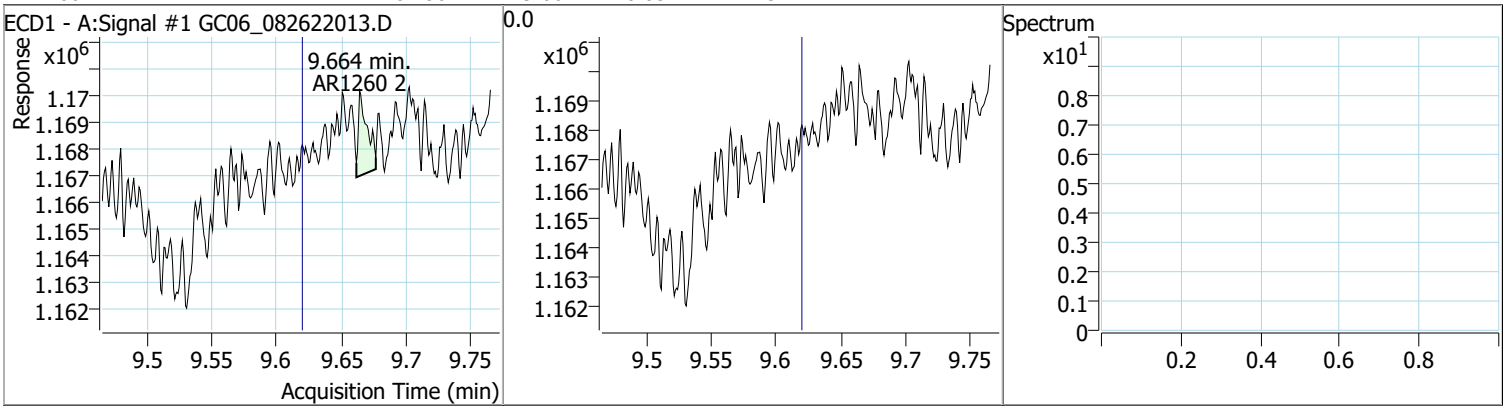
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	0.4209	9.07	0.00	2696				



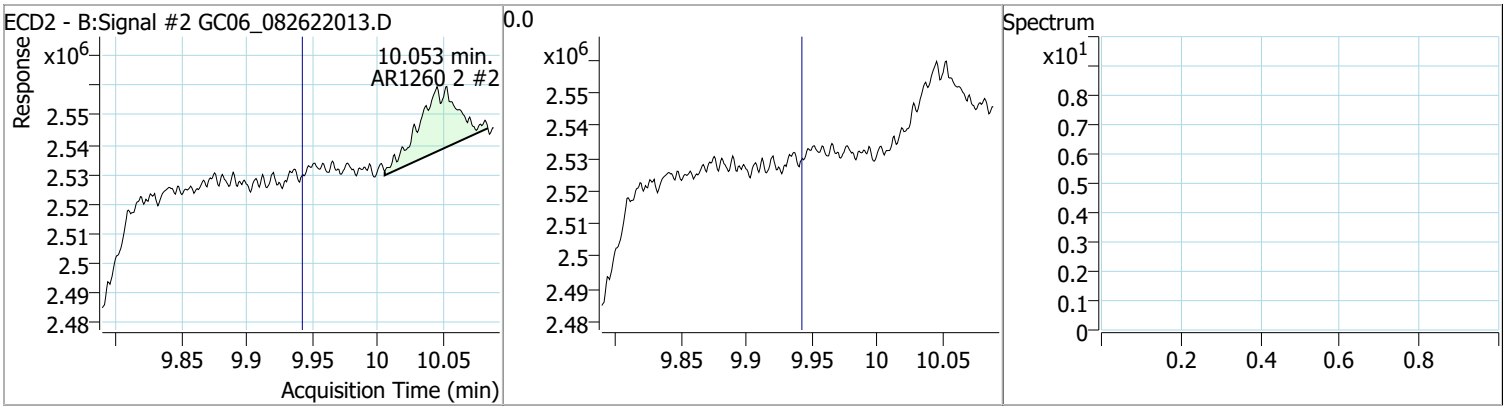
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	42.2826	9.58	0.02	1379086				



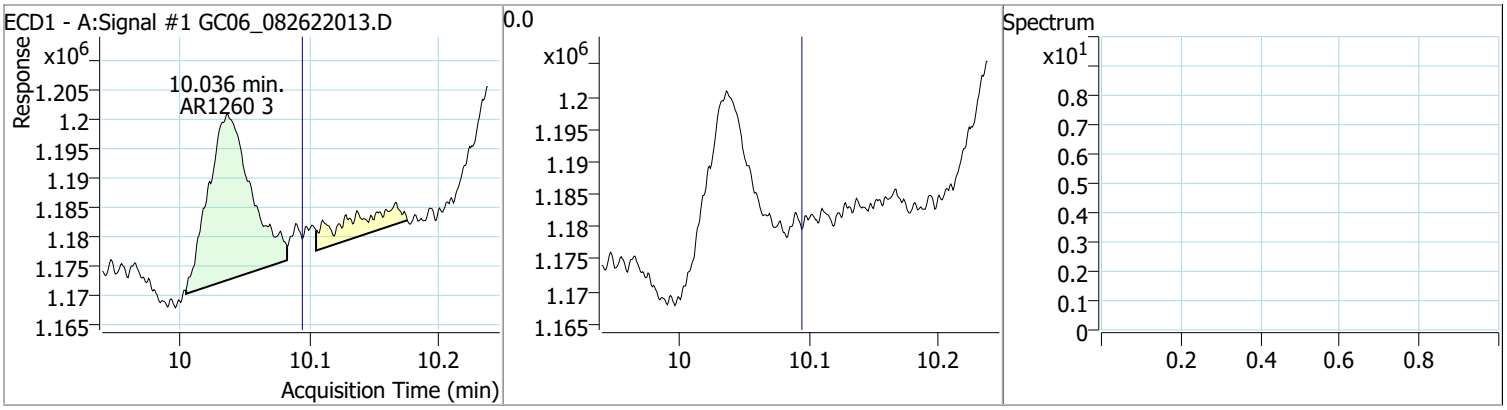
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.1562	9.66	0.05	1541				



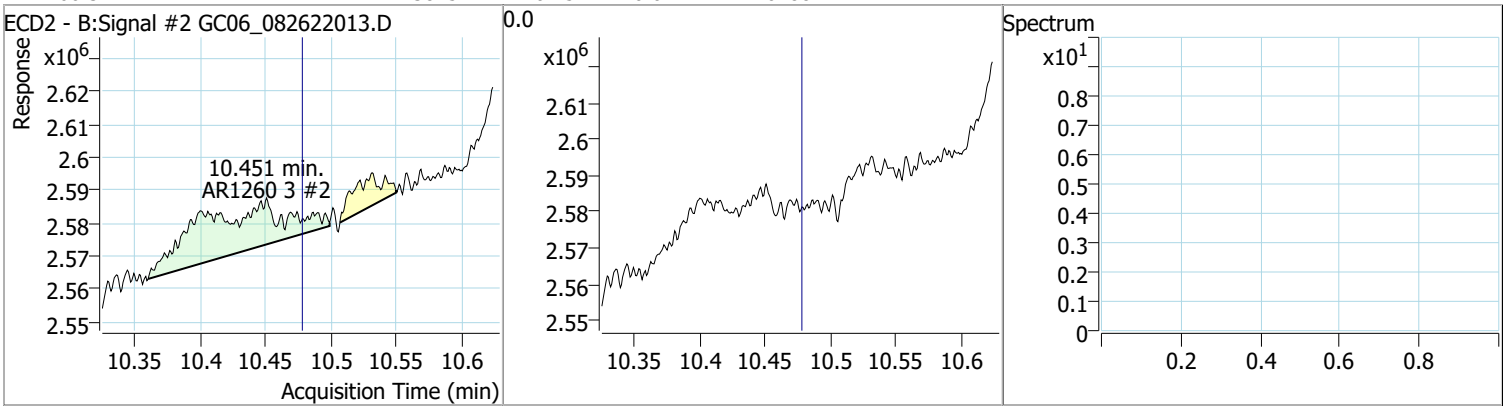
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1.1829	10.05	0.12	44578				



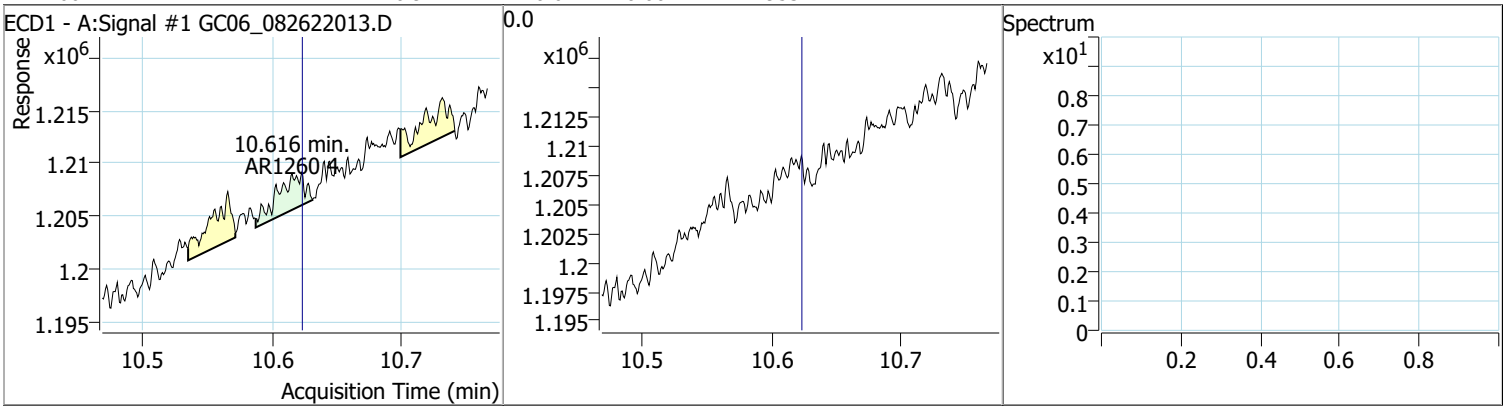
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	6.3388	10.04	-0.05	65006				



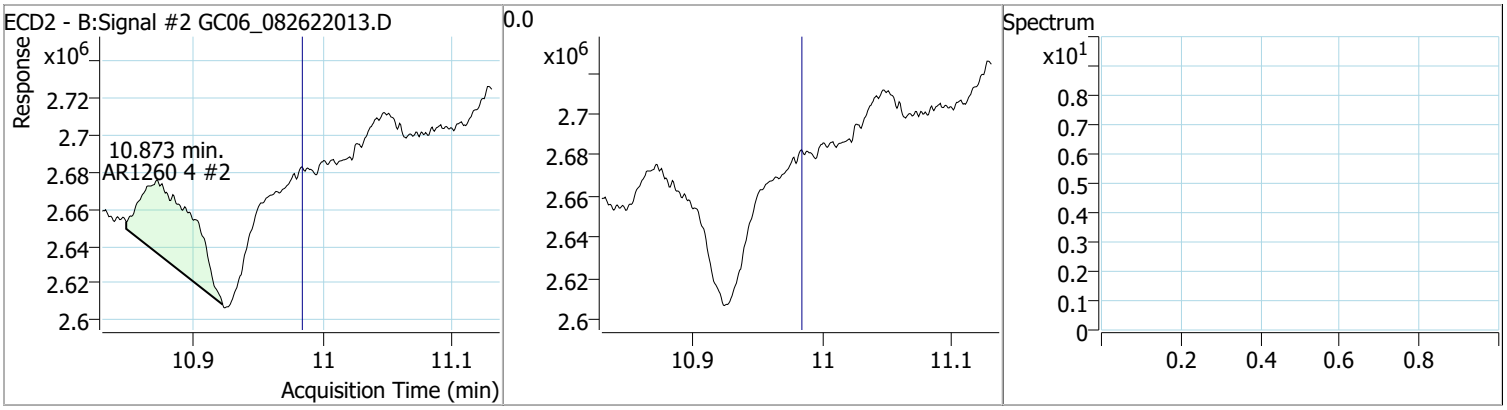
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1.3825	10.45	-0.02	70788				



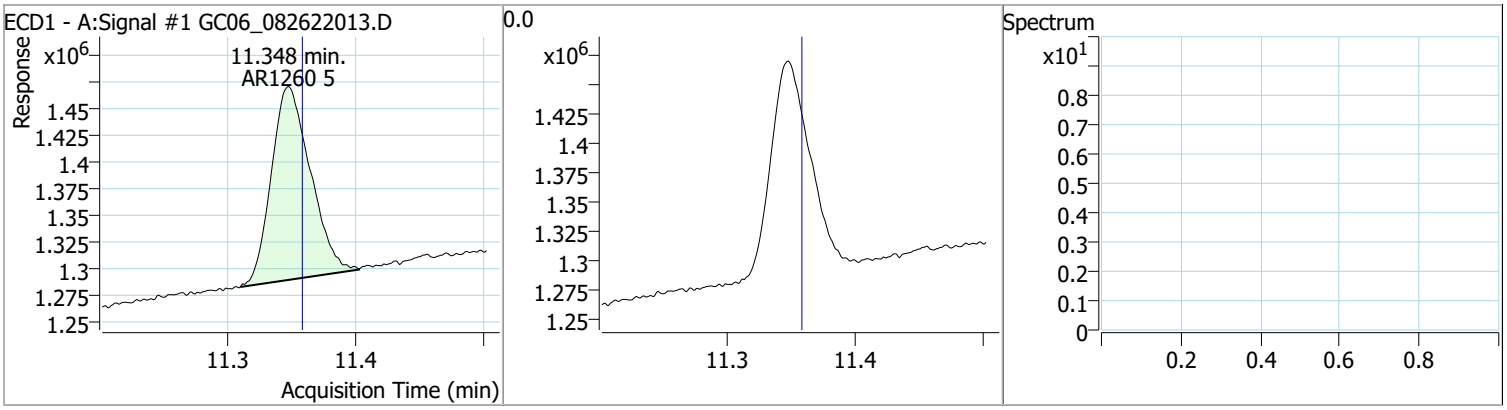
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	0.9711	10.62	0.00	4953				



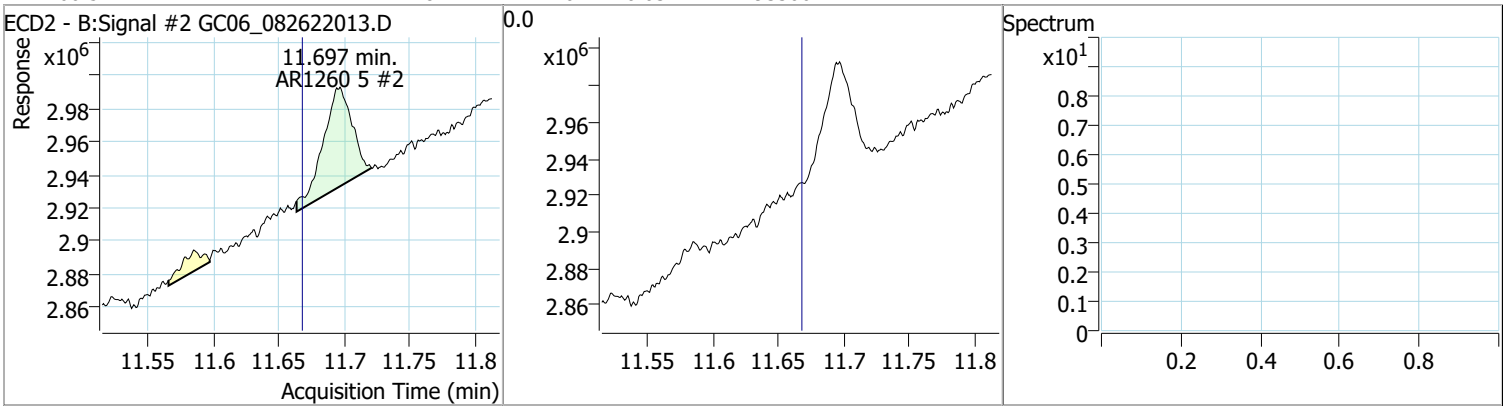
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	4.2524	10.87	-0.11	117818				



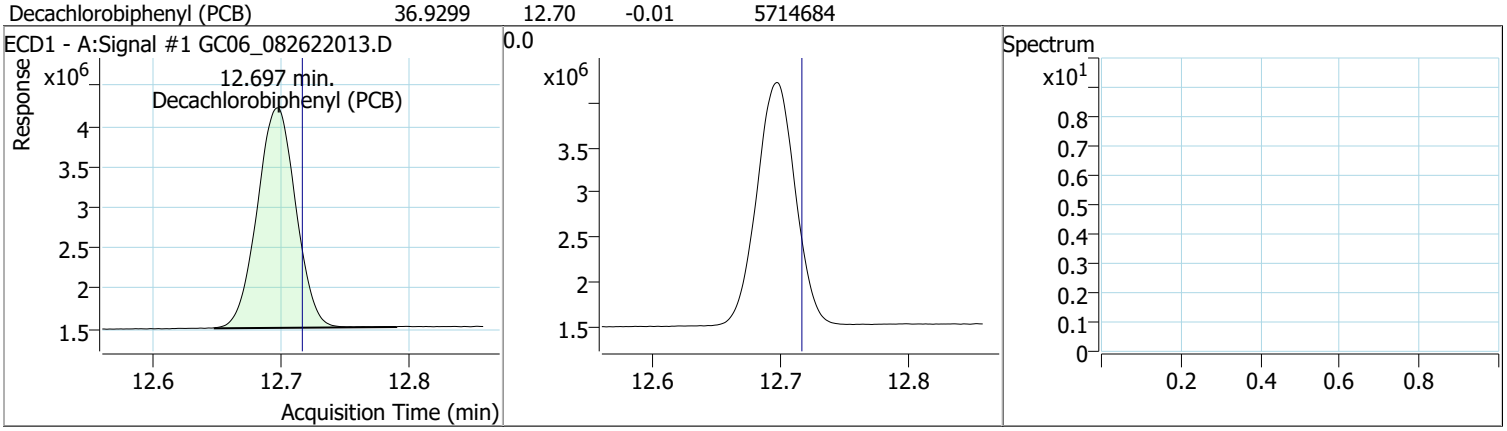
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	56.8347	11.35	0.00	383654				



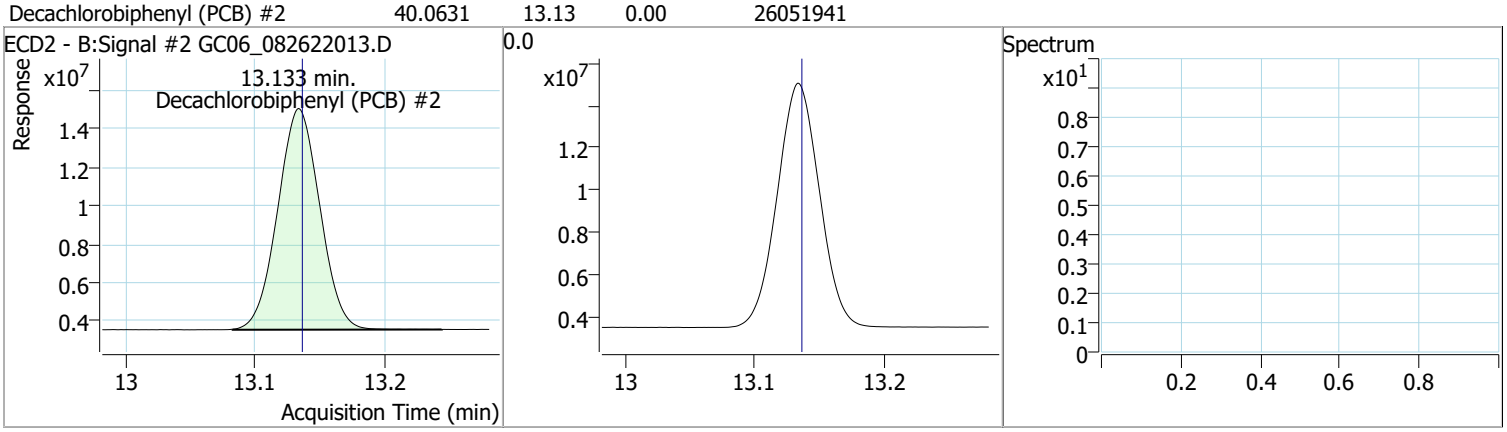
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	2.2842	11.70	0.03	93306				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	36.9299	12.70	-0.01	5714684				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	40.0631	13.13	0.00	26051941				



ENTHALPY SPIKE USER REPORT FOR 467872 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC06	Inst:	SVOA-GC06
Seqnum:	452343556031.1	Seqnum:	452343556032.1
File:	gc06_082622031	File:	gc06_082622032
IDF:	1.0	IDF:	1.0
Lab ID:	QC1008492	Lab ID:	QC1008493
Matrix:	Wipe	Matrix:	Wipe
Batch:	295631	Batch:	295631
Time:	26-AUG-2022 22:31	Time:	26-AUG-2022 22:48
Cal:	452150634002	Cal:	452150634002
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	546.6	5.466	A	109	537.5	5.375	A	107	60-140	2	20	u
Aroclor-1016 Peak # 1		604.7	6.047	A		591.6	5.916	A					
Aroclor-1016 Peak # 2		536.2	5.362	A		527.1	5.271	A					
Aroclor-1016 Peak # 3		528.6	5.286	A		521.3	5.213	A					
Aroclor-1016 Peak # 4		486.0	4.860	A		474.1	4.741	A					
Aroclor-1016 Peak # 5		577.5	5.775	A		573.3	5.733	A					
Aroclor-1260	5.000	493.5	4.935	A	99	491.3	4.913	A	98	60-140	0	20	u
Aroclor-1260 Peak # 1		511.9	5.119	A		507.8	5.078	A					
Aroclor-1260 Peak # 2		485.4	4.854	A		484.7	4.847	A					
Aroclor-1260 Peak # 3		474.3	4.743	A		471.7	4.717	A					
Aroclor-1260 Peak # 4		530.2	5.302	A		532.0	5.320	A					
Aroclor-1260 Peak # 5		465.6	4.656	A		460.2	4.602	A					
Surrogates													
TCMX (PCB)	0.5000	51.52	0.5152	A	103	49.87	0.4987	A	100	52-186			c+ u
Decachlorobiphenyl (PCB)	0.5000	32.49	0.3249	A	65	32.16	0.3216	A	64	60-140			u

ISTD (CCV gc06_082622002)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	7747147	-5.74
1-bromo-2-nitrobenzene (PCB)	A	1919479	1544213	-19.55

ISTD (CCV gc06_082622002)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.12	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

ISTD (CCV gc06_082622002)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	7674423	-6.62
1-bromo-2-nitrobenzene (PCB)	A	1919479	1573816	-18.01

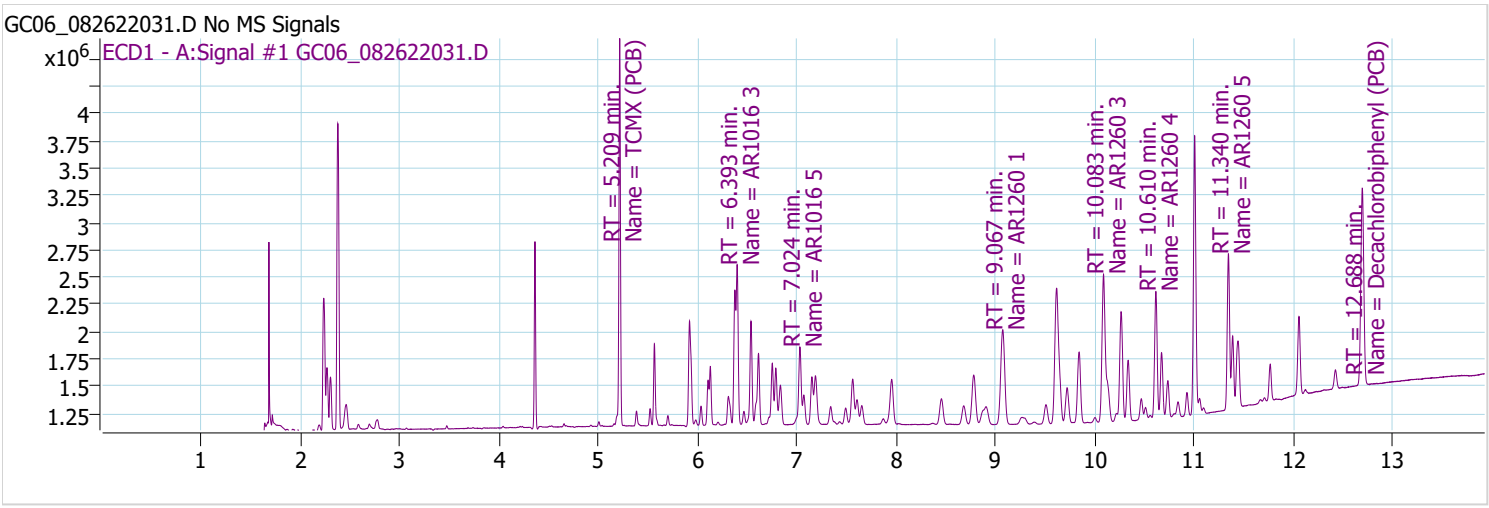
ISTD (CCV gc06_082622002)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

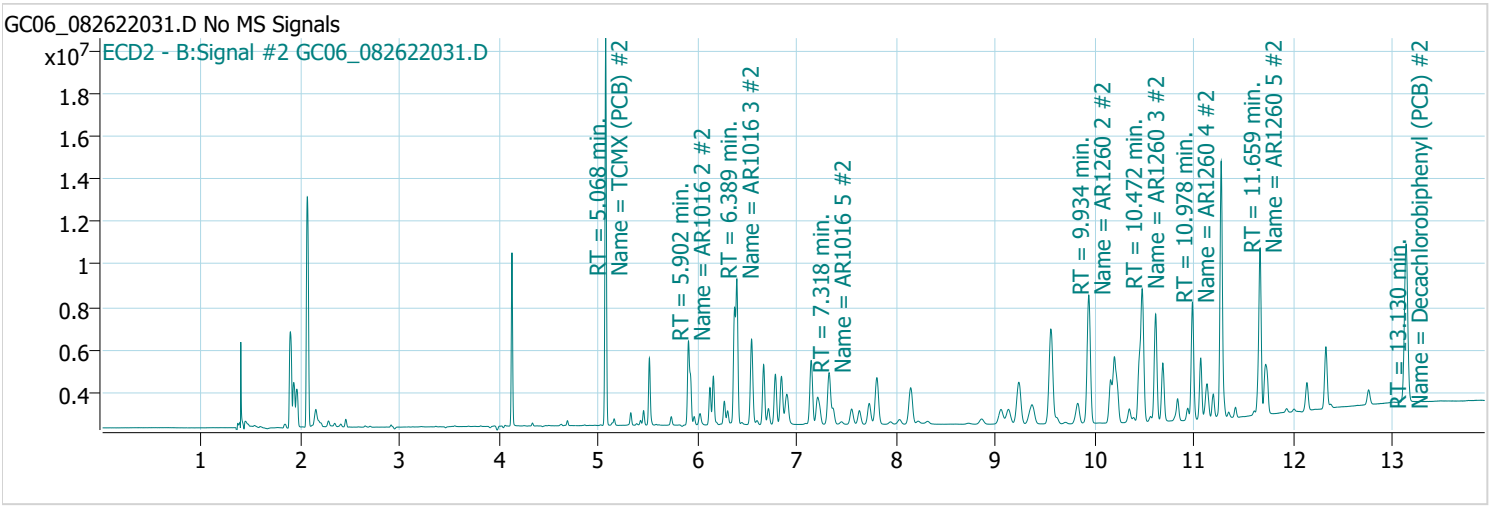
Analyst: TRN 08/30/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622031.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 10:31:15 PM
Sample Name	QC1008492, 295631, 1	Instrument	SVOA-GC06
Vial	21	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



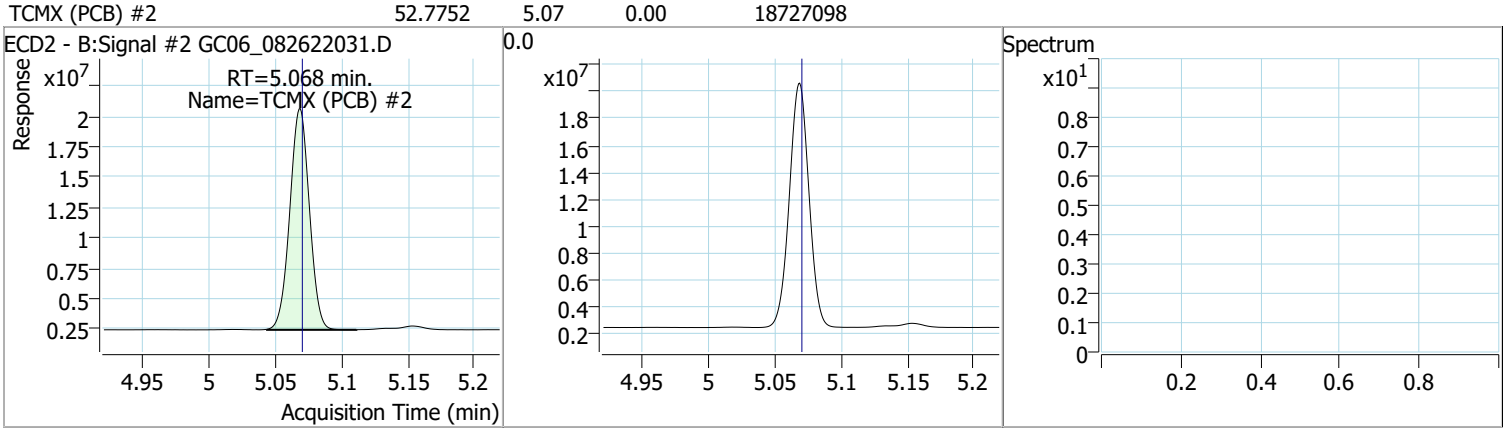


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.124	0.0	7747146.596	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB)	4.356	0.0	1544213.374	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB) #2	5.068	0.0	18727098.444	52.7752	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 263.88%		*	
S TCMX (PCB)	5.209	0.0	3825683.950	51.5055	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 257.53%		*	
S Decachlorobiphenyl (PCB)	12.688	0.0	3813387.931	32.4784	ng/ml		-0.018
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 162.39%		*	
S Decachlorobiphenyl (PCB) #2	13.130	0.0	17527887.239	37.4945	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.47%		*	
Target Compounds							QValue

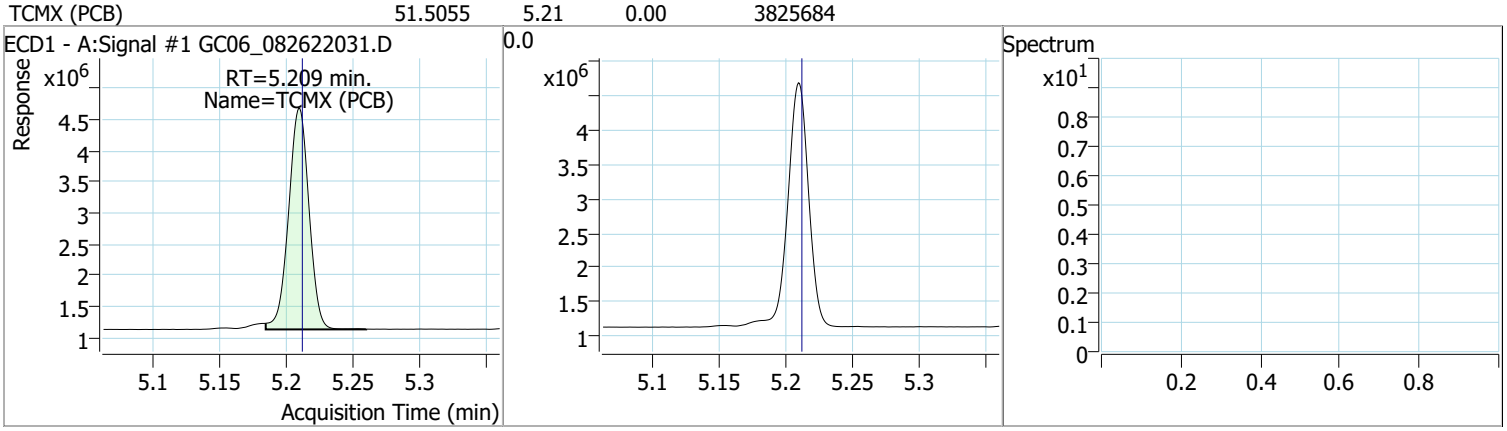
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.508	0.0	3881839.327	535.0596	ng/ml	100
T AR1016 1	5.558	0.0	913215.894	604.5736	ng/ml	100
T AR1016 2 #2	5.902	0.0	8000191.895	531.3672	ng/ml	100
T AR1016 2	5.913	0.0	1763006.540	536.0397	ng/ml	100
T AR1016 3 #2	6.389	0.0	17213731.860	866.9426	ng/ml	100
T AR1016 3	6.393	0.0	2045578.208	528.4688	ng/ml	100
T AR1016 4	6.532	0.0	1407508.818	485.9104	ng/ml	100
T AR1016 4 #2	6.538	0.0	7054430.470	523.6842	ng/ml	100
T AR1016 5	7.024	0.0	1293644.418	577.3436	ng/ml	100
T AR1016 5 #2	7.318	0.0	6586209.110	625.3651	ng/ml	100
T AR1260 1	9.067	0.0	2486901.029	511.7401	ng/ml	100
T AR1260 1 #2	9.552	0.0	12531116.049	534.4341	ng/ml	100
T AR1260 2	9.610	0.0	3632650.362	485.3197	ng/ml	100
T AR1260 2 #2	9.934	0.0	13818930.640	510.0591	ng/ml	100
T AR1260 3	10.083	0.0	3689399.597	474.1411	ng/ml	100
T AR1260 3 #2	10.472	0.0	17423900.173	473.3634	ng/ml	100
T AR1260 4	10.610	0.0	2051201.842	530.0466	ng/ml	100
T AR1260 4 #2	10.978	0.0	9809322.107	492.4895	ng/ml	100
T AR1260 5	11.340	0.0	2384053.445	465.4654	ng/ml	100
T AR1260 5 #2	11.659	0.0	14387453.335	489.9439	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

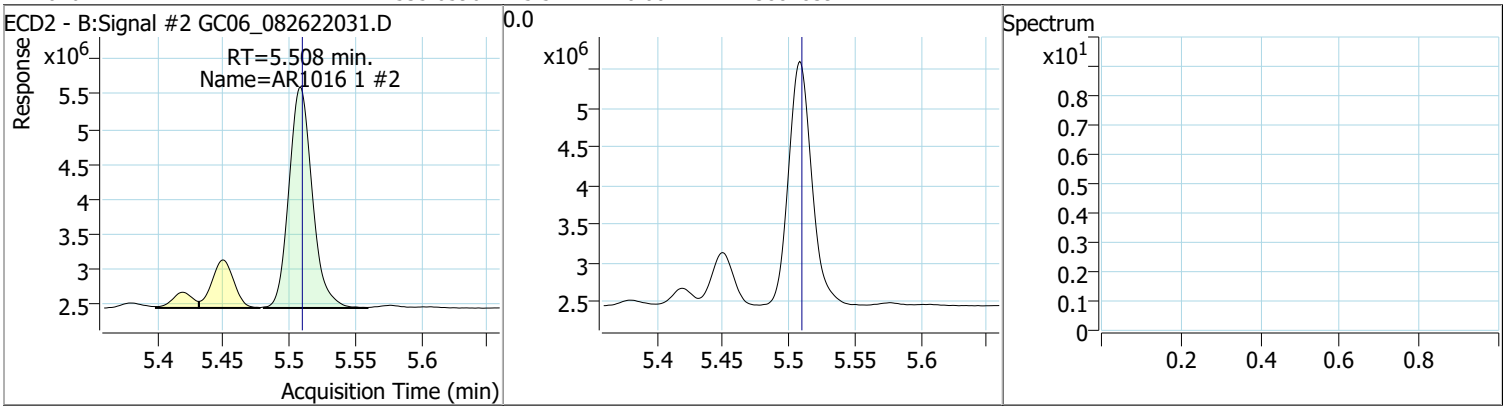
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	52.7752	5.07	0.00	18727098				



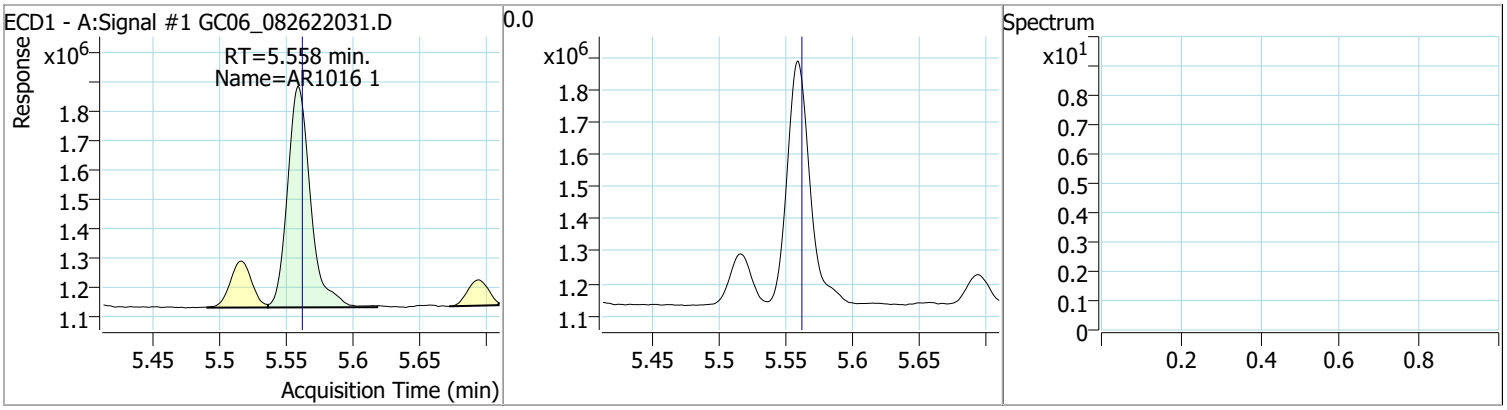
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	51.5055	5.21	0.00	3825684				



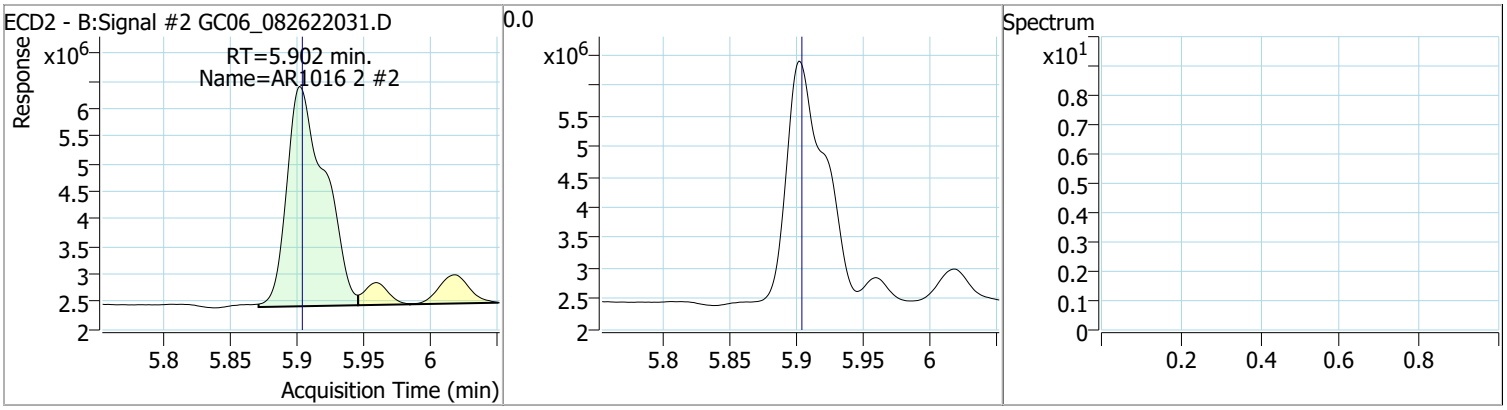
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	535.0596	5.51	0.00	3881839				



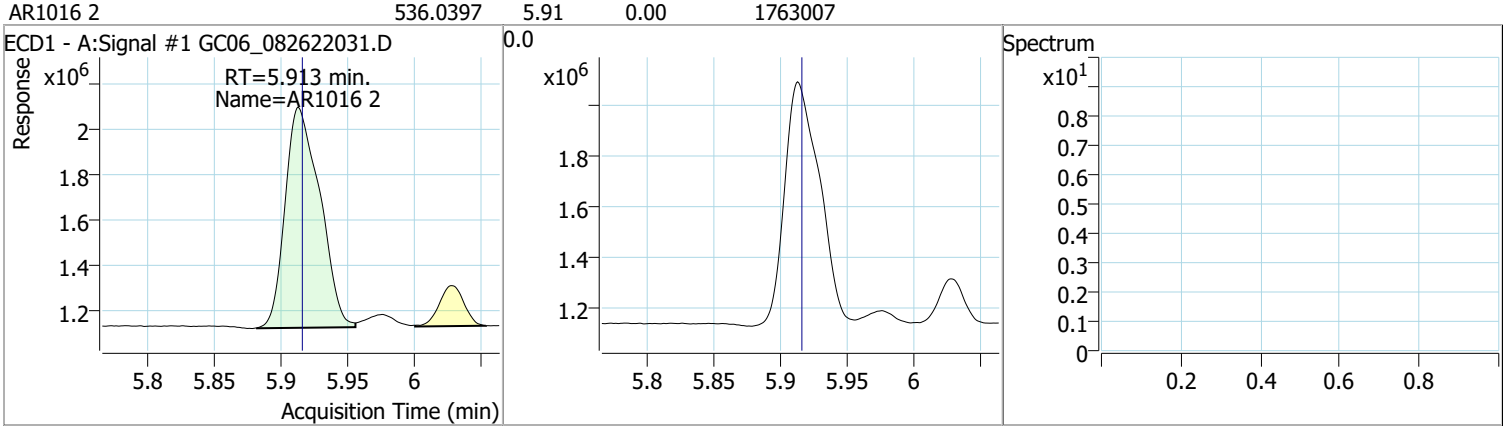
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	604.5736	5.56	0.00	913216				



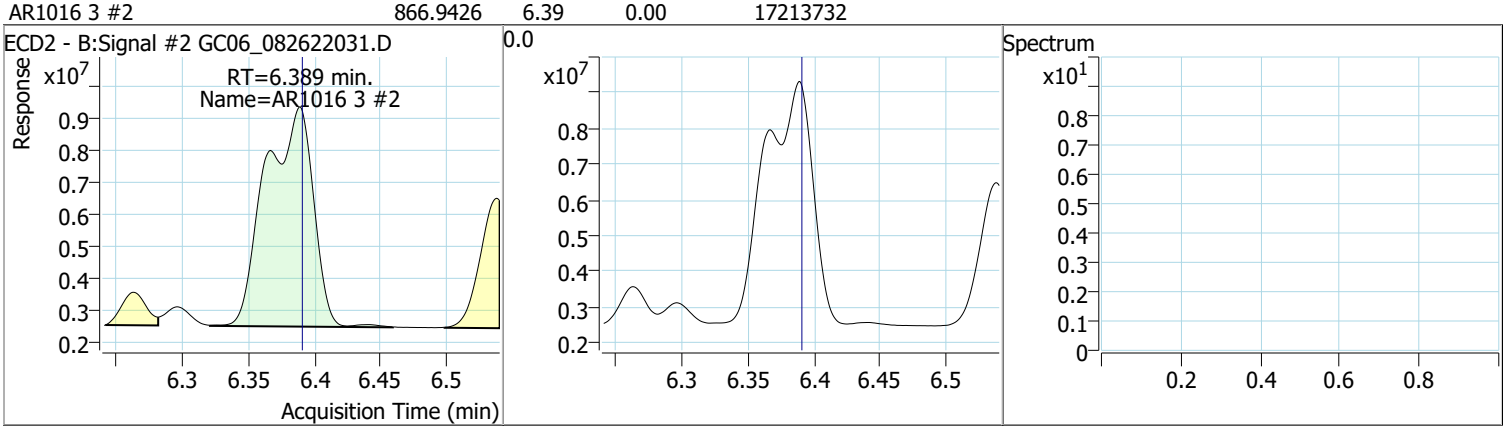
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	531.3672	5.90	0.00	8000192				



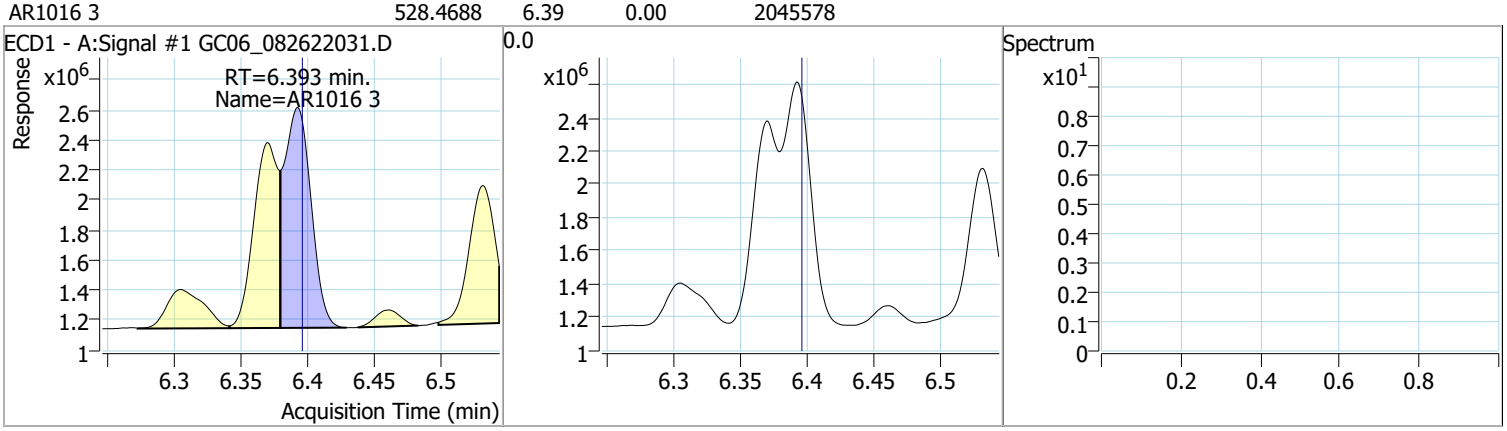
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	536.0397	5.91	0.00	1763007				



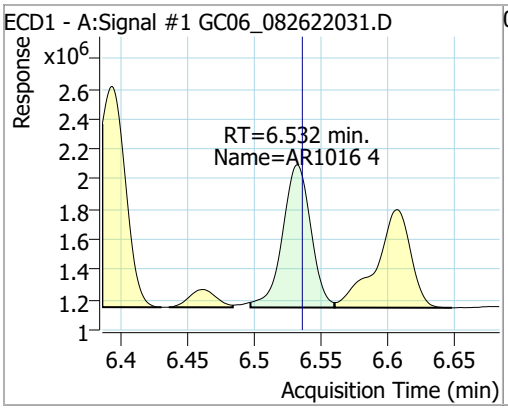
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	866.9426	6.39	0.00	17213732				

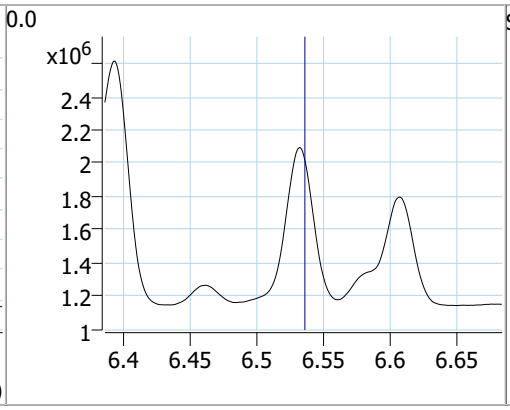


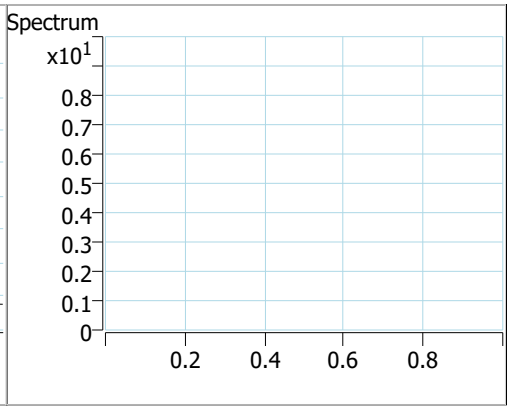
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	528.4688	6.39	0.00	2045578				



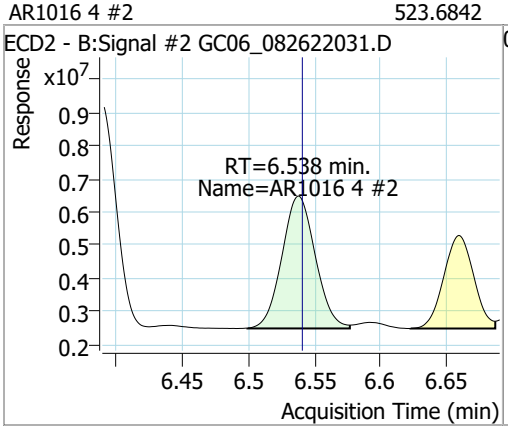
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	485.9104	6.53	0.00	1407509				

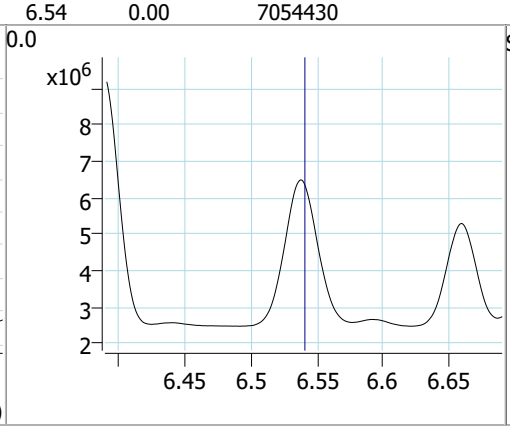


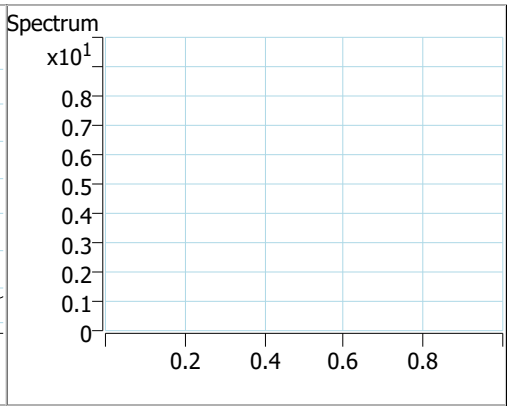




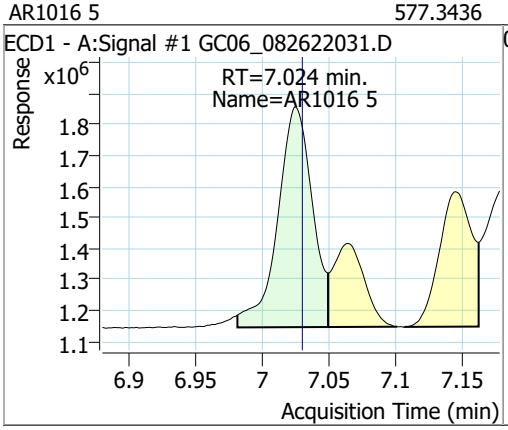
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	523.6842	6.54	0.00	7054430				

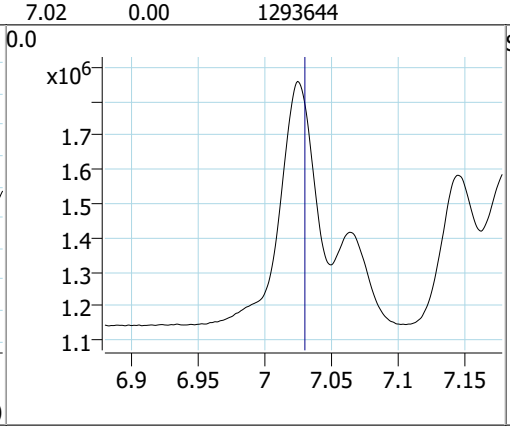


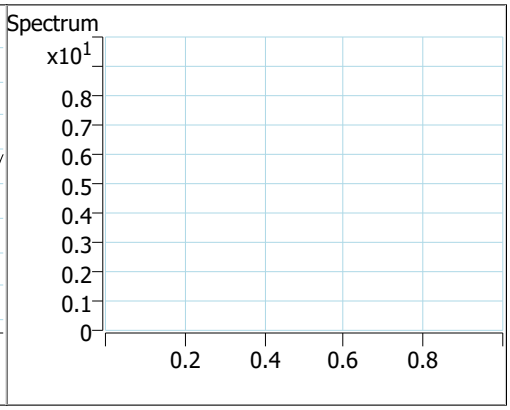




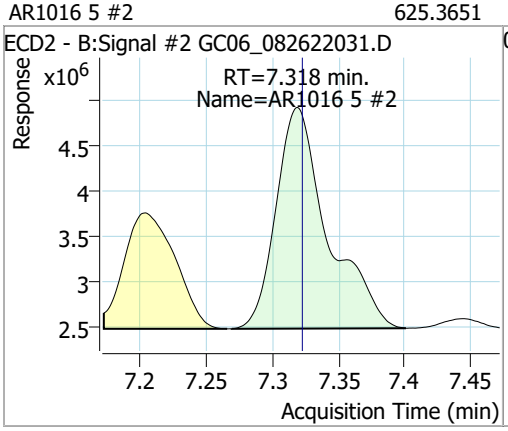
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	577.3436	7.02	0.00	1293644				

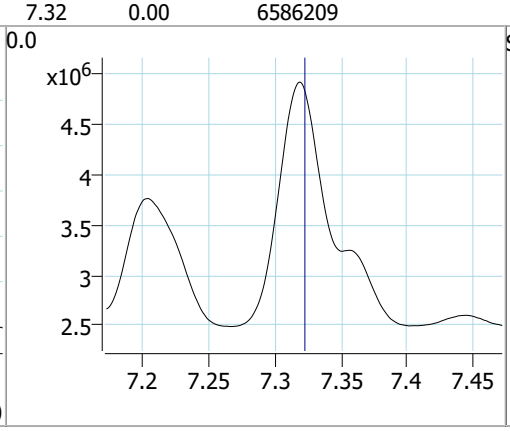


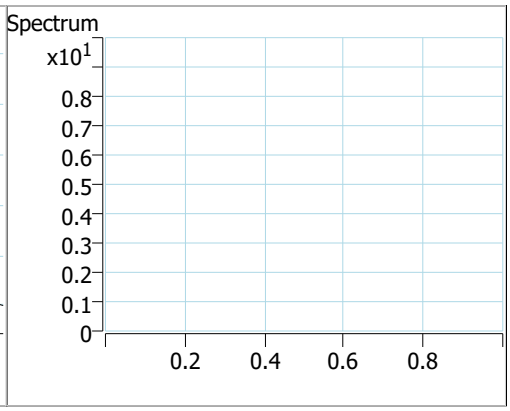




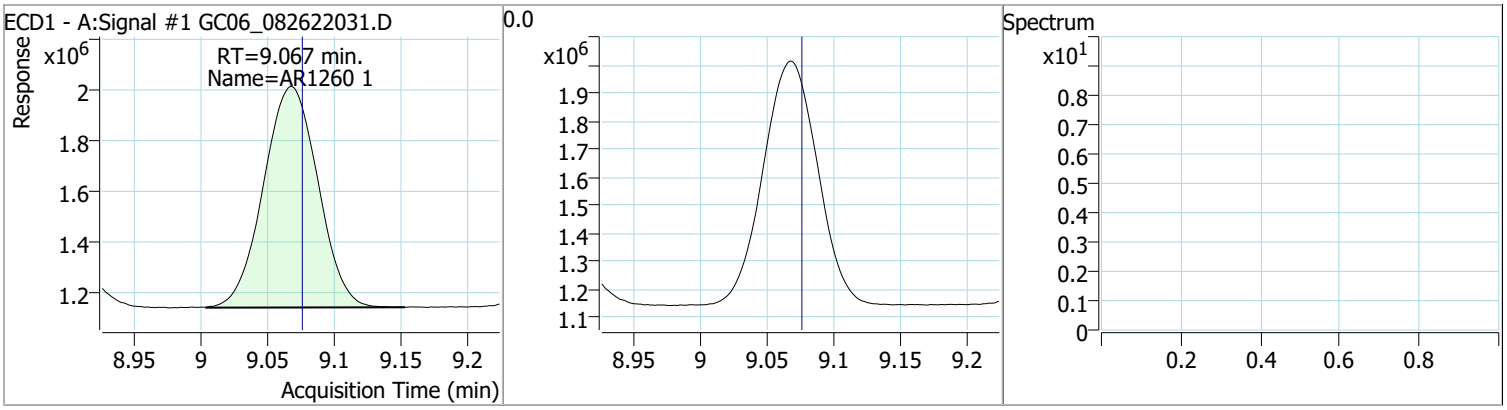
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	625.3651	7.32	0.00	6586209				



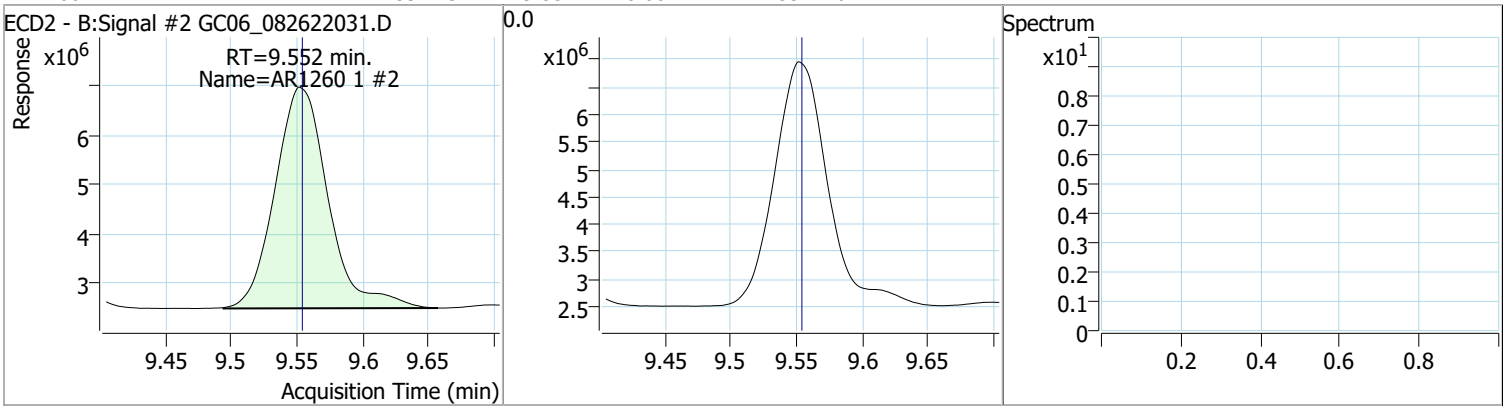




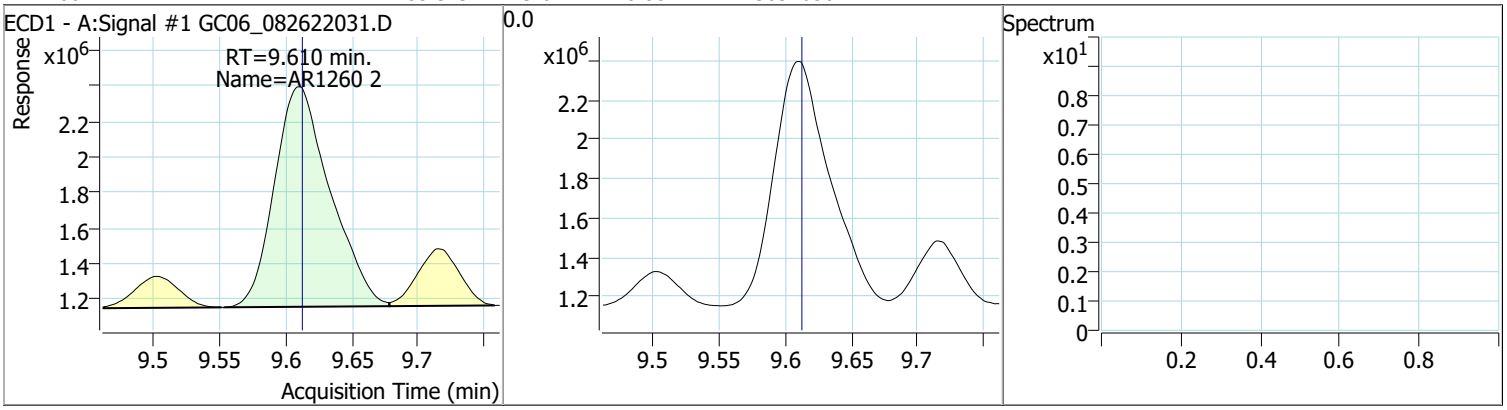
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	511.7401	9.07	-0.01	2486901				



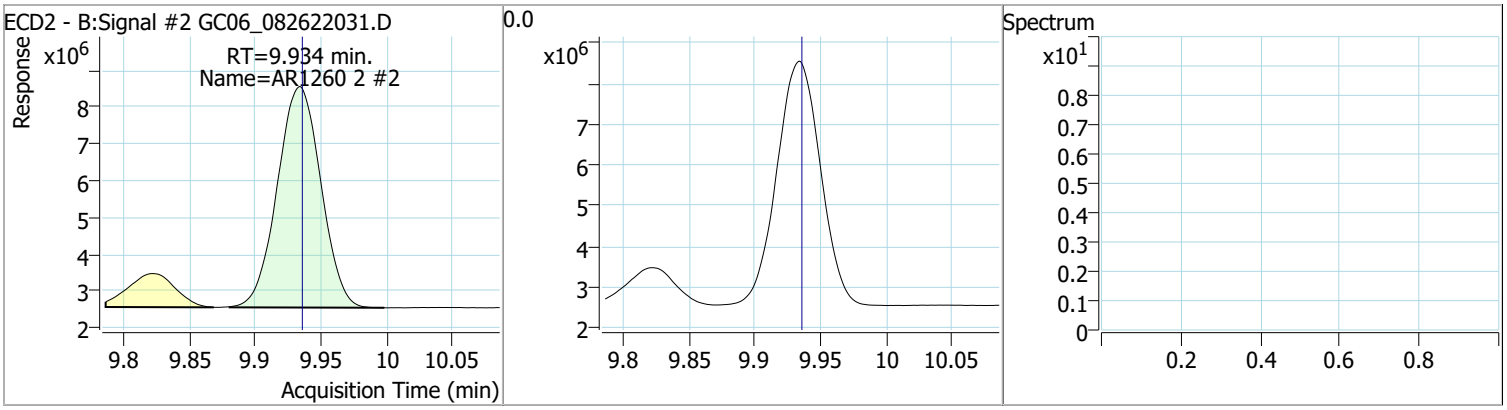
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	534.4341	9.55	0.00	12531116				



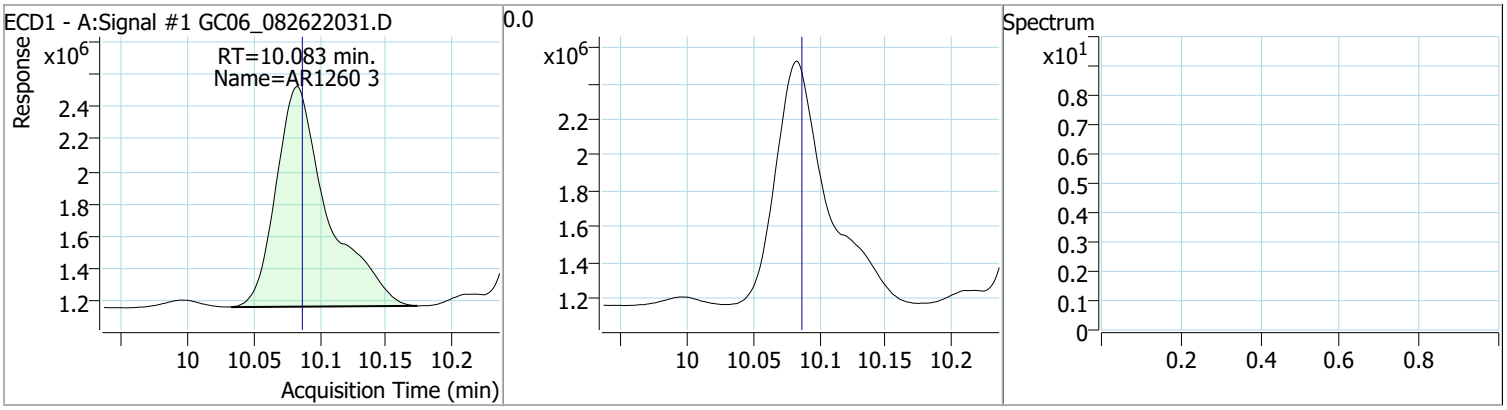
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	485.3197	9.61	0.00	3632650				



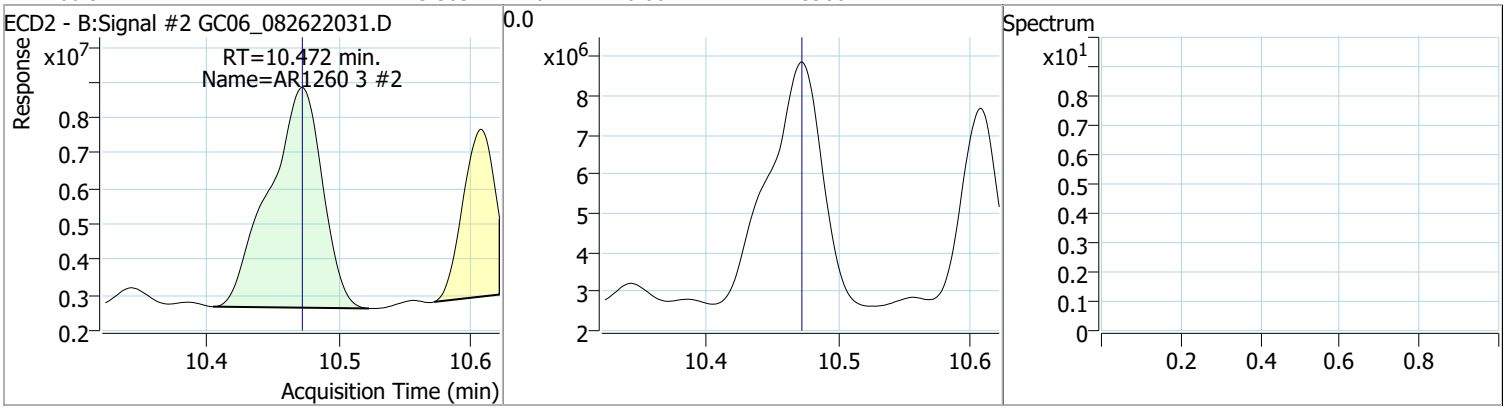
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	510.0591	9.93	0.00	13818931				



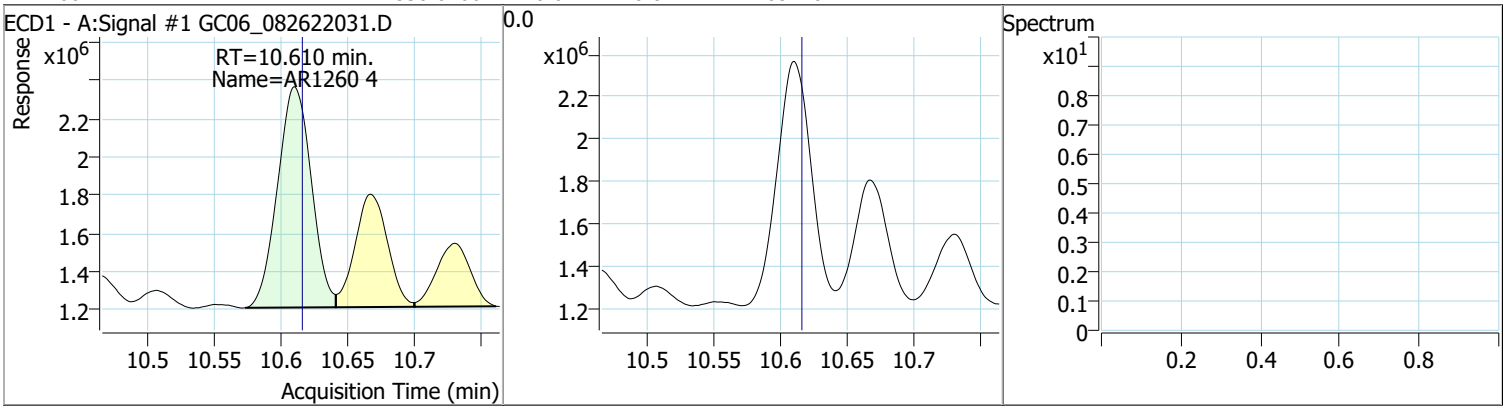
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	474.1411	10.08	0.00	3689400				



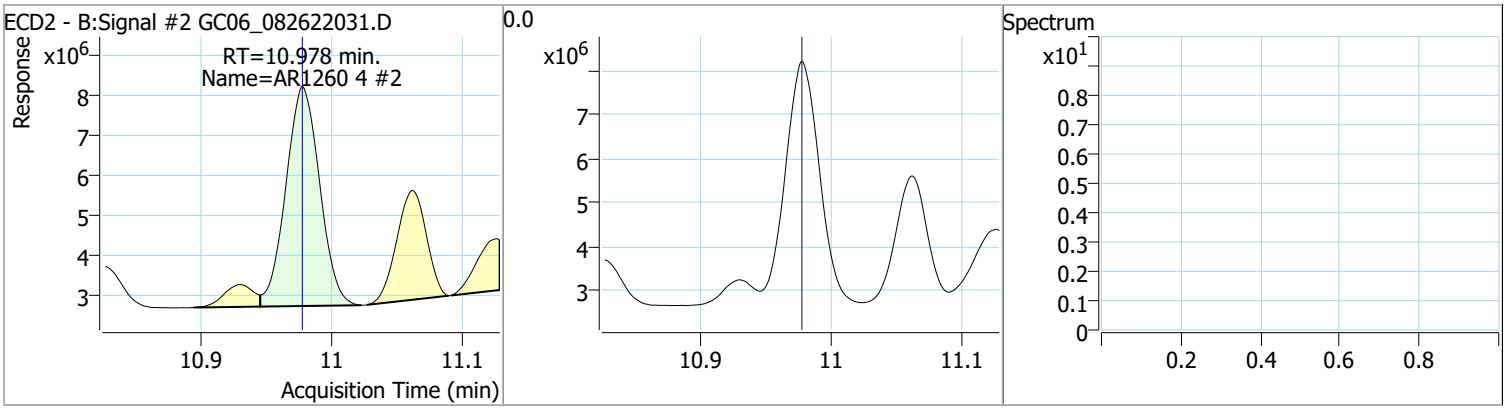
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	473.3634	10.47	0.00	17423900				



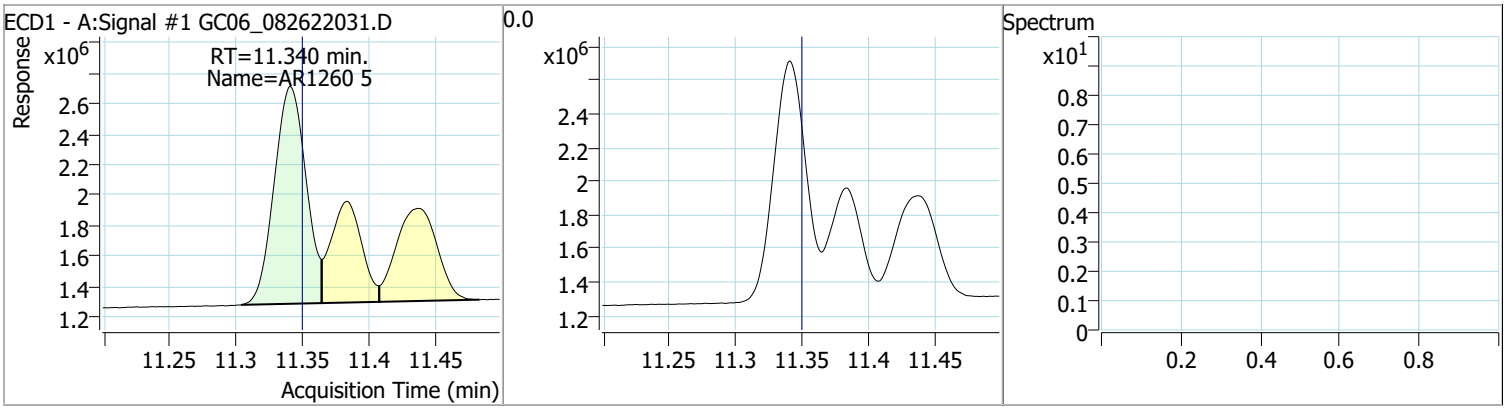
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	530.0466	10.61	-0.01	2051202				



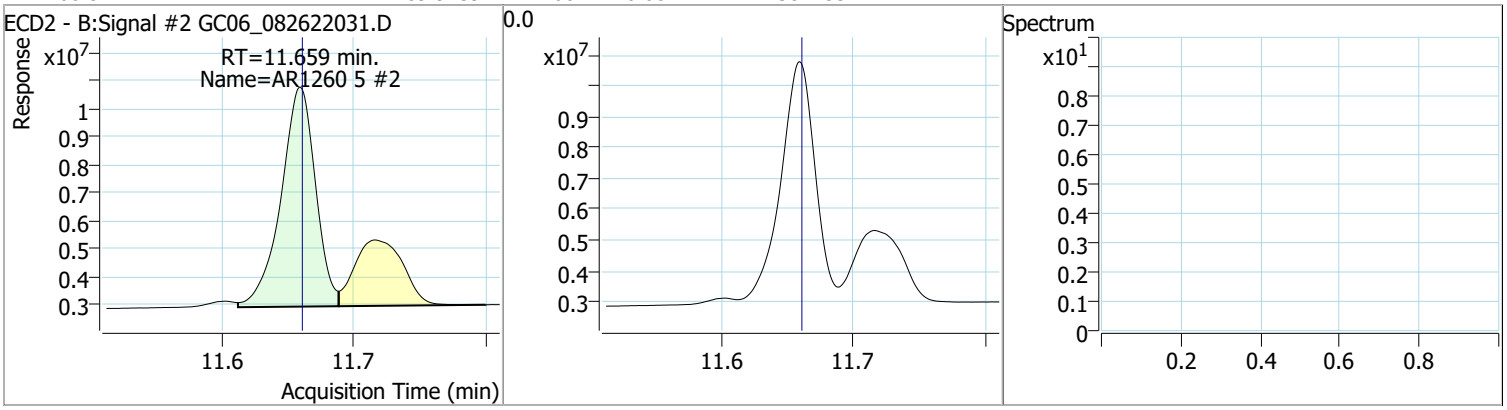
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	492.4895	10.98	0.00	9809322				



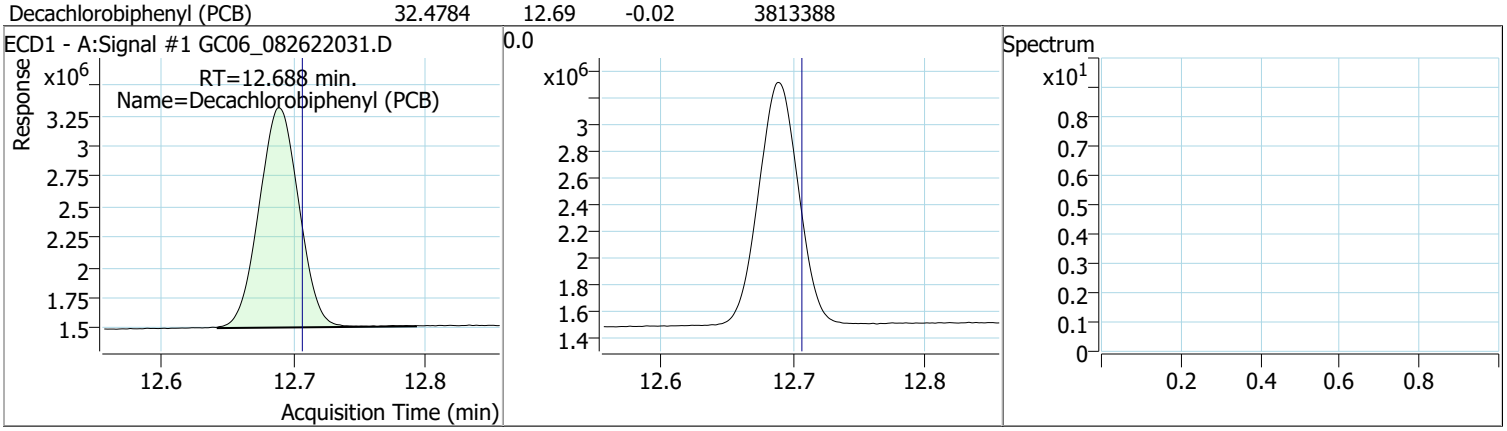
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	465.4654	11.34	-0.01	2384053				



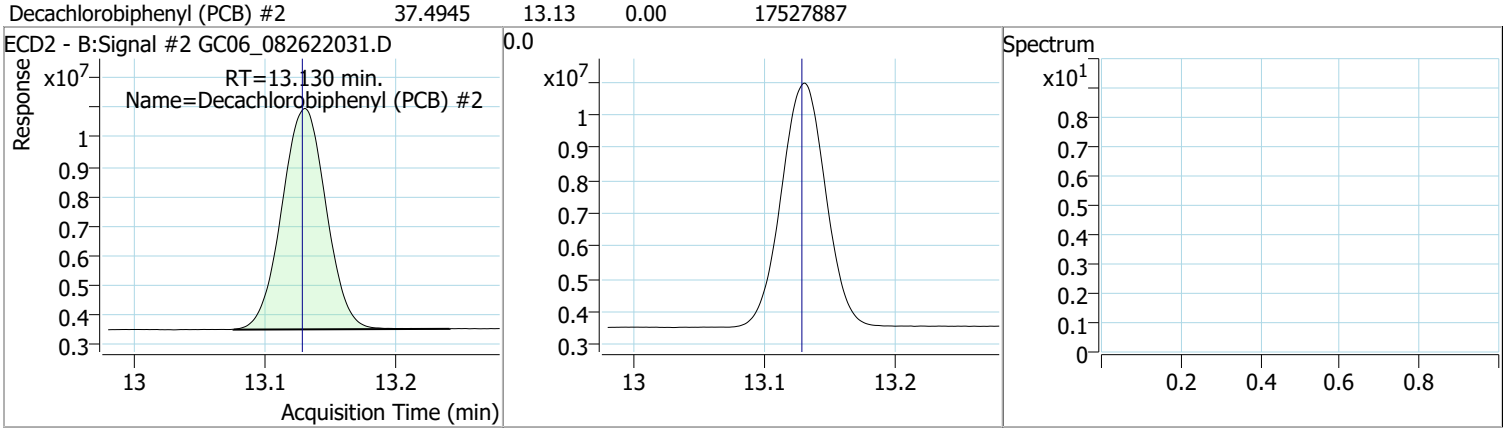
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	489.9439	11.66	0.00	14387453				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	32.4784	12.69	-0.02	3813388				

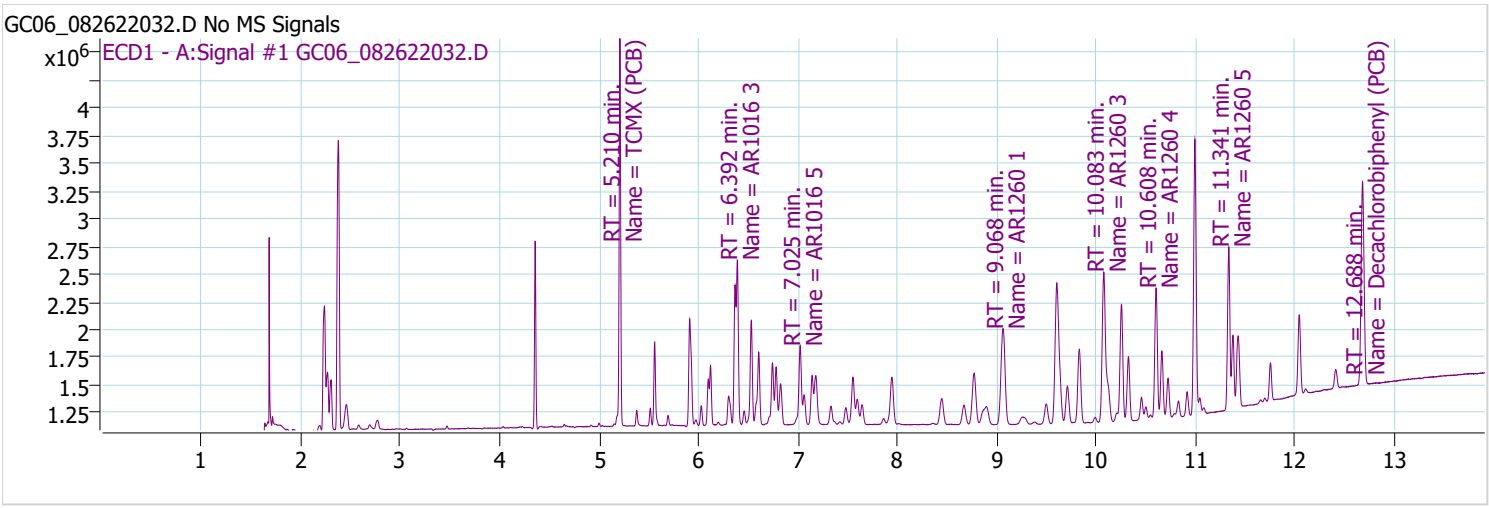


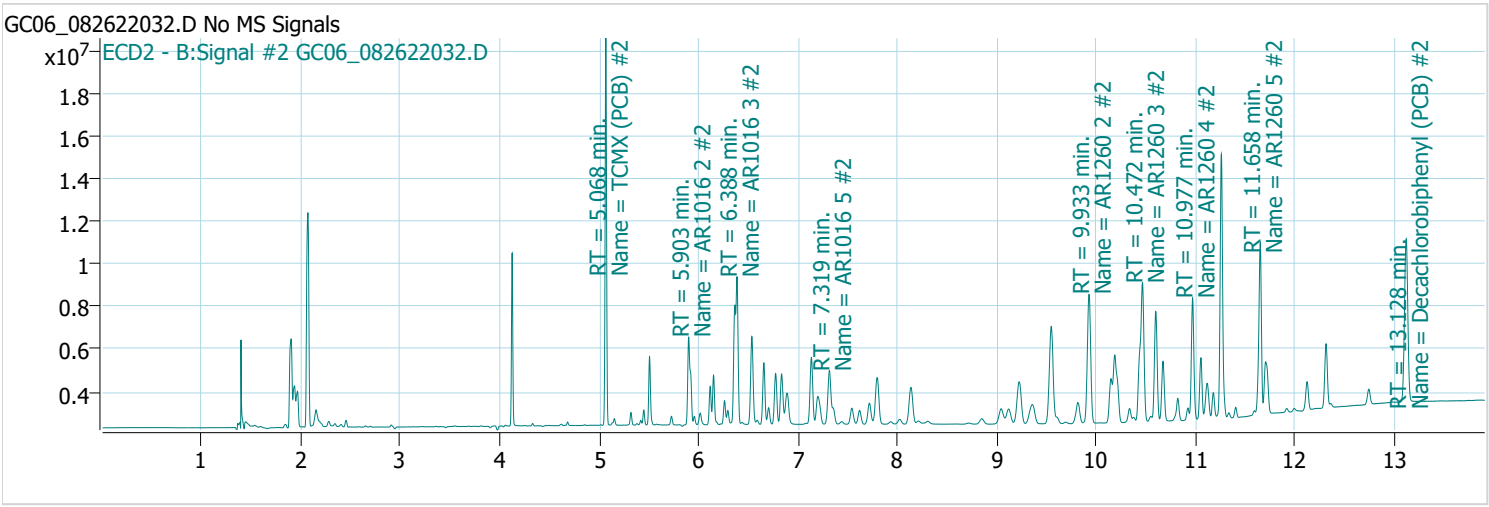
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	37.4945	13.13	0.00	17527887				



Quantitation Results Report (Not Reviewed)

Data File	GC06_082622032.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 10:48:40 PM
Sample Name	QC1008493, 295631, 1	Instrument	SVOA-GC06
Vial	22	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



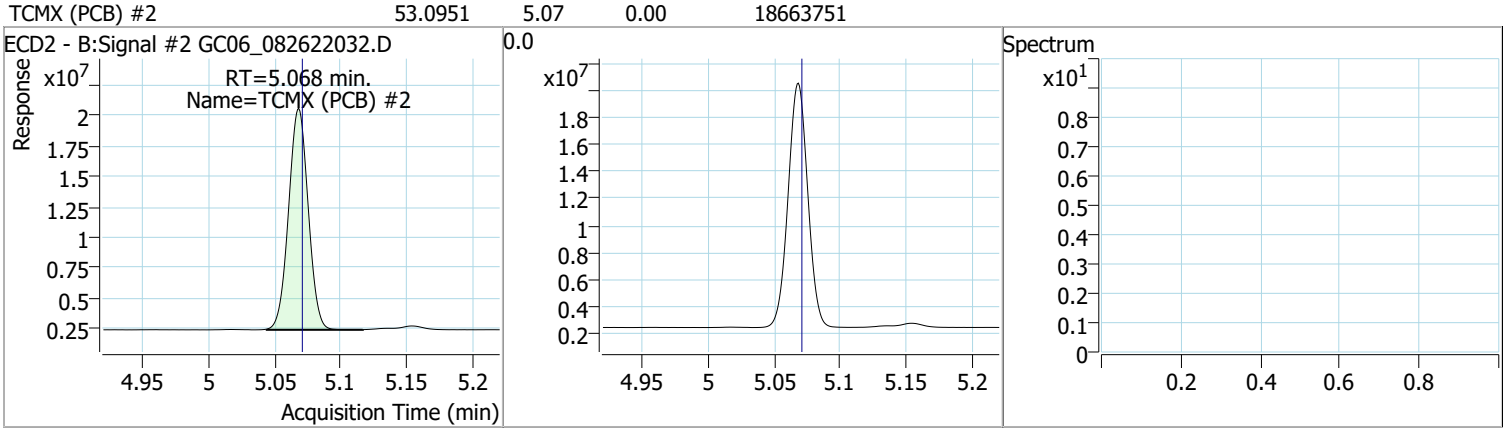


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	7674422.732	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.357	0.0	1573815.597	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB) #2	5.068	0.0	18663750.577	53.0951	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 265.48%		*	
S TCMX (PCB)	5.210	0.0	3774243.979	49.8572	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 249.29%		*	
S Decachlorobiphenyl (PCB)	12.688	0.0	3847595.114	32.1533	ng/ml		-0.018
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 160.77%		*	
S Decachlorobiphenyl (PCB) #2	13.128	0.0	17784854.058	38.4047	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 192.02%		*	
Target Compounds							QValue

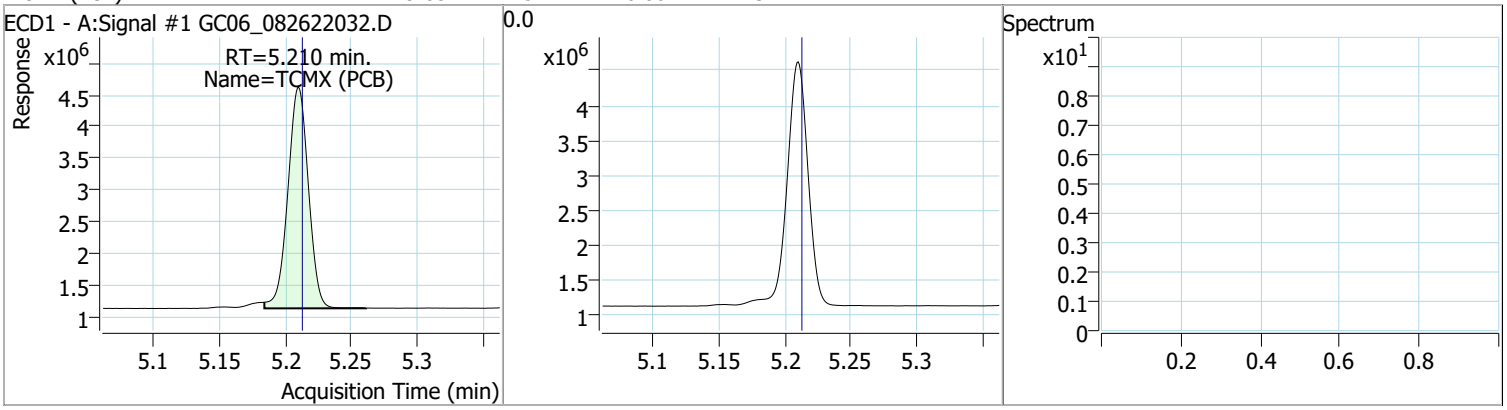
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.508	0.0	3933808.592	547.3611	ng/ml	100
T AR1016 1	5.559	0.0	910553.824	591.4729	ng/ml	100
T AR1016 2 #2	5.903	0.0	8170178.681	547.7999	ng/ml	100
T AR1016 2	5.913	0.0	1766420.819	526.9758	ng/ml	100
T AR1016 3 #2	6.388	0.0	17387049.102	883.9695	ng/ml	100
T AR1016 3	6.392	0.0	2056176.034	521.2152	ng/ml	100
T AR1016 4	6.533	0.0	1399380.521	474.0174	ng/ml	100
T AR1016 4 #2	6.538	0.0	7201733.739	539.6854	ng/ml	100
T AR1016 5	7.025	0.0	1308814.043	573.1270	ng/ml	100
T AR1016 5 #2	7.319	0.0	6683786.026	640.6440	ng/ml	100
T AR1260 1	9.068	0.0	2514444.500	507.6758	ng/ml	100
T AR1260 1 #2	9.553	0.0	12134620.324	522.4283	ng/ml	100
T AR1260 2	9.609	0.0	3696442.589	484.5535	ng/ml	100
T AR1260 2 #2	9.933	0.0	14128596.129	526.4306	ng/ml	100
T AR1260 3	10.083	0.0	3739402.642	471.5281	ng/ml	100
T AR1260 3 #2	10.472	0.0	17879617.337	490.3471	ng/ml	100
T AR1260 4	10.608	0.0	2097611.291	531.8438	ng/ml	100
T AR1260 4 #2	10.977	0.0	10058298.862	509.7750	ng/ml	100
T AR1260 5	11.341	0.0	2401882.715	460.1259	ng/ml	100
T AR1260 5 #2	11.658	0.0	14738896.726	506.6679	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

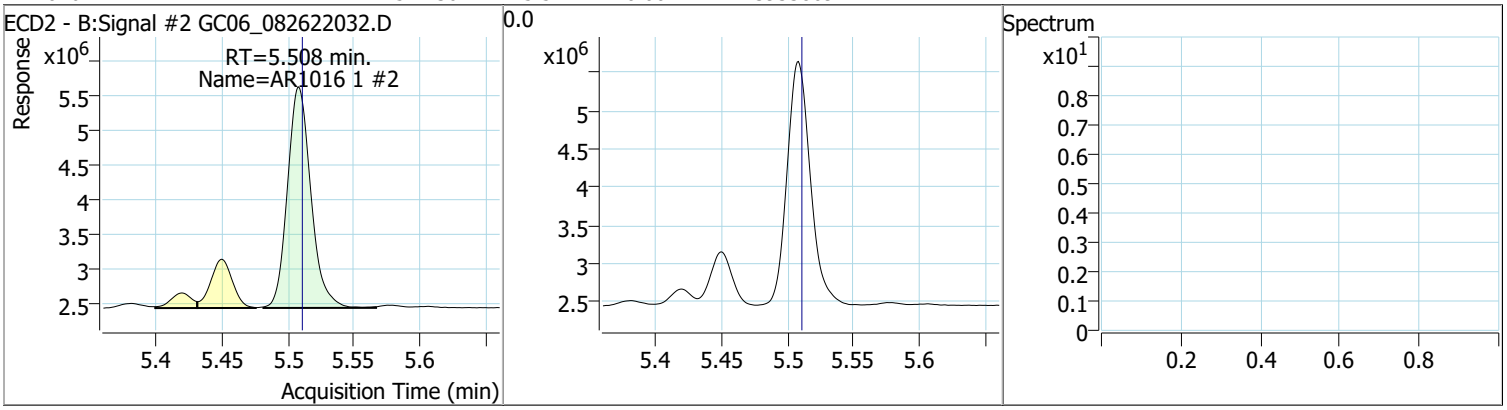
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	53.0951	5.07	0.00	18663751				



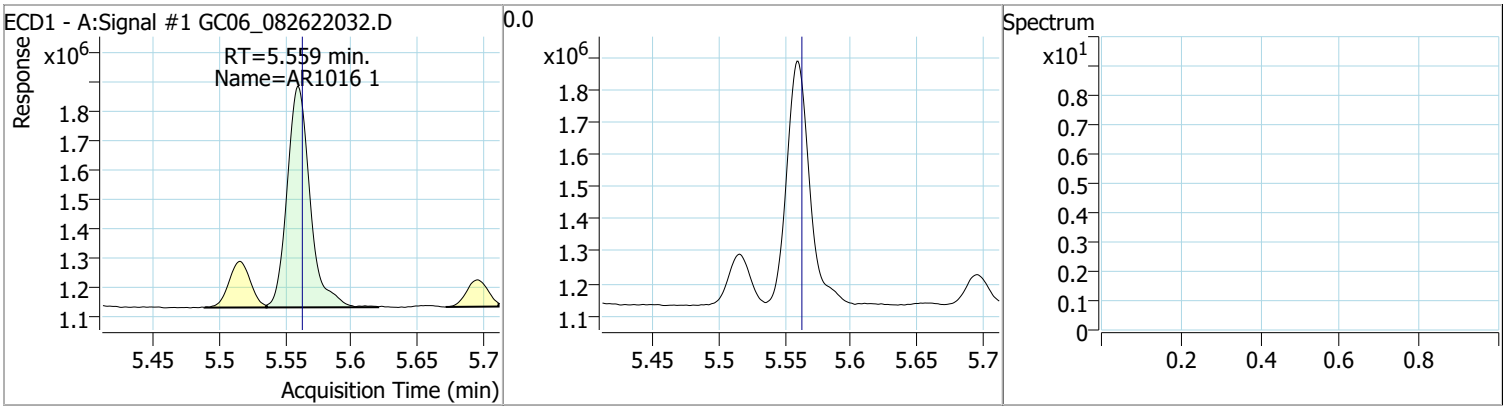
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	49.8572	5.21	0.00	3774244				



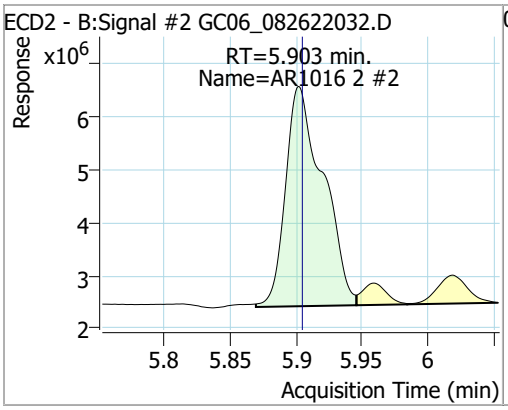
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	547.3611	5.51	0.00	3933809				

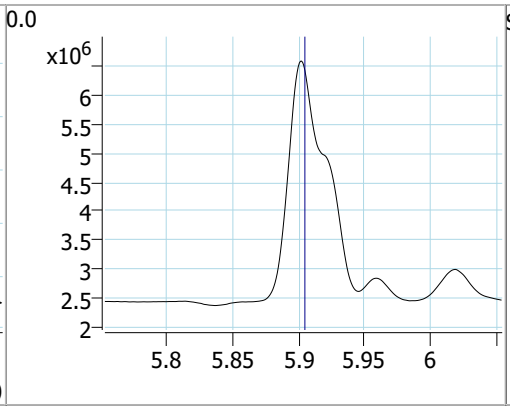


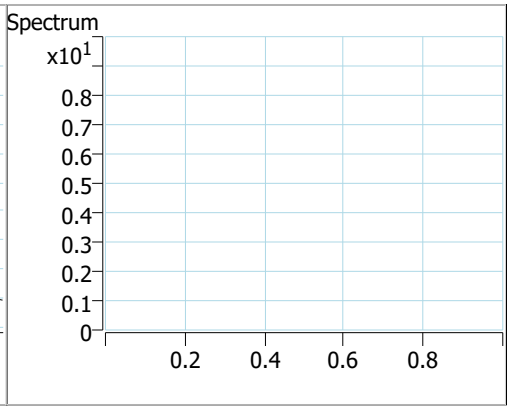
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	591.4729	5.56	0.00	910554				



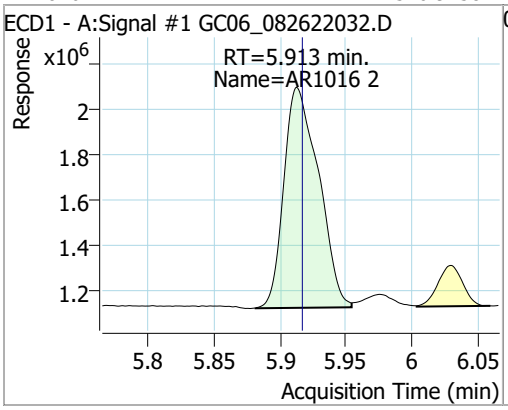
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	547.7999	5.90	0.00	8170179				

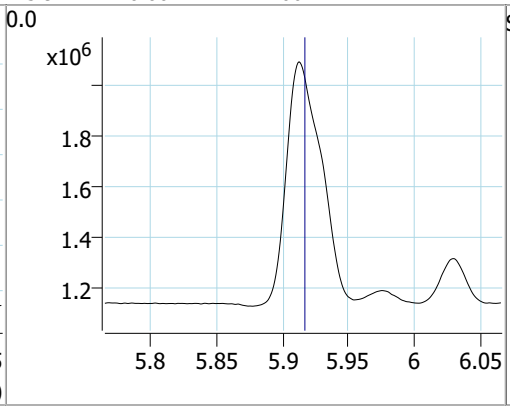


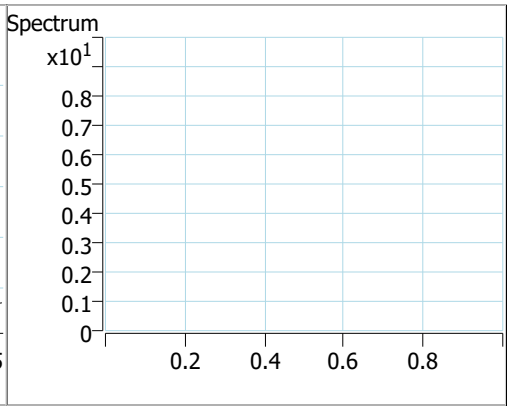




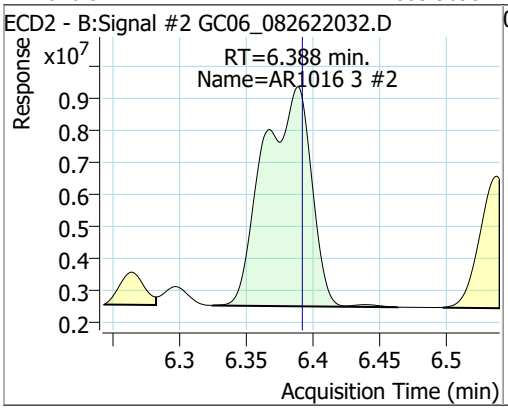
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	526.9758	5.91	0.00	1766421				

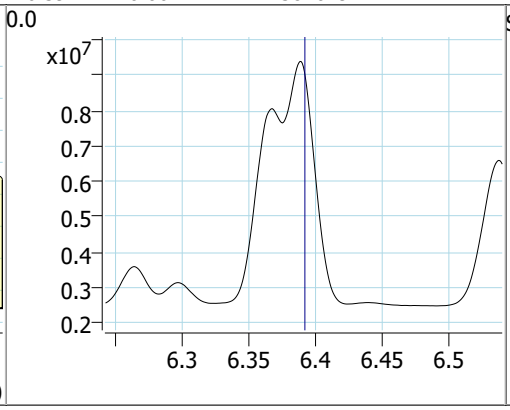


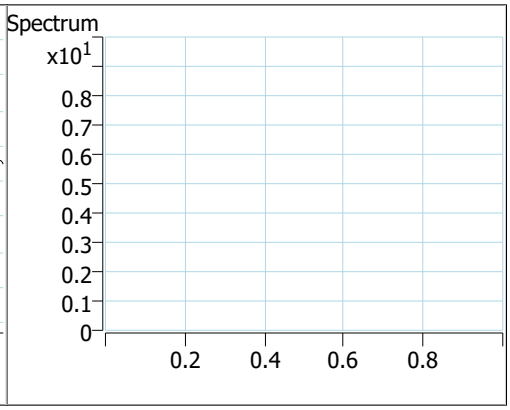




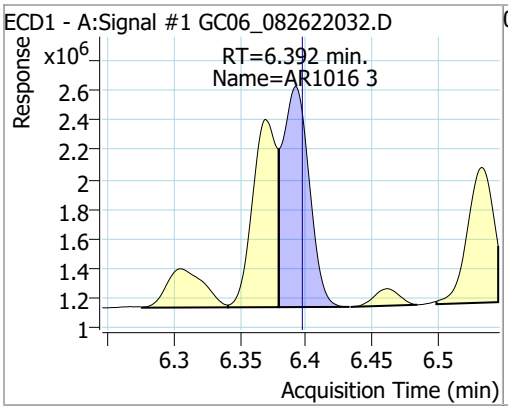
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	883.9695	6.39	0.00	17387049				

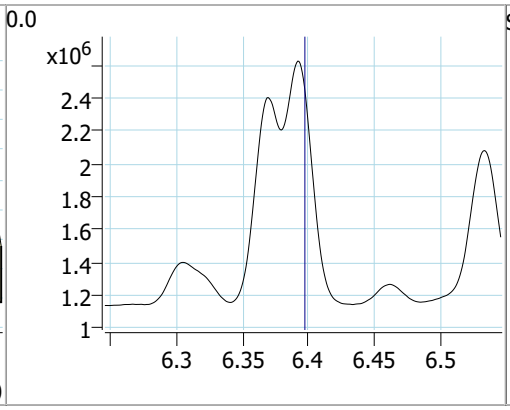


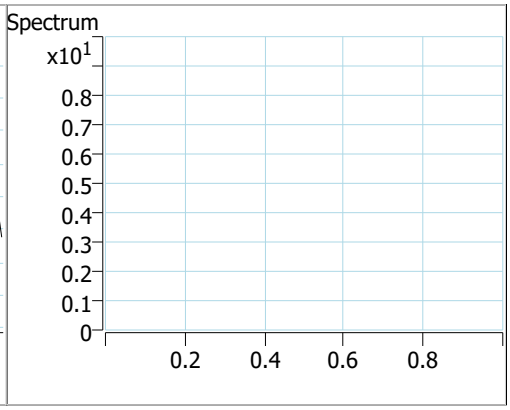




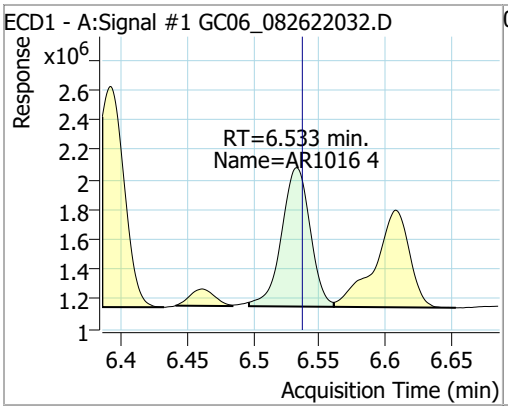
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	521.2152	6.39	0.00	2056176				

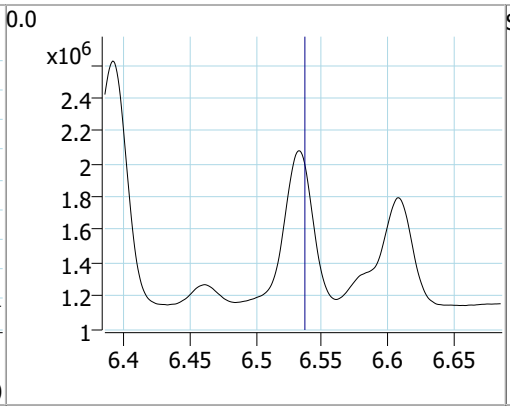


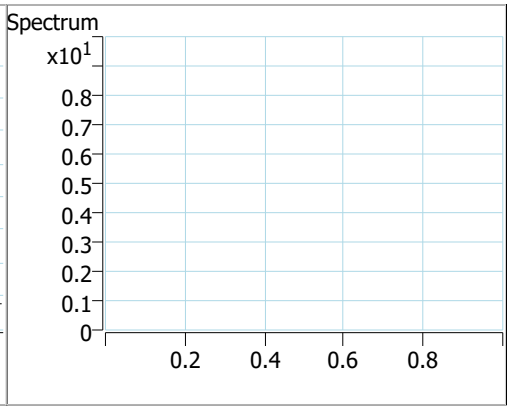




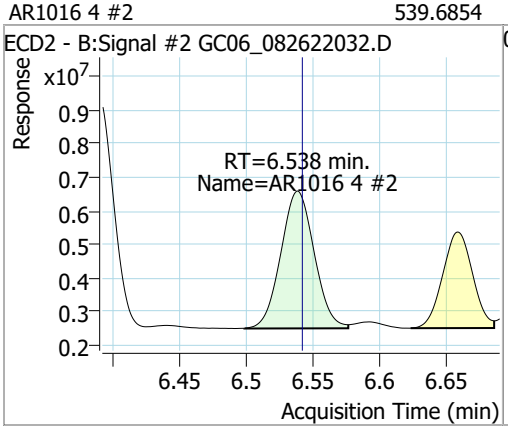
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	474.0174	6.53	0.00	1399381				

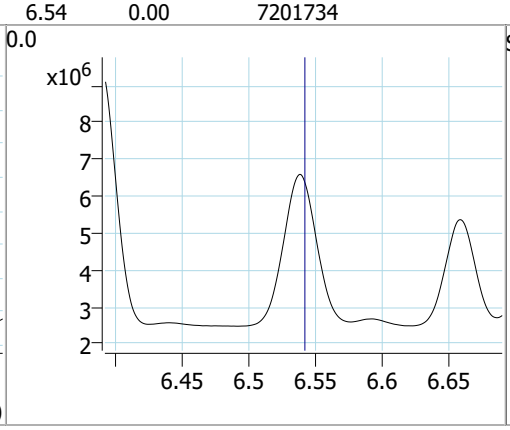


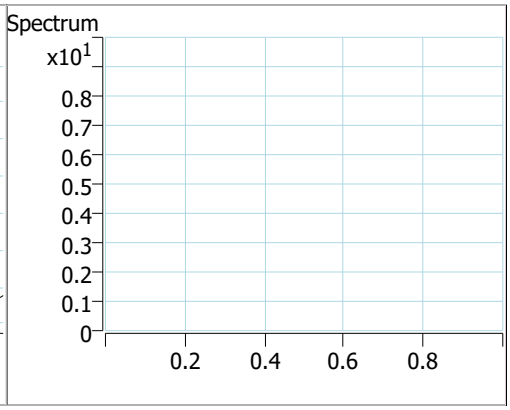




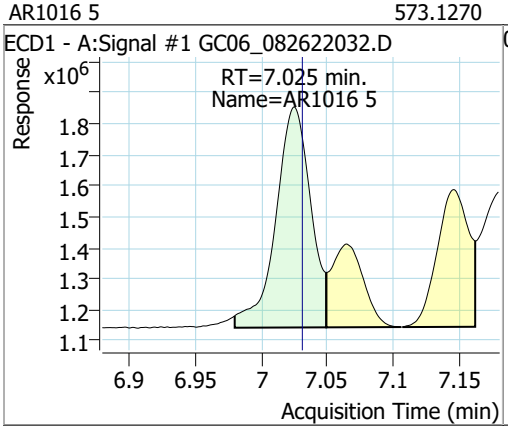
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	539.6854	6.54	0.00	7201734				

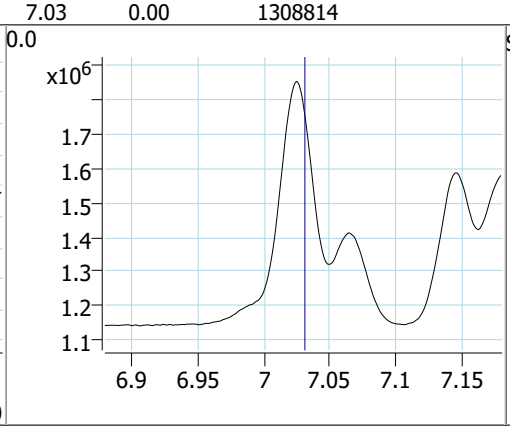


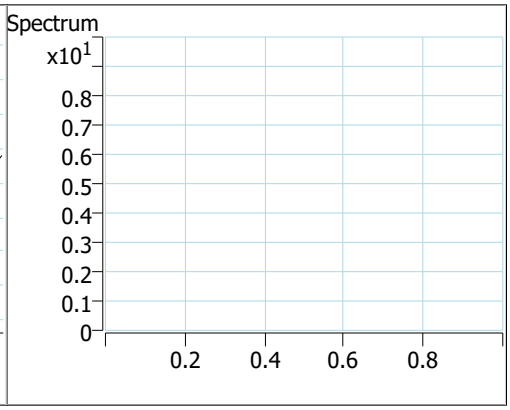




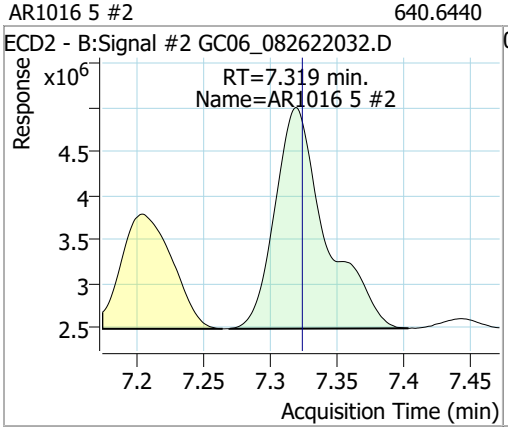
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	573.1270	7.03	0.00	1308814				

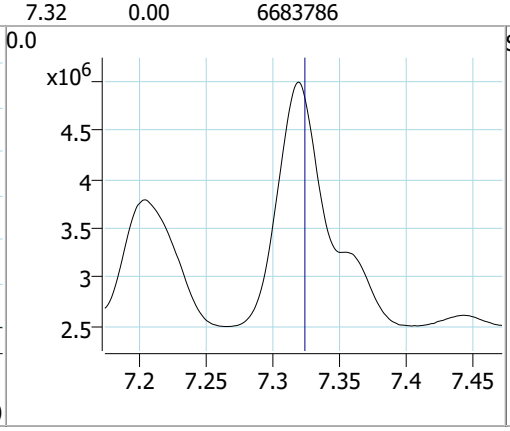


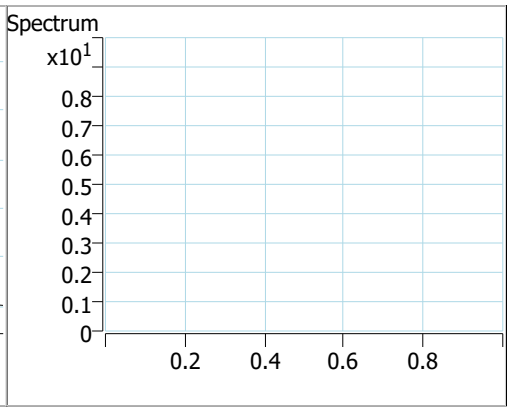




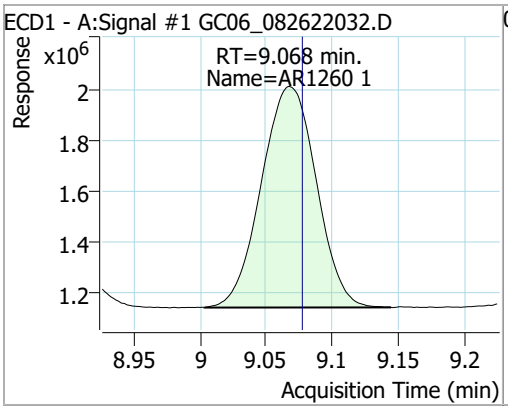
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	640.6440	7.32	0.00	6683786				

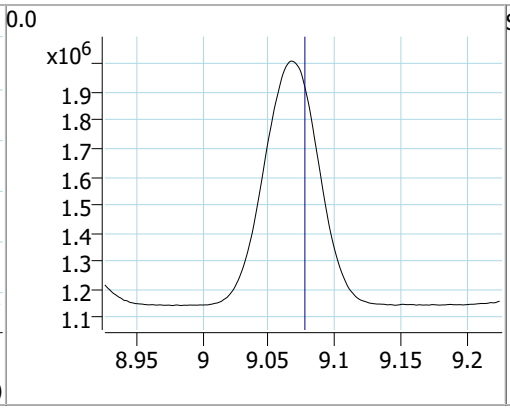


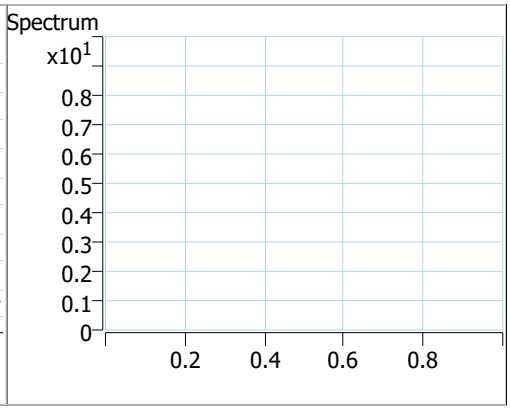




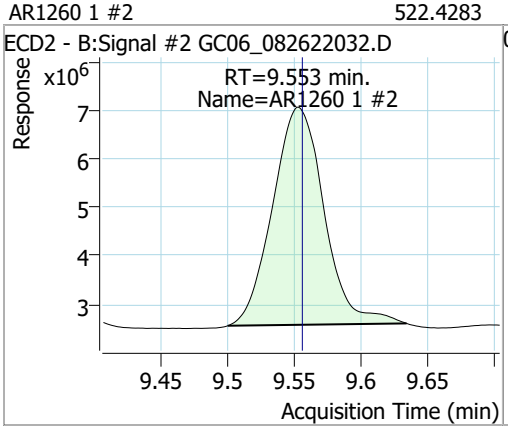
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	507.6758	9.07	-0.01	2514444				

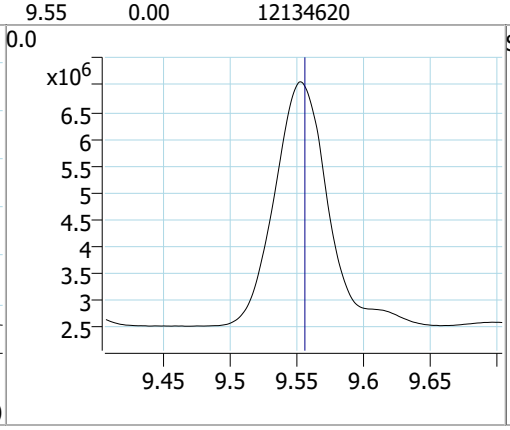


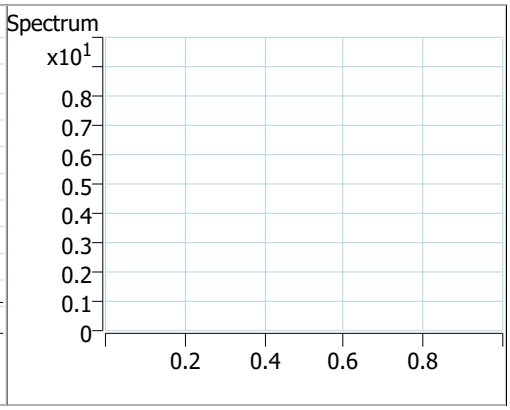




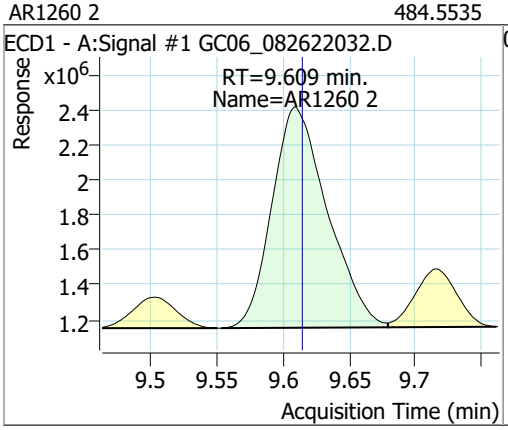
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	522.4283	9.55	0.00	12134620				

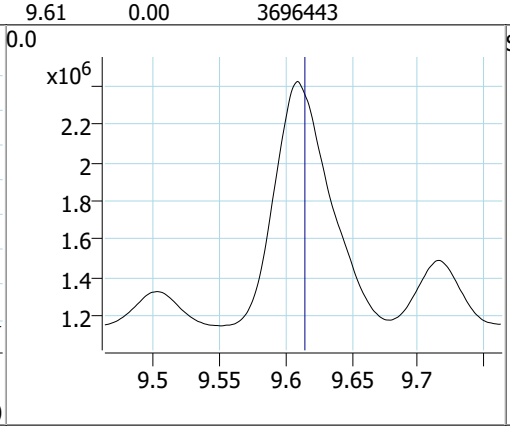


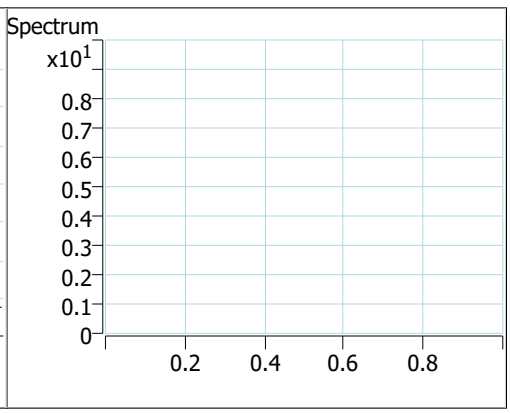




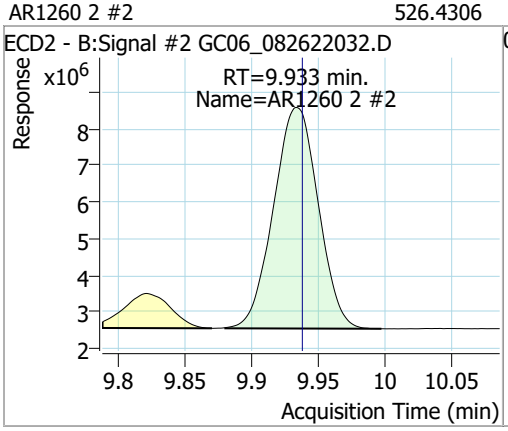
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	484.5535	9.61	0.00	3696443				

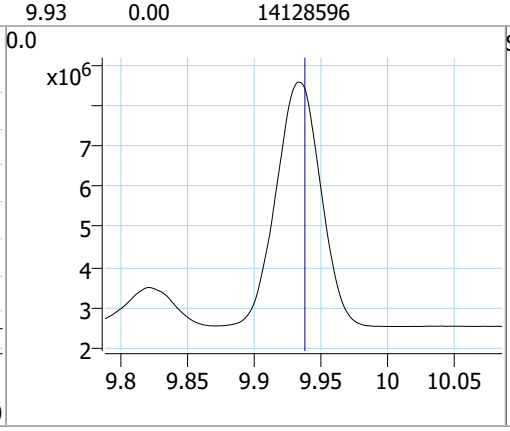


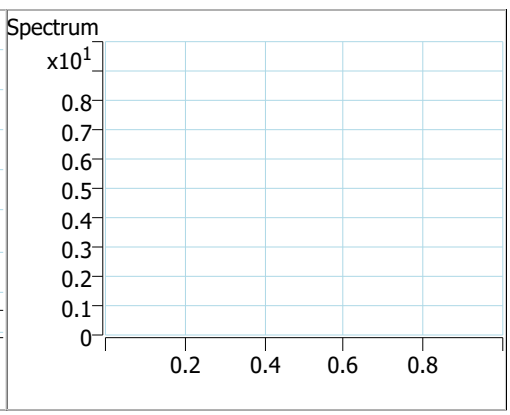




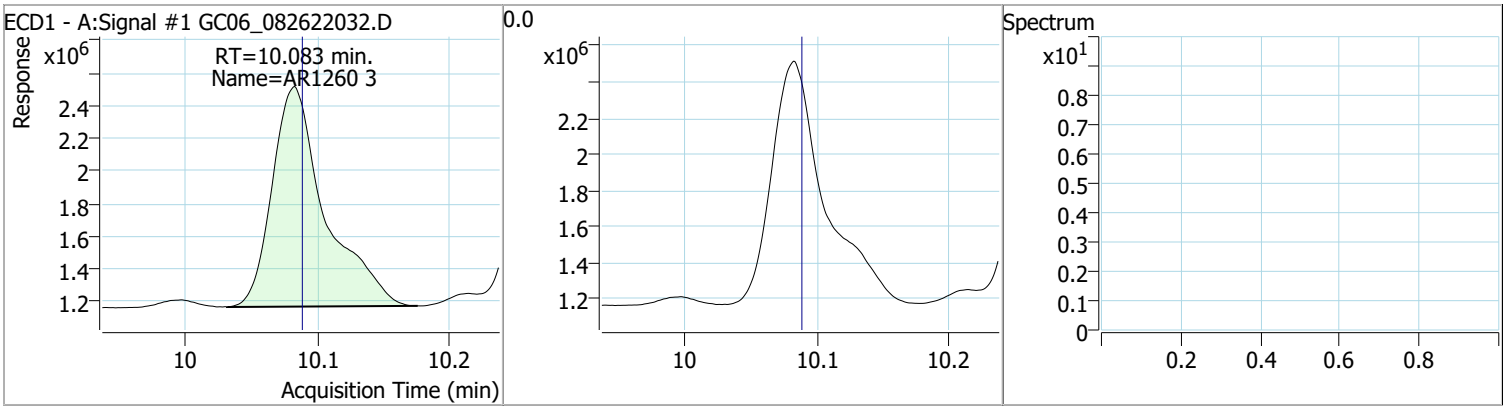
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	526.4306	9.93	0.00	14128596				



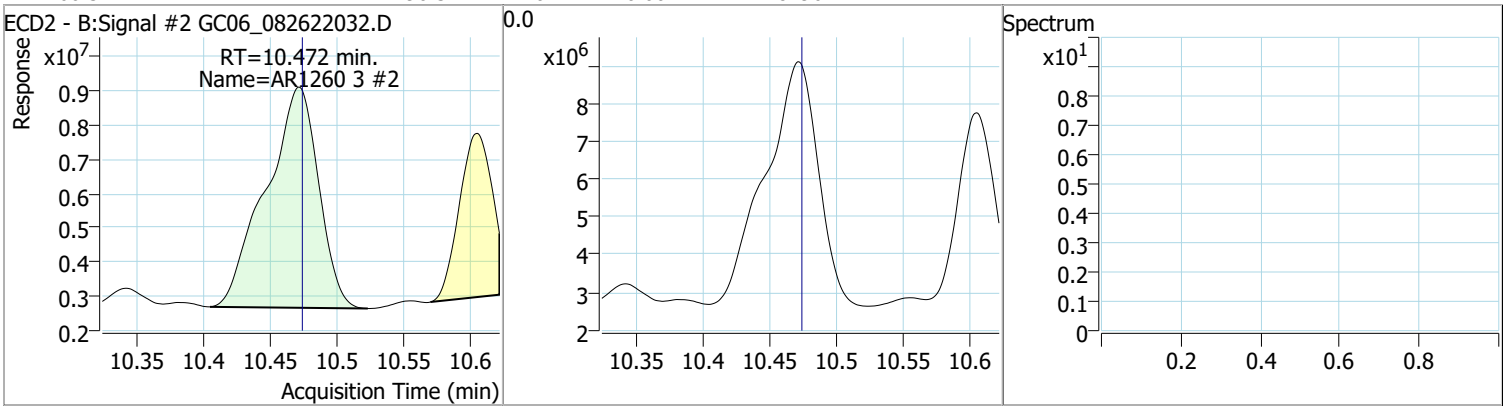




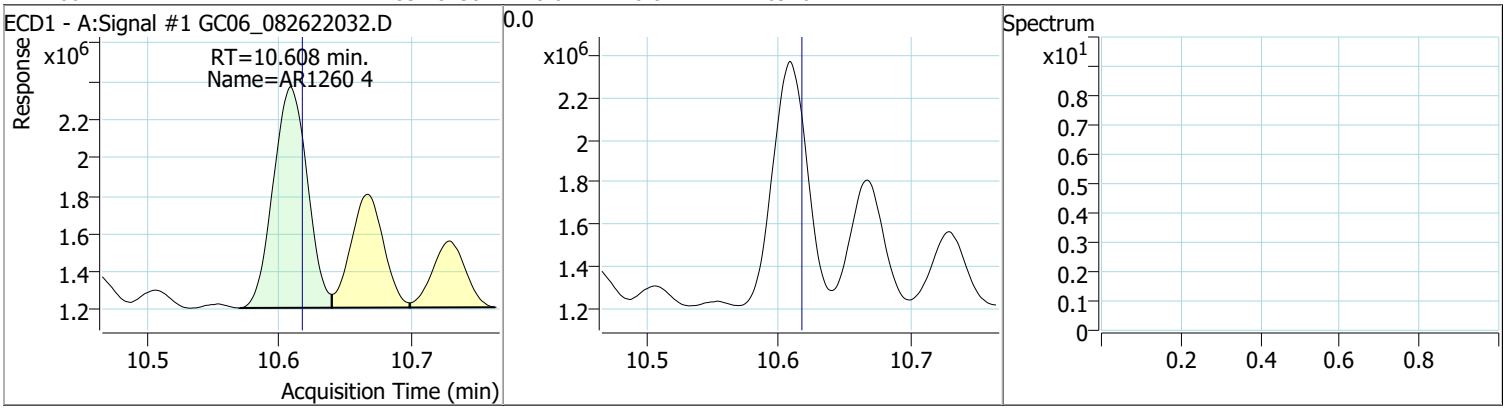
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	471.5281	10.08	0.00	3739403				



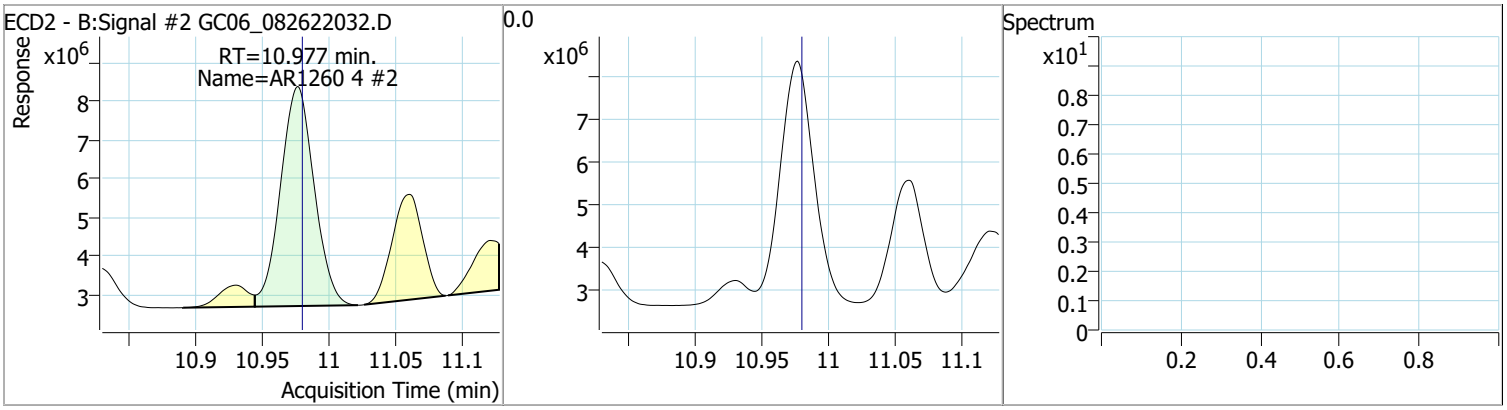
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	490.3471	10.47	0.00	17879617				



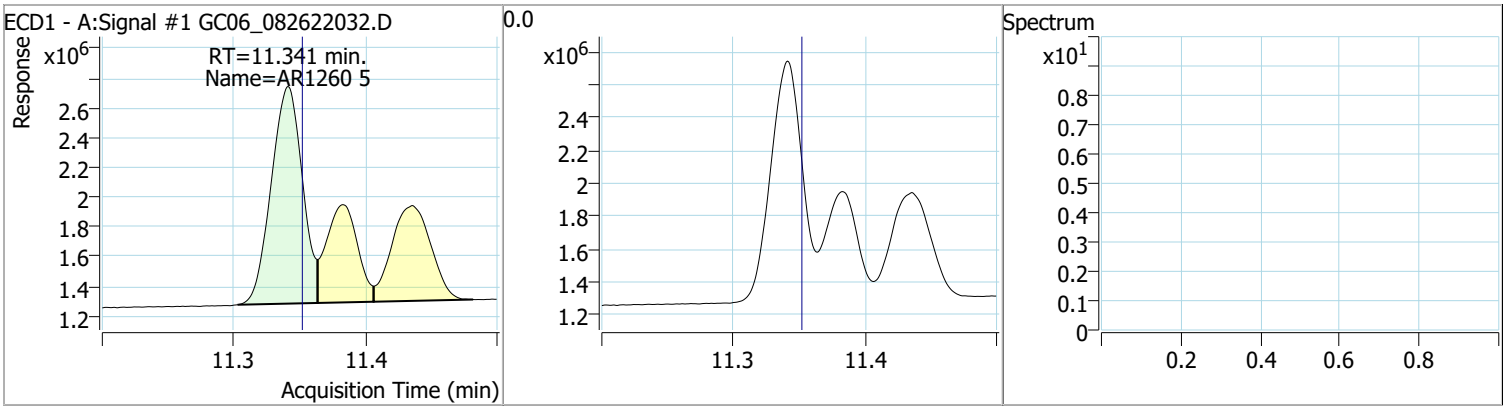
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	531.8438	10.61	-0.01	2097611				



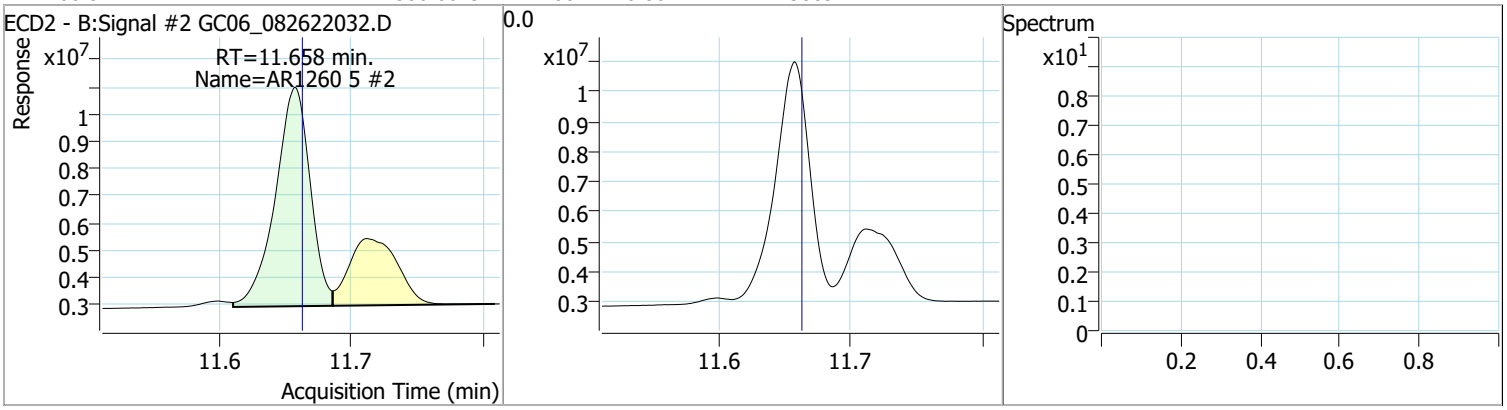
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	509.7750	10.98	0.00	10058299				



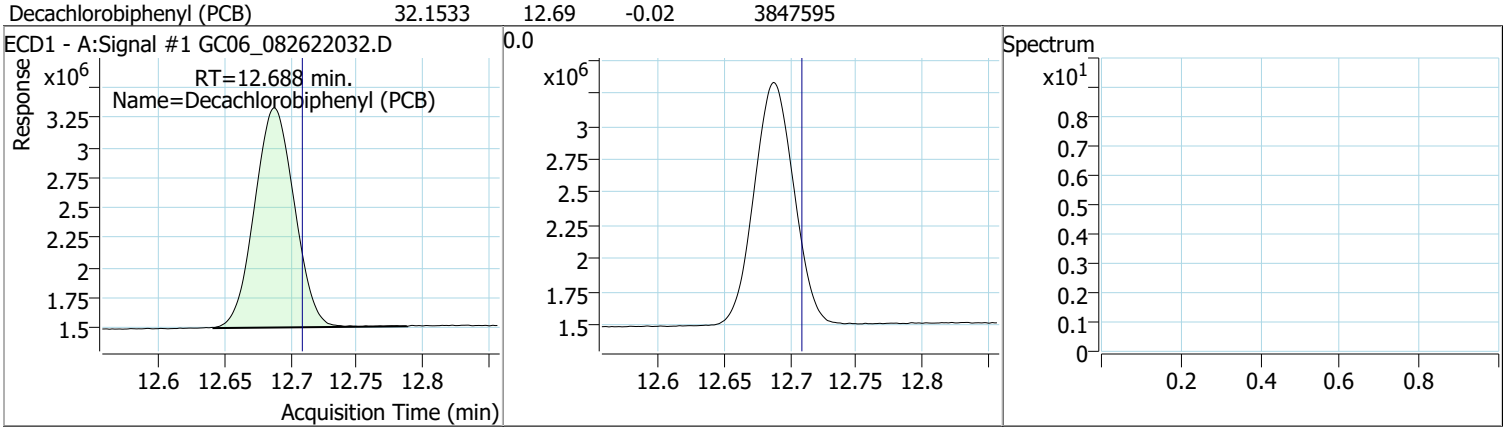
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	460.1259	11.34	-0.01	2401883				



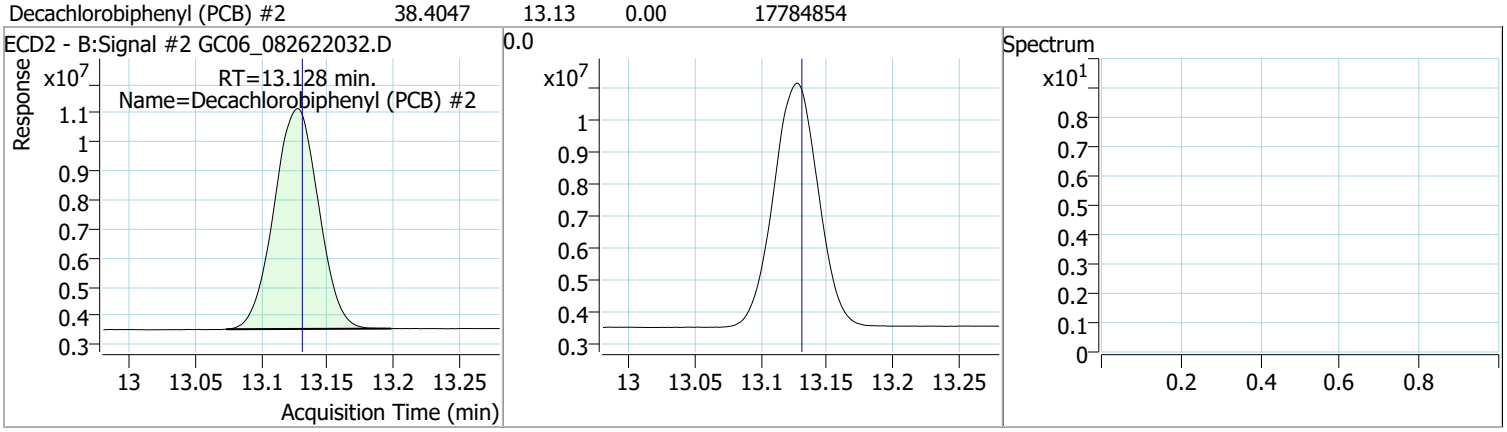
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	506.6679	11.66	0.00	14738897				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	32.1533	12.69	-0.02	3847595				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	38.4047	13.13	0.00	17784854				



ENTHALPY SPIKE USER REPORT FOR 467872 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC06	Inst:	SVOA-GC06
Seqnum:	452343556014.4	Seqnum:	452343556015.4
File:	gc06_082622014	File:	gc06_082622015
IDF:	1.0	IDF:	1.0
Lab ID:	QC1008495	Lab ID:	QC1008496
Matrix:	Wipe	Matrix:	Wipe
Batch:	295632	Batch:	295632
Time:	26-AUG-2022 17:35	Time:	26-AUG-2022 17:52
Cal:	452150634002	Cal:	452150634002
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	509.5	5.095	A	102	569.0	5.690	A	114	60-140	11	20	u
Aroclor-1016 Peak # 1		538.6	5.386	A		607.5	6.075	A					
Aroclor-1016 Peak # 2		484.2	4.842	A		542.9	5.429	A					
Aroclor-1016 Peak # 3		498.6	4.986	A		562.6	5.626	A					
Aroclor-1016 Peak # 4		461.8	4.618	A		509.5	5.095	A					
Aroclor-1016 Peak # 5		564.3	5.643	A		622.7	6.227	A					
Aroclor-1260	5.000	564.8	5.648	A	113	616.1	6.161	A	123	60-140	9	20	u
Aroclor-1260 Peak # 1		558.8	5.588	A		608.5	6.085	A					
Aroclor-1260 Peak # 2		540.2	5.402	A		587.3	5.873	A					
Aroclor-1260 Peak # 3		541.4	5.414	A		588.0	5.880	A					
Aroclor-1260 Peak # 4		620.0	6.200	A		676.5	6.765	A					
Aroclor-1260 Peak # 5		563.6	5.636	A		620.2	6.202	A					
Surrogates													
TCMX (PCB)	0.5000	41.28	0.4128	A	83	48.65	0.4865	A	97	52-186			c+ u
Decachlorobiphenyl (PCB)	0.5000	39.59	0.3959	A	79	43.82	0.4382	A	88	60-140			u

ISTD (CCV gc06_082622002)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	9631063	17.19
1-bromo-2-nitrobenzene (PCB)	A	1919479	1765534	-8.02

ISTD (CCV gc06_082622002)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

ISTD (CCV gc06_082622002)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	8789073	6.94
1-bromo-2-nitrobenzene (PCB)	A	1919479	1599891	-16.65

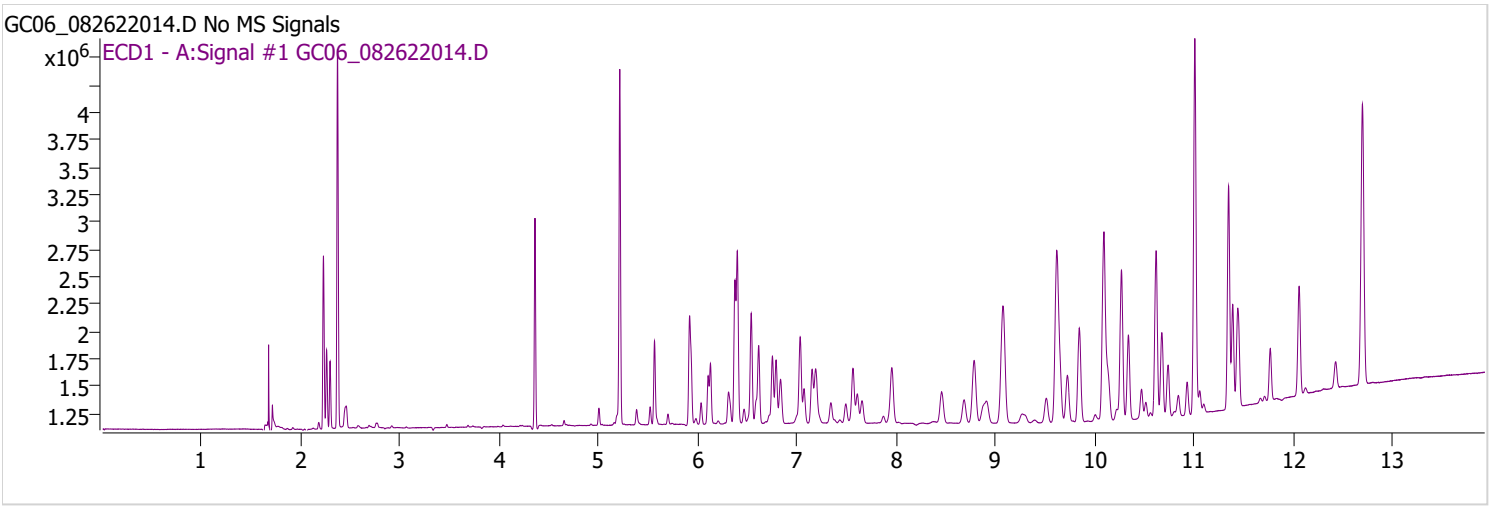
ISTD (CCV gc06_082622002)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

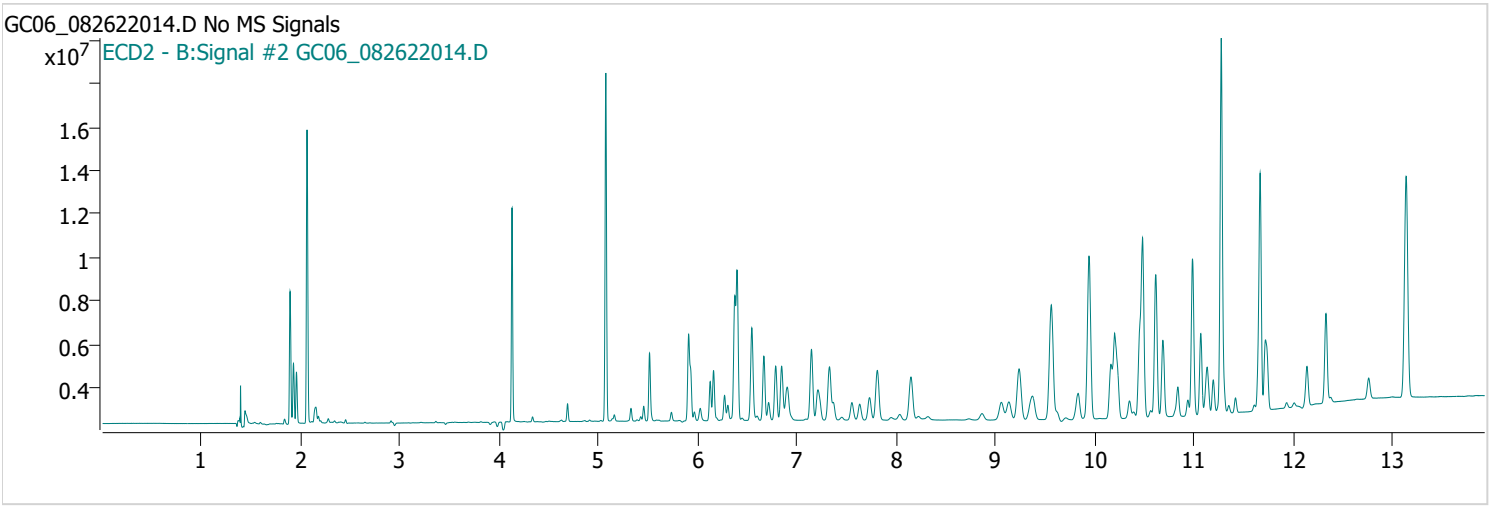
Analyst: TRN 08/30/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622014.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 5:35:08 PM
Sample Name	QC1008495, 295632, 1	Instrument	SVOA-GC06
Vial	4	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



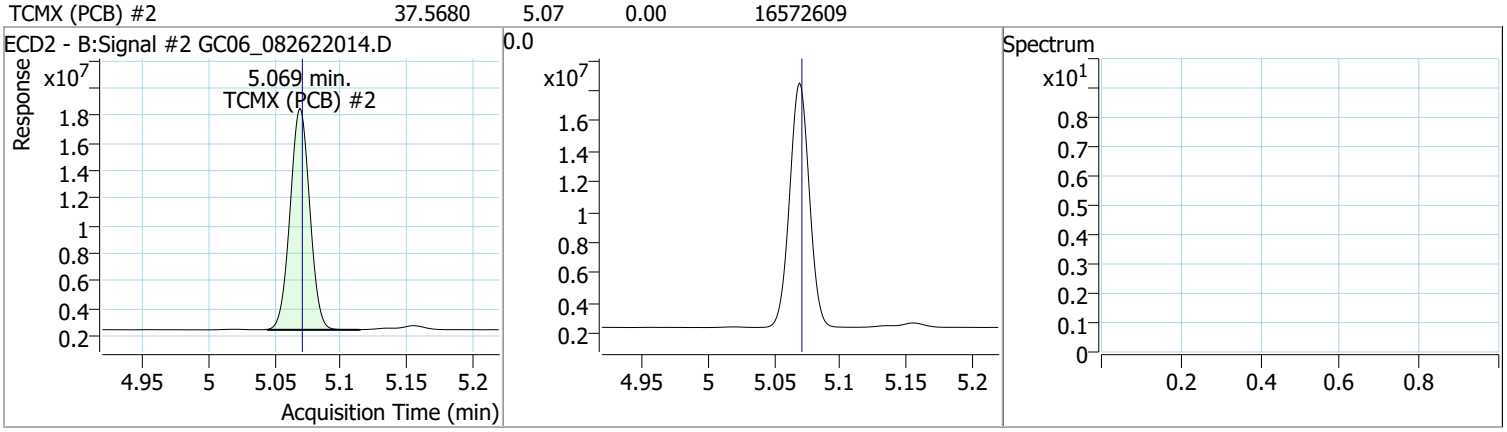


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	9631063.152	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.356	0.0	1765533.699	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB) #2	5.069	0.0	16572609.397	37.5680	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.84%		*	
S TCMX (PCB)	5.210	0.0	3504580.148	41.2678	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 206.34%		*	
S Decachlorobiphenyl (PCB)	12.692	0.0	5312976.198	39.5779	ng/ml		-0.014
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.89%		*	
S Decachlorobiphenyl (PCB) #2	13.132	0.0	24087905.970	41.4481	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 207.24%		*	
Target Compounds							QValue

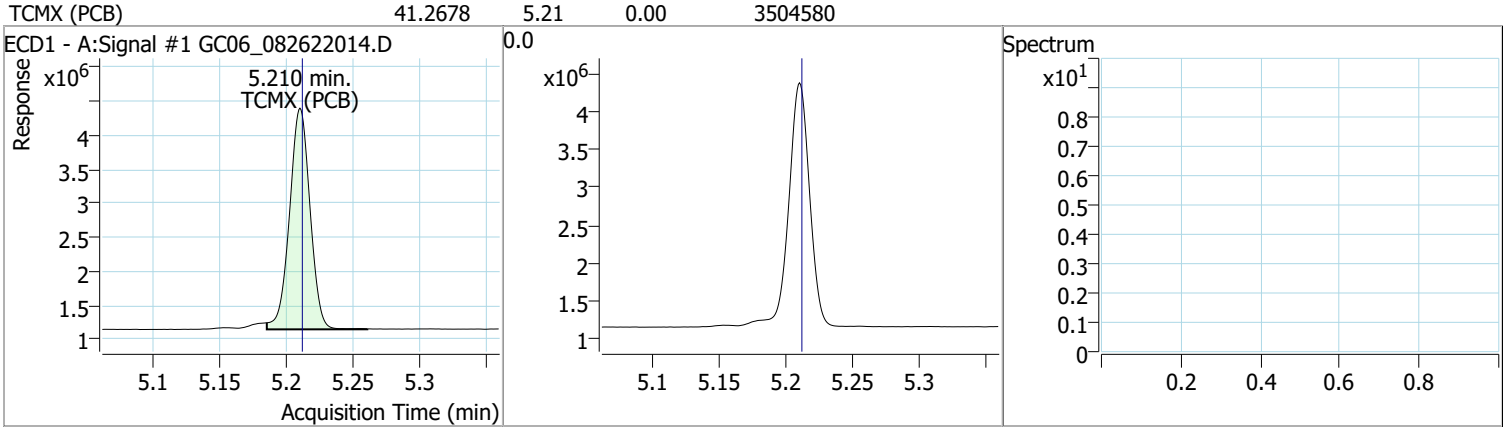
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.510	0.0	3869584.295	429.0387	ng/ml	100
T AR1016 1	5.560	0.0	929923.463	538.4610	ng/ml	100
T AR1016 2 #2	5.904	0.0	8080851.288	431.7368	ng/ml	100
T AR1016 2	5.913	0.0	1820497.686	484.1328	ng/ml	100
T AR1016 3 #2	6.391	0.0	18214273.353	737.8952	ng/ml	100
T AR1016 3	6.394	0.0	2206021.922	498.4762	ng/ml	100
T AR1016 4	6.534	0.0	1528983.389	461.6779	ng/ml	100
T AR1016 4 #2	6.540	0.0	7417663.176	442.9372	ng/ml	100
T AR1016 5	7.028	0.0	1445345.082	564.1860	ng/ml	100
T AR1016 5 #2	7.323	0.0	6870461.744	524.7490	ng/ml	100
T AR1260 1	9.070	0.0	3104121.667	558.6772	ng/ml	100
T AR1260 1 #2	9.558	0.0	15479625.352	531.0463	ng/ml	100
T AR1260 2	9.613	0.0	4621590.742	540.0415	ng/ml	100
T AR1260 2 #2	9.937	0.0	17321625.376	514.2831	ng/ml	100
T AR1260 3	10.088	0.0	4815126.341	541.2412	ng/ml	100
T AR1260 3 #2	10.477	0.0	22290490.139	487.1206	ng/ml	100
T AR1260 4	10.613	0.0	2742550.812	619.8571	ng/ml	100
T AR1260 4 #2	10.980	0.0	12991874.333	524.6834	ng/ml	100
T AR1260 5	11.343	0.0	3299314.236	563.4124	ng/ml	100
T AR1260 5 #2	11.661	0.0	19613140.163	537.2508	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

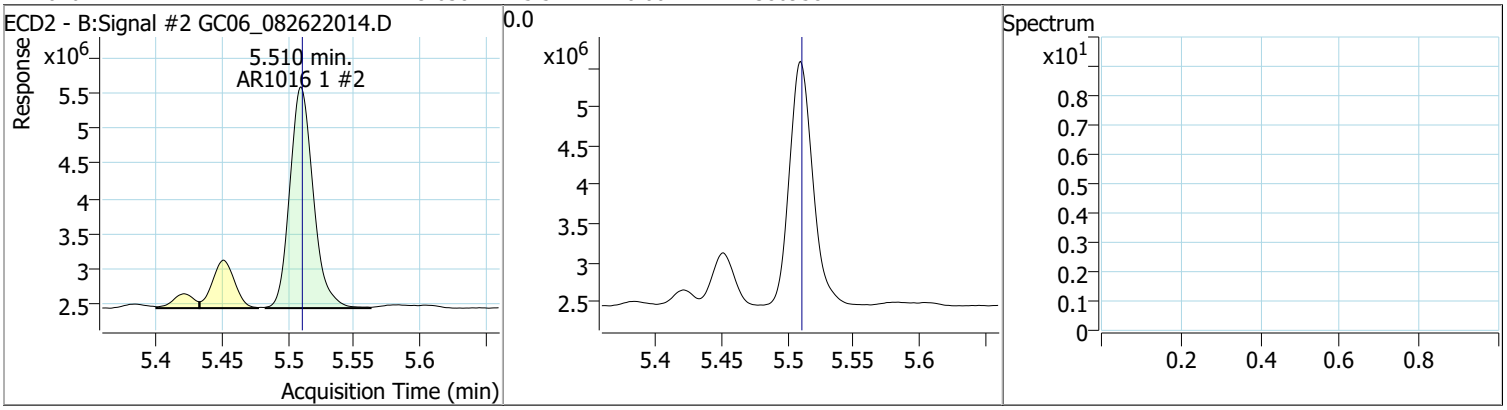
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.5680	5.07	0.00	16572609				



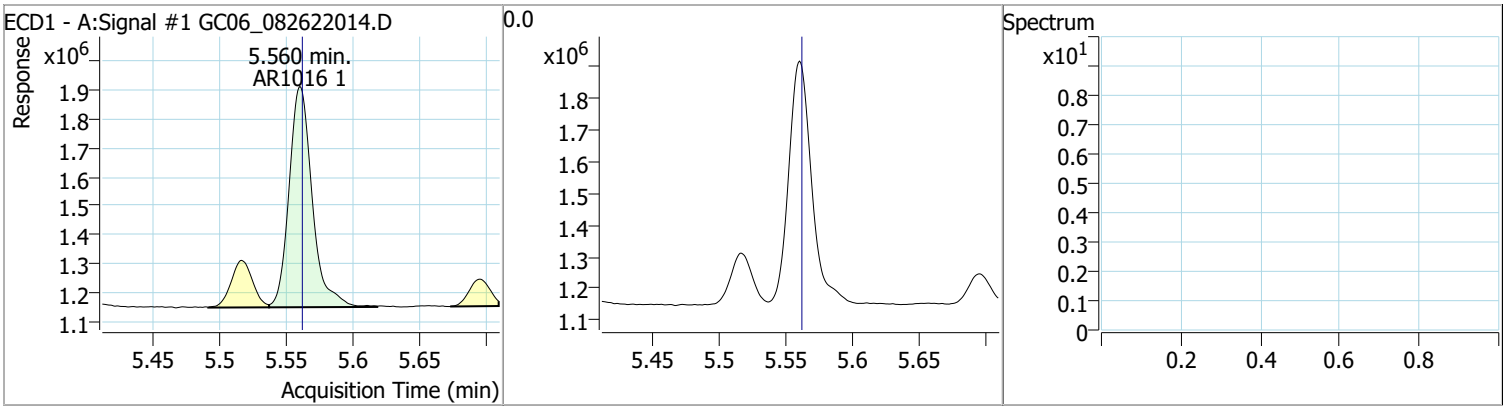
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	41.2678	5.21	0.00	3504580				



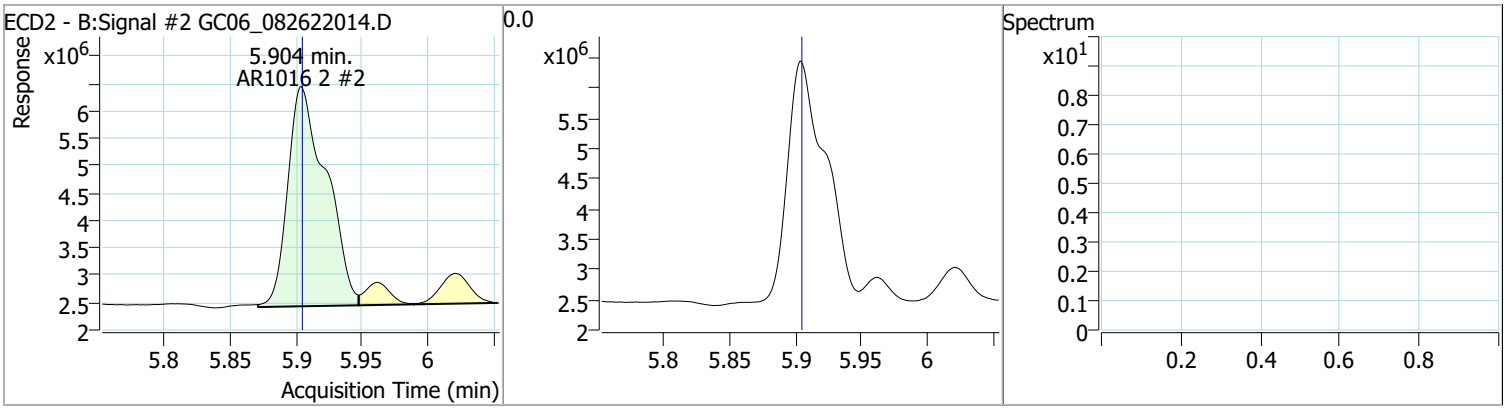
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	429.0387	5.51	0.00	3869584				



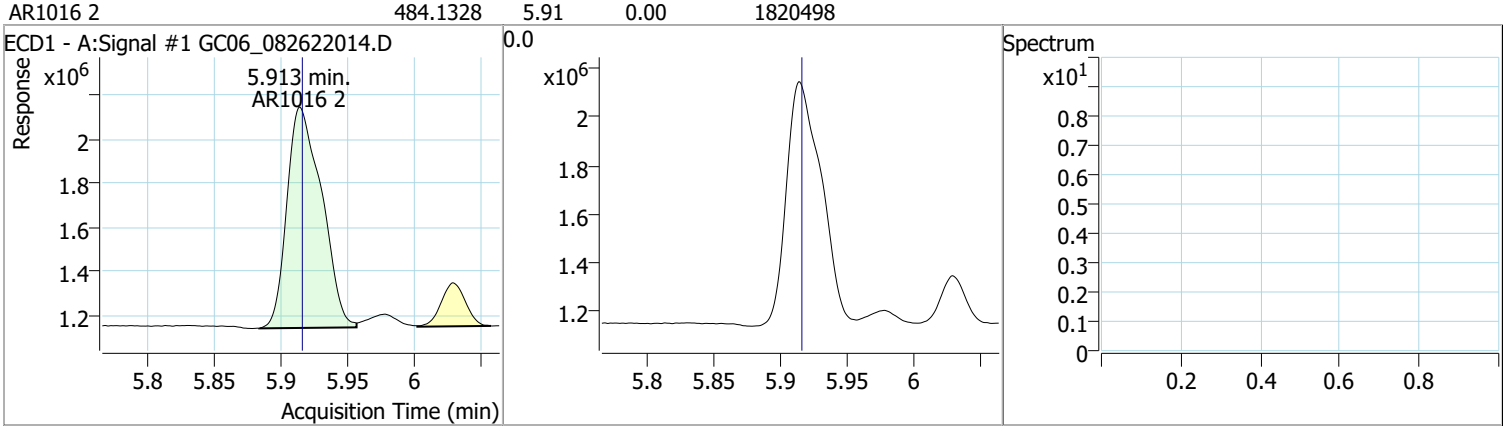
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	538.4610	5.56	0.00	929923				



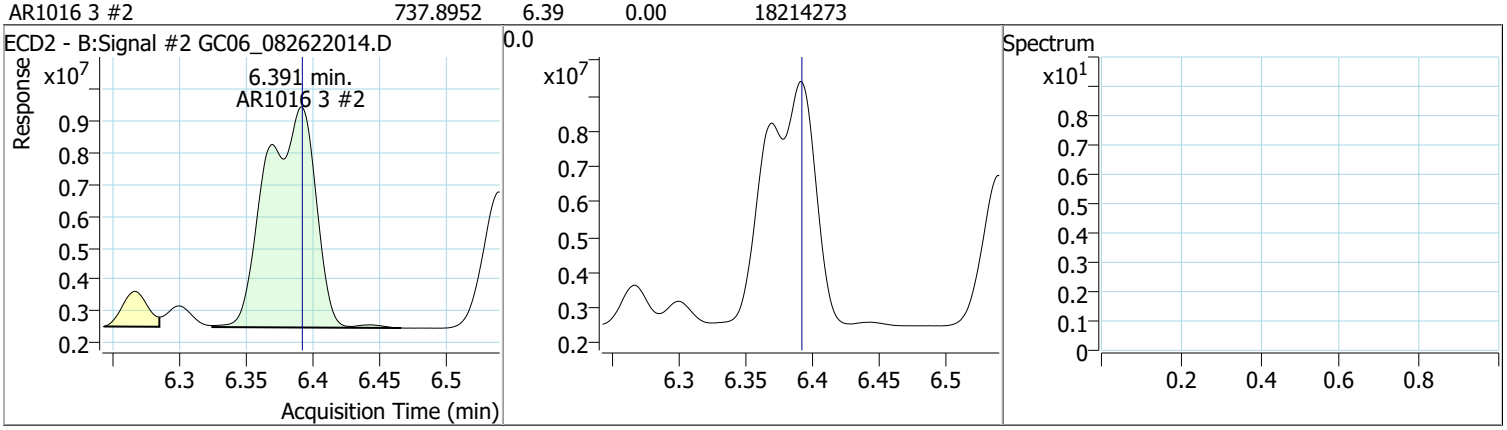
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	431.7368	5.90	0.00	8080851				



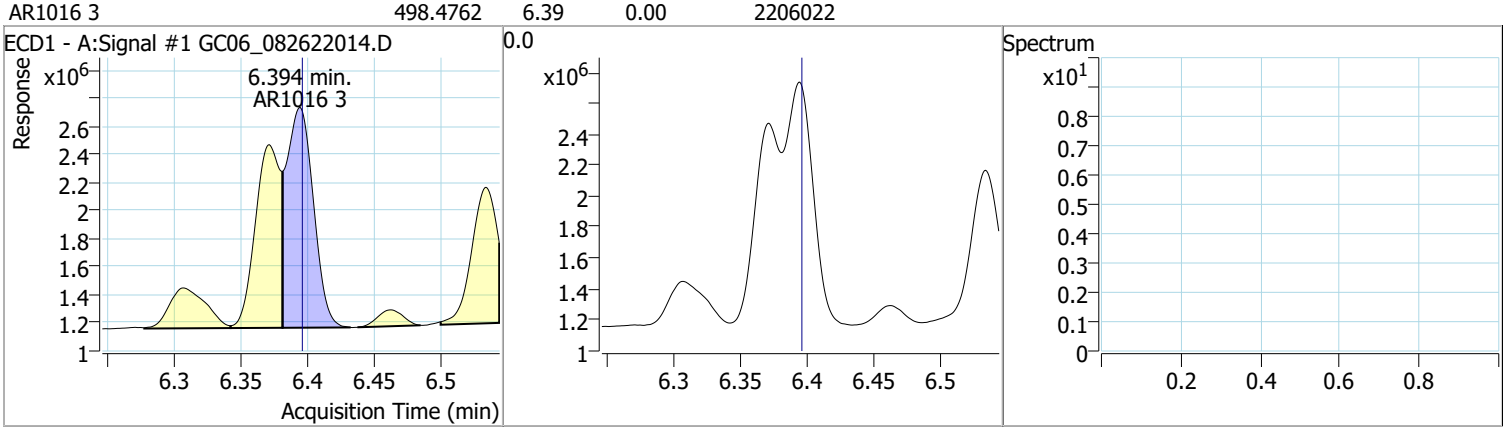
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	484.1328	5.91	0.00	1820498				



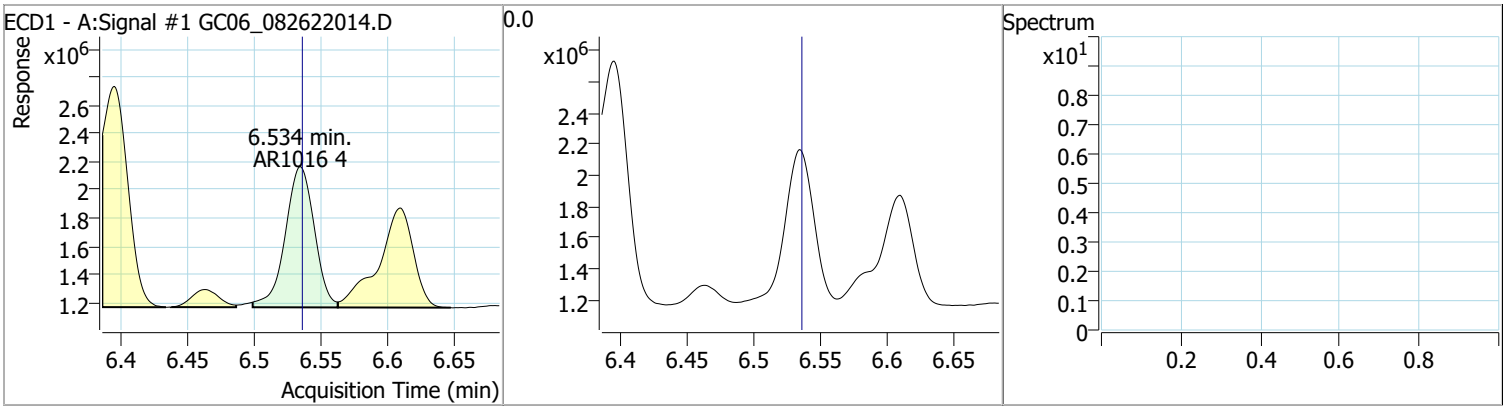
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	737.8952	6.39	0.00	18214273				



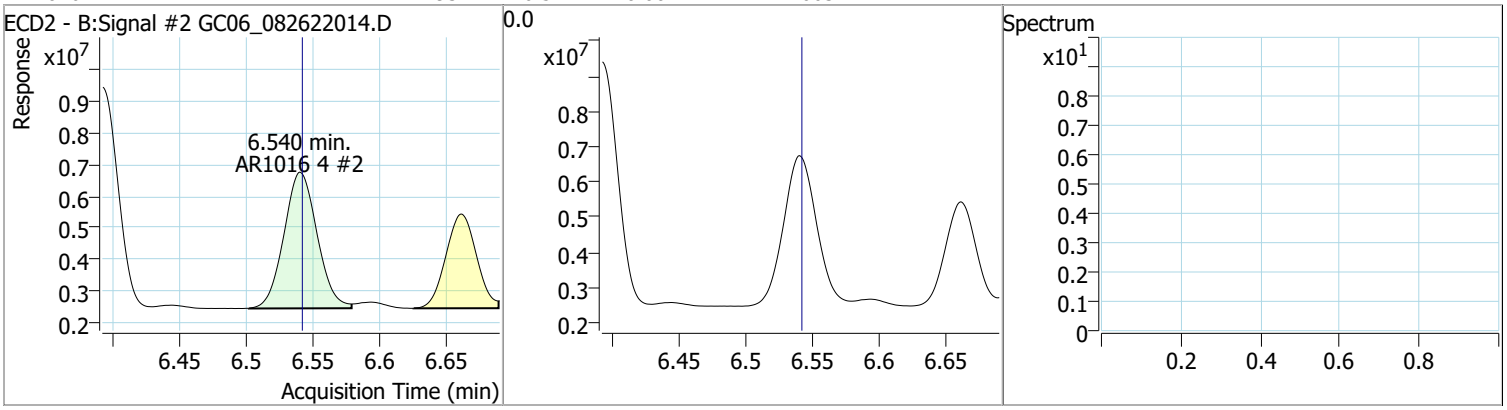
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	498.4762	6.39	0.00	2206022				



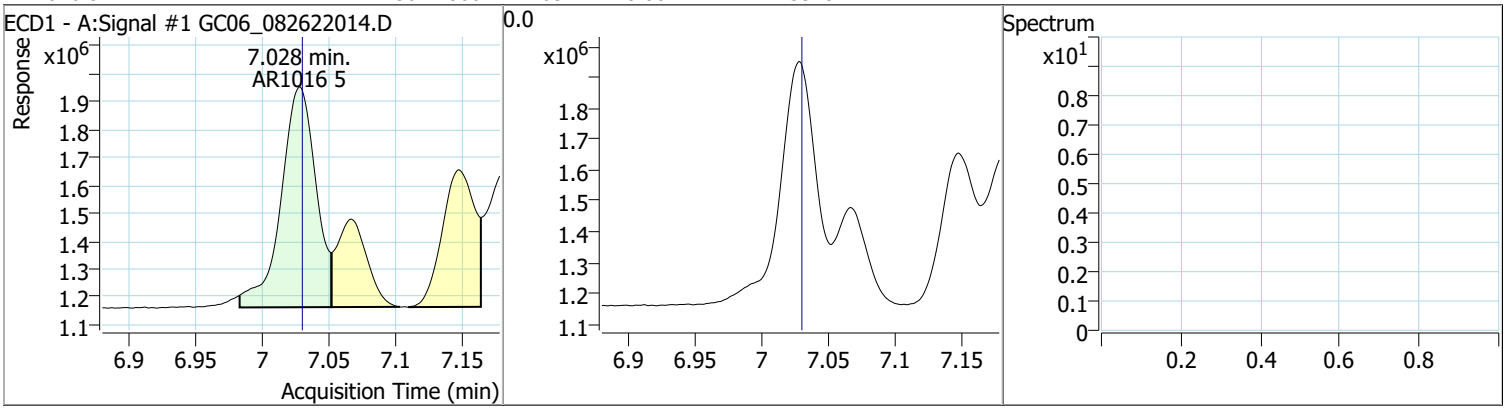
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	461.6779	6.53	0.00	1528983				



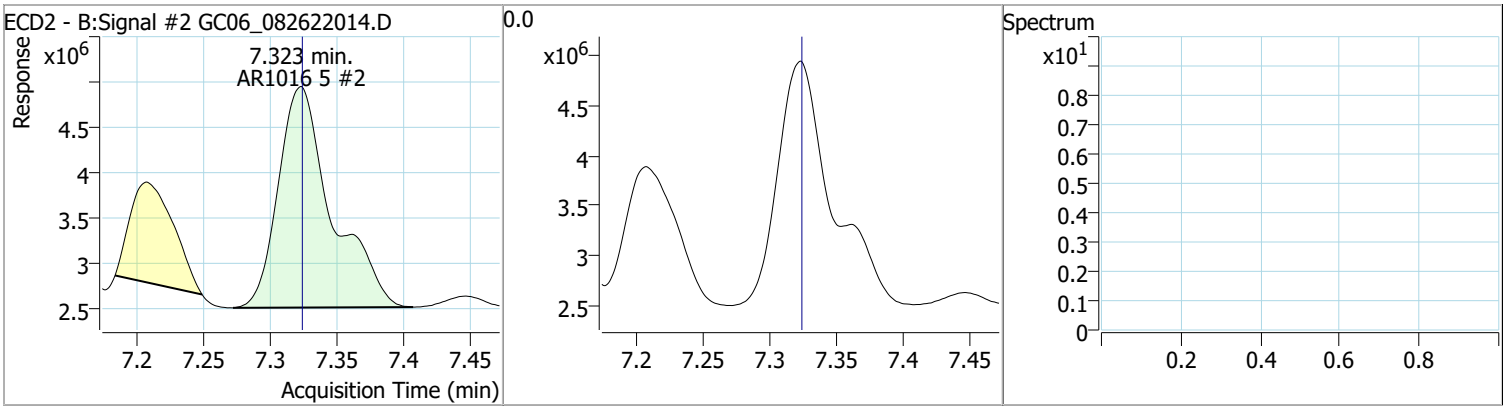
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	442.9372	6.54	0.00	7417663				



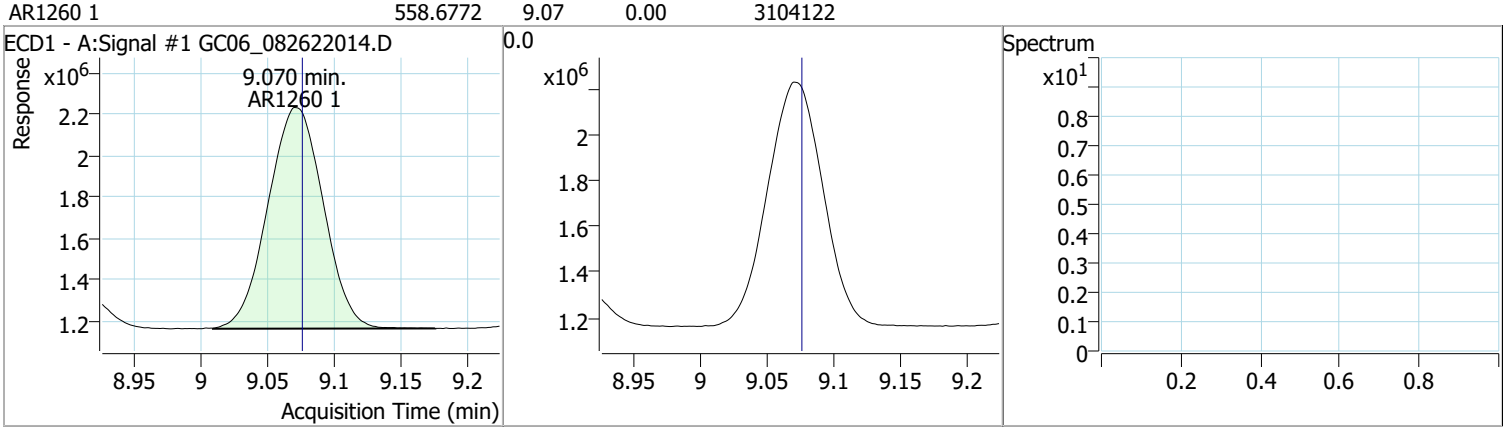
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	564.1860	7.03	0.00	1445345				



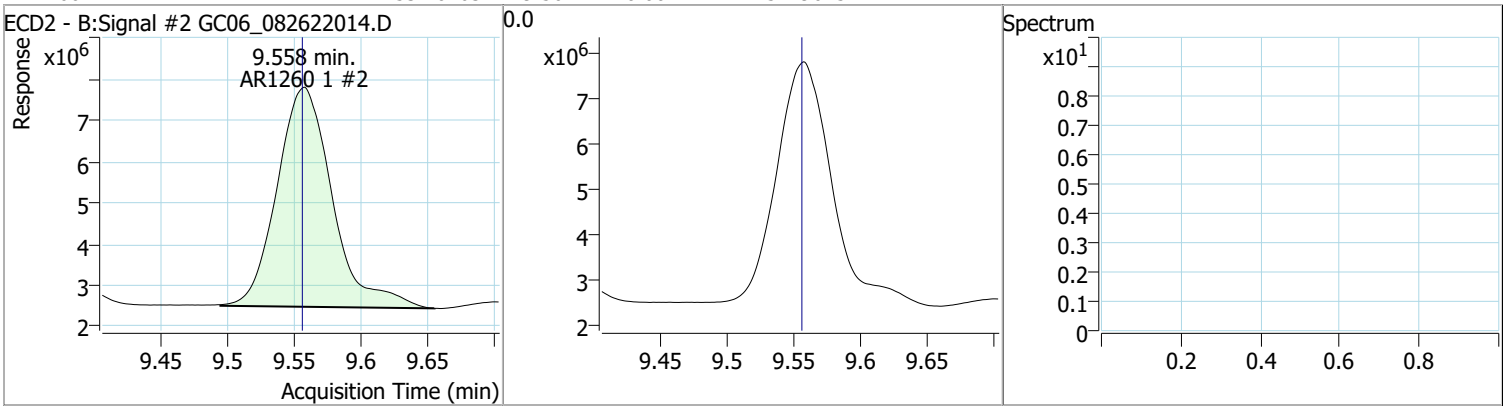
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	524.7490	7.32	0.00	6870462				



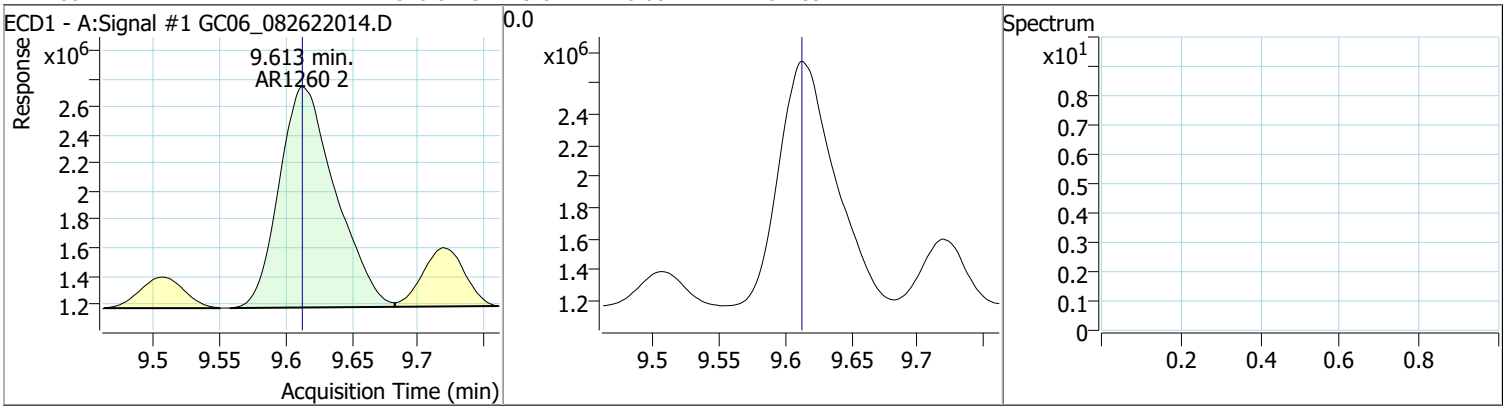
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	558.6772	9.07	0.00	3104122				



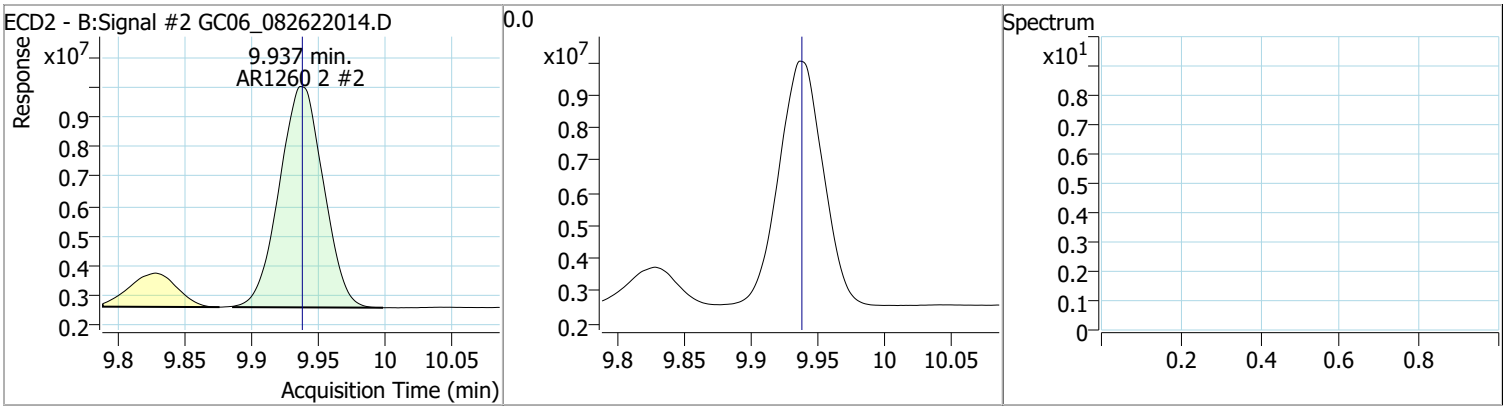
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	531.0463	9.56	0.00	15479625				



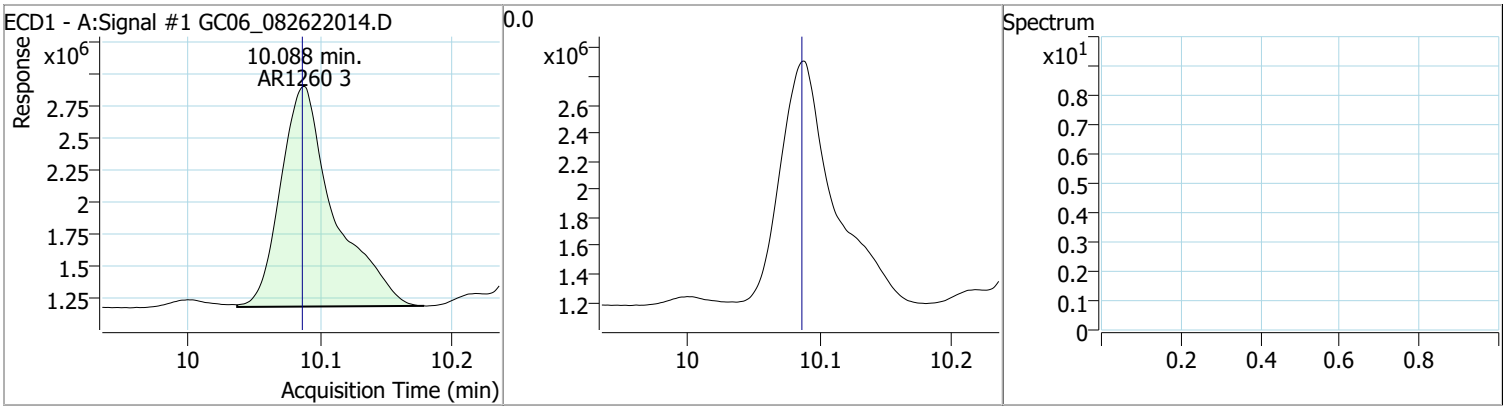
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	540.0415	9.61	0.00	4621591				



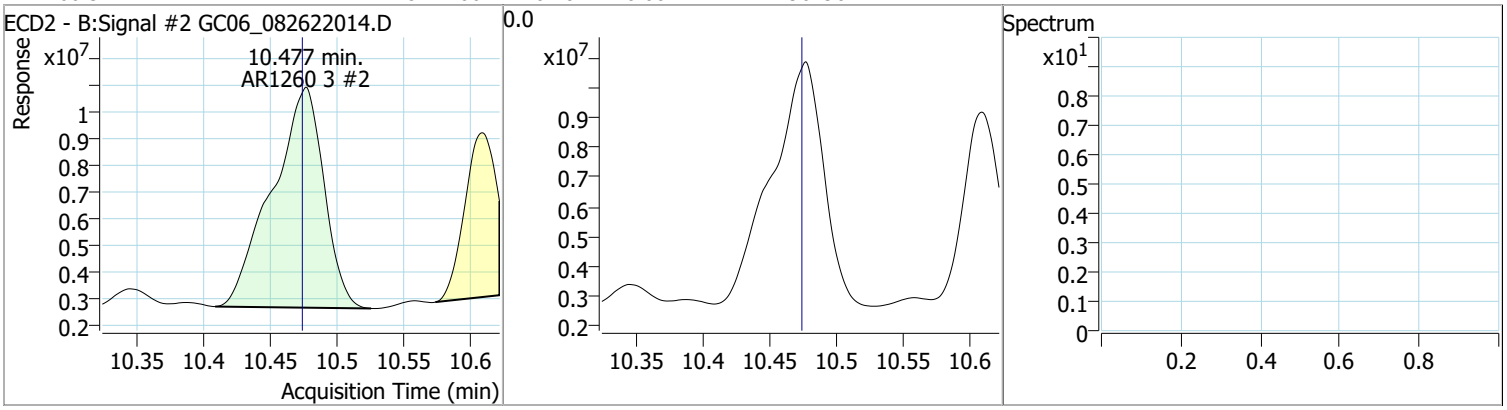
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	514.2831	9.94	0.00	17321625				



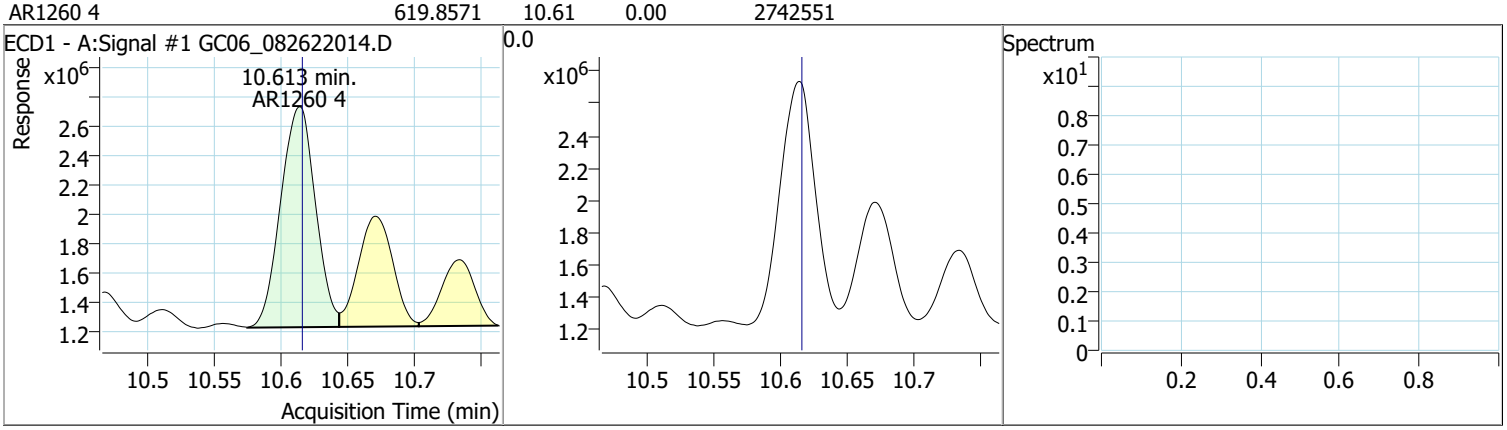
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	541.2412	10.09	0.00	4815126				



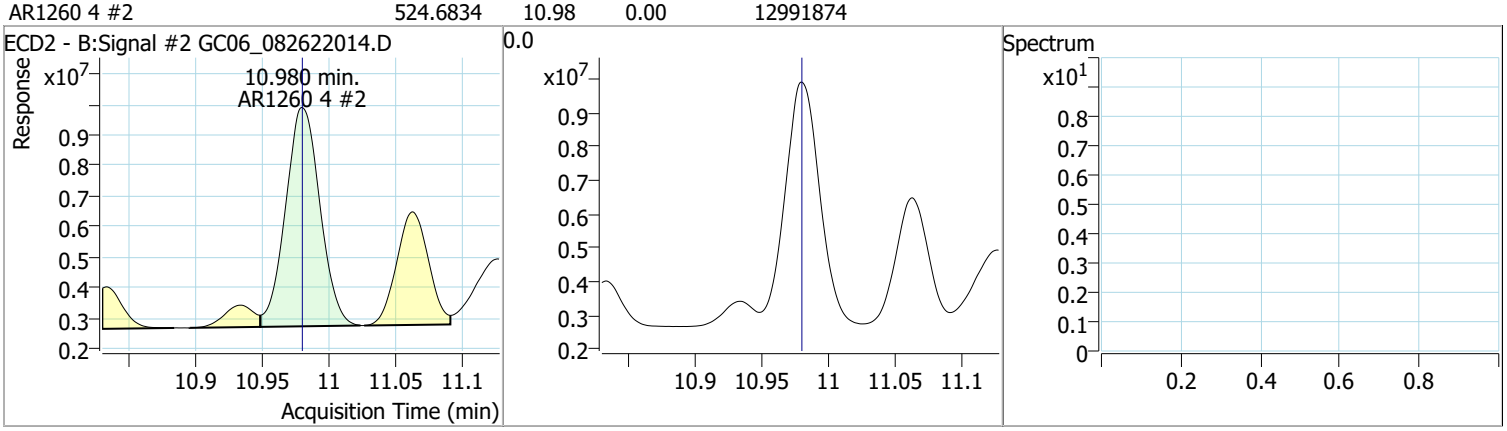
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	487.1206	10.48	0.00	22290490				



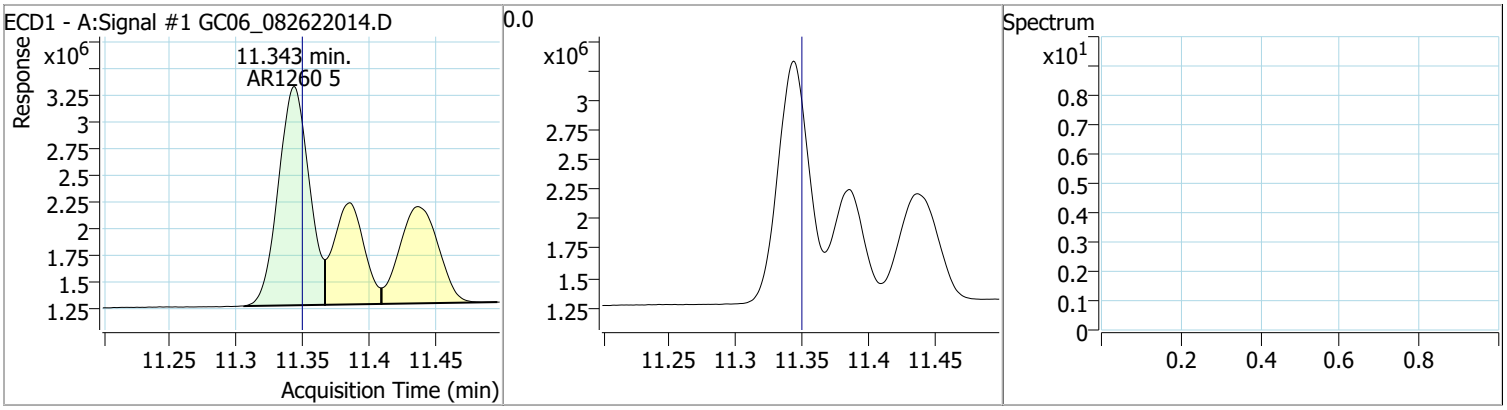
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	619.8571	10.61	0.00	2742551				



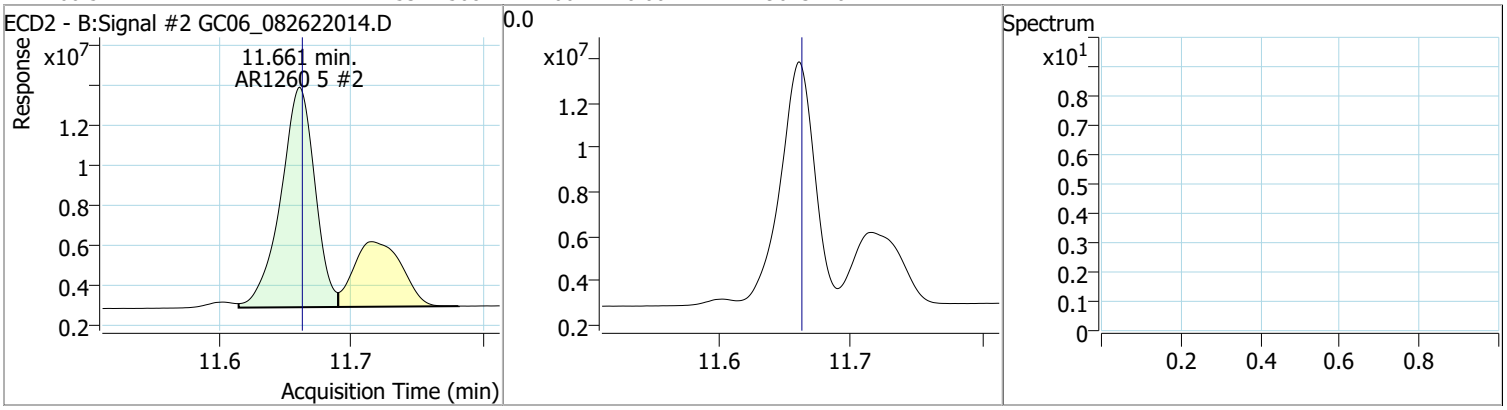
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	524.6834	10.98	0.00	12991874				



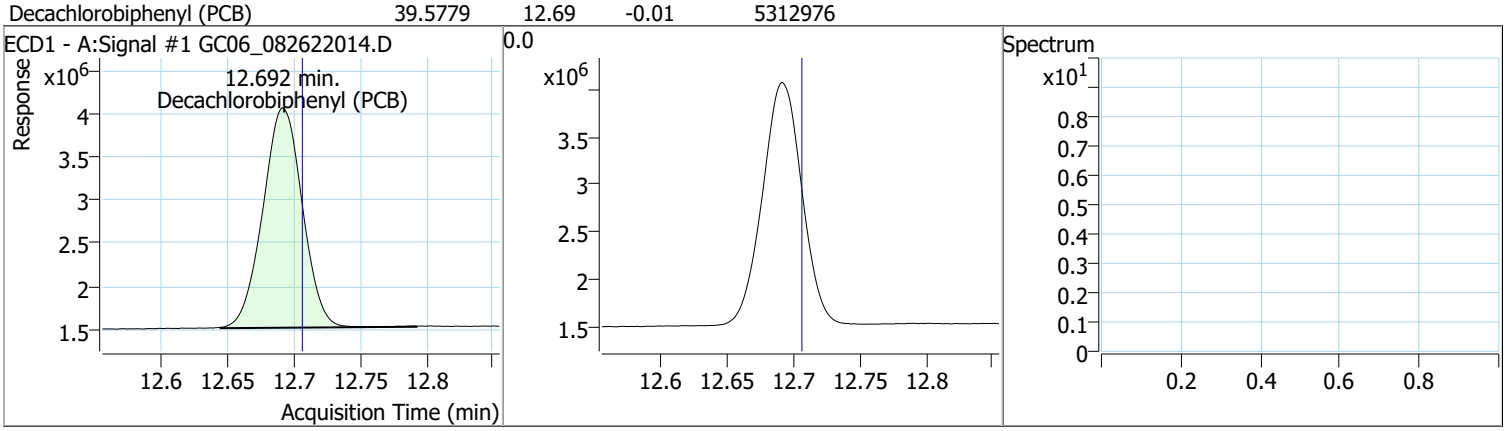
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	563.4124	11.34	-0.01	3299314				



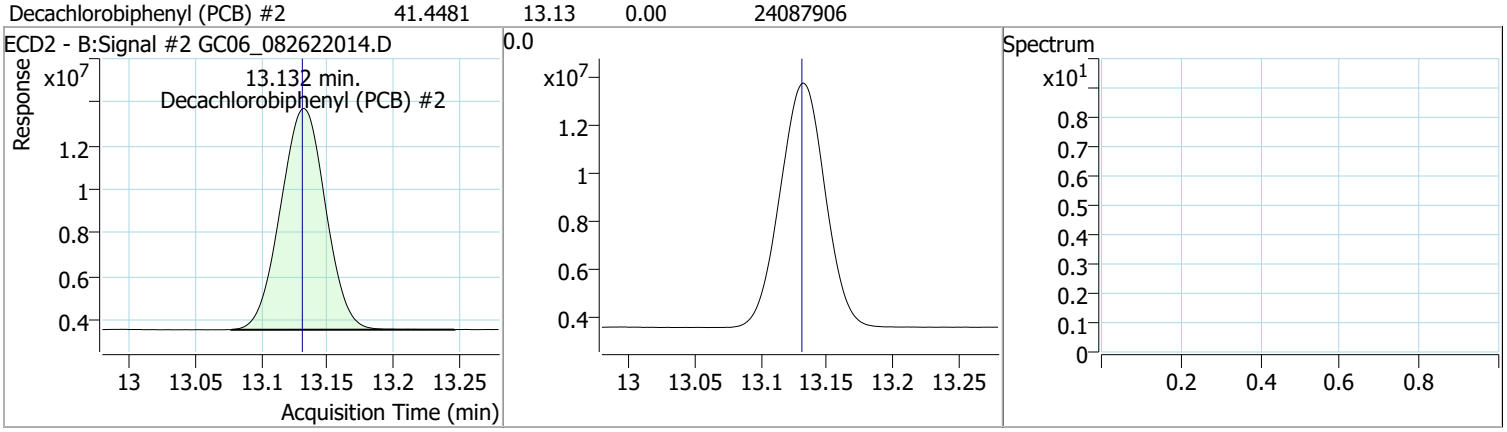
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	537.2508	11.66	0.00	19613140				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.5779	12.69	-0.01	5312976				

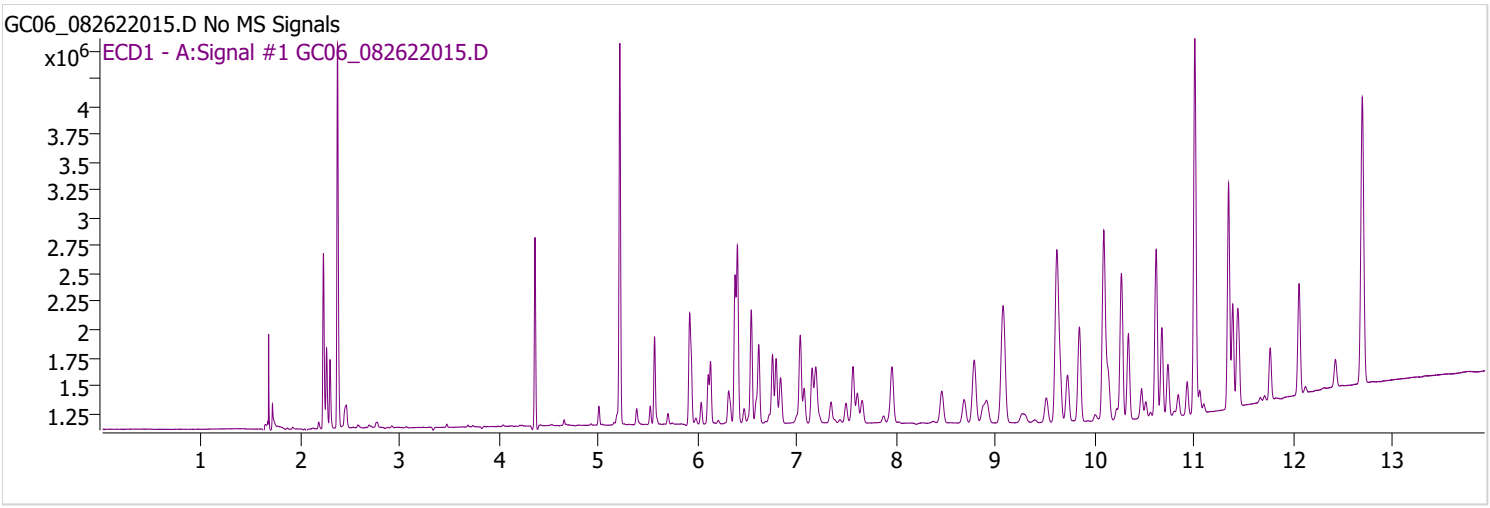


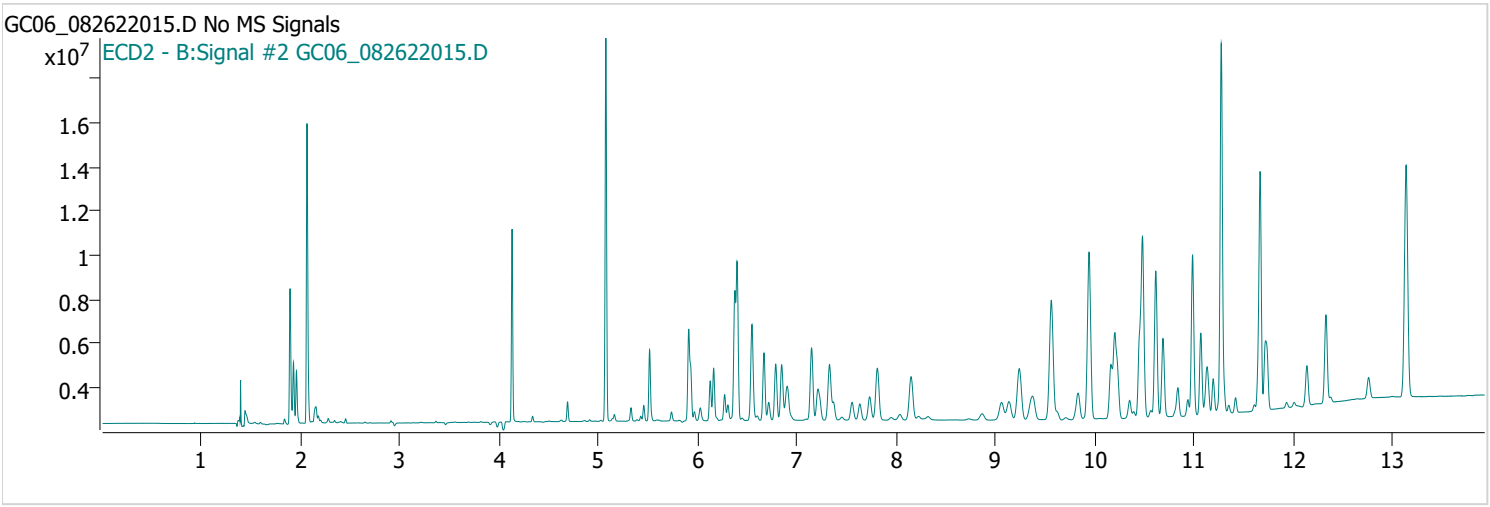
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	41.4481	13.13	0.00	24087906				



Quantitation Results Report (Not Reviewed)

Data File	GC06_082622015.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 5:52:34 PM
Sample Name	QC1008496, 295632, 1	Instrument	SVOA-GC06
Vial	5	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



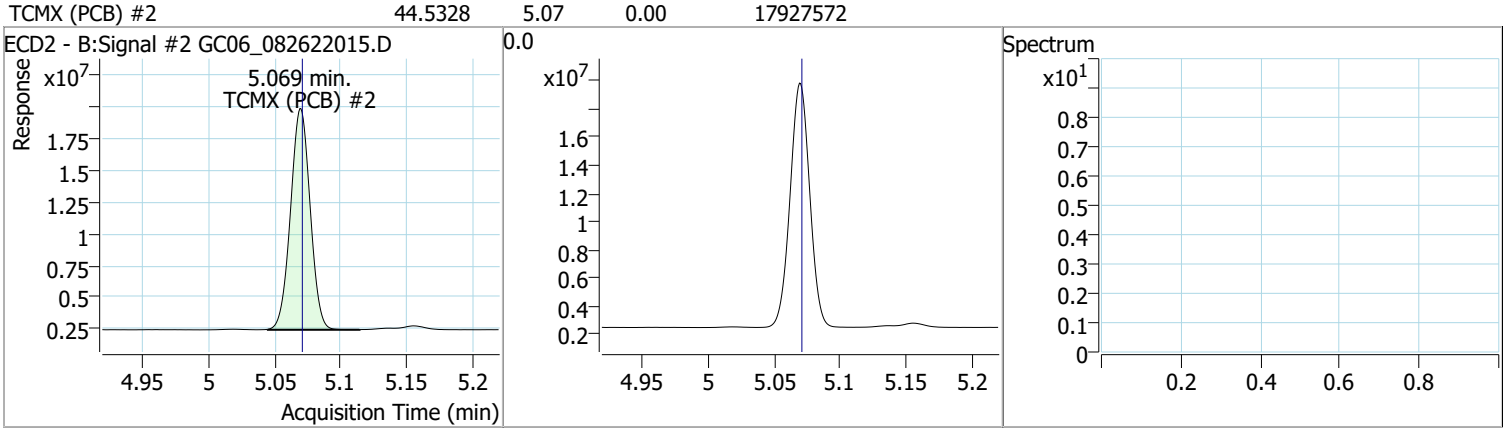


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	8789072.546	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.356	0.0	1599891.303	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB) #2	5.069	0.0	17927572.452	44.5328	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 222.66%		*	
S TCMX (PCB)	5.210	0.0	3743226.316	48.6415	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 243.21%		*	
S Decachlorobiphenyl (PCB)	12.689	0.0	5329331.341	43.8099	ng/ml		-0.017
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 219.05%		*	
S Decachlorobiphenyl (PCB) #2	13.131	0.0	24399310.285	46.0060	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 230.03%		*	
Target Compounds							QValue

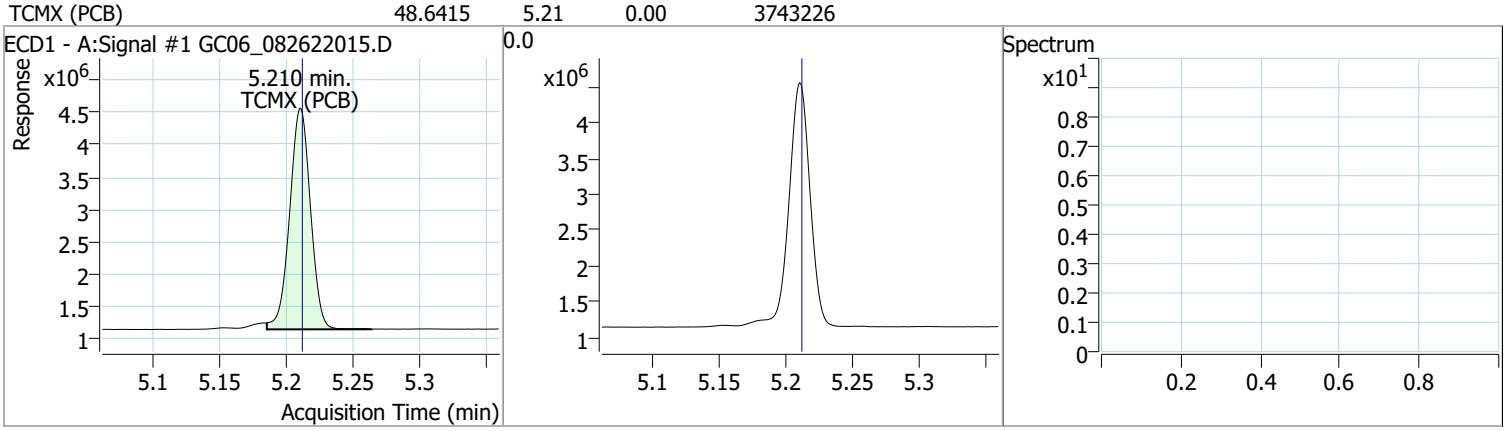
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.510	0.0	3981761.142	483.7696	ng/ml	100
T AR1016 1	5.560	0.0	950438.945	607.3189	ng/ml	100
T AR1016 2 #2	5.904	0.0	8286663.394	485.1464	ng/ml	100
T AR1016 2	5.914	0.0	1849479.153	542.7619	ng/ml	100
T AR1016 3 #2	6.391	0.0	10920221.937	484.7809	ng/ml	100
T AR1016 3	6.394	0.0	2255686.796	562.4694	ng/ml	100
T AR1016 4	6.534	0.0	1528578.074	509.3420	ng/ml	100
T AR1016 4 #2	6.542	0.0	7584949.890	496.3168	ng/ml	100
T AR1016 5	7.028	0.0	1445276.491	622.5686	ng/ml	100
T AR1016 5 #2	7.323	0.0	6916607.736	578.8820	ng/ml	100
T AR1260 1	9.072	0.0	3063010.154	608.3538	ng/ml	100
T AR1260 1 #2	9.557	0.0	15160353.573	569.9181	ng/ml	100
T AR1260 2	9.613	0.0	4553560.054	587.1813	ng/ml	100
T AR1260 2 #2	9.937	0.0	17193819.607	559.3932	ng/ml	100
T AR1260 3	10.086	0.0	4739340.839	587.8773	ng/ml	100
T AR1260 3 #2	10.475	0.0	22181533.135	531.1774	ng/ml	100
T AR1260 4	10.613	0.0	2711785.162	676.3597	ng/ml	100
T AR1260 4 #2	10.980	0.0	12927887.954	572.1163	ng/ml	100
T AR1260 5	11.343	0.0	3290066.240	620.0017	ng/ml	100
T AR1260 5 #2	11.660	0.0	19617131.469	588.8391	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

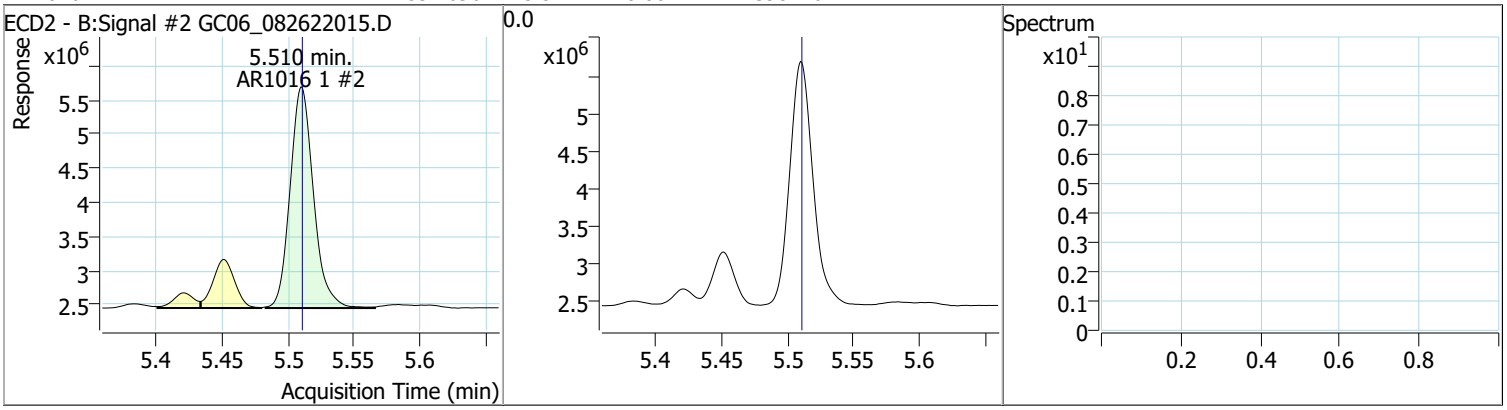
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	44.5328	5.07	0.00	17927572				



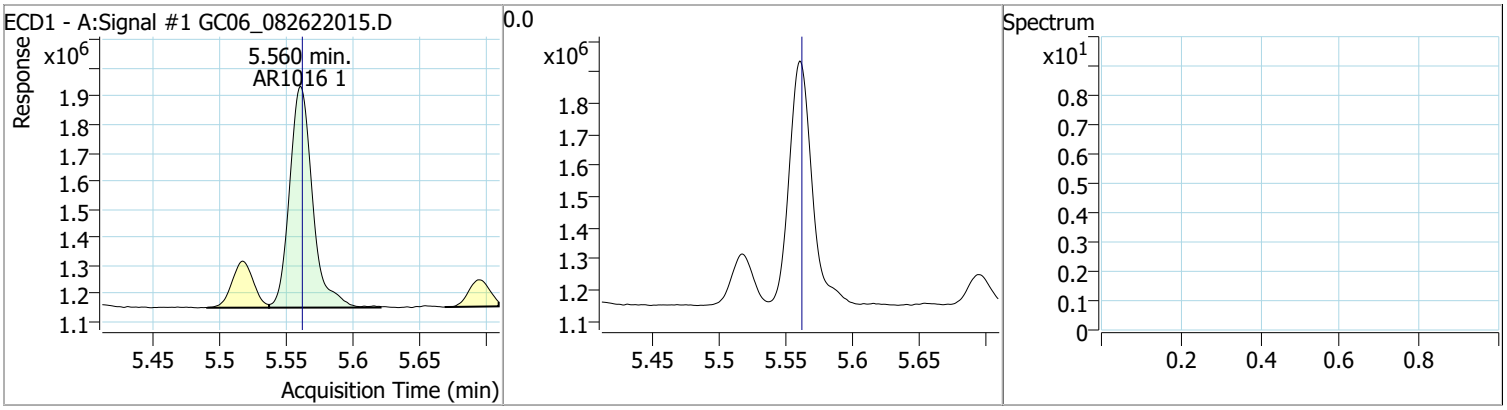
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	48.6415	5.21	0.00	3743226				



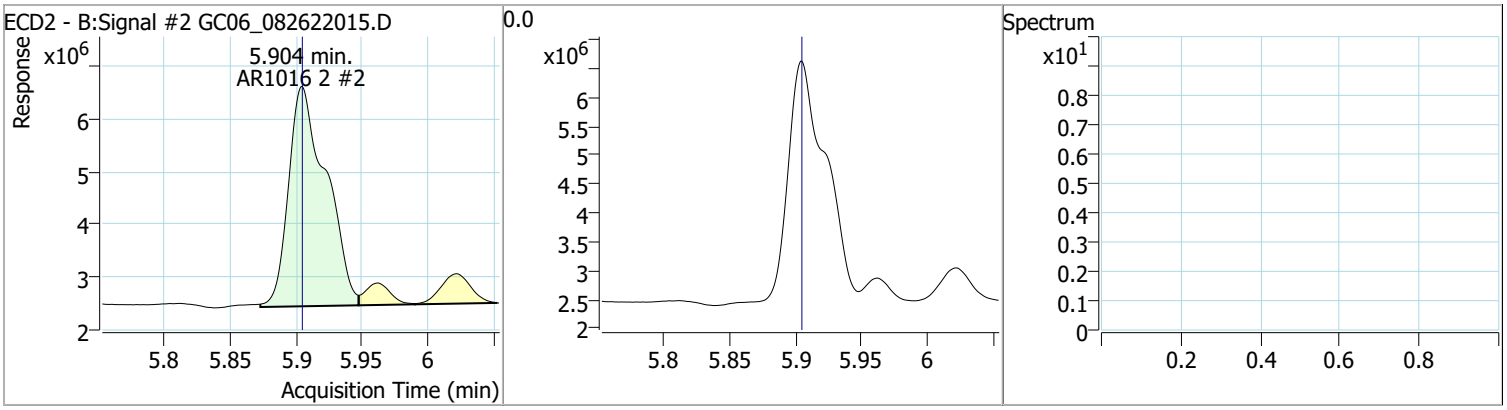
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	483.7696	5.51	0.00	3981761				



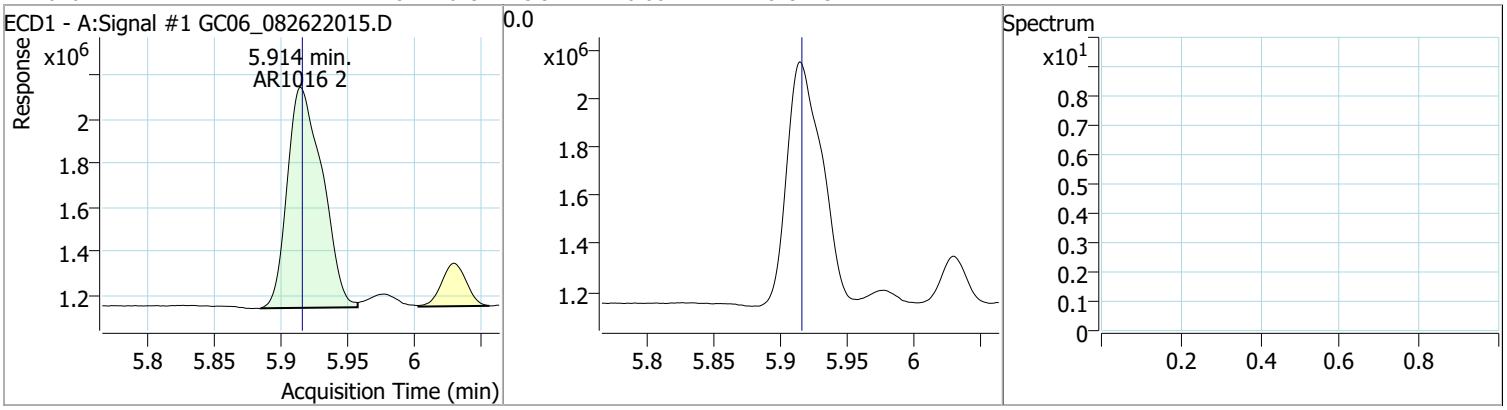
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	607.3189	5.56	0.00	950439				



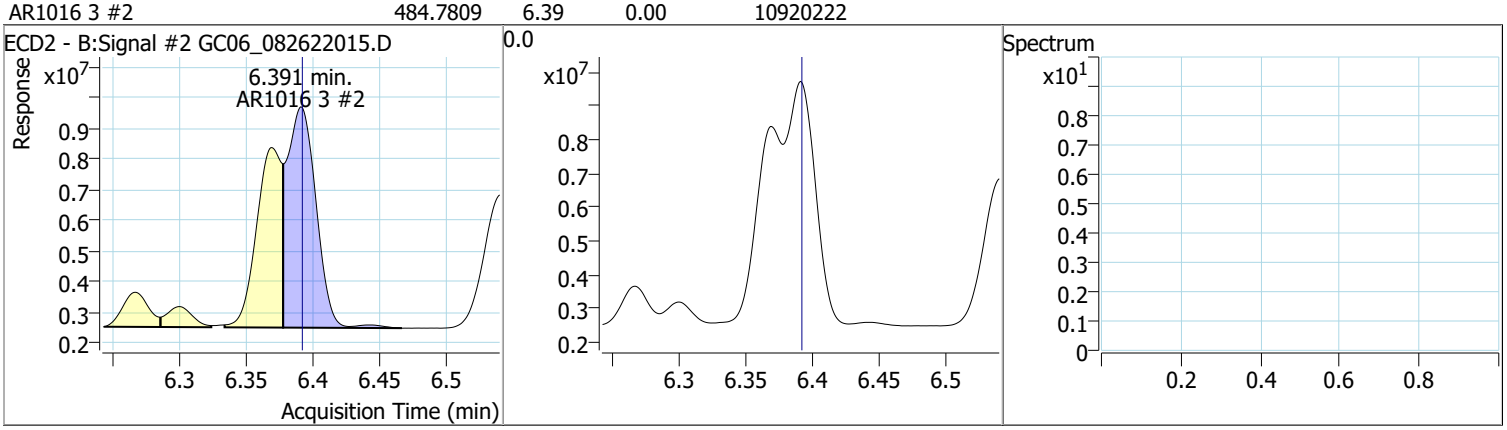
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	485.1464	5.90	0.00	8286663				



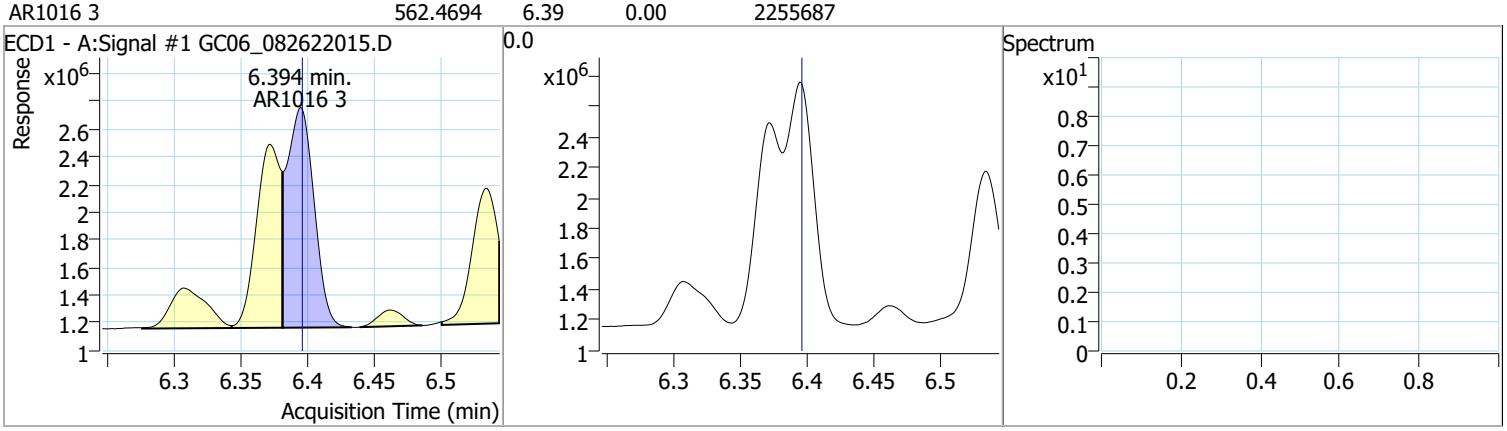
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	542.7619	5.91	0.00	1849479				



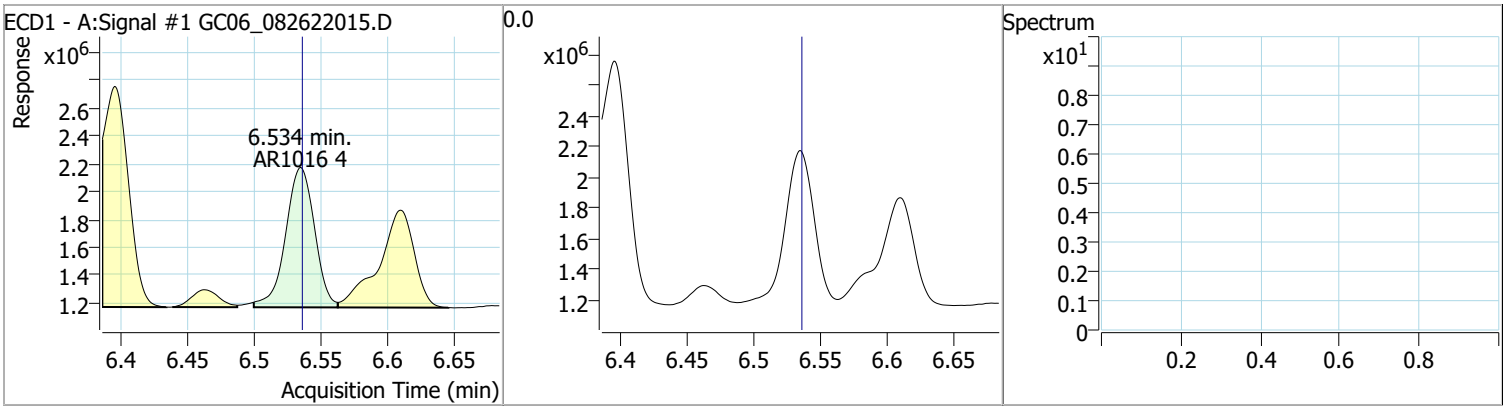
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	484.7809	6.39	0.00	10920222				



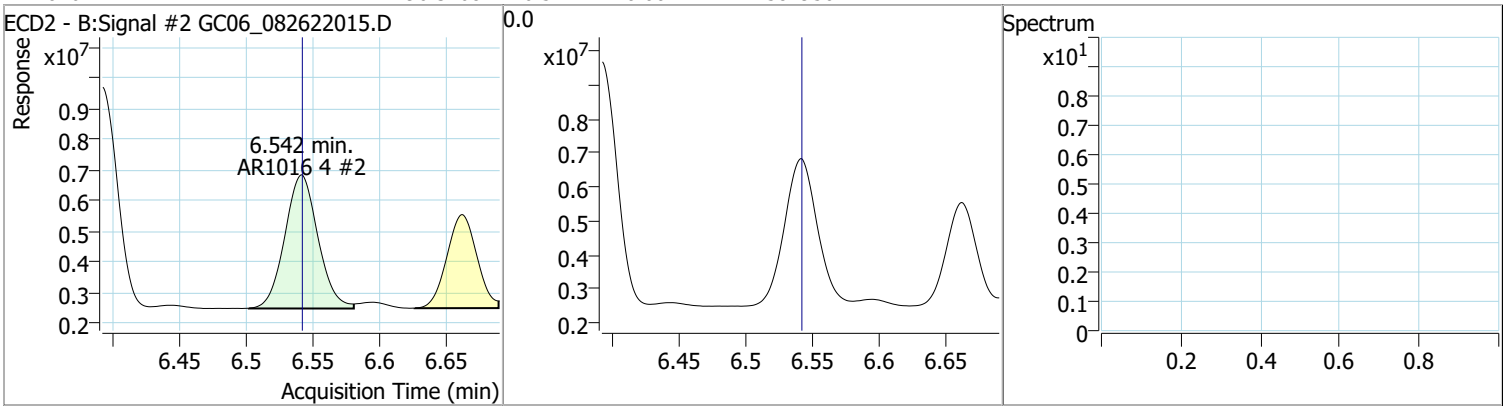
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	562.4694	6.39	0.00	2255687				



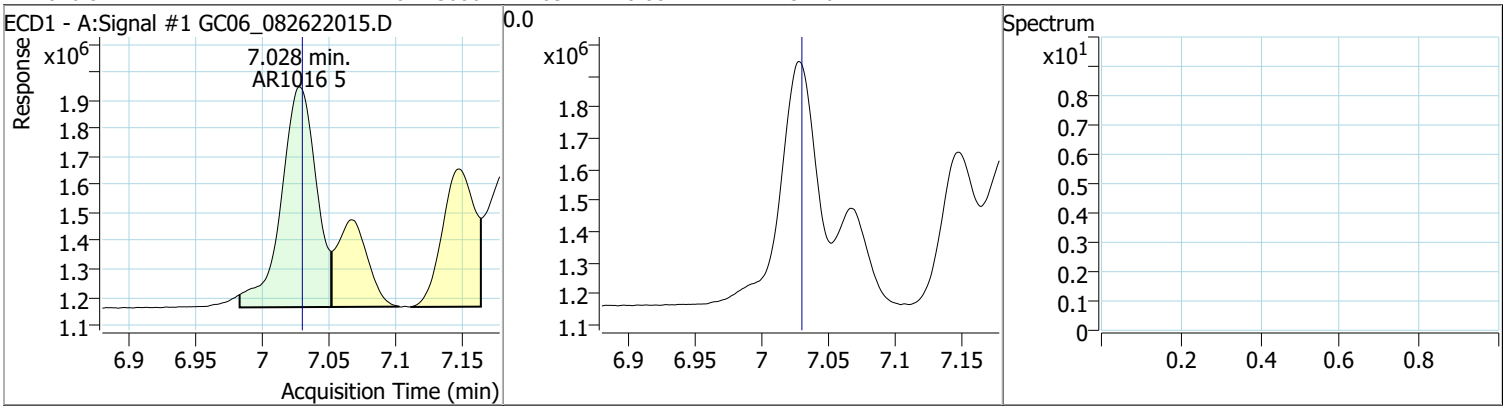
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	509.3420	6.53	0.00	1528578				



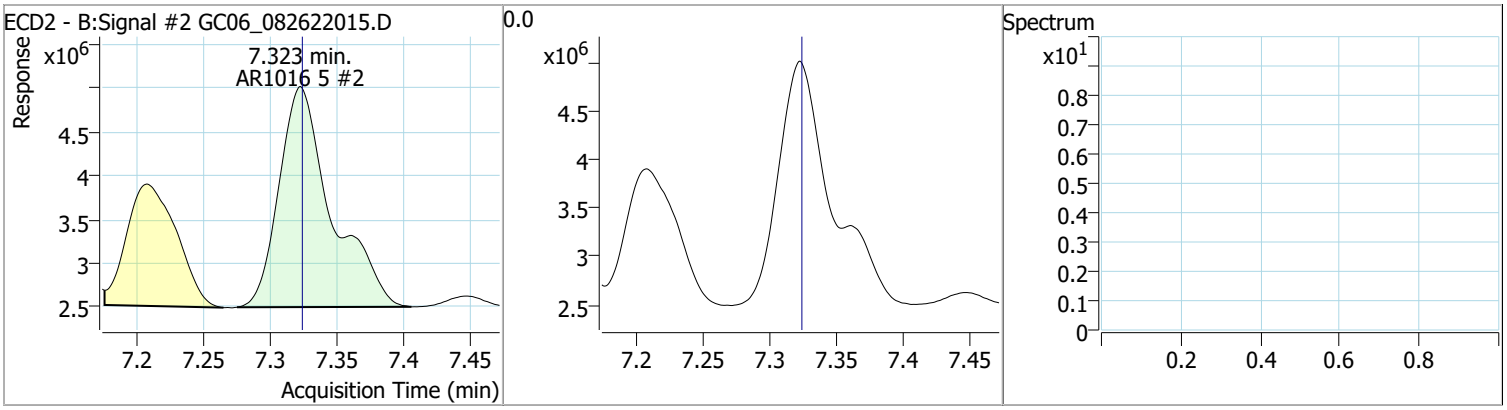
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	496.3168	6.54	0.00	7584950				



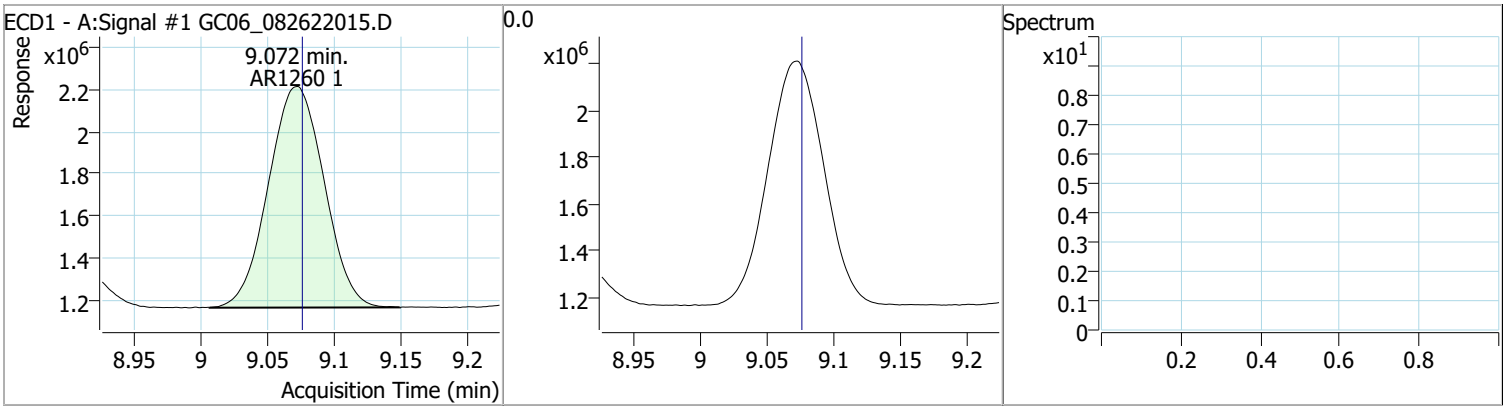
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	622.5686	7.03	0.00	1445276				



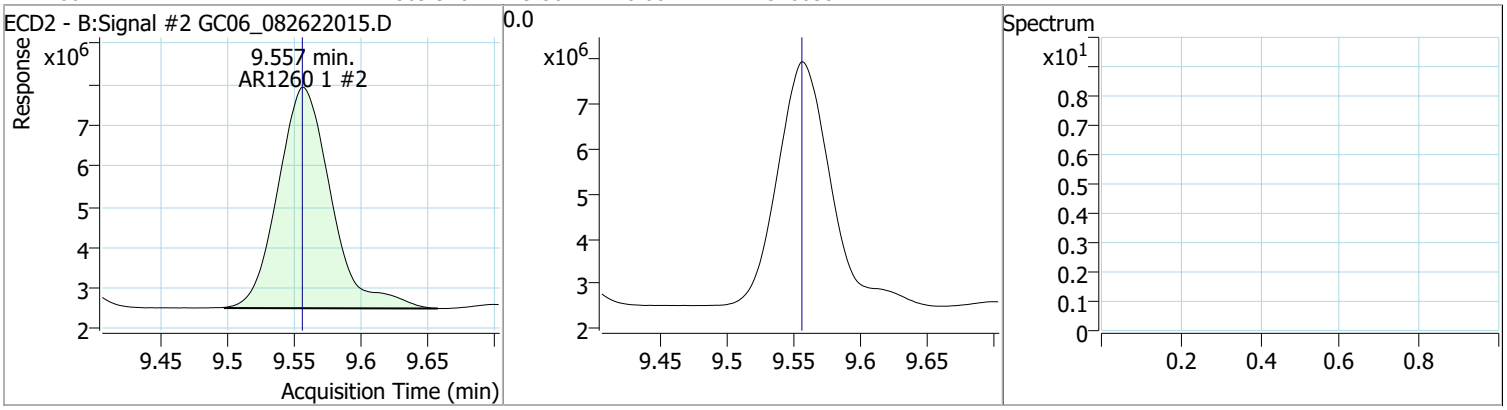
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	578.8820	7.32	0.00	6916608				



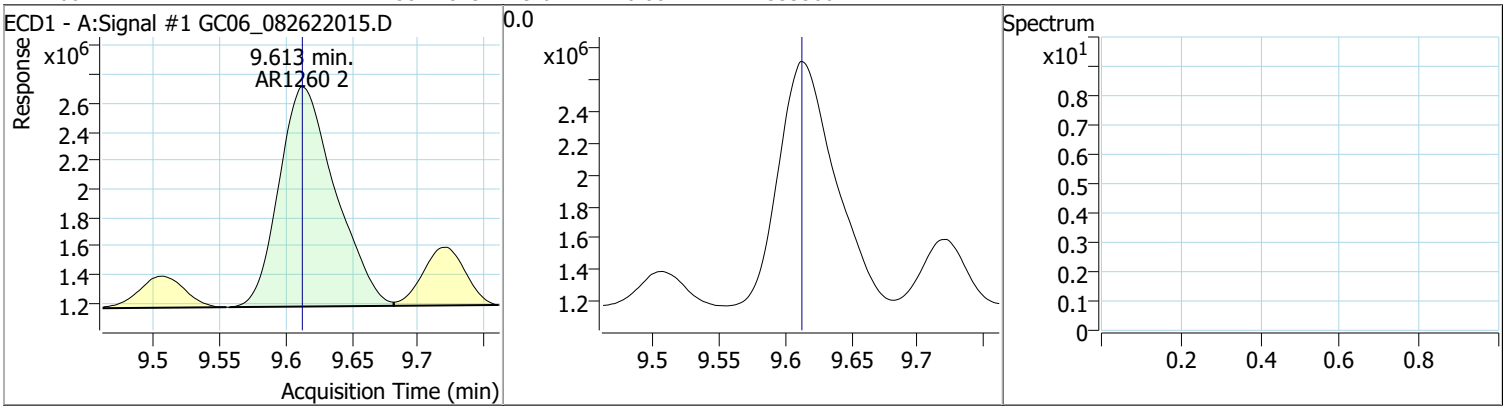
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	608.3538	9.07	0.00	3063010				



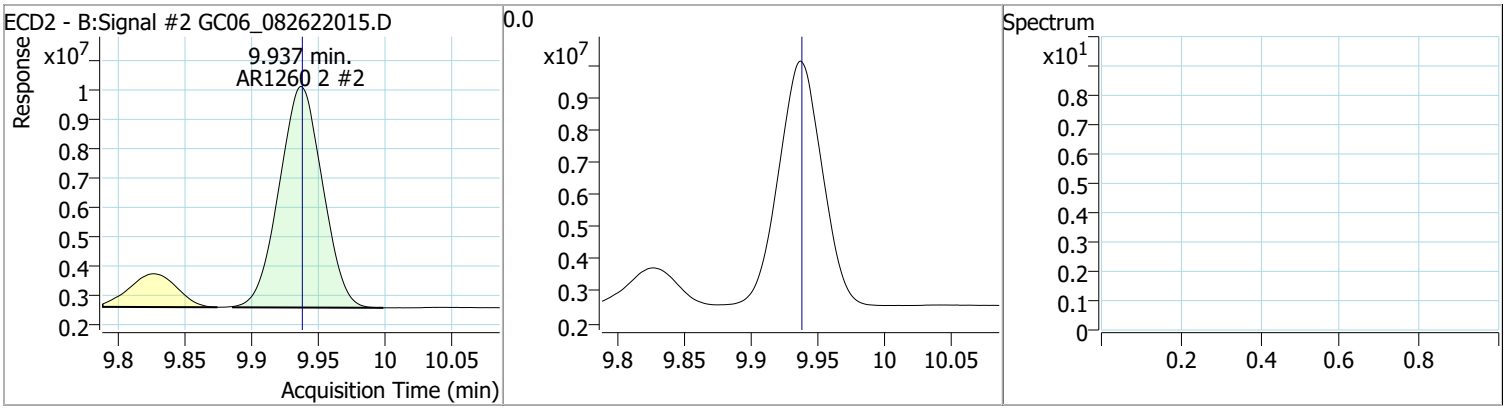
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	569.9181	9.56	0.00	15160354				



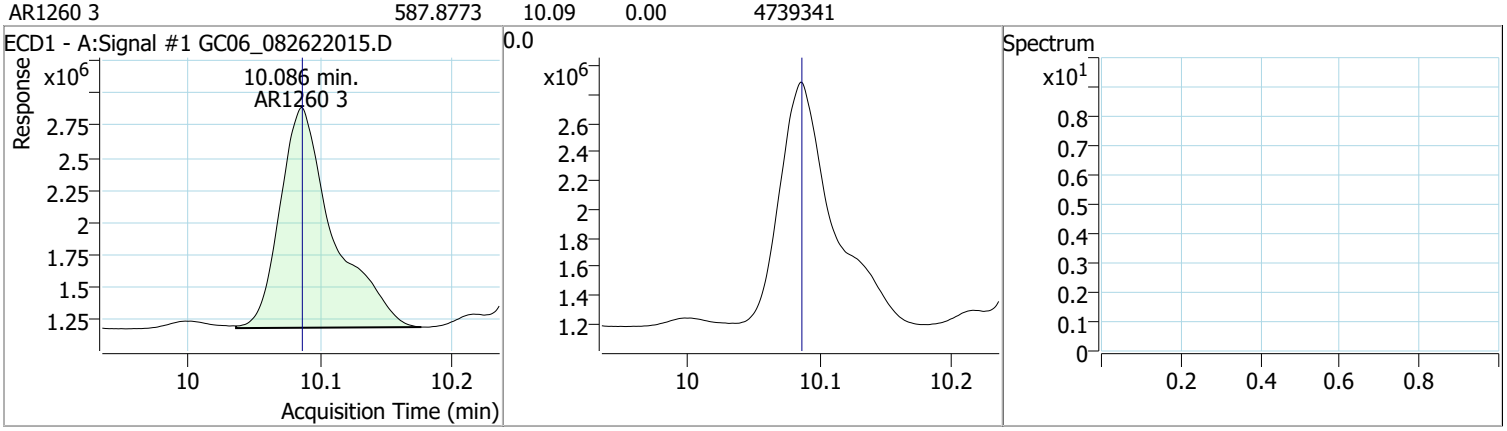
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	587.1813	9.61	0.00	4553560				



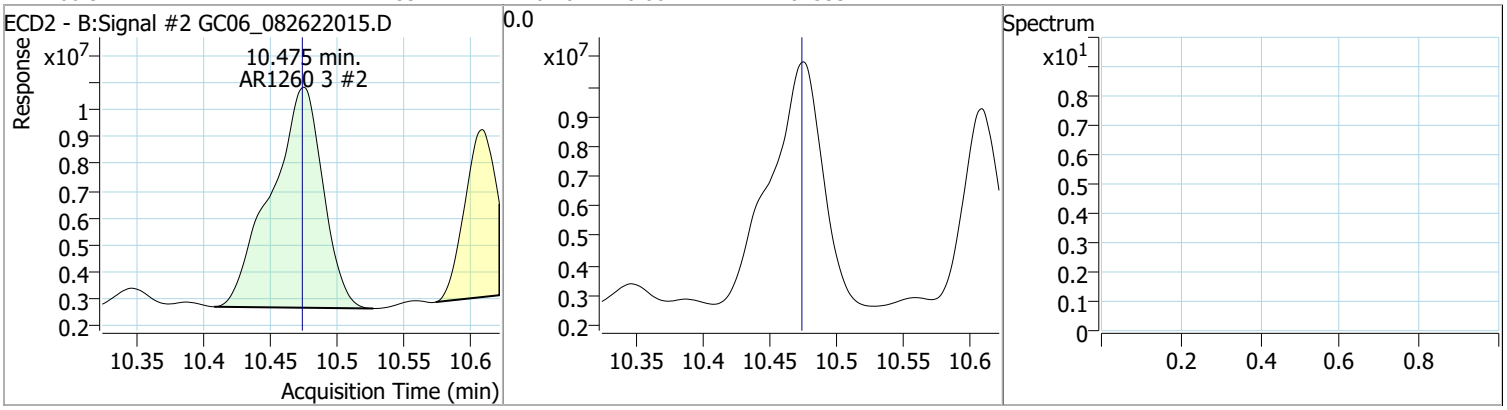
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	559.3932	9.94	0.00	17193820				



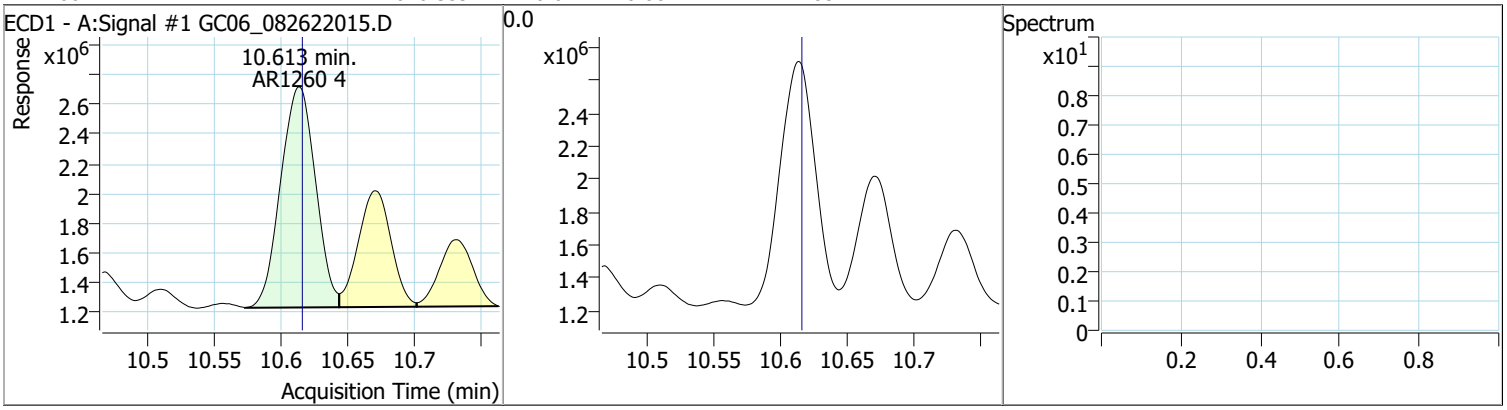
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	587.8773	10.09	0.00	4739341				



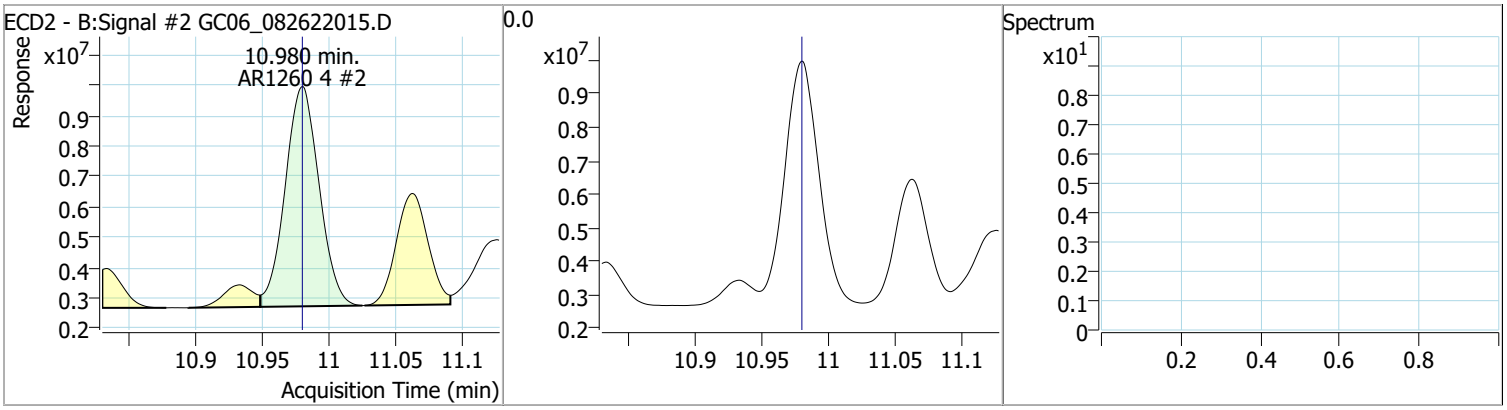
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	531.1774	10.48	0.00	22181533				



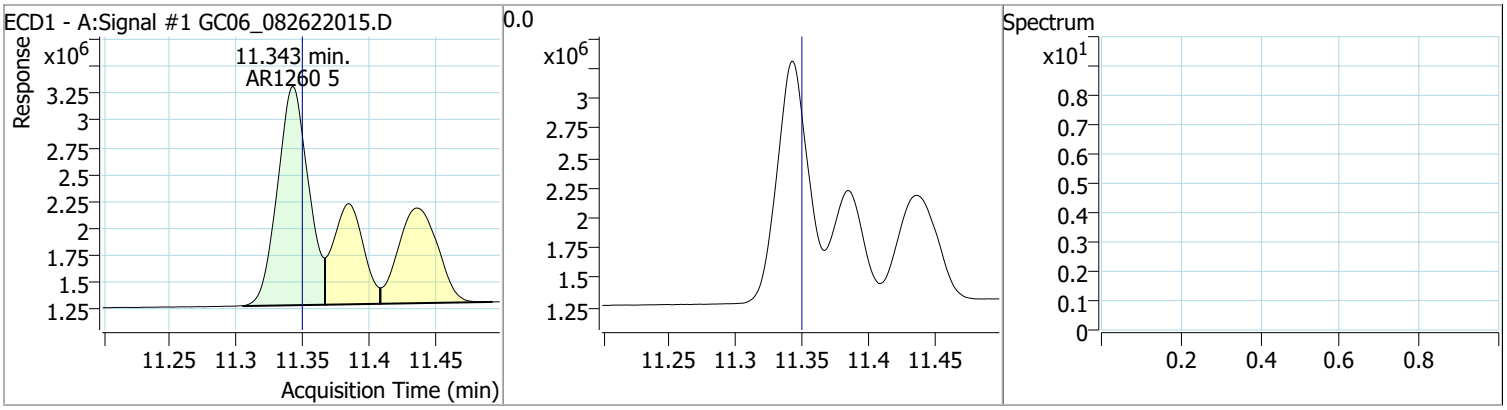
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	676.3597	10.61	0.00	2711785				



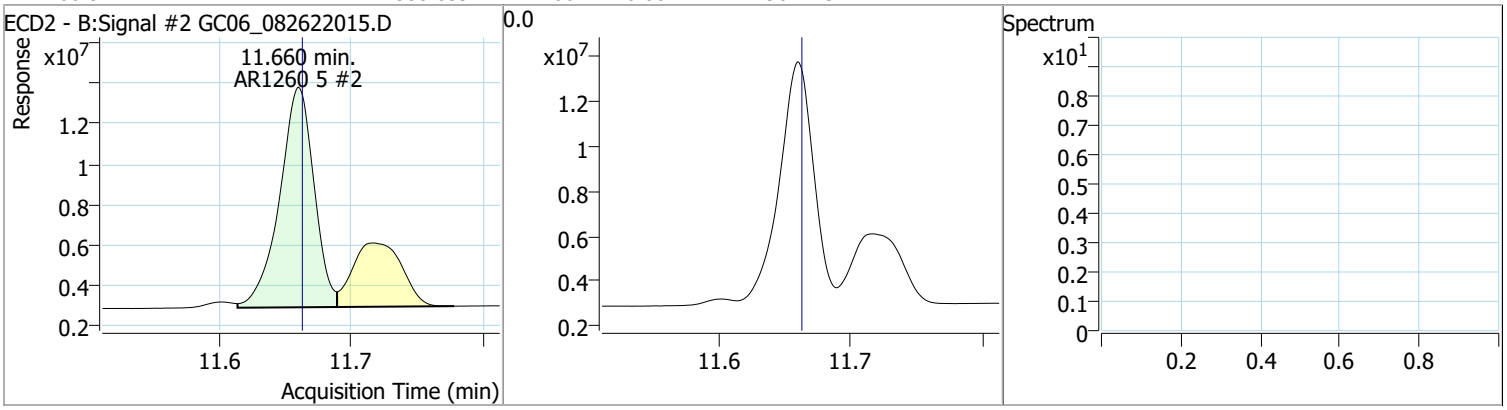
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	572.1163	10.98	0.00	12927888				



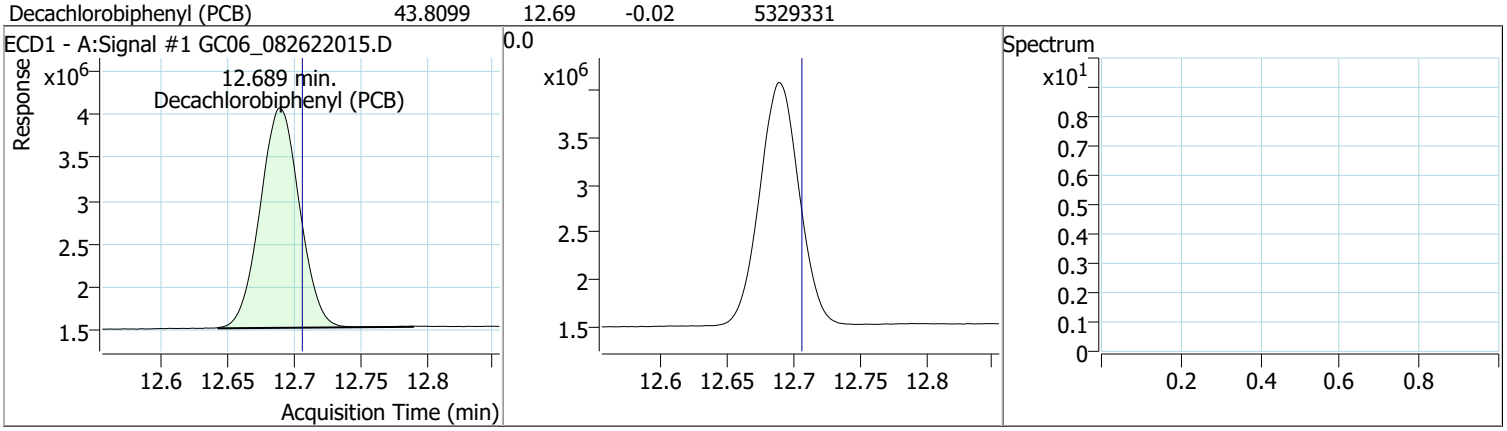
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	620.0017	11.34	-0.01	3290066				



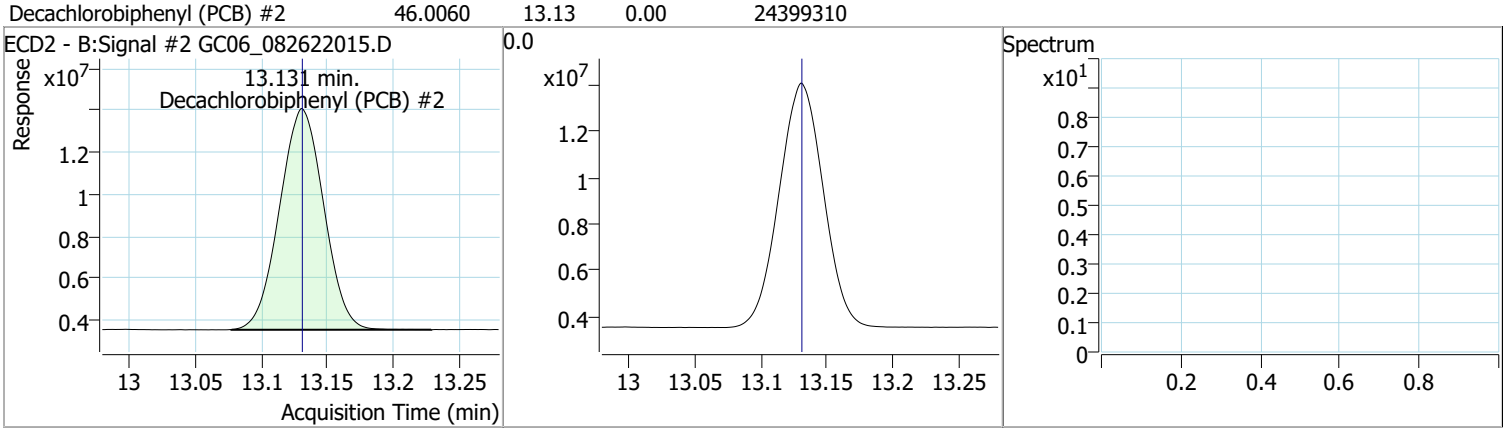
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	588.8391	11.66	0.00	19617131				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	43.8099	12.69	-0.02	5329331				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	46.0060	13.13	0.00	24399310				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 467872 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_041422015	452150634015		14-APR-2022 18:41	S16585 (100X), S16100 (250X)
L2	gc06_041422016	452150634016		14-APR-2022 18:58	S16585 (40X), S16100 (250X)
L3	gc06_041422017	452150634017		14-APR-2022 19:16	S16585 (20X), S16100 (250X)
L4	gc06_041422018	452150634018		14-APR-2022 19:33	S16585 (8X), S16100 (250X)
L5	gc06_041422019	452150634019		14-APR-2022 19:51	S16585 (4X), S16100 (250X)
L6	gc06_041422020	452150634020		14-APR-2022 20:09	S16585 (2.667X), S16100 (250X)
L7	gc06_041422021	452150634021		14-APR-2022 20:26	S16585 (2X), S16100 (250X)
L8	gc06_041422022	452150634022		14-APR-2022 20:44	S16585 (1.33X), S16100 (250X)
L9	gc06_041422023	452150634023		14-APR-2022 21:01	S16585, S16100 (250X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		51.1278		0.0196	12	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		23.4813		0.0426	17	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		19.9522		0.0501	7	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		26.6618		0.0375	10	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		34.4669		0.0290	13	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		15.8917		0.0629	17	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		10.3178		0.0969	16	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		9.92526		0.1008	11	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		19.9568		0.0501	14	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		15.0787		0.0663	10	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.65776		1.5203	11	9	.99	20	
TCMX (PCB)	A	AVRG		1.03976		0.9618	12	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		53.4063		0.0187	13	8	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		25.7342		0.0389	10	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		19.5135		0.0512	8	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		28.7624		0.0348	10	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		36.7890		0.0272	8	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		16.5241		0.0605	17	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		14.3009		0.0699	15	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		10.5262		0.0950	13	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		19.4527		0.0514	13	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		13.1942		0.0758	14	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.82881		1.2065	11	9	.99	20	
TCMX (PCB)	B	AVRG		1.09191		0.9158	4	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 467872 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0231	0.0227	0.0209	0.0201	0.0187	0.0179	0.0181	0.0177	0.0170
Aroclor-1016 Peak # 2	A	0.0579	0.0492	0.0459	0.0411	0.0401	0.0377	0.0380	0.0376	0.0358
Aroclor-1016 Peak # 3	A	0.0556	0.0544	0.0533	0.0502	0.0495	0.0465	0.0475	0.0478	0.0462
Aroclor-1016 Peak # 4	A	0.0452	0.0402	0.0403	0.0373	0.0367	0.0344	0.0348	0.0349	0.0336
Aroclor-1016 Peak # 5	A	0.0366	0.0313	0.0318	0.0288	0.0282	0.0260	0.0265	0.0266	0.0254
Aroclor-1260 Peak # 1	A	0.0863	0.0696	0.0704	0.0605	0.0604	0.0546	0.0553	0.0564	0.0528
Aroclor-1260 Peak # 2	A	0.1290	0.1076	0.1081	0.0929	0.0932	0.0843	0.0856	0.0887	0.0829
Aroclor-1260 Peak # 3	A	0.1233	0.1080	0.1086	0.0954	0.0970	0.0903	0.0930	0.0985	0.0928
Aroclor-1260 Peak # 4	A	0.0649	0.0543	0.0546	0.0479	0.0490	0.0442	0.0449	0.0473	0.0440
Aroclor-1260 Peak # 5	A	0.0797	0.0687	0.0724	0.0626	0.0650	0.0598	0.0618	0.0654	0.0615
Decachlorobiphenyl (PCB)	A	1.7379	1.5882	1.7199	1.5711	1.6300	1.3467	1.3670	1.4227	1.2993
TCMX (PCB)	A	1.2458	1.0303	0.9495	0.8937	0.9019	0.8810	0.9149	0.9235	0.9152
Aroclor-1016 Peak # 1	B		0.0232	0.0215	0.0191	0.0183	0.0172	0.0173	0.0168	0.0162
Aroclor-1016 Peak # 2	B	0.0444	0.0428	0.0426	0.0397	0.0384	0.0360	0.0363	0.0355	0.0340
Aroclor-1016 Peak # 3	B	0.0572	0.0573	0.0541	0.0510	0.0506	0.0471	0.0486	0.0480	0.0473
Aroclor-1016 Peak # 4	B	0.0420	0.0372	0.0371	0.0352	0.0341	0.0320	0.0325	0.0320	0.0309
Aroclor-1016 Peak # 5	B	0.0313	0.0295	0.0290	0.0271	0.0270	0.0252	0.0256	0.0255	0.0245
Aroclor-1260 Peak # 1	B	0.0820	0.0682	0.0674	0.0585	0.0578	0.0528	0.0531	0.0540	0.0509
Aroclor-1260 Peak # 2	B	0.0913	0.0772	0.0777	0.0683	0.0672	0.0613	0.0623	0.0639	0.0601
Aroclor-1260 Peak # 3	B	0.1205	0.1032	0.1035	0.0913	0.0919	0.0839	0.0860	0.0896	0.0852
Aroclor-1260 Peak # 4	B	0.0648	0.0555	0.0557	0.0505	0.0510	0.0461	0.0439	0.0490	0.0462
Aroclor-1260 Peak # 5	B	0.0991	0.0829	0.0833	0.0720	0.0729	0.0663	0.0670	0.0713	0.0673
Decachlorobiphenyl (PCB)	B	1.4005	1.2744	1.3672	1.2436	1.2790	1.0642	1.0803	1.1172	1.0325
TCMX (PCB)	B	1.0035	0.9180	0.8869	0.8884	0.9009	0.8817	0.9159	0.9229	0.9244

ENTHALPY INITIAL CALIBRATION FOR 467872 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	18	50.000	16	100.00	7	250.00	3	500.00	-4	749.91	-9	1000.0	-8	1503.8	-10
Aroclor-1016 Peak # 2	A	20.000	**36**	50.000	15	100.00	8	250.00	-3	500.00	-6	749.91	-11	1000.0	-11	1503.8	-12
Aroclor-1016 Peak # 3	A	20.000	11	50.000	9	100.00	6	250.00	0	500.00	-1	749.91	-7	1000.0	-5	1503.8	-5
Aroclor-1016 Peak # 4	A	20.000	**21**	50.000	7	100.00	8	250.00	-1	500.00	-2	749.91	-8	1000.0	-7	1503.8	-7
Aroclor-1016 Peak # 5	A	20.000	**26**	50.000	8	100.00	9	250.00	-1	500.00	-3	749.91	-11	1000.0	-9	1503.8	-8
Aroclor-1260 Peak # 1	A	20.000	**37**	50.000	11	100.00	12	250.00	-4	500.00	-4	749.91	-13	1000.0	-12	1503.8	-10
Aroclor-1260 Peak # 2	A	20.000	**33**	50.000	11	100.00	11	250.00	-4	500.00	-4	749.91	-13	1000.0	-12	1503.8	-8
Aroclor-1260 Peak # 3	A	20.000	**22**	50.000	7	100.00	8	250.00	-5	500.00	-4	749.91	-10	1000.0	-8	1503.8	-2
Aroclor-1260 Peak # 4	A	20.000	**29**	50.000	8	100.00	9	250.00	-4	500.00	-2	749.91	-12	1000.0	-10	1503.8	-6
Aroclor-1260 Peak # 5	A	20.000	20	50.000	4	100.00	9	250.00	-6	500.00	-2	749.91	-10	1000.0	-7	1503.8	-1
Decachlorobiphenyl (PCB)	A	0.8000	14	2.0000	4	4.0000	13	10.000	3	20.000	7	29.996	-11	40.000	-10	60.150	-6
TCMX (PCB)	A	0.8000	**30**	2.0000	7	4.0000	-1	10.000	-7	20.000	-6	29.996	-8	40.000	-5	60.150	-4
Aroclor-1016 Peak # 1	B			50.000	**24**	100.00	15	250.00	2	500.00	-2	749.91	-8	1000.0	-8	1503.8	-10
Aroclor-1016 Peak # 2	B	20.000	14	50.000	10	100.00	10	250.00	2	500.00	-1	749.91	-7	1000.0	-7	1503.8	-9
Aroclor-1016 Peak # 3	B	20.000	12	50.000	12	100.00	6	250.00	0	500.00	-1	749.91	-8	1000.0	-5	1503.8	-6
Aroclor-1016 Peak # 4	B	20.000	**21**	50.000	7	100.00	7	250.00	1	500.00	-2	749.91	-8	1000.0	-6	1503.8	-8
Aroclor-1016 Peak # 5	B	20.000	15	50.000	8	100.00	7	250.00	0	500.00	-1	749.91	-7	1000.0	-6	1503.8	-6
Aroclor-1260 Peak # 1	B	20.000	**35**	50.000	13	100.00	11	250.00	-3	500.00	-4	749.91	-13	1000.0	-12	1503.8	-11
Aroclor-1260 Peak # 2	B	20.000	**31**	50.000	10	100.00	11	250.00	-2	500.00	-4	749.91	-12	1000.0	-11	1503.8	-9
Aroclor-1260 Peak # 3	B	20.000	**27**	50.000	9	100.00	9	250.00	-4	500.00	-3	749.91	-12	1000.0	-10	1503.8	-6
Aroclor-1260 Peak # 4	B	20.000	**26**	50.000	8	100.00	8	250.00	-2	500.00	-1	749.91	-10	1000.0	-15	1503.8	-5
Aroclor-1260 Peak # 5	B	20.000	**31**	50.000	9	100.00	10	250.00	-5	500.00	-4	749.91	-13	1000.0	-12	1503.8	-6
Decachlorobiphenyl (PCB)	B	0.8000	16	2.0000	6	4.0000	13	10.000	3	20.000	6	29.996	-12	40.000	-10	60.150	-7
TCMX (PCB)	B	0.8000	10	2.0000	0	4.0000	-3	10.000	-3	20.000	-2	29.996	-4	40.000	0	60.150	1

ENTHALPY INITIAL CALIBRATION FOR 467872 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-13
Aroclor-1016 Peak # 2	A	2000.0	-16
Aroclor-1016 Peak # 3	A	2000.0	-8
Aroclor-1016 Peak # 4	A	2000.0	-10
Aroclor-1016 Peak # 5	A	2000.0	-12
Aroclor-1260 Peak # 1	A	2000.0	-16
Aroclor-1260 Peak # 2	A	2000.0	-14
Aroclor-1260 Peak # 3	A	2000.0	-8
Aroclor-1260 Peak # 4	A	2000.0	-12
Aroclor-1260 Peak # 5	A	2000.0	-7
Decachlorobiphenyl (PCB)	A	80.000	-15
TCMX (PCB)	A	80.000	-5
Aroclor-1016 Peak # 1	B	2000.0	-14
Aroclor-1016 Peak # 2	B	2000.0	-12
Aroclor-1016 Peak # 3	B	2000.0	-8
Aroclor-1016 Peak # 4	B	2000.0	-11
Aroclor-1016 Peak # 5	B	2000.0	-10
Aroclor-1260 Peak # 1	B	2000.0	-16
Aroclor-1260 Peak # 2	B	2000.0	-14
Aroclor-1260 Peak # 3	B	2000.0	-10
Aroclor-1260 Peak # 4	B	2000.0	-10
Aroclor-1260 Peak # 5	B	2000.0	-11
Decachlorobiphenyl (PCB)	B	80.000	-14
TCMX (PCB)	B	80.000	1

TJW 04/15/22 : Manually integrated due to baseline corrections for all channels in multiple levels

Analyst: TJW 04/15/22

Reviewer: LW 04/15/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 467872 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_041422_1
Calnum:	452150634002	Cal Date:	14-APR-2022

- ICV 452150634025 (gc06_041422025 14-APR-2022) stds: S16736

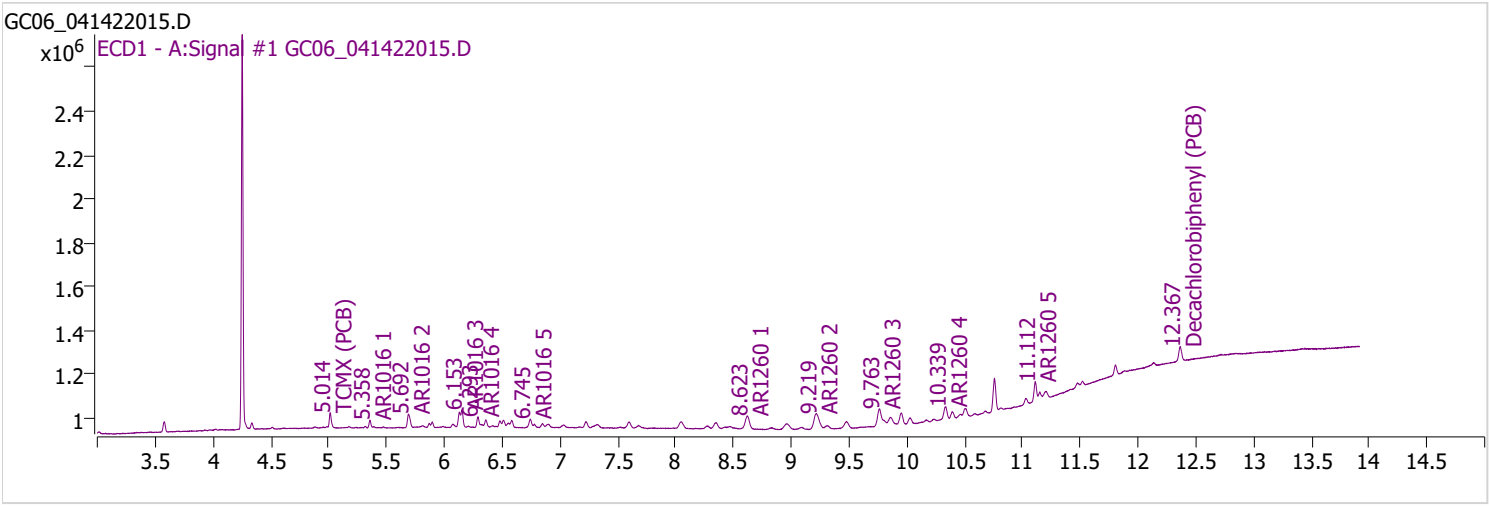
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	470.1	ug/L	-6	15	
Aroclor-1260	A	500.0	484.1	ug/L	-3	15	
Aroclor-1016	B	500.0	481.4	ug/L	-4	15	
Aroclor-1260	B	500.0	486.3	ug/L	-3	15	

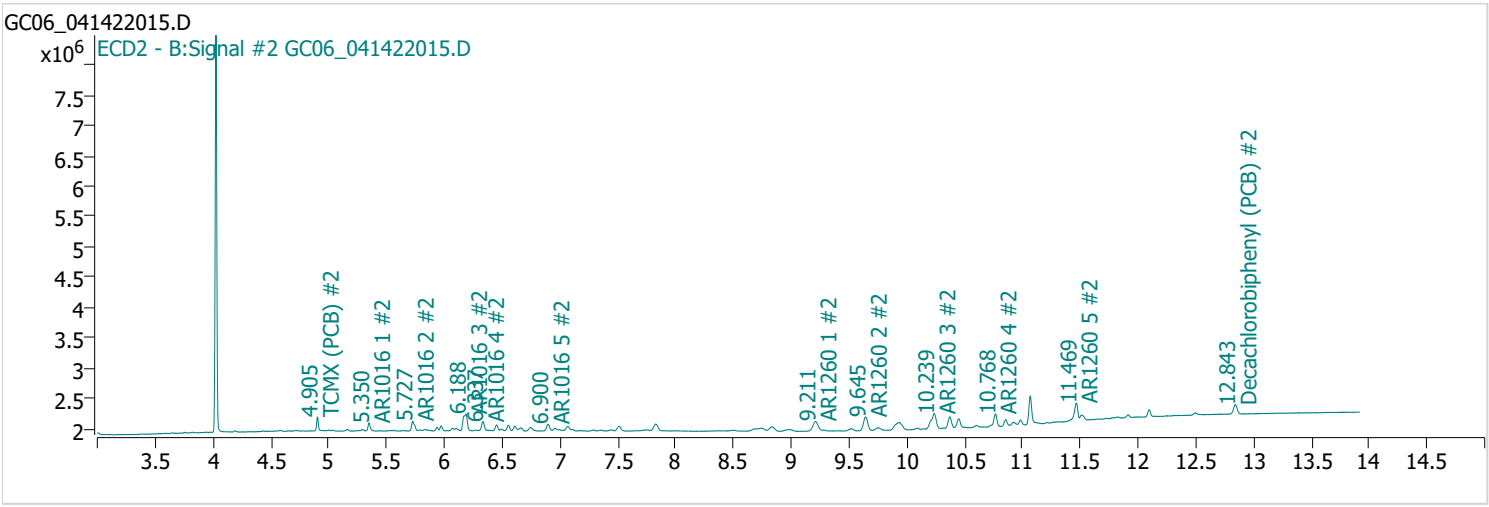
-

Analyst: TJW 04/15/22 **Reviewer:** LW 04/15/22

Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422015.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 6:41:09 PM
Sample Name	ICAL, S16585, 100	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 111	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



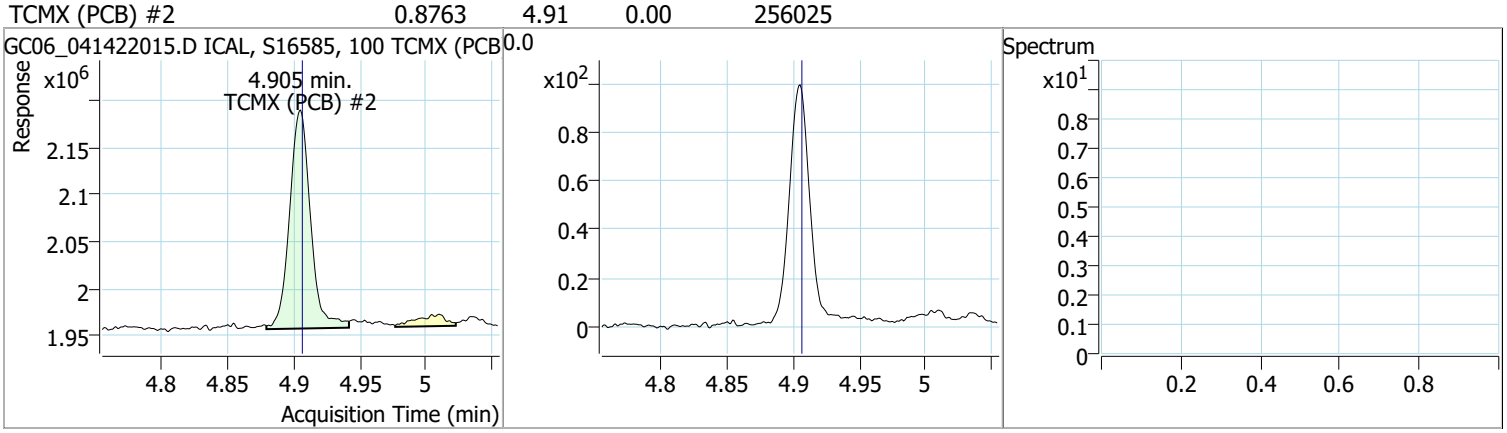


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.253	4.027	1793951	6378384	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.014	4.905	89398	256025	1.036	0.876	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	5.18% *	4.38% *	
S Decachlorobiphenyl (PCB)	12.367	12.843	124710	357322	0.914	0.928	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	4.57% *	4.64% *	
Target Compounds							
T AR1016 1	5.358	5.350	41404	194235	23.595	32.518 #	ng/ml
T AR1016 2	5.692	5.727	103843	283357	27.178	22.859	ng/ml
T AR1016 3	6.153	6.188	99825	364940 m	22.199	22.324	ng/ml
T AR1016 4	6.293	6.337	81145	267822	24.114	24.148	ng/ml
T AR1016 5	6.745	6.900	65739	199594	25.254	23.018	ng/ml
T AR1260 1	8.623	9.211	154821	522967	27.423	27.090	ng/ml
T AR1260 2	9.219	9.645	231396	582072	26.611	26.095	ng/ml
T AR1260 3	9.763	10.239	221143	768352	24.464	25.354	ng/ml
T AR1260 4	10.339	10.768	116367	413484	25.884	25.214	ng/ml

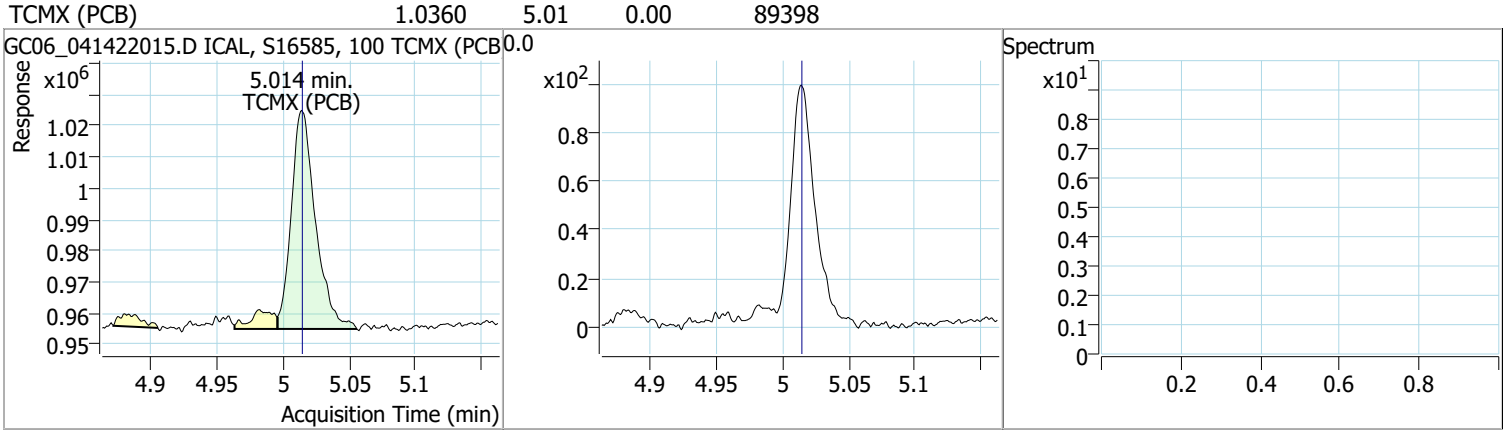
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.469	142909	632191	24.017	26.148	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

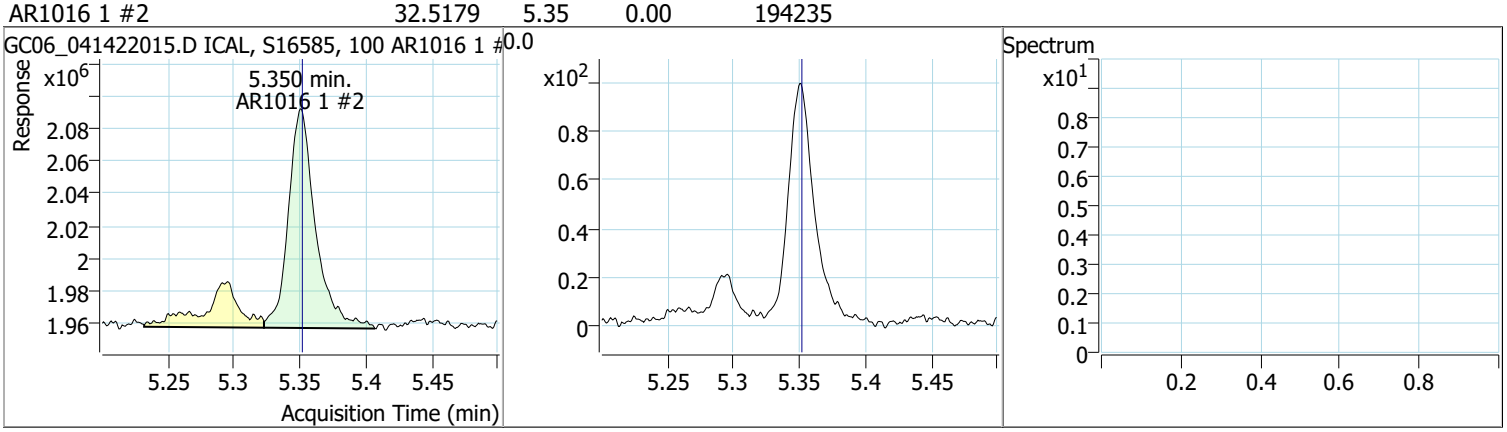
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	0.8763	4.91	0.00	256025			



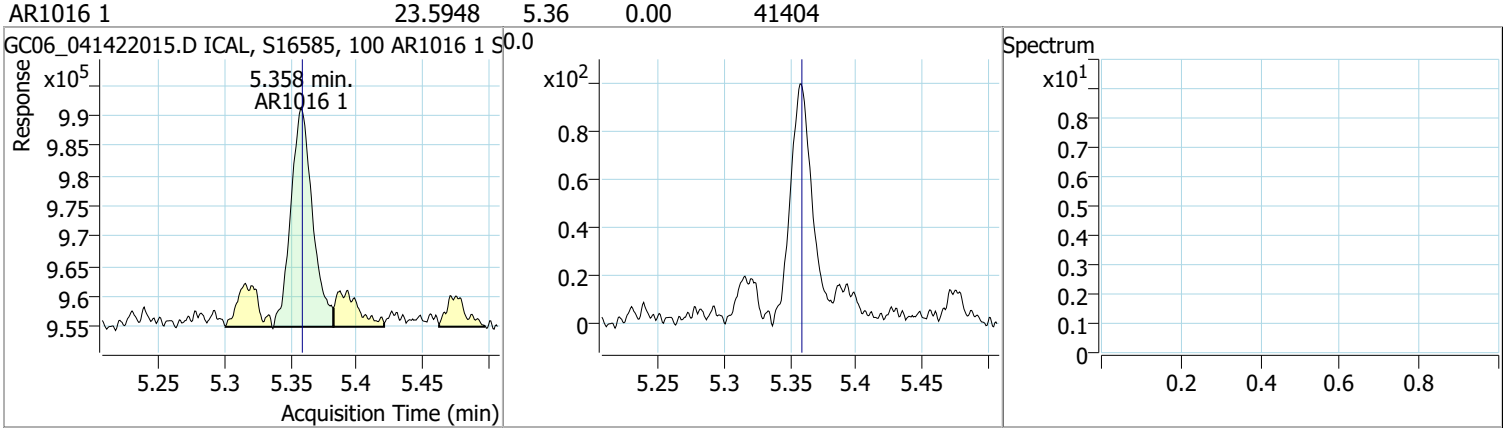
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	1.0360	5.01	0.00	89398			



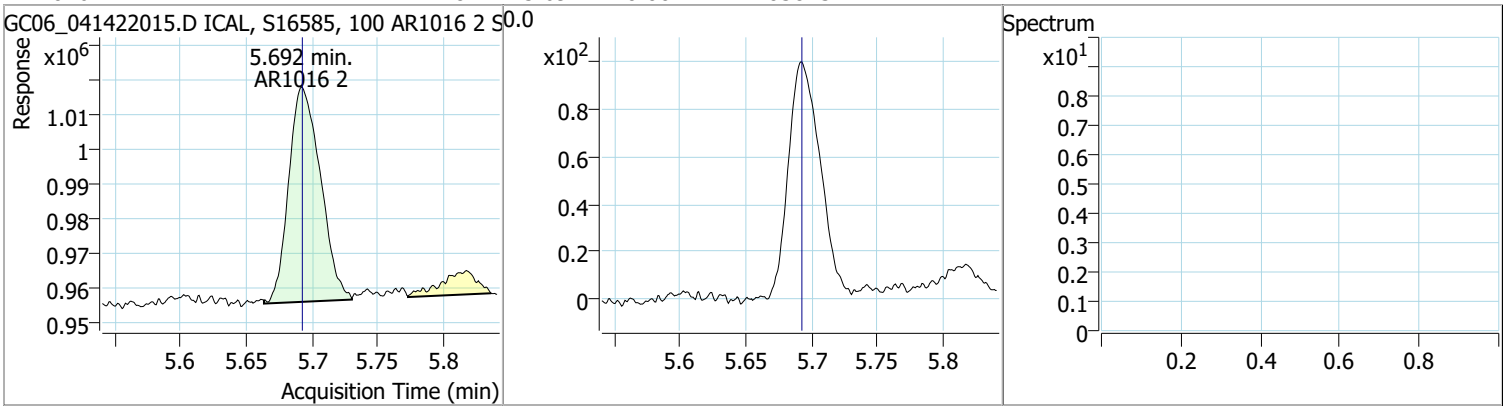
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	32.5179	5.35	0.00	194235			



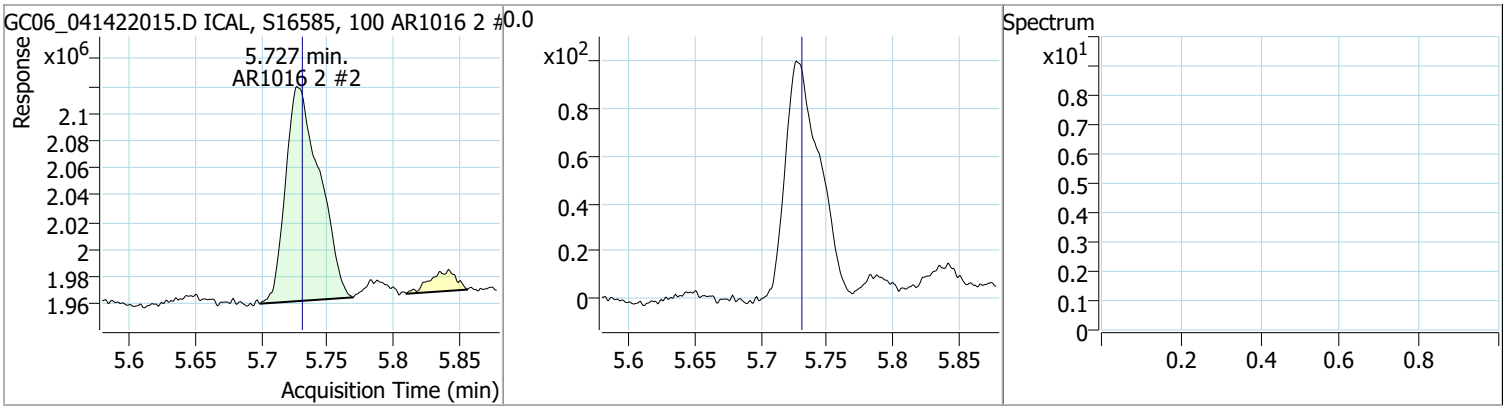
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	23.5948	5.36	0.00	41404			



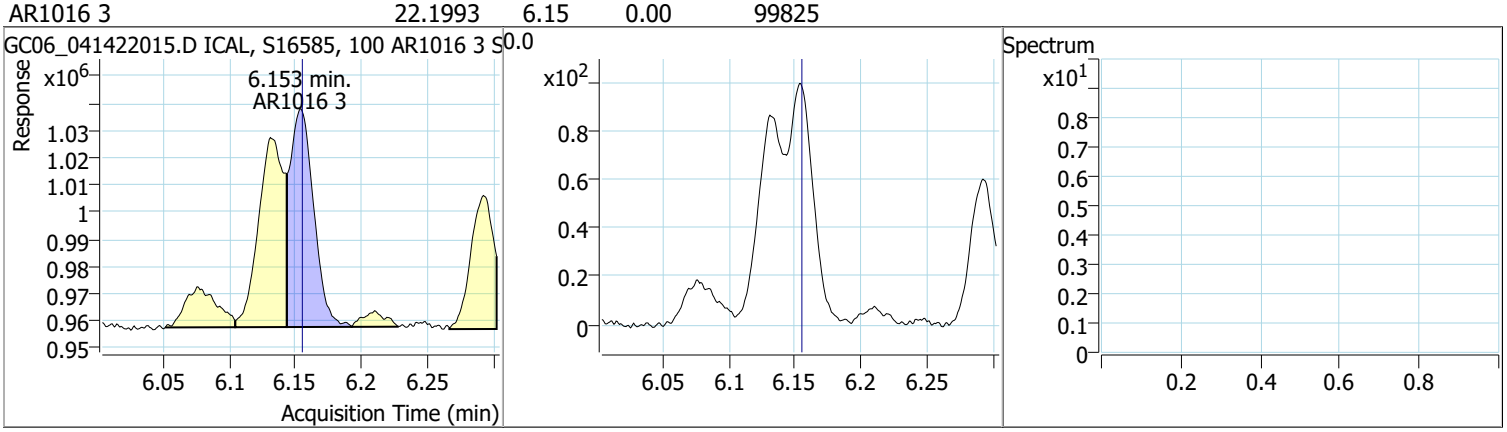
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	27.1781	5.69	0.00	103843			



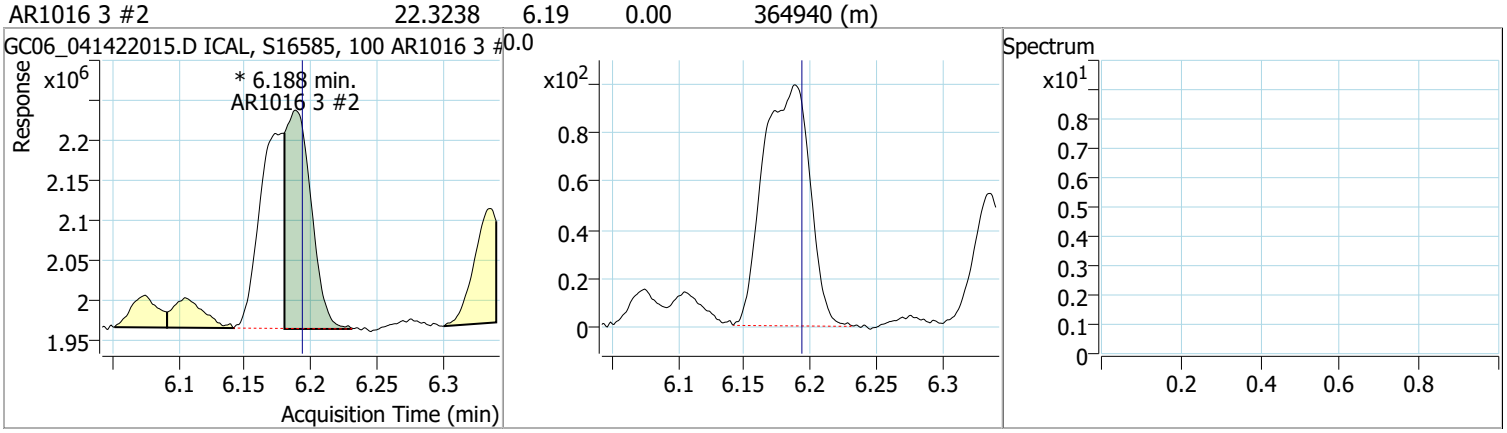
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	22.8591	5.73	0.00	283357			



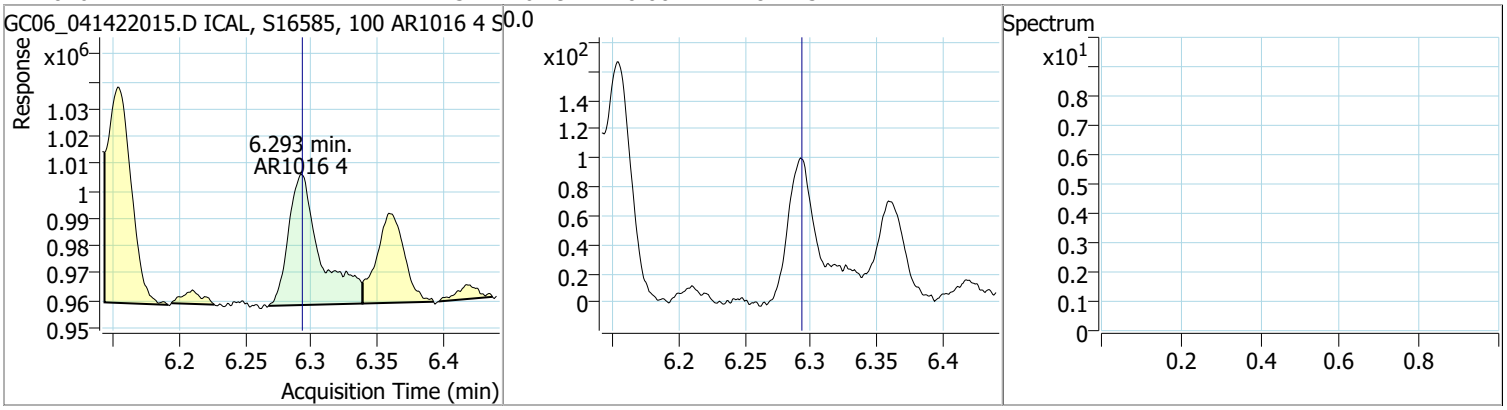
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	22.1993	6.15	0.00	99825			



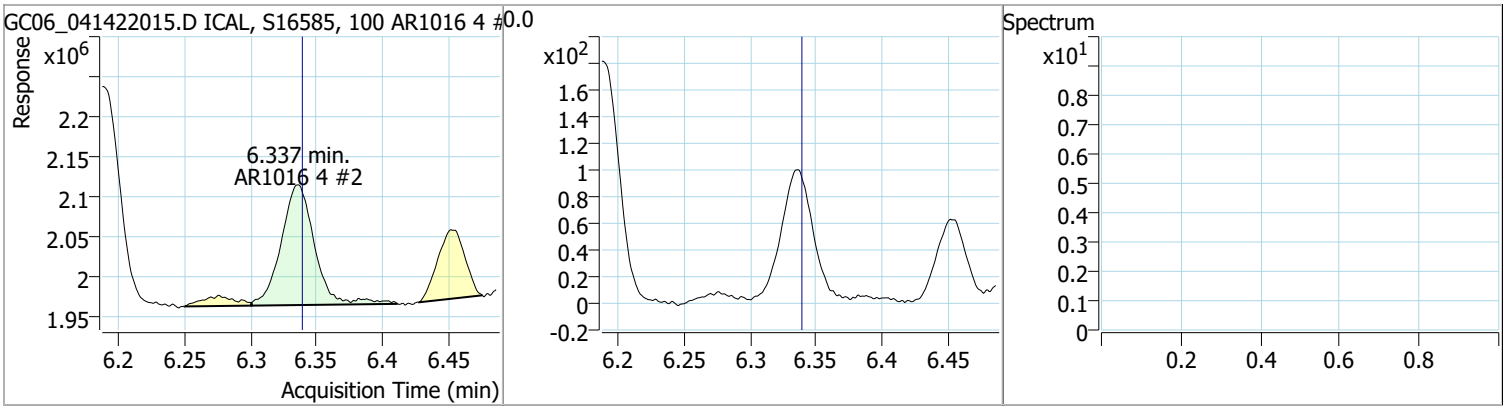
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	22.3238	6.19	0.00	364940 (m)			



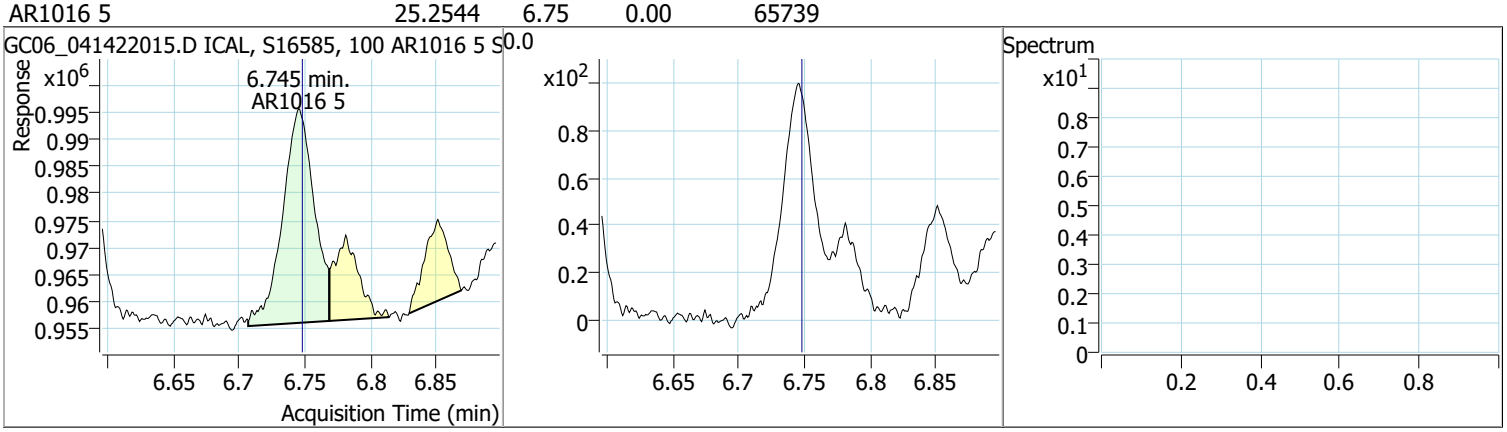
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	24.1137	6.29	0.00	81145			



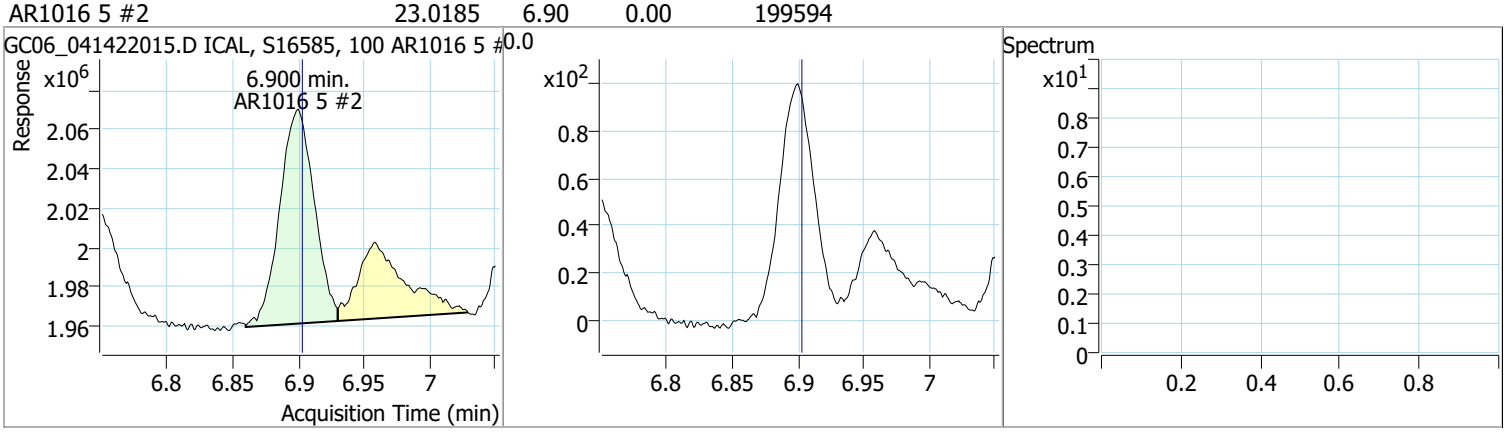
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	24.1482	6.34	0.00	267822			



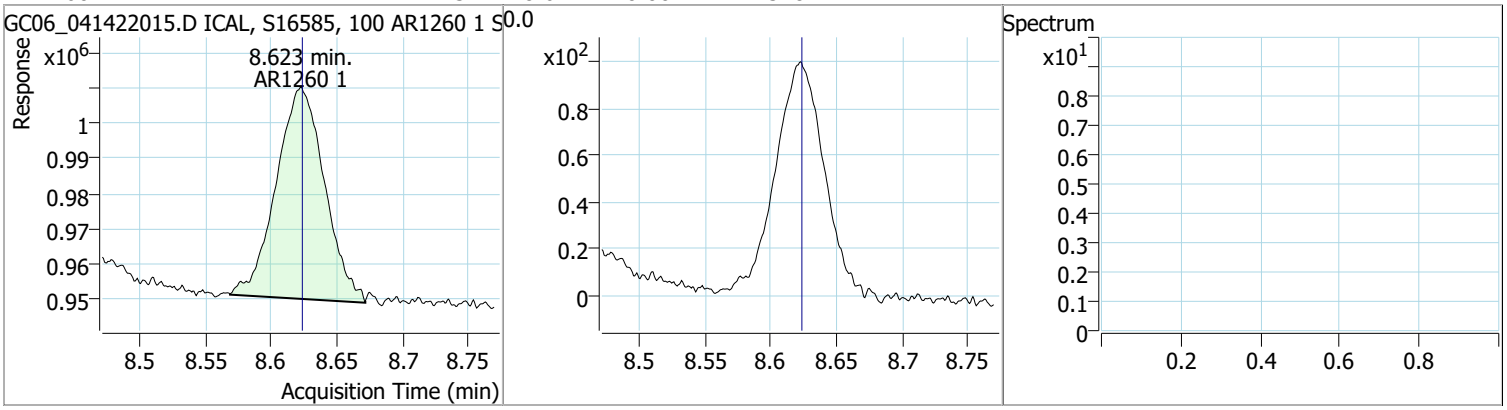
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	25.2544	6.75	0.00	65739			



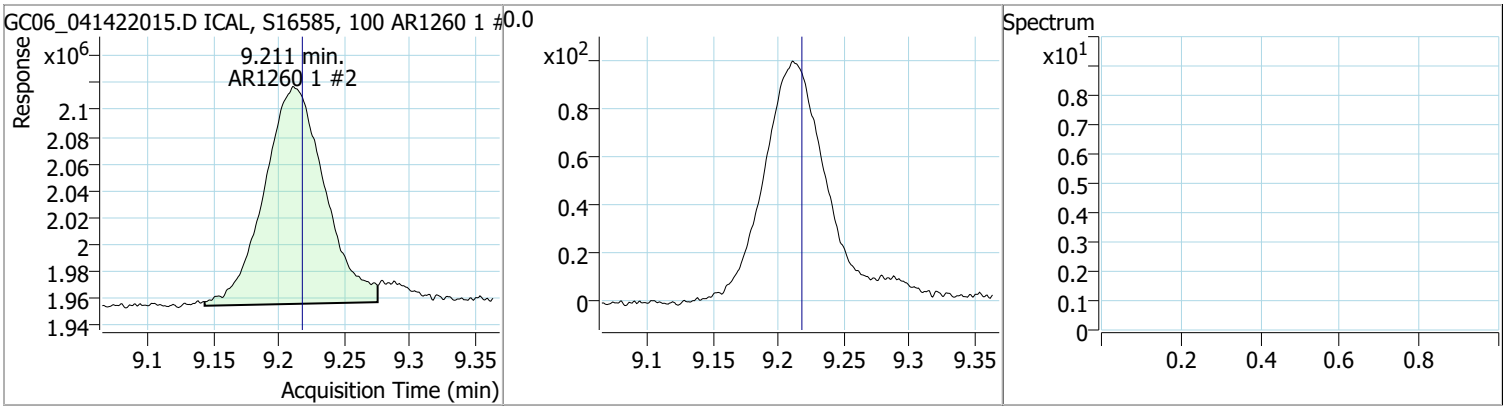
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	23.0185	6.90	0.00	199594			



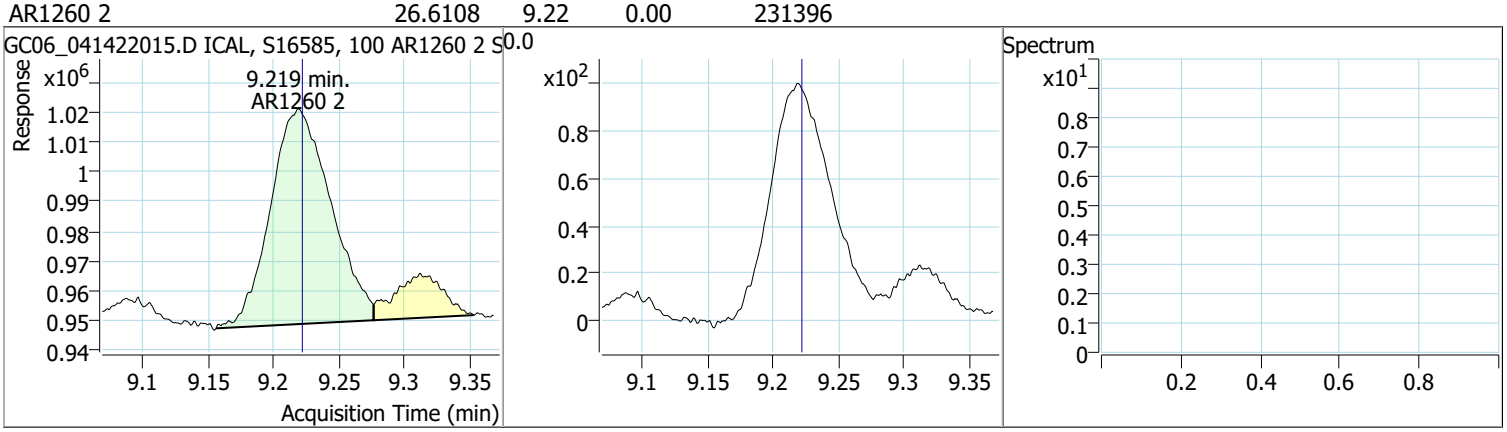
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	27.4232	8.62	0.00	154821			



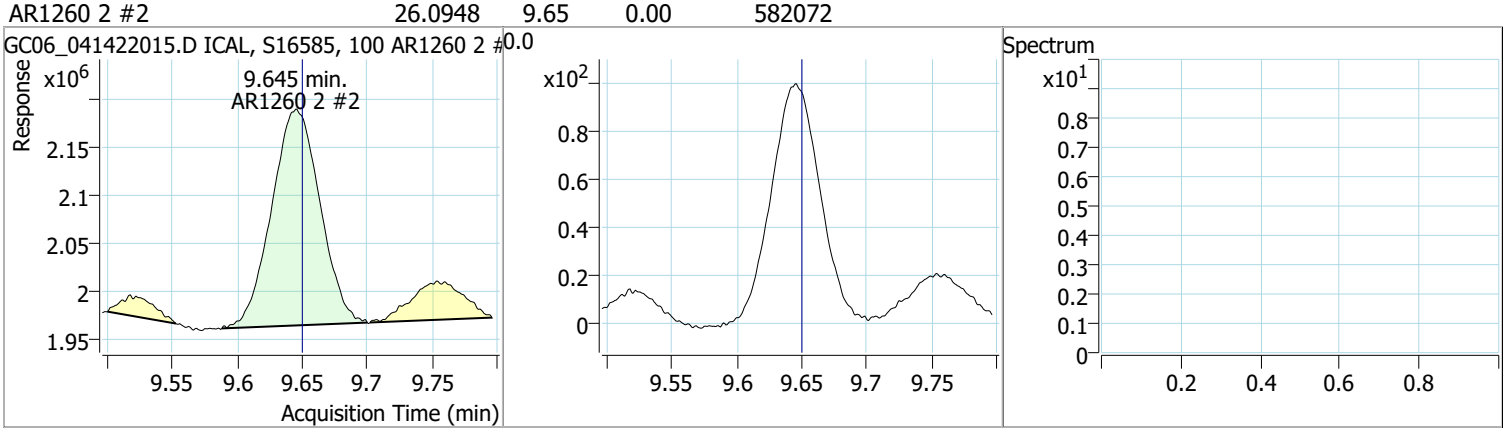
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	27.0901	9.21	0.00	522967			



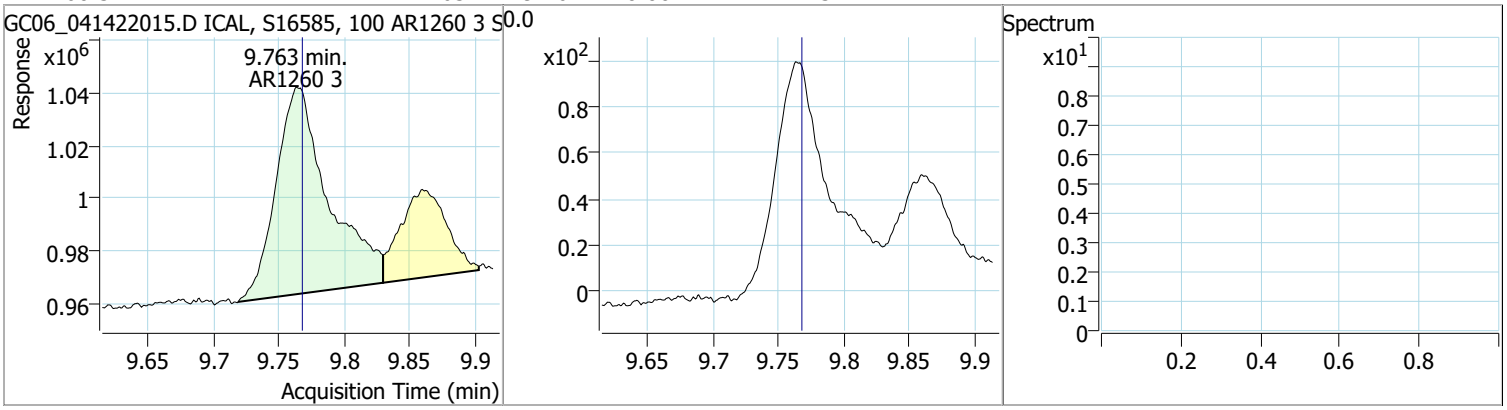
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	26.6108	9.22	0.00	231396			



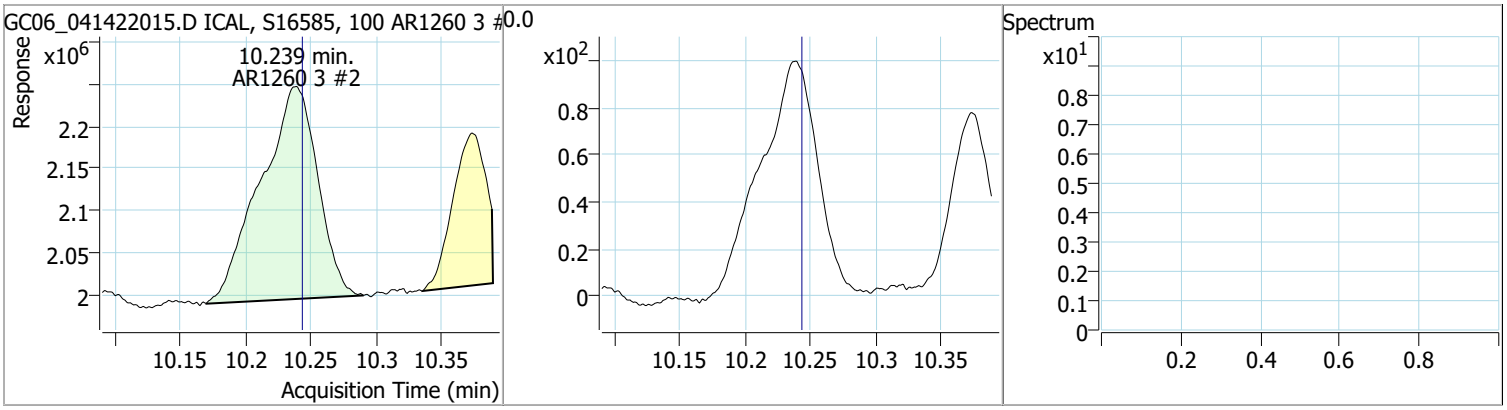
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	26.0948	9.65	0.00	582072			



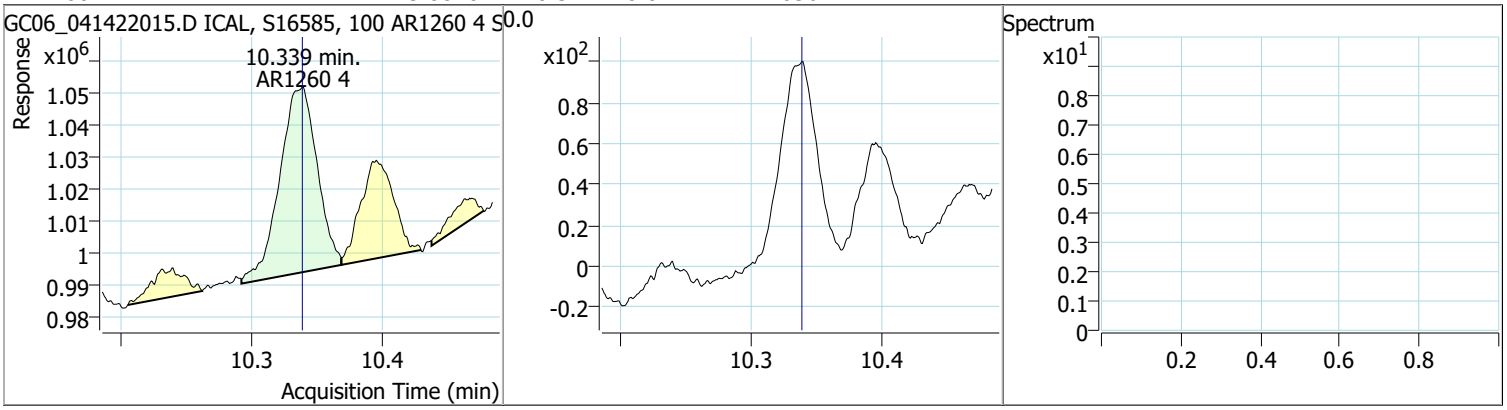
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	24.4637	9.76	0.00	221143			



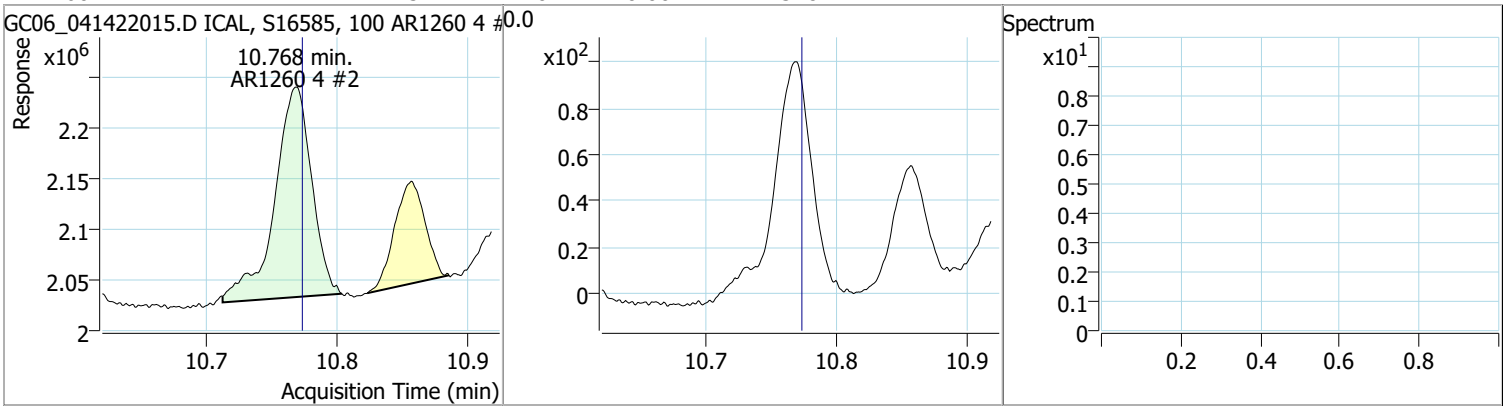
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	25.3537	10.24	0.00	768352			



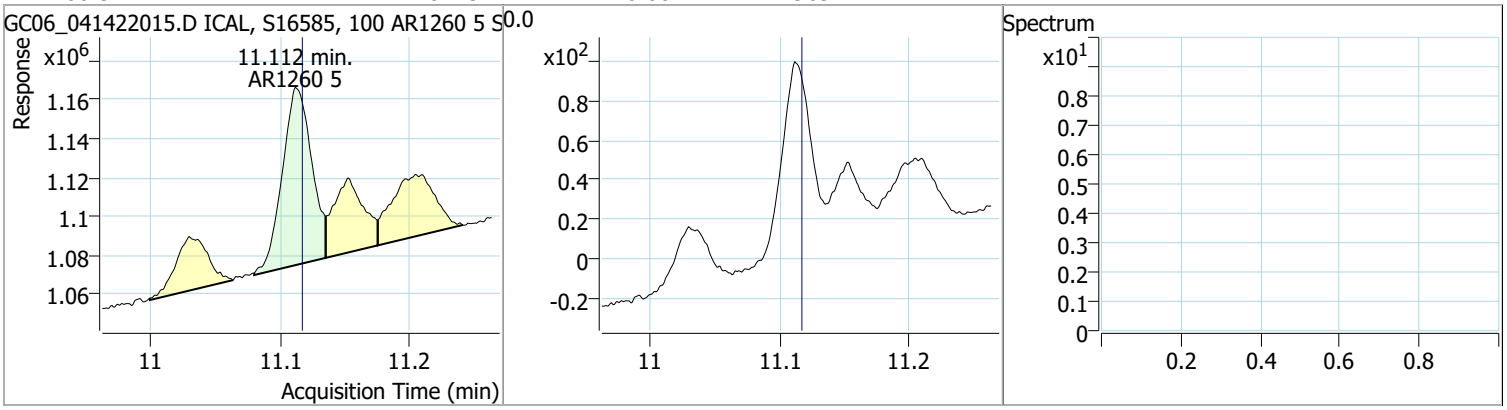
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	25.8840	10.34	0.01	116367			



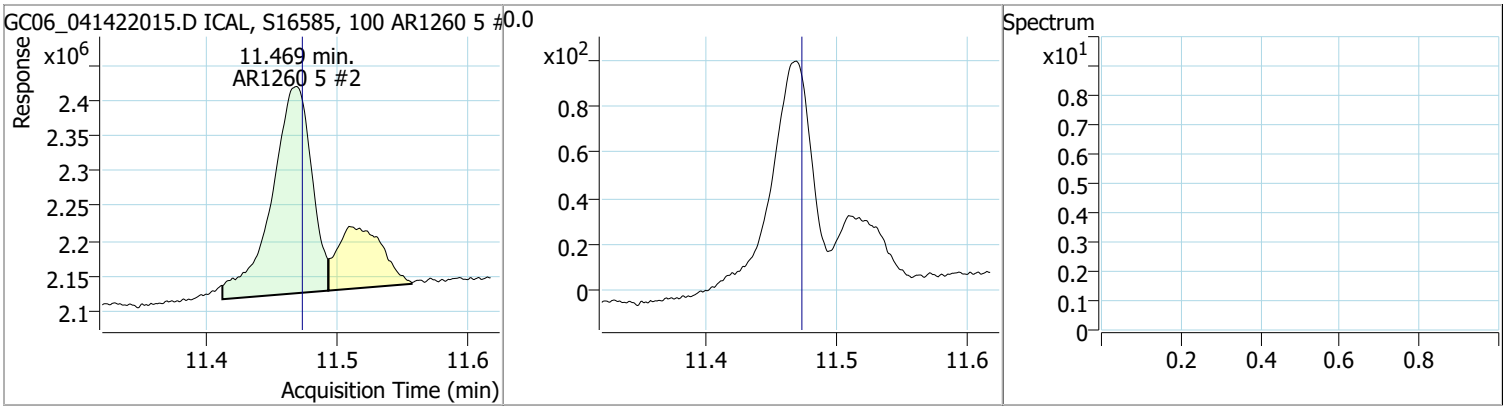
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	25.2144	10.77	0.00	413484			



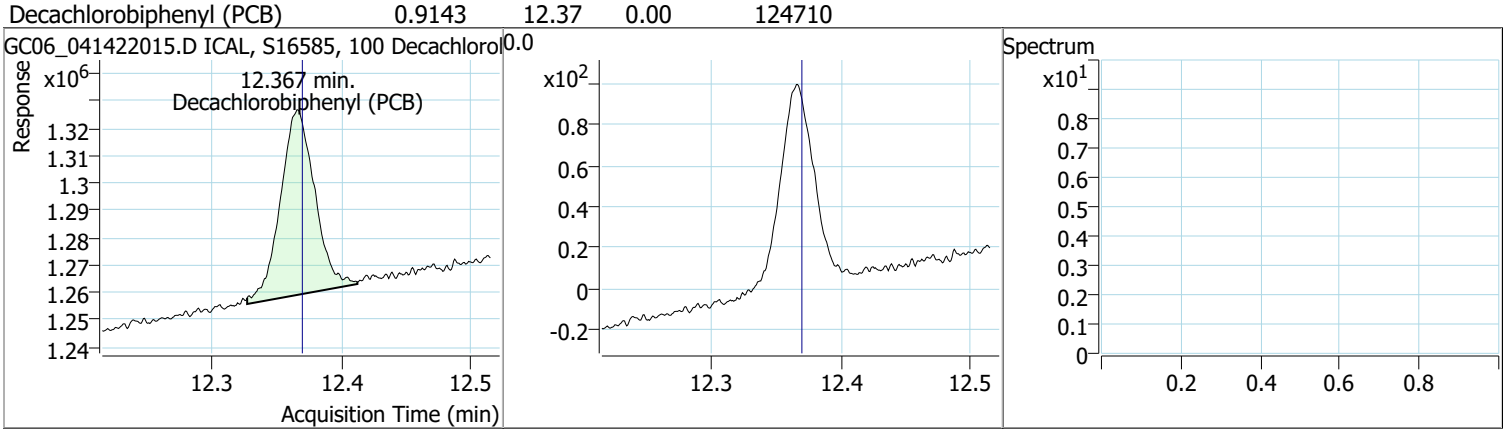
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
AR1260 5	24.0175	11.11	0.00	142909		



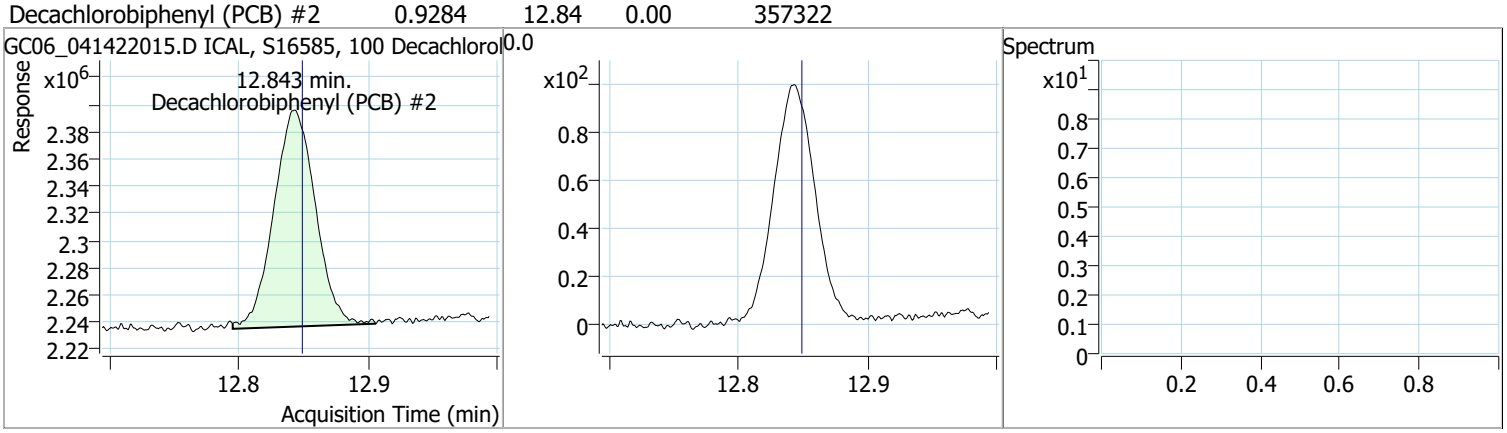
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	26.1482	11.47	0.00	632191		



Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	0.9143	12.37	0.00	124710		

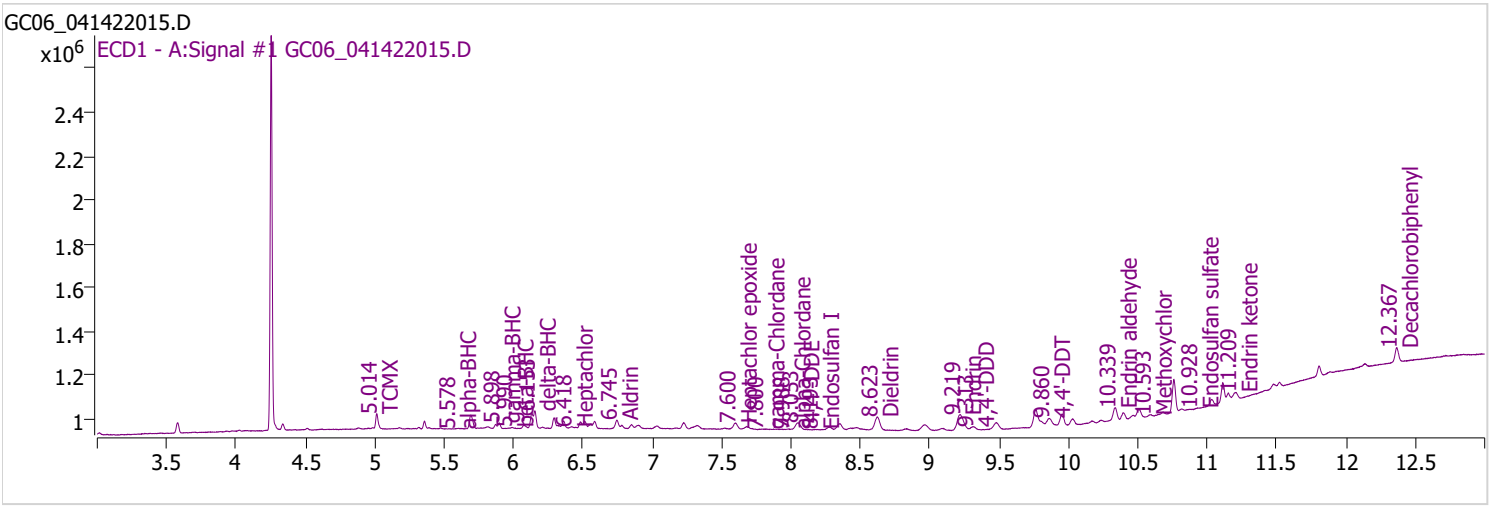


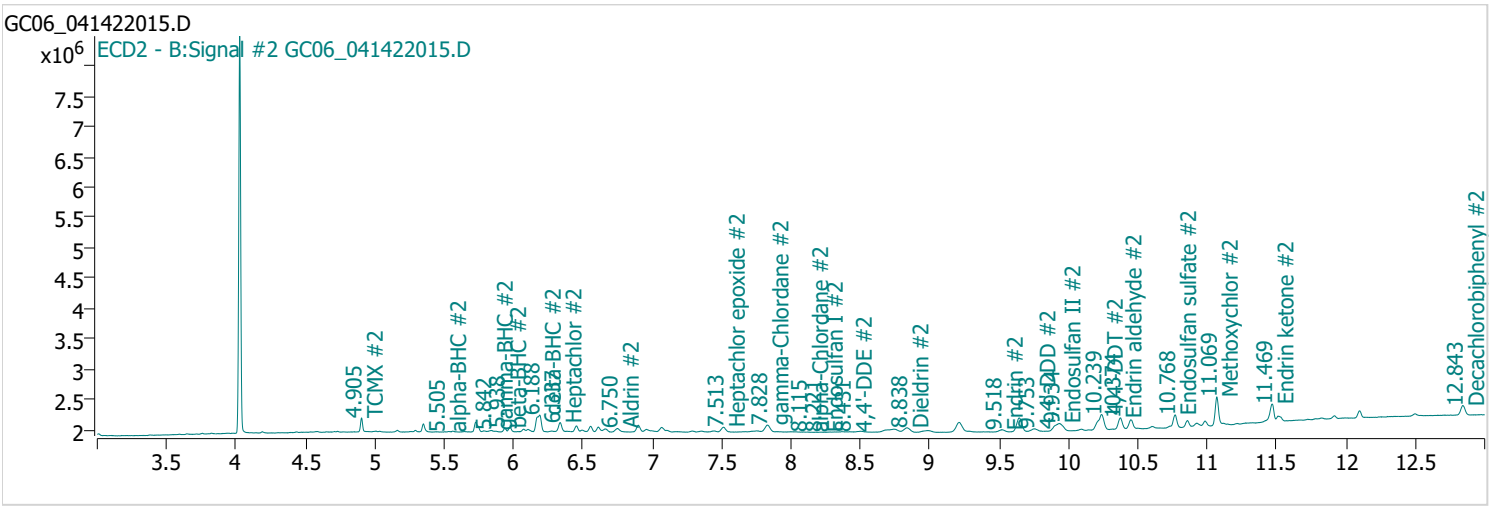
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	0.9284	12.84	0.00	357322		



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422015.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 6:41:09 PM
Sample Name	ICAL, S16585, 100	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 111	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 6:55:24 PM



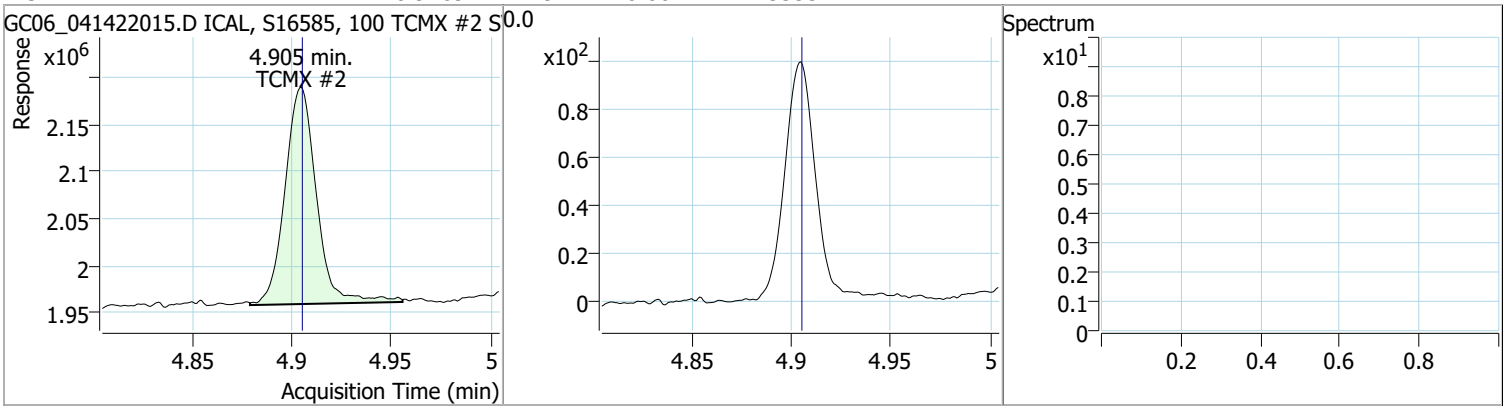


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.253	4.027	1774720	6352383	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.014	4.905	90330	253551	1.099	0.919	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	5.50% *	4.59% *	
S Decachlorobiphenyl	12.367	12.843	123436	345245	1.039	0.981	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	5.19% *	4.91% *	
Target Compounds							
T alpha-BHC	5.578	5.505	553	2637	0.006	0.008 #	ng/ml
T gamma-BHC	5.898	5.842	30350	51202	0.323	0.149 #	ng/ml
T beta-BHC	5.990	5.938	6611	76395	0.139	0.444 #	ng/ml
T delta-BHC	6.153	6.188	94954	669432	0.941	1.636 #	ng/ml
T Heptachlor	6.418	6.337	7750	264858	0.080	0.718 #	ng/ml
T Aldrin	6.745	6.750	65376	127208	0.686	0.353 #	ng/ml
T Heptachlor epoxide	7.600	7.513	54781	165853	0.587	0.506	ng/ml
T gamma-Chlordane	7.800	7.828	2517	258330	0.029	0.741 #	ng/ml
T alpha-Chlordane	7.988	8.115	2641	3581	0.031	0.012 #	ng/ml

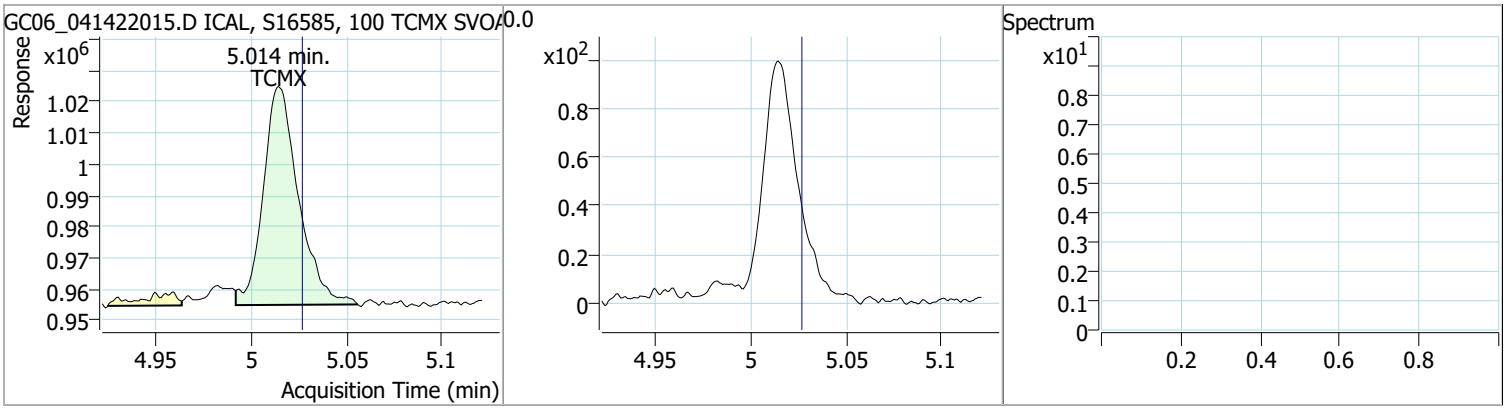
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.193	8.221	1453	1168	0.018	0.004 #	ng/ml
T 4,4'-DDE	8.053	8.431	80424	1178	0.957	0.004 #	ng/ml
T Dieldrin	8.623	8.838	157673	177695	1.679	0.574 #	ng/ml
T Endrin	9.219	9.518	234737	105500	2.650	0.376 #	ng/ml
T 4,4'-DDD	9.313	9.753	24757	119452	0.391	0.480	ng/ml
T Endosulfan II	----	9.934 f	0	542724	N.D.	1.744 #	ng/ml
T 4,4'-DDT	9.860	10.239	77219	762866	0.990	2.406 #	ng/ml
T Endrin aldehyde	10.339	10.374	31868	366941	0.499	1.596 #	ng/ml
T Endosulfan sulfate	10.928	10.768	3135	395804	0.041	1.508 #	ng/ml
T Methoxychlor	10.593	11.069 f	14377	843779	0.298	5.159 #	ng/ml
T Endrin ketone	11.209	11.469 f	48846	729349	0.509	2.166 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

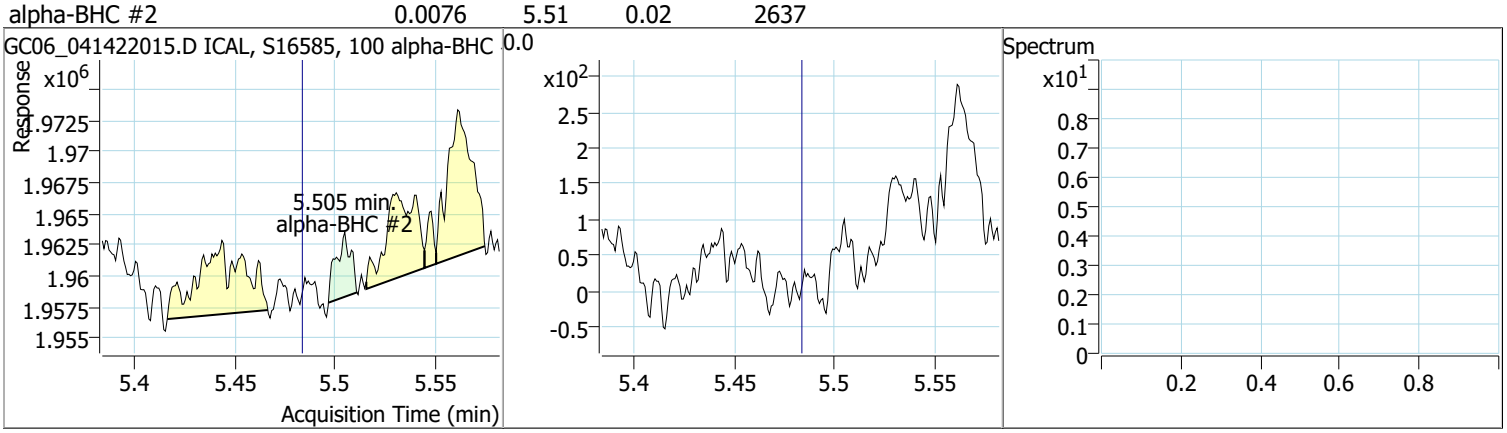
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	0.9189	4.91	0.00	253551			



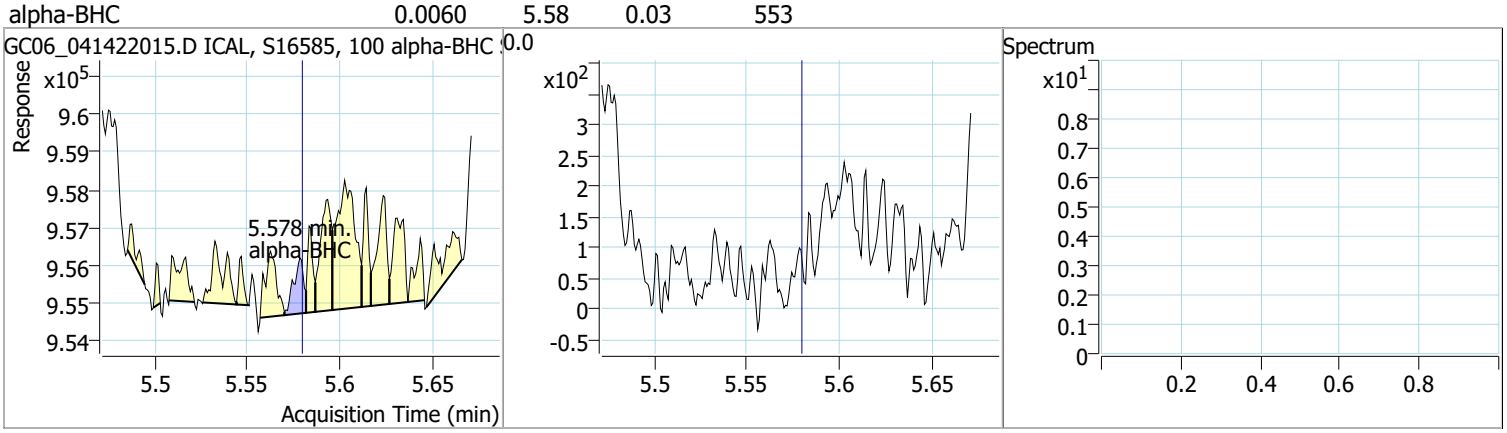
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	1.0990	5.01	0.02	90330			



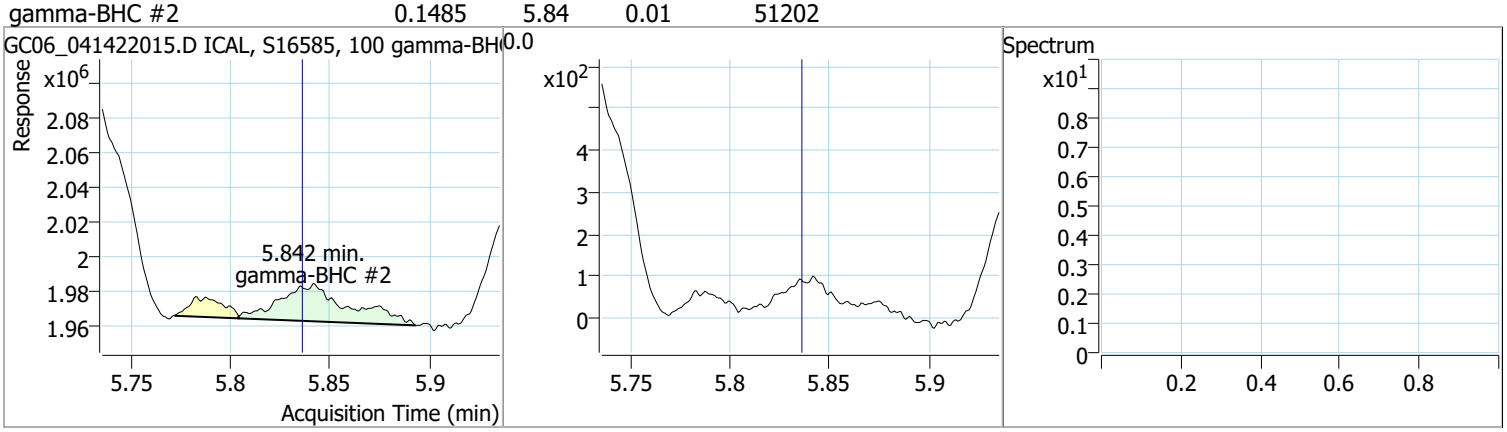
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	0.0076	5.51	0.02	2637			



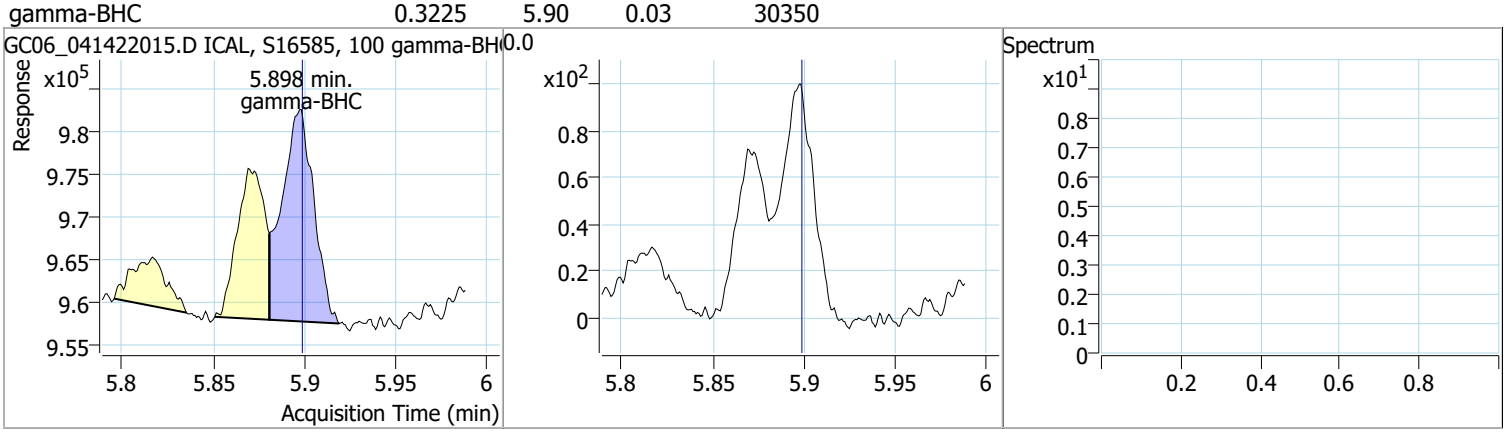
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC	0.0060	5.58	0.03	553			



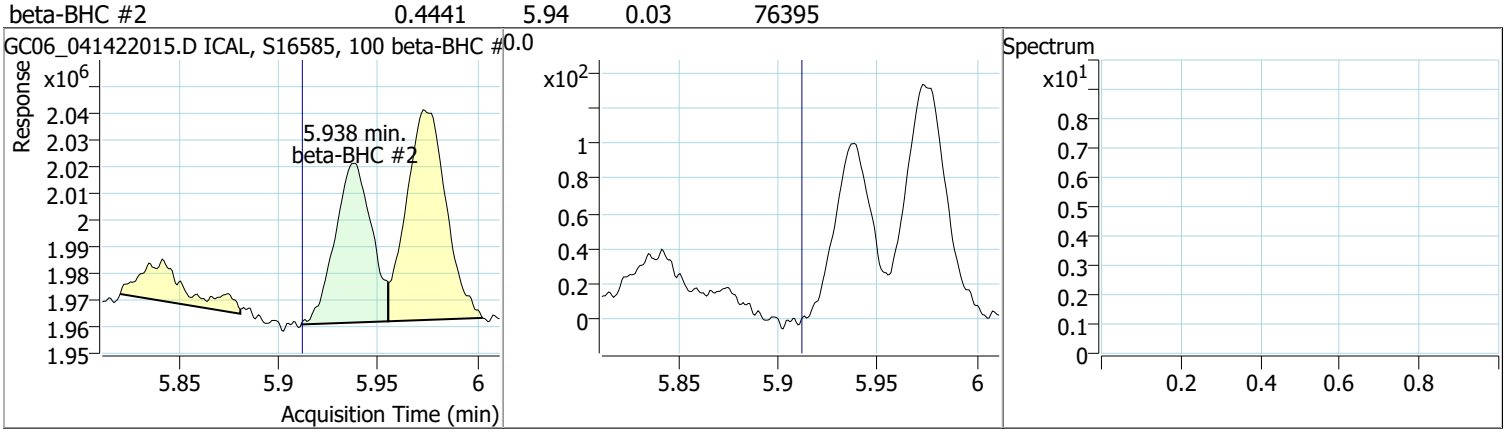
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	0.1485	5.84	0.01	51202			



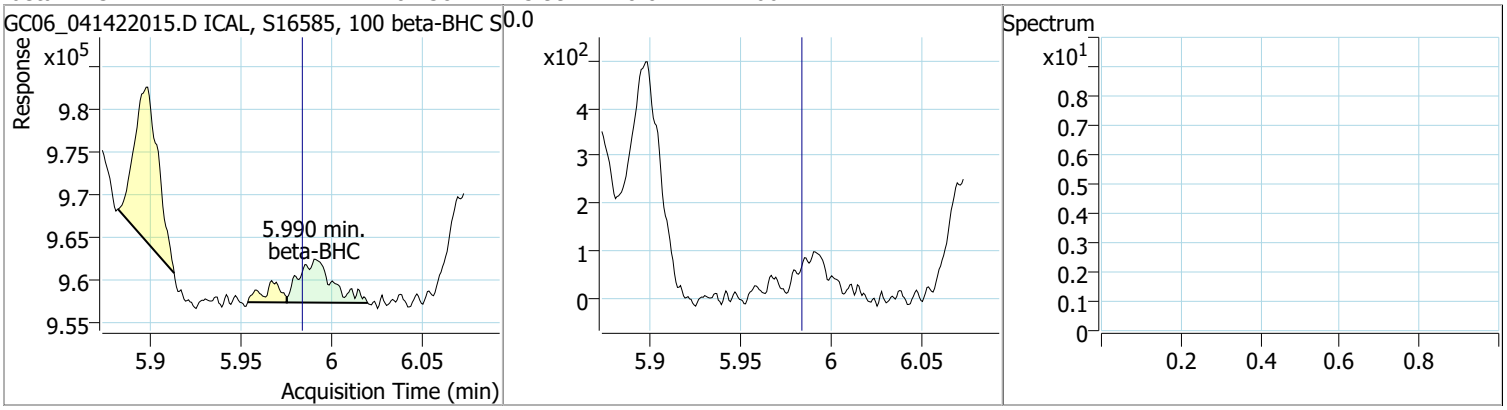
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	0.3225	5.90	0.03	30350			



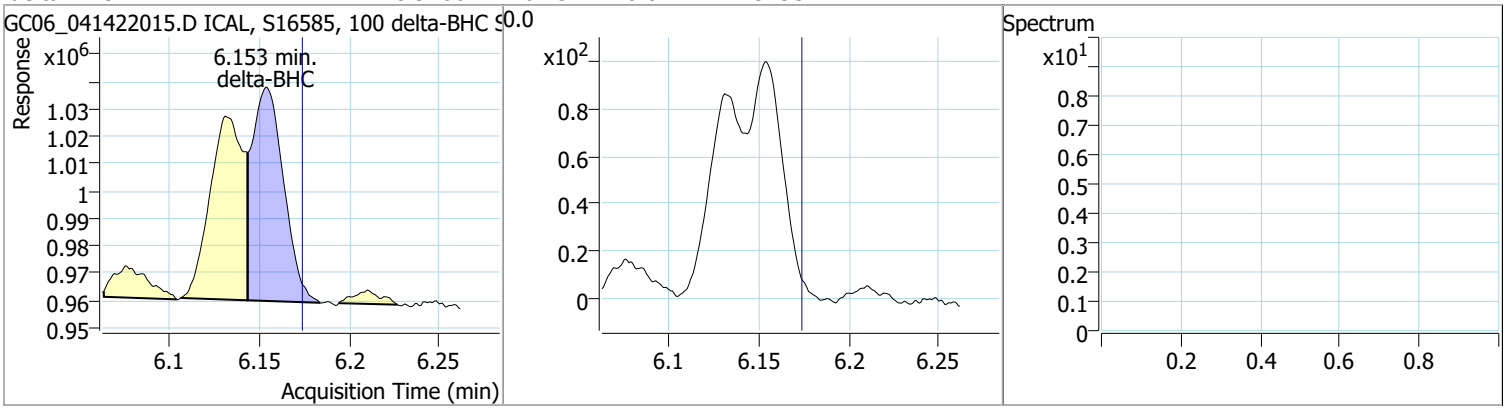
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	0.4441	5.94	0.03	76395			



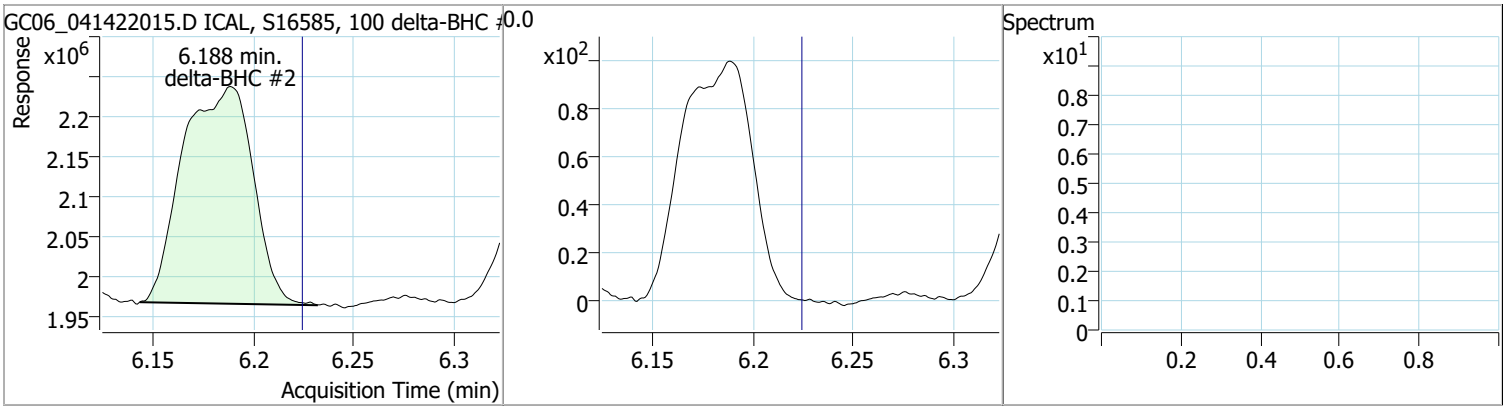
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	0.1387	5.99	0.04	6611			



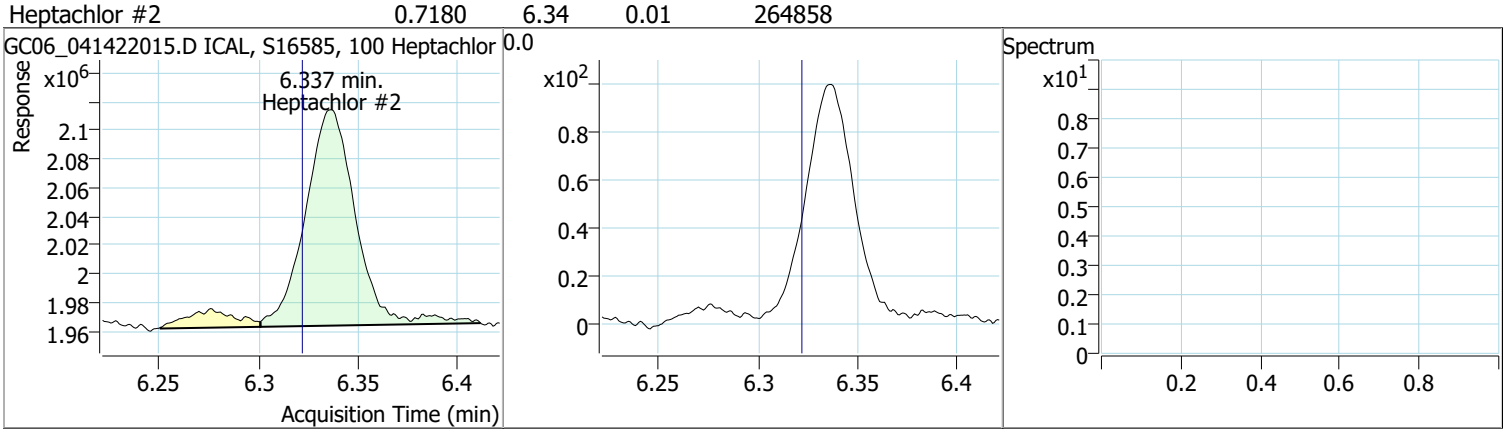
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	0.9406	6.15	0.01	94954			



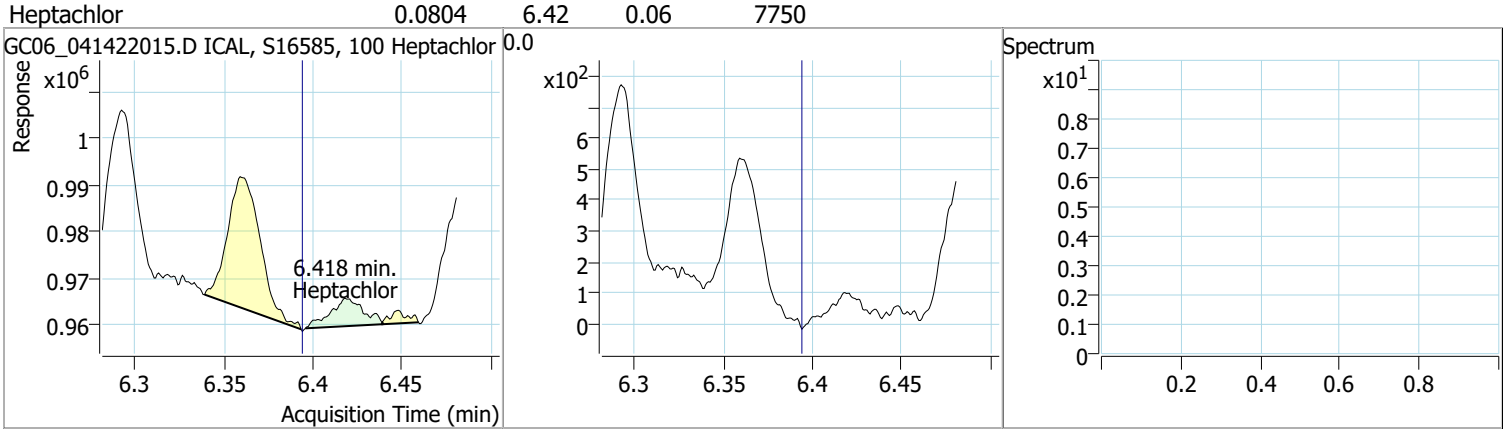
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	1.6364	6.19	-0.04	669432			



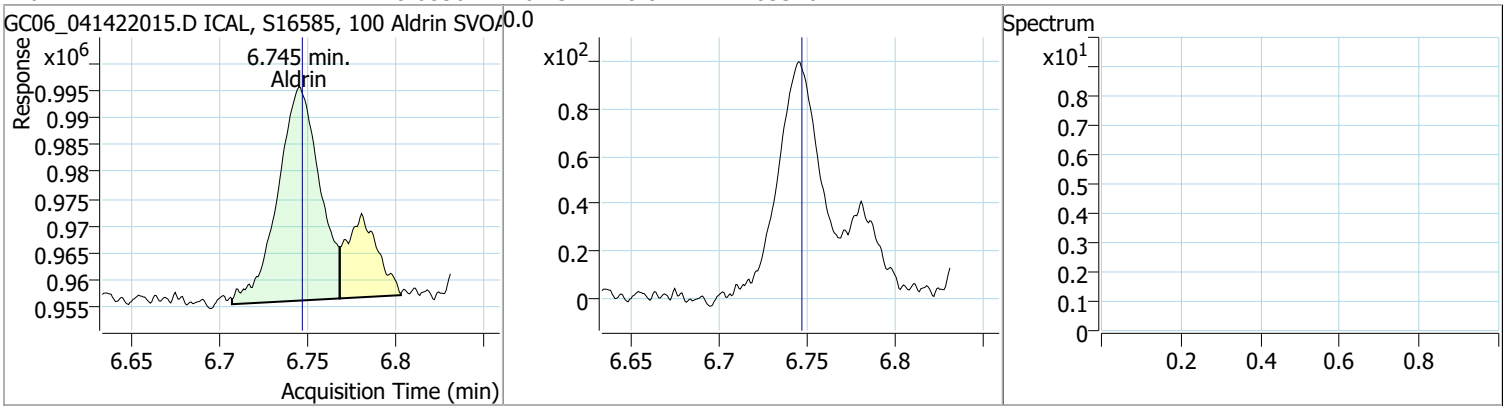
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	0.7180	6.34	0.01	264858			



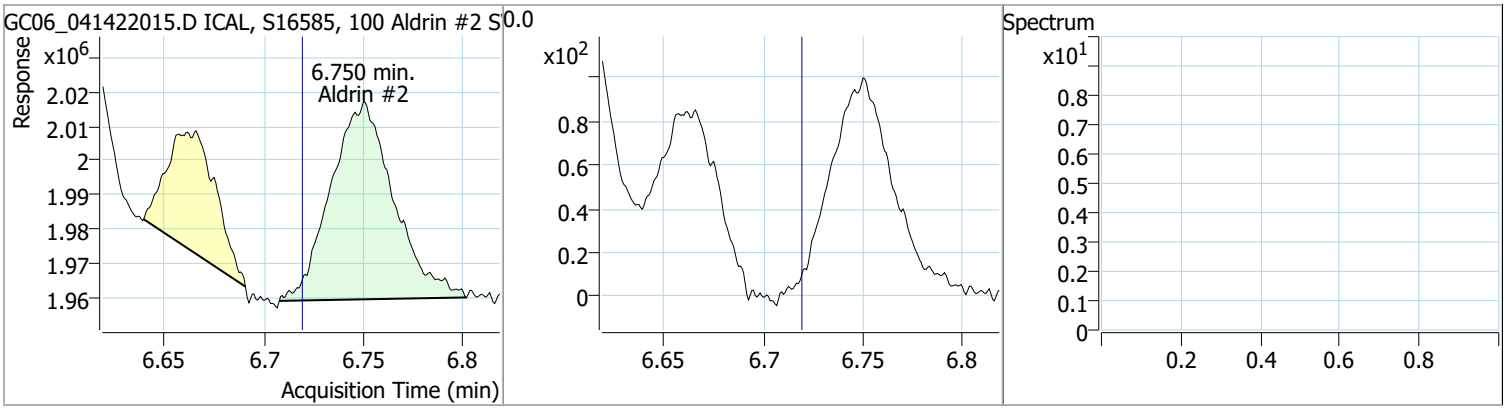
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	0.0804	6.42	0.06	7750			



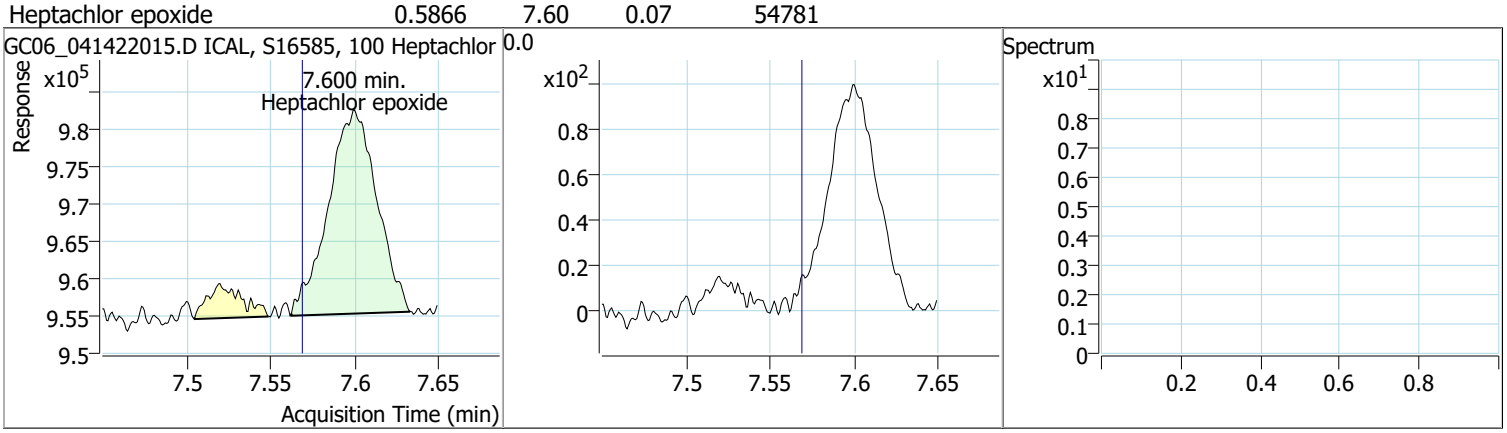
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	0.6856	6.75	0.04	65376			



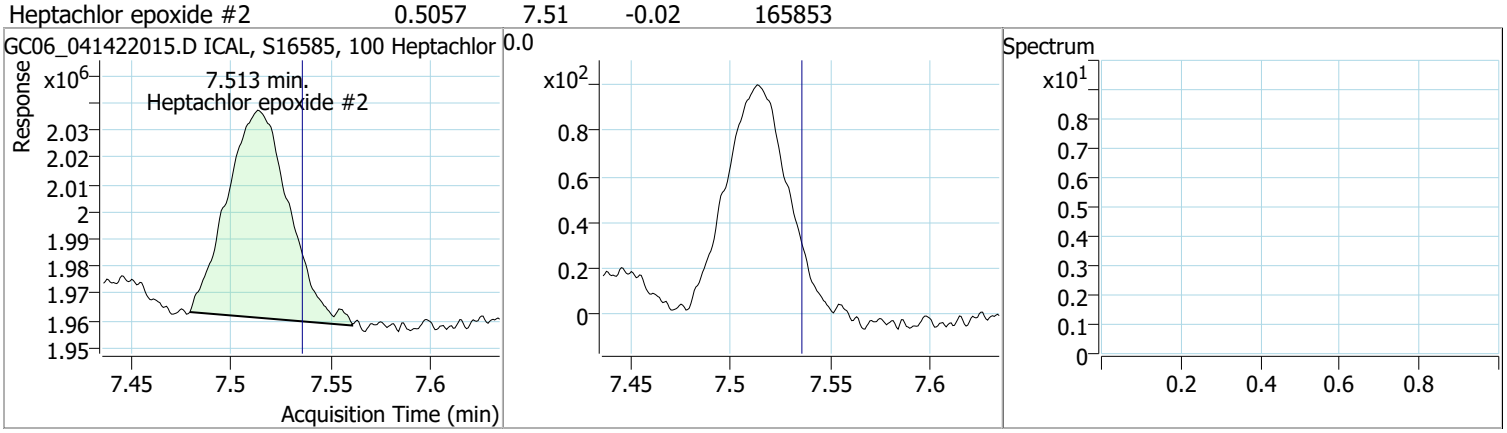
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	0.3529	6.75	0.03	127208			



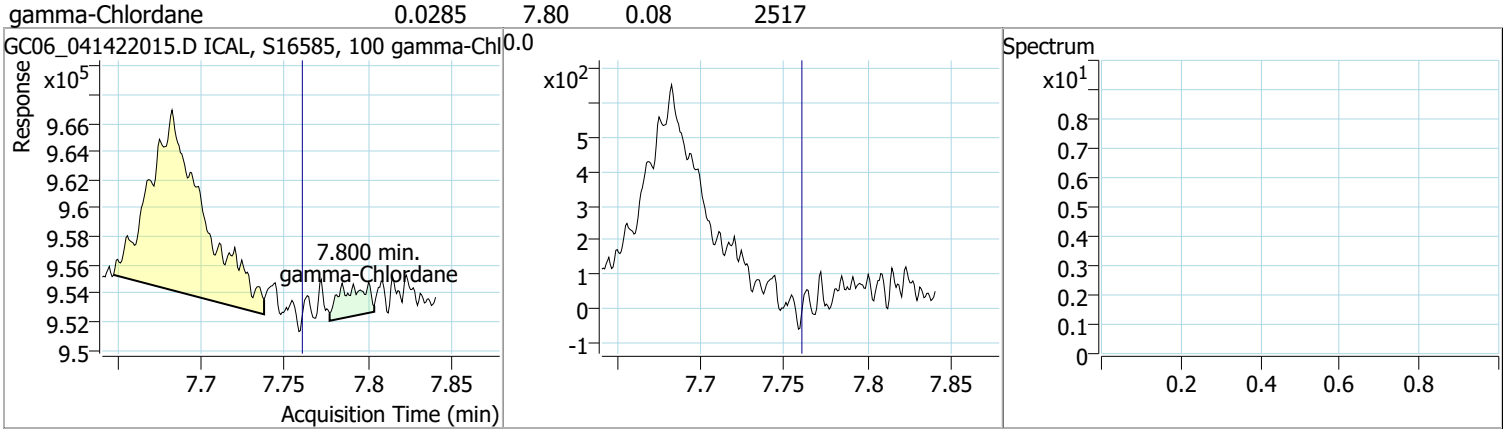
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	0.5866	7.60	0.07	54781			



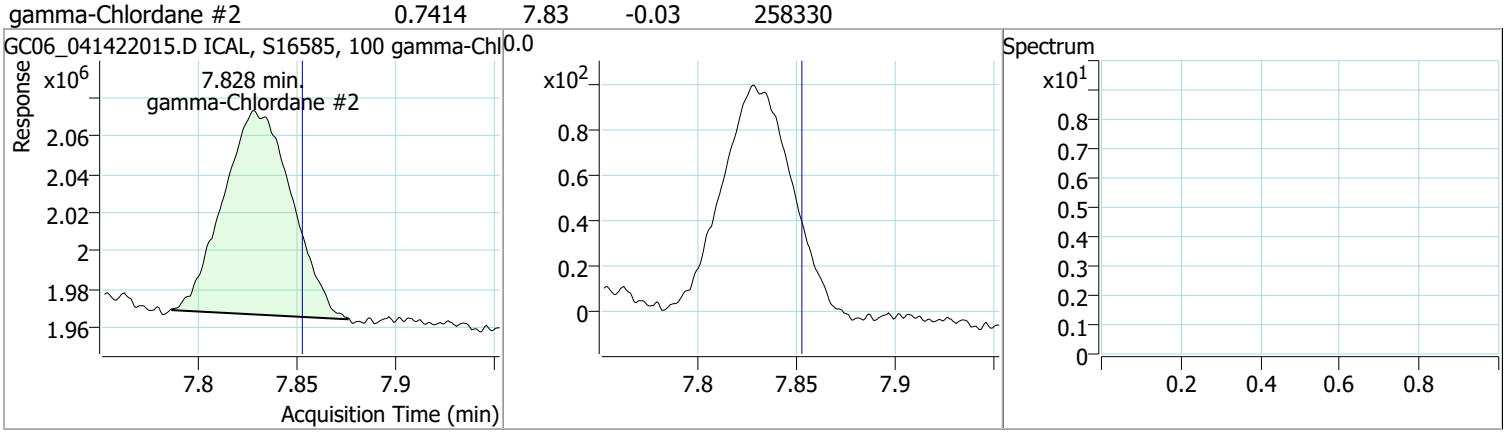
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	0.5057	7.51	-0.02	165853			



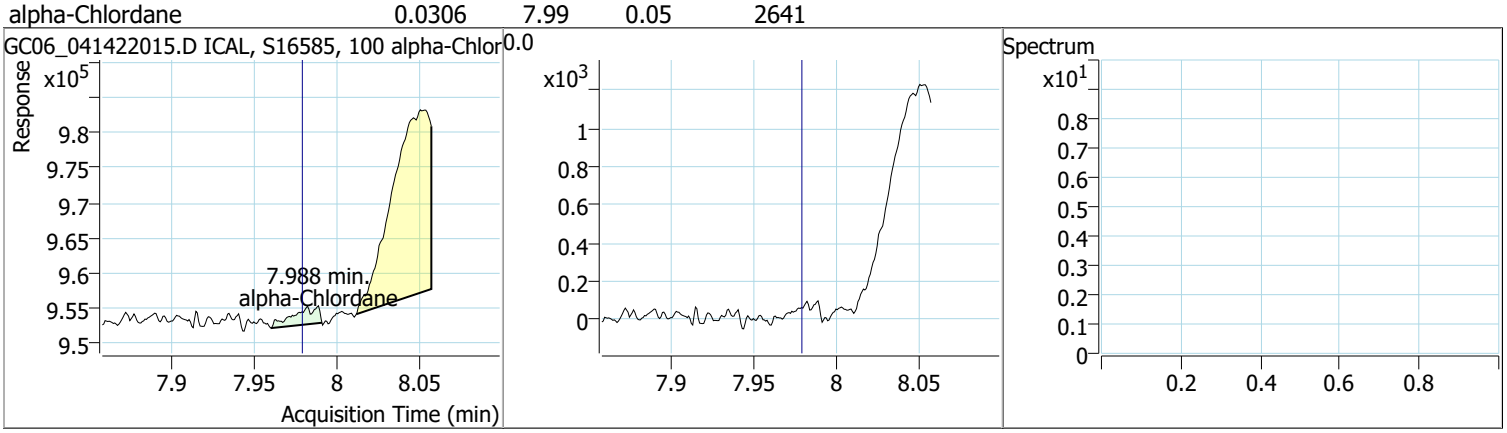
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0285	7.80	0.08	2517			



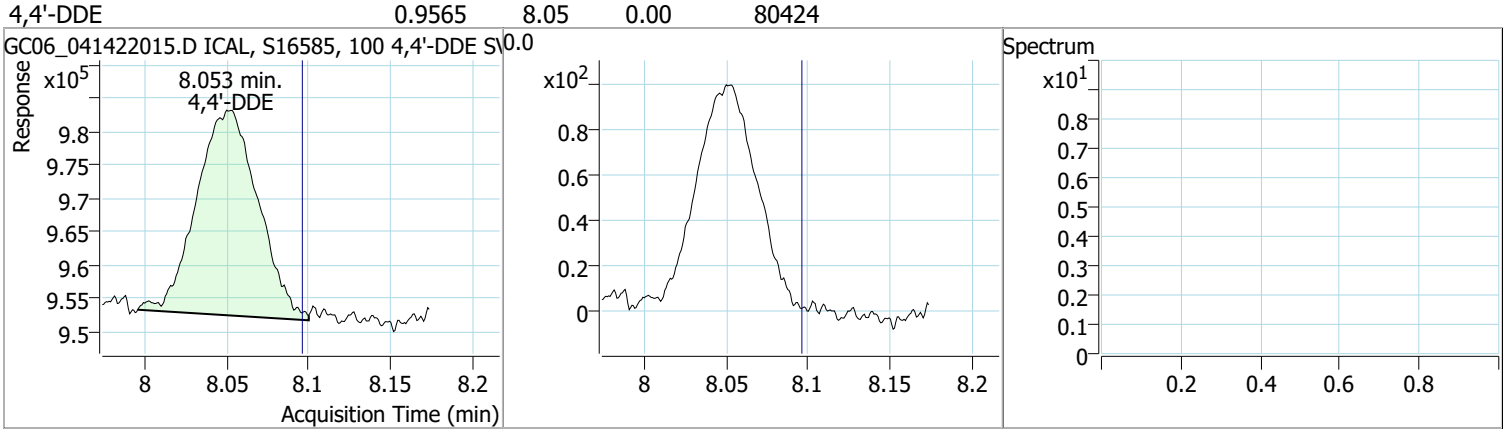
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	0.7414	7.83	-0.03	258330			



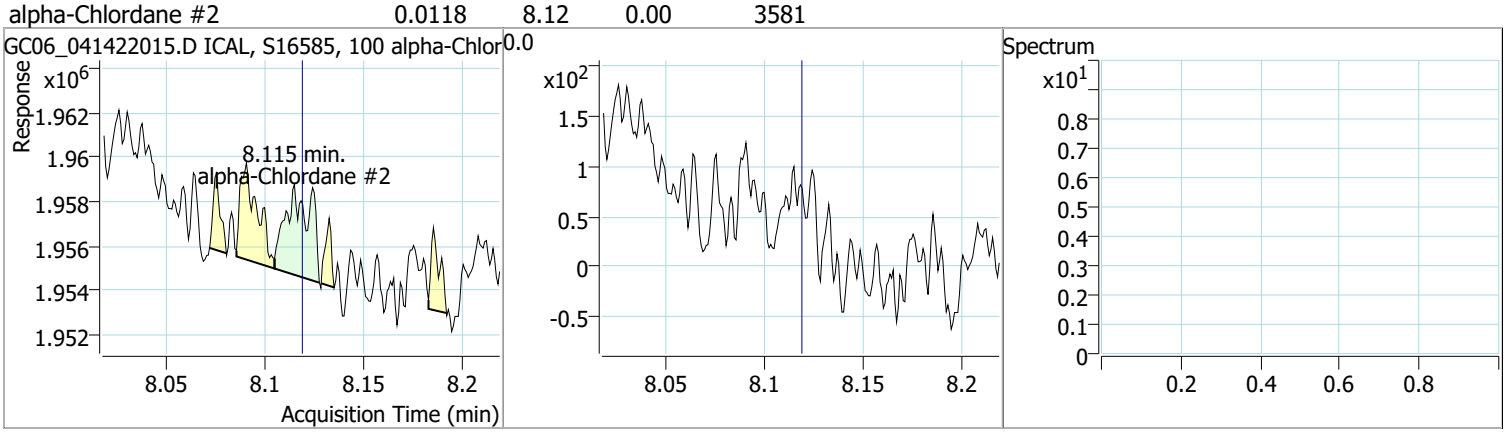
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	0.0306	7.99	0.05	2641			



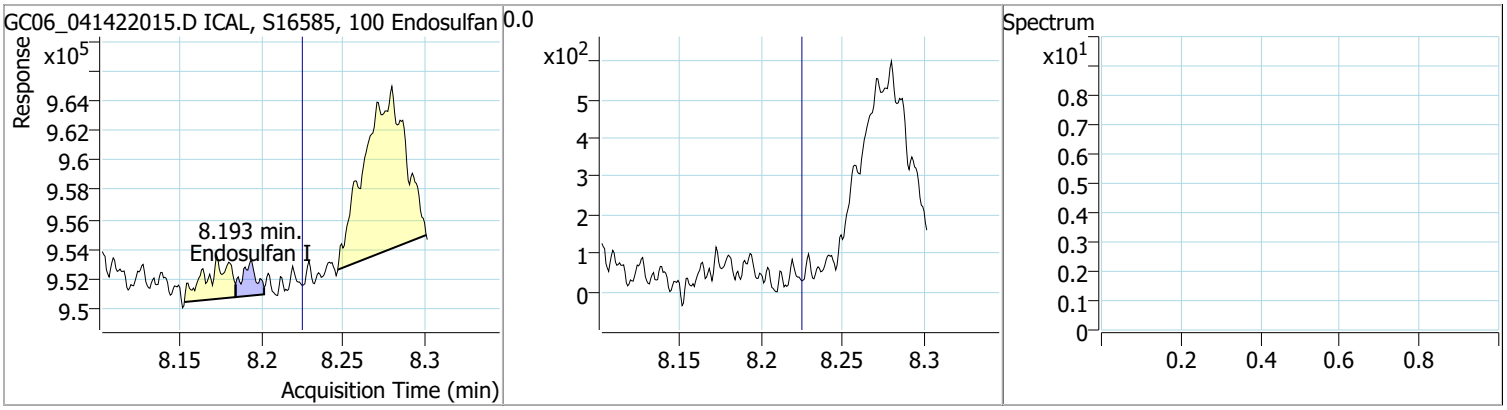
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	0.9565	8.05	0.00	80424			



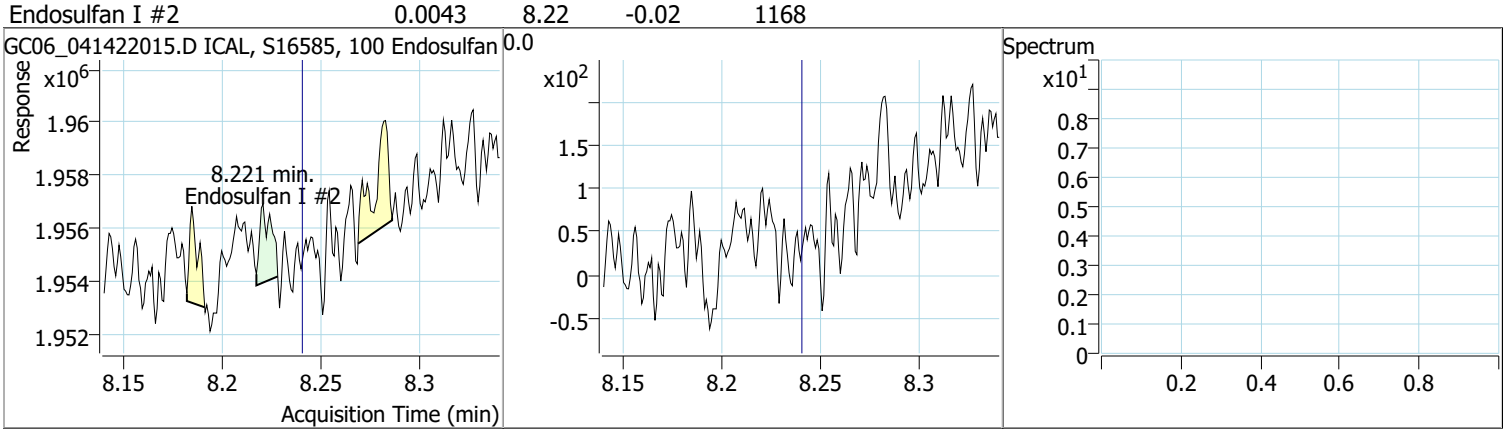
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0118	8.12	0.00	3581		



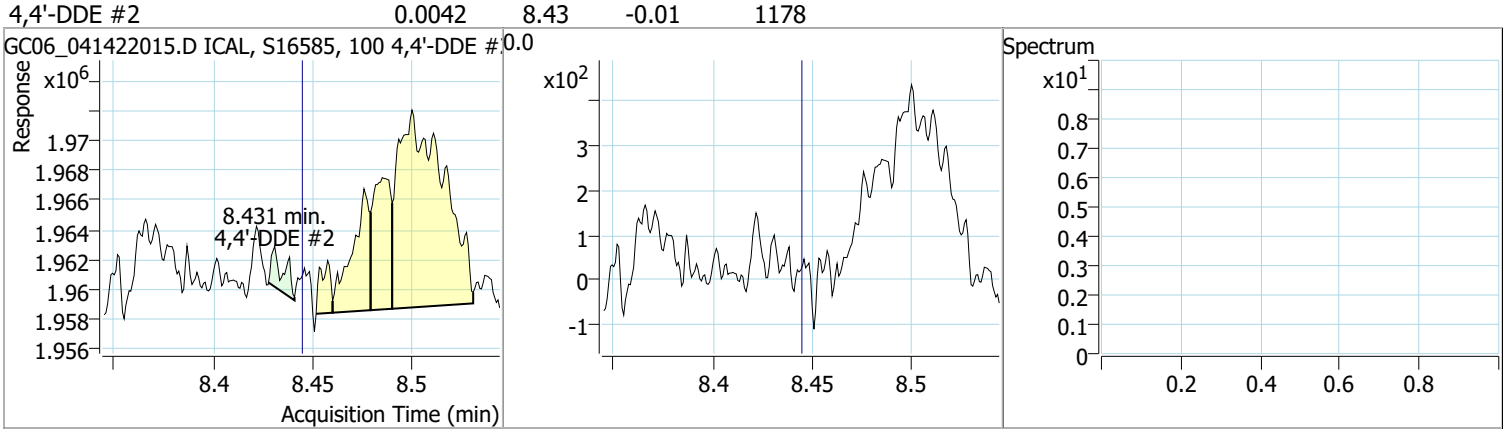
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	0.0184	8.19	0.01	1453		



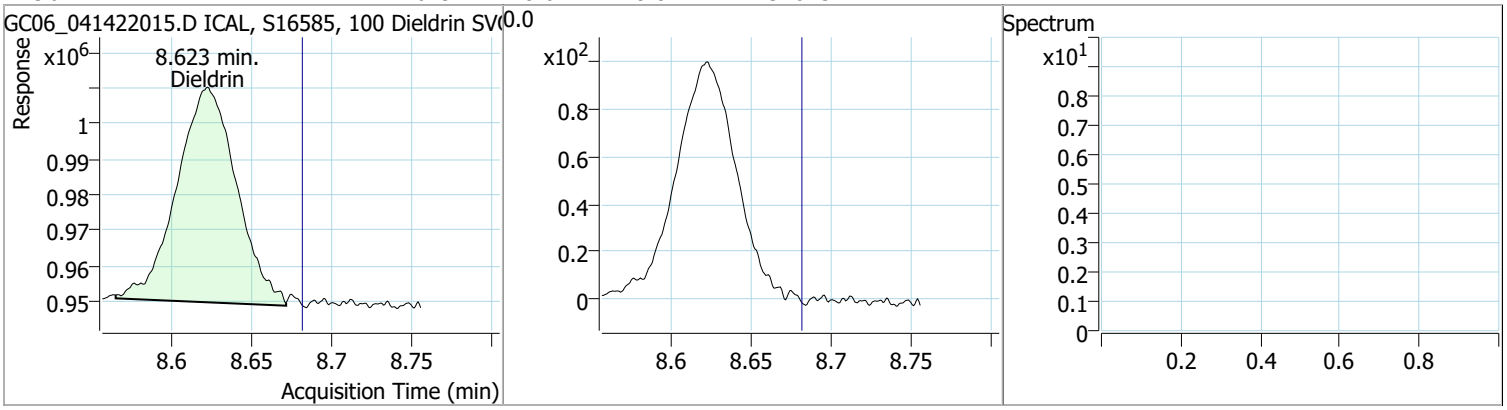
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.0043	8.22	-0.02	1168		



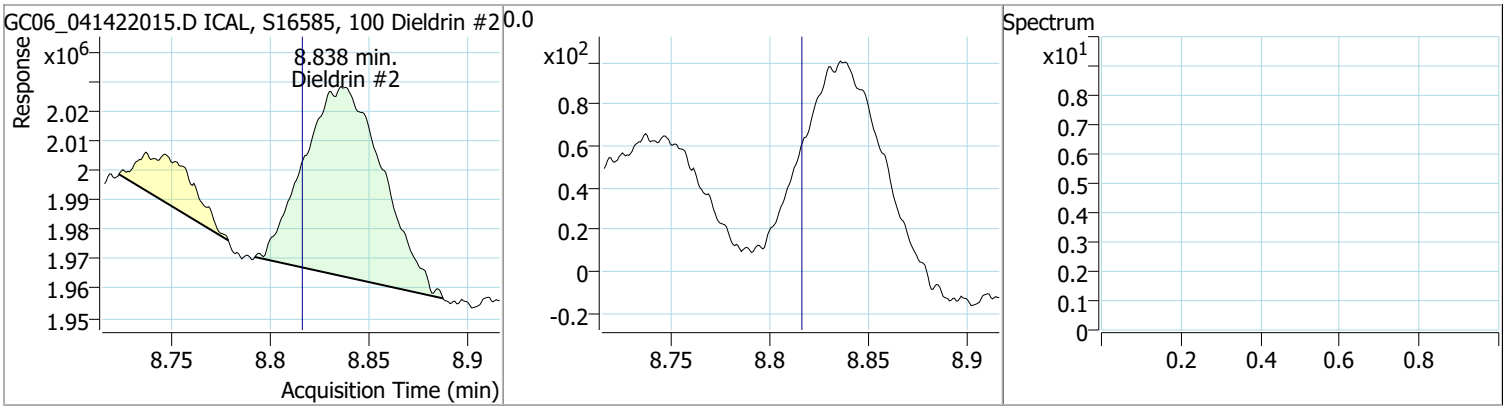
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	0.0042	8.43	-0.01	1178		



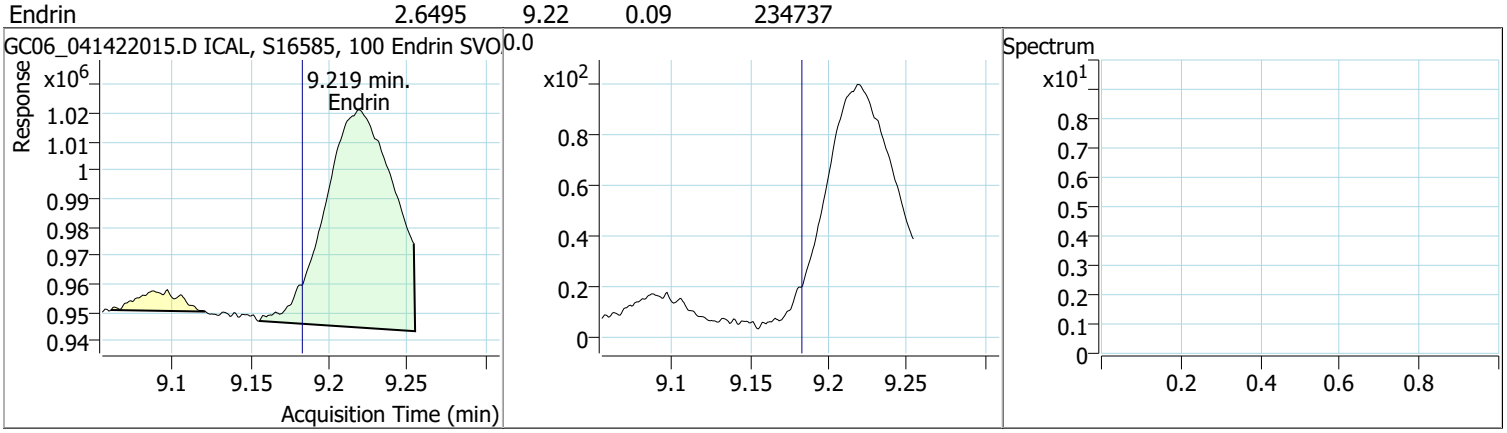
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	1.6791	8.62	-0.01	157673			



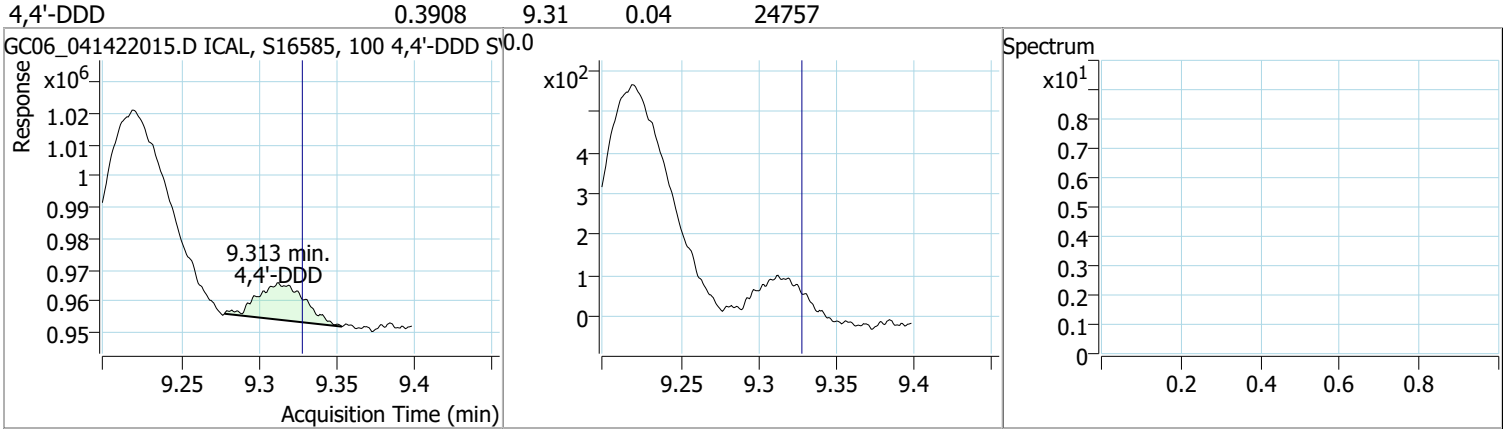
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	0.5745	8.84	0.02	177695			



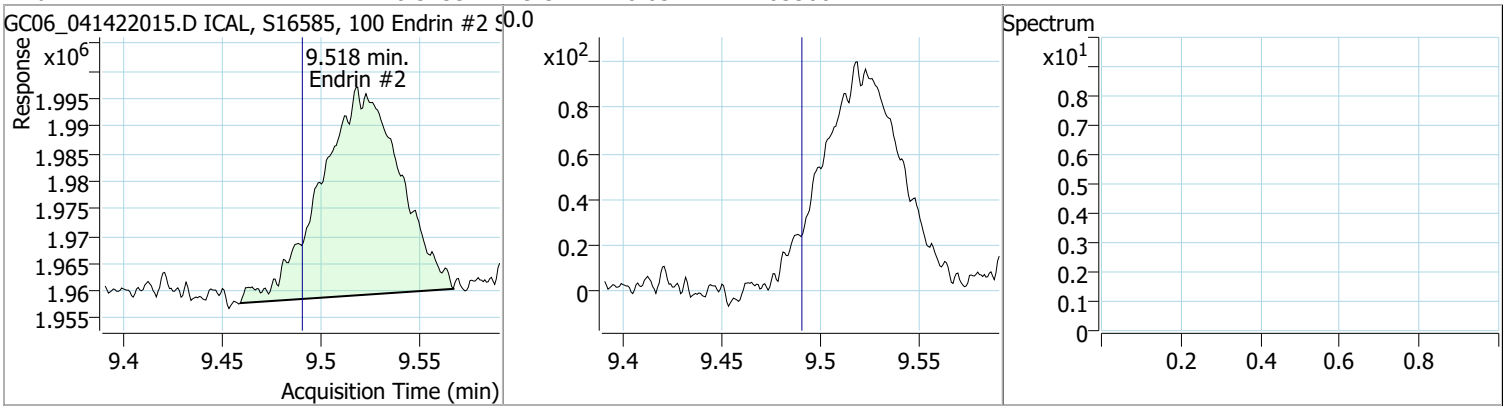
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	2.6495	9.22	0.09	234737			



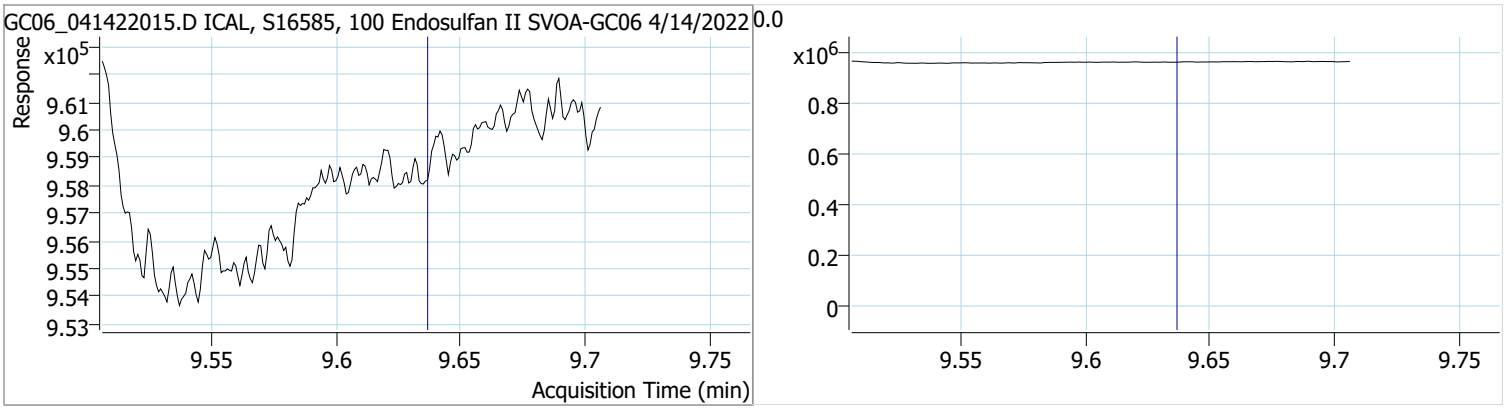
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	0.3908	9.31	0.04	24757			



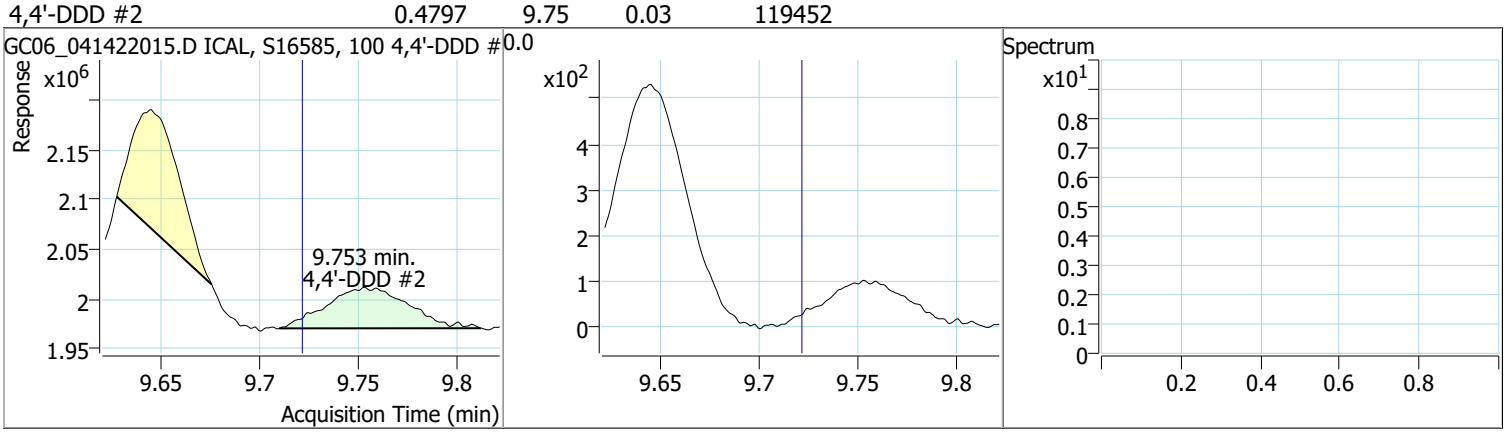
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	0.3755	9.52	0.03	105500			



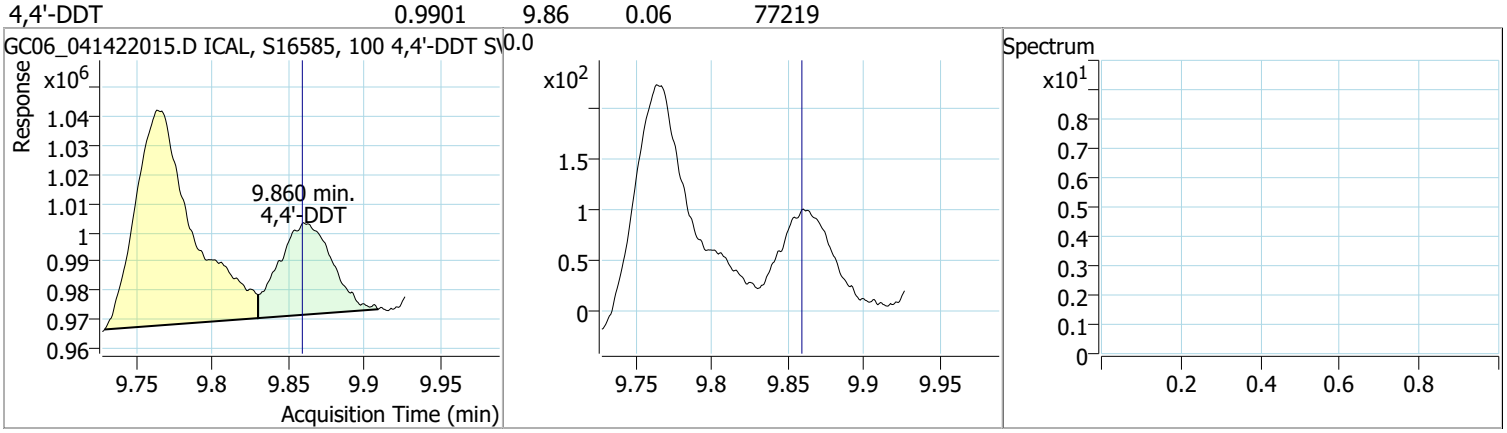
Compound	Conc.		Exp Ratio
Endosulfan II	N.D.	9.58	



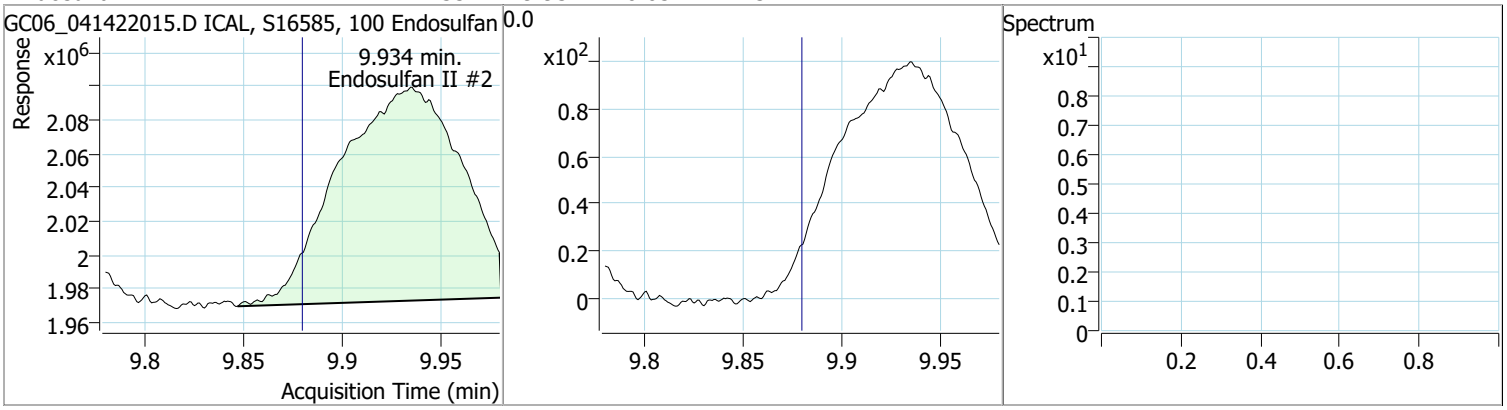
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	0.4797	9.75	0.03	119452			



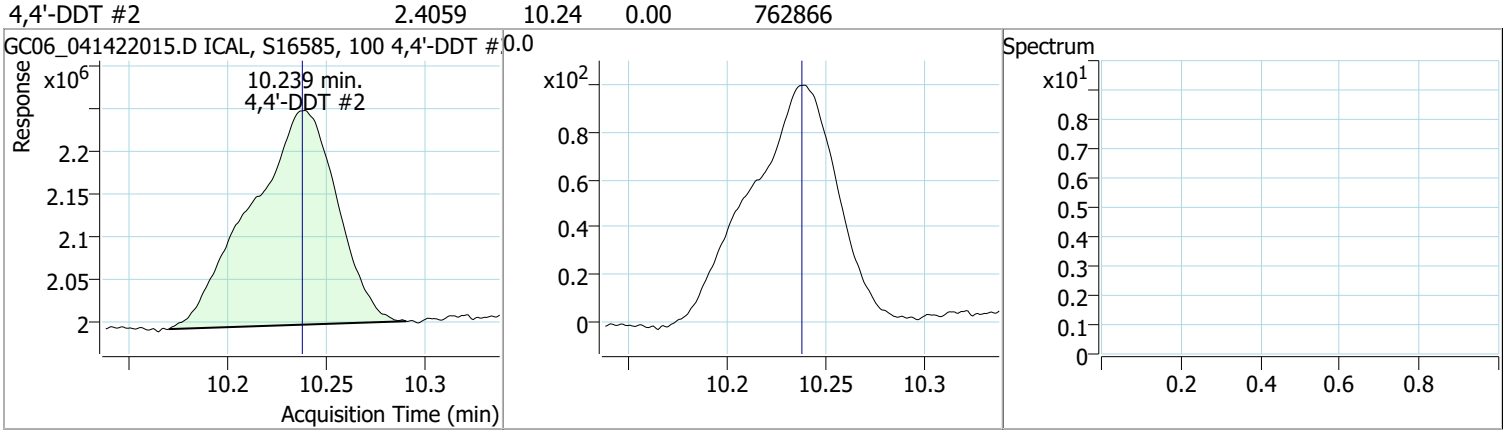
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	0.9901	9.86	0.06	77219			



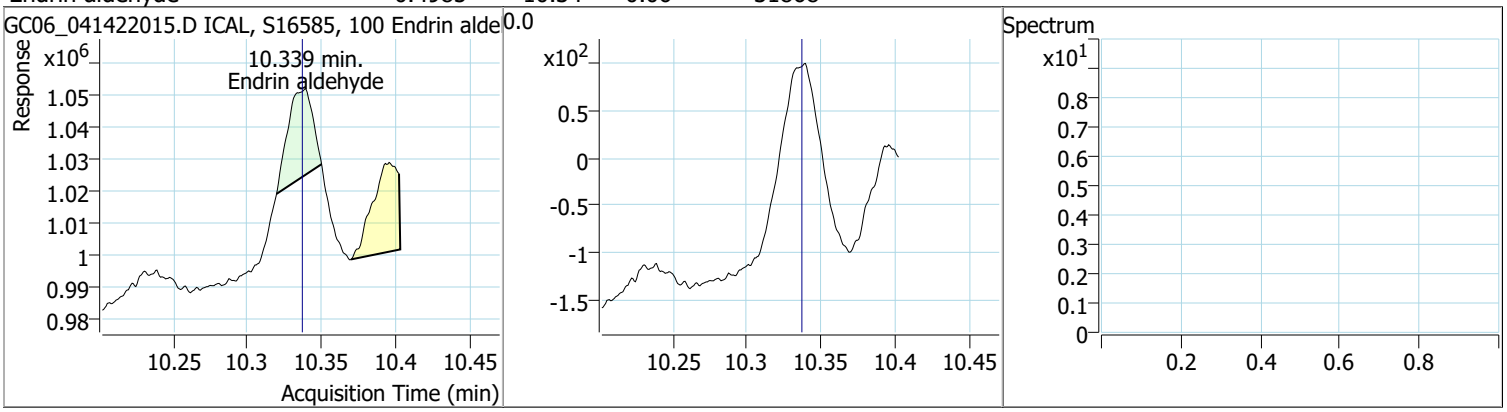
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	1.7435	9.93	0.05	542724			



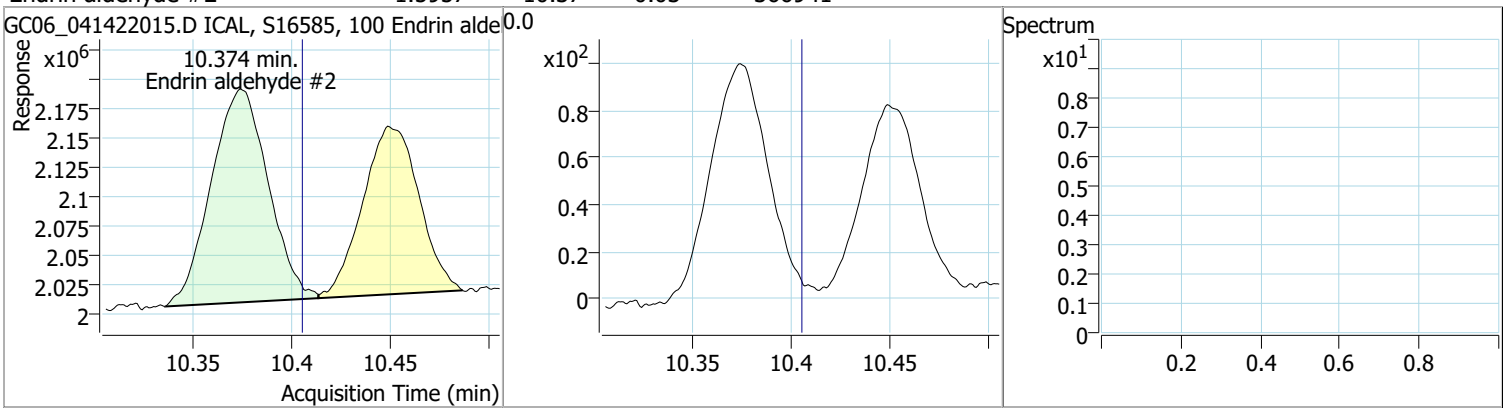
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	2.4059	10.24	0.00	762866			



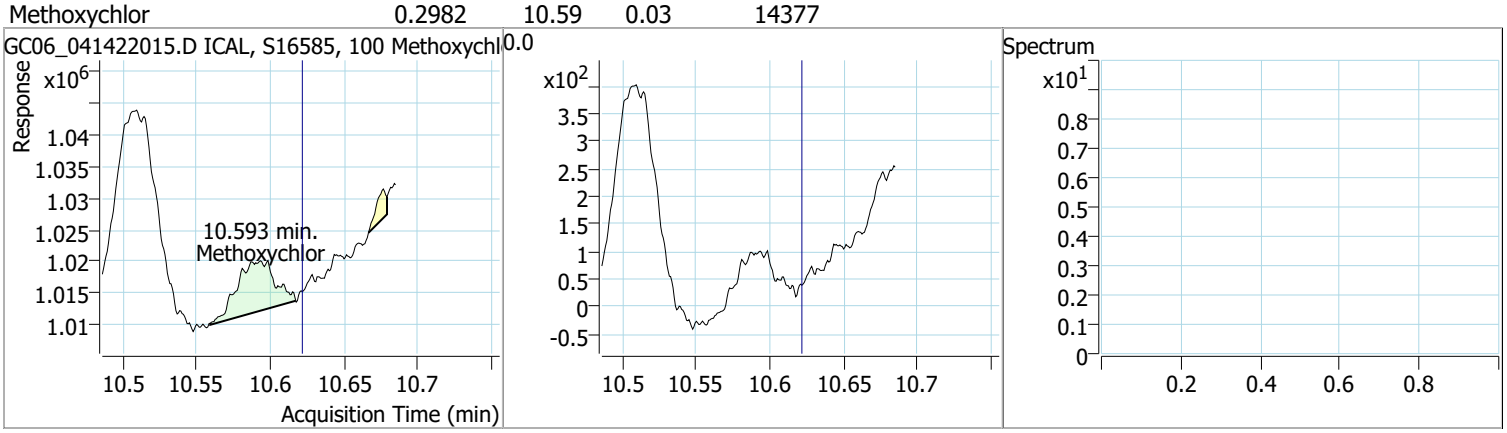
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	0.4985	10.34	0.06	31868			



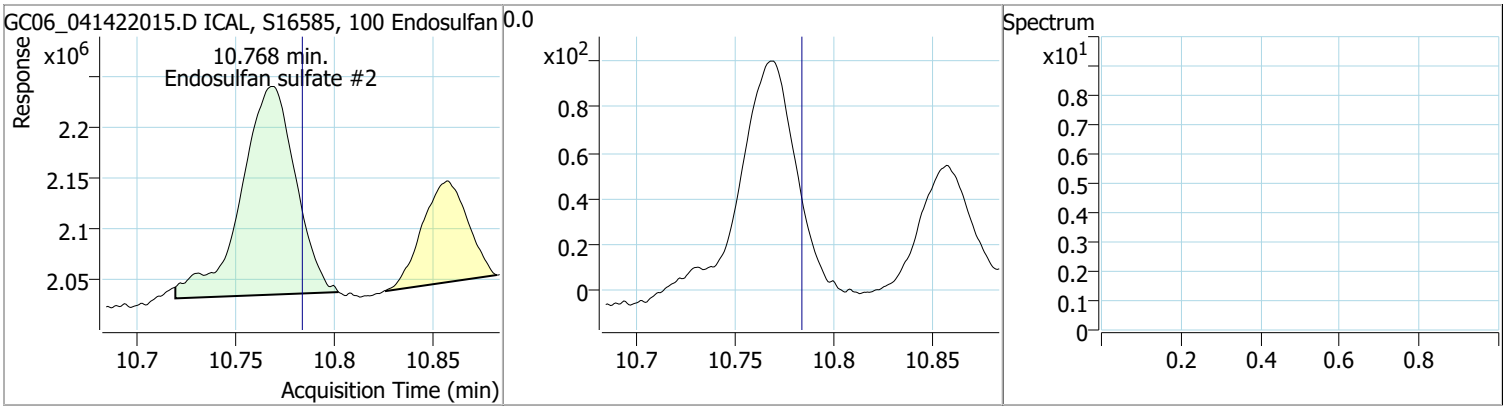
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	1.5957	10.37	-0.03	366941			



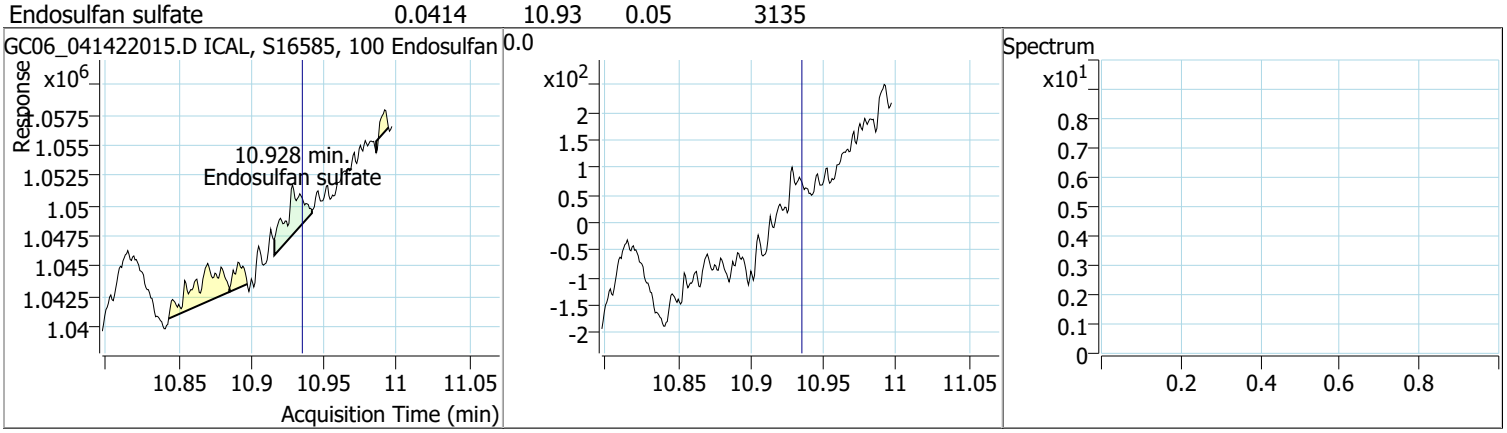
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	0.2982	10.59	0.03	14377			



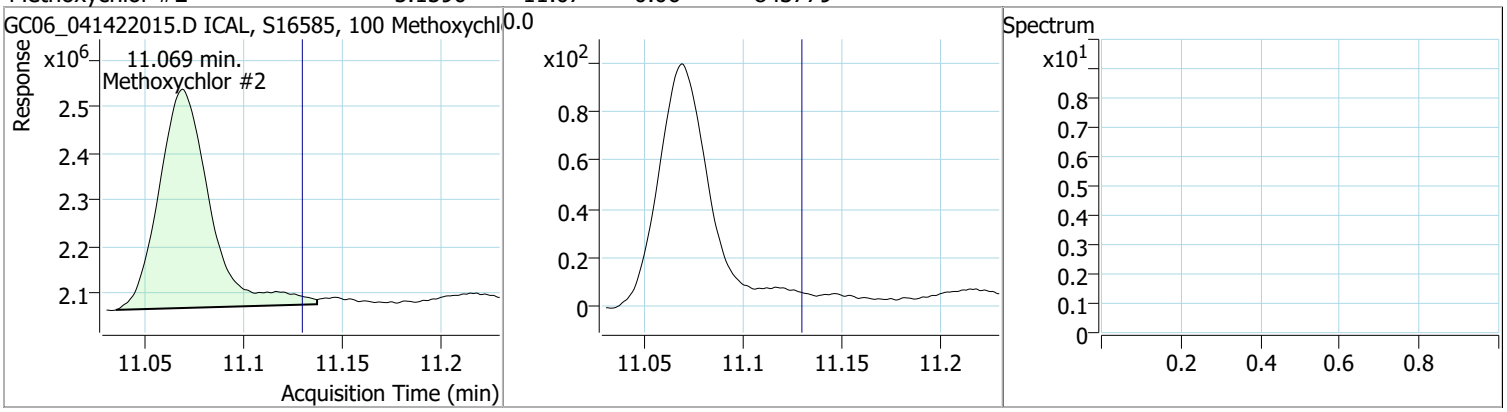
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	1.5080	10.77	-0.02	395804			



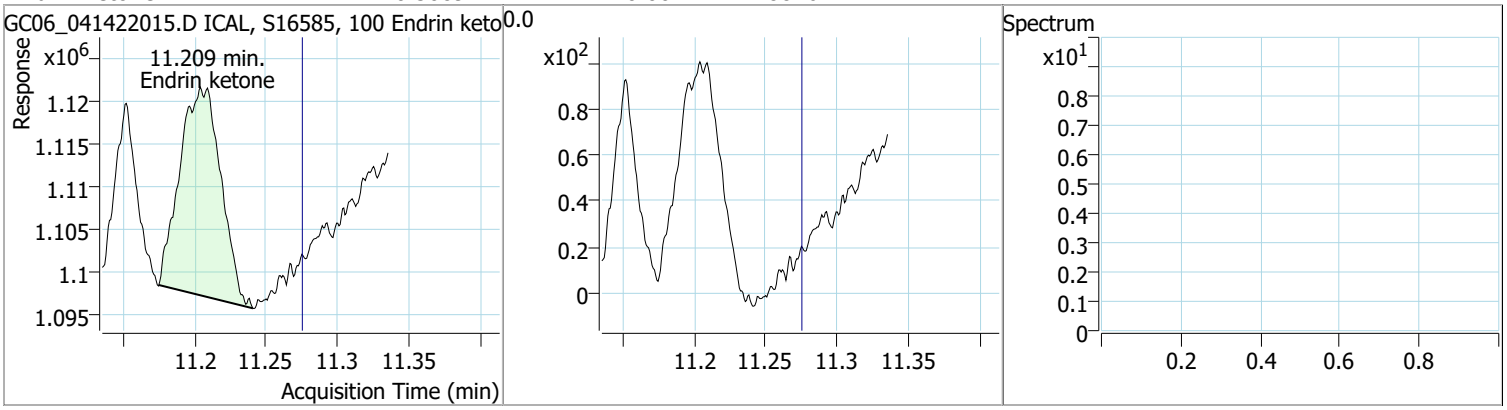
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	0.0414	10.93	0.05	3135			



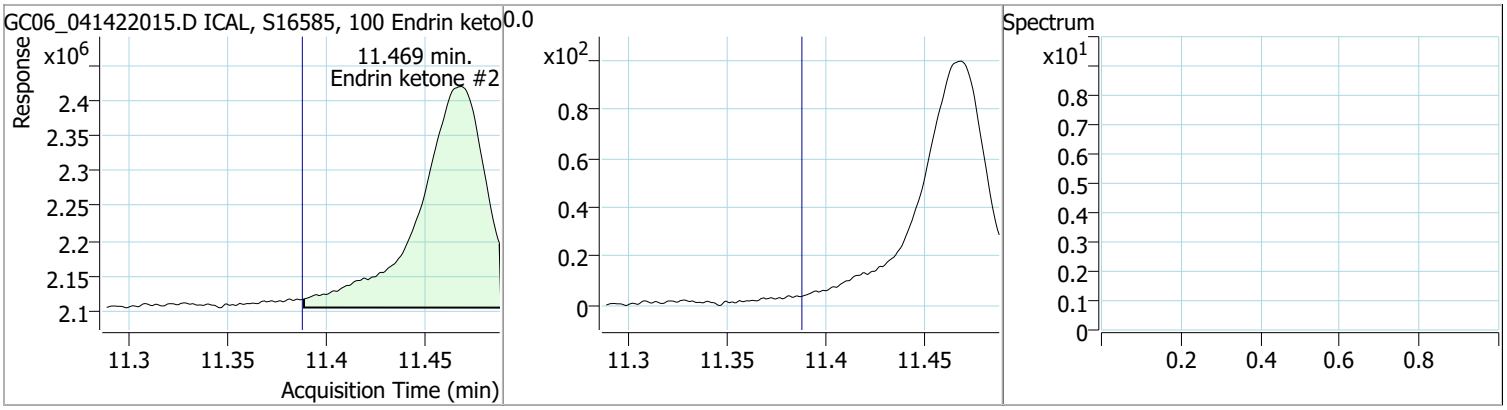
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	5.1590	11.07	-0.06	843779			



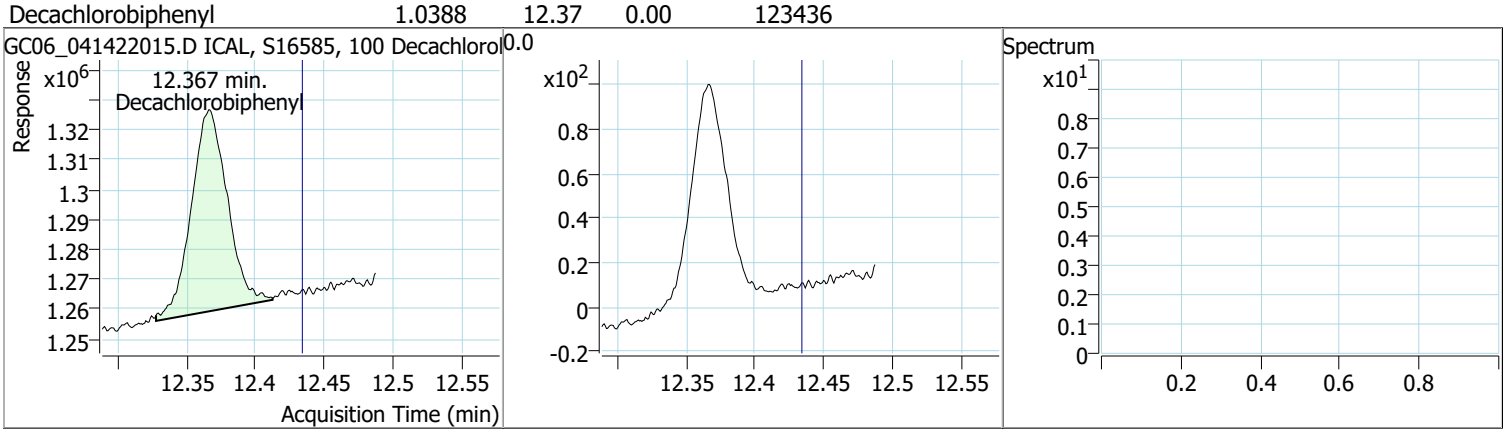
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	0.5089	11.21	0.00	48846		



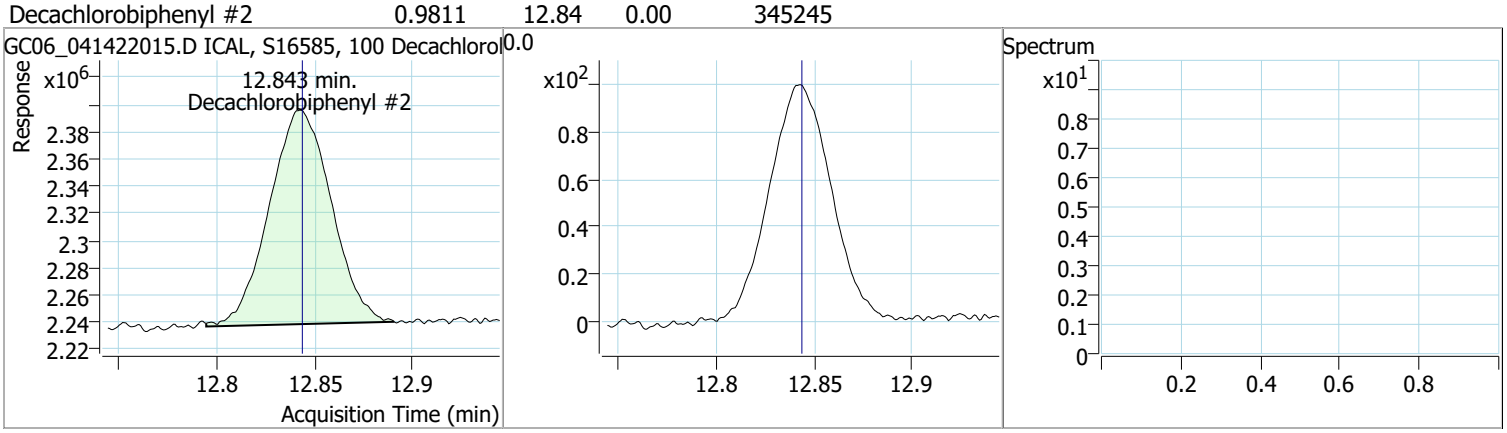
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	2.1658	11.47	0.08	729349		



Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	1.0388	12.37	0.00	123436		

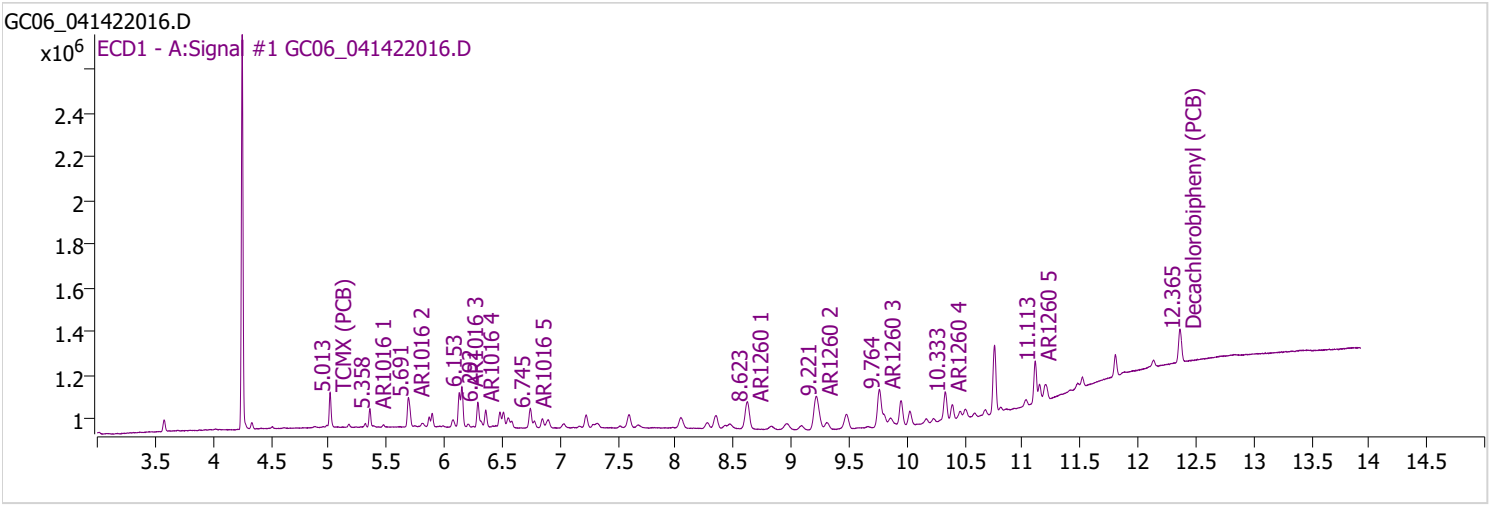


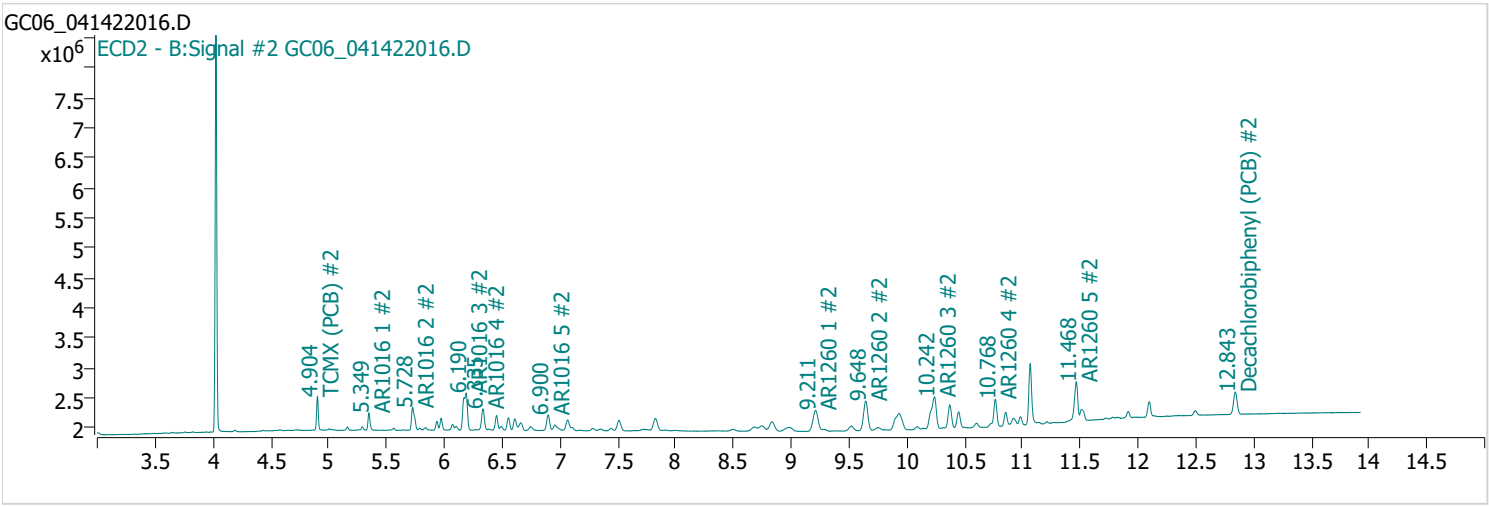
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	0.9811	12.84	0.00	345245		



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422016.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 6:58:47 PM
Sample Name	ICAL, S16585, 40	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 112	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



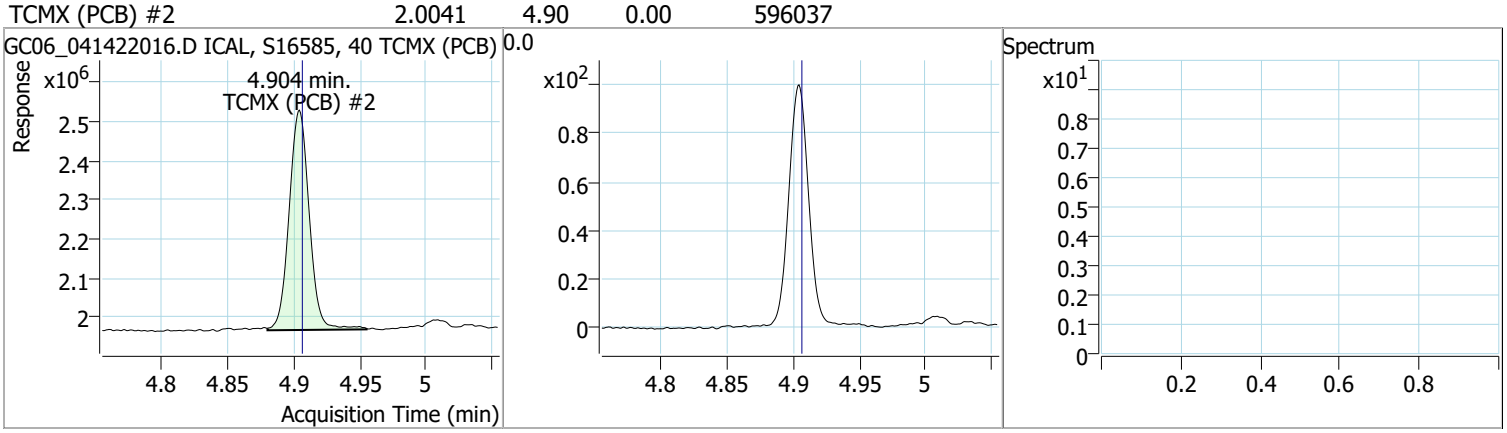


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.253	4.027	1831488	6493014	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.013	4.904	188695	596037	2.142	2.004	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	10.71% *	10.02% *	
S Decachlorobiphenyl (PCB)	12.365	12.843	290870	827447	2.089	2.112	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	10.44% *	10.56% *	
Target Compounds							
T AR1016 1	5.358	5.349	104021	377064	58.063	62.012	ng/ml
T AR1016 2	5.691	5.728	225209	695061	57.734	55.082	ng/ml
T AR1016 3	6.153	6.190	249063	930464 m	54.252	55.913	ng/ml
T AR1016 4	6.292	6.335	184253	603270	53.632	53.434	ng/ml
T AR1016 5	6.745	6.900	143229	478382	53.895	54.196	ng/ml
T AR1260 1	8.623	9.211	318657	1107150	55.286	56.339	ng/ml
T AR1260 2	9.221	9.648	492737	1253059	55.504	55.184	ng/ml
T AR1260 3	9.764	10.242	494318	1674833	53.563	54.290	ng/ml
T AR1260 4	10.333	10.768	248801	901025	54.208	53.975	ng/ml

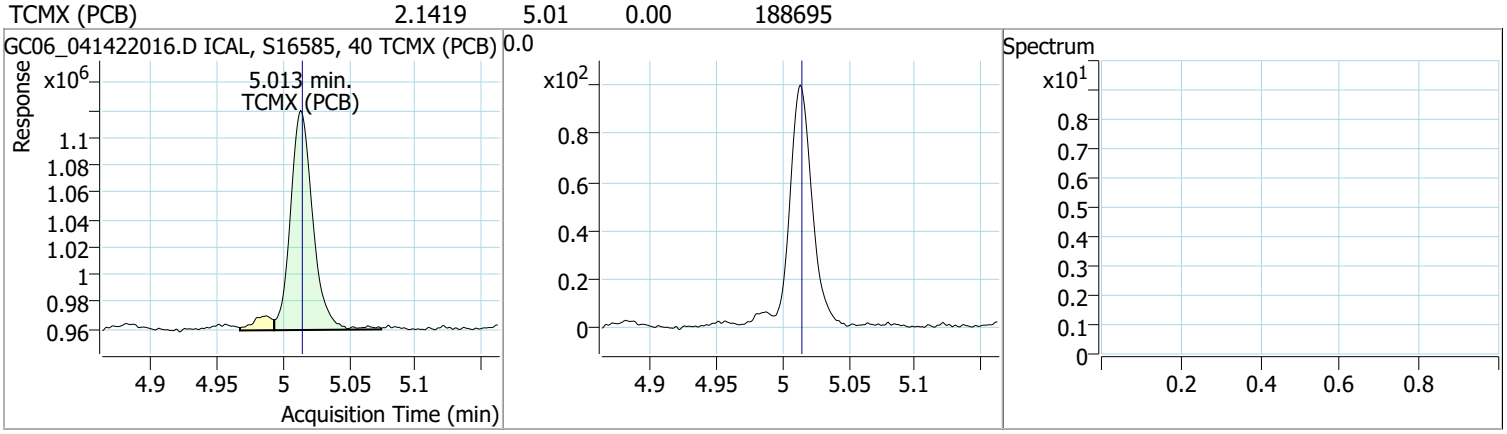
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.113	11.468	314669	1345193	51.800	54.657	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

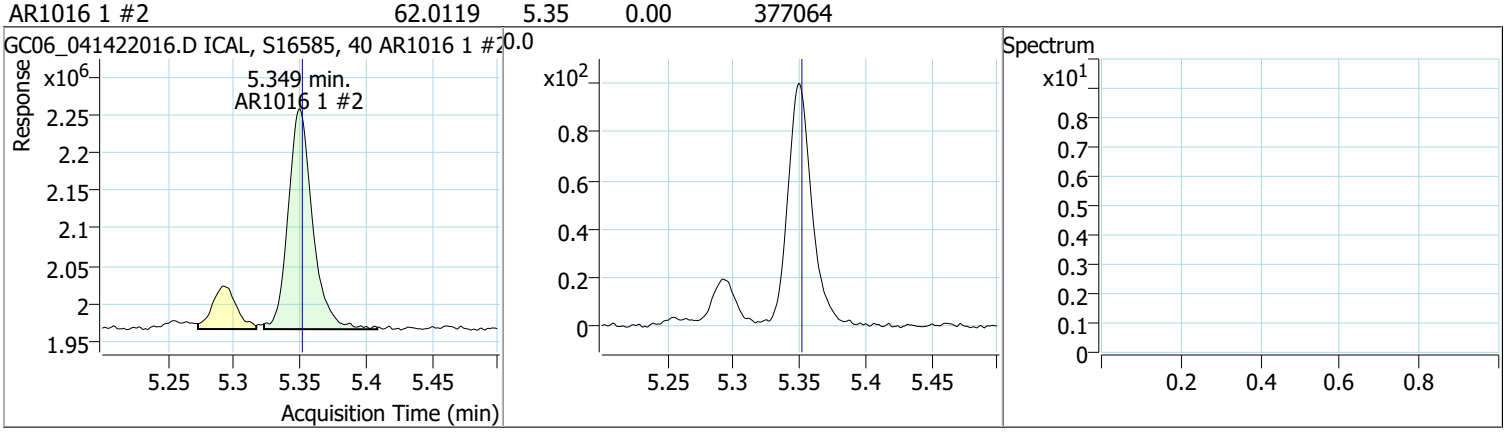
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	2.0041	4.90	0.00	596037			



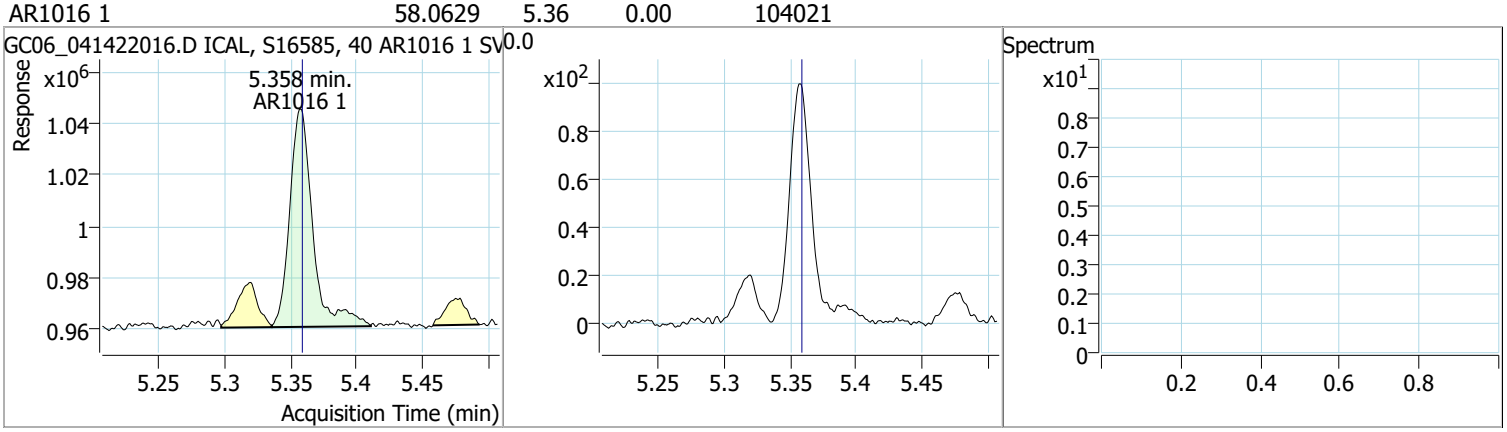
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	2.1419	5.01	0.00	188695			



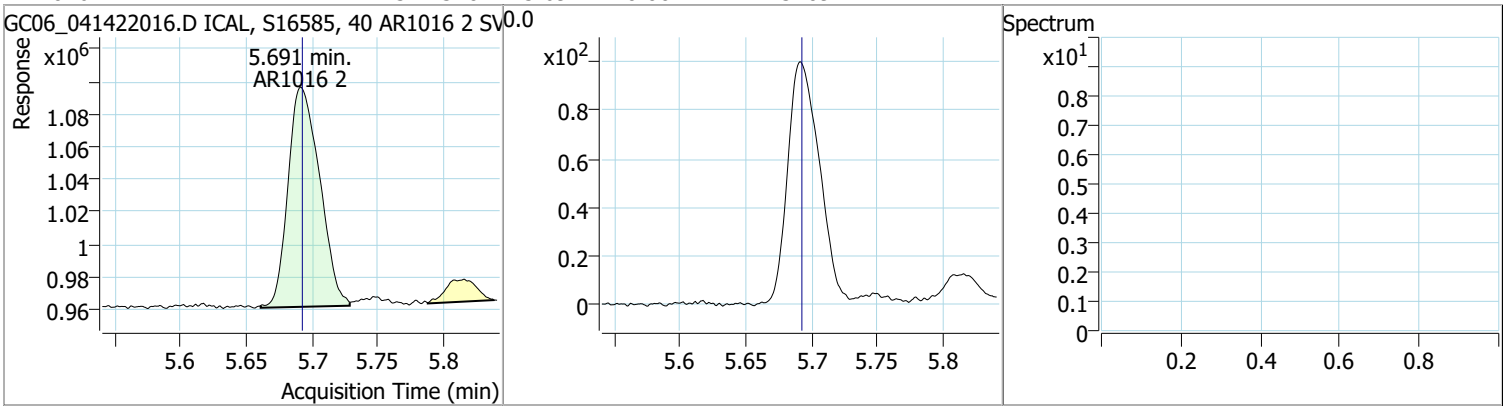
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	62.0119	5.35	0.00	377064			



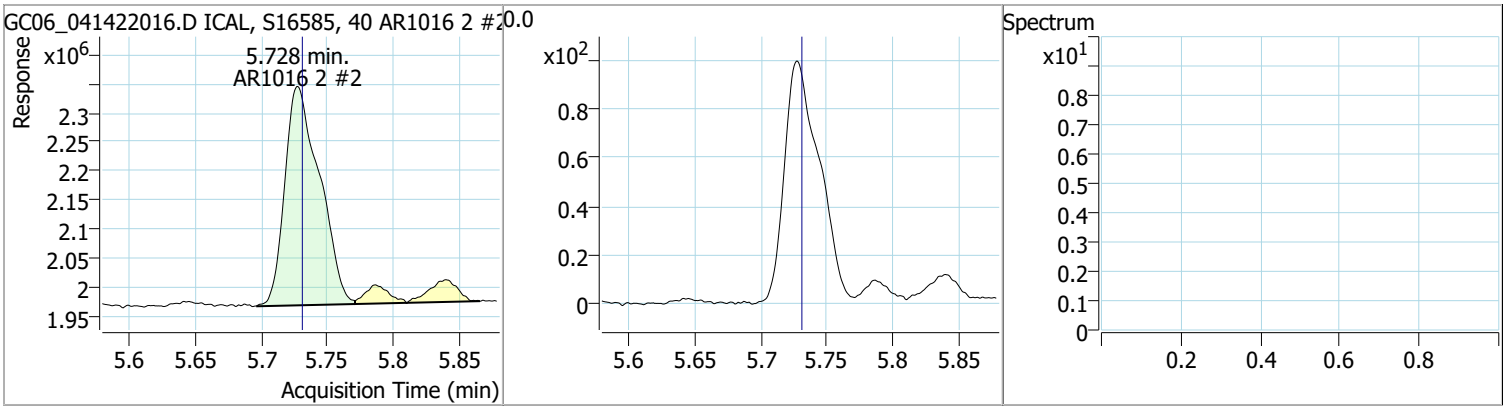
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	58.0629	5.36	0.00	104021			



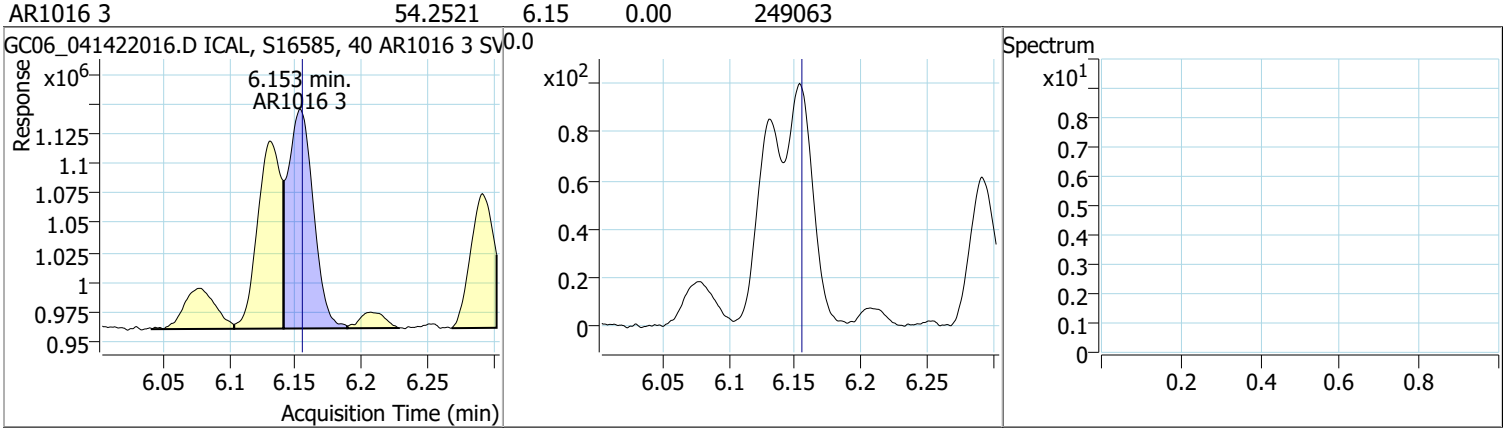
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	57.7340	5.69	0.00	225209			



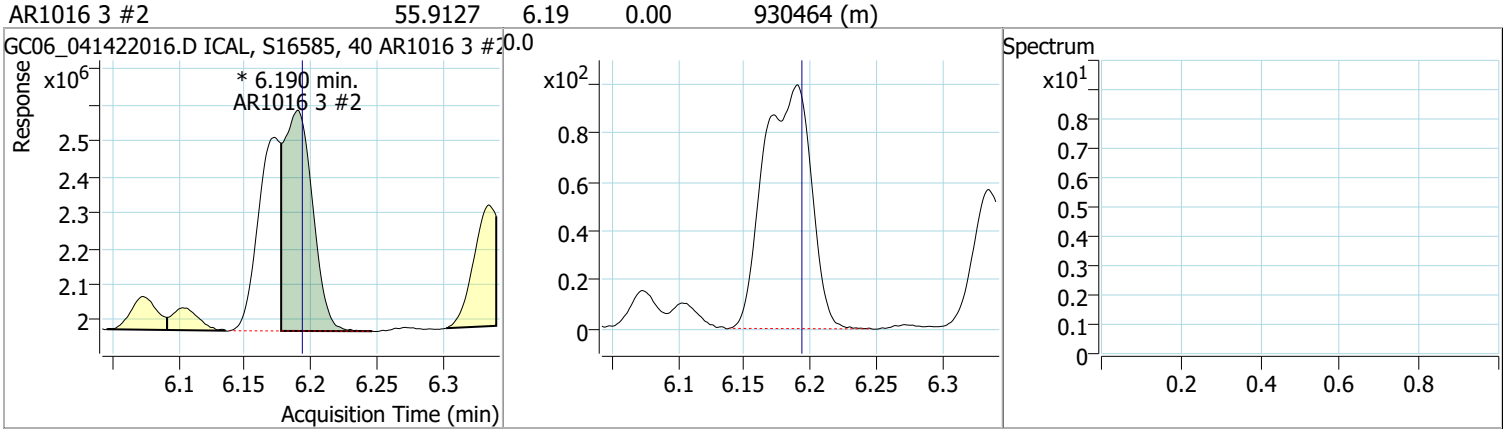
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	55.0824	5.73	0.00	695061			



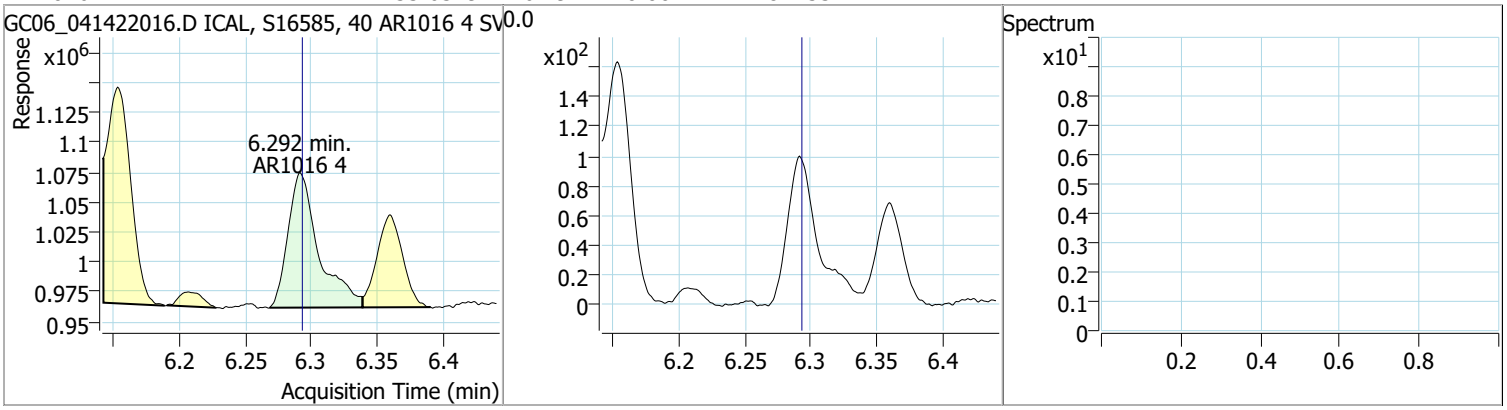
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	54.2521	6.15	0.00	249063			



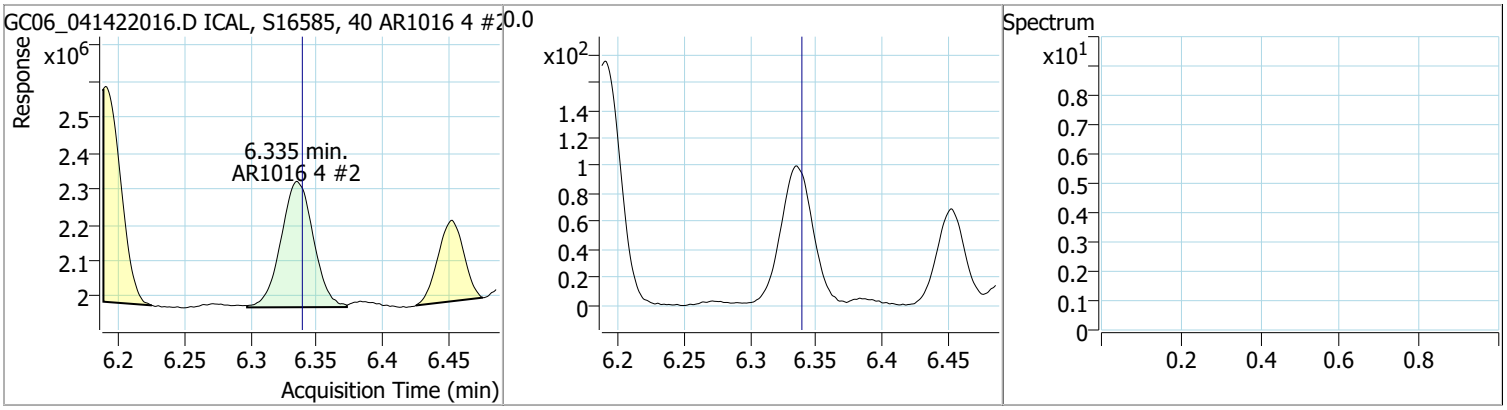
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	55.9127	6.19	0.00	930464 (m)			



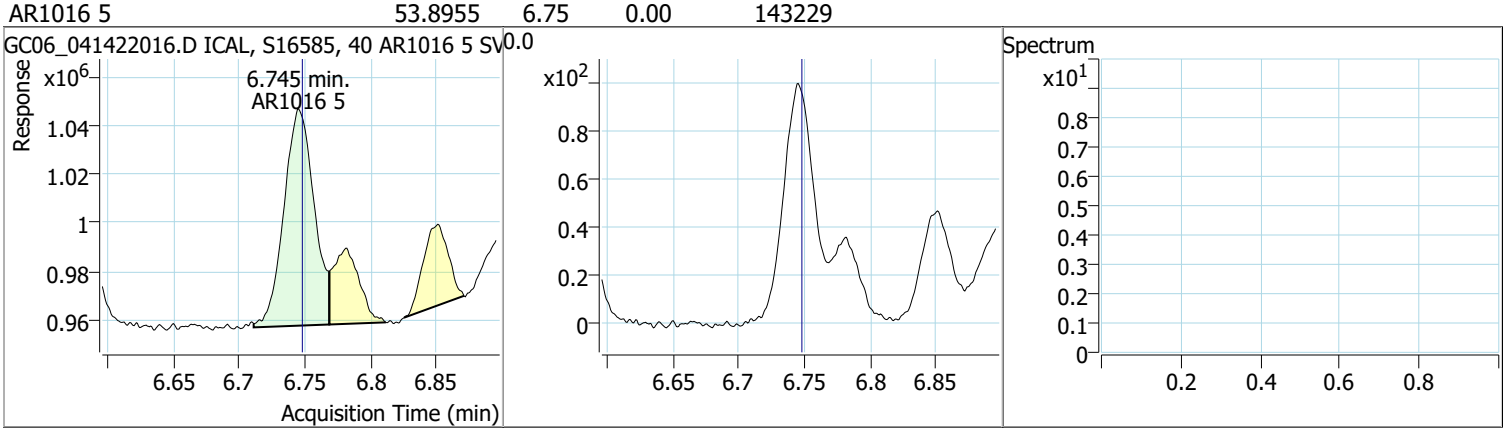
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	53.6319	6.29	0.00	184253			



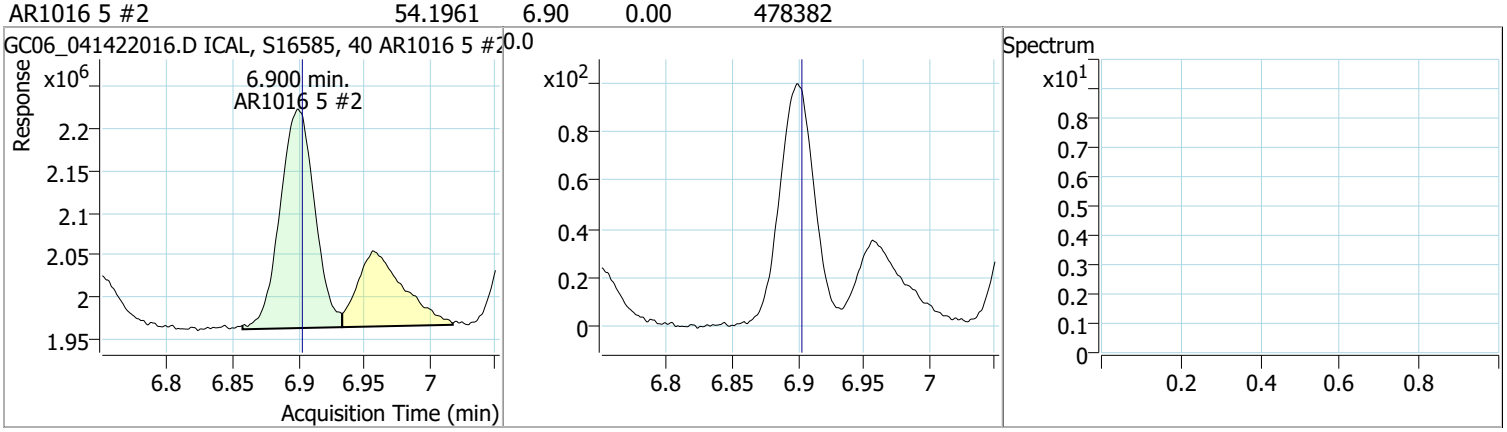
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	53.4336	6.34	0.00	603270			



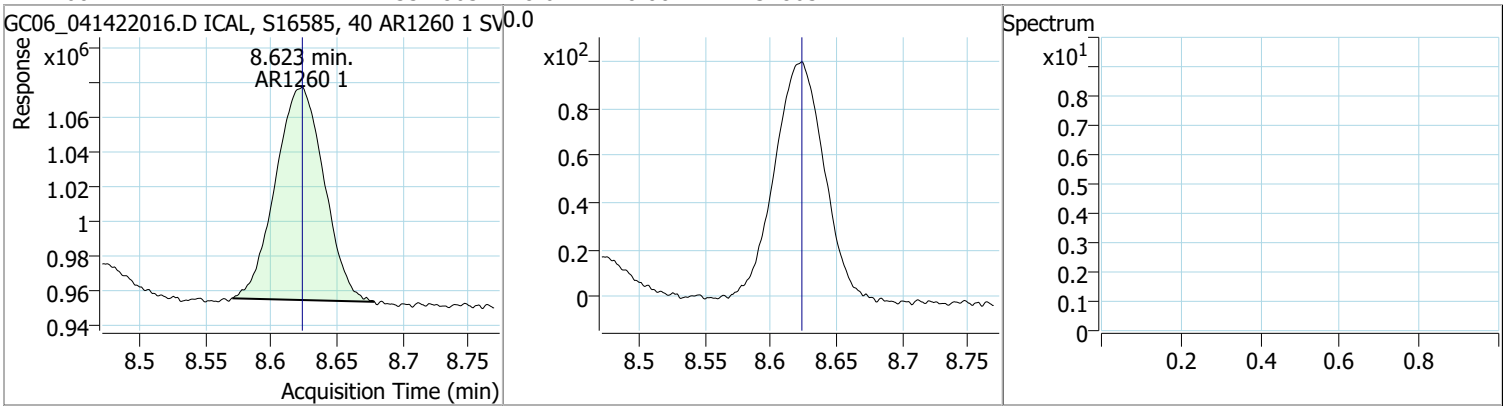
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	53.8955	6.75	0.00	143229			



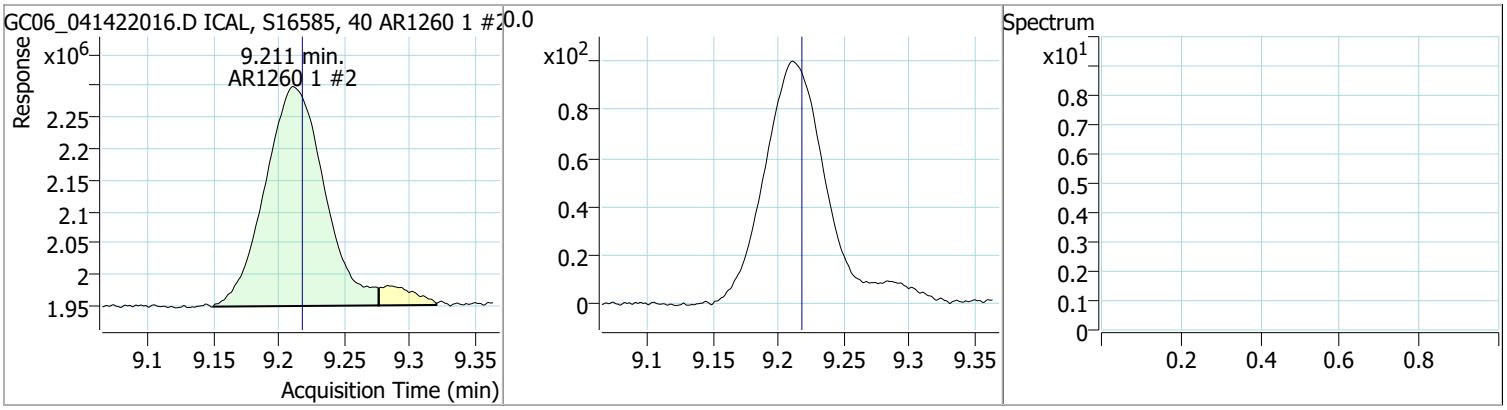
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	54.1961	6.90	0.00	478382			



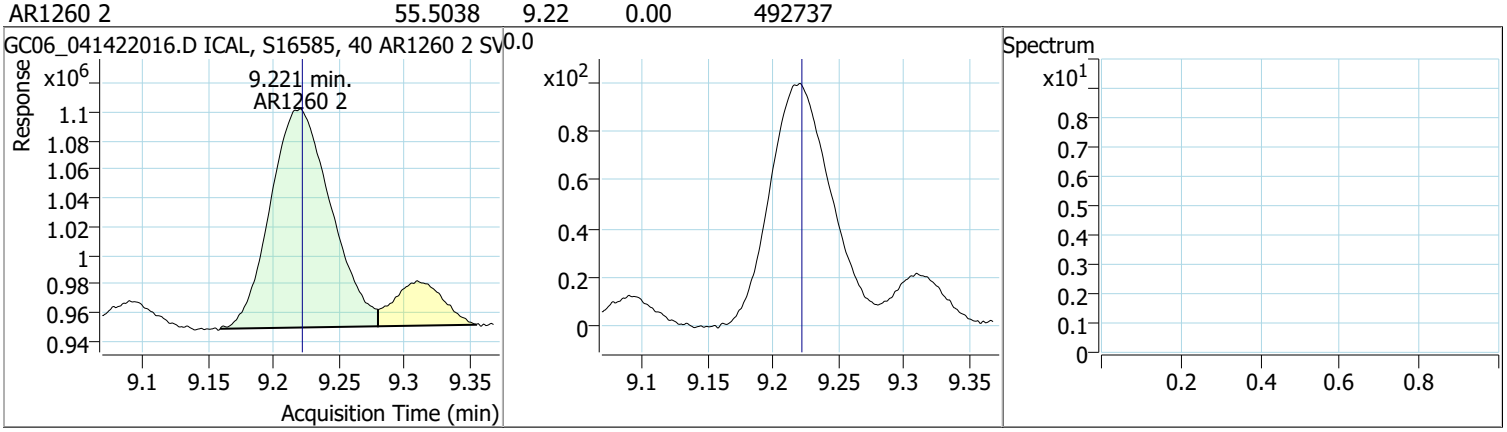
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	55.2863	8.62	0.00	318657			



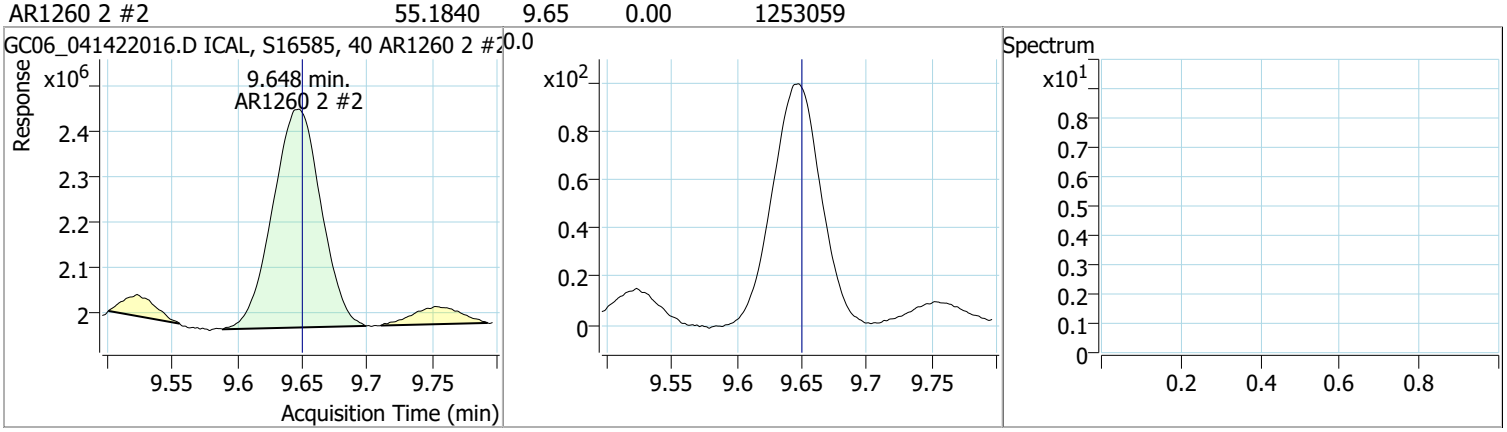
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	56.3386	9.21	0.00	1107150			



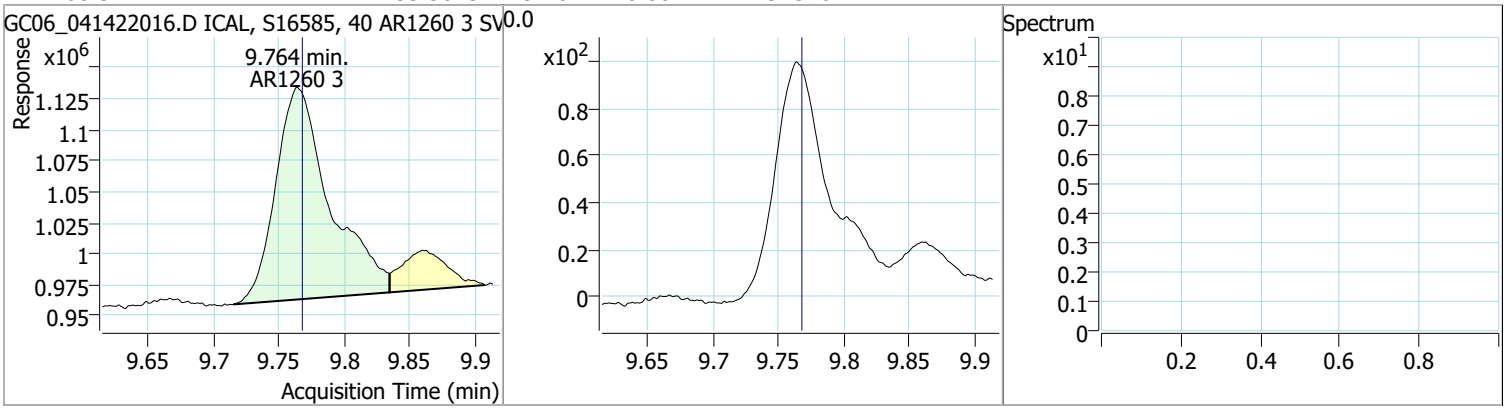
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	55.5038	9.22	0.00	492737			



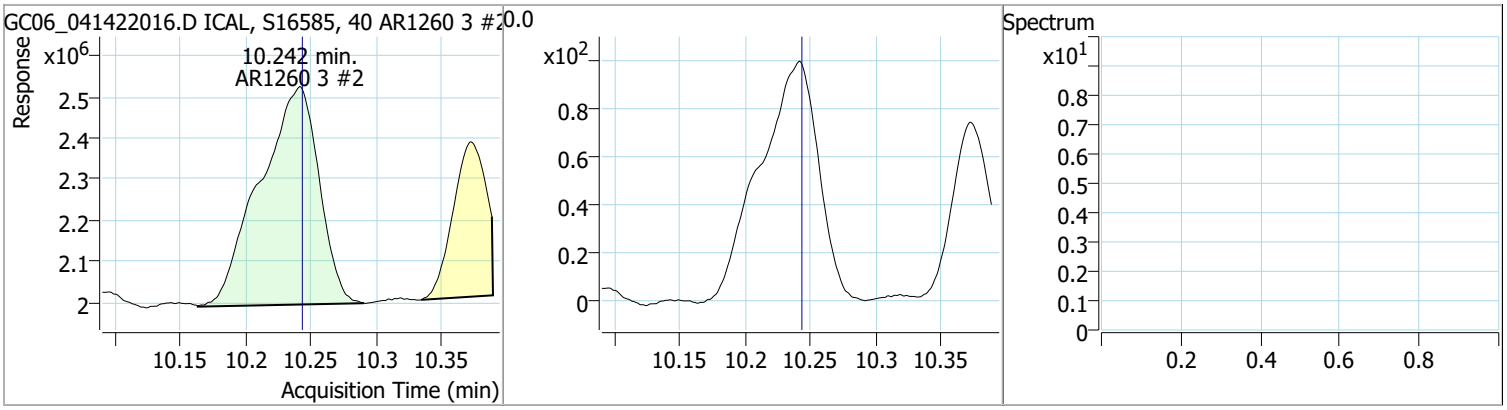
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	55.1840	9.65	0.00	1253059			



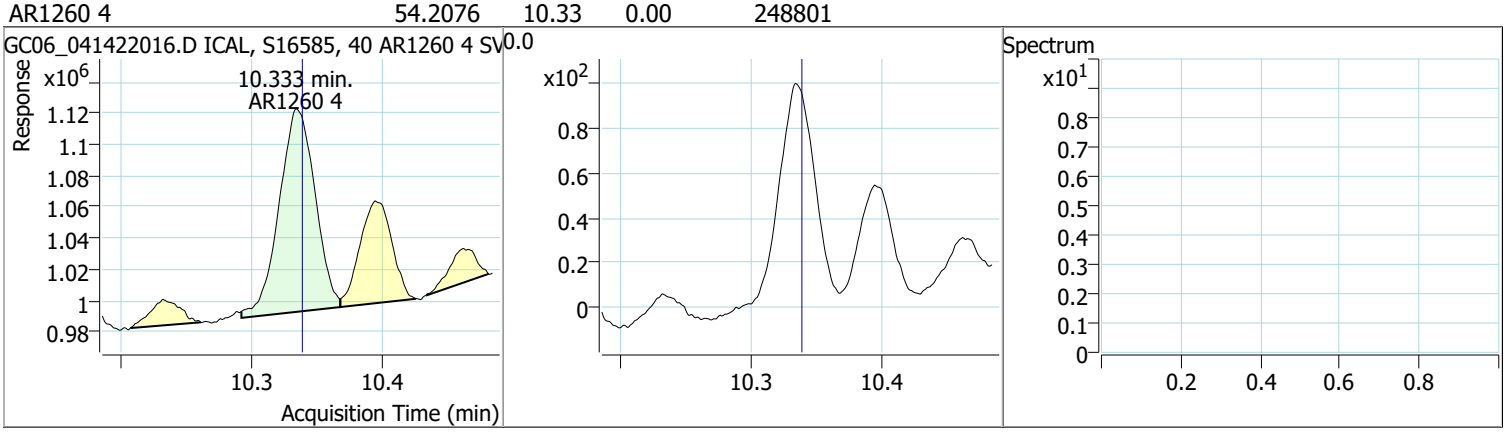
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	53.5625	9.76	0.00	494318			



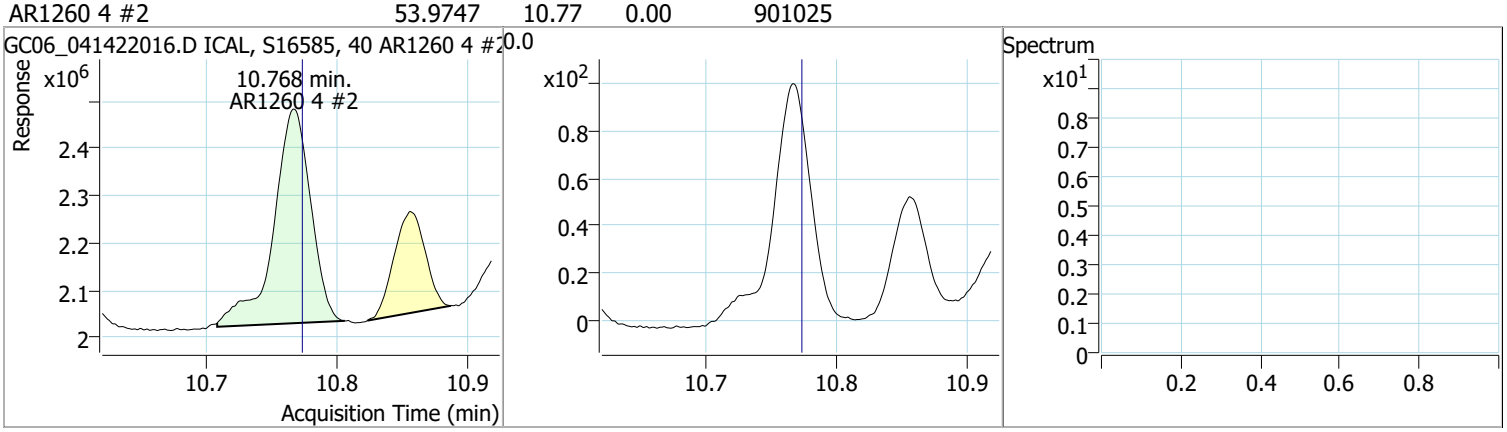
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	54.2896	10.24	0.00	1674833			



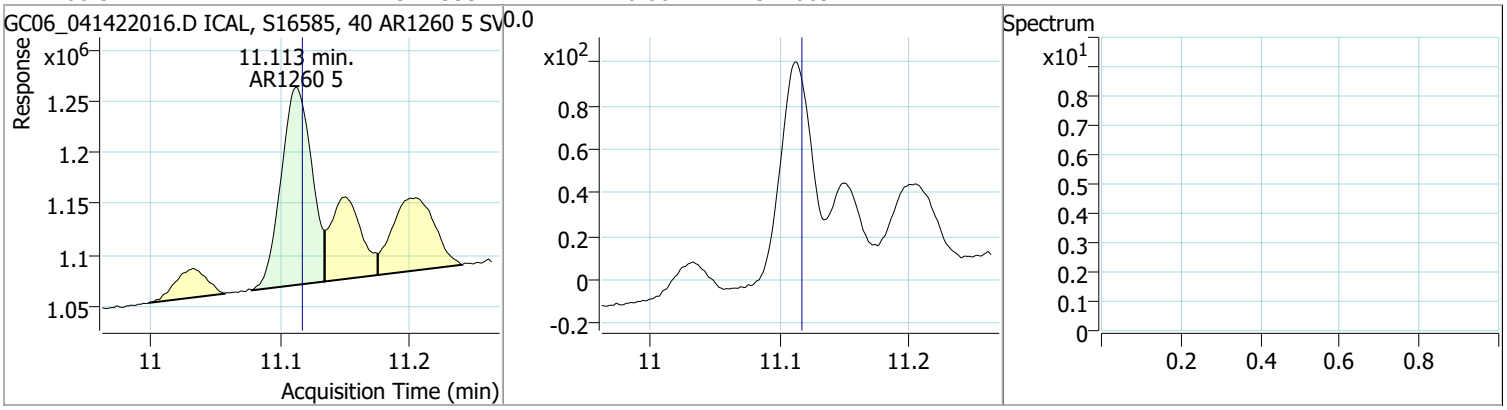
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	54.2076	10.33	0.00	248801			



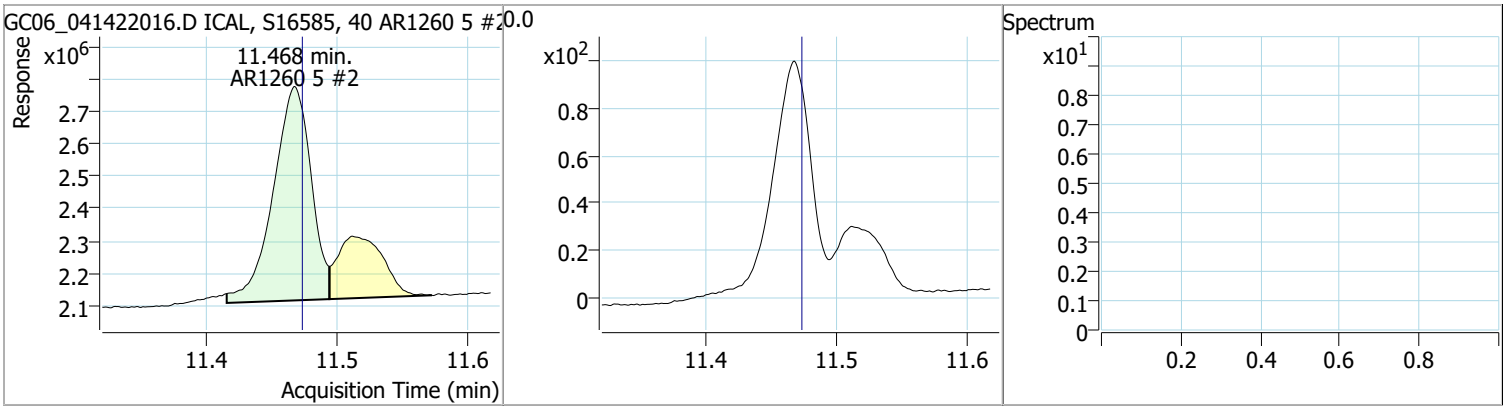
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	53.9747	10.77	0.00	901025			



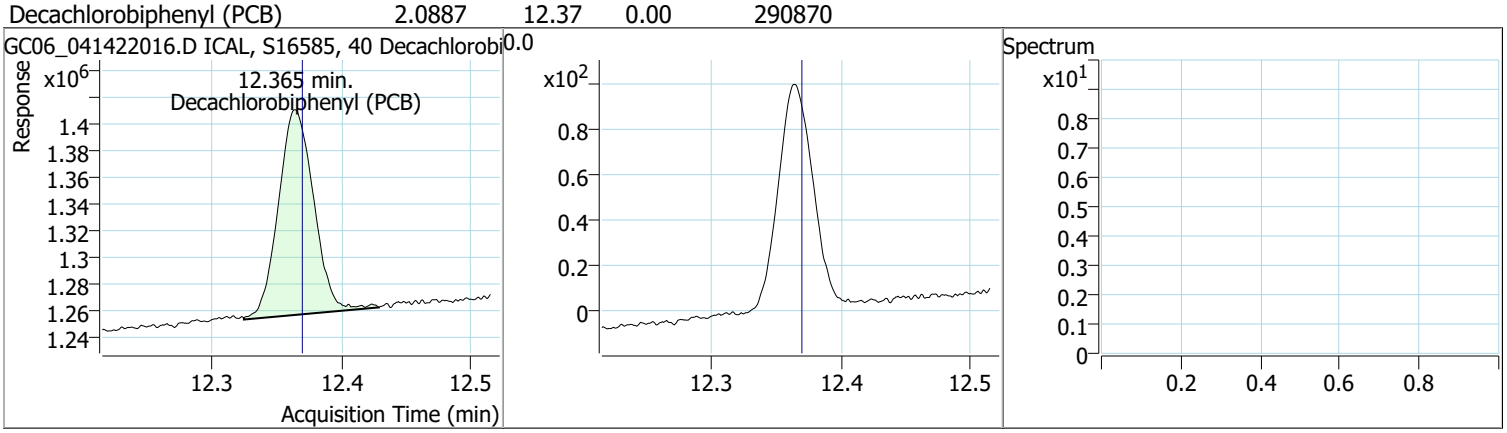
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	51.7999	11.11	0.00	314669			



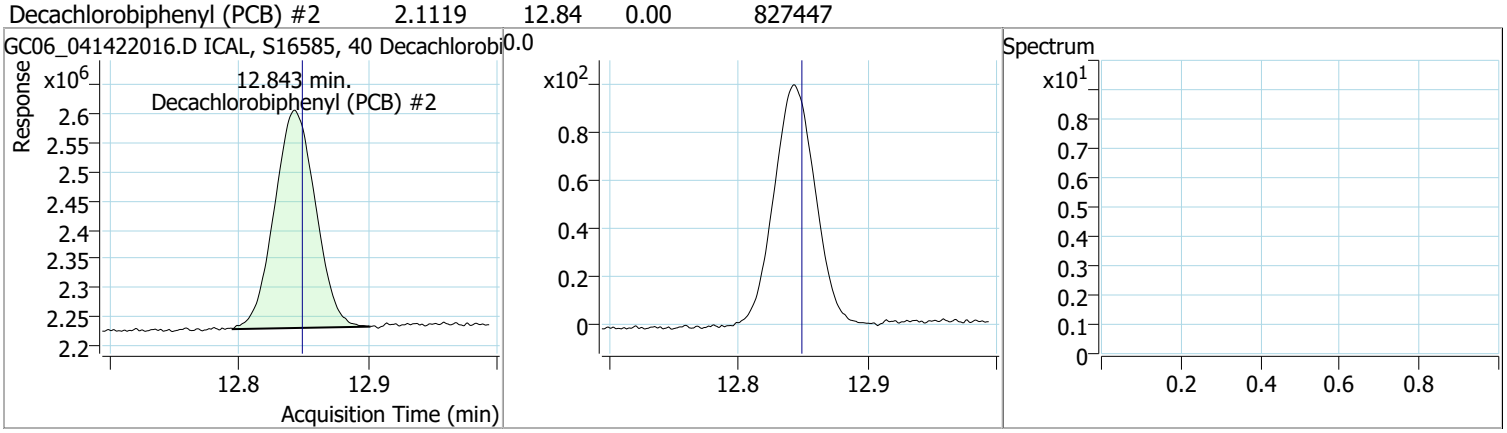
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	54.6566	11.47	0.00	1345193			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	2.0887	12.37	0.00	290870			

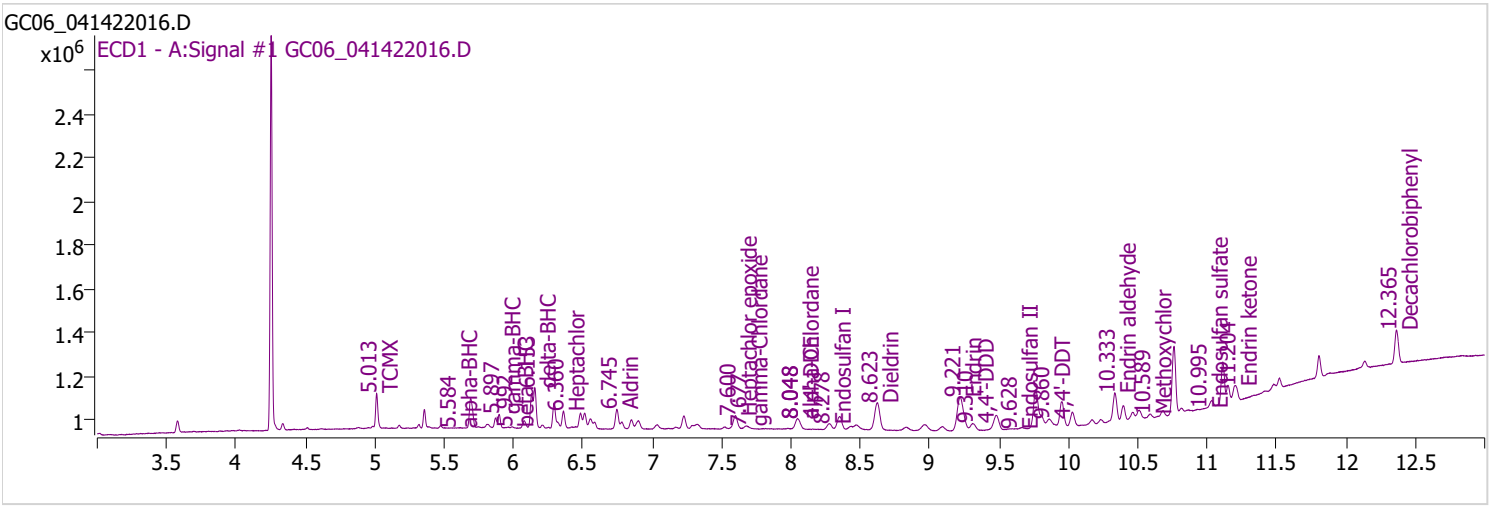


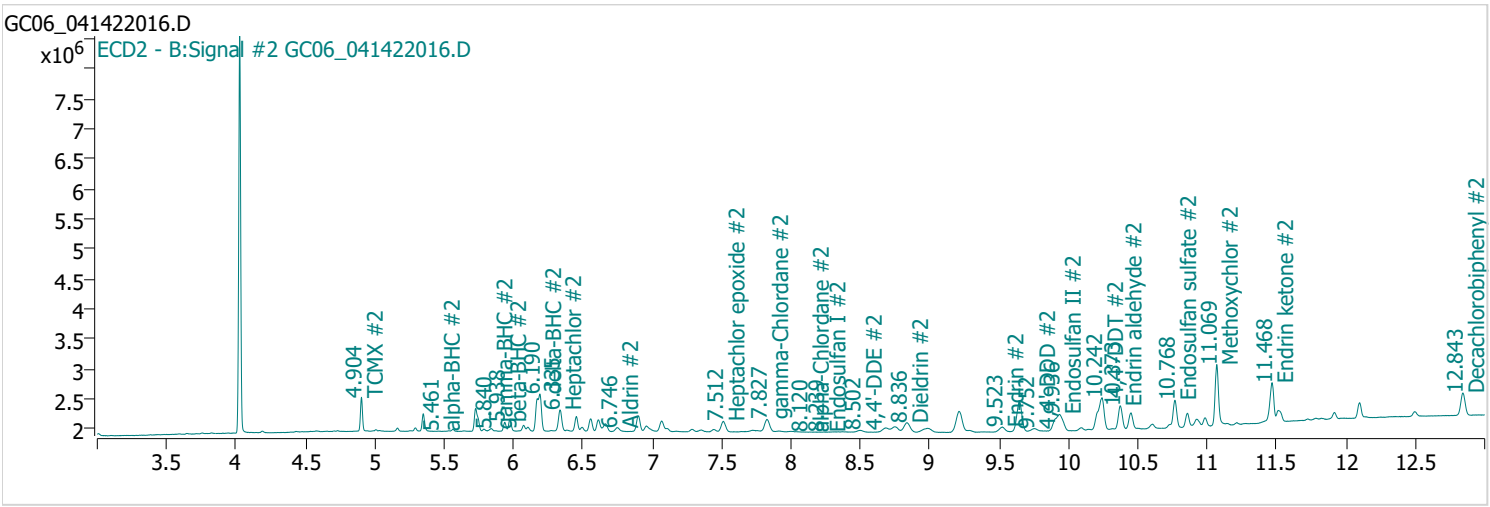
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	2.1119	12.84	0.00	827447			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422016.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 6:58:47 PM
Sample Name	ICAL, S16585, 40	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 112	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 7:13:01 PM



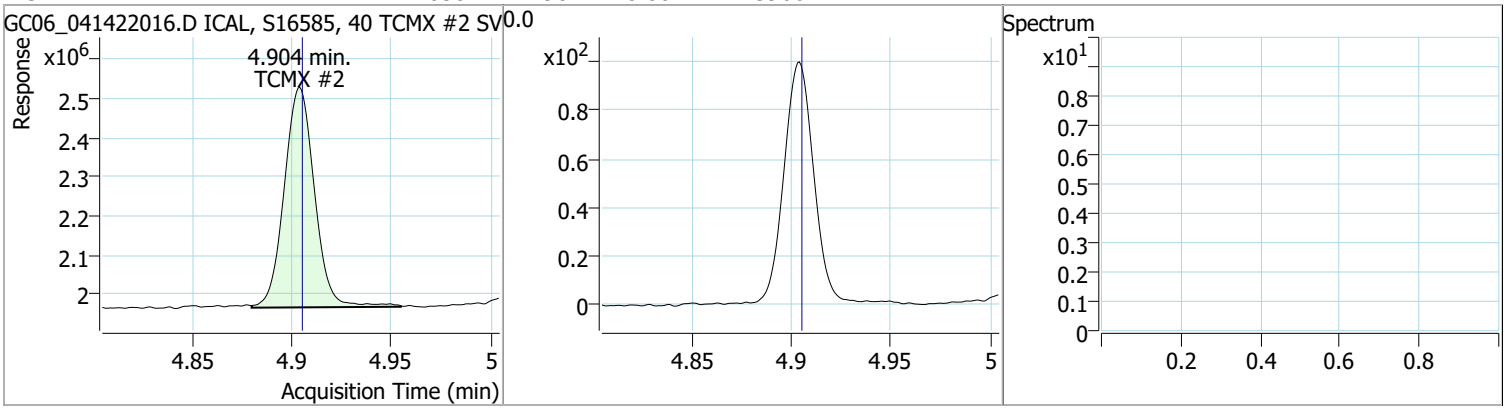


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.253	4.027	1822294	6484704	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.013	4.904	188116	596647	2.204	2.106	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	11.02% *	10.53% *	
S Decachlorobiphenyl	12.365	12.843	283103	834130	2.275	2.285	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	11.37% *	11.43% *	
Target Compounds							
T alpha-BHC	5.584	5.461	708	2319	0.008	0.007	ng/ml
T gamma-BHC	5.897	5.840	73017	55872	0.806	0.175 #	ng/ml
T beta-BHC	5.992	5.938	7952	186145	0.179	1.112 #	ng/ml
T delta-BHC	6.153	6.190	242664	1556060	2.302	3.430 #	ng/ml
T Heptachlor	6.360	6.335	88833	603712	0.950	1.636 #	ng/ml
T Aldrin	6.745	6.746	142118	137298	1.492	0.406 #	ng/ml
T Heptachlor epoxide	7.600	7.512	143946	366575	1.539	1.147 #	ng/ml
T gamma-Chlordane	7.677	7.827	30443	479154	0.366	1.393 #	ng/ml
T alpha-Chlordane	8.048	8.120	75417	591	0.904	0.002 #	ng/ml

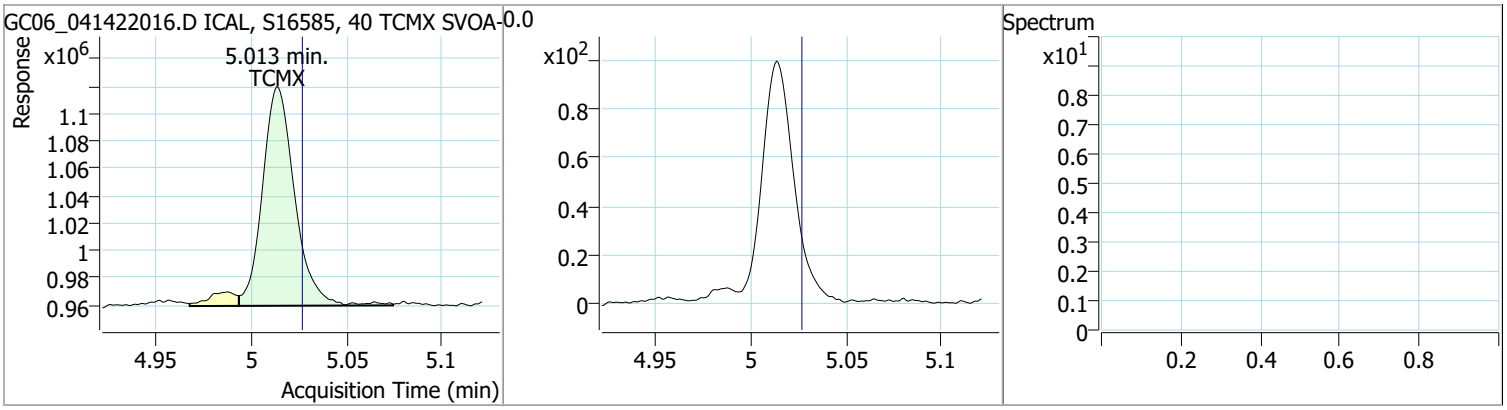
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.278	8.239	52820	1065	0.697	0.004 #	ng/ml
T 4,4'-DDE	8.048	8.502 f	118558	65903	1.470	0.255 #	ng/ml
T Dieldrin	8.623	8.836	332902	394595	3.501	1.342 #	ng/ml
T Endrin	9.221	9.523	462827	232946	4.953	0.883 #	ng/ml
T 4,4'-DDD	9.310	9.752	55130	116696	0.920	0.504 #	ng/ml
T Endosulfan II	9.628	9.936 f	2270	1133452	0.028	3.606 #	ng/ml
T 4,4'-DDT	9.860	10.242	67862	1655756	0.920	4.976 #	ng/ml
T Endrin aldehyde	10.333	10.373	232828	757302	3.588	3.290	ng/ml
T Endosulfan sulfate	10.995	10.768	30661	930538	0.434	3.519 #	ng/ml
T Methoxychlor	10.589	11.069 f	26977	1780926	0.611	11.189 #	ng/ml
T Endrin ketone	11.204	11.468 f	117079	1363092	1.278	3.969 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

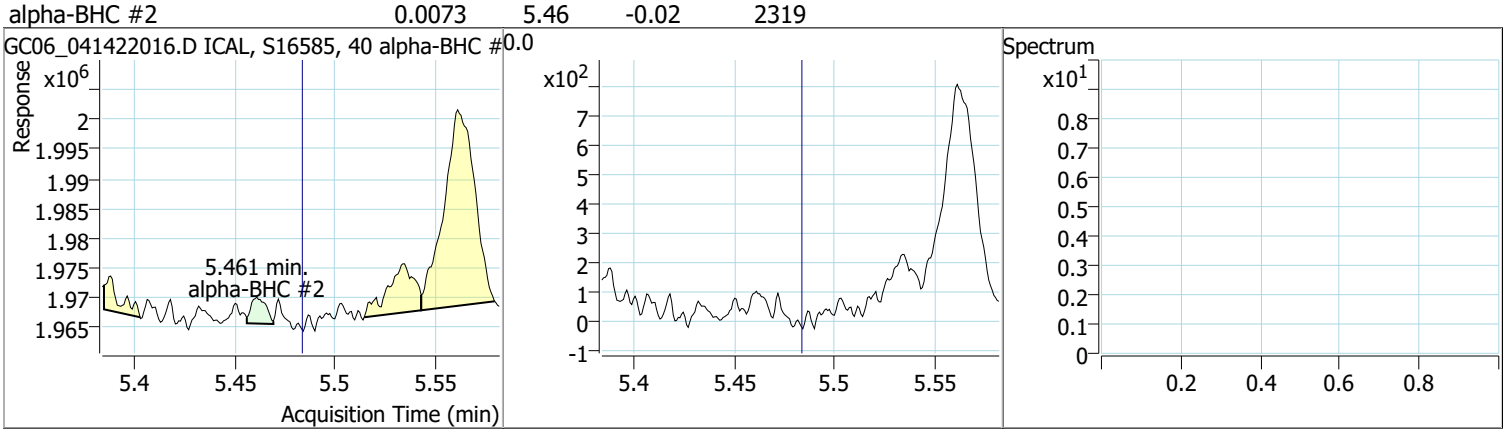
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	2.1058	4.90	0.00	596647			



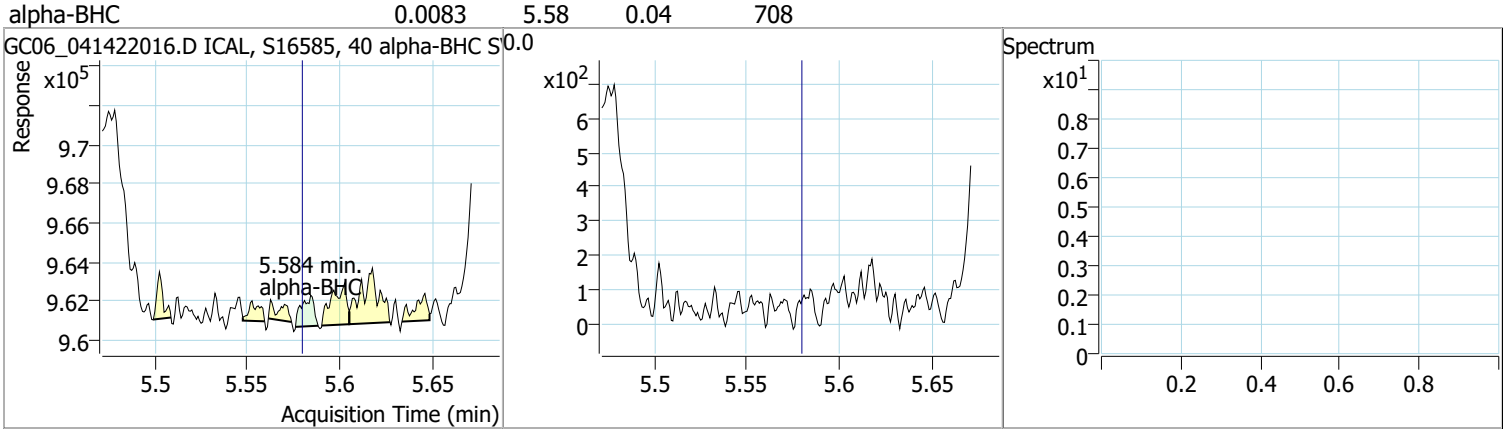
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	2.2038	5.01	0.02	188116			



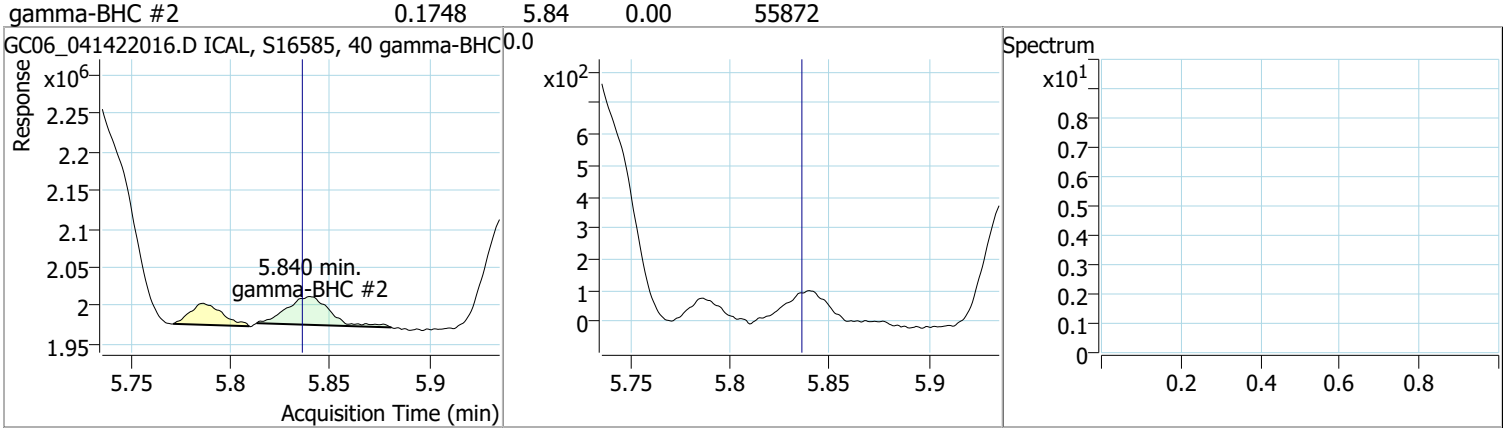
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	0.0073	5.46	-0.02	2319			



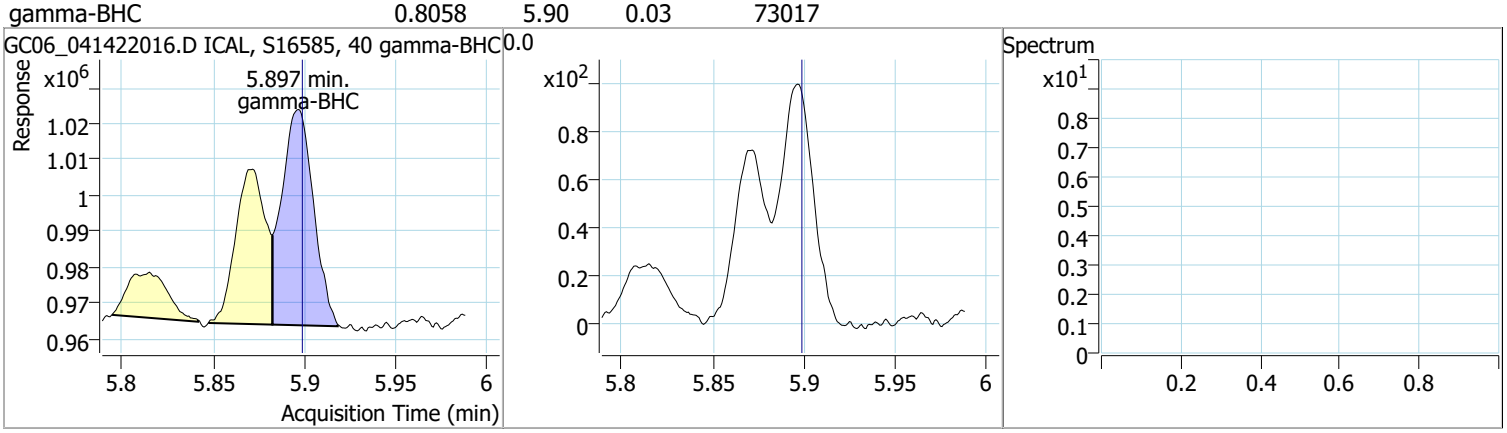
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC	0.0083	5.58	0.04	708			



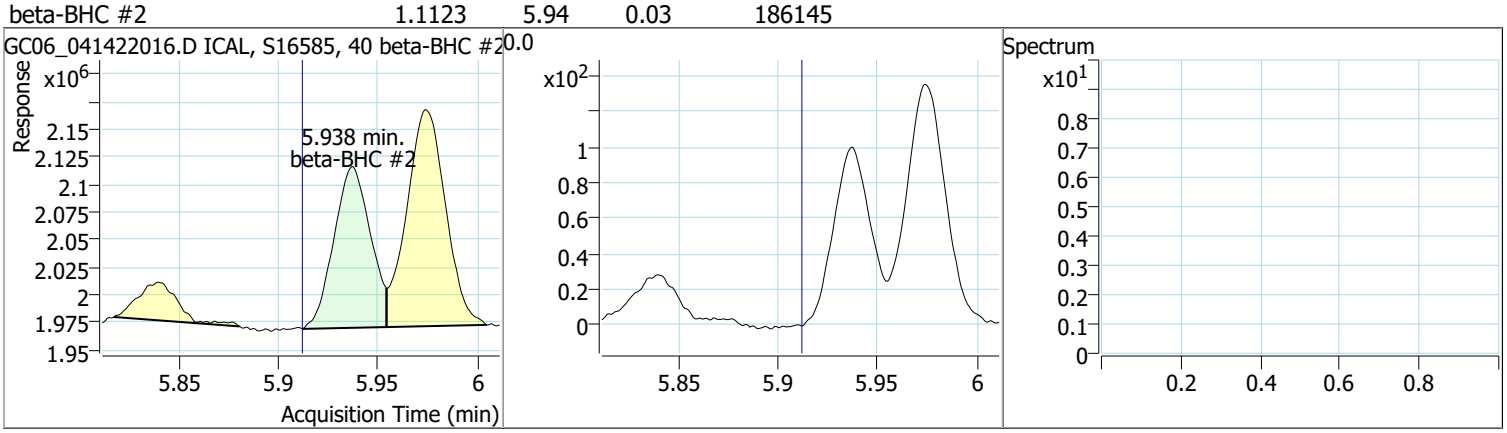
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	0.1748	5.84	0.00	55872		



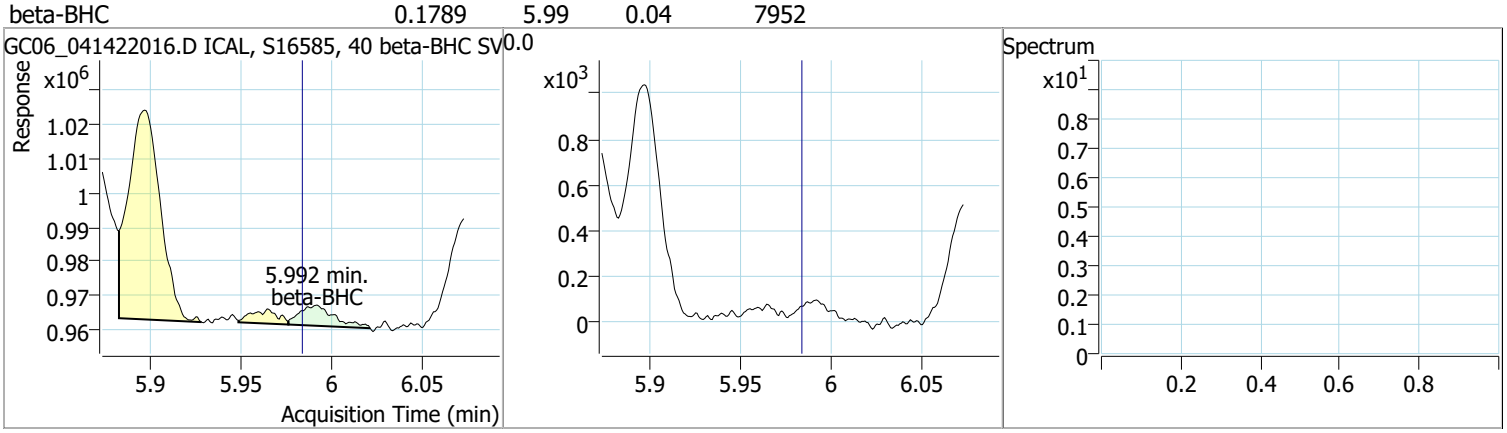
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	0.8058	5.90	0.03	73017		



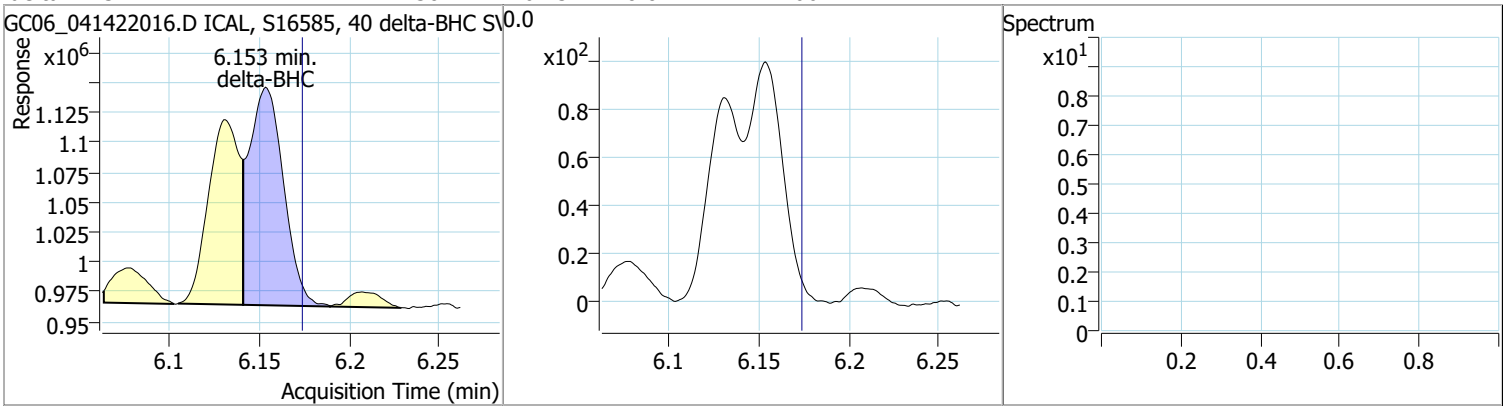
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	1.1123	5.94	0.03	186145		



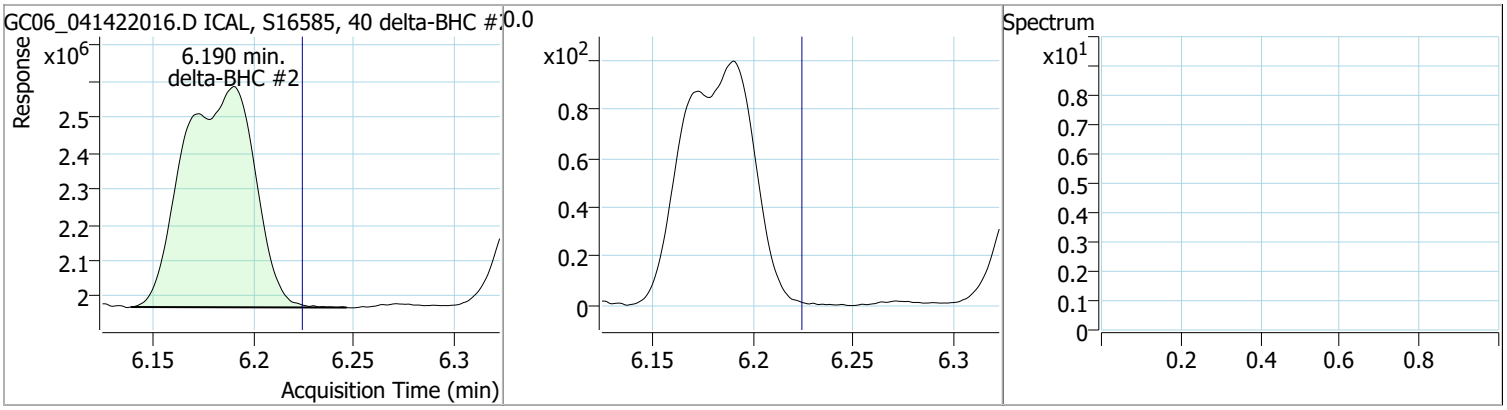
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
beta-BHC	0.1789	5.99	0.04	7952		



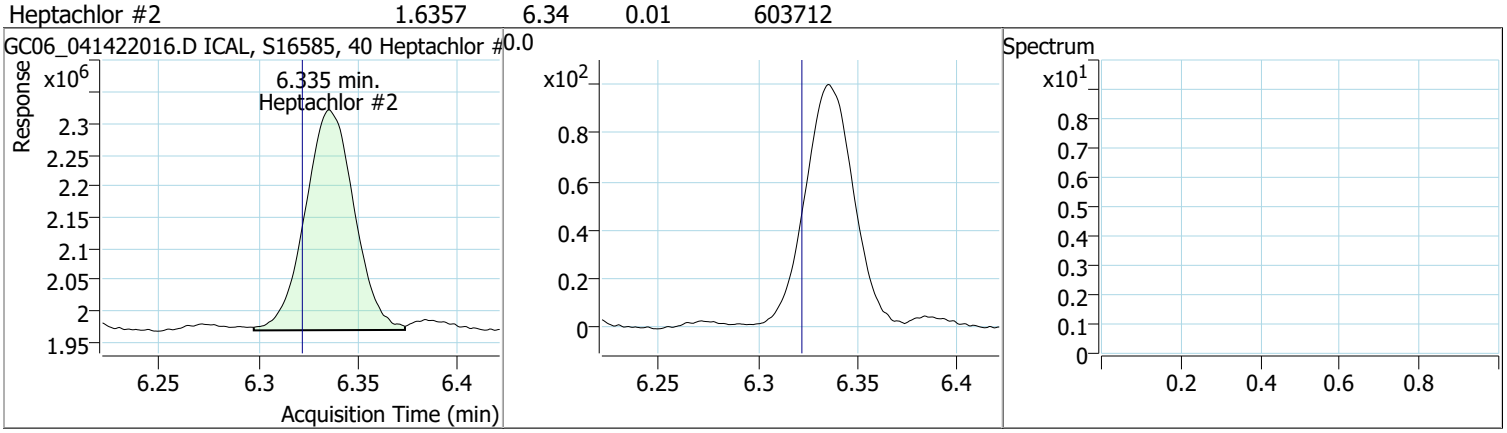
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	2.3017	6.15	0.01	242664			



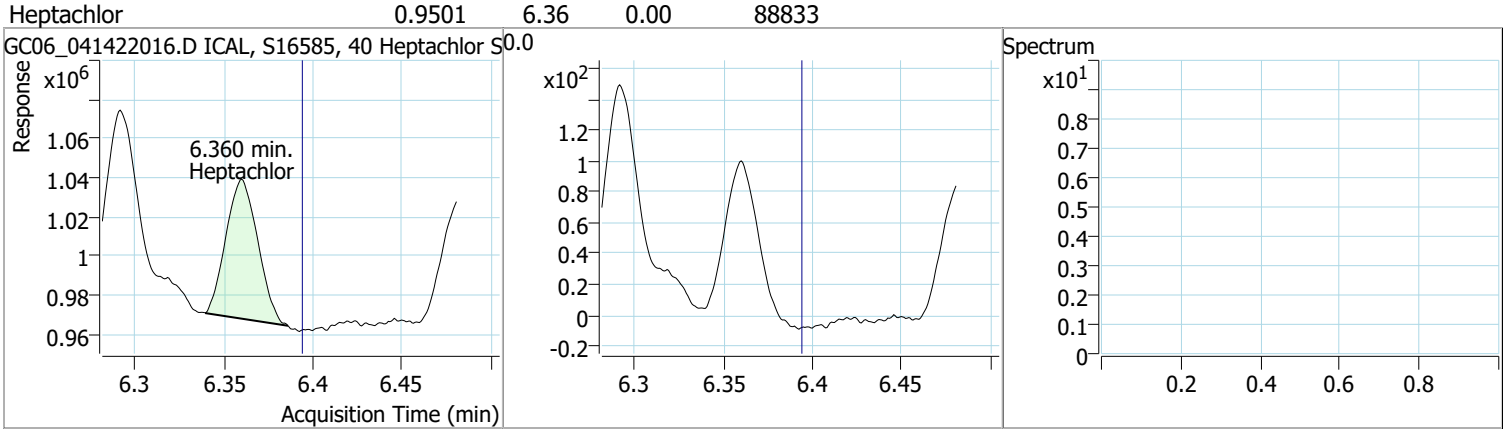
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	3.4300	6.19	-0.03	1556060			



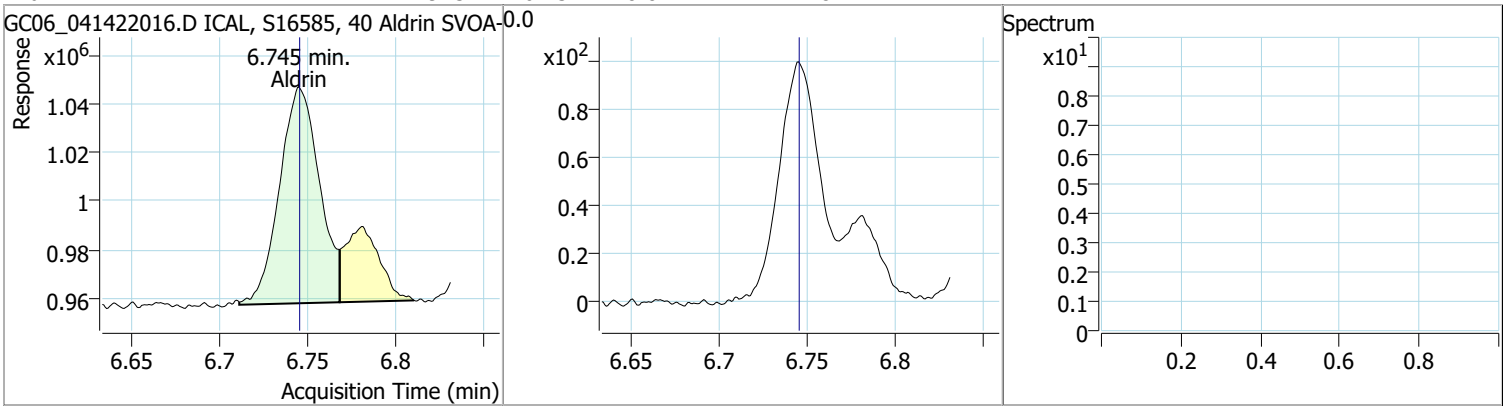
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	1.6357	6.34	0.01	603712			



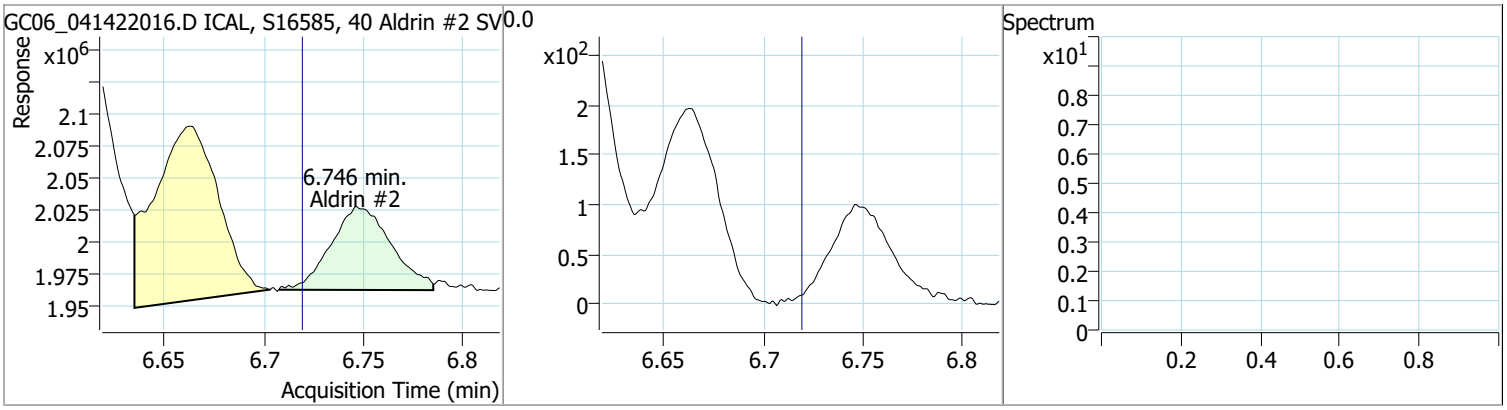
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	0.9501	6.36	0.00	88833			



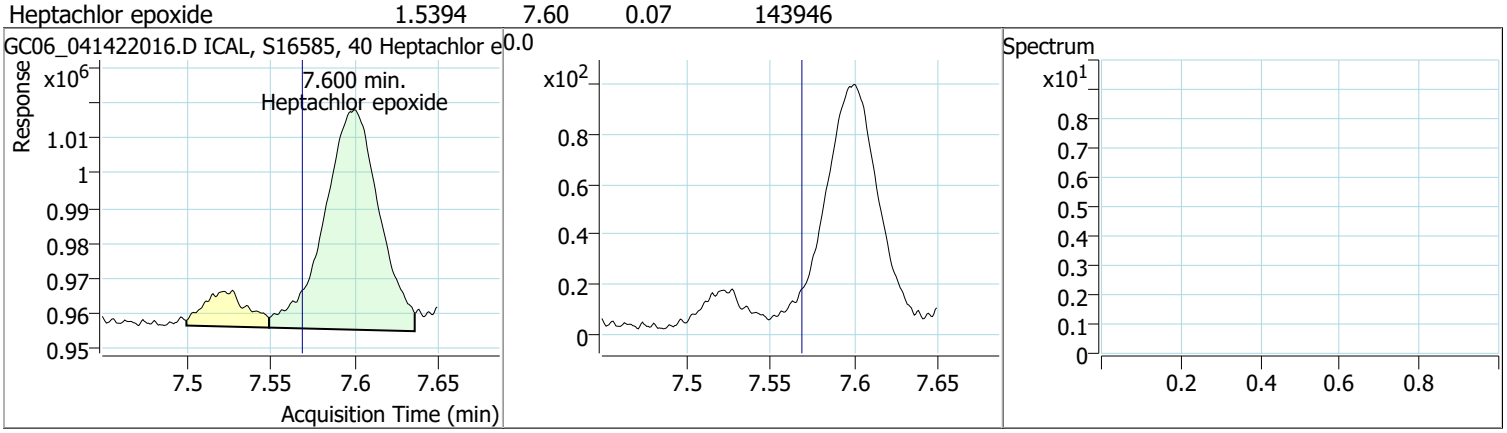
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	1.4925	6.75	0.04	142118			



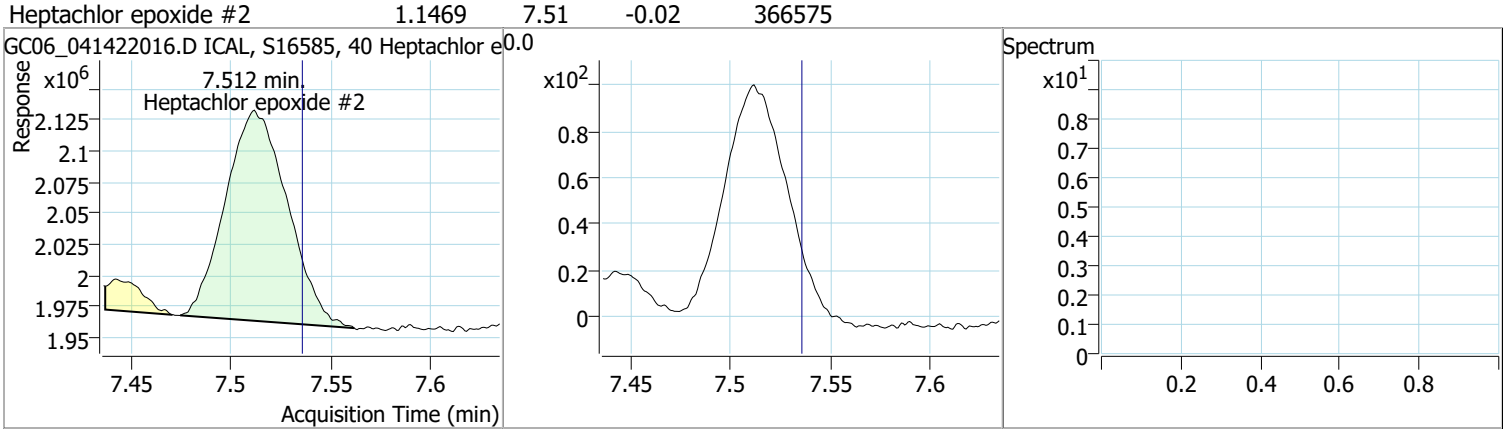
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	0.4062	6.75	0.03	137298			



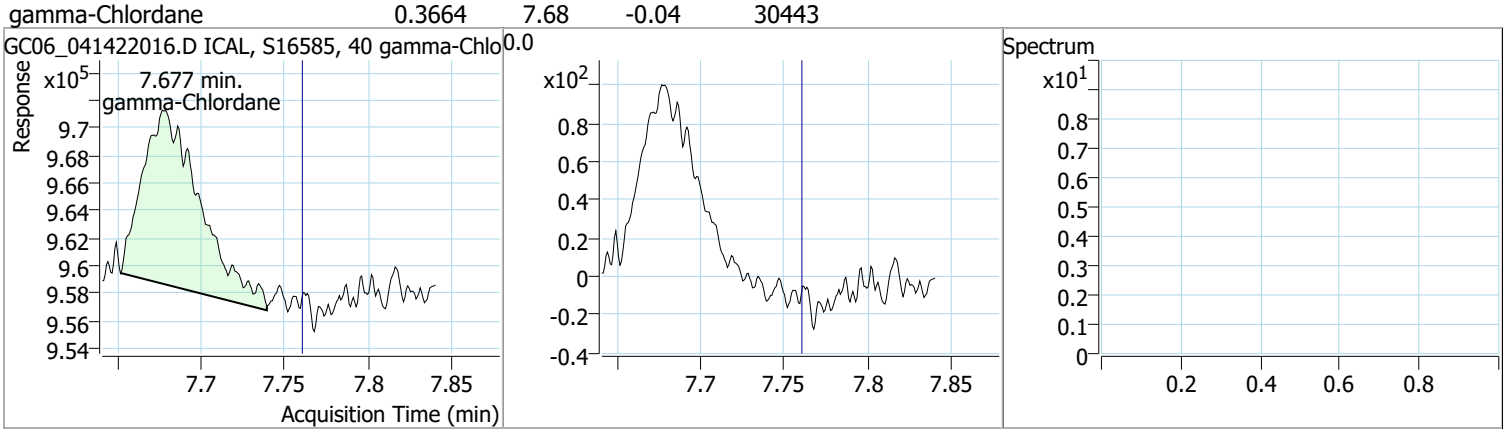
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	1.5394	7.60	0.07	143946			



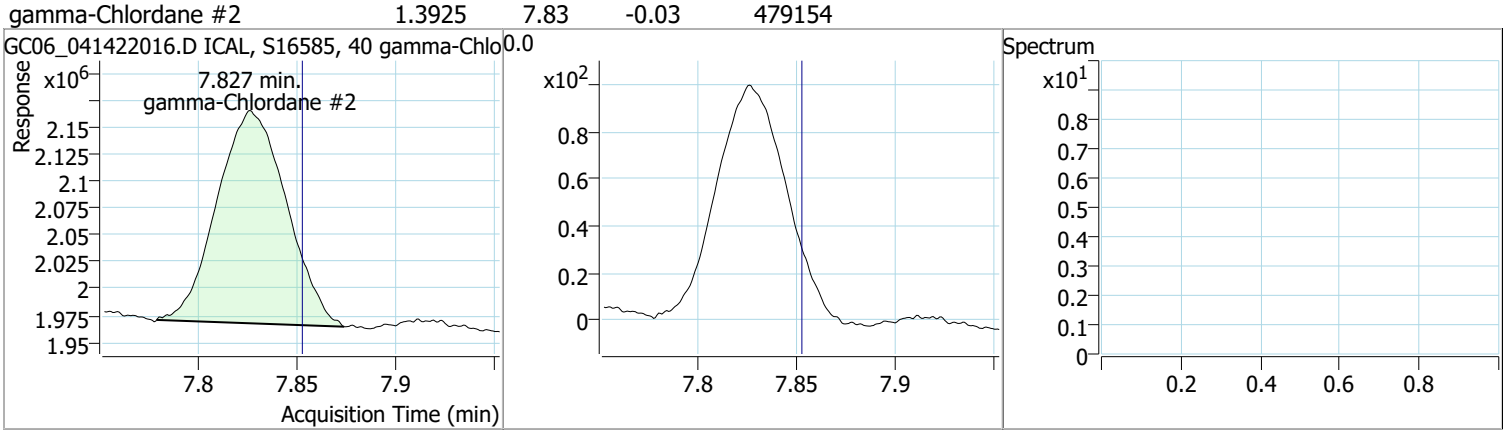
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	1.1469	7.51	-0.02	366575			



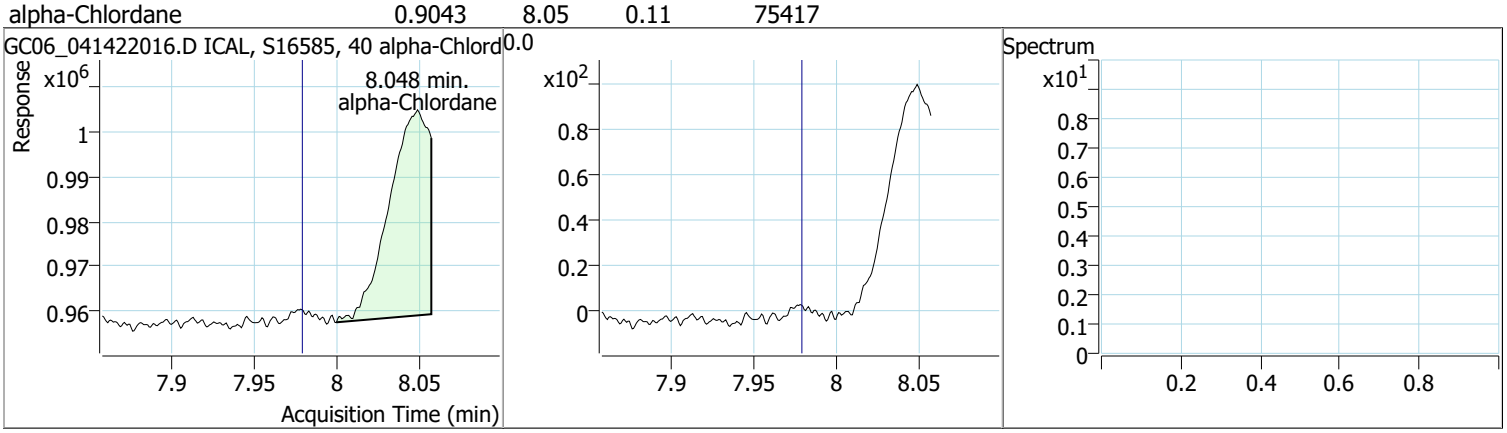
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.3664	7.68	-0.04	30443			



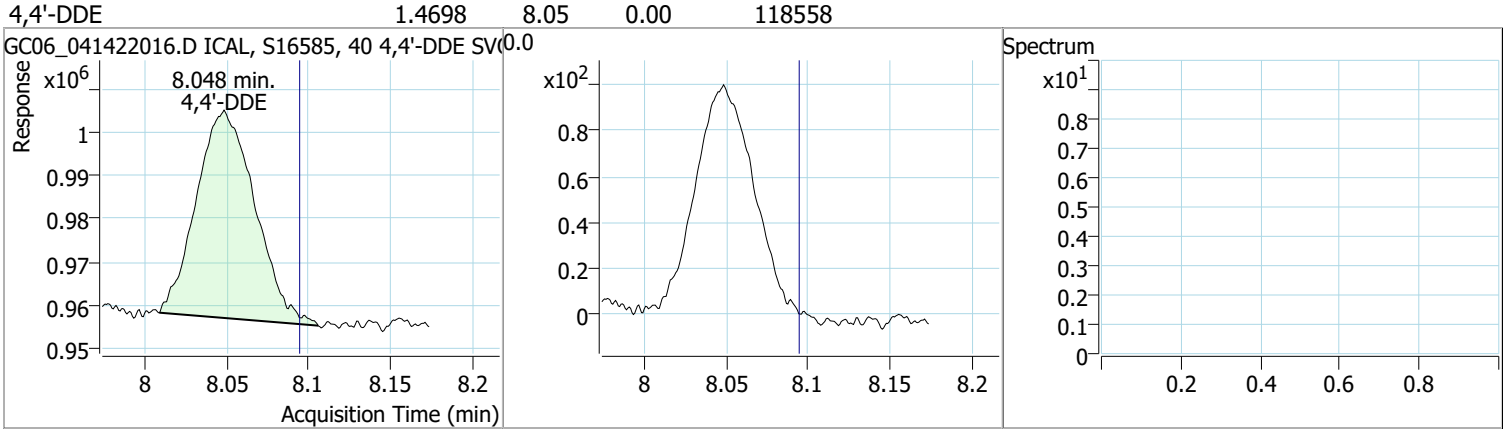
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	1.3925	7.83	-0.03	479154			



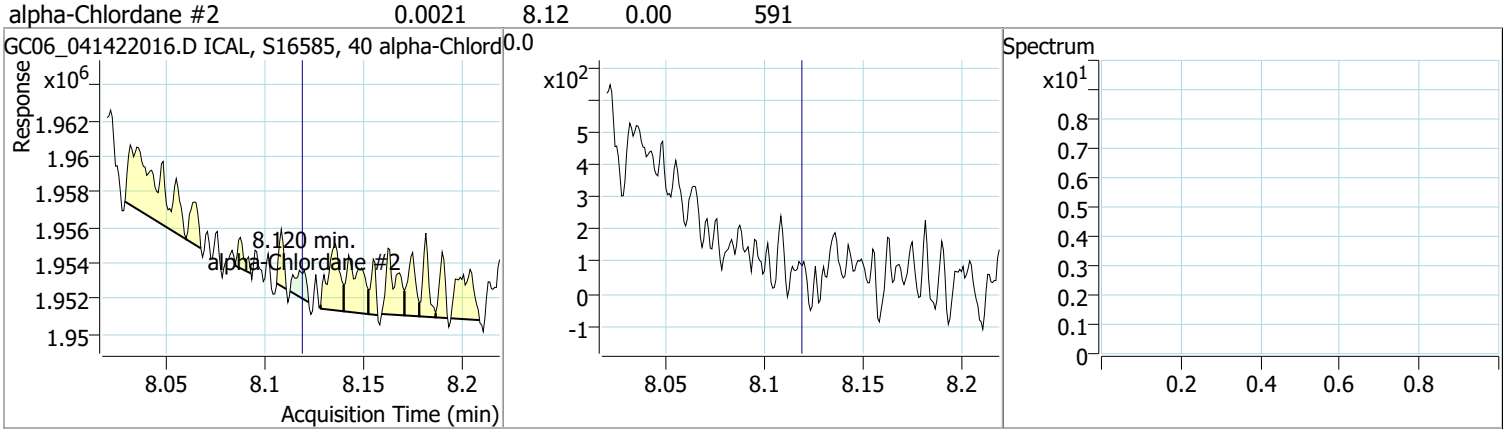
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	0.9043	8.05	0.11	75417			



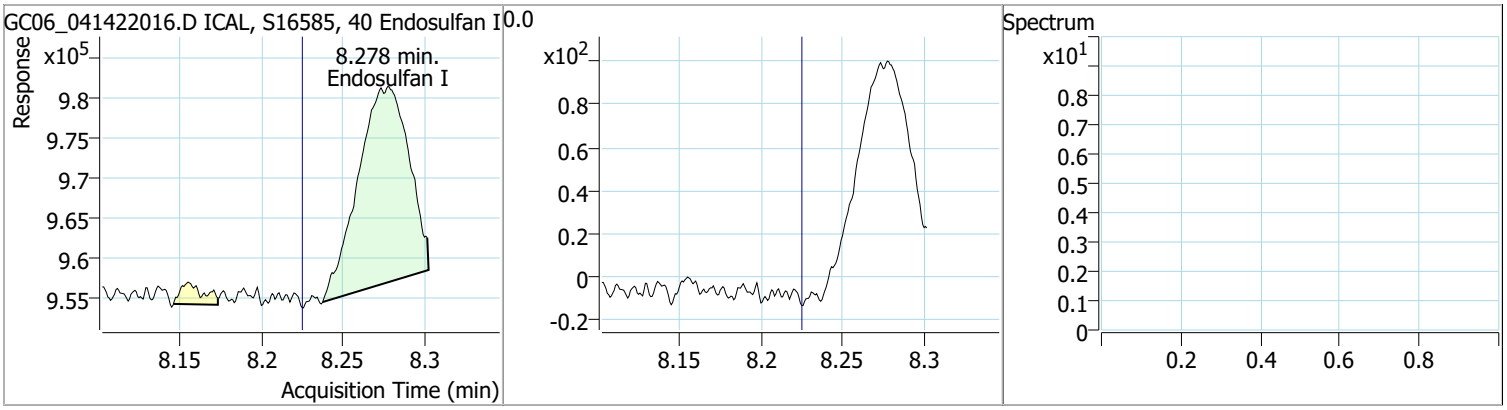
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	1.4698	8.05	0.00	118558			



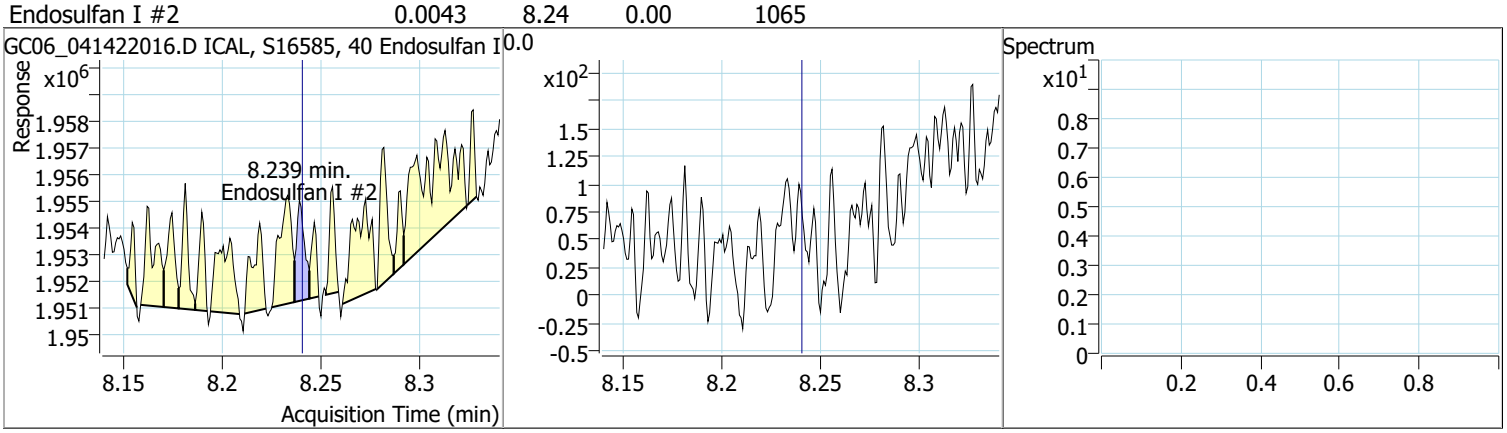
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0021	8.12	0.00	591			



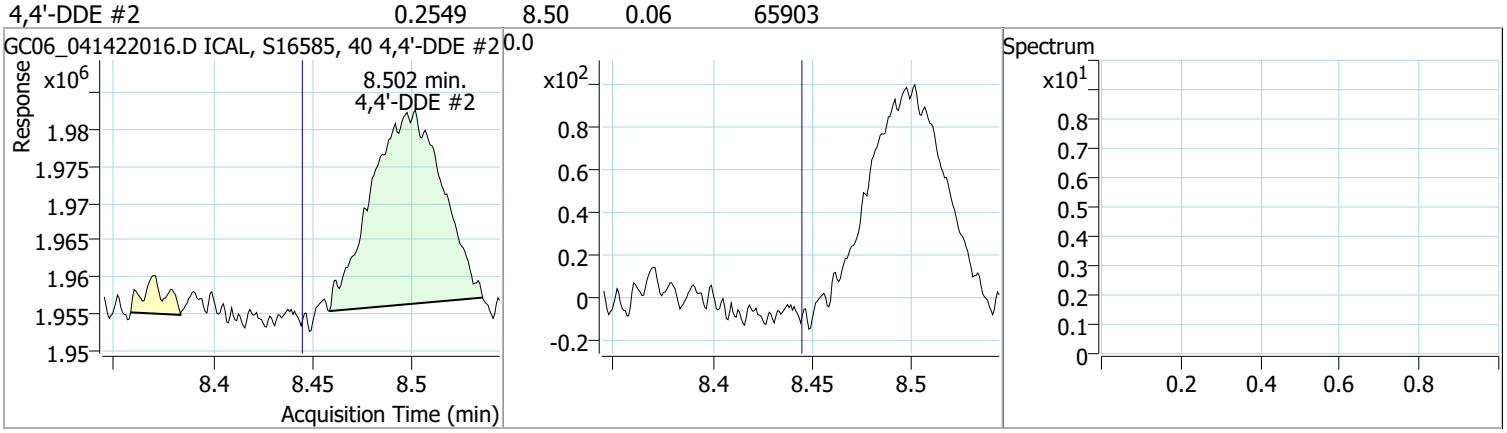
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	0.6969	8.28	0.10	52820			



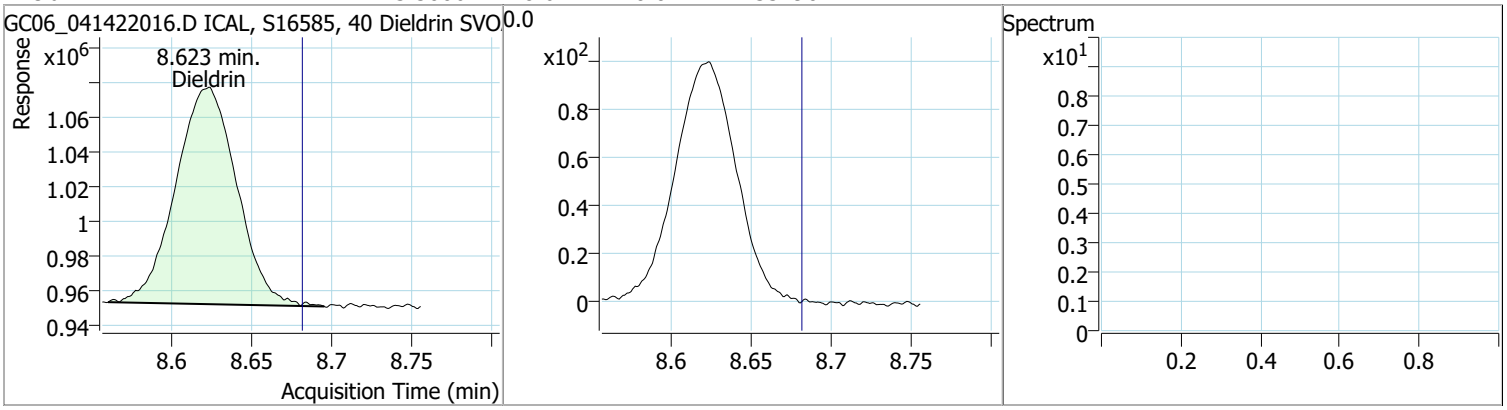
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.0043	8.24	0.00	1065			



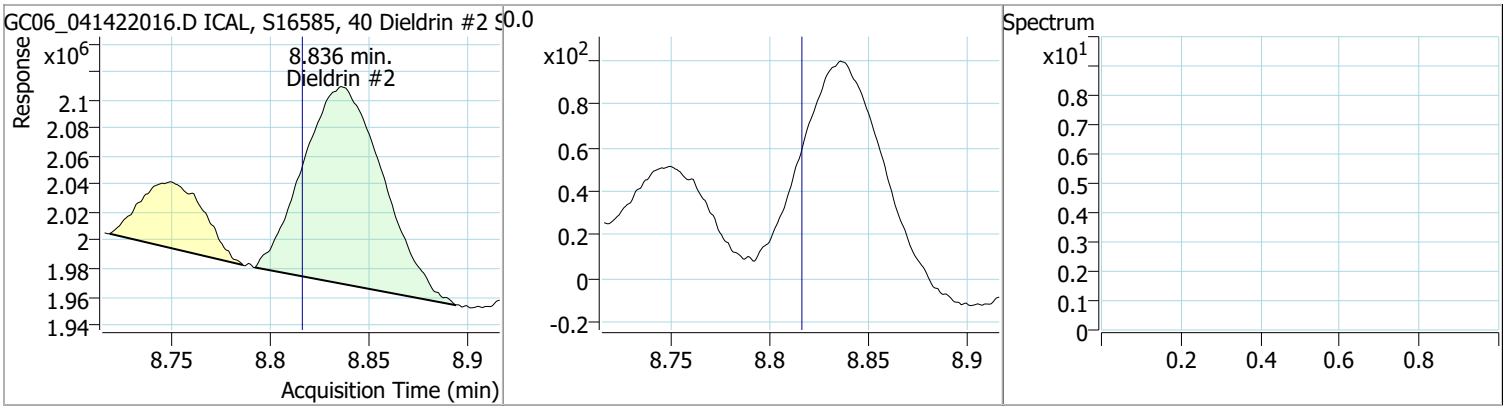
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	0.2549	8.50	0.06	65903			



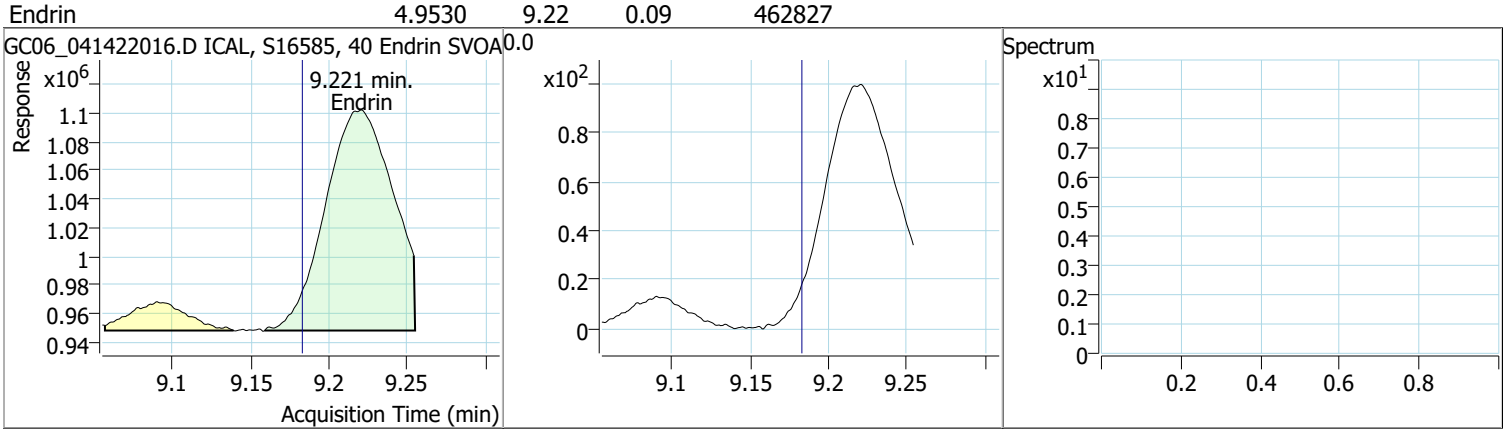
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	3.5006	8.62	-0.01	332902			



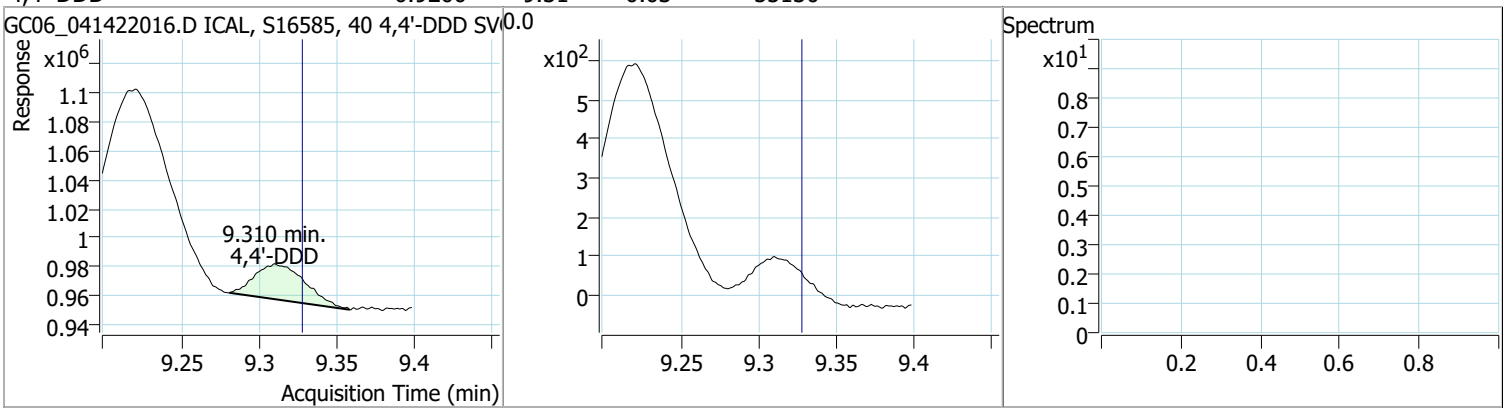
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	1.3419	8.84	0.02	394595			



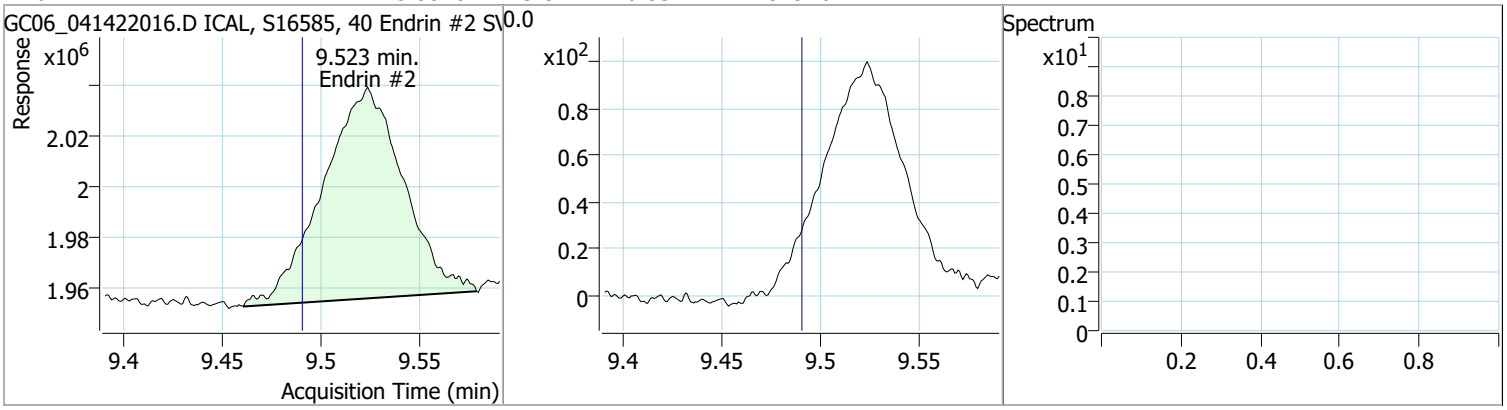
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	4.9530	9.22	0.09	462827			



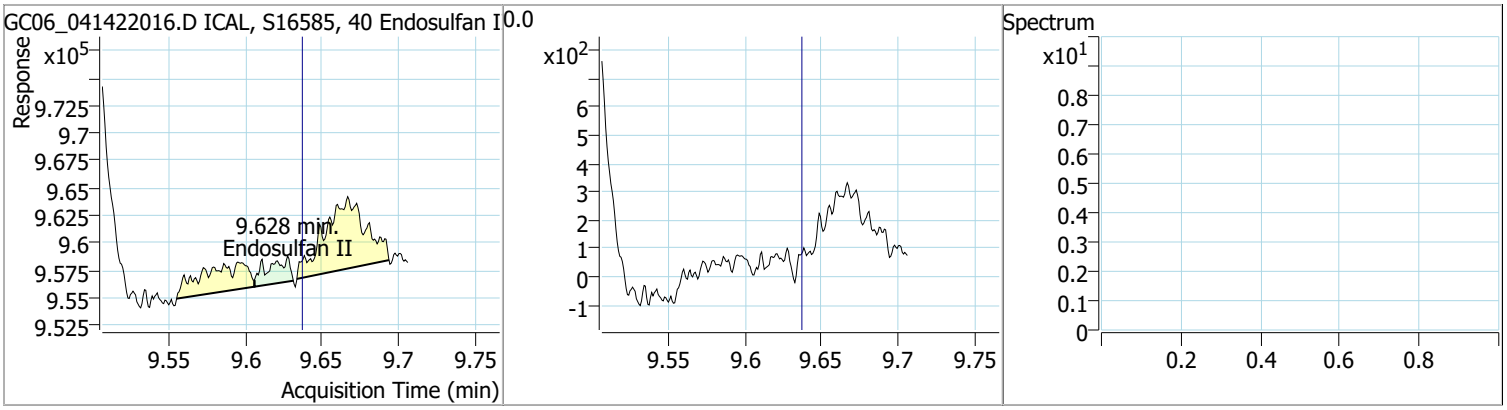
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	0.9200	9.31	0.03	55130			



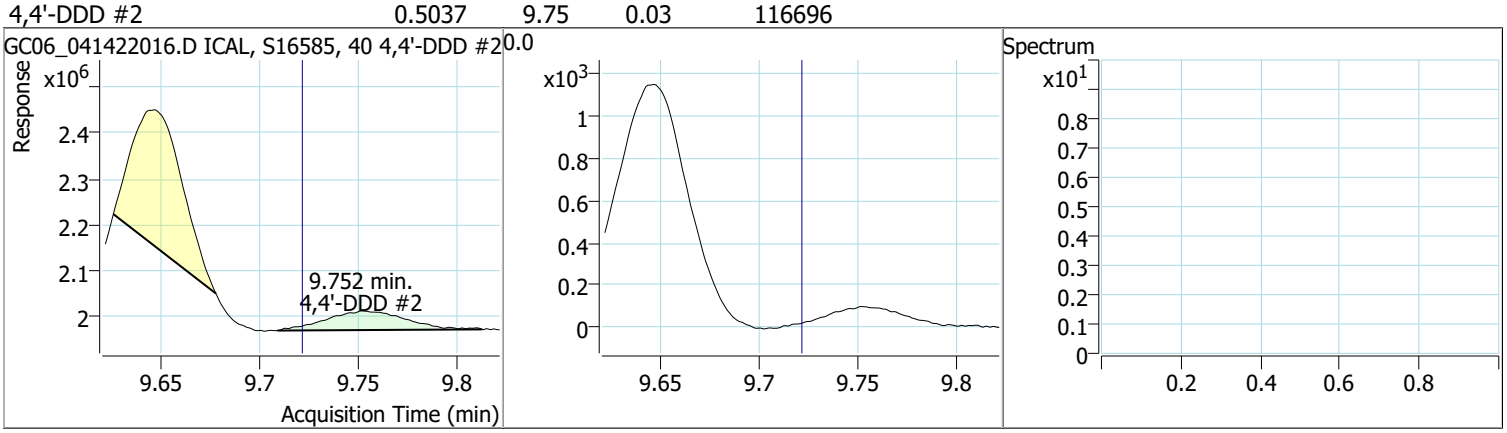
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endrin #2	0.8826	9.52	0.03	232946		



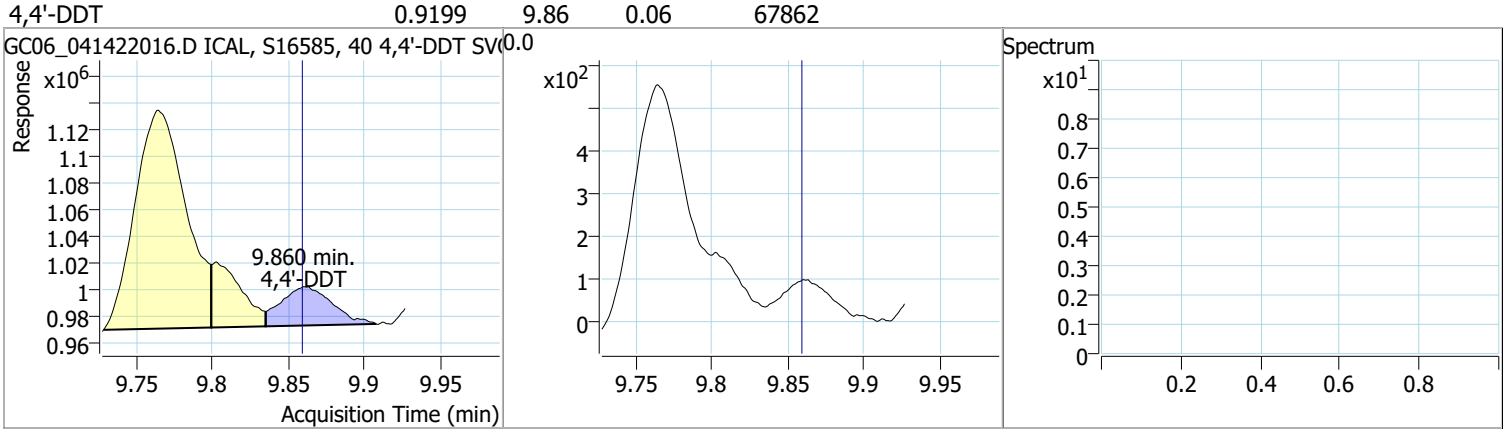
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	0.0277	9.63	0.04	2270		



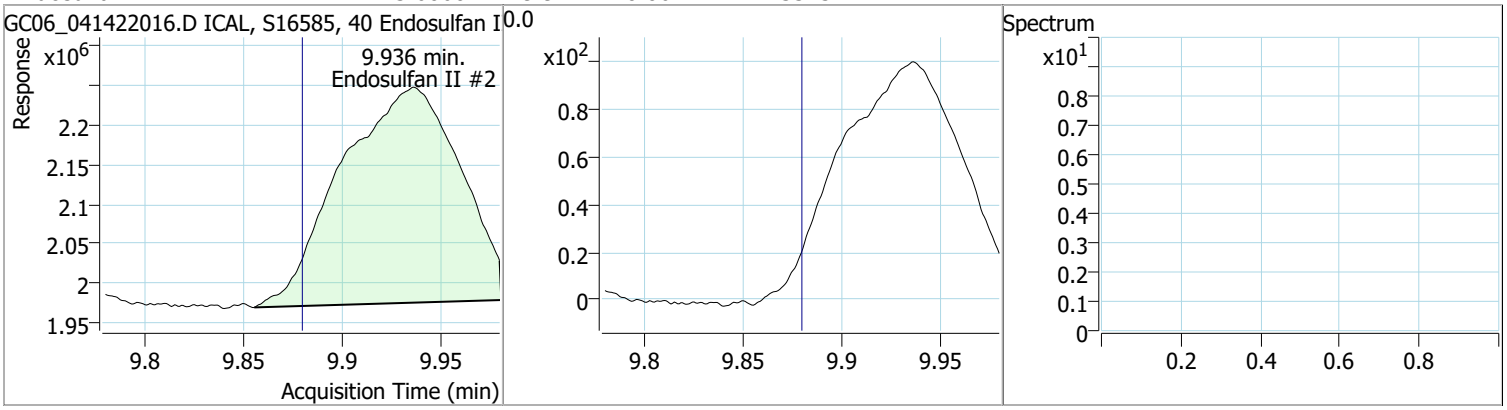
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	0.5037	9.75	0.03	116696		



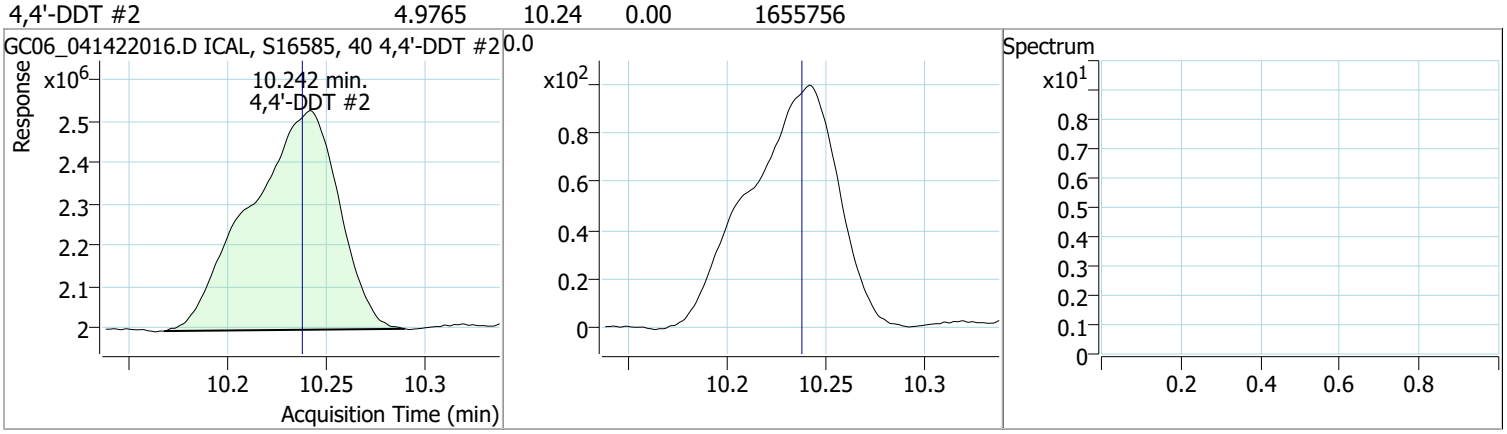
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	0.9199	9.86	0.06	67862		



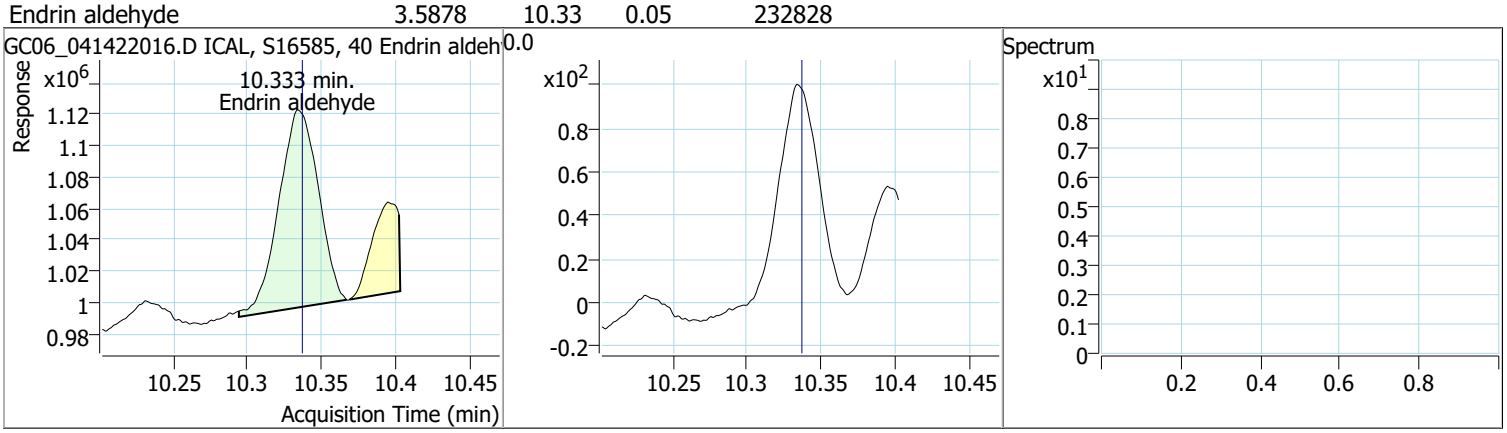
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	3.6060	9.94	0.06	1133452			



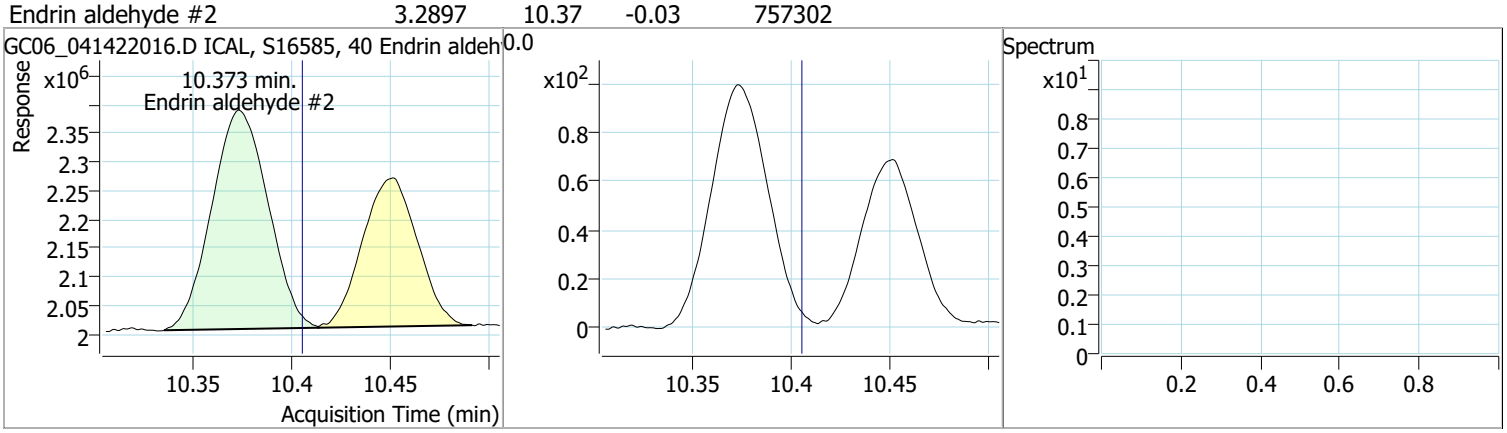
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	4.9765	10.24	0.00	1655756			



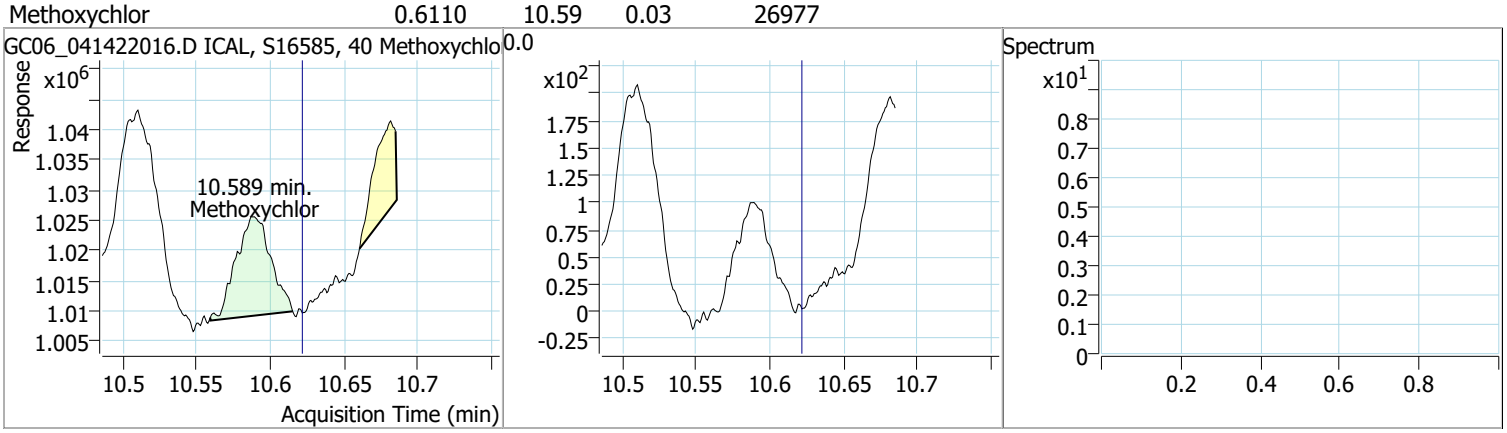
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	3.5878	10.33	0.05	232828			



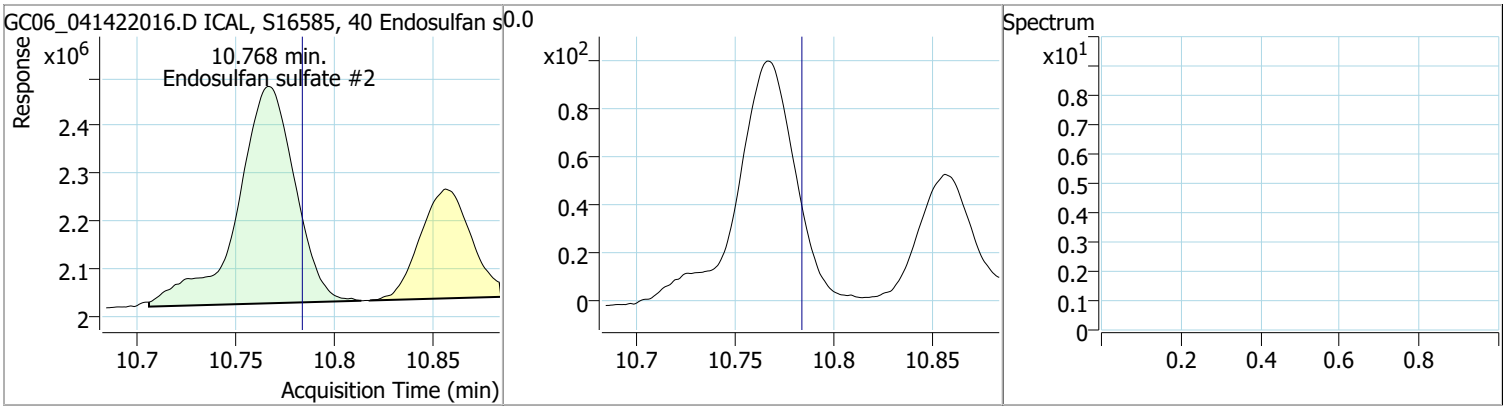
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	3.2897	10.37	-0.03	757302			



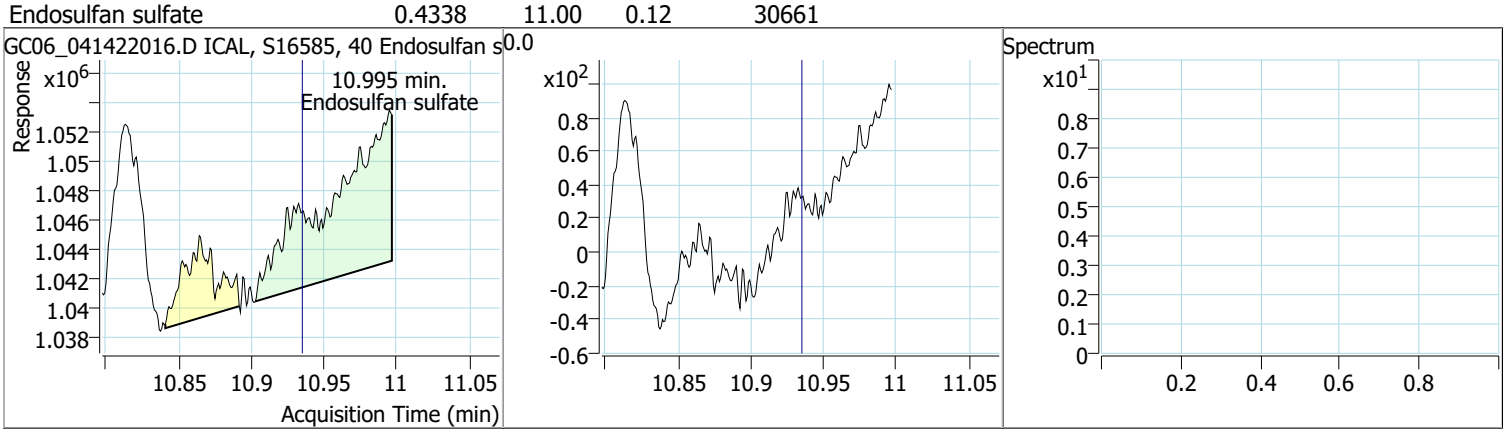
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	0.6110	10.59	0.03	26977			



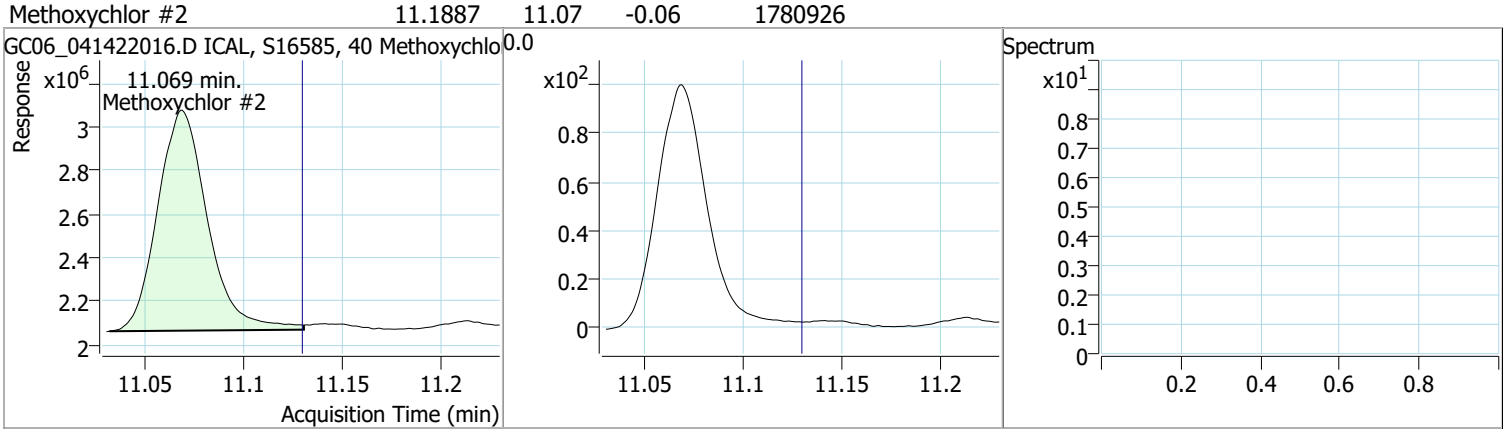
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	3.5192	10.77	-0.02	930538			



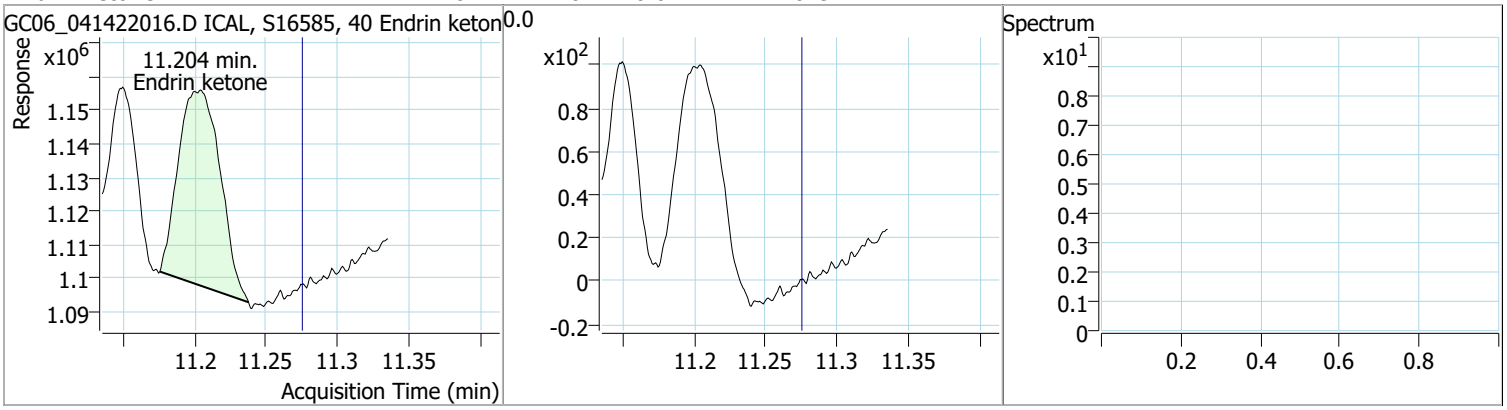
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	0.4338	11.00	0.12	30661			



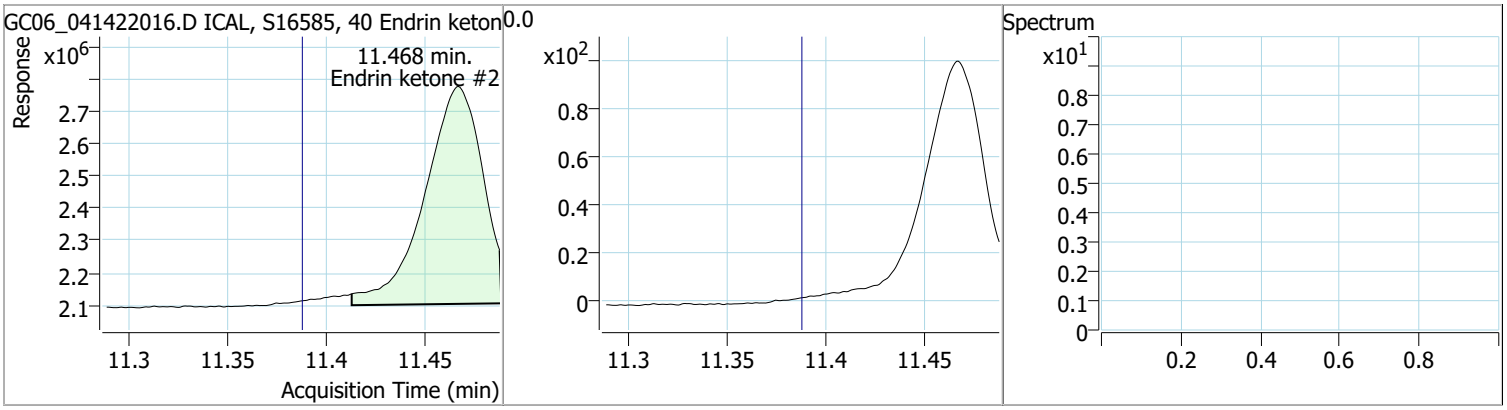
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	11.1887	11.07	-0.06	1780926			



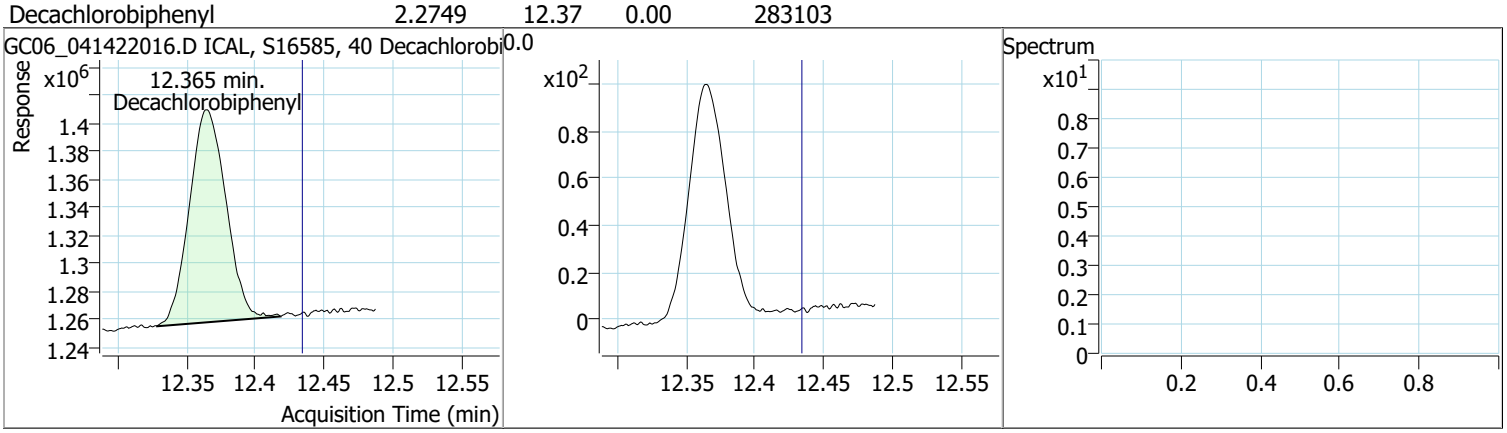
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	1.2778	11.20	-0.01	117079			



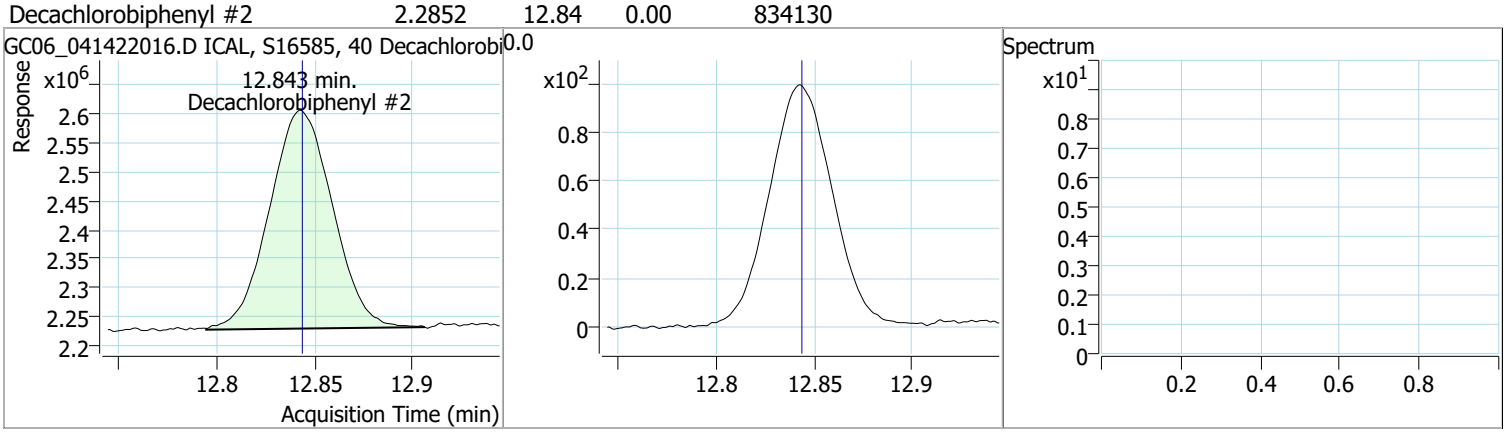
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	3.9694	11.47	0.08	1363092			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	2.2749	12.37	0.00	283103			

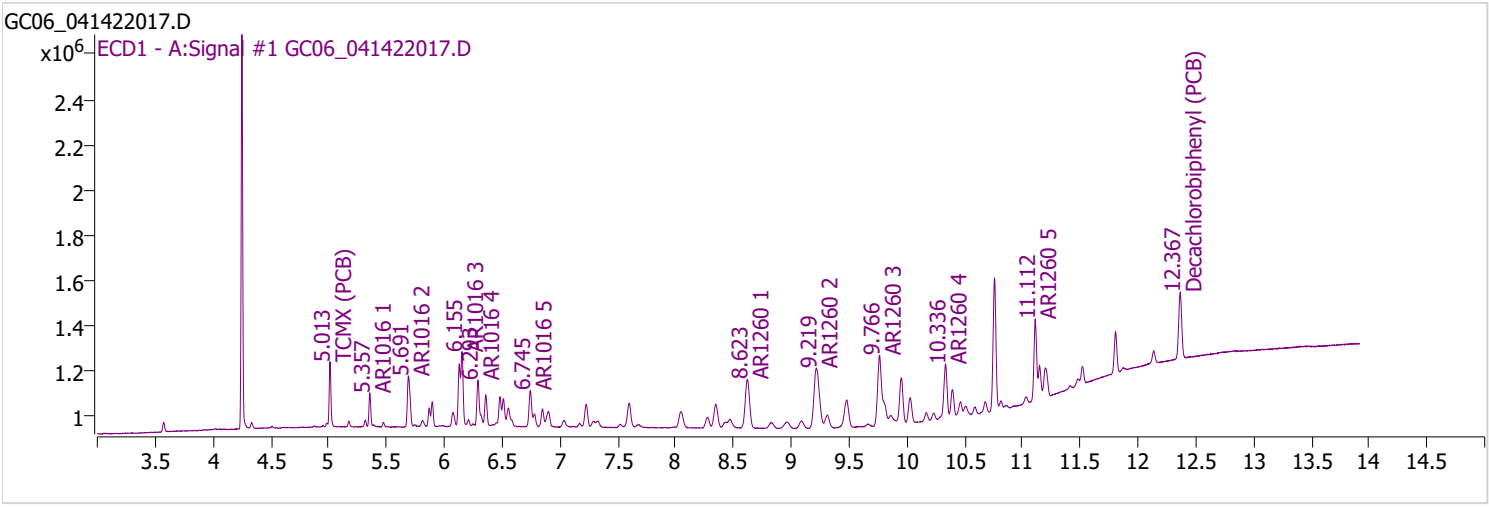


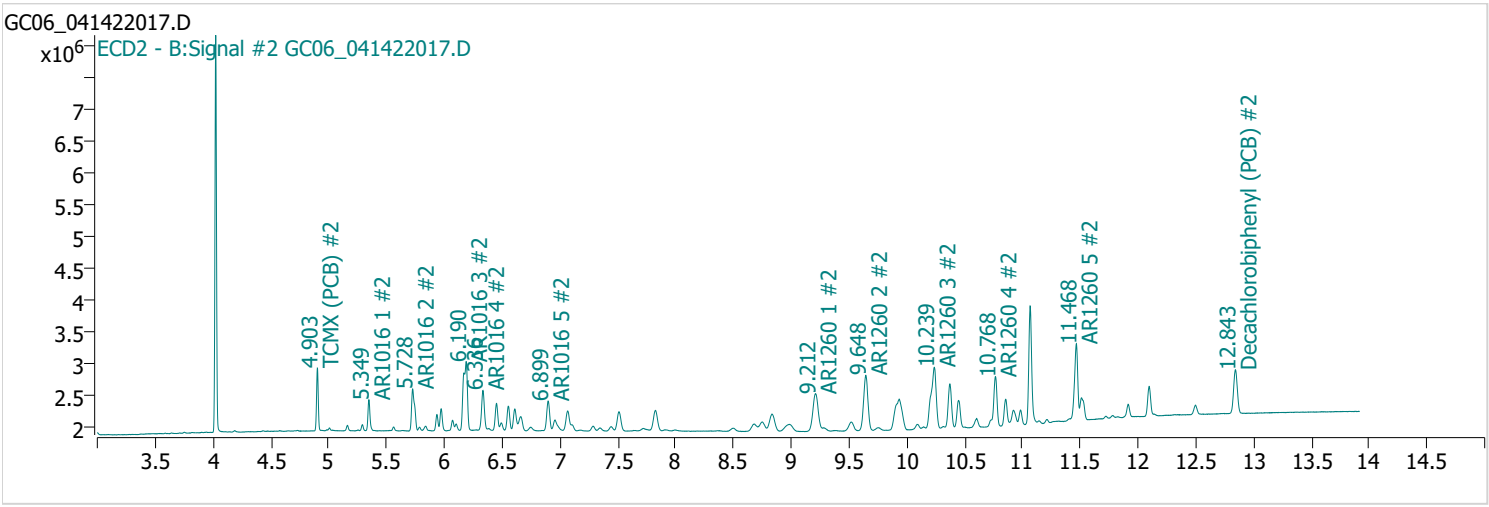
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	2.2852	12.84	0.00	834130			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422017.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:16:29 PM
Sample Name	ICAL, S16585, 20	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 113	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



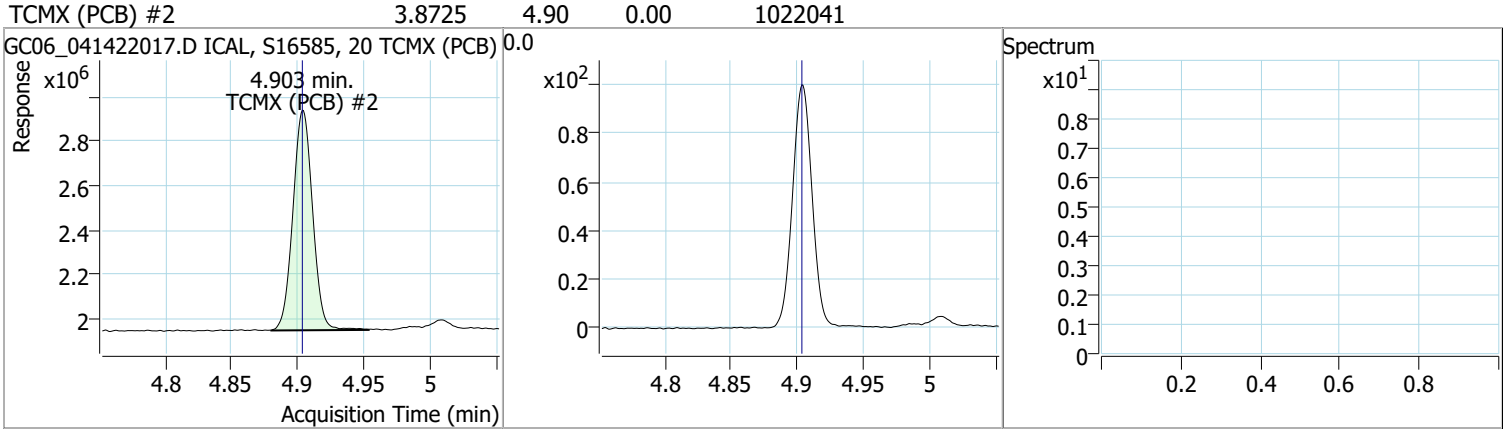


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.251	4.024	1622170	5762030	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.013	4.903	308043	1022041	3.948	3.873	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	19.74% *	19.36% *	
S Decachlorobiphenyl (PCB)	12.367	12.843	558001	1575553	4.524	4.531	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	22.62% *	22.66% *	
Target Compounds							
T AR1016 1	5.357	5.349	169121	620281	106.582	114.953	ng/ml
T AR1016 2	5.691	5.728	372547	1226965	107.829	109.570	ng/ml
T AR1016 3	6.155	6.190	432600	1559397 m	106.390	105.594	ng/ml
T AR1016 4	6.293	6.336	327124	1069117	107.505	106.708	ng/ml
T AR1016 5	6.745	6.899	257542	834356	109.416	106.516	ng/ml
T AR1260 1	8.623	9.212	571288	1942370	111.907	111.379	ng/ml
T AR1260 2	9.219	9.648	876378	2239752	111.457	111.151	ng/ml
T AR1260 3	9.766	10.239	880788	2981275	107.754	108.897	ng/ml
T AR1260 4	10.336	10.768	442513	1604425	108.854	108.304	ng/ml

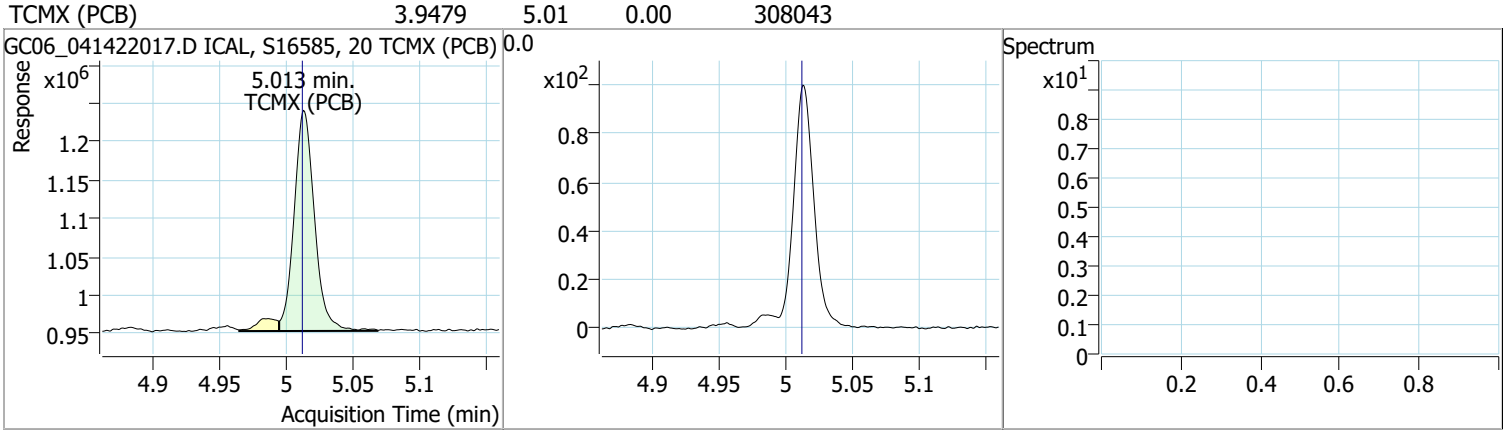
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.468	587244	2400549	109.144	109.910	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

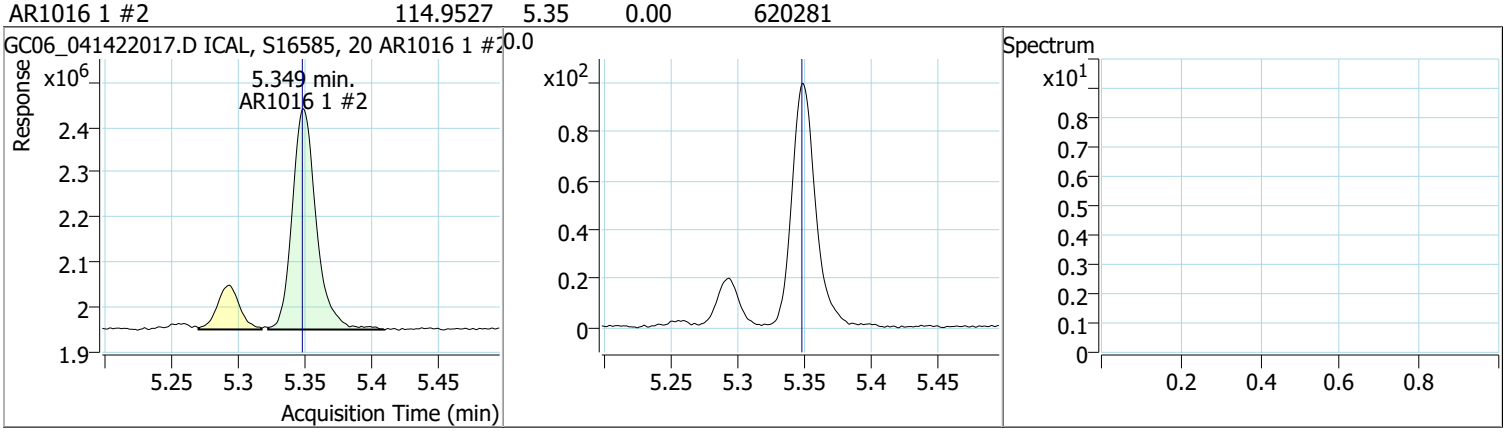
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	3.8725	4.90	0.00	1022041			



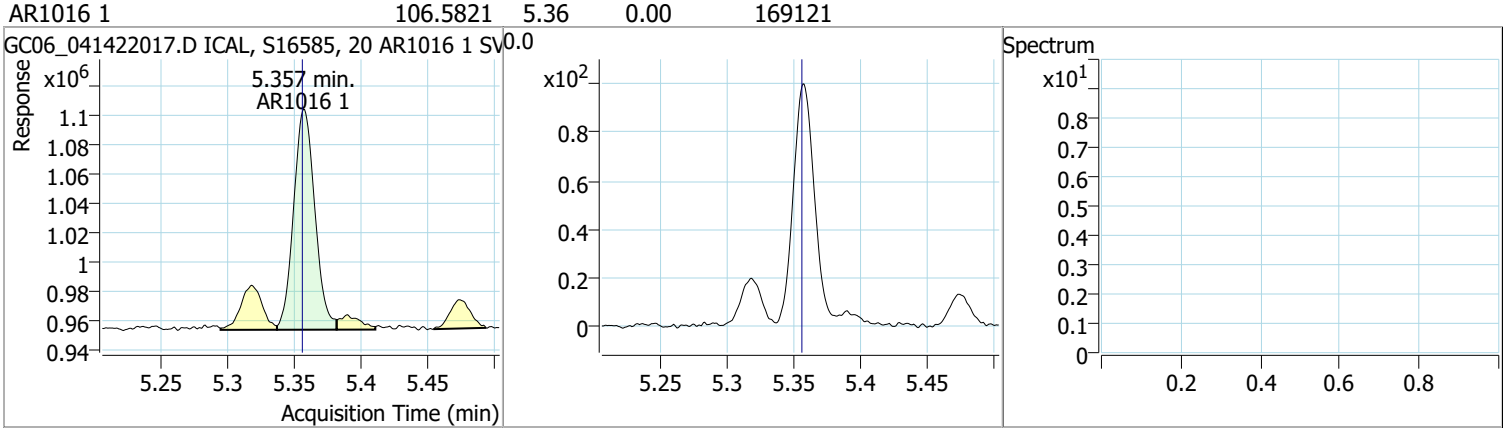
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	3.9479	5.01	0.00	308043			



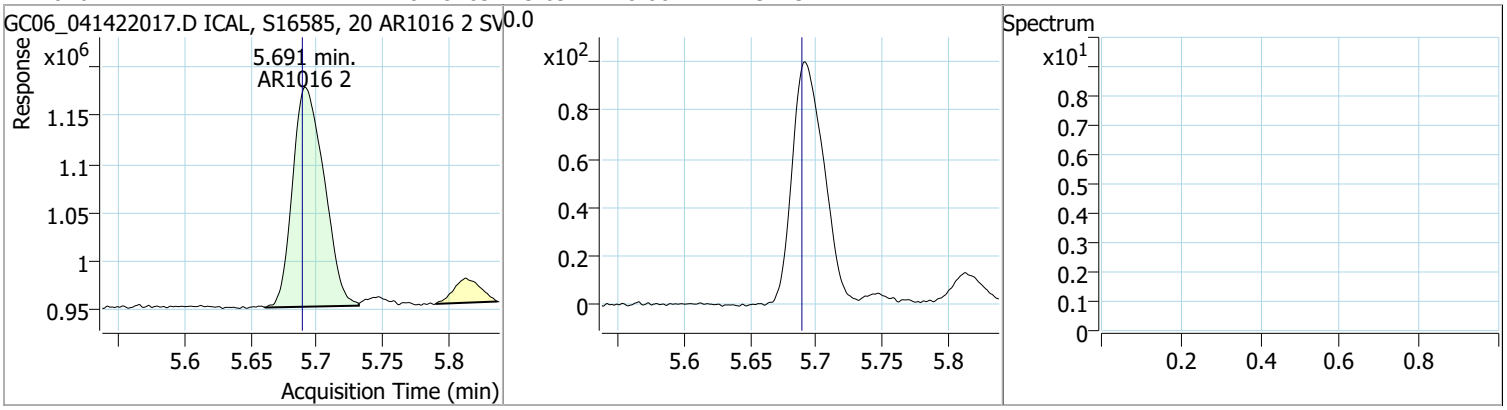
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	114.9527	5.35	0.00	620281			



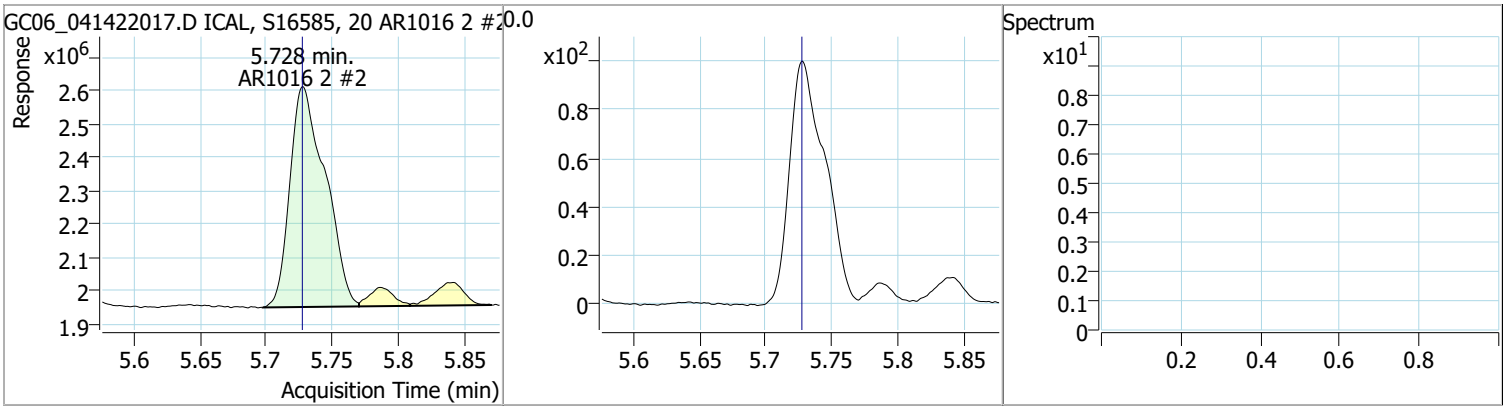
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	106.5821	5.36	0.00	169121			



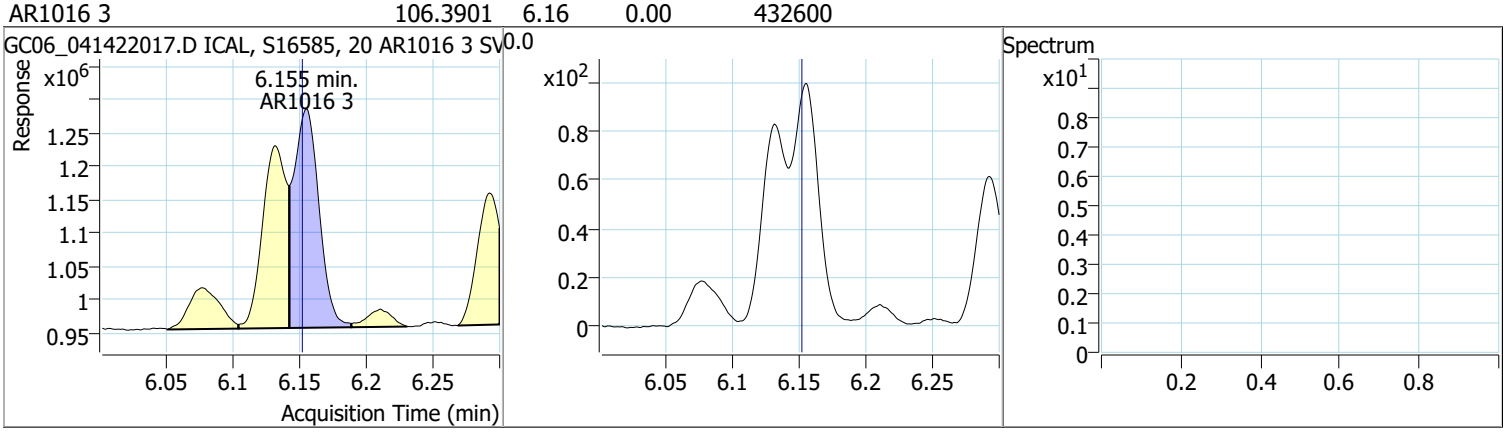
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	107.8289	5.69	0.00	372547			



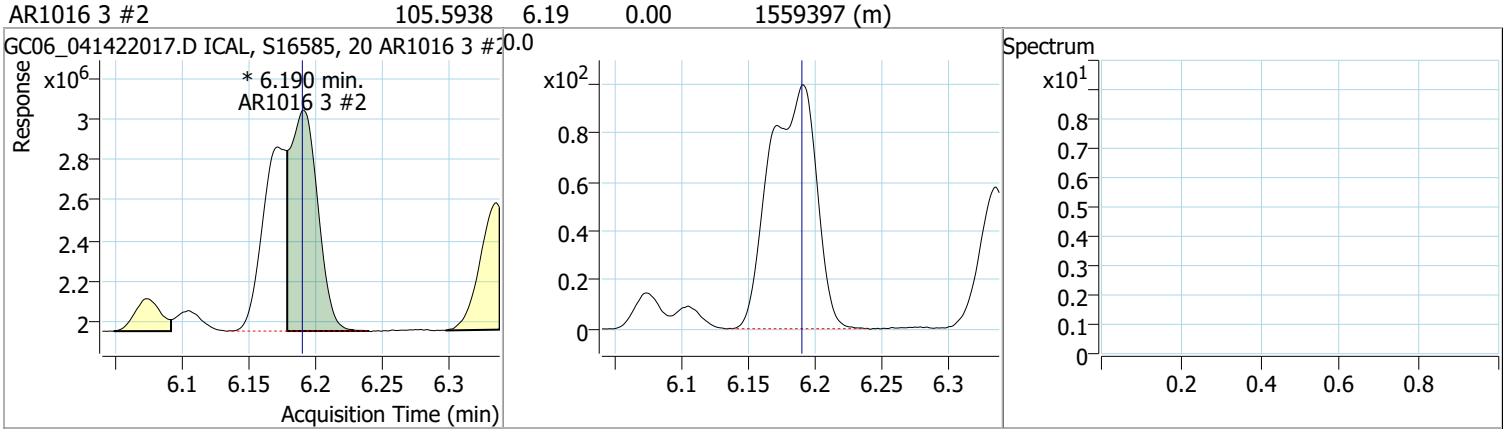
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	109.5703	5.73	0.00	1226965			



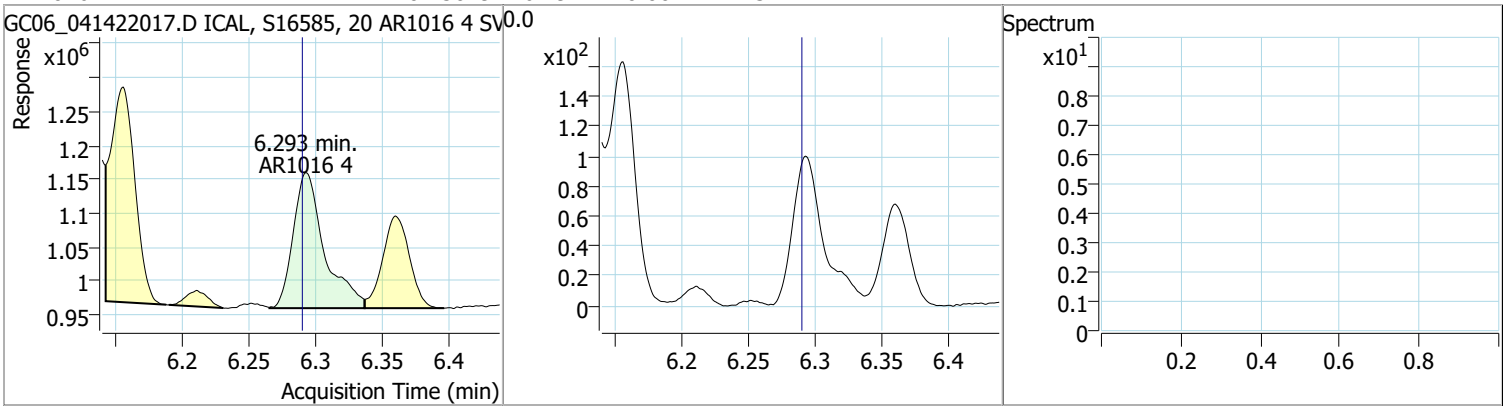
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	106.3901	6.16	0.00	432600			



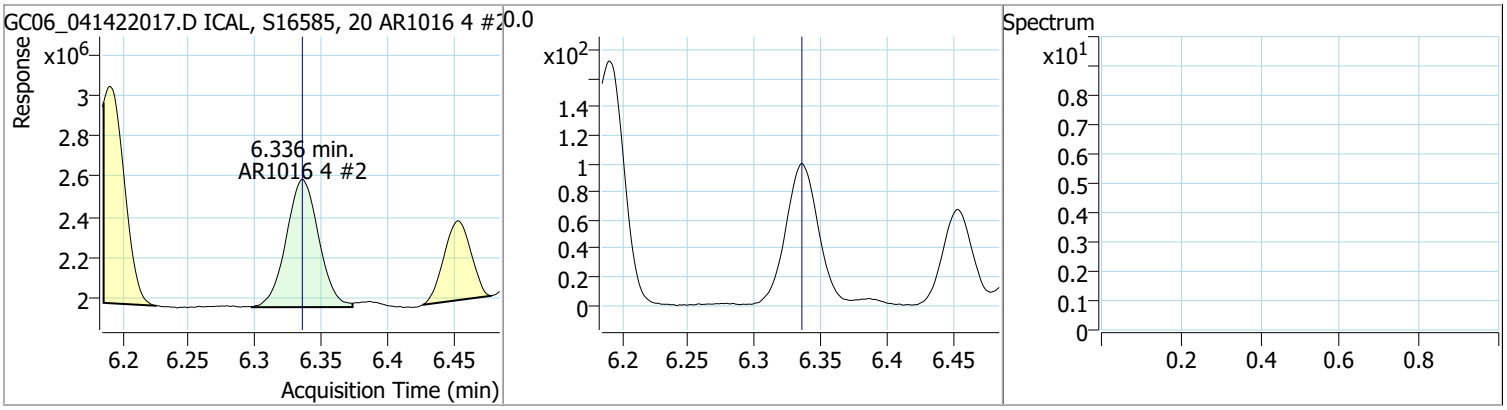
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	105.5938	6.19	0.00	1559397 (m)			



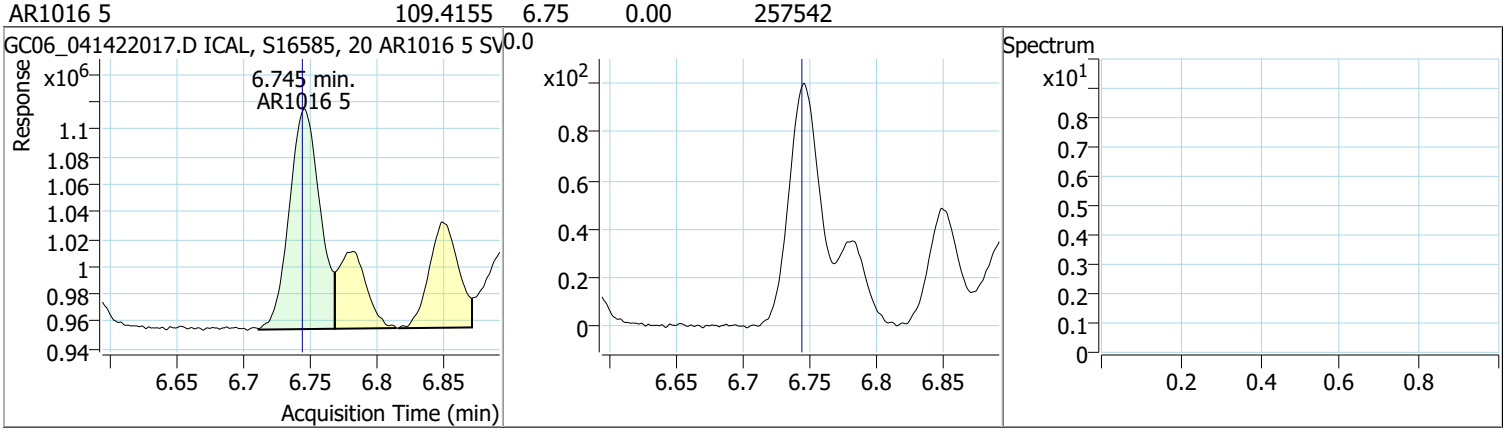
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	107.5049	6.29	0.00	327124			



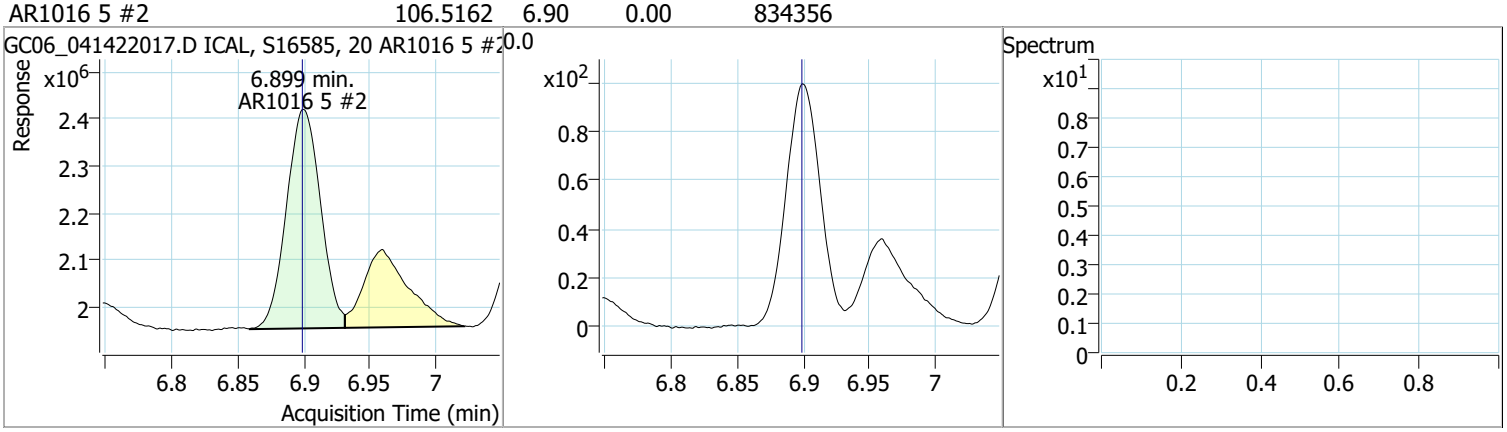
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	106.7085	6.34	0.00	1069117			



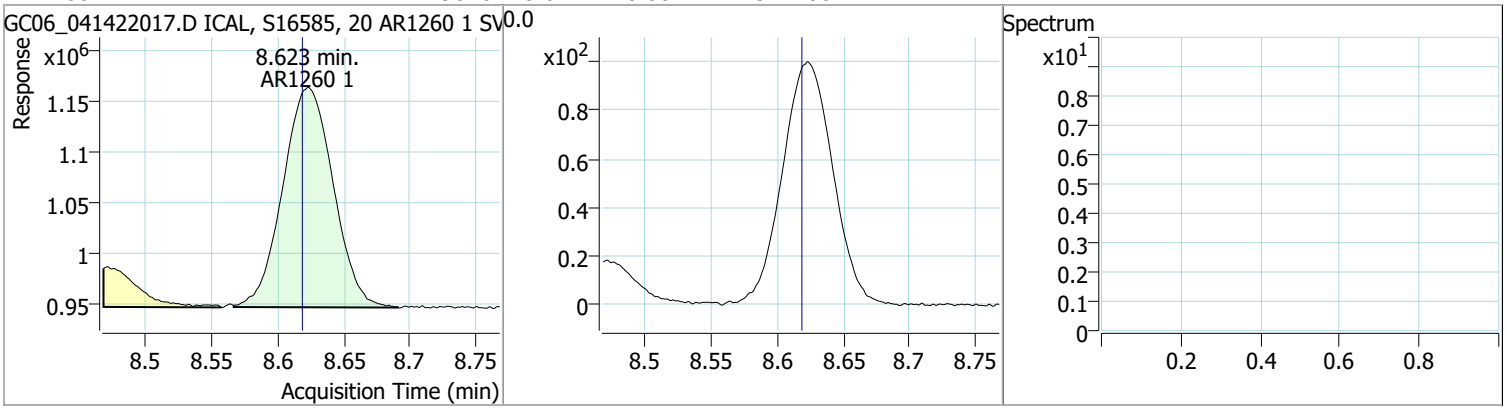
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	109.4155	6.75	0.00	257542			



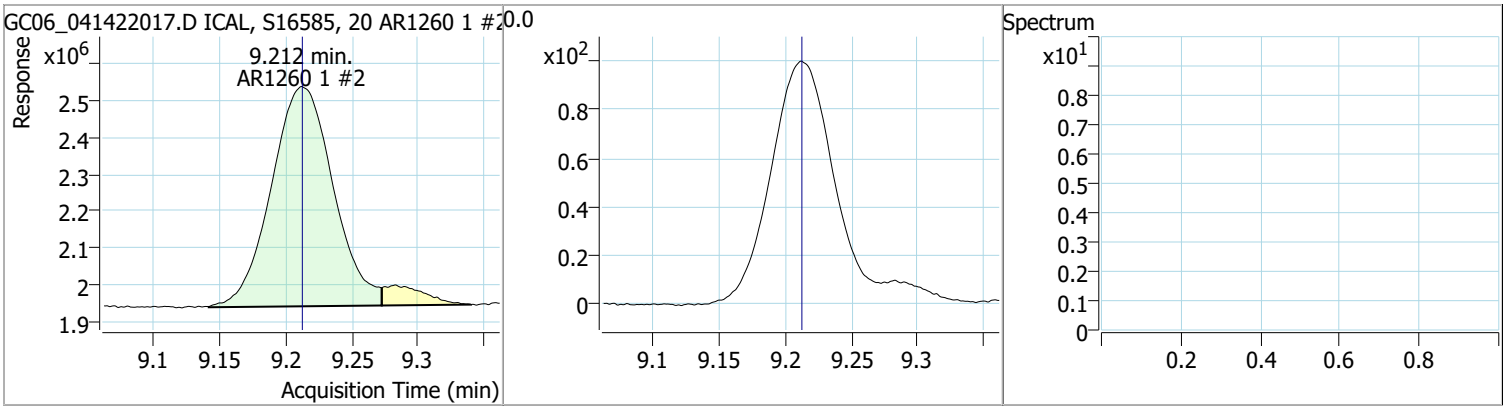
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	106.5162	6.90	0.00	834356			



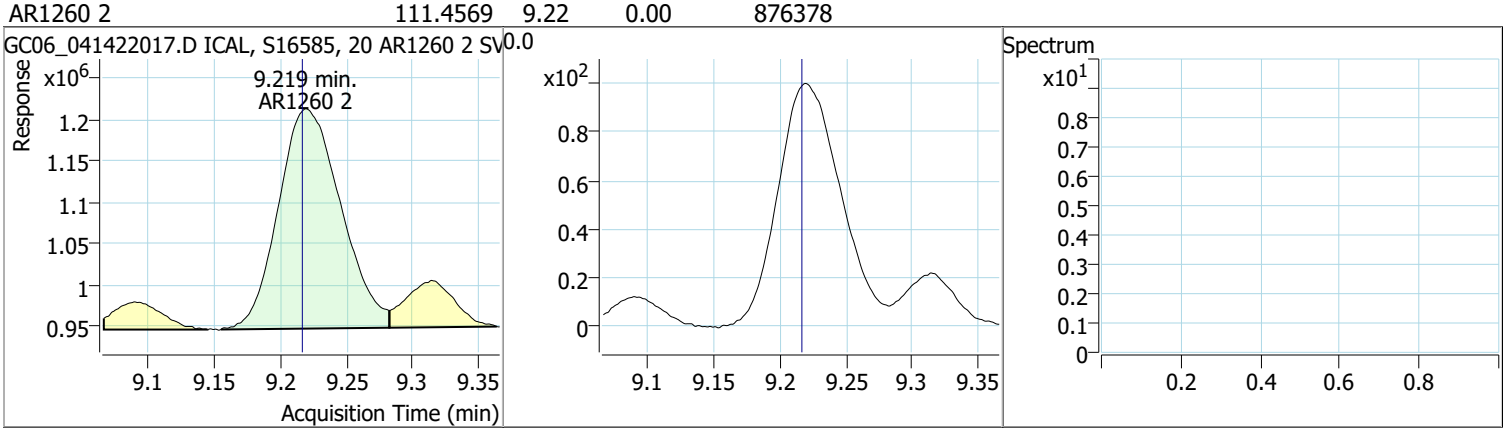
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	111.9070	8.62	0.00	571288			



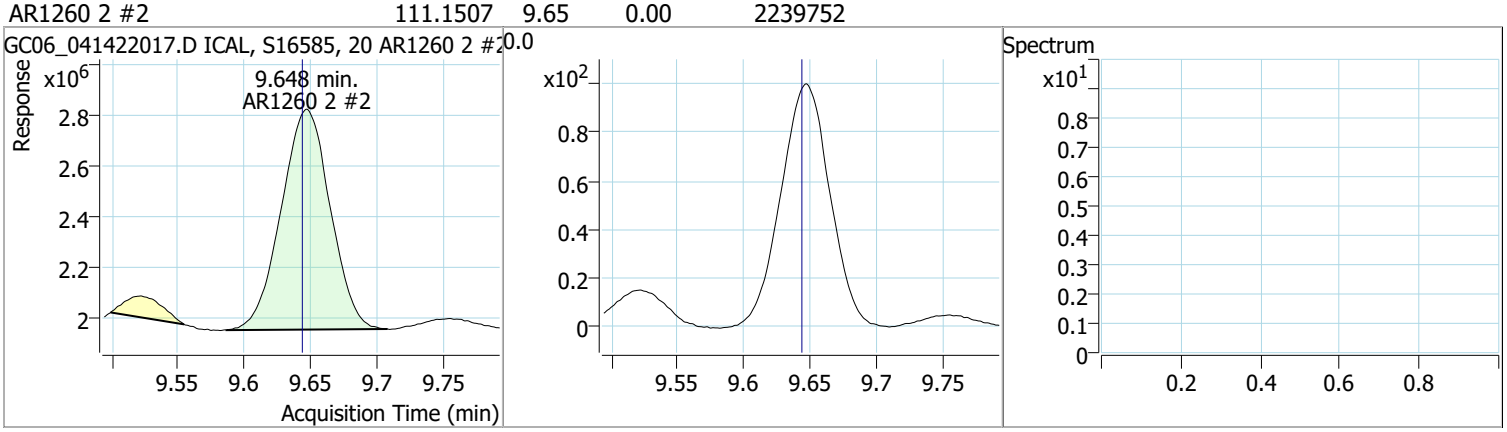
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	111.3788	9.21	0.00	1942370			



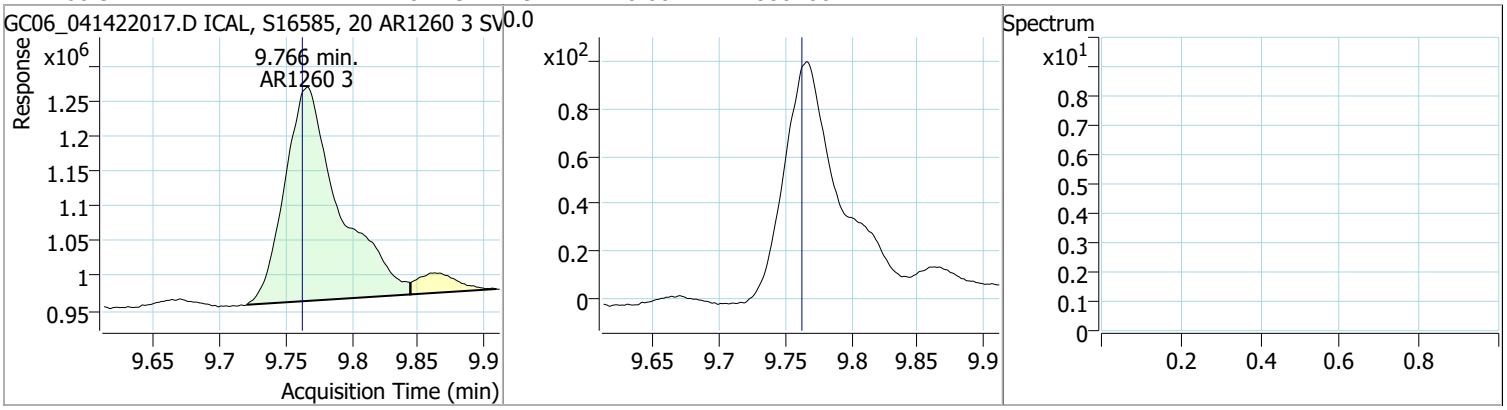
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	111.4569	9.22	0.00	876378			



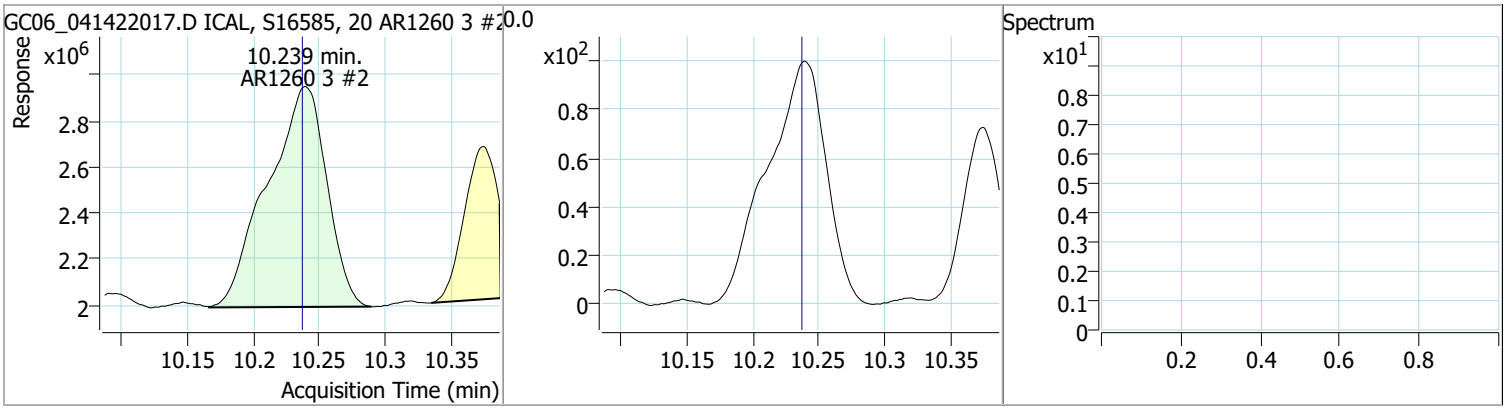
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	111.1507	9.65	0.00	2239752			



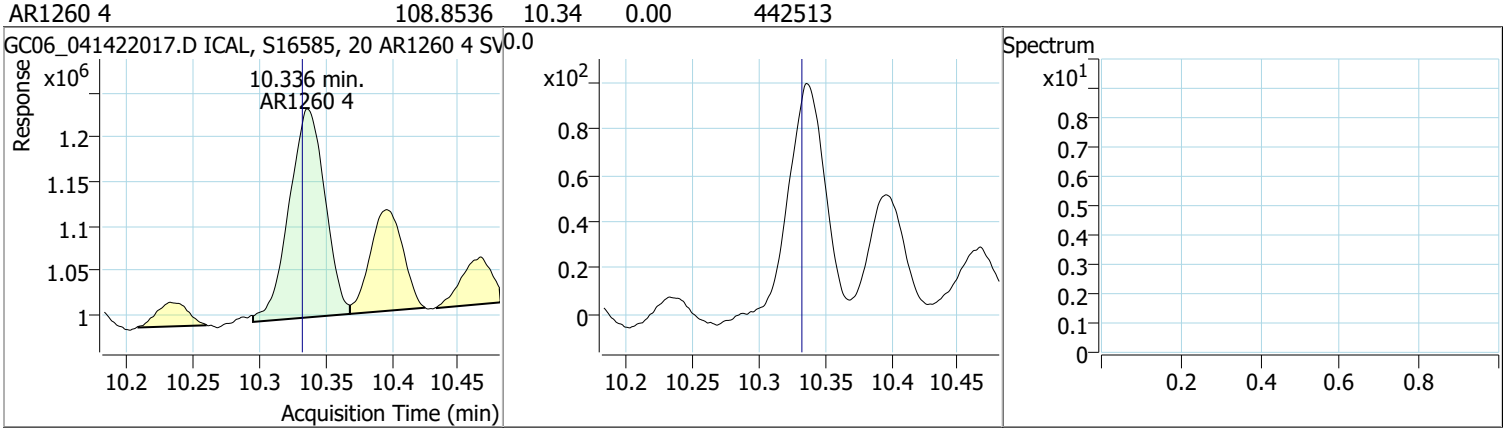
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	107.7542	9.77	0.00	880788			



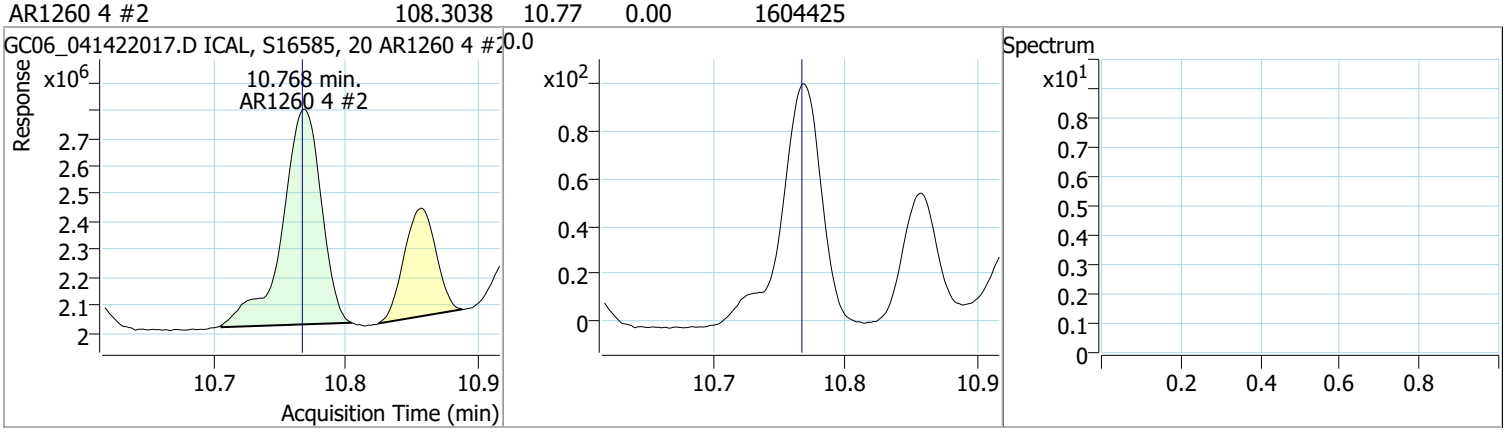
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	108.8974	10.24	0.00	2981275			



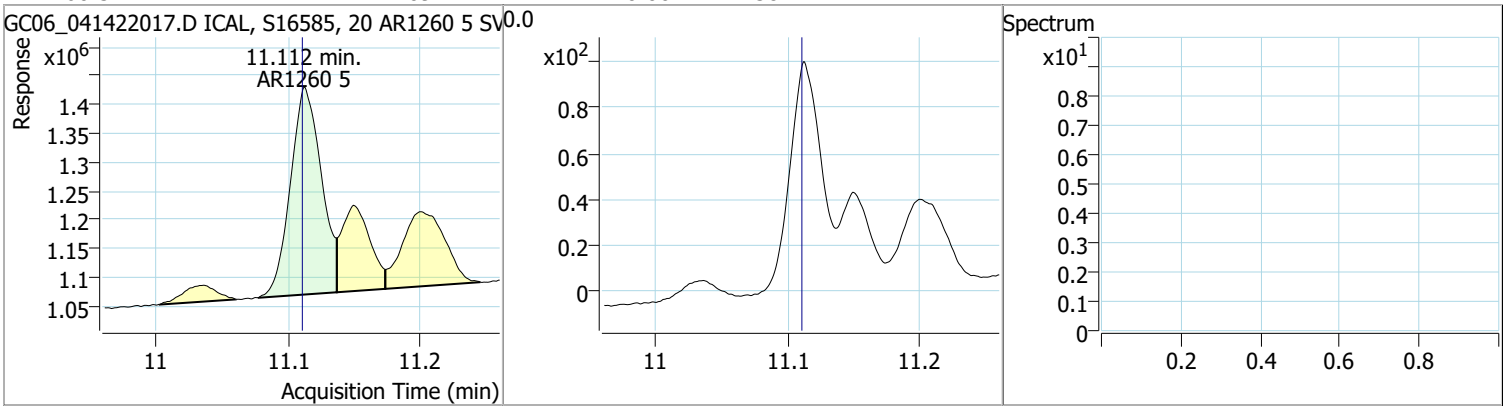
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	108.8536	10.34	0.00	442513			



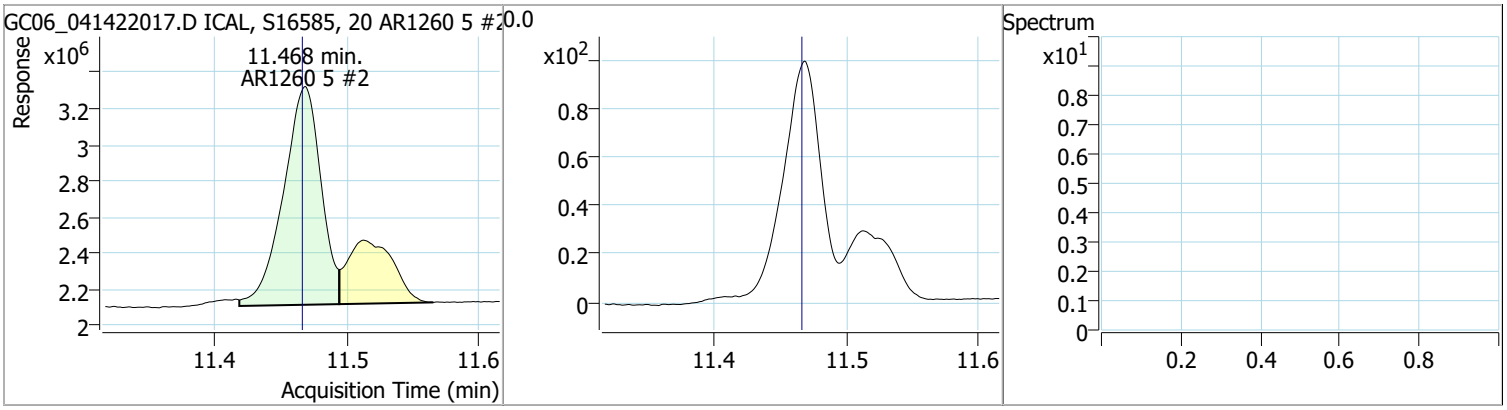
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	108.3038	10.77	0.00	1604425			



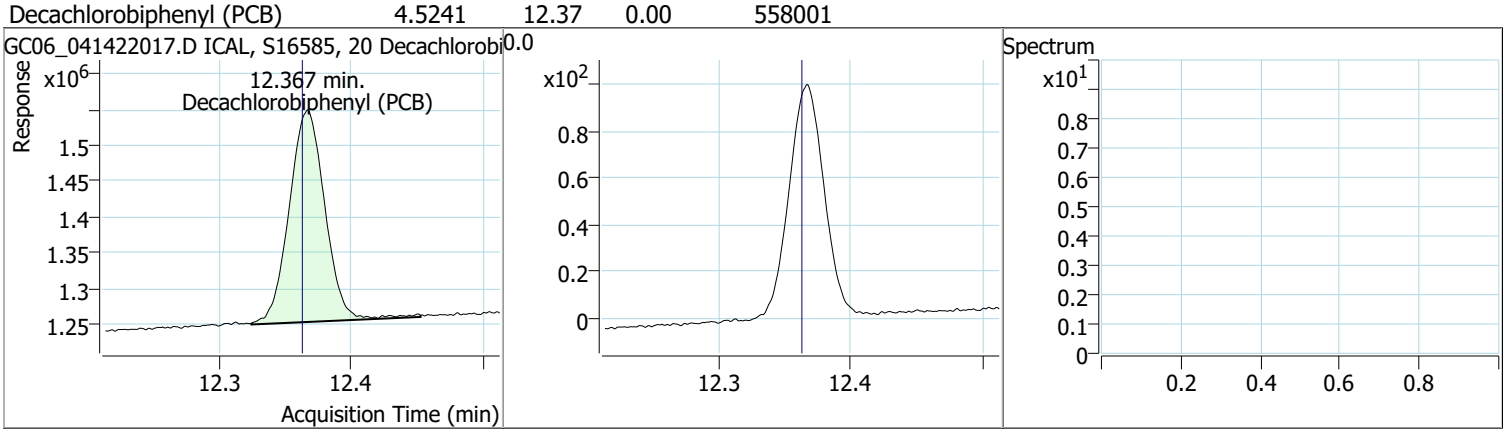
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	109.1442	11.11	0.00	587244			



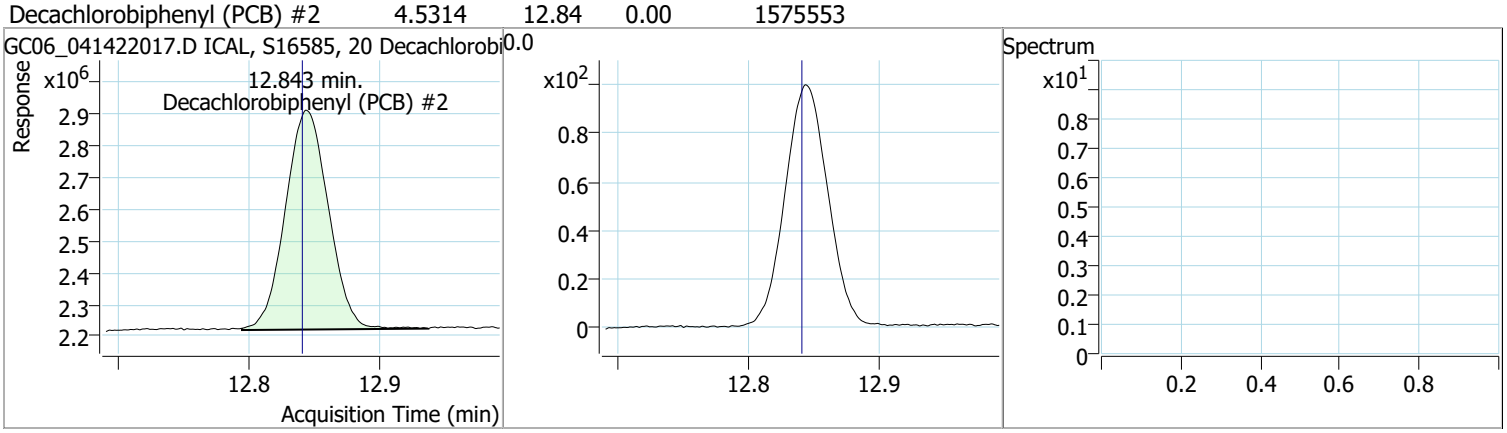
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	109.9105	11.47	0.00	2400549			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	4.5241	12.37	0.00	558001			

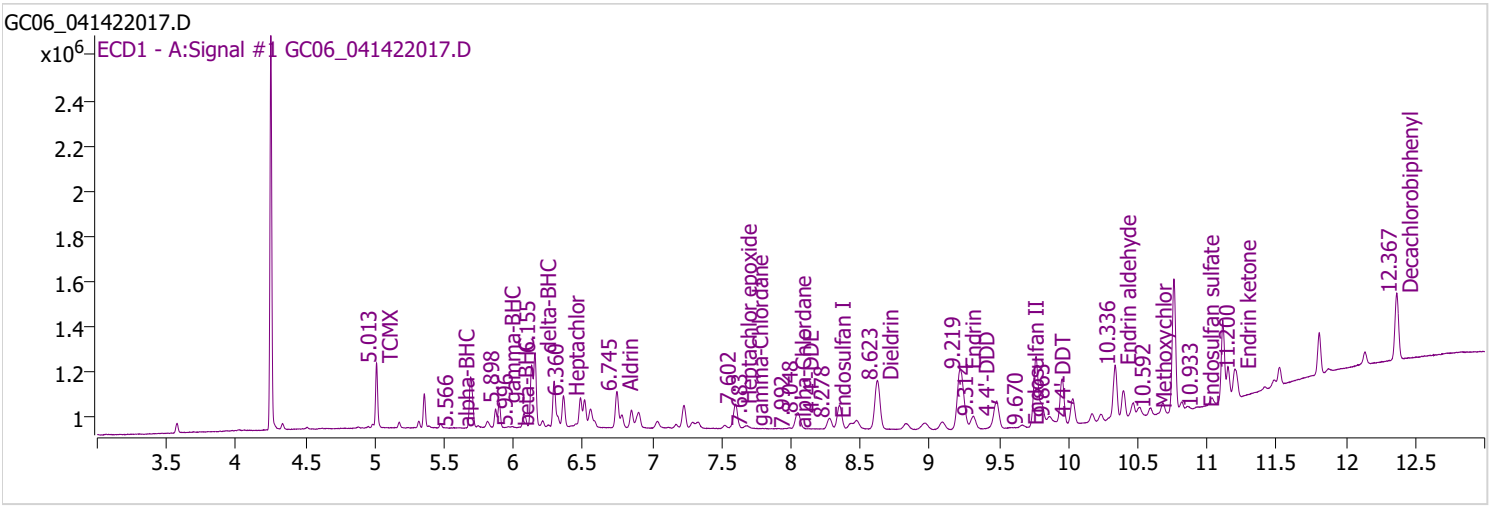


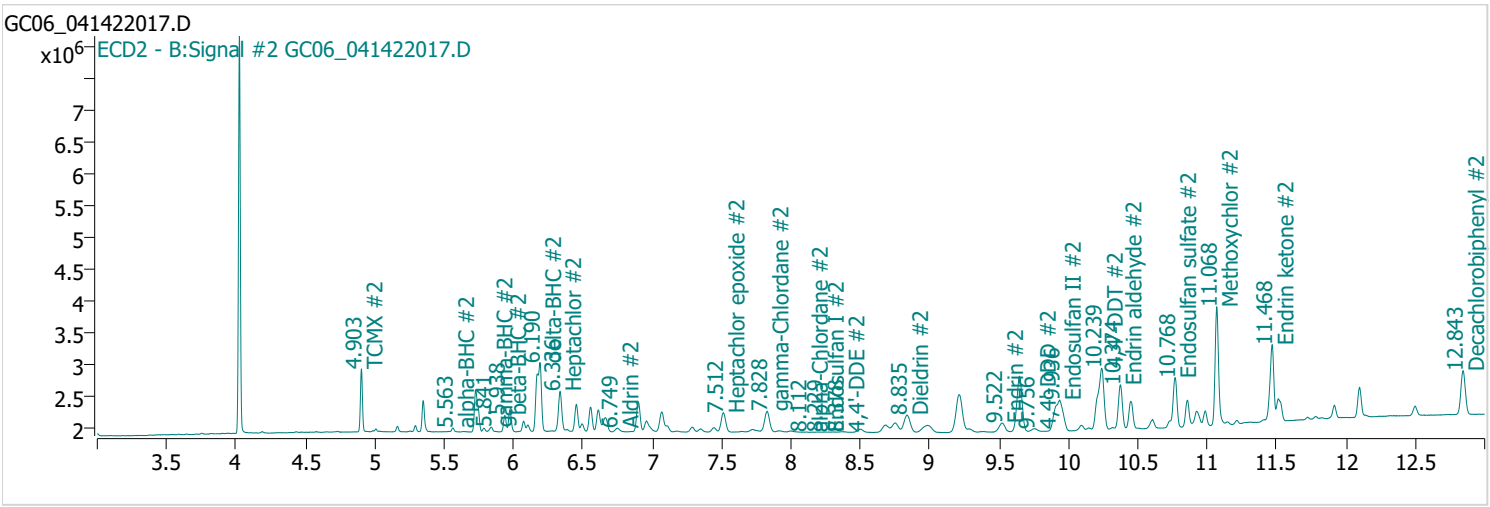
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	4.5314	12.84	0.00	1575553			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422017.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:16:29 PM
Sample Name	ICAL, S16585, 20	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 113	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 7:30:45 PM



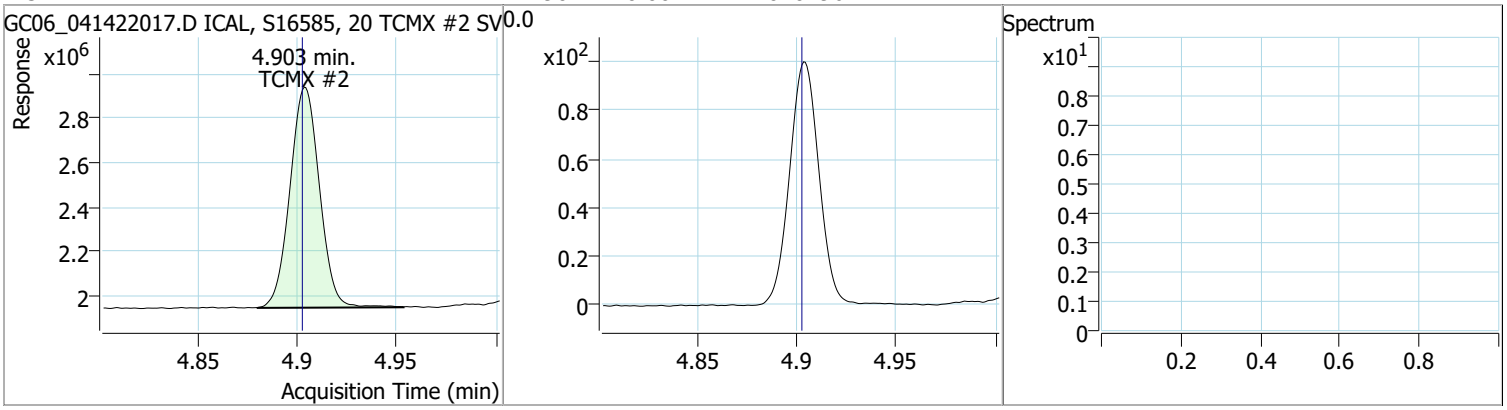


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.251	4.024	1600795	5755473	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.013	4.903	308808	1020196	4.185	4.128	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	20.93% *	20.64% *	
S Decachlorobiphenyl	12.367	12.843	544880	1543655	4.986	4.785	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	24.93% *	23.93% *	
Target Compounds							
T alpha-BHC	5.566	5.563 f	755	54780	0.011	0.213 #	ng/ml
T gamma-BHC	5.898	5.841	135164	109421	1.807	0.421 #	ng/ml
T beta-BHC	5.996	5.938	7089	330689	0.199	2.345 #	ng/ml
T delta-BHC	6.155	6.190	423413	2663412	4.608	6.426 #	ng/ml
T Heptachlor	6.360	6.336	165756	1068644	2.134	3.369 #	ng/ml
T Aldrin	6.745	6.749	257254	123038	3.187	0.447 #	ng/ml
T Heptachlor epoxide	7.602	7.512	219476	648063	2.790	2.403	ng/ml
T gamma-Chlordane	7.683	7.828	22732	773454	0.340	2.652 #	ng/ml
T alpha-Chlordane	7.992	8.112	2645	4717	0.040	0.021 #	ng/ml

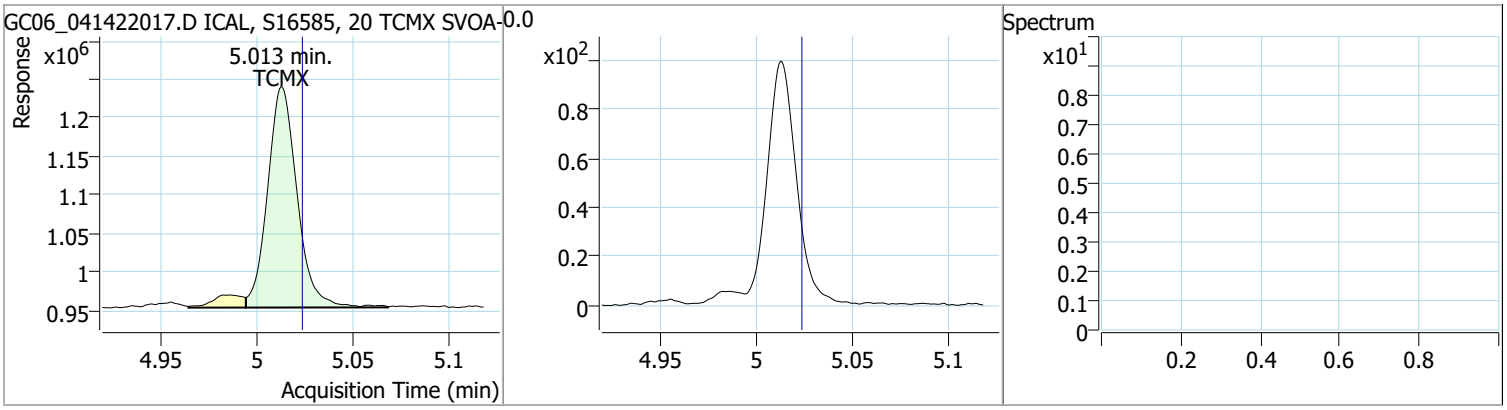
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.278	8.229	99753	2198	1.600	0.011 #	ng/ml
T 4,4'-DDE	8.048	8.378 f	179763	14782	2.722	0.071 #	ng/ml
T Dieldrin	8.623	8.835	571239	710390	7.040	2.915 #	ng/ml
T Endrin	9.219	9.522	790521	410212	9.663	1.893 #	ng/ml
T 4,4'-DDD	9.314	9.756	93460	111688	1.919	0.594 #	ng/ml
T Endosulfan II	9.670	9.936 f	22069	2012533	0.339	7.401 #	ng/ml
T 4,4'-DDT	9.863	10.239	54818	2962599	0.923	10.030 #	ng/ml
T Endrin aldehyde	10.336	10.374	412676	1362745	7.425	6.878	ng/ml
T Endosulfan sulfate	10.933	10.768	2493	1662139	0.044	7.276 #	ng/ml
T Methoxychlor	10.592	11.068 f	47842	3275638	1.367	24.375 #	ng/ml
T Endrin ketone	11.200	11.468 f	219505	2374924	2.920	7.988 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

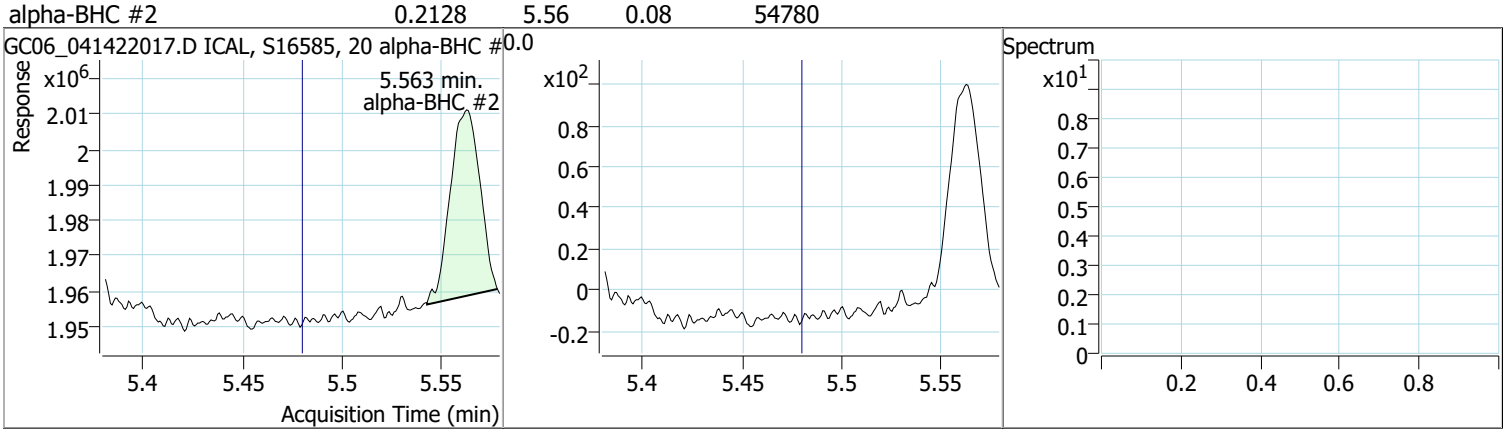
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	4.1277	4.90	0.00	1020196			



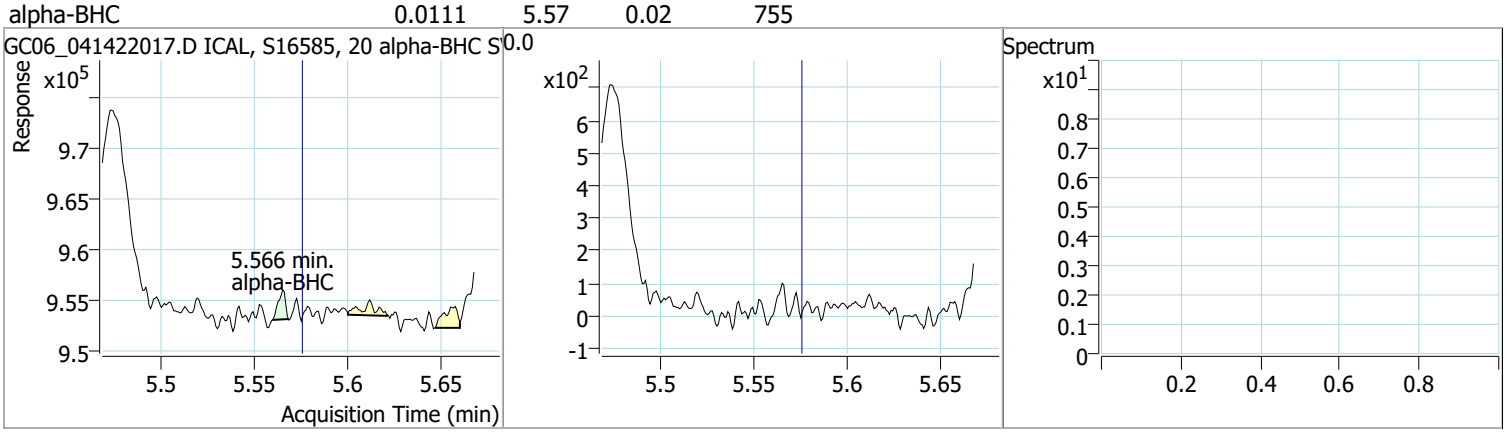
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	4.1854	5.01	0.01	308808			



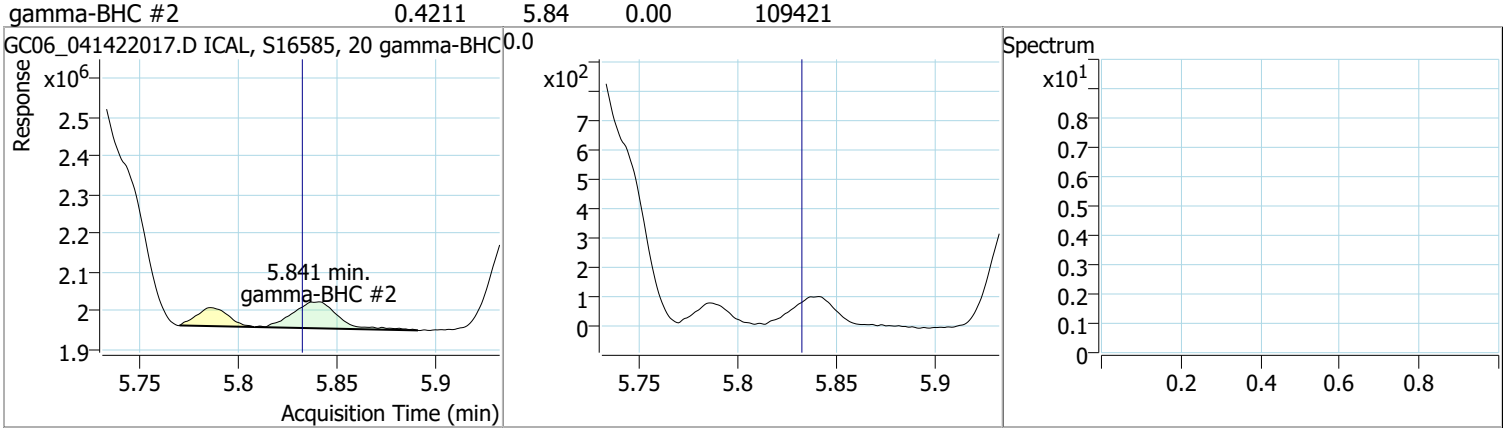
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	0.2128	5.56	0.08	54780			



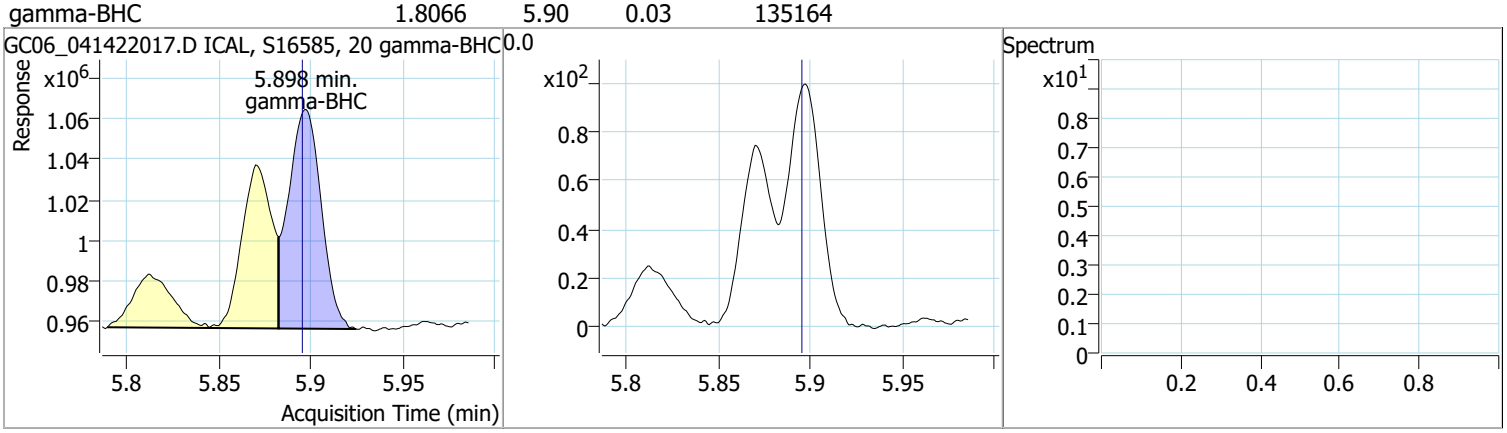
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC	0.0111	5.57	0.02	755			



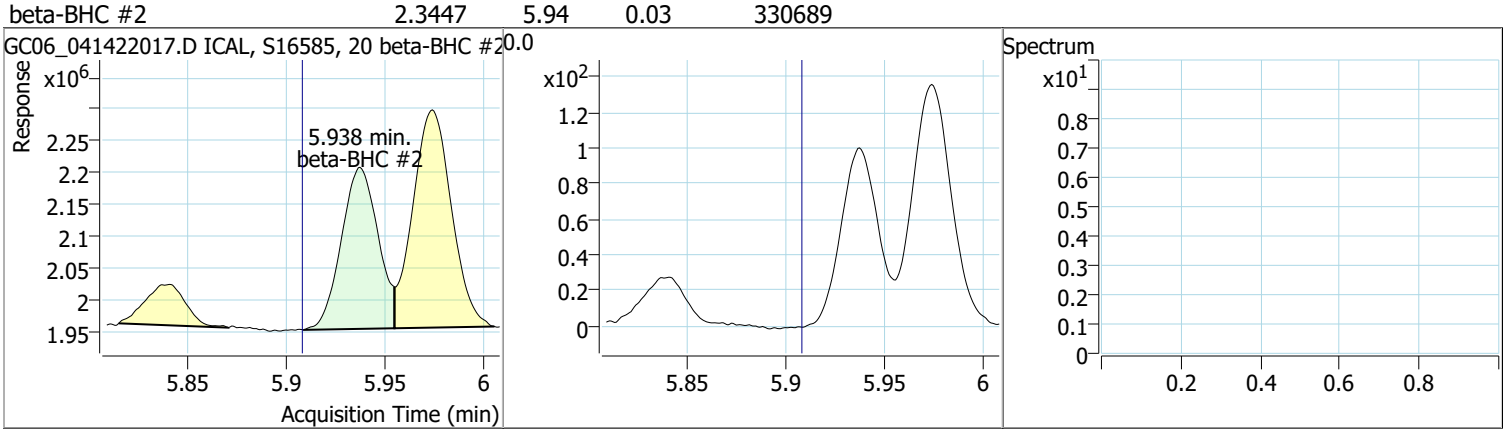
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	0.4211	5.84	0.00	109421			



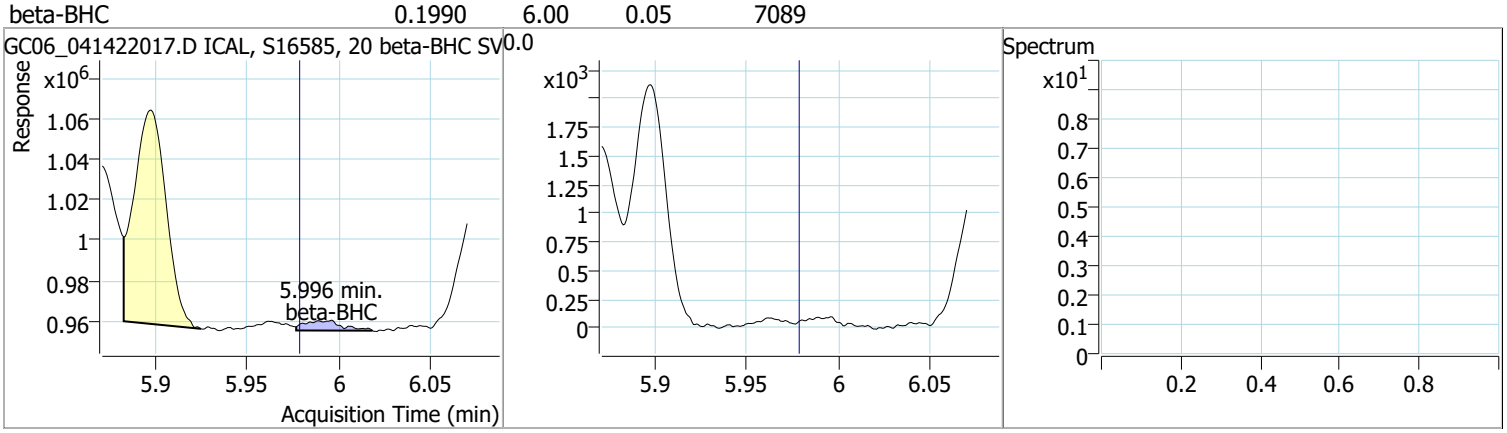
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	1.8066	5.90	0.03	135164			



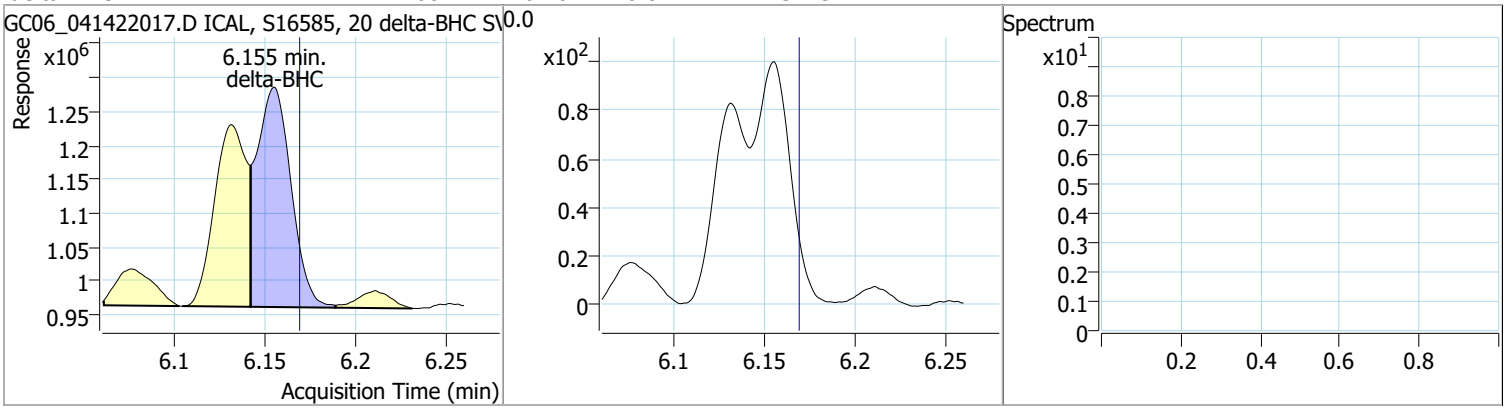
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	2.3447	5.94	0.03	330689			



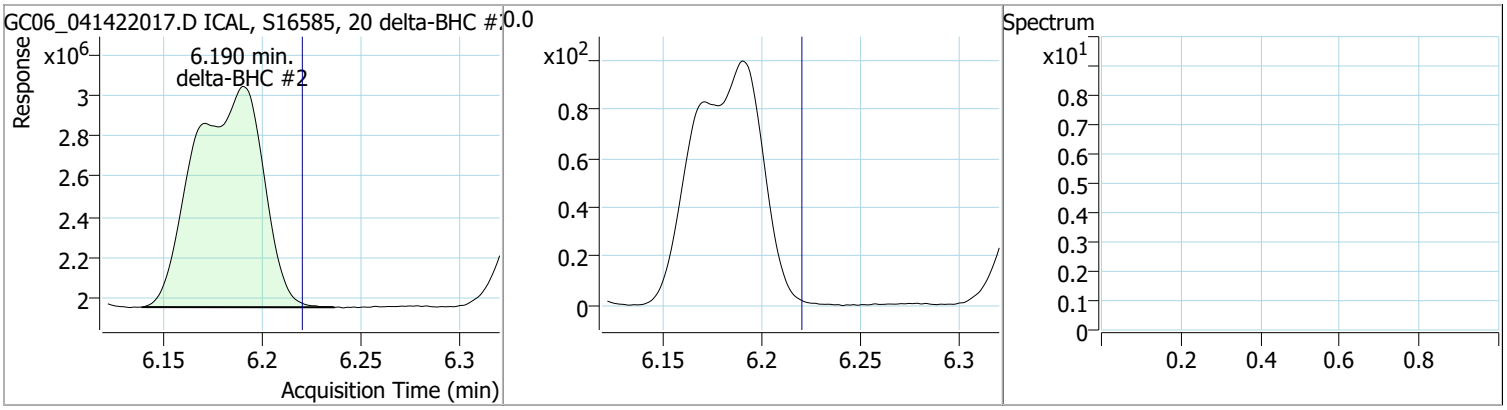
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	0.1990	6.00	0.05	7089			



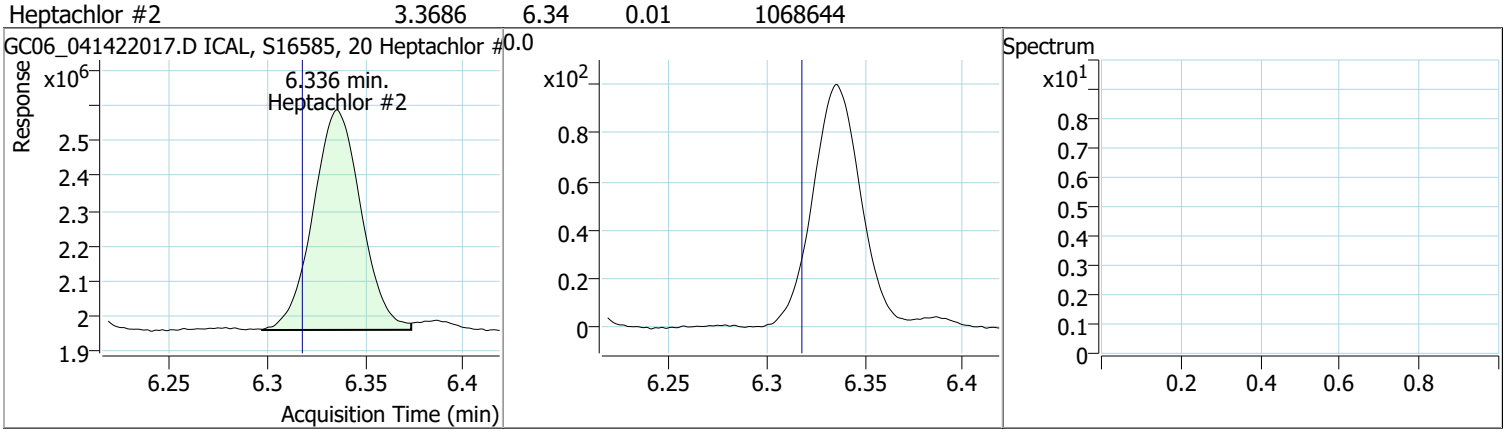
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	4.6077	6.16	0.02	423413			



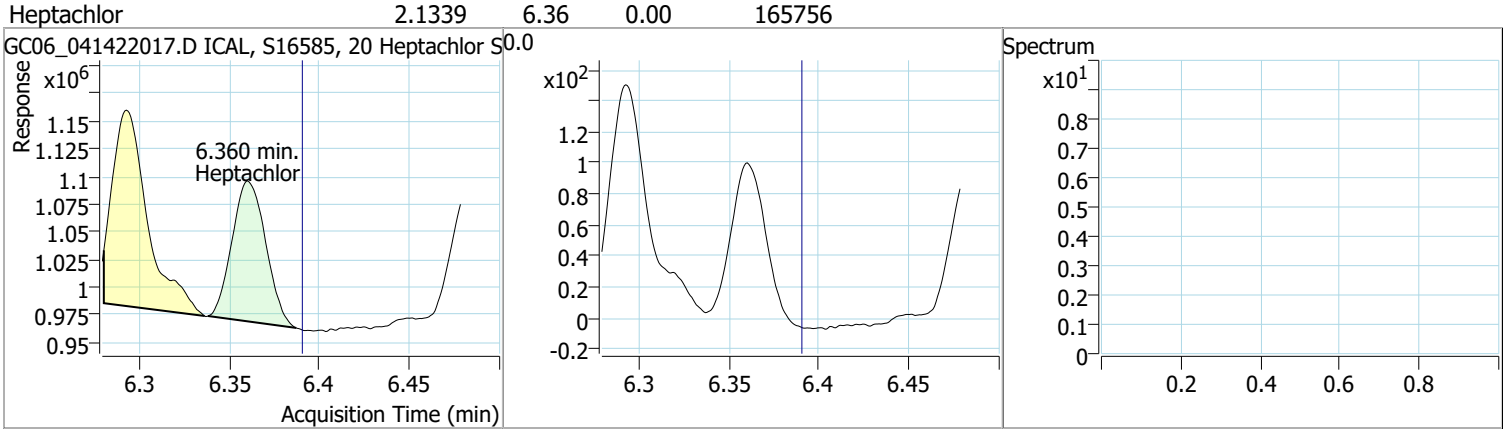
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	6.4261	6.19	-0.03	2663412			



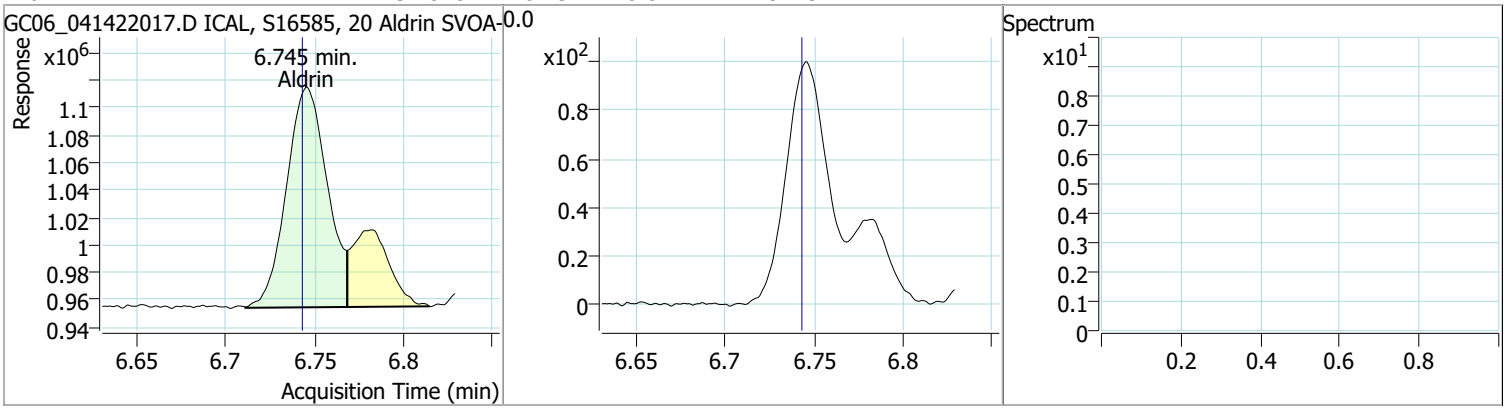
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	3.3686	6.34	0.01	1068644			



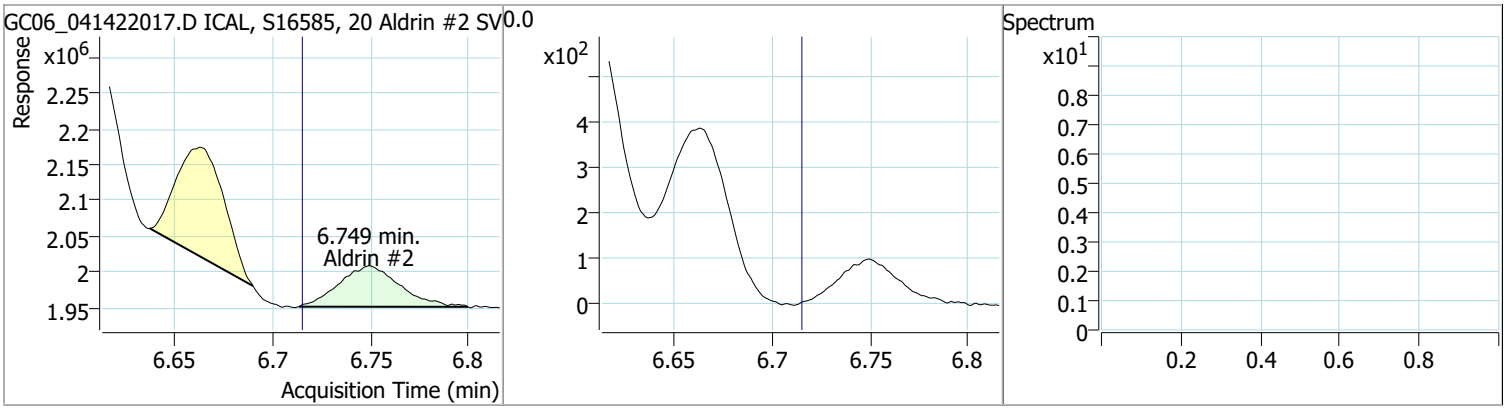
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	2.1339	6.36	0.00	165756			



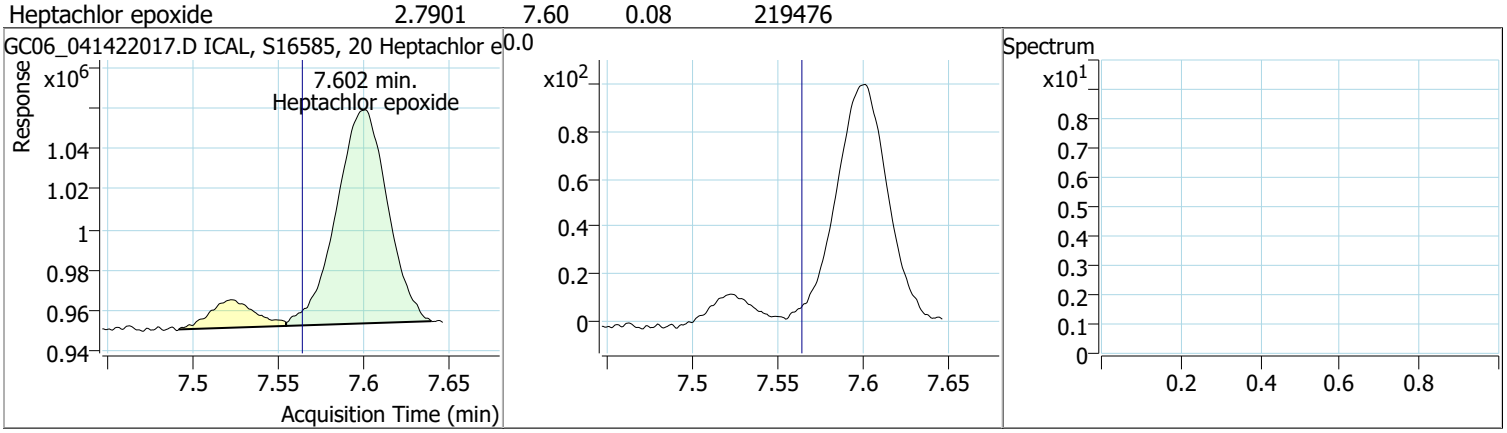
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	3.1870	6.75	0.04	257254			



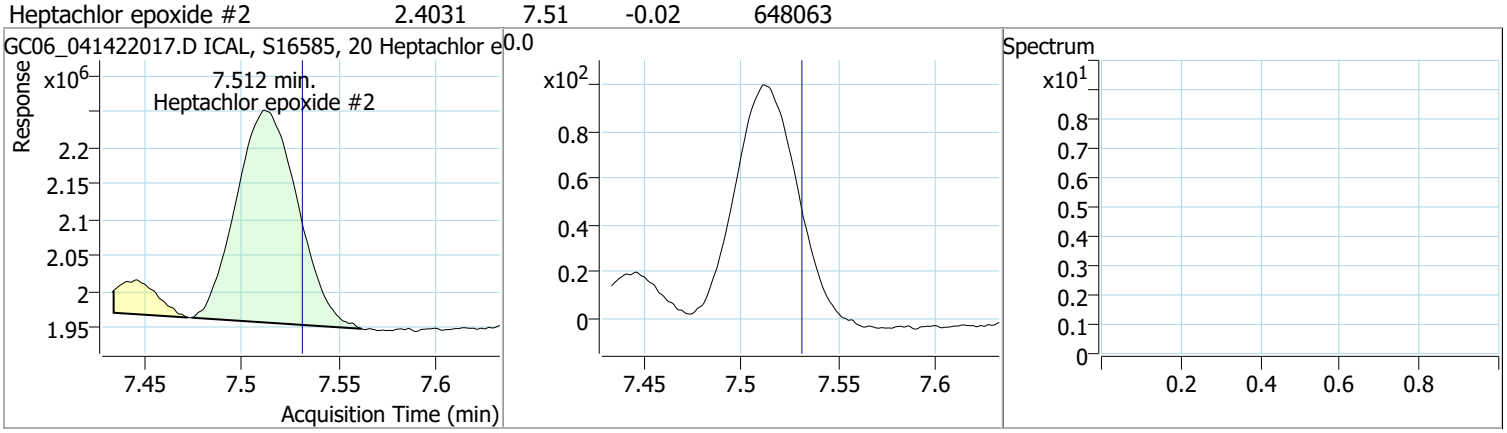
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	0.4474	6.75	0.03	123038			



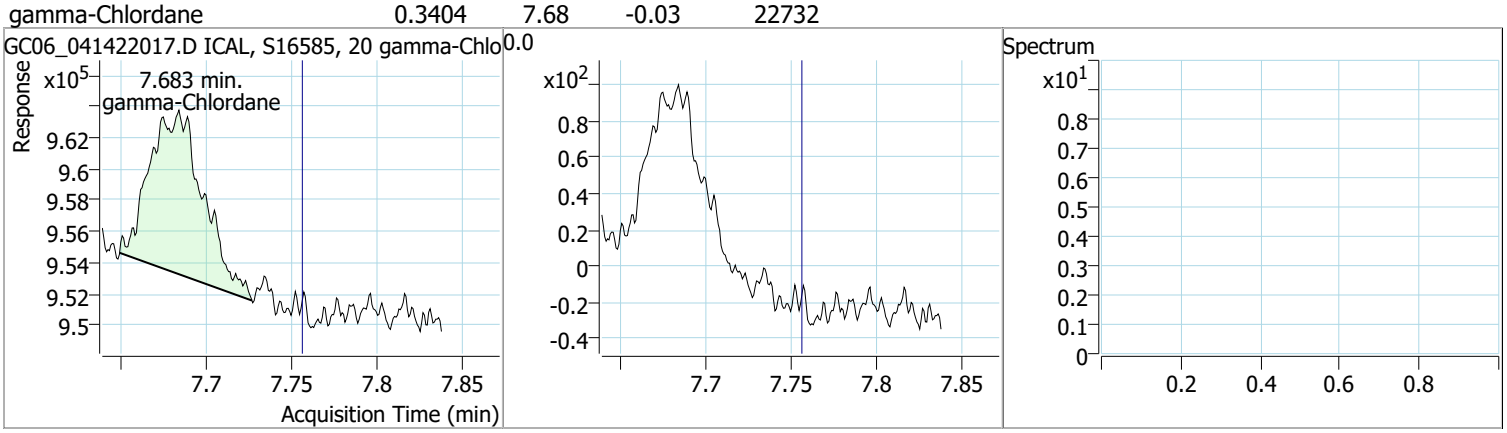
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	2.7901	7.60	0.08	219476			



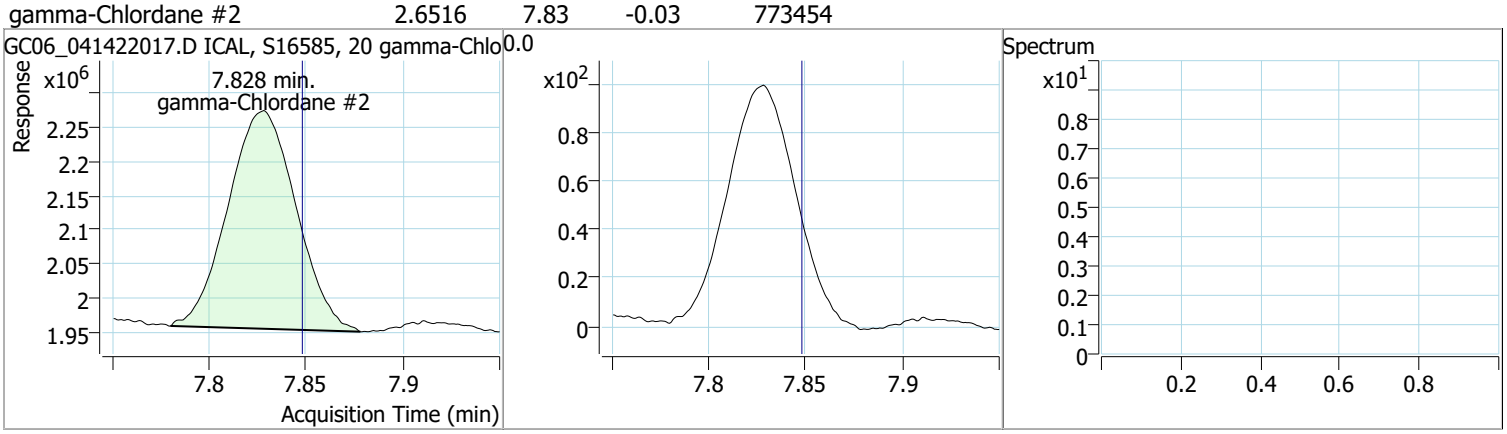
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	2.4031	7.51	-0.02	648063			



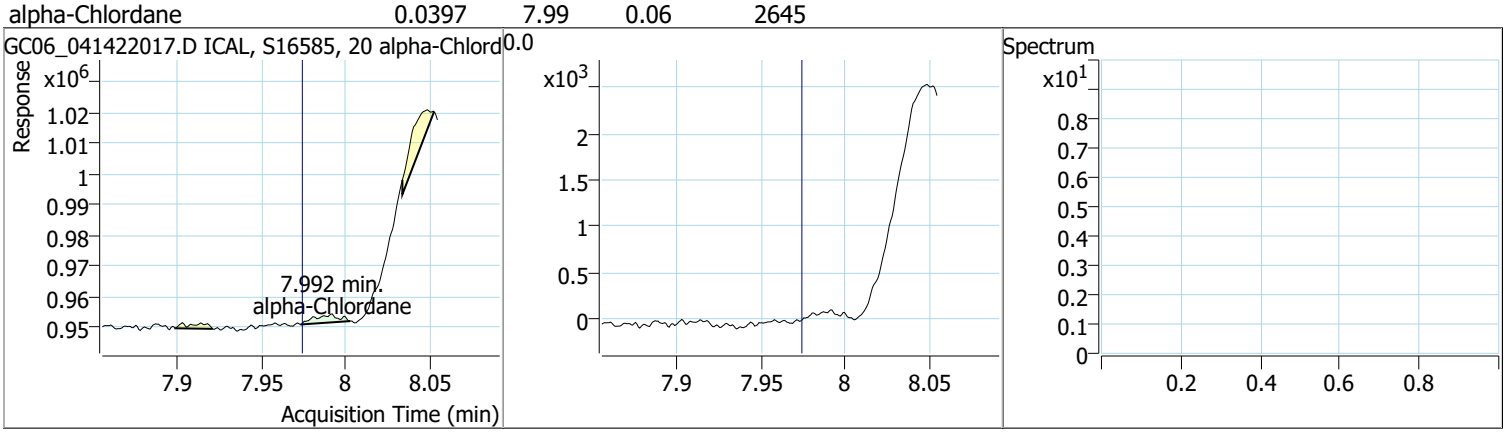
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.3404	7.68	-0.03	22732			



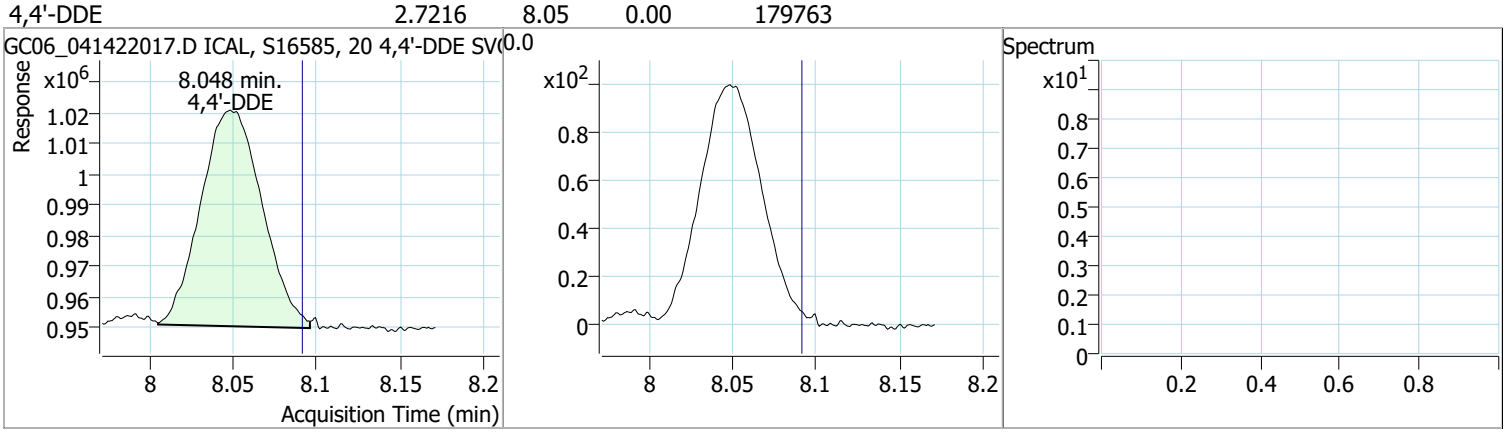
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	2.6516	7.83	-0.03	773454			



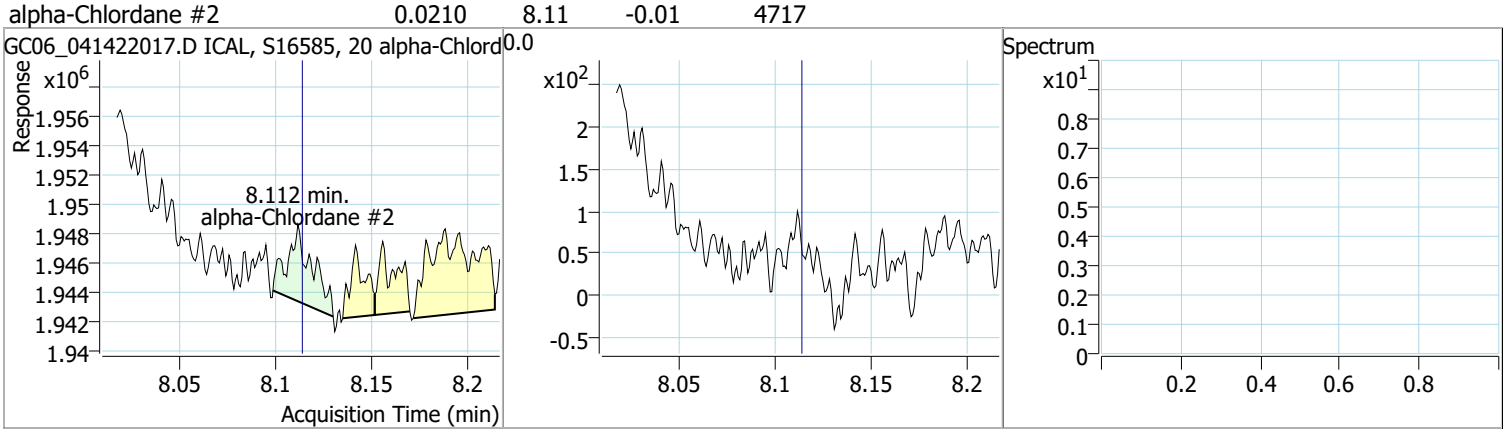
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	0.0397	7.99	0.06	2645			



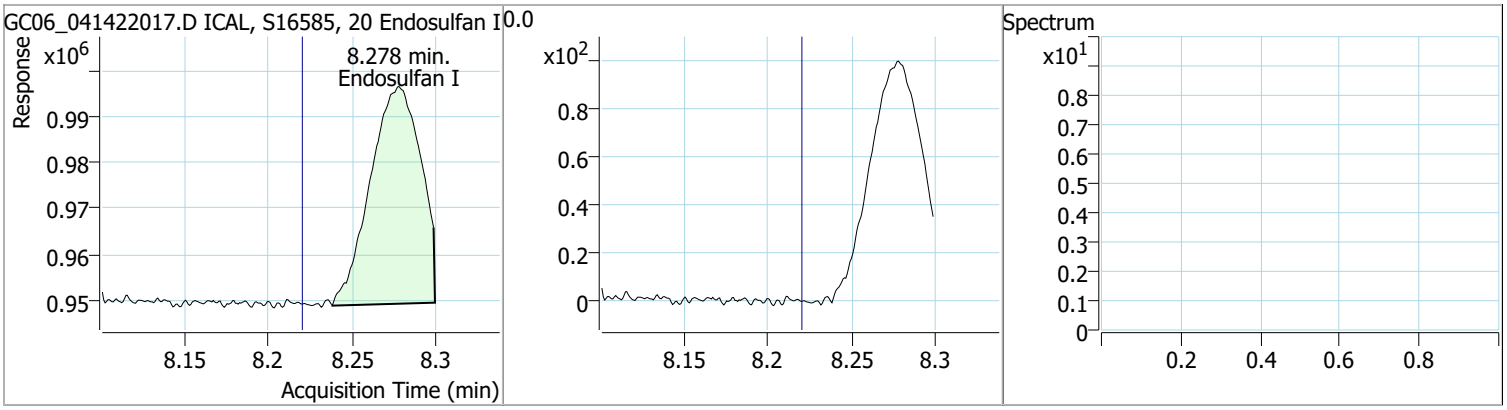
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	2.7216	8.05	0.00	179763			



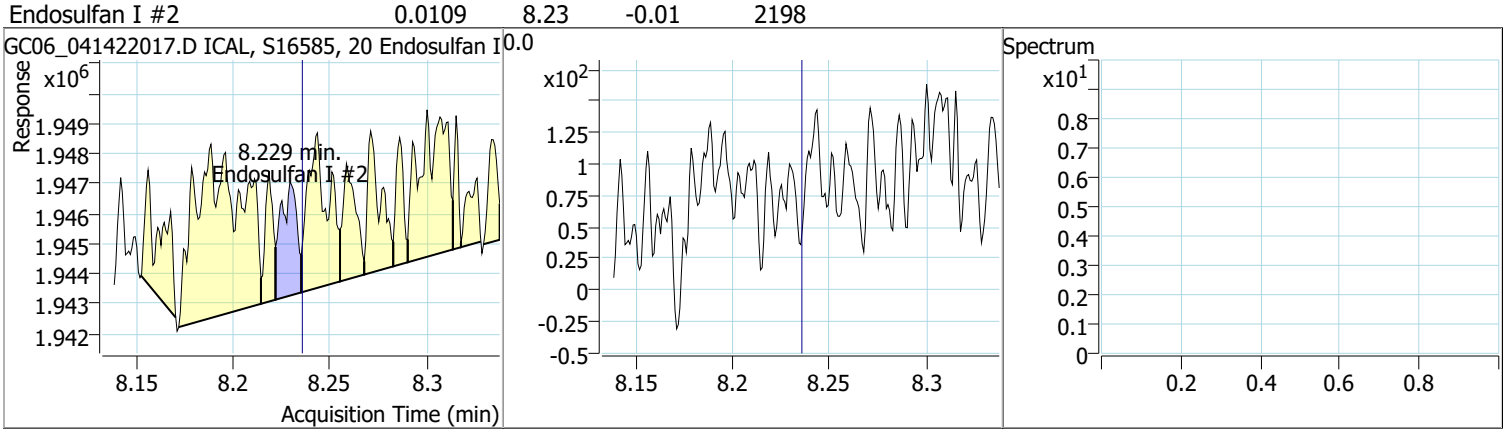
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0210	8.11	-0.01	4717			



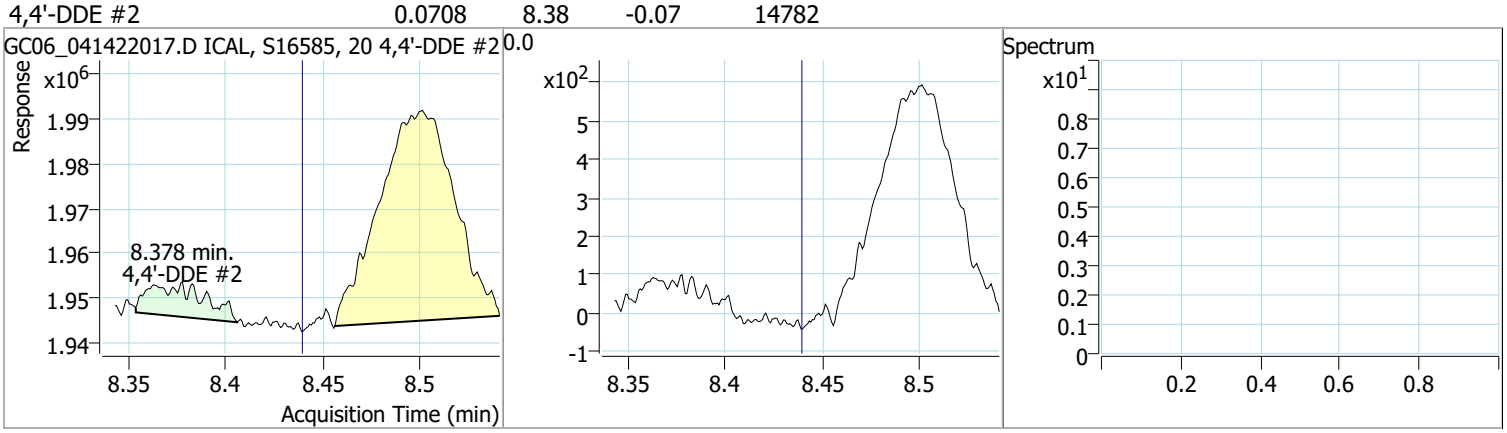
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	1.6001	8.28	0.10	99753			



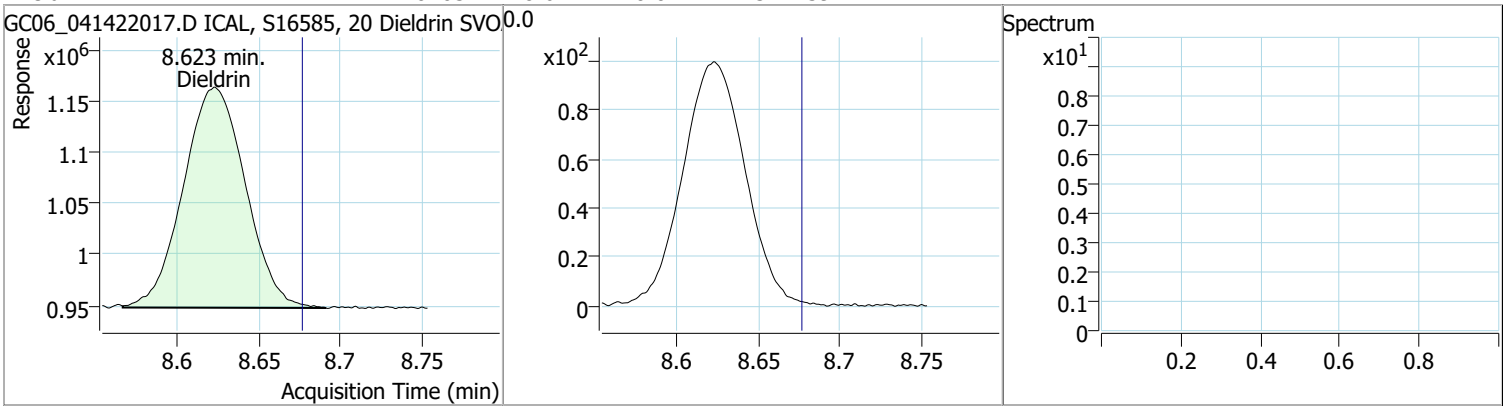
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.0109	8.23	-0.01	2198			



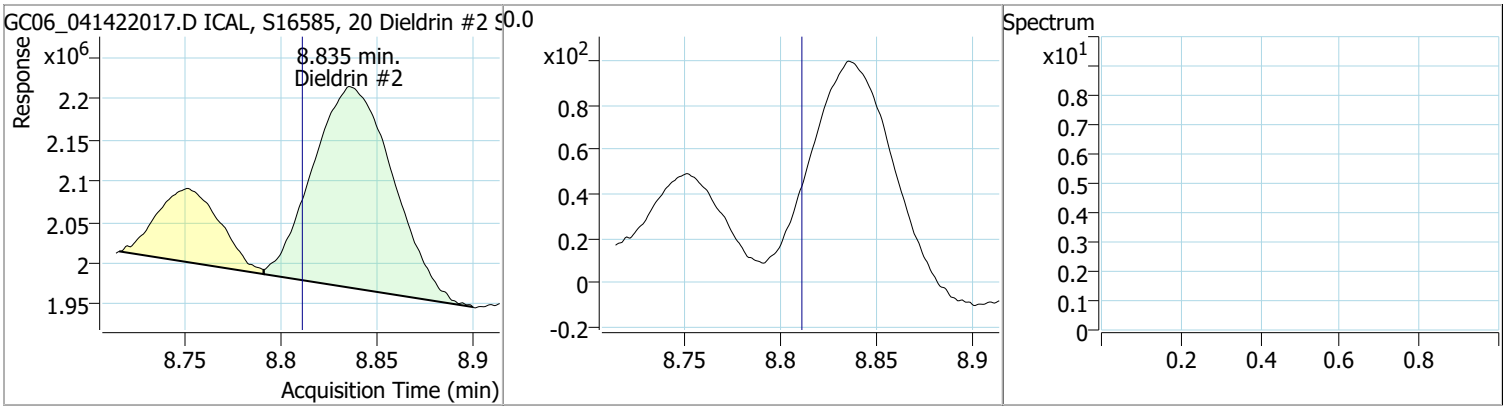
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	0.0708	8.38	-0.07	14782			



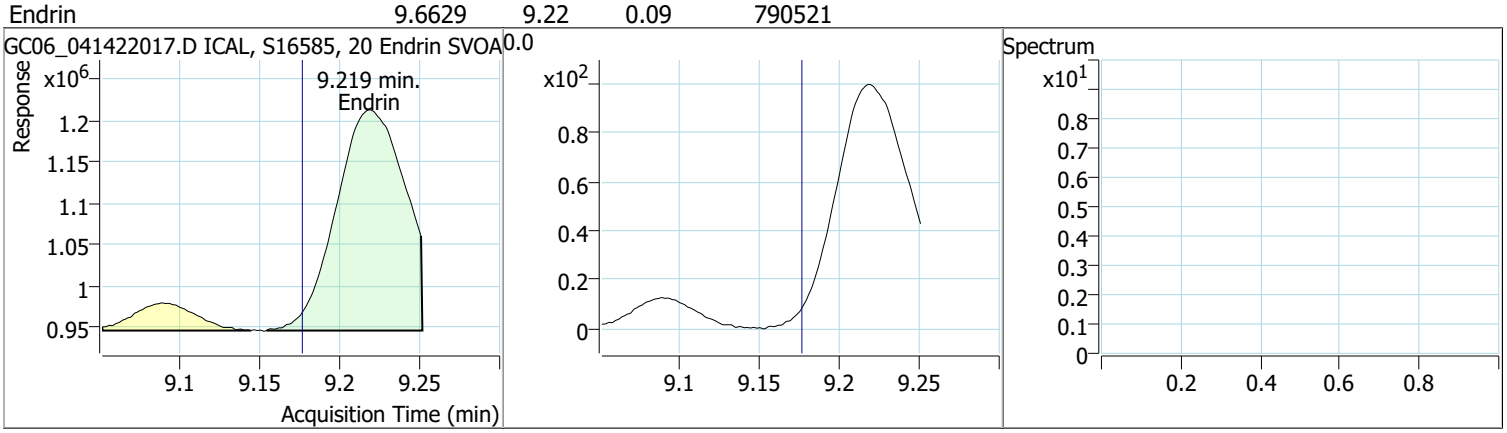
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Dieldrin	7.0403	8.62	-0.01	571239		



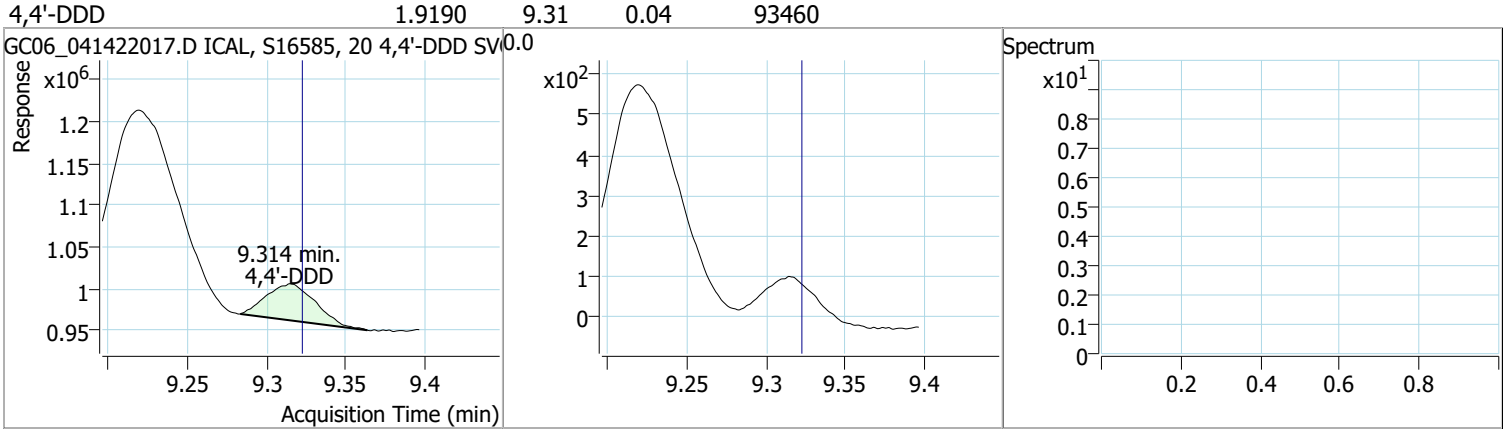
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	2.9149	8.84	0.02	710390		



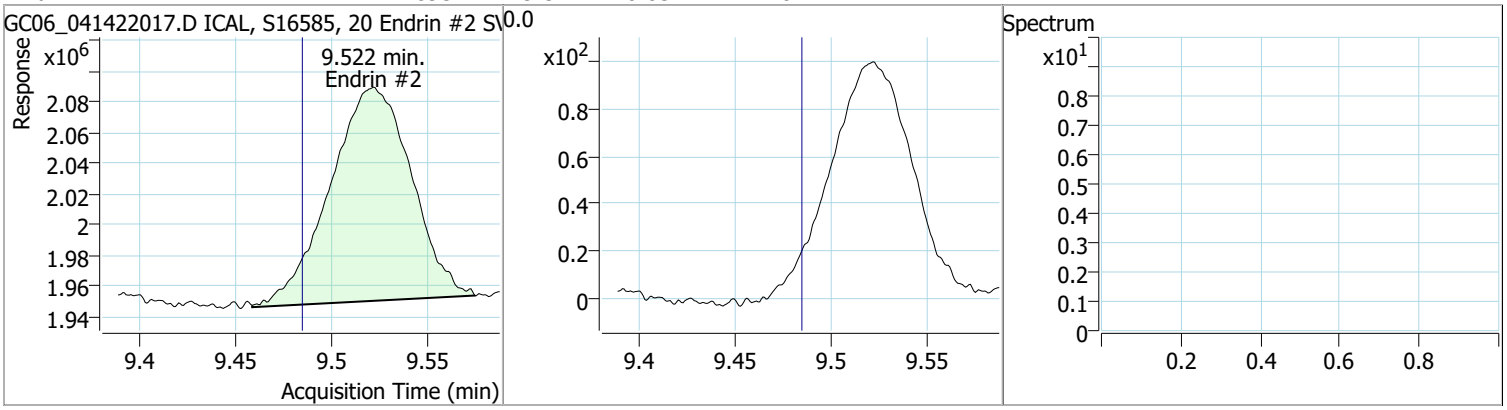
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endrin	9.6629	9.22	0.09	790521		



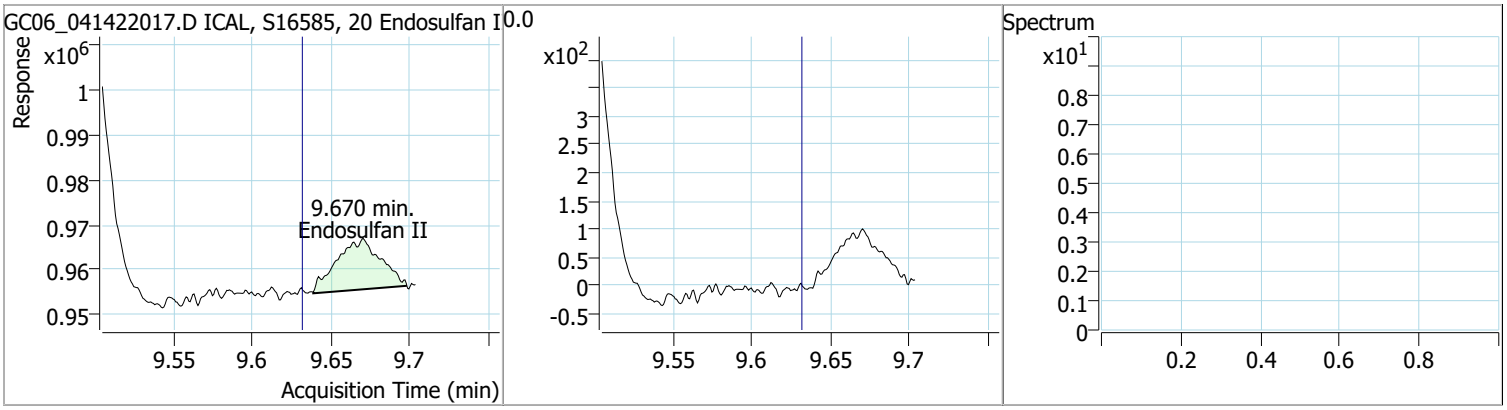
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	1.9190	9.31	0.04	93460		



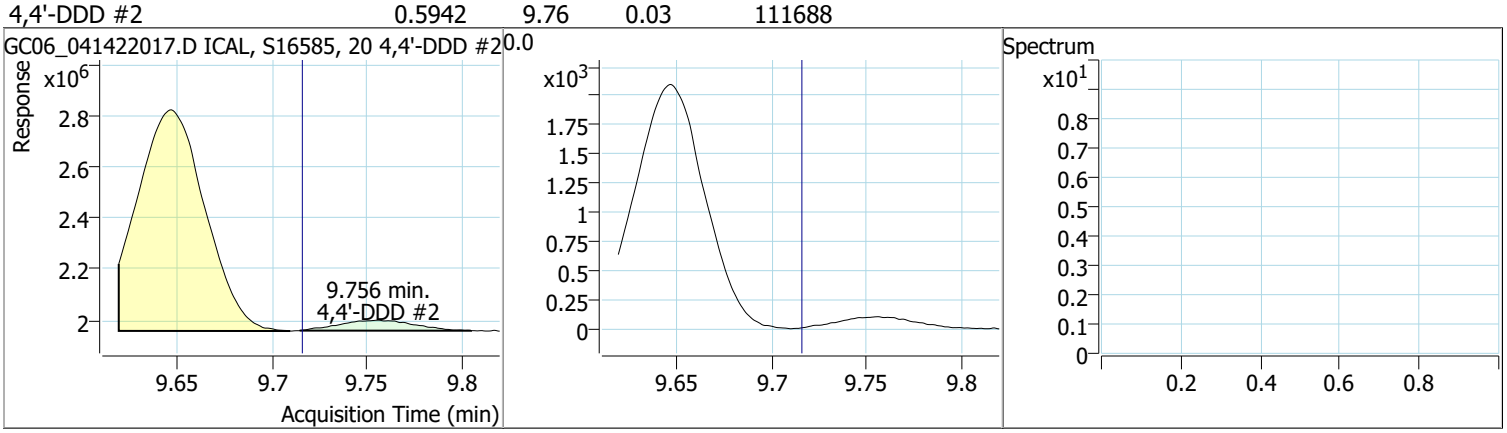
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	1.8932	9.52	0.03	410212			



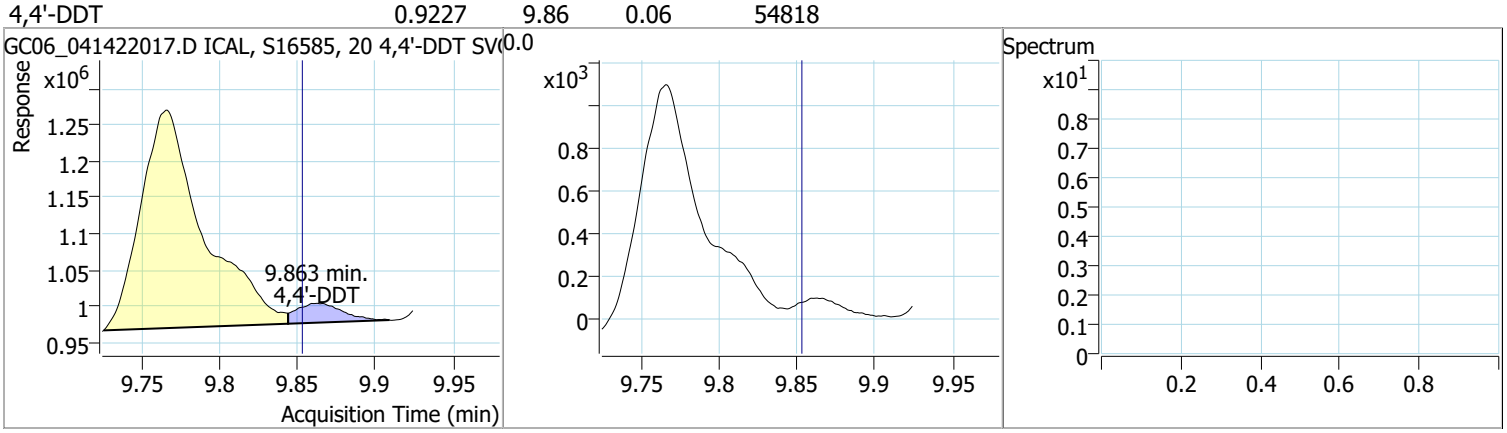
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	0.3393	9.67	0.09	22069			



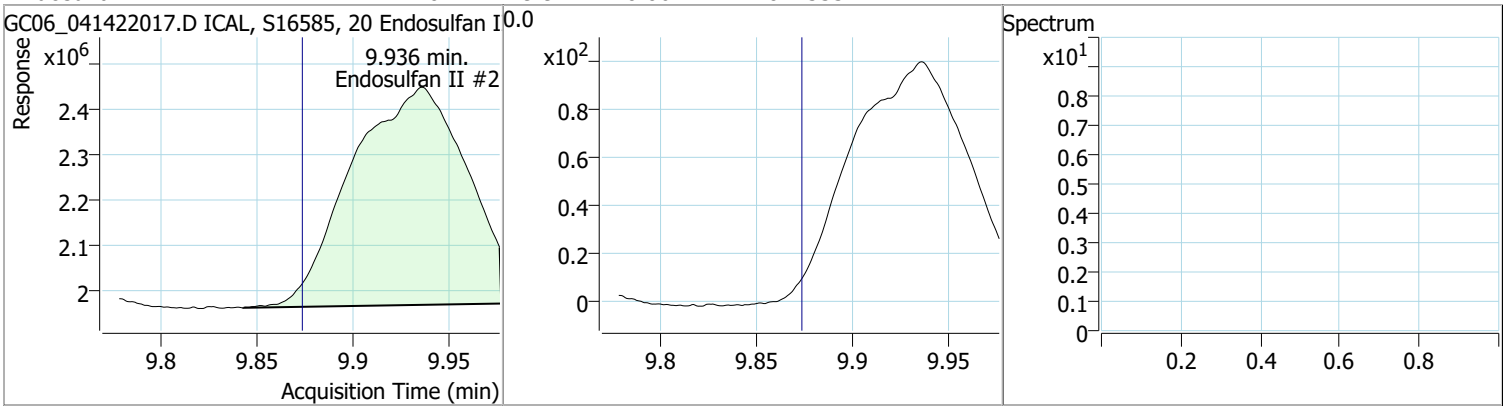
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	0.5942	9.76	0.03	111688			



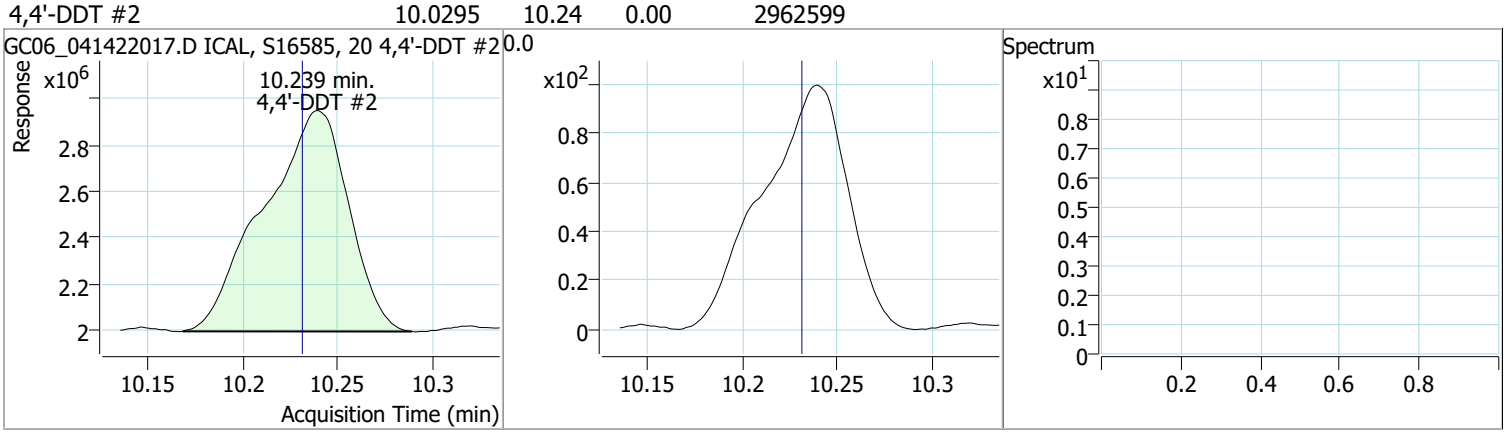
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	0.9227	9.86	0.06	54818			



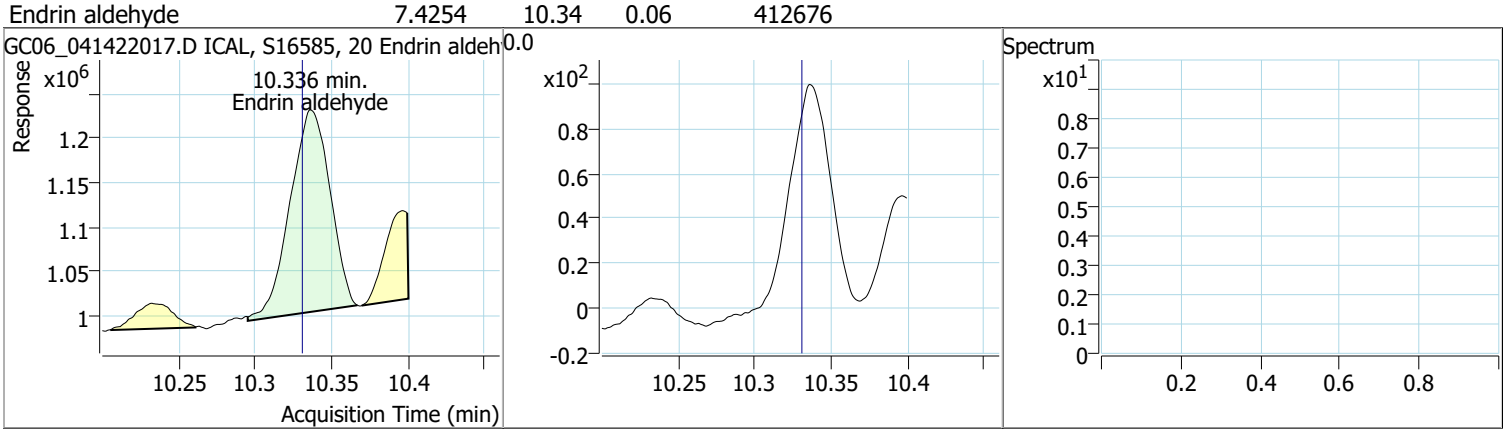
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	7.4014	9.94	0.06	2012533			



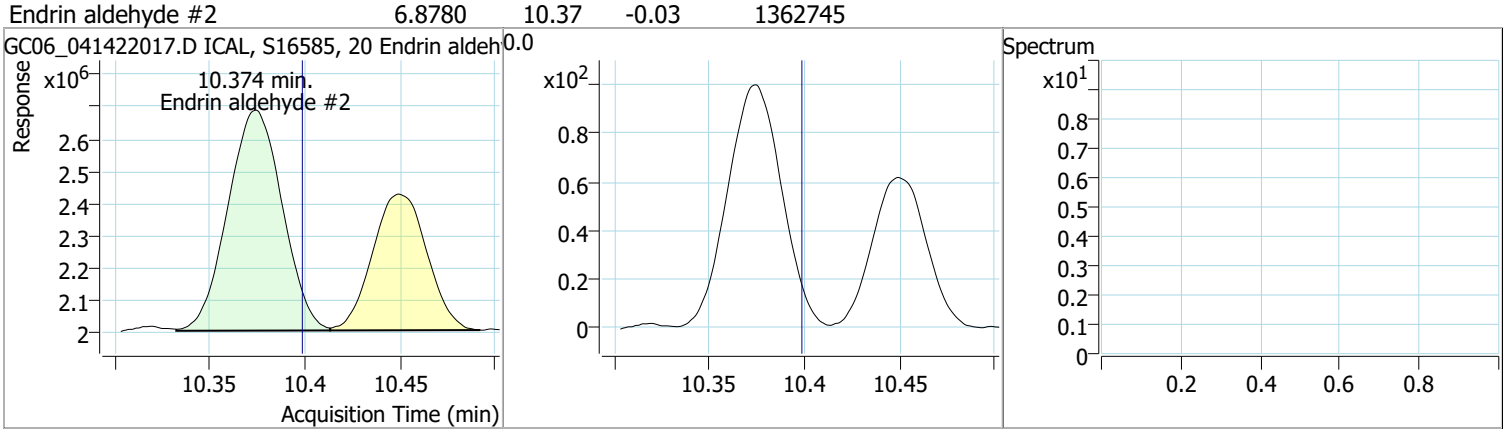
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	10.0295	10.24	0.00	2962599			



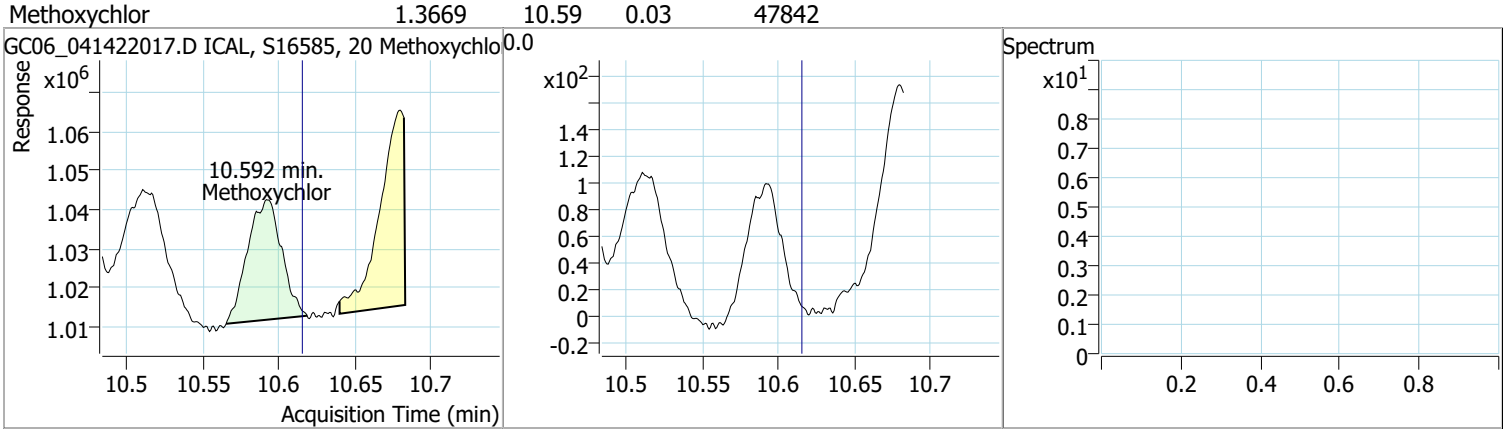
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	7.4254	10.34	0.06	412676			



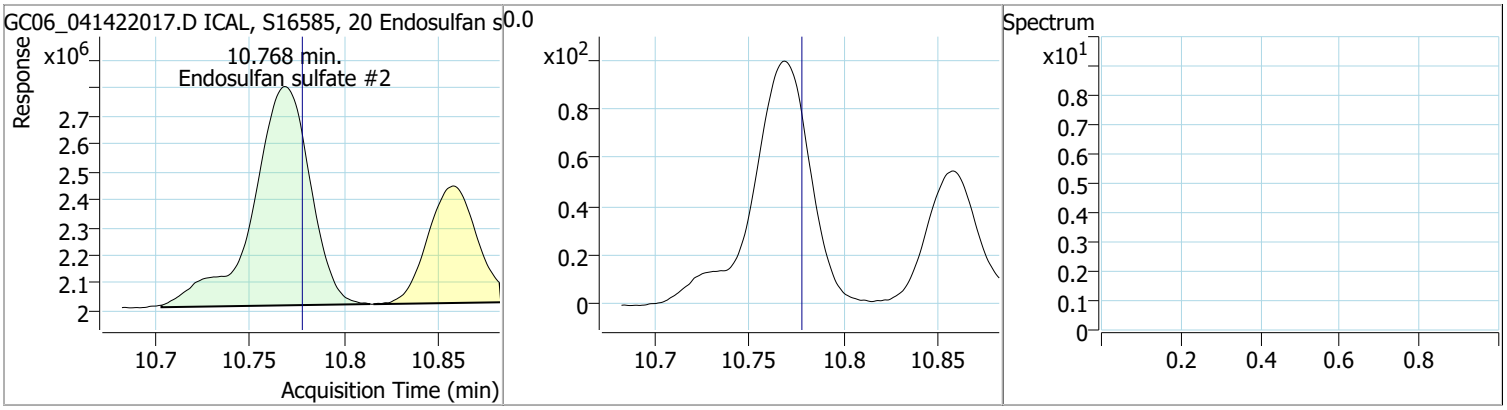
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	6.8780	10.37	-0.03	1362745			



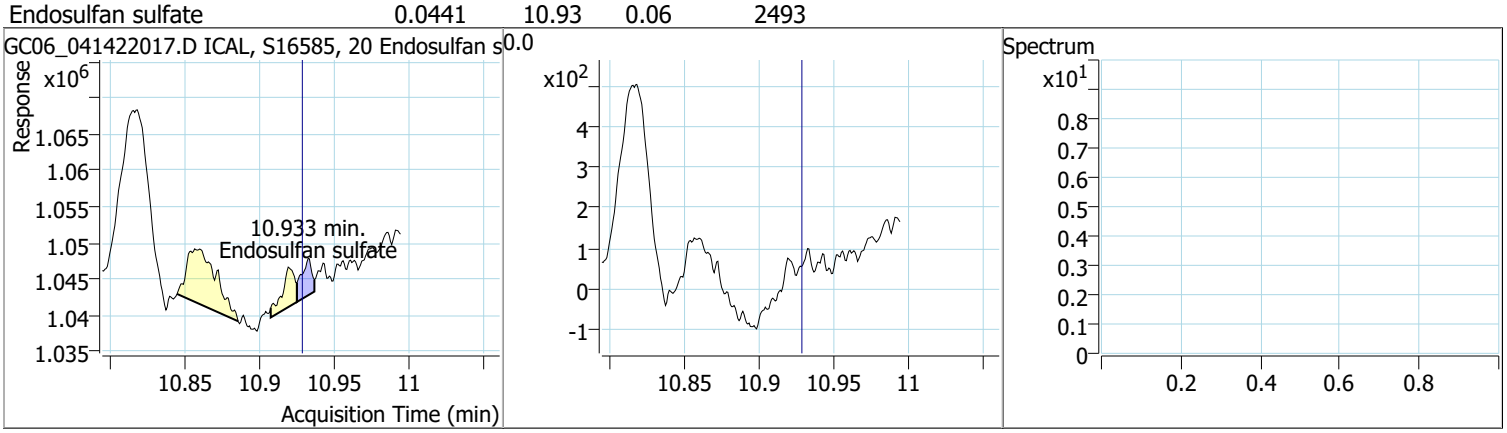
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	1.3669	10.59	0.03	47842			



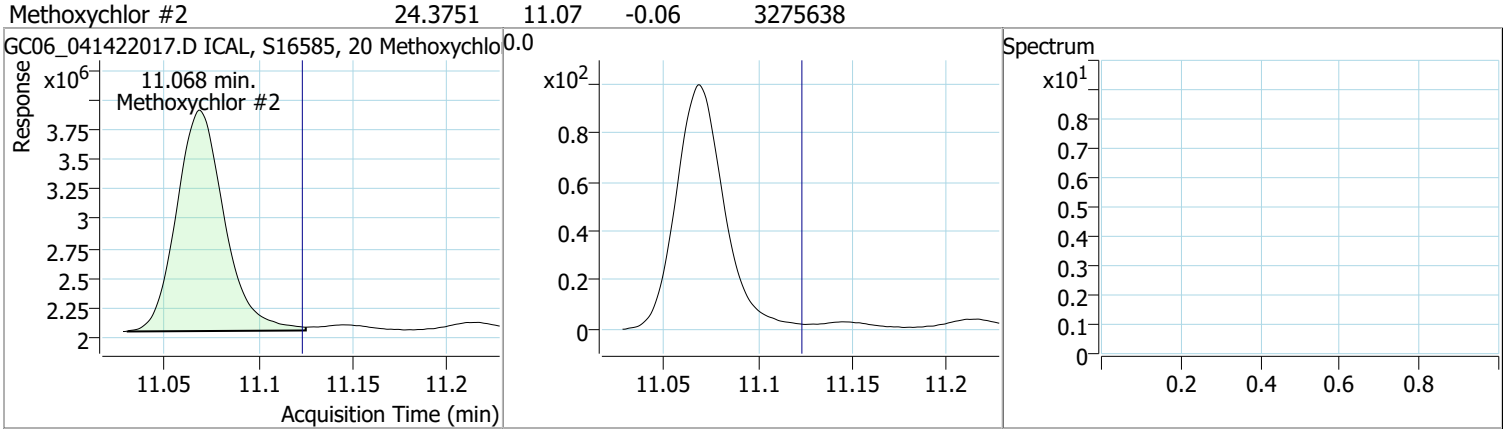
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	7.2755	10.77	-0.02	1662139			



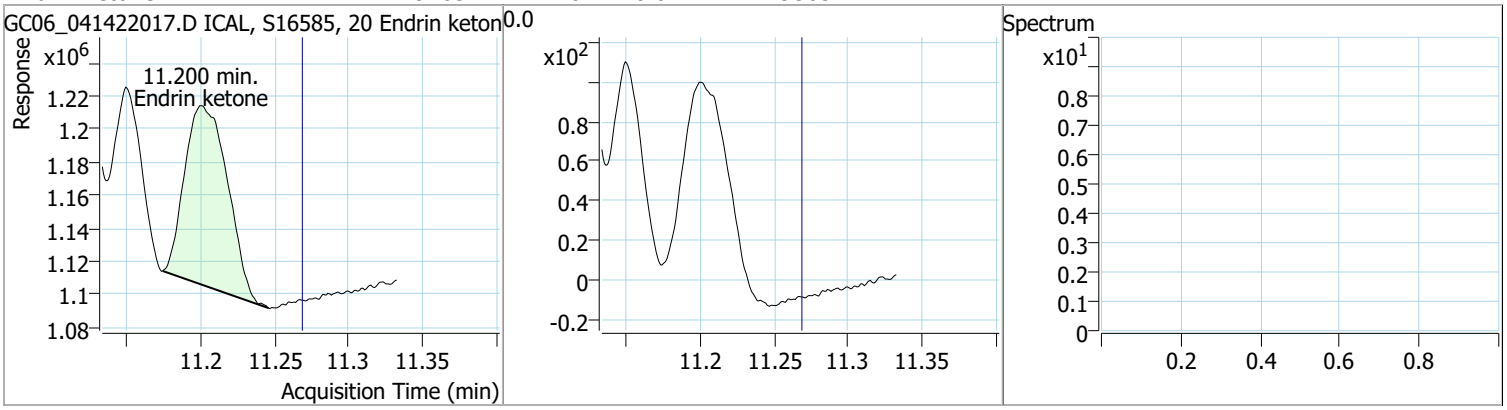
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	0.0441	10.93	0.06	2493			



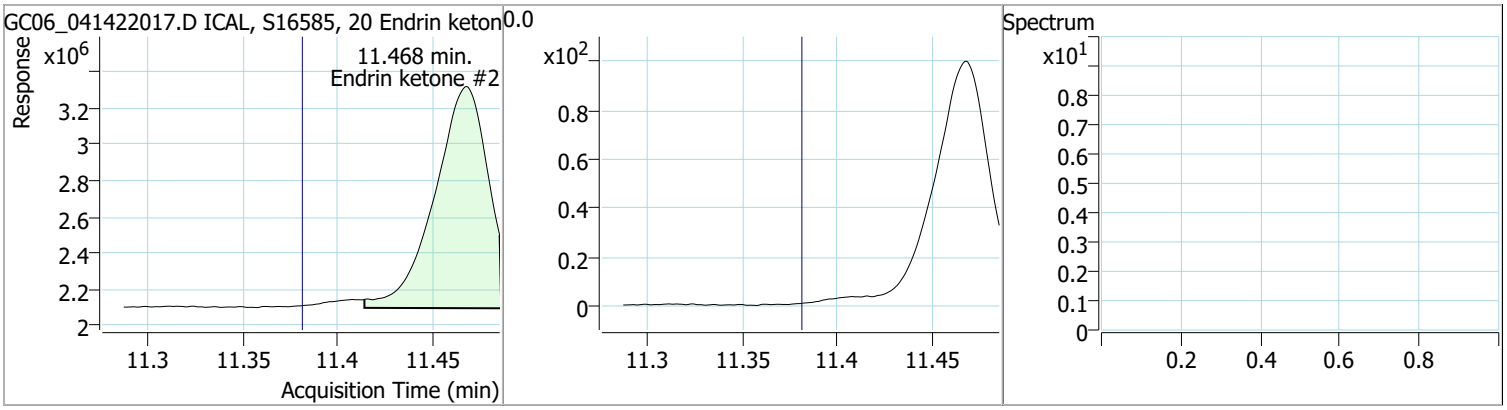
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	24.3751	11.07	-0.06	3275638			



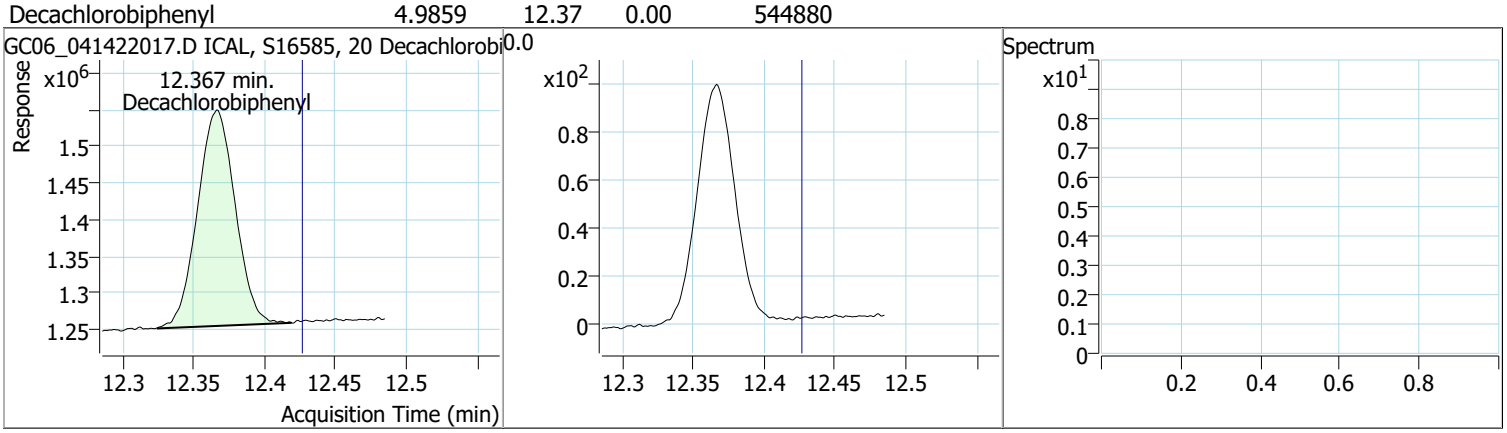
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	2.9203	11.20	-0.01	219505		



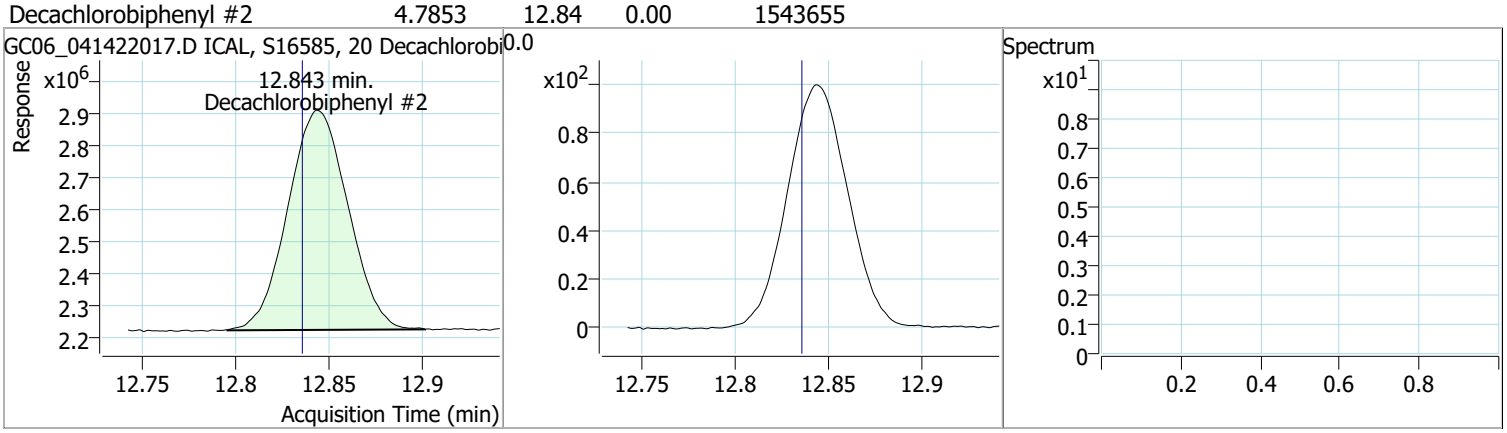
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	7.9882	11.47	0.08	2374924		



Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	4.9859	12.37	0.00	544880		

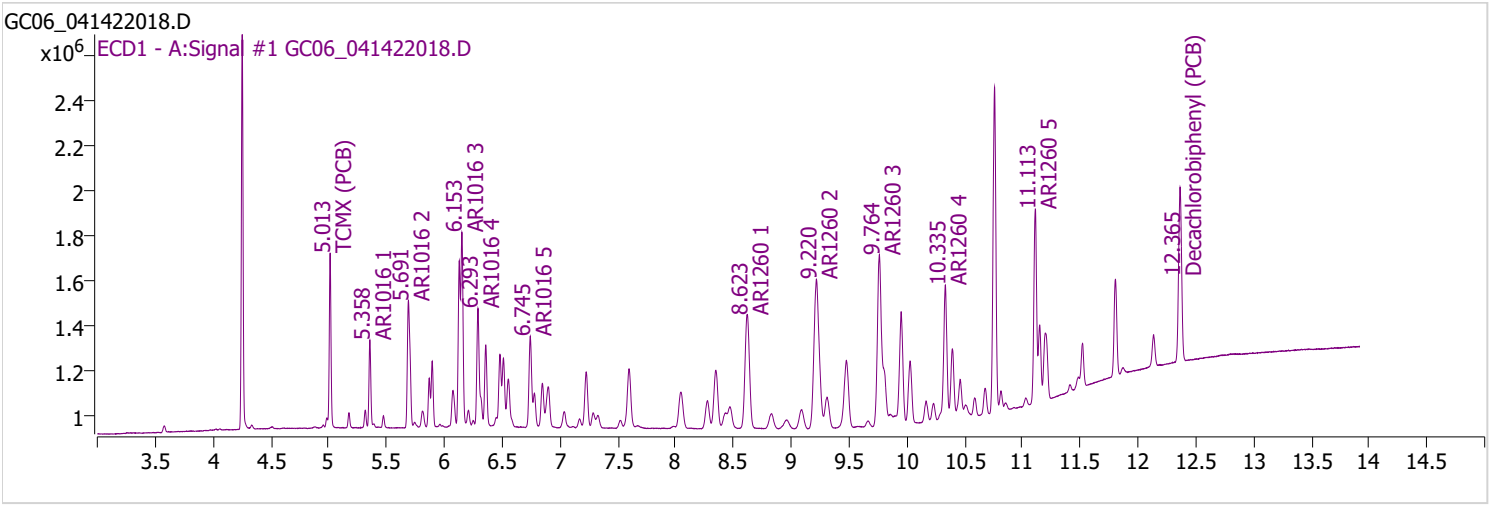


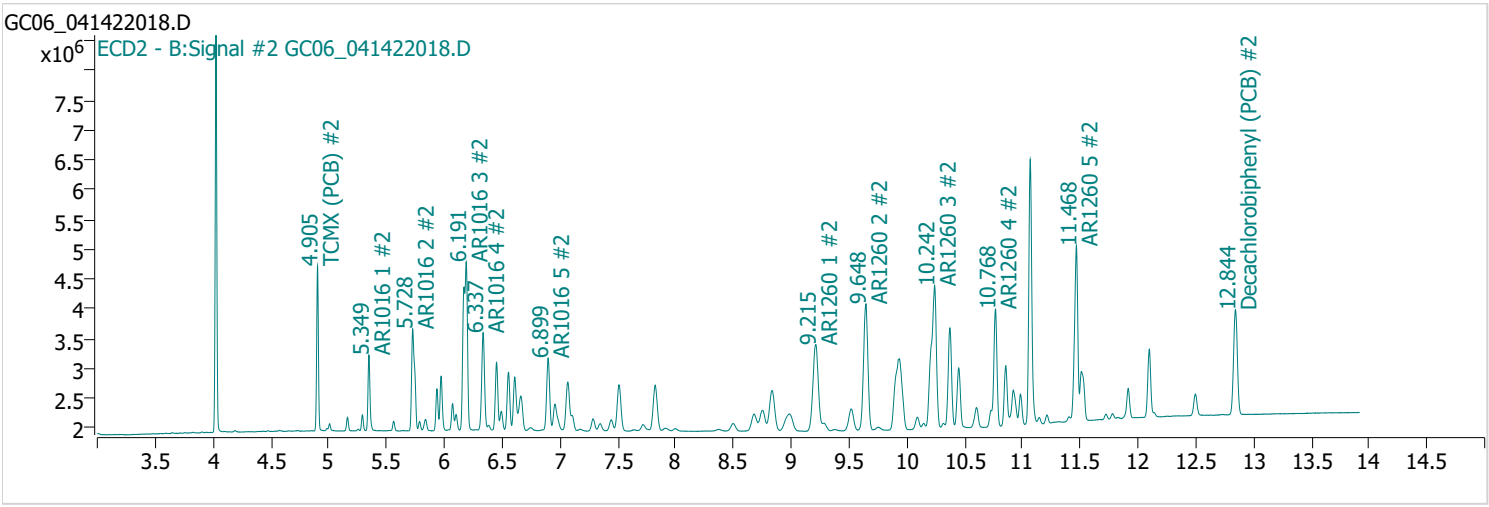
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	4.7853	12.84	0.00	1543655		



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422018.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:33:59 PM
Sample Name	ICAL, S16585, 8	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 114	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



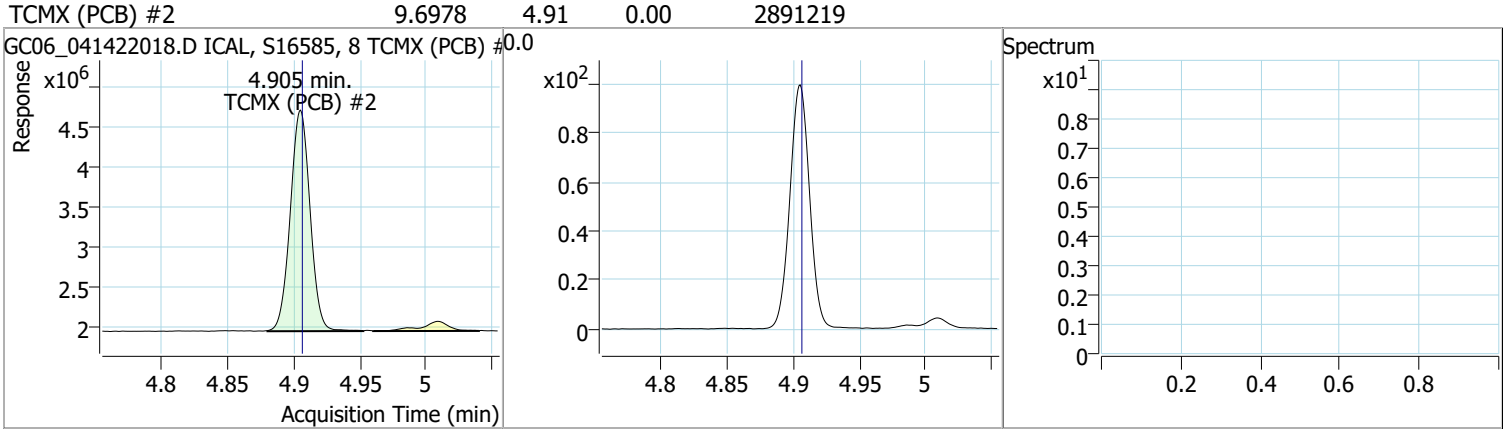


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.253	4.027	1820556	6508941	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.013	4.905	813524	2891219	9.290	9.698	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	46.45% *	48.49% *	
S Decachlorobiphenyl (PCB)	12.365	12.844	1430102	4047244	10.331	10.305	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	51.66%	51.52%	
Target Compounds							
T AR1016 1	5.358	5.349	457924	1557601	257.142	255.536	ng/ml
T AR1016 2	5.691	5.728	935259	3226343	241.201	255.057	ng/ml
T AR1016 3	6.153	6.191	1142128	4149358 m	250.277	248.730	ng/ml
T AR1016 4	6.293	6.337	848628	2863787	248.499	253.035	ng/ml
T AR1016 5	6.745	6.899	654329	2208069	247.696	249.541	ng/ml
T AR1260 1	8.623	9.215	1377678	4761062 m	240.459	241.679	ng/ml
T AR1260 2	9.220	9.648	2113917	5557383	239.550	244.145	ng/ml
T AR1260 3	9.764	10.242	2170500	7428428	236.600	240.203	ng/ml
T AR1260 4	10.335	10.768	1089495	4107005	238.800	245.423	ng/ml

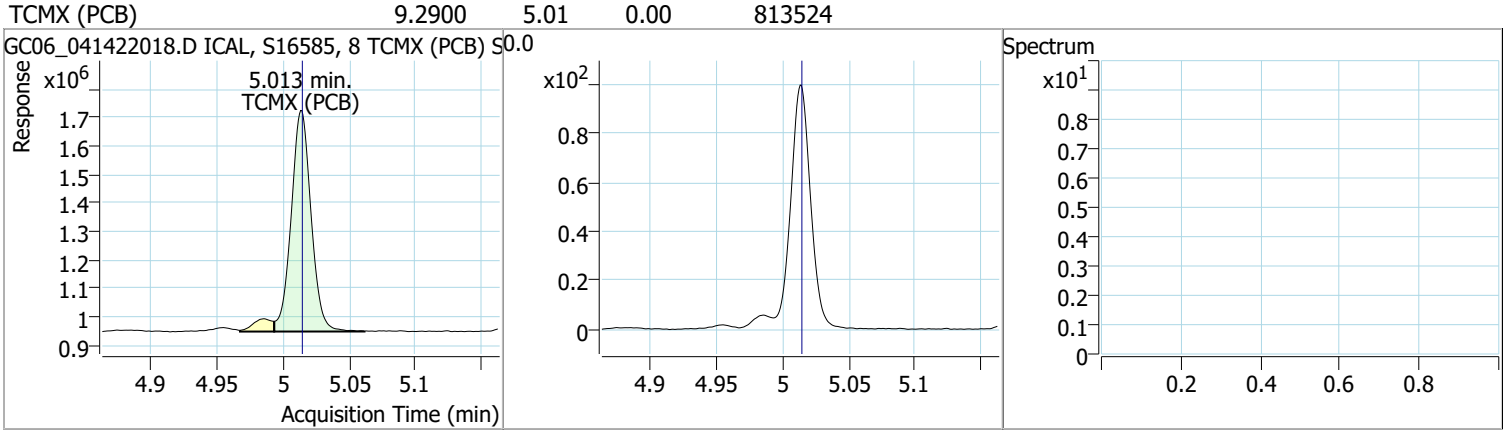
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.113	11.468	1425557	5858491	236.080	237.454	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

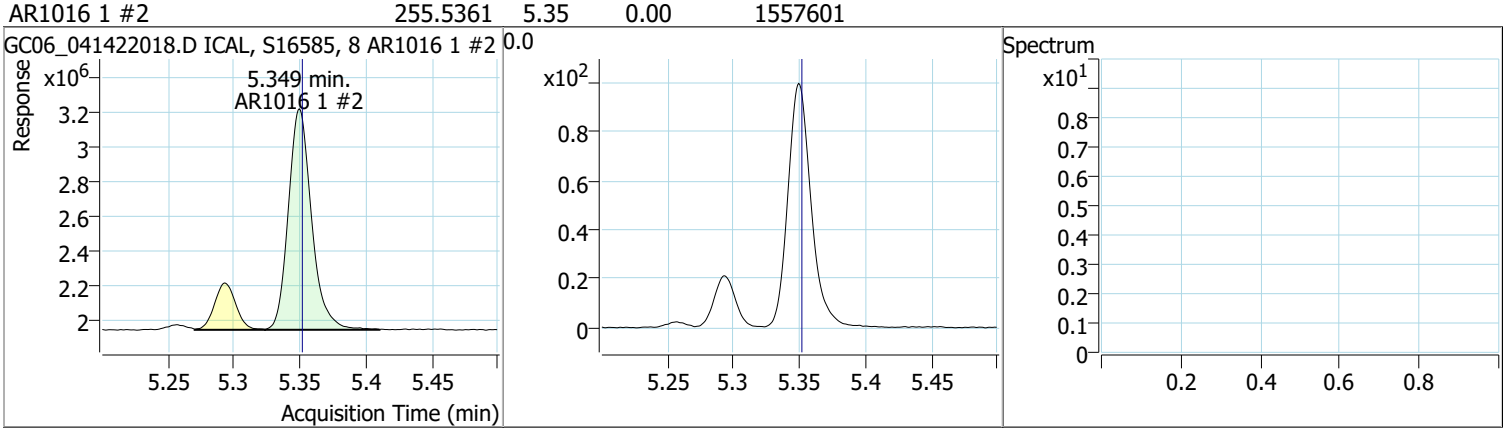
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	9.6978	4.91	0.00	2891219			



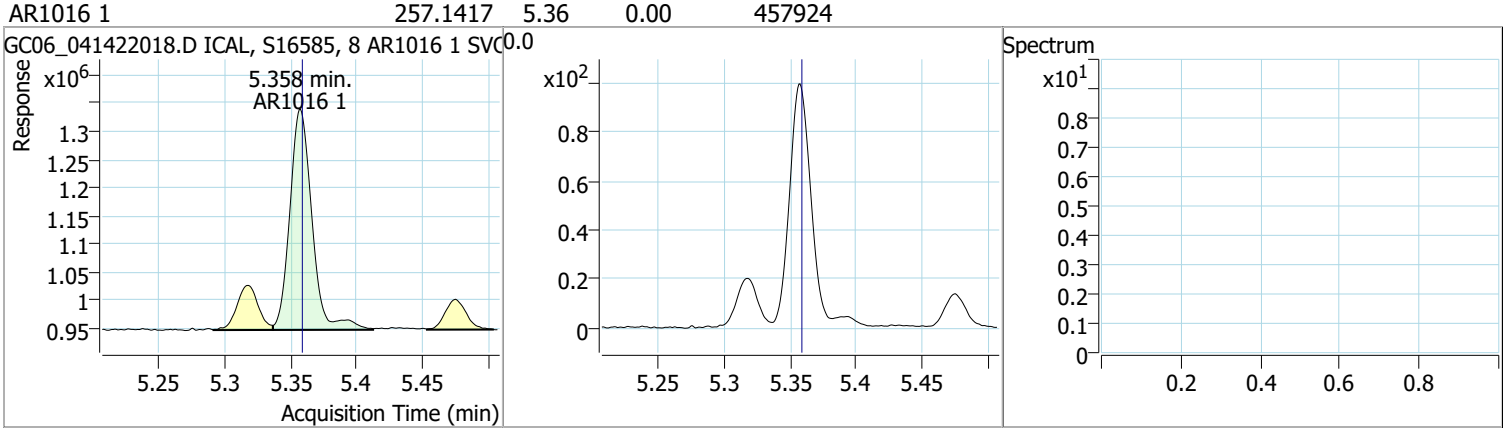
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	9.2900	5.01	0.00	813524			



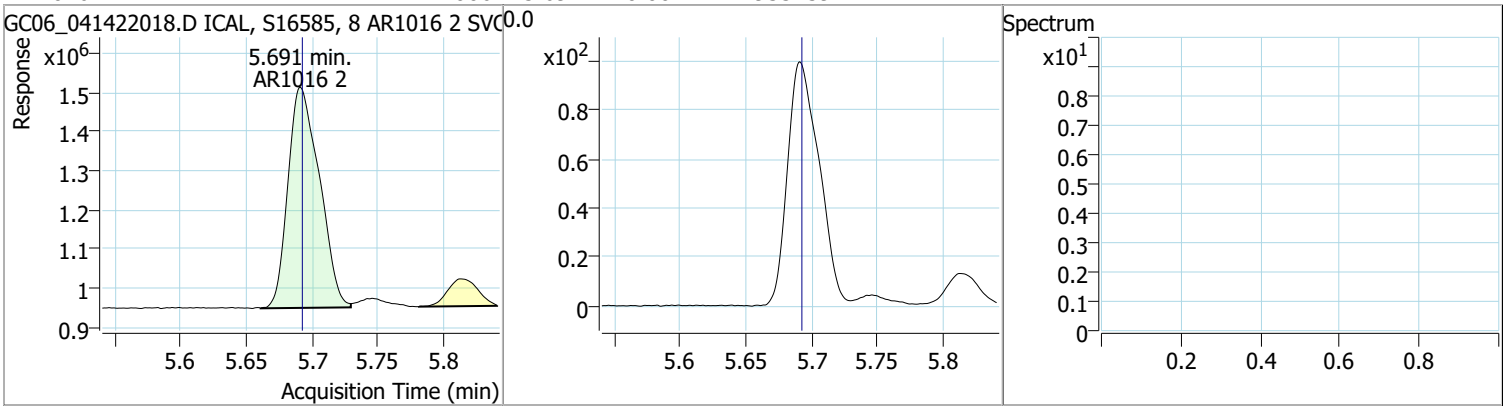
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	255.5361	5.35	0.00	1557601			



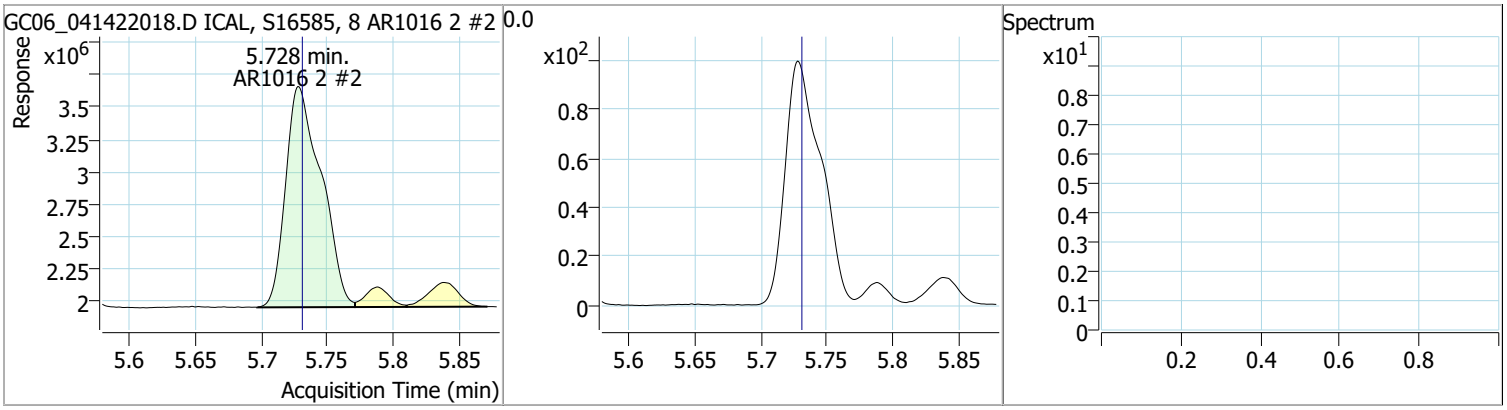
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	257.1417	5.36	0.00	457924			



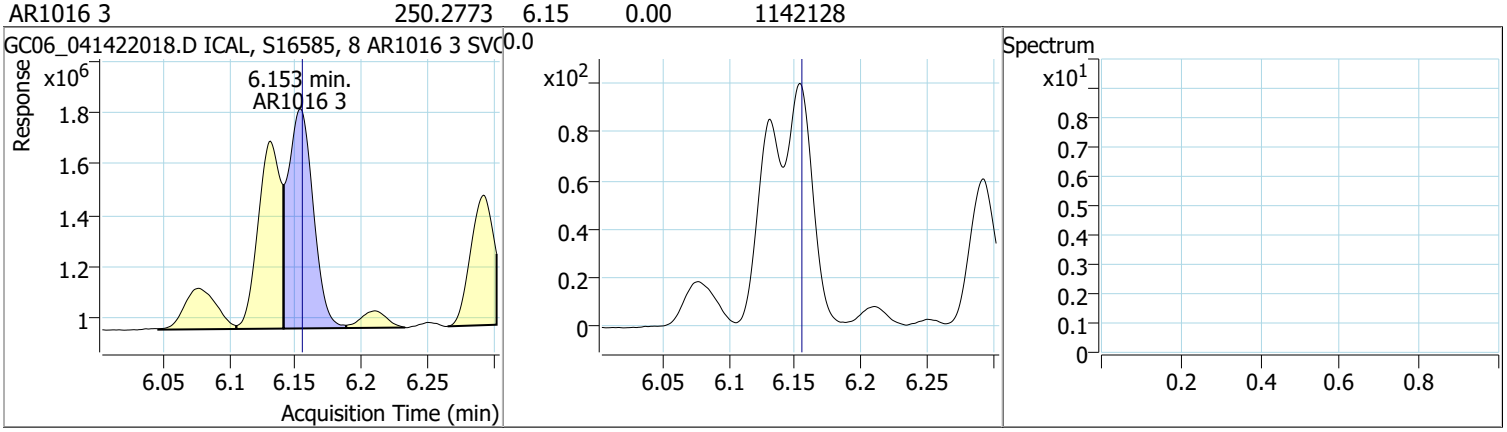
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	241.2006	5.69	0.00	935259			



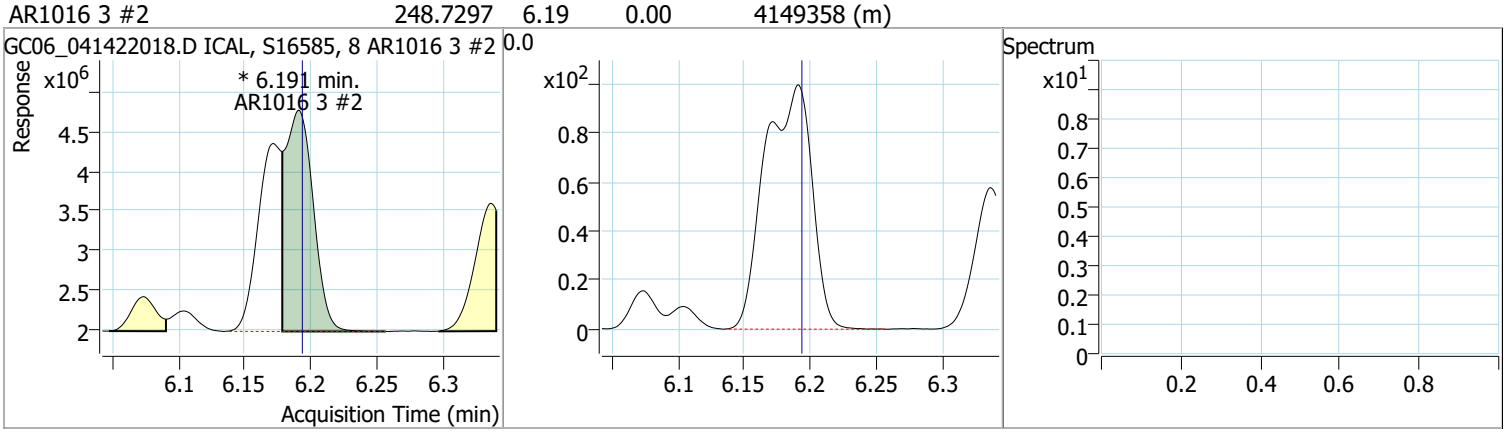
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	255.0565	5.73	0.00	3226343			



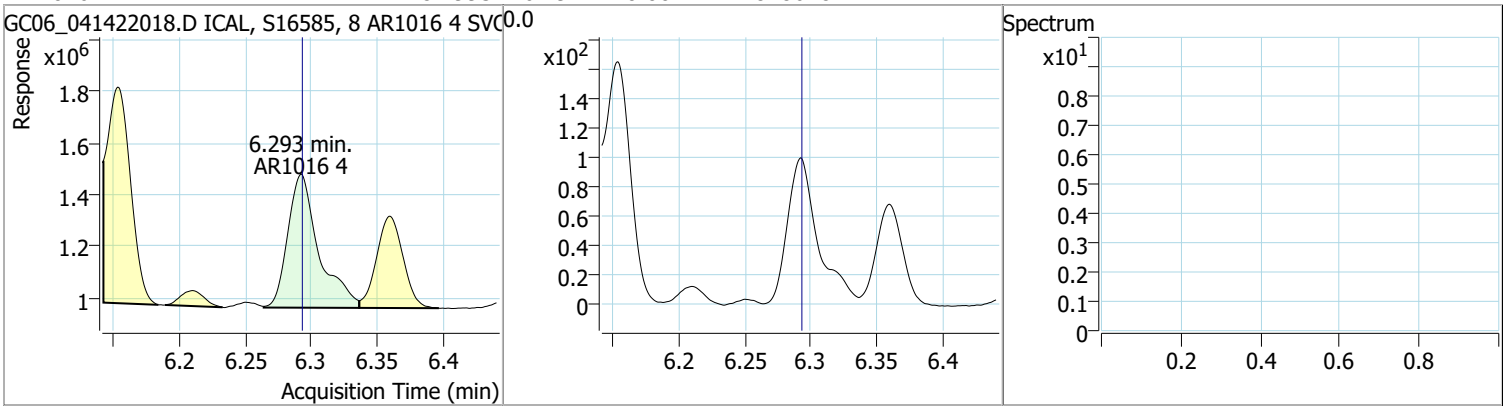
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	250.2773	6.15	0.00	1142128			



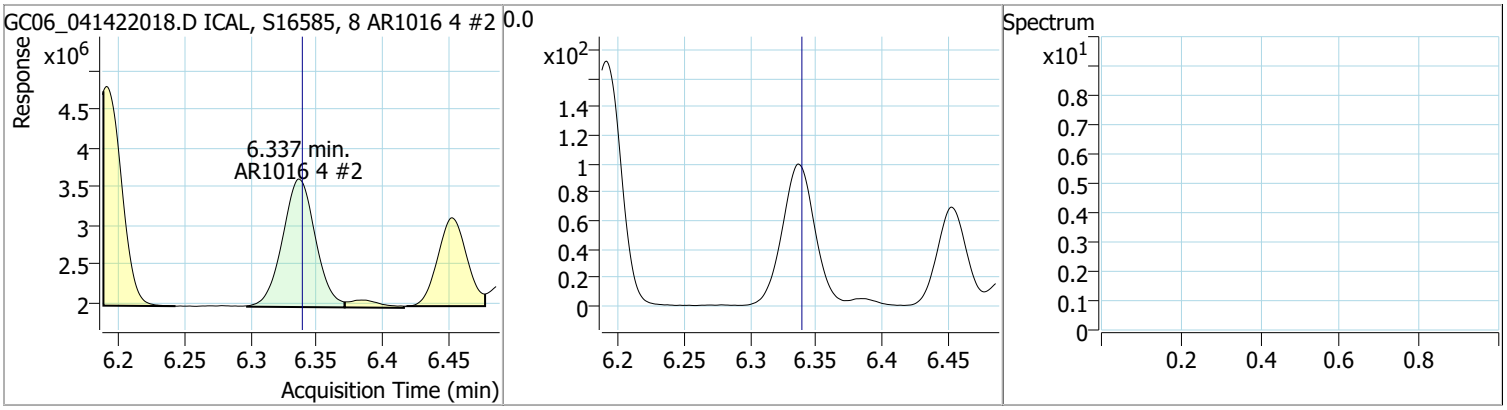
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	248.7297	6.19	0.00	4149358 (m)			



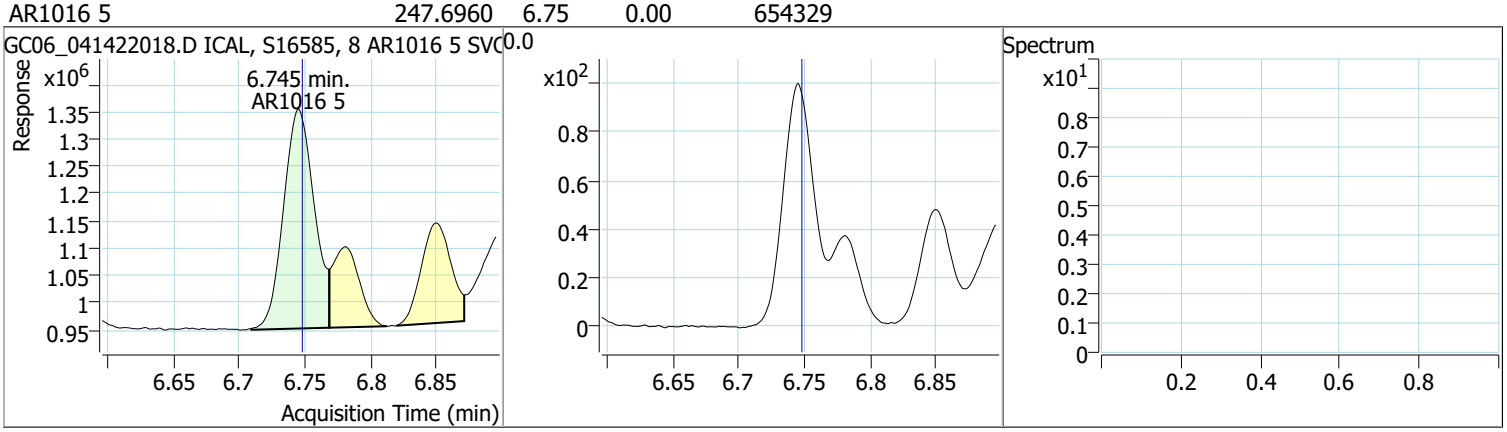
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	248.4995	6.29	0.00	848628			



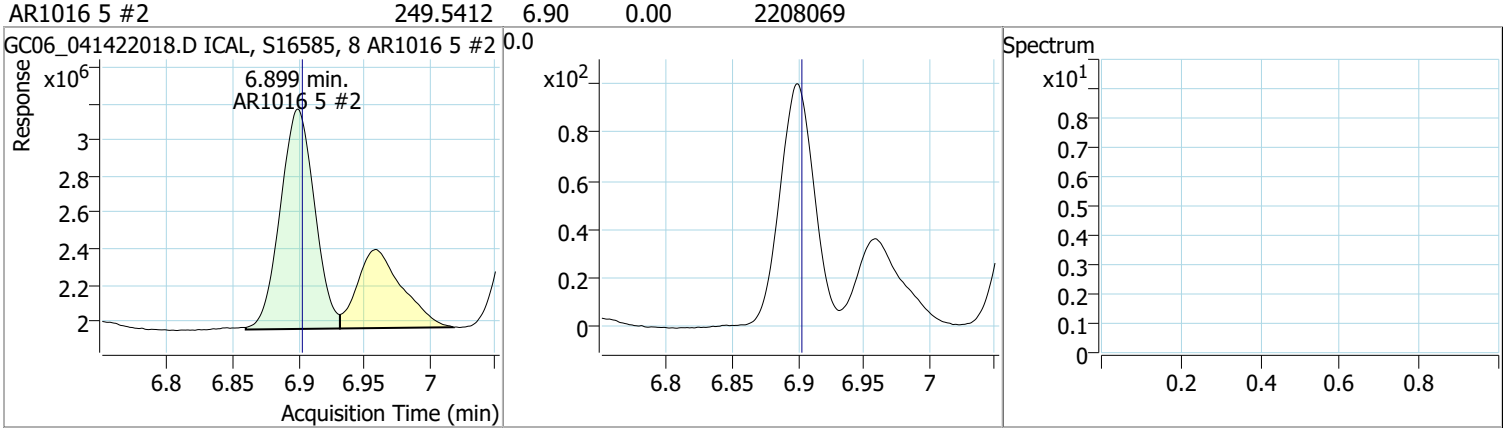
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	253.0345	6.34	0.00	2863787			



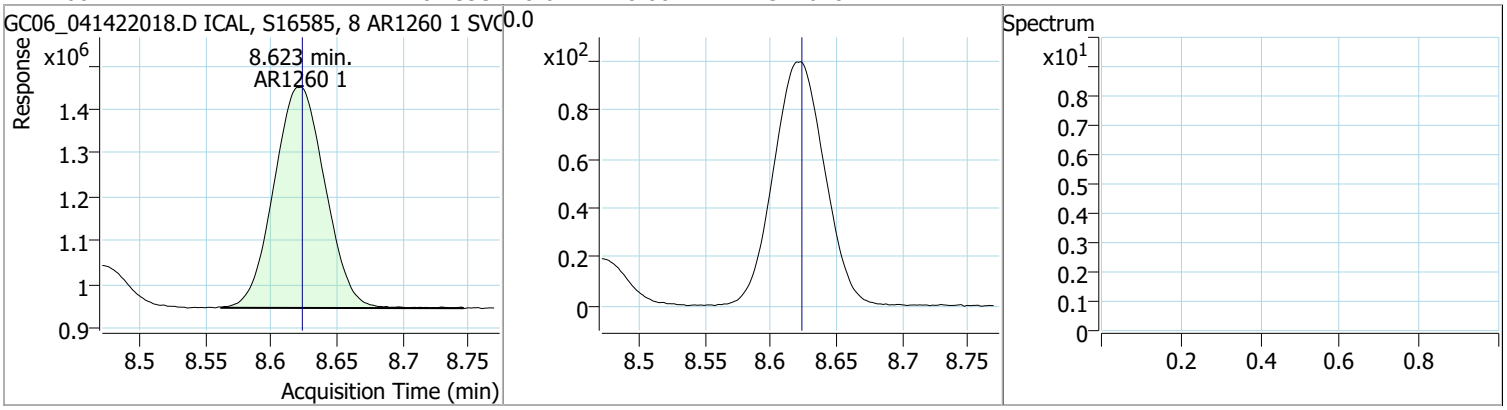
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	247.6960	6.75	0.00	654329			



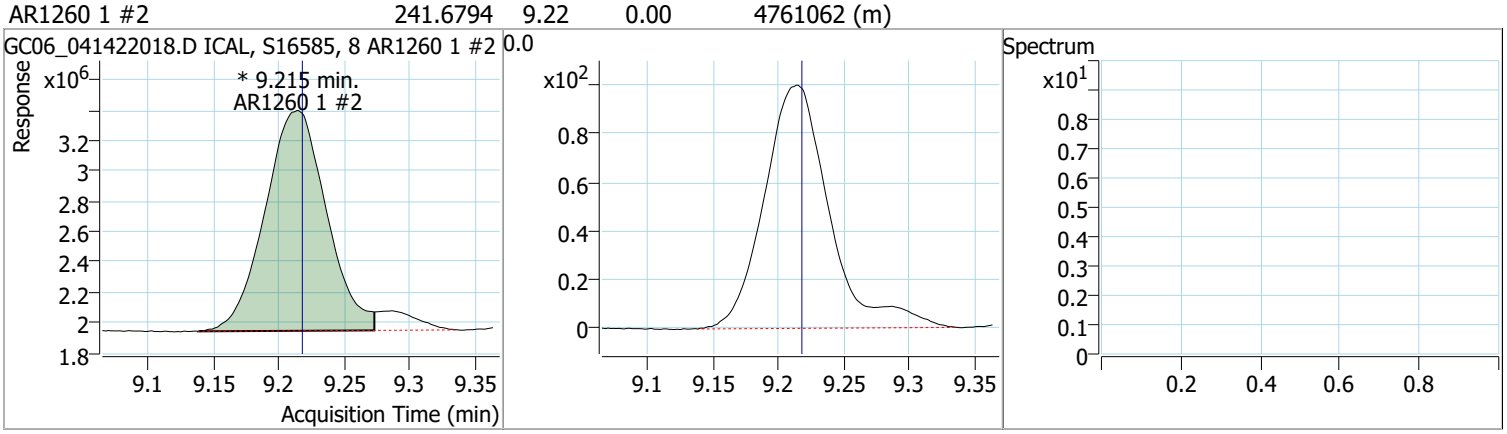
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	249.5412	6.90	0.00	2208069			



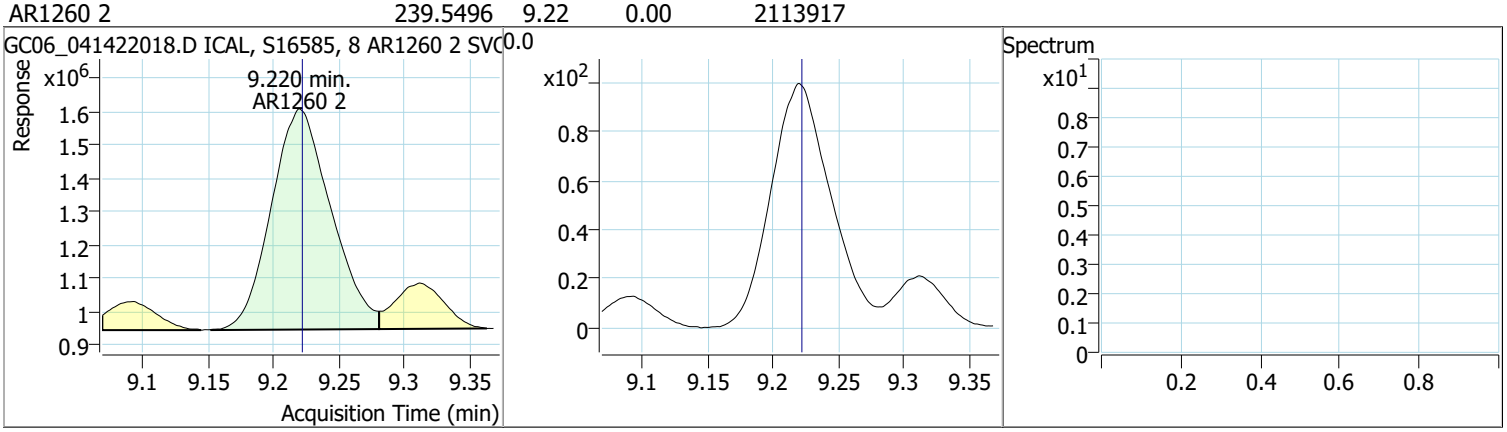
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	240.4595	8.62	0.00	1377678			



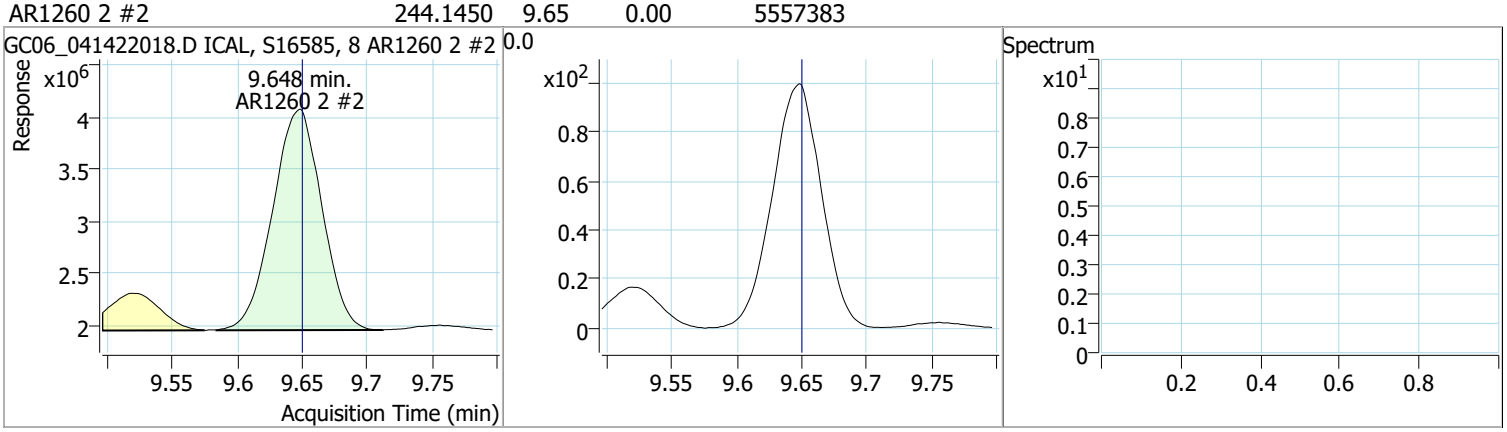
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	241.6794	9.22	0.00	4761062 (m)			



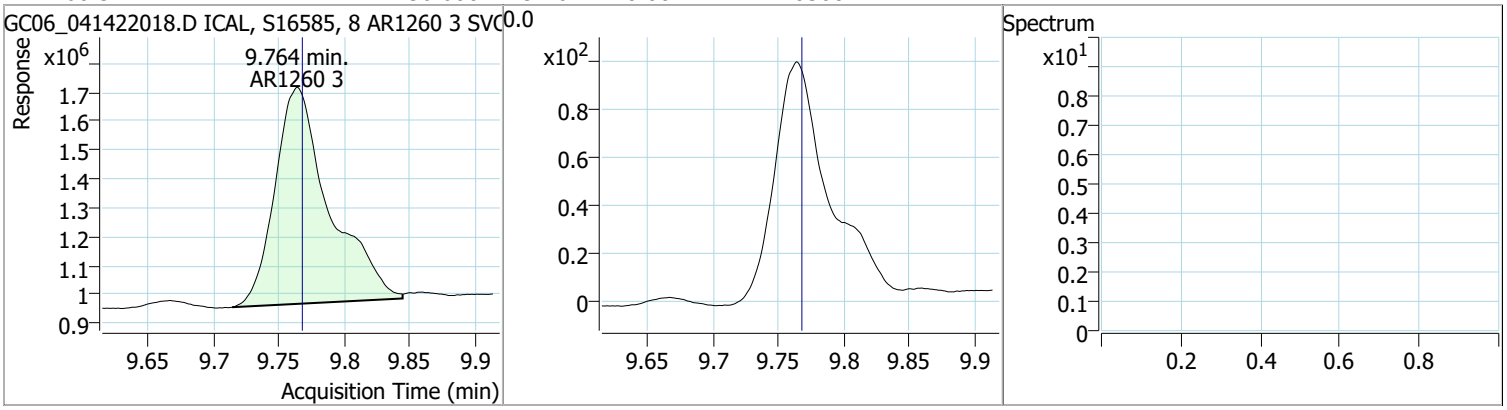
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	239.5496	9.22	0.00	2113917			



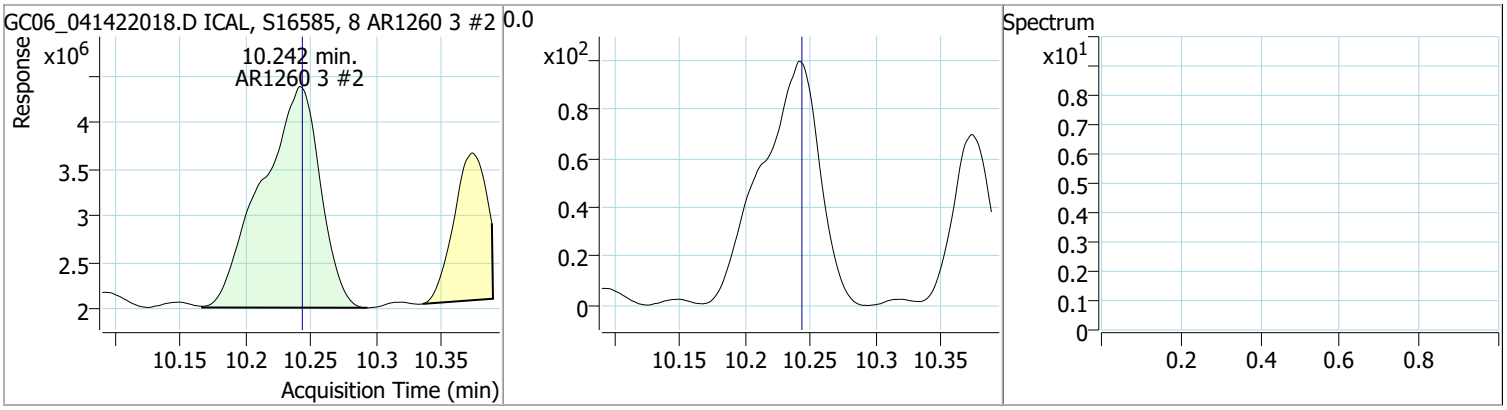
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	244.1450	9.65	0.00	5557383			



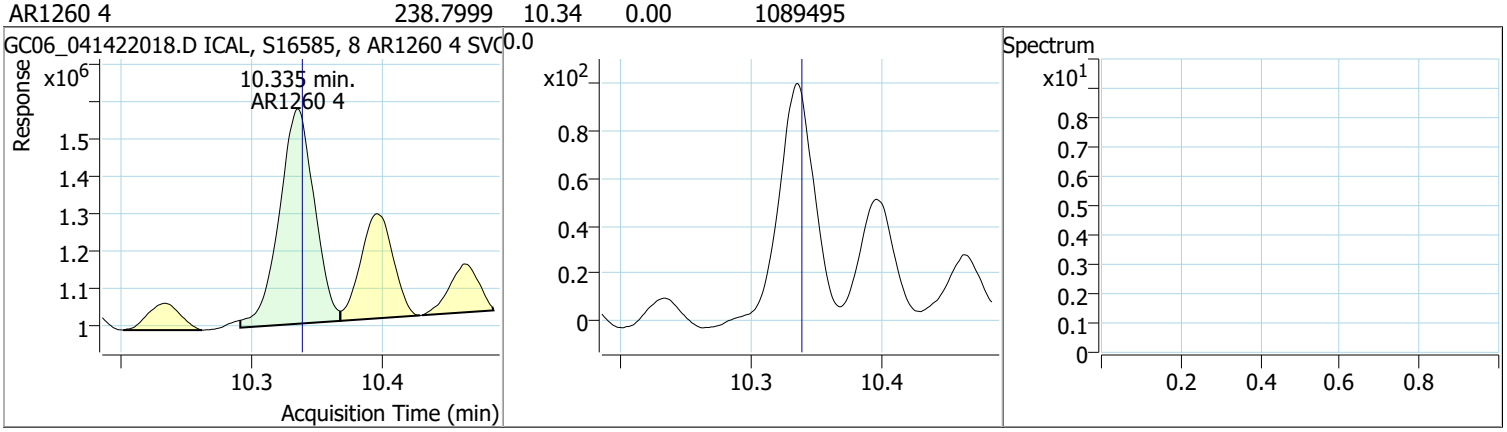
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	236.6001	9.76	0.00	2170500			



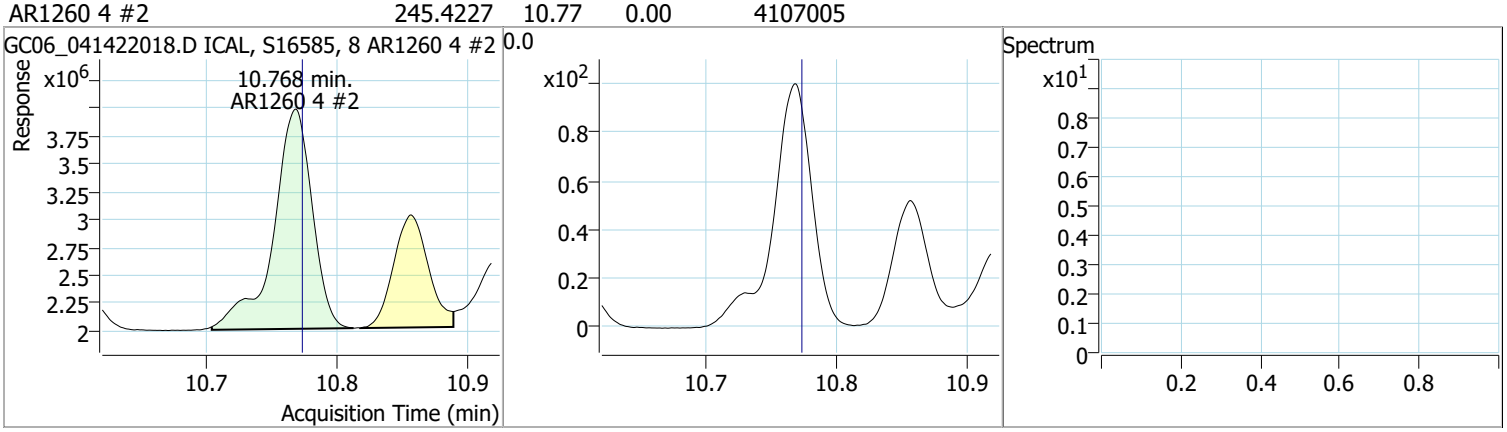
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	240.2026	10.24	0.00	7428428			



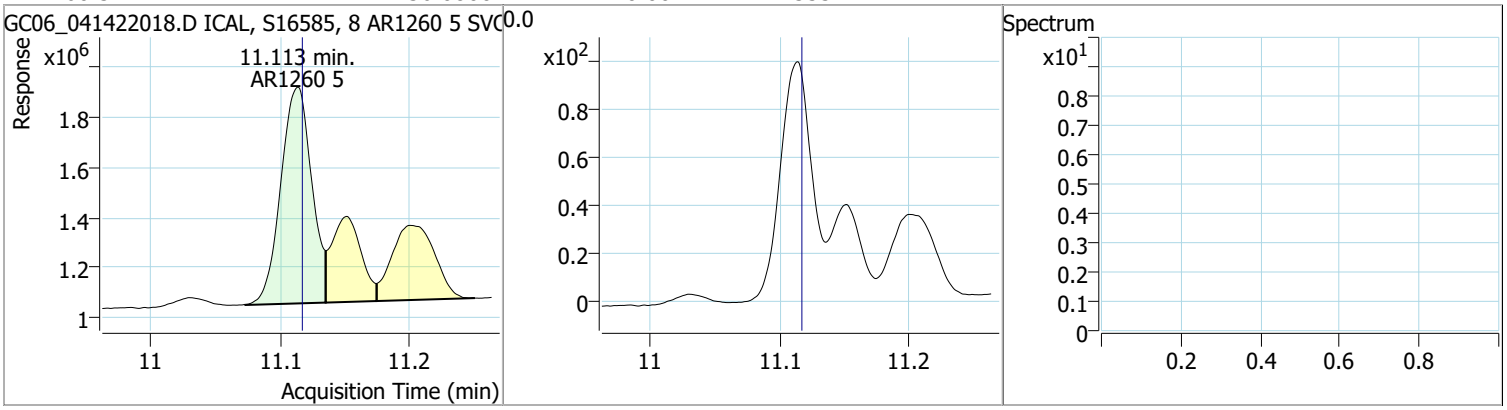
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	238.7999	10.34	0.00	1089495			



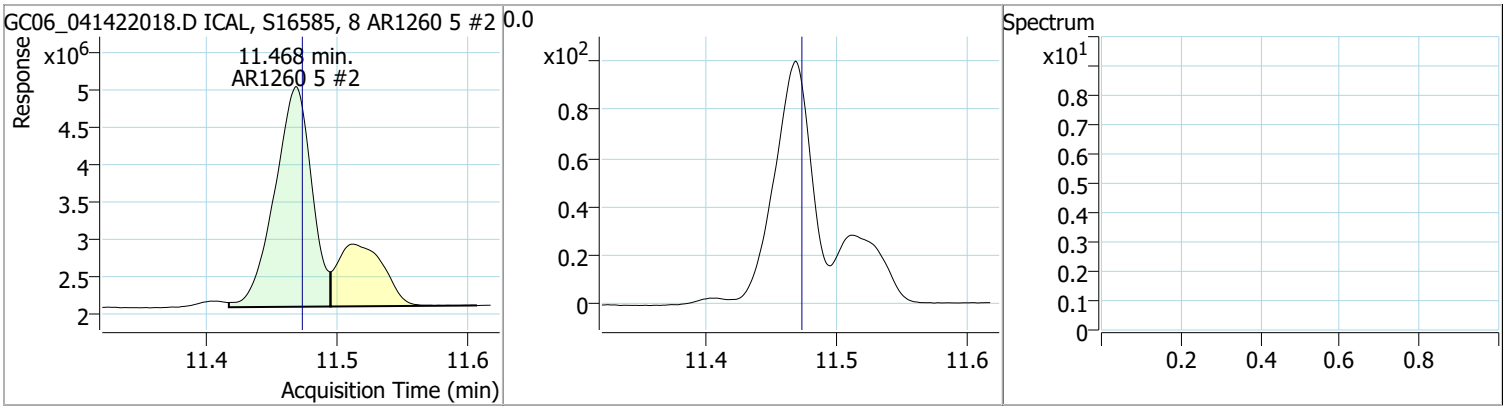
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	245.4227	10.77	0.00	4107005			



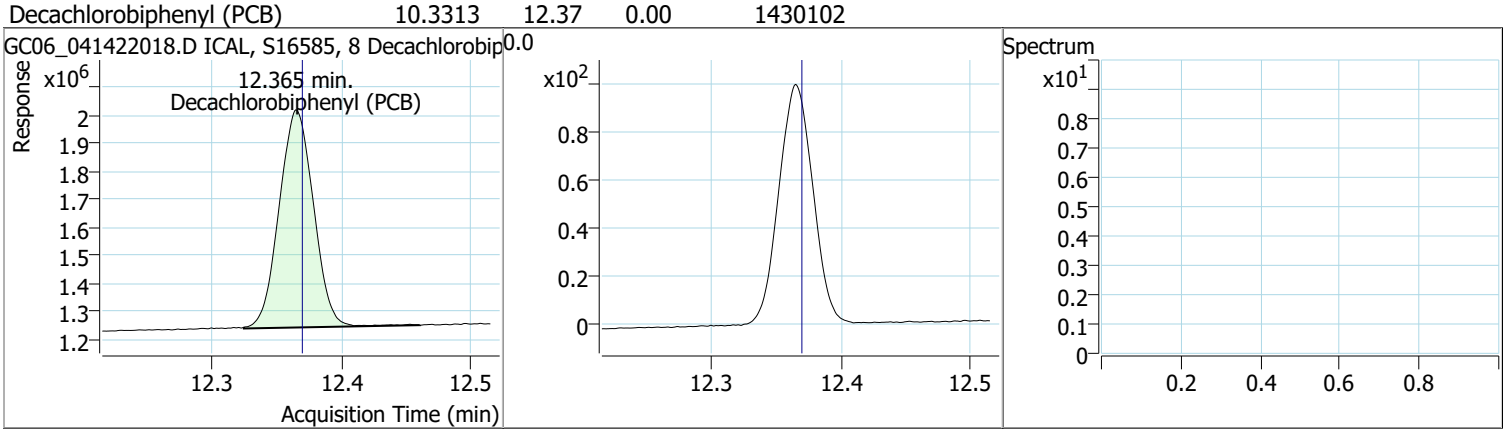
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	236.0800	11.11	0.00	1425557			



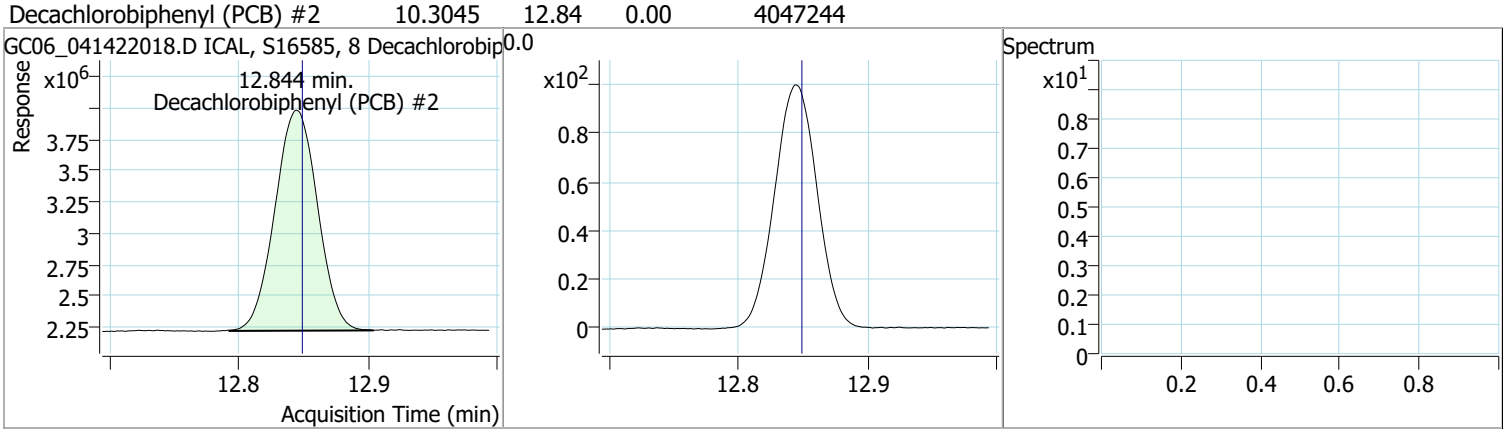
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	237.4541	11.47	0.00	5858491			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	10.3313	12.37	0.00	1430102			

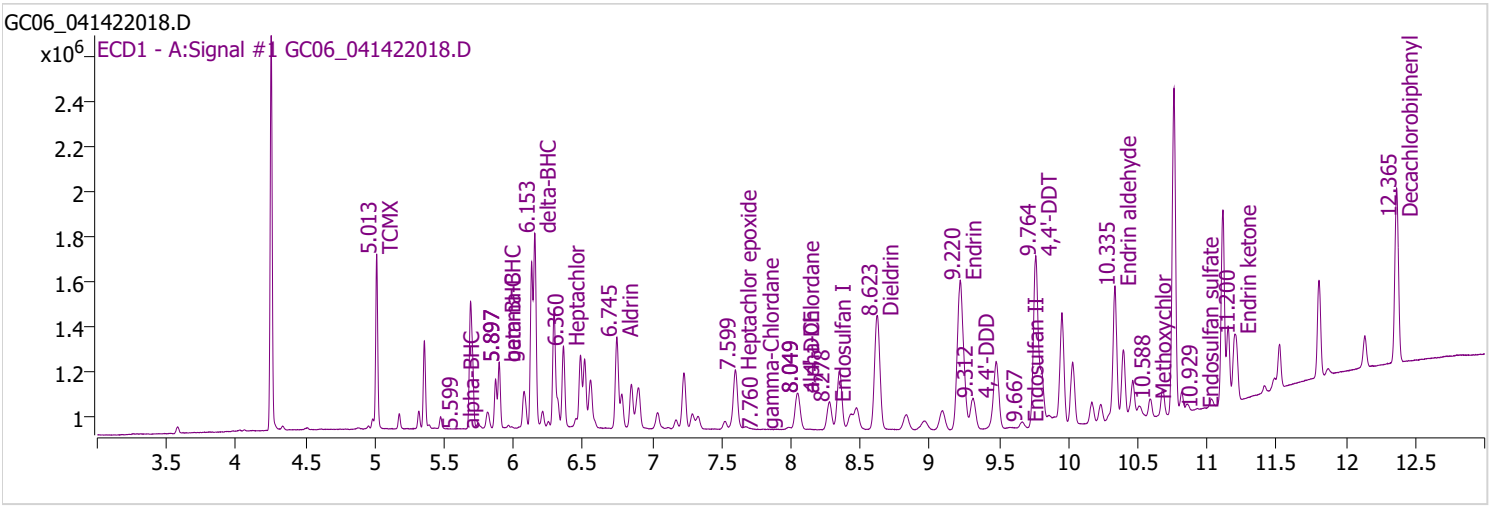


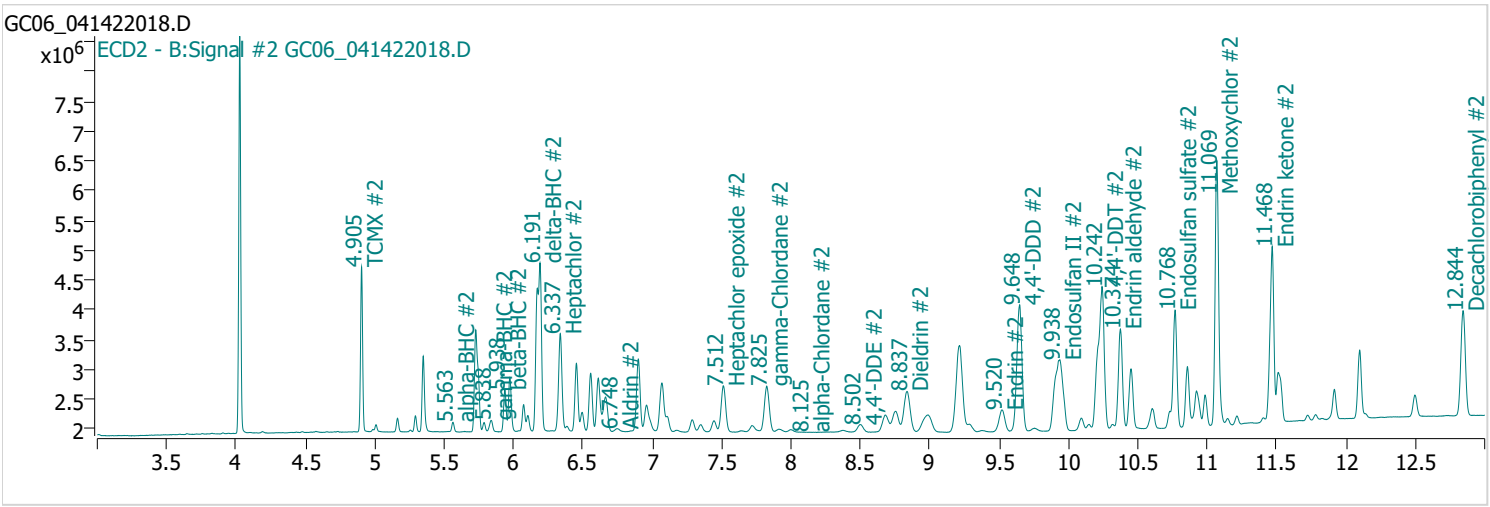
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	10.3045	12.84	0.00	4047244			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422018.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:33:59 PM
Sample Name	ICAL, S16585, 8	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 114	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 7:48:13 PM



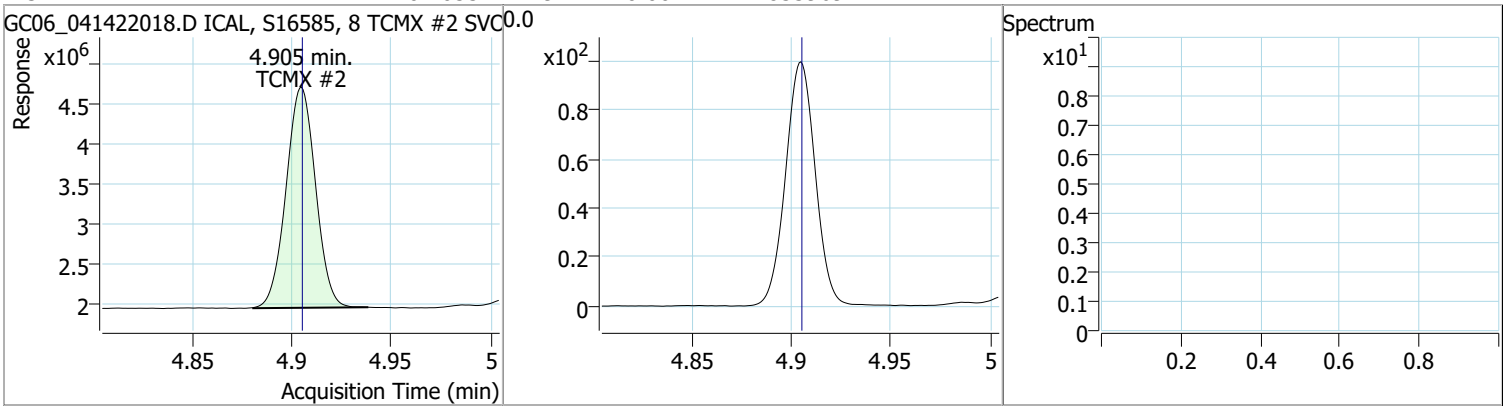


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.253	4.027	1810417	6499905	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.013	4.905	811346	2853969	9.746	10.206	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	48.73% *	51.03%	
S Decachlorobiphenyl	12.365	12.844	1415434	4046605	11.288	11.006	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	56.44%	55.03%	
Target Compounds							
T alpha-BHC	5.599	5.563 f	2285	173751	0.032	0.648 #	ng/ml
T gamma-BHC	5.897	5.838	352956	272025	4.384	1.003 #	ng/ml
T beta-BHC	5.897	5.938	353220	900456	8.858	5.866 #	ng/ml
T delta-BHC	6.153	6.191	1121361	7054070	10.720	14.459 #	ng/ml
T Heptachlor	6.360	6.337	440891	2815494	5.236	8.001 #	ng/ml
T Aldrin	6.745	6.748	654490	109610	7.342	0.384 #	ng/ml
T Heptachlor epoxide	7.599	7.512	560065	1627819	6.496	5.561	ng/ml
T gamma-Chlordane	7.760	7.825	651	1822297	0.009	5.746 #	ng/ml
T alpha-Chlordane	8.049	8.125	258648	870	3.630	0.004 #	ng/ml

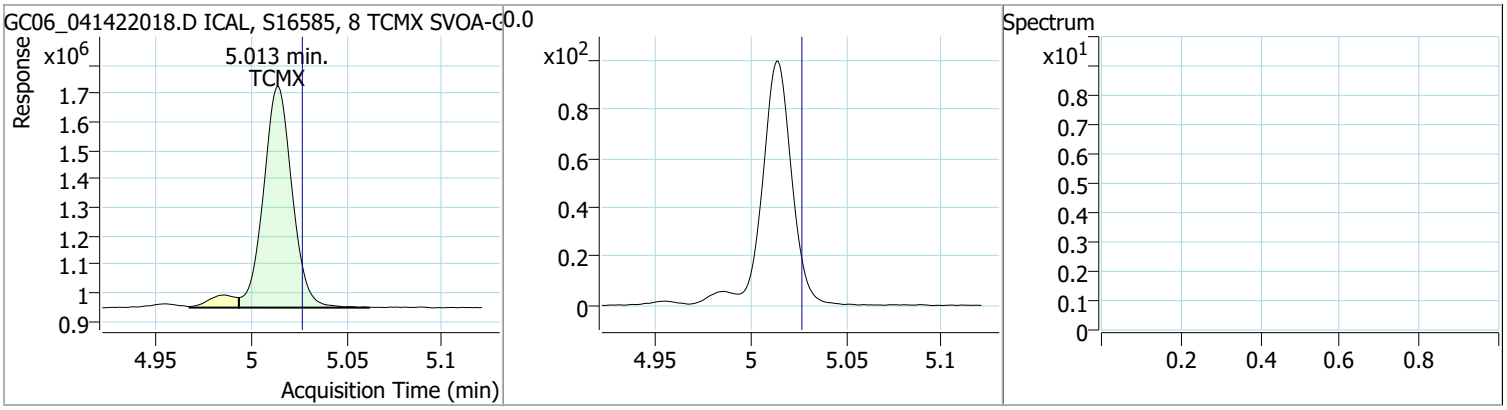
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.278	----	285063	0	4.254	N.D. #	ng/ml
T 4,4'-DDE	8.049	8.502 f	389107	323971	5.551	1.490 #	ng/ml
T Dieldrin	8.623	8.837	1377278	1442884	15.328	5.586 #	ng/ml
T Endrin	9.220	9.520	1953611	1048602	21.017	4.585 #	ng/ml
T 4,4'-DDD	9.312	9.648 f	210064	5022109	4.090	23.303 #	ng/ml
T Endosulfan II	9.667	9.938 f	53210	5247074	0.793	17.297 #	ng/ml
T 4,4'-DDT	9.764	10.242	1994739	7377662	28.536	21.922	ng/ml
T Endrin aldehyde	10.335	10.374	1010553	3311917	16.345	15.129	ng/ml
T Endosulfan sulfate	10.929	10.768	5056	4111671	0.086	16.211 #	ng/ml
T Methoxychlor	10.588	11.069 f	124996	7954126	3.462	54.575 #	ng/ml
T Endrin ketone	11.200	11.468 f	533254	5227834	6.654	15.923 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

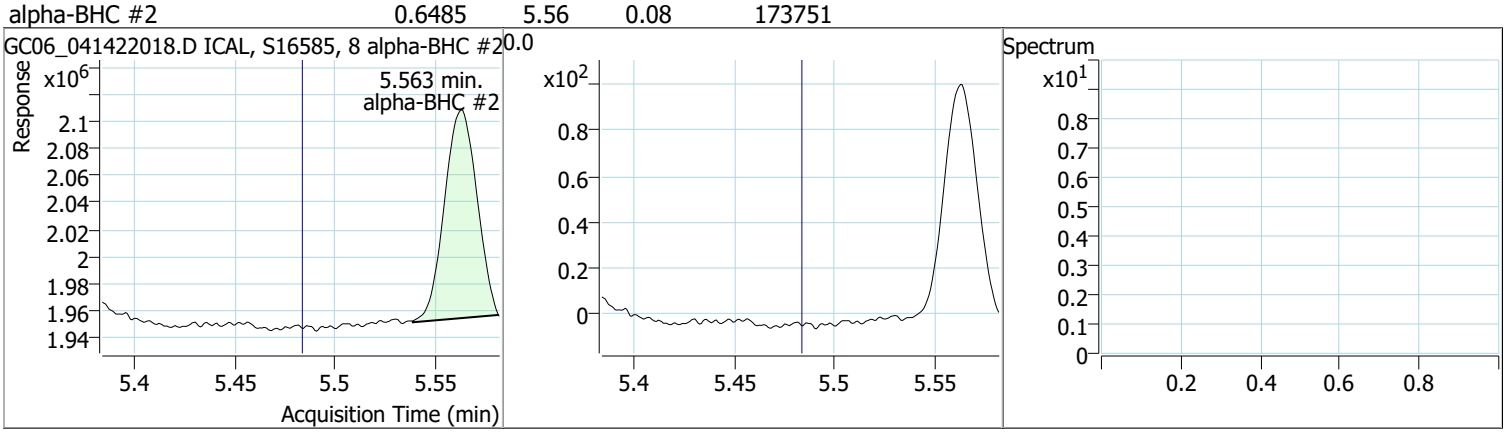
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	10.2055	4.91	0.00	2853969			



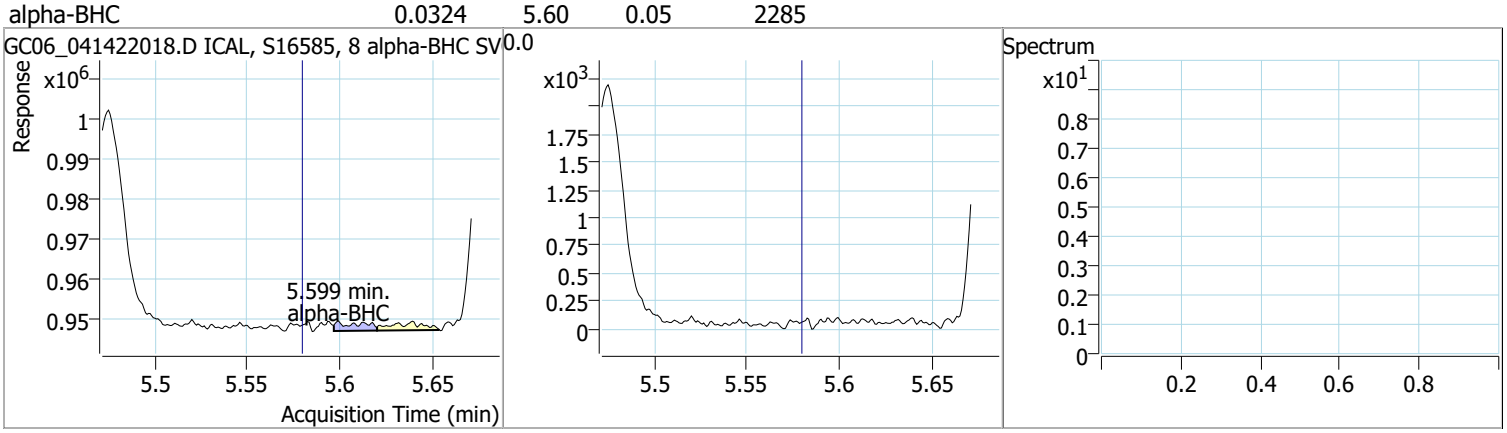
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	9.7457	5.01	0.02	811346			



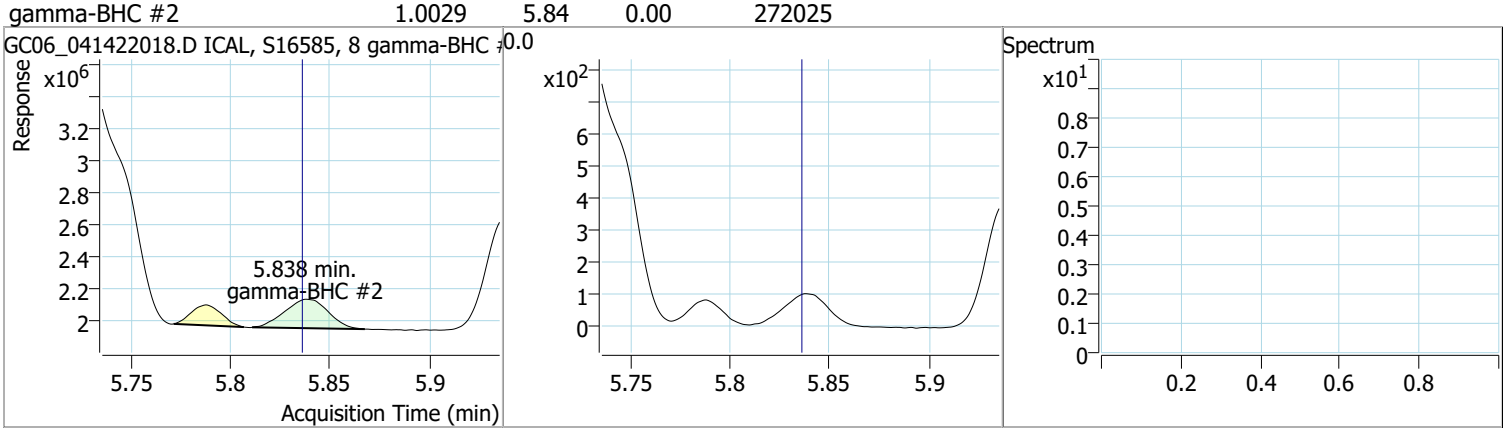
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	0.6485	5.56	0.08	173751			



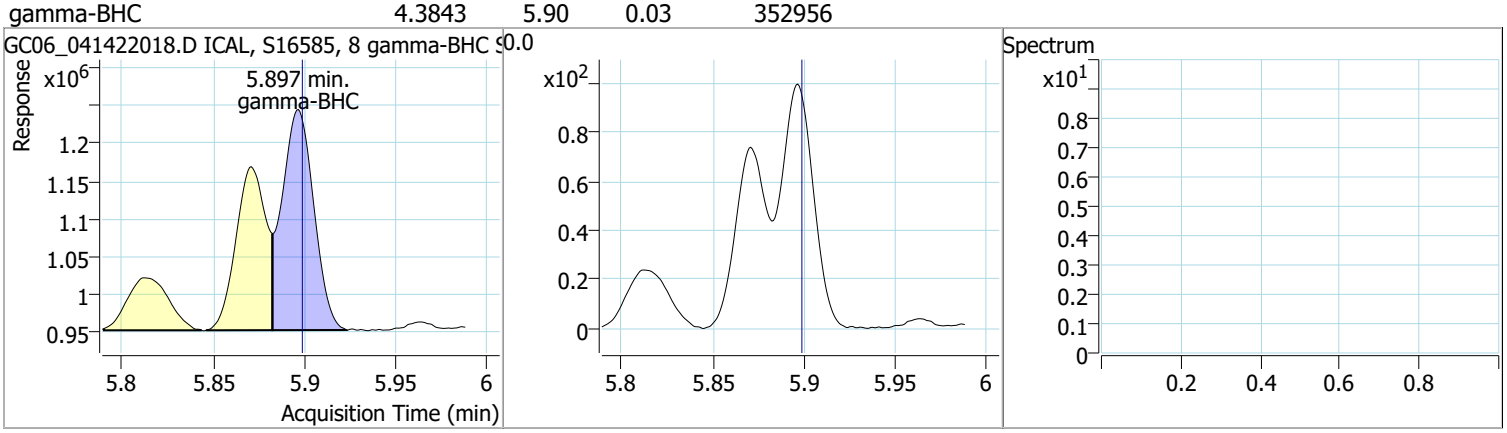
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC	0.0324	5.60	0.05	2285			



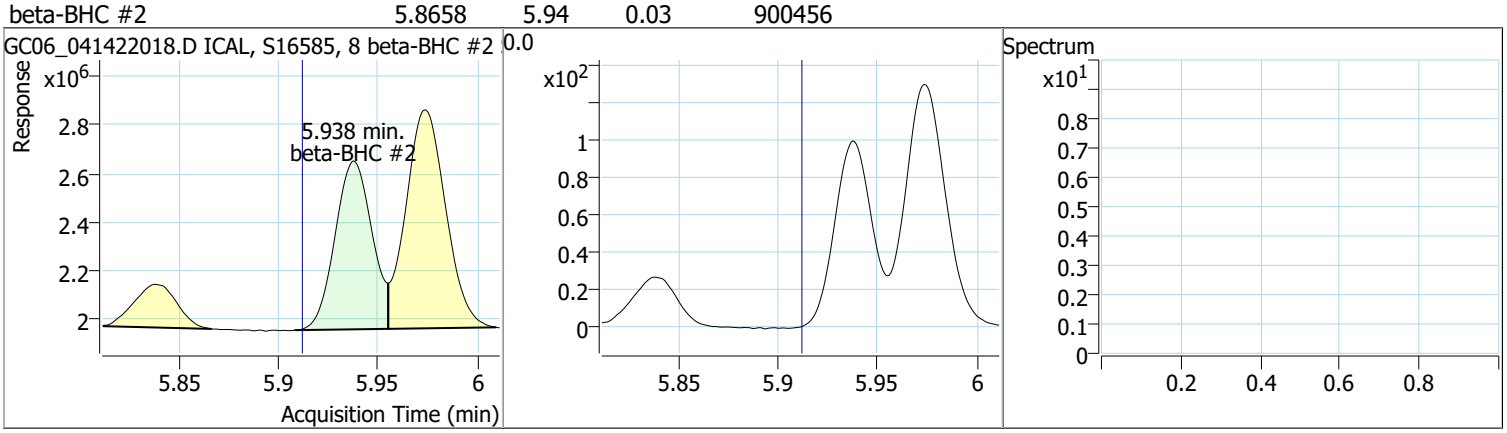
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	1.0029	5.84	0.00	272025			



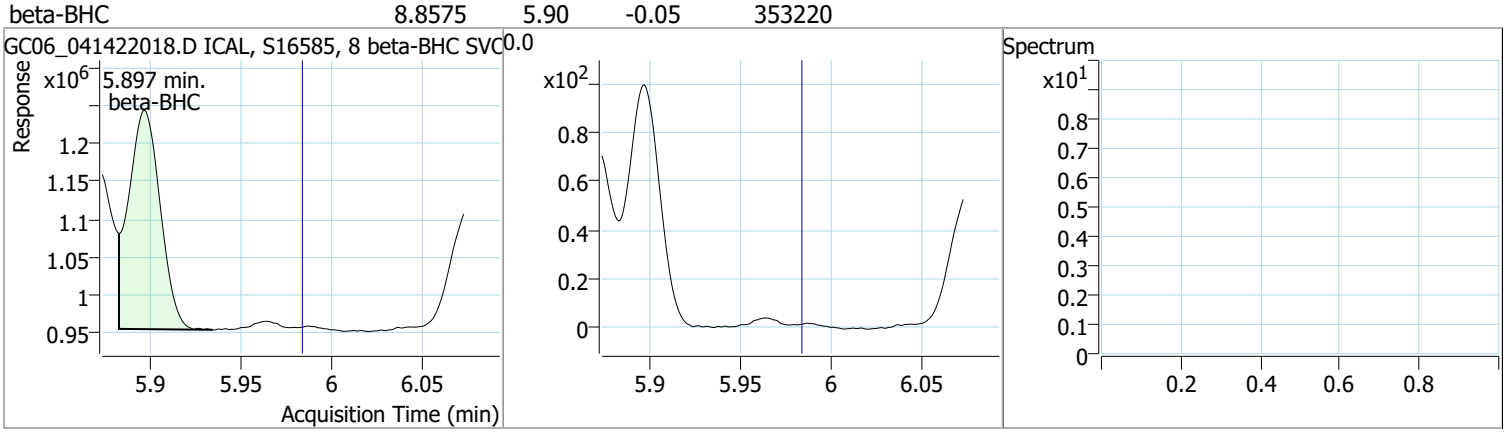
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	4.3843	5.90	0.03	352956			



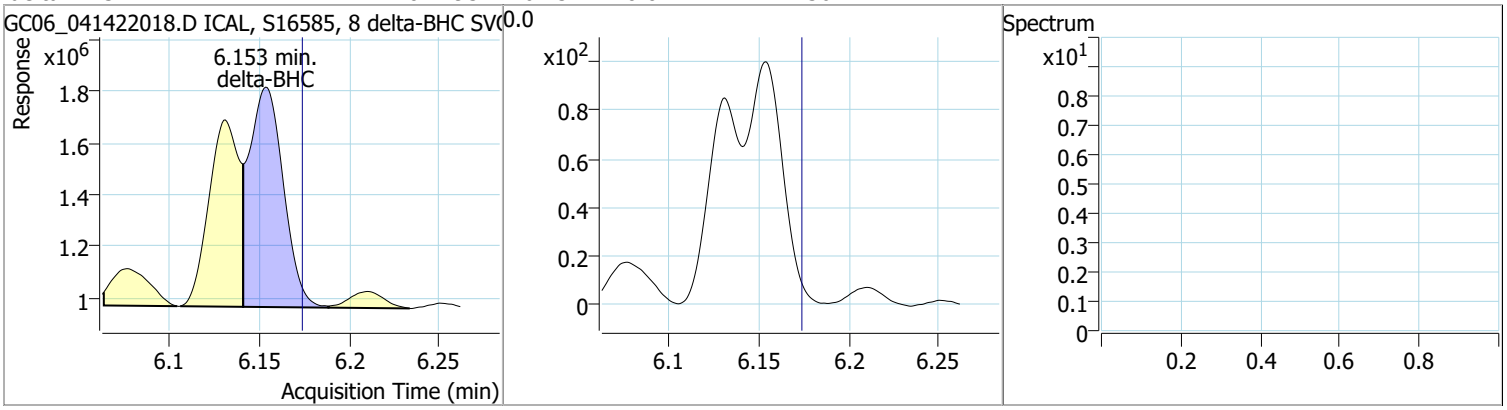
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	5.8658	5.94	0.03	900456			



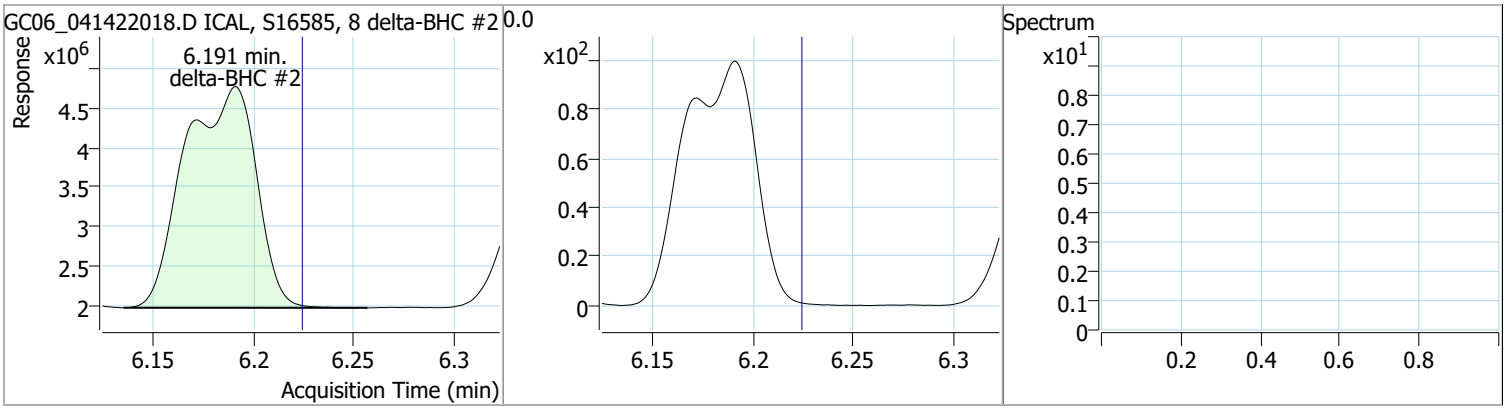
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	8.8575	5.90	-0.05	353220			



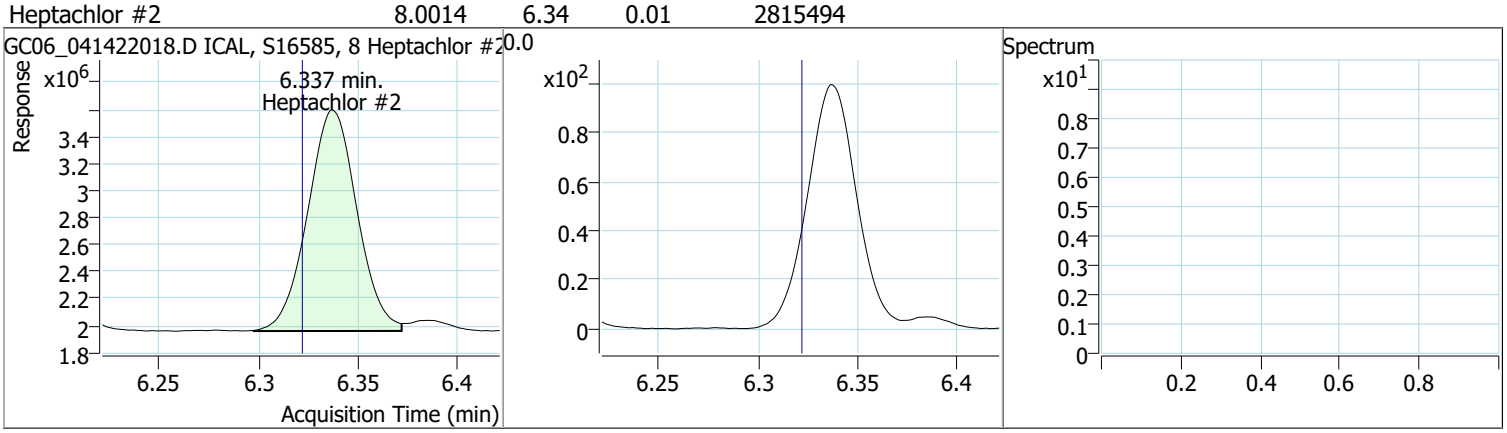
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	10.7195	6.15	0.01	1121361			



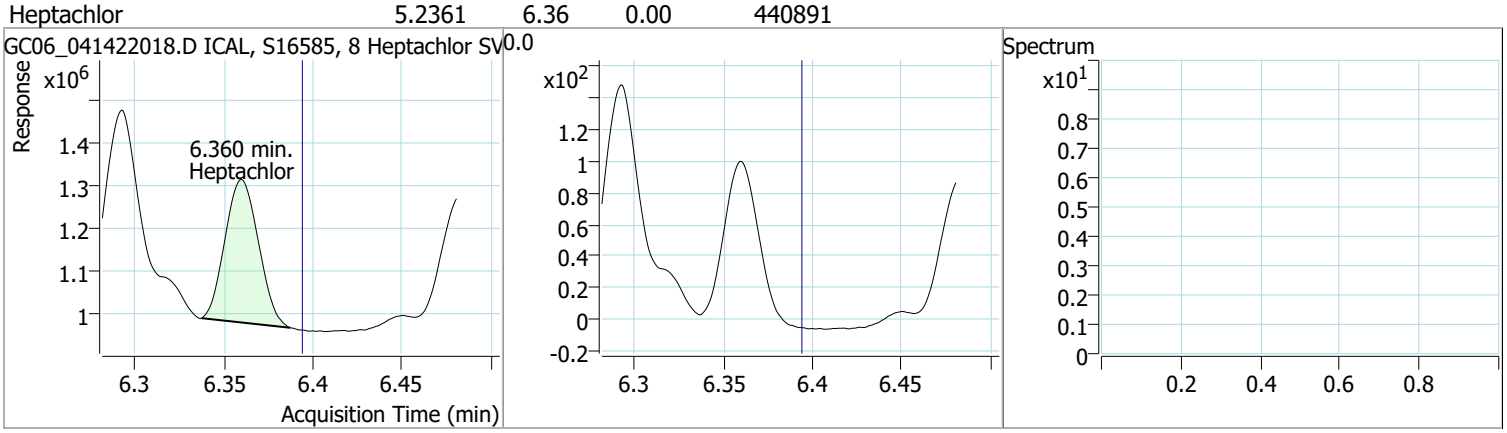
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	14.4595	6.19	-0.03	7054070			



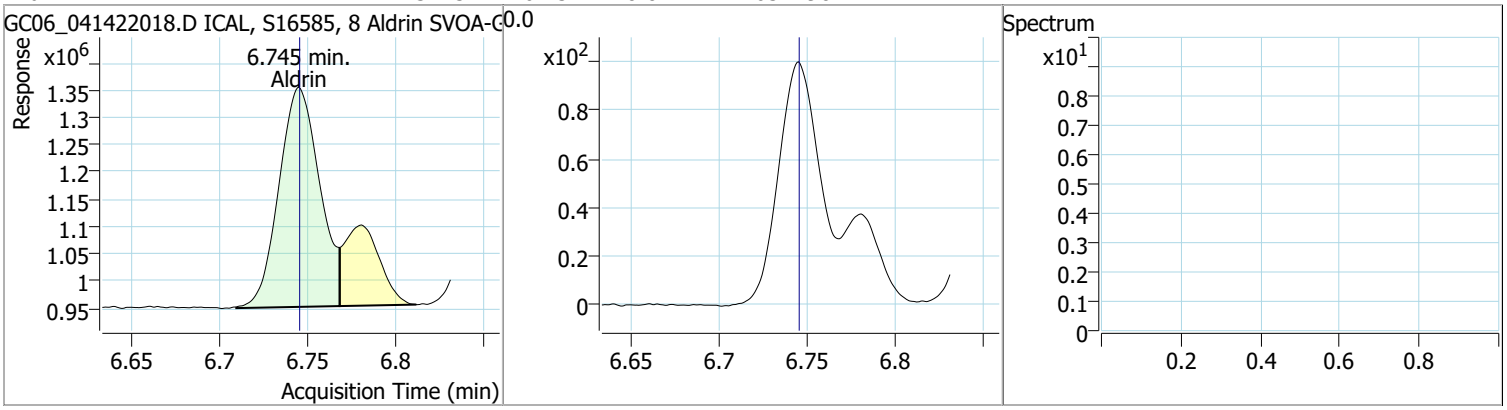
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	8.0014	6.34	0.01	2815494			



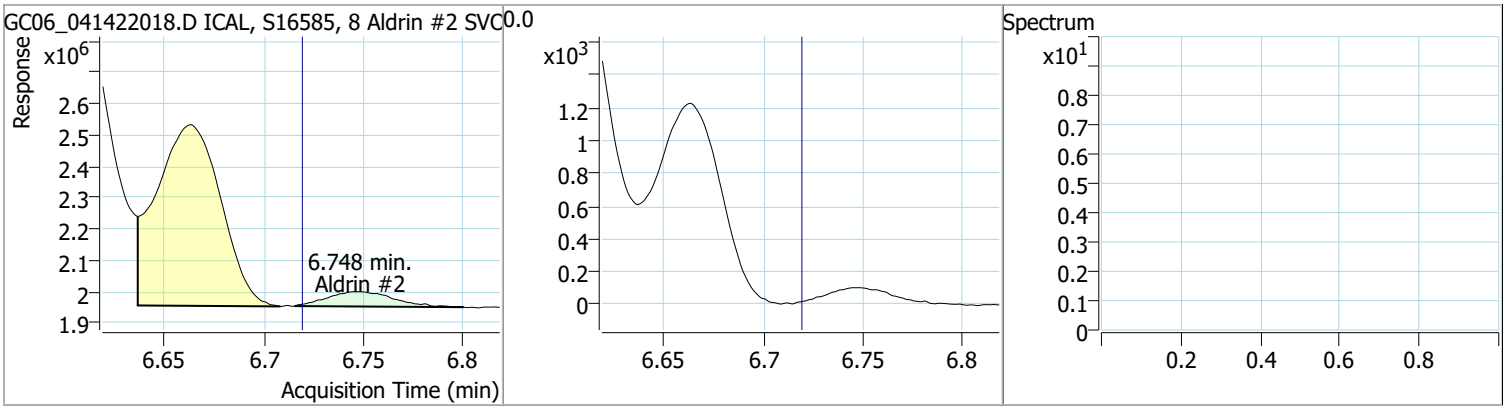
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	5.2361	6.36	0.00	440891			



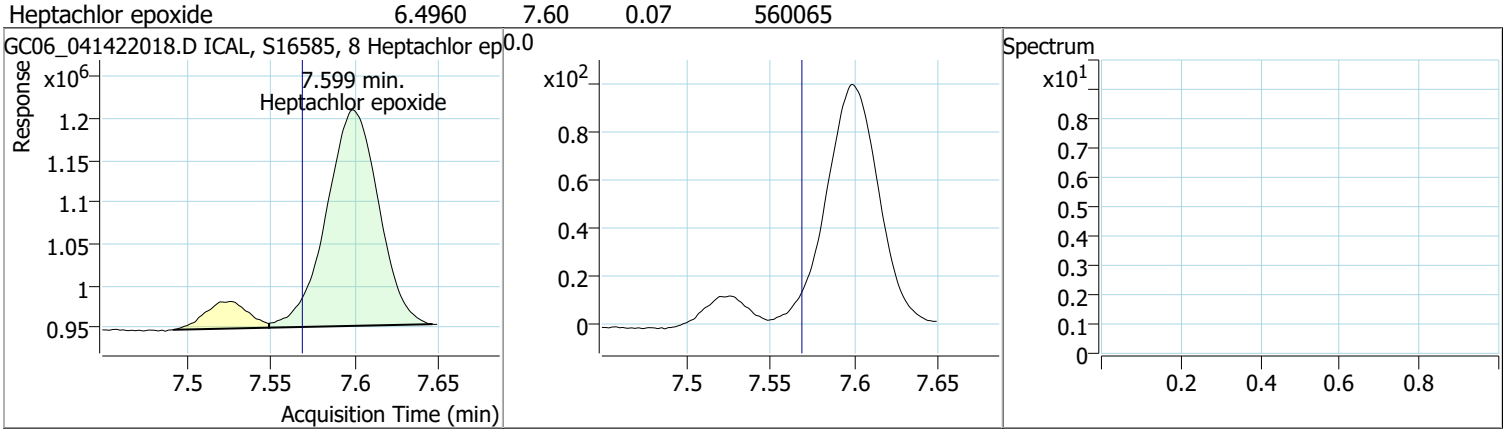
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	7.3425	6.75	0.04	654490			



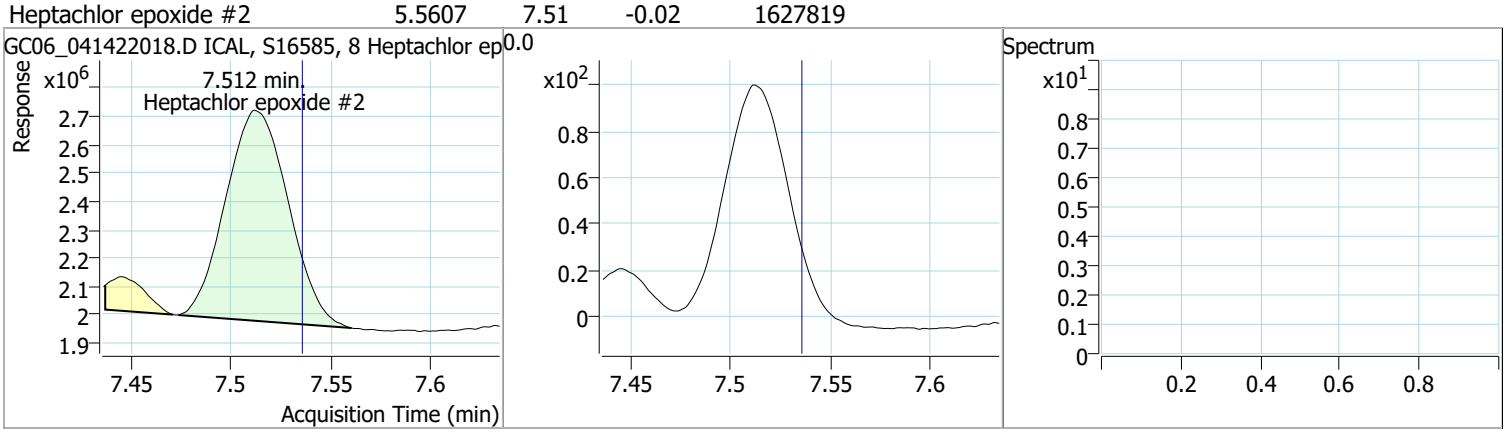
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	0.3838	6.75	0.03	109610			



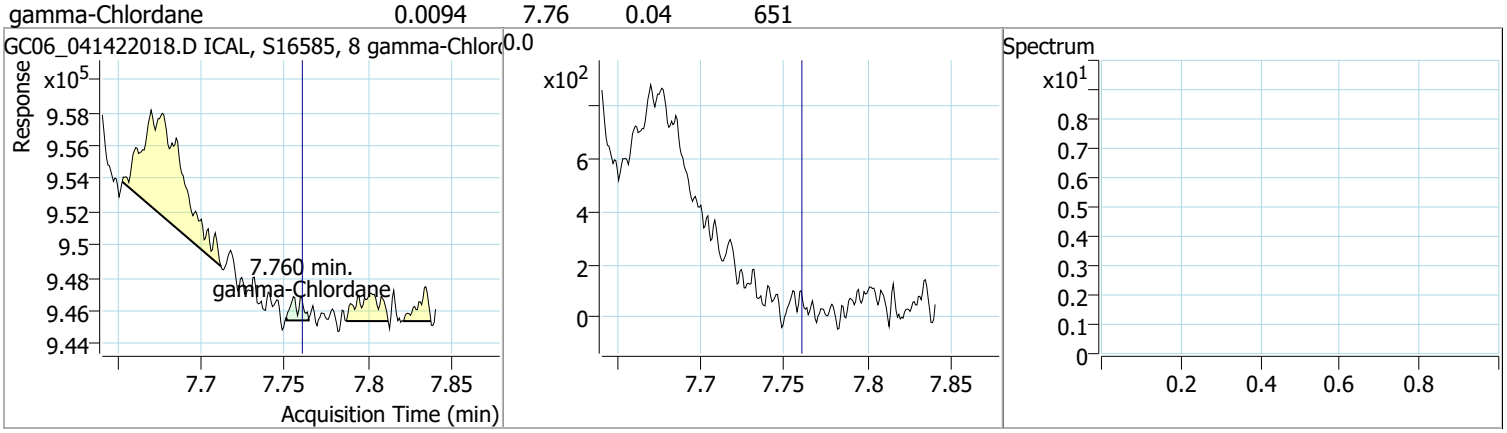
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	6.4960	7.60	0.07	560065			



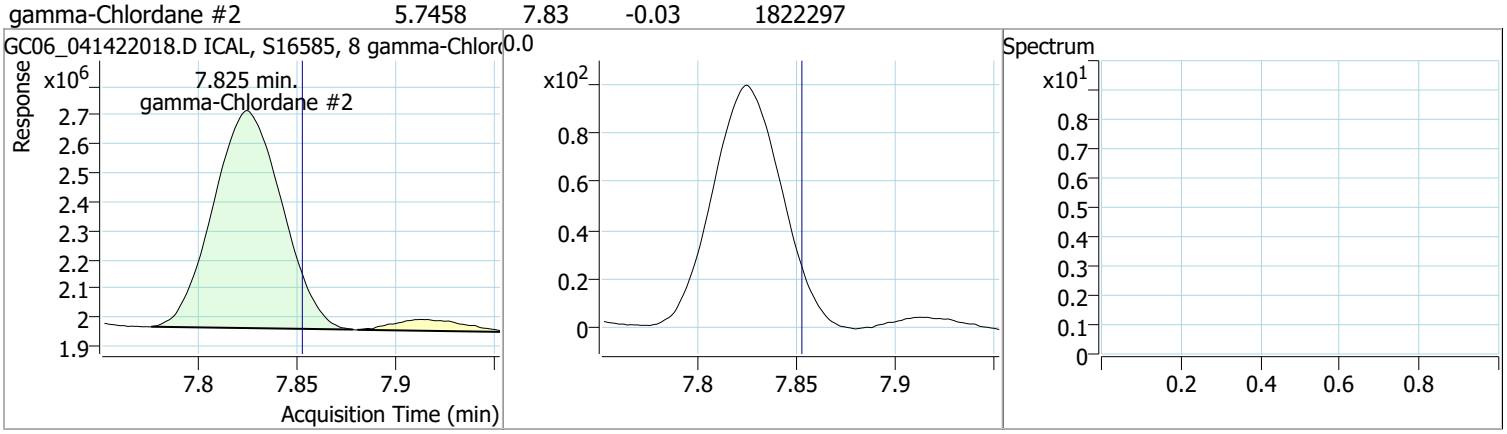
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	5.5607	7.51	-0.02	1627819			



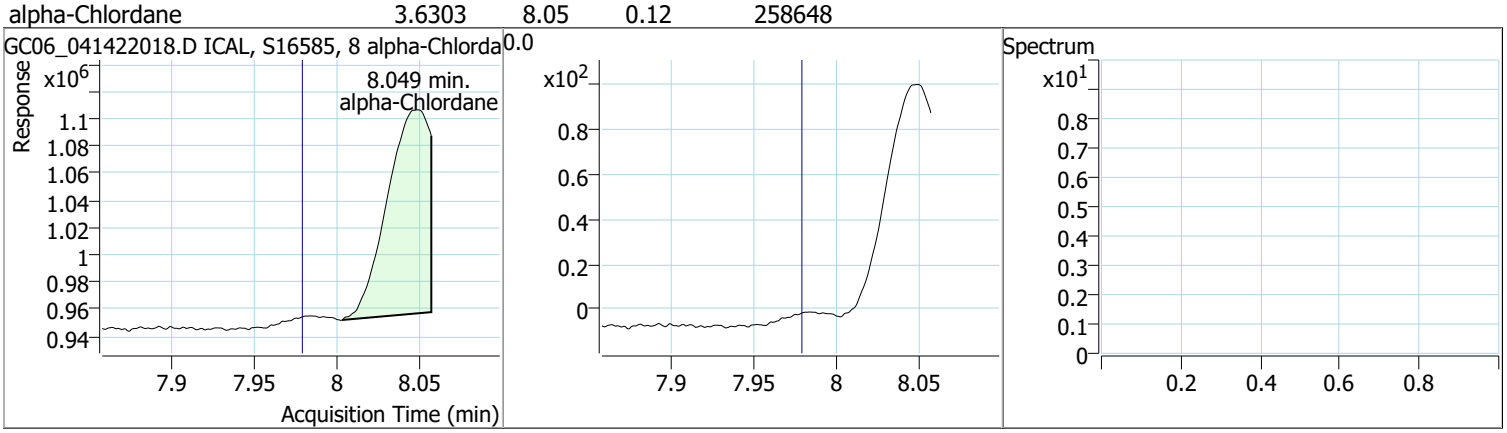
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0094	7.76	0.04	651			



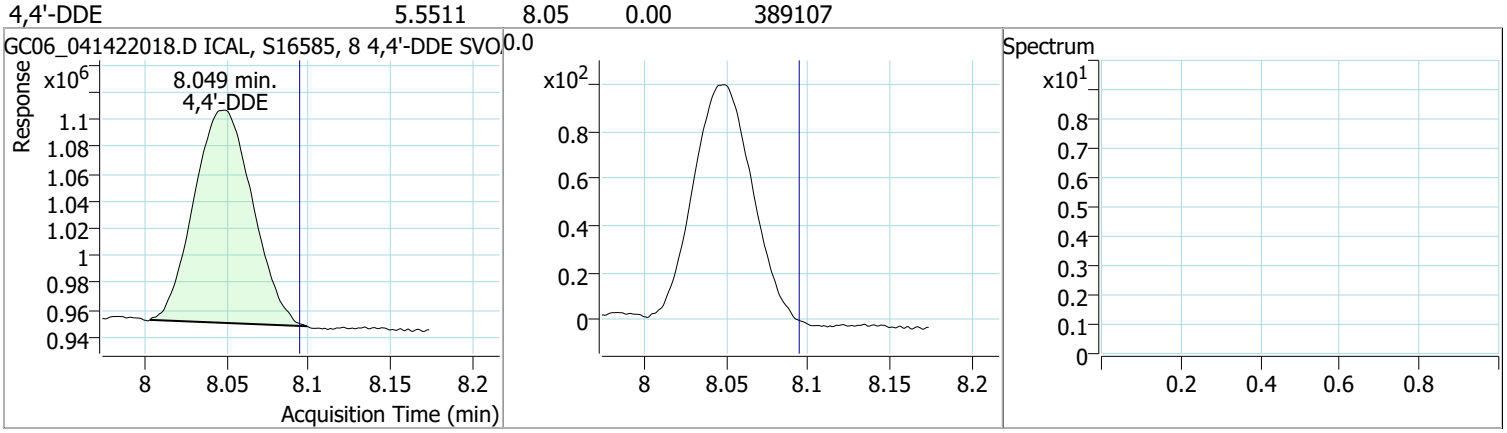
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	5.7458	7.83	-0.03	1822297			



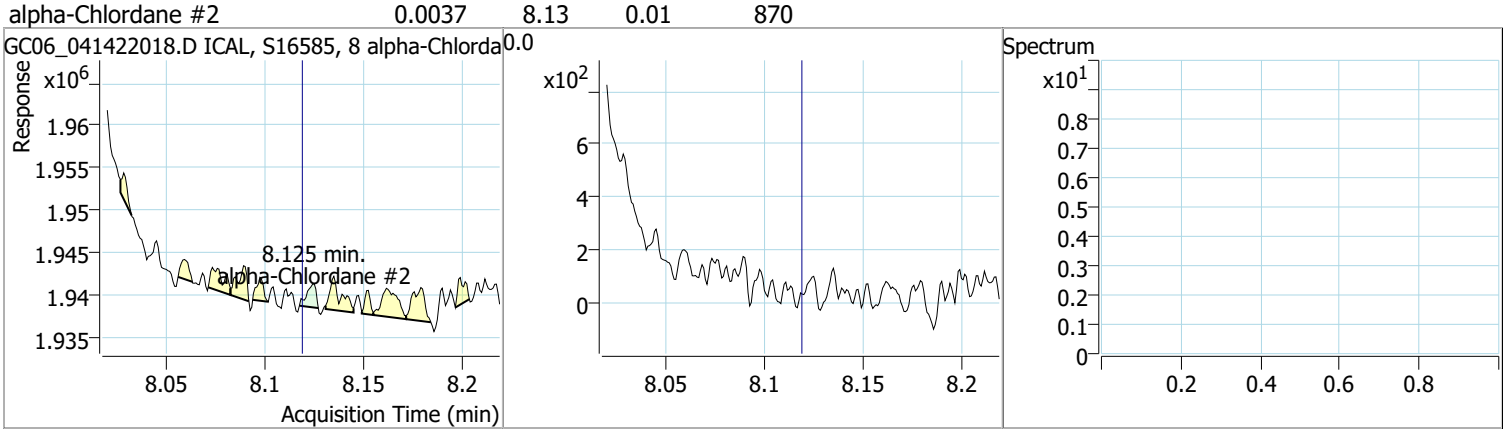
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	3.6303	8.05	0.12	258648			



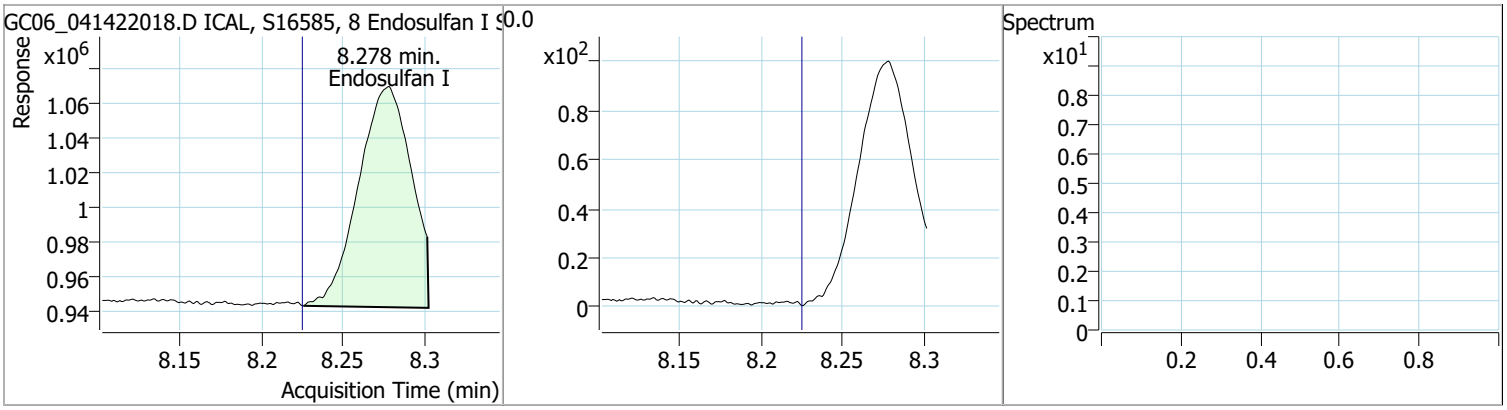
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	5.5511	8.05	0.00	389107			



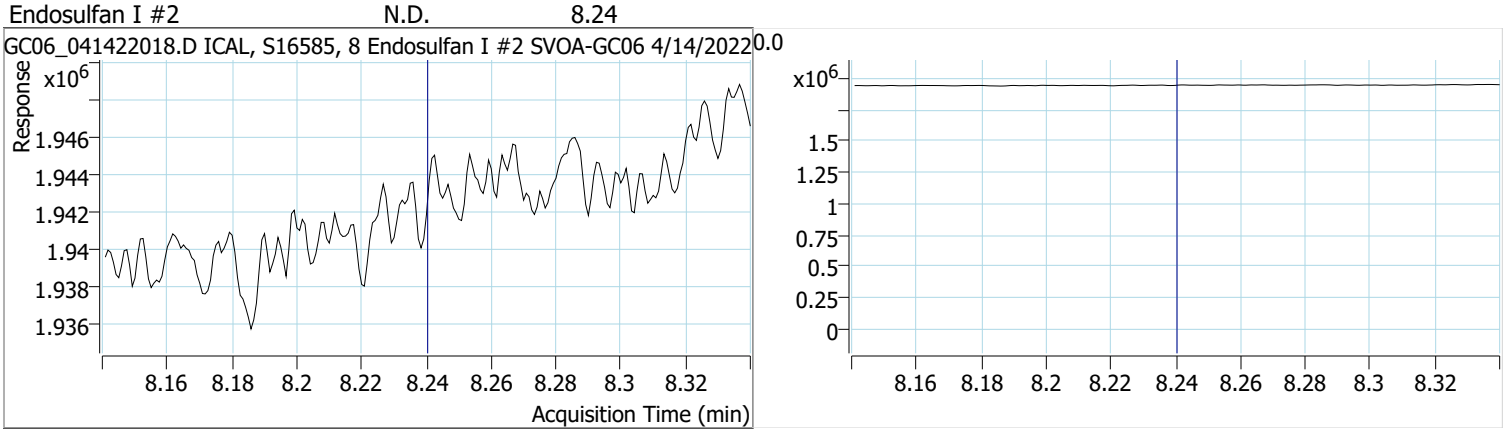
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0037	8.13	0.01	870			



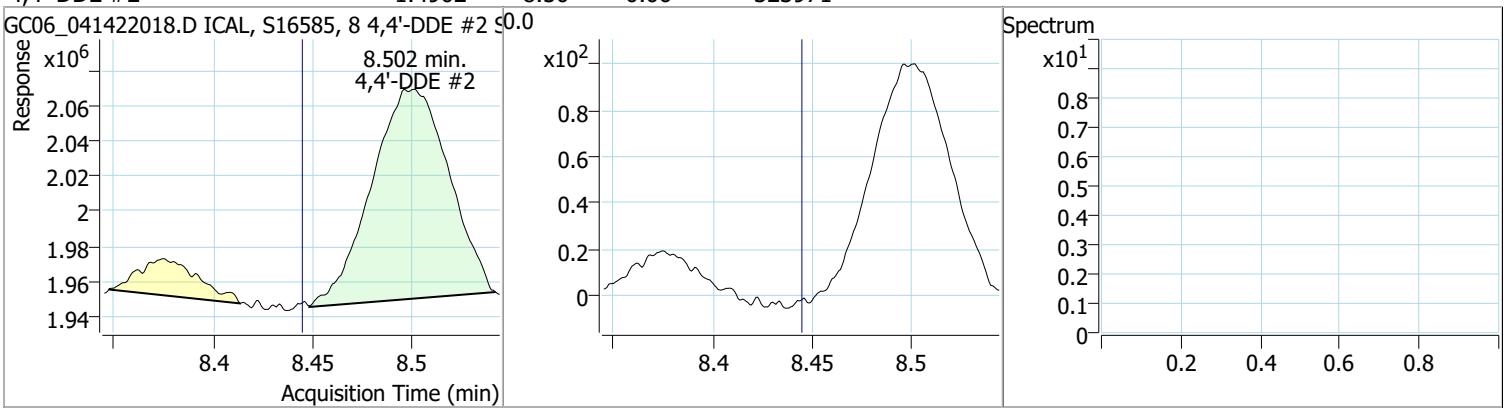
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	4.2544	8.28	0.10	285063			



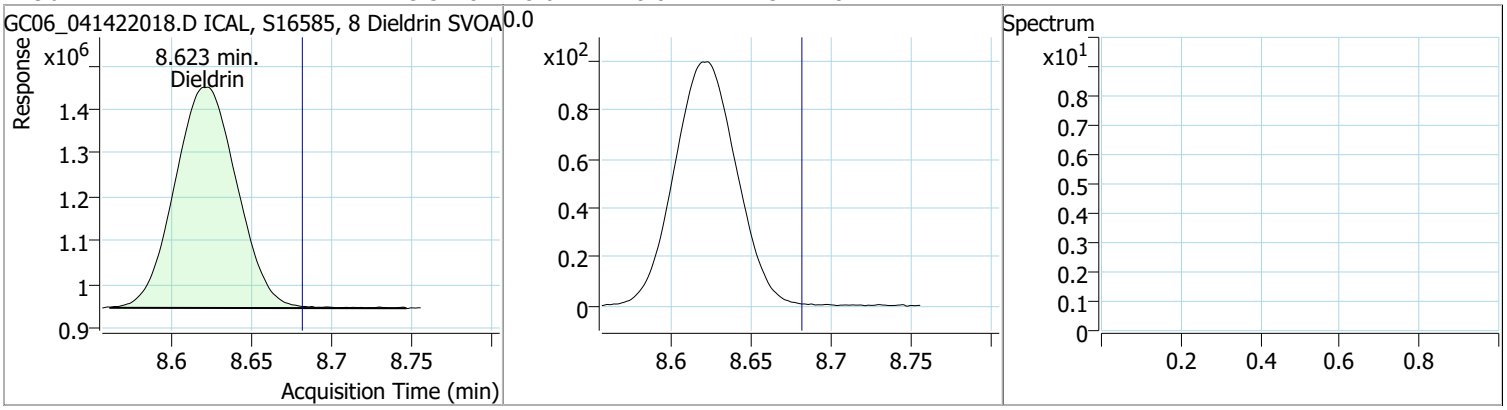
Compound	Conc.		Exp Ratio
Endosulfan I #2	N.D.	8.24	



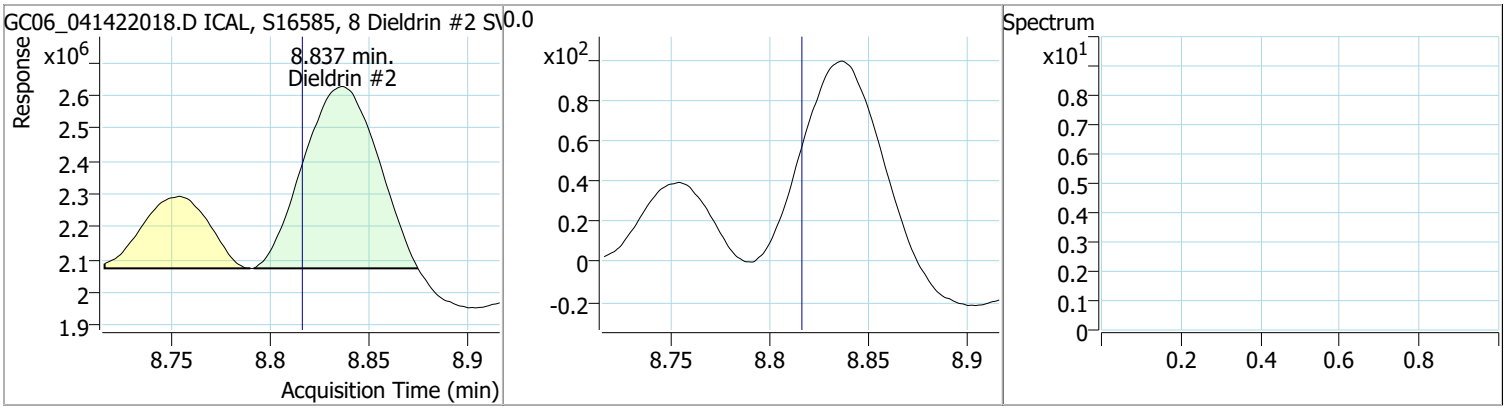
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	1.4902	8.50	0.06	323971			



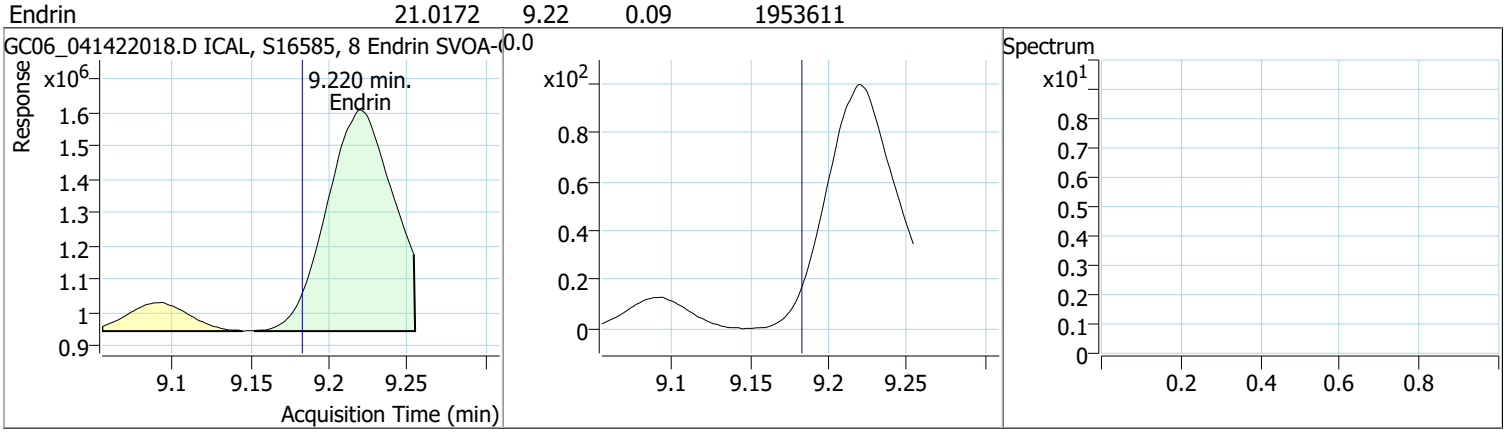
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	15.3278	8.62	-0.01	1377278			



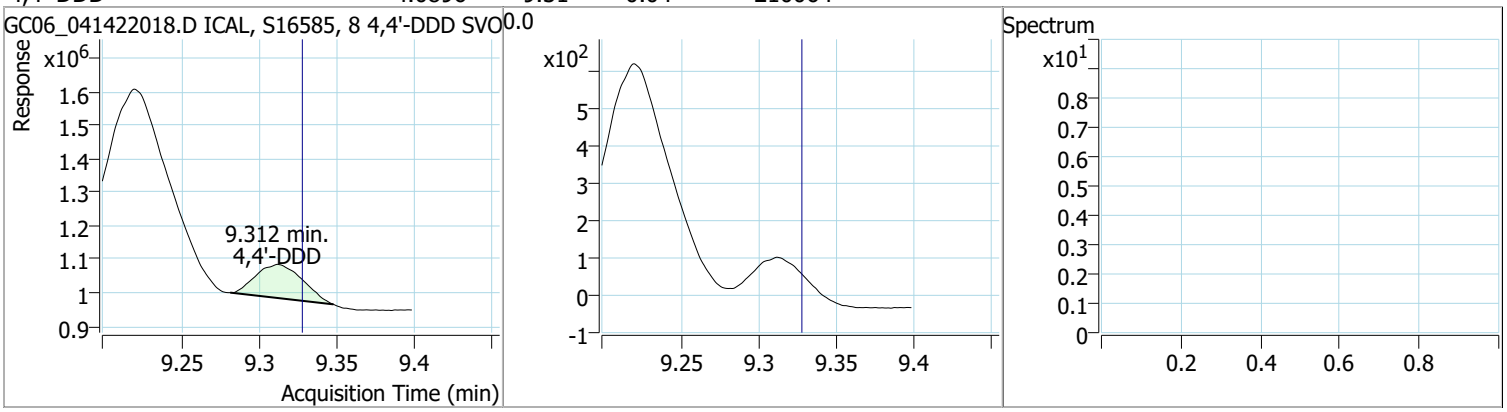
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	5.5858	8.84	0.02	1442884			



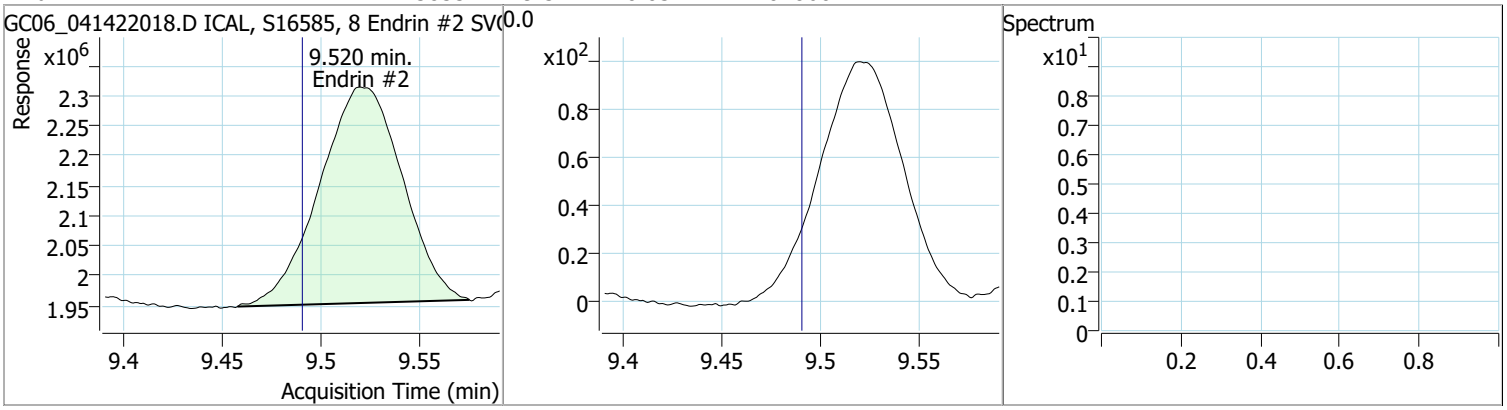
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	21.0172	9.22	0.09	1953611			



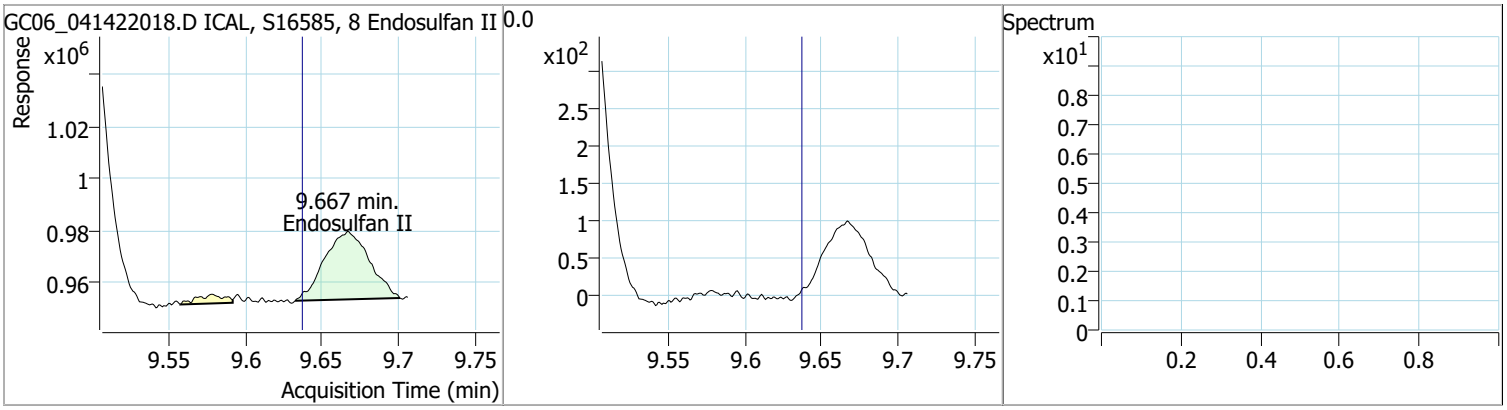
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	4.0896	9.31	0.04	210064			



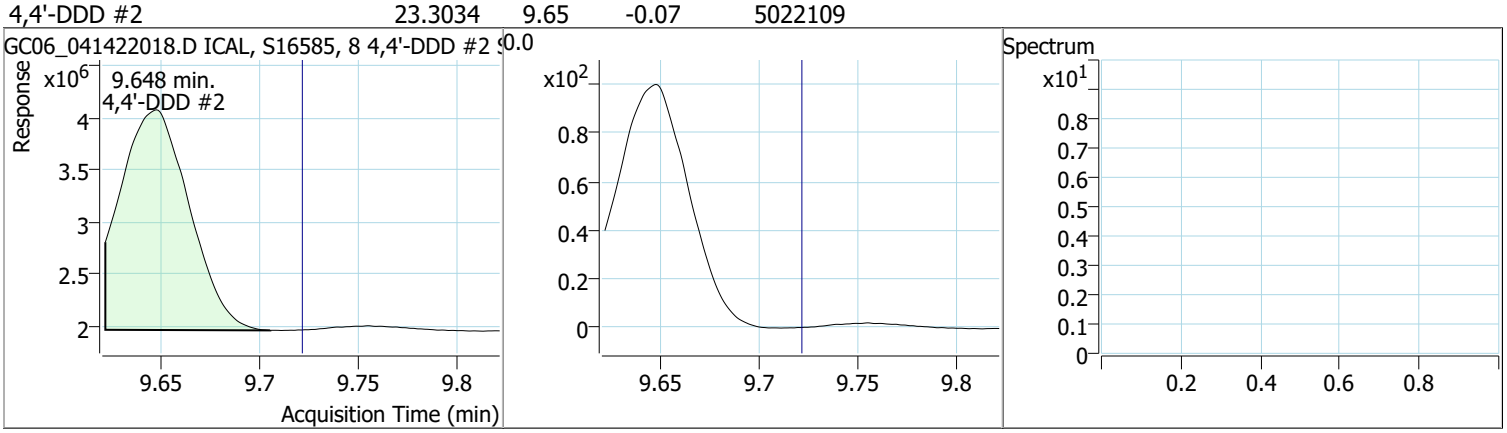
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	4.5855	9.52	0.03	1048602			



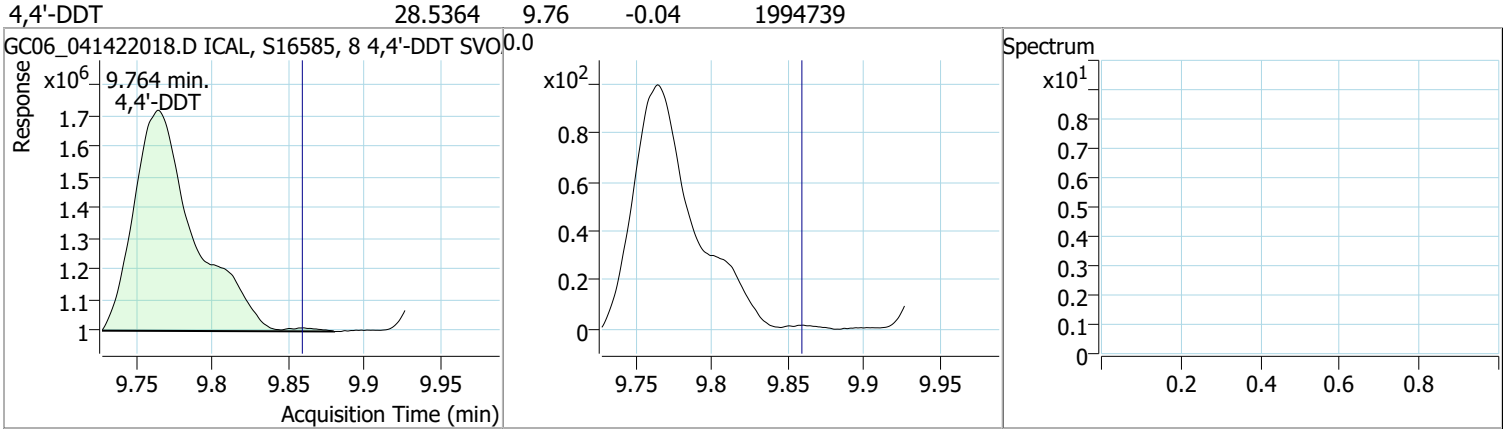
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	0.7928	9.67	0.08	53210			



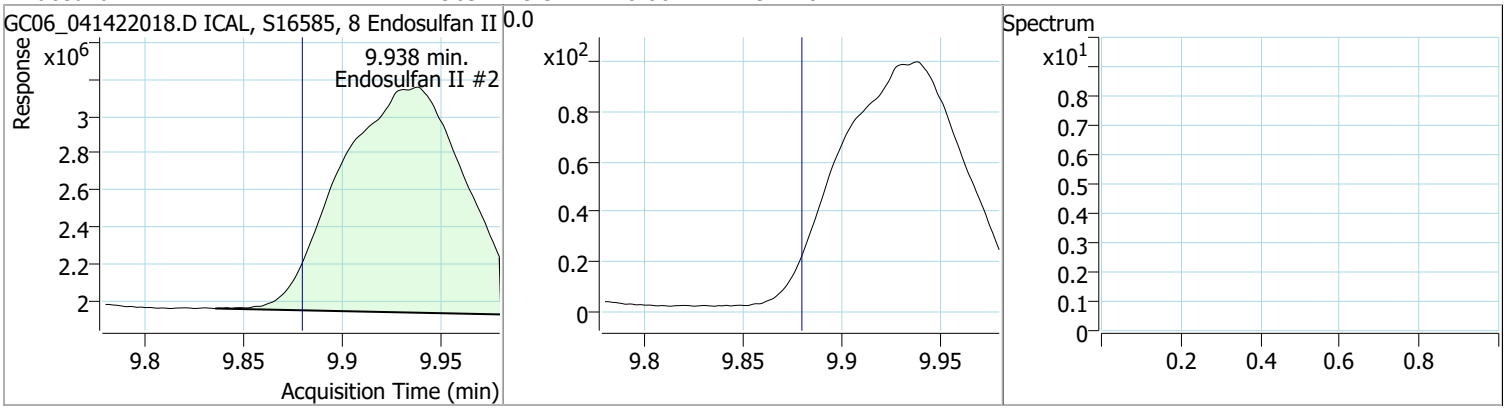
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	23.3034	9.65	-0.07	5022109			



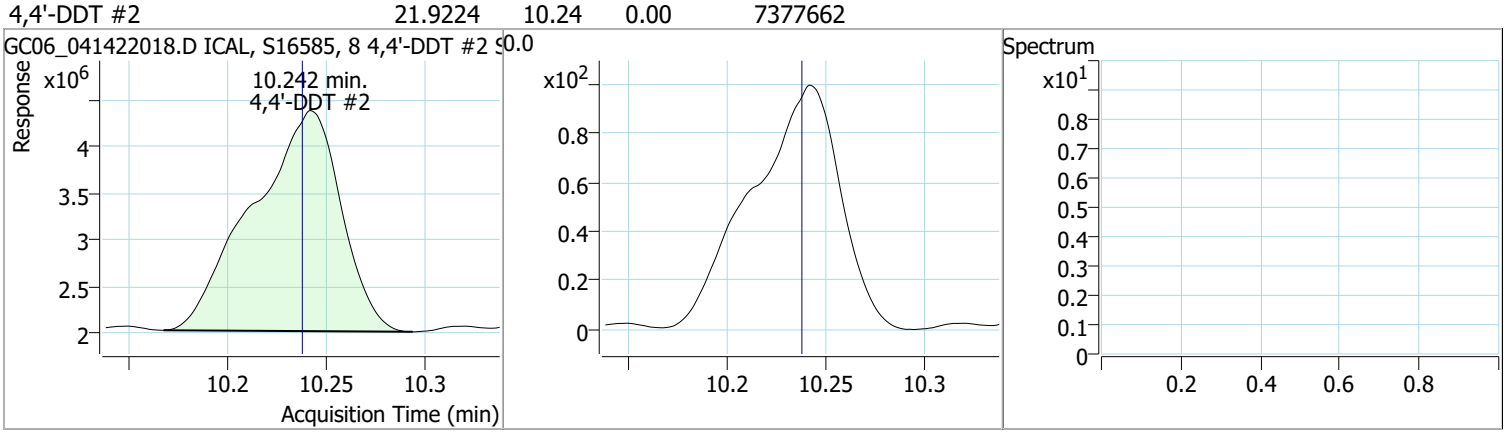
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	28.5364	9.76	-0.04	1994739			



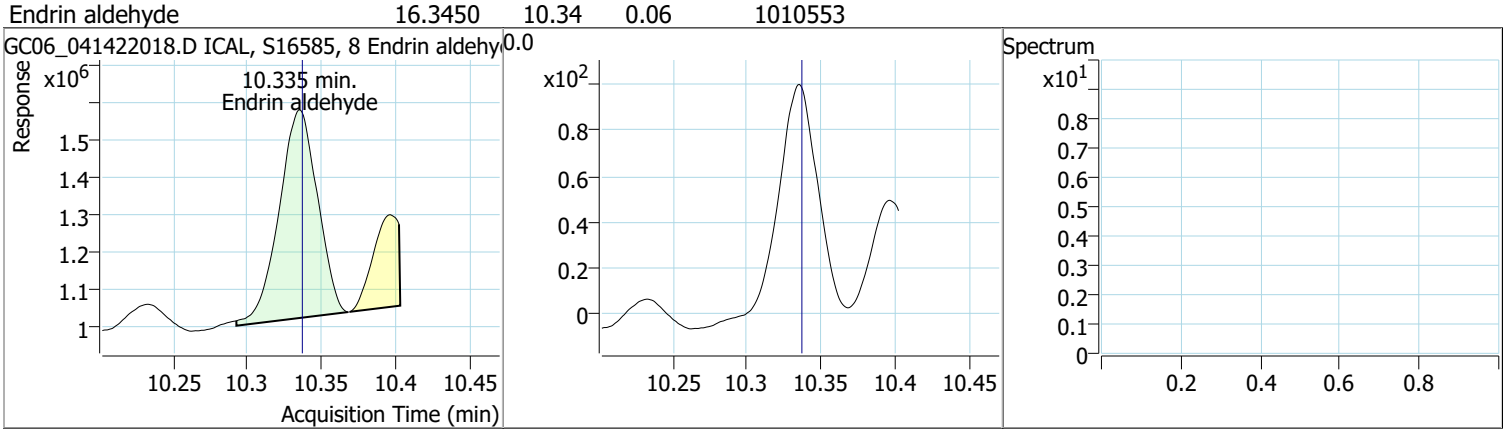
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	17.2969	9.94	0.06	5247074			



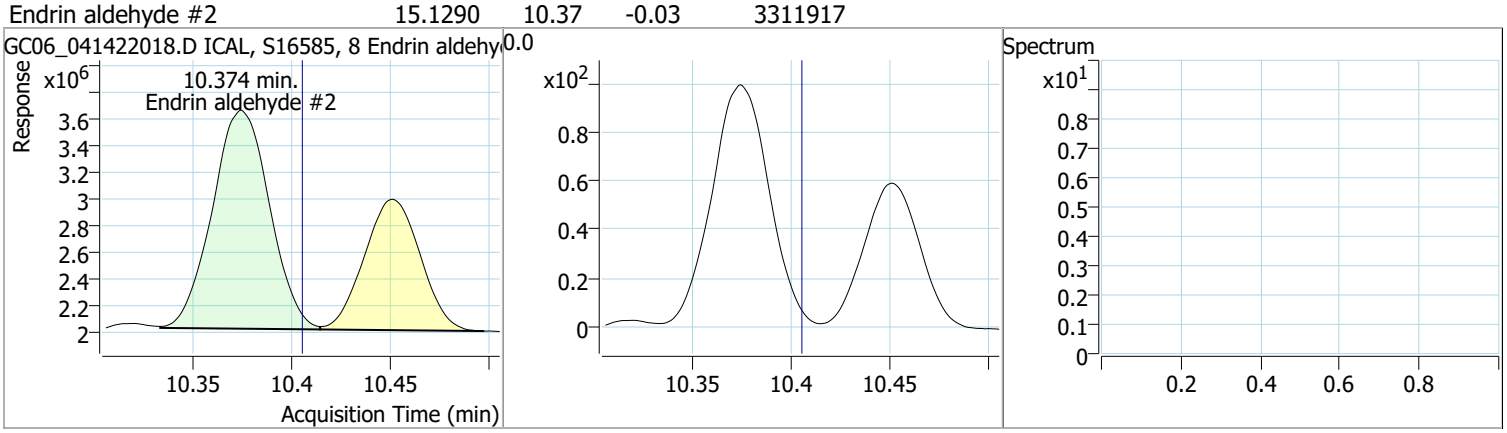
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	21.9224	10.24	0.00	7377662			



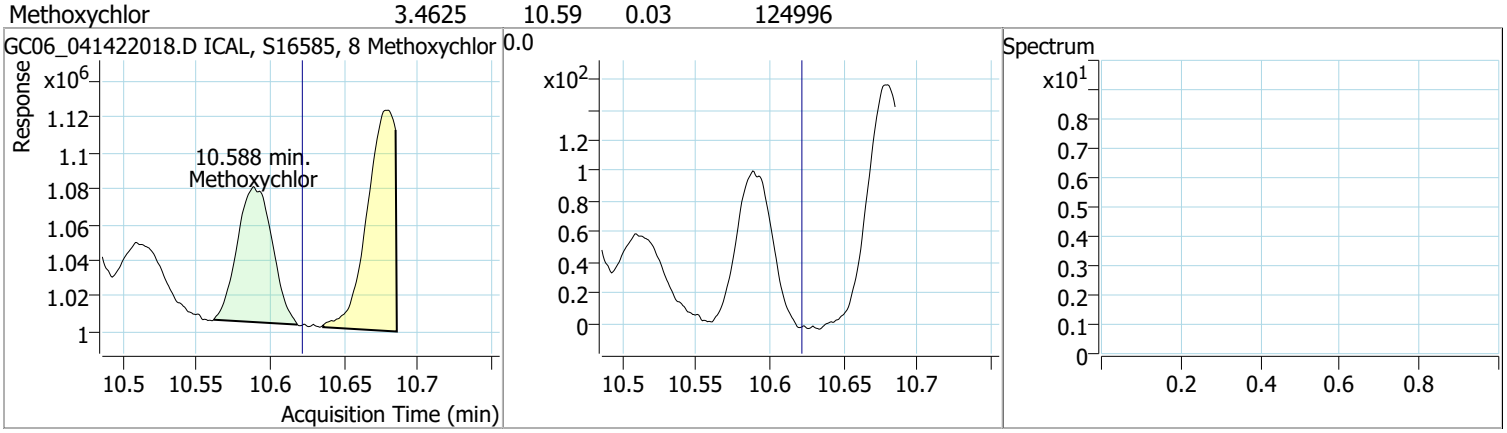
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	16.3450	10.34	0.06	1010553			



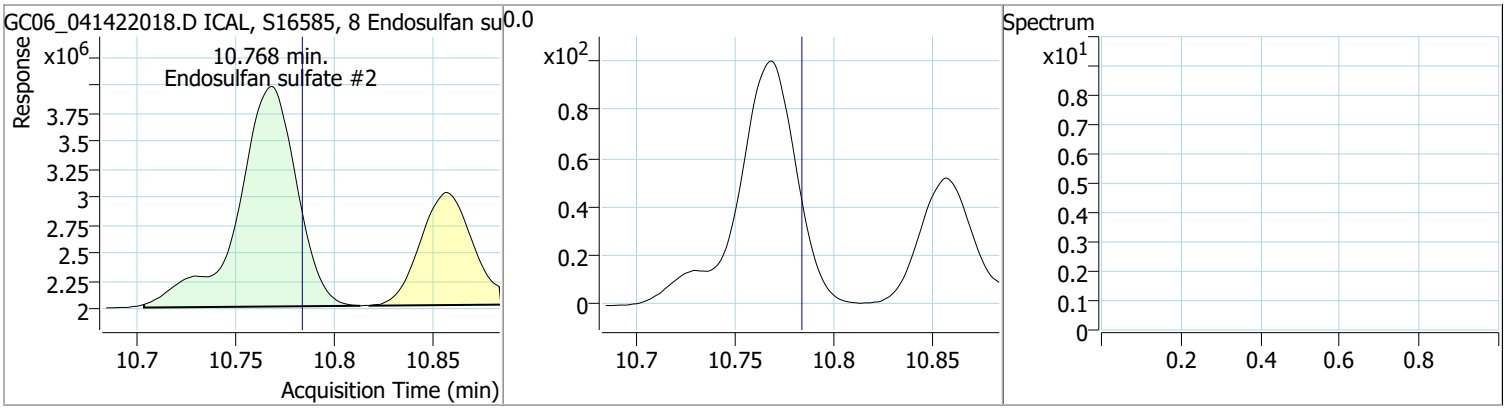
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	15.1290	10.37	-0.03	3311917			



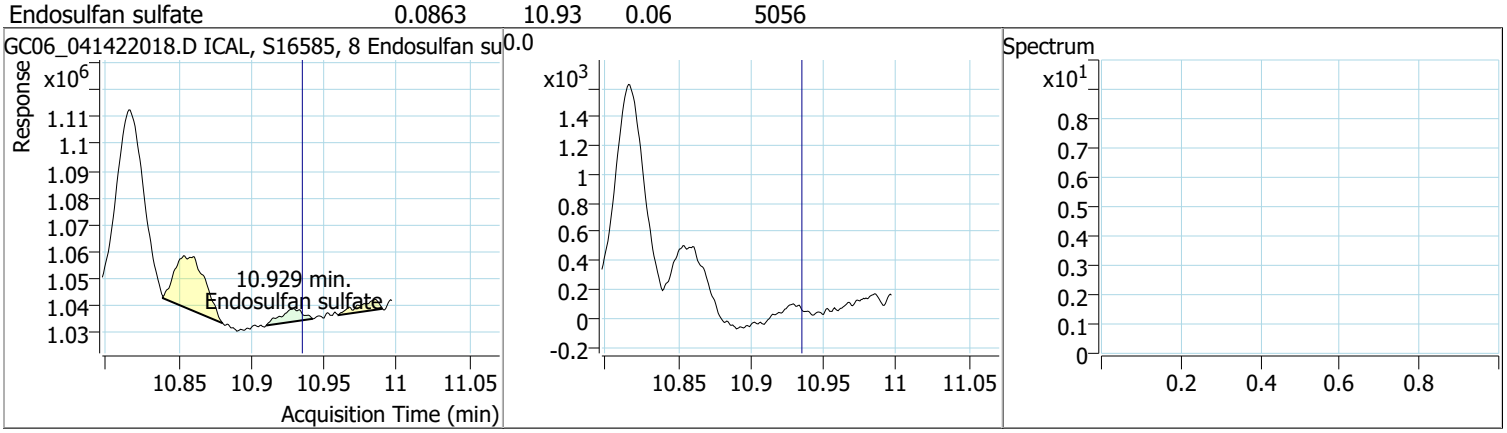
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	3.4625	10.59	0.03	124996			



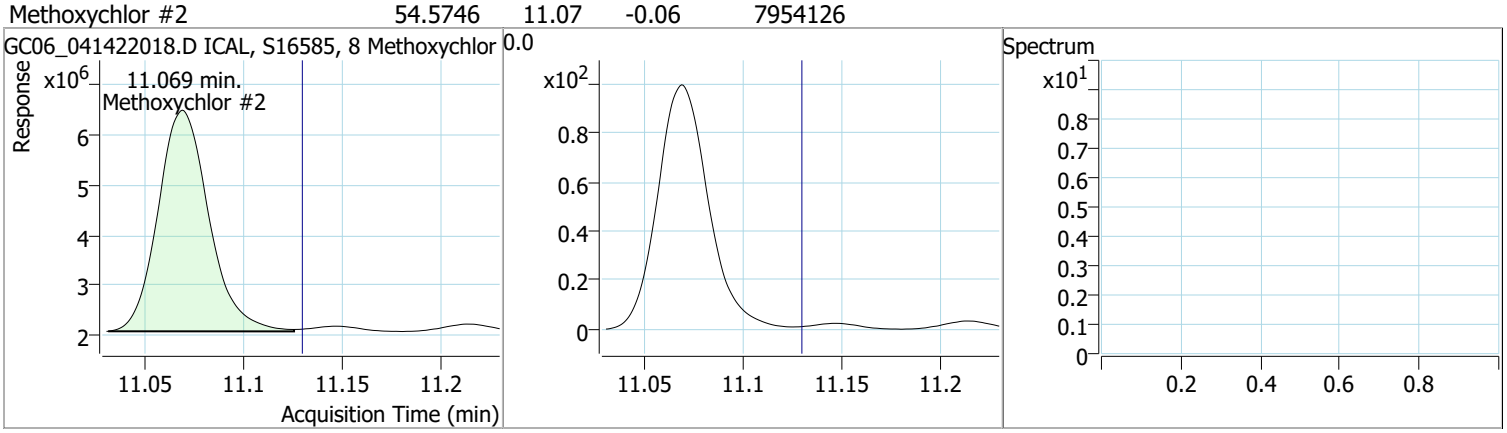
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	16.2109	10.77	-0.02	4111671			



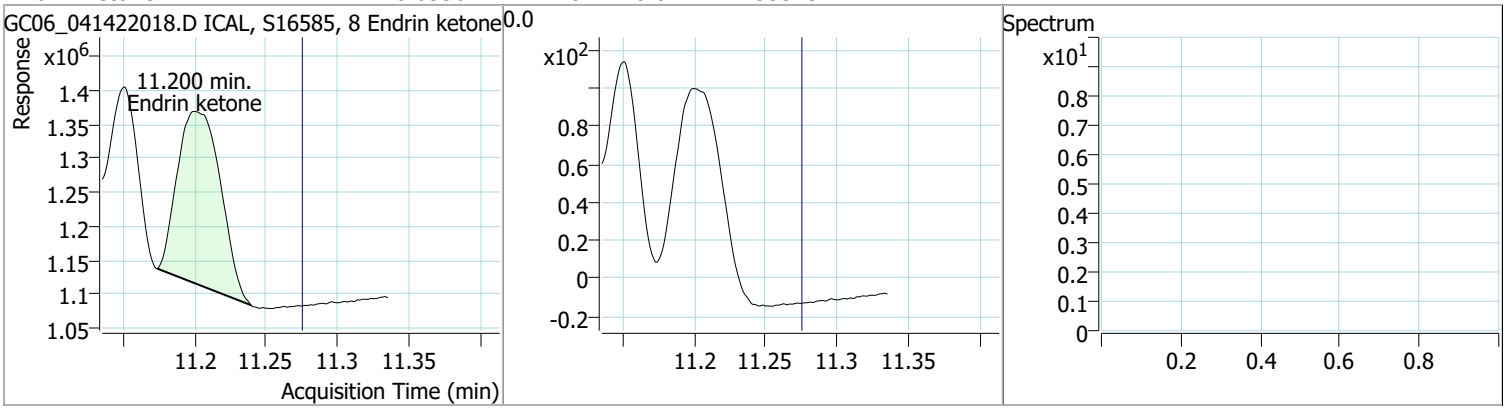
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	0.0863	10.93	0.06	5056			



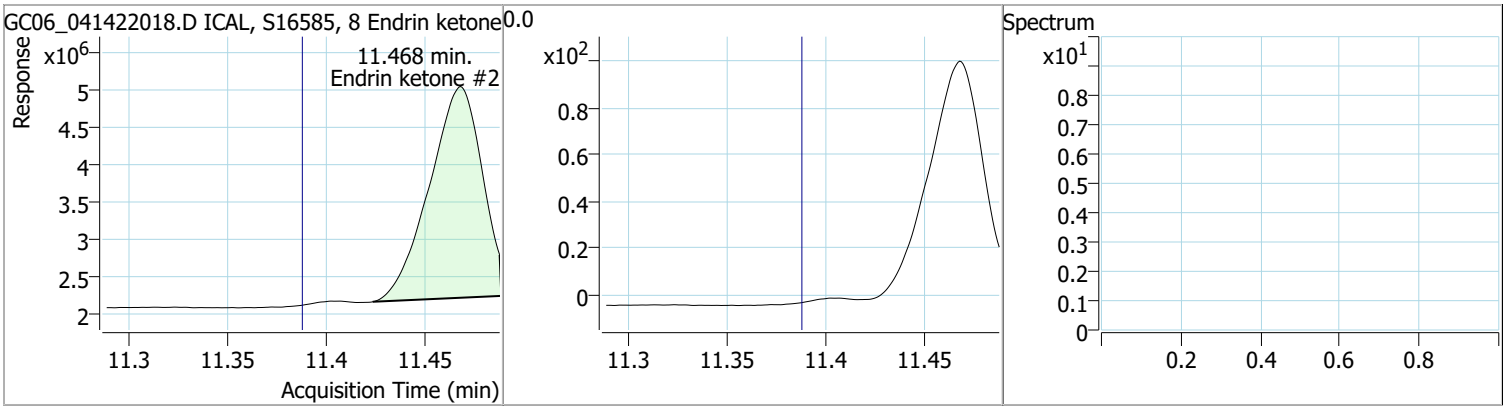
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	54.5746	11.07	-0.06	7954126			



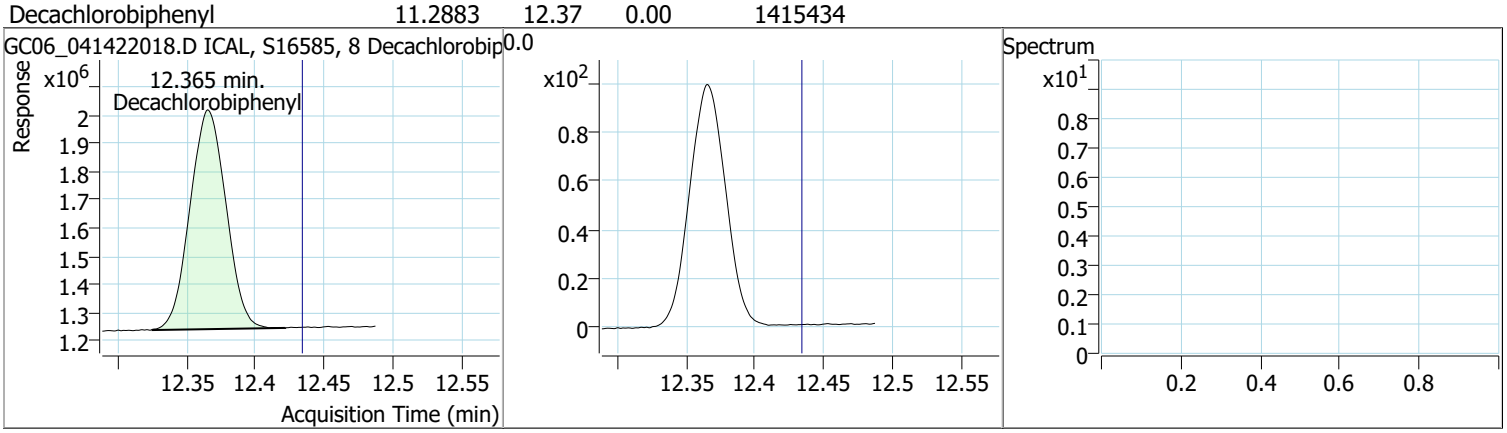
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	6.6536	11.20	-0.01	533254			



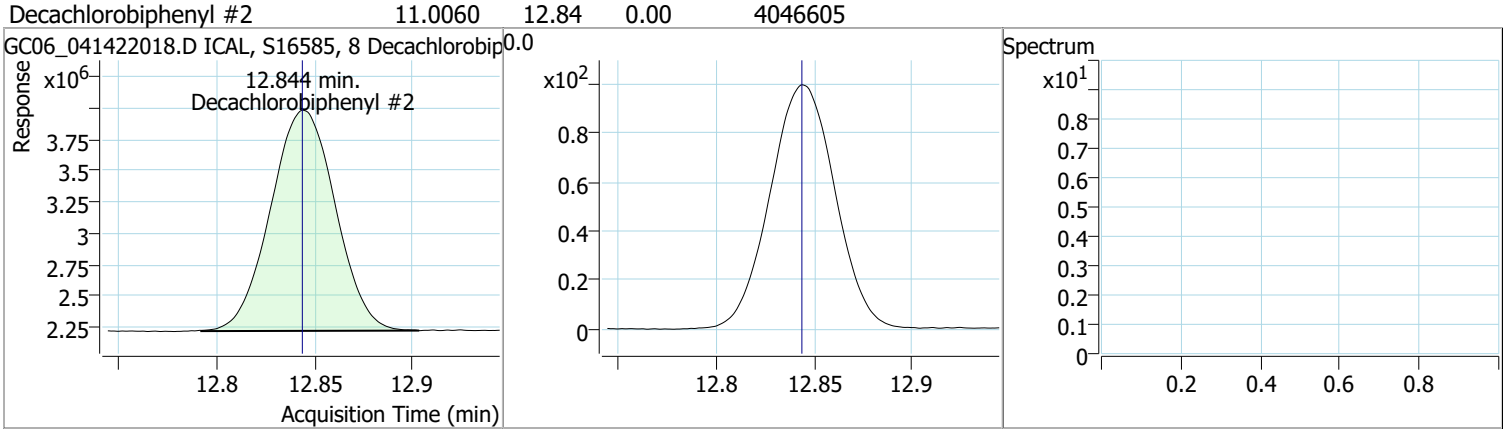
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	15.9229	11.47	0.08	5227834			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	11.2883	12.37	0.00	1415434			

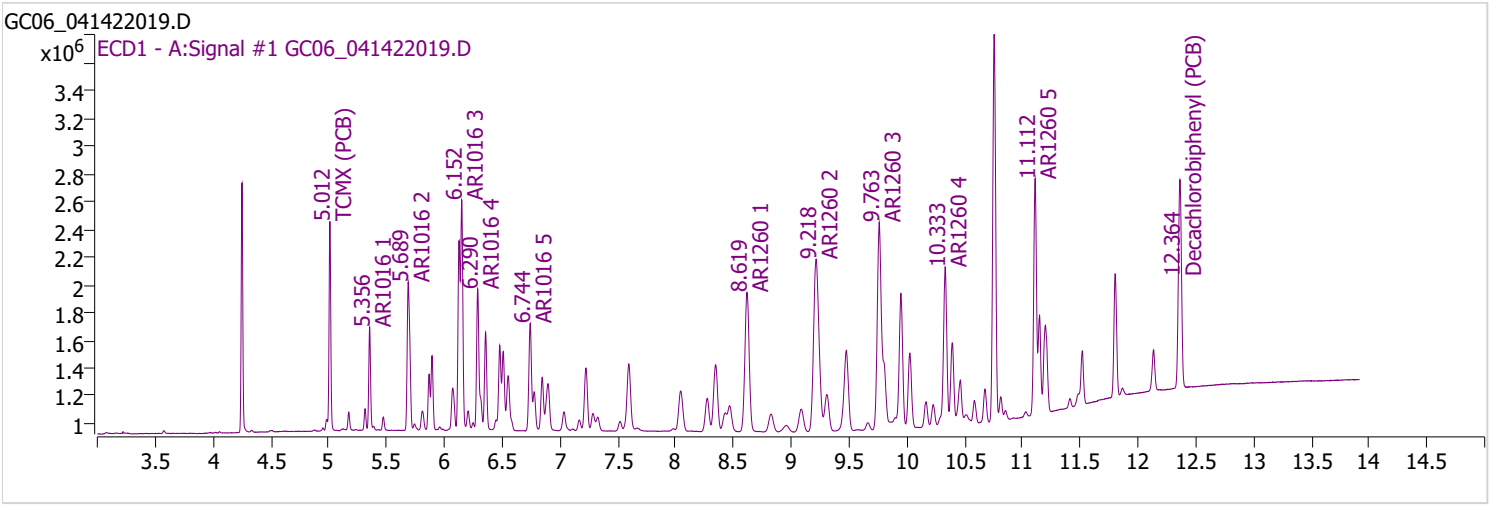


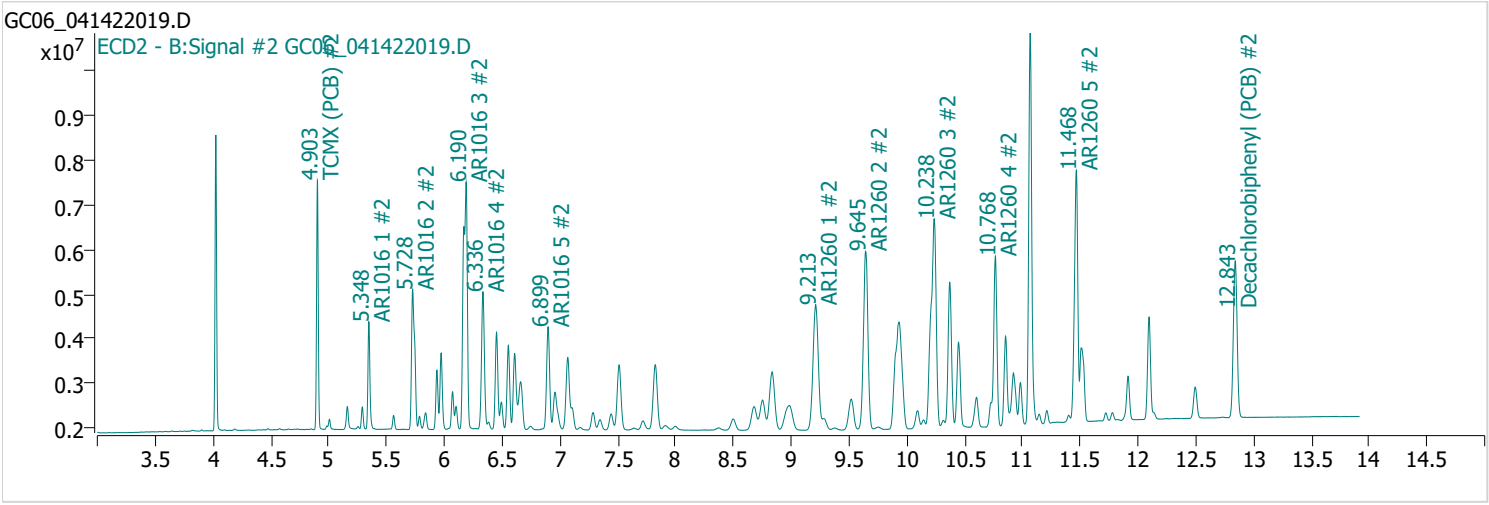
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	11.0060	12.84	0.00	4046605			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422019.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:51:33 PM
Sample Name	ICAL, S16585, 4	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 115	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



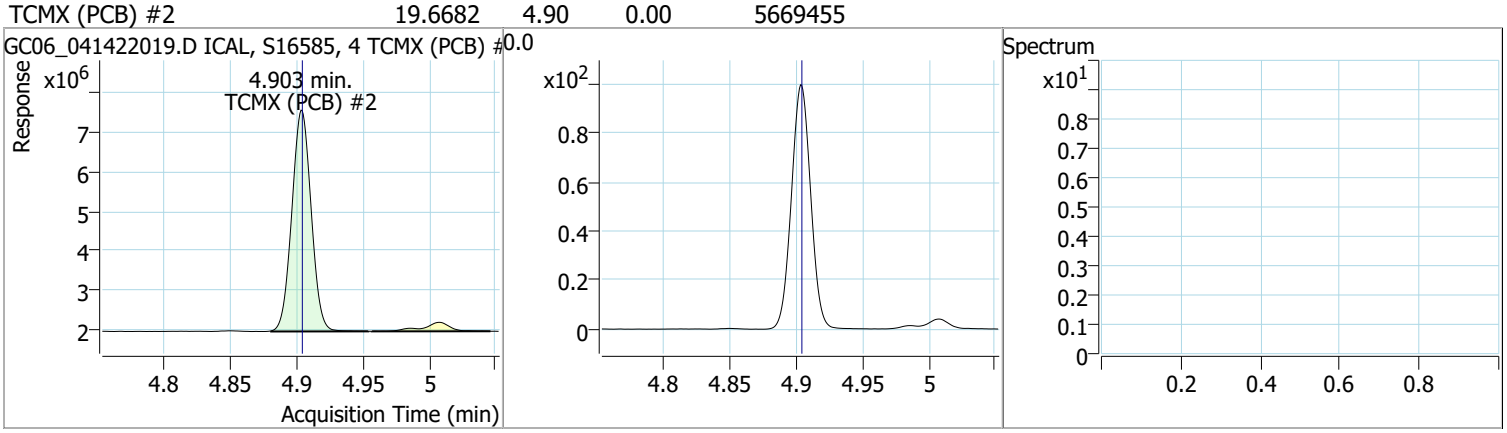


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.252	4.025	1751391	6293294	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.012	4.903	1579508	5669455	18.750	19.668	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	93.75%	98.34%	
S Decachlorobiphenyl (PCB)	12.364	12.843	2854774	8049404	21.438	21.197	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	107.19%	105.98%	
Target Compounds							
T AR1016 1	5.356	5.348	817856	2886563	477.394	489.790	ng/ml
T AR1016 2	5.689	5.728	1755526	6043942	470.625	494.172	ng/ml
T AR1016 3	6.152	6.190	2166227	7959848 m	493.437	493.496	ng/ml
T AR1016 4	6.290	6.336	1608136	5357999	489.499	489.637	ng/ml
T AR1016 5	6.744	6.899	1233025	4246029	485.194	496.301	ng/ml
T AR1260 1	8.619	9.213	2643383	9095023 m	479.596	477.498	ng/ml
T AR1260 2	9.218	9.645	4080185	10571114 m	480.627	480.320	ng/ml
T AR1260 3	9.763	10.238	4246183 m	14462994	481.144	483.695	ng/ml
T AR1260 4	10.333	10.768	2144630	8020449	488.632	495.702	ng/ml

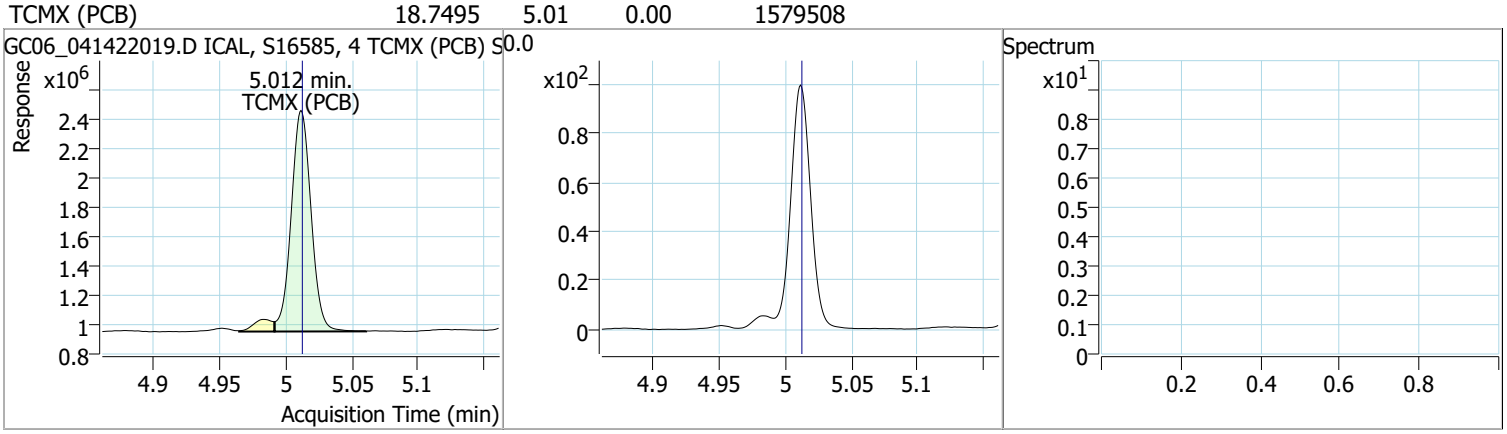
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.468	2847527	11472329	490.189	480.925	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

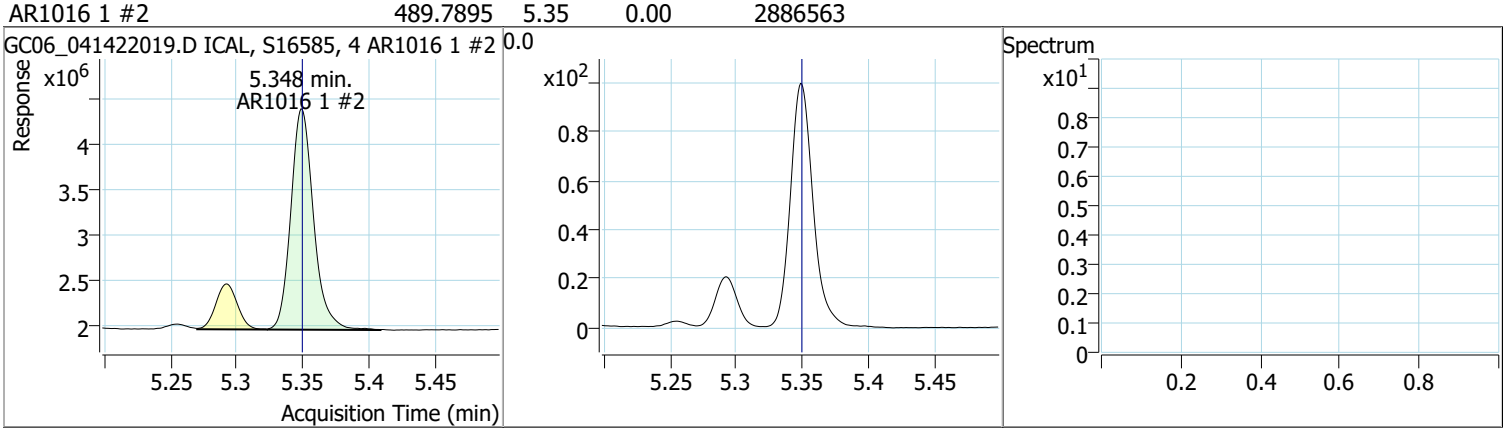
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	19.6682	4.90	0.00	5669455			



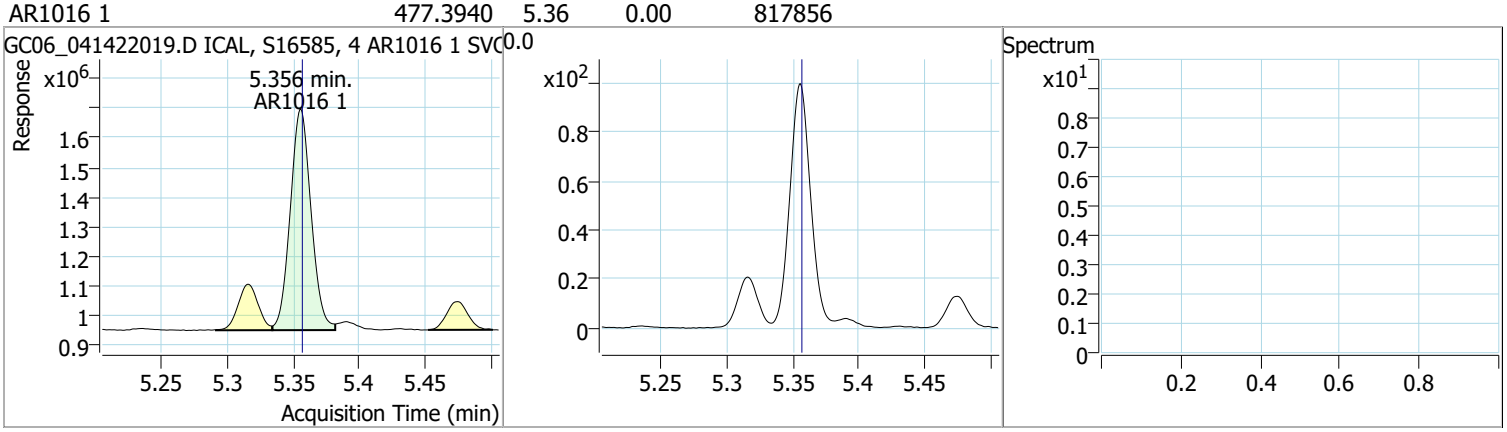
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	18.7495	5.01	0.00	1579508			



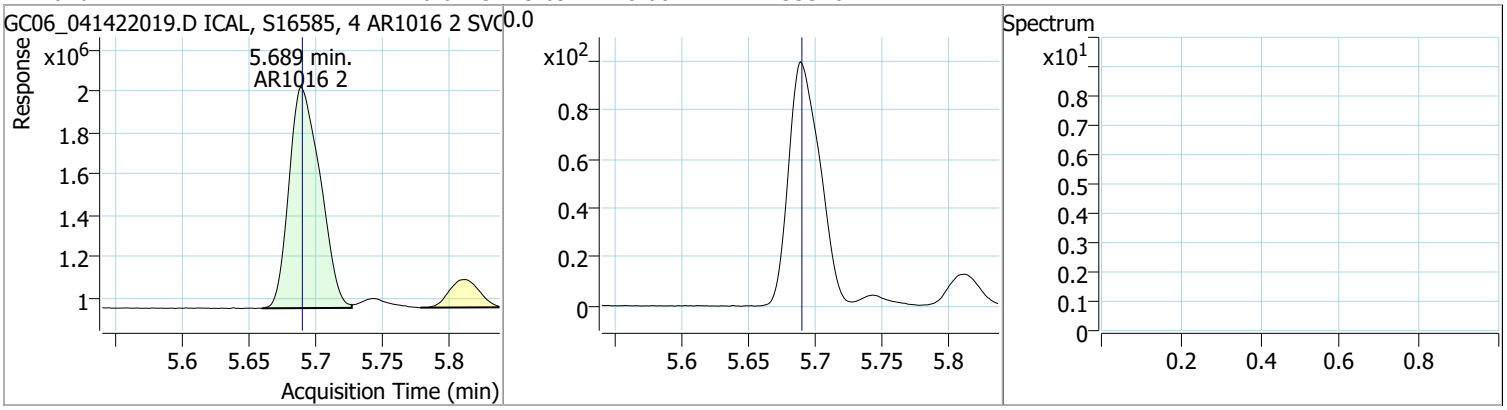
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	489.7895	5.35	0.00	2886563			



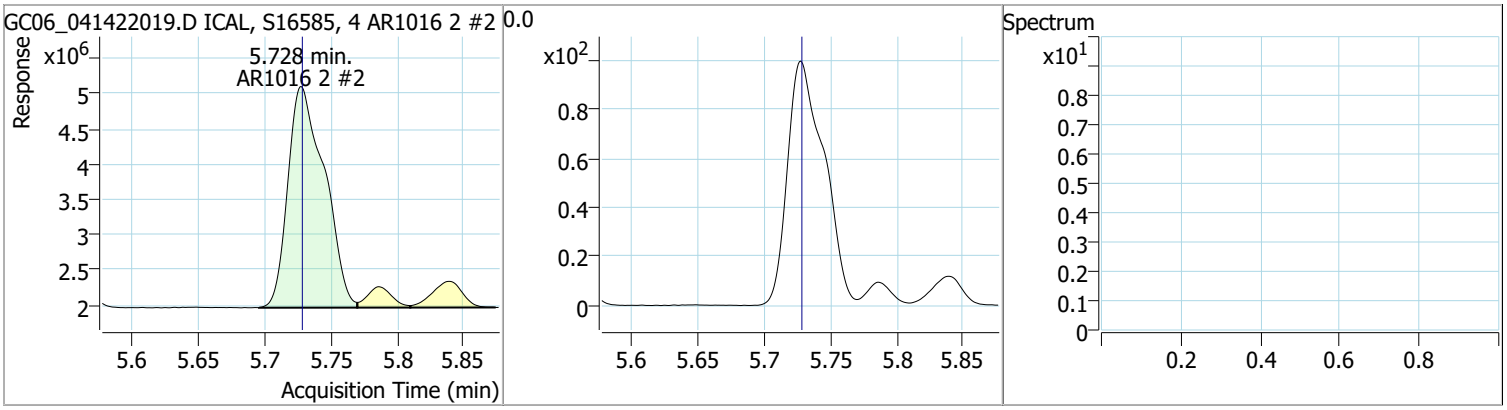
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	477.3940	5.36	0.00	817856			



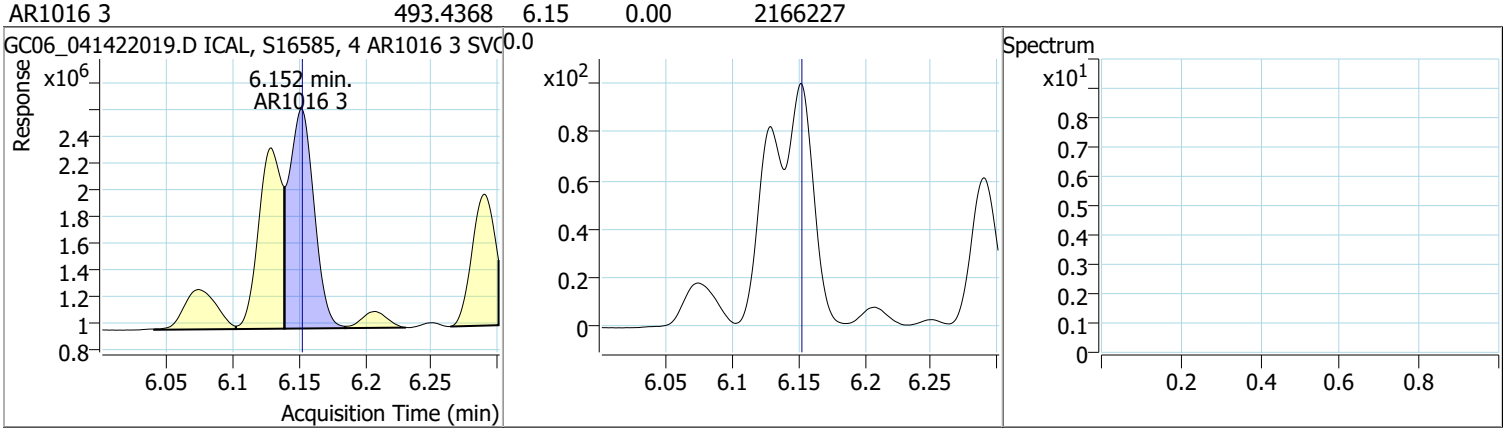
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	470.6245	5.69	0.00	1755526			



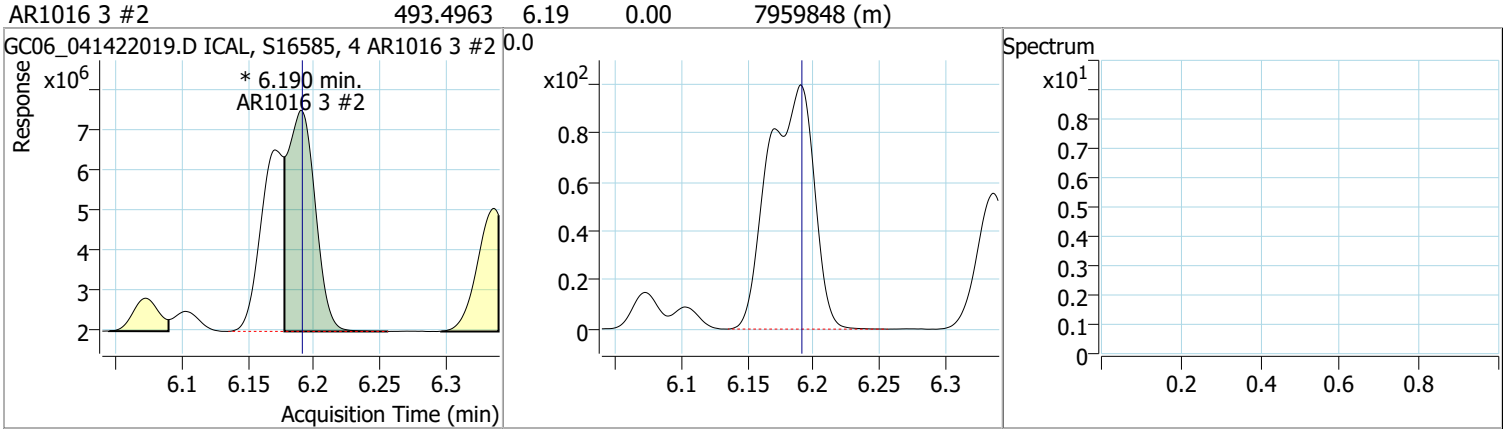
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	494.1724	5.73	0.00	6043942			



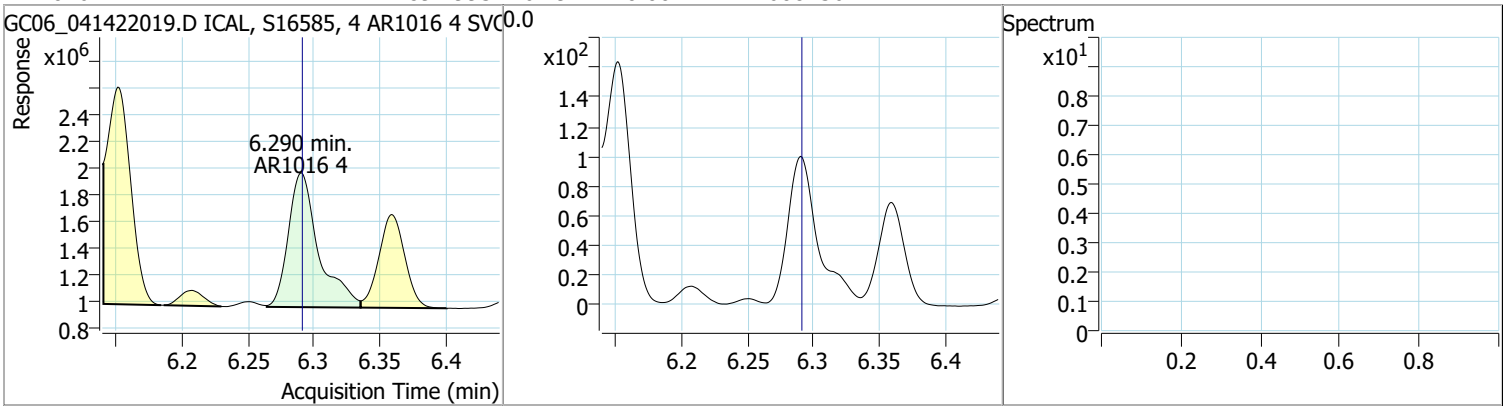
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	493.4368	6.15	0.00	2166227			



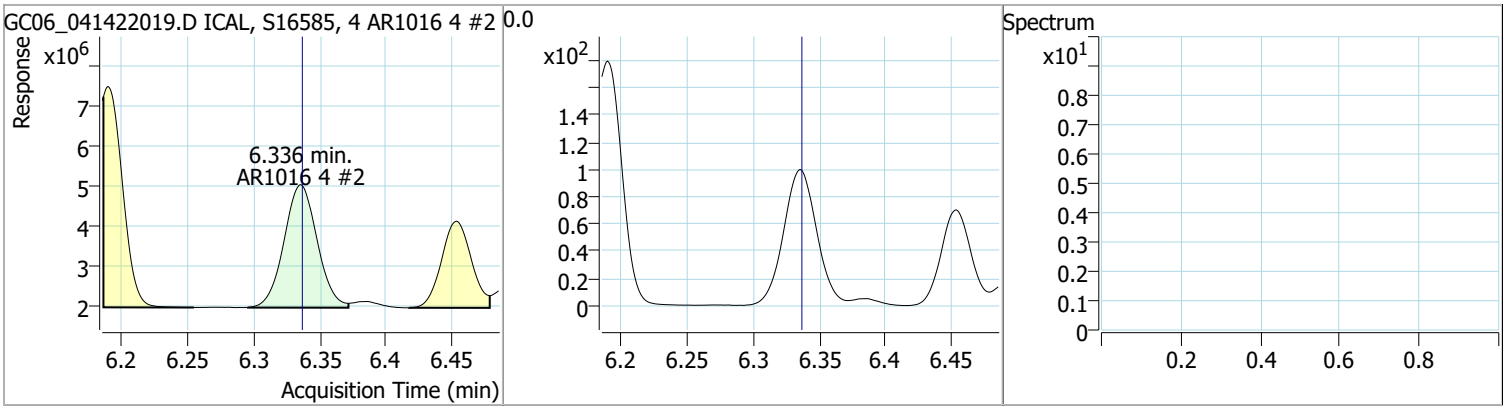
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	493.4963	6.19	0.00	7959848 (m)			



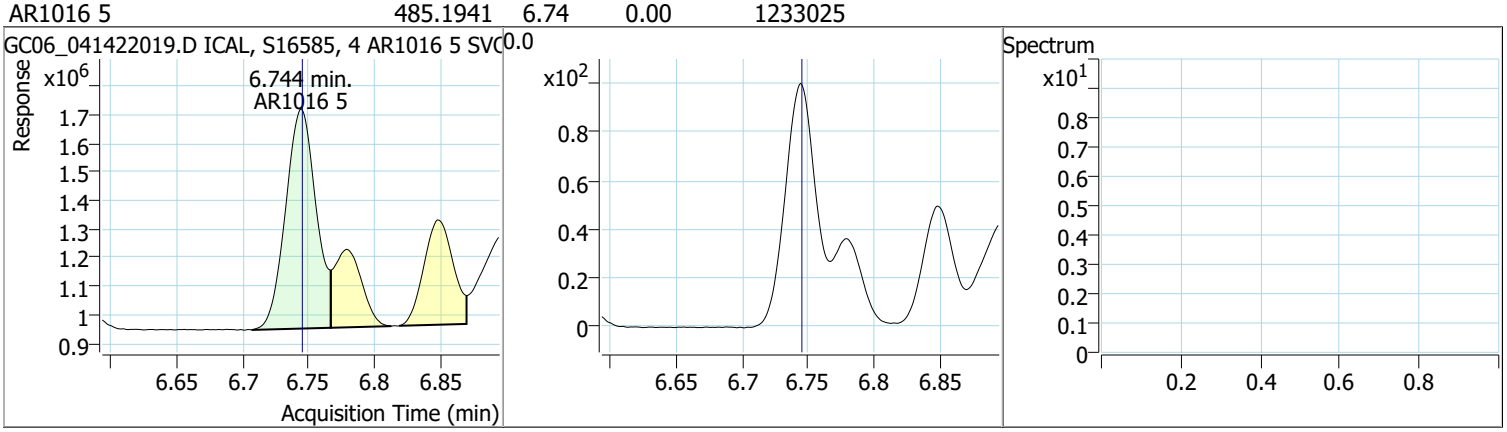
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	489.4993	6.29	0.00	1608136			



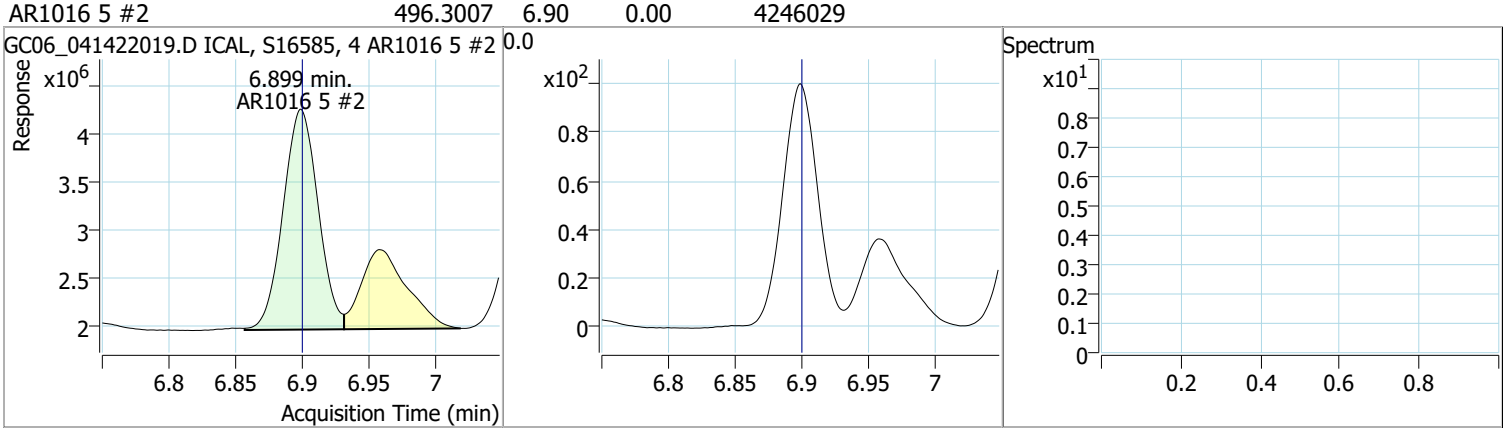
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	489.6367	6.34	0.00	5357999			



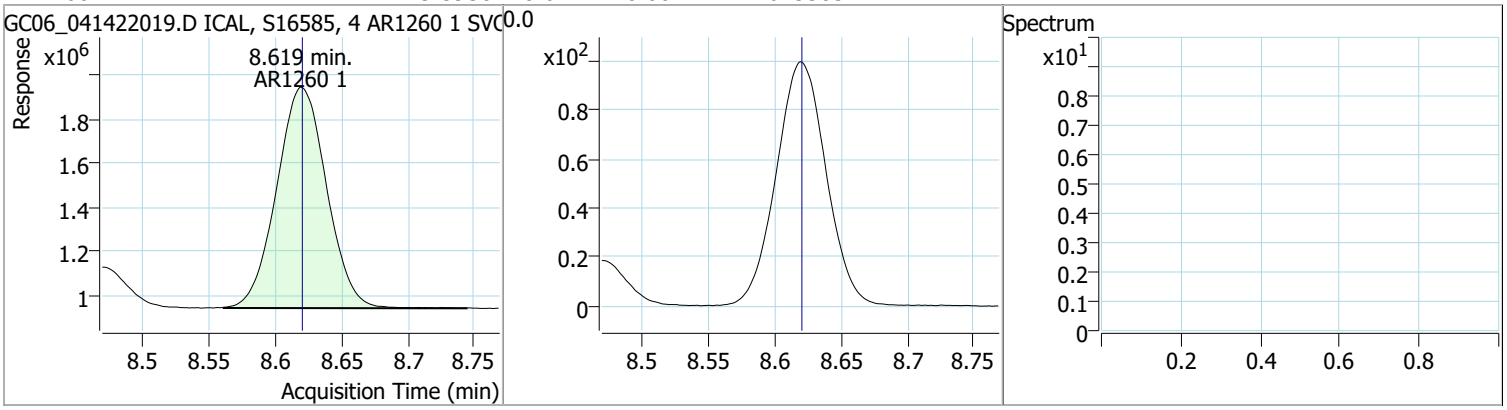
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	485.1941	6.74	0.00	1233025			



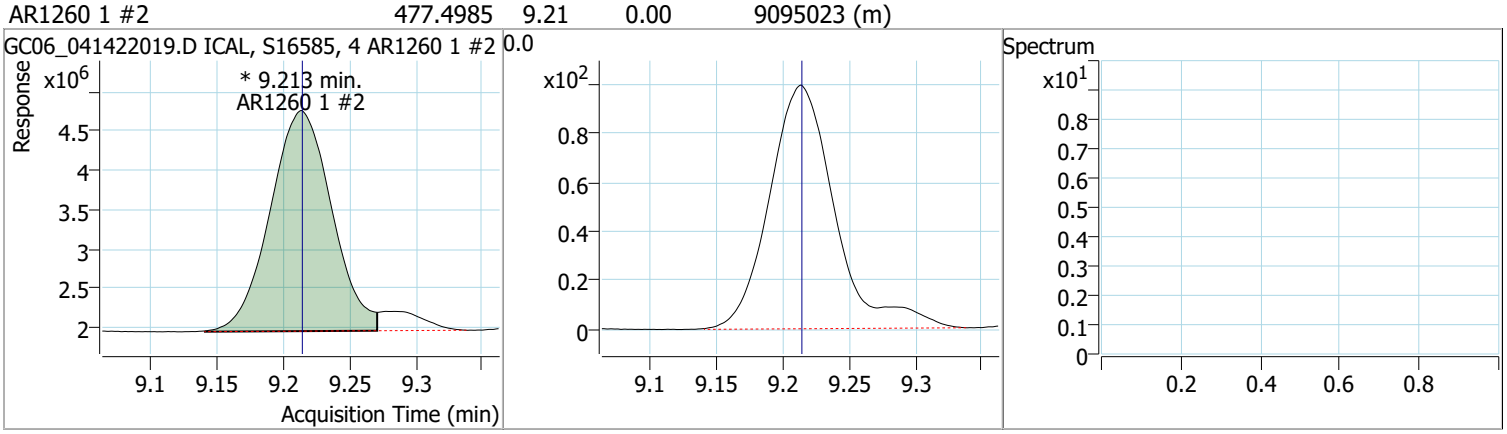
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	496.3007	6.90	0.00	4246029			



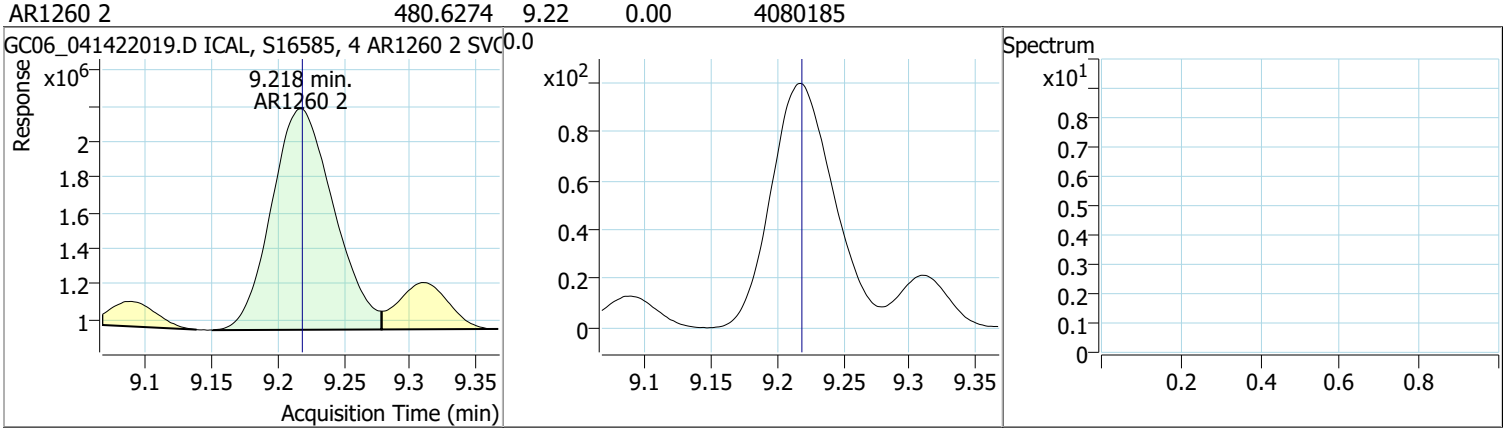
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	479.5958	8.62	0.00	2643383			



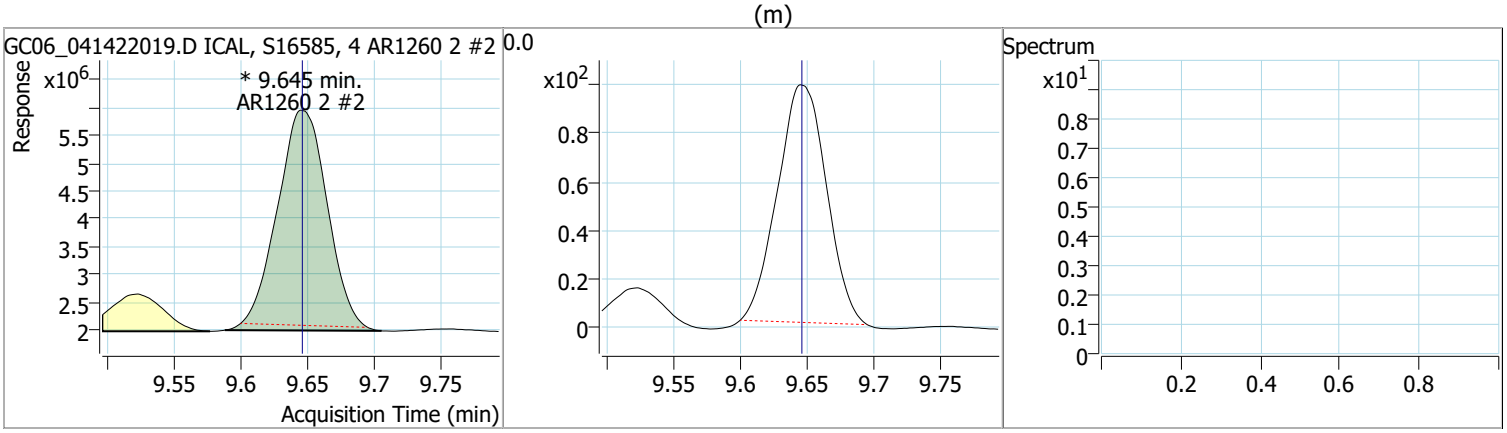
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	477.4985	9.21	0.00	9095023 (m)			



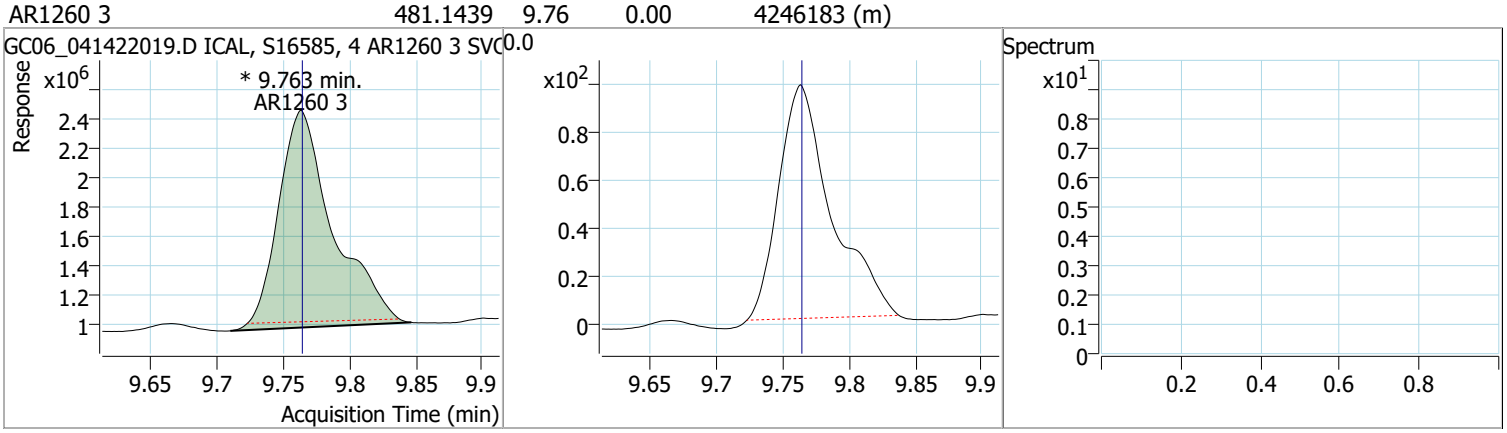
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	480.6274	9.22	0.00	4080185			



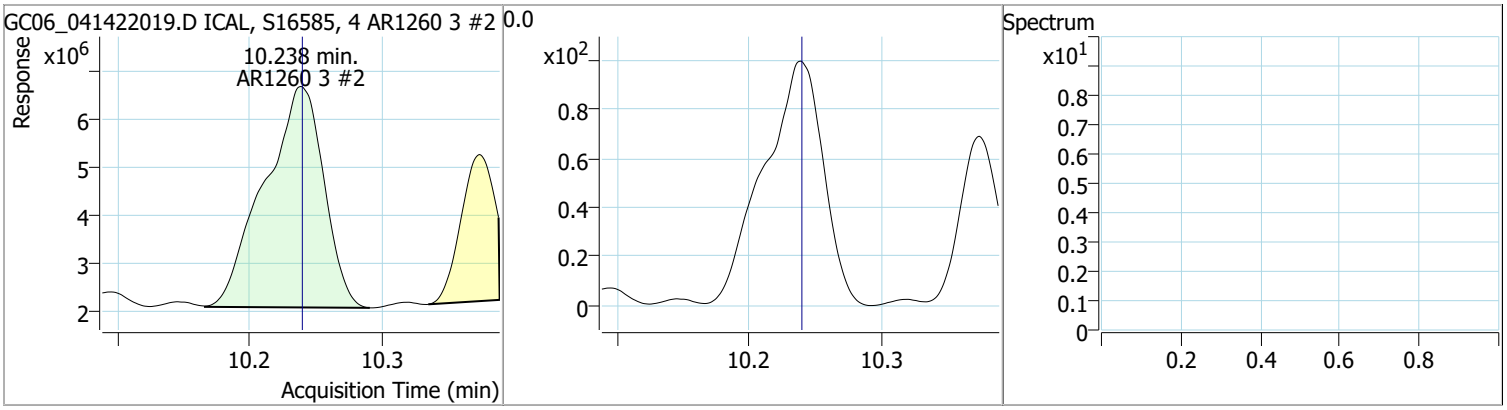
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	480.3199	9.65	0.00	10571114 (m)			



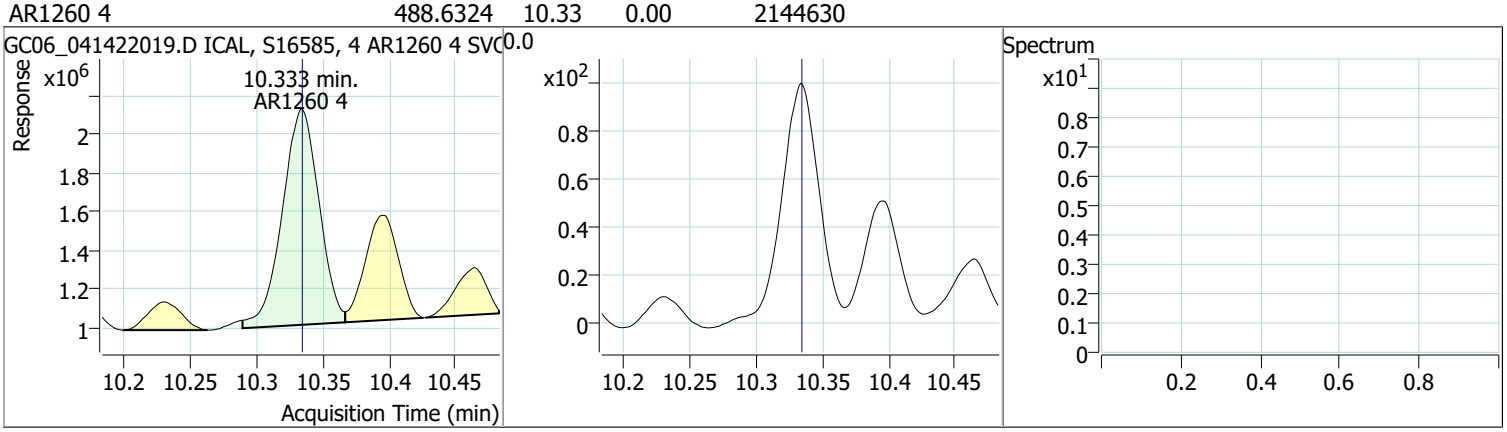
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	481.1439	9.76	0.00	4246183 (m)			



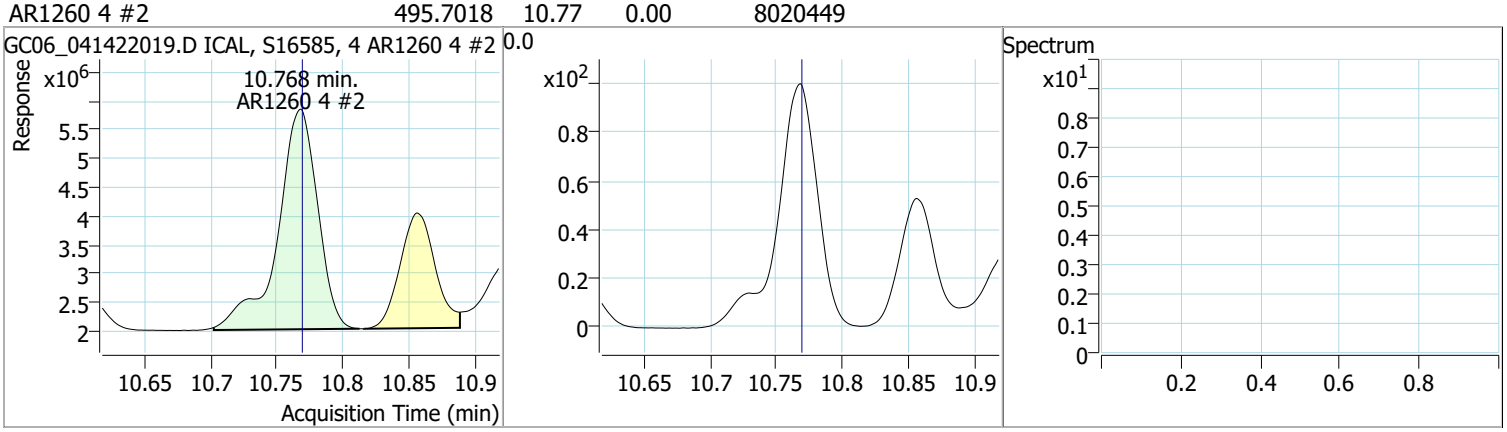
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	483.6947	10.24	0.00	14462994			



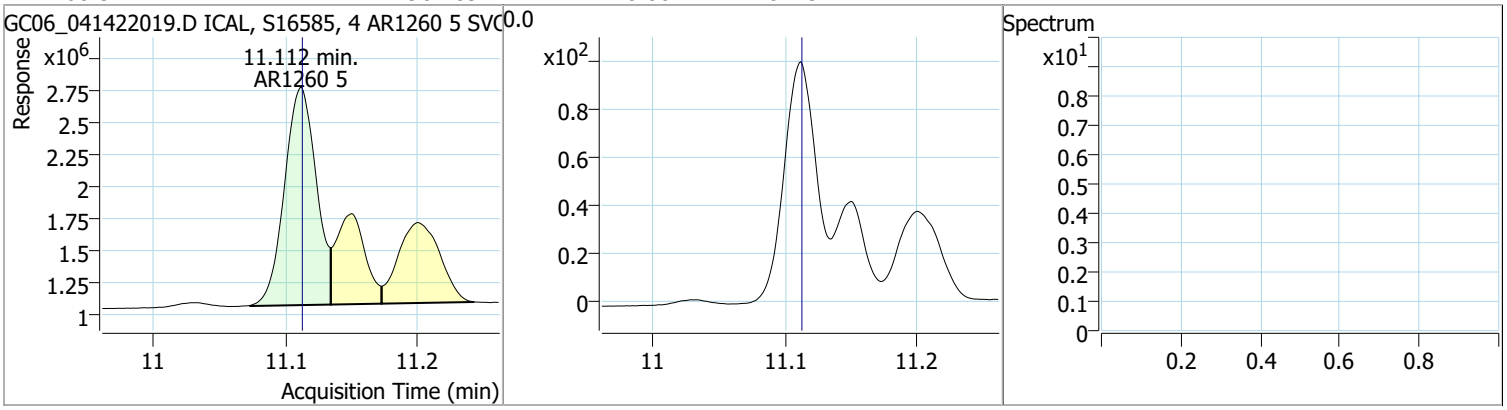
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	488.6324	10.33	0.00	2144630			



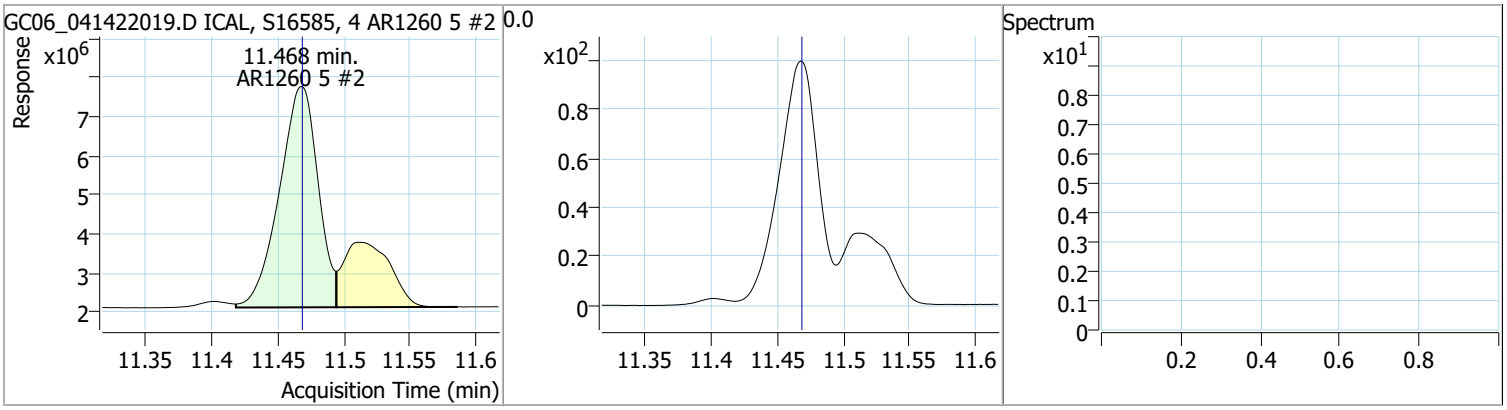
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	495.7018	10.77	0.00	8020449			



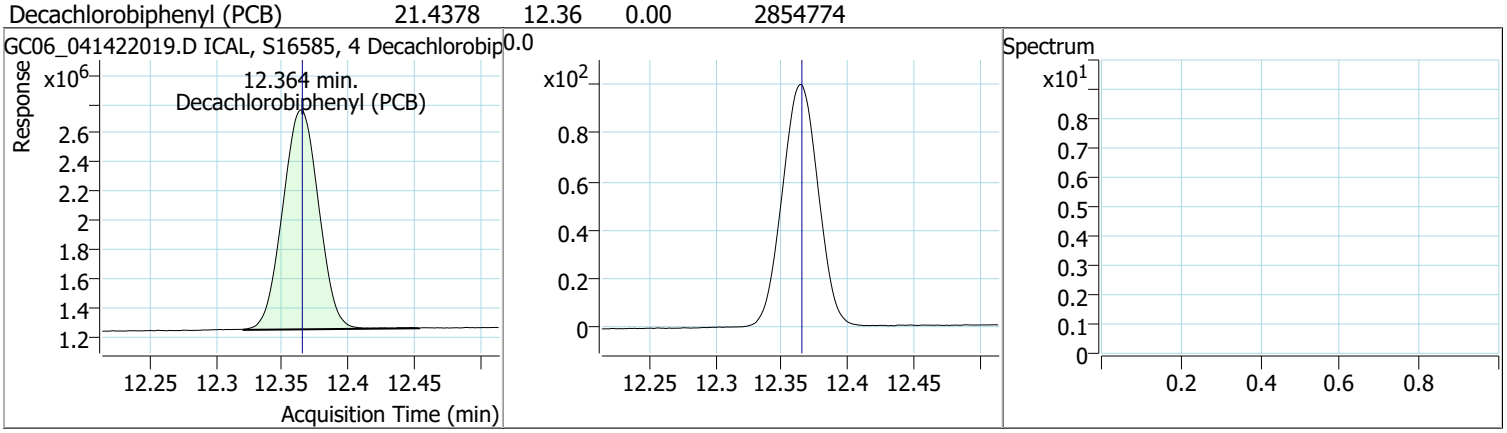
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	490.1891	11.11	0.00	2847527			



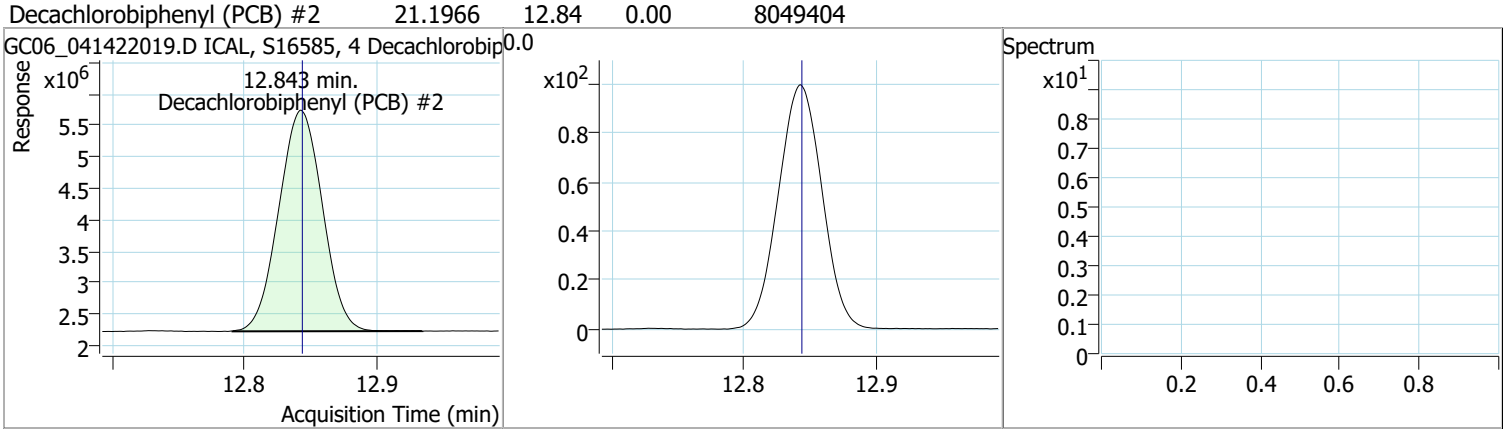
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	480.9254	11.47	0.00	11472329			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	21.4378	12.36	0.00	2854774			

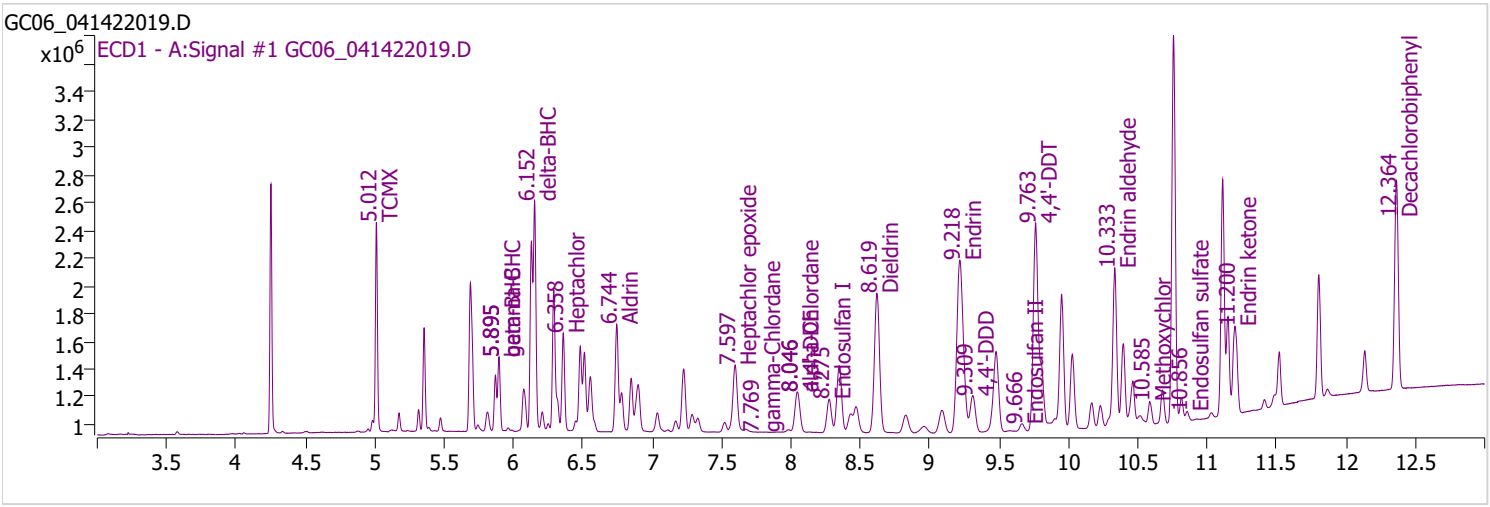


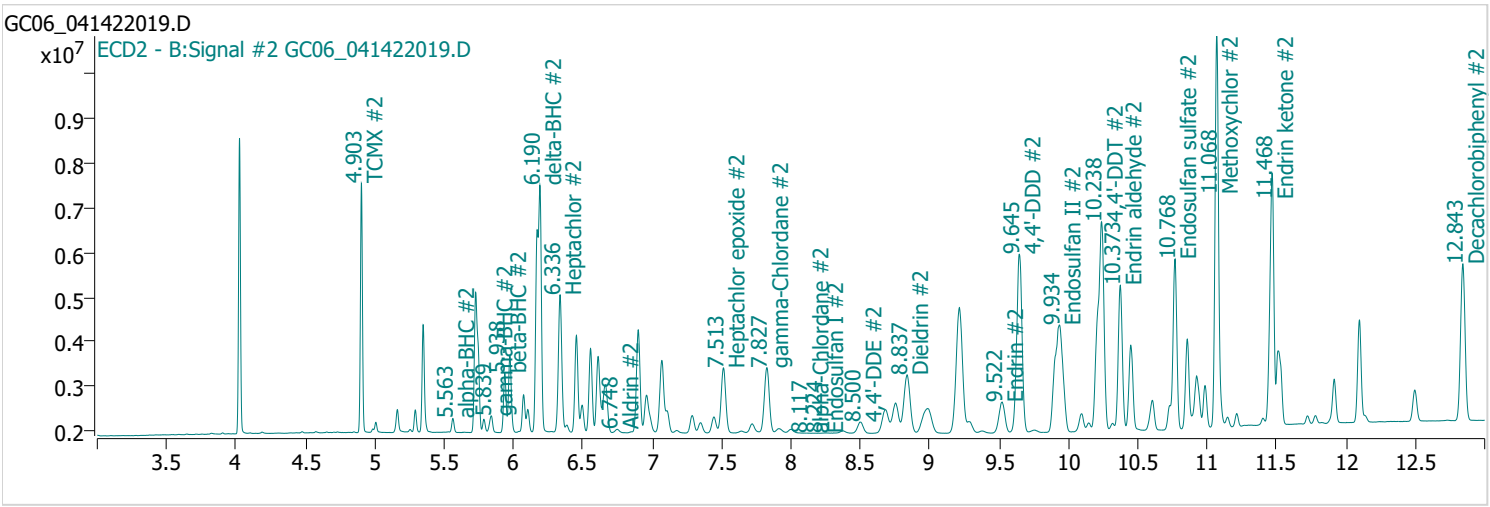
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	21.1966	12.84	0.00	8049404			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422019.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:51:33 PM
Sample Name	ICAL, S16585, 4	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 115	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 8:05:48 PM



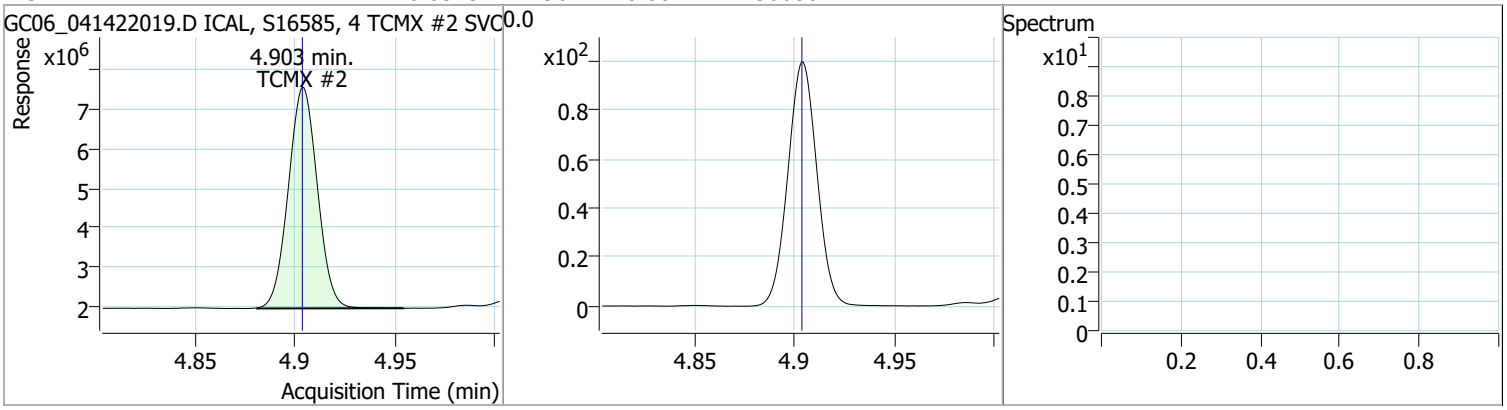


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.252	4.025	1741966	6286733	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.012	4.903	1580217	5660824	19.748	20.854	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	98.74%	104.27%	
S Decachlorobiphenyl	12.364	12.843	2820629	8017653	23.025	22.327	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	115.13%	111.64%	
Target Compounds							
T alpha-BHC	----	5.563 f	0	343211	N.D.	1.427 #	ng/ml
T gamma-BHC	5.895	5.839	657278	532329	8.878	2.180 #	ng/ml
T beta-BHC	5.895	5.938	655012	1711470	17.265	11.915 #	ng/ml
T delta-BHC	6.152	6.190	2131988	13330961	21.086	27.383 #	ng/ml
T Heptachlor	6.358	6.336	849316	5357740	10.881	16.005 #	ng/ml
T Aldrin	6.744	6.748	1231822	147229	14.681	0.576 #	ng/ml
T Heptachlor epoxide	7.597	7.513	1044332	3071162	12.958	11.243	ng/ml
T gamma-Chlordane	7.769	7.827	1352	3546430	0.022	11.949 #	ng/ml
T alpha-Chlordane	8.046	8.117	460118	759	7.073	0.004 #	ng/ml

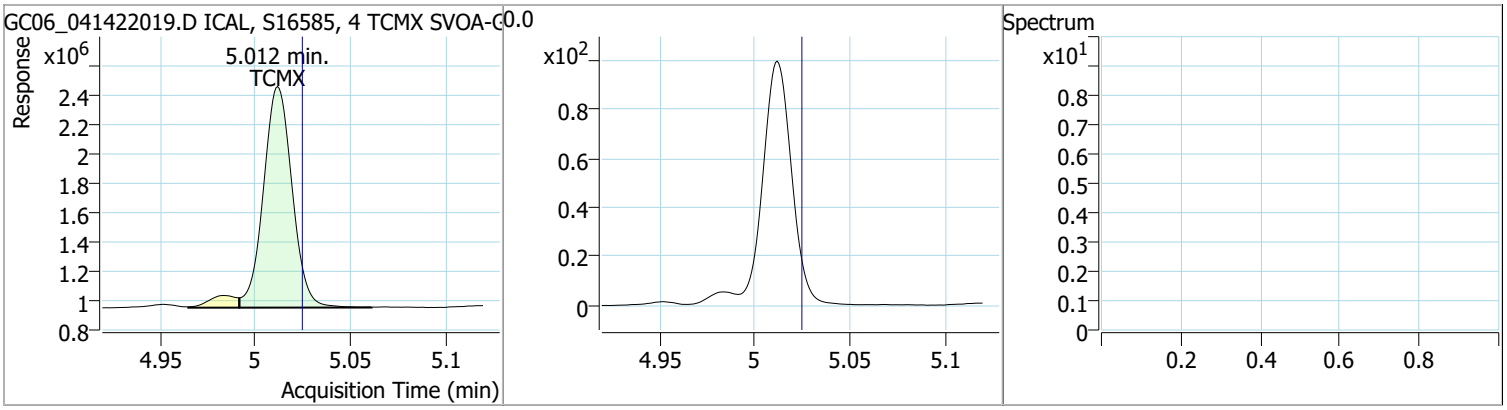
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.275	8.224	543392	2878	8.821	0.014 #	ng/ml
T 4,4'-DDE	8.046	8.500 f	708218	696359	11.132	3.563 #	ng/ml
T Dieldrin	8.619	8.837	2625480	2765724	30.940	11.722 #	ng/ml
T Endrin	9.218	9.522	3891311	2017240	43.217	9.696 #	ng/ml
T 4,4'-DDD	9.309	9.645 f	404913	9764947	8.727	46.238 #	ng/ml
T Endosulfan II	9.666	9.934 f	108827	9923288	1.831	34.228 #	ng/ml
T 4,4'-DDT	9.763	10.238	4068912	14395011	58.202	43.868	ng/ml
T Endrin aldehyde	10.333	10.373	1982540	6406259	33.760	30.834	ng/ml
T Endosulfan sulfate	10.856	10.768	56701	8033382	1.088	33.210 #	ng/ml
T Methoxychlor	10.585	11.068 f	250002	15855033	7.826	116.391 #	ng/ml
T Endrin ketone	11.200	11.468 f	1061145	10465973	14.492	33.494 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

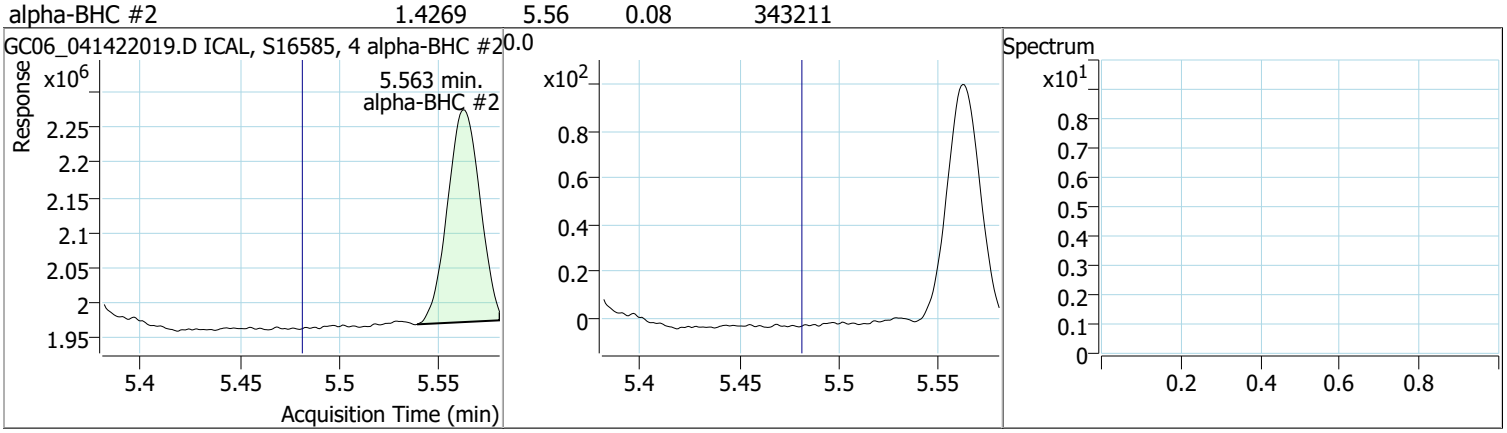
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	20.8545	4.90	0.00	5660824			



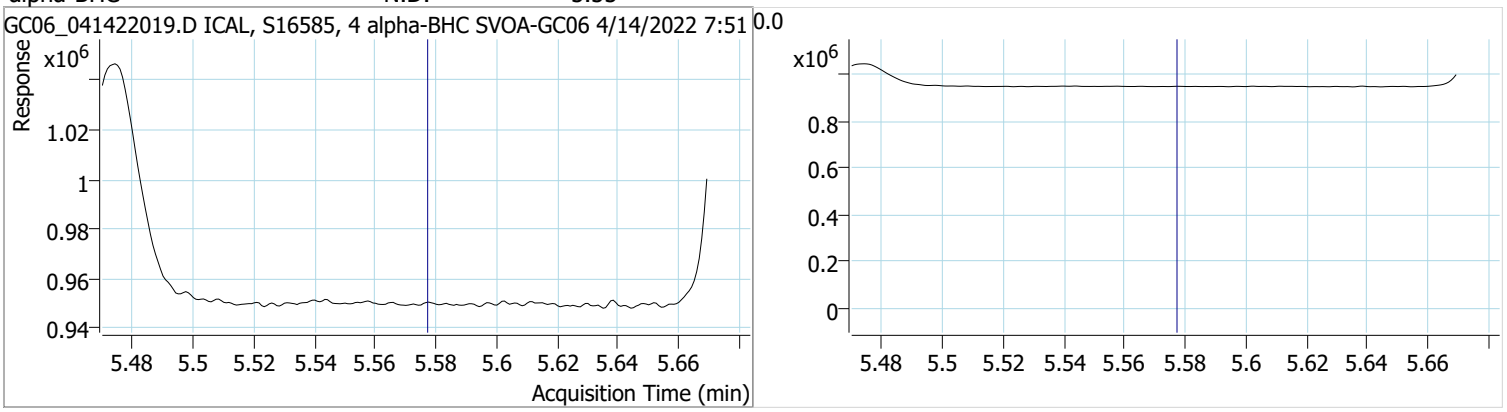
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	19.7478	5.01	0.01	1580217			



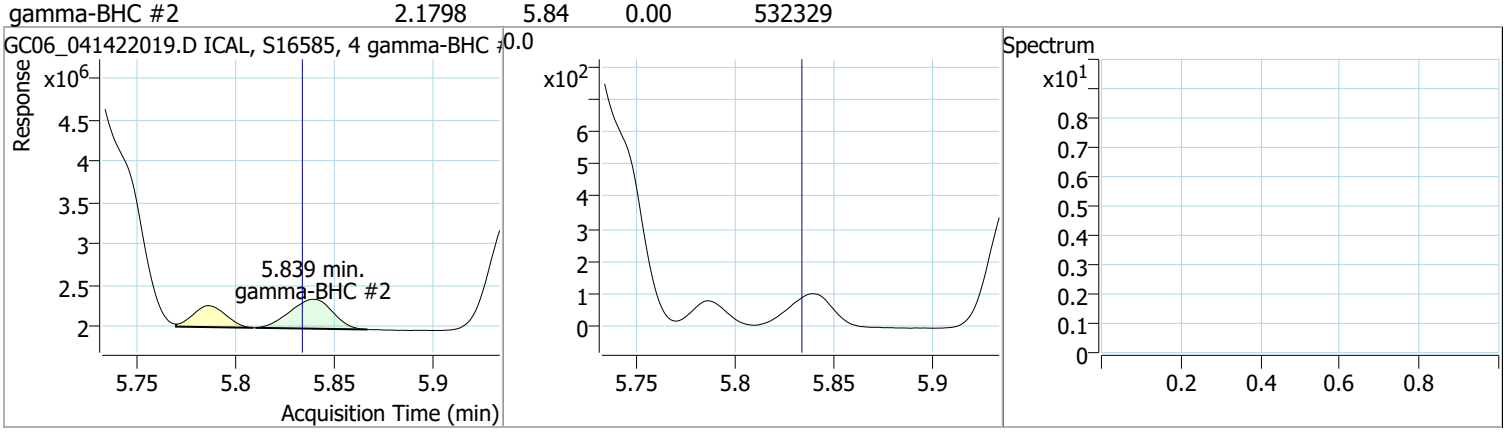
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	1.4269	5.56	0.08	343211			



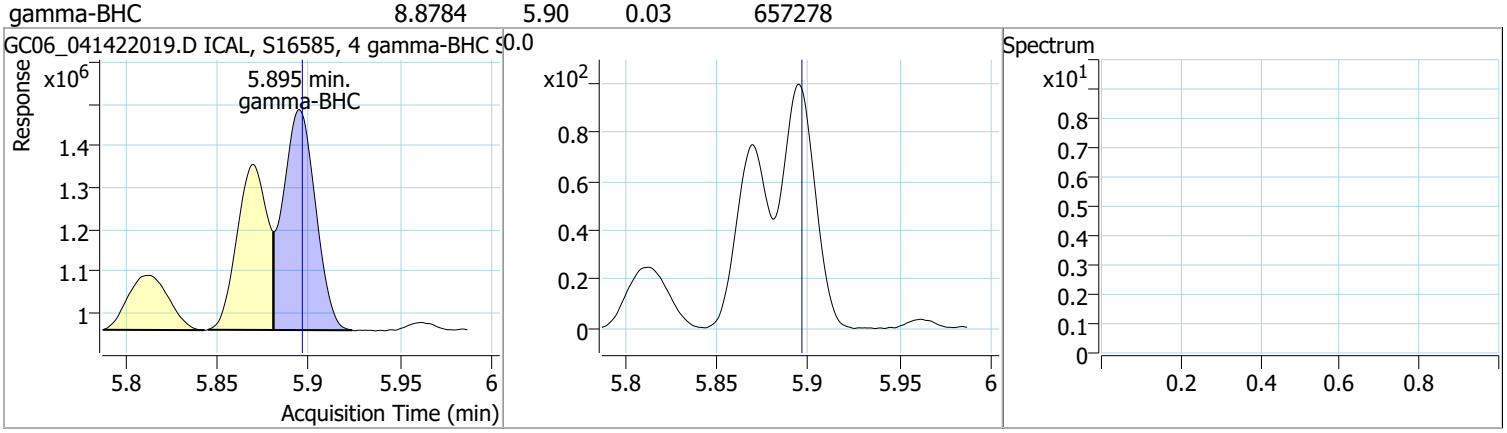
Compound	Conc.		Exp Ratio
alpha-BHC	N.D.	5.55	



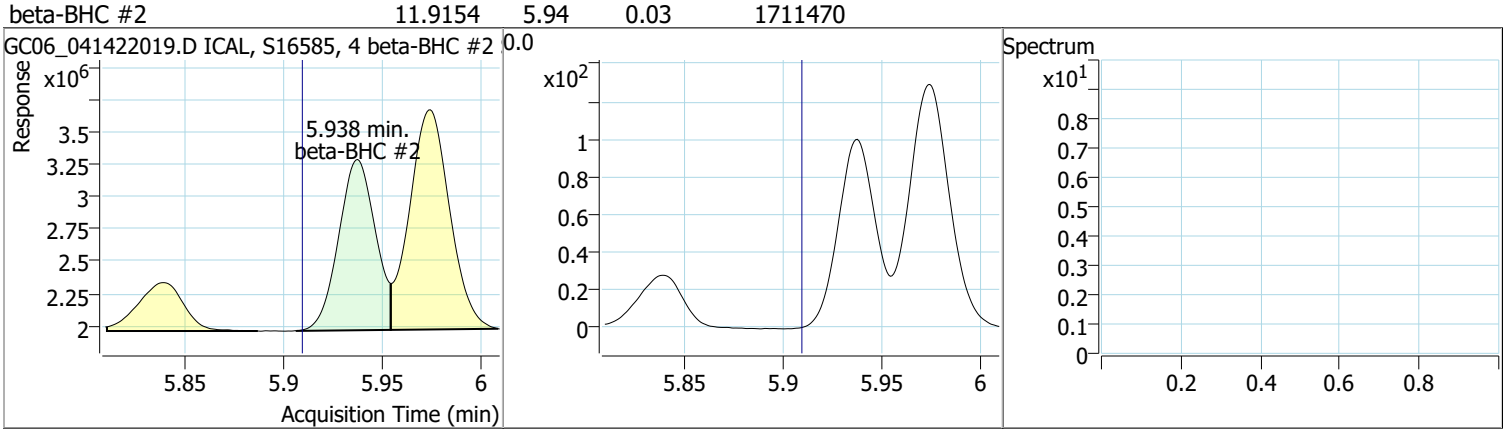
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	2.1798	5.84	0.00	532329			



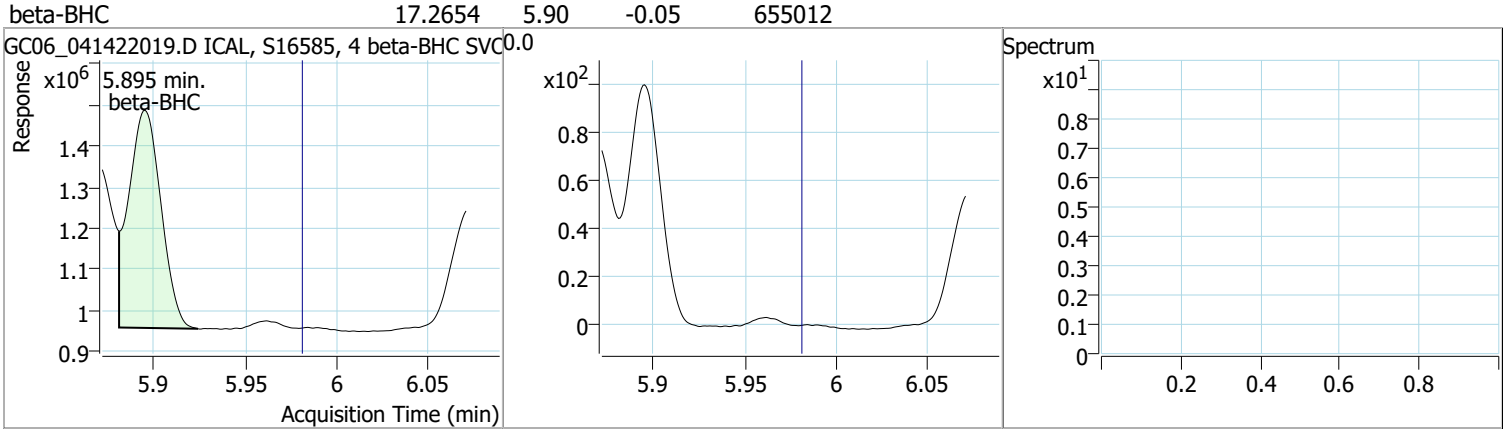
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	8.8784	5.90	0.03	657278			



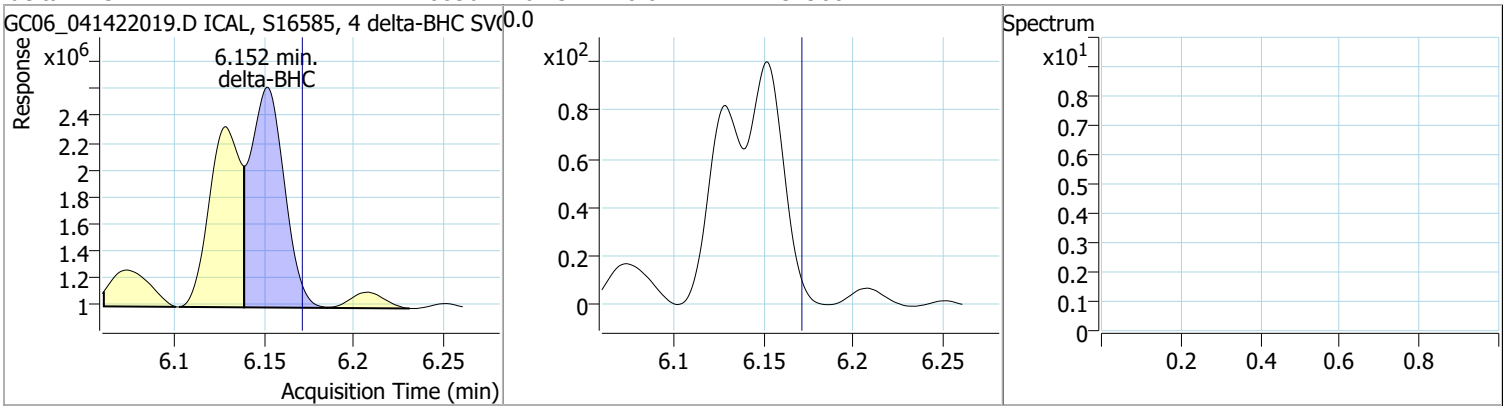
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	11.9154	5.94	0.03	1711470			



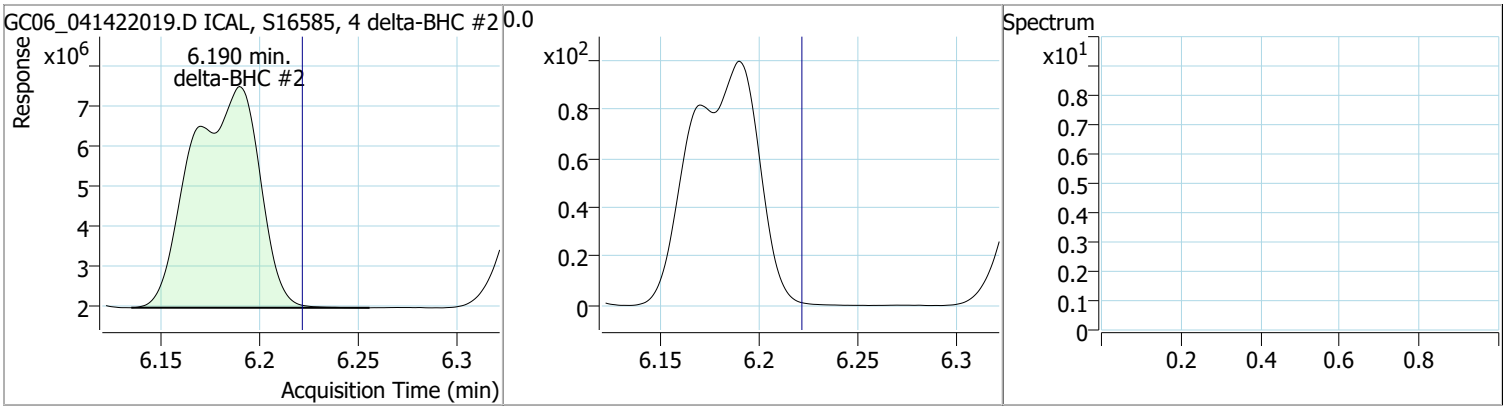
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	17.2654	5.90	-0.05	655012			



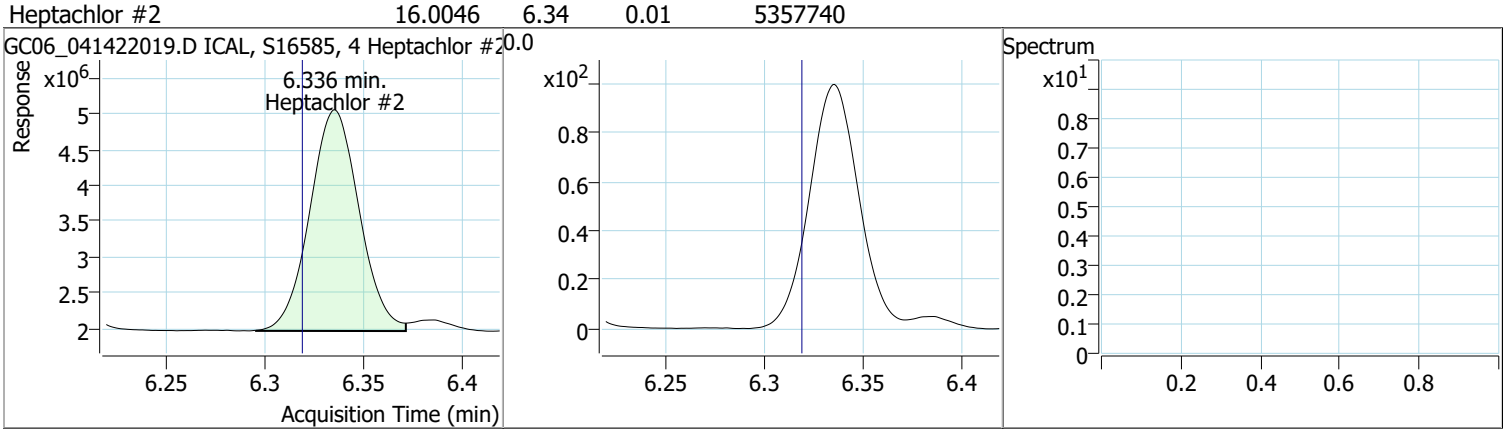
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	21.0856	6.15	0.01	2131988			



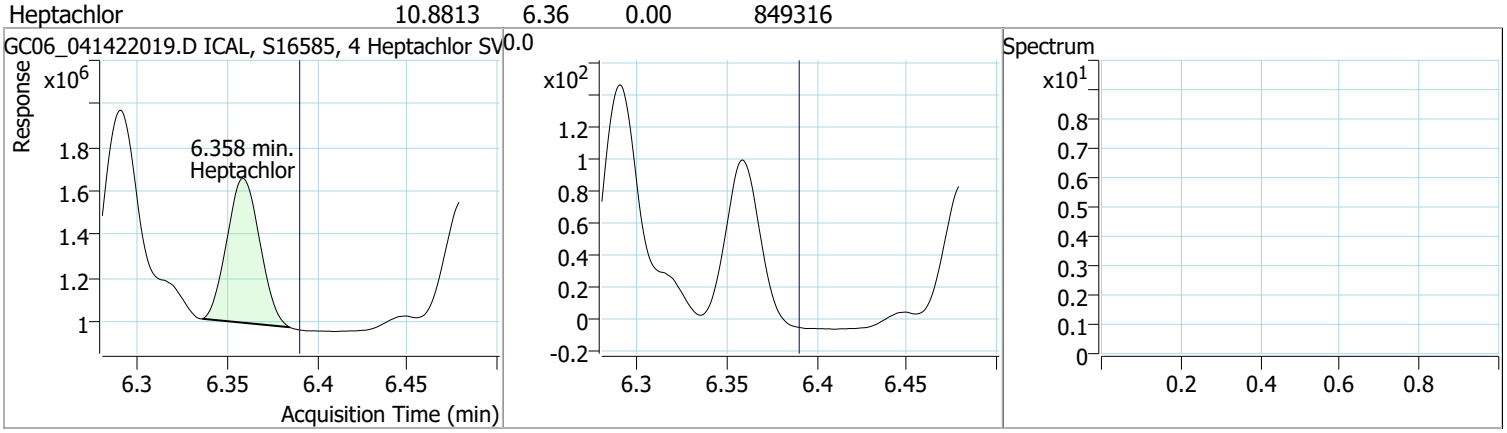
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	27.3833	6.19	-0.03	13330961			



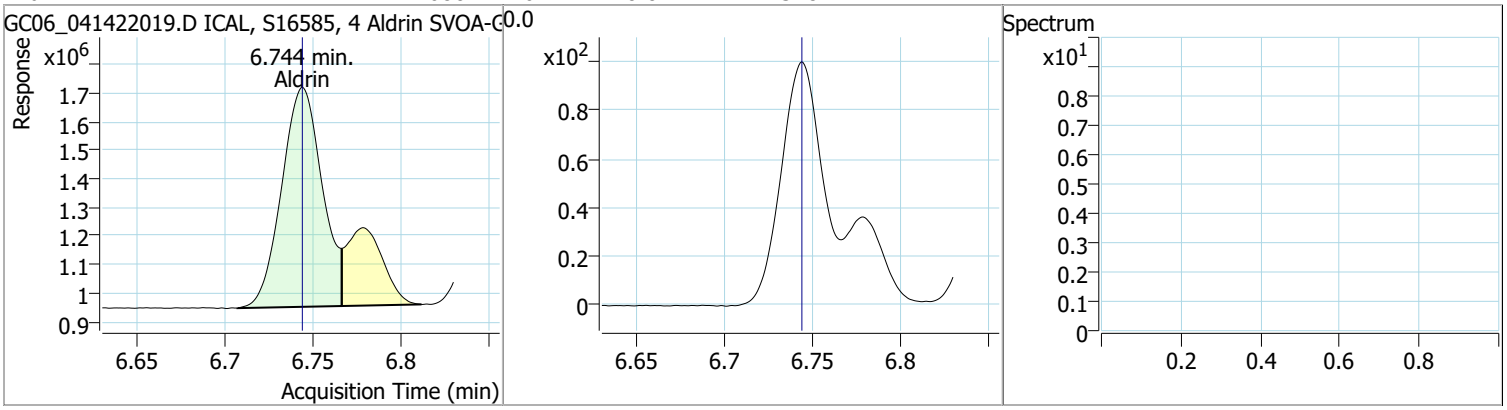
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	16.0046	6.34	0.01	5357740			



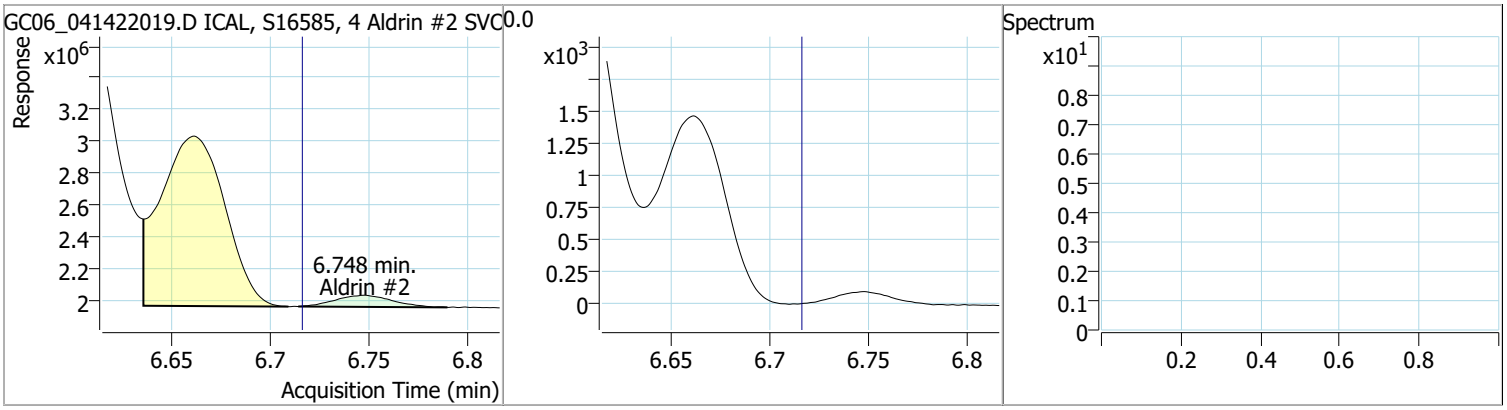
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	10.8813	6.36	0.00	849316			



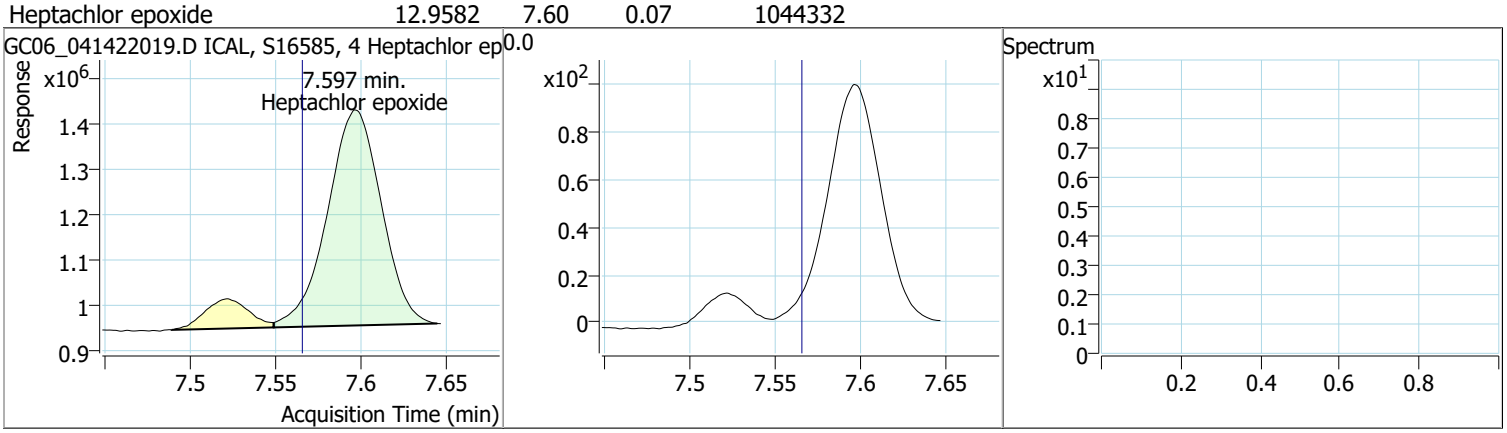
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	14.6807	6.74	0.04	1231822			



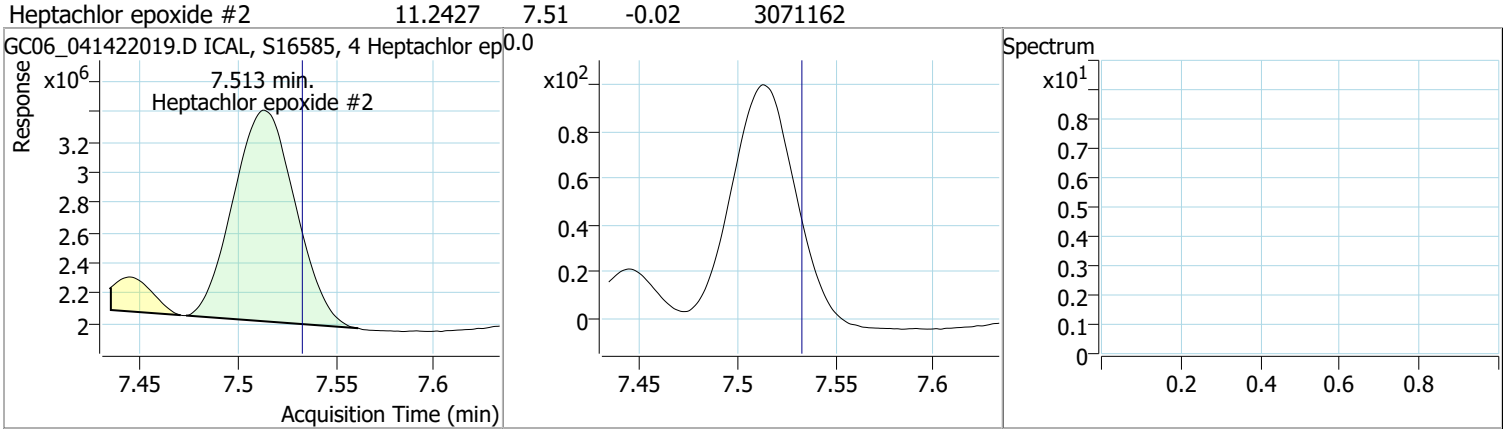
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	0.5761	6.75	0.03	147229			



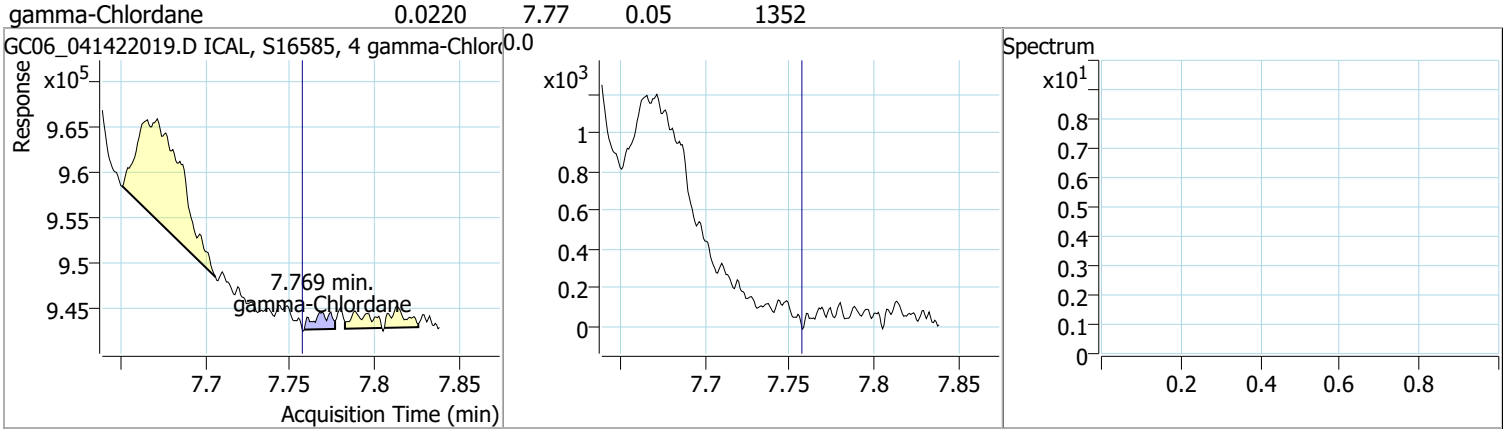
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	12.9582	7.60	0.07	1044332			



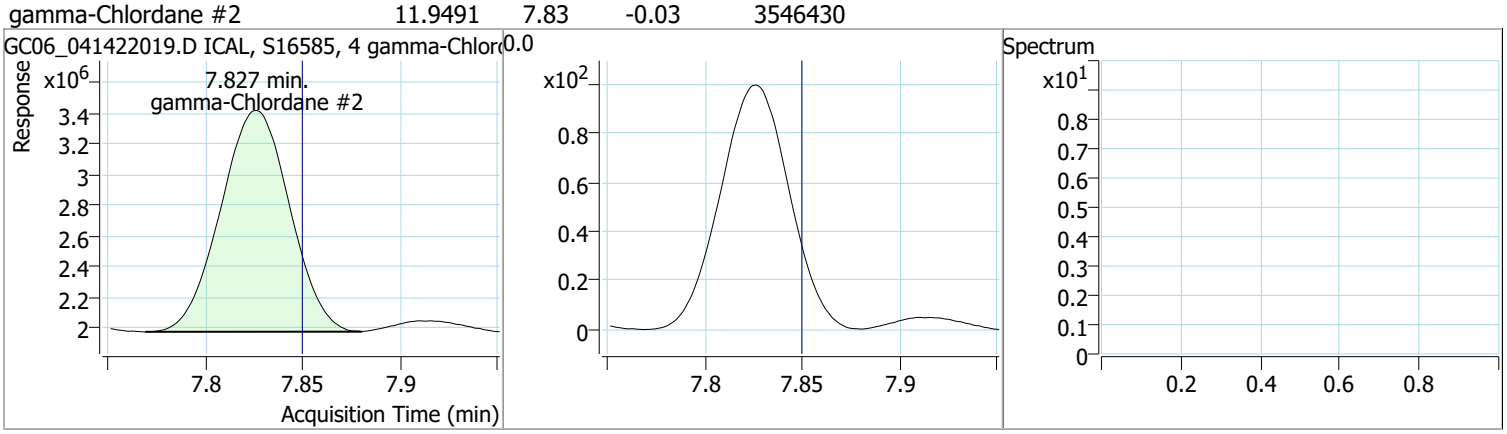
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	11.2427	7.51	-0.02	3071162			



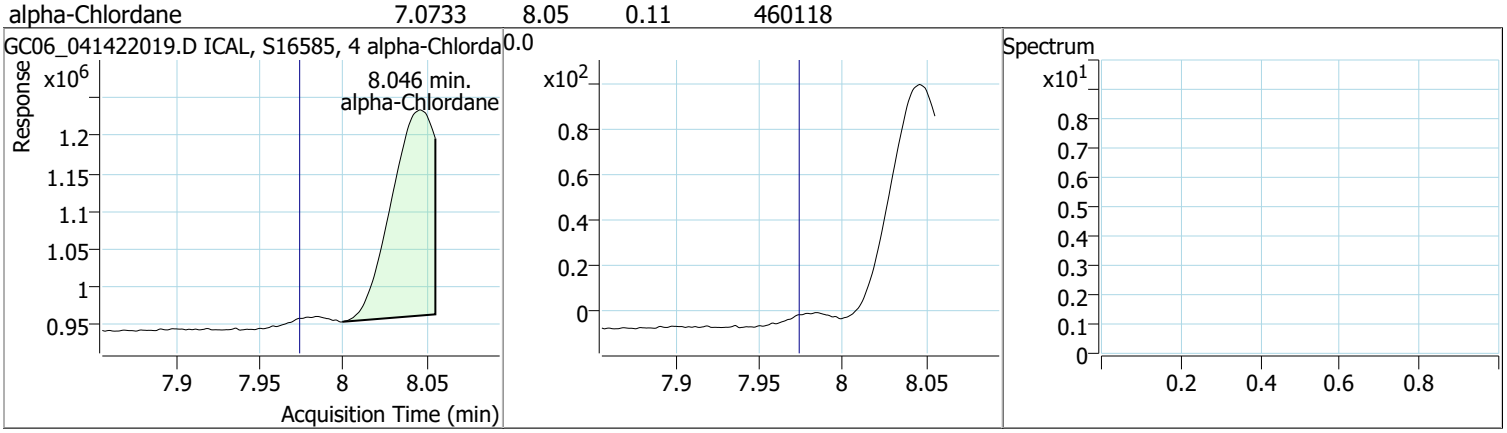
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0220	7.77	0.05	1352			



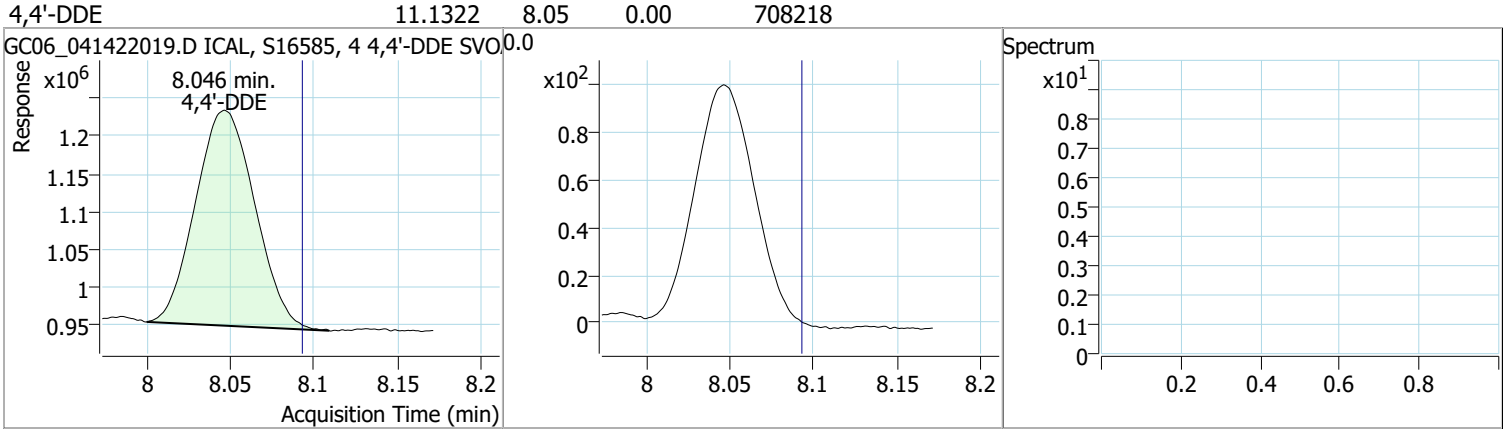
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	11.9491	7.83	-0.03	3546430			



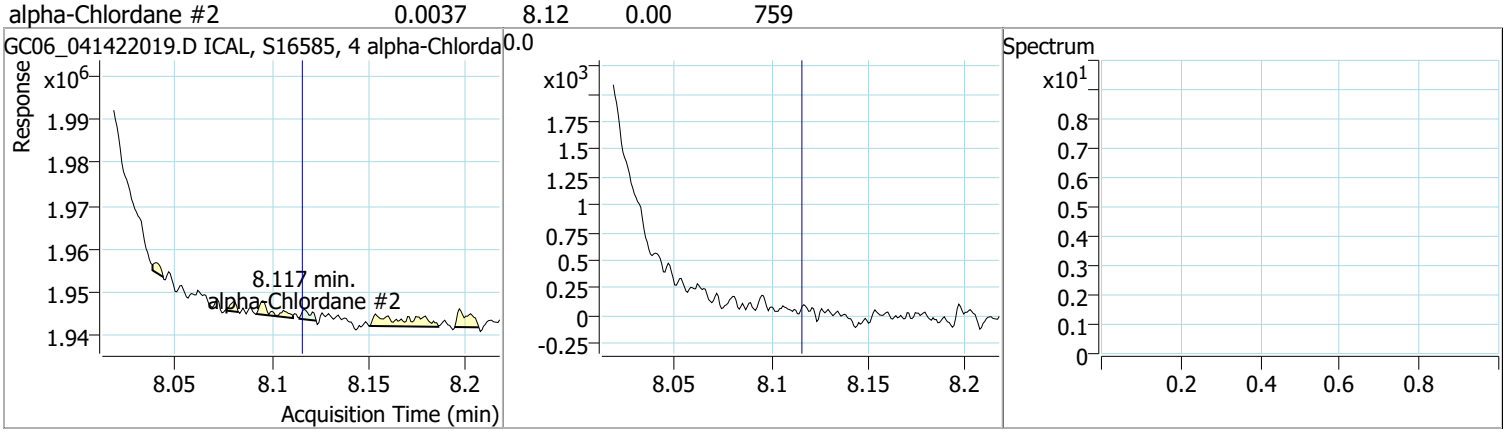
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	7.0733	8.05	0.11	460118			



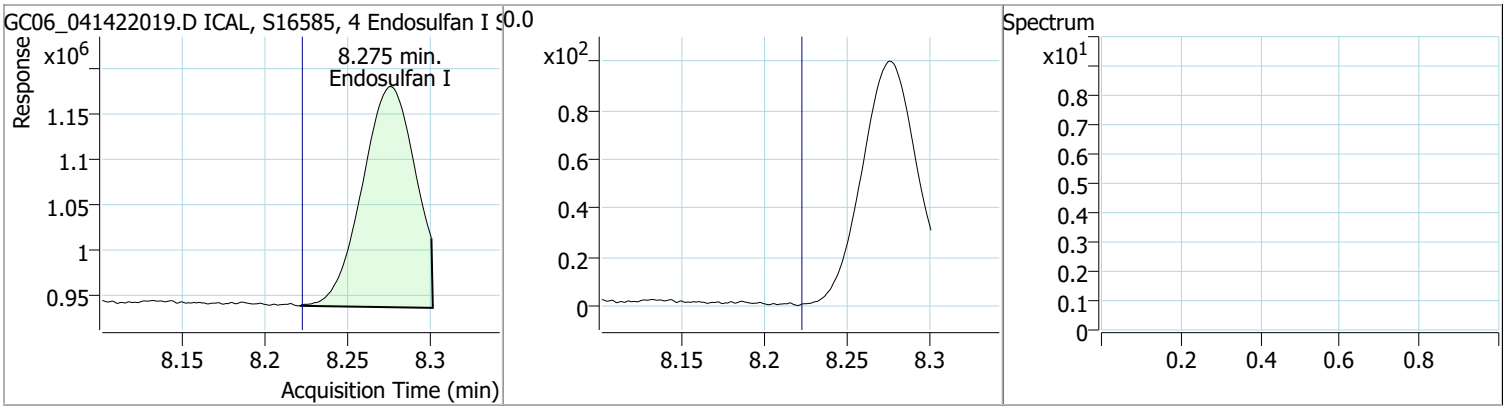
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	11.1322	8.05	0.00	708218			



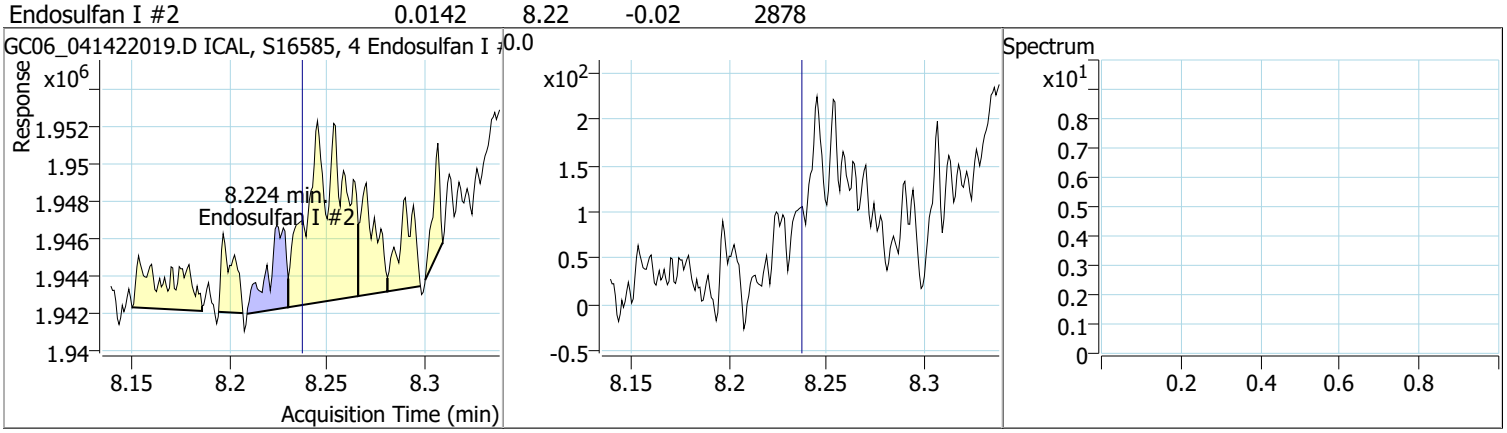
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0037	8.12	0.00	759			



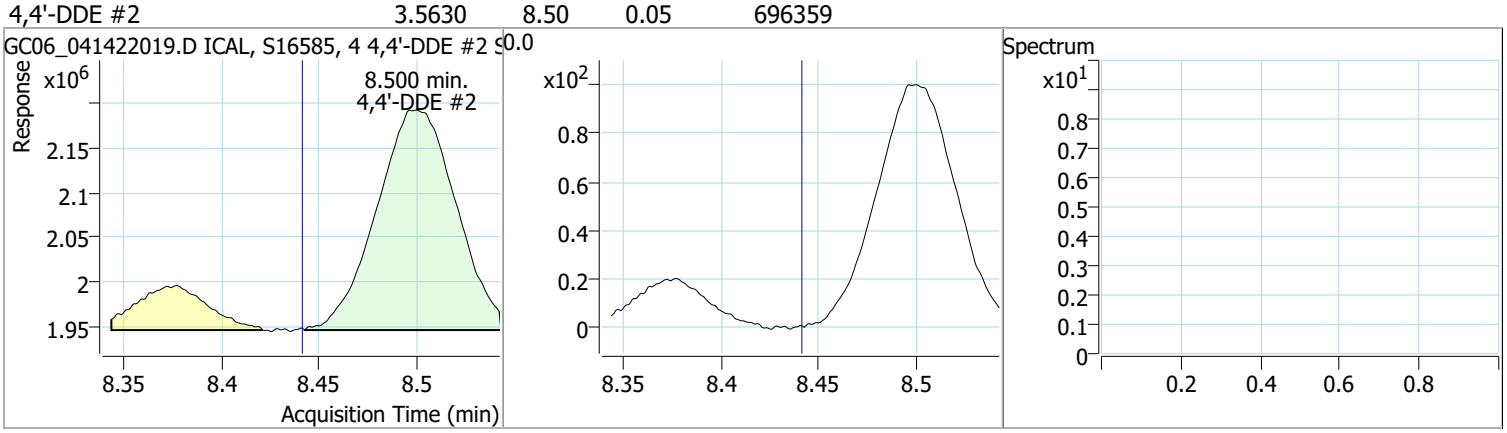
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	8.8210	8.28	0.10	543392			



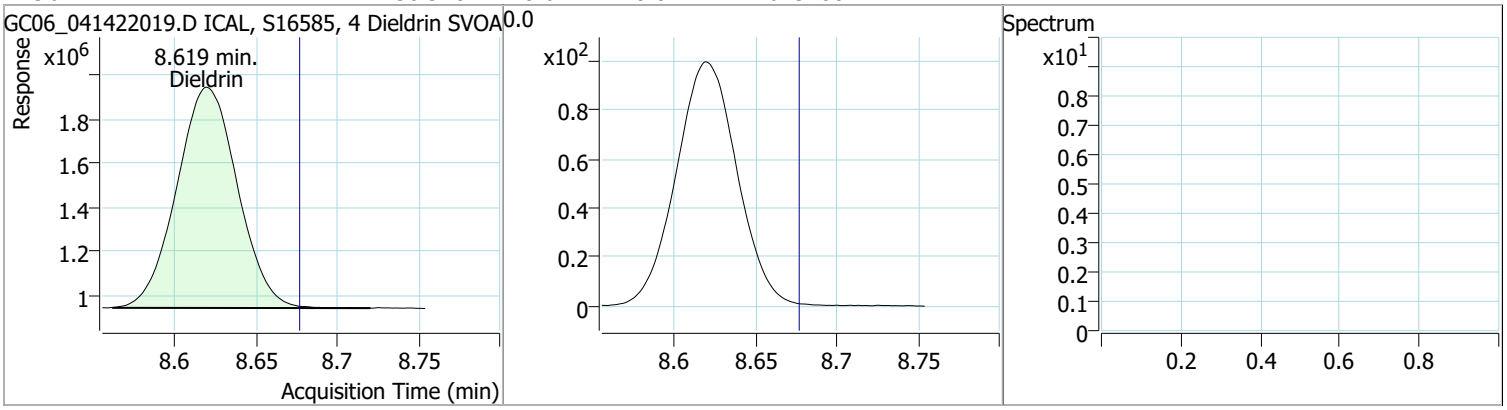
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.0142	8.22	-0.02	2878			



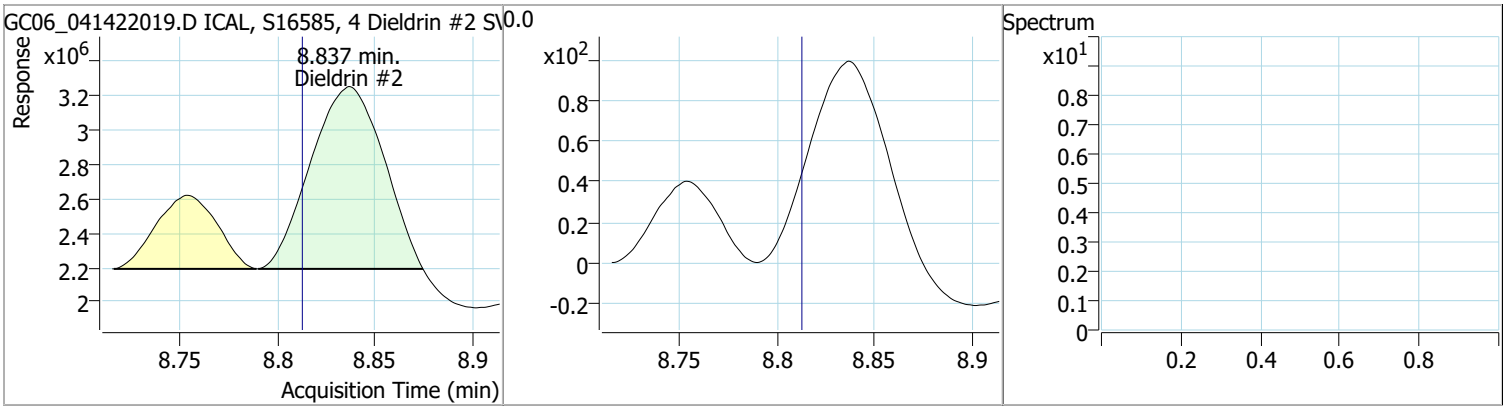
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	3.5630	8.50	0.05	696359			



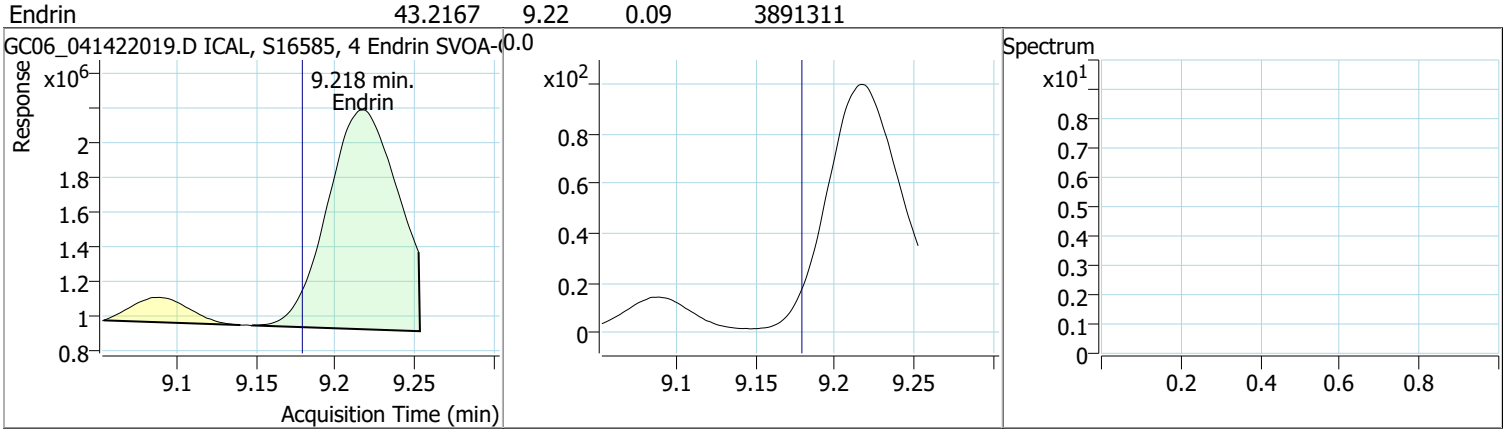
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	30.9404	8.62	-0.01	2625480			



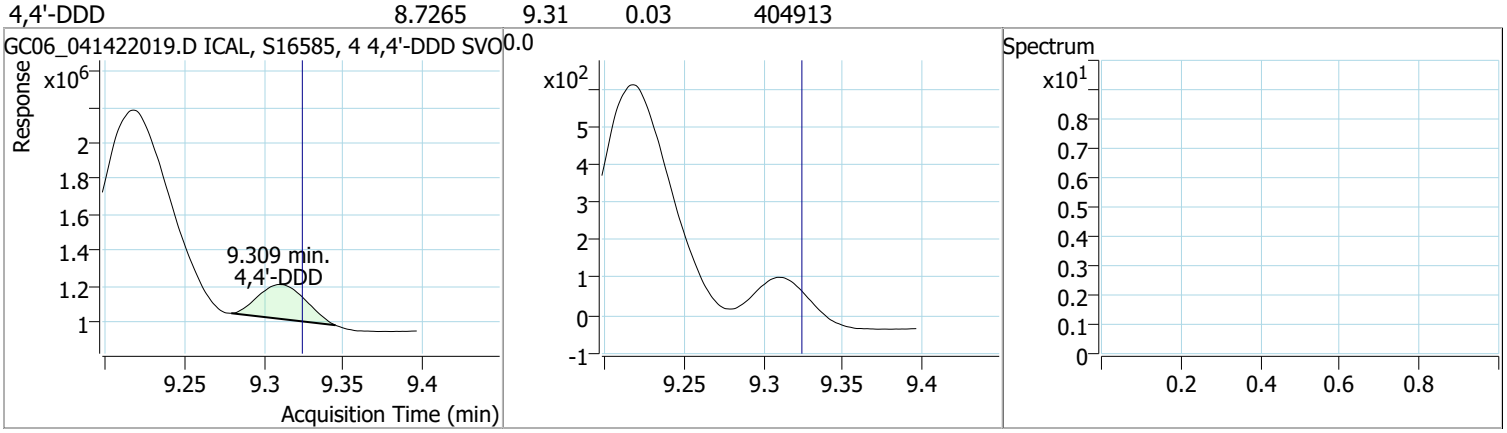
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	11.7221	8.84	0.02	2765724			



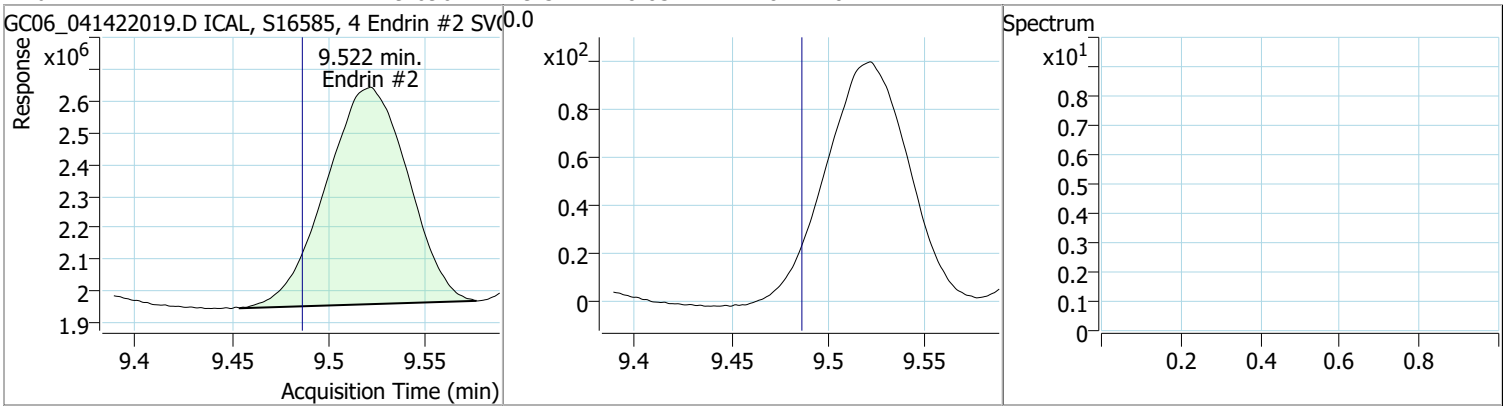
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	43.2167	9.22	0.09	3891311			



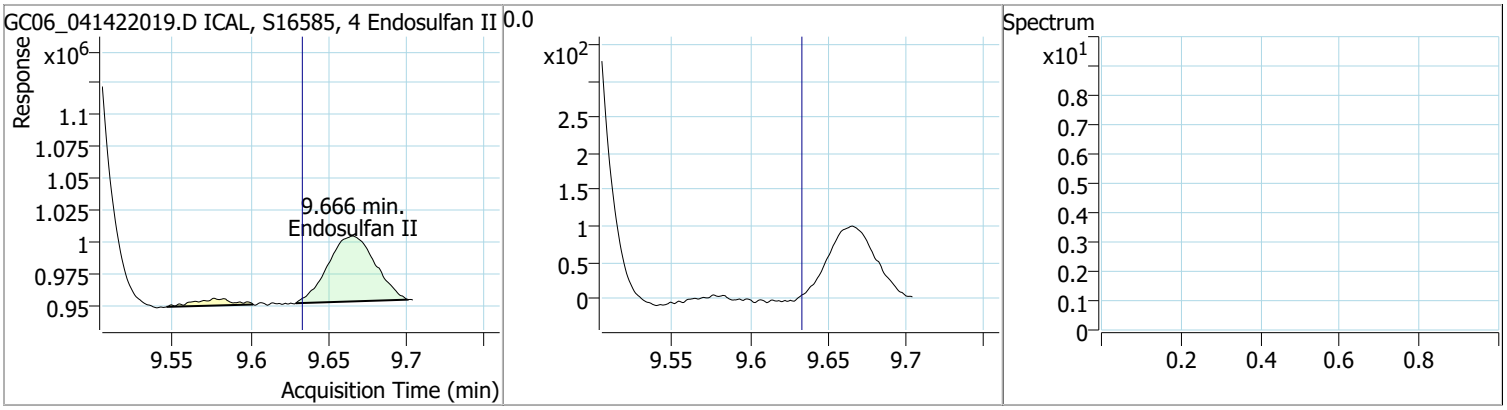
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	8.7265	9.31	0.03	404913			



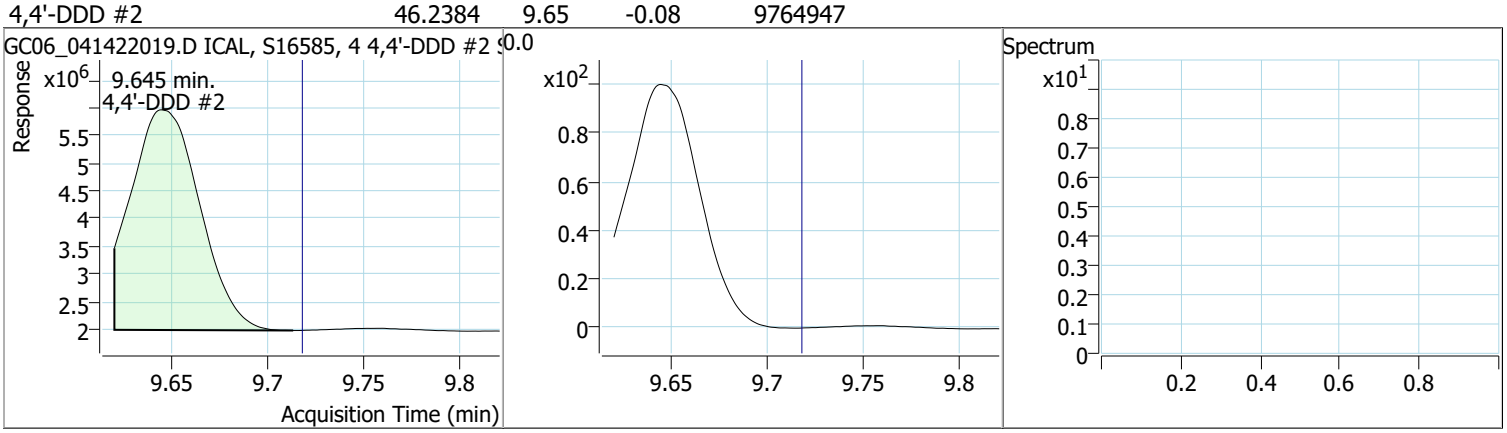
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	9.6962	9.52	0.03	2017240			



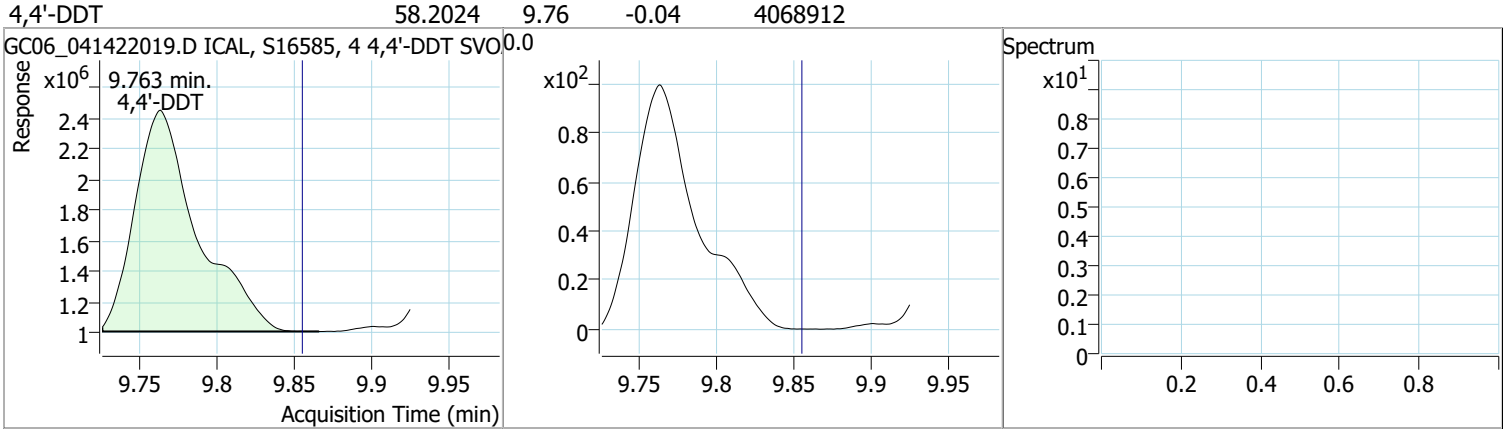
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	1.8314	9.67	0.08	108827			



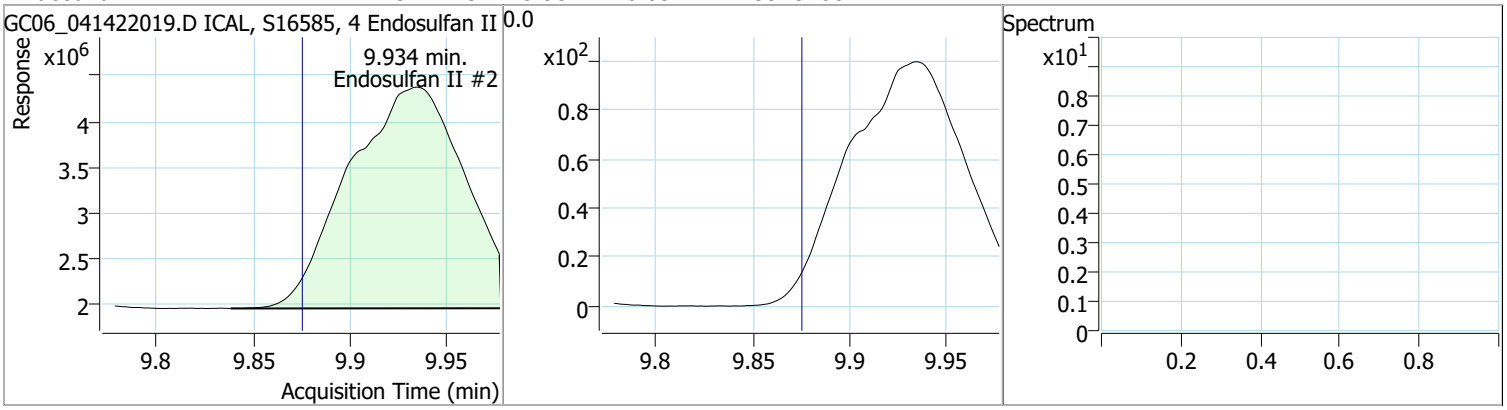
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	46.2384	9.65	-0.08	9764947			



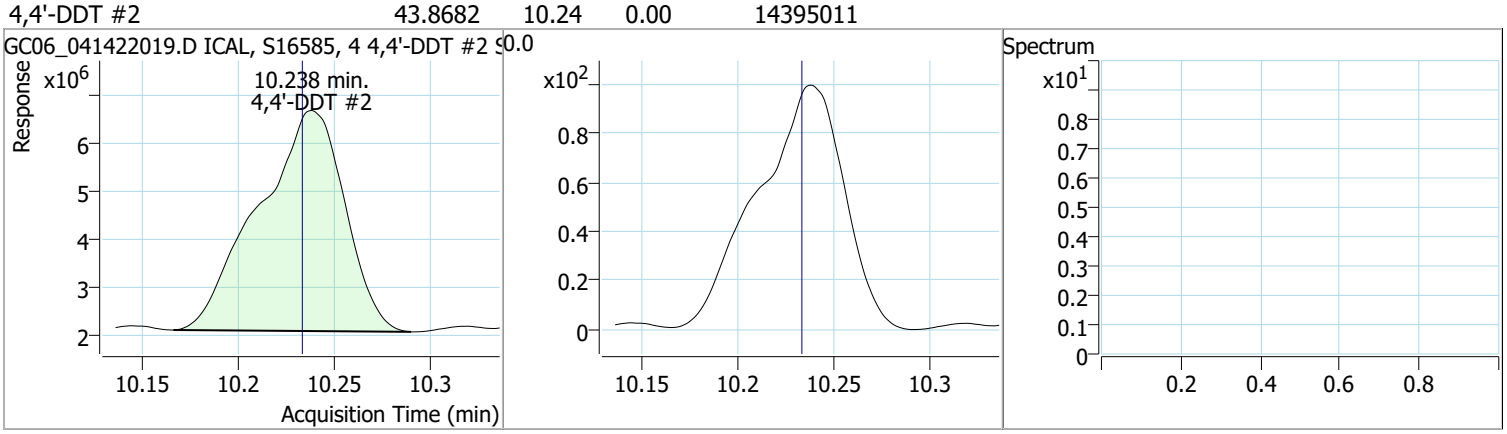
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	58.2024	9.76	-0.04	4068912			



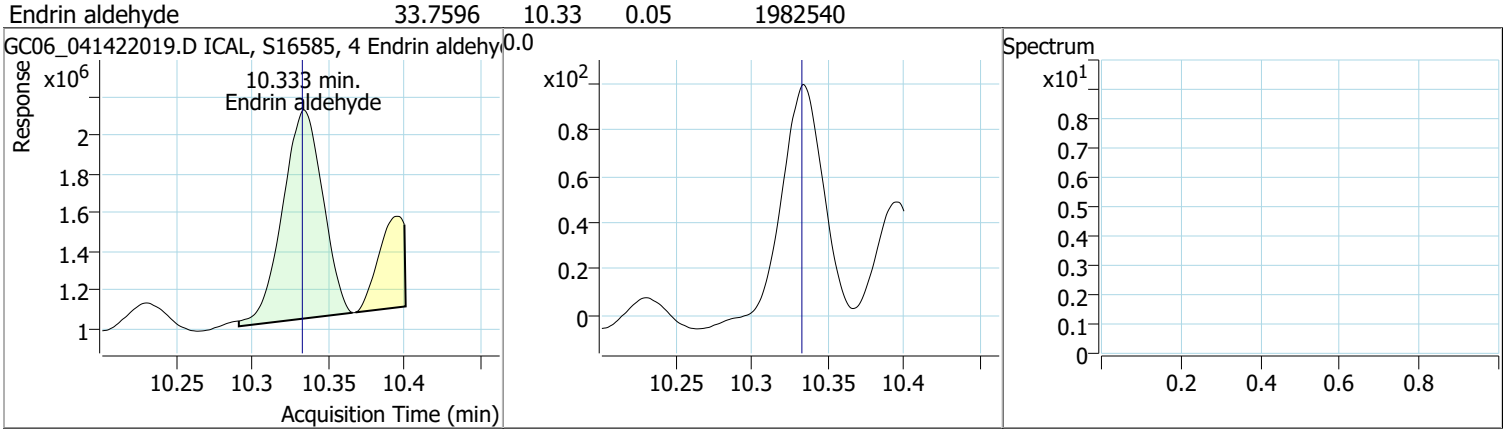
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	34.2279	9.93	0.05	9923288			



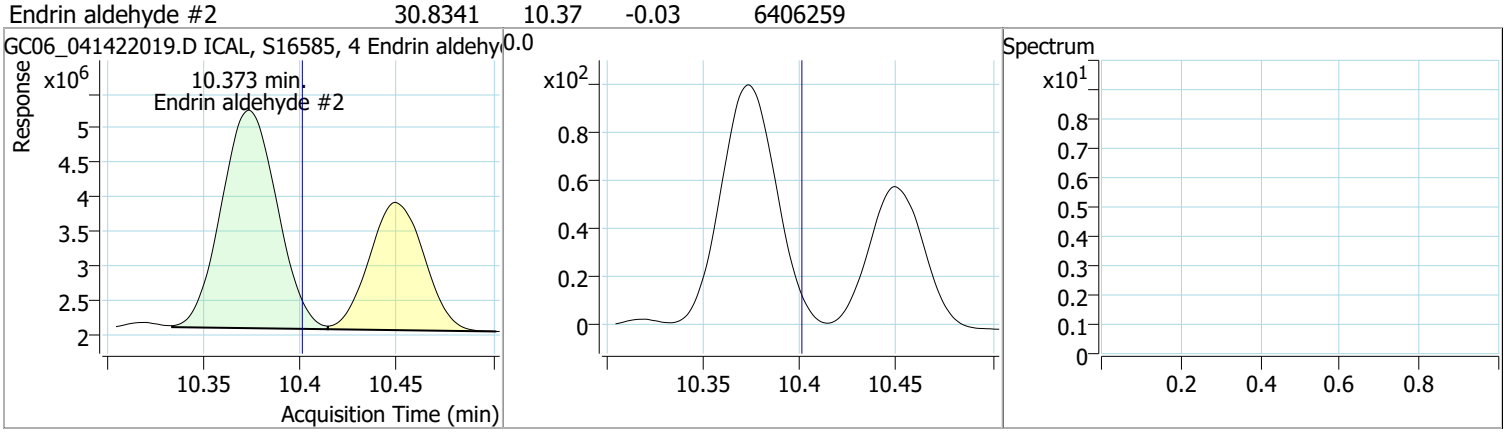
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	43.8682	10.24	0.00	14395011			



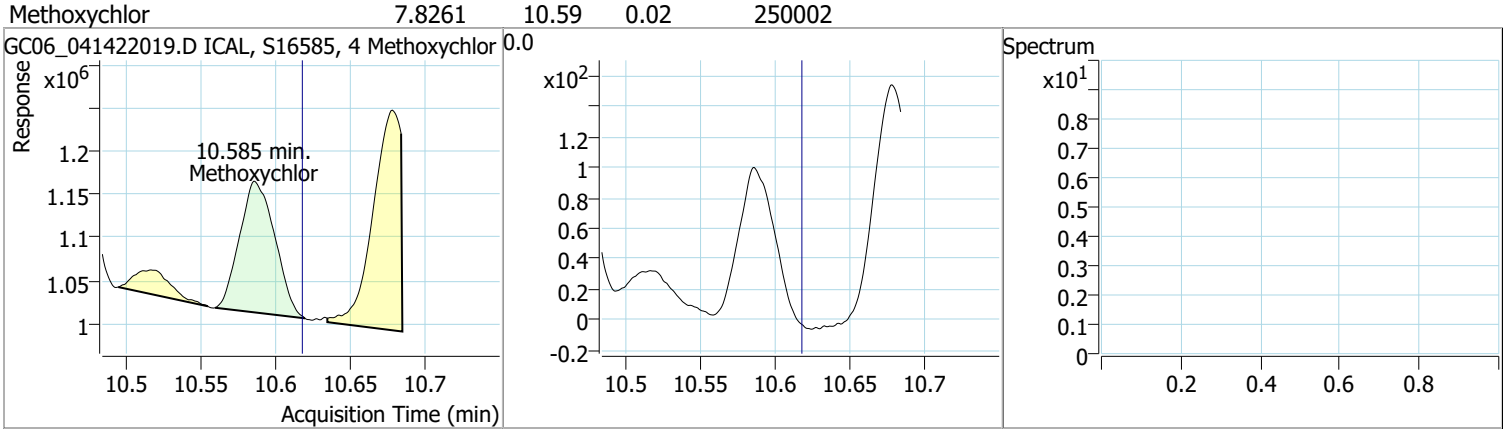
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	33.7596	10.33	0.05	1982540			



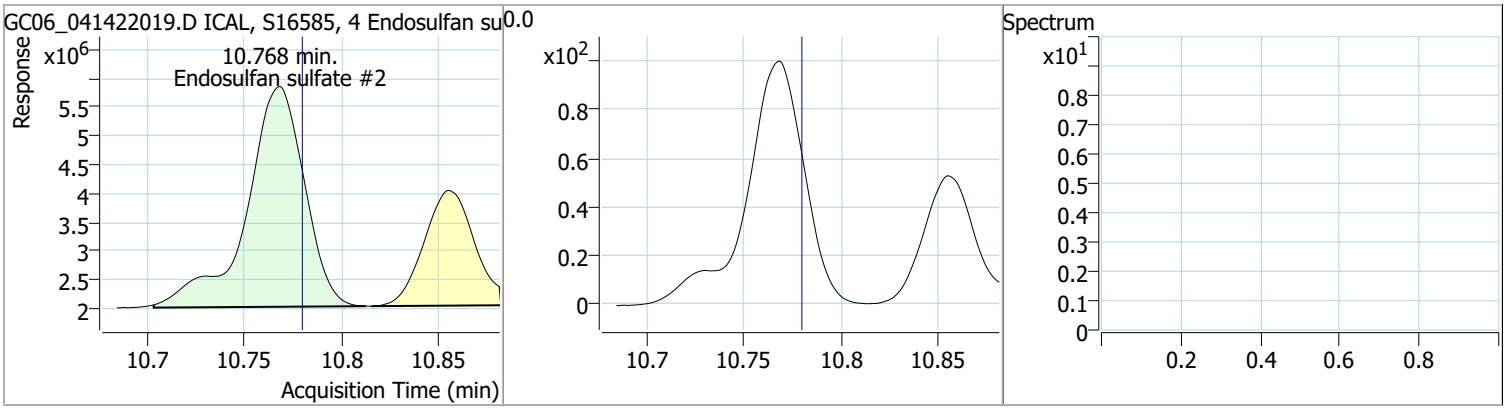
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	30.8341	10.37	-0.03	6406259			



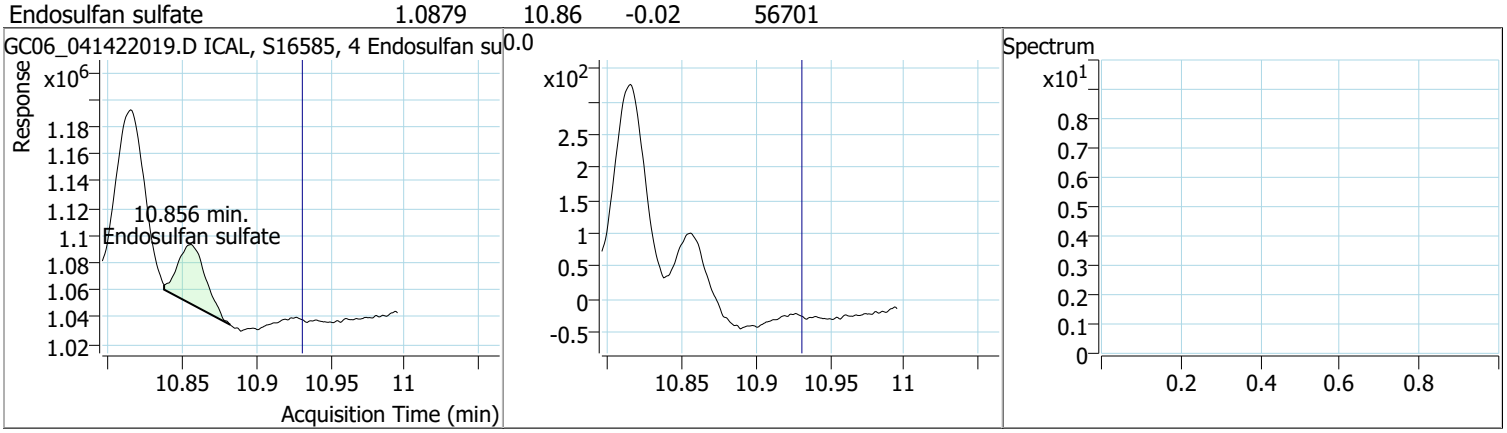
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	7.8261	10.59	0.02	250002		



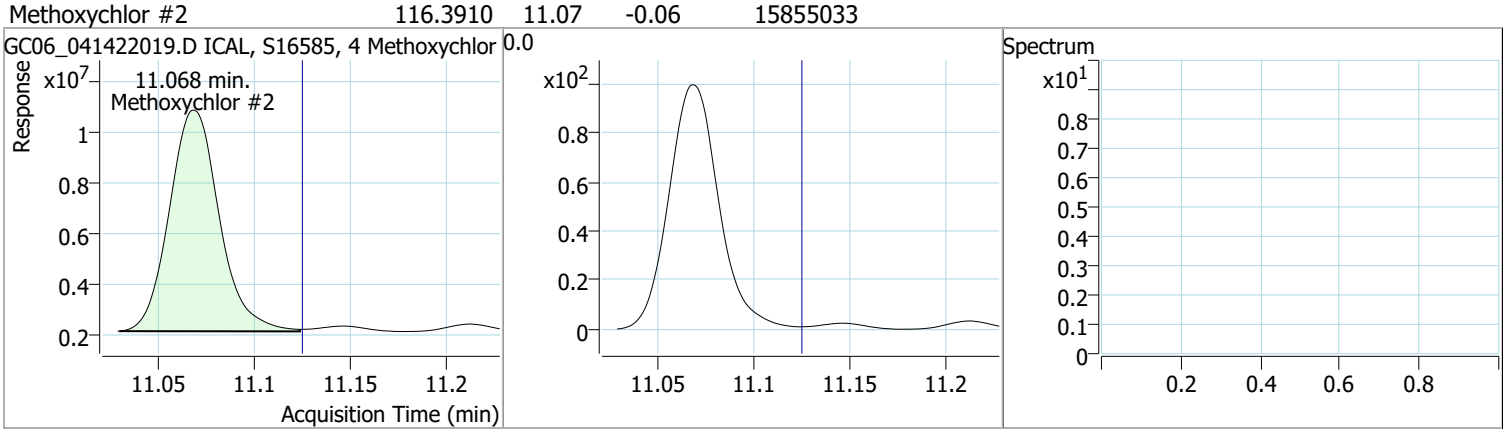
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	33.2100	10.77	-0.02	8033382		



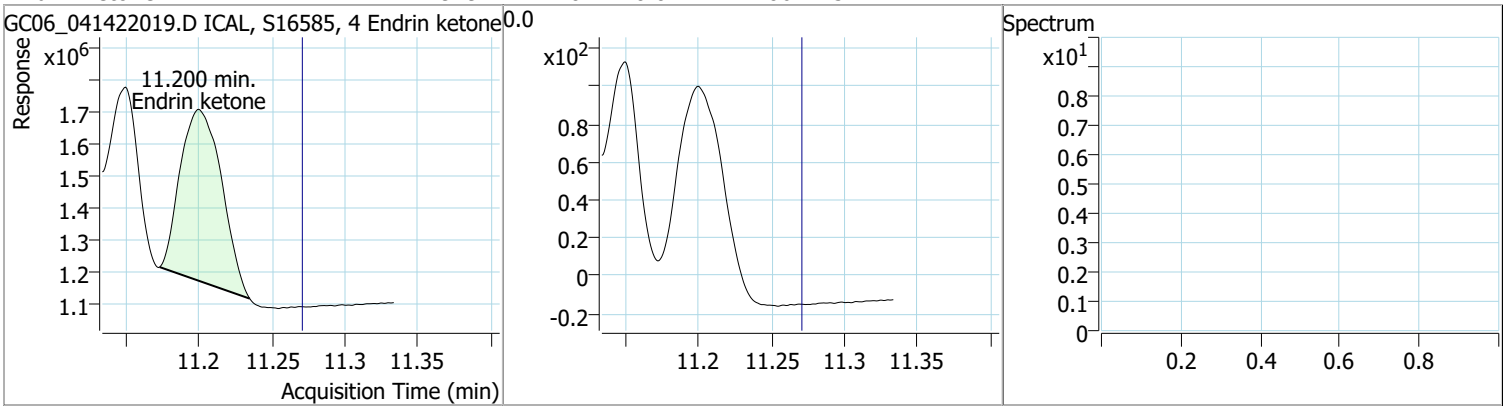
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	1.0879	10.86	-0.02	56701		



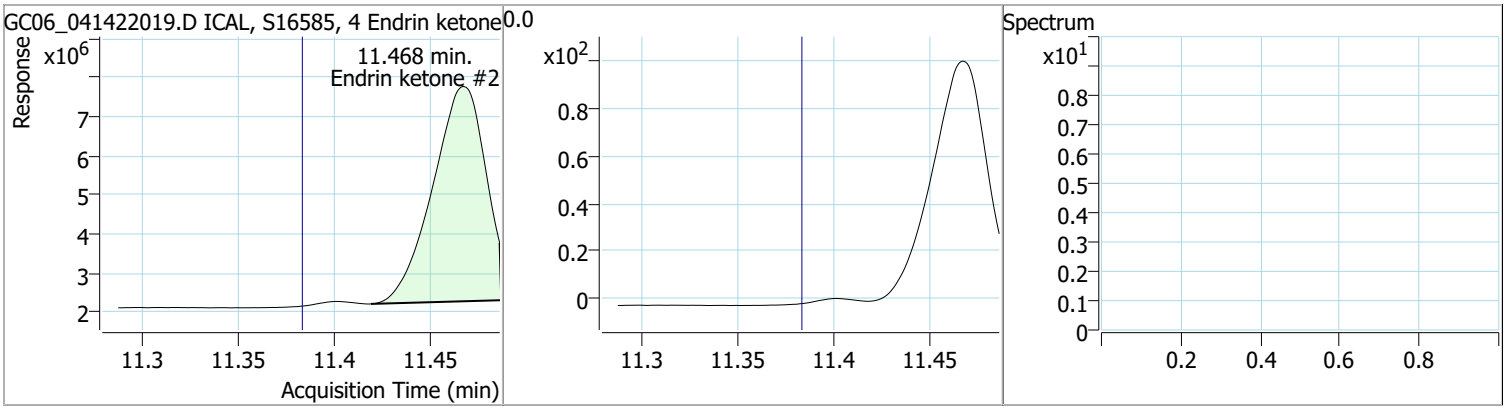
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	116.3910	11.07	-0.06	15855033		



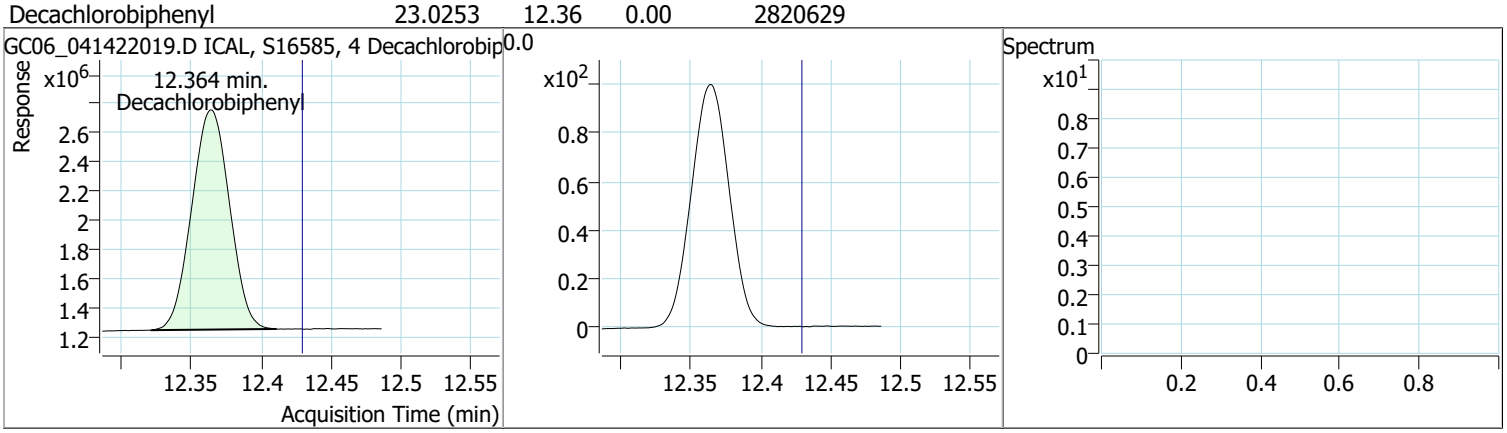
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	14.4919	11.20	-0.01	1061145			



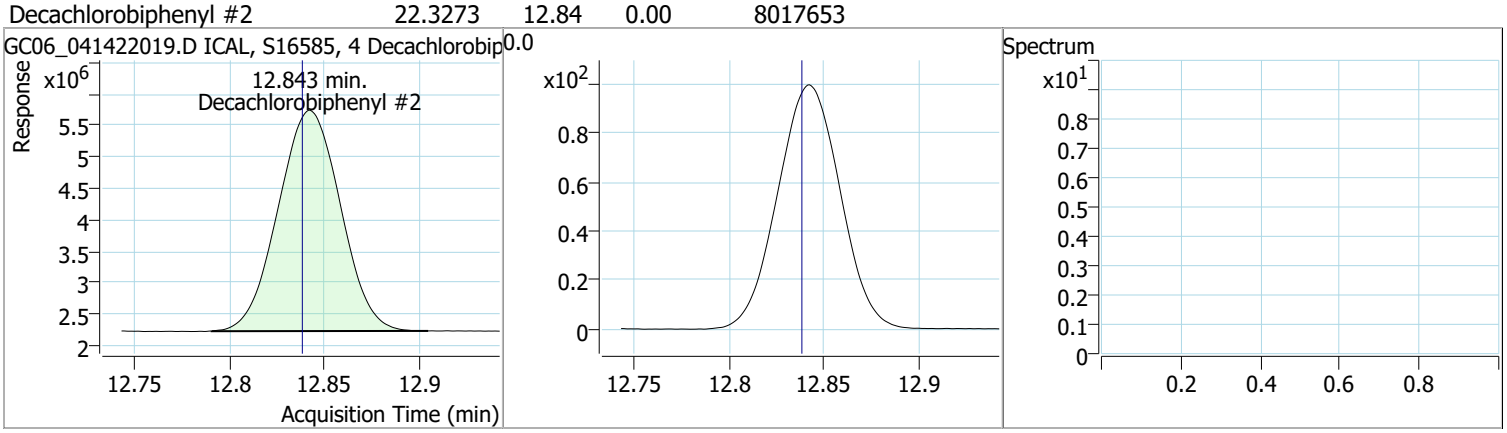
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	33.4941	11.47	0.08	10465973			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	23.0253	12.36	0.00	2820629			

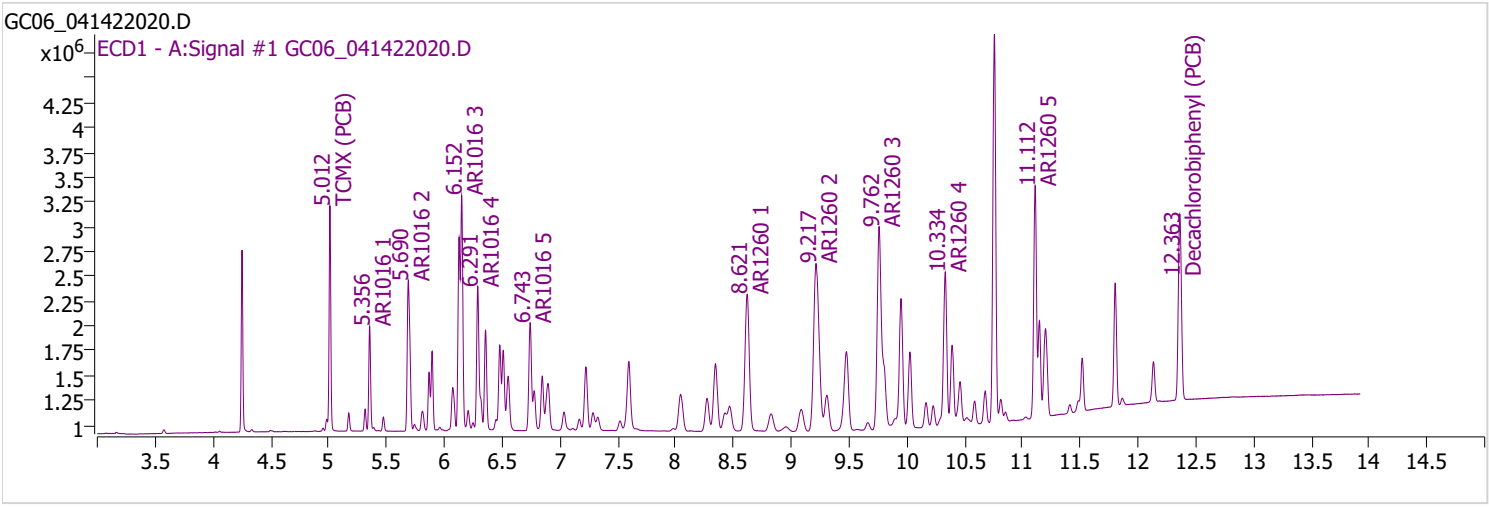


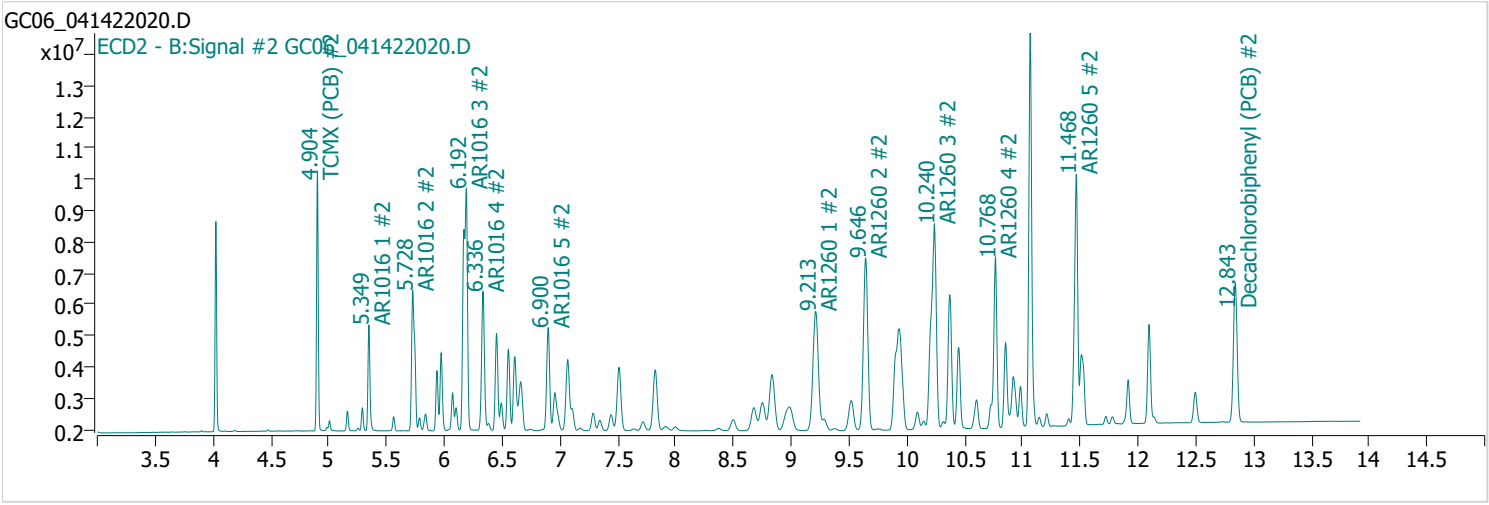
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	22.3273	12.84	0.00	8017653			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422020.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:09:10 PM
Sample Name	ICAL, S16585, 2.667	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 116	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



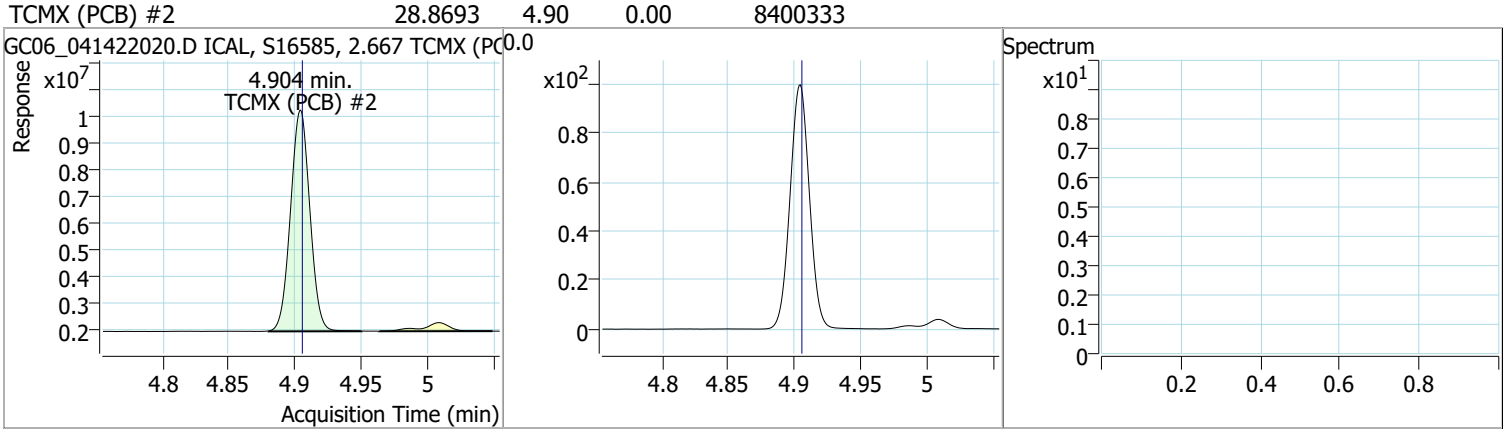


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.252	4.026	1763666	6352752	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.012	4.904	2330516	8400333	27.472	28.869	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	137.36%	144.35%	
S Decachlorobiphenyl (PCB)	12.363	12.843	3562364	10139248	26.565	26.450	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	132.83%	132.25%	
Target Compounds							
T AR1016 1	5.356	5.349	1182989	4107171	685.721	690.379	ng/ml
T AR1016 2	5.690	5.728	2494294	8581795	664.021	695.108	ng/ml
T AR1016 3	6.152	6.192	3076509	11225999 m	695.909	689.478	ng/ml
T AR1016 4	6.291	6.336	2275238	7617947	687.738	689.645	ng/ml
T AR1016 5	6.743	6.900	1716697	6004720	670.817	695.298	ng/ml
T AR1260 1	8.621	9.213	3611803	12566233 m	650.738	653.566	ng/ml
T AR1260 2	9.217	9.646	5576918	14609281	652.363	657.589	ng/ml
T AR1260 3	9.762	10.240	5970444 m	19985948	671.815	662.146	ng/ml
T AR1260 4	10.334	10.768	2920176	10976814	660.702	672.070	ng/ml

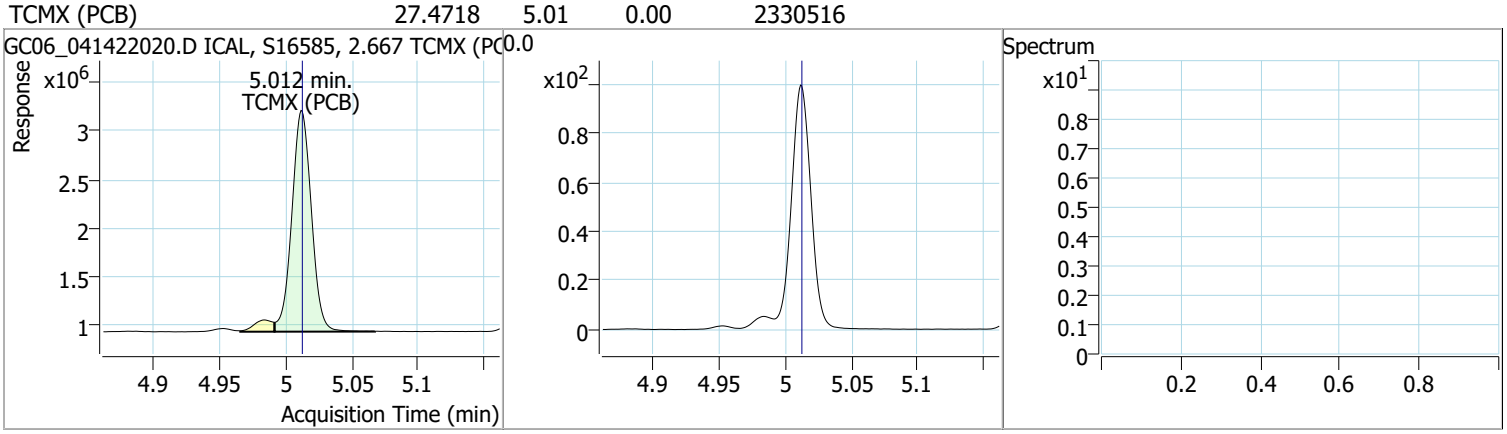
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.468	3951886	15787028	675.565	655.606	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

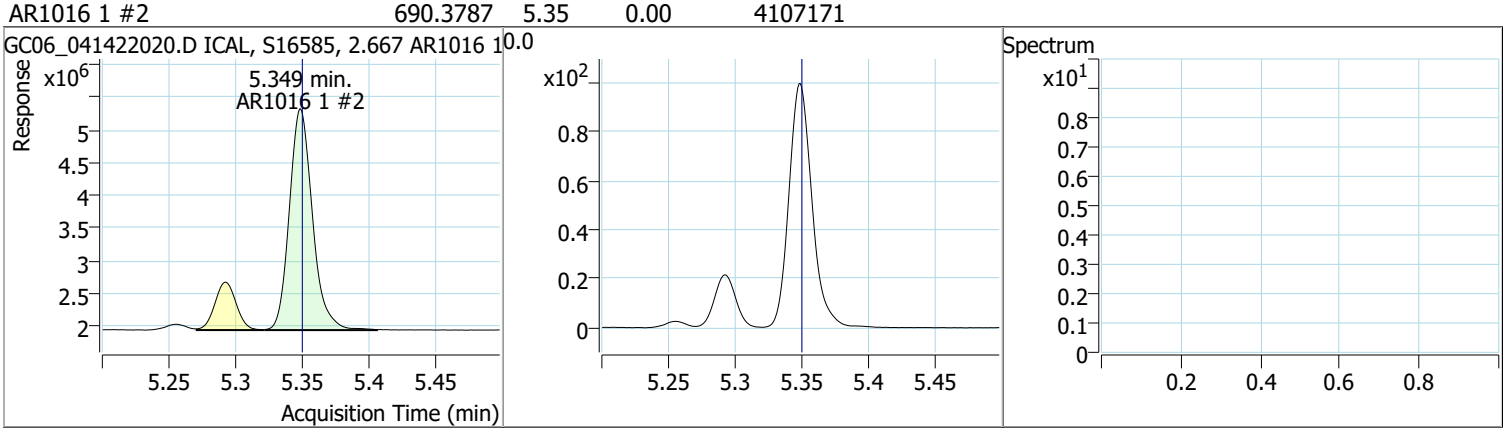
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	28.8693	4.90	0.00	8400333			



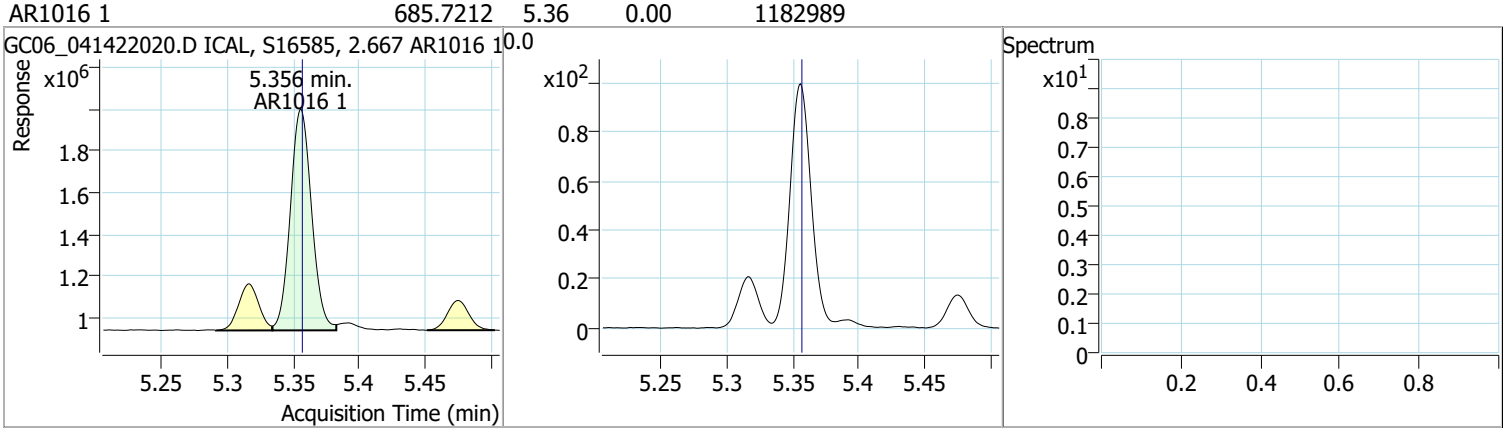
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	27.4718	5.01	0.00	2330516			



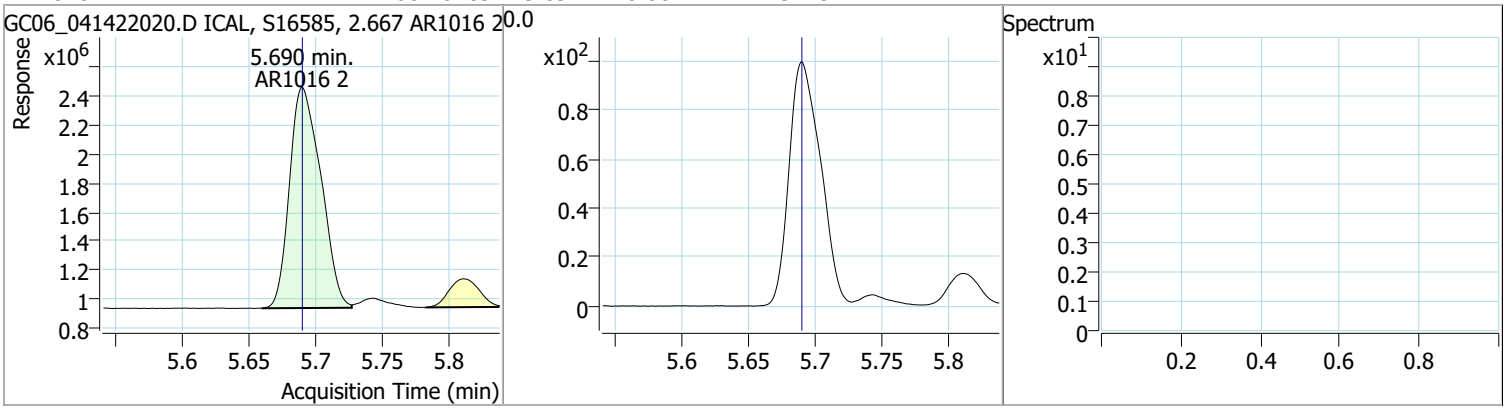
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	690.3787	5.35	0.00	4107171			



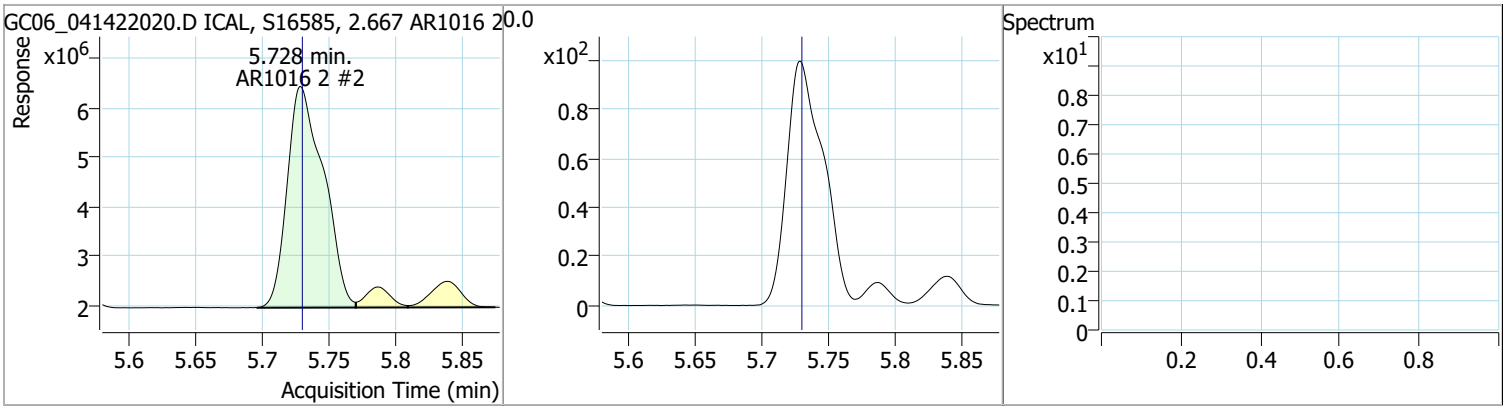
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	685.7212	5.36	0.00	1182989			



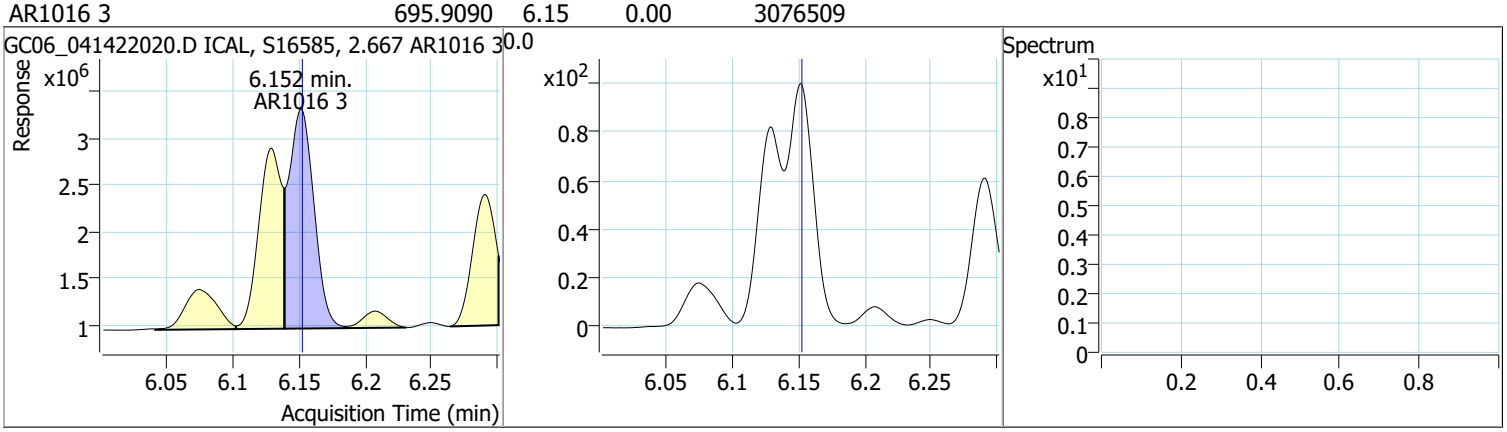
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	664.0209	5.69	0.00	2494294			



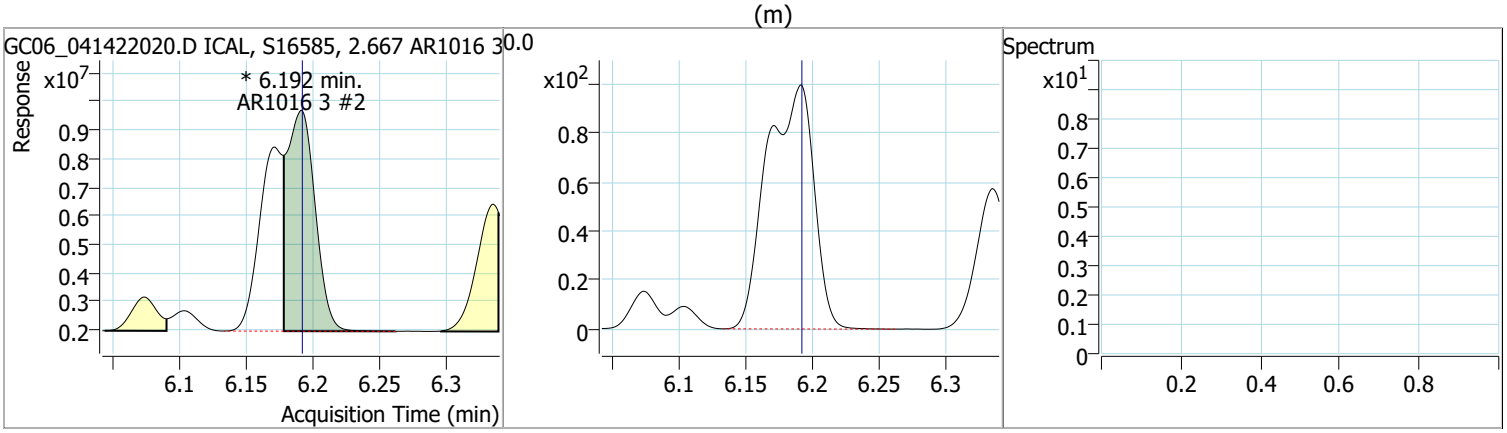
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	695.1082	5.73	0.00	8581795			



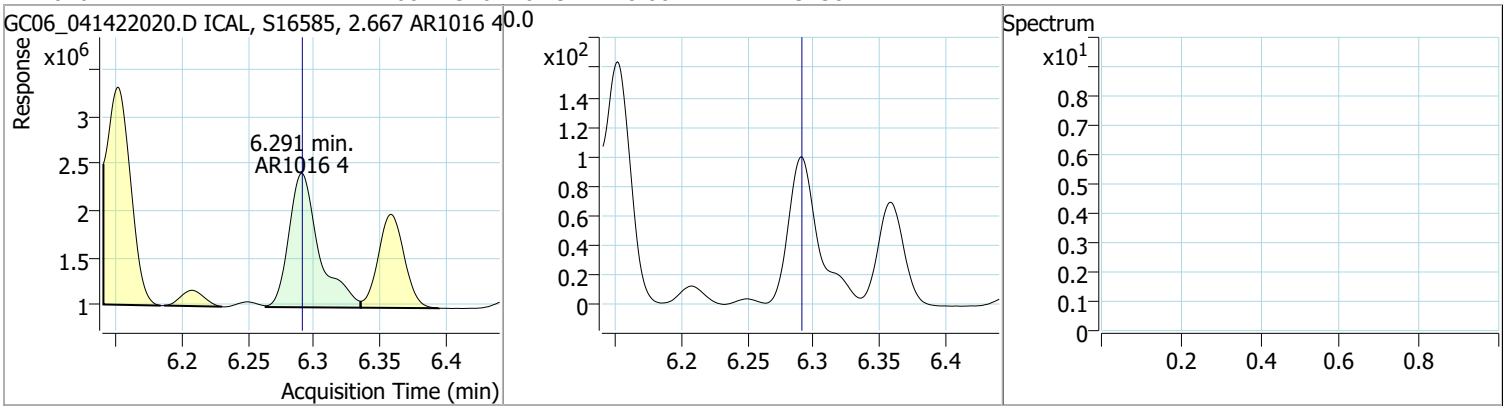
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	695.9090	6.15	0.00	3076509			



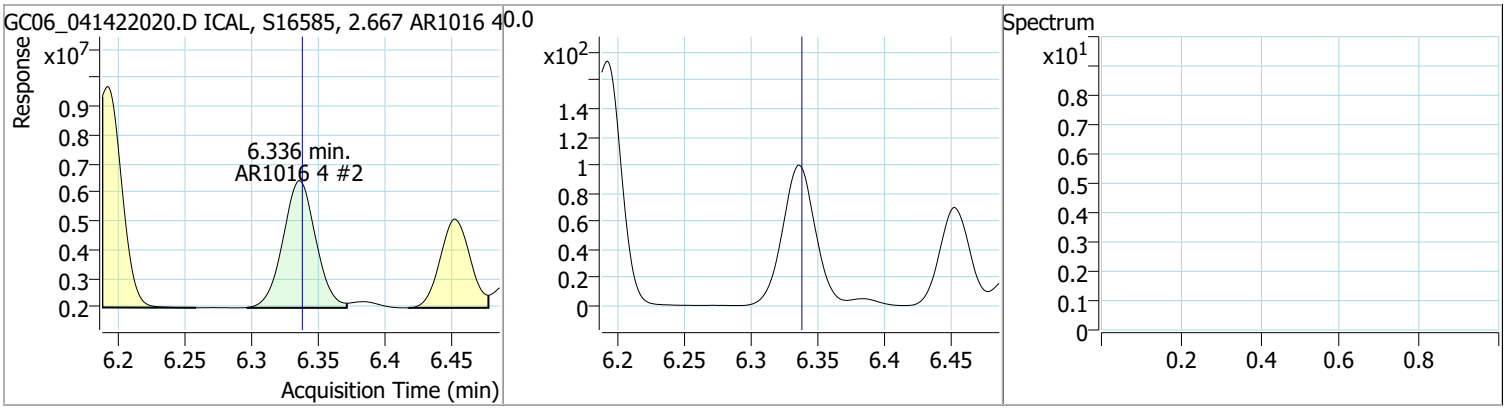
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	689.4777	6.19	0.00	11225999 (m)			



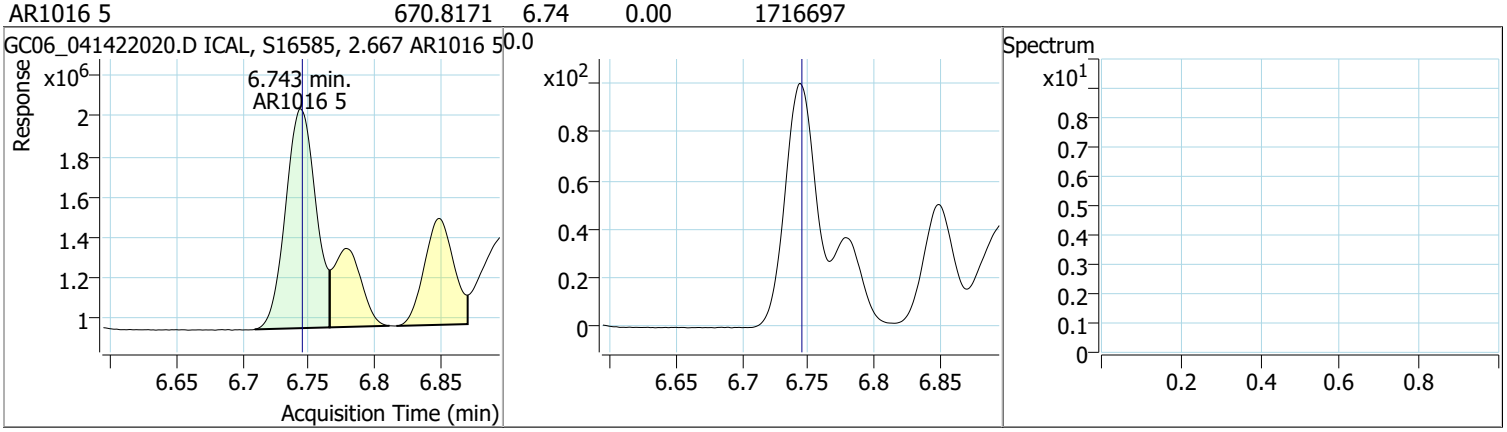
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	687.7376	6.29	0.00	2275238			



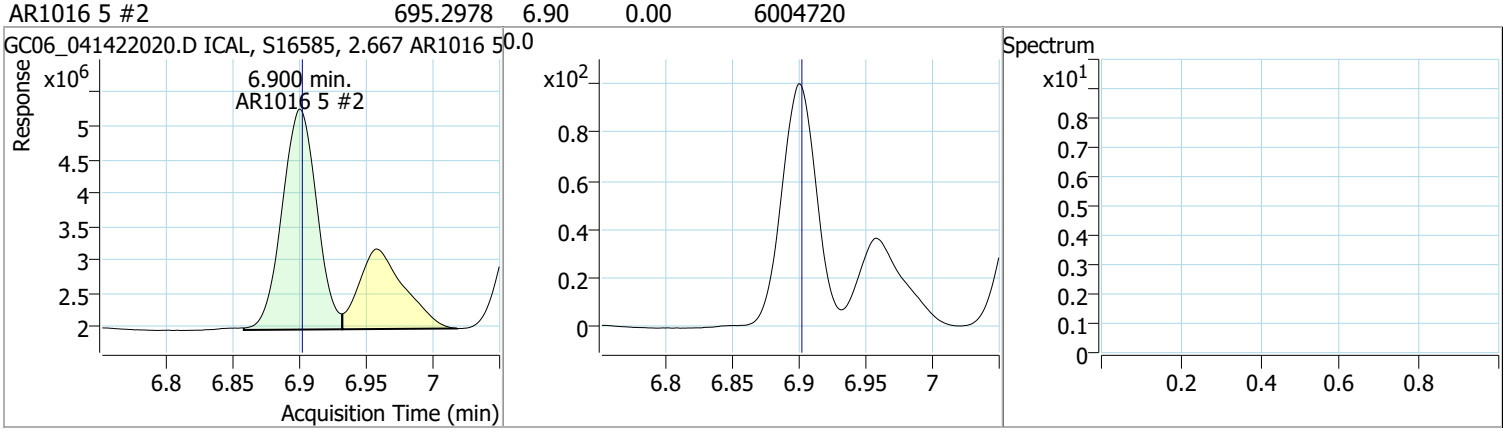
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	689.6447	6.34	0.00	7617947			



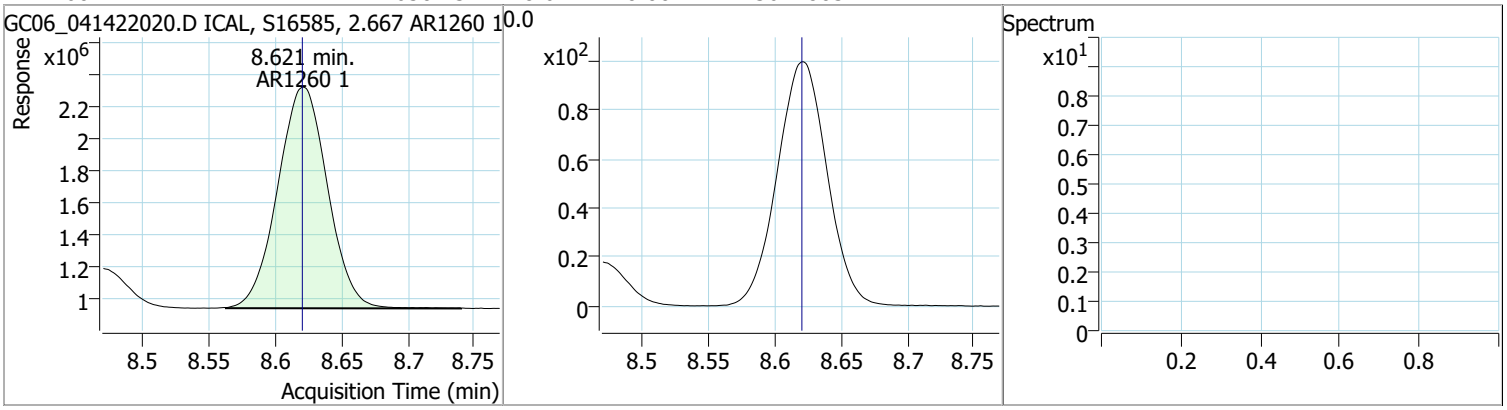
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	670.8171	6.74	0.00	1716697			



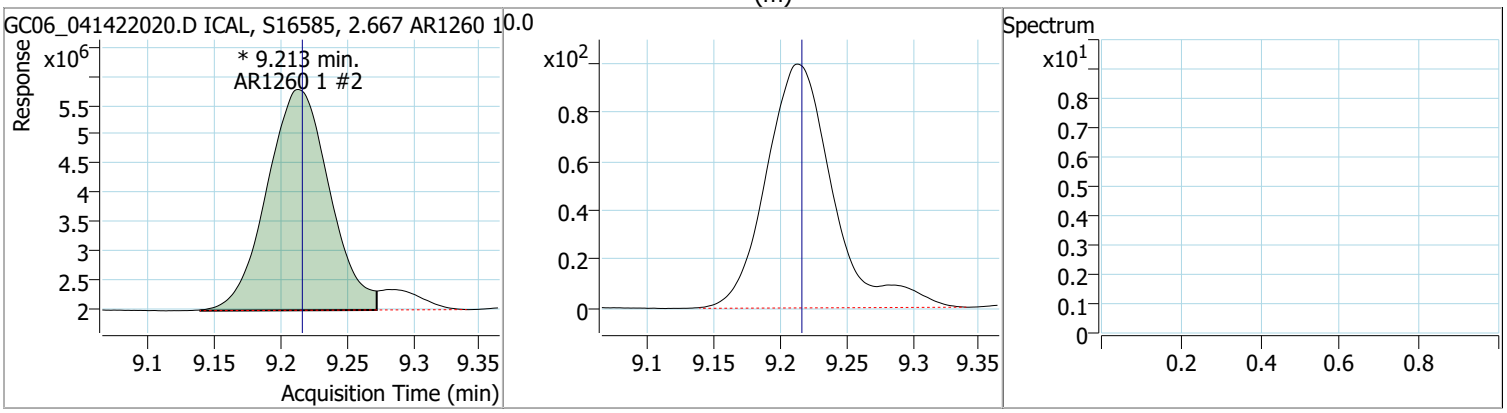
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	695.2978	6.90	0.00	6004720			



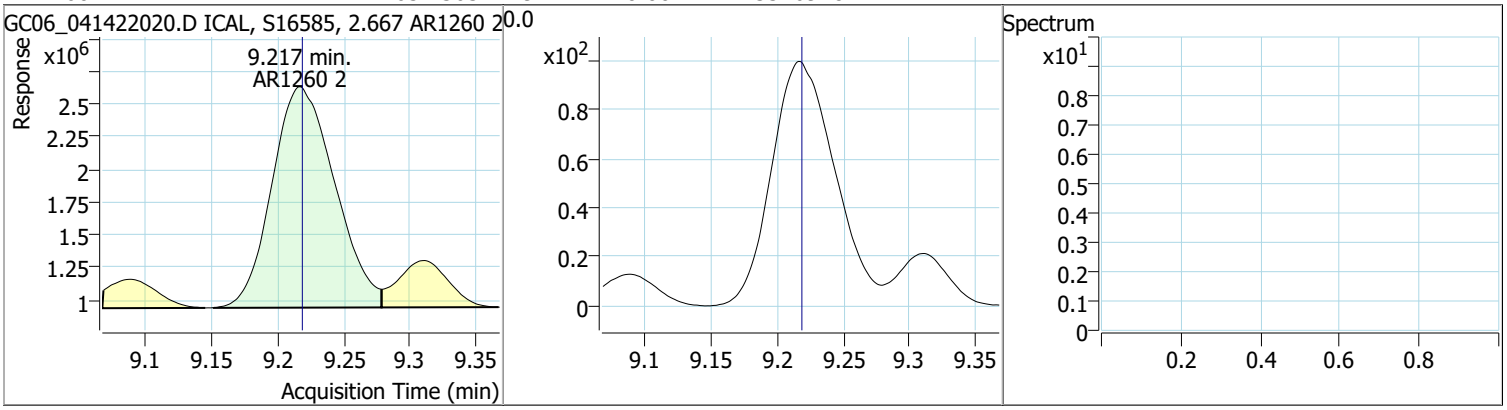
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	650.7377	8.62	0.00	3611803			



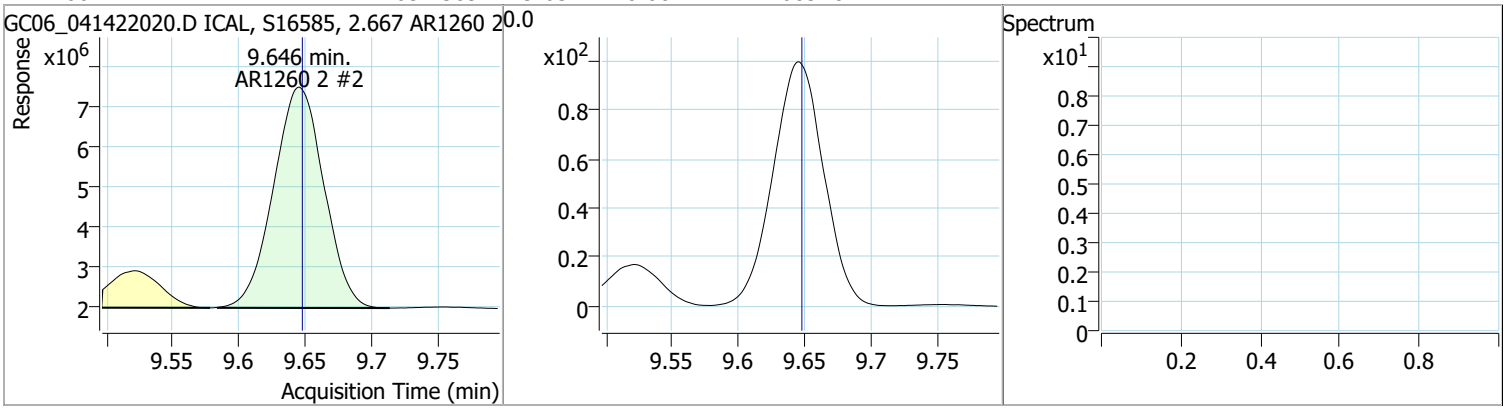
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	653.5660	9.21	0.00	12566233 (m)			



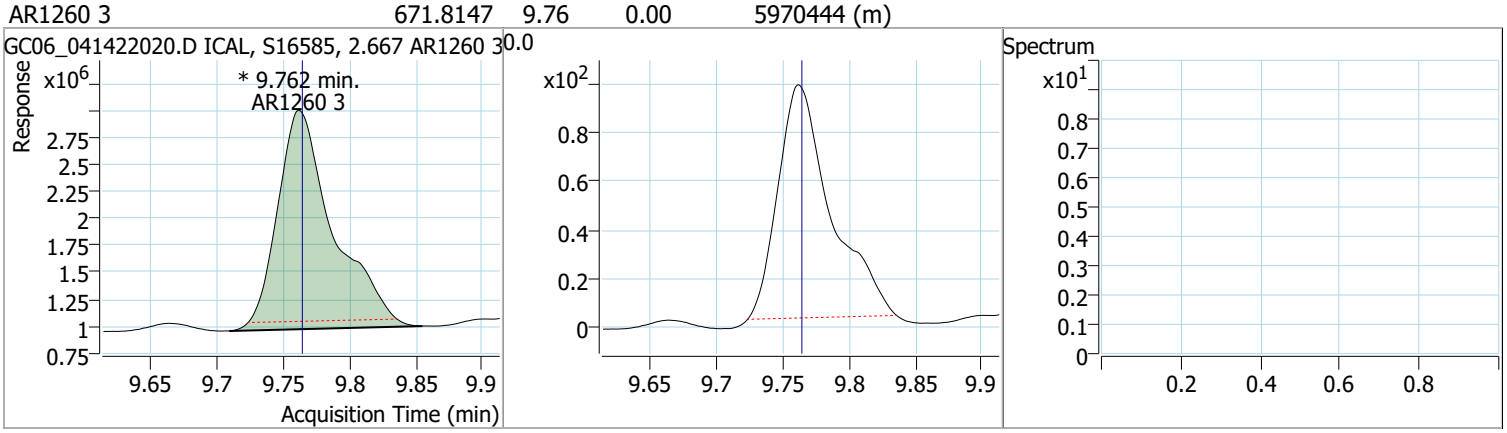
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	652.3634	9.22	0.00	5576918			



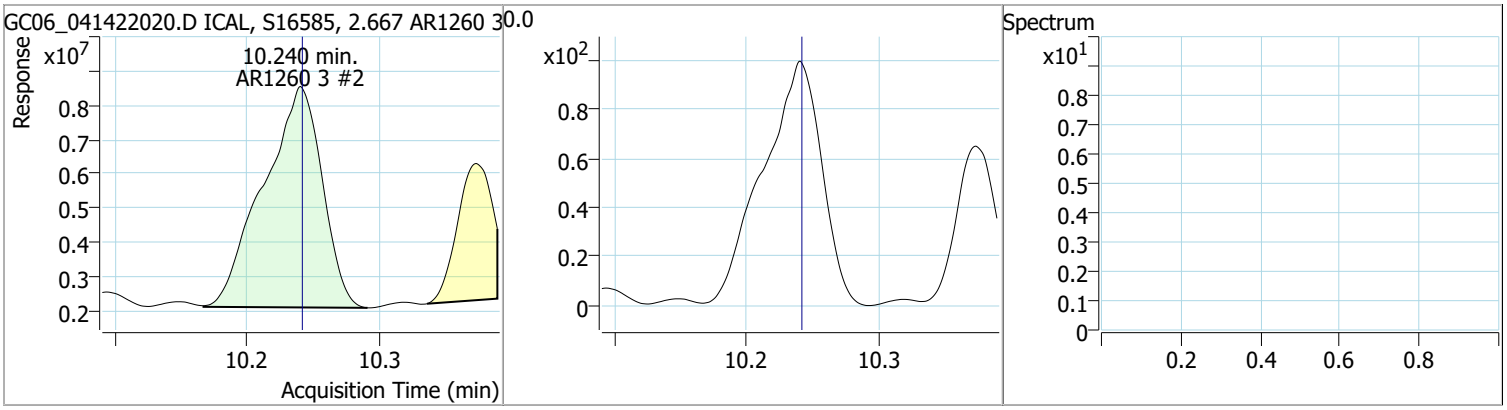
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	657.5894	9.65	0.00	14609281			



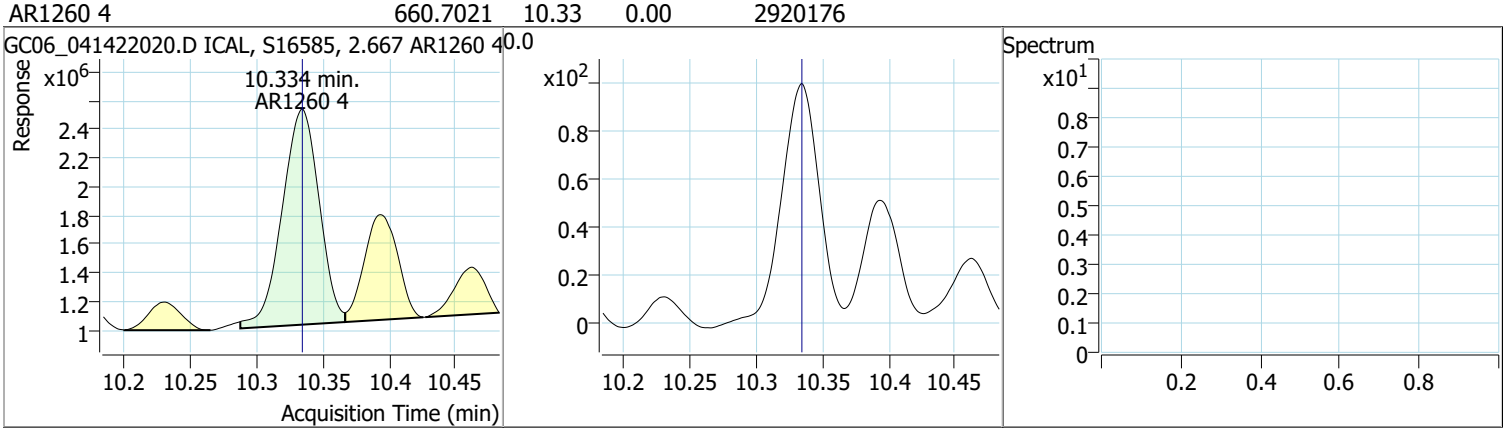
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	671.8147	9.76	0.00	5970444 (m)			



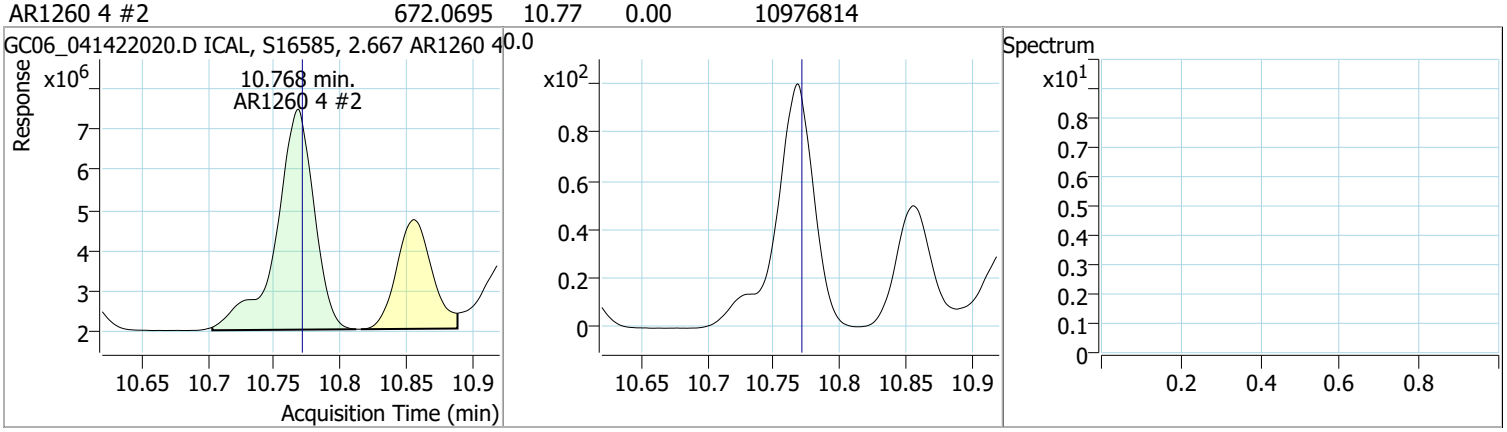
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	662.1464	10.24	0.00	19985948			



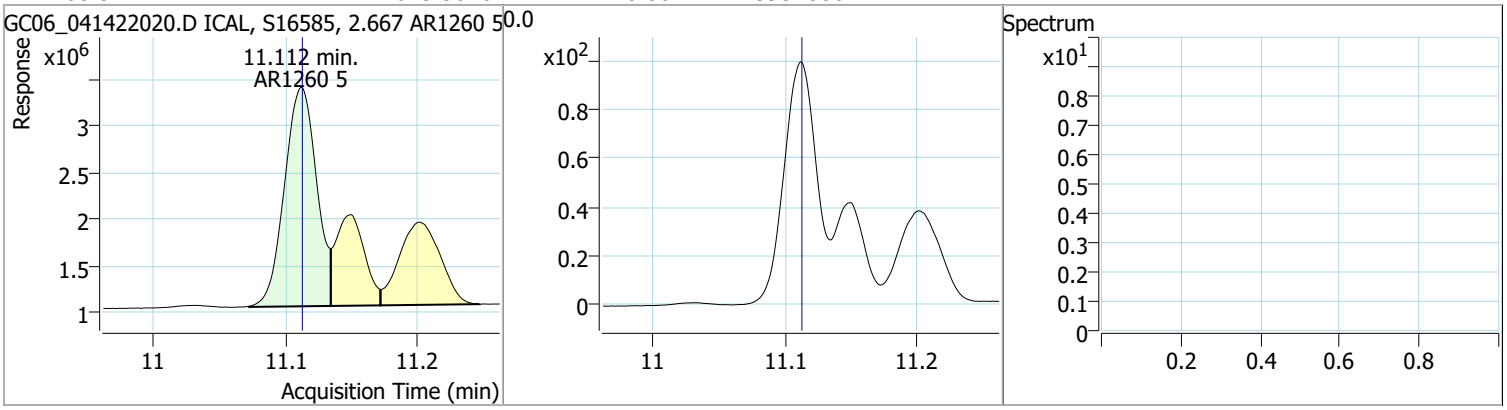
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	660.7021	10.33	0.00	2920176			



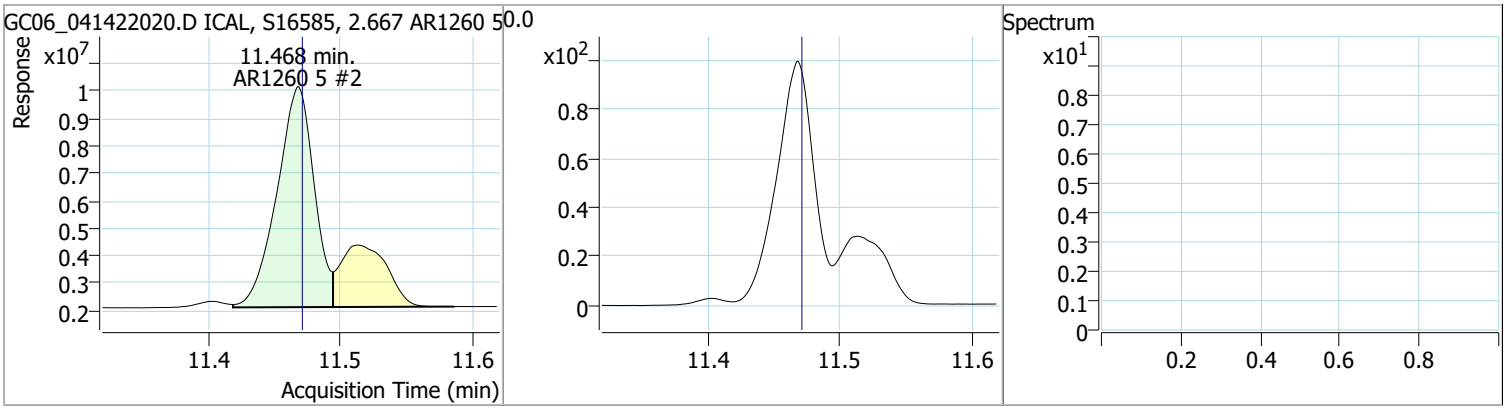
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	672.0695	10.77	0.00	10976814			



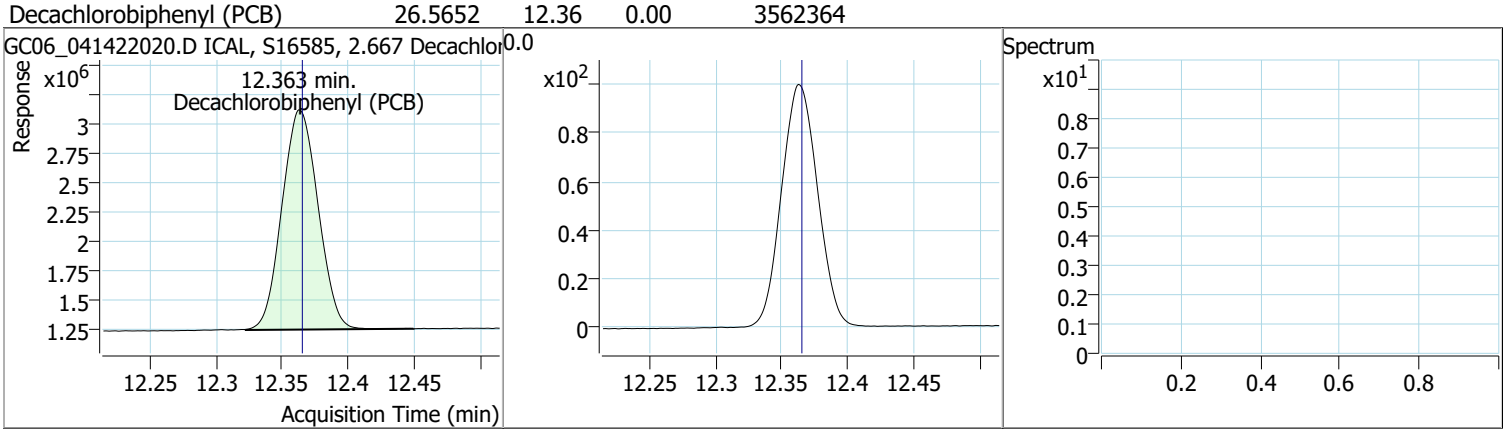
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	675.5646	11.11	0.00	3951886			



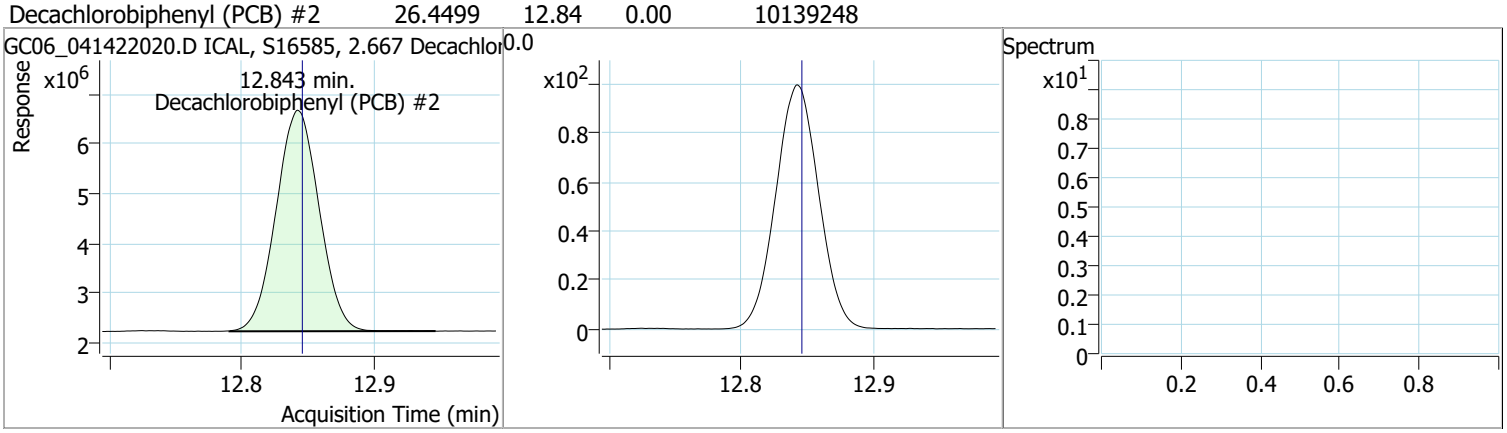
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	655.6056	11.47	0.00	15787028			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	26.5652	12.36	0.00	3562364			

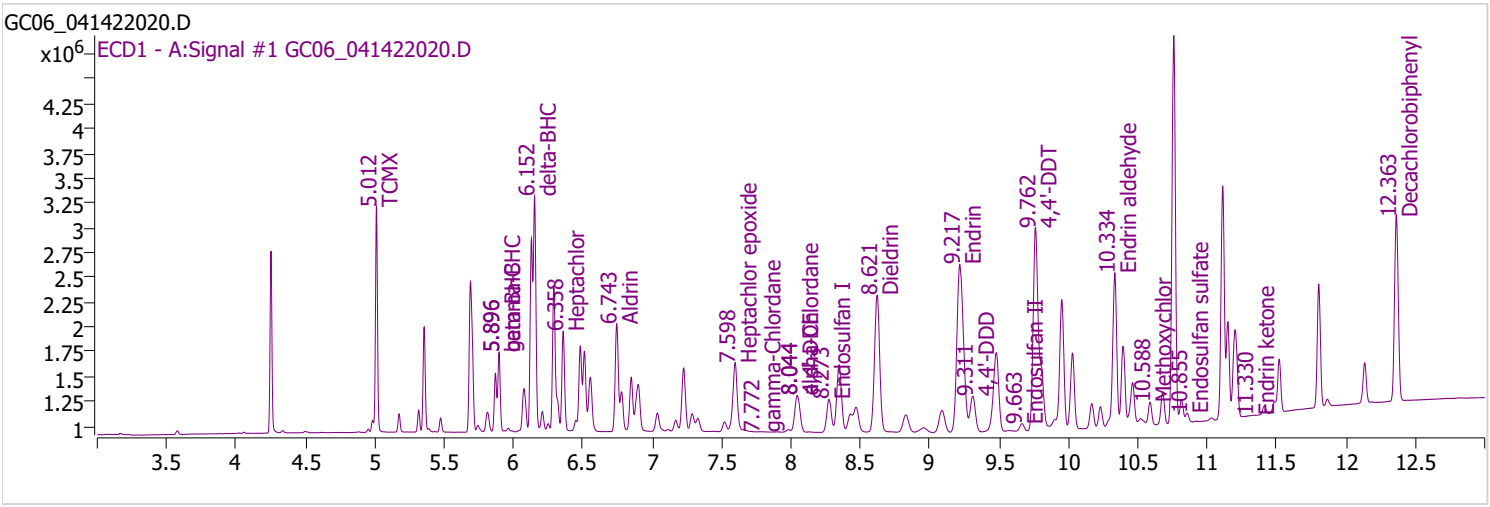


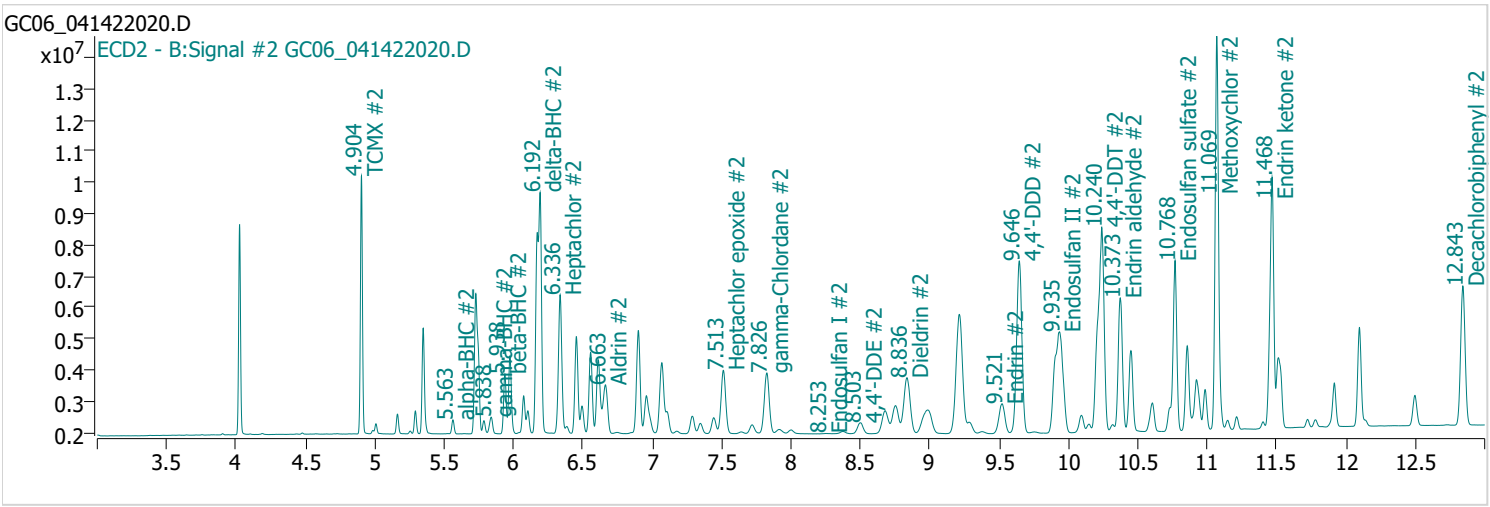
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	26.4499	12.84	0.00	10139248			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422020.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:09:10 PM
Sample Name	ICAL, S16585, 2.667	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 116	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 8:23:27 PM



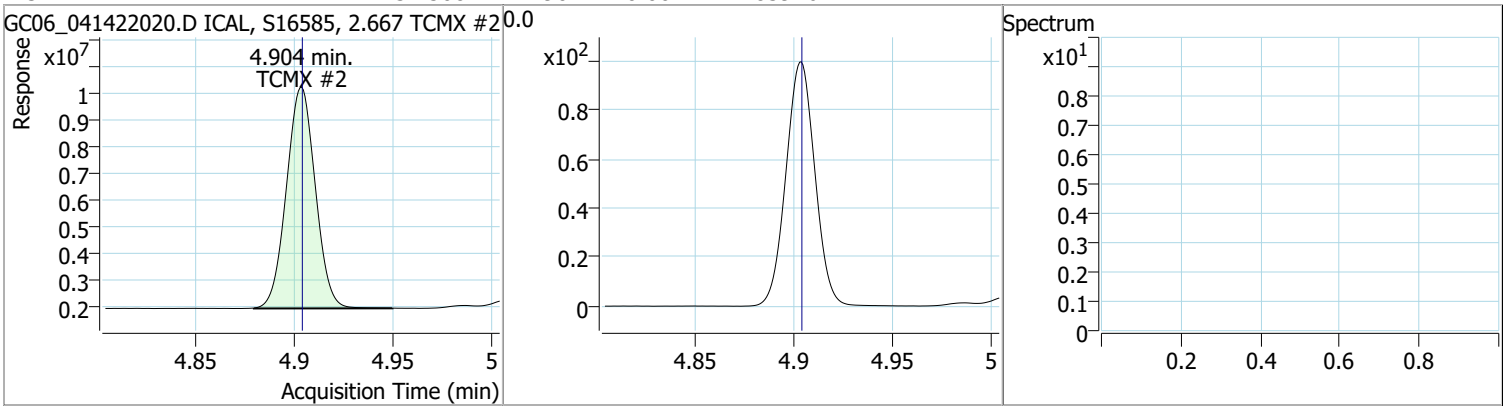


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.252	4.026	1755139	6346018	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.012	4.904	2333042	8394614	29.835	31.508	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	149.17%	157.54% *	
S Decachlorobiphenyl	12.363	12.843	3553731	10117201	29.847	28.820	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	149.24%	144.10%	
Target Compounds							
T alpha-BHC	----	5.563 f	0	503087	N.D.	2.224 #	ng/ml
T gamma-BHC	5.896	5.838	935894	773059	13.256	3.361 #	ng/ml
T beta-BHC	5.896	5.938	925269	2485893	25.132	17.990 #	ng/ml
T delta-BHC	6.152	6.192	3026787	19000584	30.597	39.301 #	ng/ml
T Heptachlor	6.358	6.336	1226394	7617947	16.400	23.464 #	ng/ml
T Aldrin	6.743	6.663 f	1717976	3438770	21.221	14.068 #	ng/ml
T Heptachlor epoxide	7.598	7.513	1462618	4285912	18.875	16.348	ng/ml
T gamma-Chlordane	7.772	7.826	3035	4735328	0.053	16.618 #	ng/ml
T alpha-Chlordane	8.044	----	588280	0	9.534	N.D. #	ng/ml

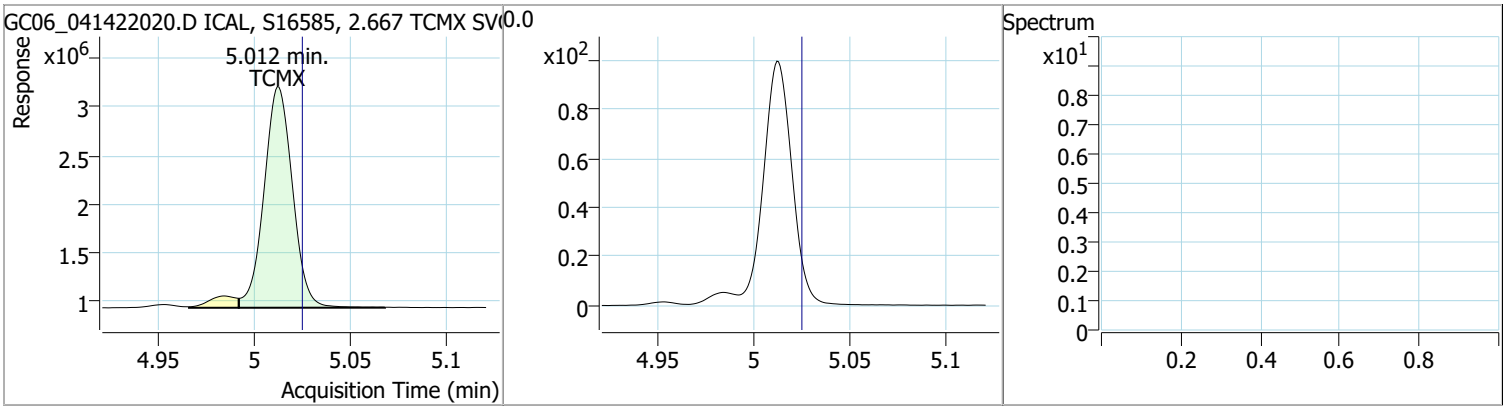
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.273	8.253	752549	18720	12.818	0.099 #	ng/ml
T 4,4'-DDE	8.044	8.503 f	918708	914575	15.267	4.975 #	ng/ml
T Dieldrin	8.621	8.836	3602536	4987733	43.953	22.196 #	ng/ml
T Endrin	9.217	9.521	5149660	2892006	58.571	14.675 #	ng/ml
T 4,4'-DDD	9.311	9.646 f	555403	13255716	12.678	63.908 #	ng/ml
T Endosulfan II	9.663	9.935 f	154699	13733433	2.793	48.777 #	ng/ml
T 4,4'-DDT	9.762	10.240	5781197	19867154	83.139	61.744 #	ng/ml
T Endrin aldehyde	10.334	10.373	2722503	8532275	47.858	42.483	ng/ml
T Endosulfan sulfate	10.855	10.768	76622	10983606	1.570	46.822 #	ng/ml
T Methoxychlor	10.588	11.069 f	361008	21812588	12.128	166.762 #	ng/ml
T Endrin ketone	11.330	11.468 f	397876	14584668	5.784	48.408 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

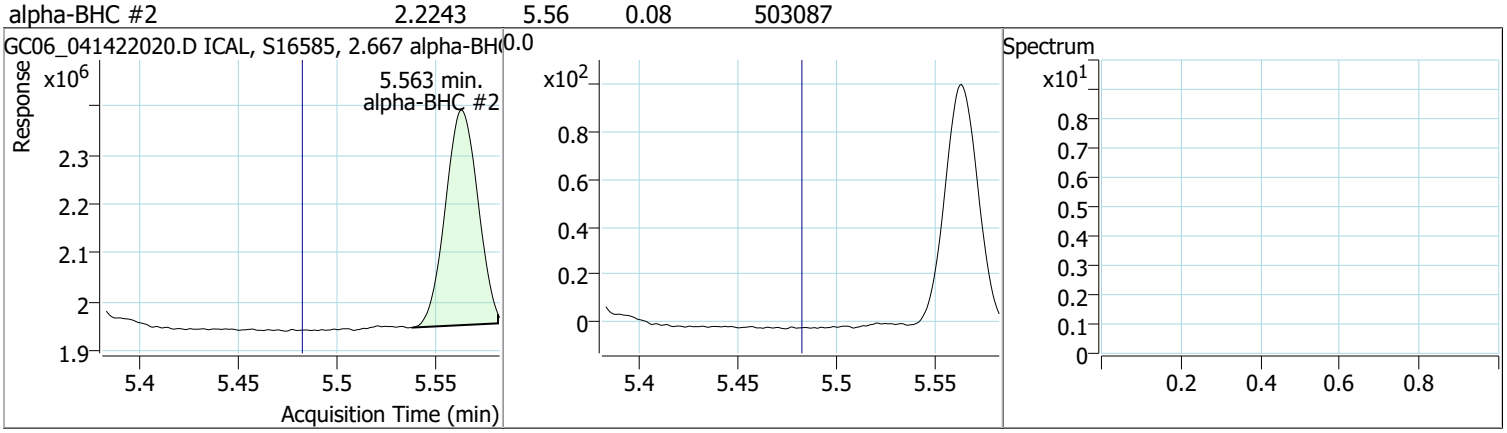
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	31.5084	4.90	0.00	8394614			



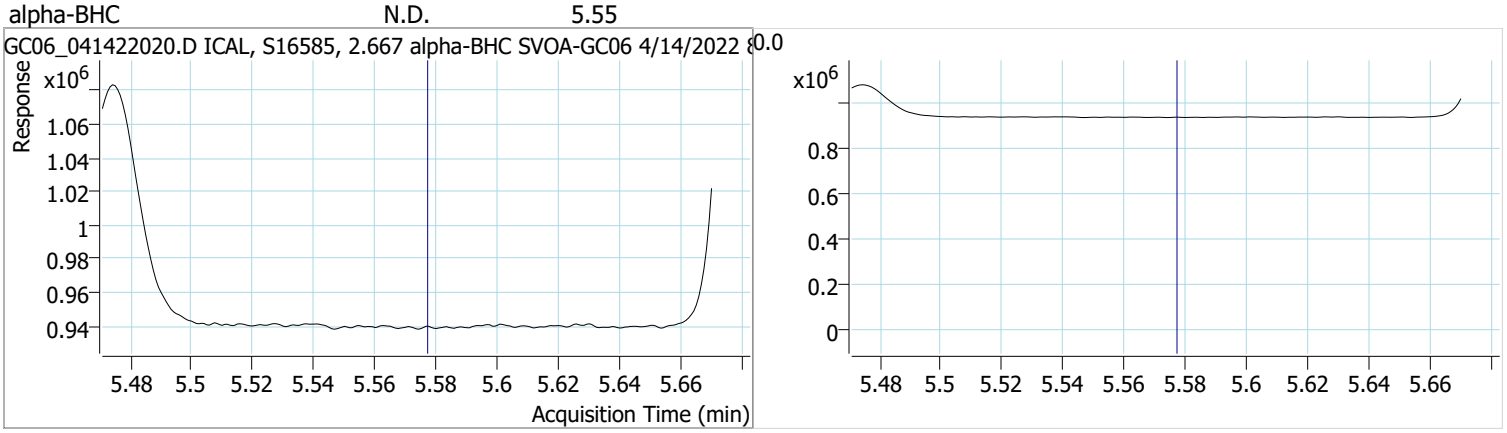
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	29.8347	5.01	0.01	2333042			



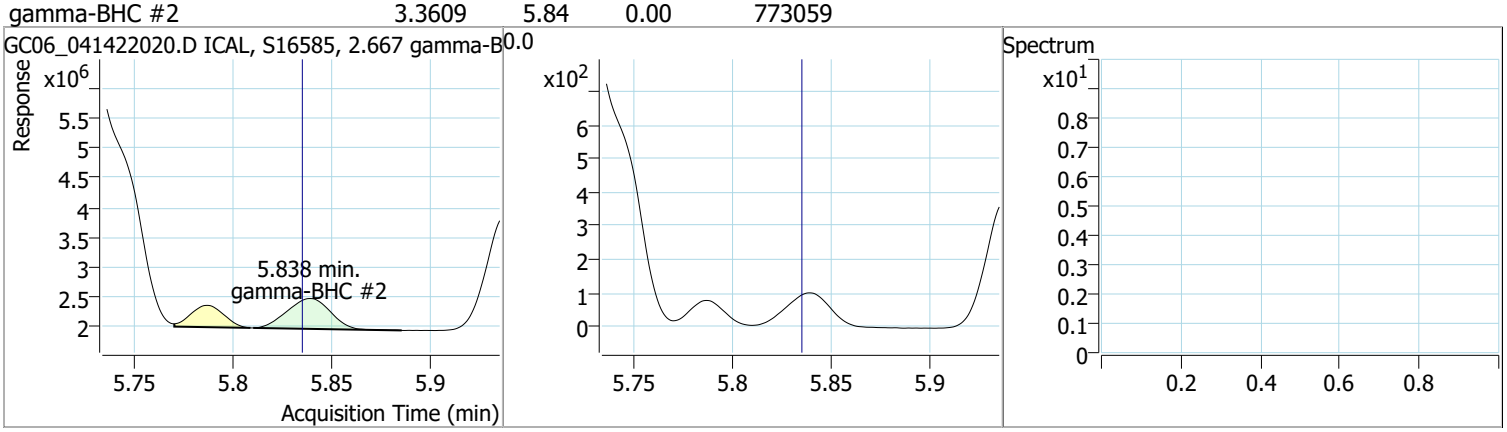
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	2.2243	5.56	0.08	503087			



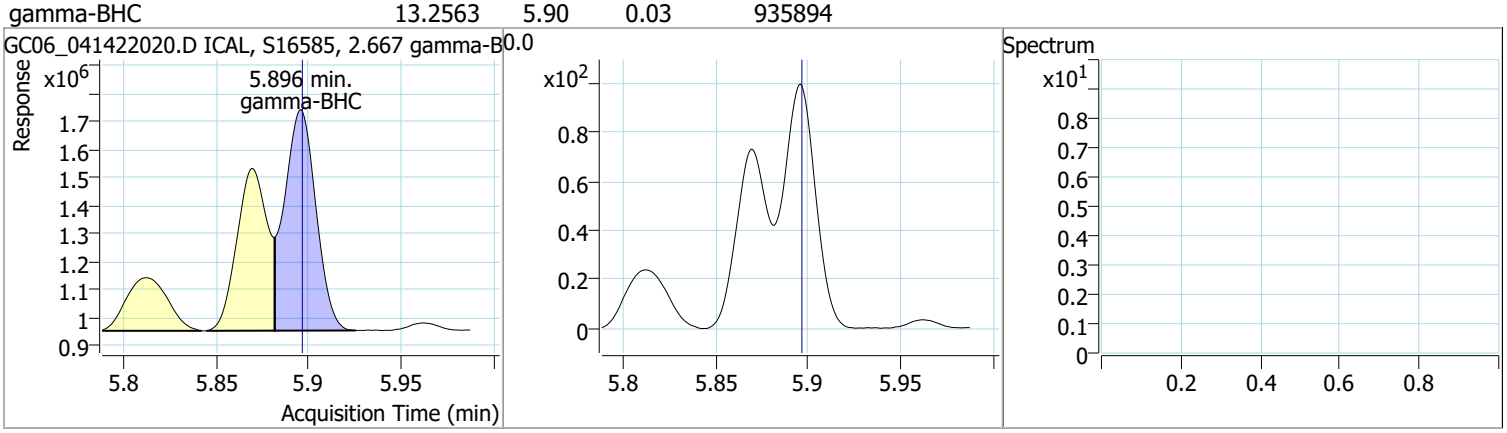
Compound	Conc.		Exp Ratio
alpha-BHC	N.D.	5.55	



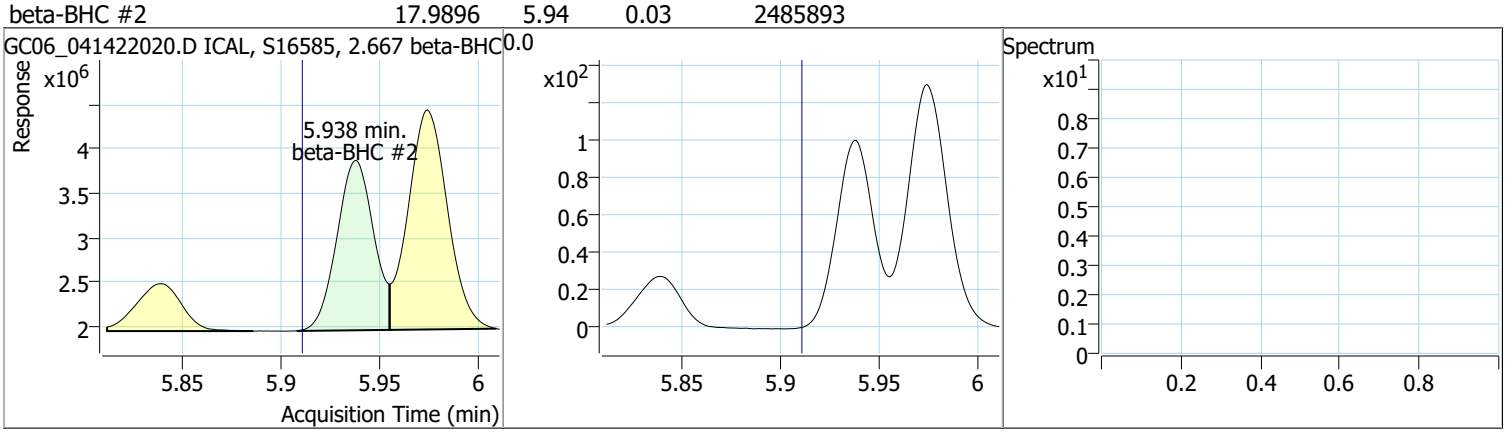
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	3.3609	5.84	0.00	773059			



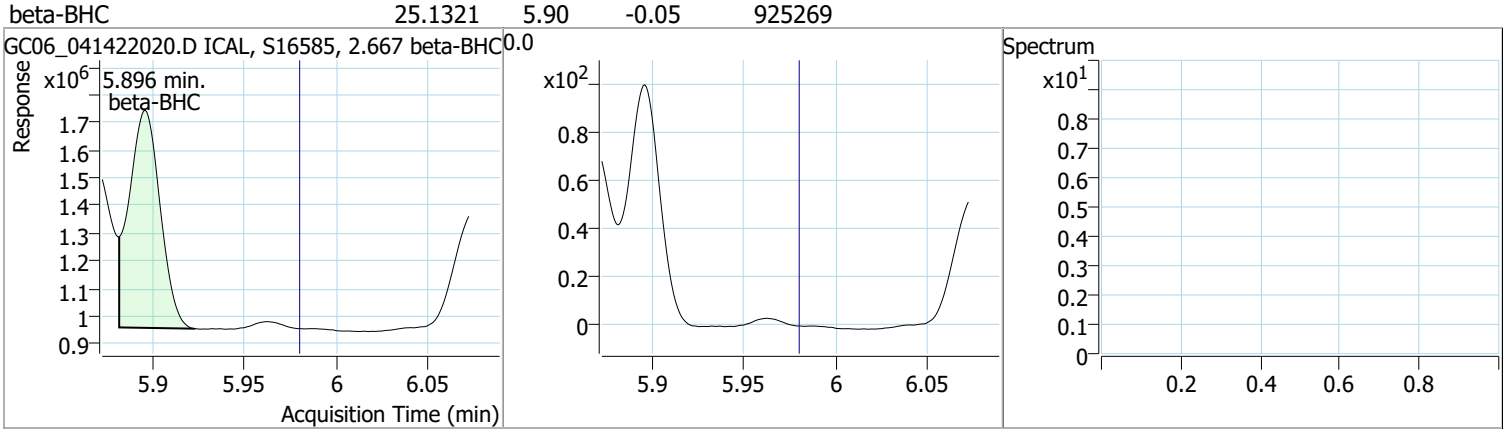
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	13.2563	5.90	0.03	935894			



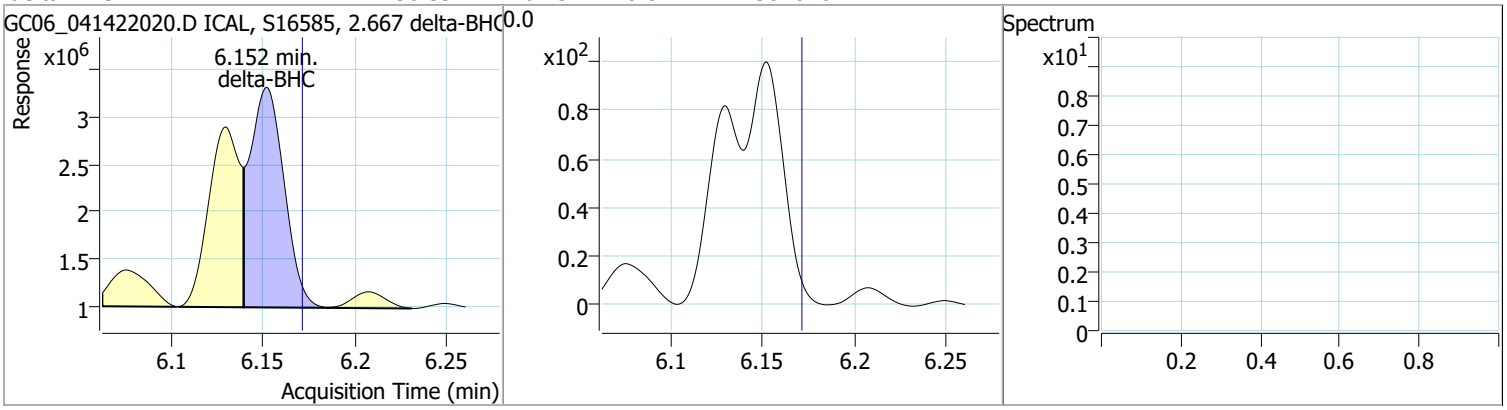
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	17.9896	5.94	0.03	2485893			



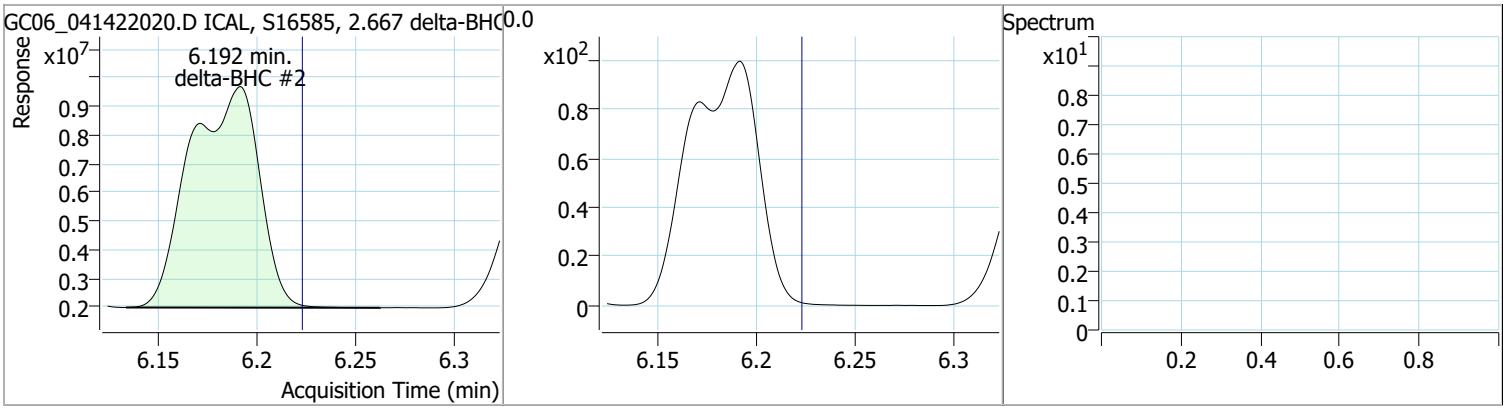
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	25.1321	5.90	-0.05	925269			



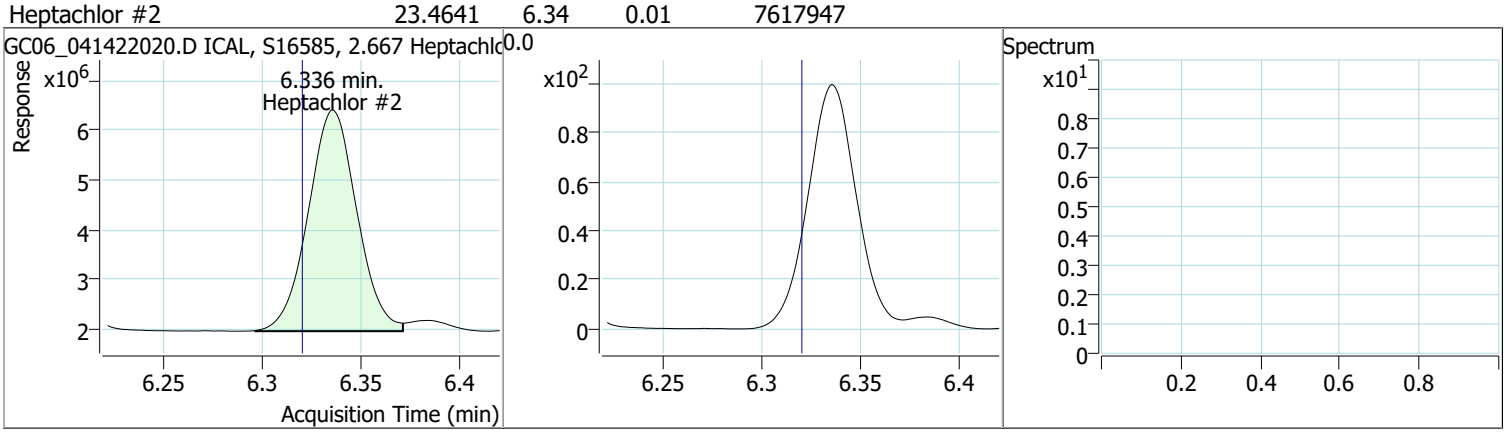
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	30.5974	6.15	0.01	3026787			



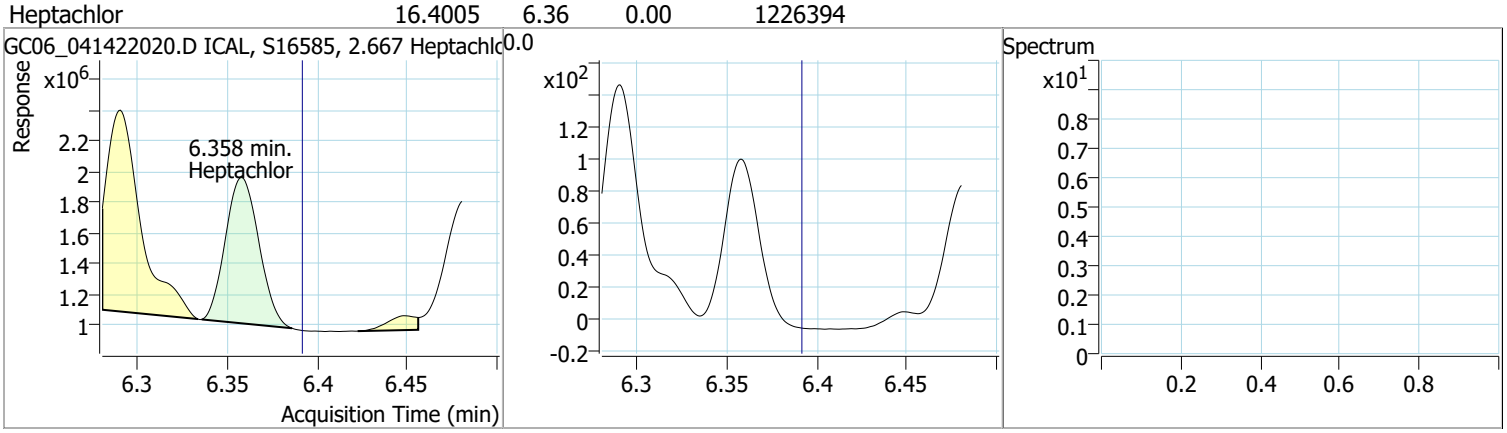
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	39.3011	6.19	-0.03	19000584			



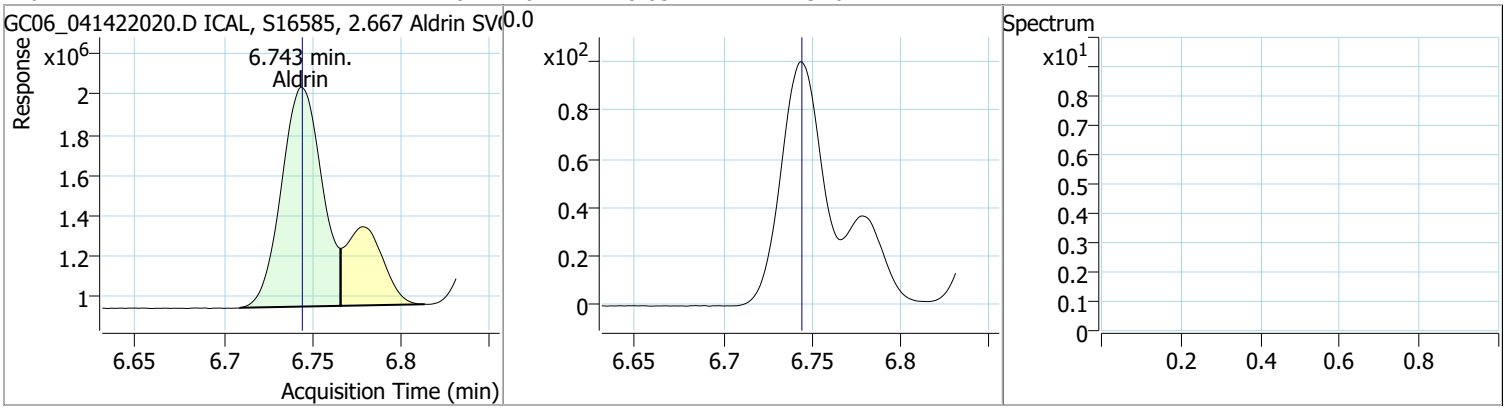
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	23.4641	6.34	0.01	7617947			



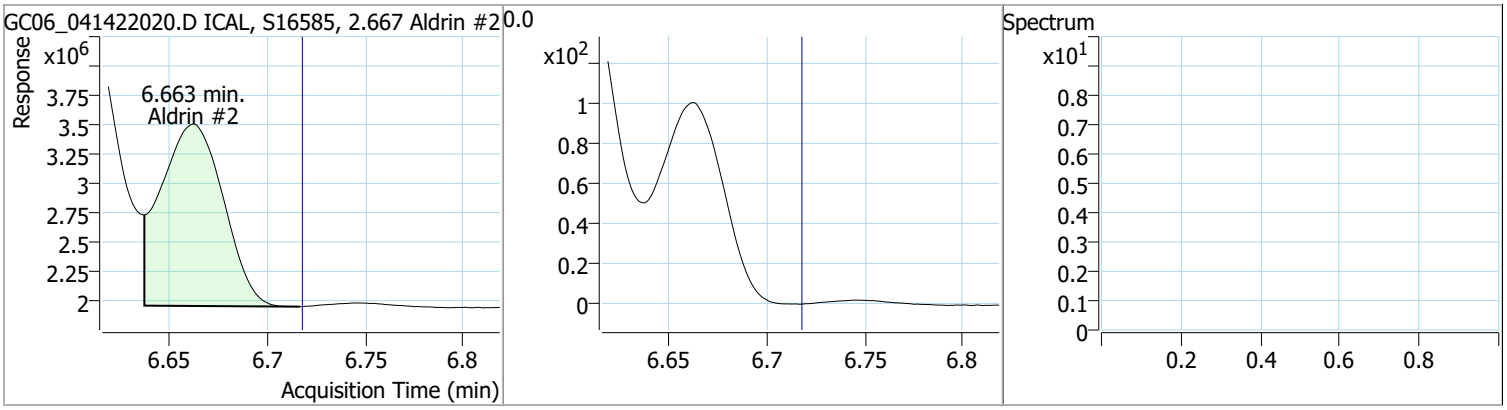
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	16.4005	6.36	0.00	1226394			



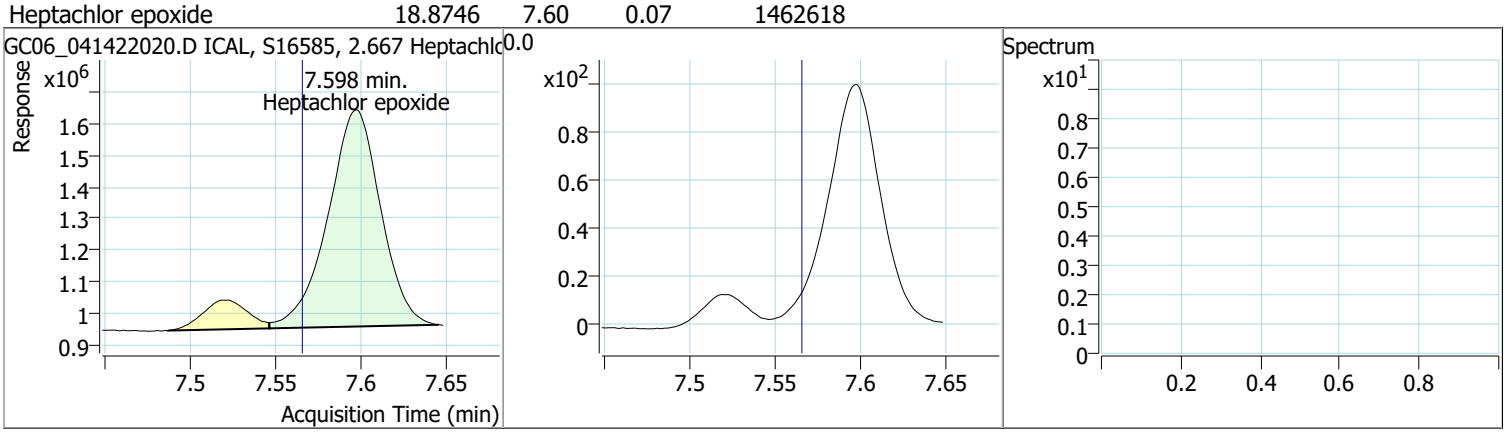
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	21.2207	6.74	0.03	1717976			



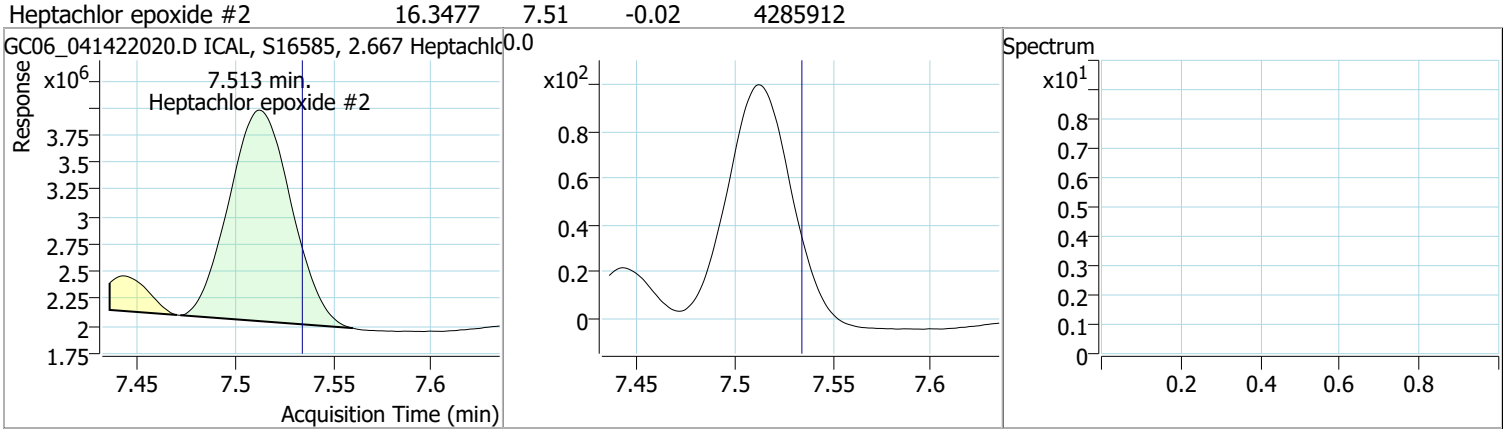
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	14.0681	6.66	-0.06	3438770			



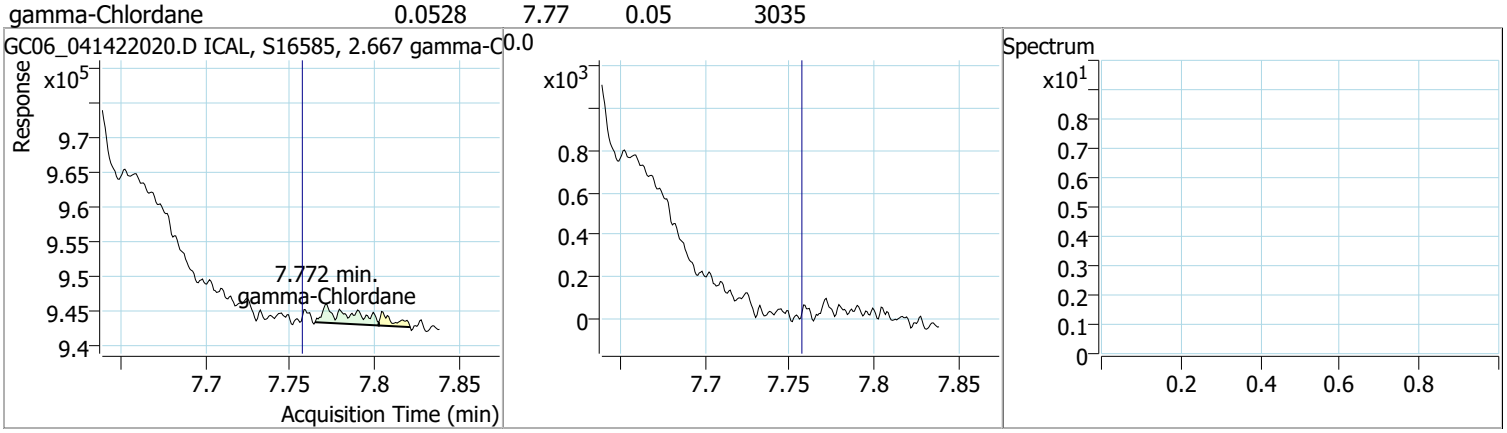
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	18.8746	7.60	0.07	1462618			



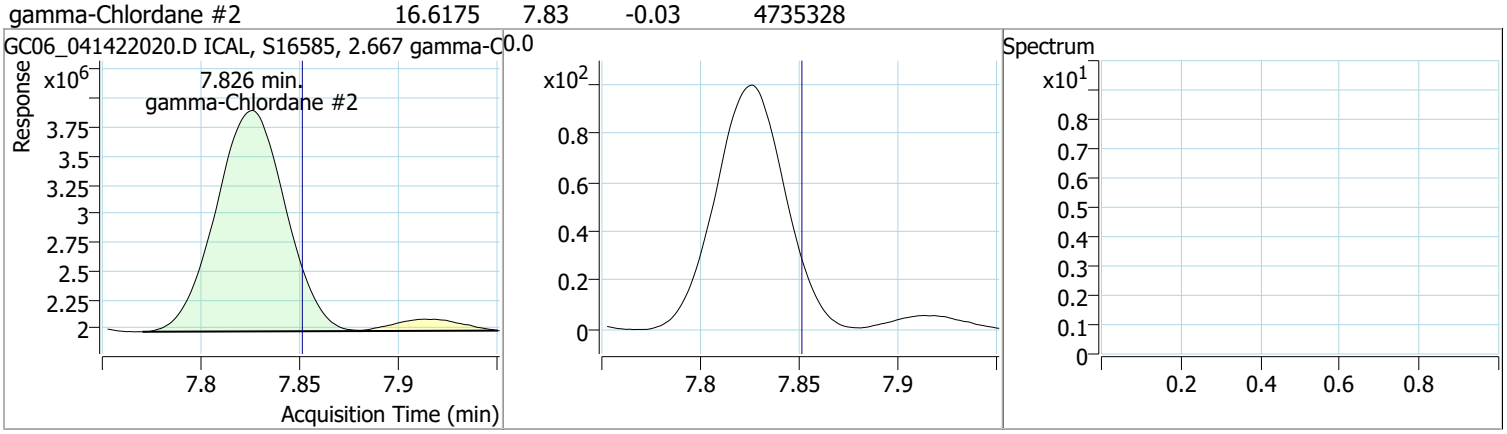
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	16.3477	7.51	-0.02	4285912			



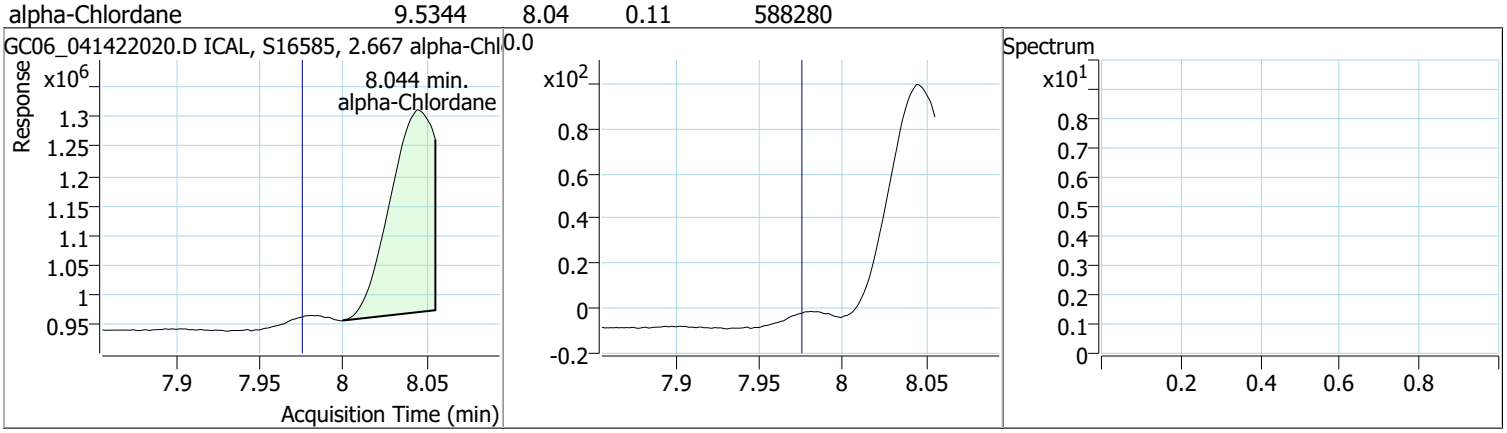
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0528	7.77	0.05	3035			



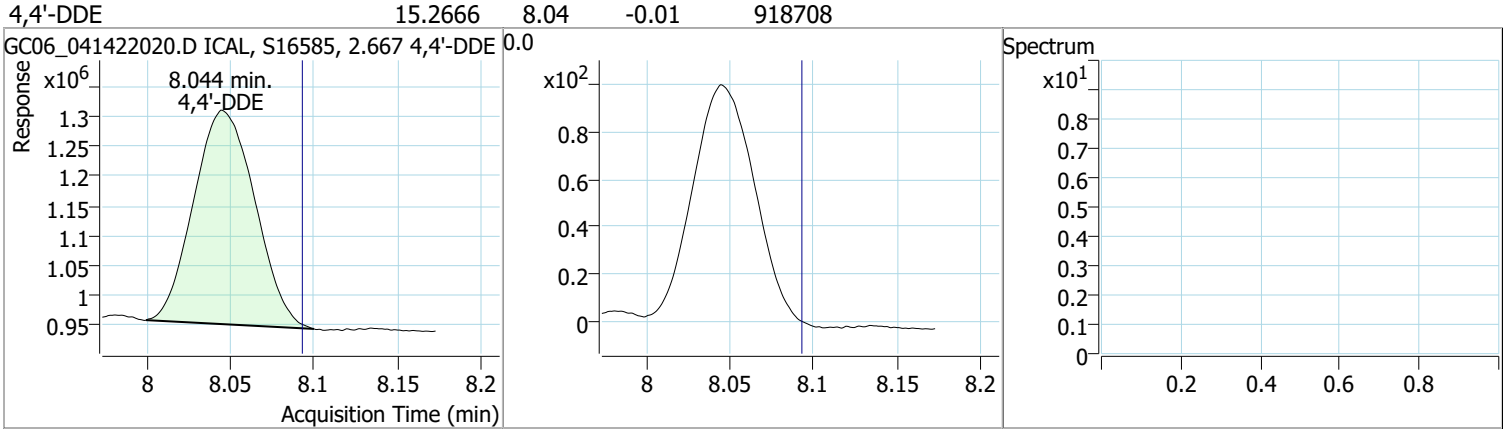
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	16.6175	7.83	-0.03	4735328			



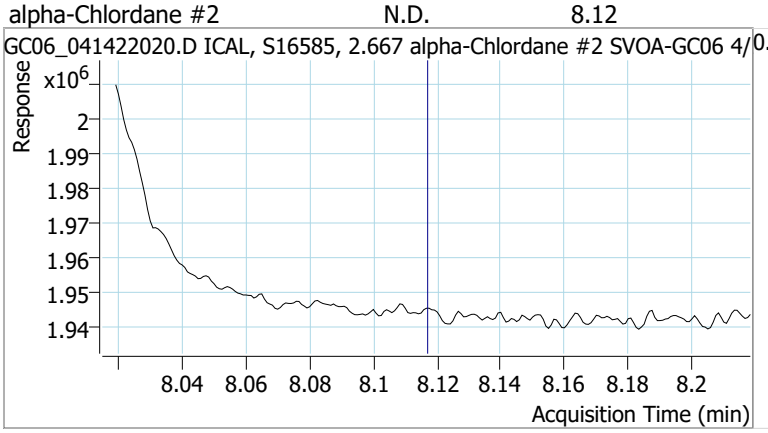
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	9.5344	8.04	0.11	588280			

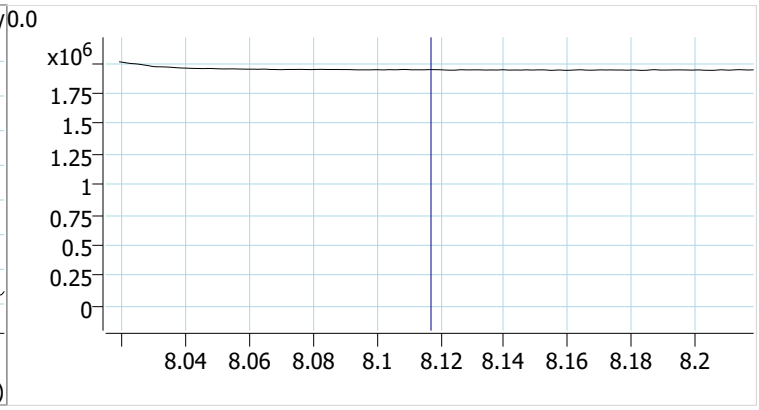


Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	15.2666	8.04	-0.01	918708			

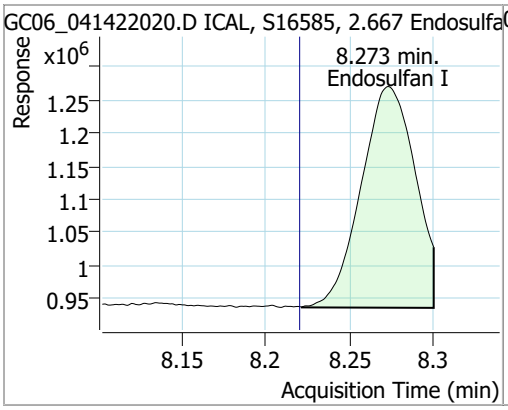


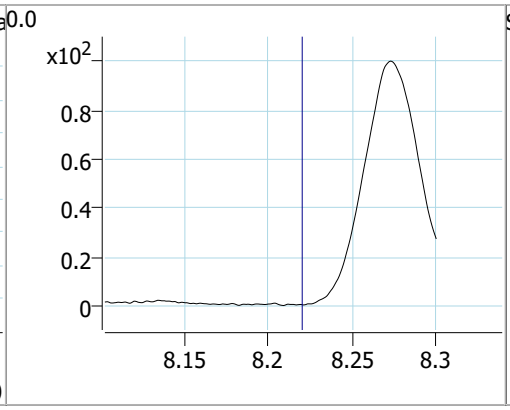
Compound	Conc.	Exp Ratio
alpha-Chlordane #2	N.D.	8.12

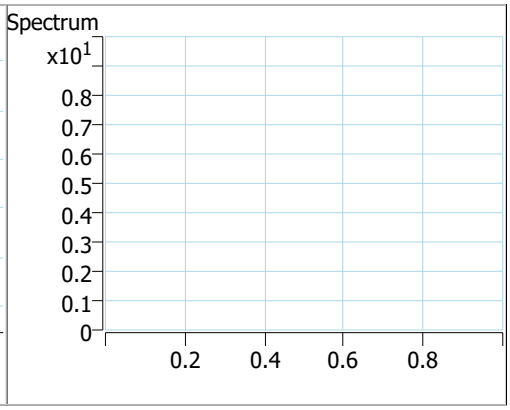




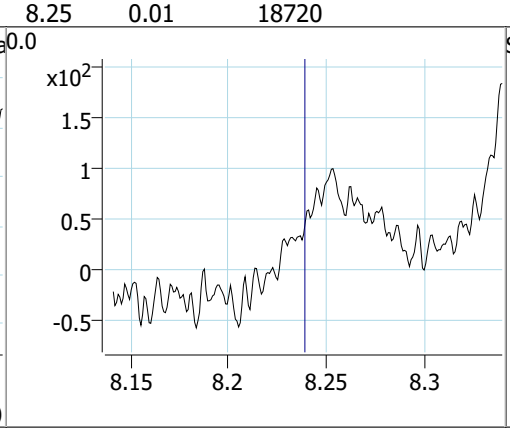
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	12.8182	8.27	0.09	752549			

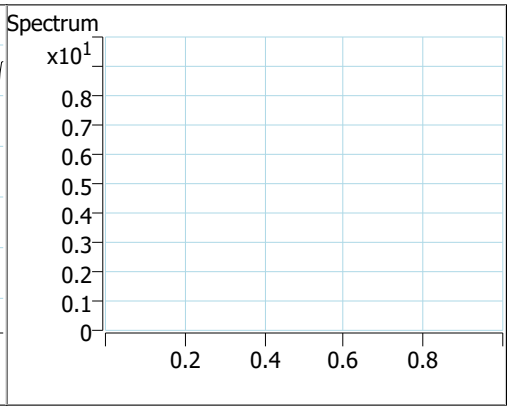




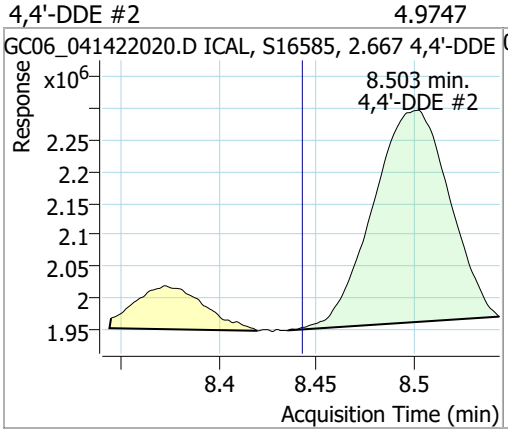


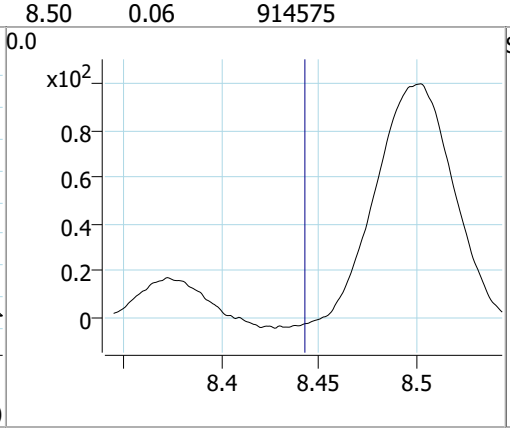
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.0995	8.25	0.01	18720			

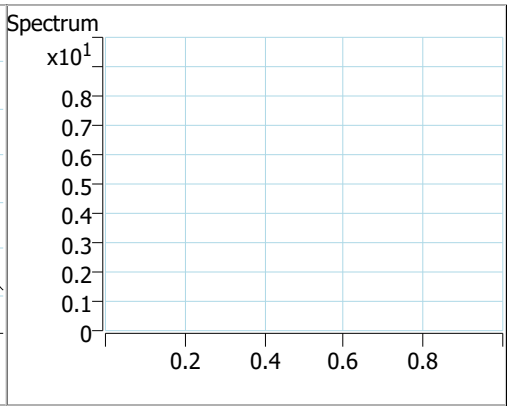




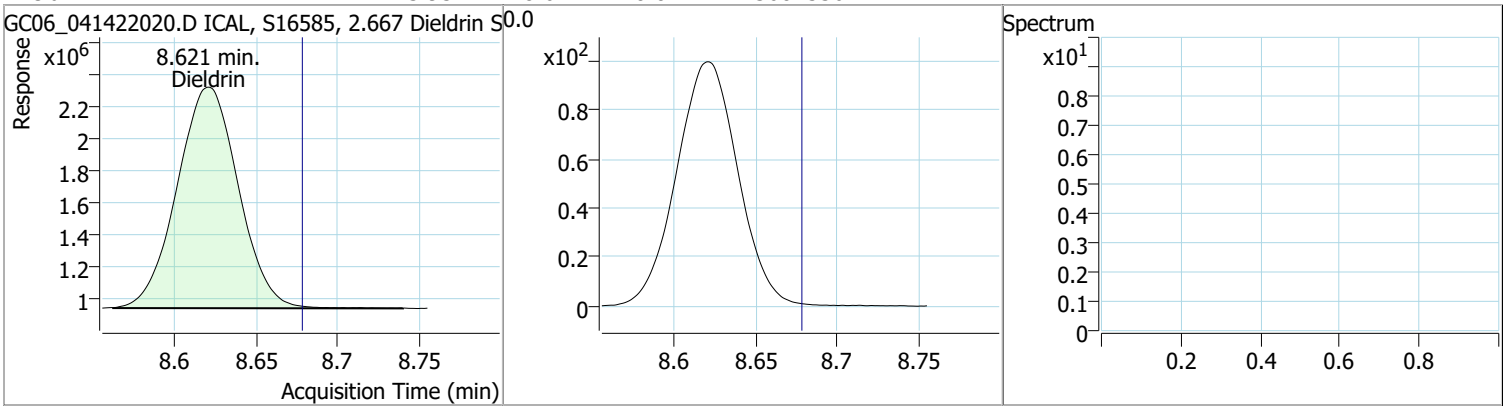
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	4.9747	8.50	0.06	914575			



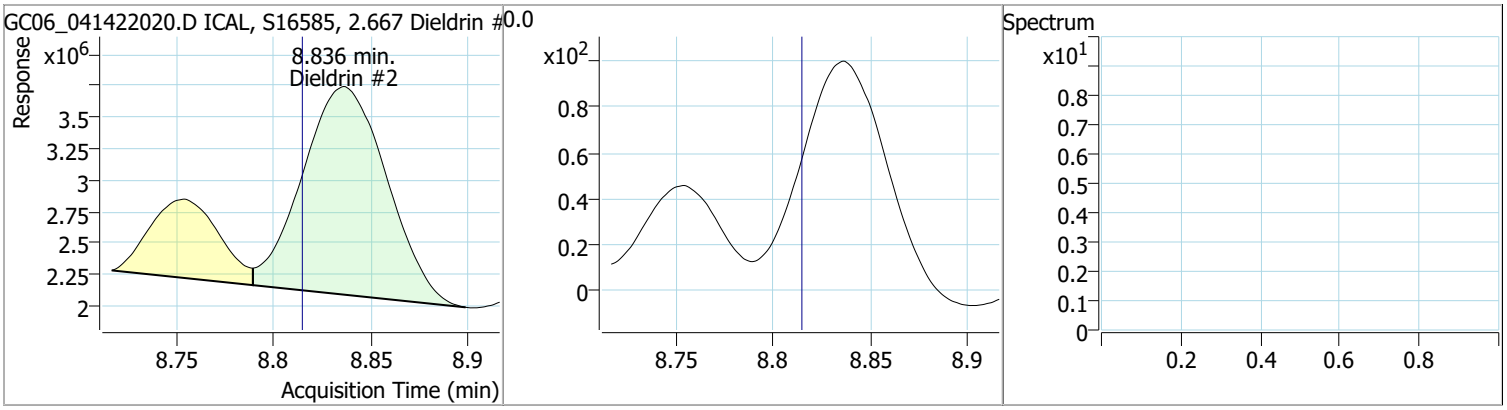




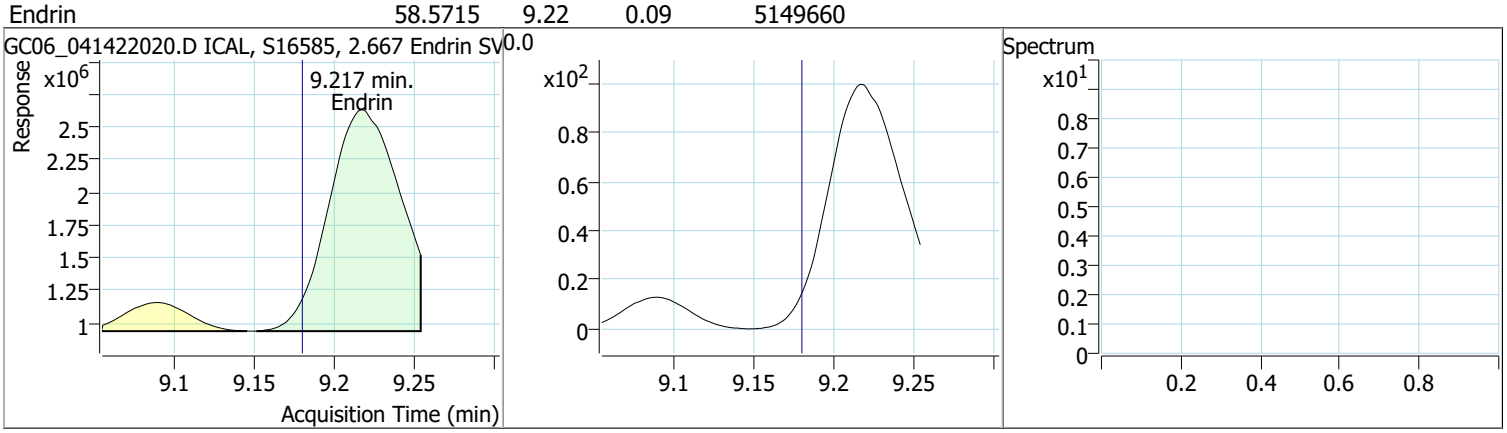
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	43.9527	8.62	-0.01	3602536			



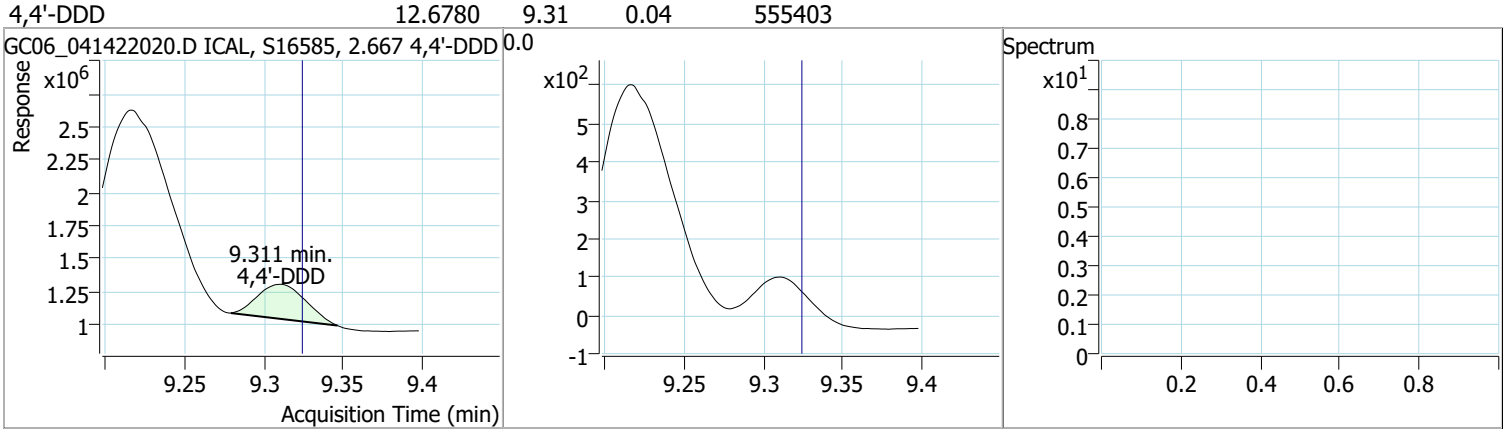
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	22.1957	8.84	0.02	4987733			



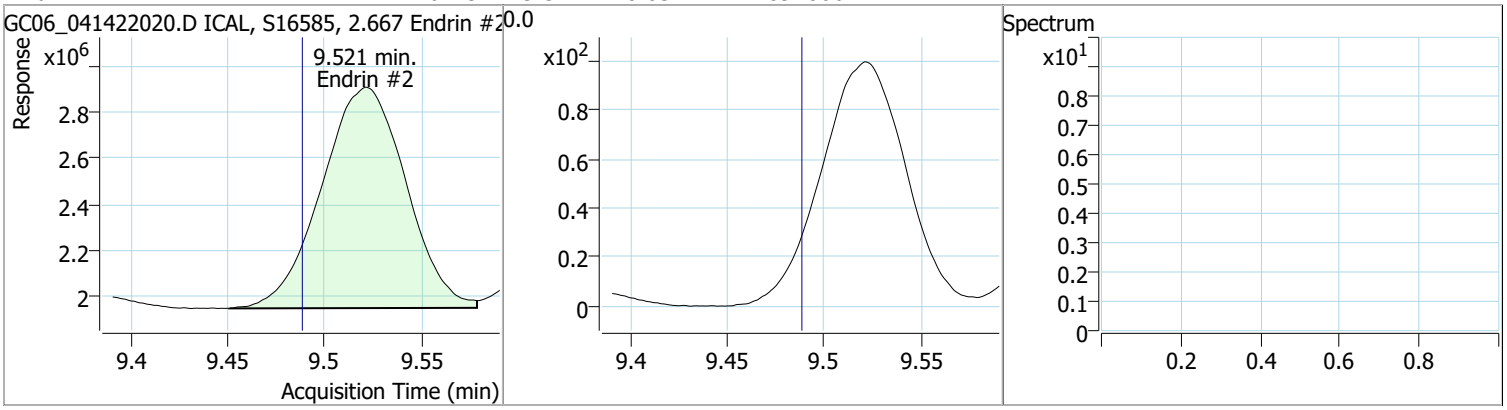
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	58.5715	9.22	0.09	5149660			



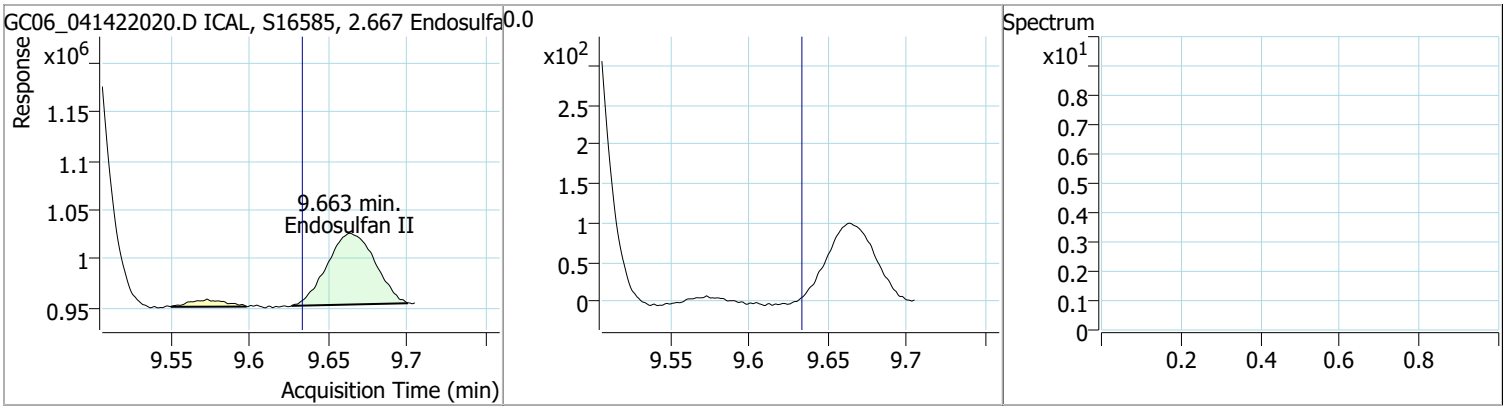
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	12.6780	9.31	0.04	555403			



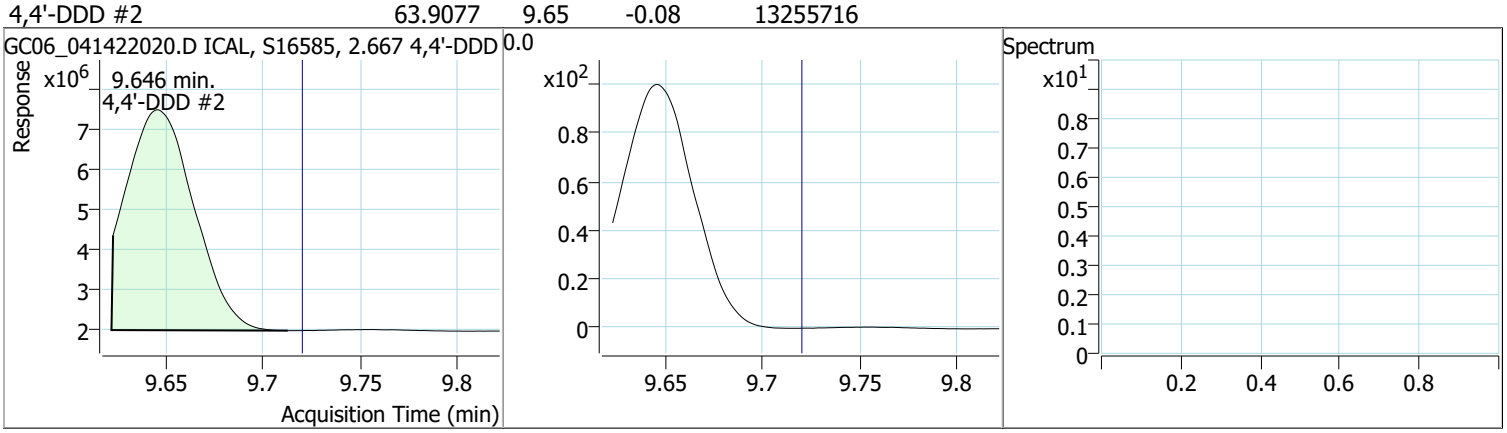
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endrin #2	14.6749	9.52	0.03	2892006		



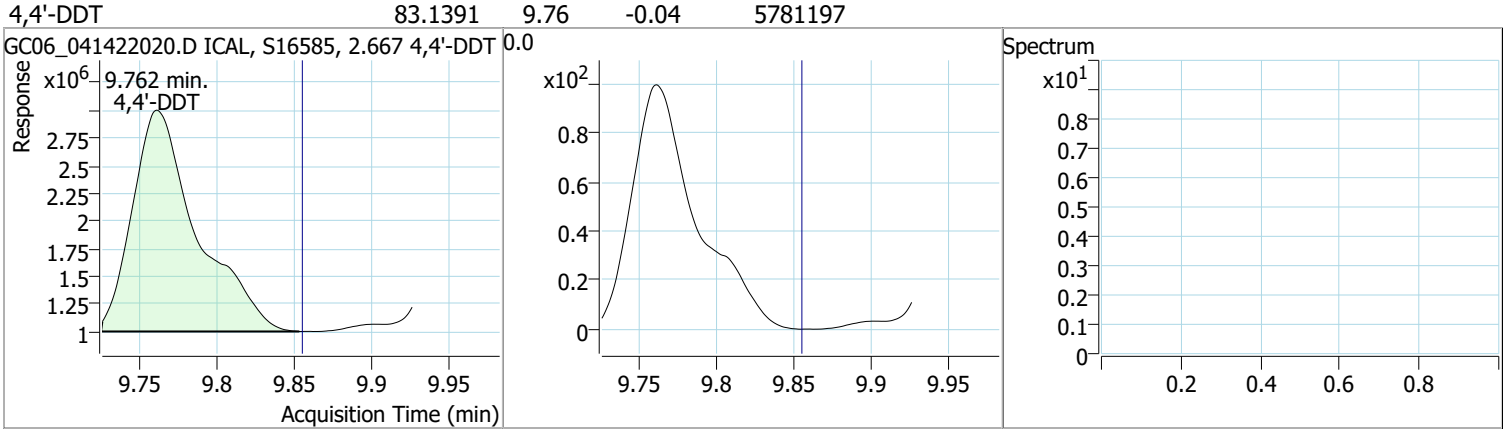
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	2.7932	9.66	0.08	154699		



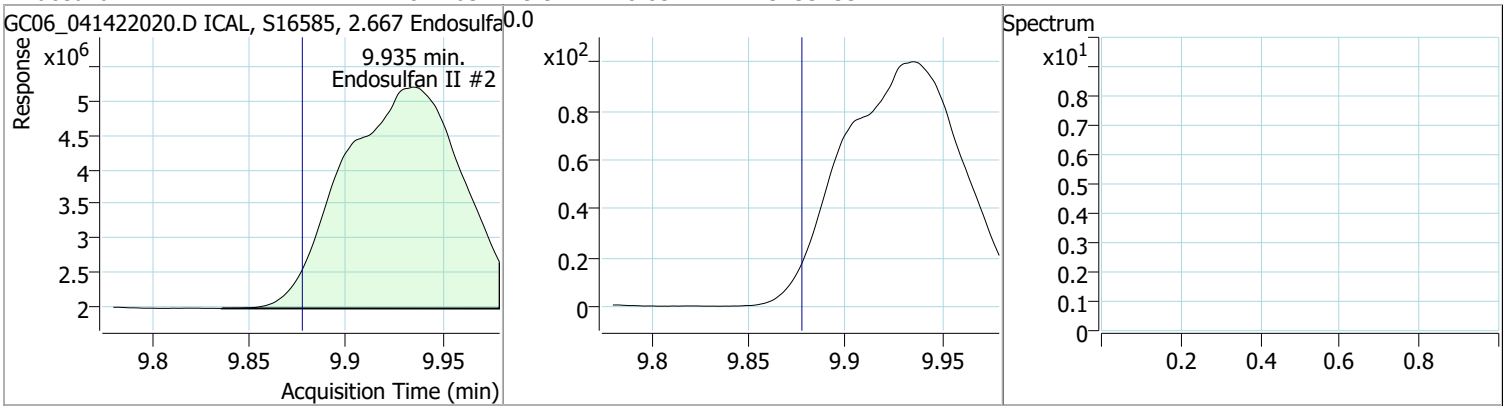
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	63.9077	9.65	-0.08	13255716		



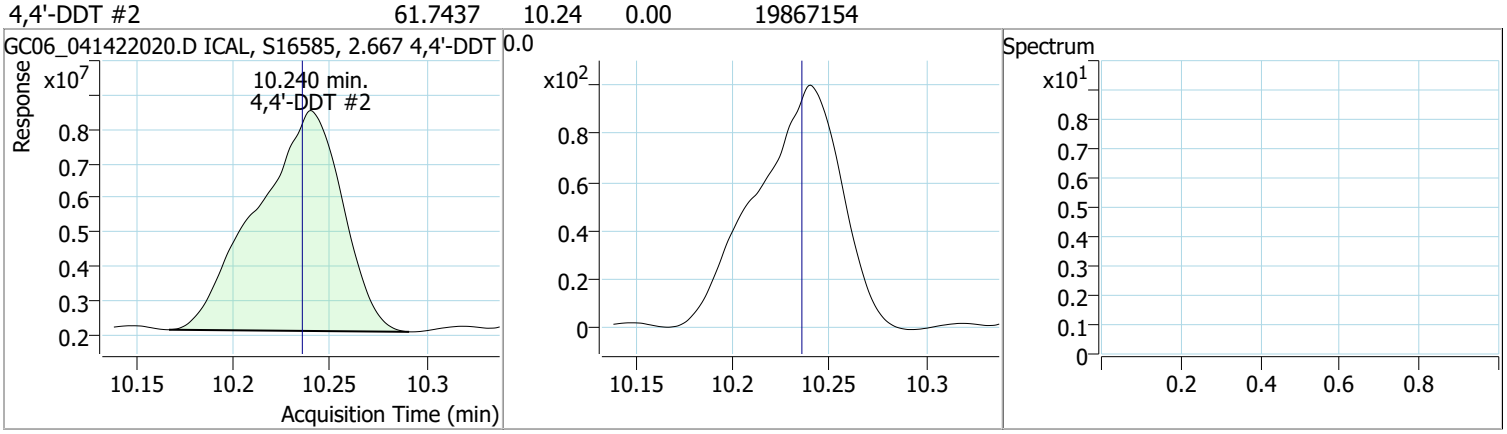
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	83.1391	9.76	-0.04	5781197		



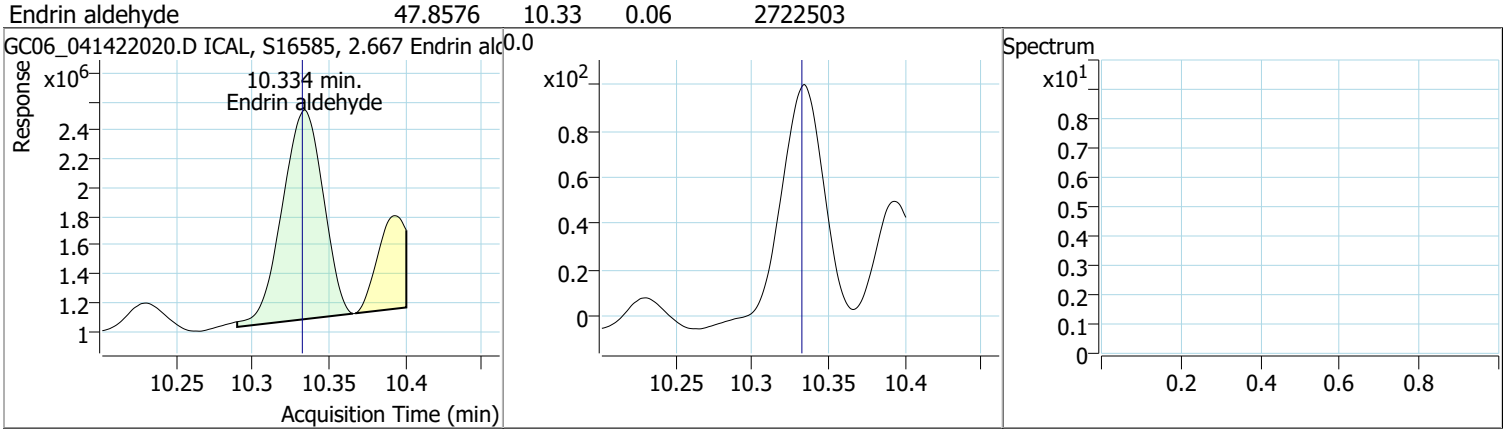
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	48.7765	9.94	0.05	13733433			



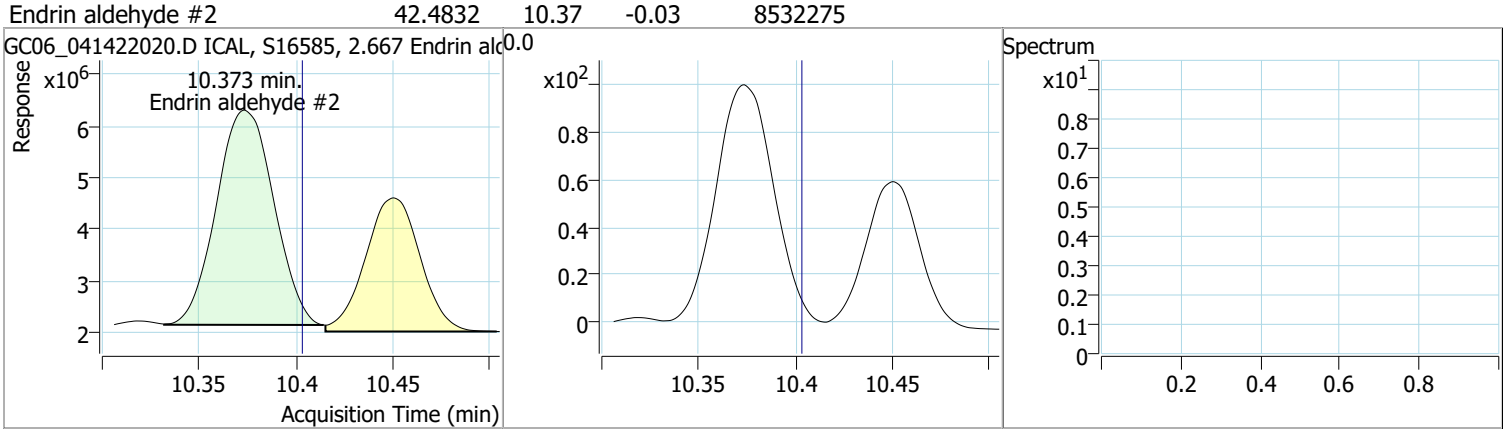
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	61.7437	10.24	0.00	19867154			



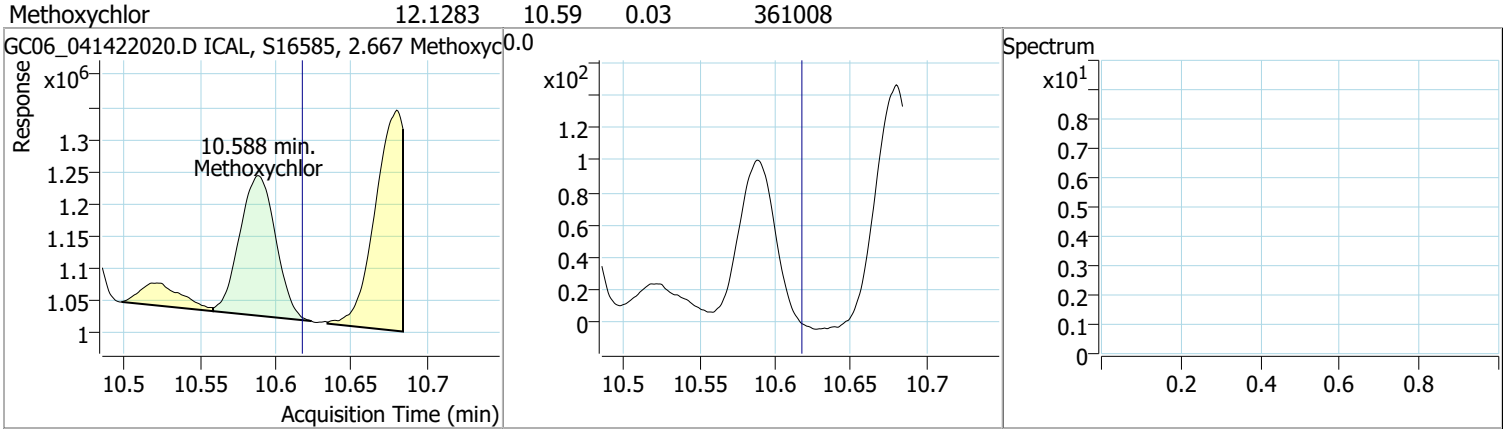
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	47.8576	10.33	0.06	2722503			



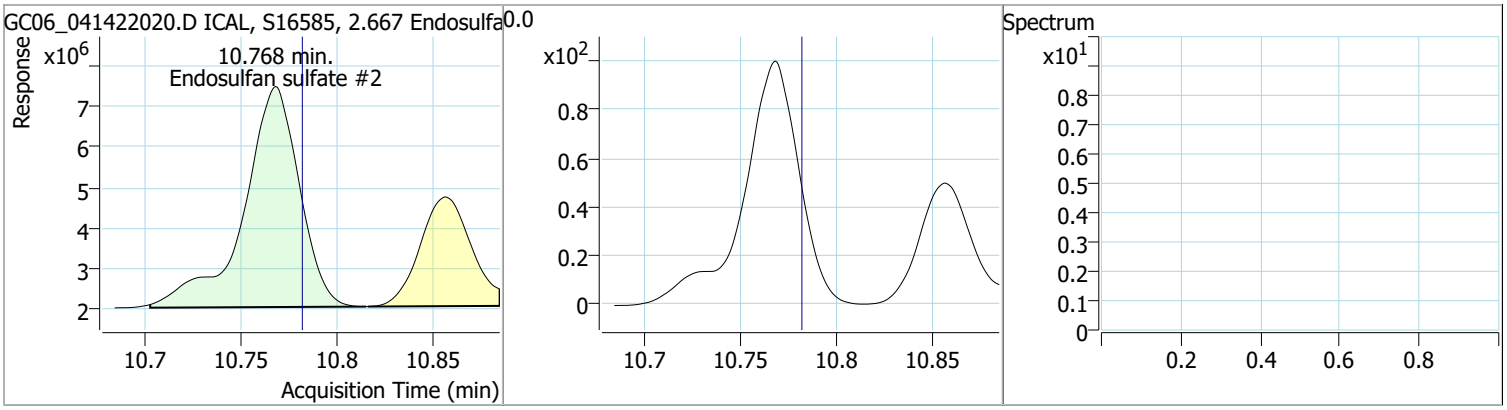
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	42.4832	10.37	-0.03	8532275			



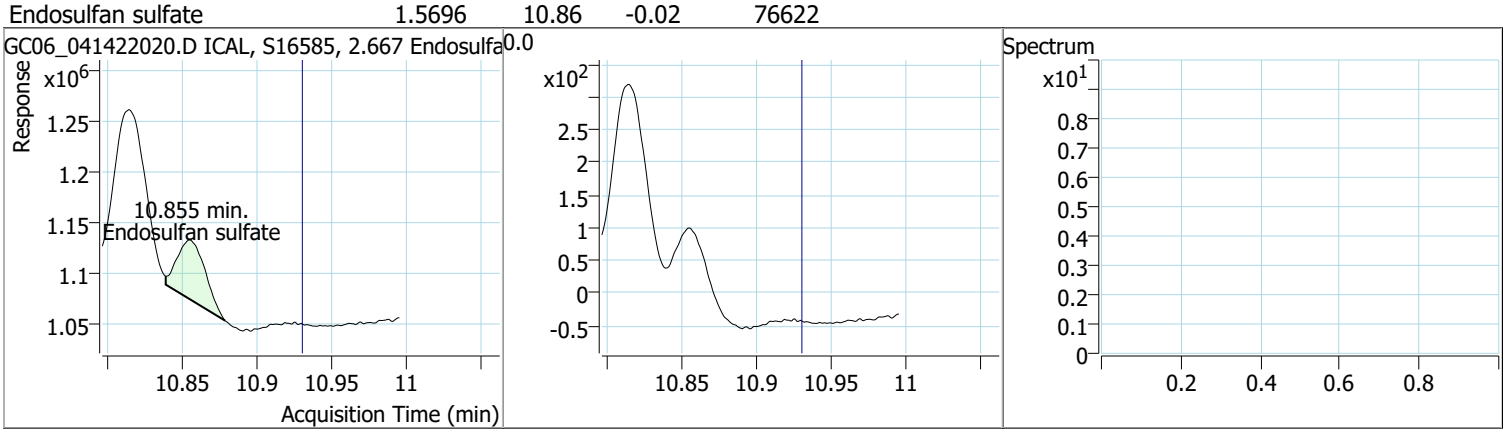
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	12.1283	10.59	0.03	361008			



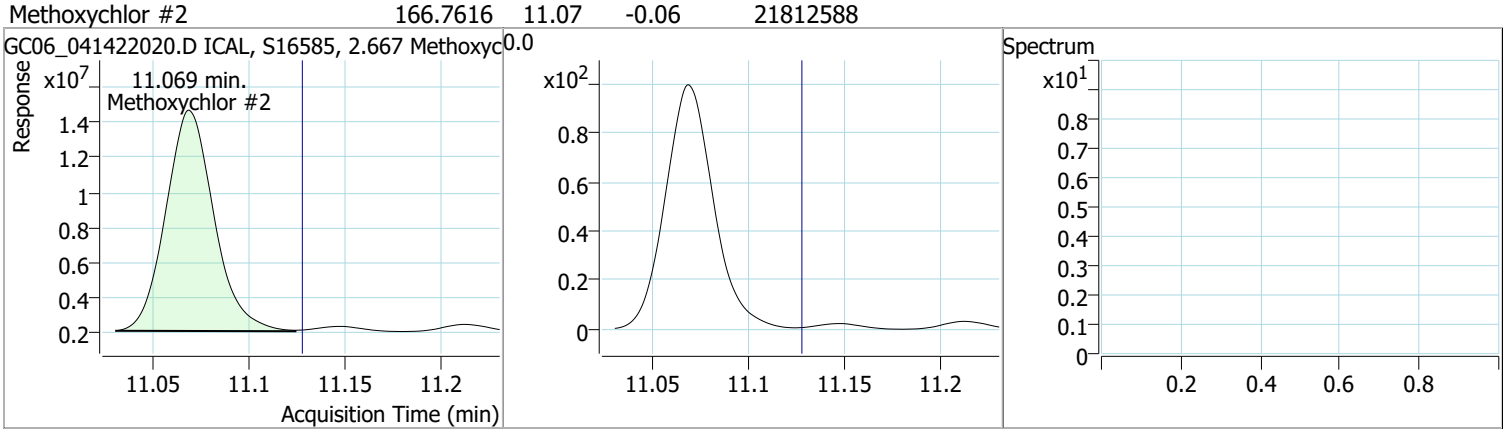
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	46.8221	10.77	-0.02	10983606			



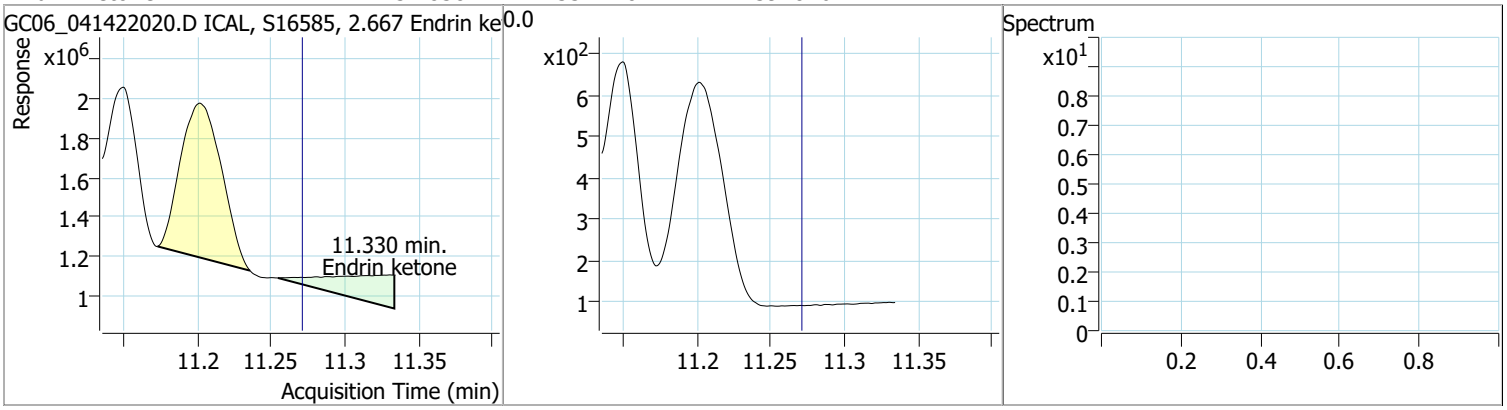
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	1.5696	10.86	-0.02	76622			



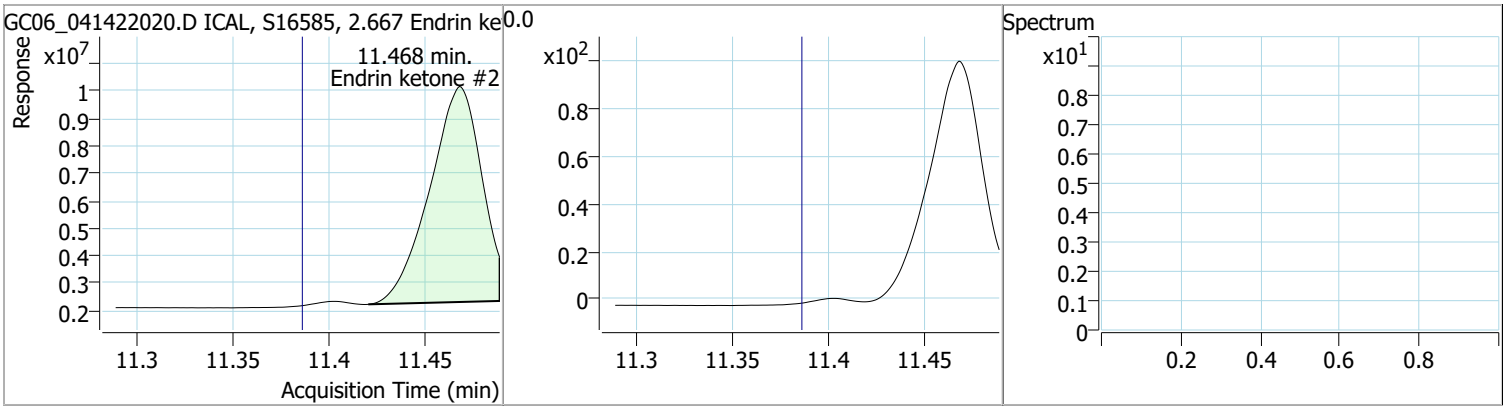
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	166.7616	11.07	-0.06	21812588			



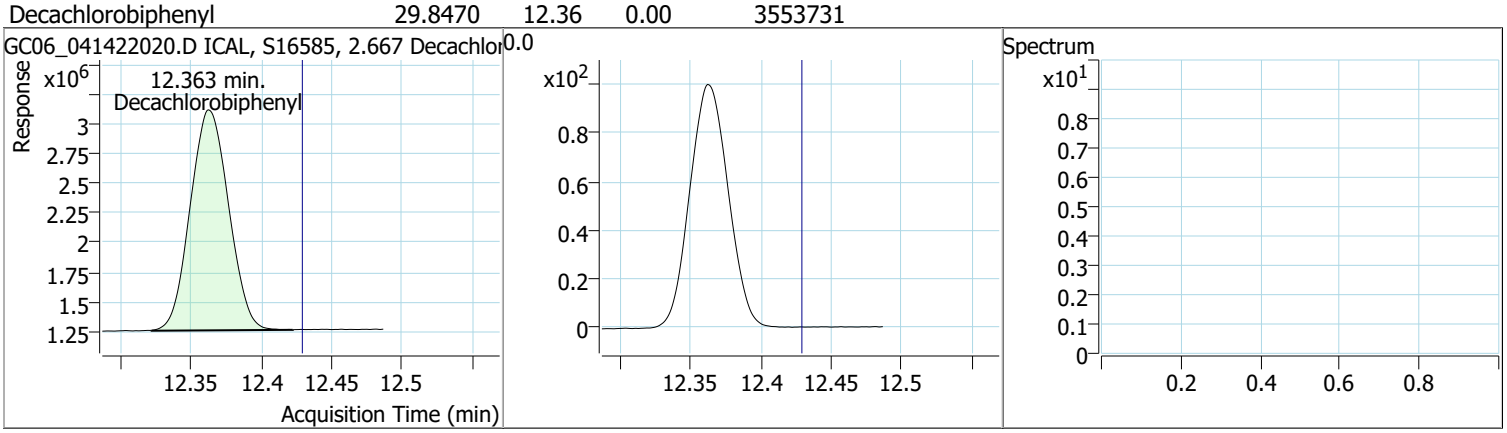
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	5.7838	11.33	0.12	397876			



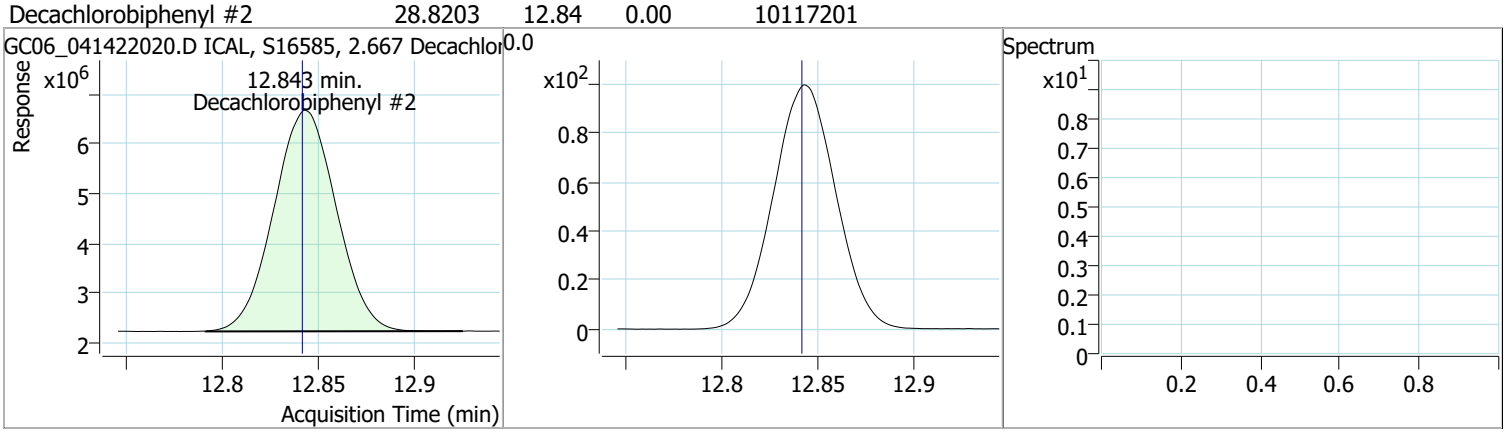
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	48.4077	11.47	0.08	14584668			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	29.8470	12.36	0.00	3553731			

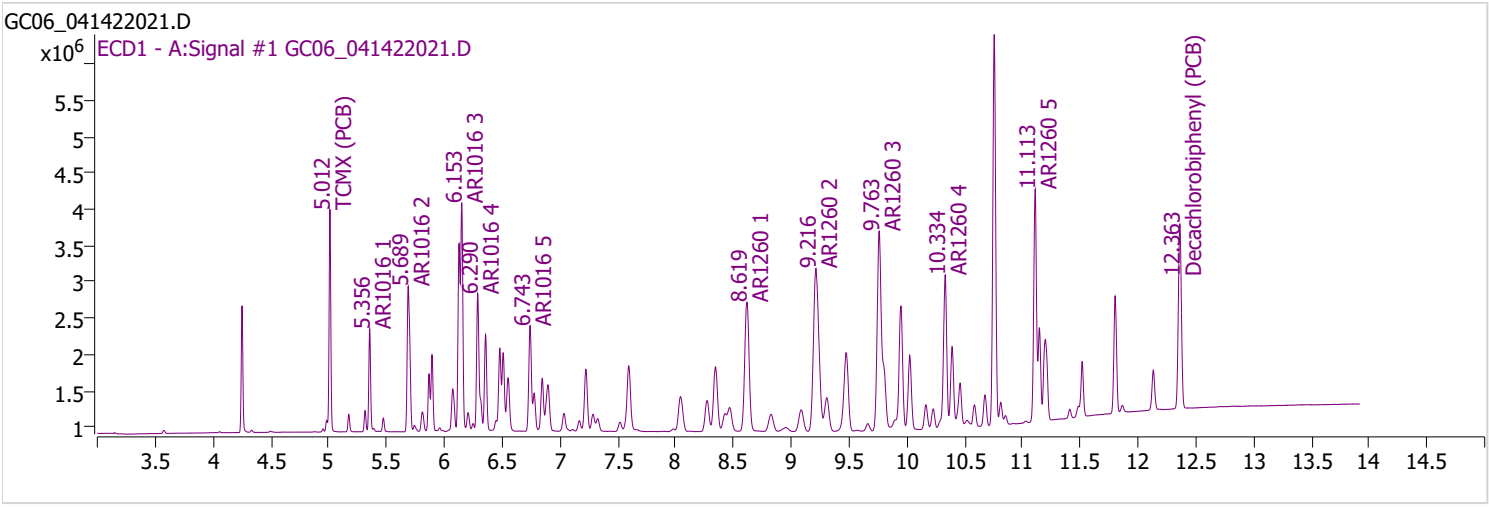


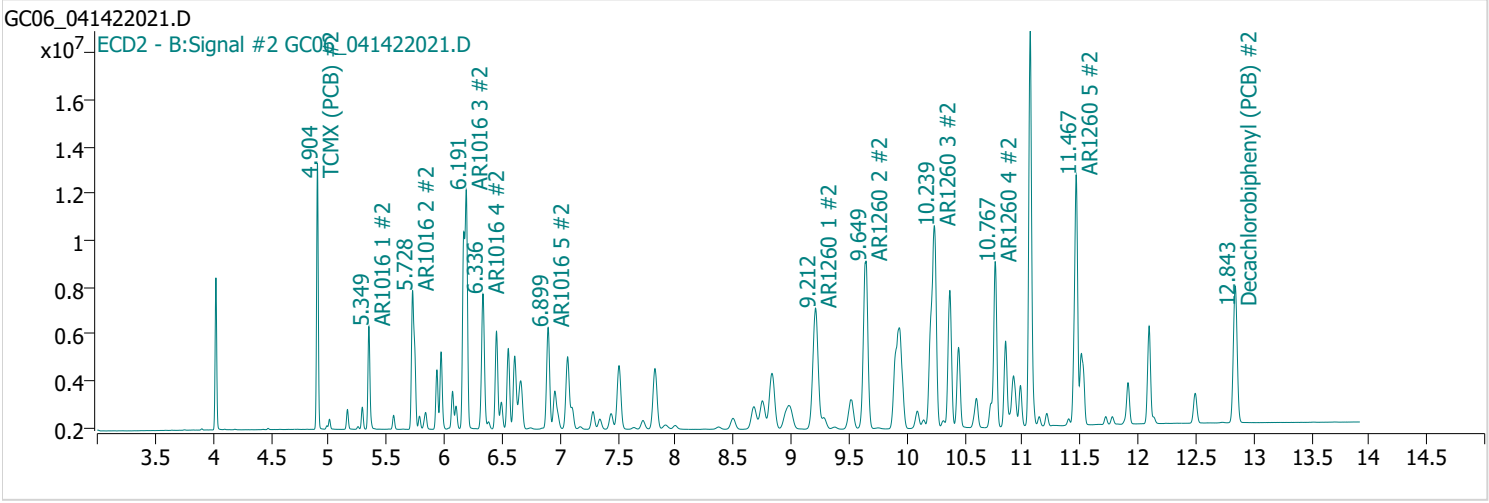
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	28.8203	12.84	0.00	10117201			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422021.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:26:46 PM
Sample Name	ICAL, S16585, 2	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 117	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



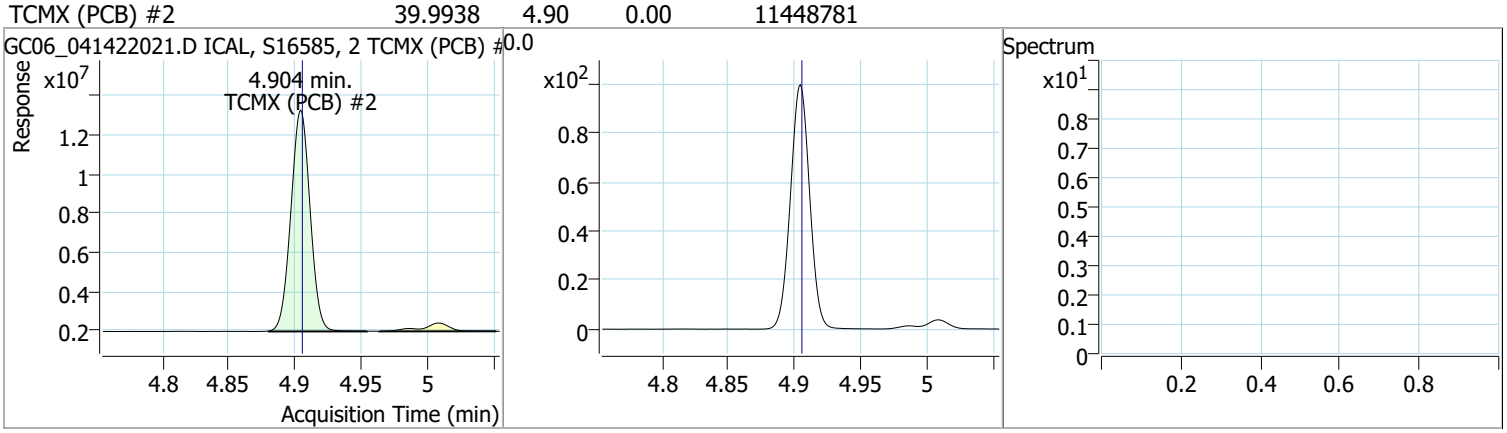


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.252	4.026	1726223	6249825	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.012	4.904	3158804	11448781	38.043	39.994	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	190.22% *	199.97% *	
S Decachlorobiphenyl (PCB)	12.363	12.843	4719394	13502951	35.957	35.805	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	179.78% *	179.02% *	
Target Compounds							
T AR1016 1	5.356	5.349	1559025	5412266	923.292	924.736	ng/ml
T AR1016 2	5.689	5.728	3283408	11352100	893.055	934.640	ng/ml
T AR1016 3	6.153	6.191	4098689	15182937 m	947.237	947.862	ng/ml
T AR1016 4	6.290	6.336	3006591	10164592	928.517	935.344	ng/ml
T AR1016 5	6.743	6.899	2288258	7985575	913.555	939.893	ng/ml
T AR1260 1	8.619	9.212	4769088	16601847 m	877.883	877.677	ng/ml
T AR1260 2	9.216	9.649	7387577	19464462	882.911	890.558	ng/ml
T AR1260 3	9.763	10.239	8027982 m	26860418	922.930	904.557	ng/ml
T AR1260 4	10.334	10.767	3879336	13727290	896.754	854.312	ng/ml

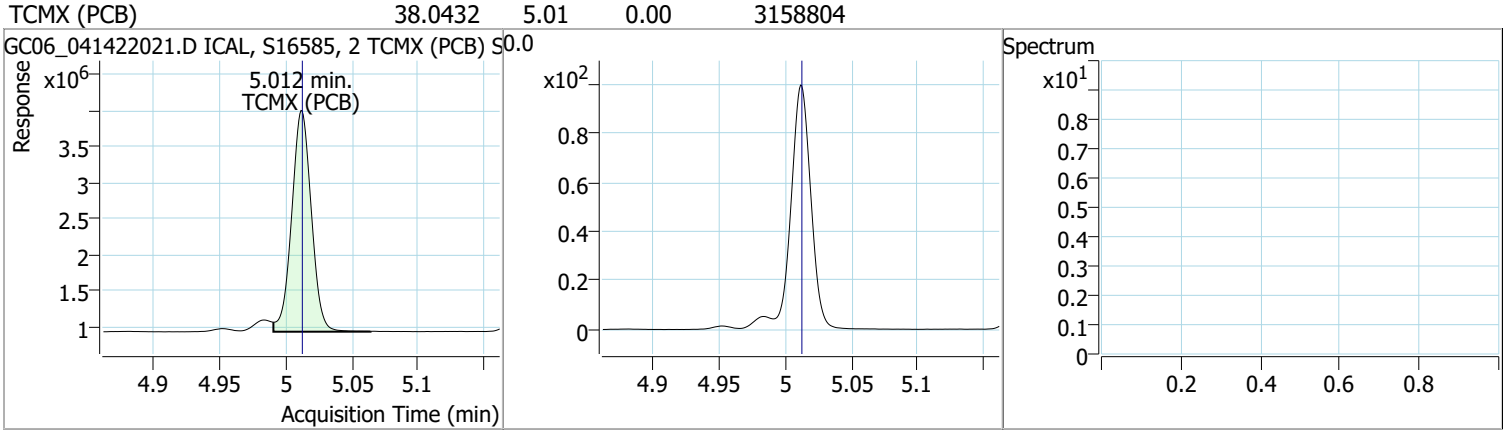
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.113	11.467	5329819	20928472	930.881	883.433	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

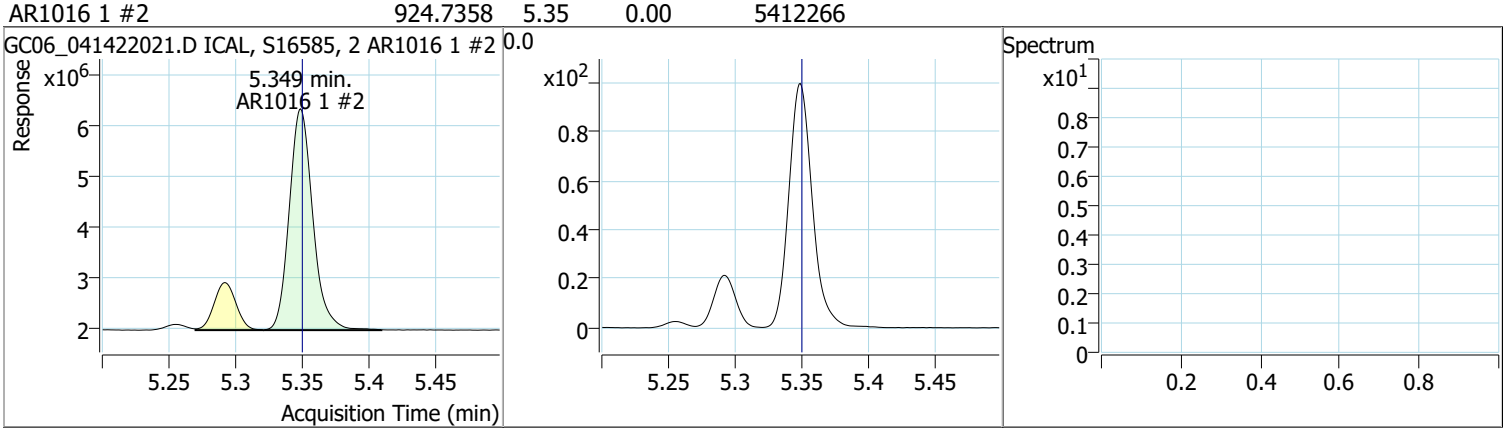
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	39.9938	4.90	0.00	11448781			



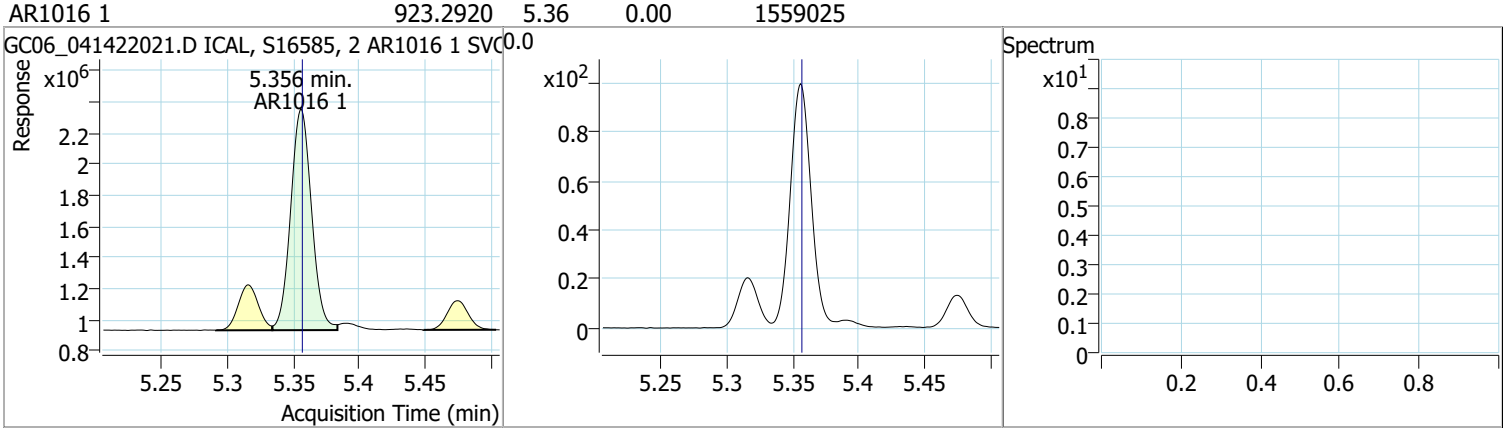
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	38.0432	5.01	0.00	3158804			



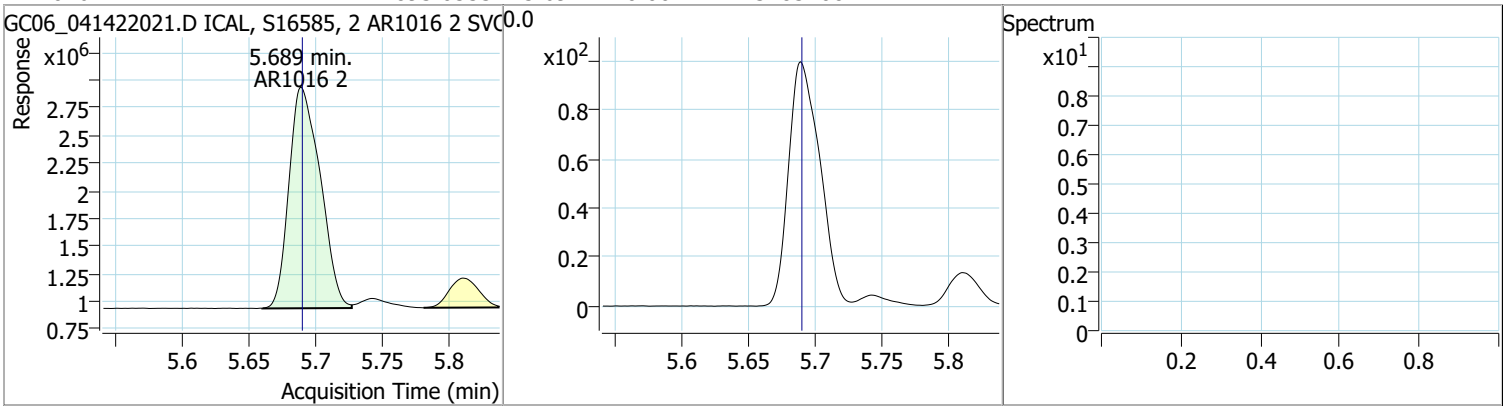
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	924.7358	5.35	0.00	5412266			



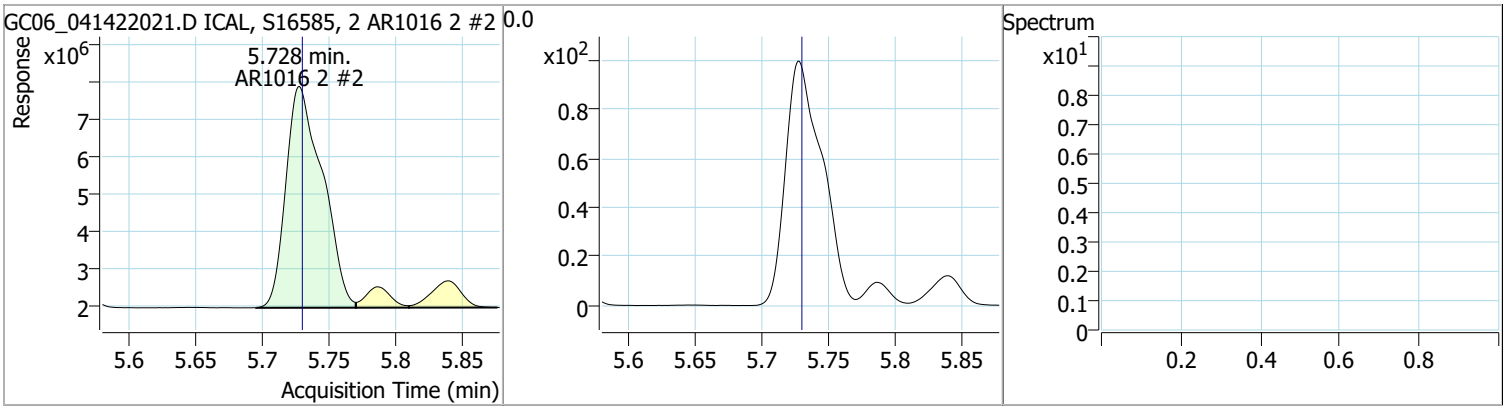
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	923.2920	5.36	0.00	1559025			



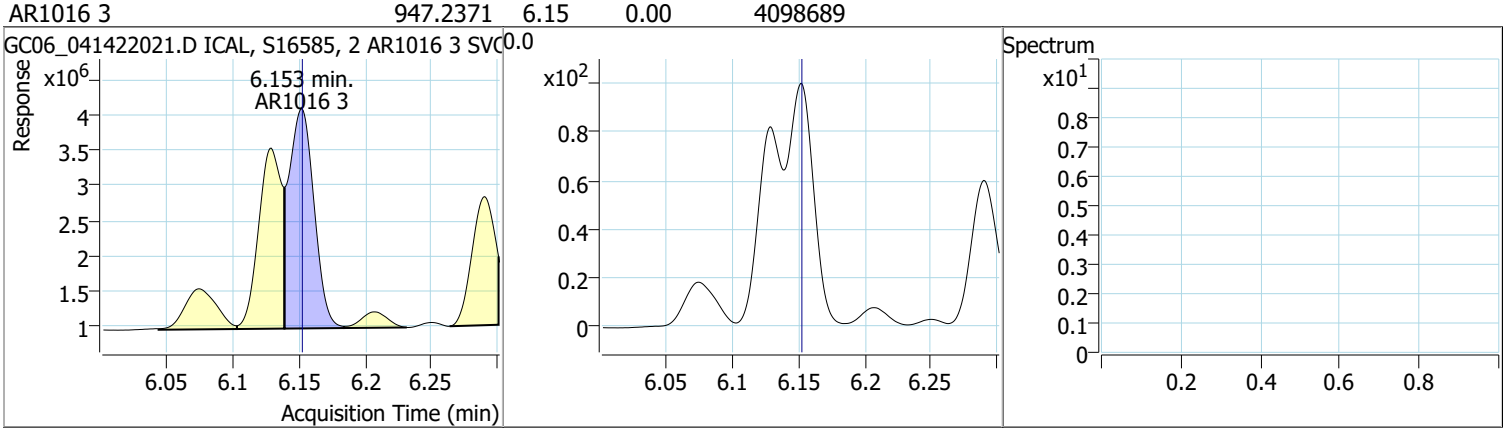
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	893.0553	5.69	0.00	3283408			



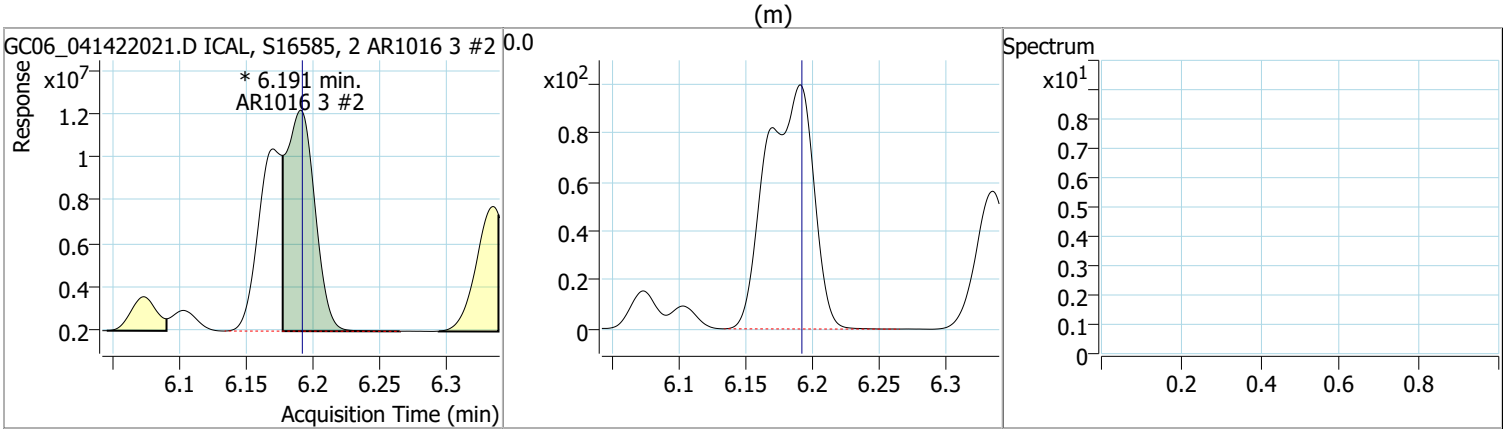
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	934.6403	5.73	0.00	11352100			



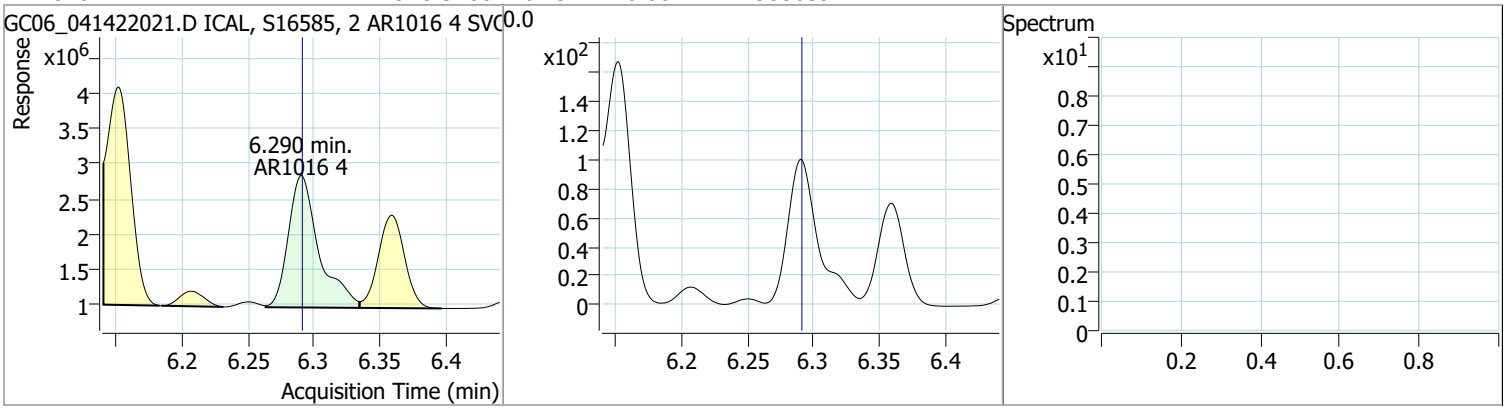
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	947.2371	6.15	0.00	4098689			



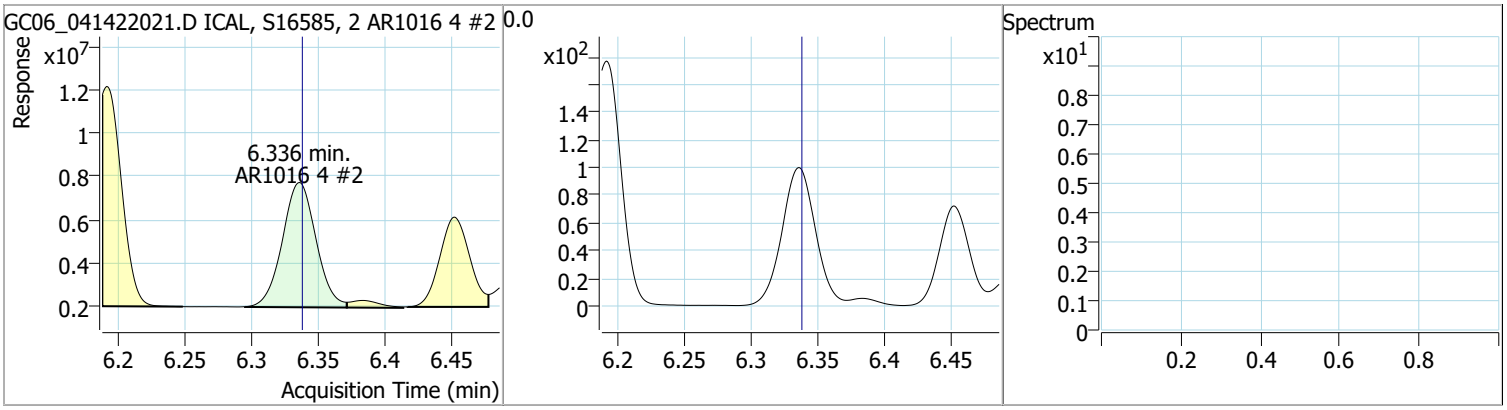
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	947.8618	6.19	0.00	15182937 (m)			



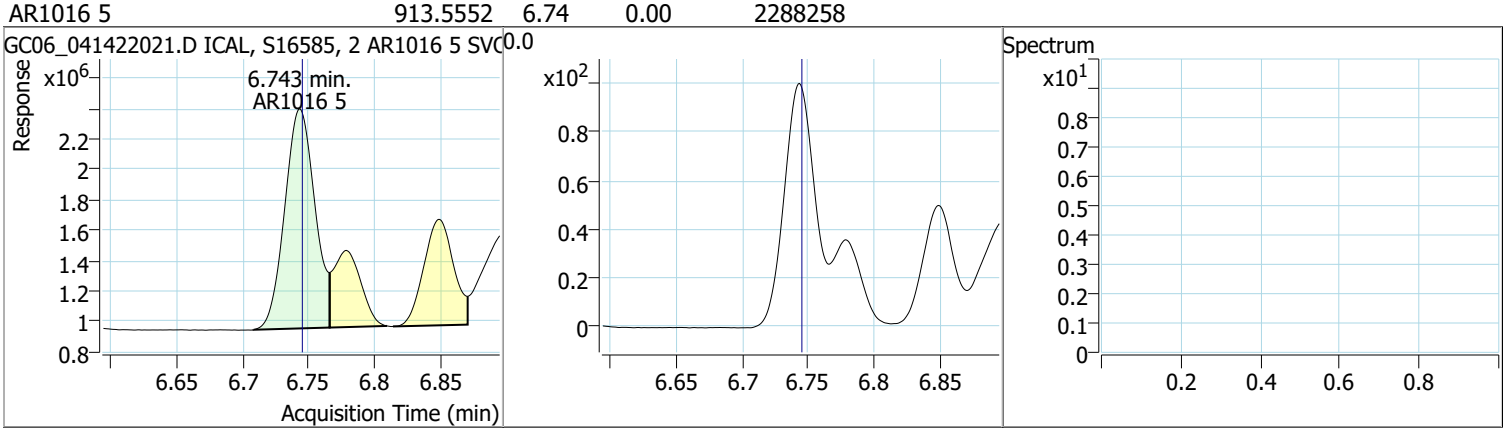
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	928.5168	6.29	0.00	3006591			



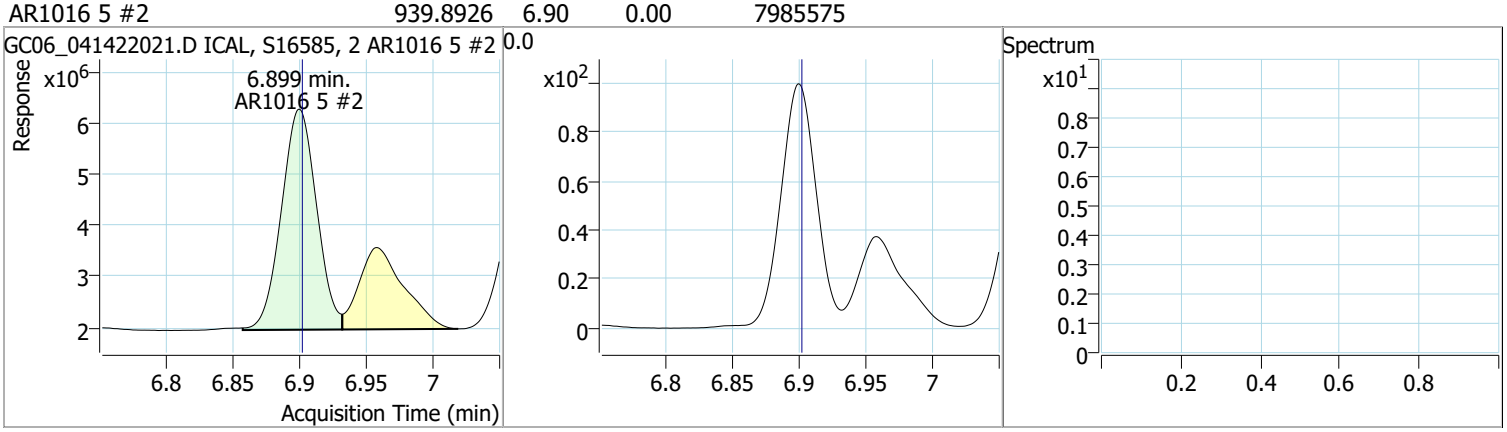
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	935.3441	6.34	0.00	10164592			



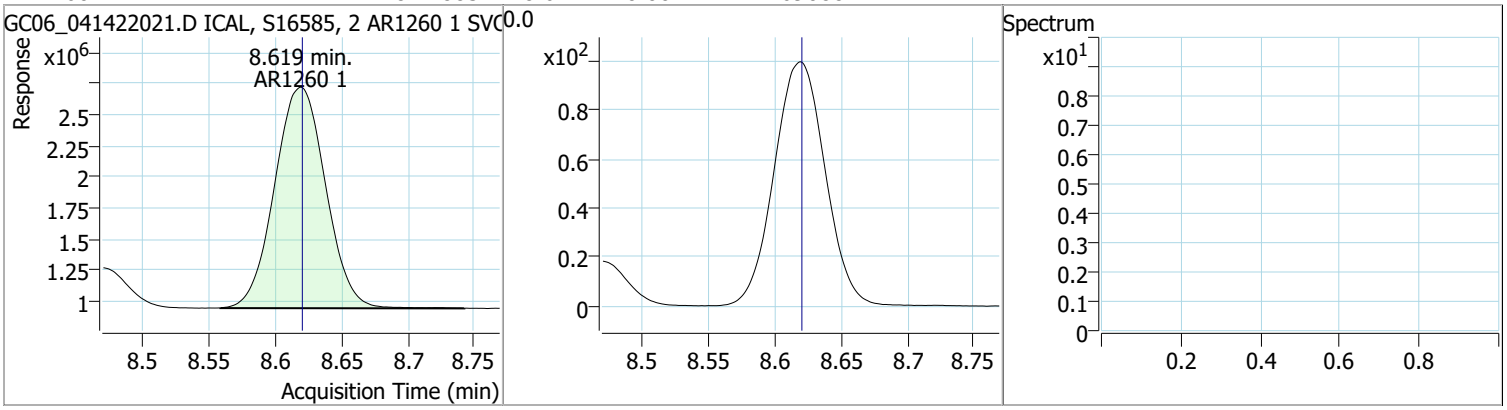
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	913.5552	6.74	0.00	2288258			



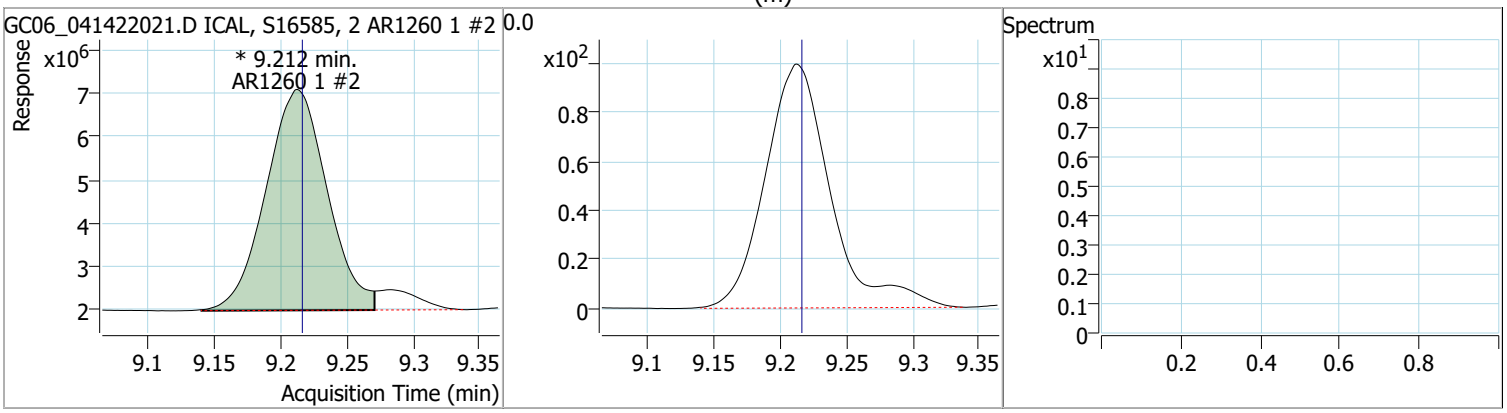
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	939.8926	6.90	0.00	7985575			



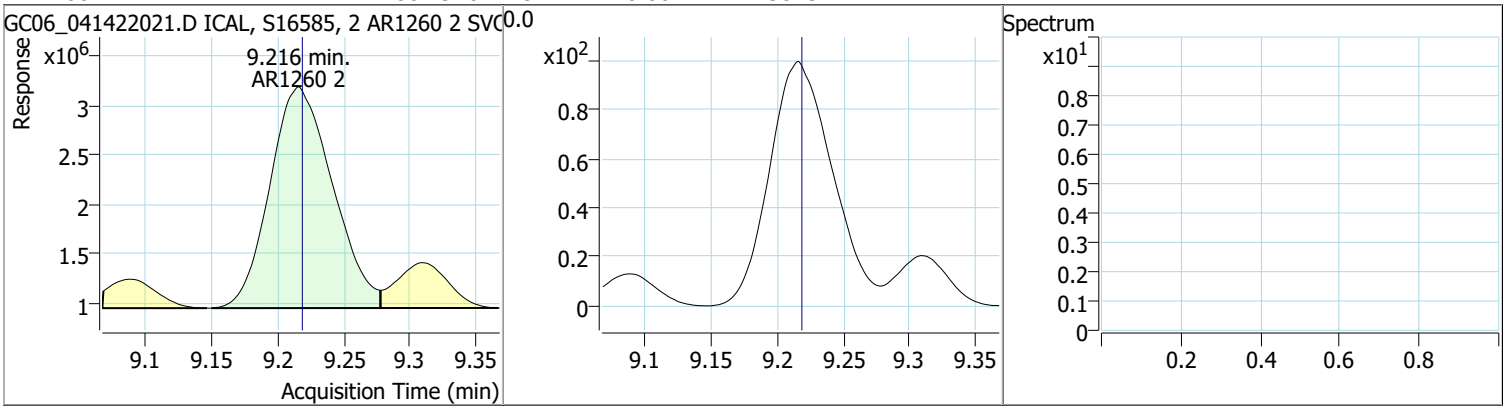
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	877.8831	8.62	0.00	4769088			



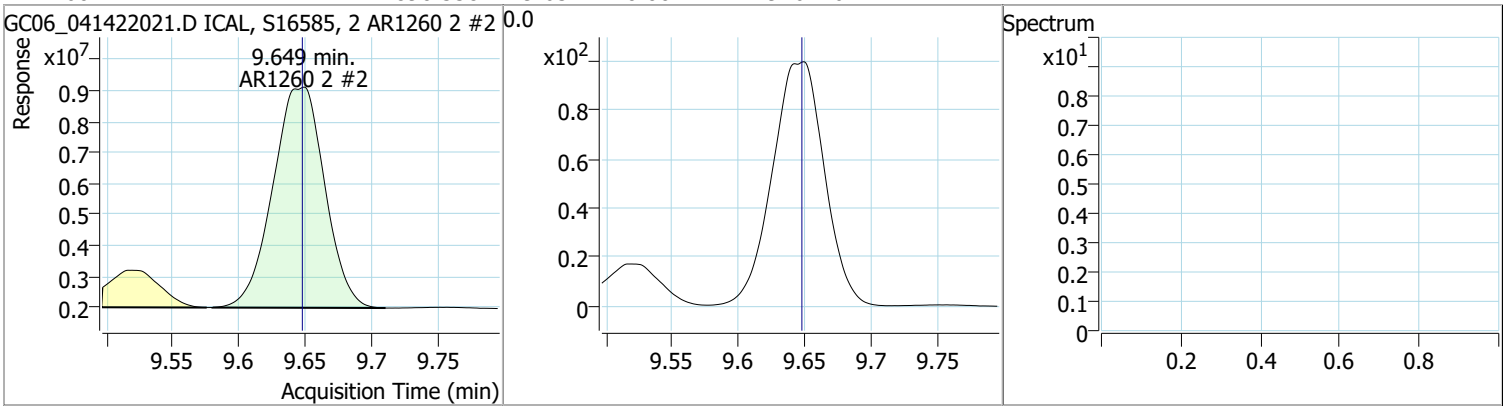
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	877.6771	9.21	0.00	16601847 (m)			



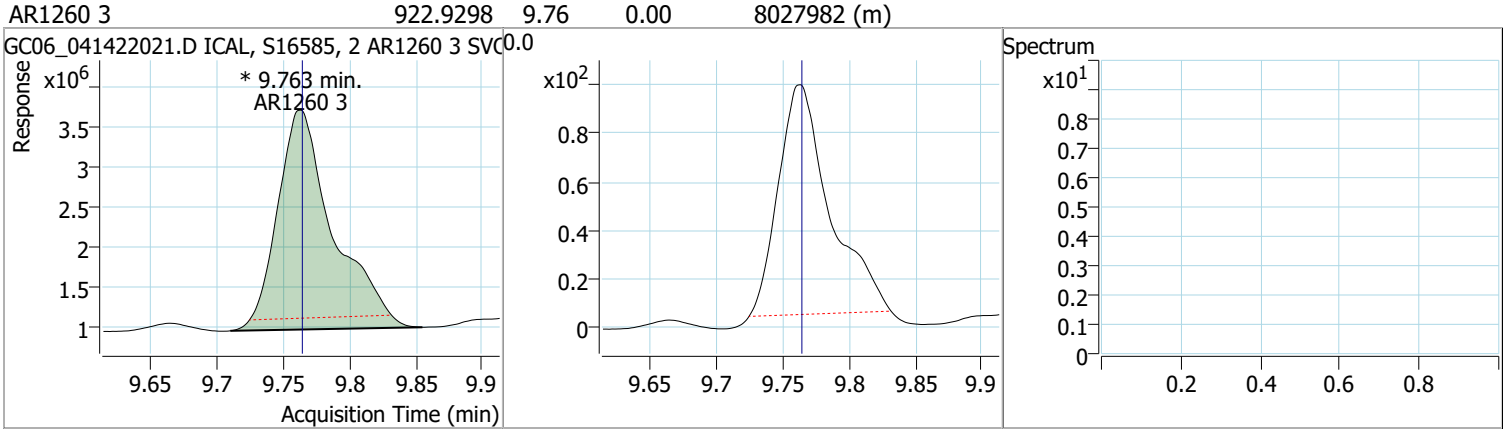
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	882.9107	9.22	0.00	7387577			



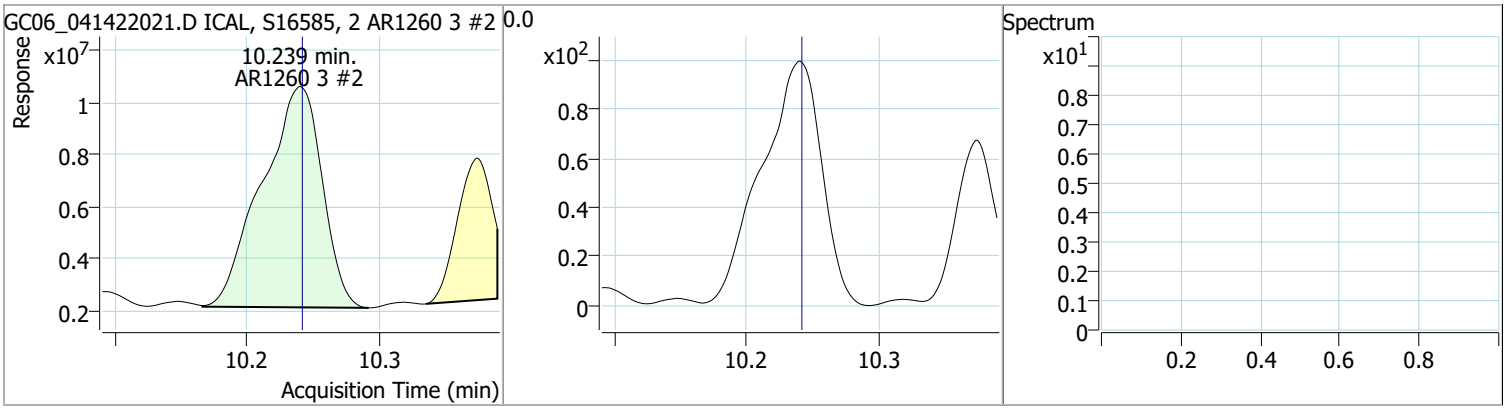
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	890.5584	9.65	0.00	19464462			



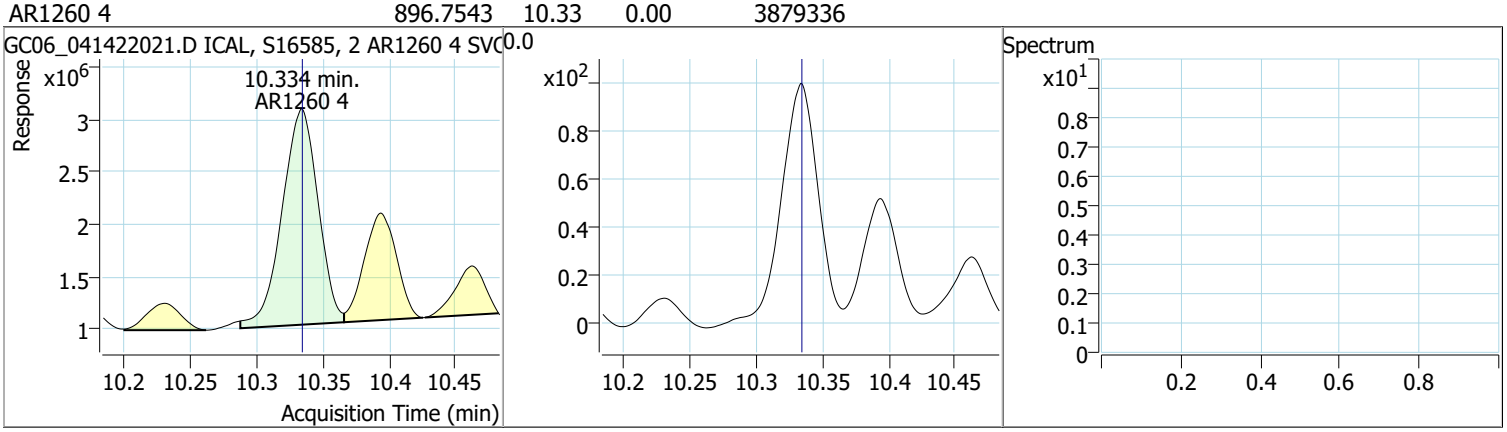
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	922.9298	9.76	0.00	8027982 (m)			



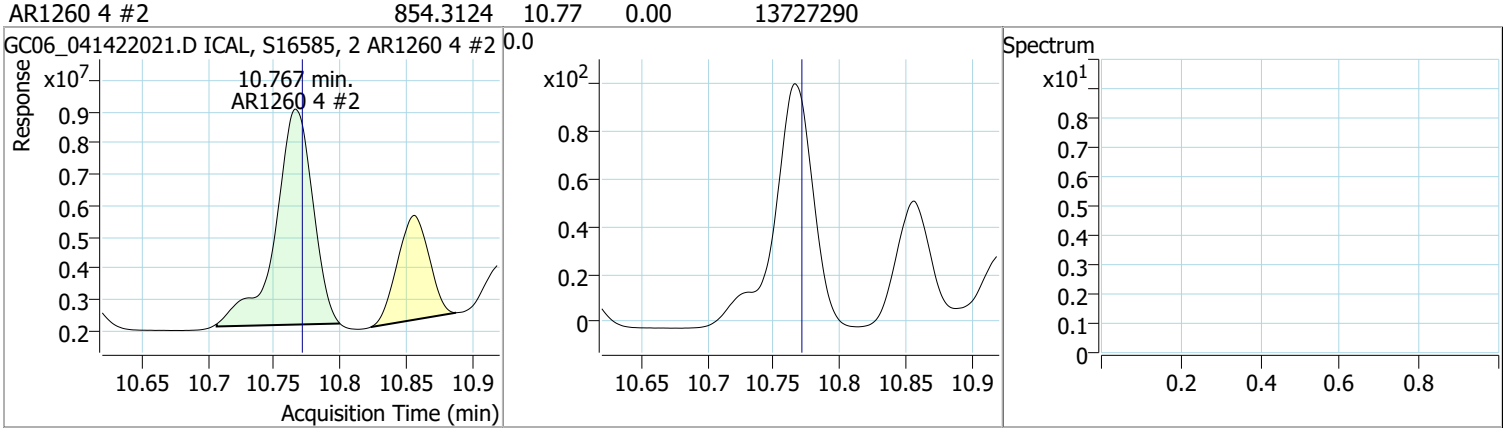
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	904.5572	10.24	0.00	26860418			



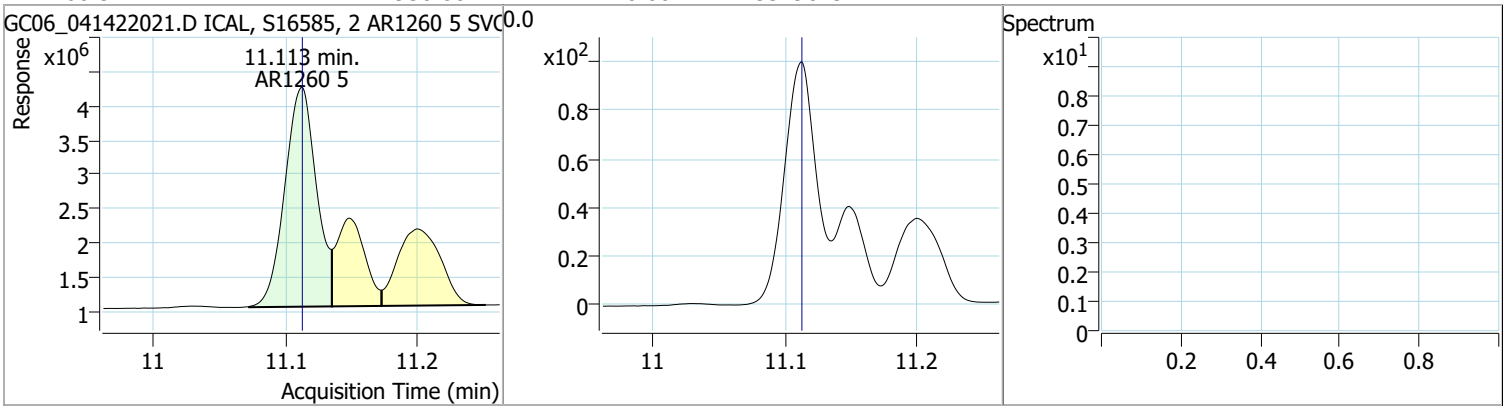
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	896.7543	10.33	0.00	3879336			



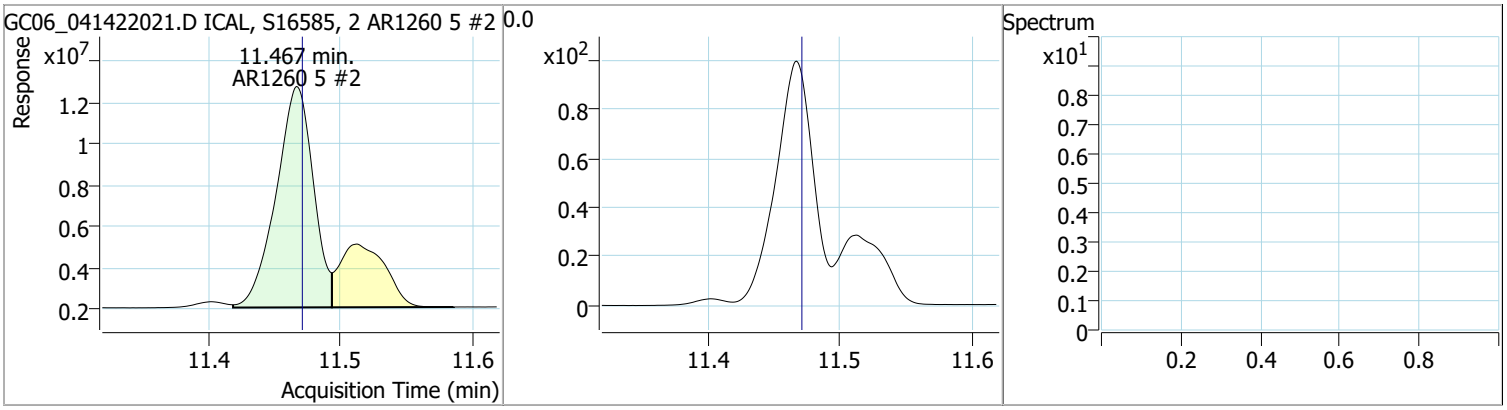
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	854.3124	10.77	0.00	13727290			



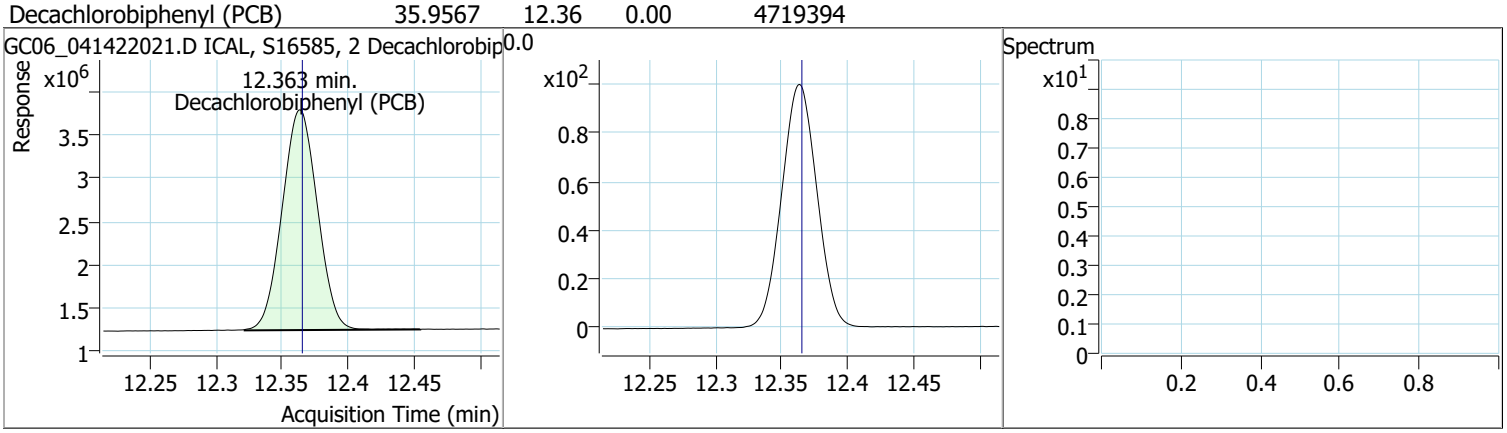
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	930.8812	11.11	0.00	5329819			



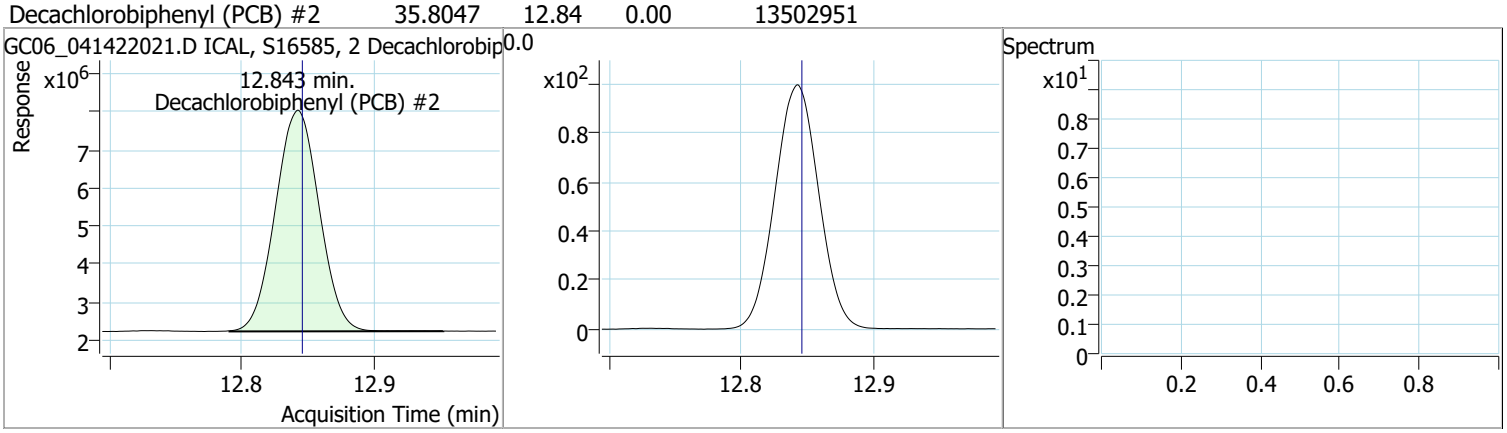
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	883.4334	11.47	0.00	20928472			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	35.9567	12.36	0.00	4719394			

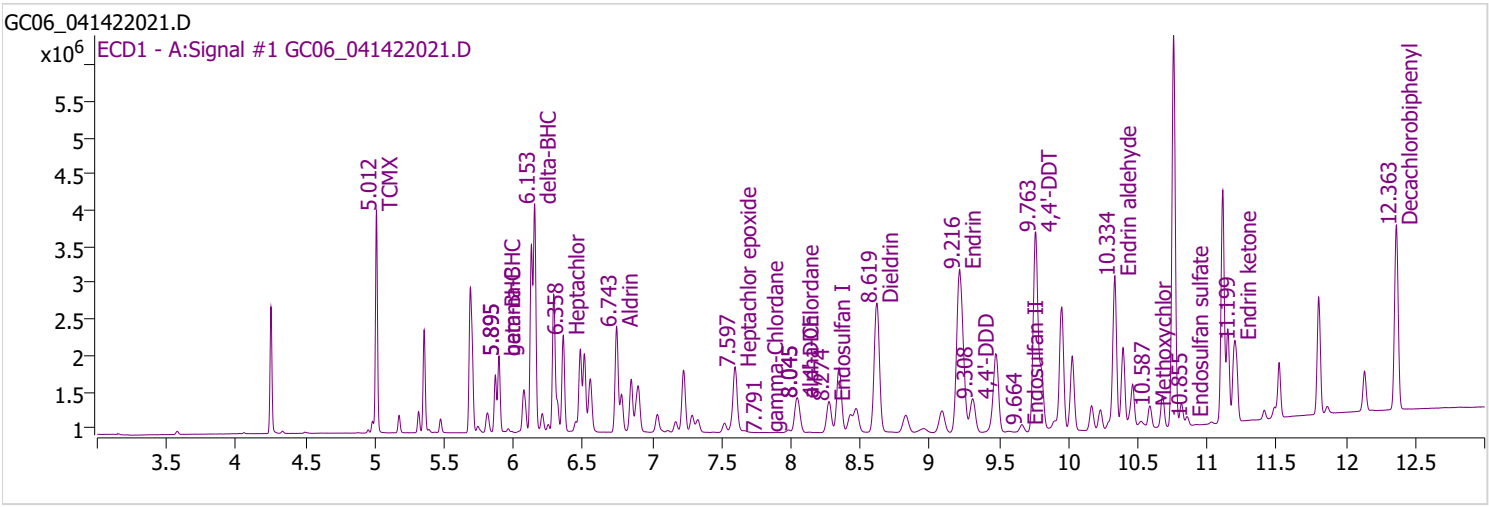


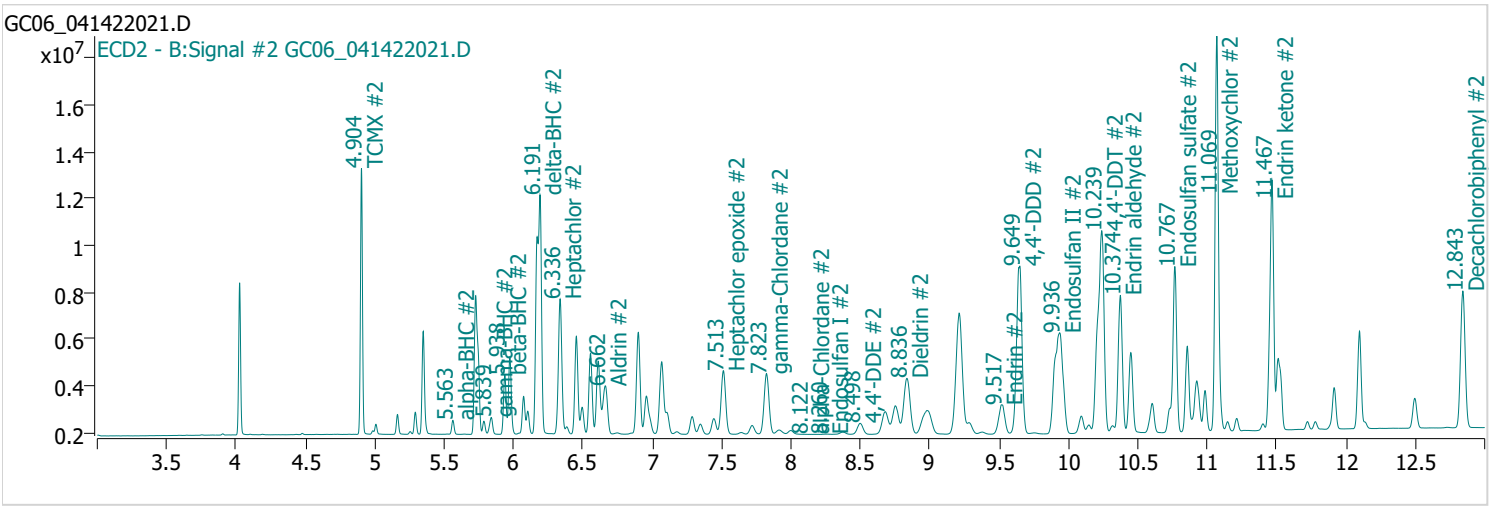
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	35.8047	12.84	0.00	13502951			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422021.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:26:46 PM
Sample Name	ICAL, S16585, 2	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 117	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 8:41:01 PM



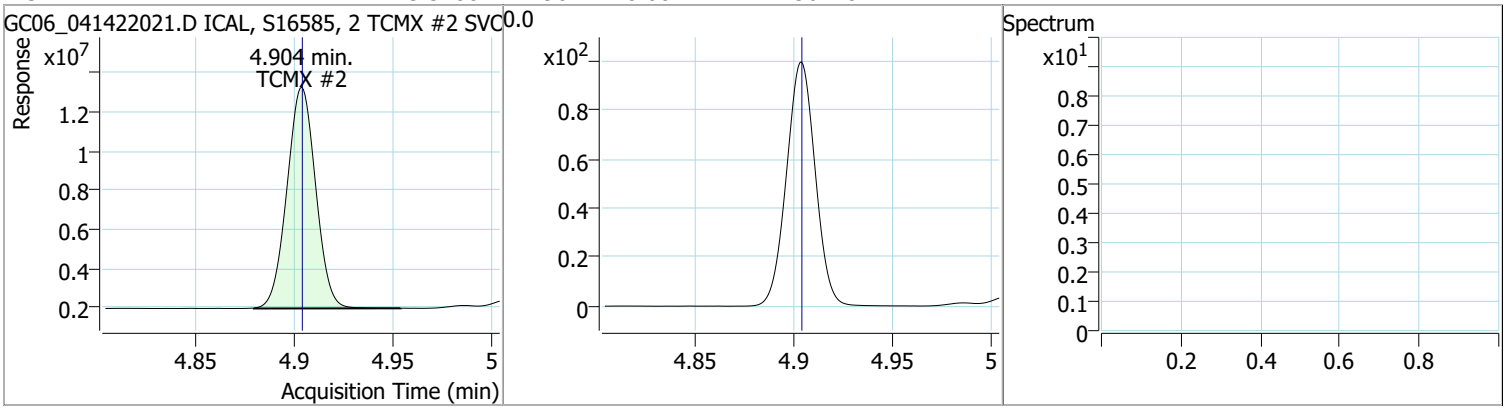


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.252	4.026	1705220	6237320	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.012	4.904	3158750	11436748	43.261	45.379	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	216.31% *	226.89% *	
S Decachlorobiphenyl	12.363	12.843	4708900	13481222	42.652	40.727	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	213.26% *	203.63% *	
Target Compounds							
T alpha-BHC	----	5.563 f	0	677720	N.D.	3.259 #	ng/ml
T gamma-BHC	5.895	5.839	1258227	1016202	19.400	4.801 #	ng/ml
T beta-BHC	5.895	5.938	1248074	3295961	36.476	25.558 #	ng/ml
T delta-BHC	6.153	6.191	4030553	25296848	43.626	54.949 #	ng/ml
T Heptachlor	6.358	6.336	1644144	10093516	23.861	33.141 #	ng/ml
T Aldrin	6.743	6.662 f	2292942	4639458	30.597	20.409 #	ng/ml
T Heptachlor epoxide	7.597	7.513	1939346	5680328	27.101	23.252	ng/ml
T gamma-Chlordane	7.791	7.823	1248	6263878	0.024	23.585 #	ng/ml
T alpha-Chlordane	8.045	8.122	784249	670	13.887	0.004 #	ng/ml

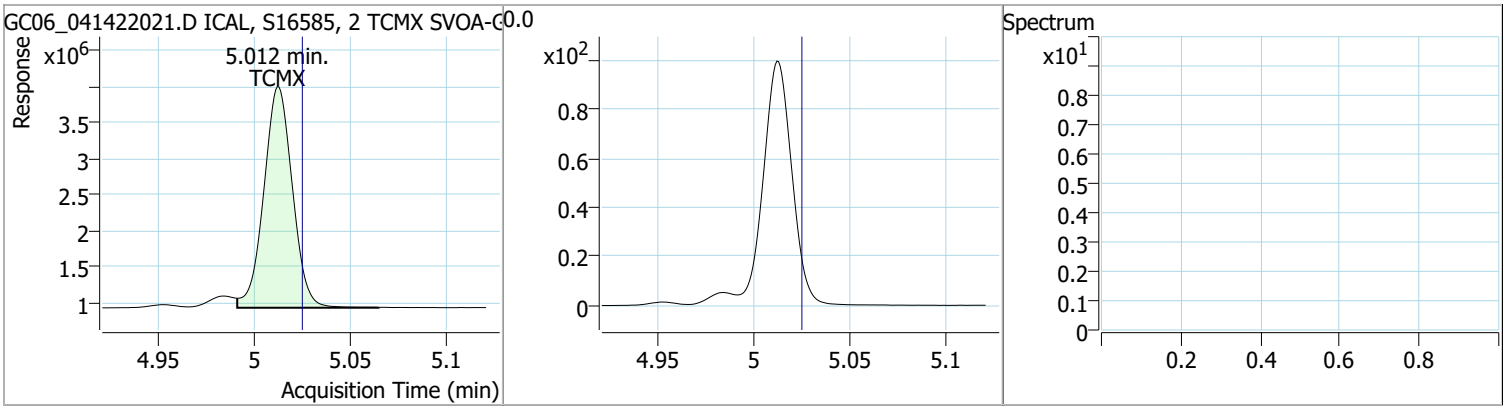
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.274	8.260	987150	29273	18.316	0.170 #	ng/ml
T 4,4'-DDE	8.045	8.498 f	1192619	1323530	21.697	7.827 #	ng/ml
T Dieldrin	8.619	8.836	4757019	6645238	62.667	31.893 #	ng/ml
T Endrin	9.216	9.517	6874073	3668606	83.813	20.156 #	ng/ml
T 4,4'-DDD	9.308	9.649 f	721711	17662285	18.058	90.039 #	ng/ml
T Endosulfan II	9.664	9.936 f	211278	18596498	4.222	70.312 #	ng/ml
T 4,4'-DDT	9.763	10.239	7825709	26703508	119.179	87.819 #	ng/ml
T Endrin aldehyde	10.334	10.374	3615488	11626546	68.488	61.806	ng/ml
T Endosulfan sulfate	10.855	10.767	106741	14667492	2.409	66.646 #	ng/ml
T Methoxychlor	10.587	11.069 f	491010	29283753	18.261	240.145 #	ng/ml
T Endrin ketone	11.199	11.467 f	1997888	19548666	31.690	69.601 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

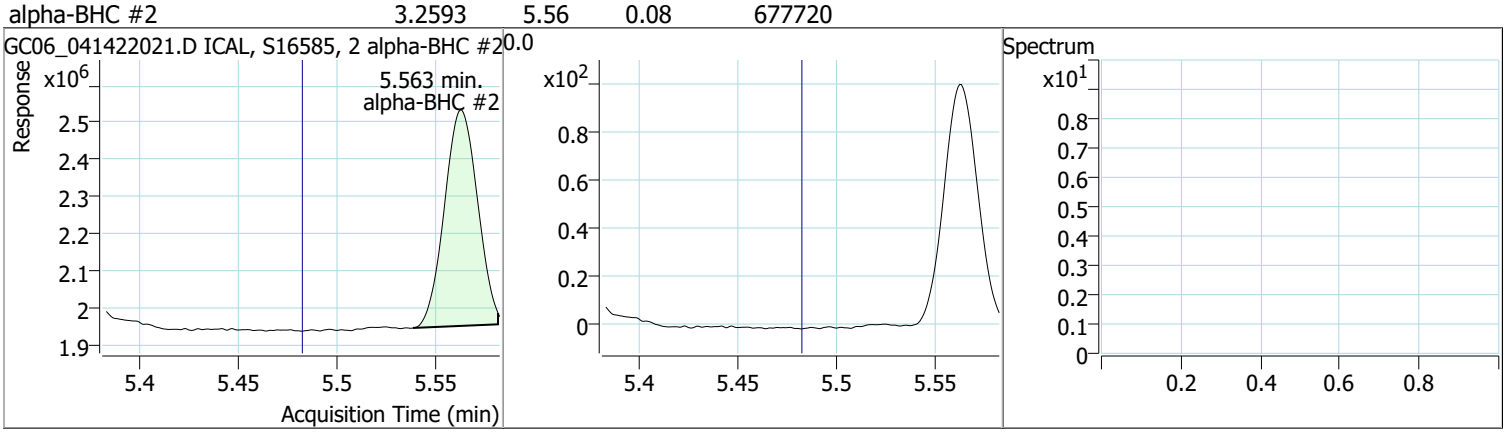
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	45.3788	4.90	0.00	11436748			



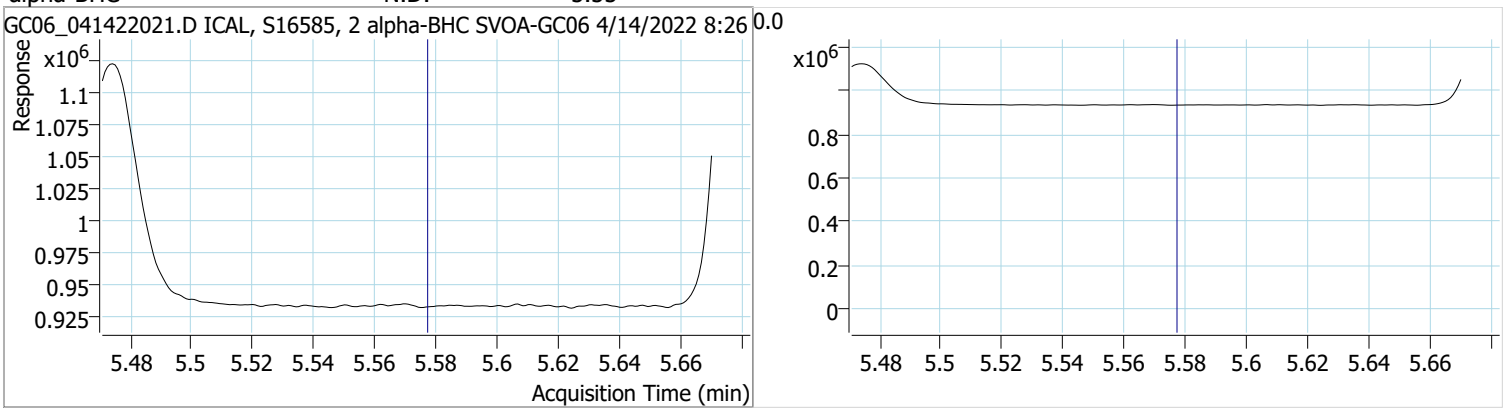
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	43.2613	5.01	0.01	3158750			



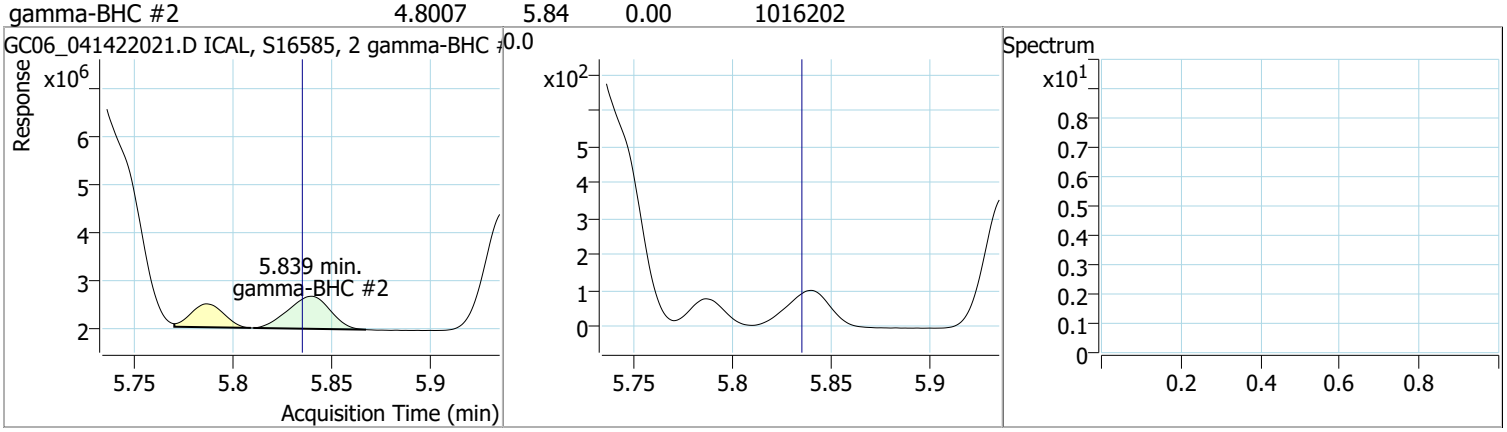
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	3.2593	5.56	0.08	677720			



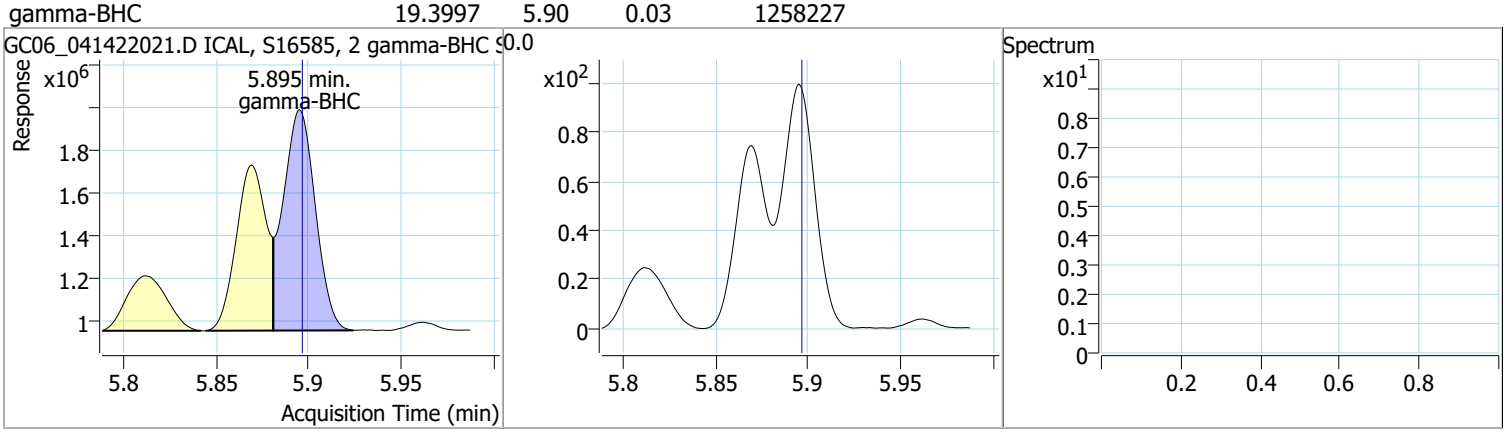
Compound	Conc.		Exp Ratio
alpha-BHC	N.D.	5.55	



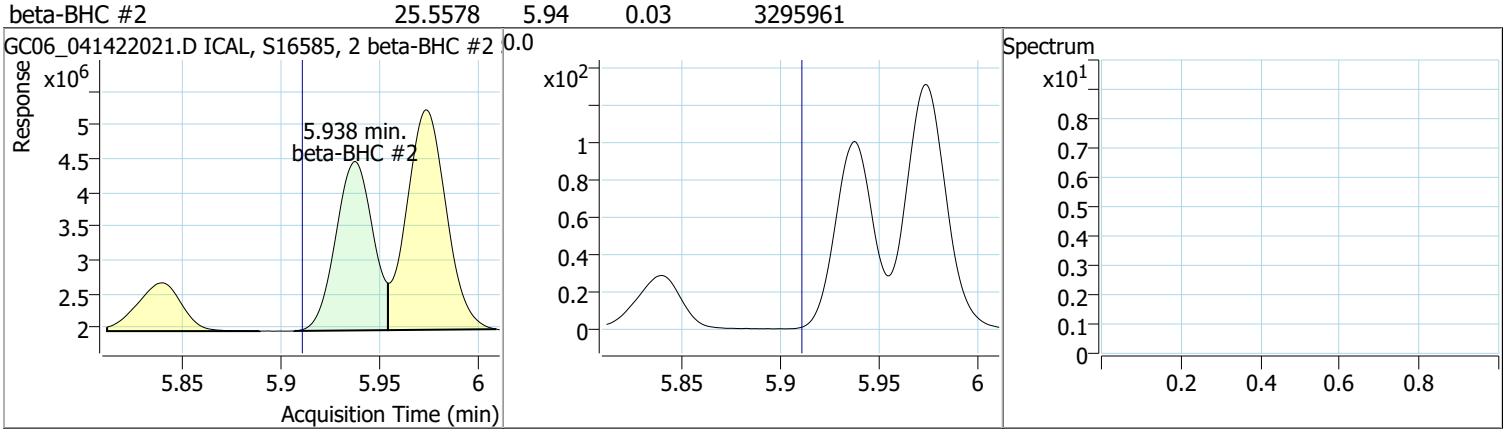
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	4.8007	5.84	0.00	1016202			



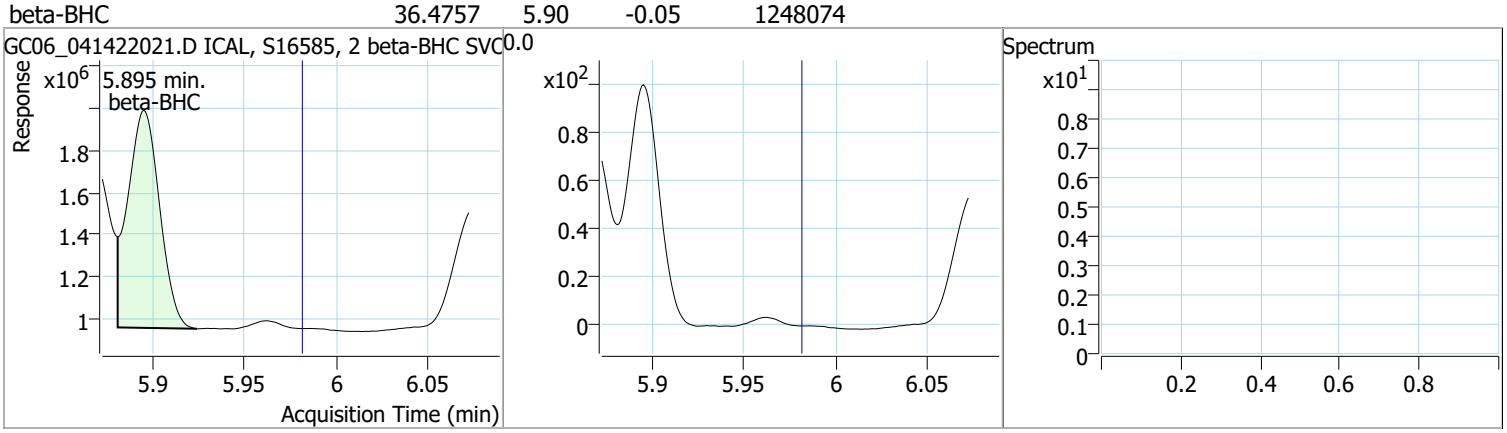
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	19.3997	5.90	0.03	1258227			



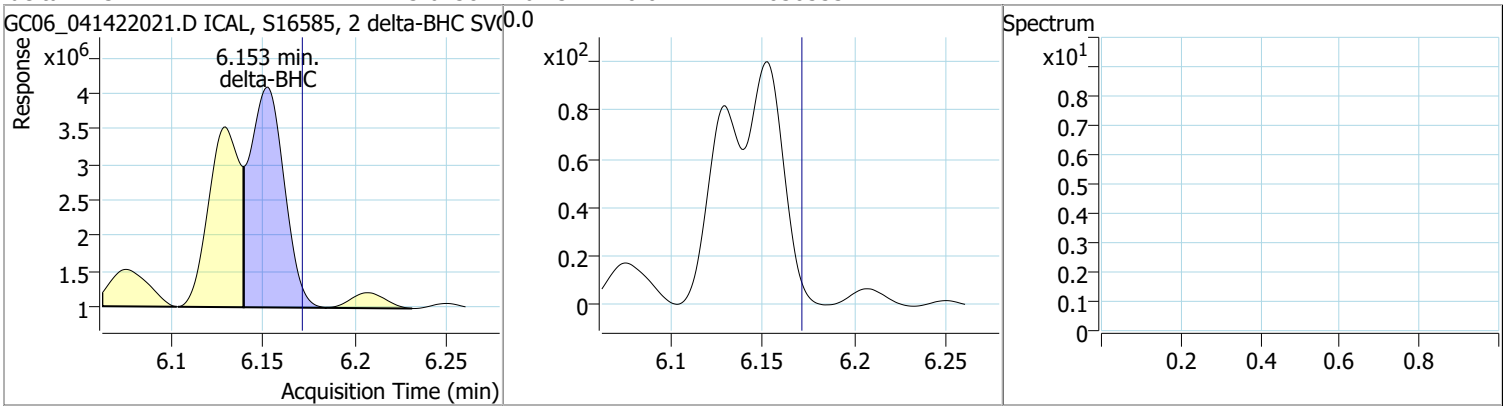
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	25.5578	5.94	0.03	3295961			



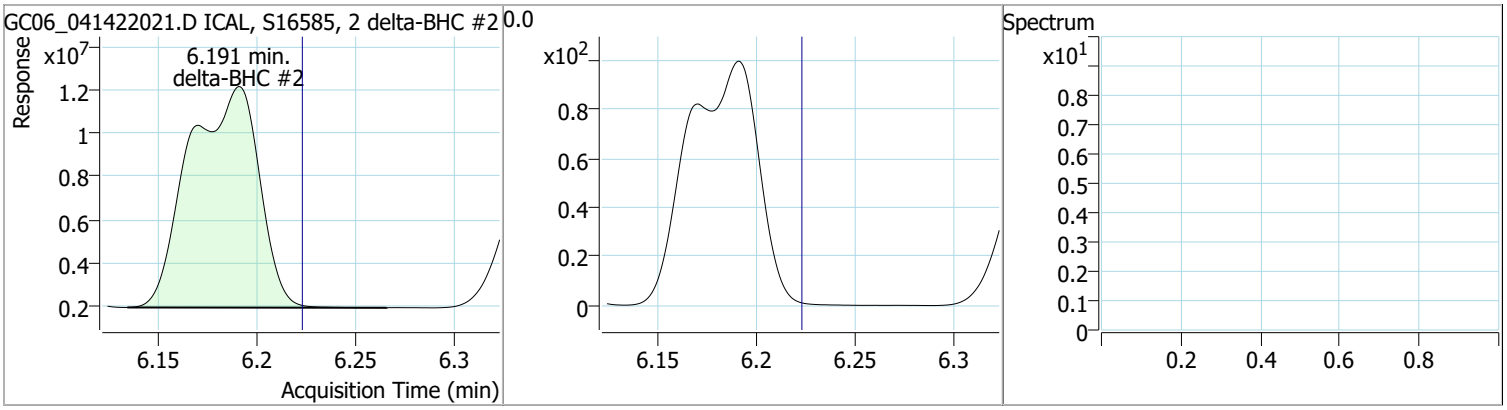
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	36.4757	5.90	-0.05	1248074			



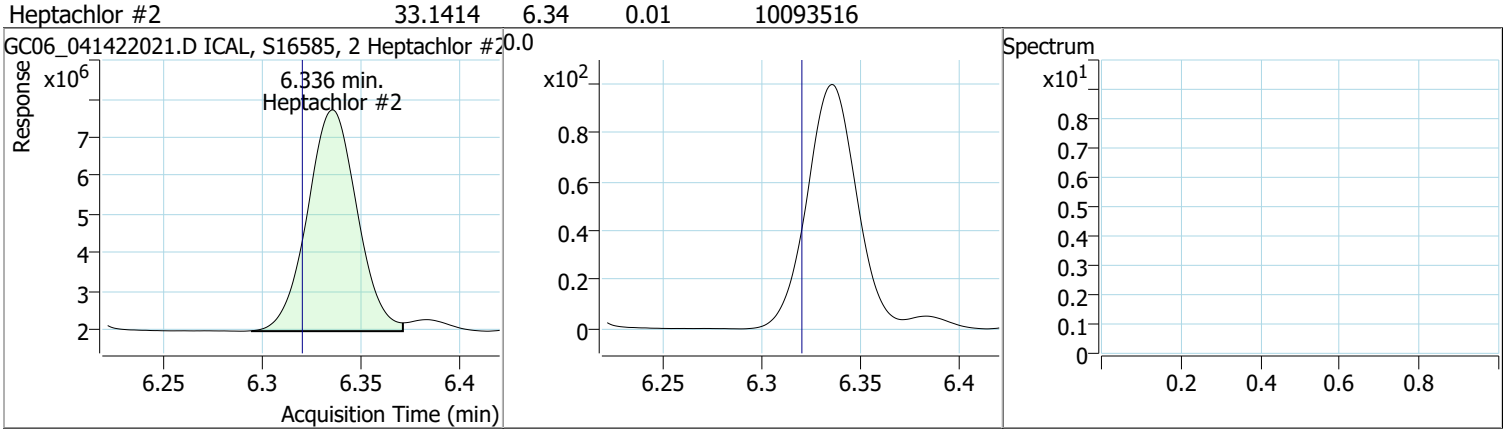
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	43.6258	6.15	0.01	4030553			



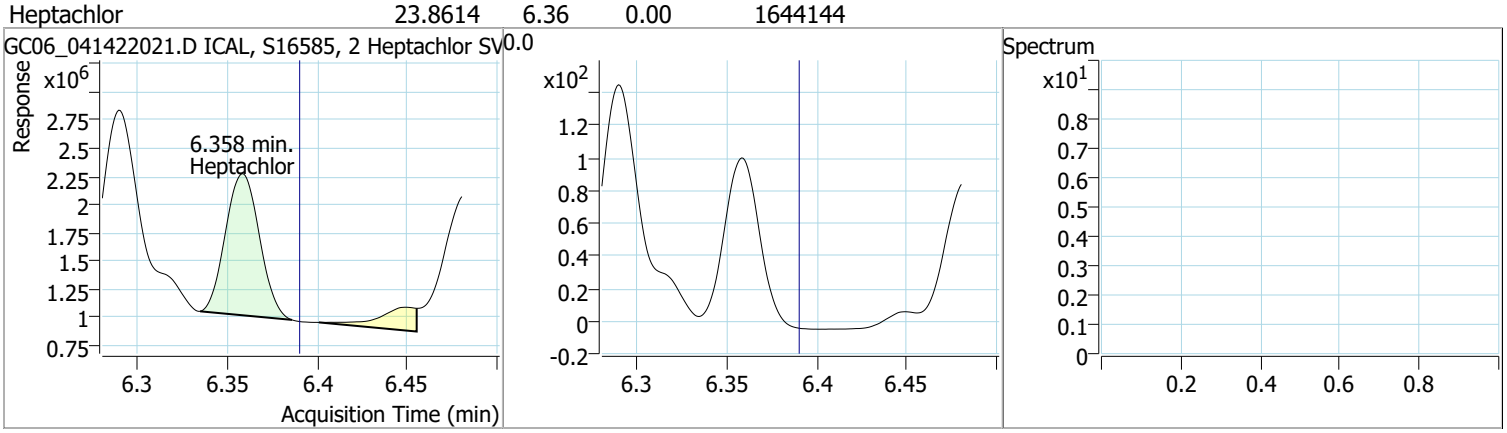
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	54.9494	6.19	-0.03	25296848			



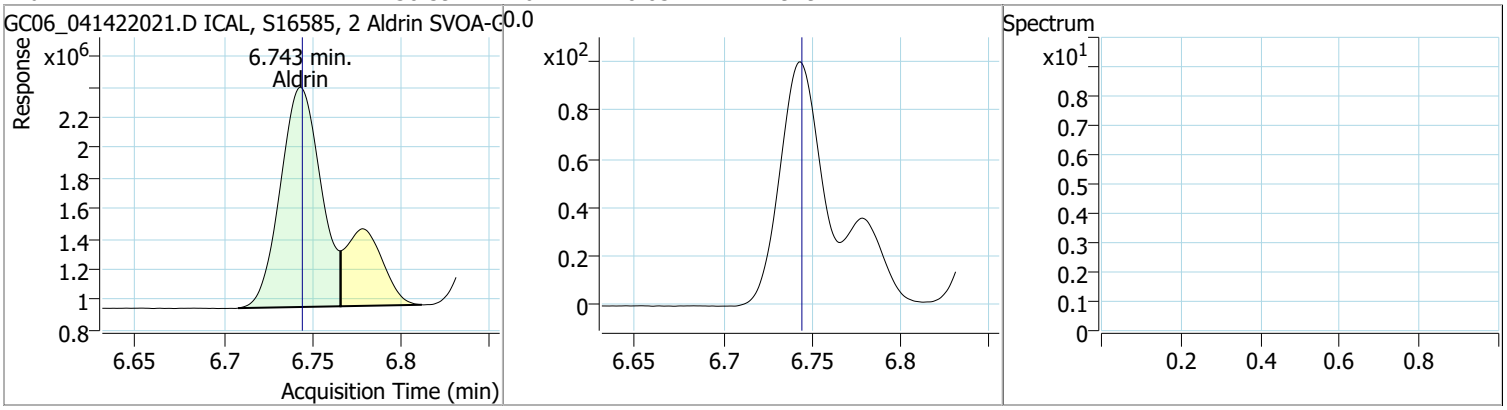
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	33.1414	6.34	0.01	10093516			



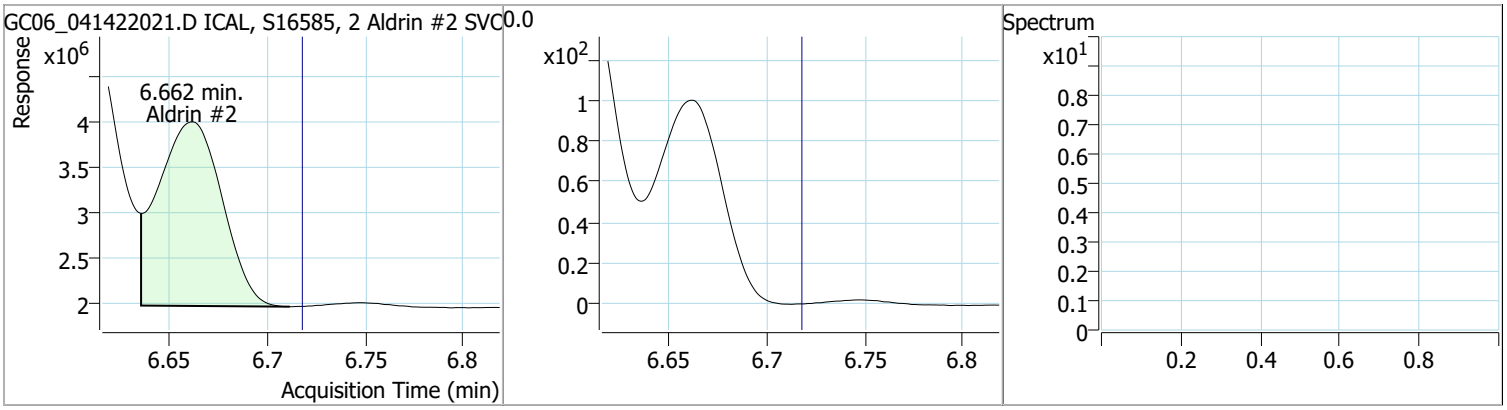
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	23.8614	6.36	0.00	1644144			



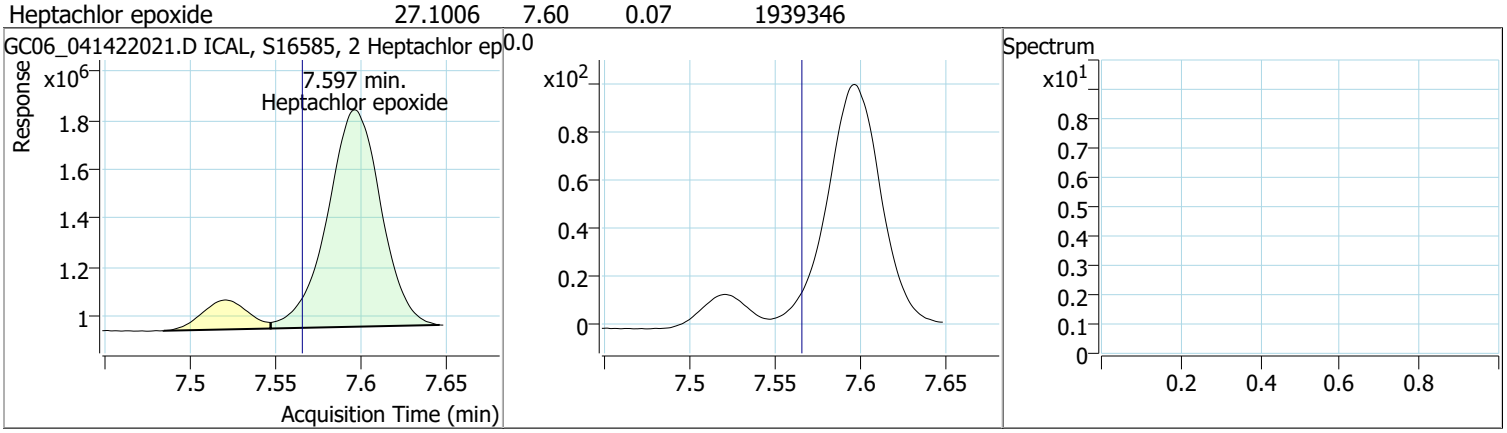
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	30.5971	6.74	0.03	2292942			



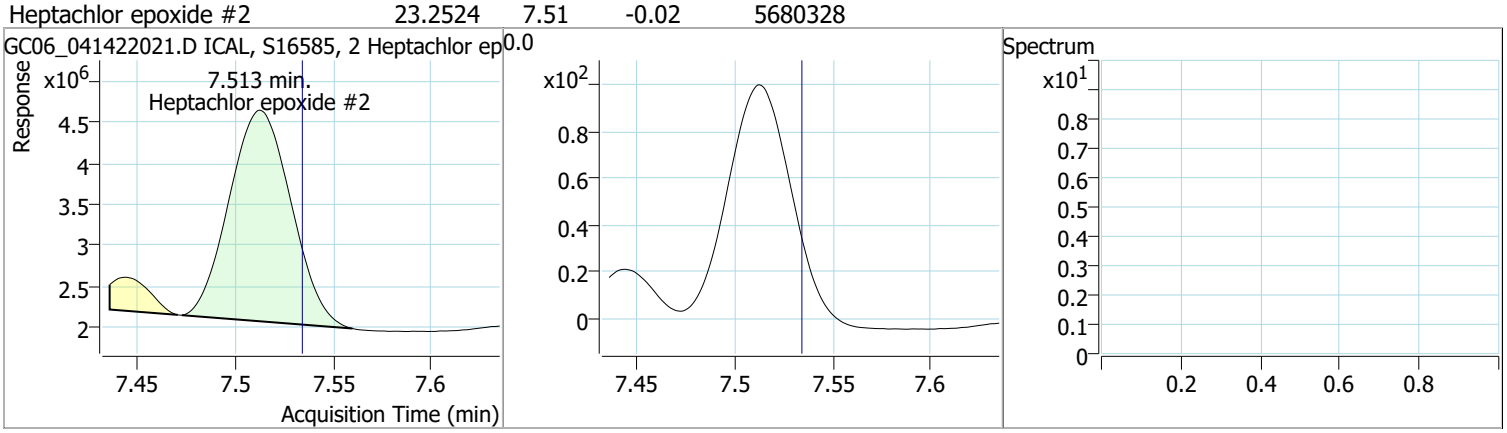
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	20.4087	6.66	-0.06	4639458			



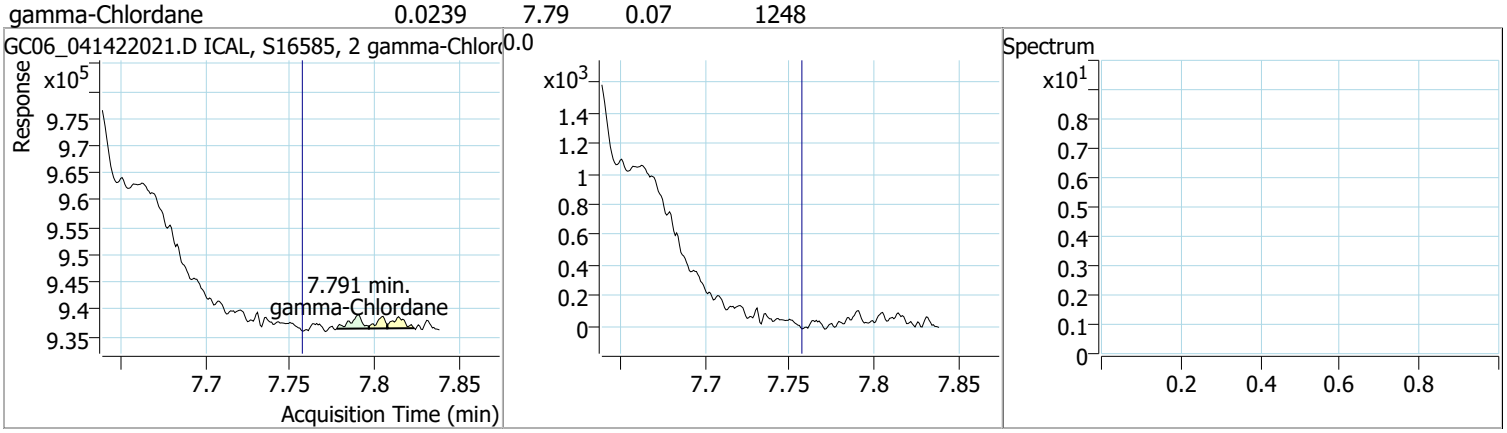
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	27.1006	7.60	0.07	1939346			



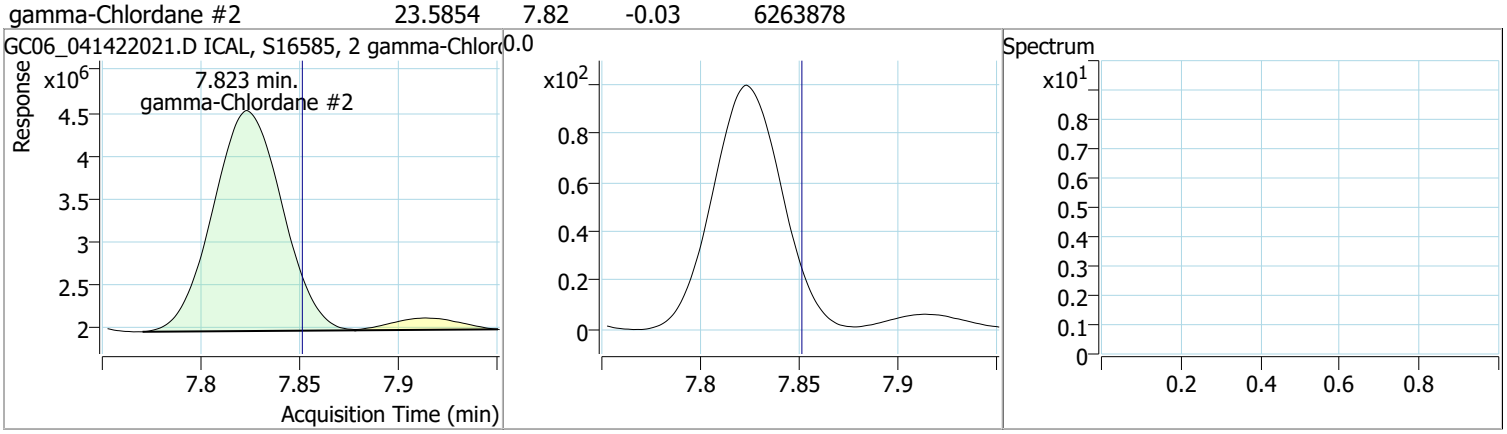
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	23.2524	7.51	-0.02	5680328			



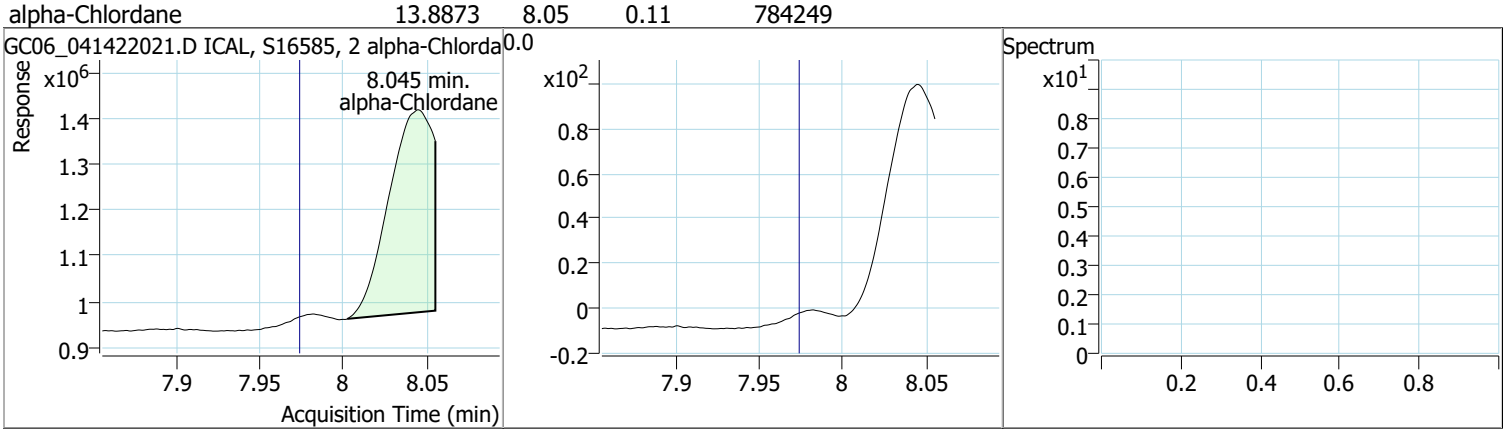
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0239	7.79	0.07	1248			



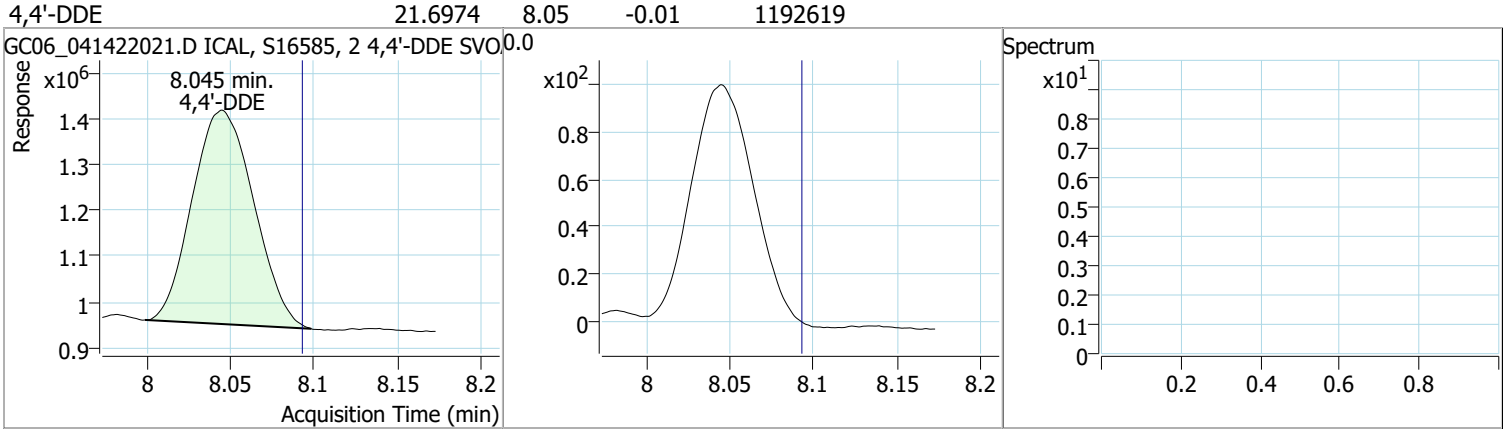
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	23.5854	7.82	-0.03	6263878			



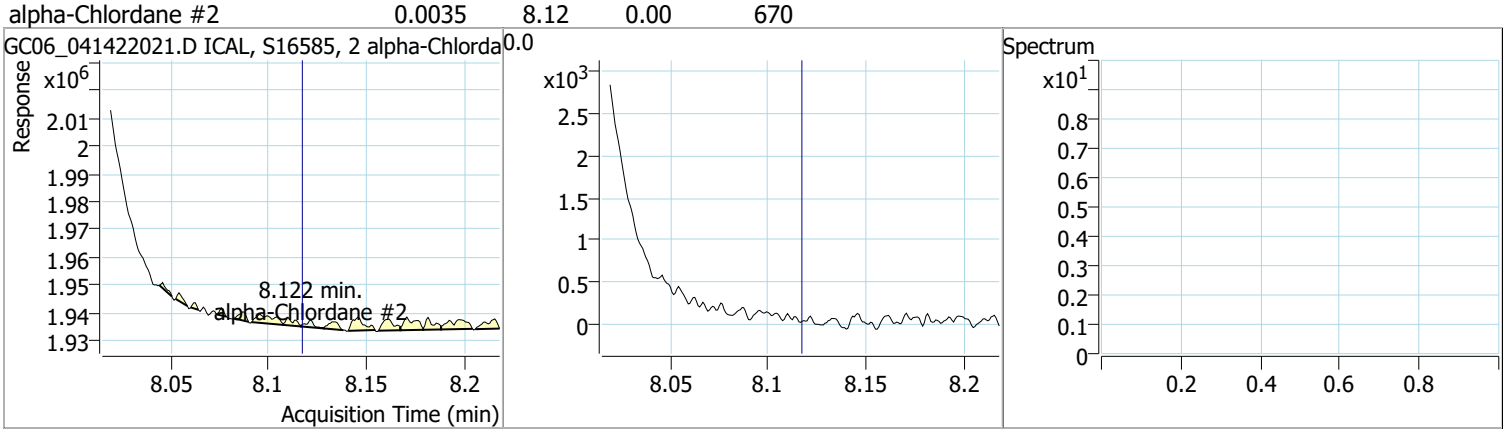
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	13.8873	8.05	0.11	784249			



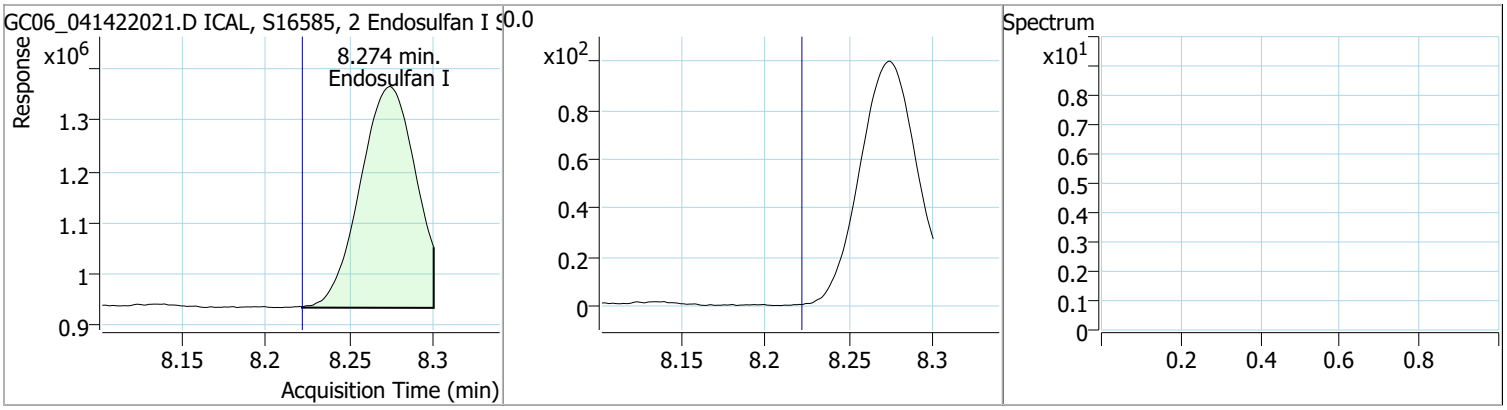
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	21.6974	8.05	-0.01	1192619			



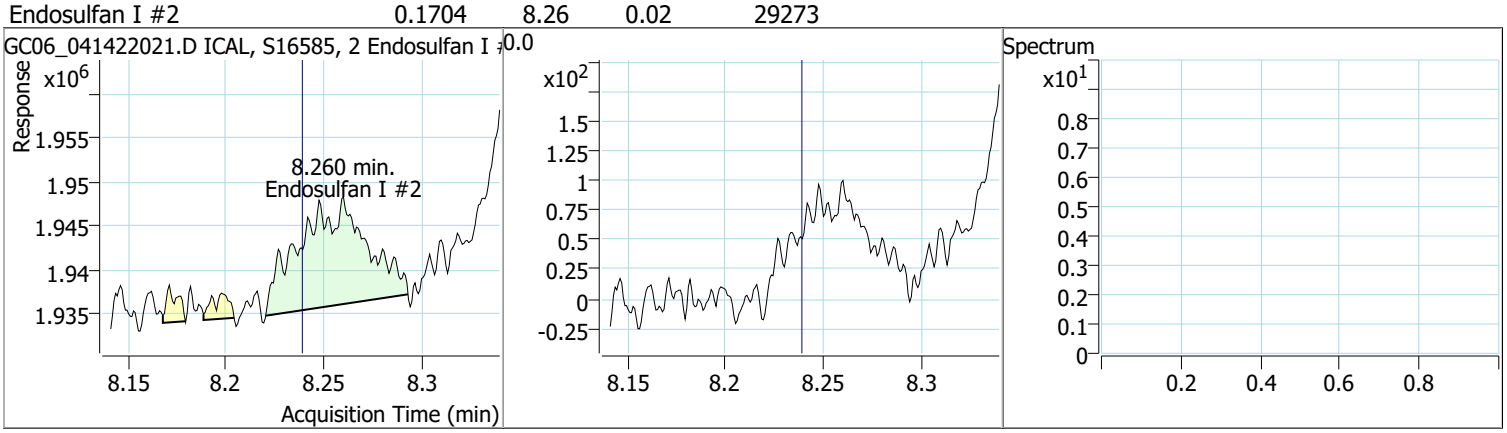
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0035	8.12	0.00	670			



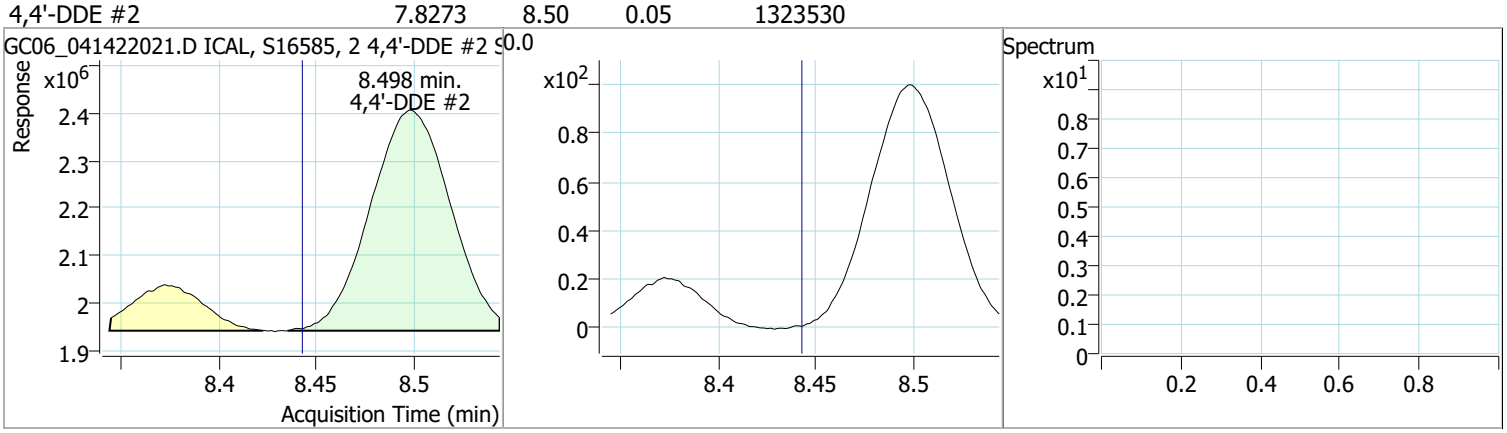
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	18.3161	8.27	0.10	987150			



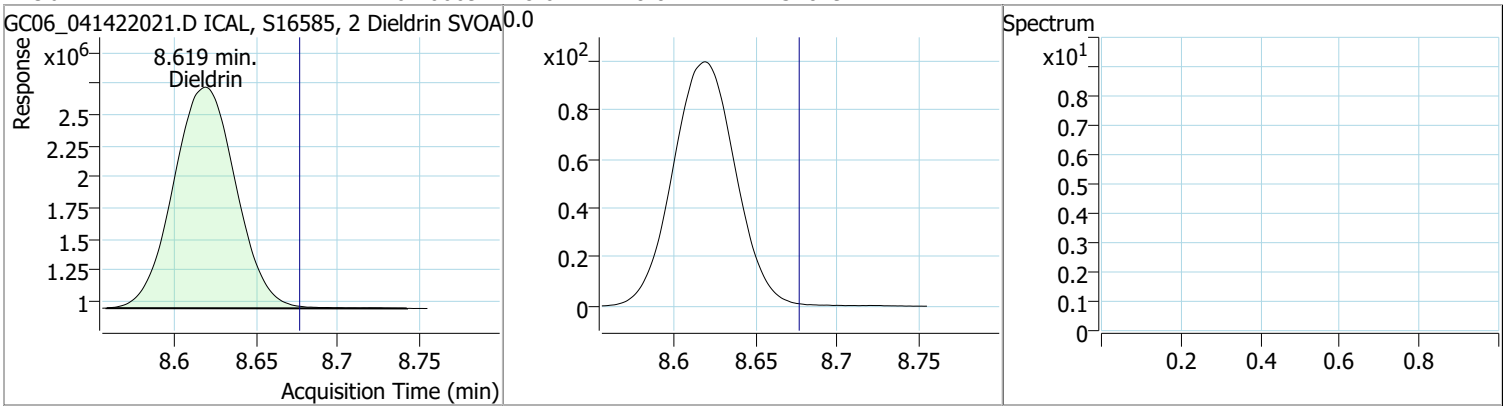
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.1704	8.26	0.02	29273			



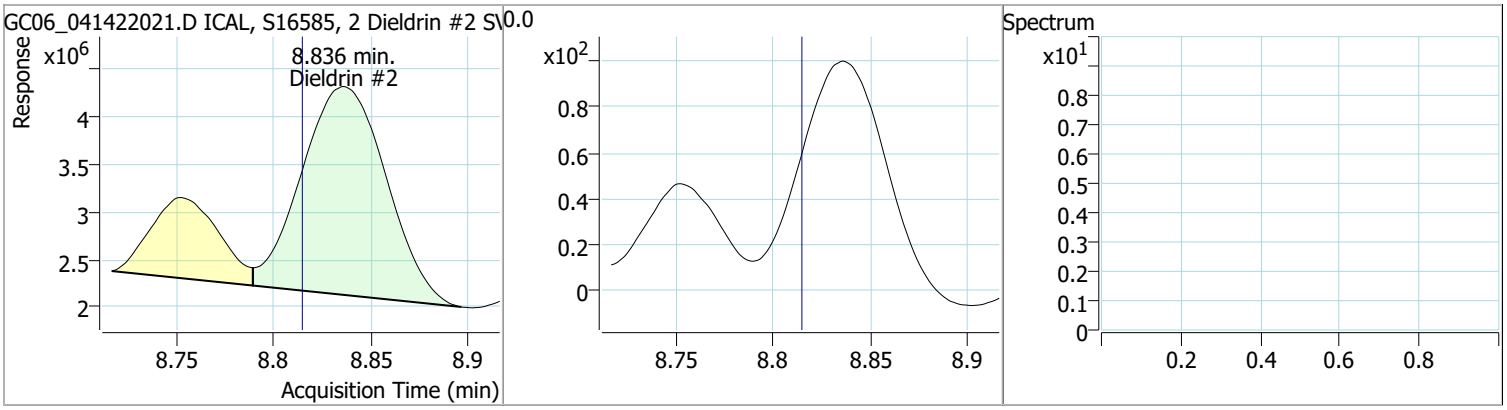
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	7.8273	8.50	0.05	1323530			



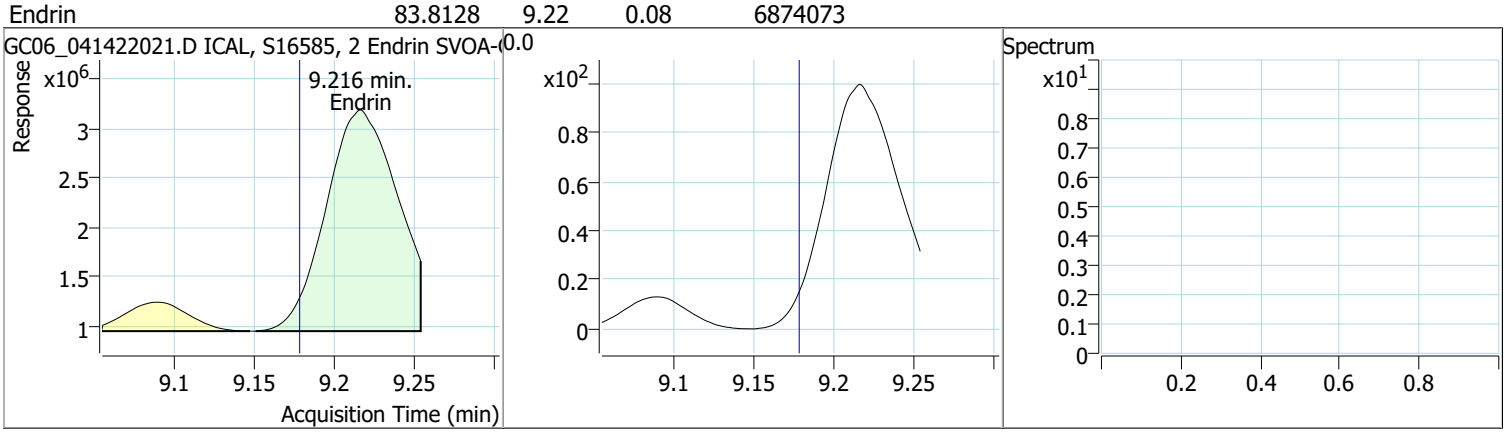
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	62.6669	8.62	-0.01	4757019			



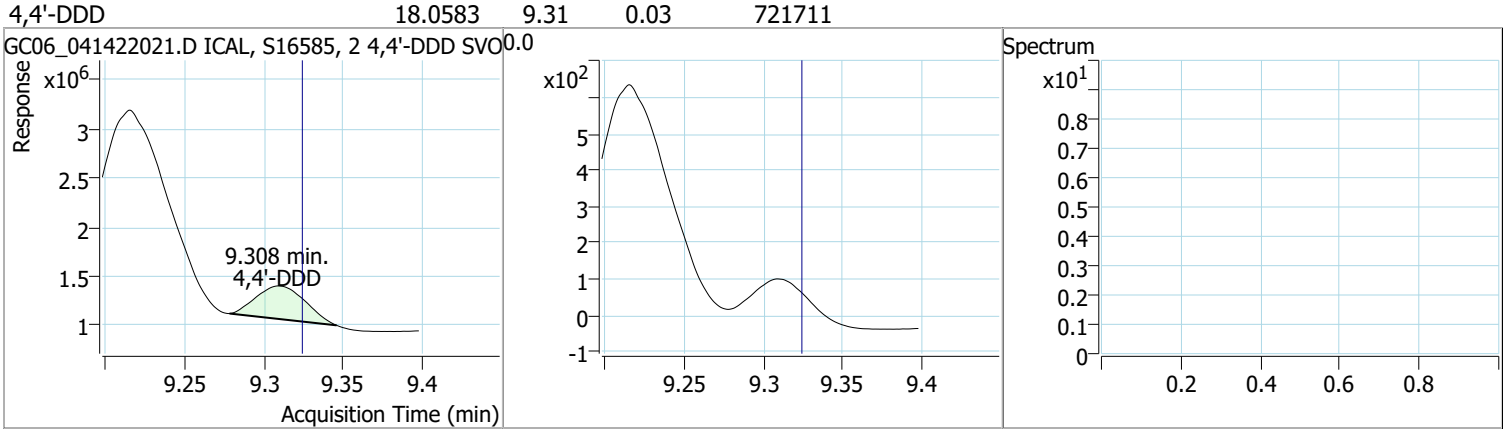
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	31.8934	8.84	0.02	6645238			



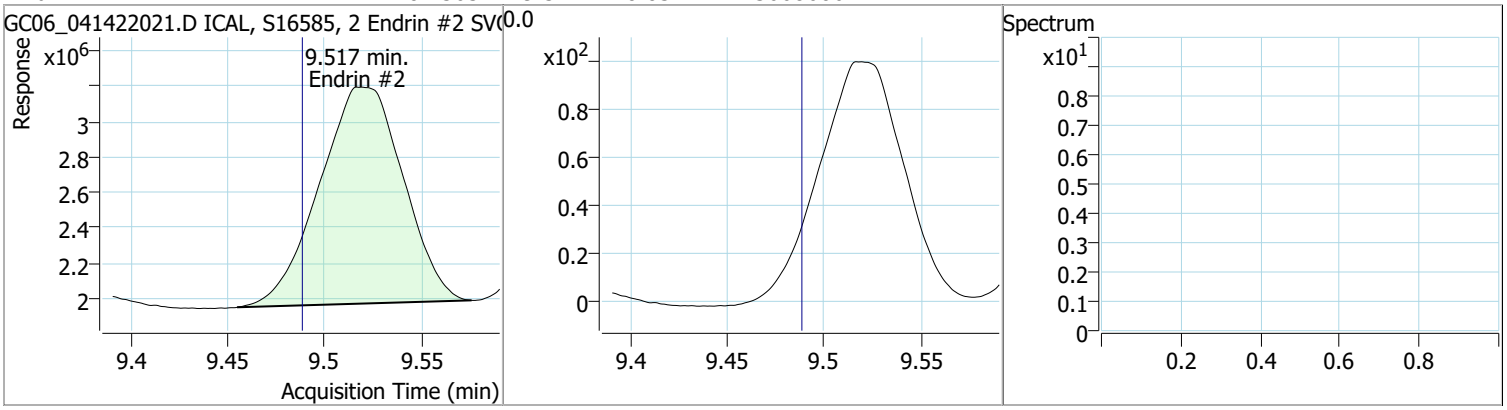
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	83.8128	9.22	0.08	6874073			



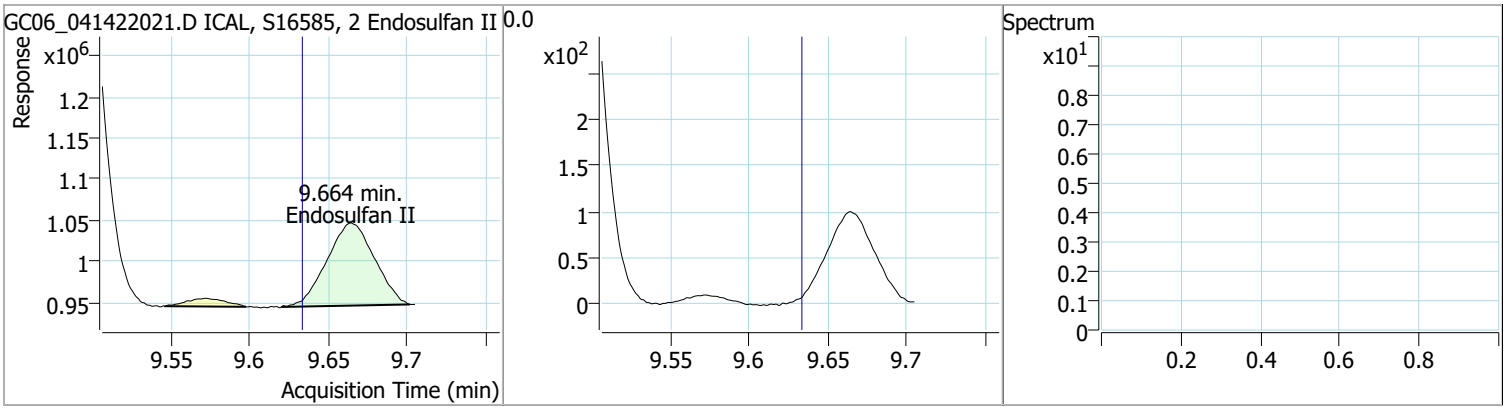
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	18.0583	9.31	0.03	721711			



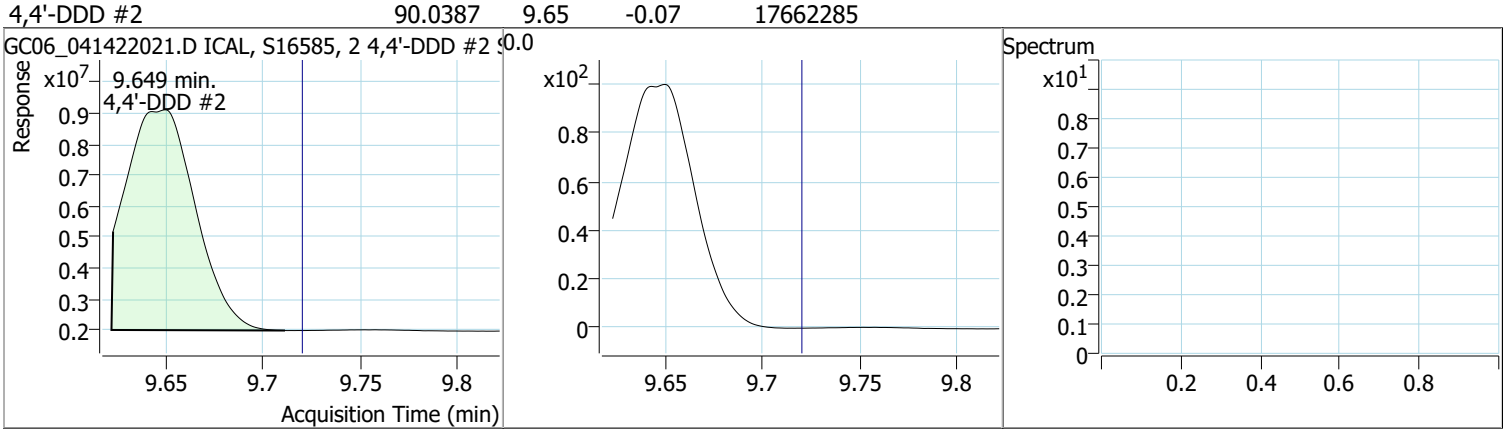
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	20.1565	9.52	0.03	3668606			



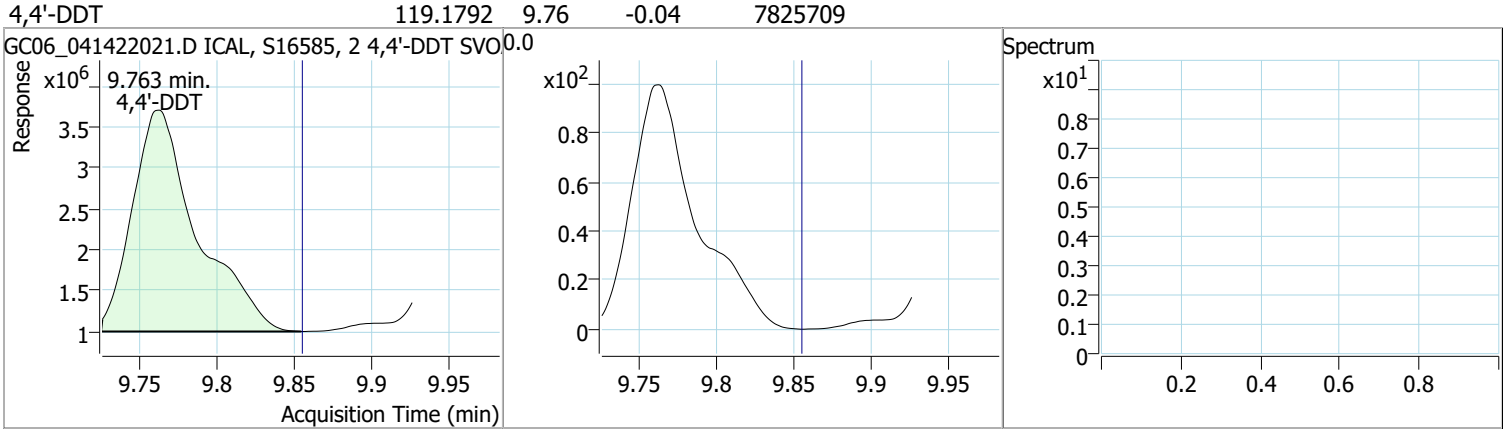
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	4.2221	9.66	0.08	211278			



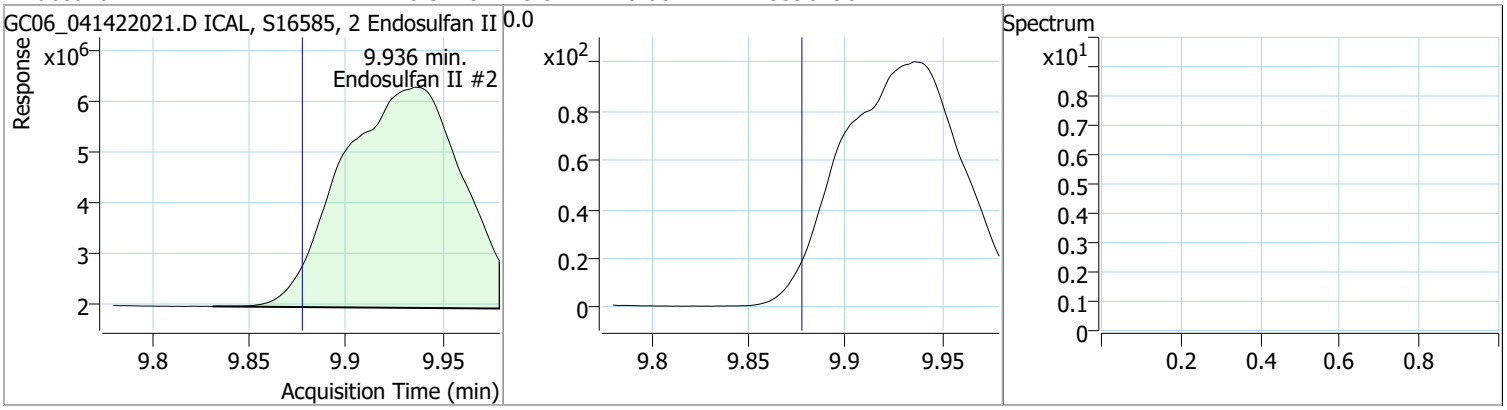
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	90.0387	9.65	-0.07	17662285			



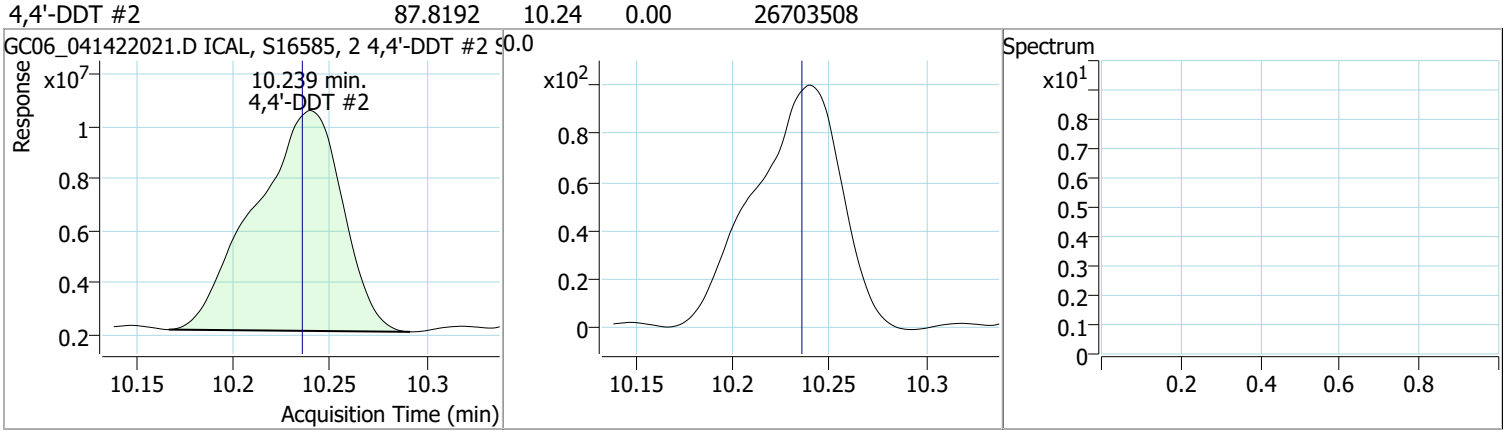
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	119.1792	9.76	-0.04	7825709			



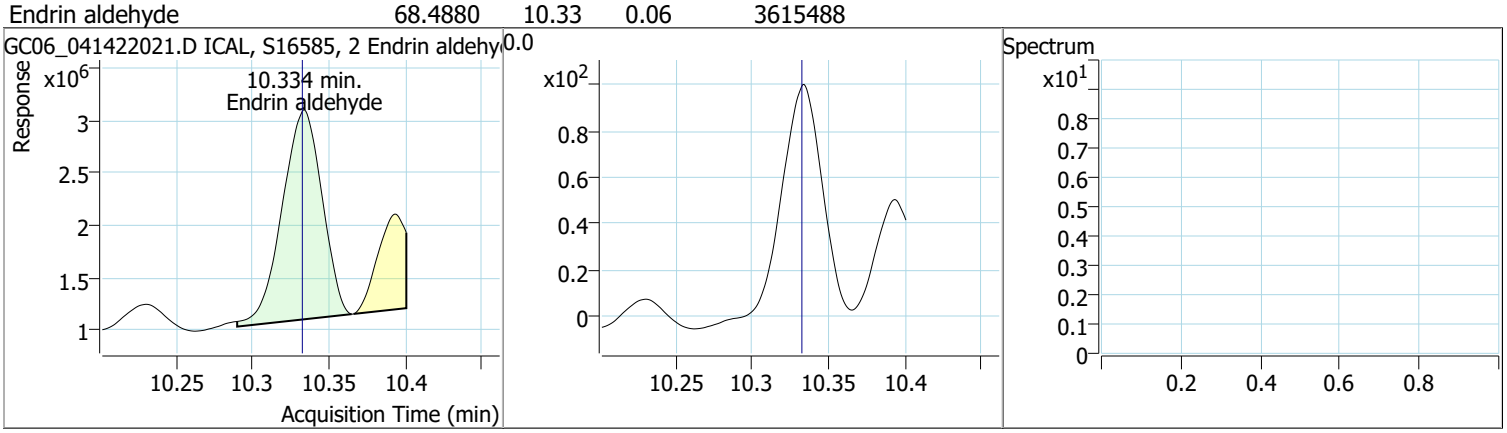
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	70.3120	9.94	0.06	18596498			



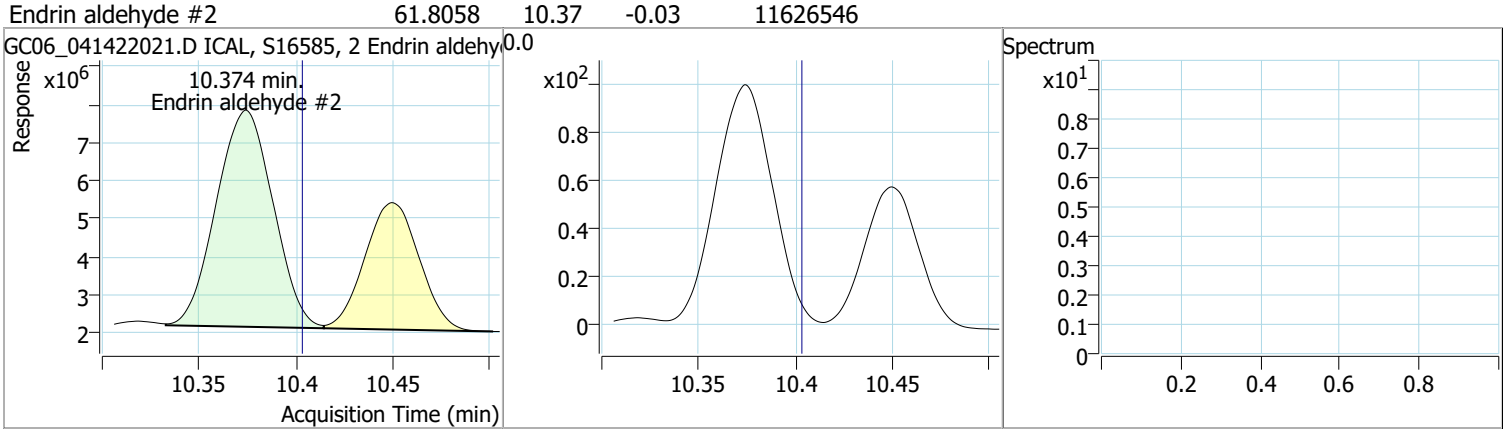
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	87.8192	10.24	0.00	26703508			



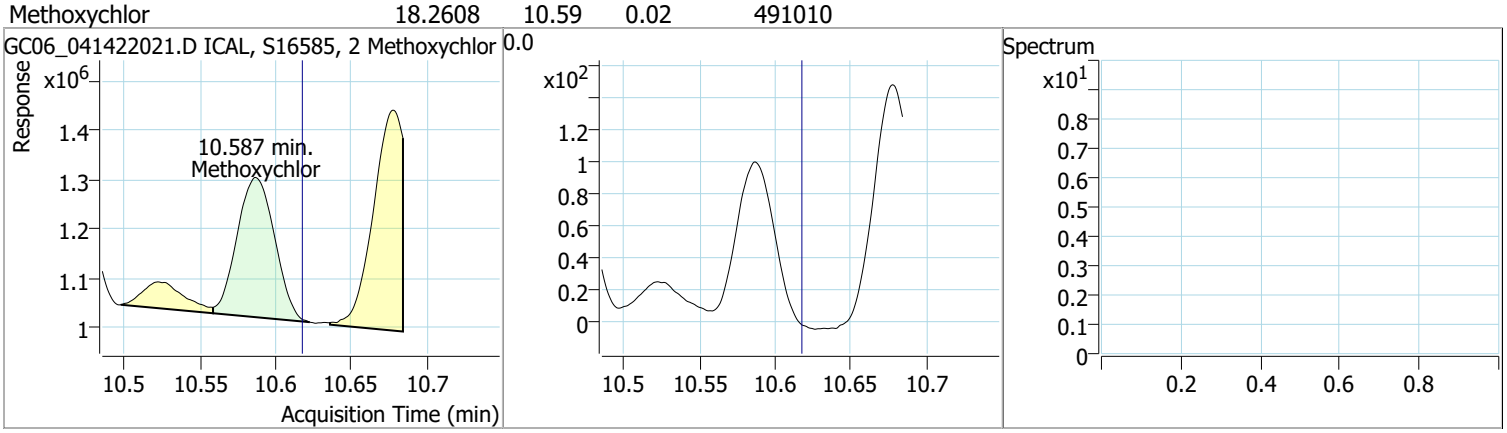
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	68.4880	10.33	0.06	3615488			



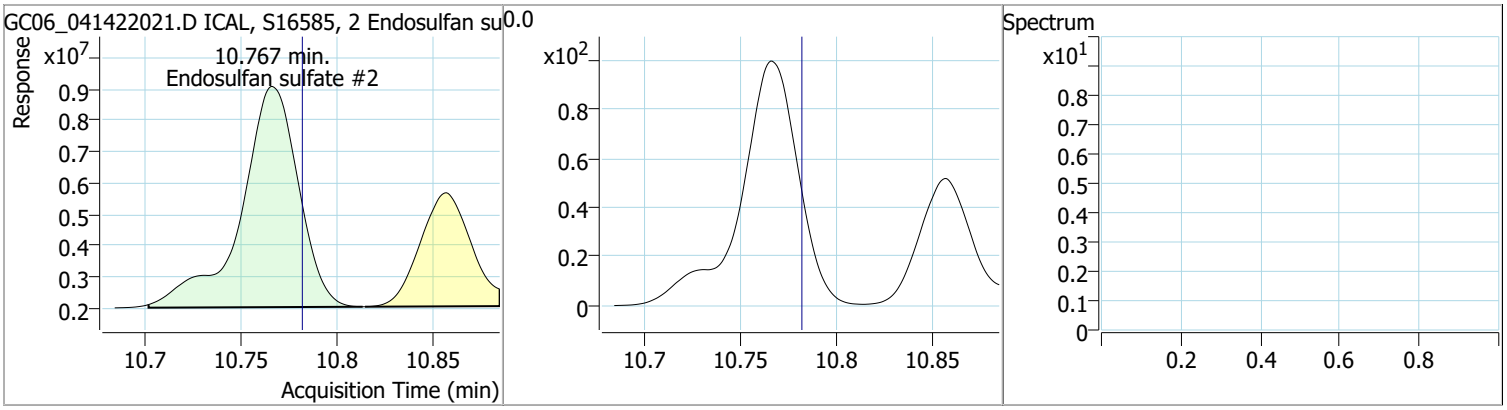
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	61.8058	10.37	-0.03	11626546			



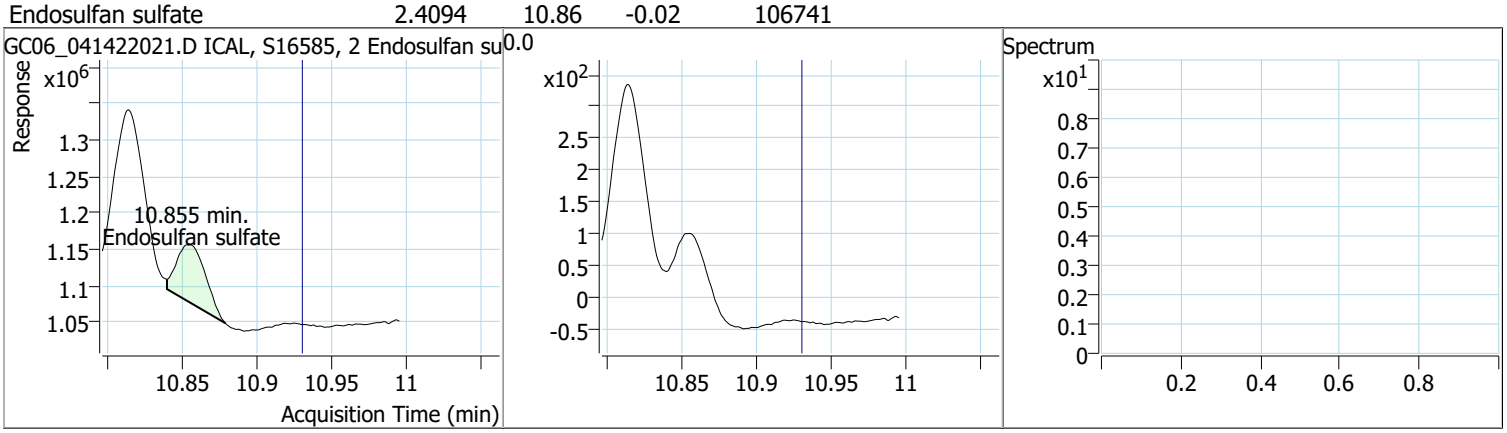
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	18.2608	10.59	0.02	491010			



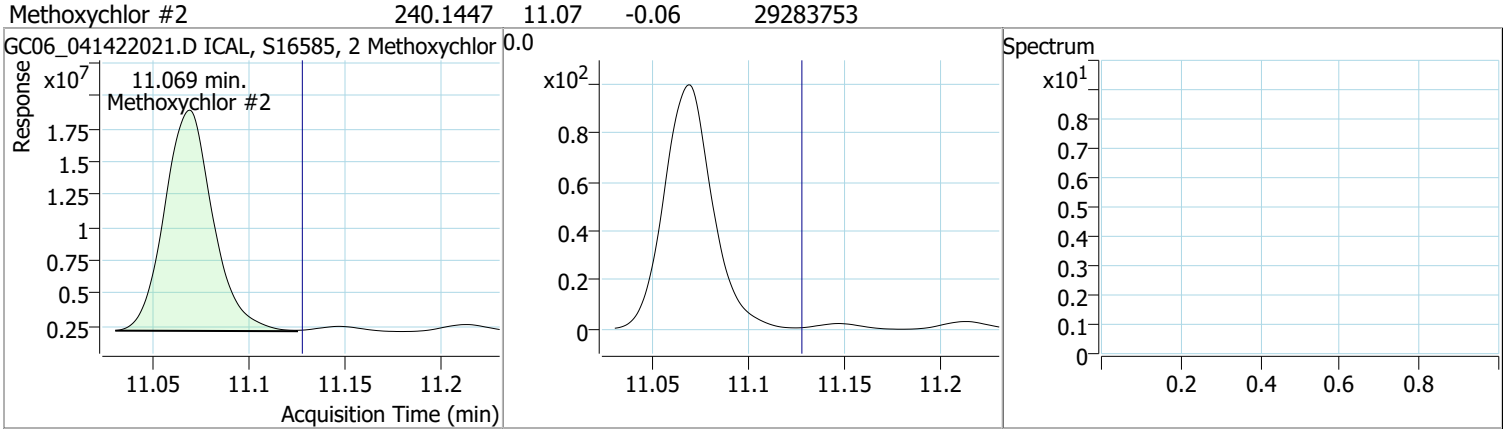
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	66.6457	10.77	-0.02	14667492			



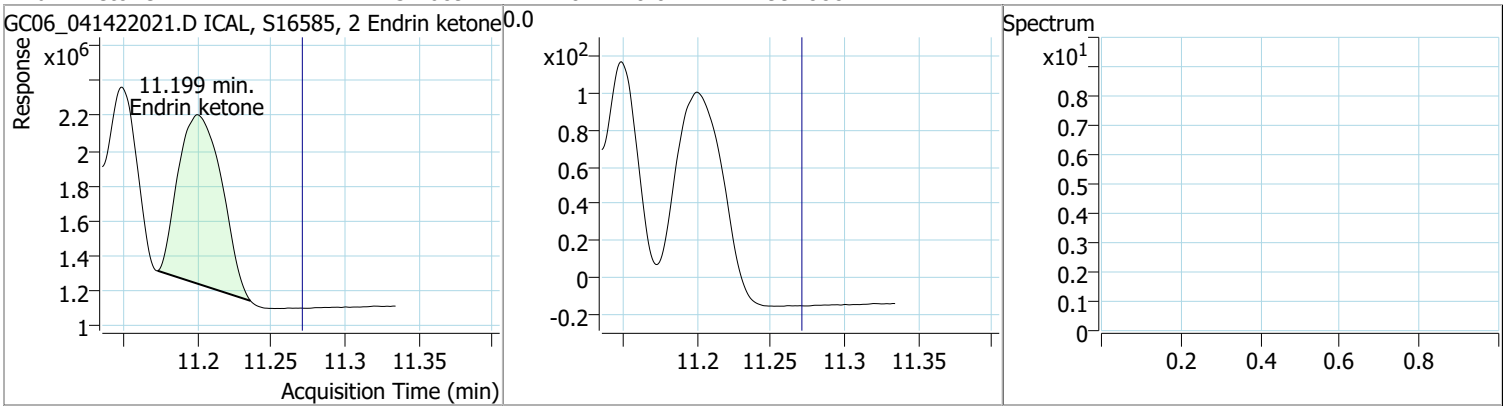
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	2.4094	10.86	-0.02	106741			



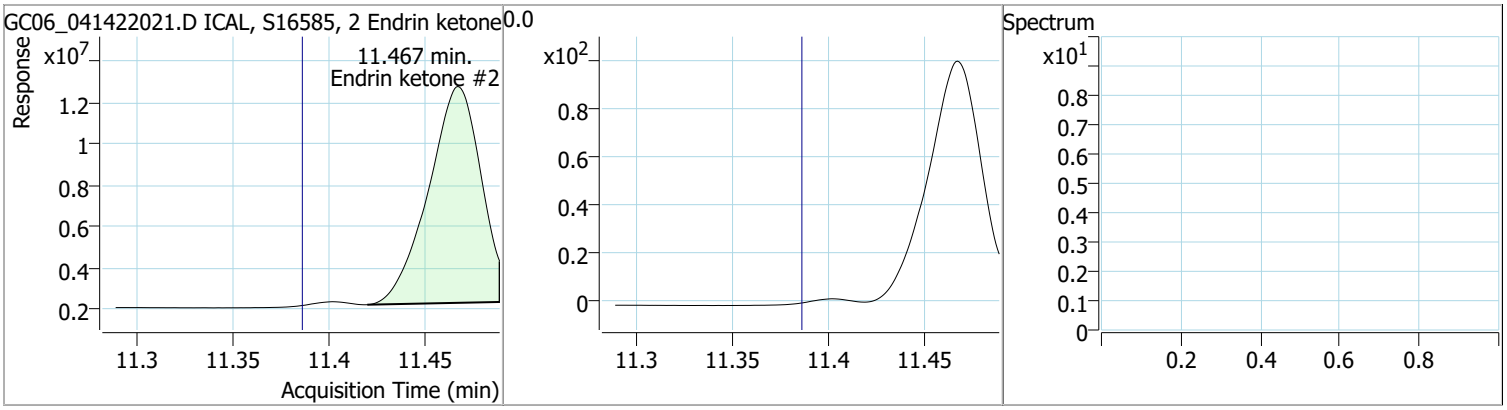
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	240.1447	11.07	-0.06	29283753			



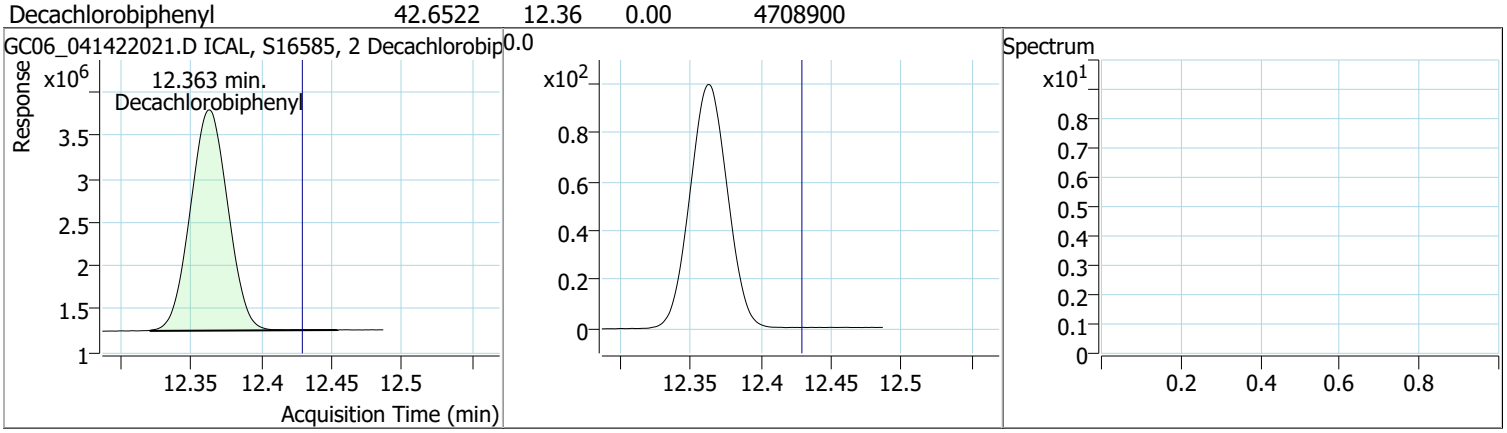
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	31.6897	11.20	-0.01	1997888			



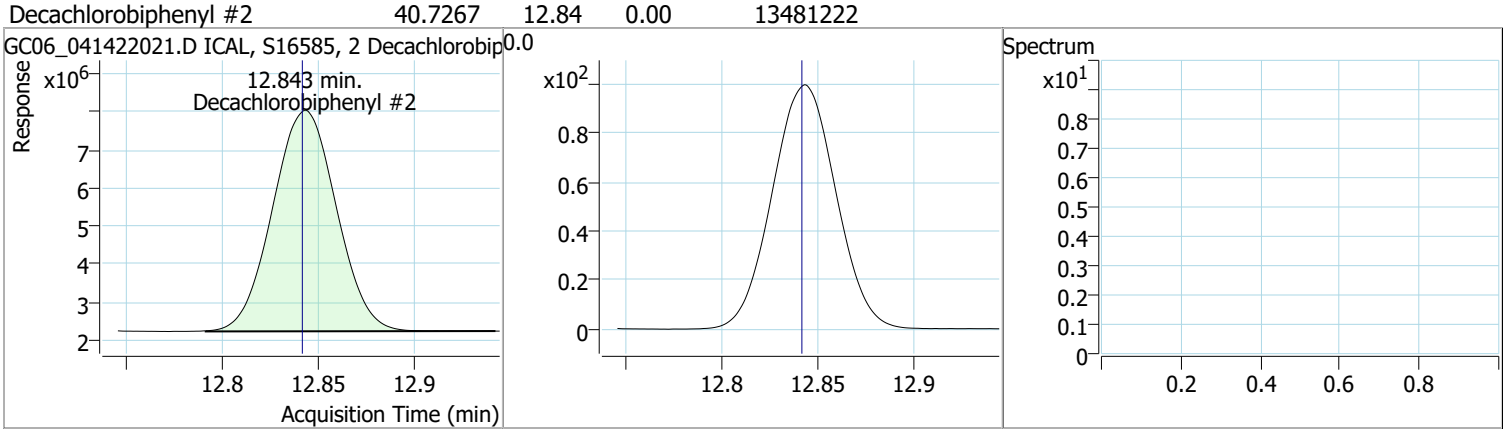
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	69.6011	11.47	0.08	19548666			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	42.6522	12.36	0.00	4708900			

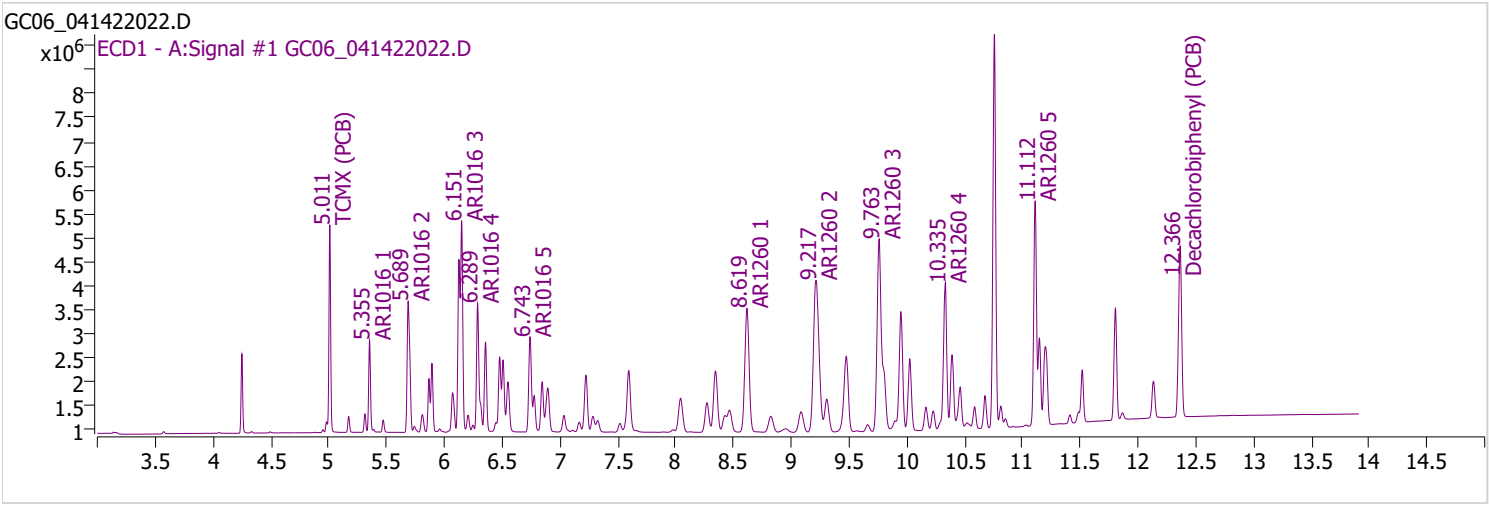


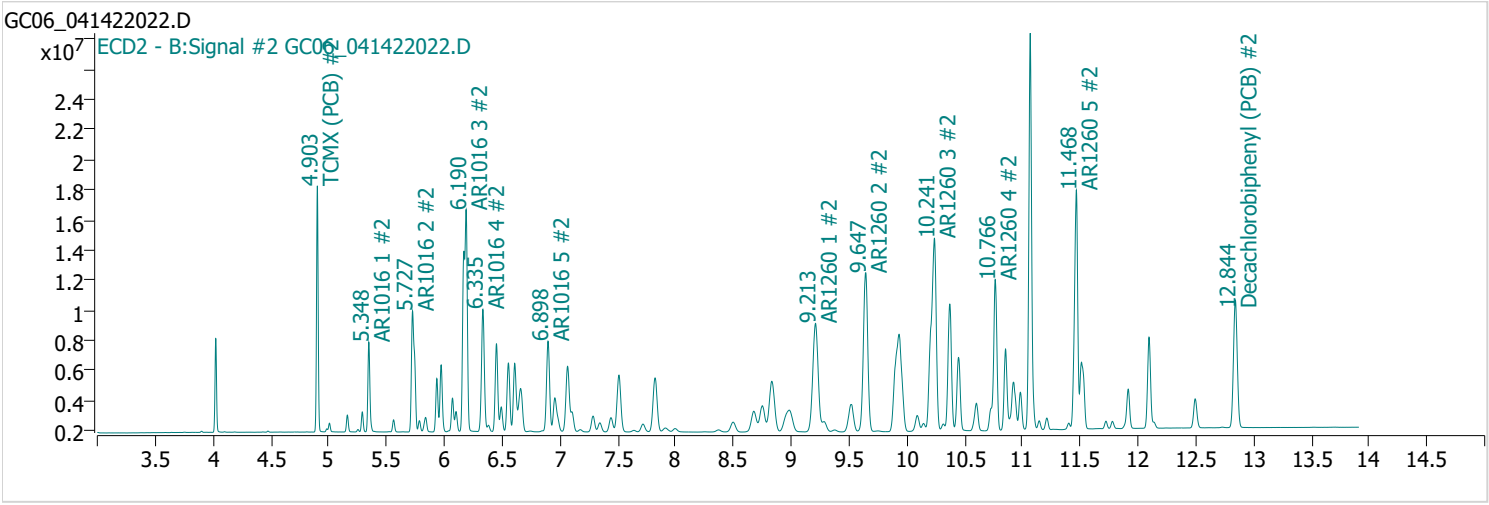
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	40.7267	12.84	0.00	13481222			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422022.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:44:14 PM
Sample Name	ICAL, S16585, 1.33	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 118	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



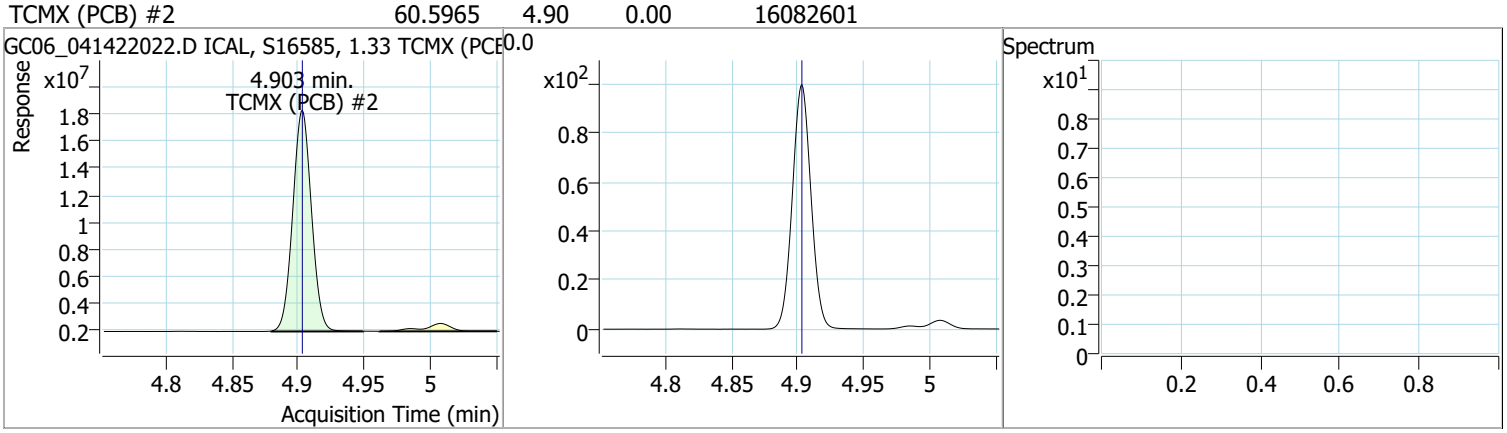


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.251	4.024	1588388	5794417	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.011	4.903	4411653	16082601	57.743	60.597	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	288.71% *	302.98% *	
S Decachlorobiphenyl (PCB)	12.366	12.844	6796418	19469690	56.275	55.684	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	281.37% *	278.42% *	
Target Compounds							
T AR1016 1	5.355	5.348	2110884	7324137	1358.597	1349.749	ng/ml
T AR1016 2	5.689	5.727	4485104	15445320	1325.765	1371.587	ng/ml
T AR1016 3	6.151	6.190	5713338	20893358 m	1434.974	1406.875	ng/ml
T AR1016 4	6.289	6.335	4168990	13935230	1399.222	1383.100	ng/ml
T AR1016 5	6.743	6.898	3182685	11121252	1380.905	1411.835	ng/ml
T AR1260 1	8.619	9.213	6739852	23514478 m	1348.317	1340.824	ng/ml
T AR1260 2	9.217	9.647	10593988	27829642	1375.988	1373.364	ng/ml
T AR1260 3	9.763	10.241	11760001	39056610	1469.299	1418.652	ng/ml
T AR1260 4	10.335	10.766	5647323	21346241	1418.728	1432.885	ng/ml

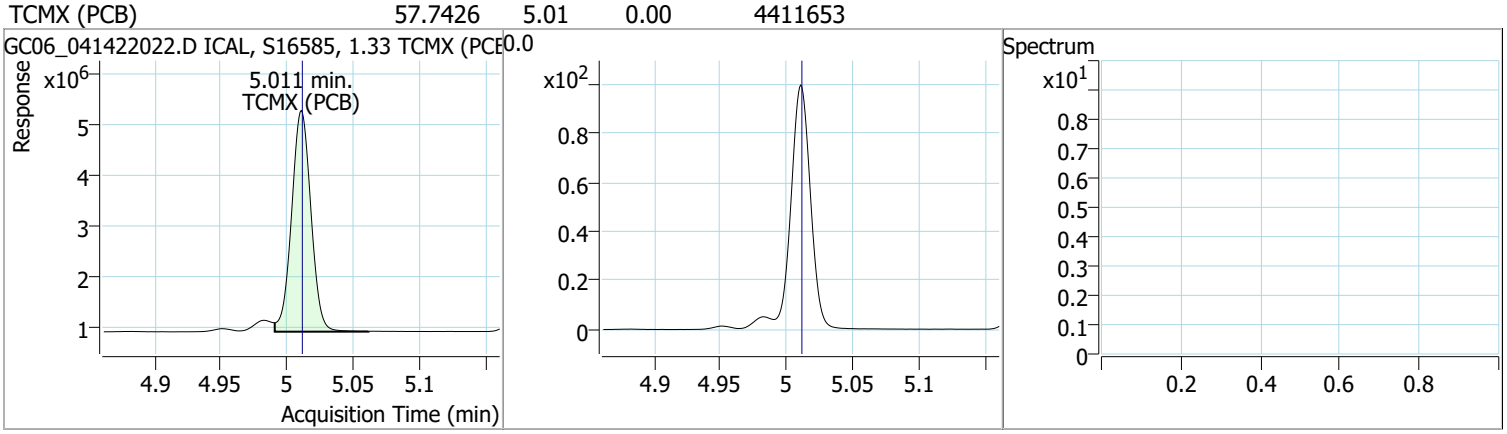
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.468	7811997	31074860	1482.806	1414.828	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

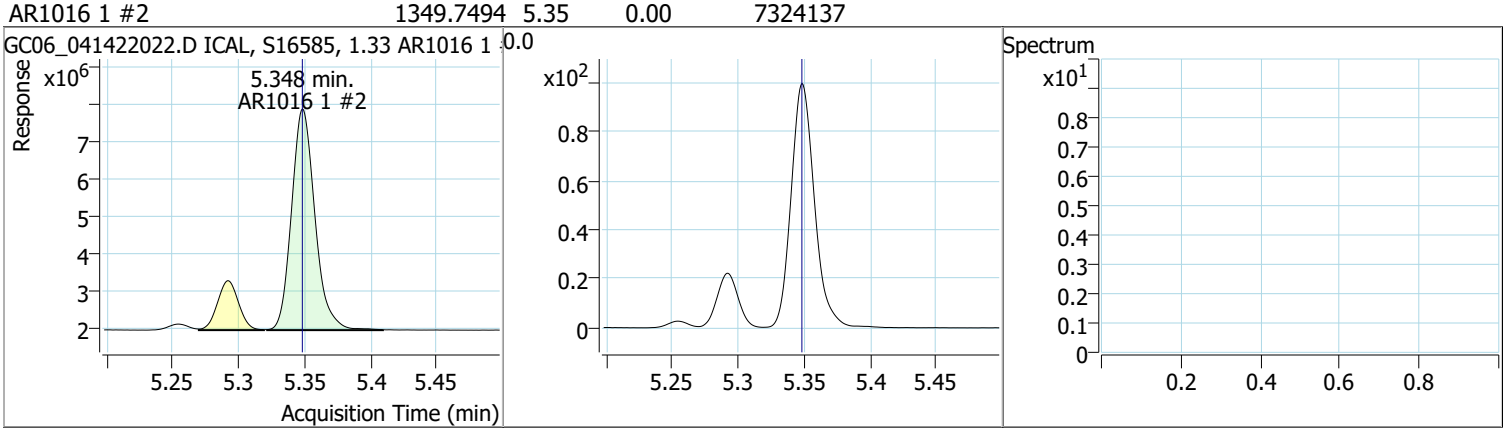
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	60.5965	4.90	0.00	16082601			



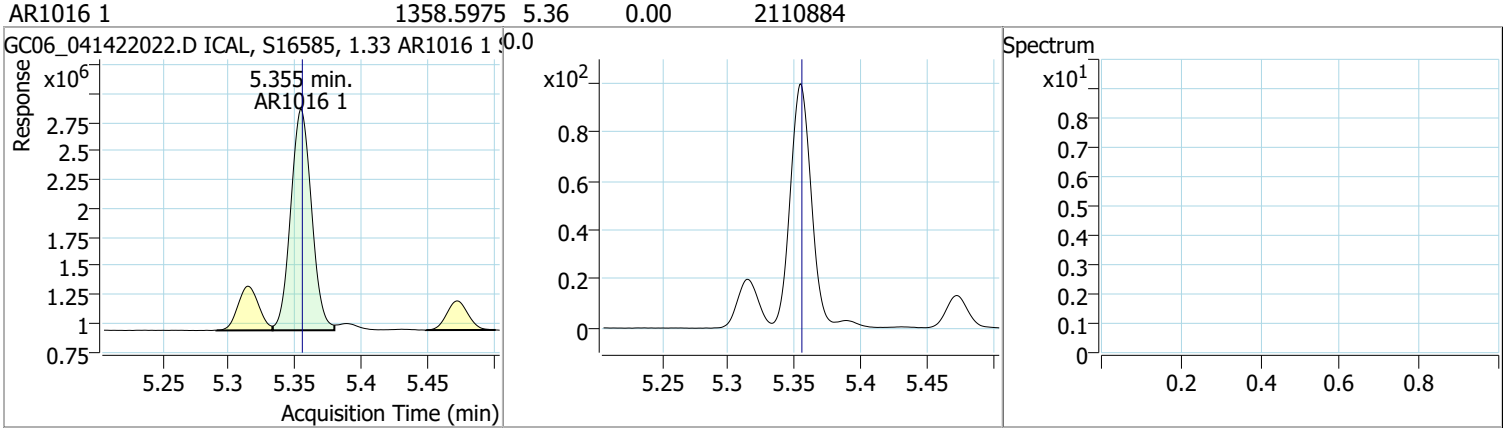
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	57.7426	5.01	0.00	4411653			



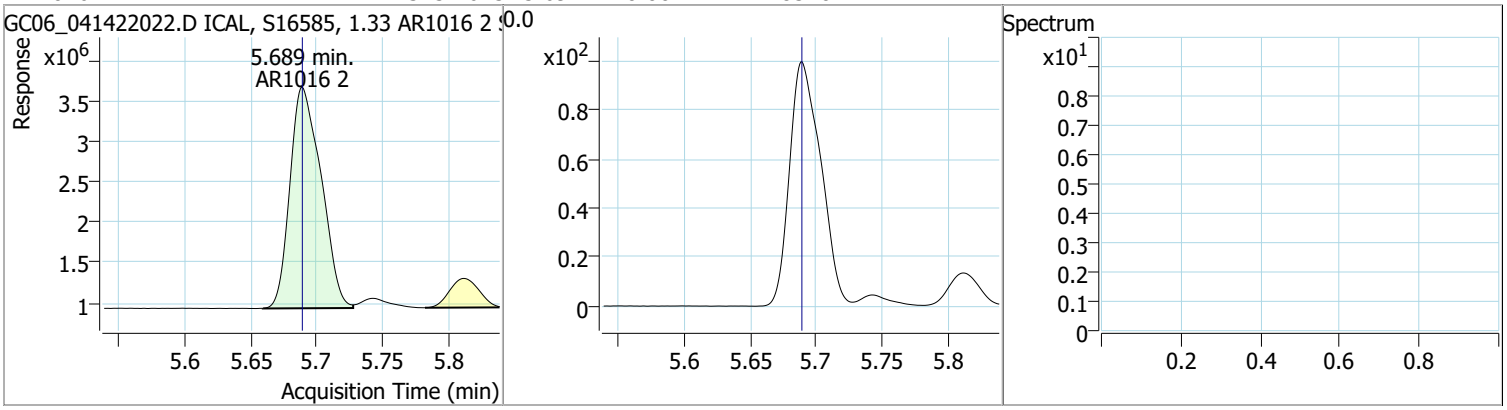
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	1349.7494	5.35	0.00	7324137			



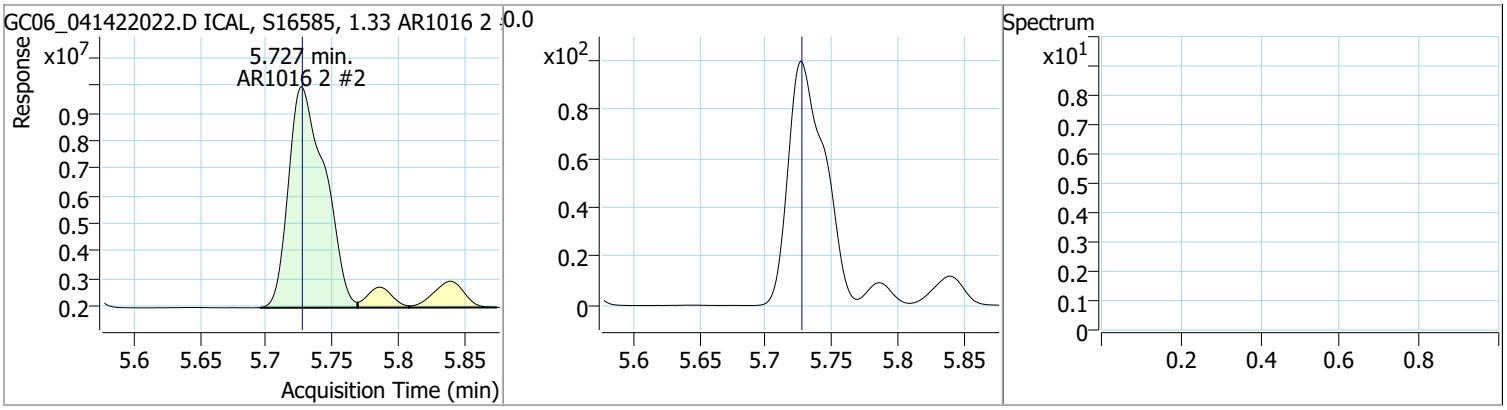
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	1358.5975	5.36	0.00	2110884			



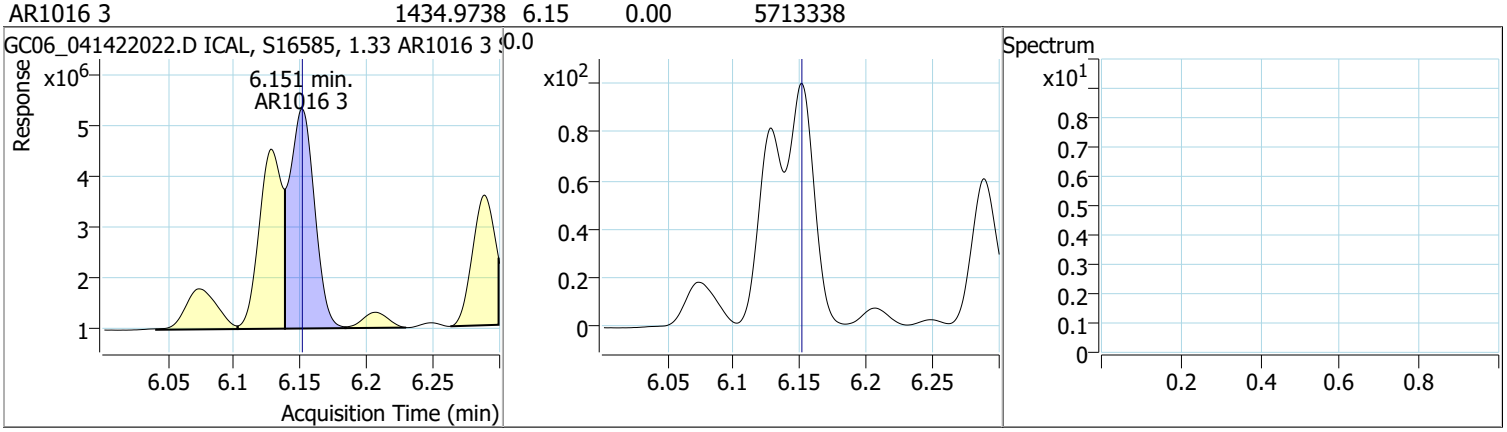
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	1325.7645	5.69	0.00	4485104			



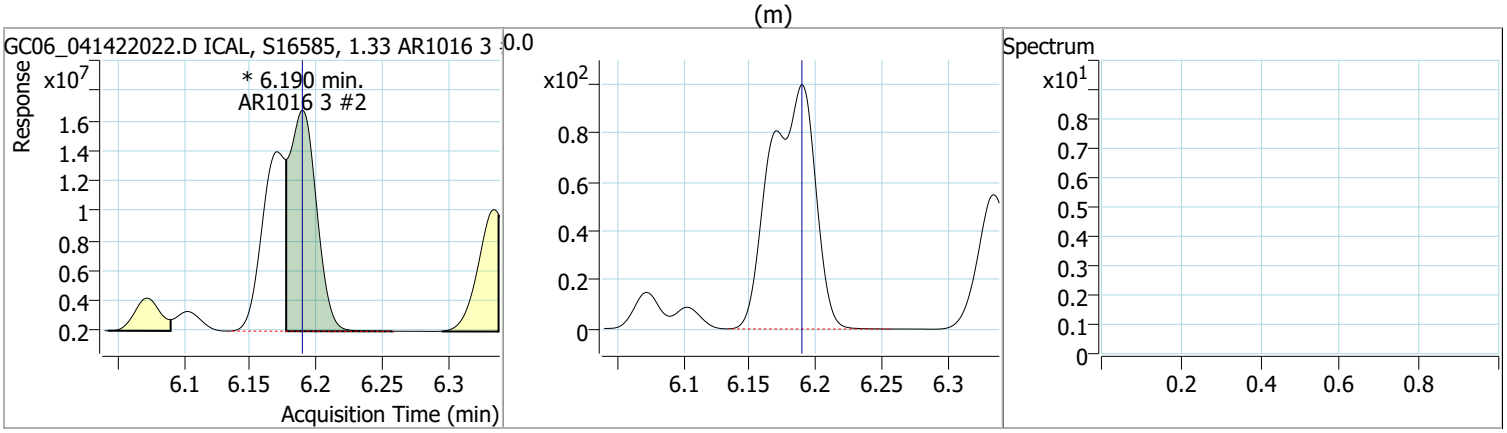
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	1371.5868	5.73	0.00	15445320			



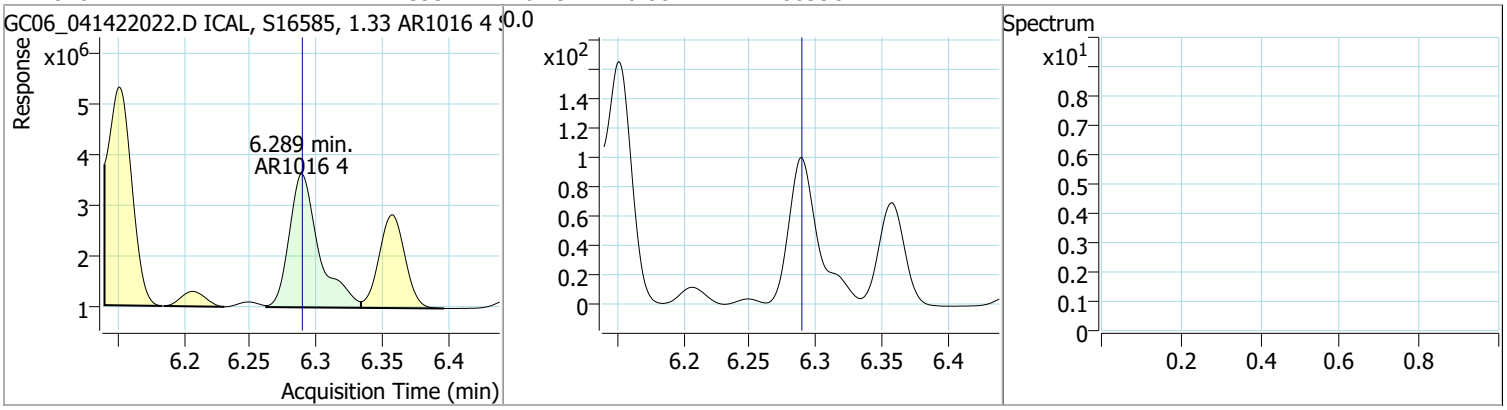
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	1434.9738	6.15	0.00	5713338			



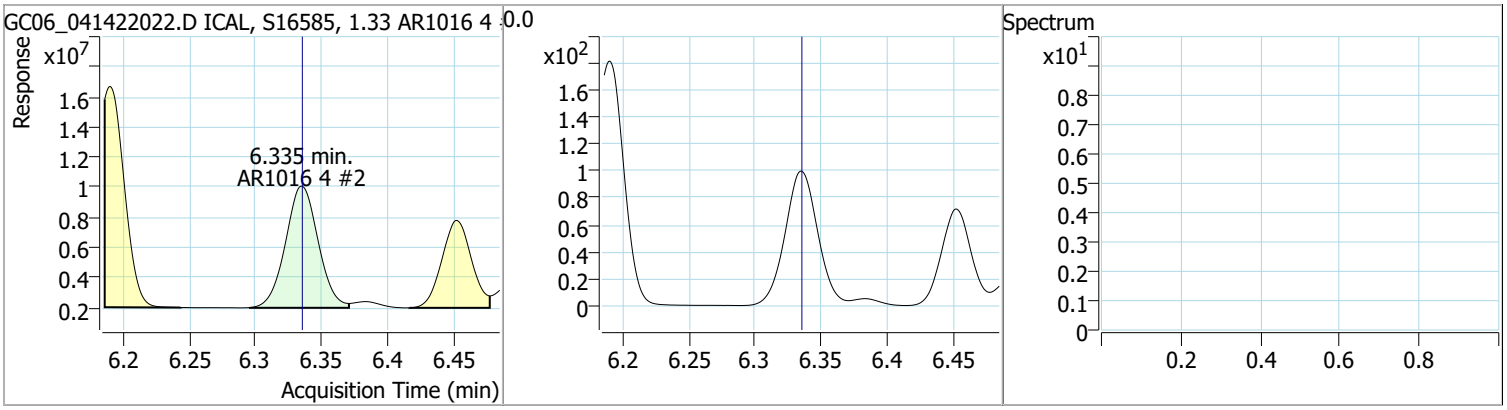
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	1406.8752	6.19	0.00	20893358 (m)			



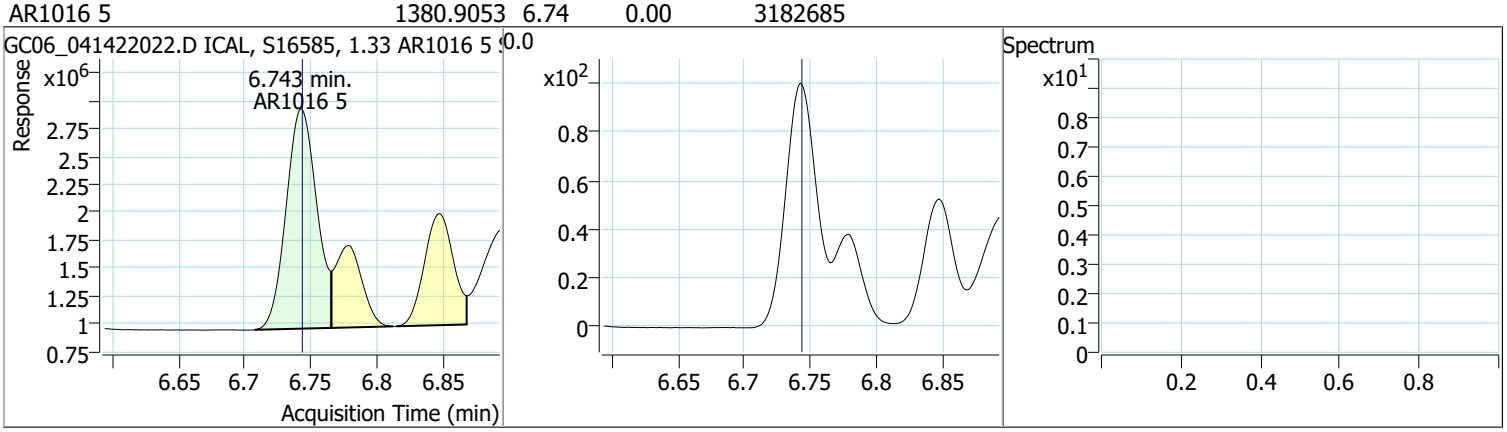
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	1399.2221	6.29	0.00	4168990			



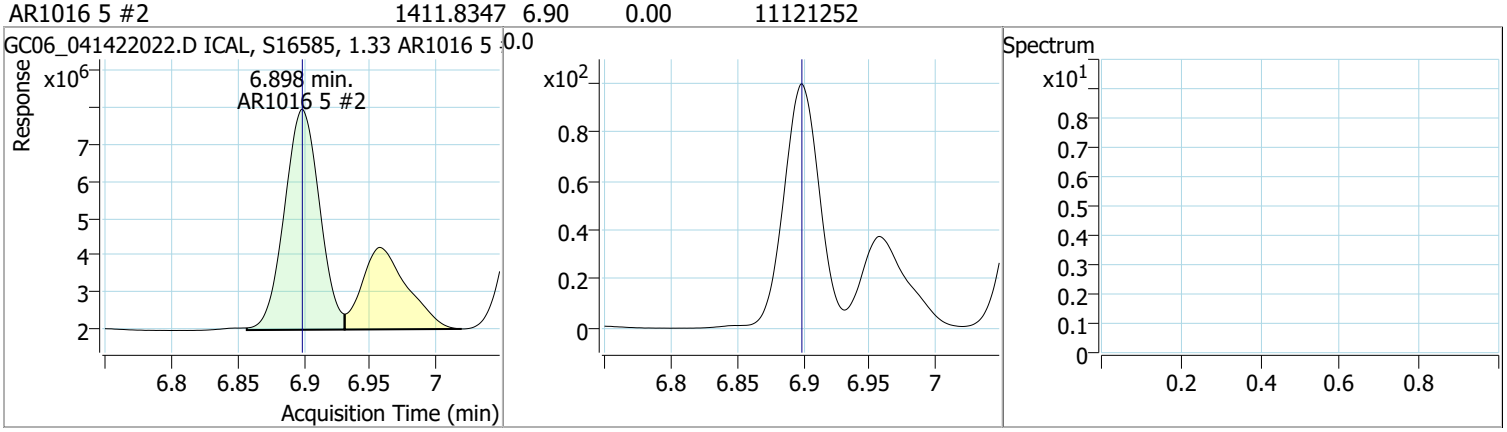
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	1383.1005	6.34	0.00	13935230			



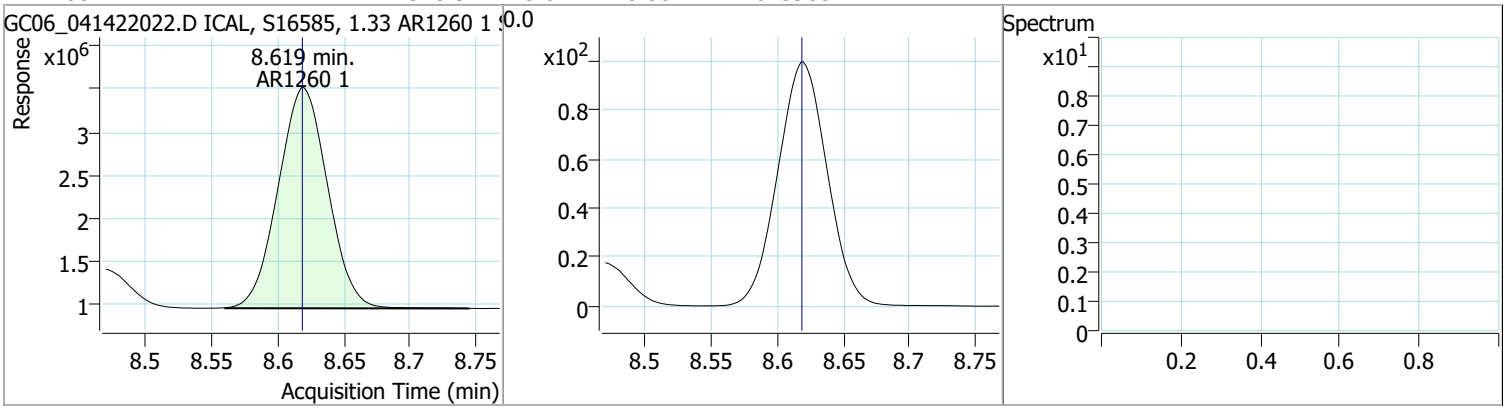
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	1380.9053	6.74	0.00	3182685			



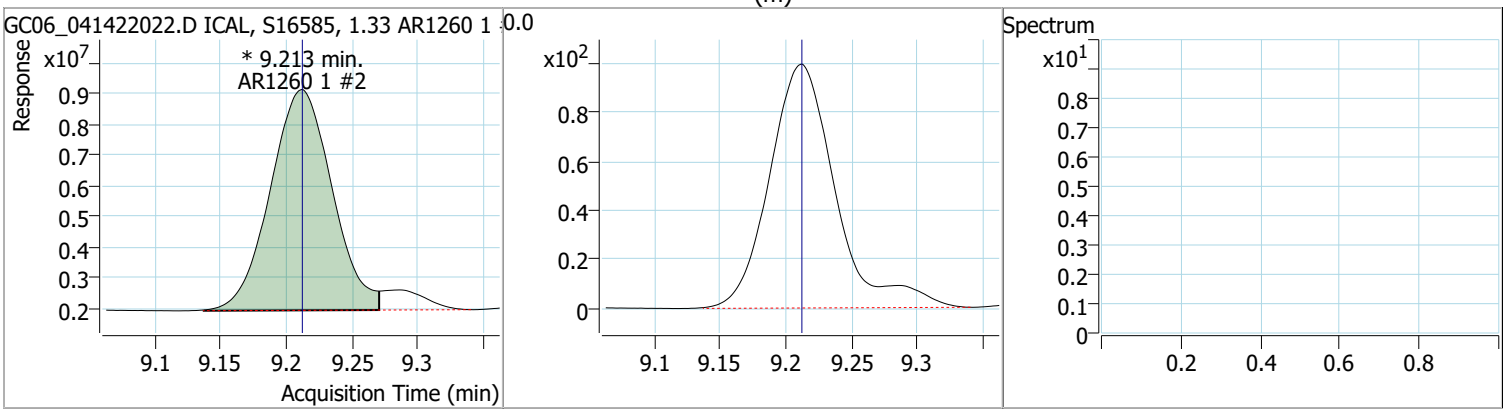
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	1411.8347	6.90	0.00	11121252			



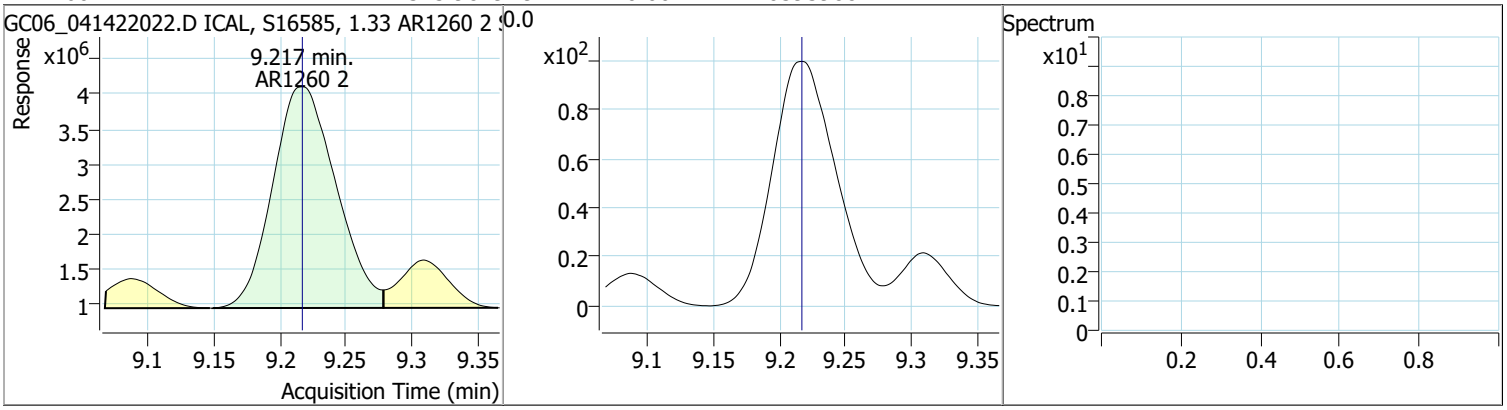
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	1348.3172	8.62	0.00	6739852			



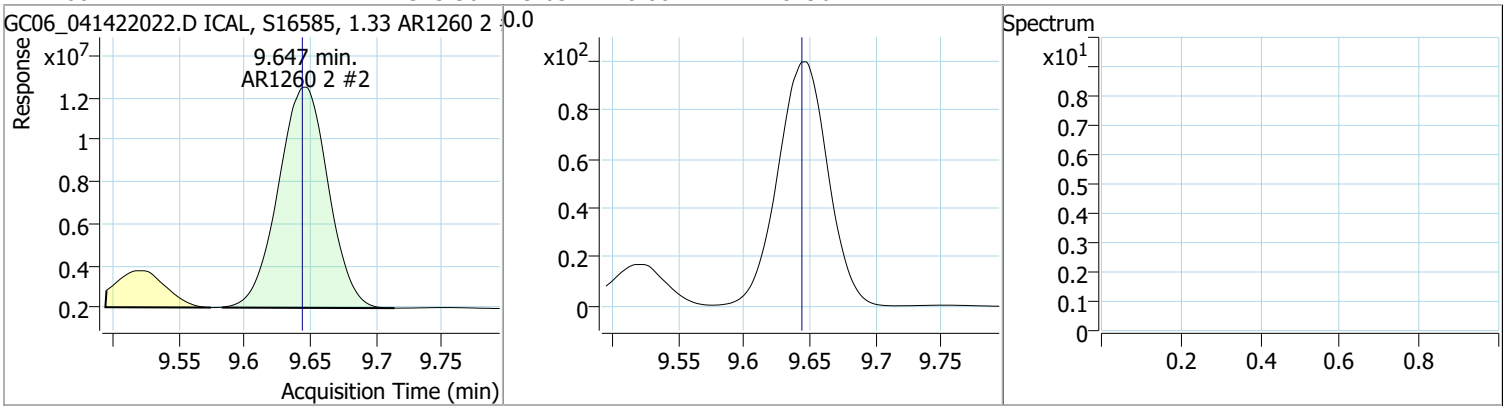
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	1340.8241	9.21	0.00	23514478 (m)			



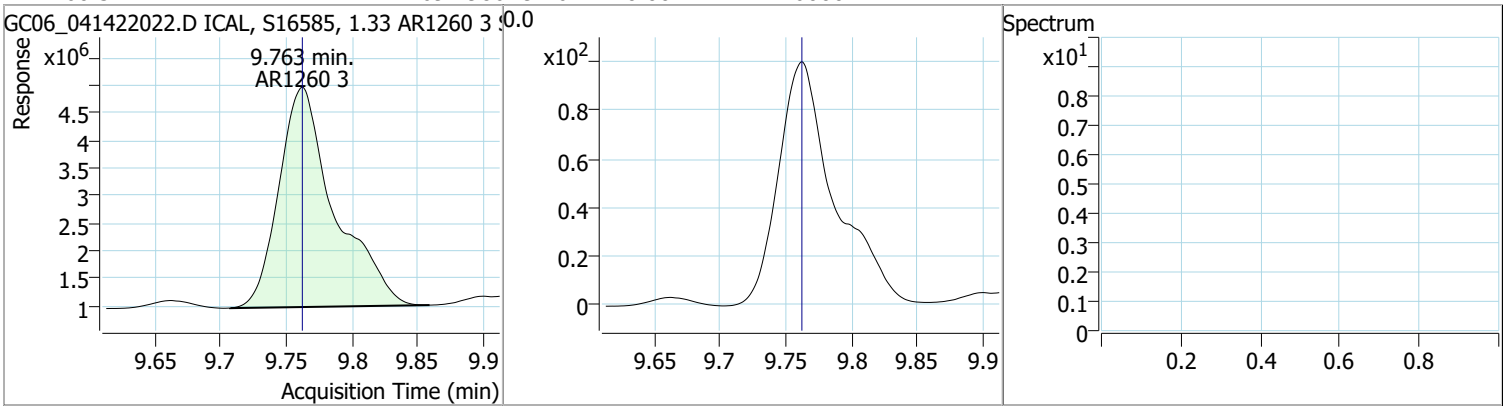
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	1375.9879	9.22	0.00	10593988			



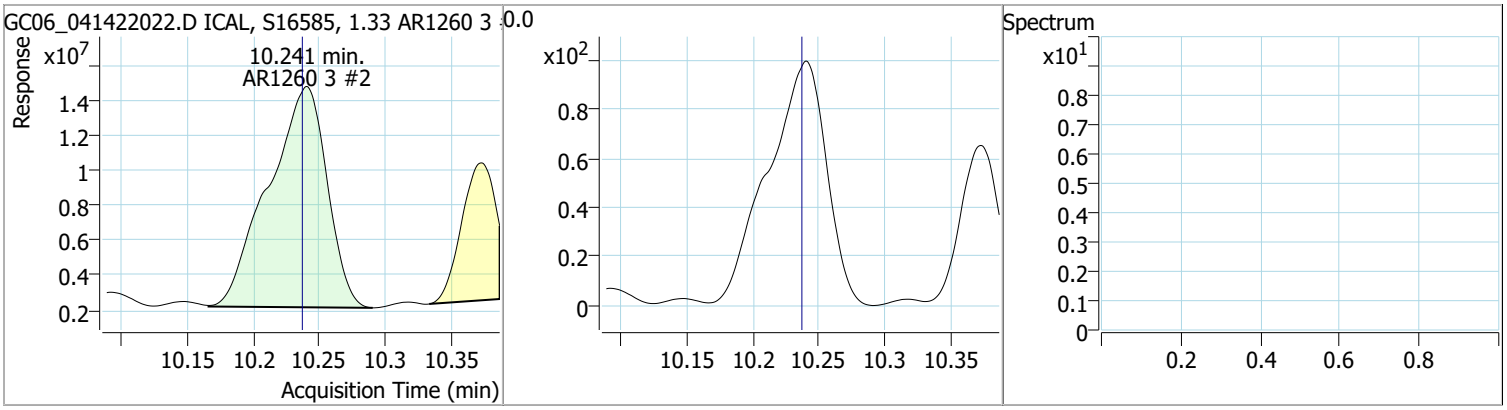
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	1373.3642	9.65	0.00	27829642			



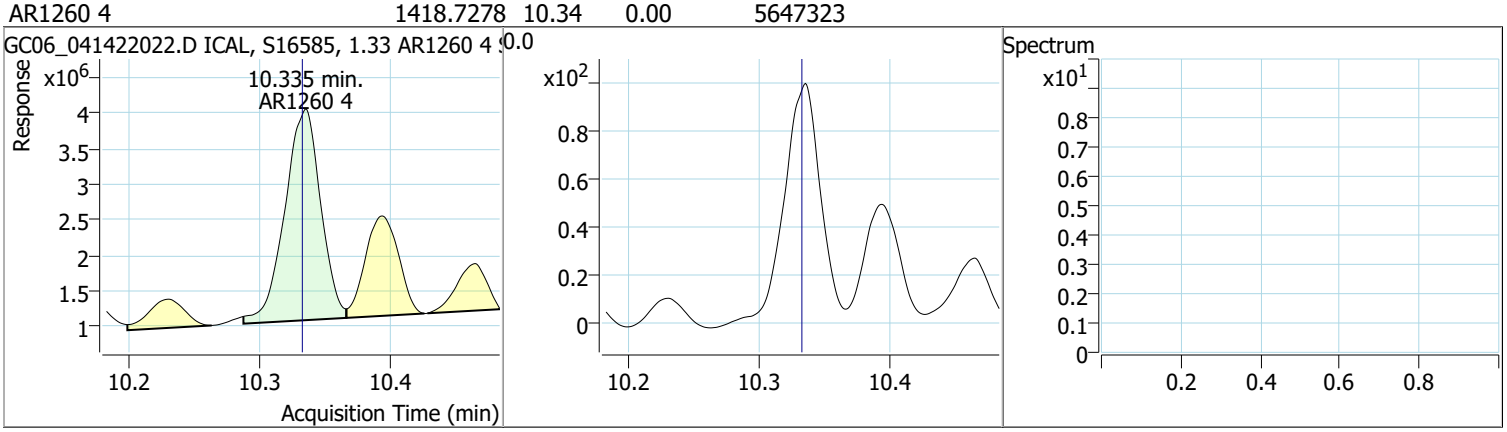
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	1469.2986	9.76	0.00	11760001			



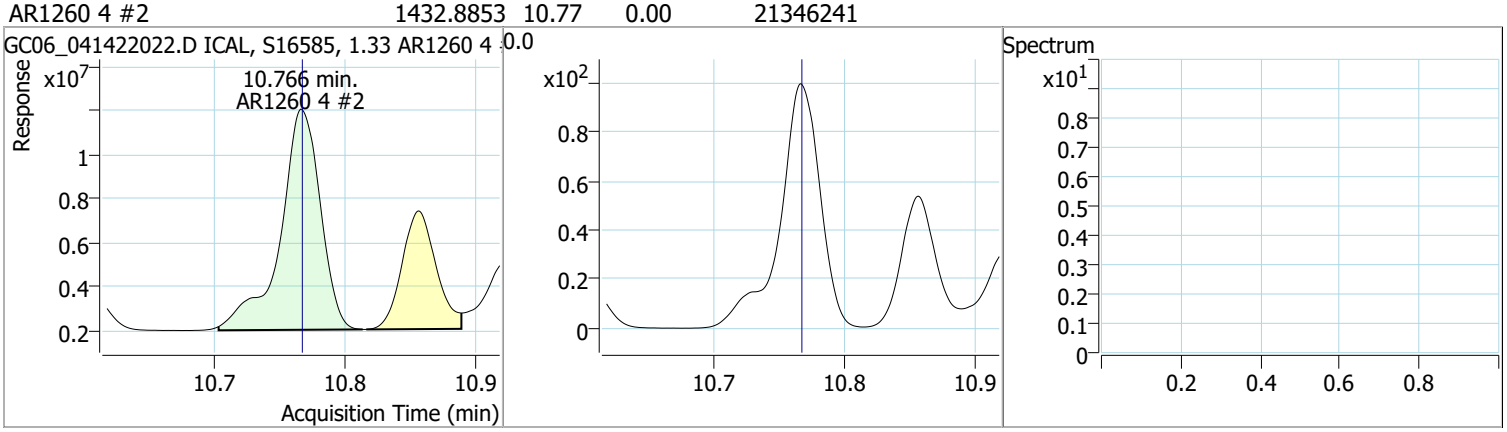
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	1418.6521	10.24	0.00	39056610			



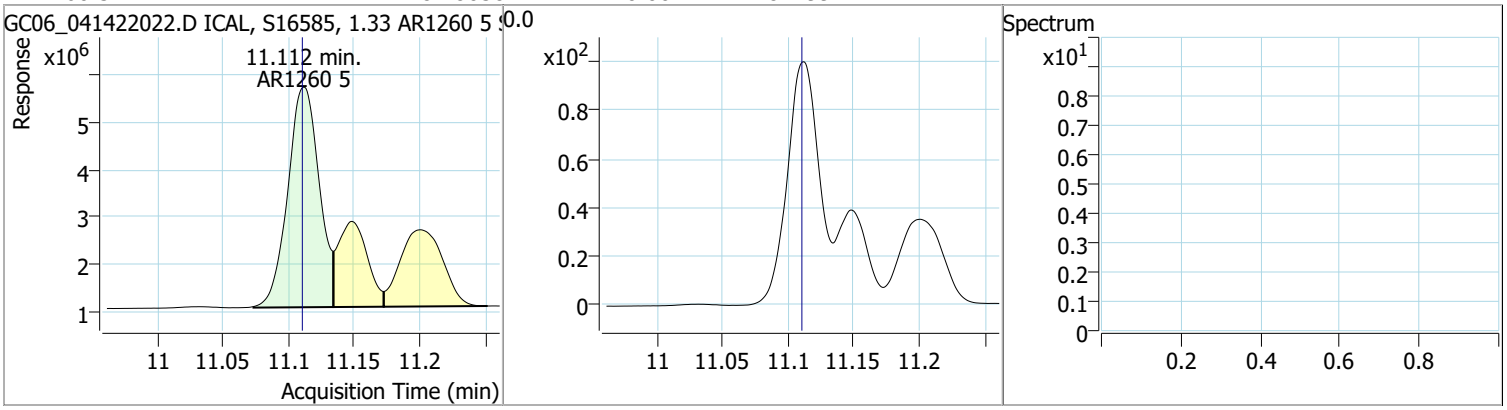
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	1418.7278	10.34	0.00	5647323			



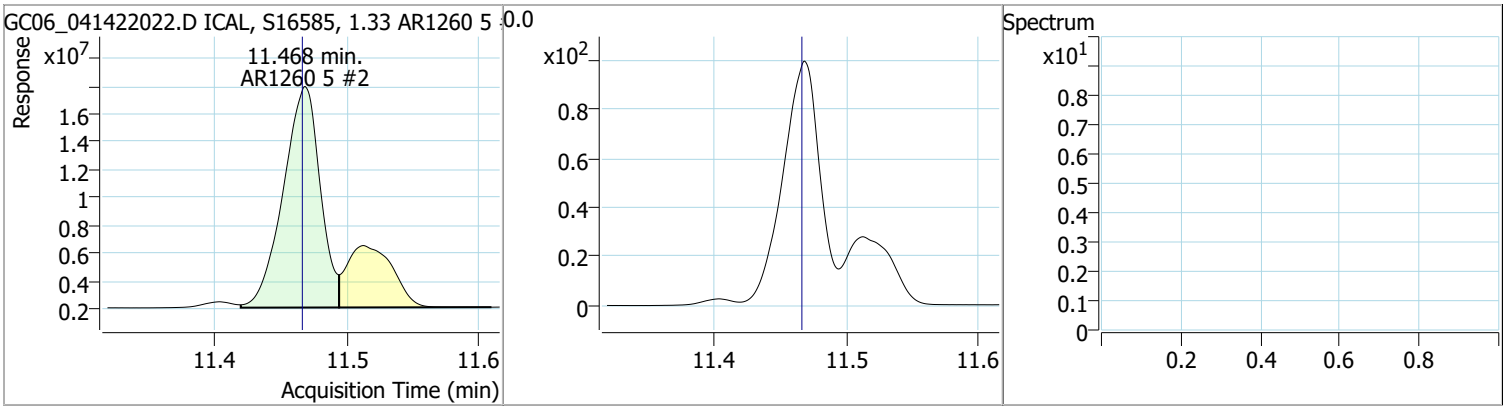
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	1432.8853	10.77	0.00	21346241			



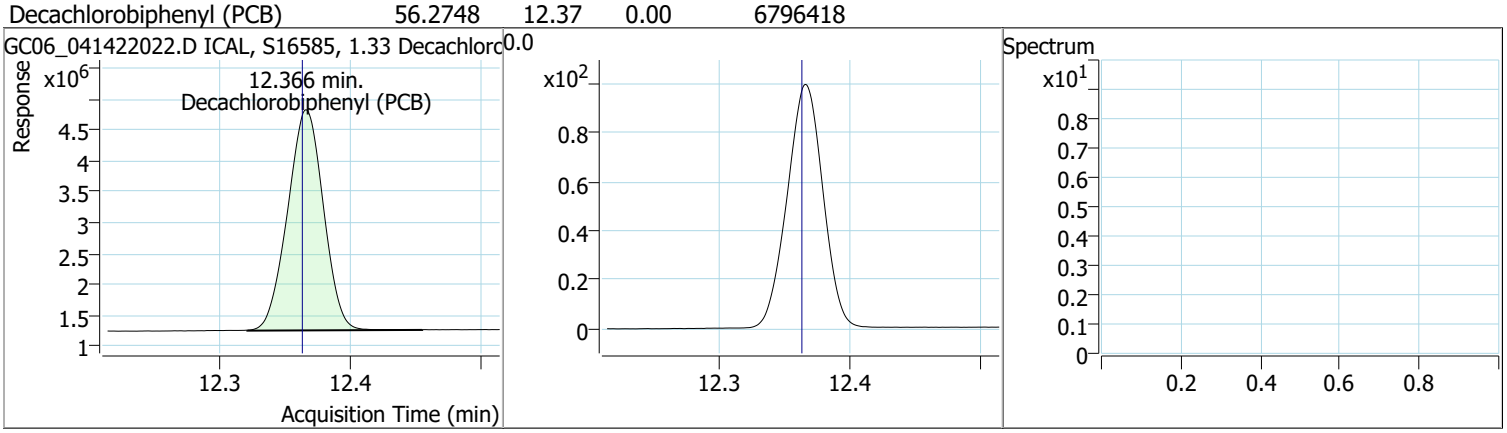
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	1482.8058	11.11	0.00	7811997			



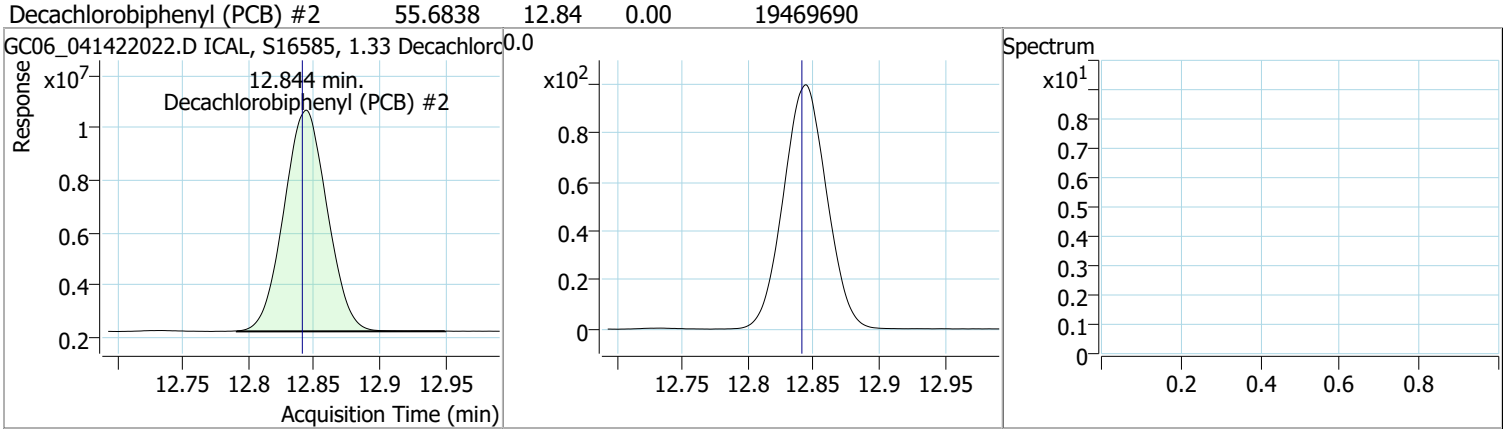
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	1414.8278	11.47	0.00	31074860			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	56.2748	12.37	0.00	6796418			

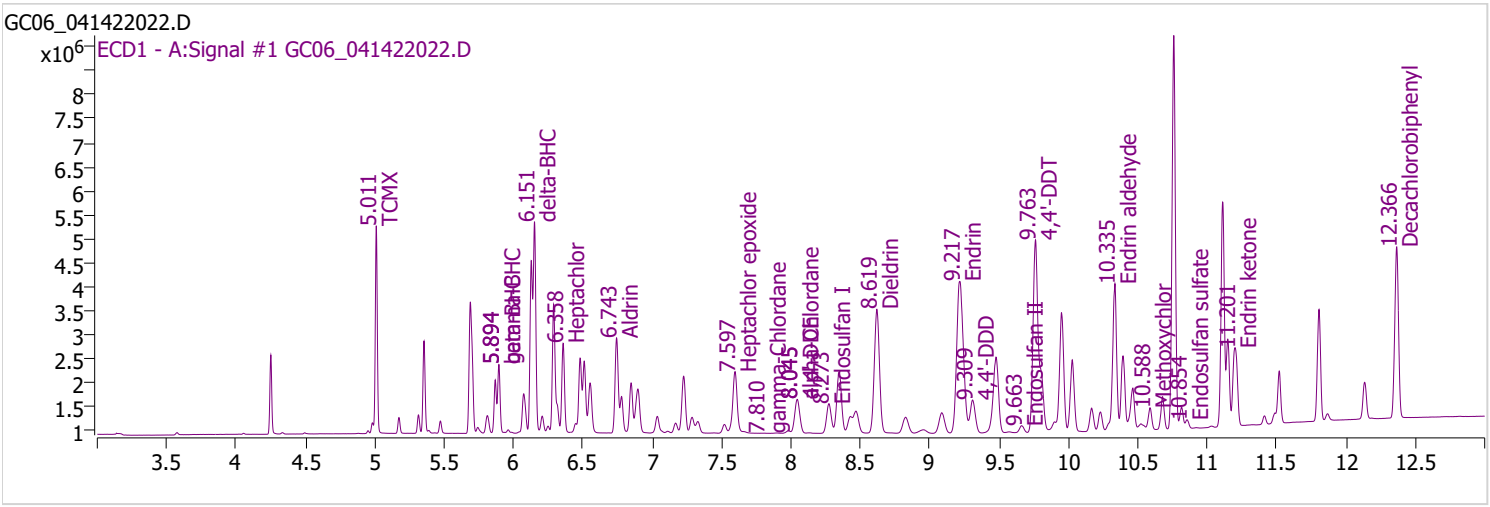


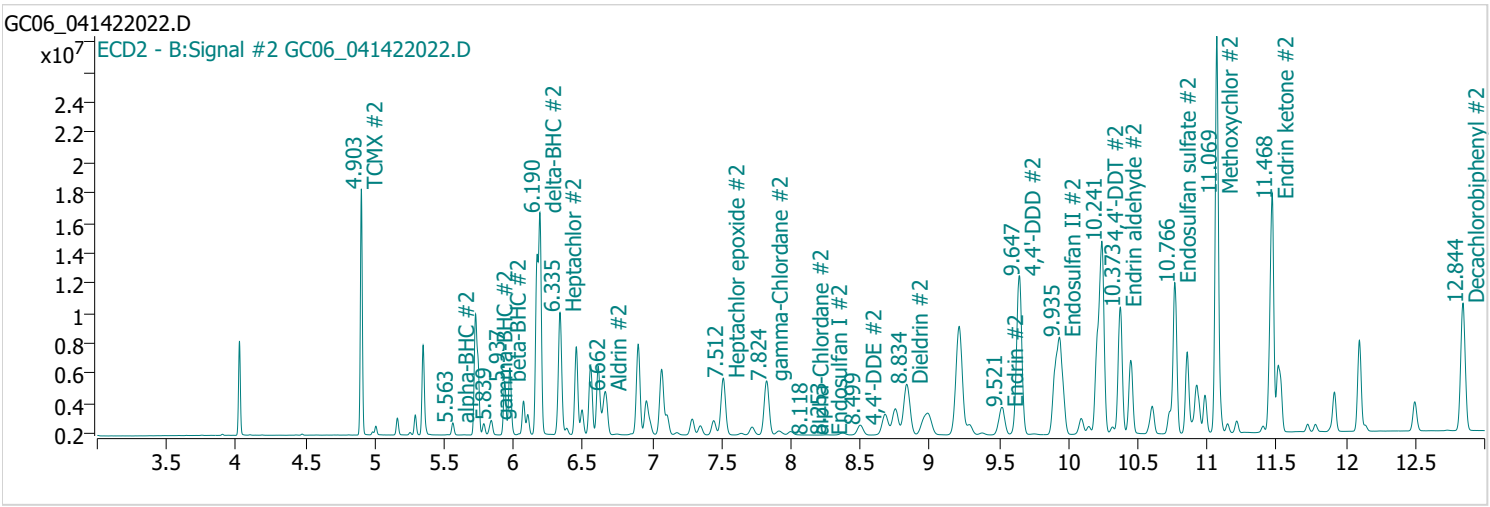
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	55.6838	12.84	0.00	19469690			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422022.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:44:14 PM
Sample Name	ICAL, S16585, 1.33	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 118	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 8:58:27 PM



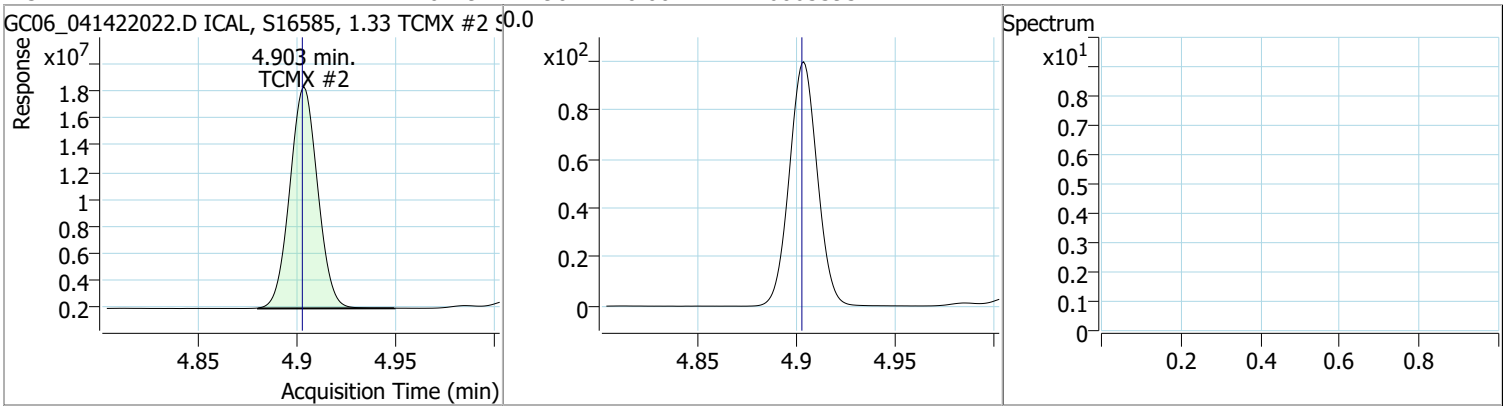


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.251	4.024	1579943	5794445	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.011	4.903	4410864	16065395	67.588	71.025	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	337.94% *	355.12% *	
S Decachlorobiphenyl	12.366	12.844	6789423	19302255	69.126	65.136	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	345.63% *	325.68% *	
Target Compounds							
T alpha-BHC	----	5.563 f	0	920345	N.D.	5.071 #	ng/ml
T gamma-BHC	5.894	5.839	1737182	1416221	30.444	7.657 #	ng/ml
T beta-BHC	5.894	5.937	1710136	4568637	56.192	39.999 #	ng/ml
T delta-BHC	6.151	6.190	5620220	35209398	68.047	84.716	ng/ml
T Heptachlor	6.358	6.335	2280047	13942615	37.500	51.437 #	ng/ml
T Aldrin	6.743	6.662 f	3182685	6459364	47.917	32.188 #	ng/ml
T Heptachlor epoxide	7.597	7.512	2723636	7838665	43.031	36.286	ng/ml
T gamma-Chlordane	7.810	7.824	3036	8770743	0.067	37.329 #	ng/ml
T alpha-Chlordane	8.045	8.118	1098356	2682	22.184	0.016 #	ng/ml

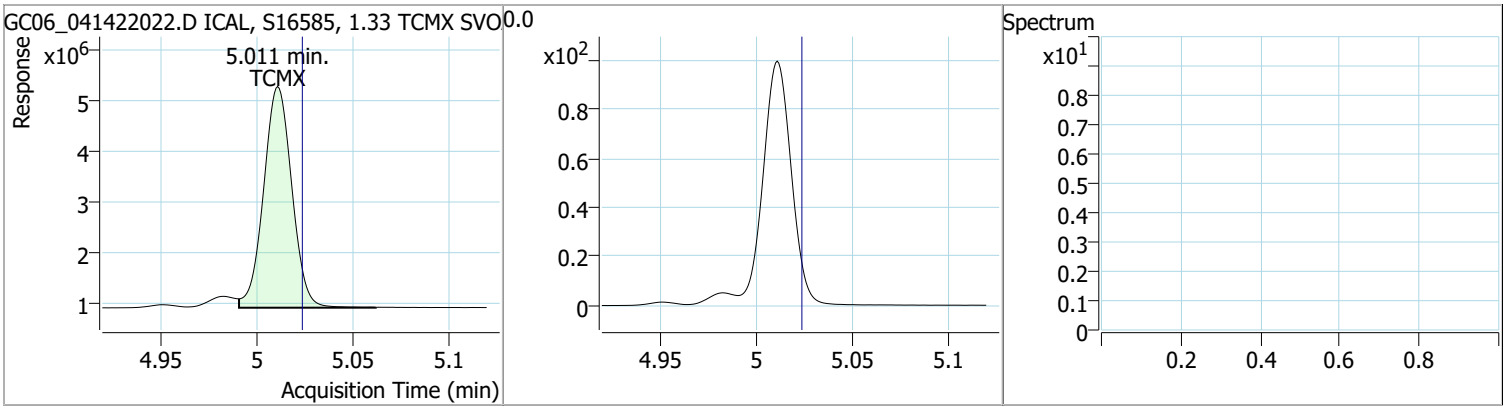
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.273	8.253	1358875	32827	28.680	0.220 #	ng/ml
T 4,4'-DDE	8.045	8.499 f	1694921	1906361	35.239	12.910 #	ng/ml
T Dieldrin	8.619	8.834	6612828	9357717	98.238	51.019 #	ng/ml
T Endrin	9.217	9.521	9777241	5338414	133.425	33.443 #	ng/ml
T 4,4'-DDD	9.309	9.647 f	1066737	25591467	30.533	145.260 #	ng/ml
T Endosulfan II	9.663	9.935 f	331711	26330722	7.652	111.649 #	ng/ml
T 4,4'-DDT	9.763	10.241	11484924	38823043	193.253	142.253 #	ng/ml
T Endrin aldehyde	10.335	10.373	5263002	16803352	112.095	100.417	ng/ml
T Endosulfan sulfate	10.854	10.766	159468	21350803	4.140	108.863 #	ng/ml
T Methoxychlor	10.588	11.069 f	732597	43728207	29.406	404.795 #	ng/ml
T Endrin ketone	11.201	11.468 f	2936002	28593437	53.021	114.789 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

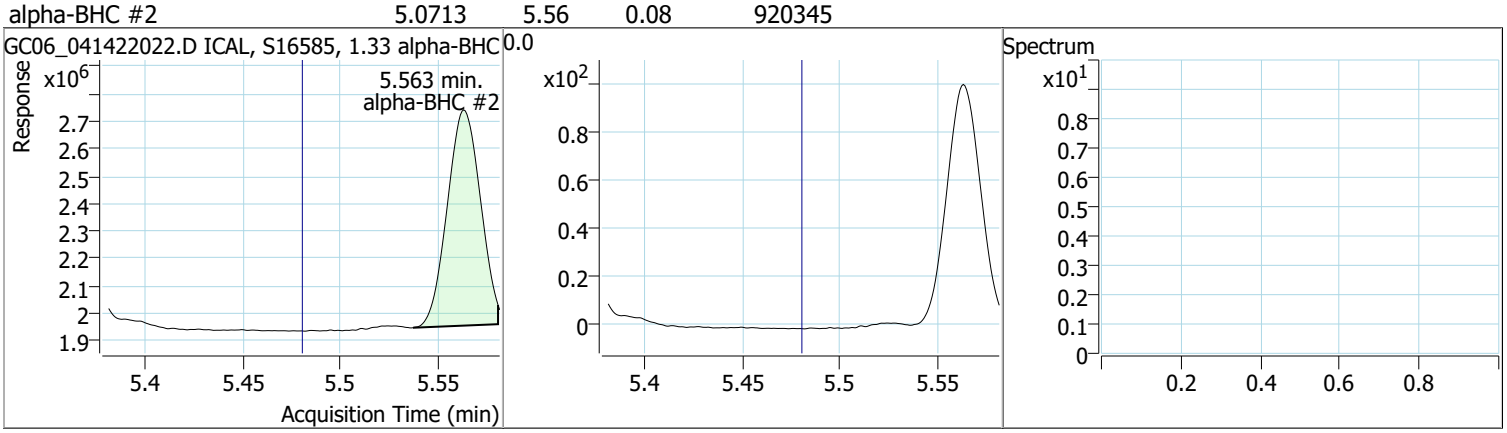
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	71.0249	4.90	0.00	16065395			



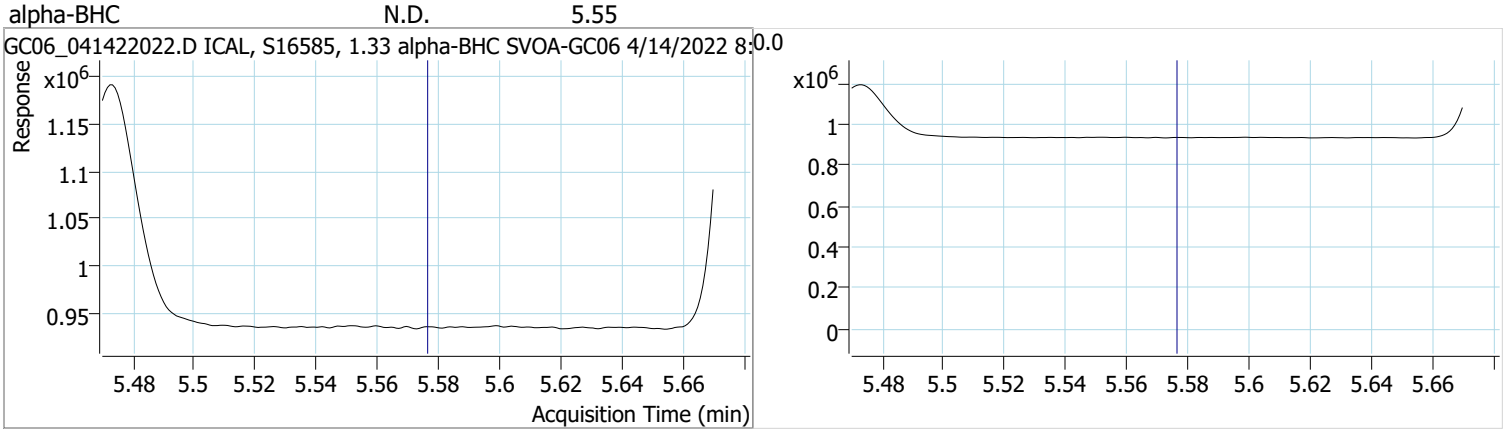
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	67.5880	5.01	0.01	4410864			



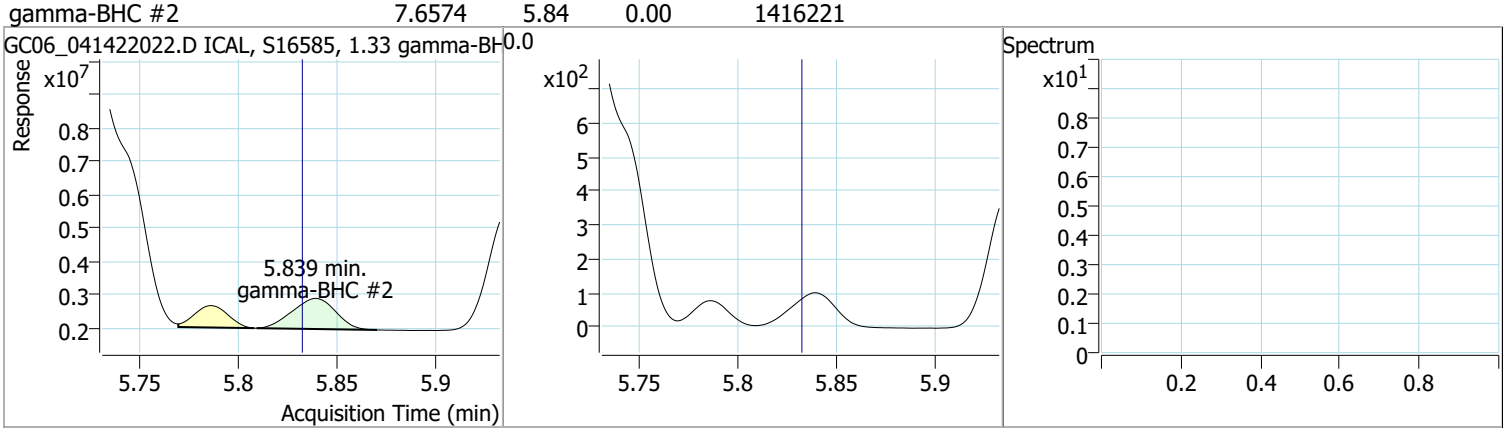
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	5.0713	5.56	0.08	920345			



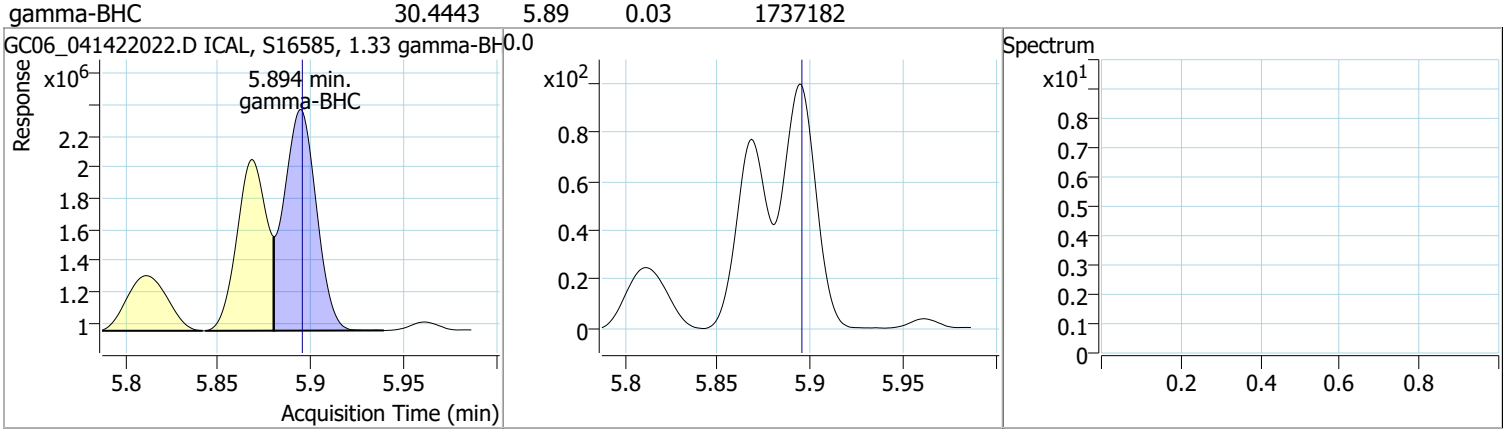
Compound	Conc.		Exp Ratio
alpha-BHC	N.D.	5.55	



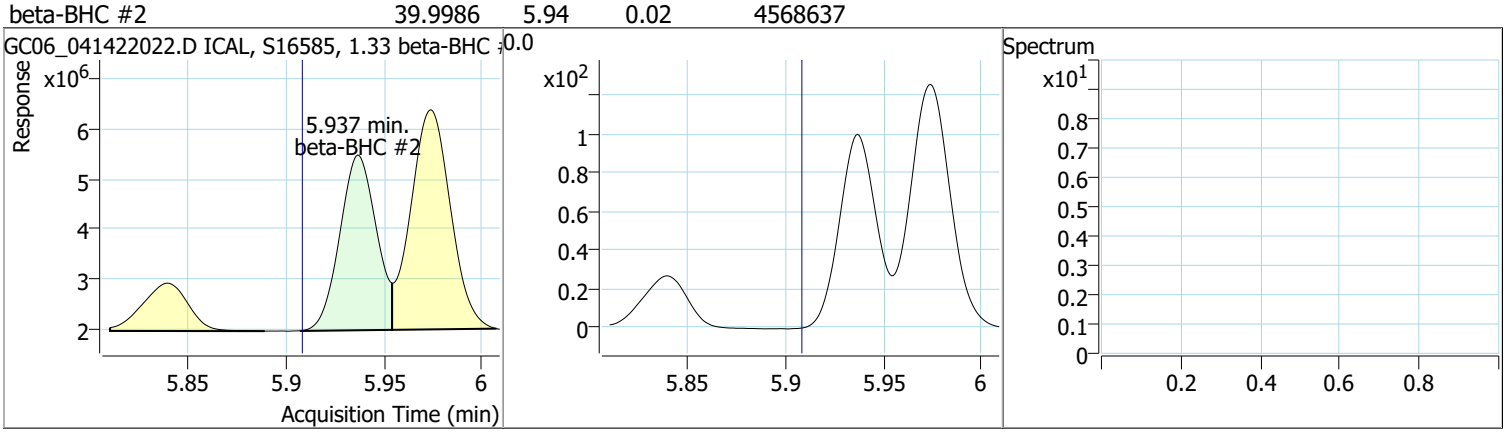
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	7.6574	5.84	0.00	1416221			



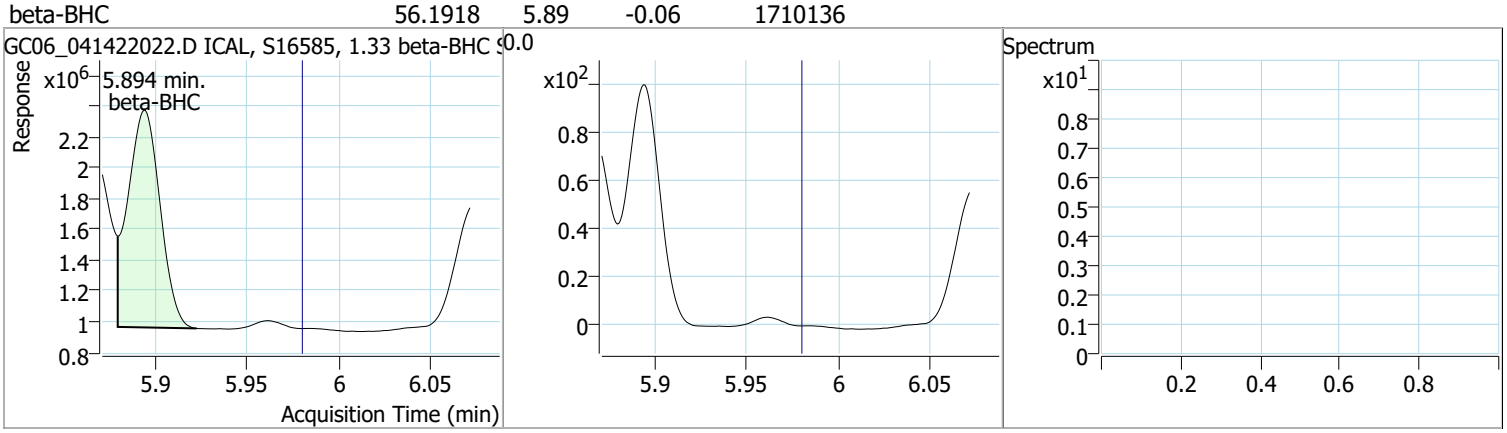
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	30.4443	5.89	0.03	1737182			



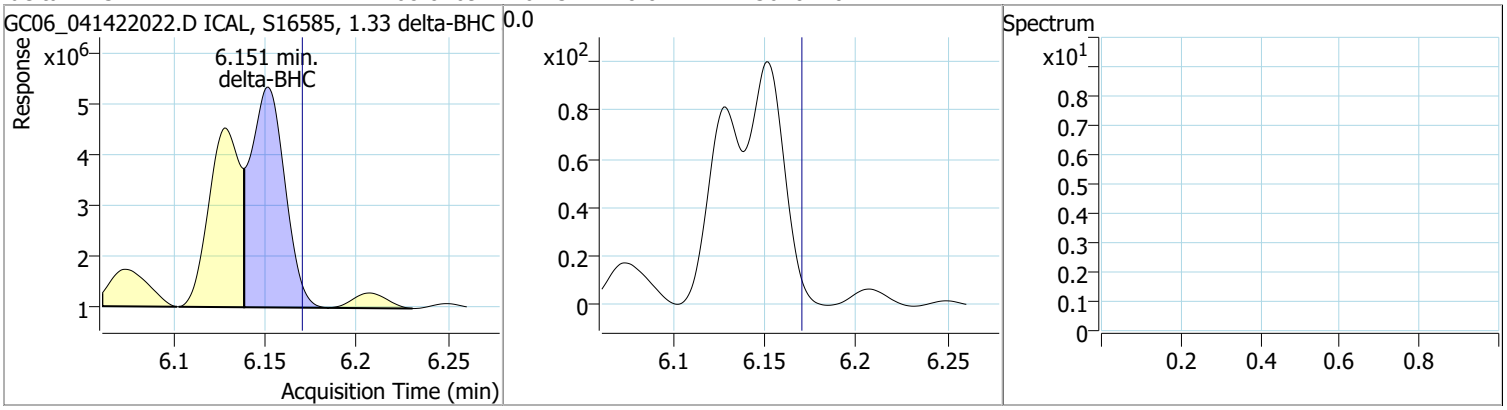
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	39.9986	5.94	0.02	4568637			



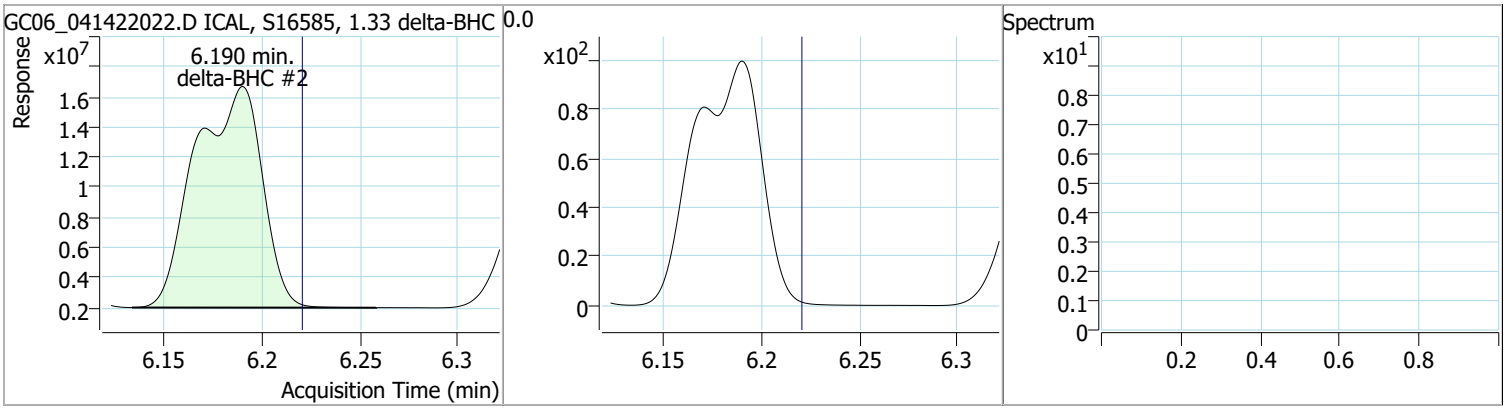
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	56.1918	5.89	-0.06	1710136			



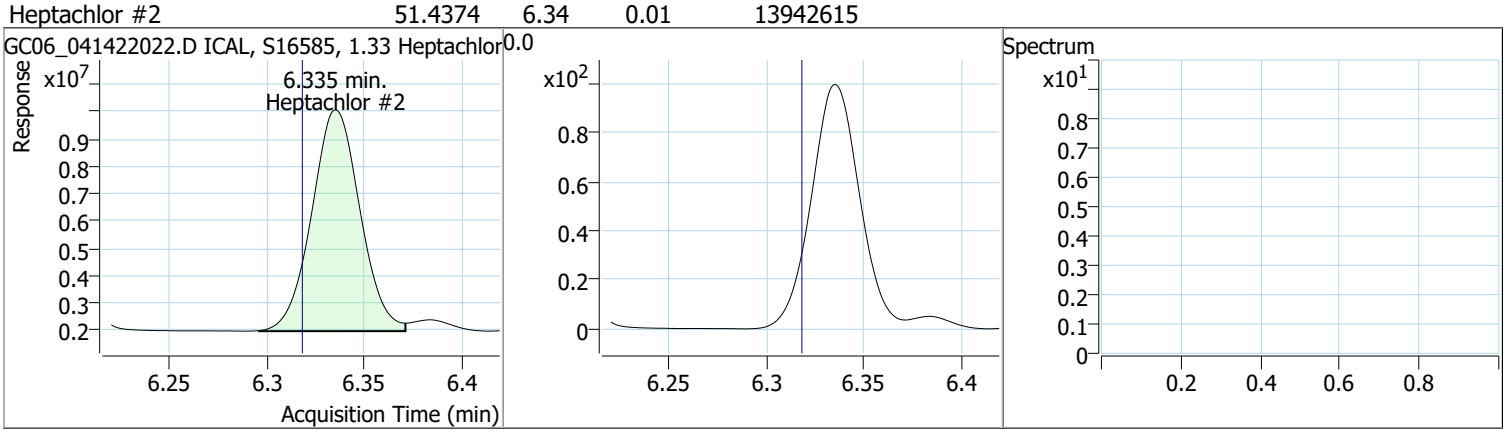
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	68.0469	6.15	0.01	5620220			



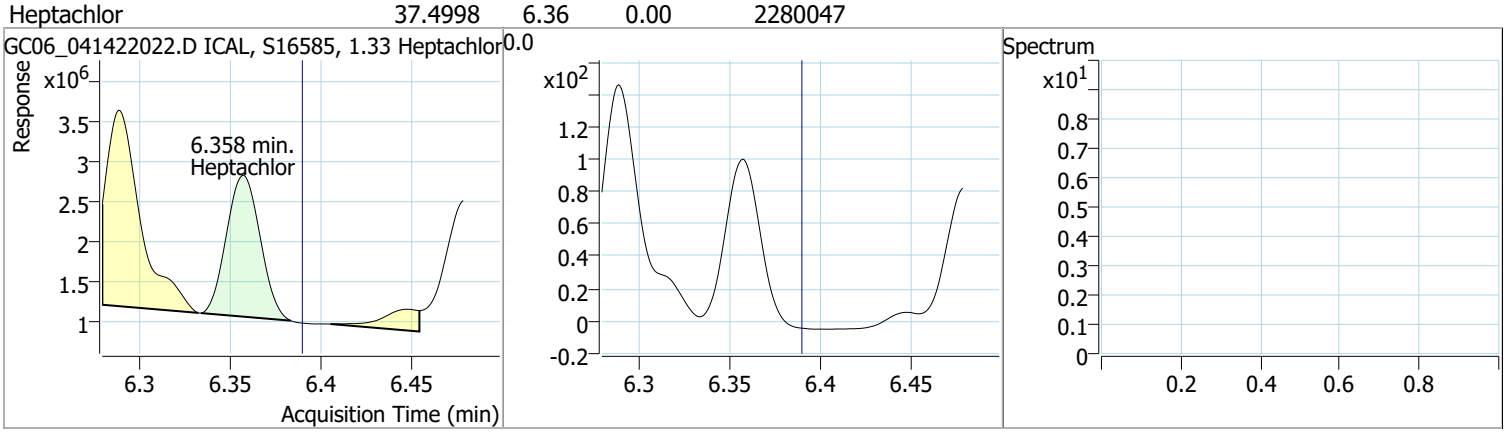
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	84.7155	6.19	-0.03	35209398			



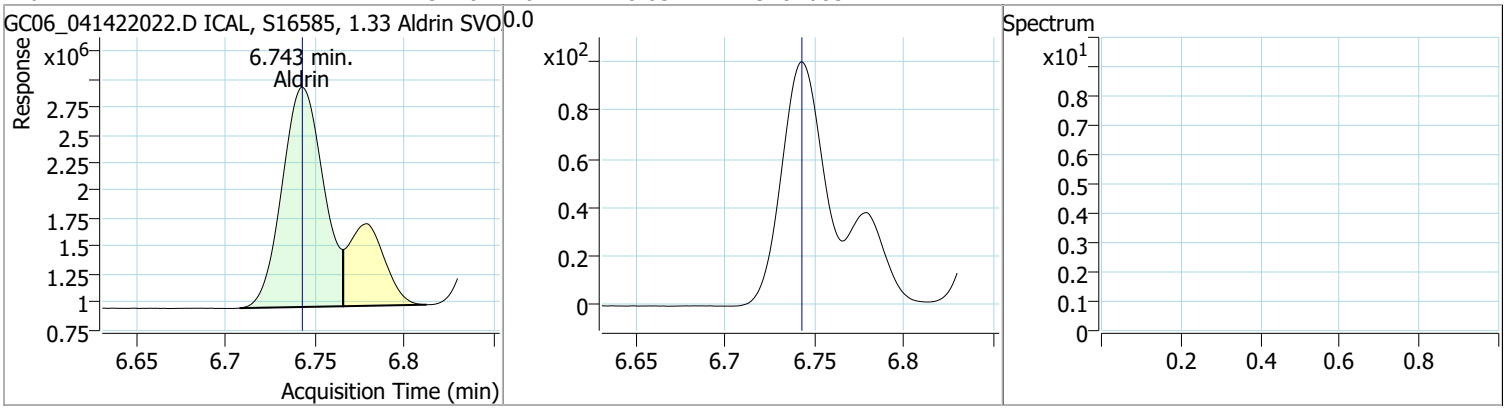
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	51.4374	6.34	0.01	13942615			



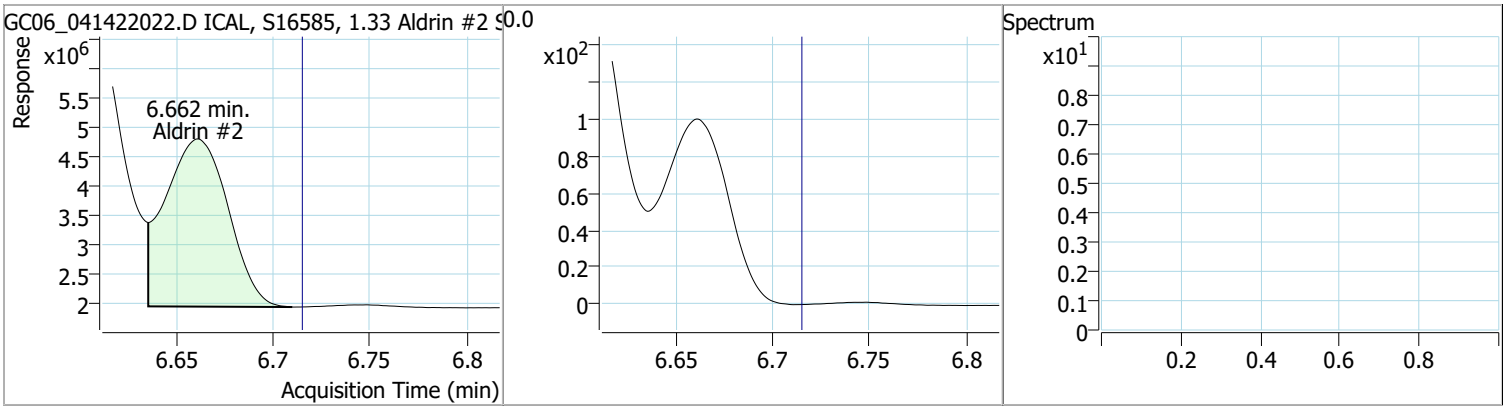
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	37.4998	6.36	0.00	2280047			



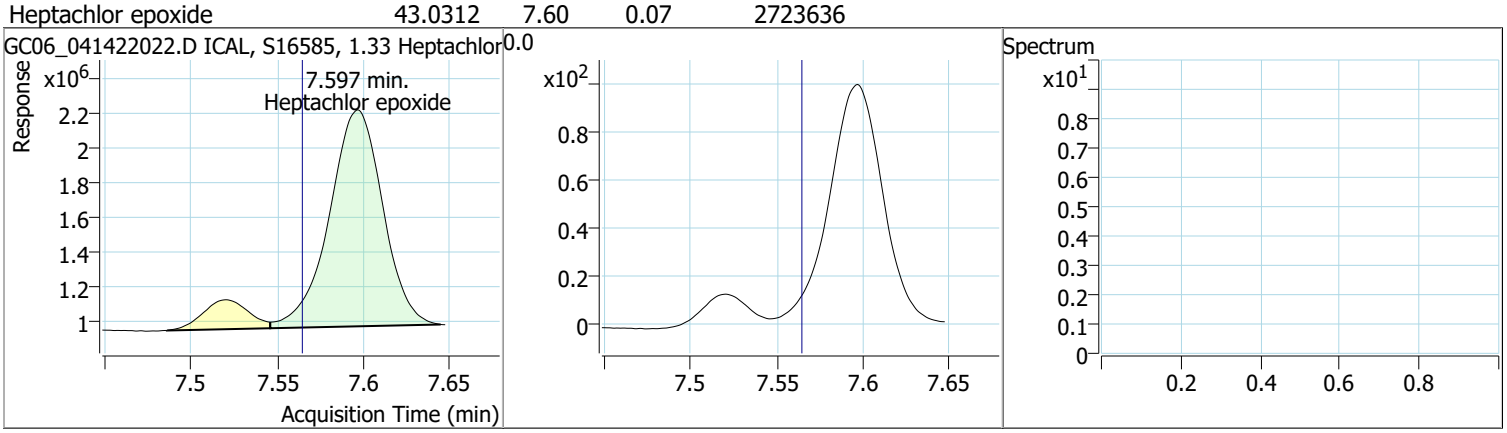
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	47.9170	6.74	0.03	3182685			



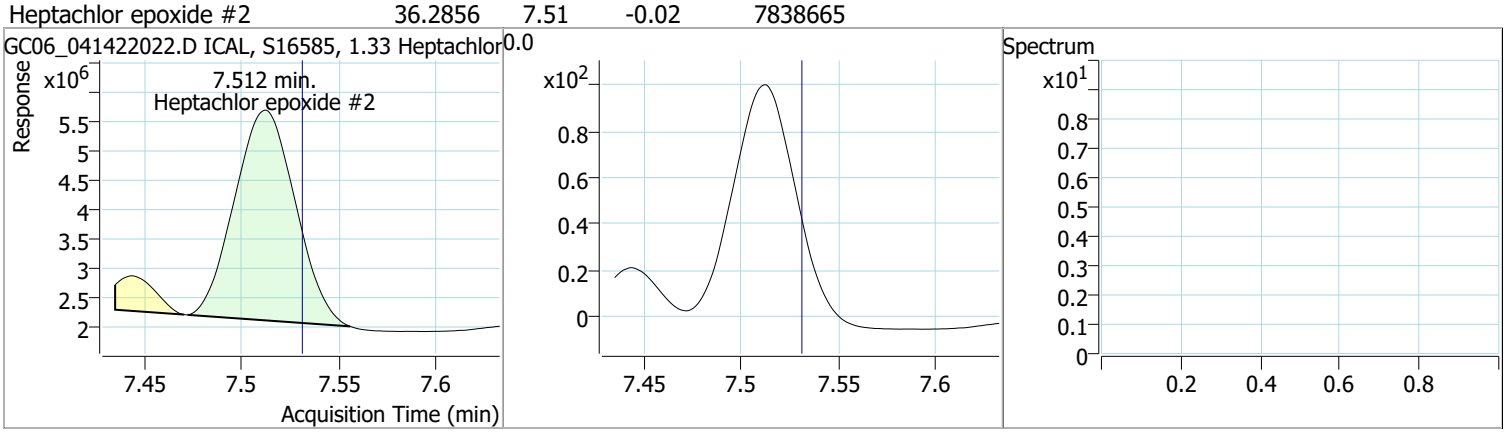
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	32.1876	6.66	-0.06	6459364			



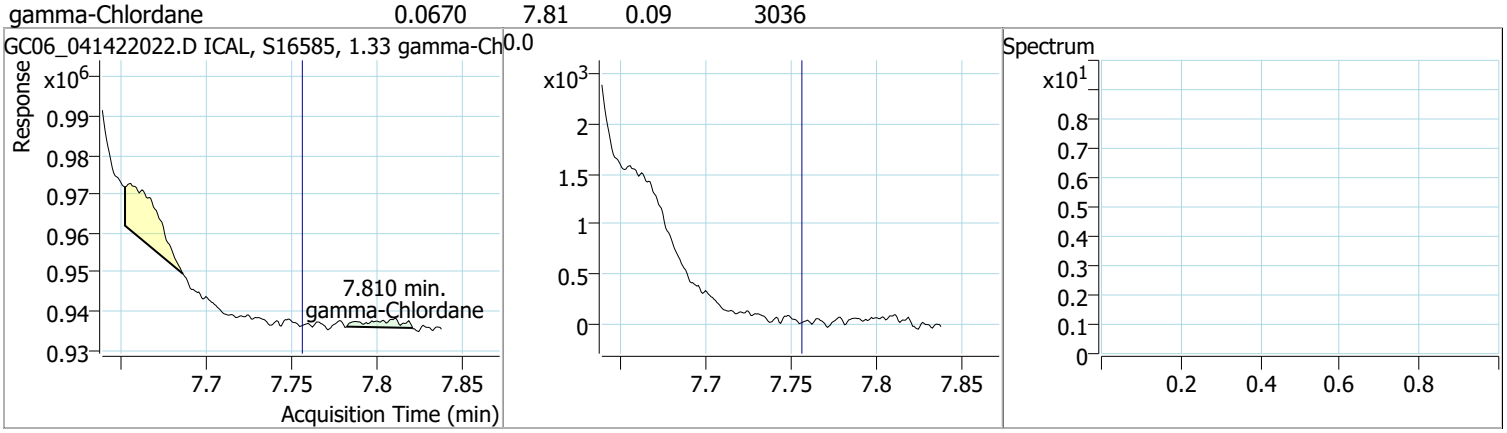
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	43.0312	7.60	0.07	2723636			



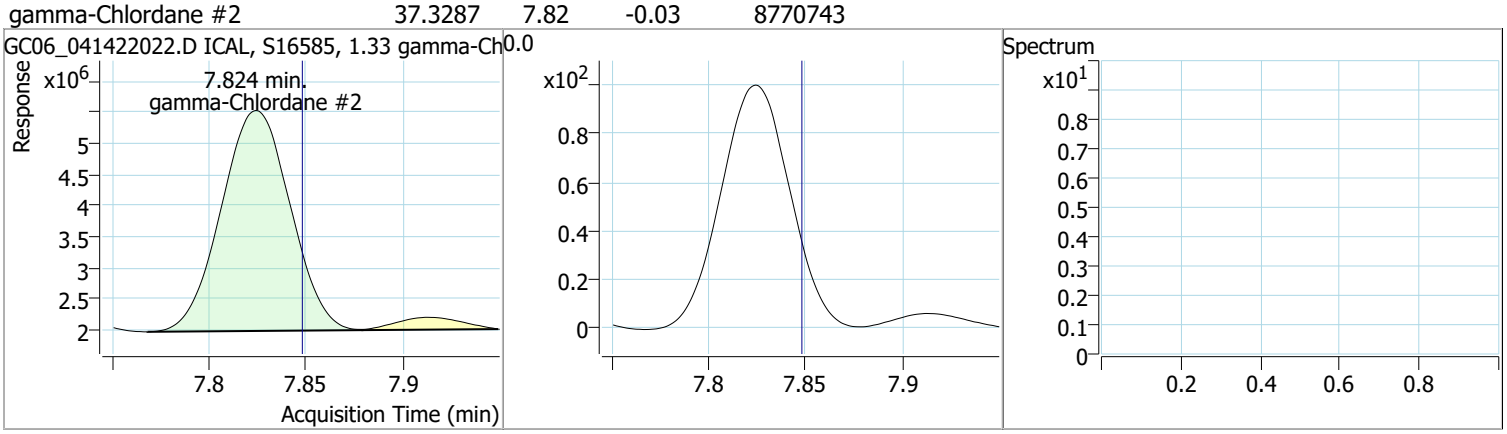
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	36.2856	7.51	-0.02	7838665			



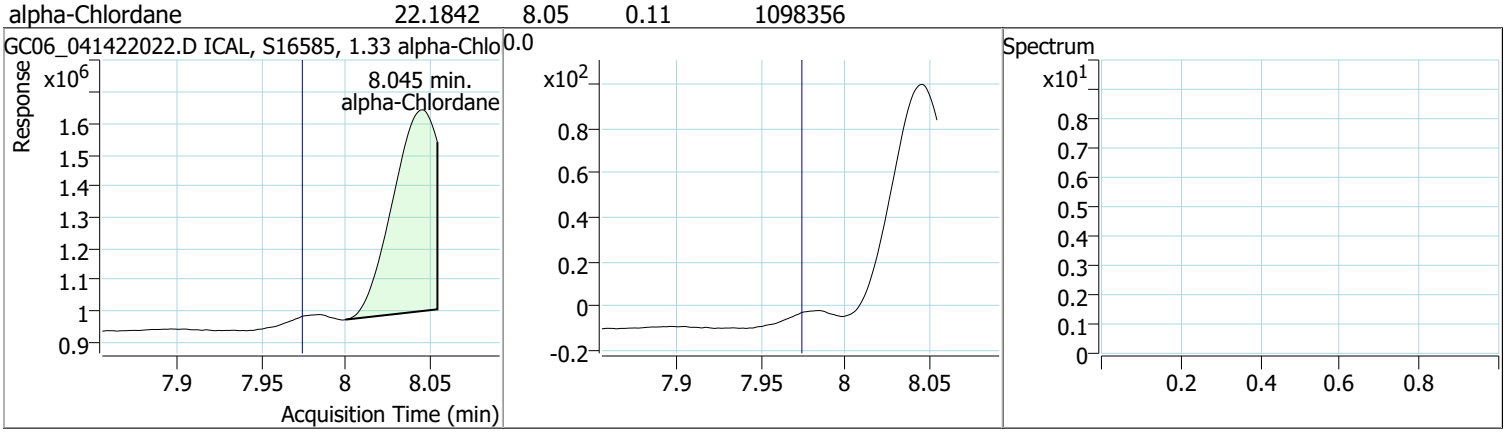
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0670	7.81	0.09	3036			



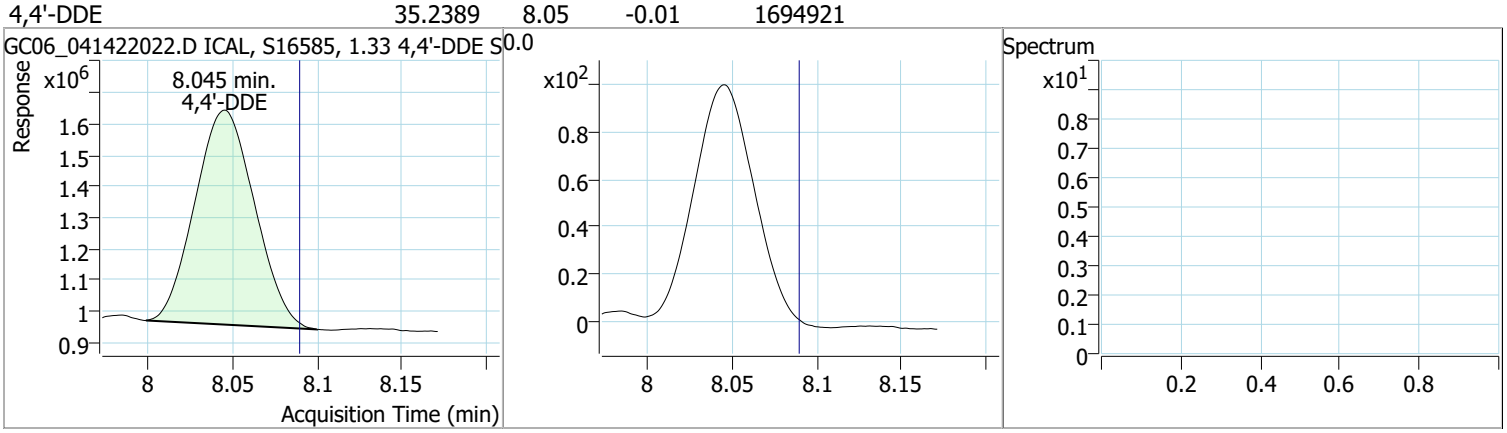
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	37.3287	7.82	-0.03	8770743			



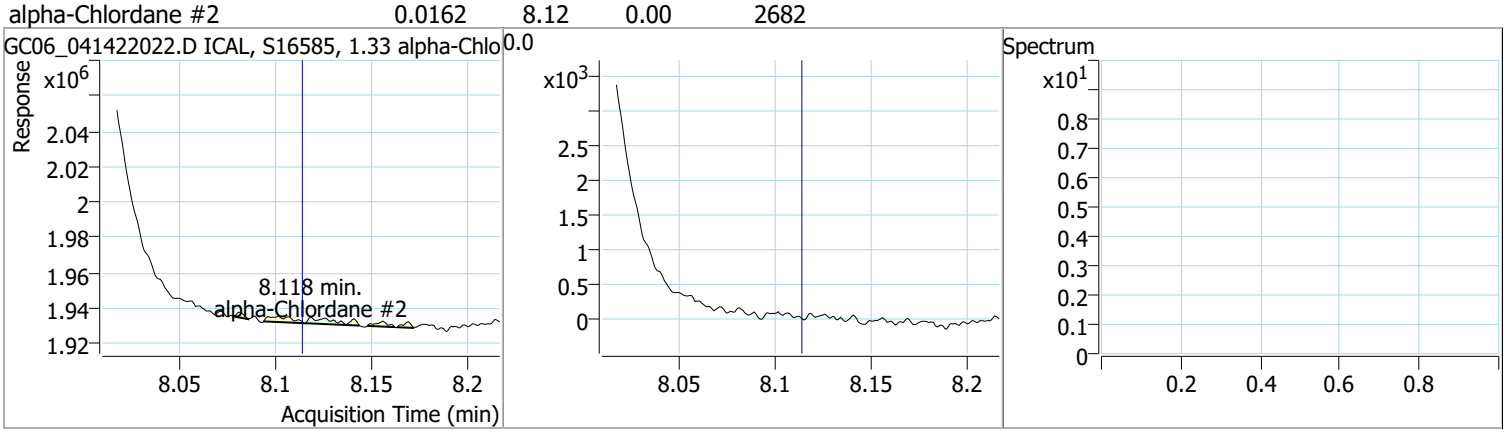
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	22.1842	8.05	0.11	1098356			



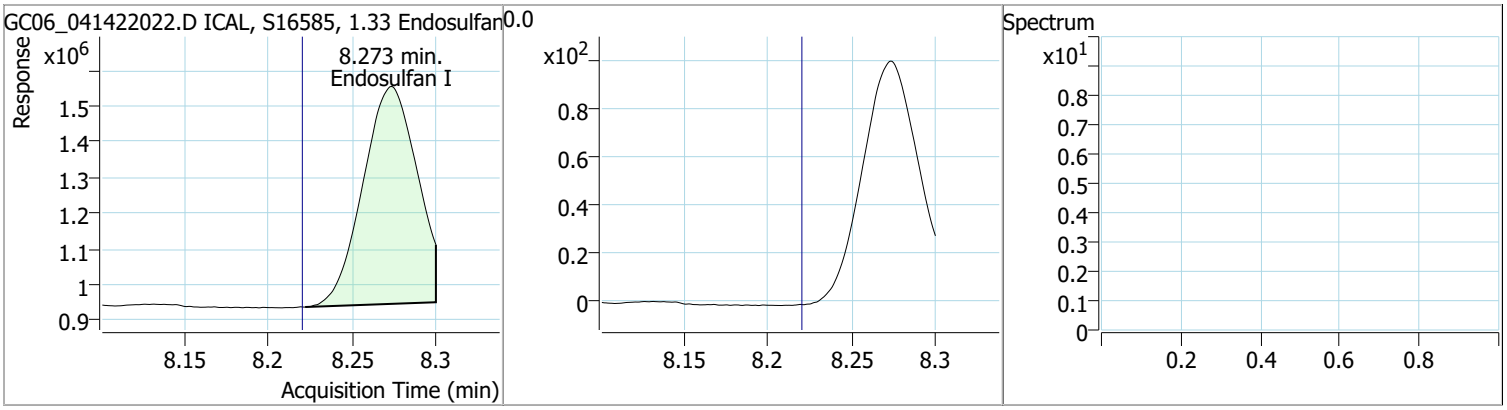
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	35.2389	8.05	-0.01	1694921			



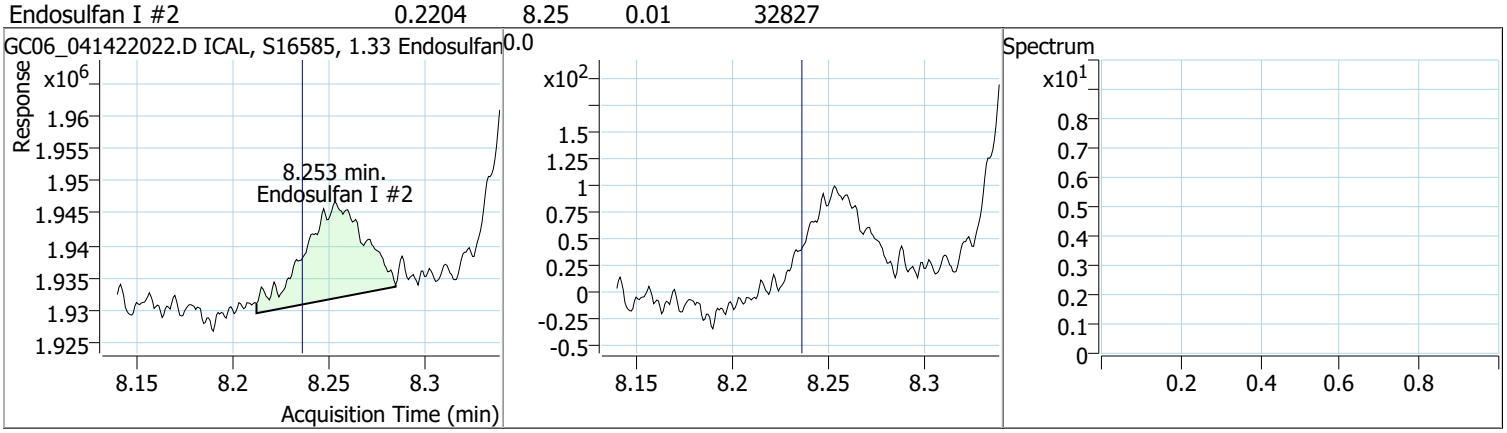
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0162	8.12	0.00	2682			



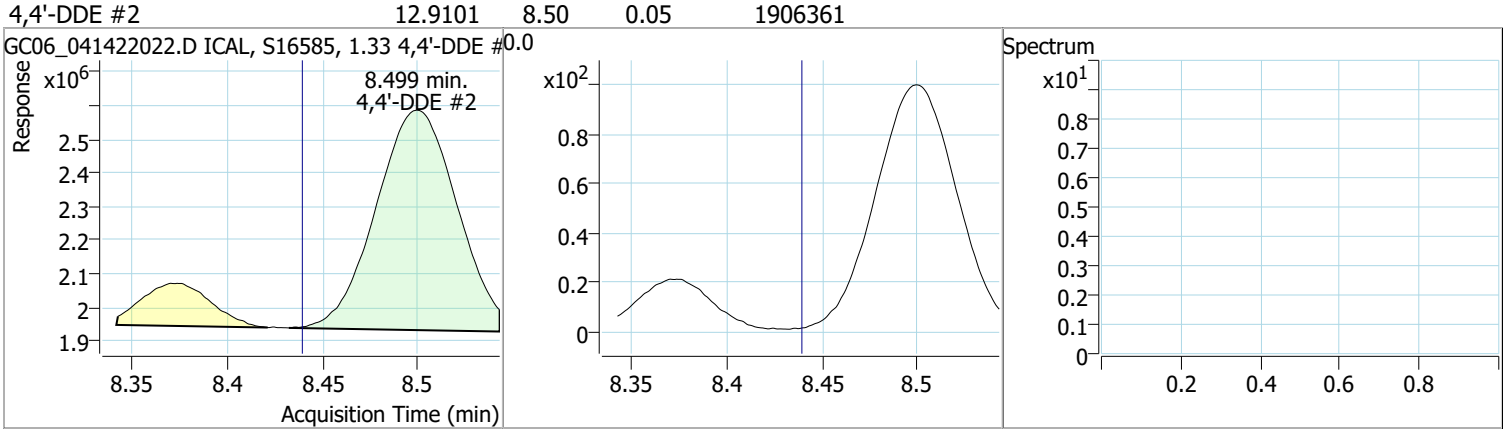
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	28.6798	8.27	0.09	1358875			



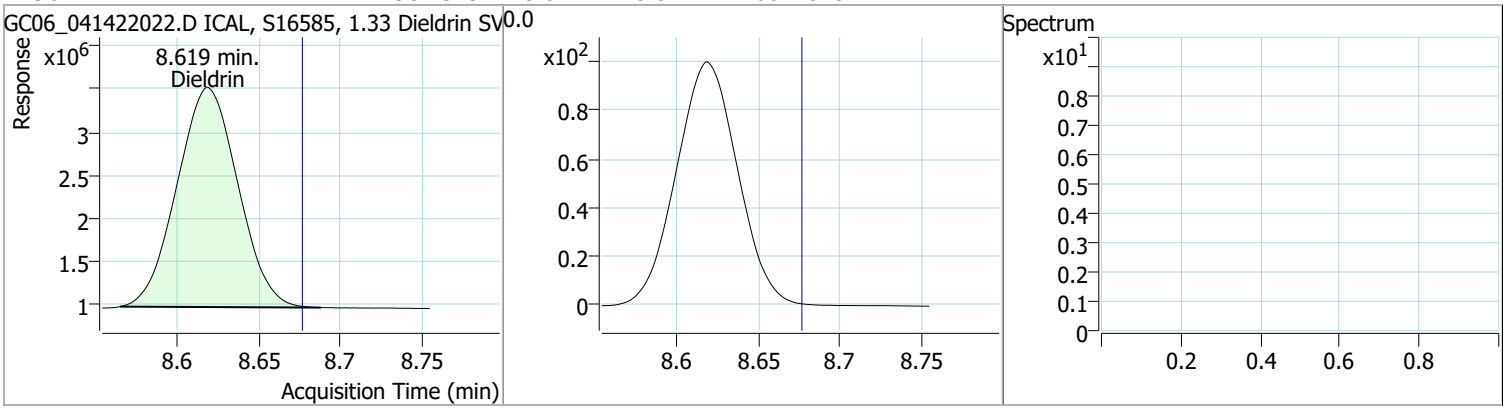
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.2204	8.25	0.01	32827			



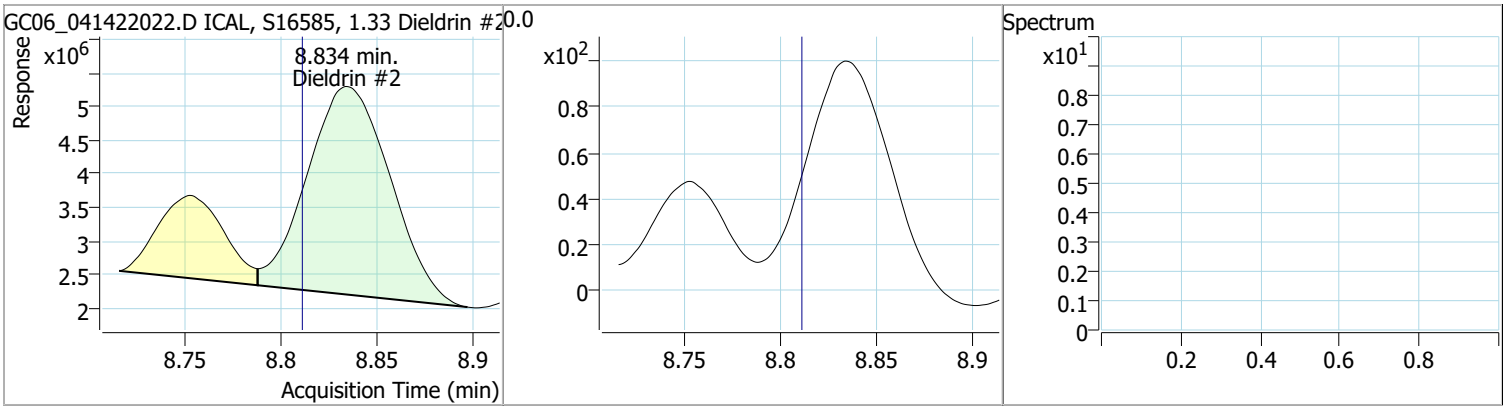
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	12.9101	8.50	0.05	1906361			



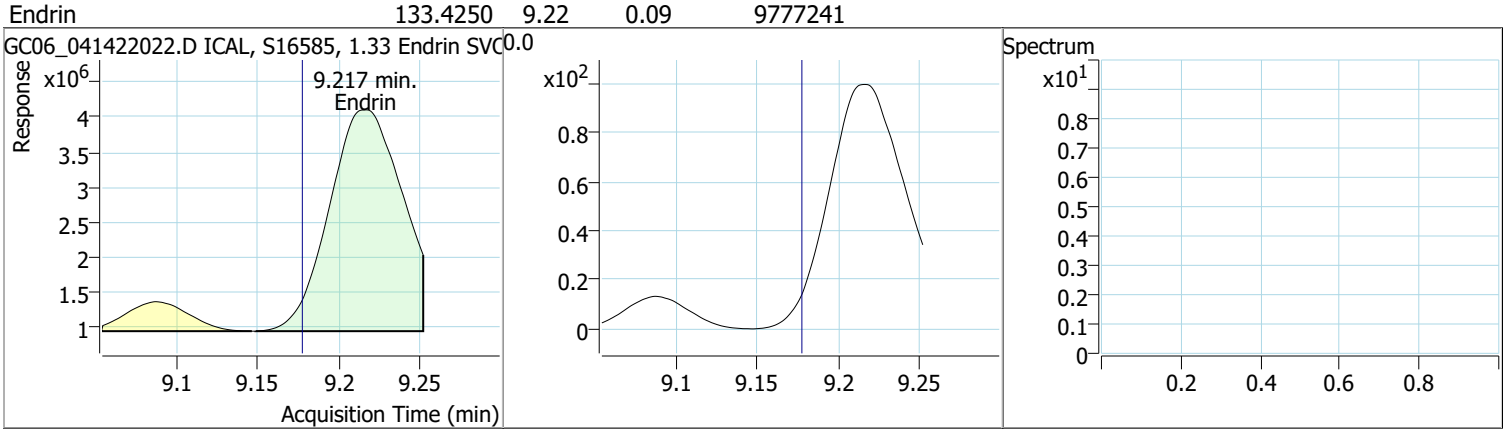
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	98.2375	8.62	-0.01	6612828			



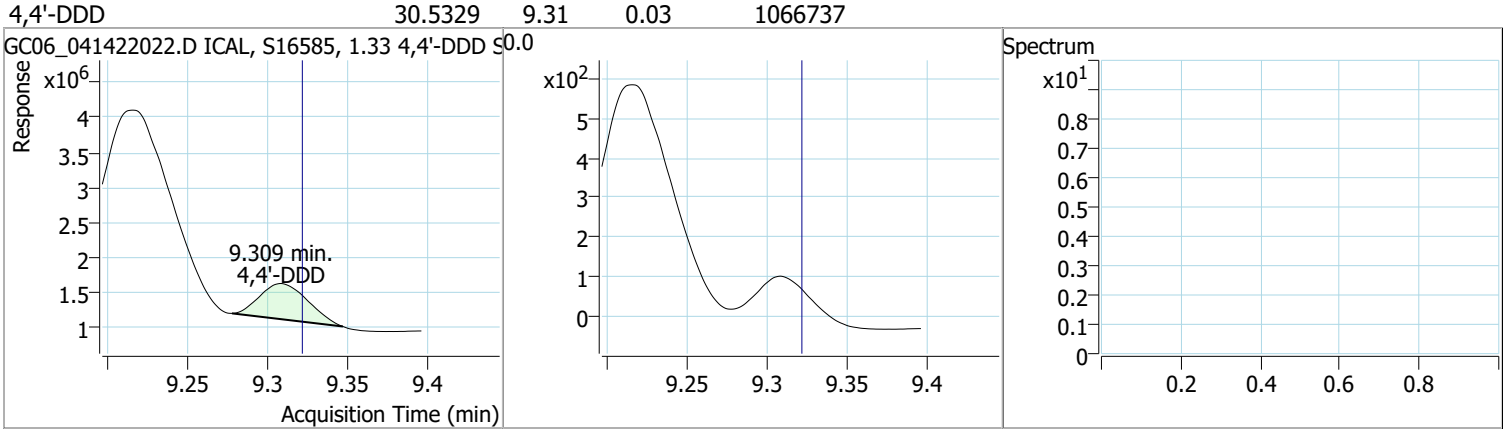
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	51.0192	8.83	0.02	9357717			



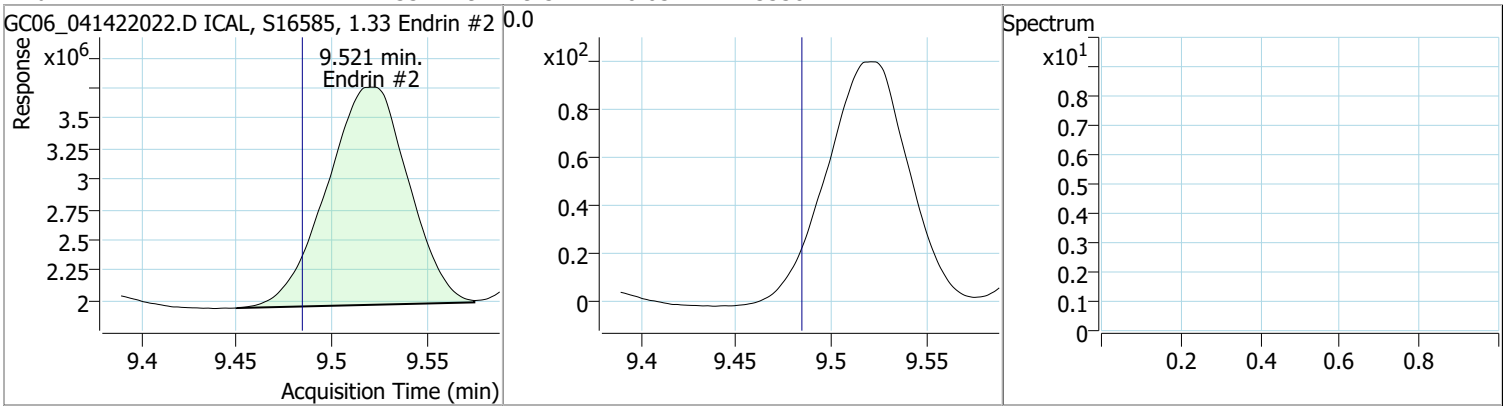
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	133.4250	9.22	0.09	9777241			



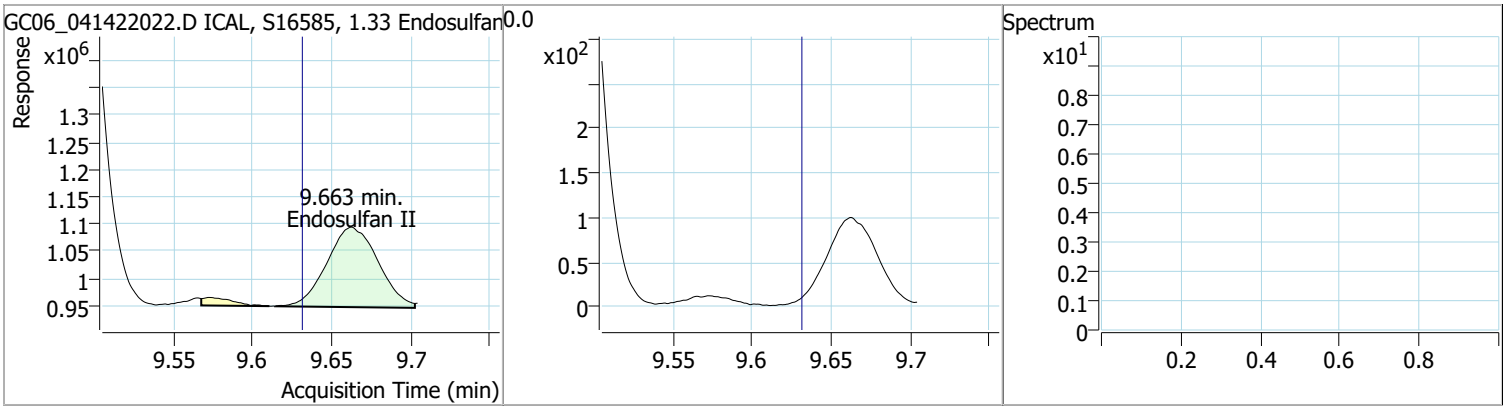
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	30.5329	9.31	0.03	1066737			



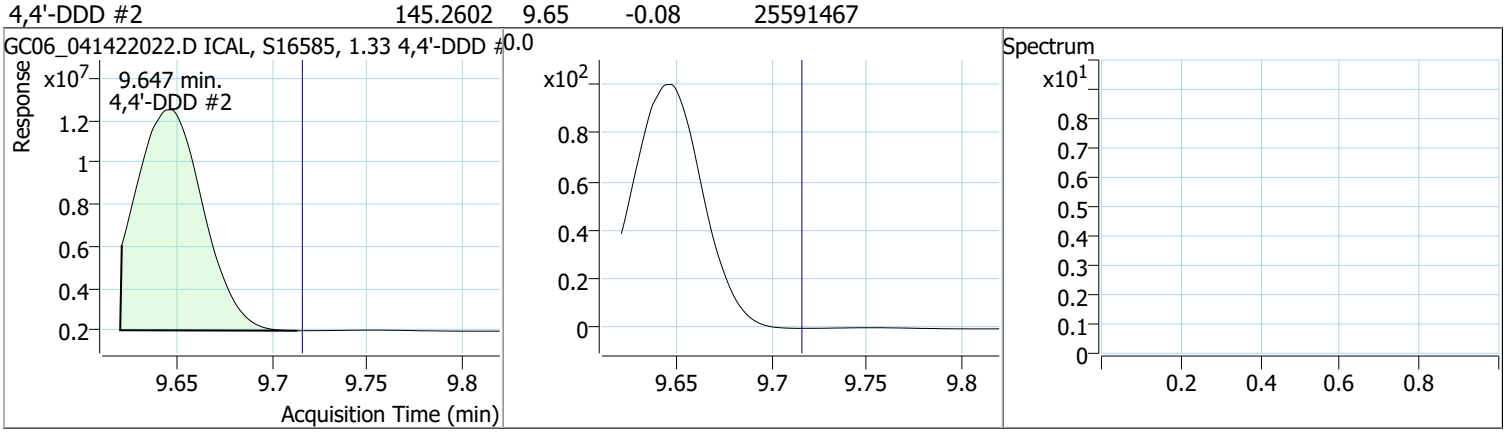
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	33.4429	9.52	0.03	5338414			



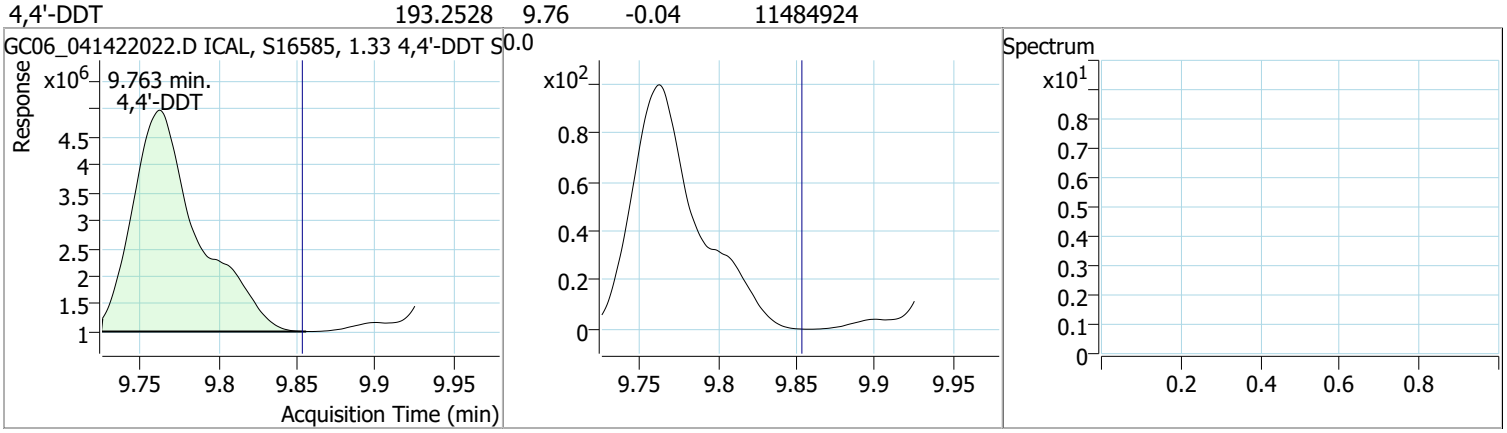
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	7.6524	9.66	0.08	331711			



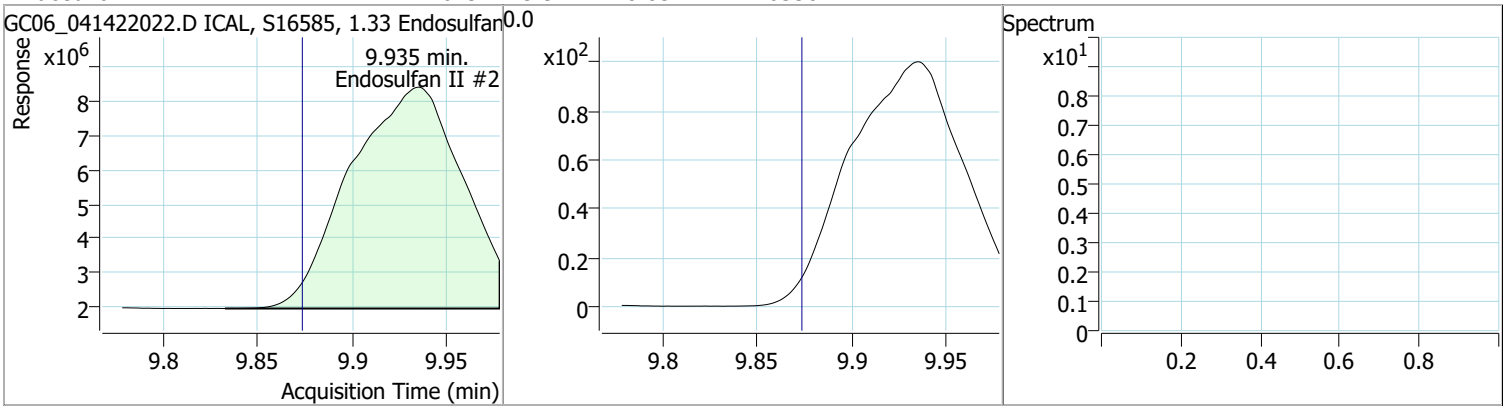
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	145.2602	9.65	-0.08	25591467			



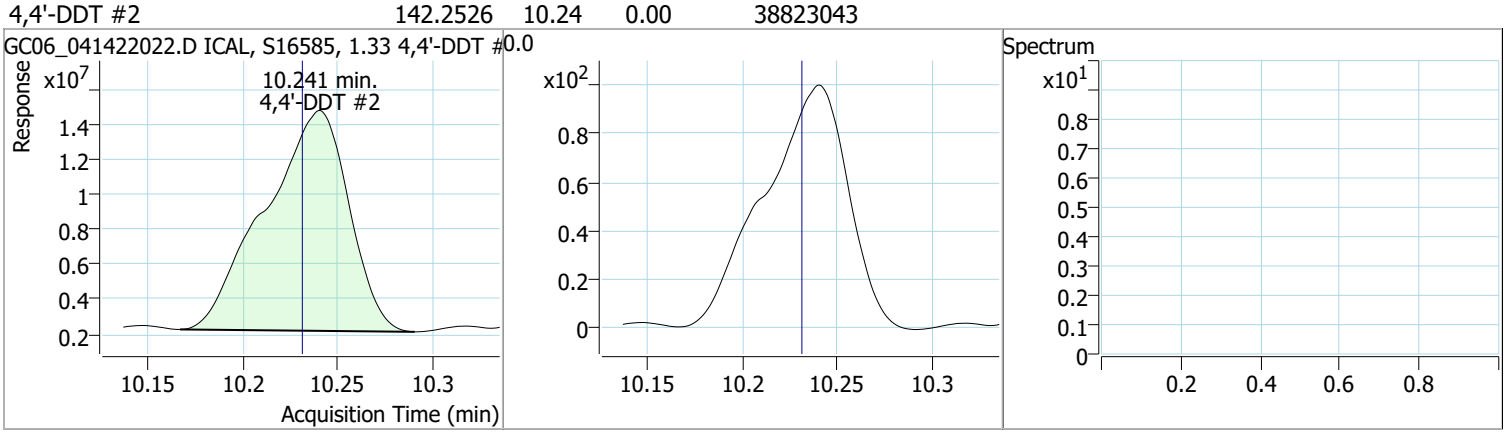
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	193.2528	9.76	-0.04	11484924			



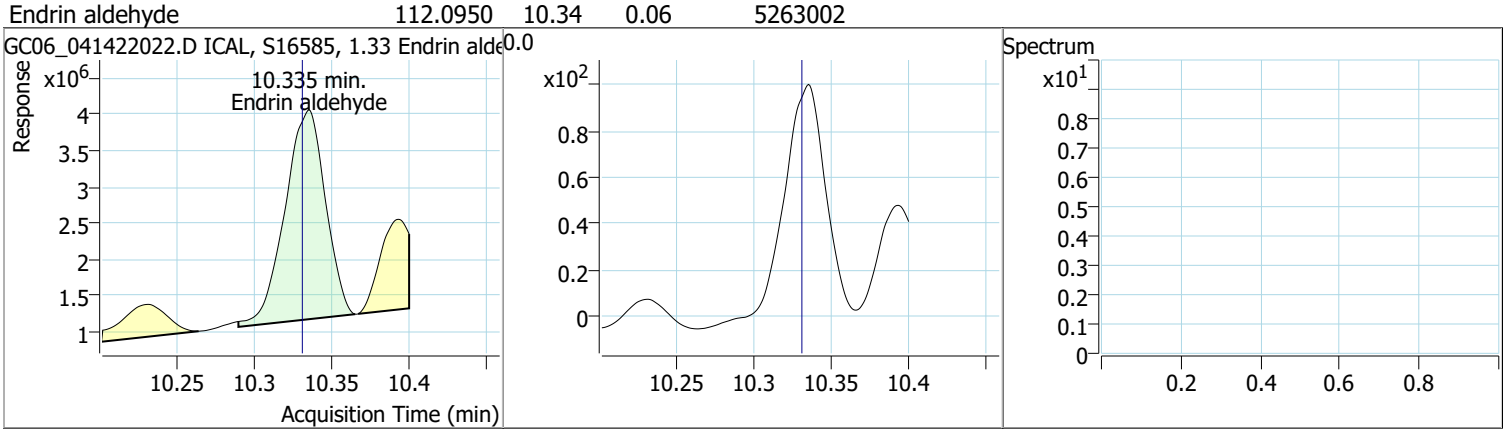
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	111.6491	9.94	0.05	26330722			



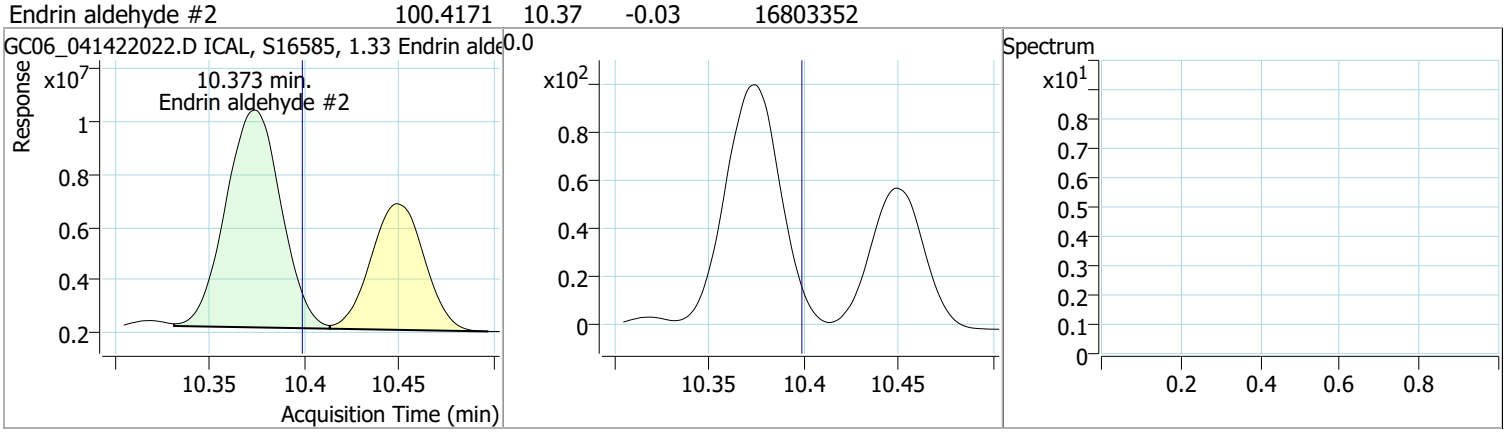
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	142.2526	10.24	0.00	38823043			



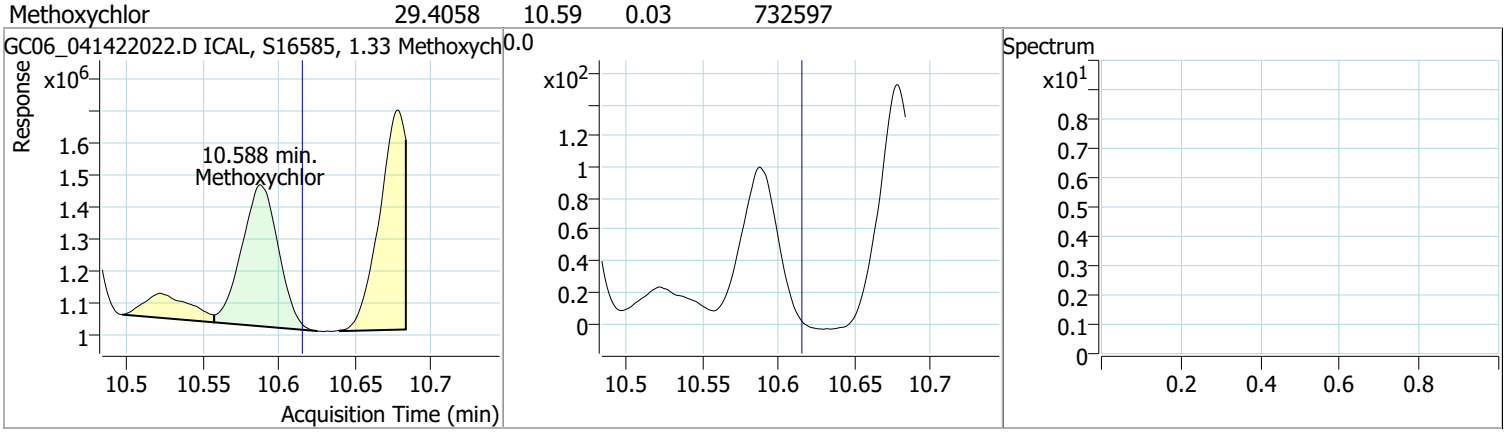
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	112.0950	10.34	0.06	5263002			



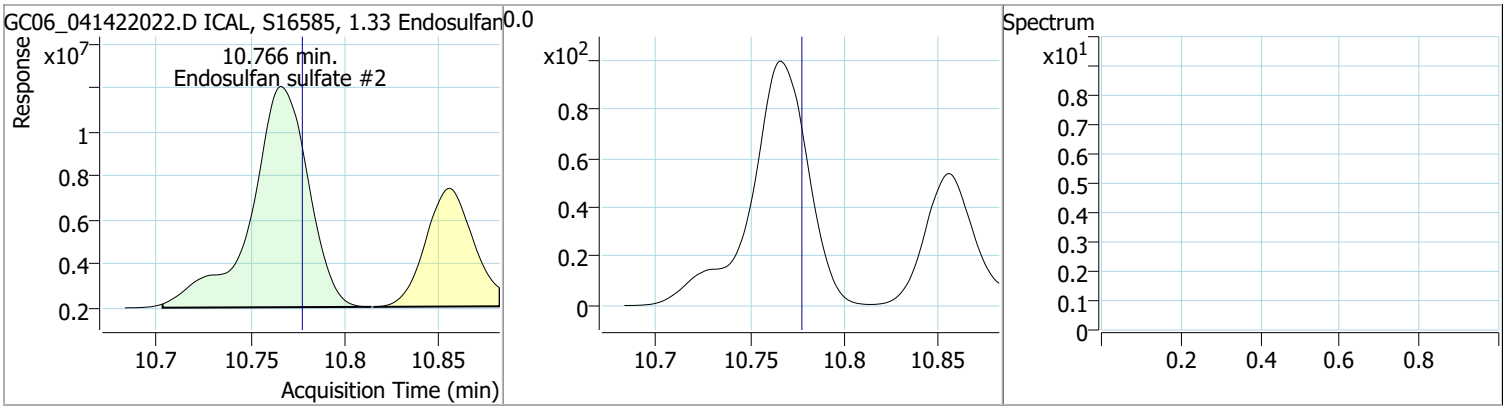
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	100.4171	10.37	-0.03	16803352			



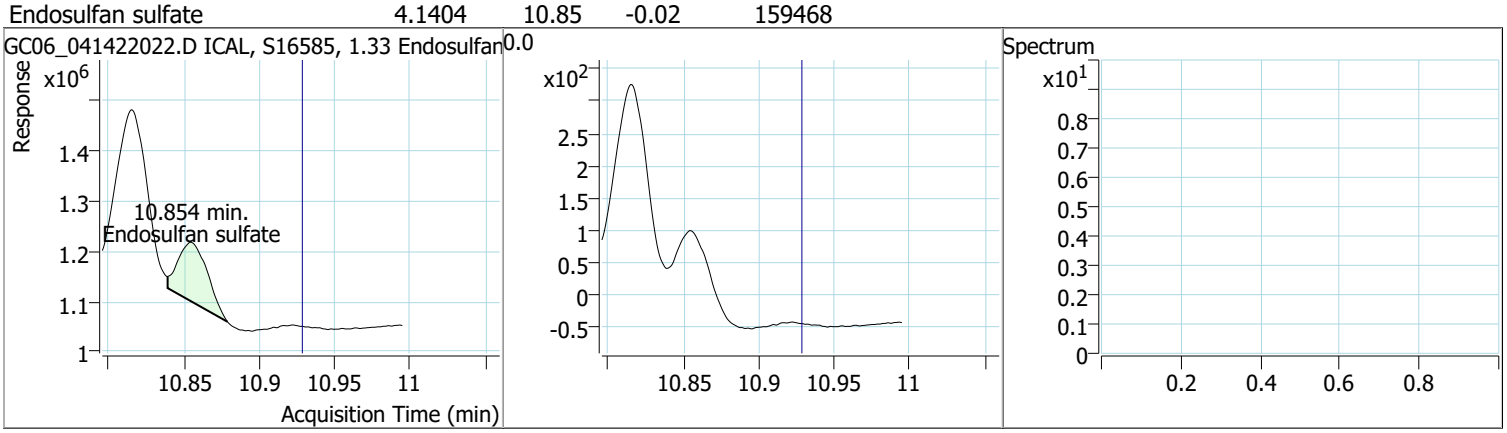
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	29.4058	10.59	0.03	732597			



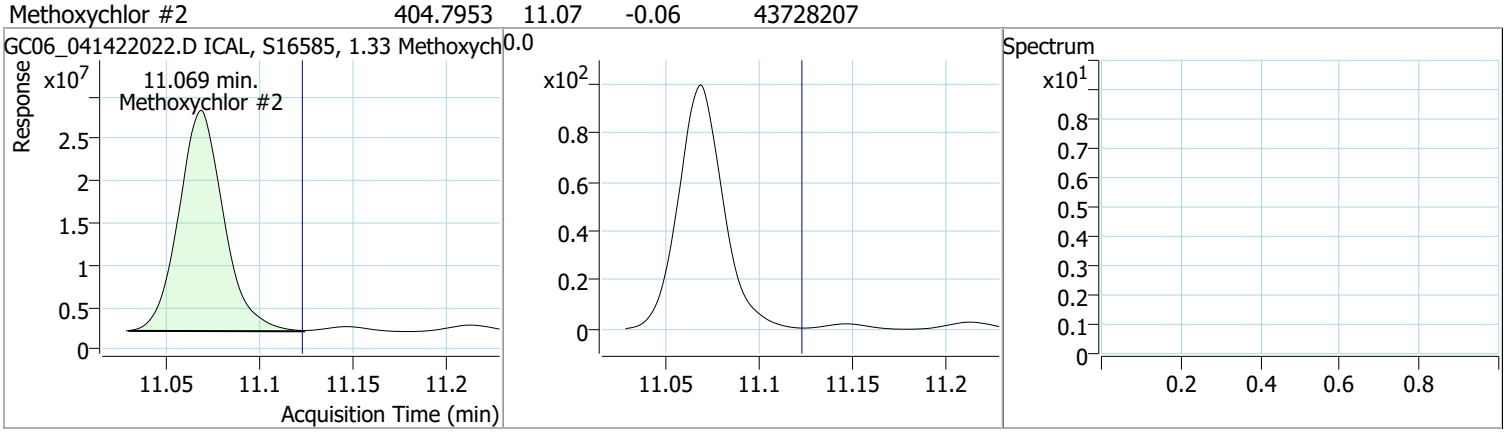
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	108.8634	10.77	-0.02	21350803			



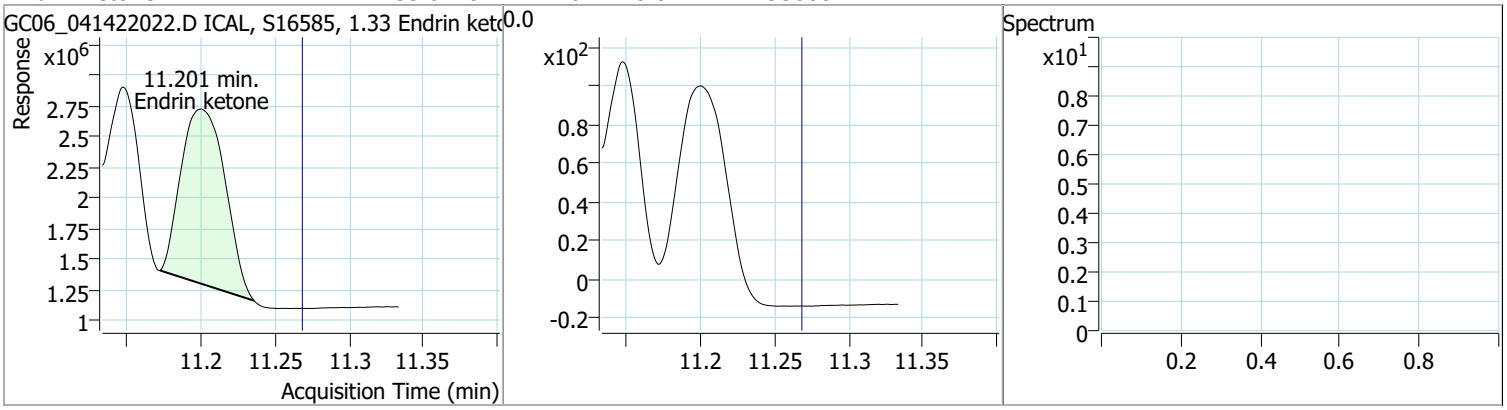
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	4.1404	10.85	-0.02	159468			



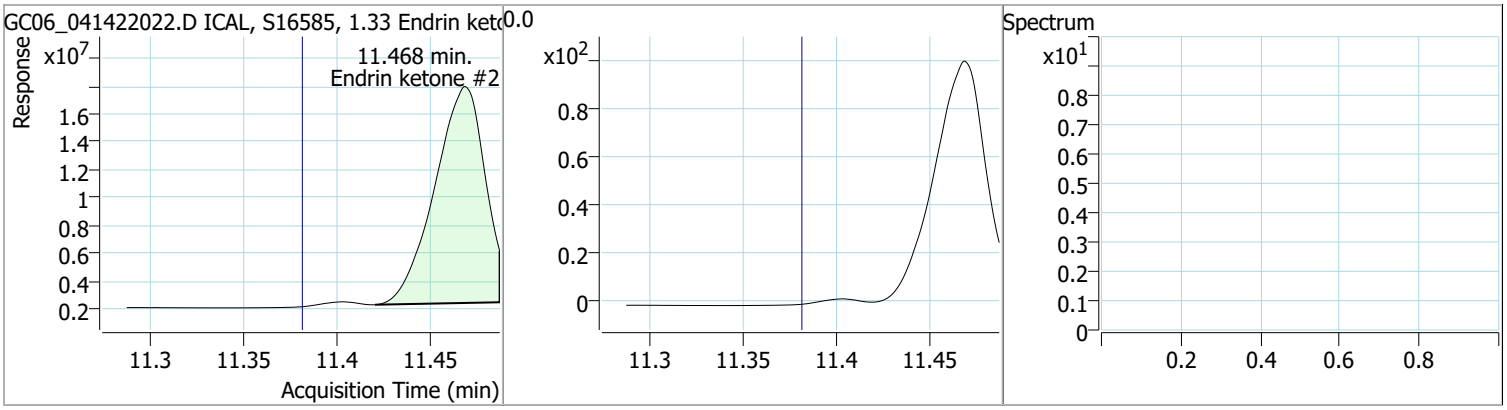
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	404.7953	11.07	-0.06	43728207			



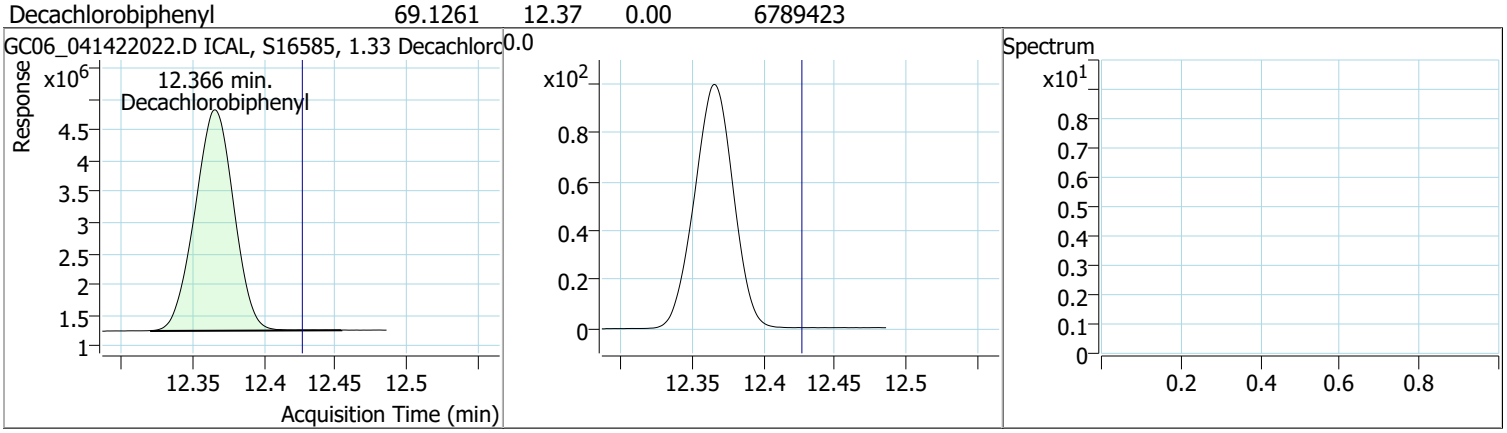
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	53.0210	11.20	-0.01	2936002			



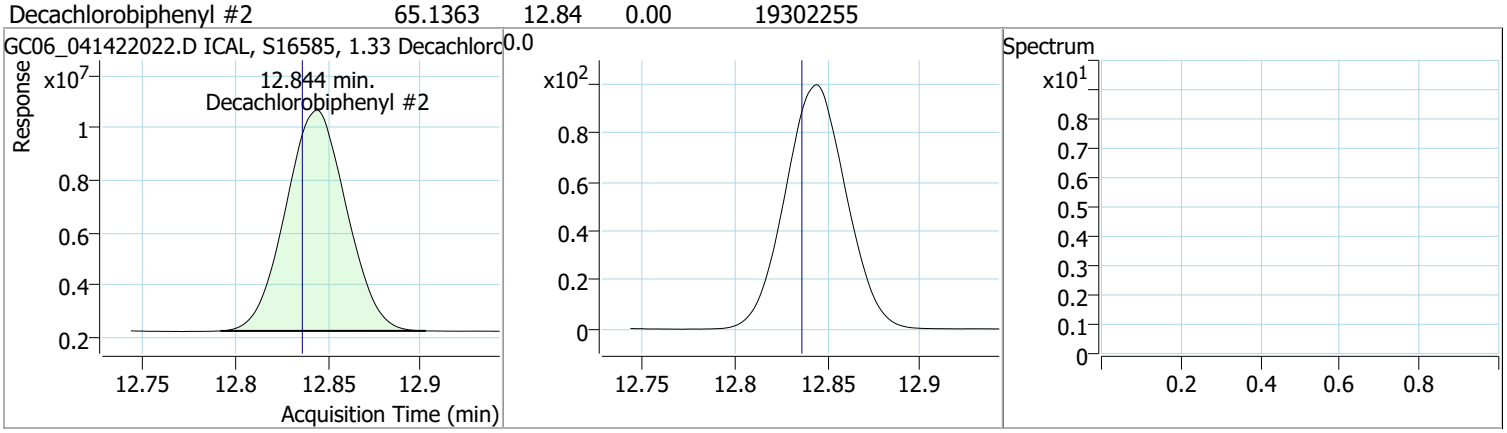
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	114.7893	11.47	0.08	28593437			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	69.1261	12.37	0.00	6789423			

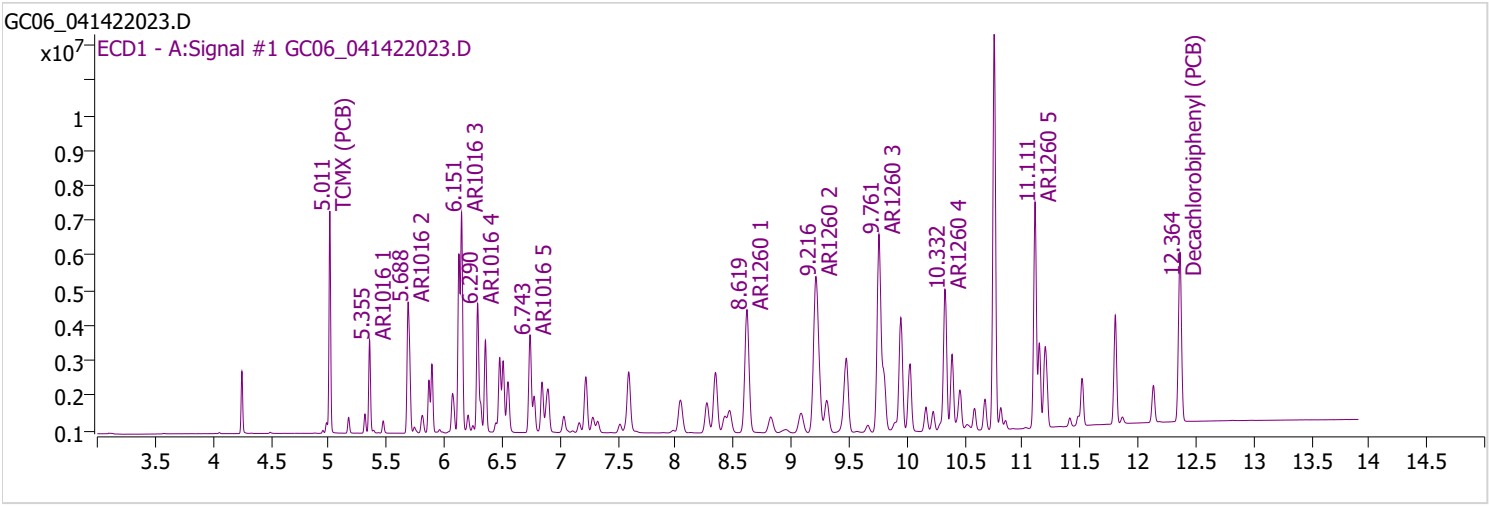


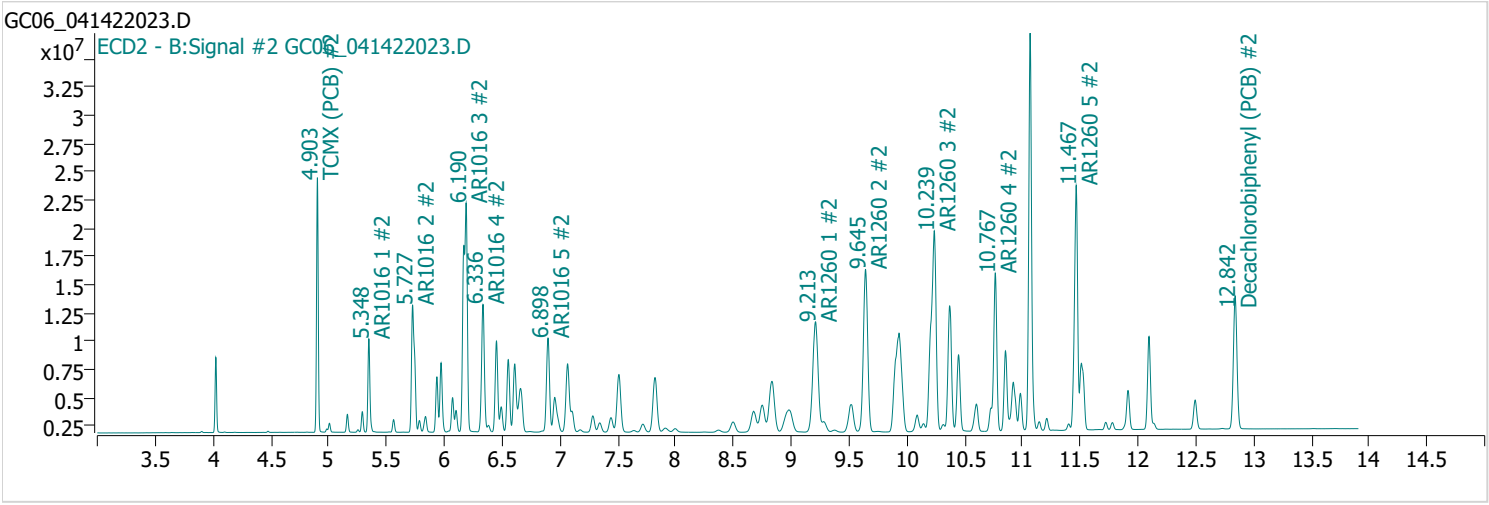
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	65.1363	12.84	0.00	19302255			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422023.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 9:01:51 PM
Sample Name	ICAL, S16585, 1	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 119	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



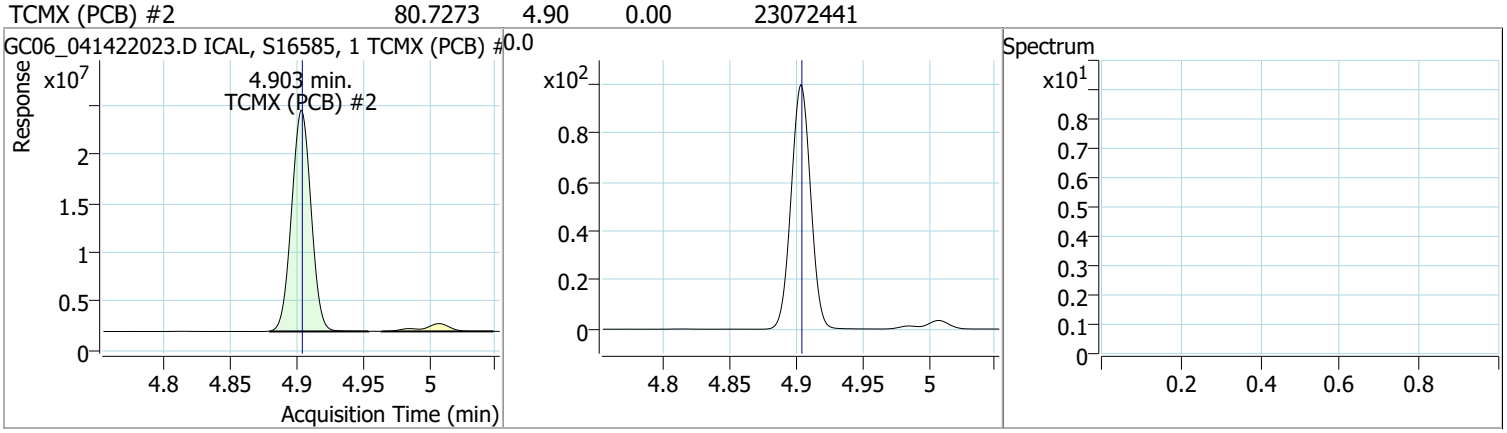


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.251	4.025	1728200	6239853	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.011	4.903	6326720	23072441	76.109	80.727	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	380.55% *	403.64% *	
S Decachlorobiphenyl (PCB)	12.364	12.842	8981647	25771825	68.352	68.446	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	341.76% *	342.23% *	
Target Compounds							
T AR1016 1	5.355	5.348	2929621	10090873	1733.008	1726.875	ng/ml
T AR1016 2	5.688	5.727	6182408	21228359	1679.632	1750.565	ng/ml
T AR1016 3	6.151	6.190	7982433	29510280 m	1842.689	1845.253	ng/ml
T AR1016 4	6.290	6.336	5804825	19279898	1790.637	1776.968	ng/ml
T AR1016 5	6.743	6.898	4390712	15286645	1750.926	1802.095	ng/ml
T AR1260 1	8.619	9.213	9121847	31736730 m	1677.209	1680.482	ng/ml
T AR1260 2	9.216	9.645	14329665	37530247	1710.621	1719.867	ng/ml
T AR1260 3	9.761	10.239	16042802 m	53137458	1842.237	1792.328	ng/ml
T AR1260 4	10.332	10.767	7597633	28812281	1754.273	1795.986	ng/ml

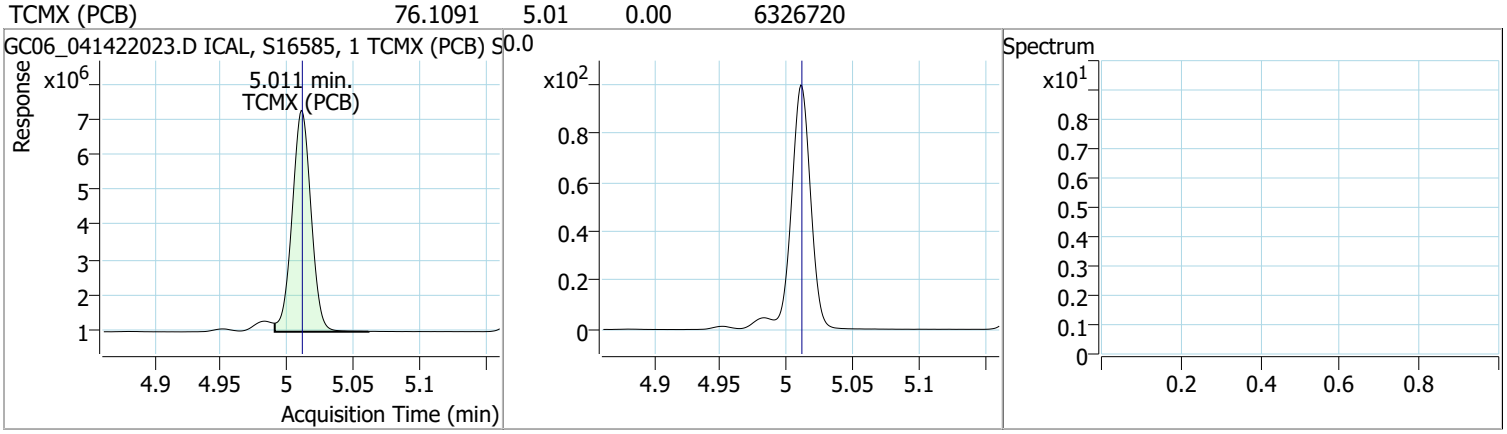
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.111	11.467	10625267	42001201	1853.637	1775.789	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

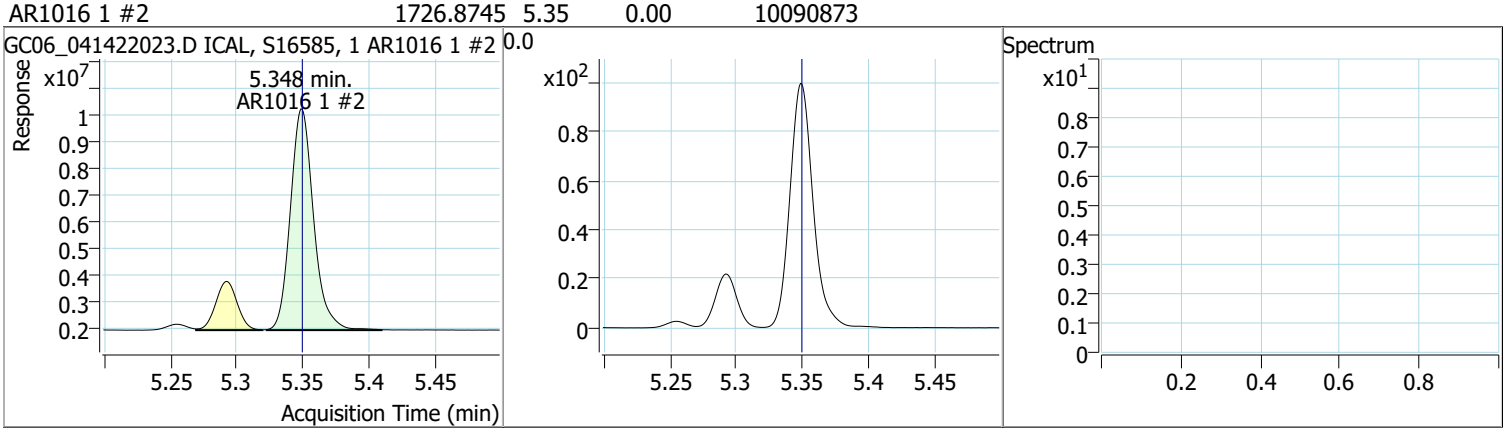
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	80.7273	4.90	0.00	23072441			



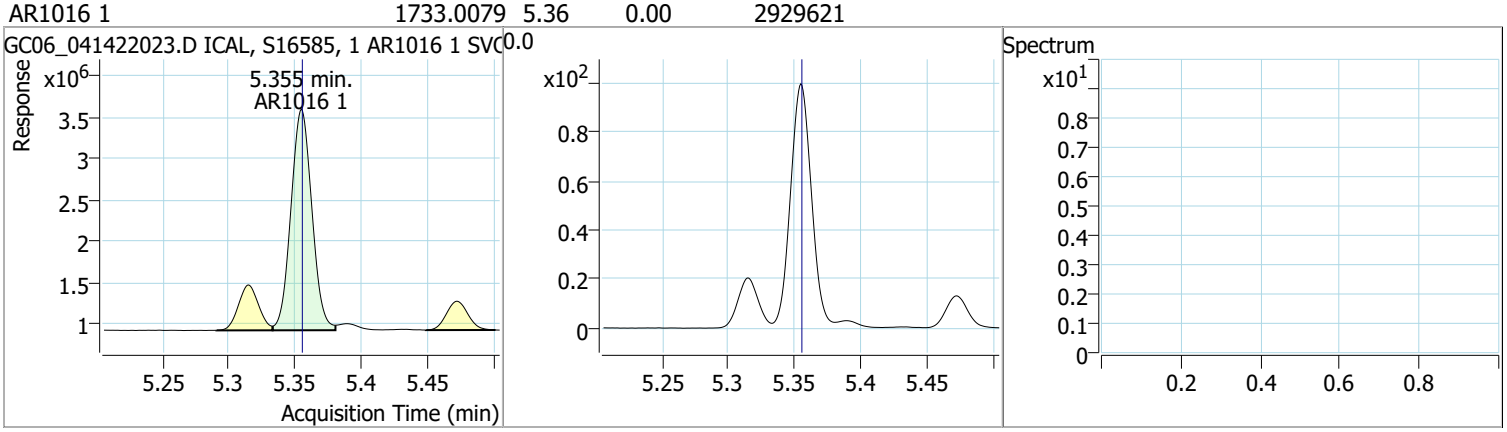
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	76.1091	5.01	0.00	6326720			



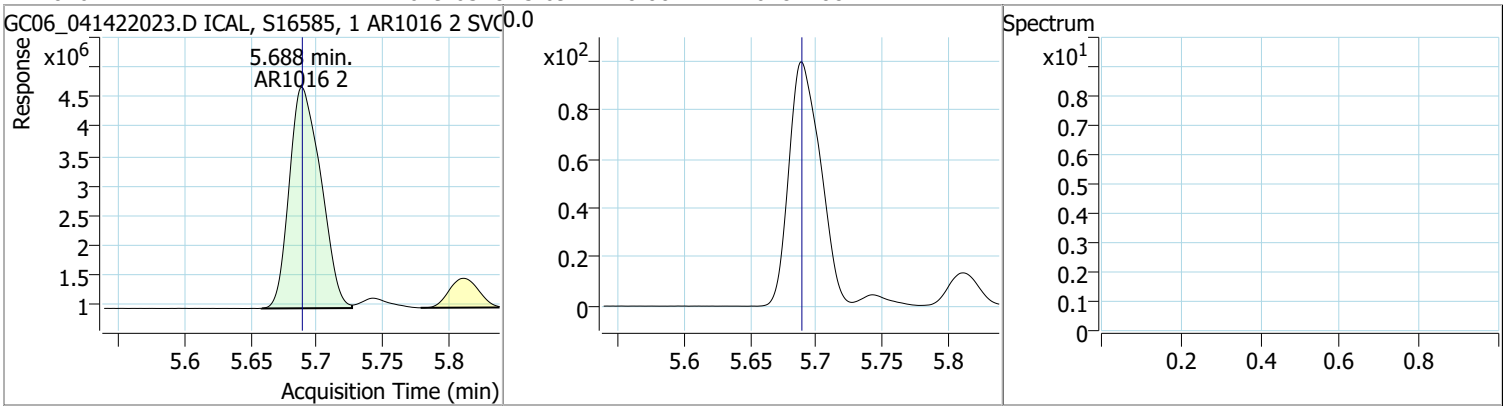
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	1726.8745	5.35	0.00	10090873			



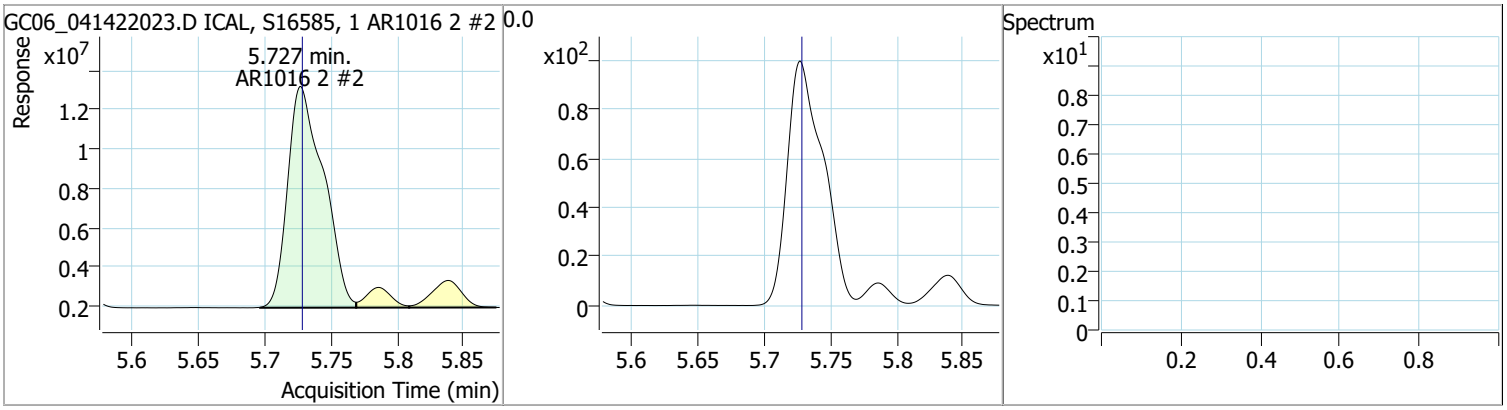
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	1733.0079	5.36	0.00	2929621			



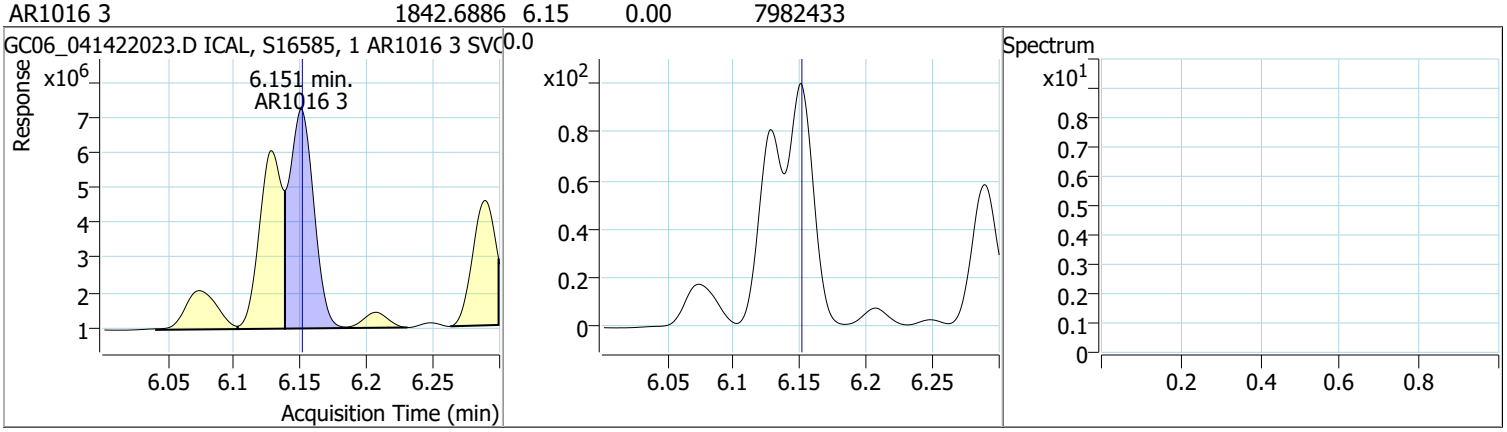
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	1679.6318	5.69	0.00	6182408			



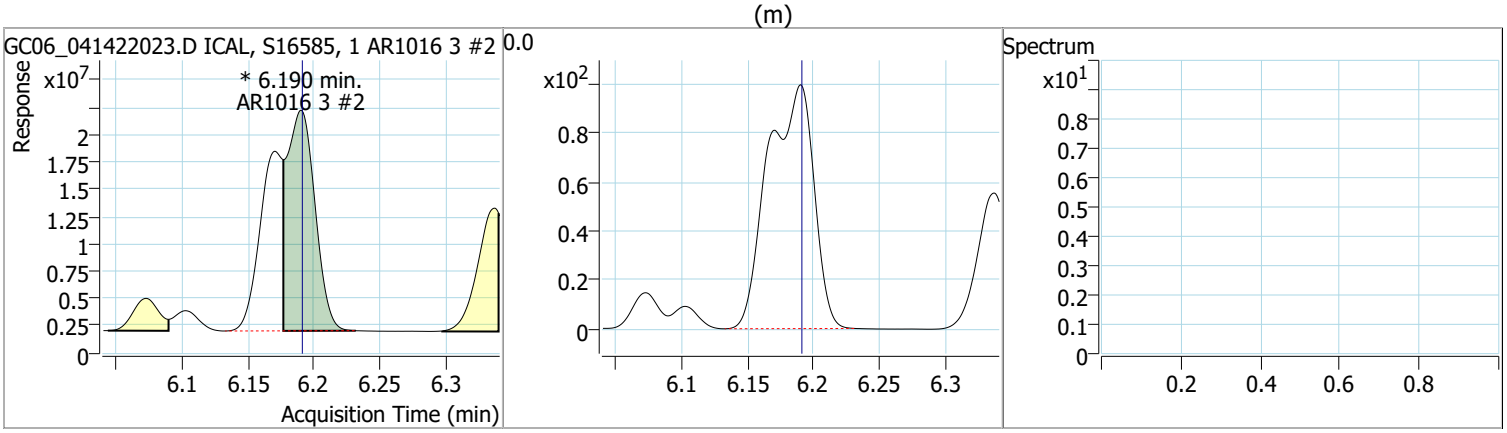
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	1750.5648	5.73	0.00	21228359			



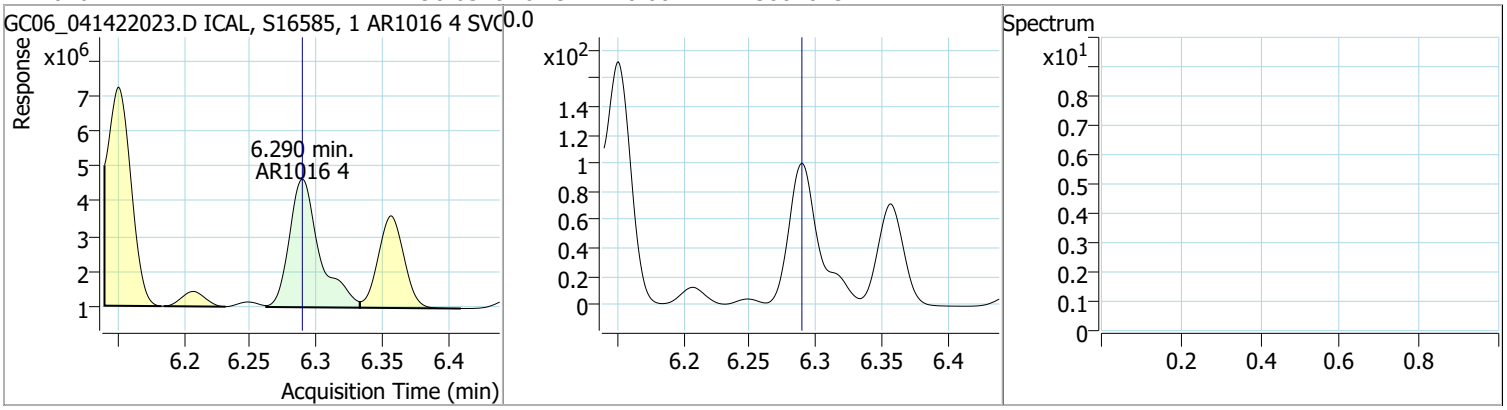
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	1842.6886	6.15	0.00	7982433			



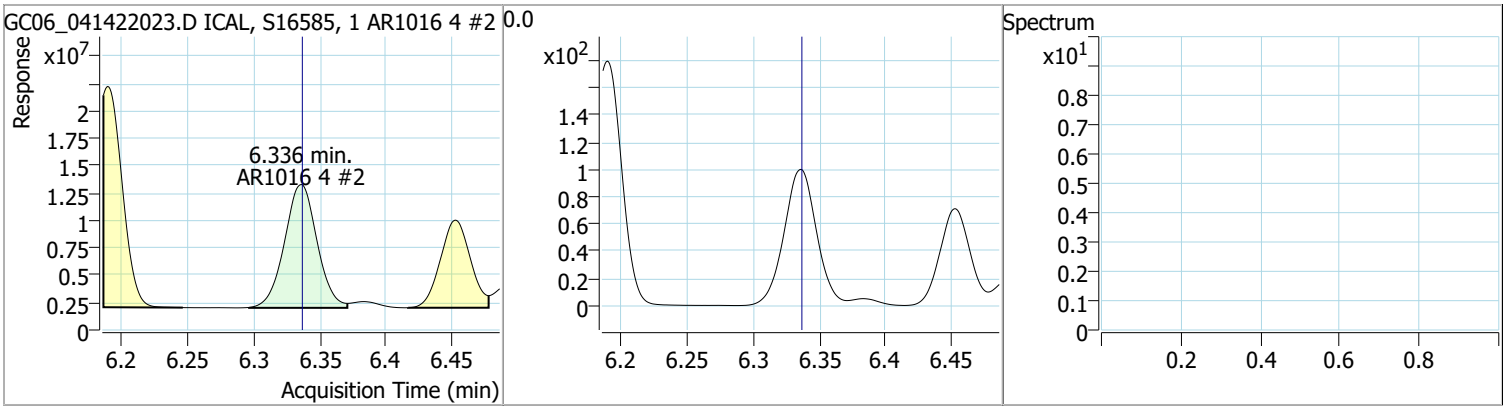
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	1845.2535	6.19	0.00	29510280 (m)			



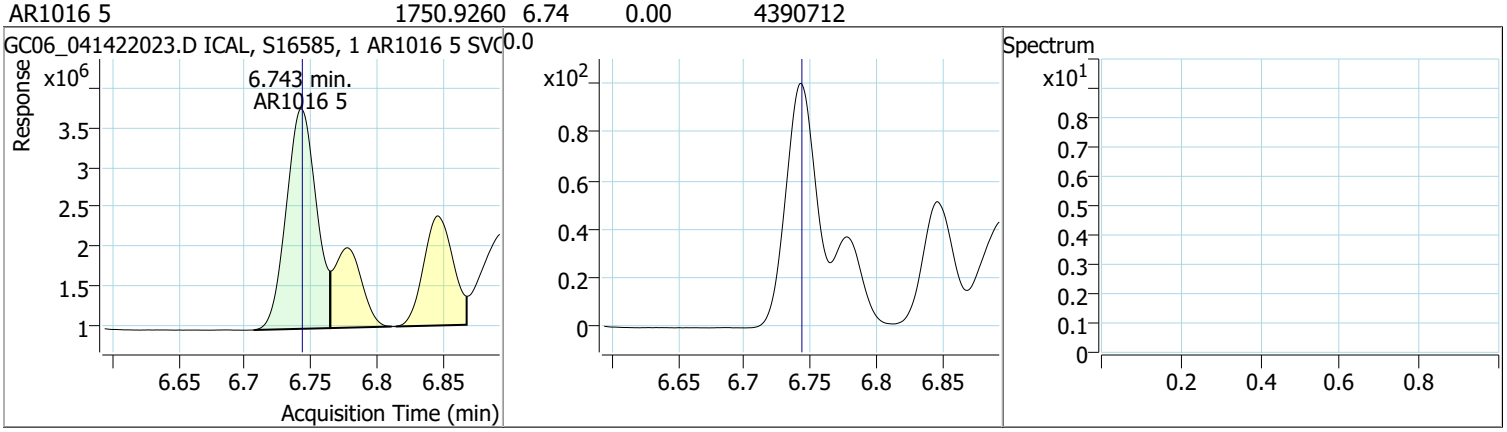
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	1790.6370	6.29	0.00	5804825			



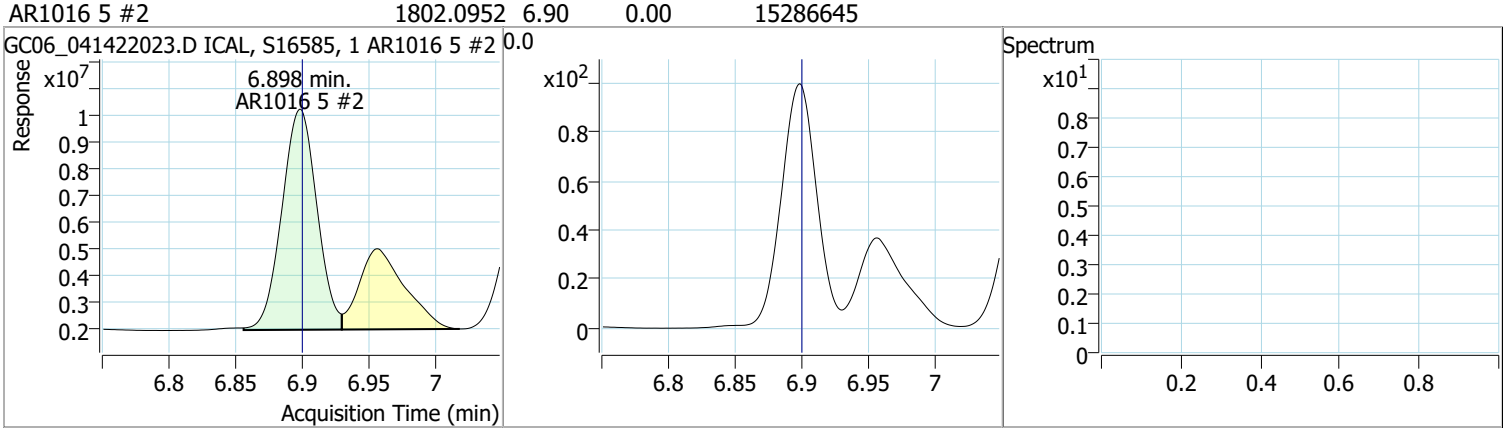
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	1776.9682	6.34	0.00	19279898			



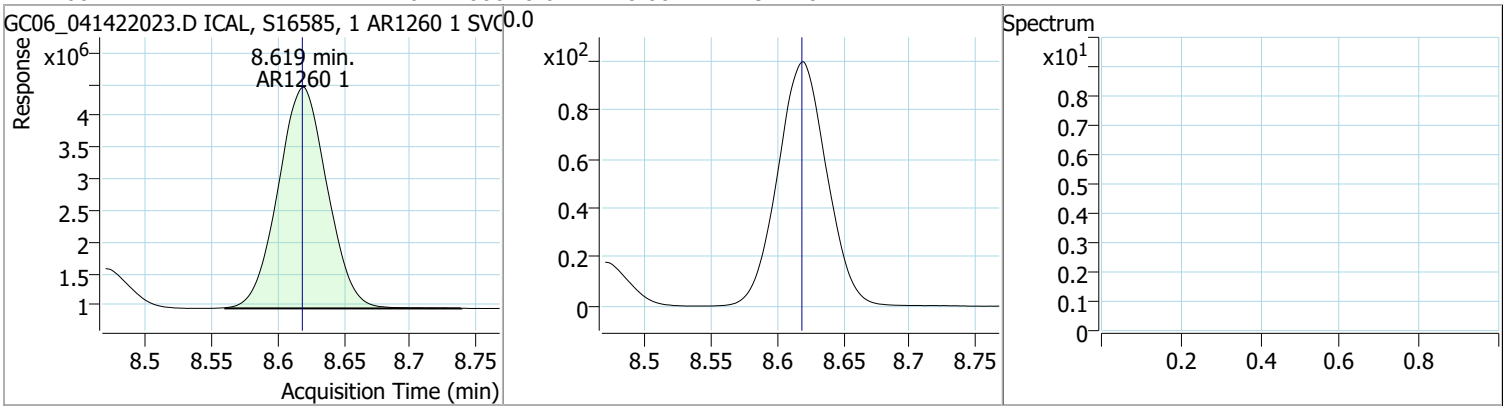
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	1750.9260	6.74	0.00	4390712			



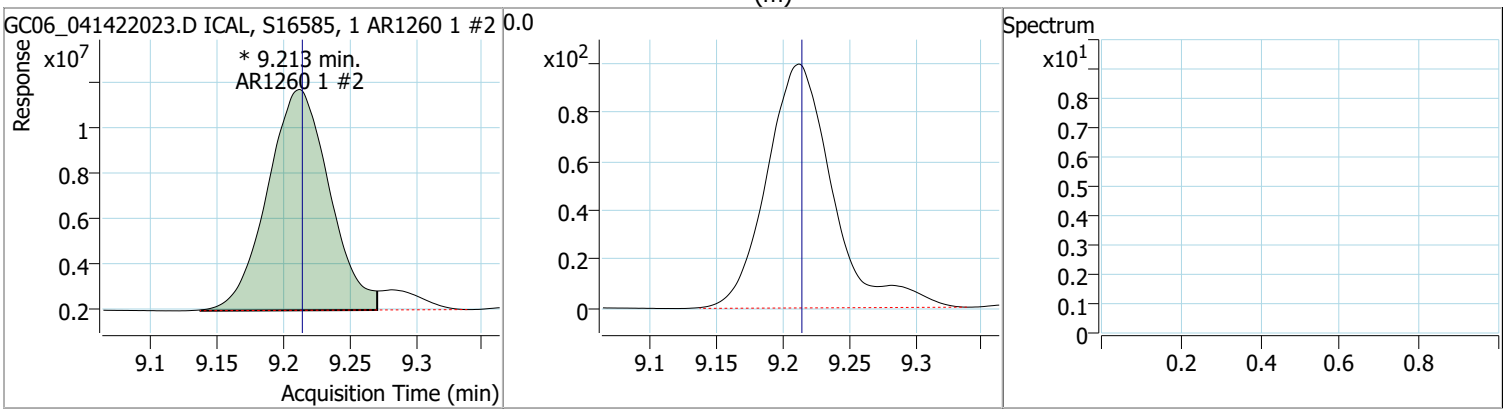
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	1802.0952	6.90	0.00	15286645			



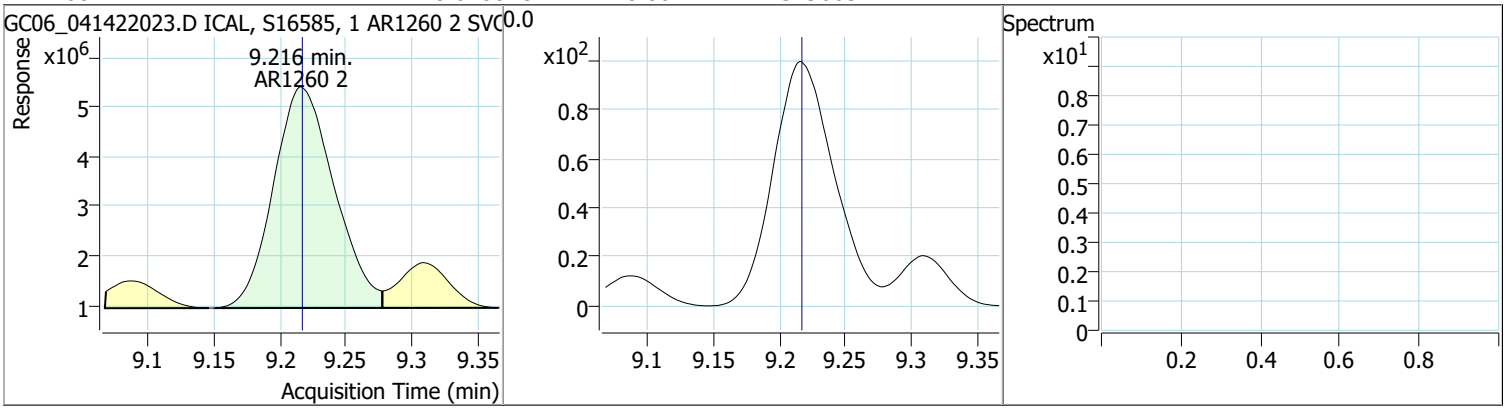
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	1677.2086	8.62	0.00	9121847			



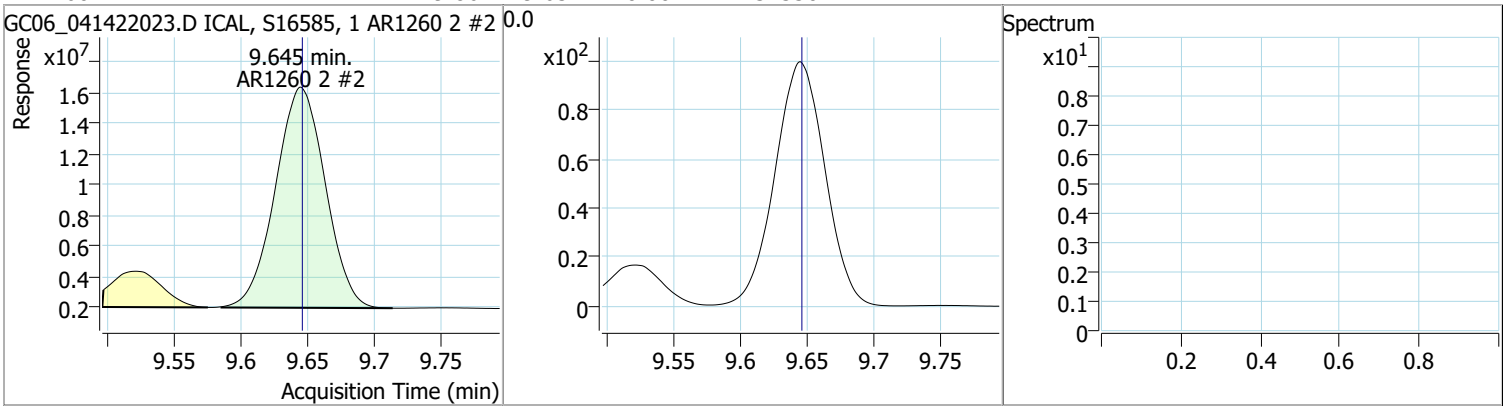
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	1680.4825	9.21	0.00	31736730 (m)			



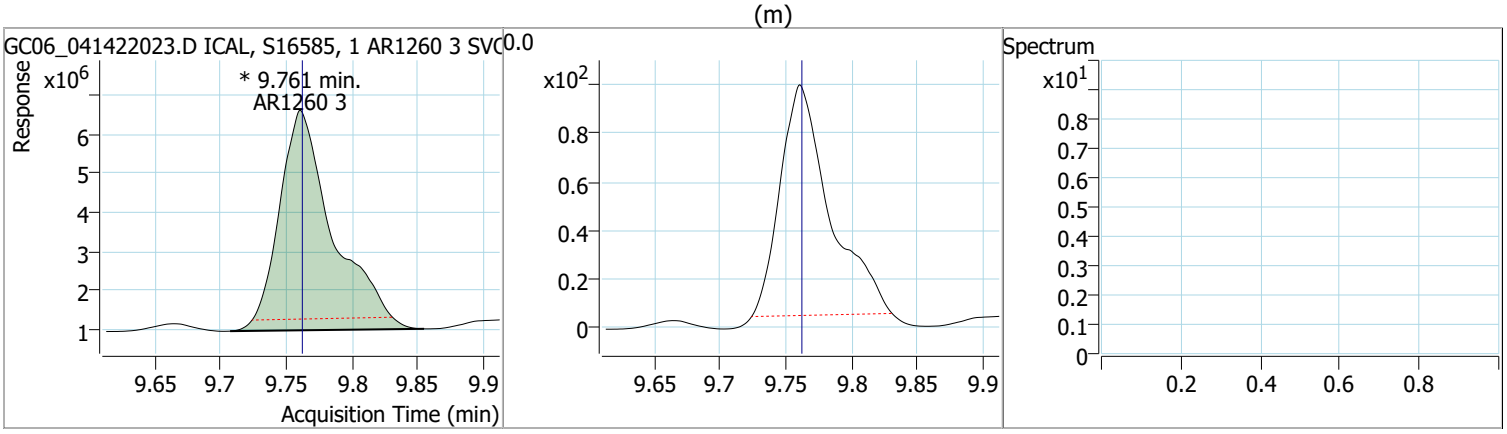
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	1710.6208	9.22	0.00	14329665			



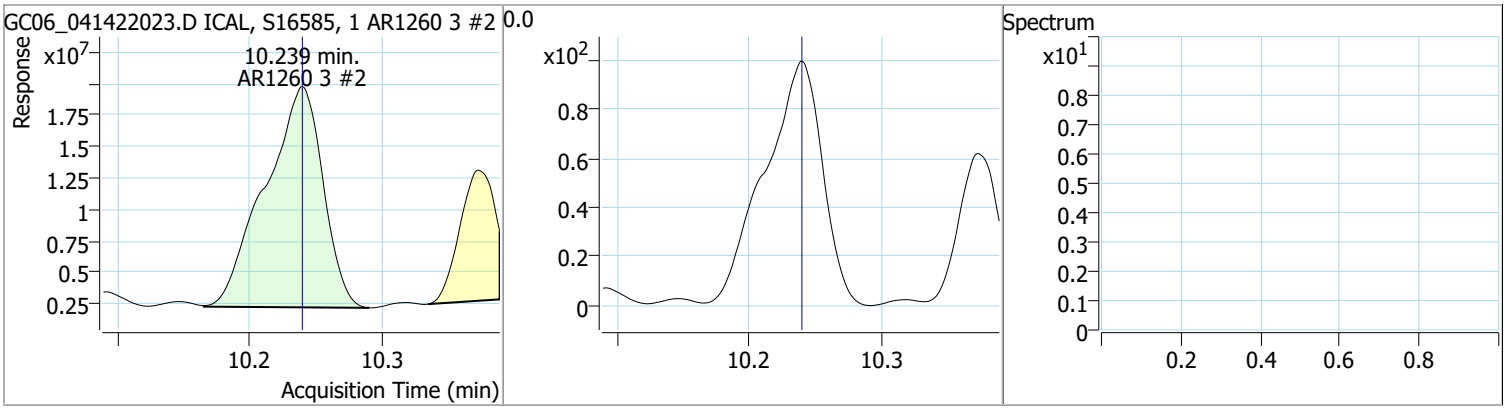
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	1719.8671	9.65	0.00	37530247			



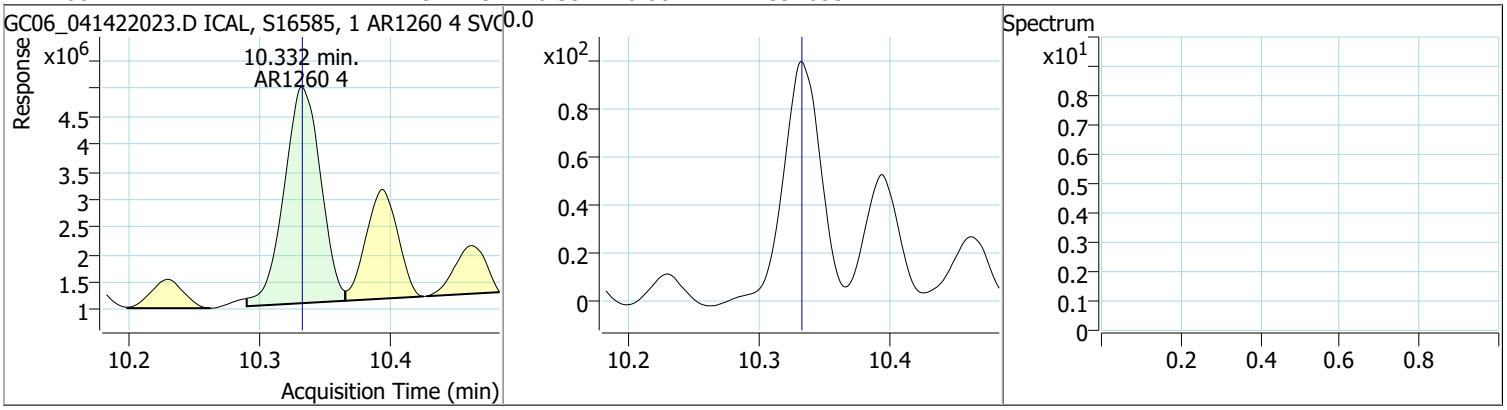
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	1842.2370	9.76	0.00	16042802 (m)			



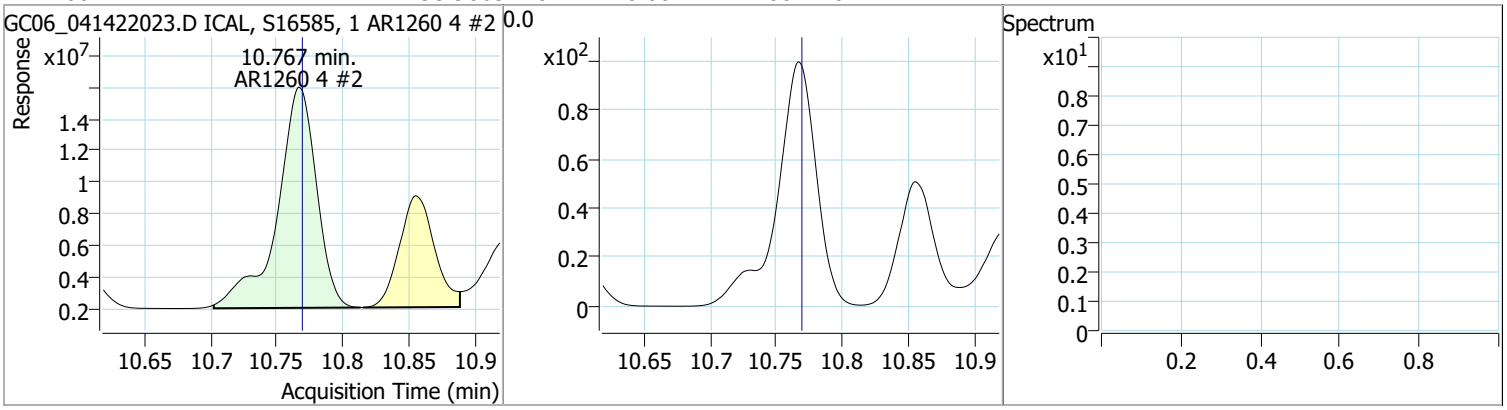
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	1792.3281	10.24	0.00	53137458			



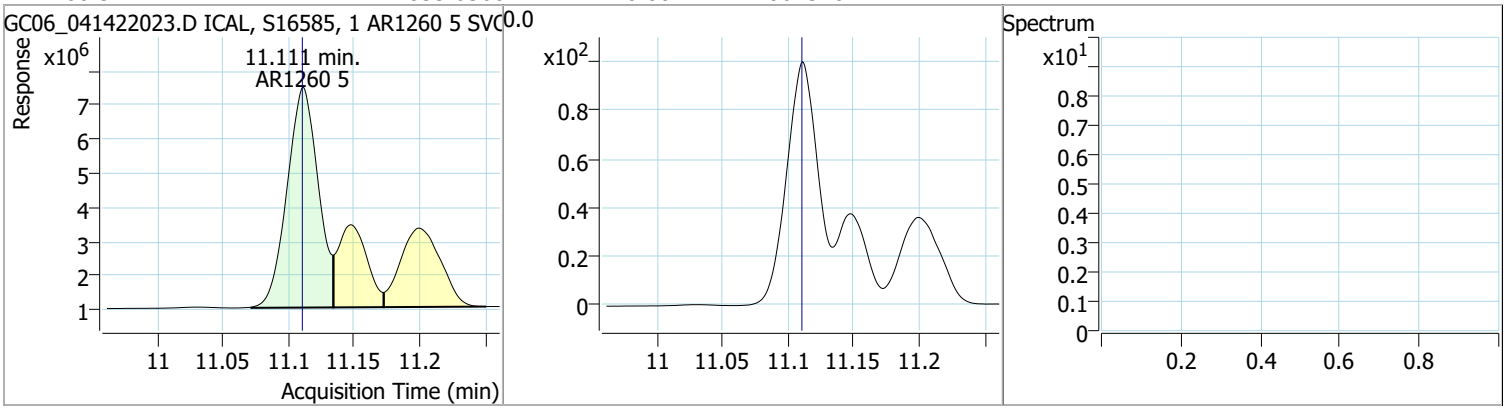
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	1754.2734	10.33	0.00	7597633			



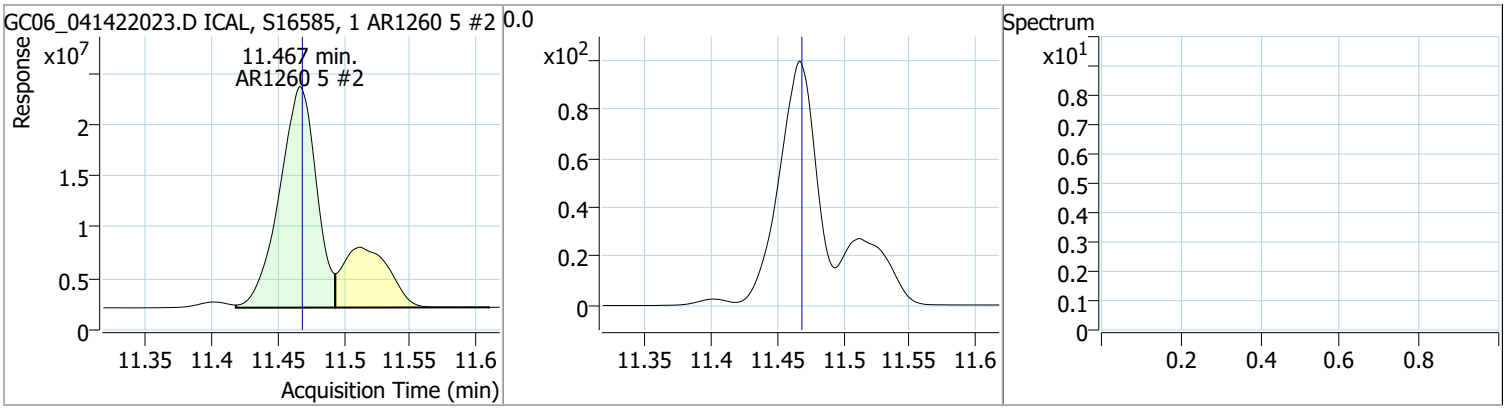
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	1795.9863	10.77	0.00	28812281			



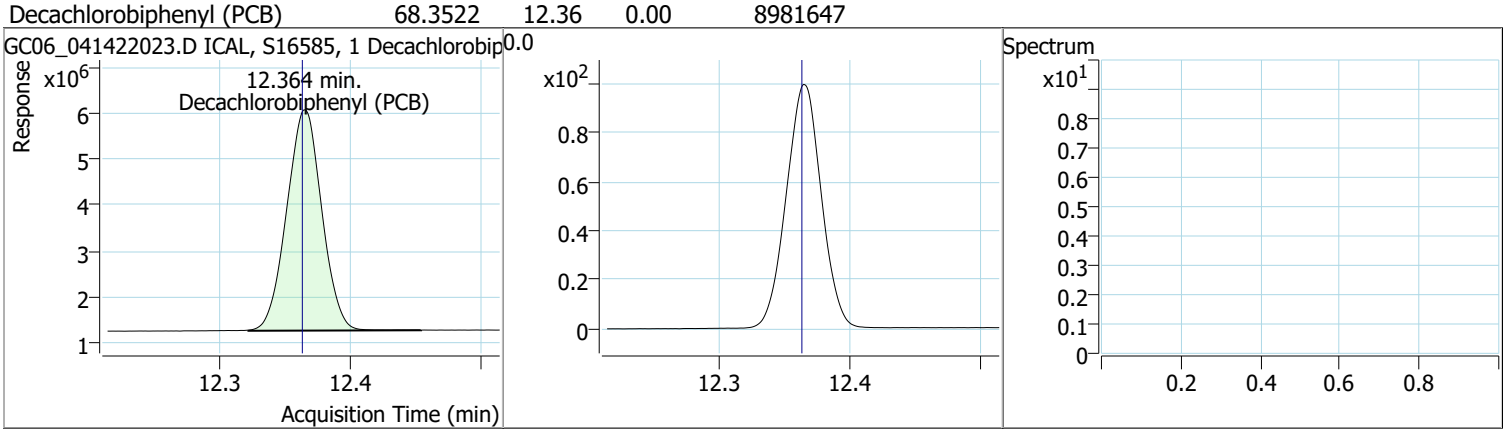
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	1853.6368	11.11	0.00	10625267			



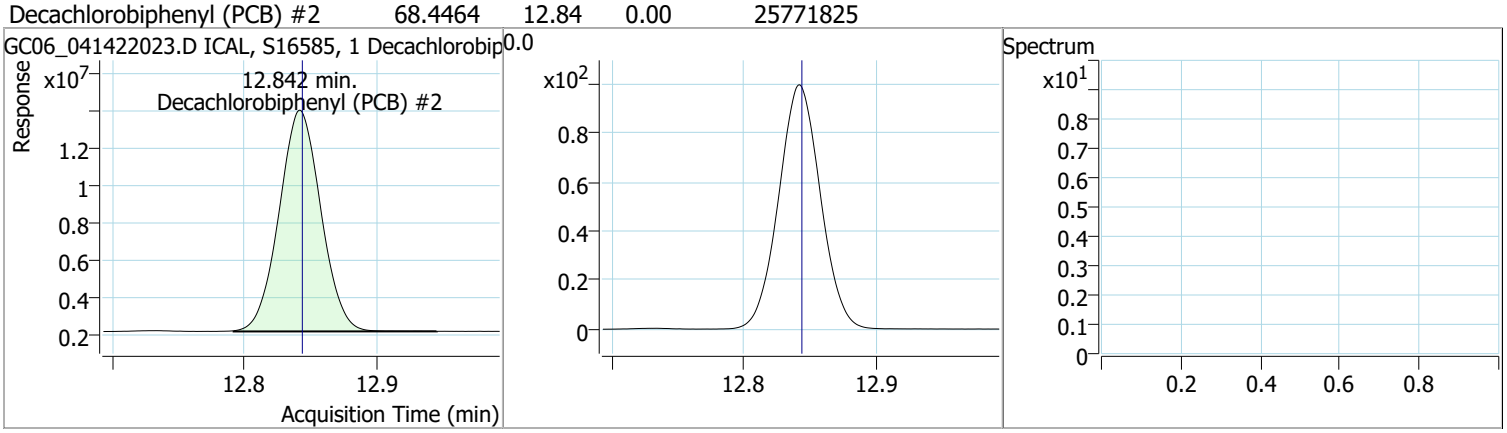
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	1775.7895	11.47	0.00	42001201			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	68.3522	12.36	0.00	8981647			

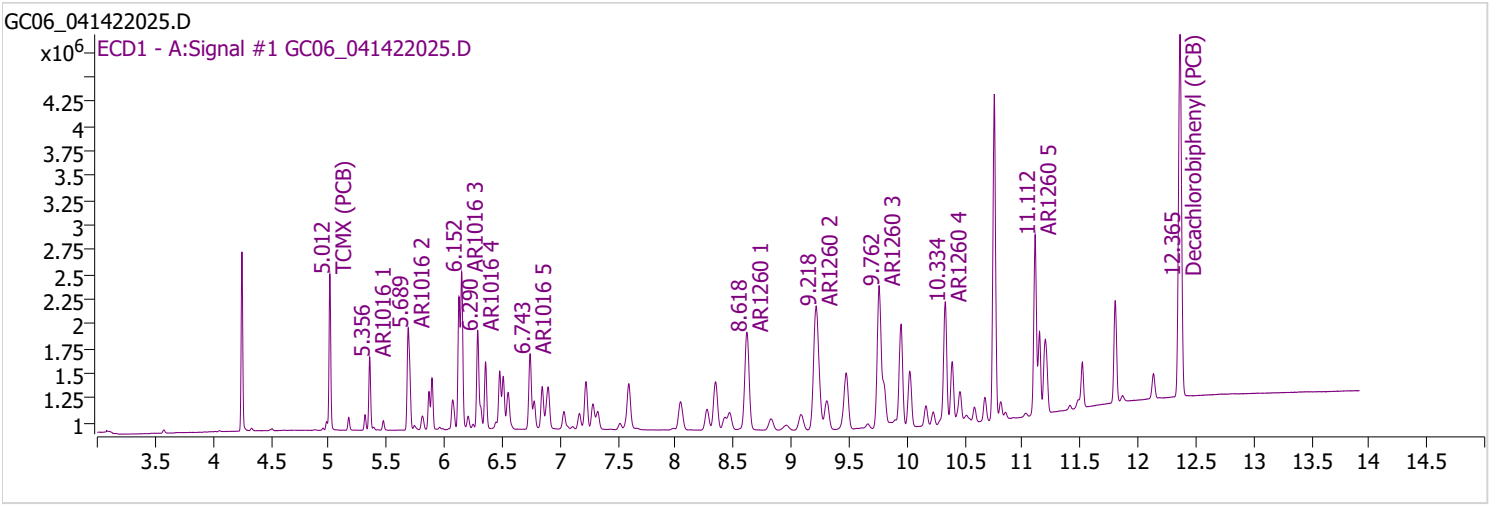


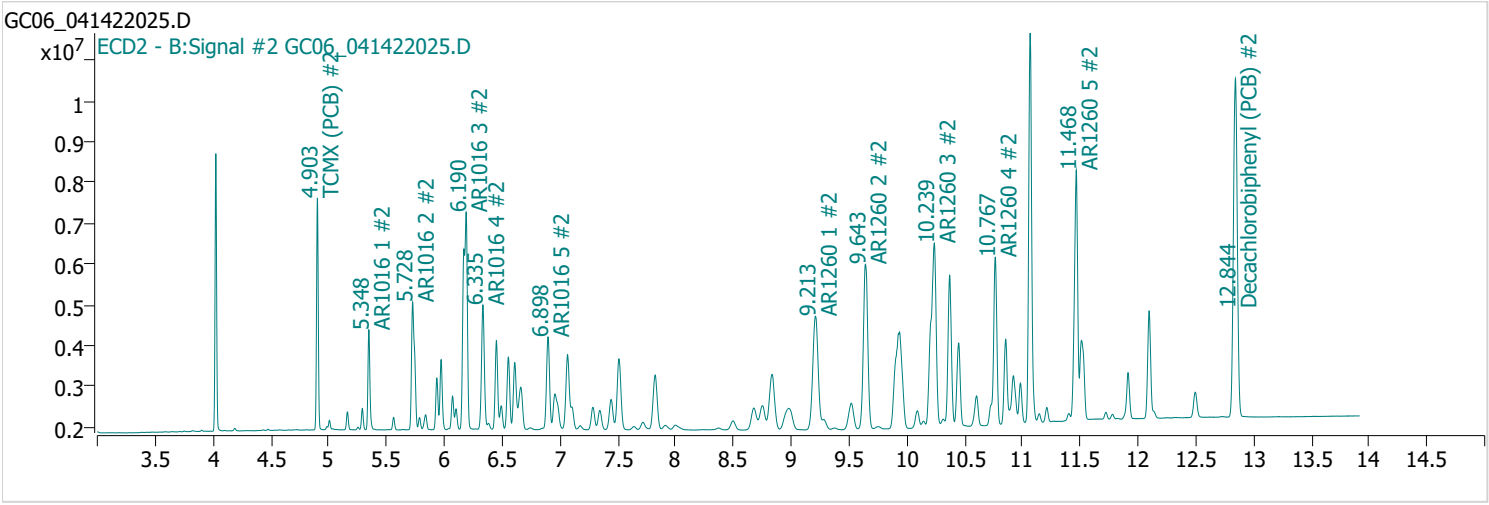
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	68.4464	12.84	0.00	25771825			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422025.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 9:37:00 PM
Sample Name	ICV, S16736	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 120	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



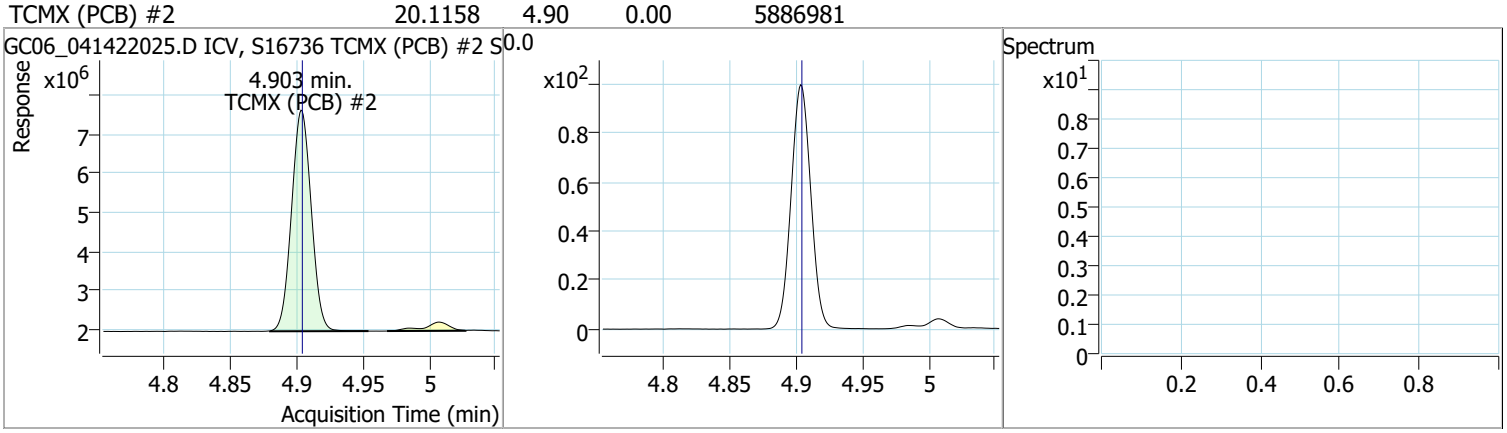


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.251	4.025	1762001	6389346	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.012	4.903	1651154	5886981	19.482	20.116	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	97.41%	100.58%	
S Decachlorobiphenyl (PCB)	12.365	12.844	6840009	19467064	51.055	50.492	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	255.28% *	252.46% *	
Target Compounds							
T AR1016 1	5.356	5.348	825235	2962090	478.801	495.049	ng/ml
T AR1016 2	5.689	5.728	1702995	5890904	453.793	474.419	ng/ml
T AR1016 3	6.152	6.190	2119180	7921568 m	479.813	483.740	ng/ml
T AR1016 4	6.290	6.335	1550648	5231236	469.158	470.866	ng/ml
T AR1016 5	6.743	6.898	1197333	4188169	468.312	482.178	ng/ml
T AR1260 1	8.618	9.213	2604917	9134347 m	469.771	472.354	ng/ml
T AR1260 2	9.218	9.643	4060351	10829785	475.411	484.676	ng/ml
T AR1260 3	9.762	10.239	4038416 m	13873694	454.846	457.011	ng/ml
T AR1260 4	10.334	10.767	2298126	8484126 m	520.452	516.476	ng/ml

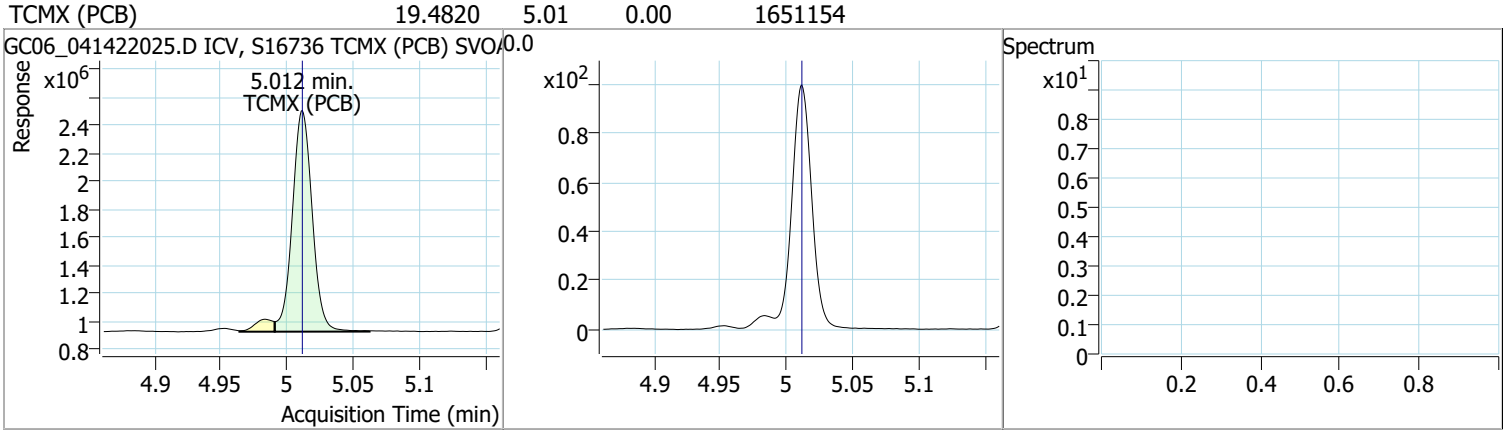
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.468	2918389	12120070	499.362	500.441	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

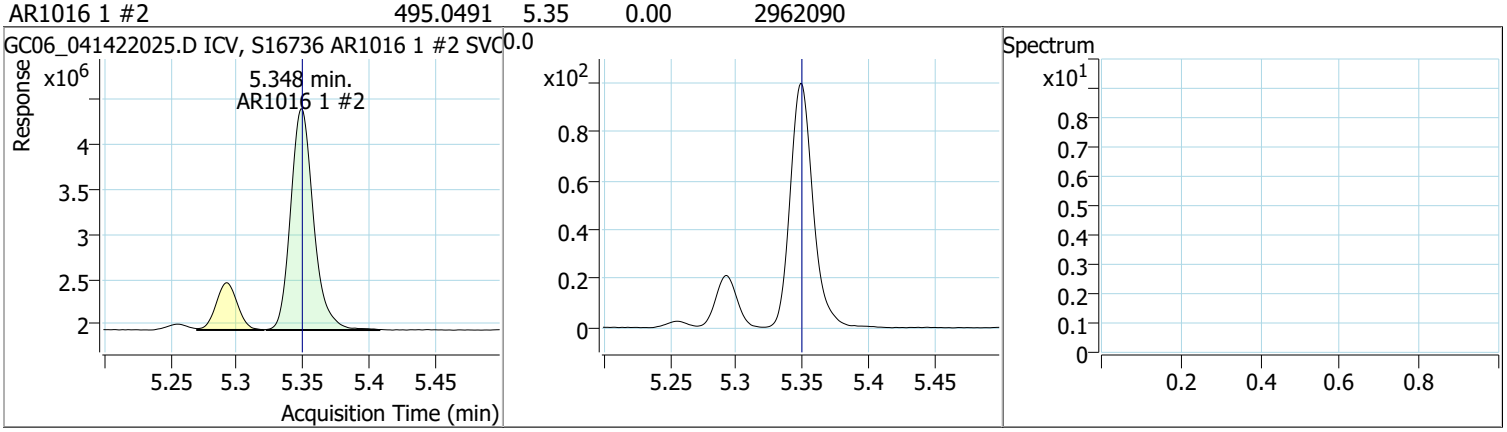
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	20.1158	4.90	0.00	5886981			



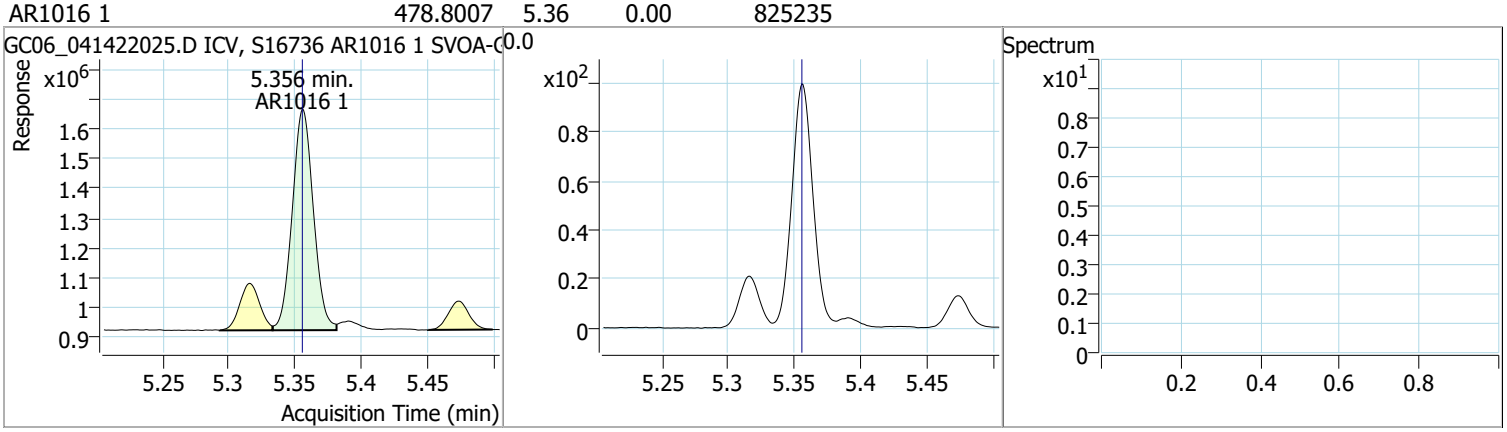
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	19.4820	5.01	0.00	1651154			



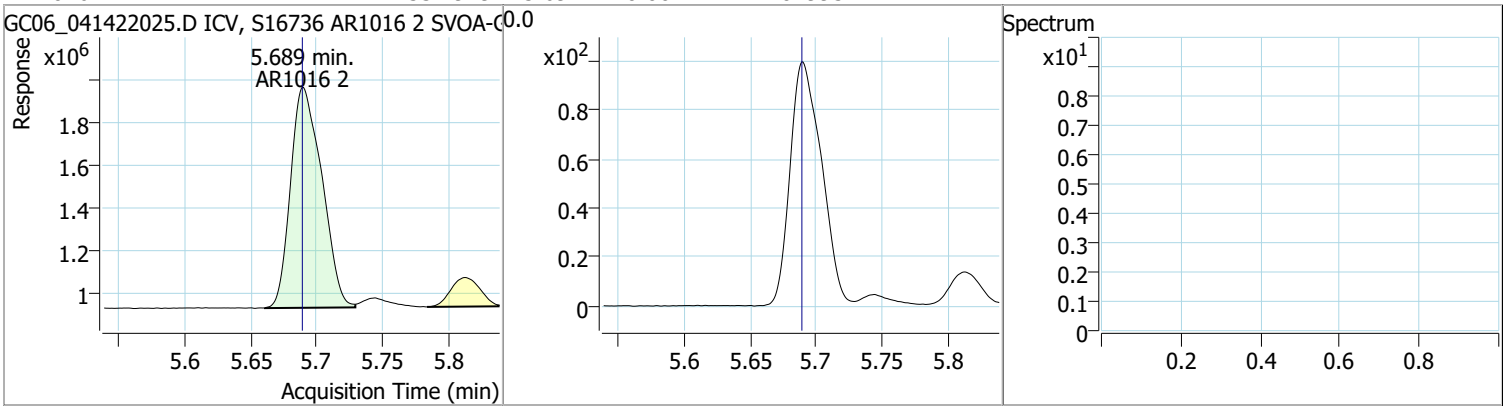
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	495.0491	5.35	0.00	2962090			



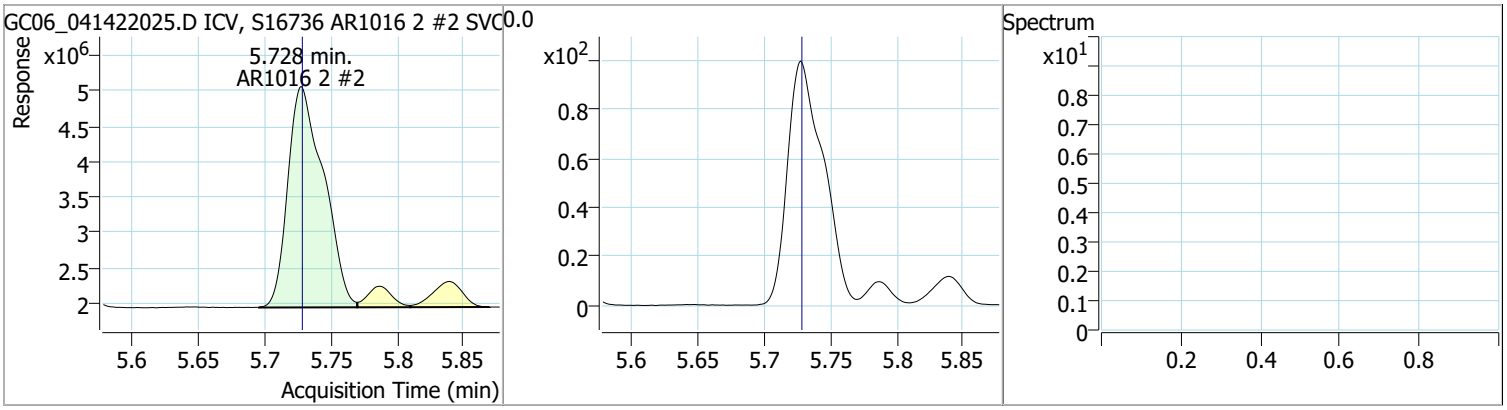
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	478.8007	5.36	0.00	825235			



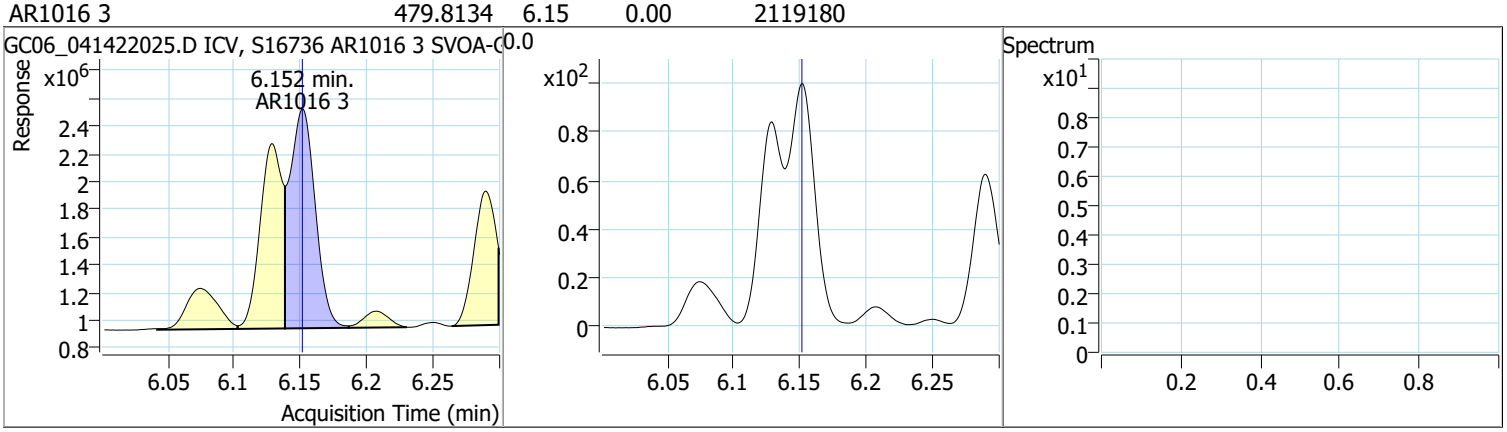
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
AR1016 2	453.7929	5.69	0.00	1702995		



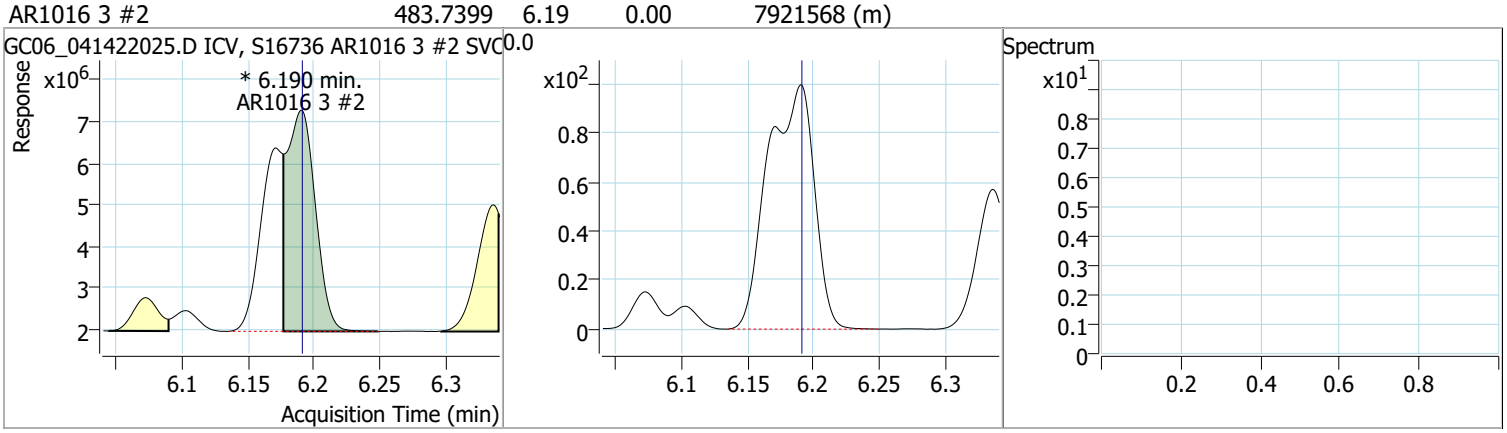
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
AR1016 2 #2	474.4186	5.73	0.00	5890904		



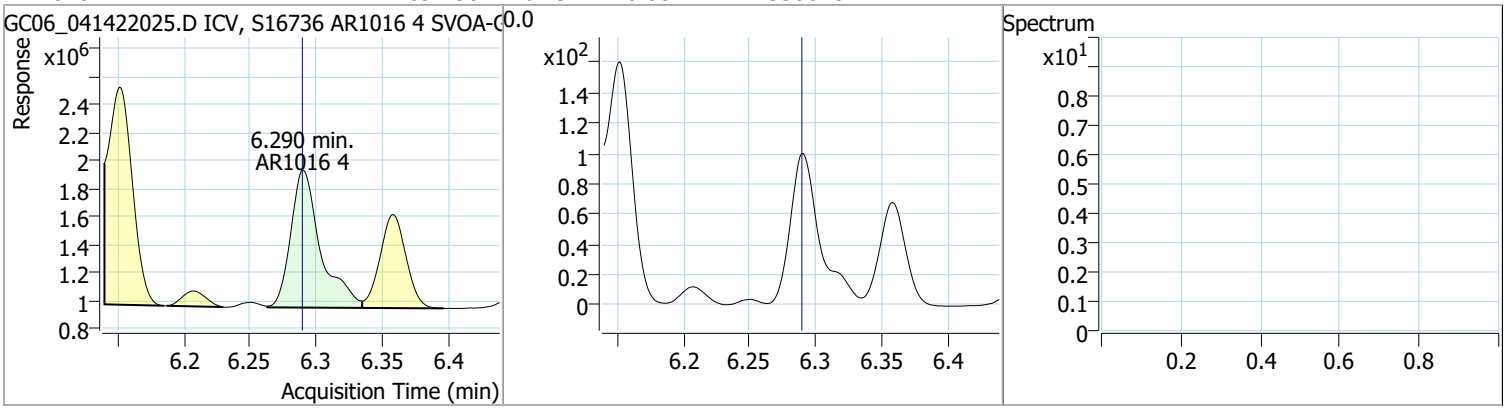
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
AR1016 3	479.8134	6.15	0.00	2119180		



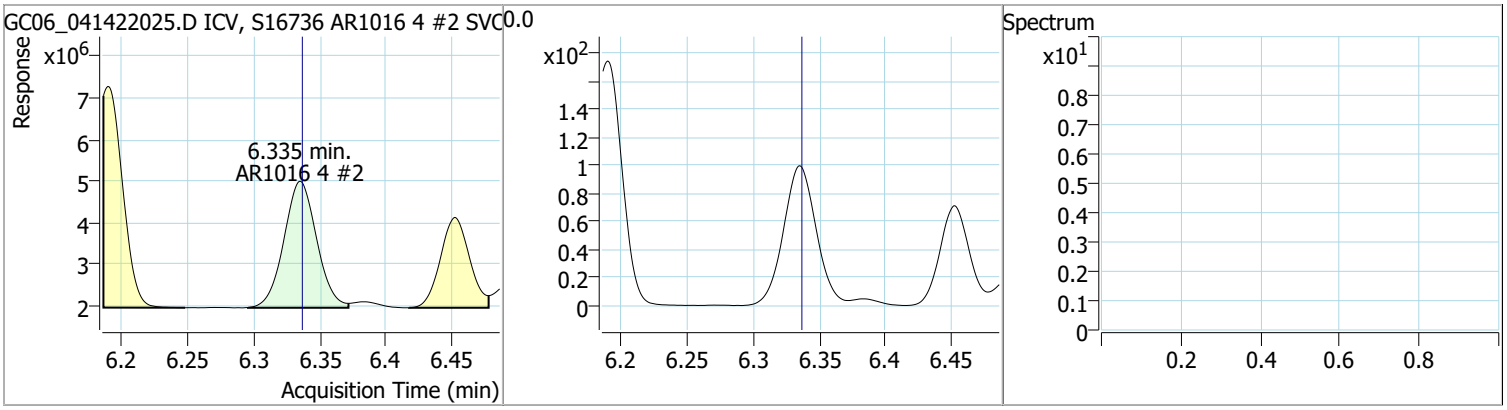
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
AR1016 3 #2	483.7399	6.19	0.00	7921568 (m)		



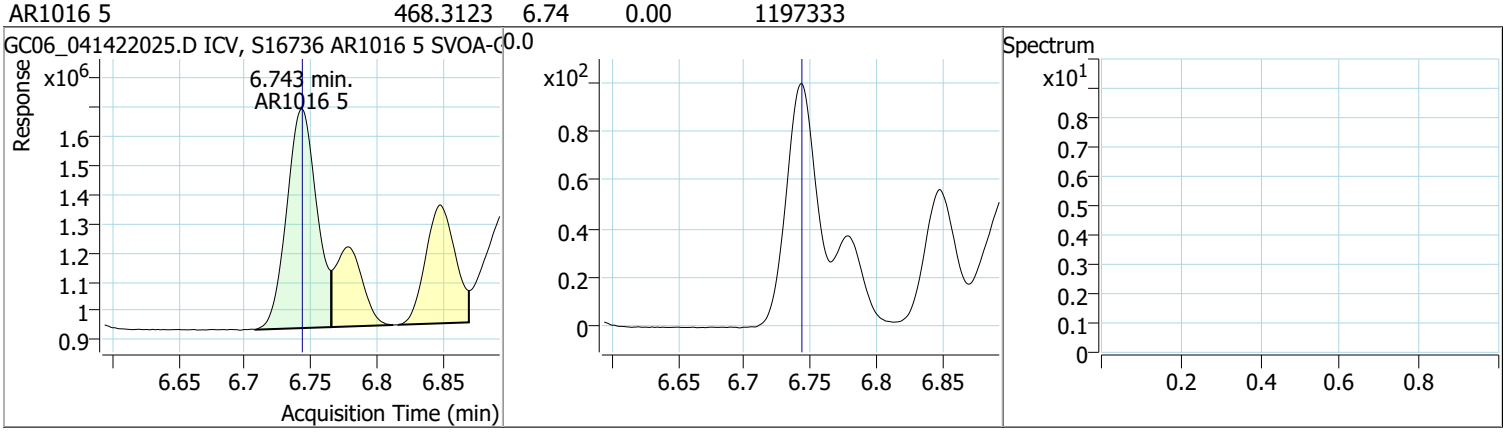
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	469.1584	6.29	0.00	1550648			



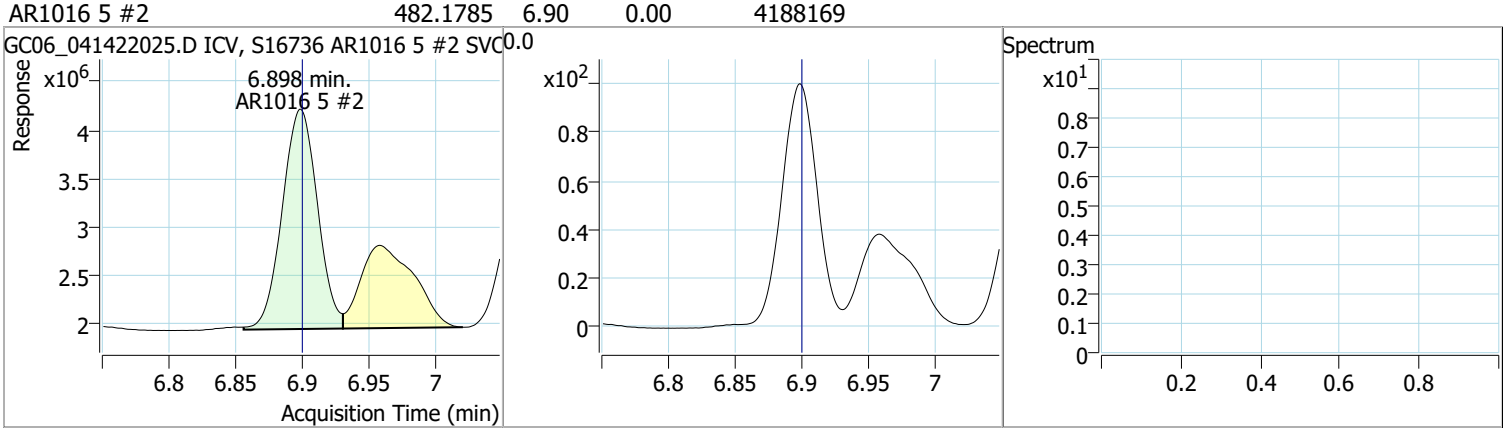
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	470.8659	6.34	0.00	5231236			



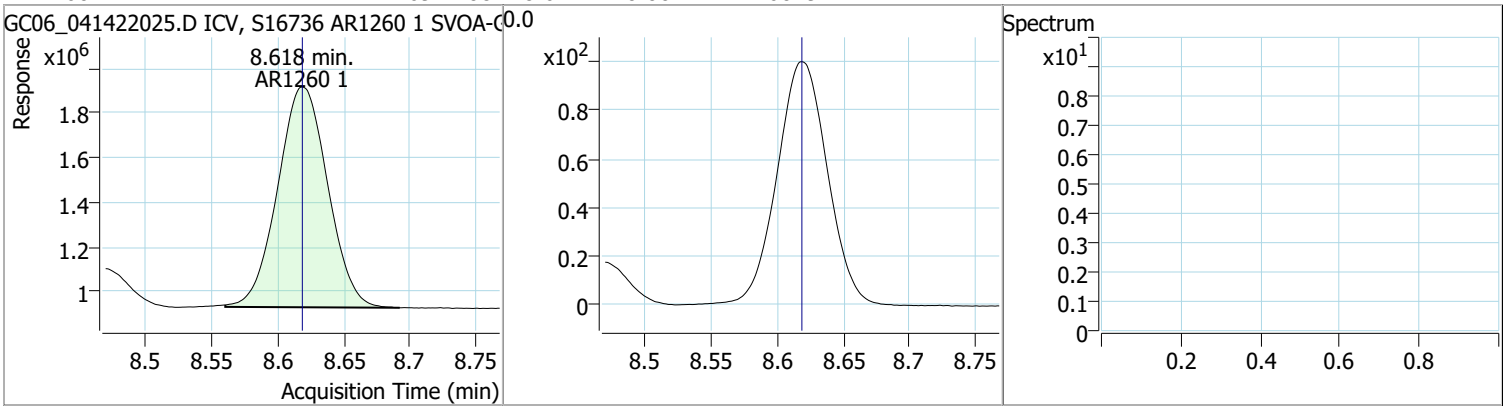
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	468.3123	6.74	0.00	1197333			



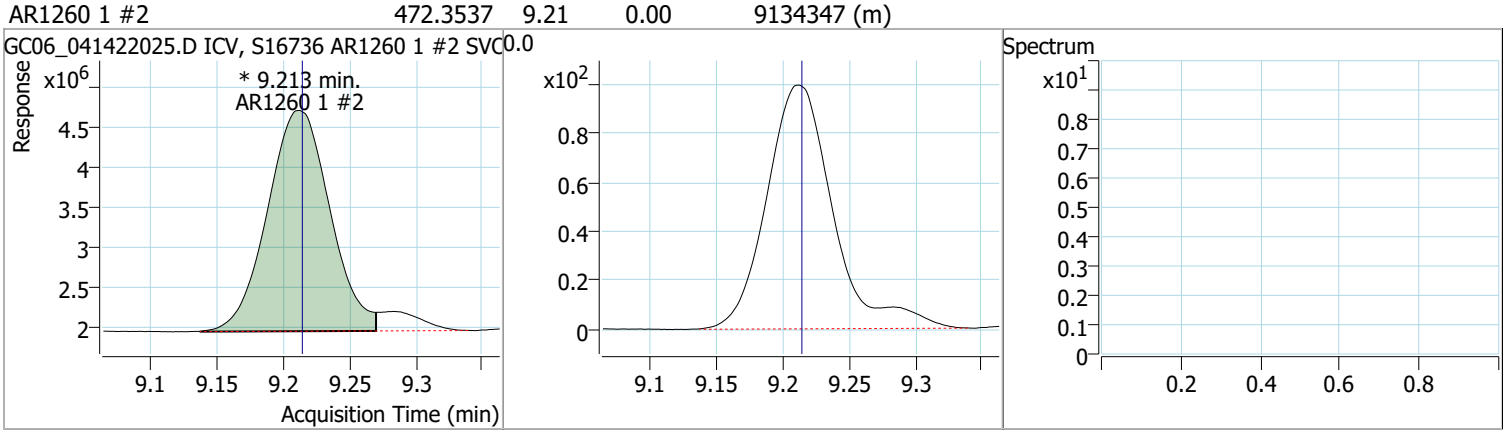
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	482.1785	6.90	0.00	4188169			



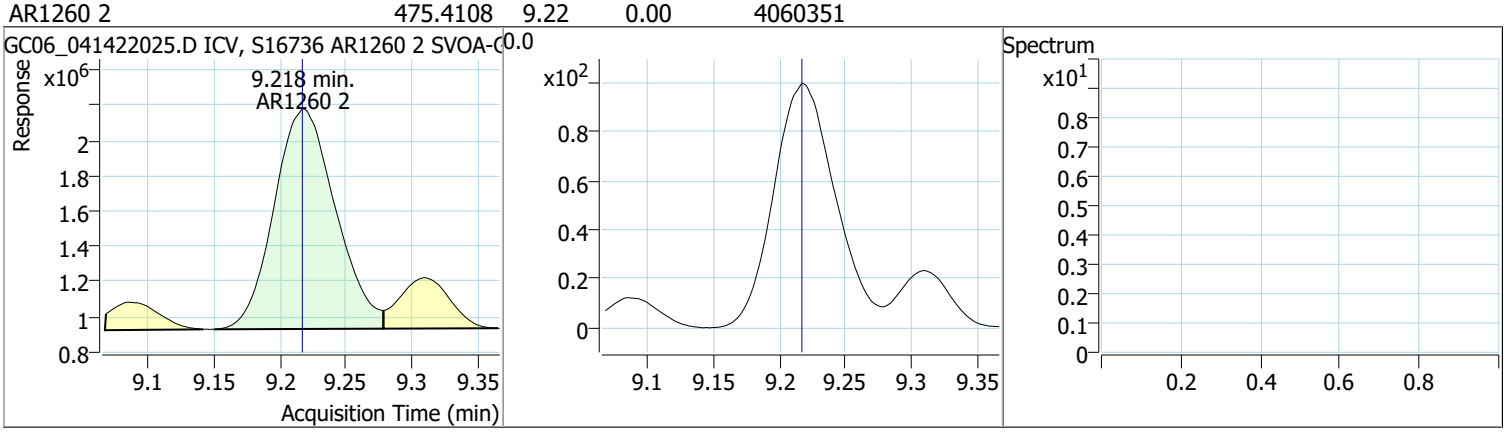
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
AR1260 1	469.7708	8.62	0.00	2604917		



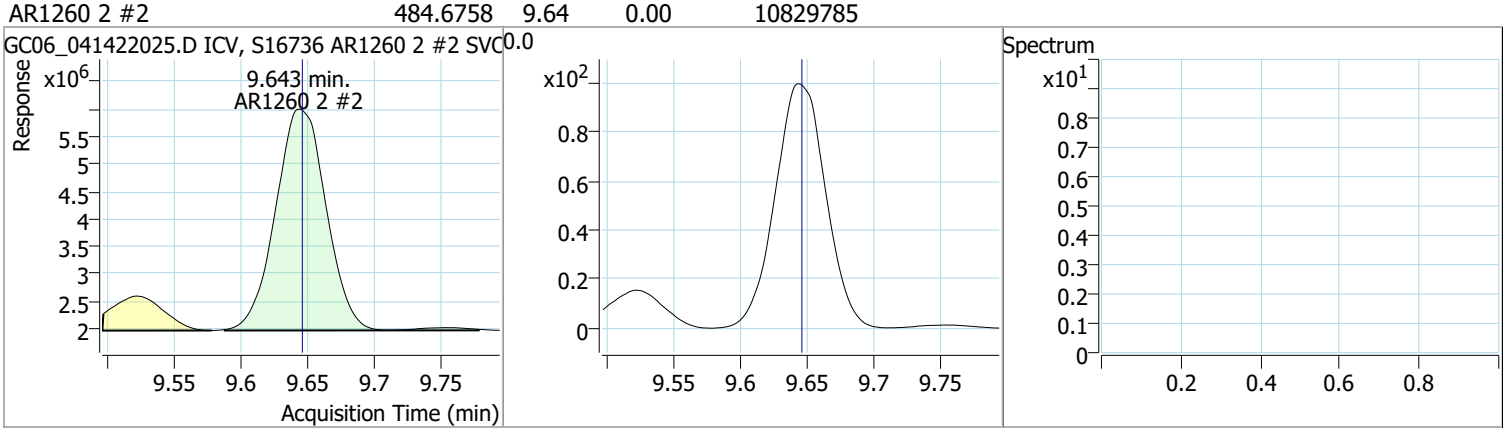
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
AR1260 1 #2	472.3537	9.21	0.00	9134347 (m)		



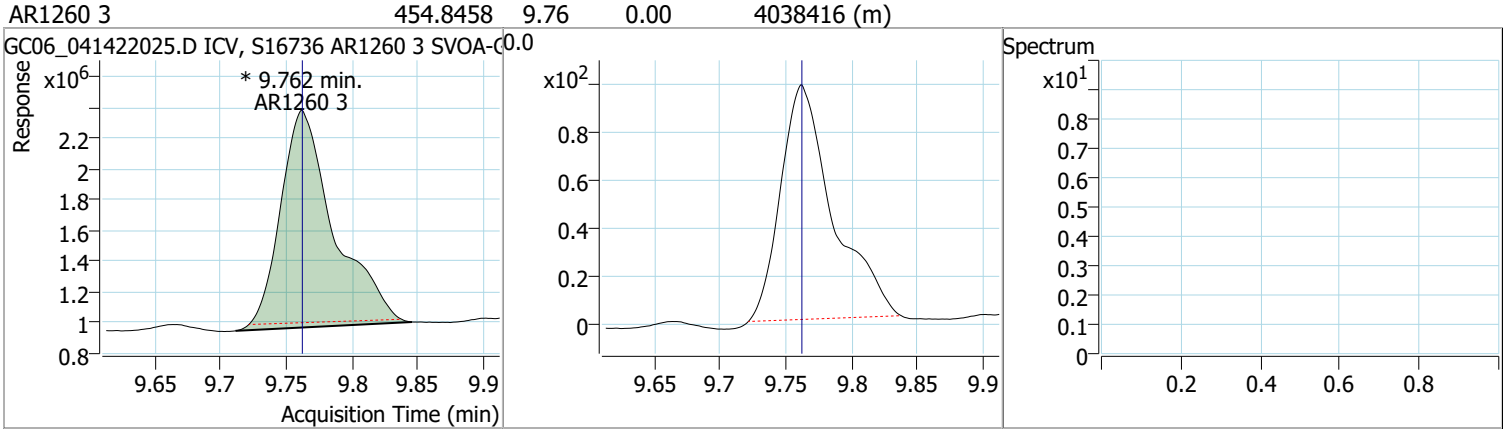
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
AR1260 2	475.4108	9.22	0.00	4060351		



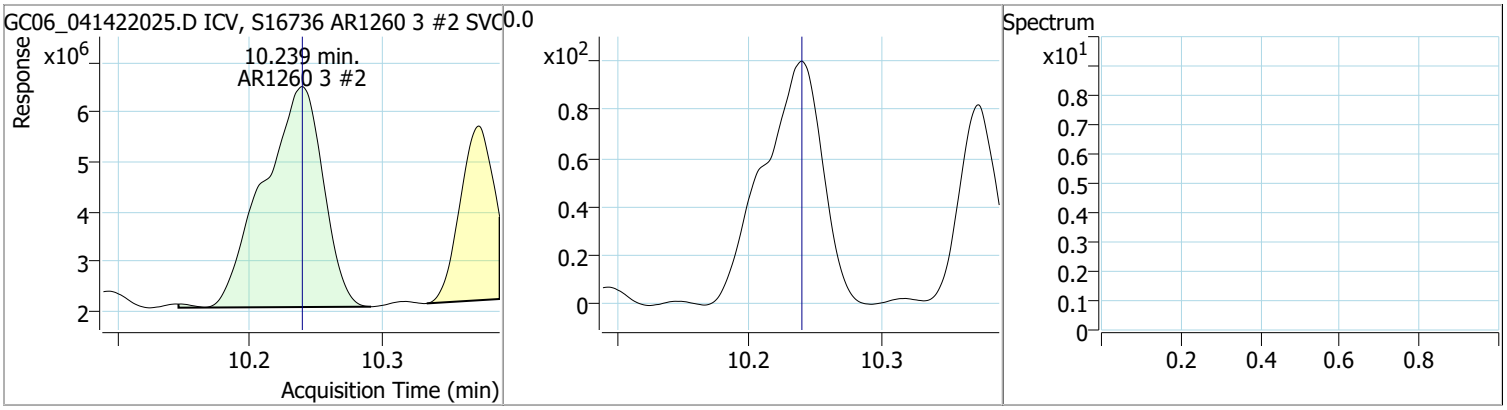
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
AR1260 2 #2	484.6758	9.64	0.00	10829785		



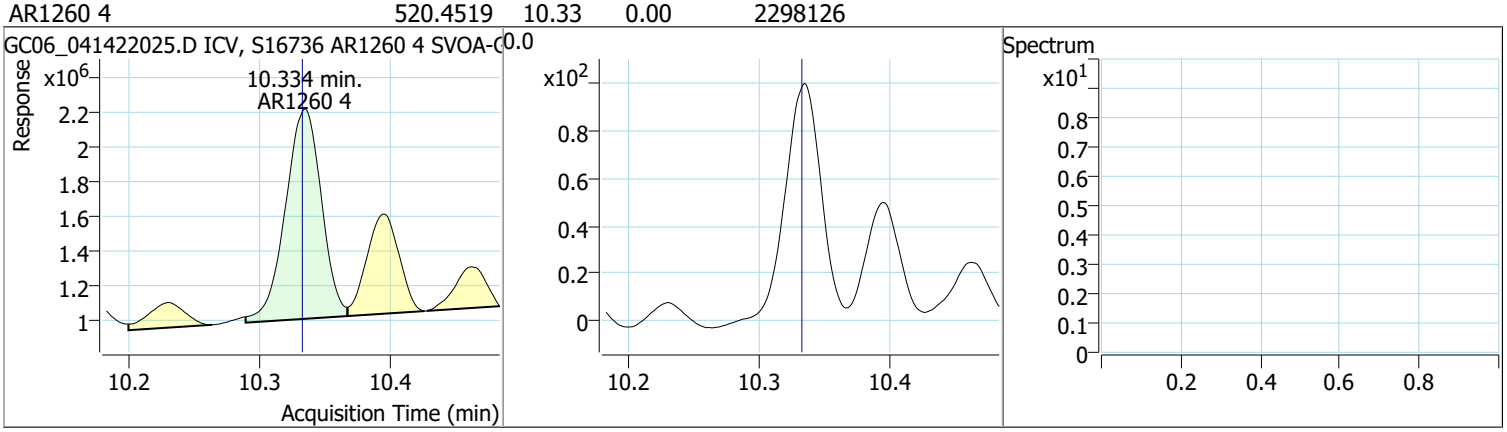
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	454.8458	9.76	0.00	4038416 (m)			



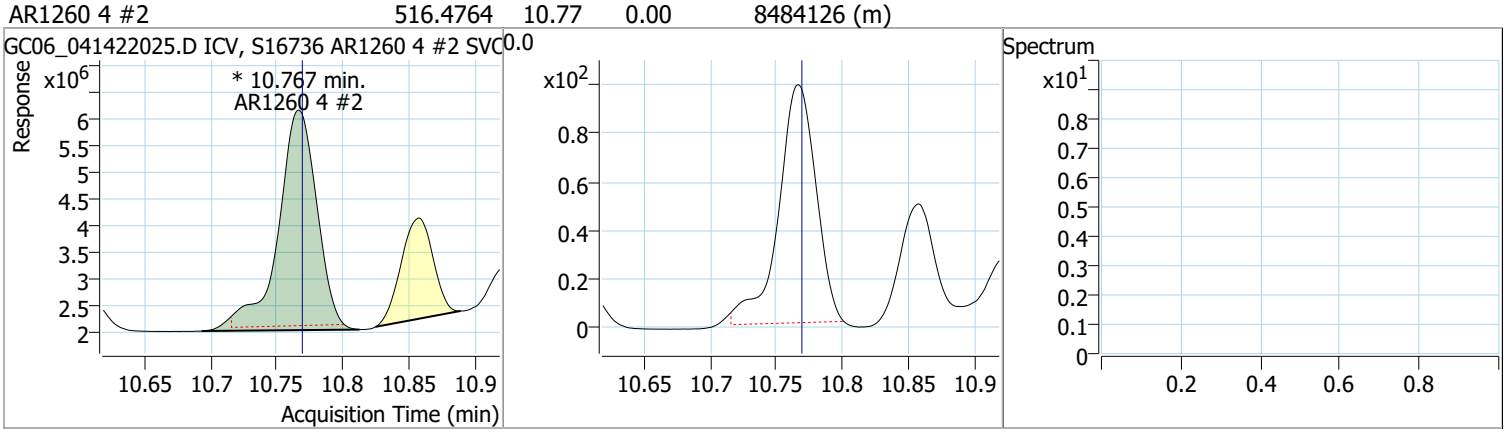
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	457.0112	10.24	0.00	13873694			



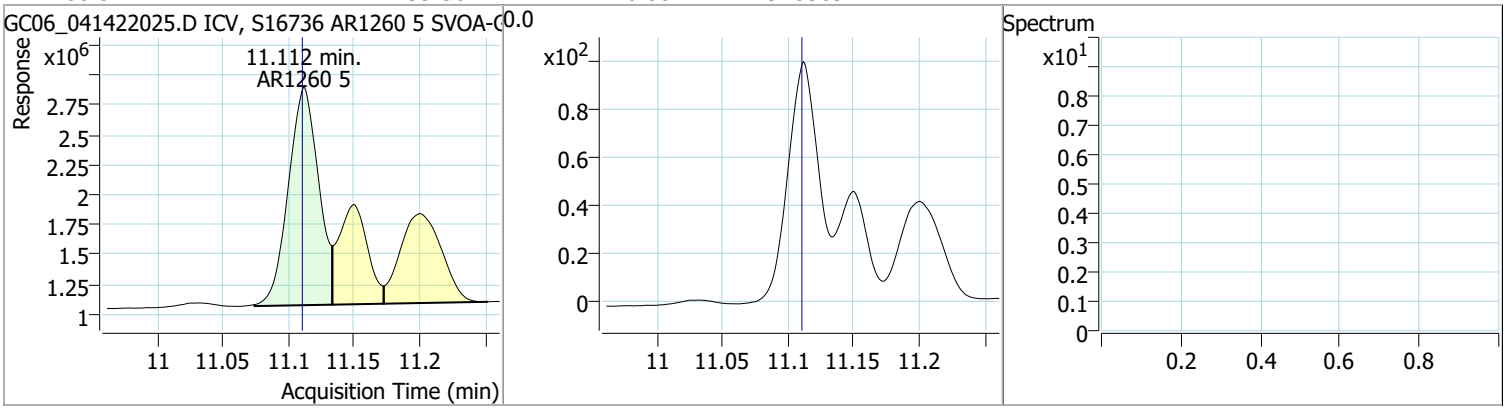
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	520.4519	10.33	0.00	2298126			



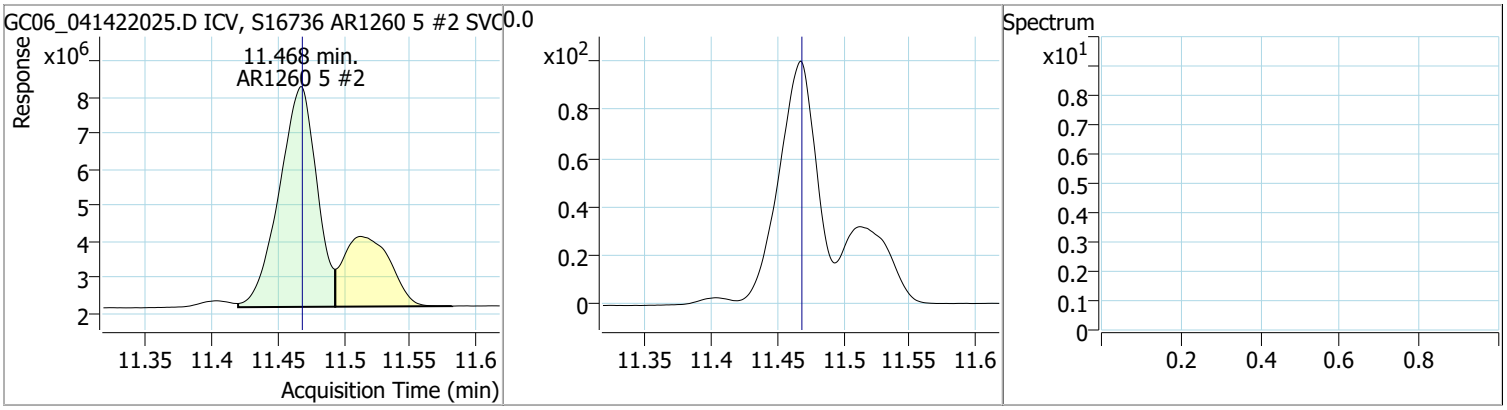
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	516.4764	10.77	0.00	8484126 (m)			



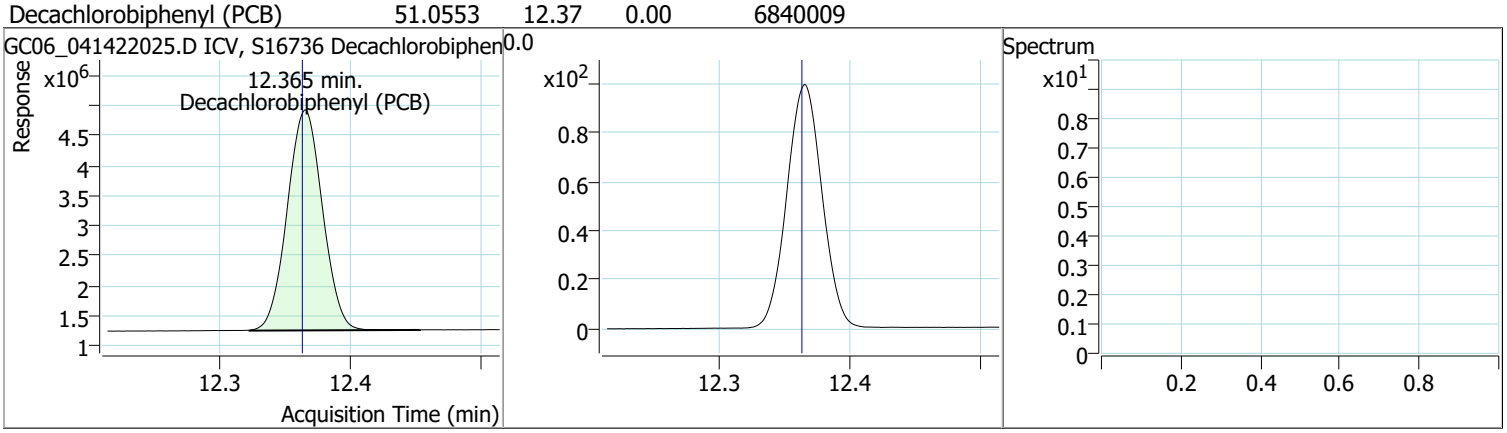
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	499.3624	11.11	0.00	2918389			



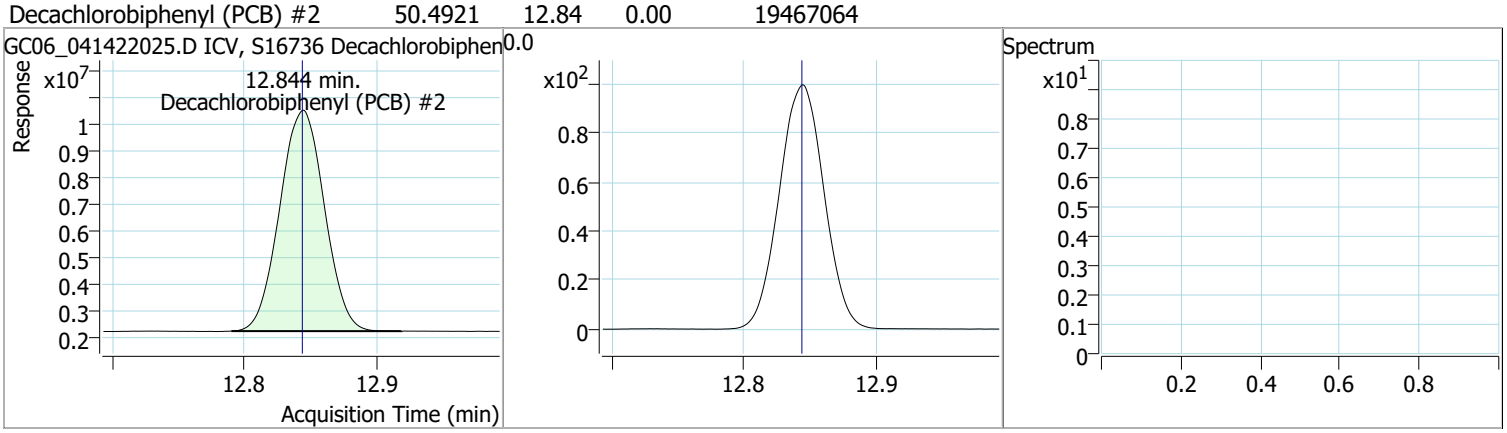
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	500.4410	11.47	0.00	12120070			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	51.0553	12.37	0.00	6840009			

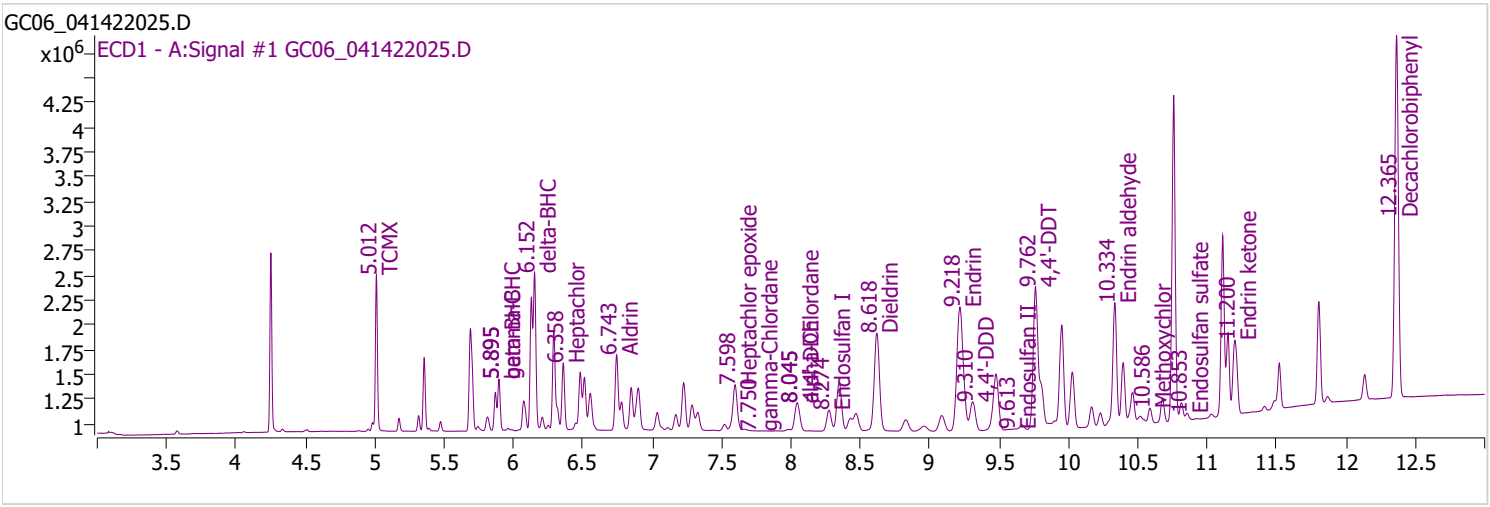


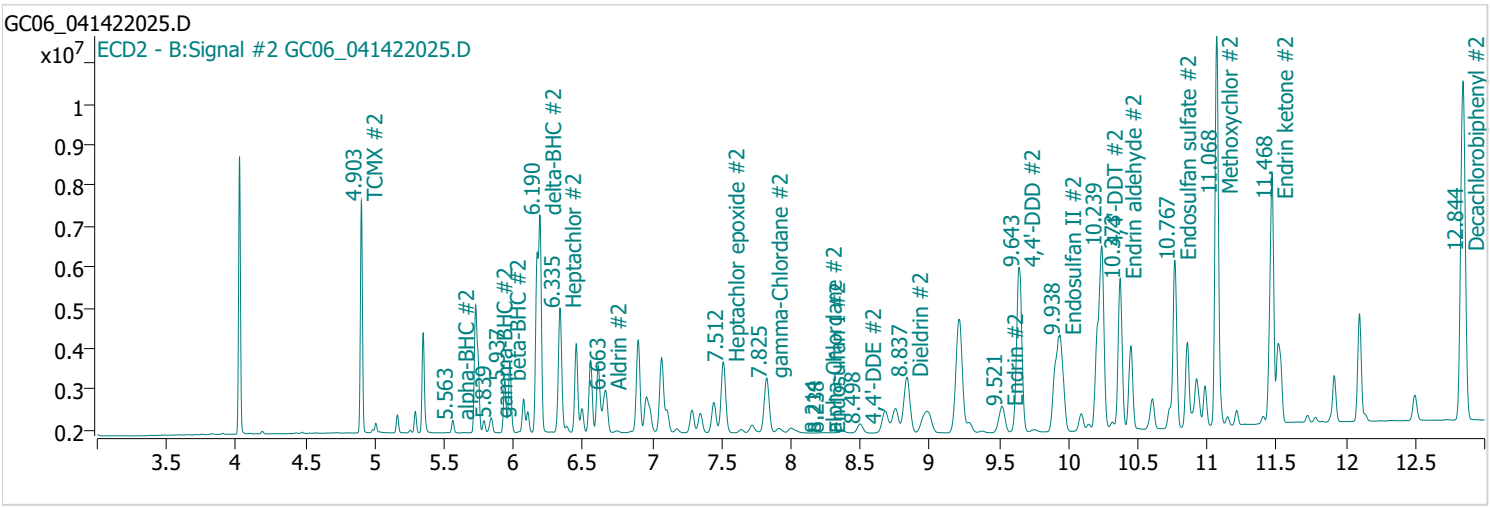
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	50.4921	12.84	0.00	19467064			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422025.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 9:37:00 PM
Sample Name	ICV, S16736	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 120	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 8:58:27 PM



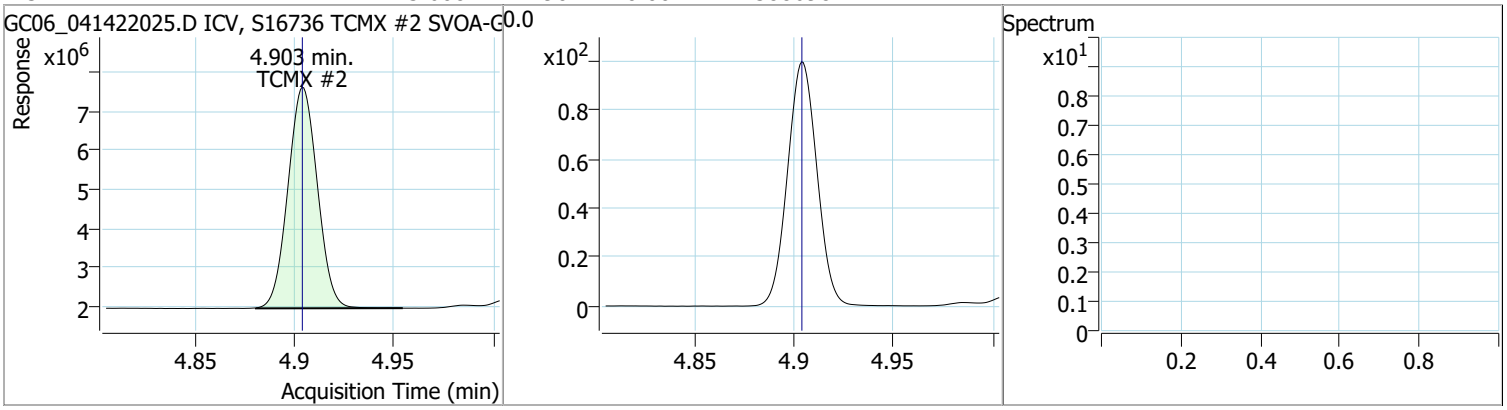


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.251	4.025	1753445	6387792	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.012	4.903	1649222	5886981	22.771	23.609	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	113.85%	118.04%	
S Decachlorobiphenyl	12.365	12.844	6821768	19316489	62.583	59.129	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	312.91% *	295.65% *	
Target Compounds							
T alpha-BHC	----	5.563 f	0	345584	N.D.	1.727 #	ng/ml
T gamma-BHC	5.895	5.839	637656	523516	10.069	2.568 #	ng/ml
T beta-BHC	5.895	5.937	633666	1667899	18.761	13.246 #	ng/ml
T delta-BHC	6.152	6.190	2083861	12938661	22.734	28.239	ng/ml
T Heptachlor	6.358	6.335	826612	5232272	12.250	17.510 #	ng/ml
T Aldrin	6.743	6.663 f	1196771	2297007	16.235	10.383 #	ng/ml
T Heptachlor epoxide	7.598	7.512	1002864	3492430	14.277	14.665	ng/ml
T gamma-Chlordane	7.750	7.825	403	3223540	0.008	12.445 #	ng/ml
T alpha-Chlordane	8.045	8.214 f	447428	30146	8.143	0.165 #	ng/ml

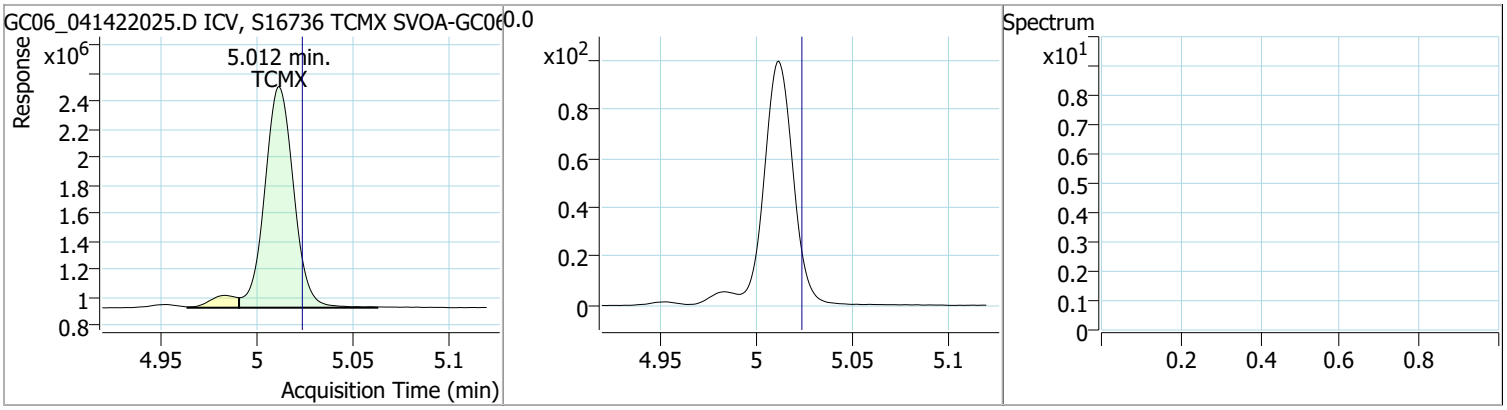
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.274	8.238	455772	17753	8.667	0.108 #	ng/ml
T 4,4'-DDE	8.045	8.498 f	689271	572005	12.913	3.514 #	ng/ml
T Dieldrin	8.618	8.837	2545513	3715515	34.073	18.376 #	ng/ml
T Endrin	9.218	9.521	1971651	1905799	24.244	10.830 #	ng/ml
T 4,4'-DDD	9.310	9.643 f	471768	9806439	12.167	50.492 #	ng/ml
T Endosulfan II	9.613	9.938 f	16477	7866789	0.343	30.259 #	ng/ml
T 4,4'-DDT	9.762	10.239	3042557	13813267	46.130	45.912	ng/ml
T Endrin aldehyde	10.334	10.373	2145465	7124371	41.174	38.621	ng/ml
T Endosulfan sulfate	10.853	10.767	51876	8477372	1.214	39.209 #	ng/ml
T Methoxychlor	10.586	11.068 f	222120	16981204	8.033	142.595 #	ng/ml
T Endrin ketone	11.200	11.468 f	1304087	11080565	21.220	40.351 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

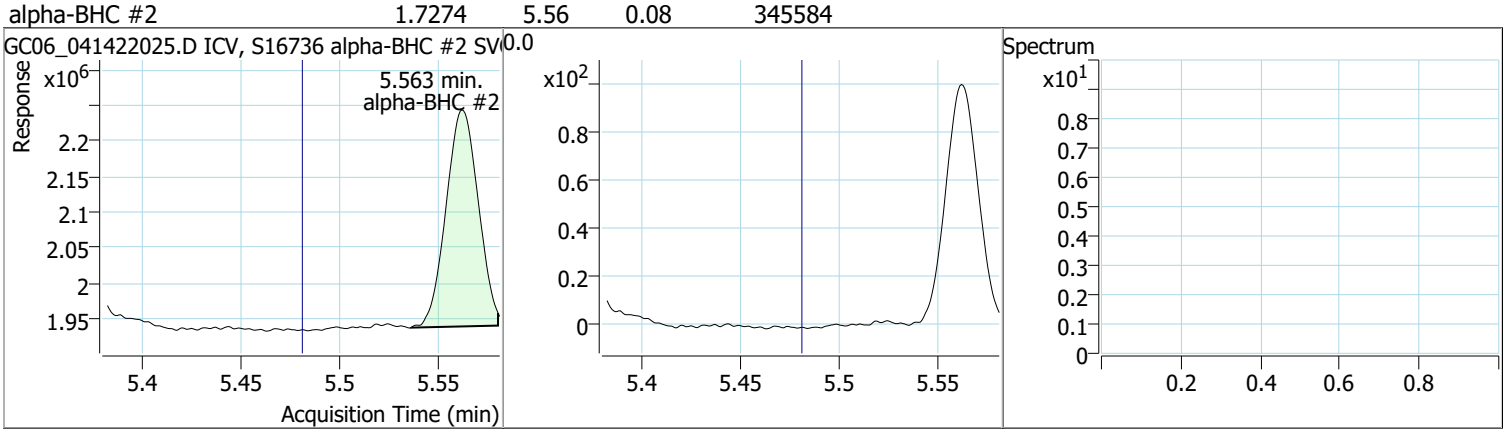
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	23.6087	4.90	0.00	5886981			



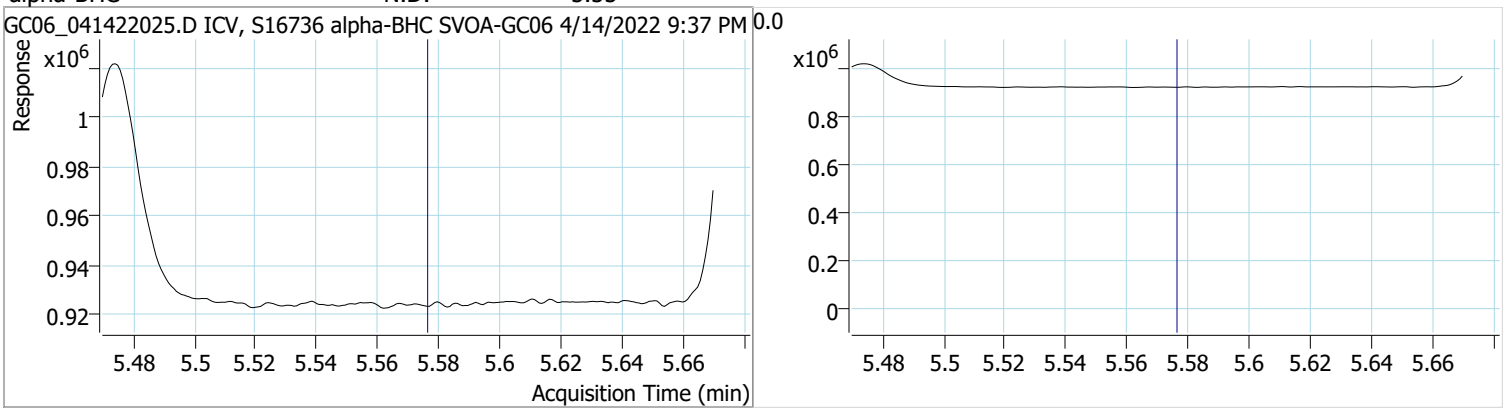
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	22.7706	5.01	0.01	1649222			



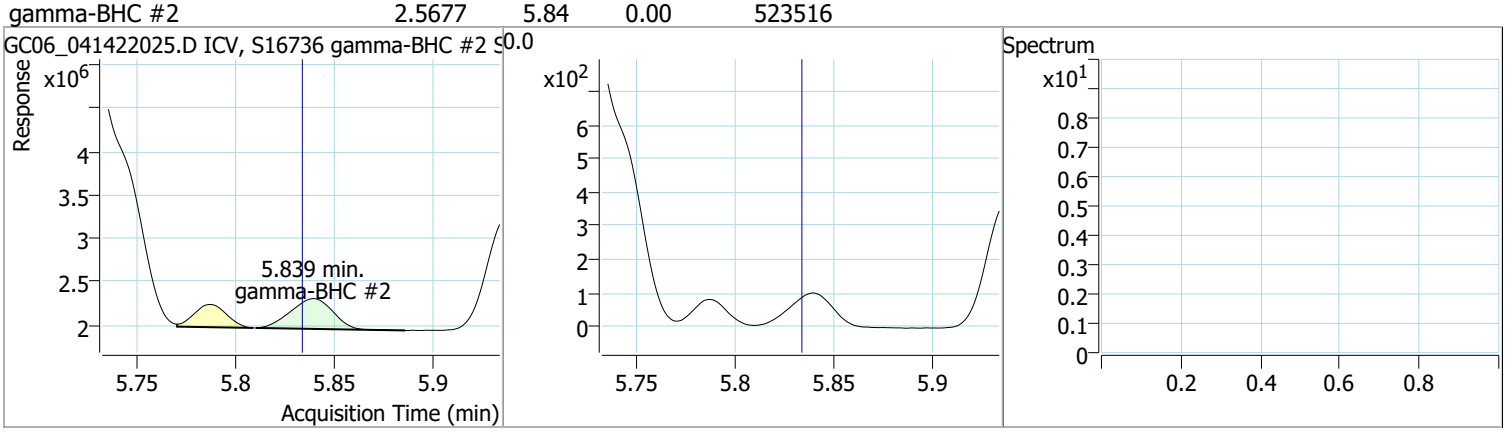
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	1.7274	5.56	0.08	345584			



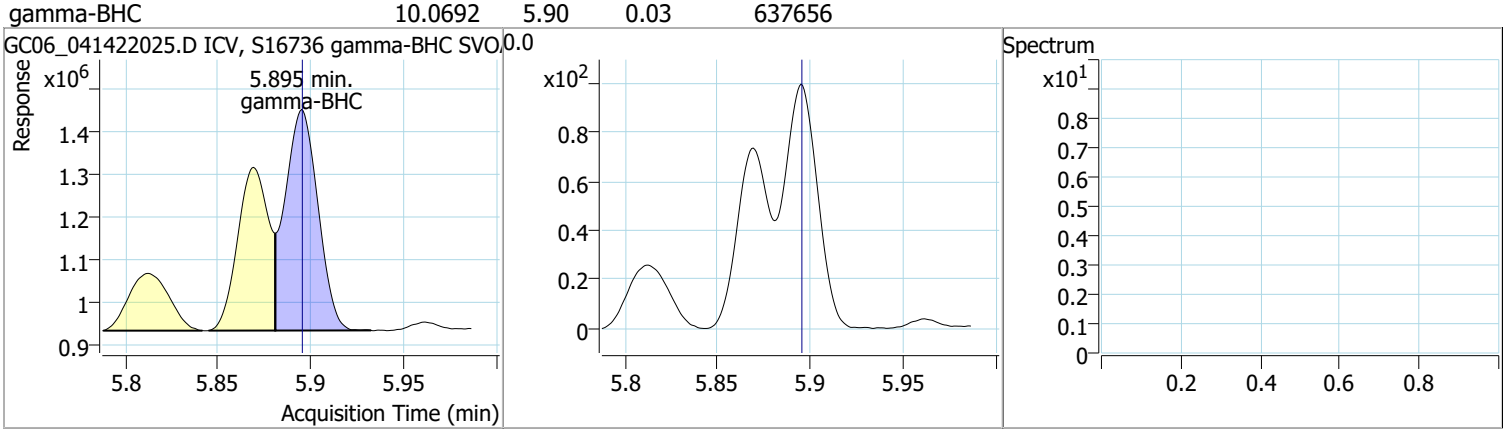
Compound	Conc.		Exp Ratio
alpha-BHC	N.D.	5.55	



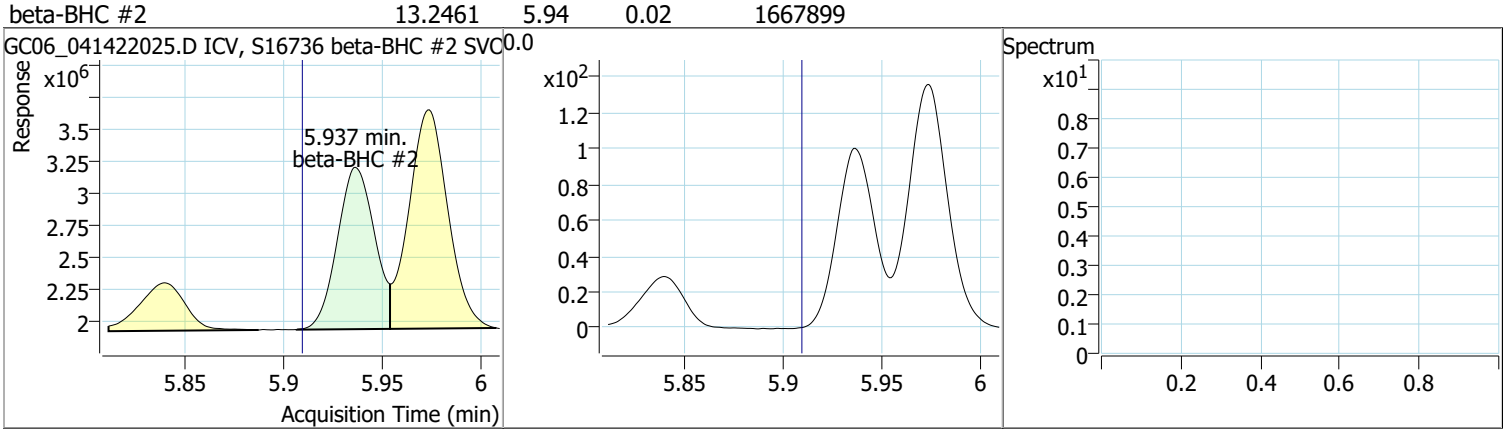
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	2.5677	5.84	0.00	523516			



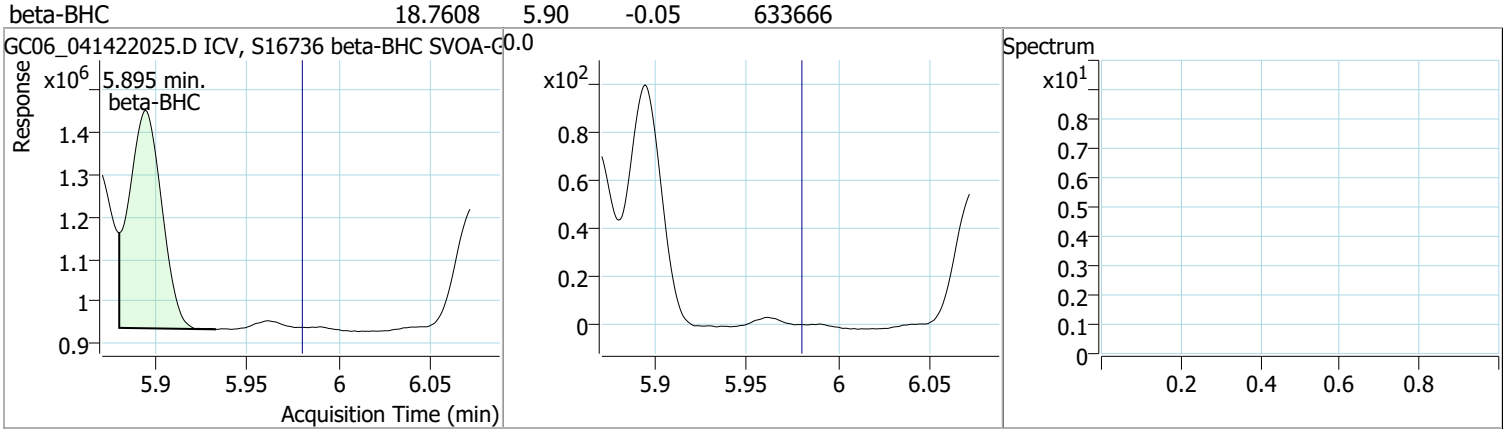
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	10.0692	5.90	0.03	637656			



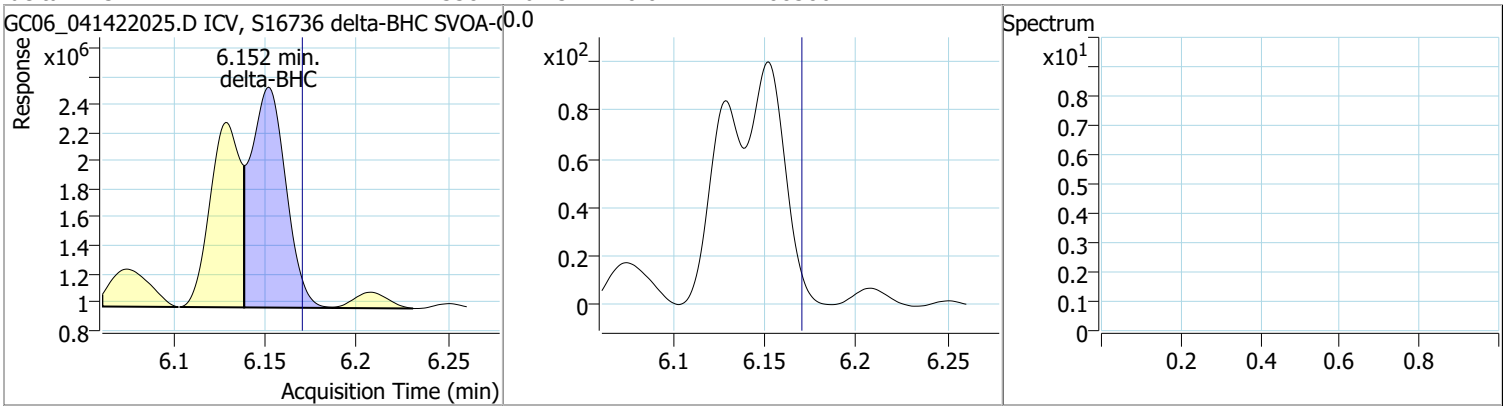
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	13.2461	5.94	0.02	1667899			



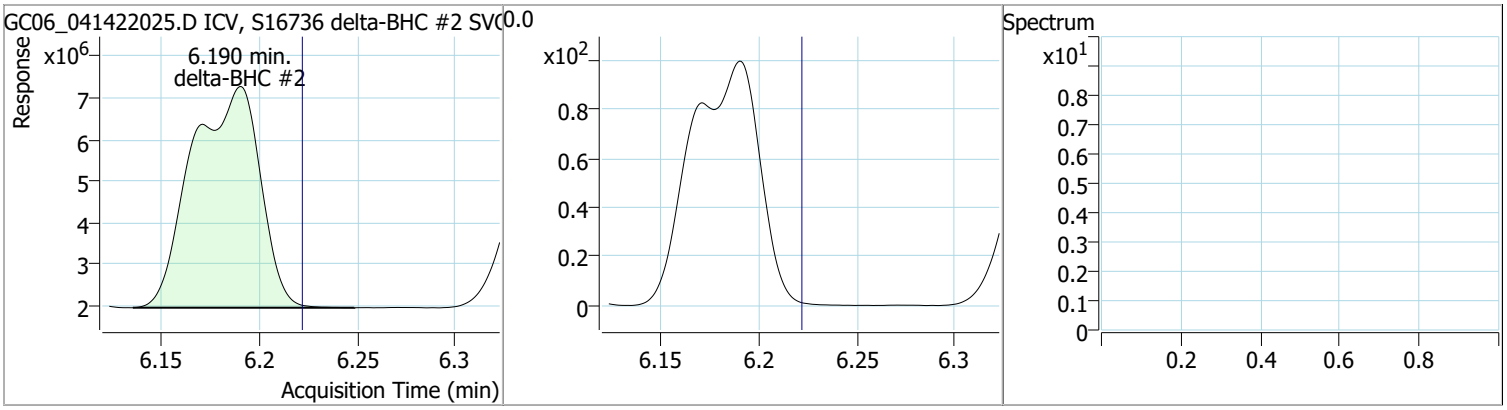
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	18.7608	5.90	-0.05	633666			



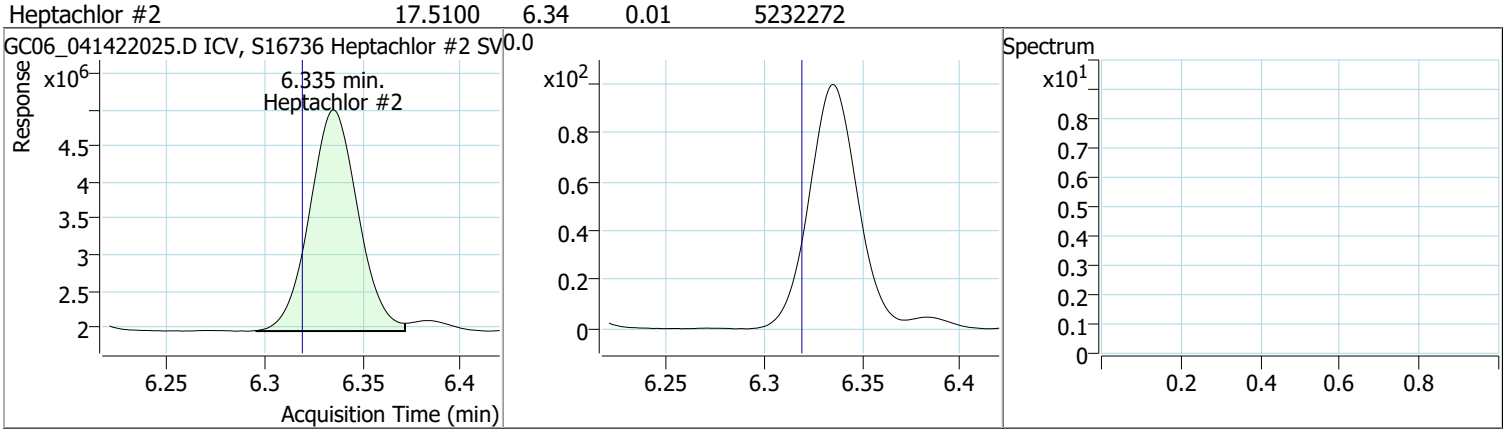
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	22.7338	6.15	0.01	2083861			



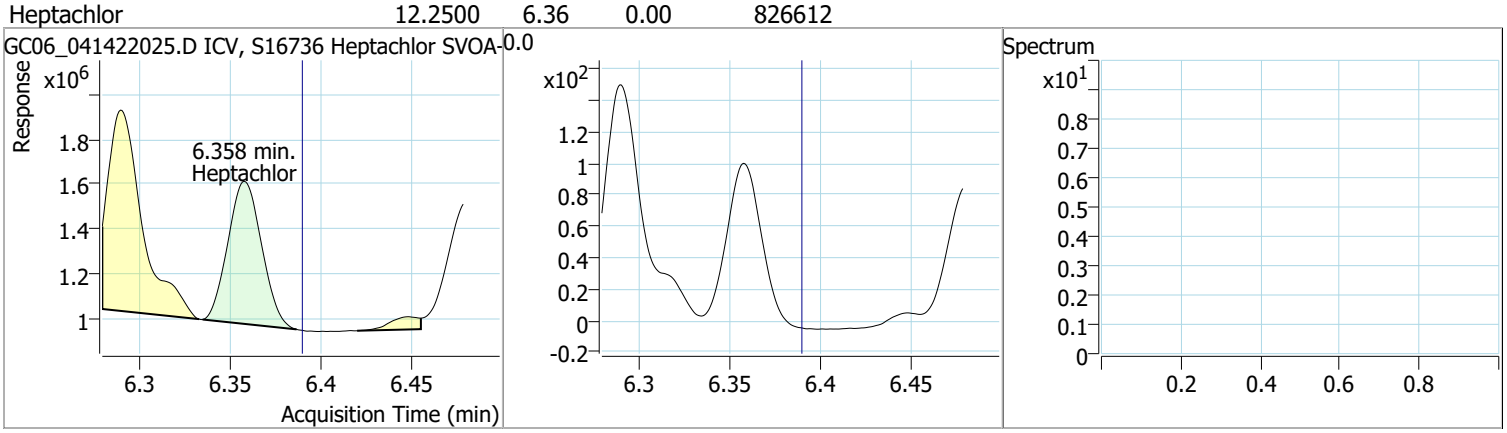
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	28.2394	6.19	-0.03	12938661			



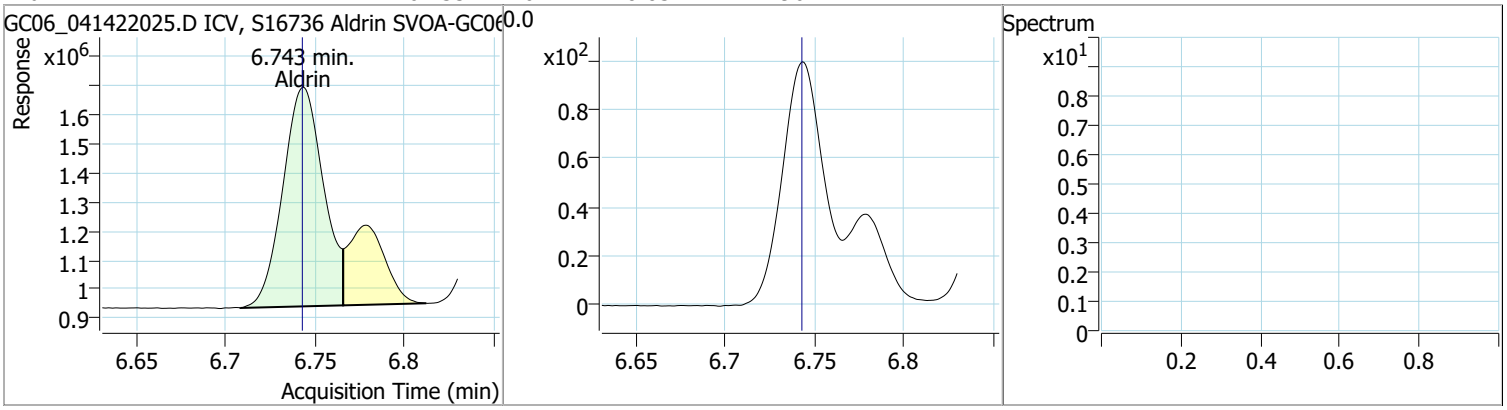
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	17.5100	6.34	0.01	5232272			



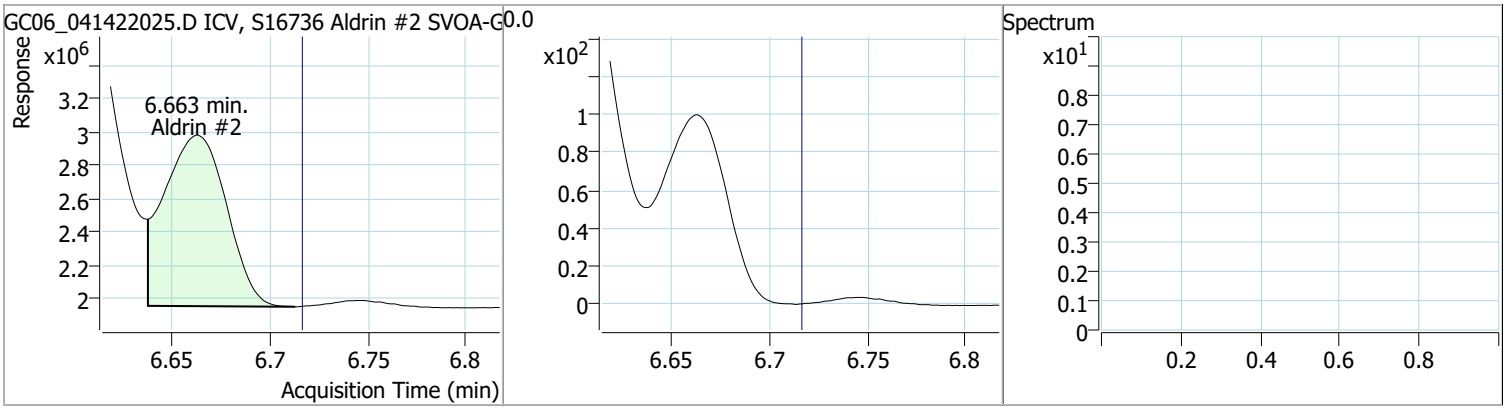
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	12.2500	6.36	0.00	826612			



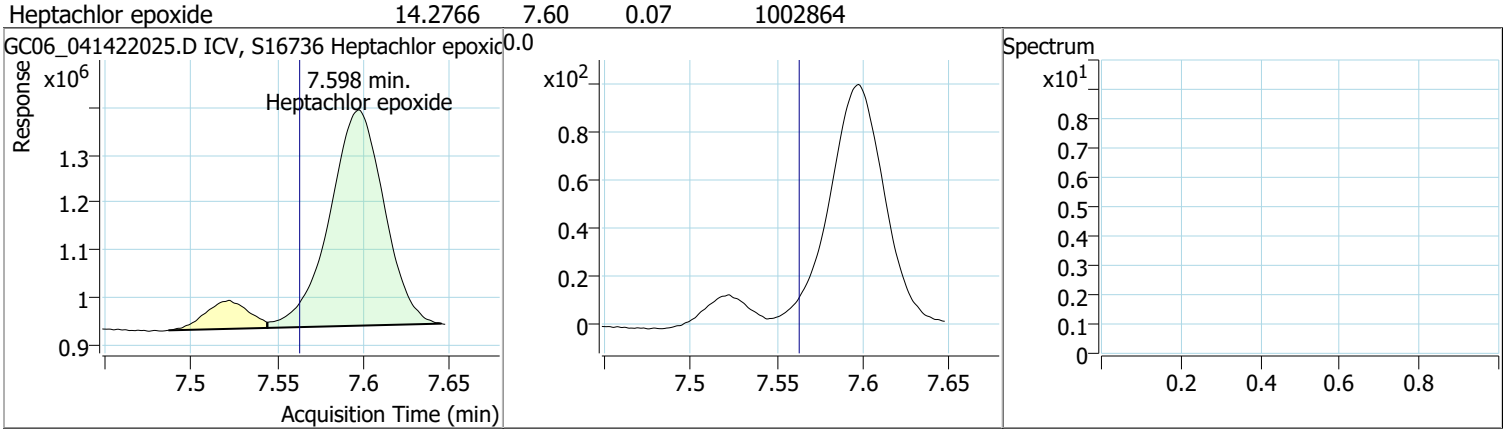
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	16.2351	6.74	0.03	1196771			



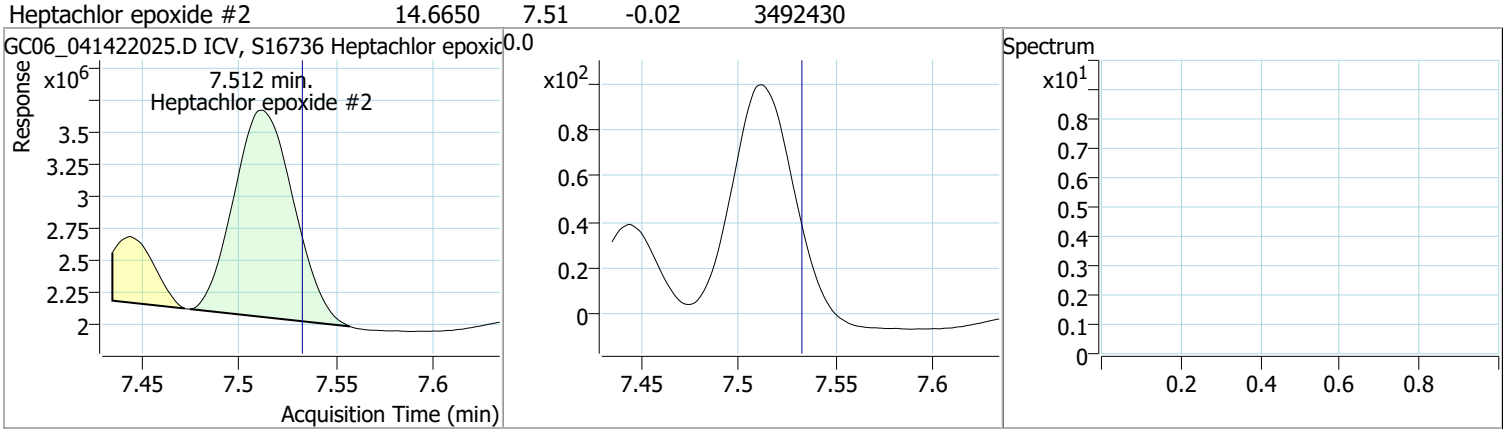
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	10.3830	6.66	-0.06	2297007			



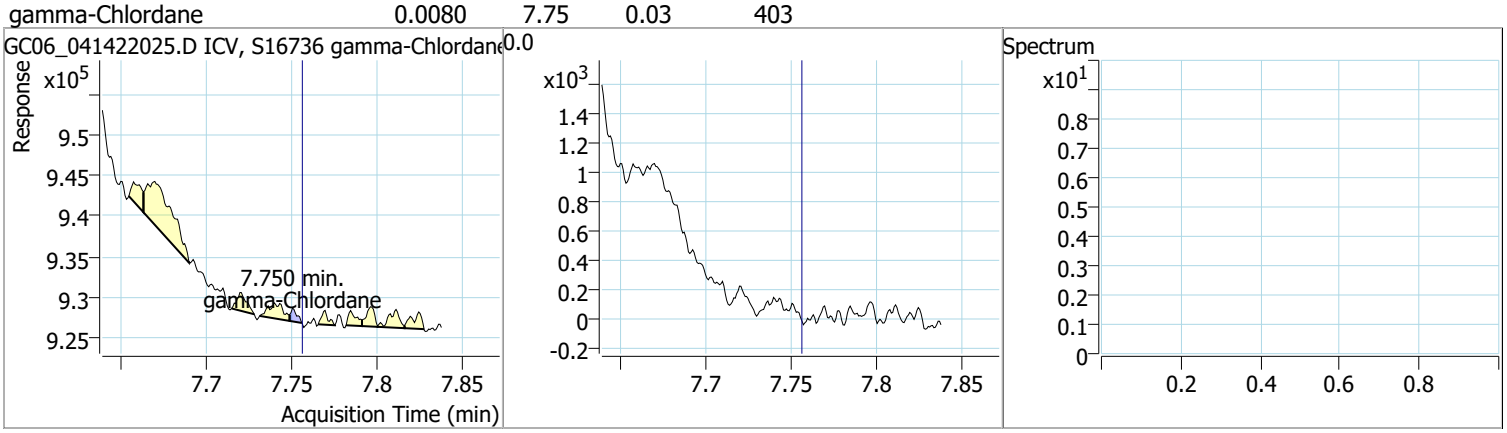
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	14.2766	7.60	0.07	1002864			



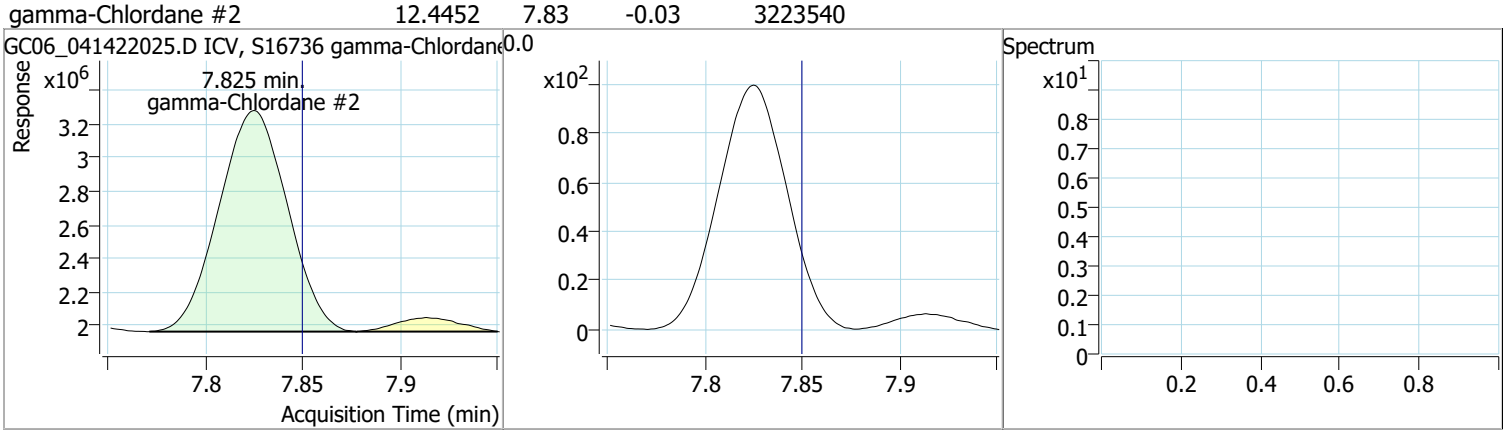
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	14.6650	7.51	-0.02	3492430			



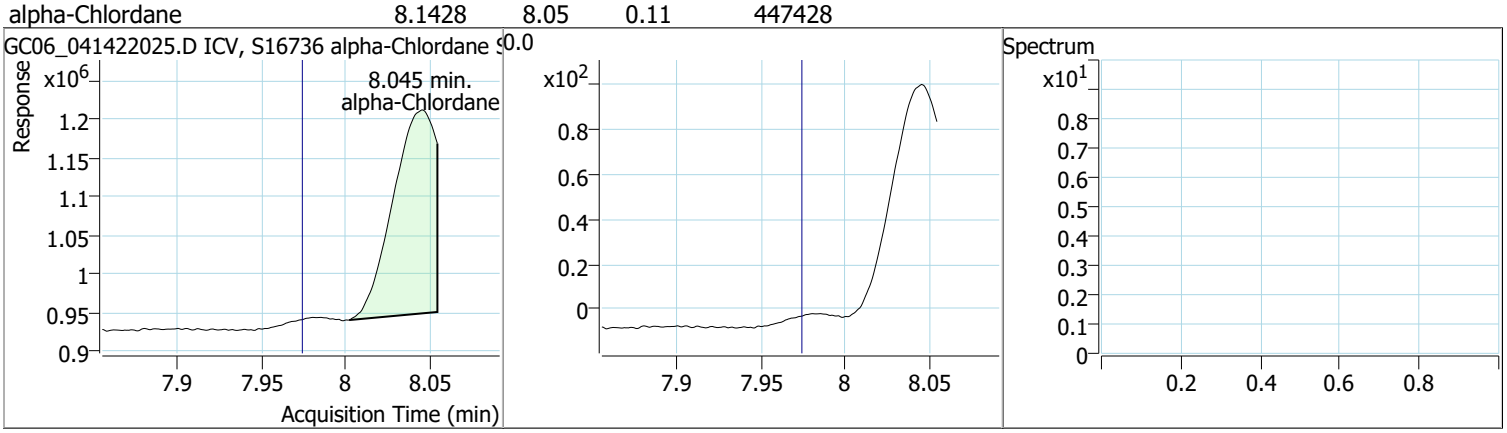
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0080	7.75	0.03	403			



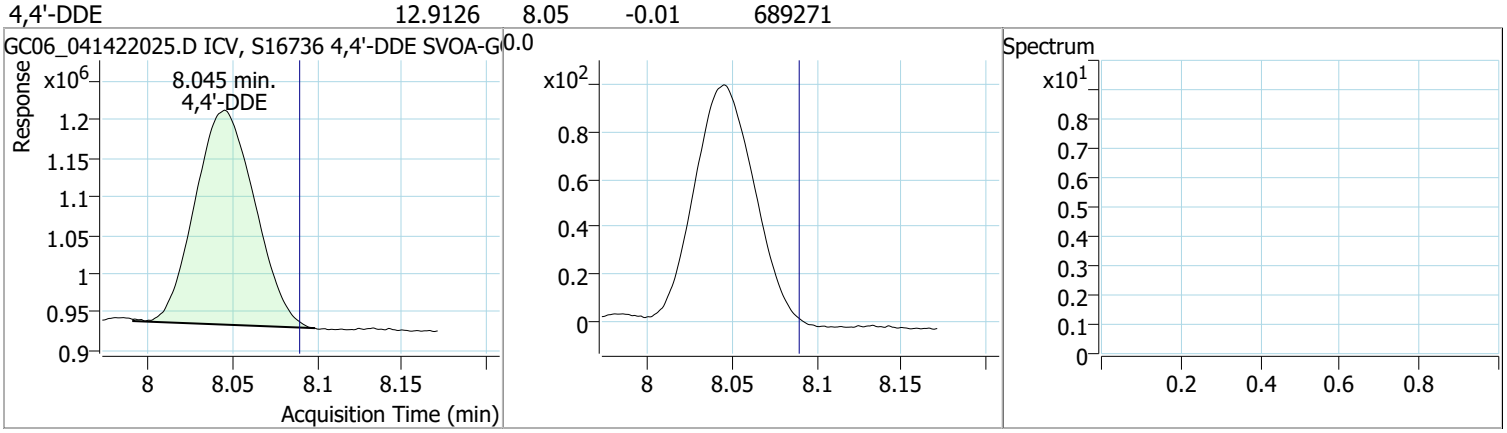
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	12.4452	7.83	-0.03	3223540			



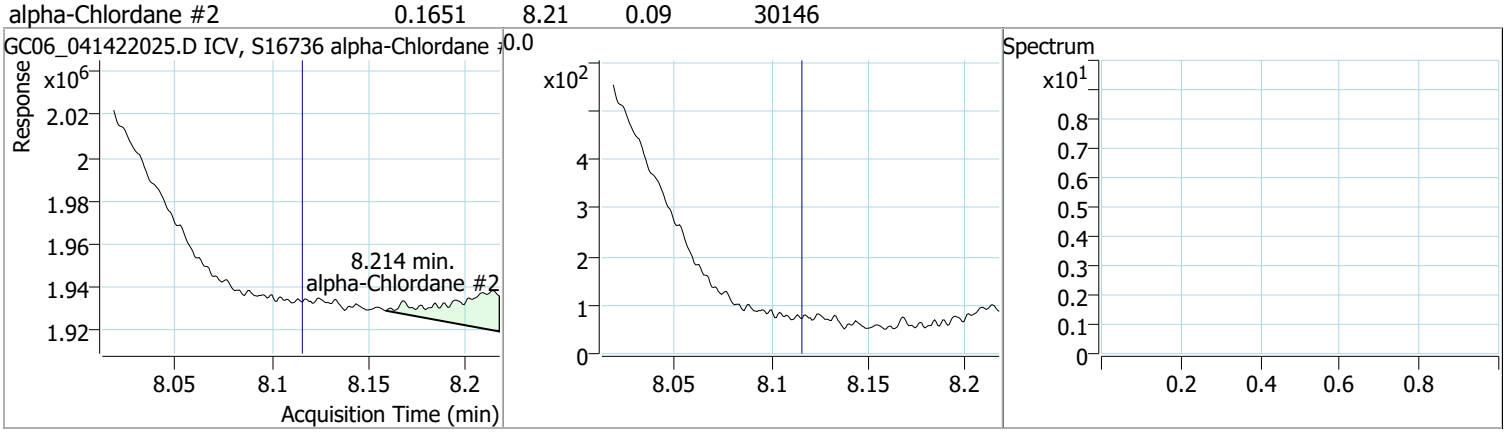
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	8.1428	8.05	0.11	447428			



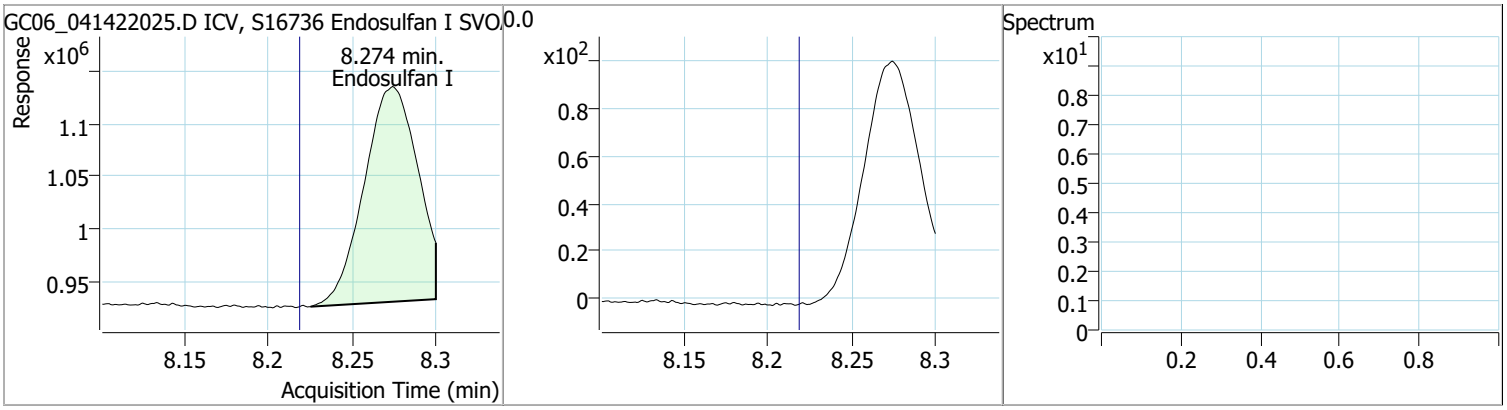
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	12.9126	8.05	-0.01	689271			



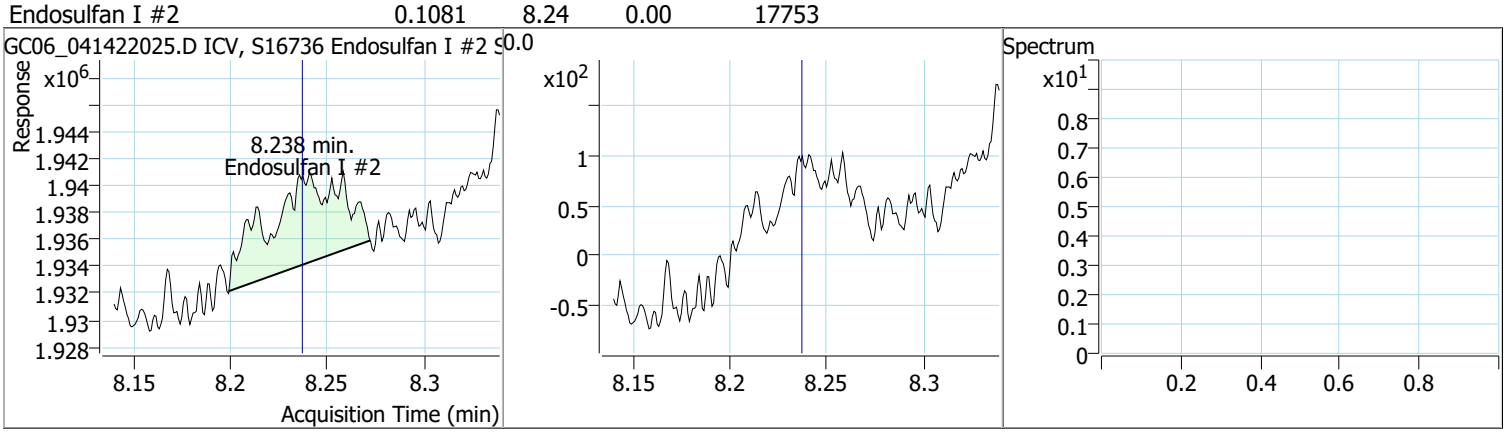
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.1651	8.21	0.09	30146		



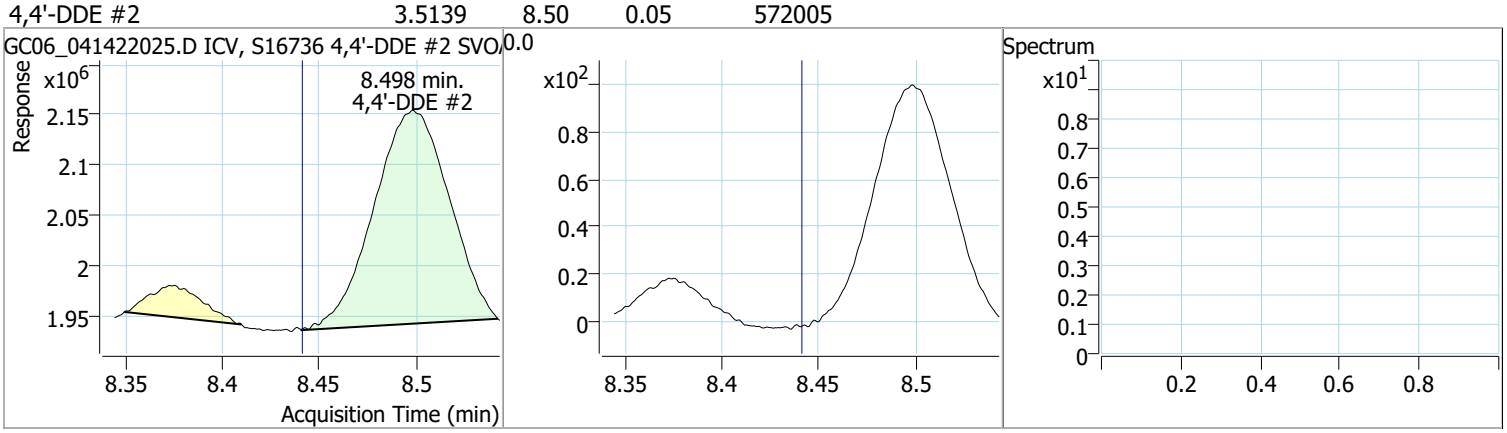
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	8.6675	8.27	0.10	455772		



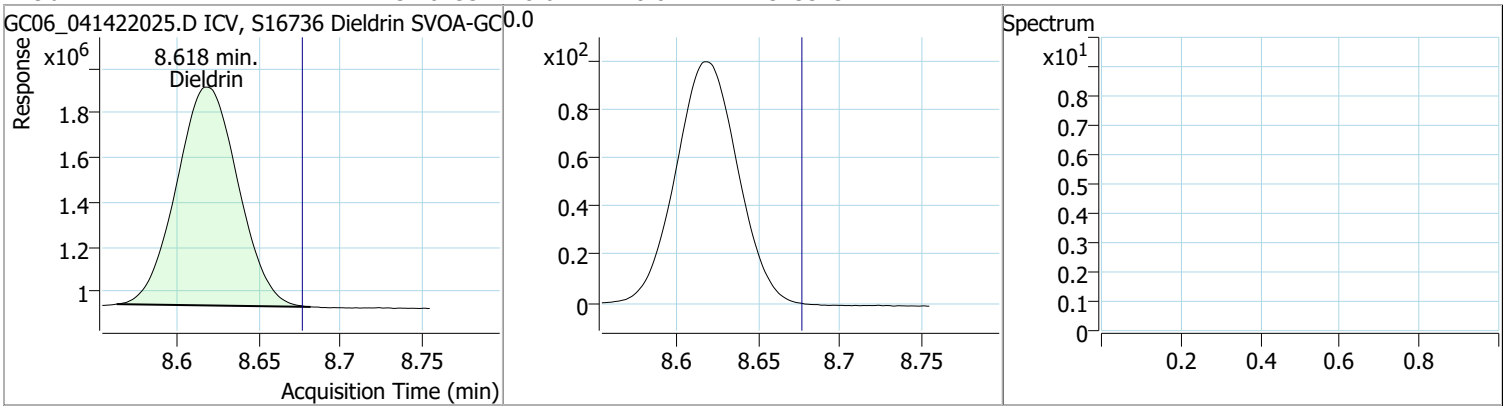
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.1081	8.24	0.00	17753		



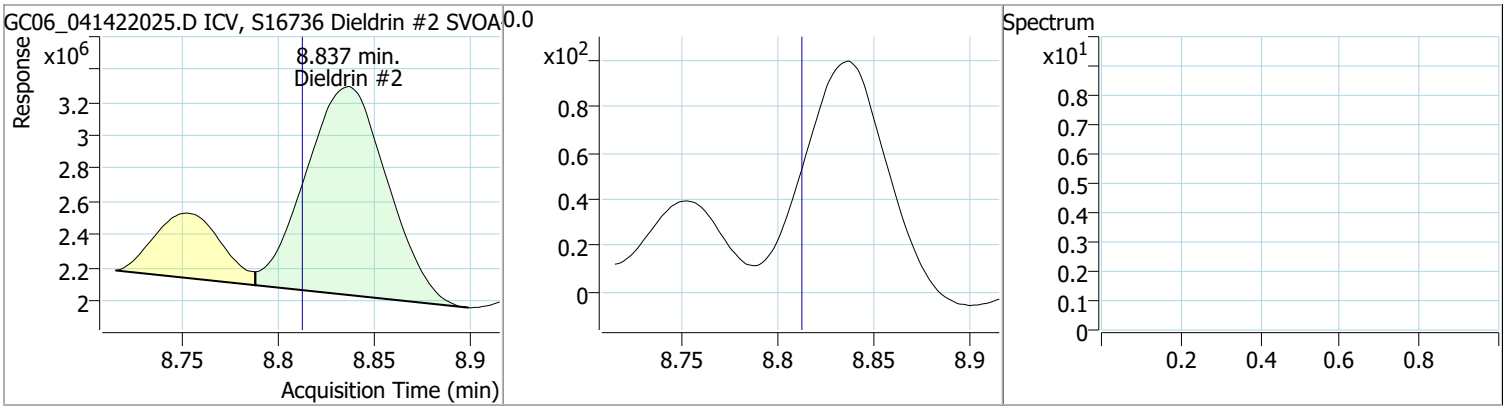
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	3.5139	8.50	0.05	572005		



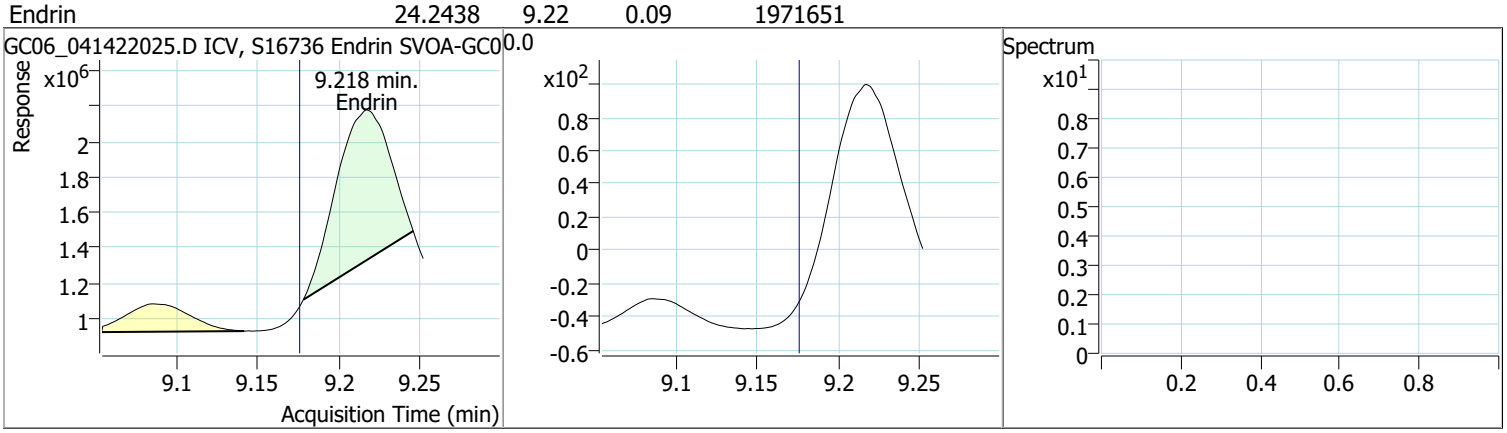
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Dieldrin	34.0733	8.62	-0.01	2545513		



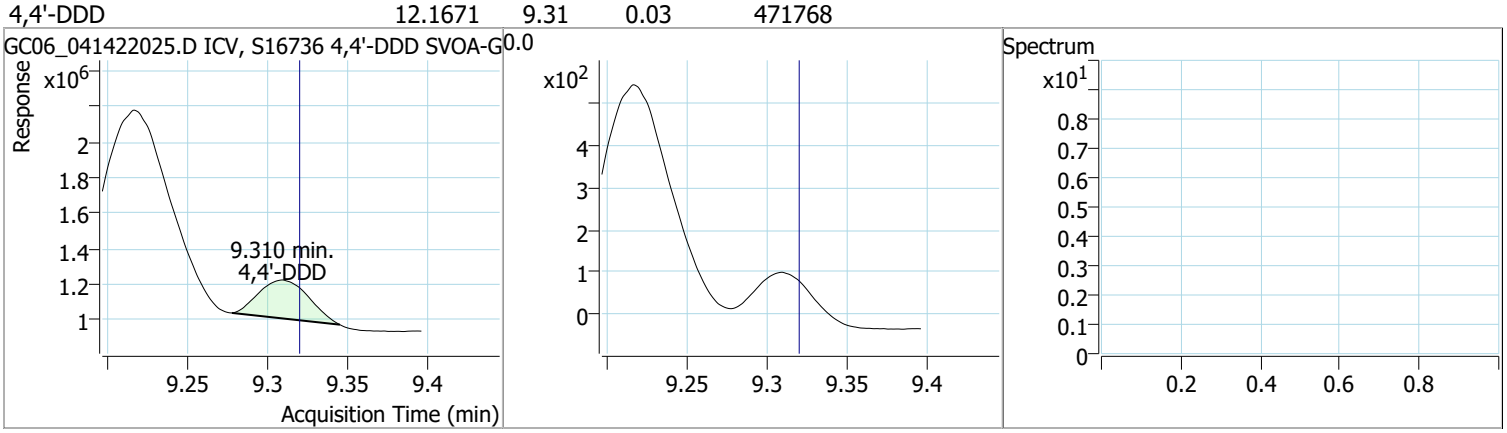
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	18.3757	8.84	0.02	3715515		



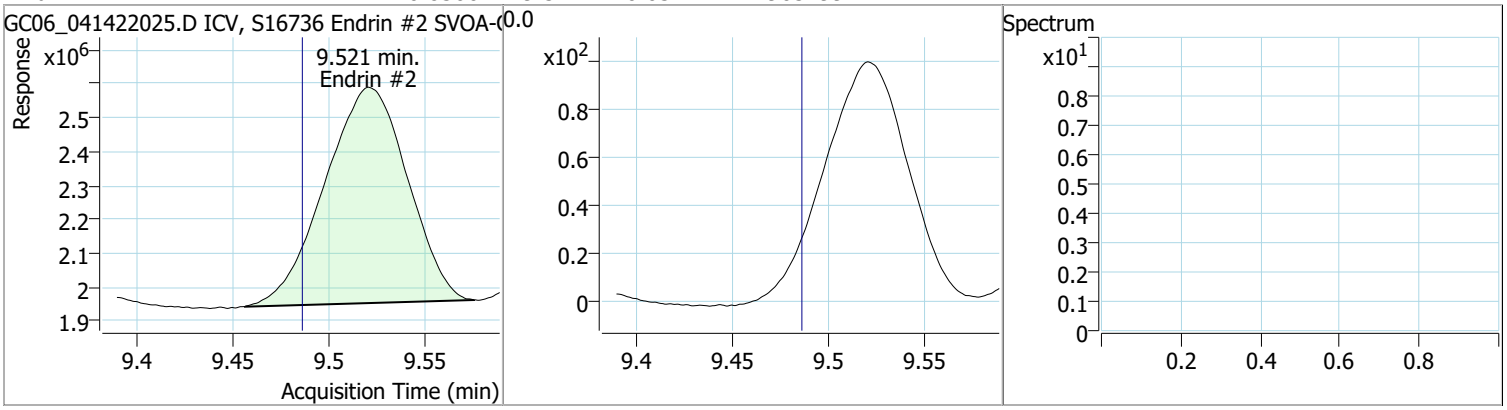
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endrin	24.2438	9.22	0.09	1971651		



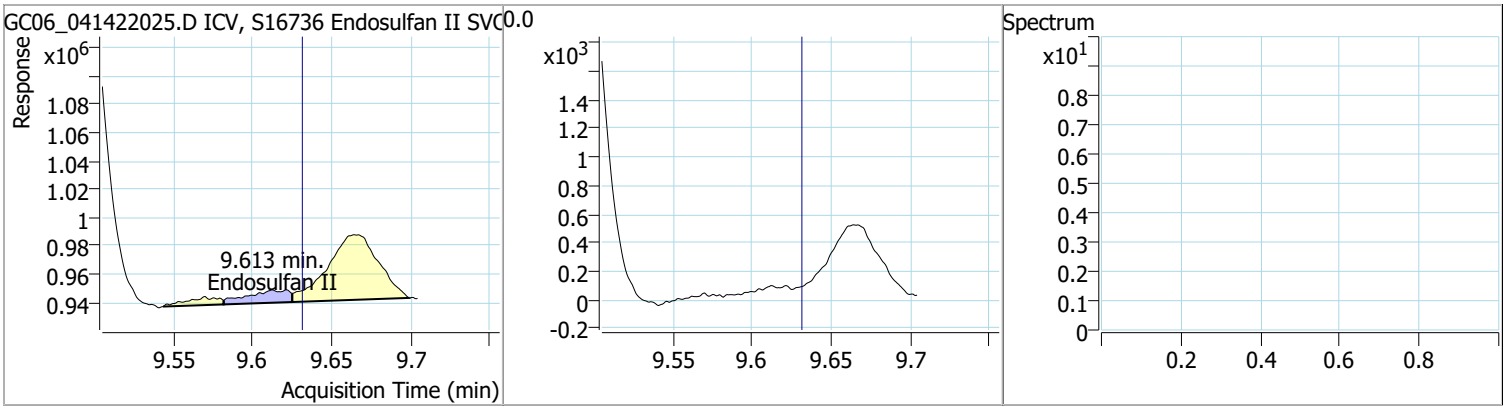
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	12.1671	9.31	0.03	471768		



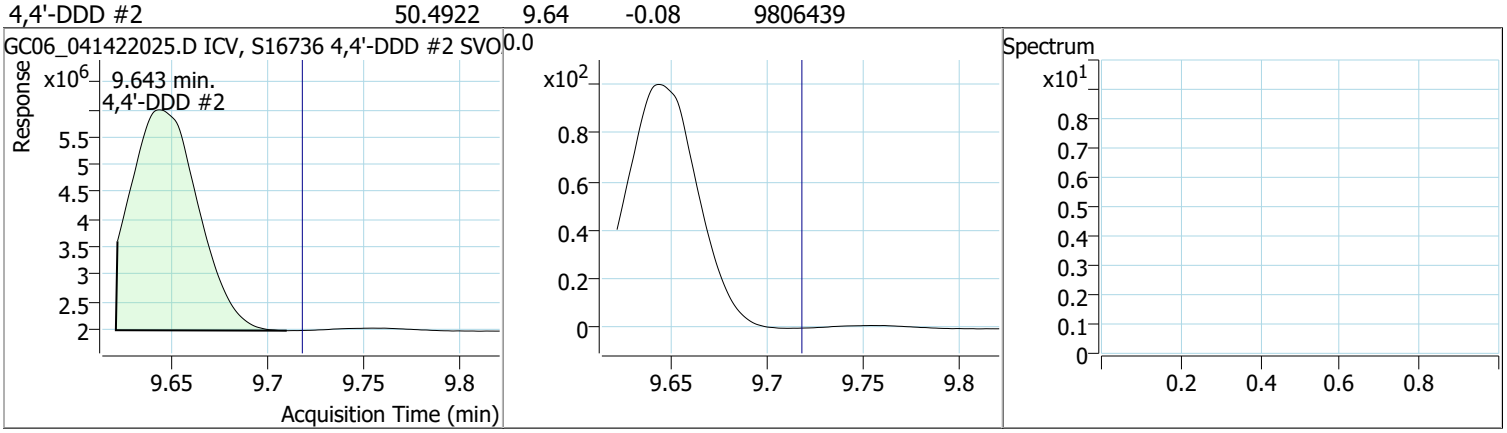
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	10.8300	9.52	0.03	1905799			



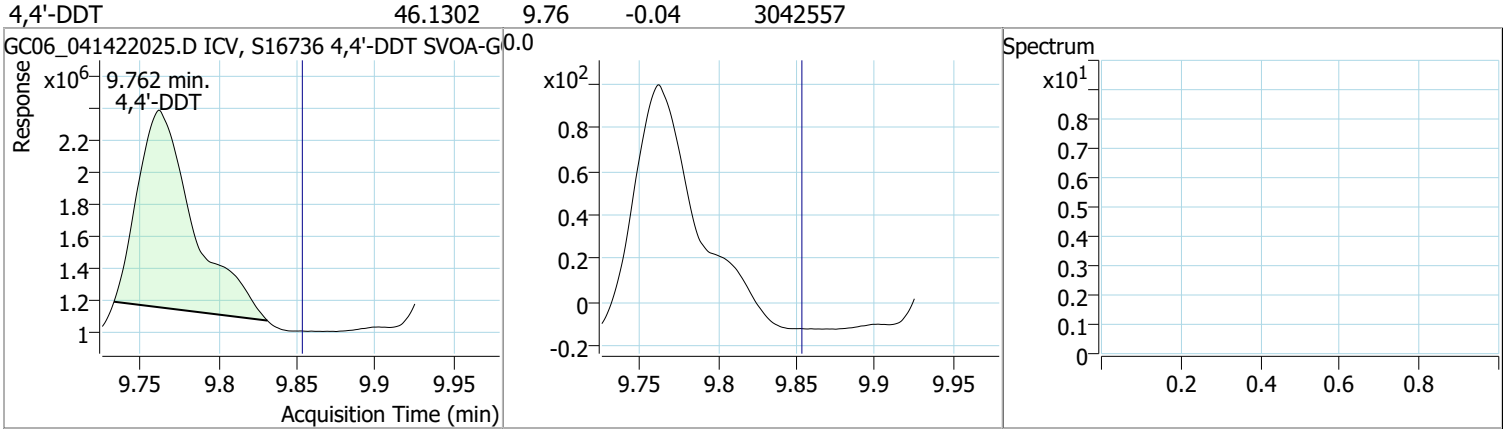
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	0.3425	9.61	0.03	16477			



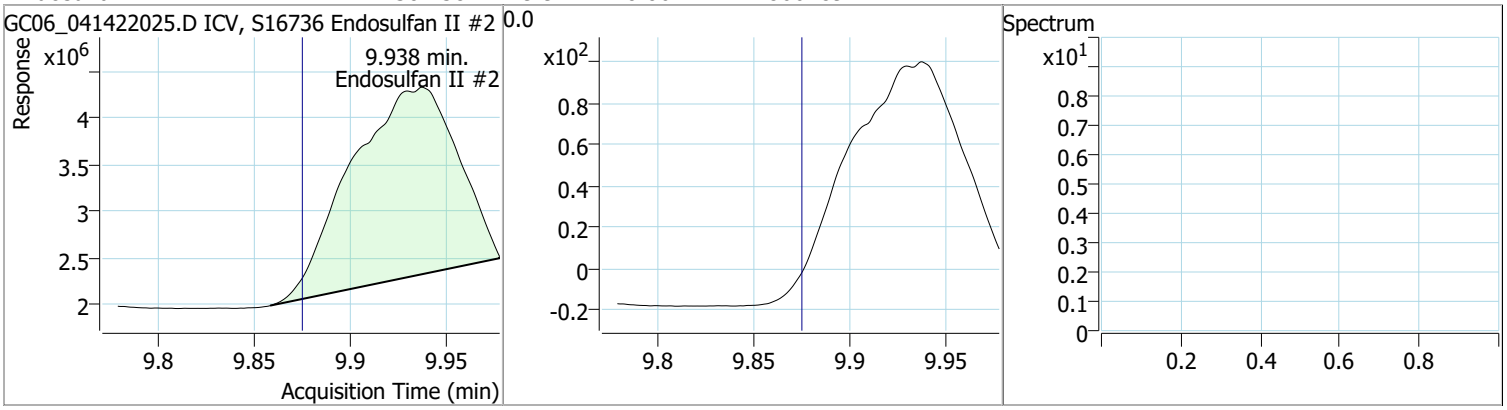
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	50.4922	9.64	-0.08	9806439			



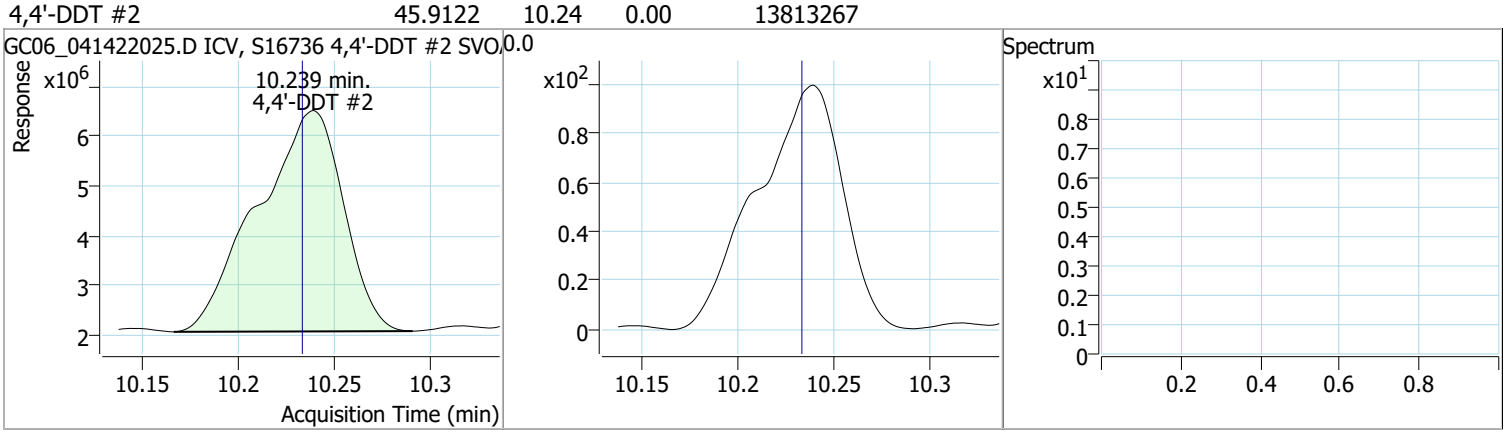
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	46.1302	9.76	-0.04	3042557			



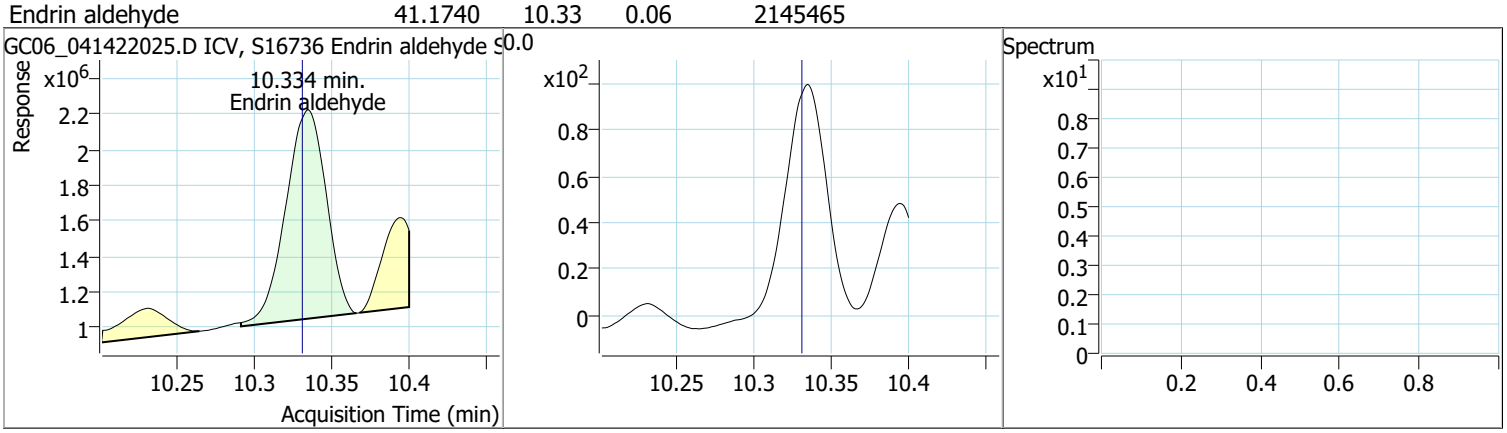
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	30.2587	9.94	0.06	7866789			



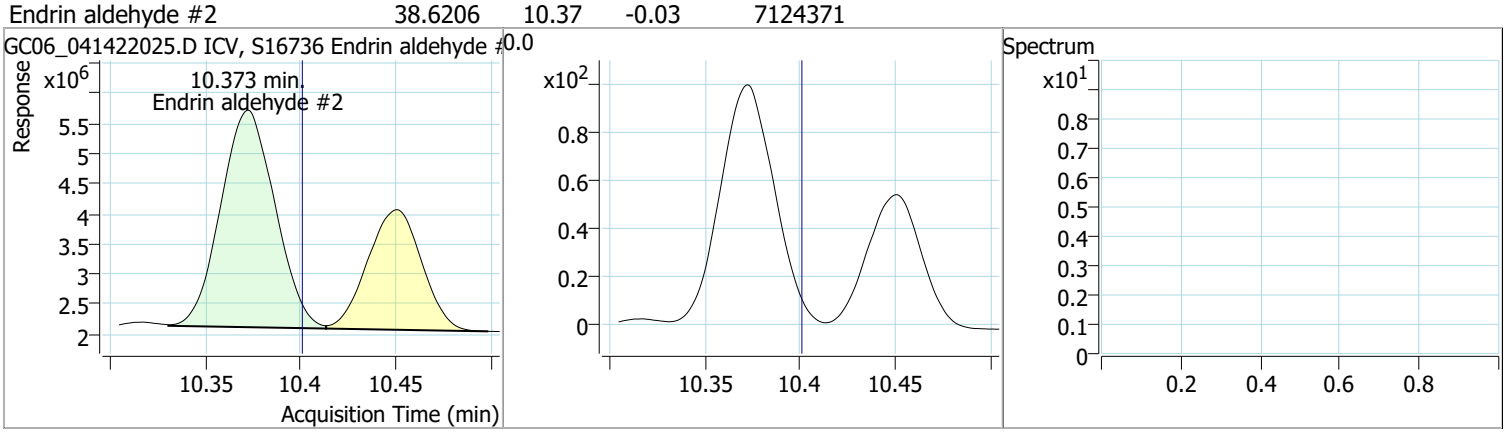
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	45.9122	10.24	0.00	13813267			



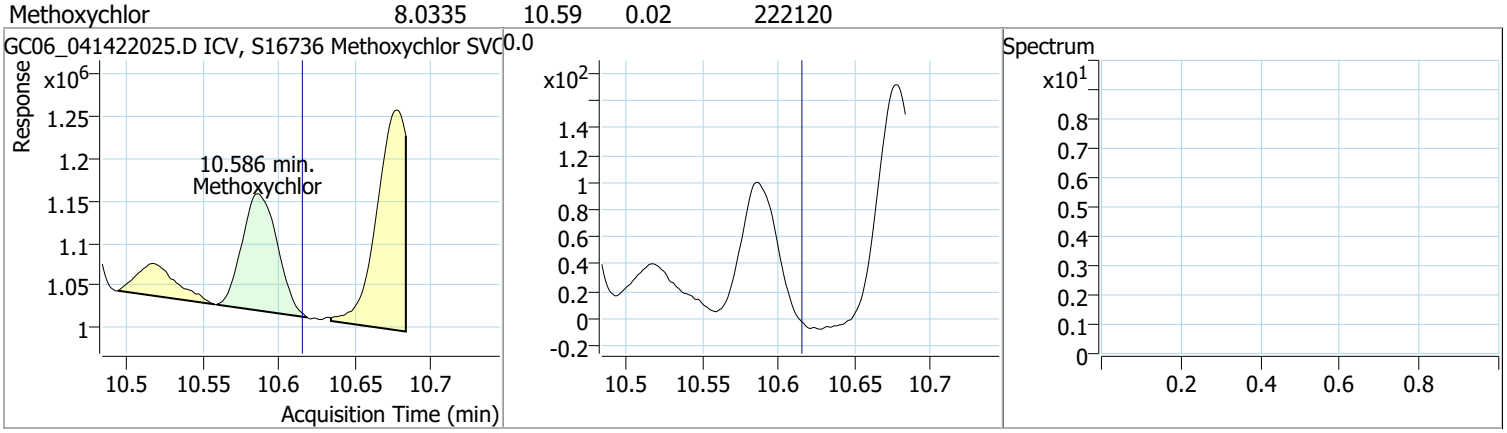
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	41.1740	10.33	0.06	2145465			



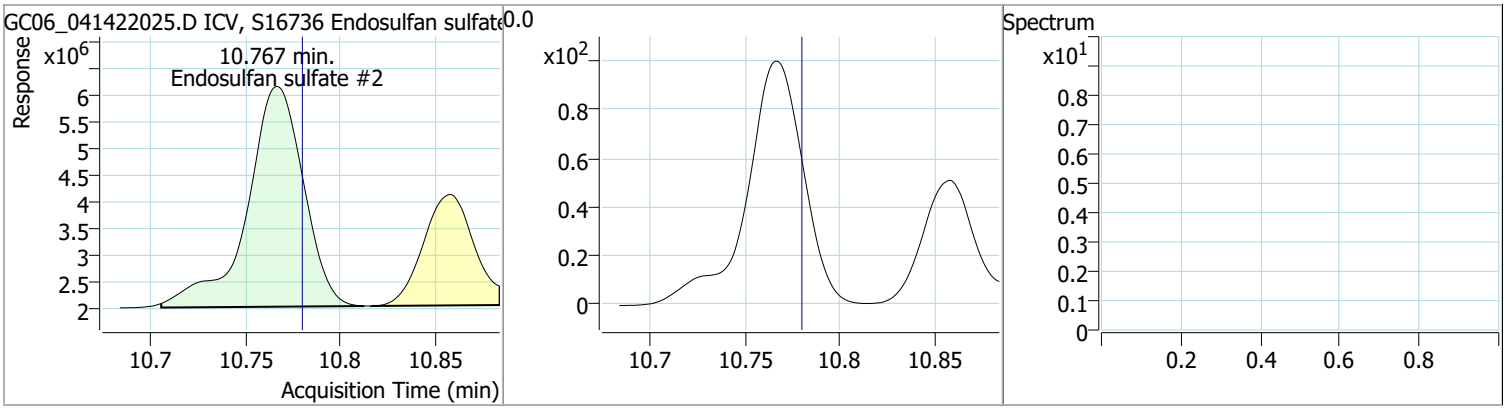
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	38.6206	10.37	-0.03	7124371			



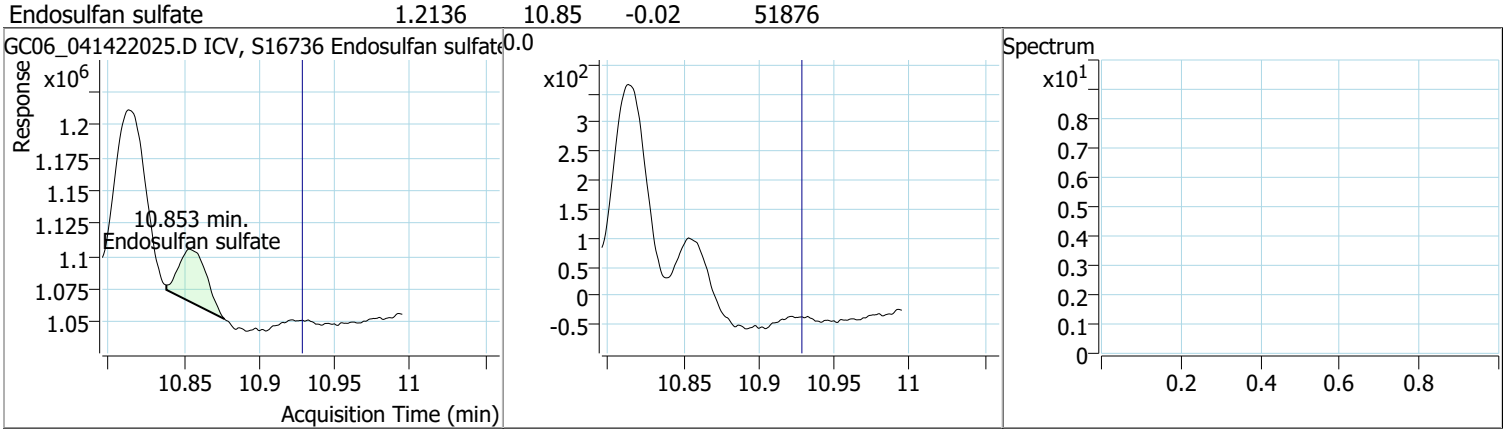
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	8.0335	10.59	0.02	222120			



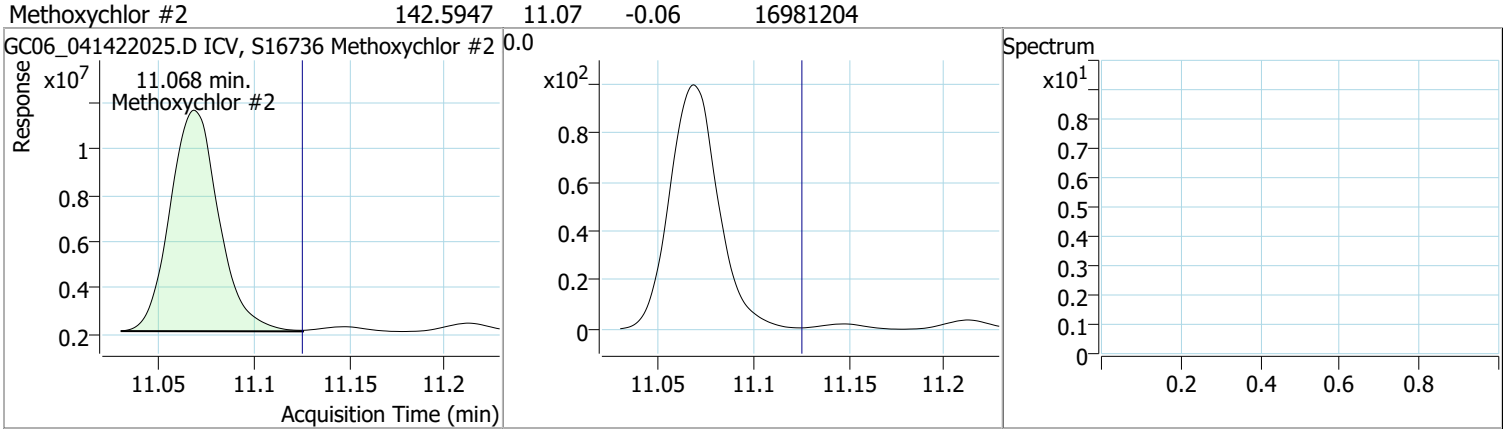
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	39.2094	10.77	-0.02	8477372			



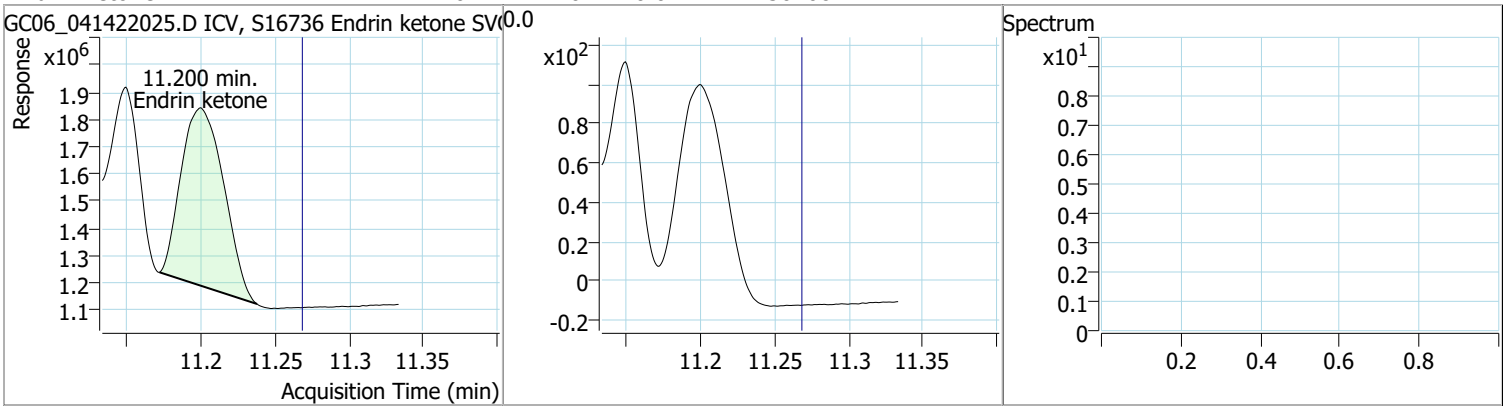
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	1.2136	10.85	-0.02	51876			



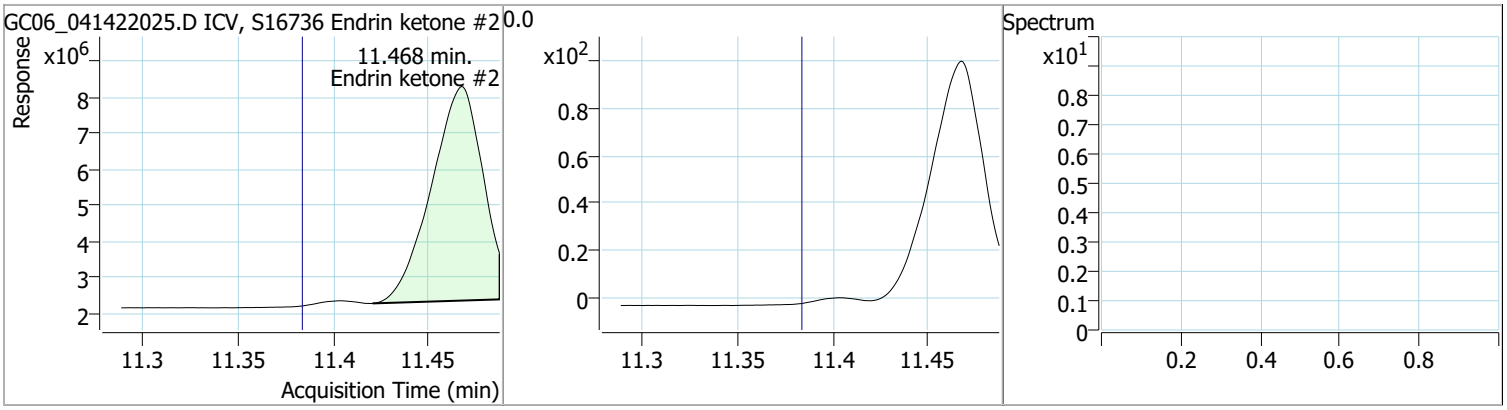
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	142.5947	11.07	-0.06	16981204			



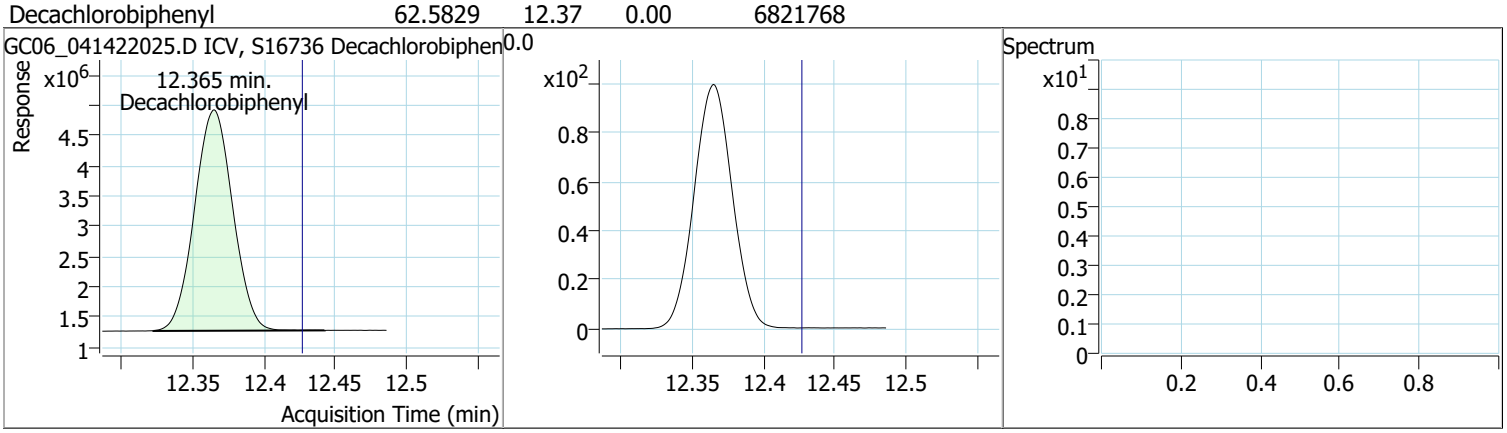
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	21.2201	11.20	-0.01	1304087		



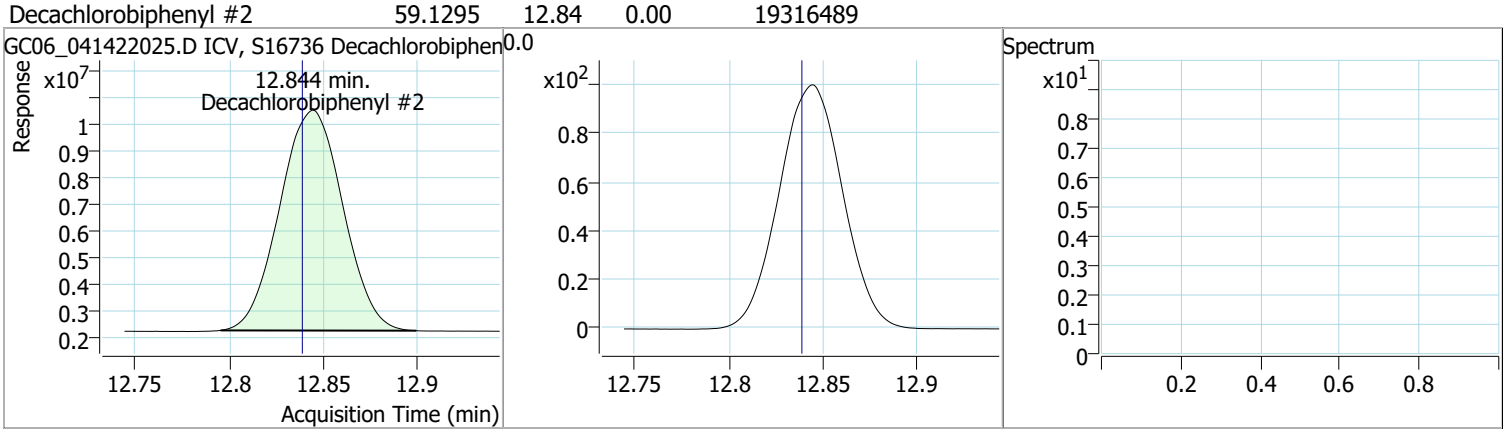
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	40.3514	11.47	0.08	11080565		



Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	62.5829	12.37	0.00	6821768		



Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	59.1295	12.84	0.00	19316489		



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 467872 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452343556002	File:	gc06_082622002	Time:	26-AUG-2022 13:56
Cal:	452150634002	Caldate:	14-APR-2022		

Standards: S17055

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	550.8	ug/L	10	15	0.0000	
Aroclor-1260	A			500.0	569.3	ug/L	14	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.5203	1.7501	20.00	23.02	ug/L	15	15	0.0000	
TCMX (PCB)	A	0.9618	1.9034	20.00	39.58	ug/L	**98**	15	0.0000	c+
Aroclor-1016	B			500.0	579.5	ug/L	**16**	15	0.0000	**c+** ***
Aroclor-1260	B			500.0	605.4	ug/L	**21**	15	0.0000	**c+** ***
Decachlorobiphenyl (PCB)	B	1.2065	1.6012	20.00	26.54	ug/L	**33**	15	0.0000	c+
TCMX (PCB)	B	0.9158	1.9823	20.00	43.29	ug/L	**116**	15	0.0000	c+

ISTD (ICAL gc06_041422016)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6493014	8218495	26.57
1-bromo-2-nitrobenzene (PCB)	A	1831488	1919479	4.80

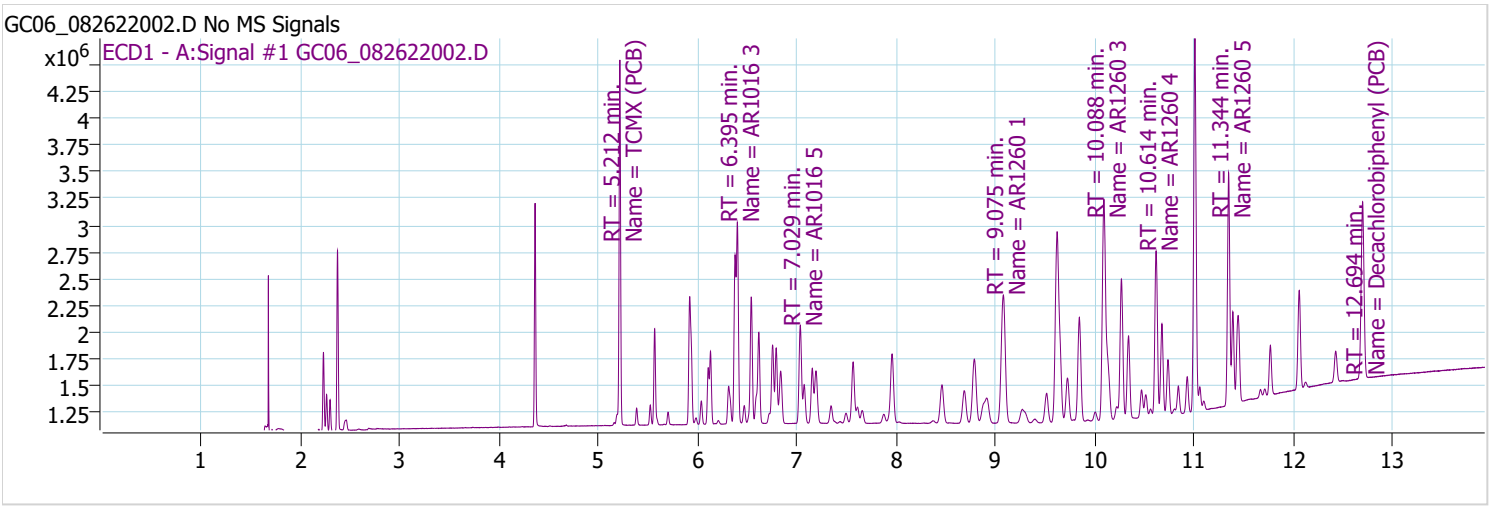
TRN 08/26/22 : Report from CH A

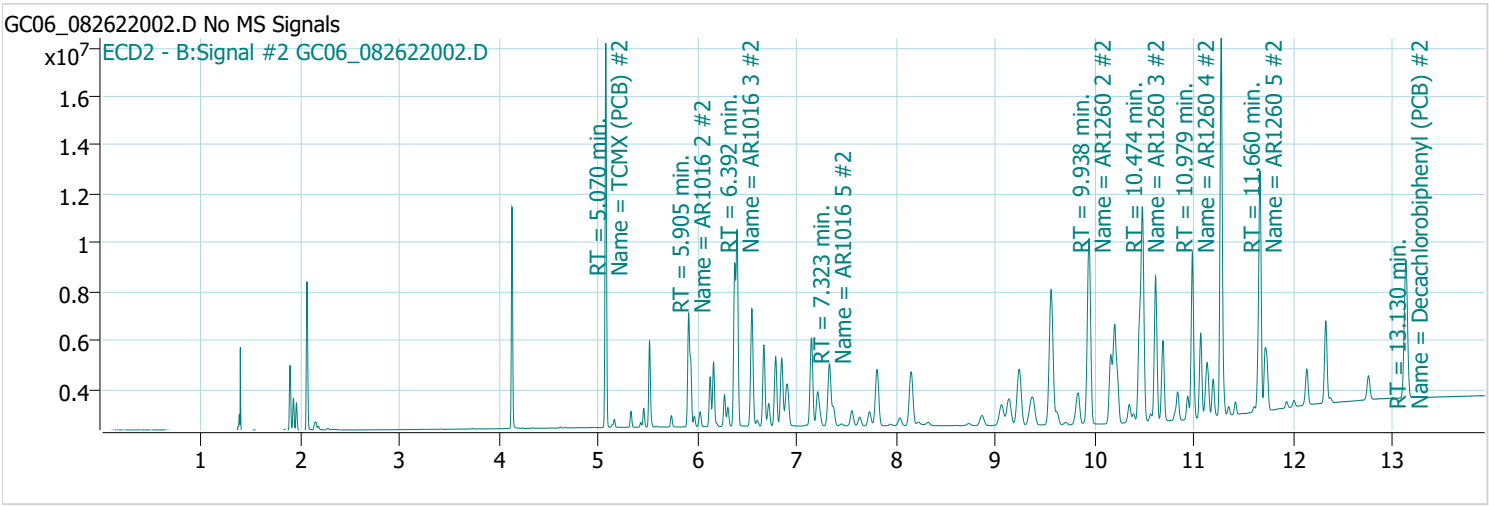
+=high bias c=CCV

Analyst: TRN 08/26/22 **Reviewer:** SLL 08/29/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622002.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 1:56:28 PM
Sample Name	CCV, S17055	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



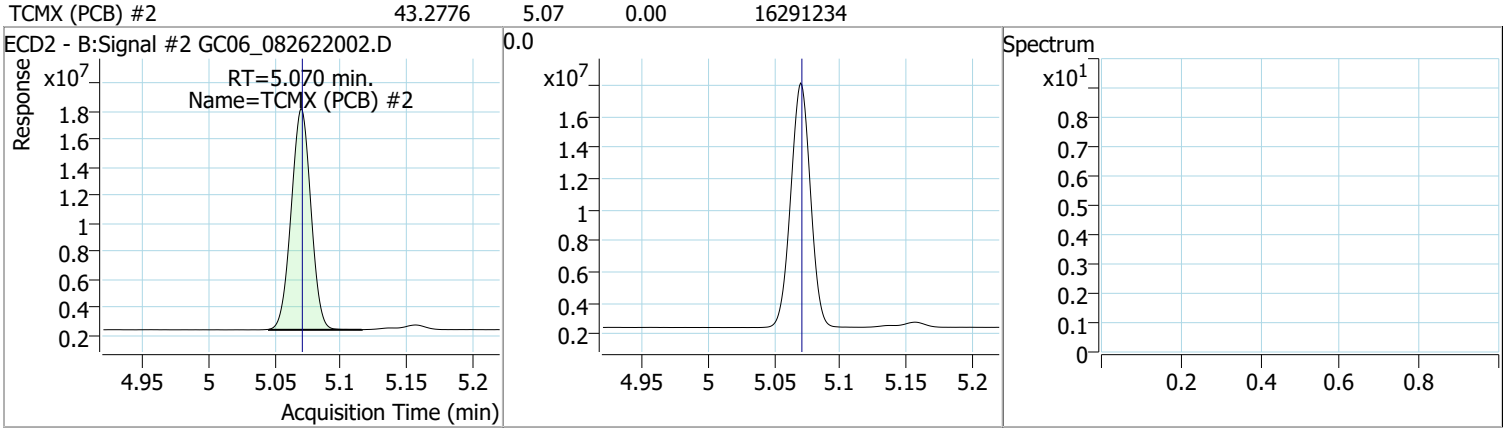


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	8218494.593	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.358	0.0	1919479.072	20.0000	ng/ml		0.002
System Monitoring Compounds							
S TCMX (PCB) #2	5.070	0.0	16291234.129	43.2776	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 216.39%		*	
S TCMX (PCB)	5.212	0.0	3653450.959	39.5705	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.85%		*	
S Decachlorobiphenyl (PCB)	12.694	0.0	3359239.629	23.0170	ng/ml		-0.012
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 115.08%			
S Decachlorobiphenyl (PCB) #2	13.130	0.0	13159529.169	26.5355	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 132.68%			
Target Compounds							QValue

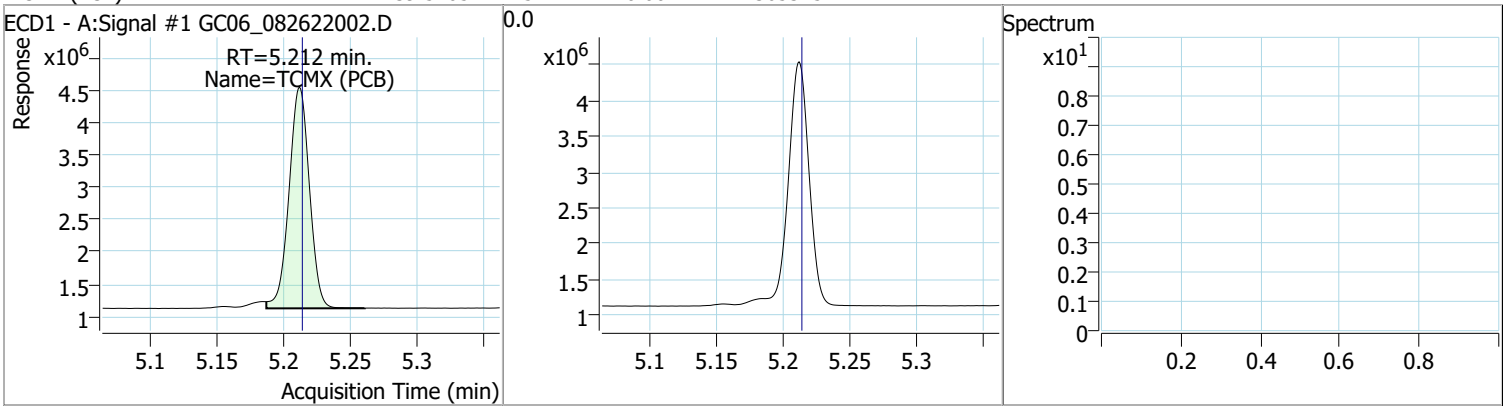
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.511	0.0	4274488.188	555.3903	ng/ml	100
T AR1016 1	5.563	0.0	1090360.480	580.7240	ng/ml	100
T AR1016 2 #2	5.905	0.0	9205725.527	576.3707	ng/ml	100
T AR1016 2	5.916	0.0	2203765.979	539.0542	ng/ml	100
T AR1016 3 #2	6.392	0.0	11832868.321	561.7652	ng/ml	100
T AR1016 3	6.395	0.0	2715067.310	564.2971	ng/ml	100
T AR1016 4	6.535	0.0	1800767.814	500.1343	ng/ml	100
T AR1016 4 #2	6.542	0.0	8308954.061	581.4380	ng/ml	100
T AR1016 5	7.029	0.0	1585119.746	569.1221	ng/ml	100
T AR1016 5 #2	7.323	0.0	6946876.523	621.7807	ng/ml	100
T AR1260 1	9.075	0.0	3437158.892	569.0029	ng/ml	100
T AR1260 1 #2	9.556	0.0	16016236.166	643.8940	ng/ml	100
T AR1260 2	9.617	0.0	5231800.841	562.3147	ng/ml	100
T AR1260 2 #2	9.938	0.0	17641523.891	613.8068	ng/ml	100
T AR1260 3	10.088	0.0	5750483.902	594.5388	ng/ml	100
T AR1260 3 #2	10.474	0.0	24308622.647	622.5284	ng/ml	100
T AR1260 4	10.614	0.0	2746637.464	570.9931	ng/ml	100
T AR1260 4 #2	10.979	0.0	11794601.506	558.2012	ng/ml	100
T AR1260 5	11.344	0.0	3493607.876	548.7437	ng/ml	100
T AR1260 5 #2	11.660	0.0	18309367.109	587.7400	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

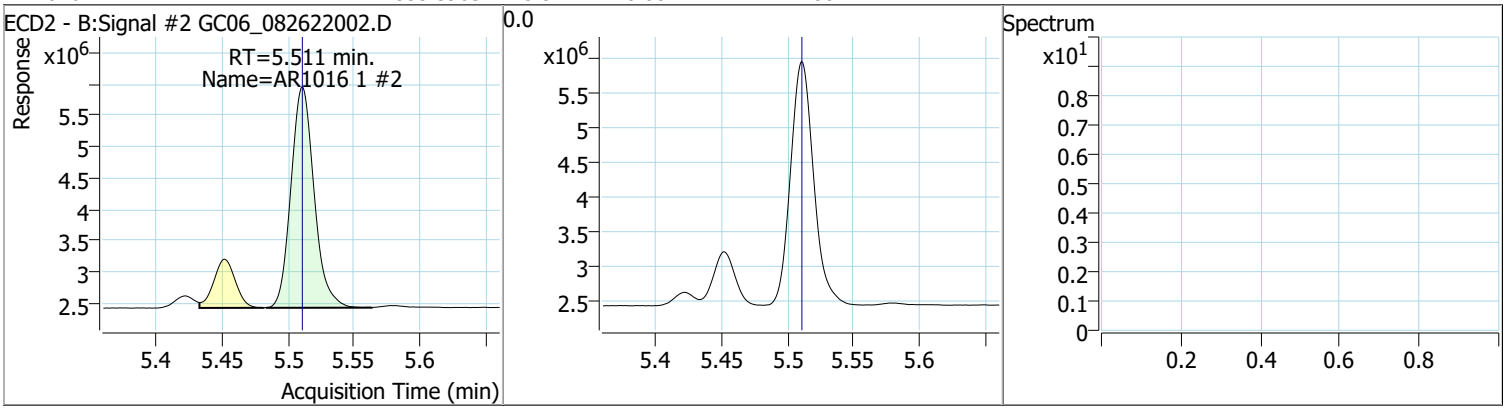
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	43.2776	5.07	0.00	16291234				



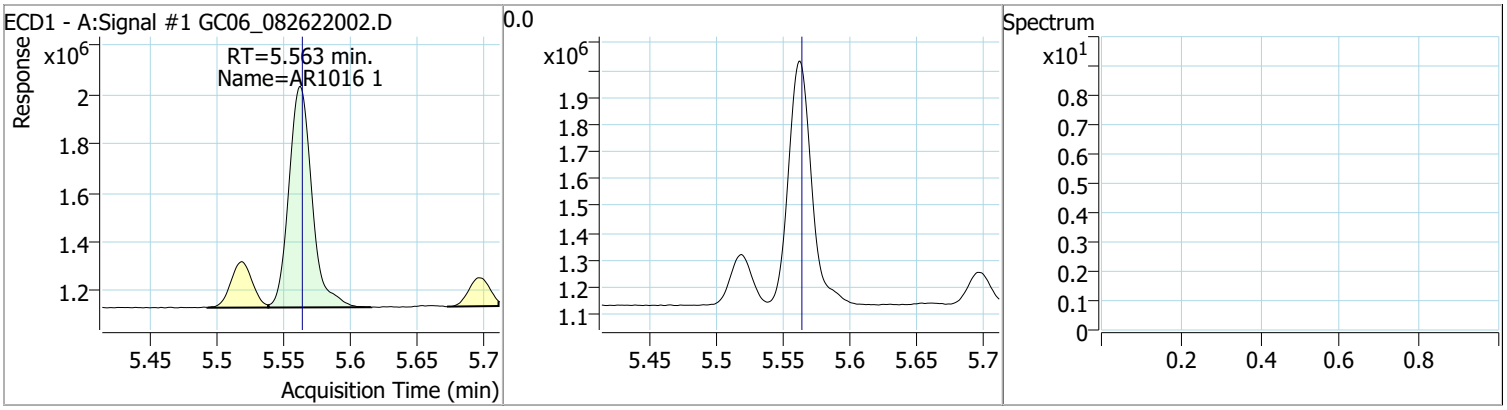
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.5705	5.21	0.00	3653451				



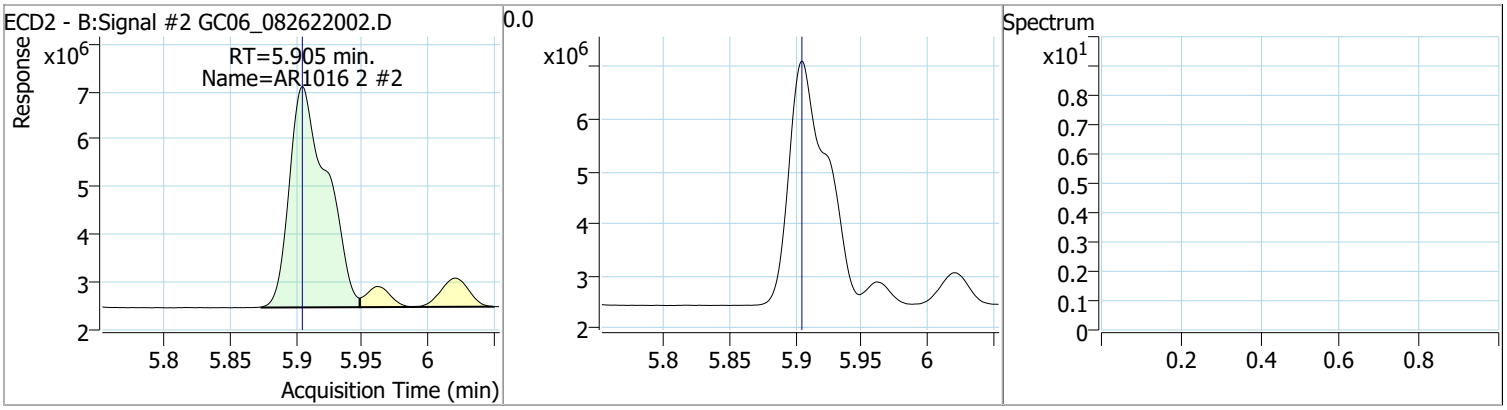
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	555.3903	5.51	0.00	4274488				



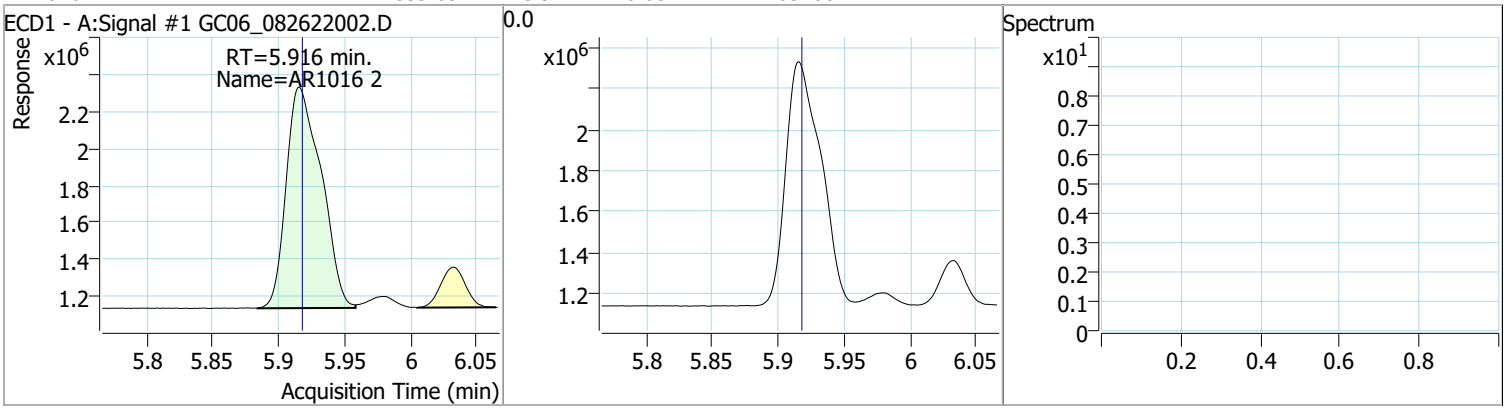
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	580.7240	5.56	0.00	1090360				



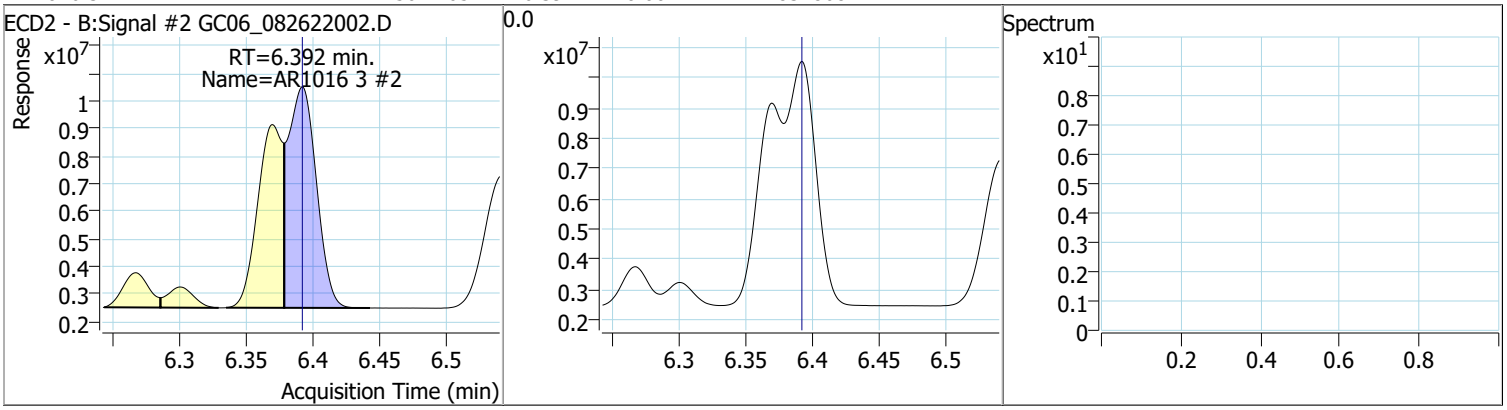
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	576.3707	5.91	0.00	9205726				



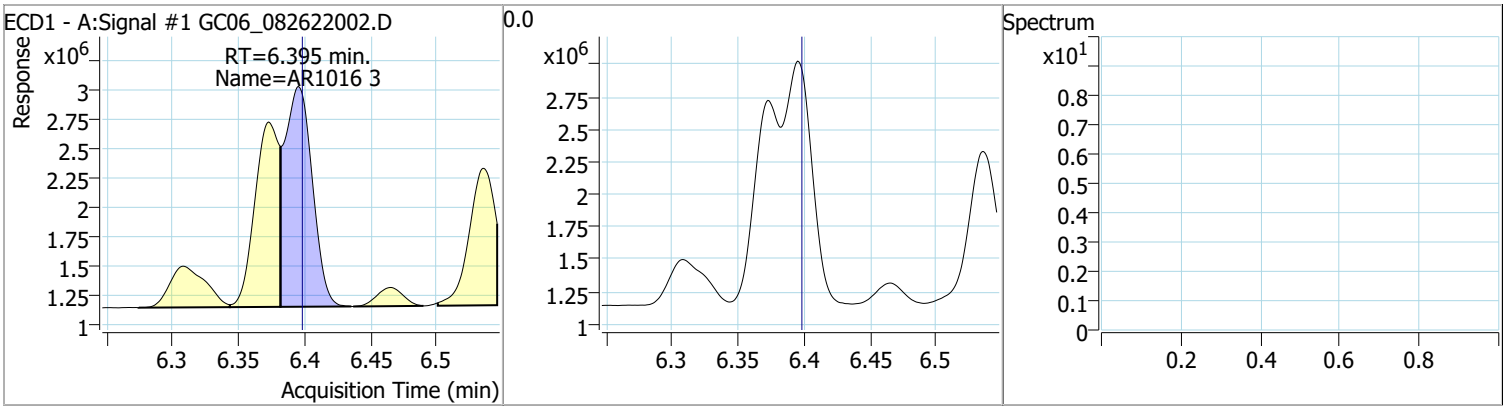
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	539.0542	5.92	0.00	2203766				



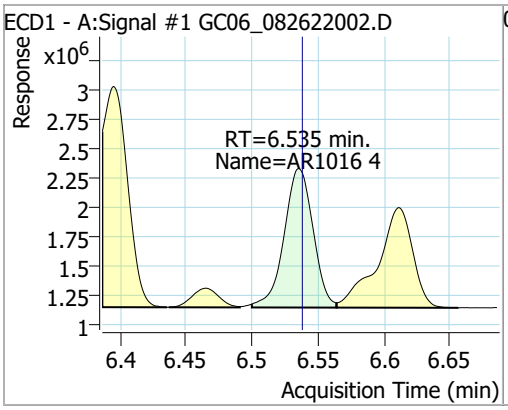
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	561.7652	6.39	0.00	11832868				

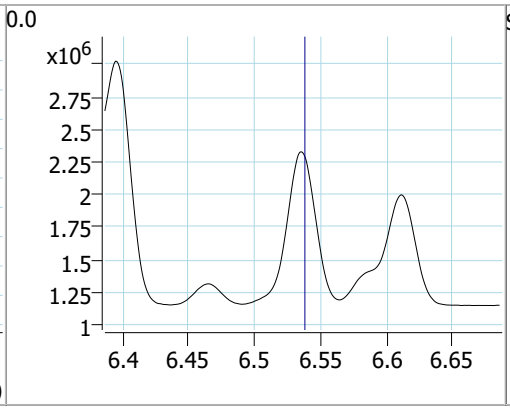


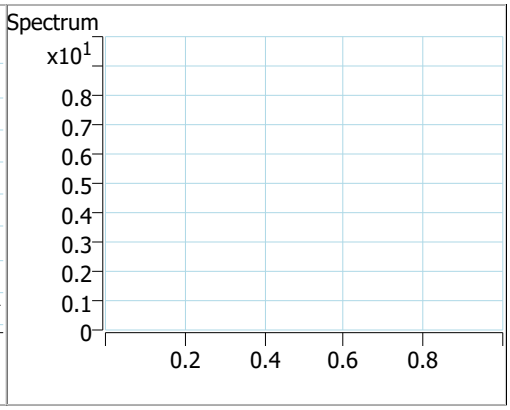
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	564.2971	6.40	0.00	2715067				



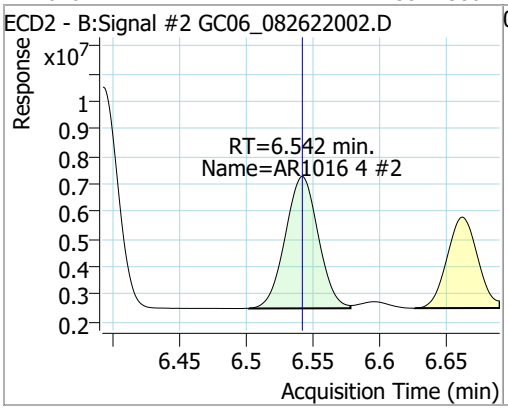
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	500.1343	6.54	0.00	1800768				

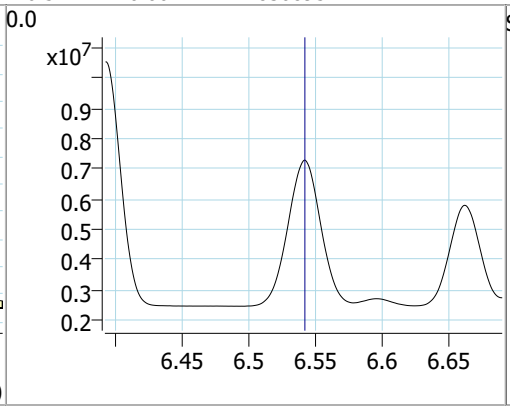


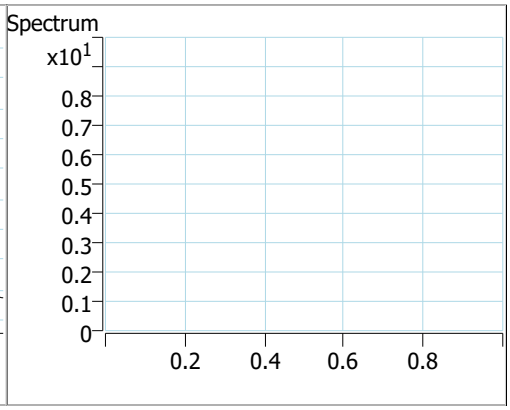




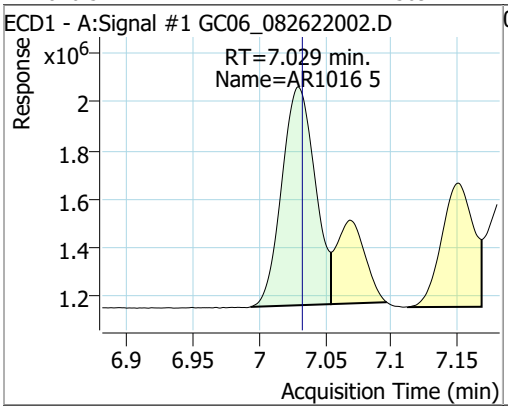
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	581.4380	6.54	0.00	8308954				

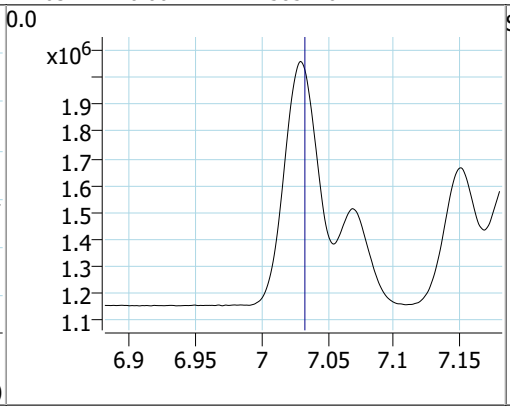


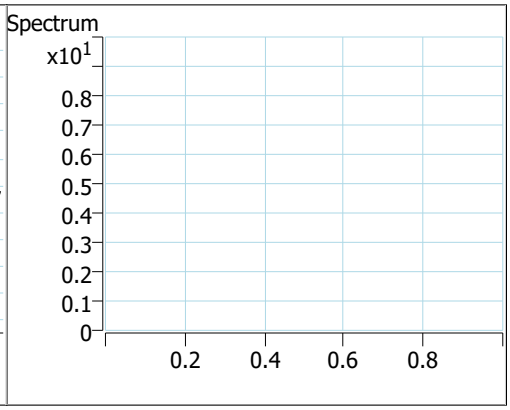




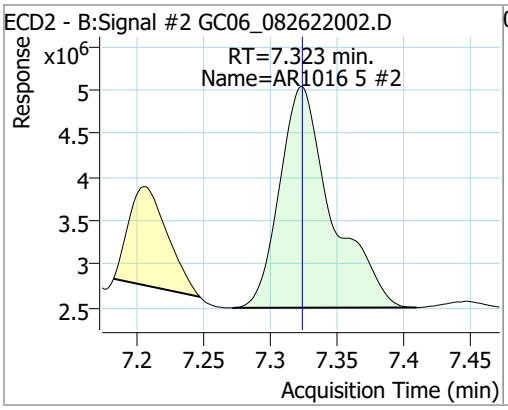
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	569.1221	7.03	0.00	1585120				

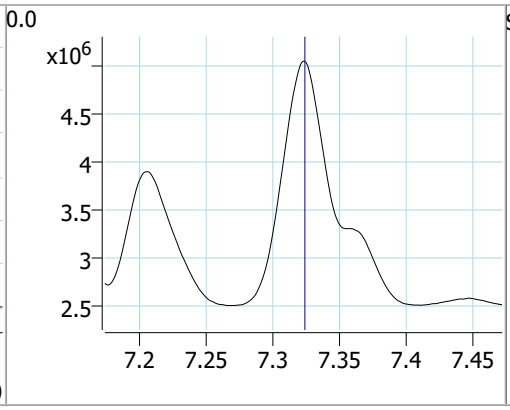


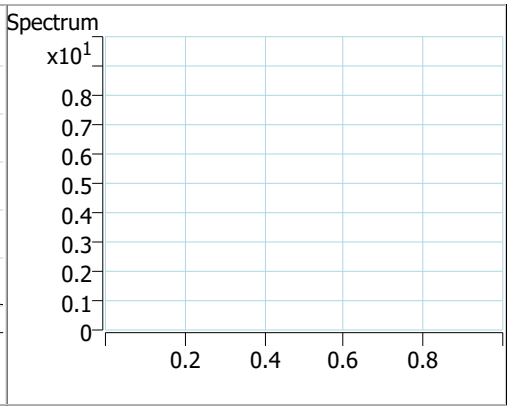




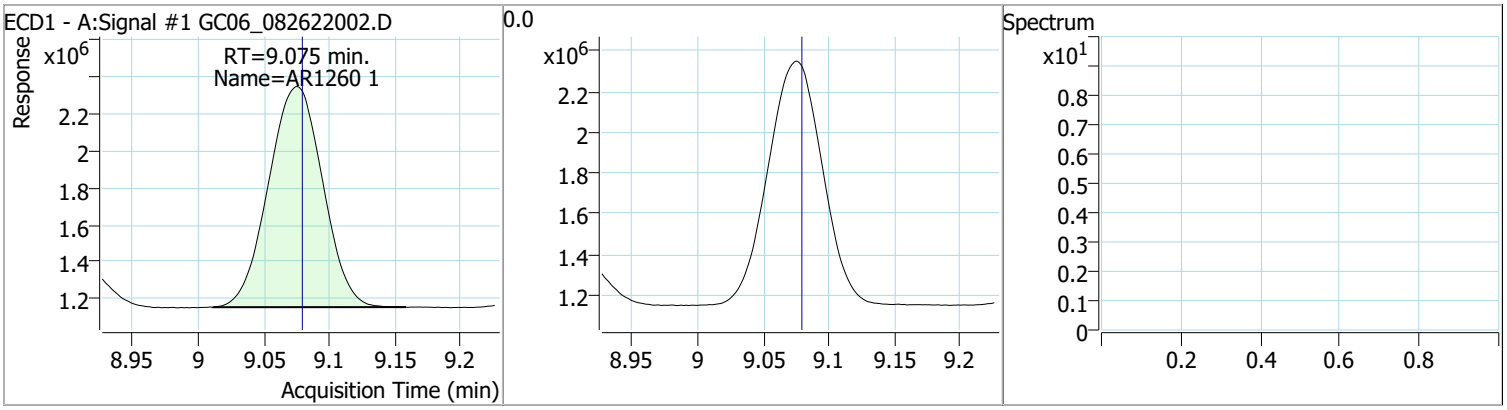
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	621.7807	7.32	0.00	6946877				



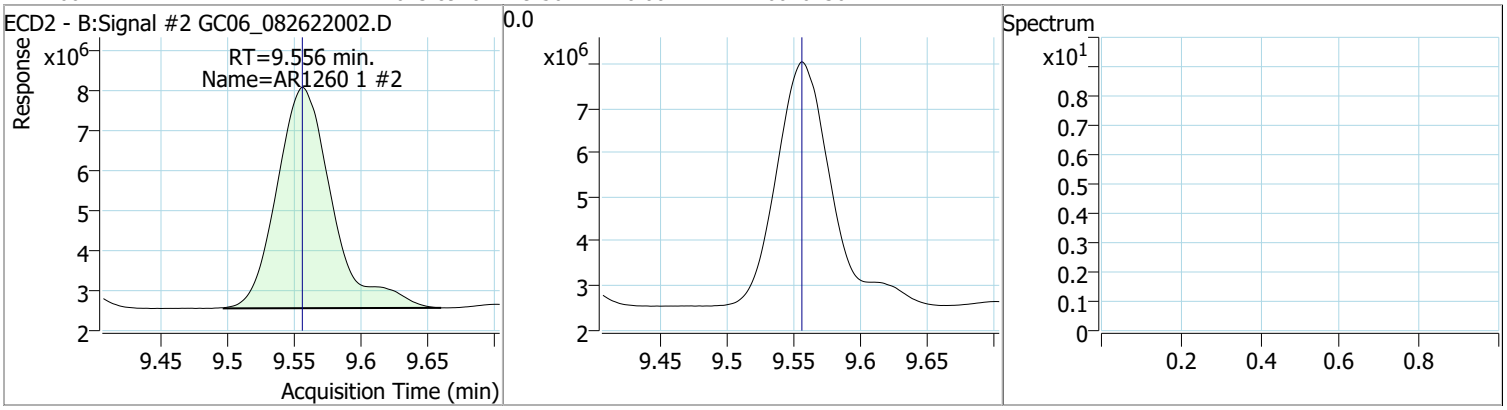




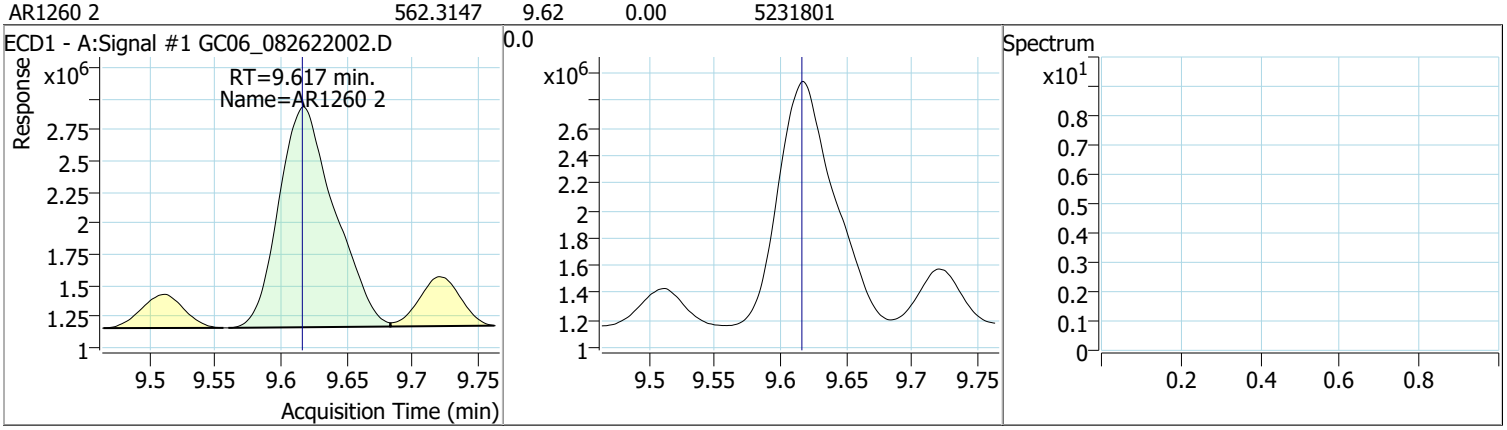
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	569.0029	9.08	0.00	3437159				



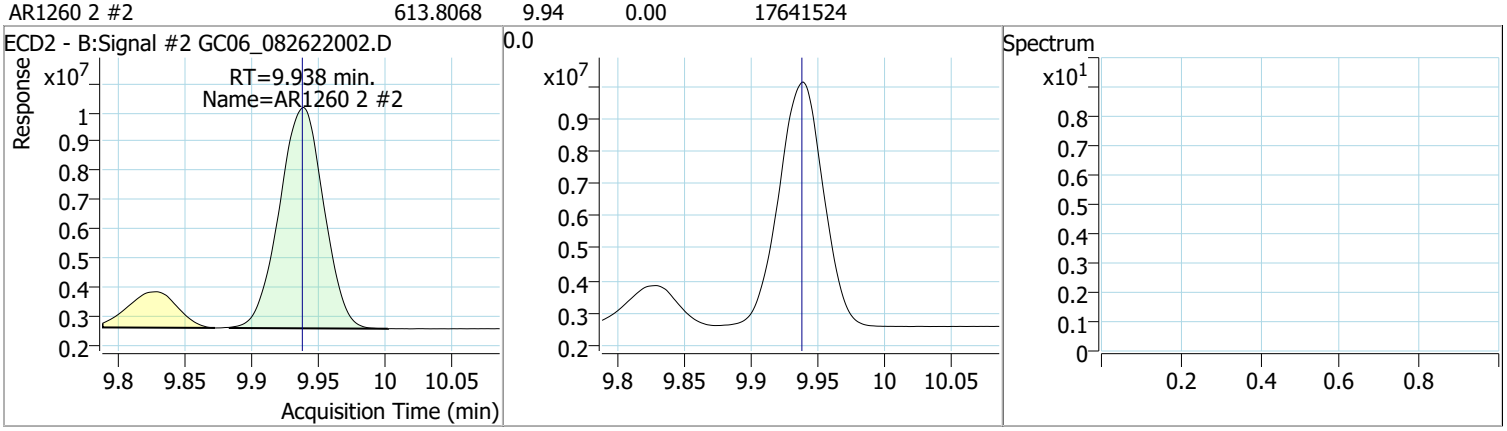
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	643.8940	9.56	0.00	16016236				



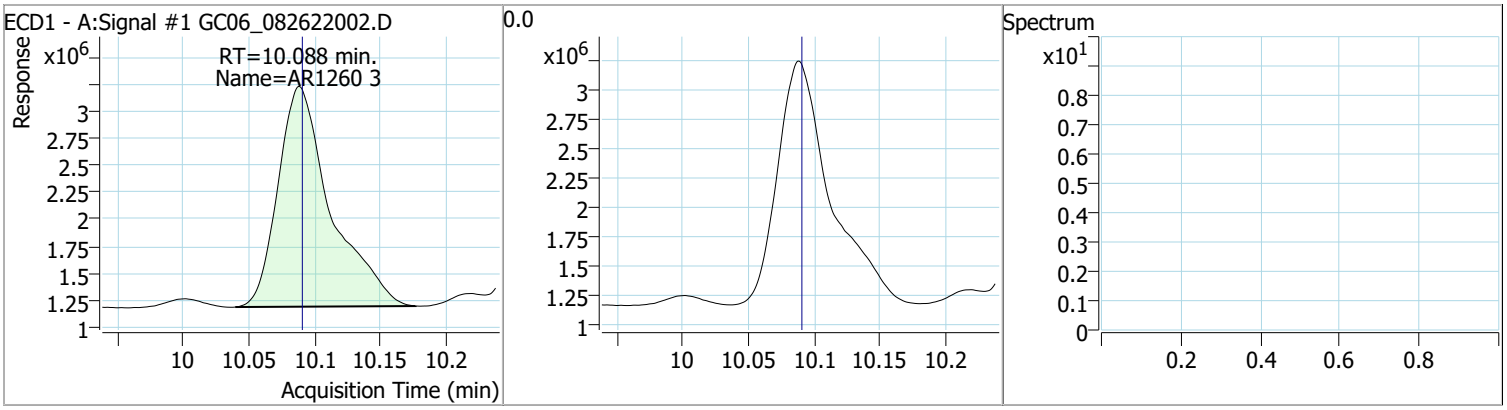
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	562.3147	9.62	0.00	5231801				



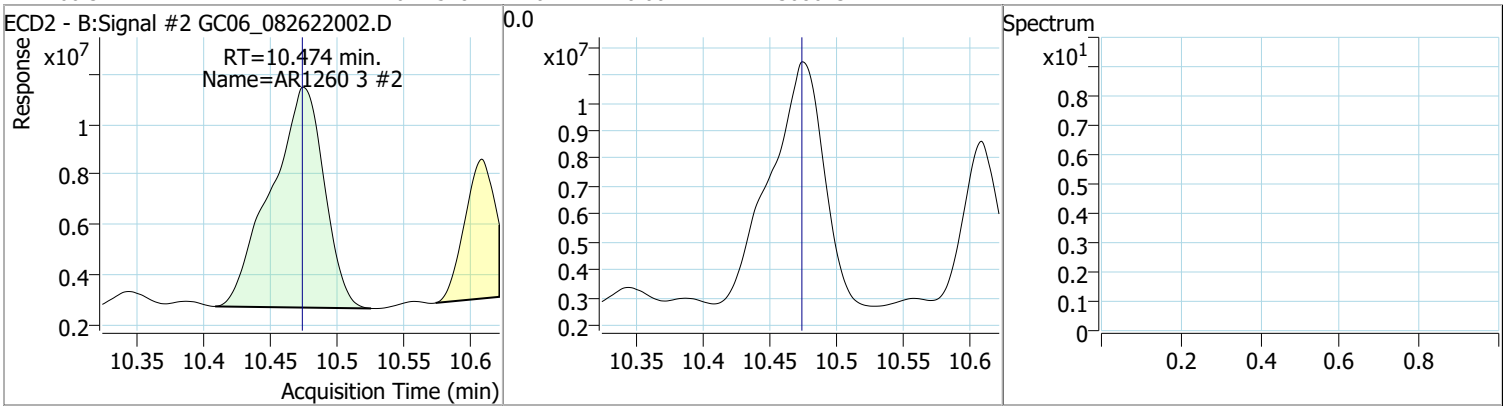
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	613.8068	9.94	0.00	17641524				



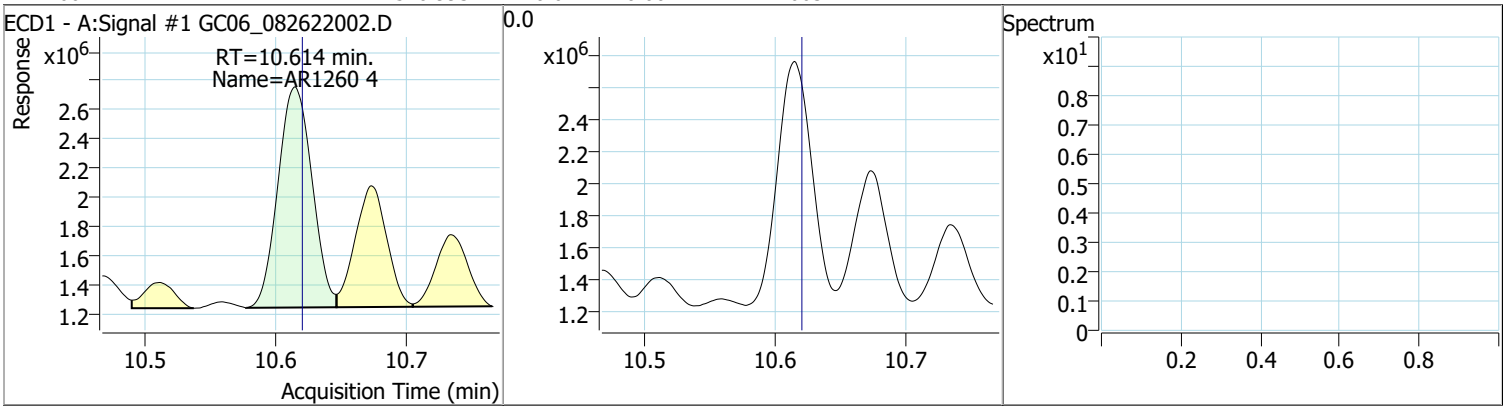
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	594.5388	10.09	0.00	5750484				



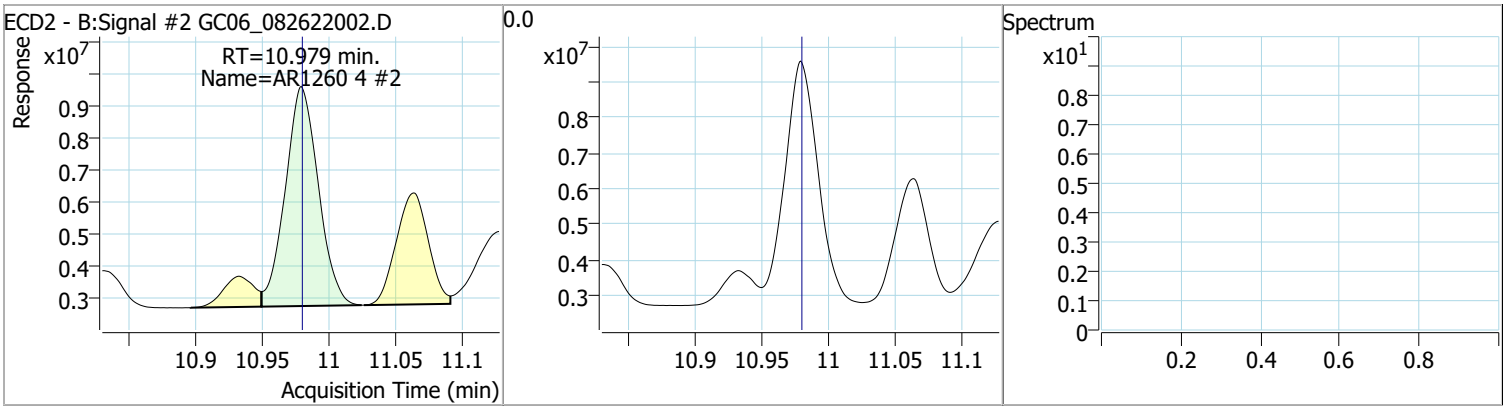
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	622.5284	10.47	0.00	24308623				



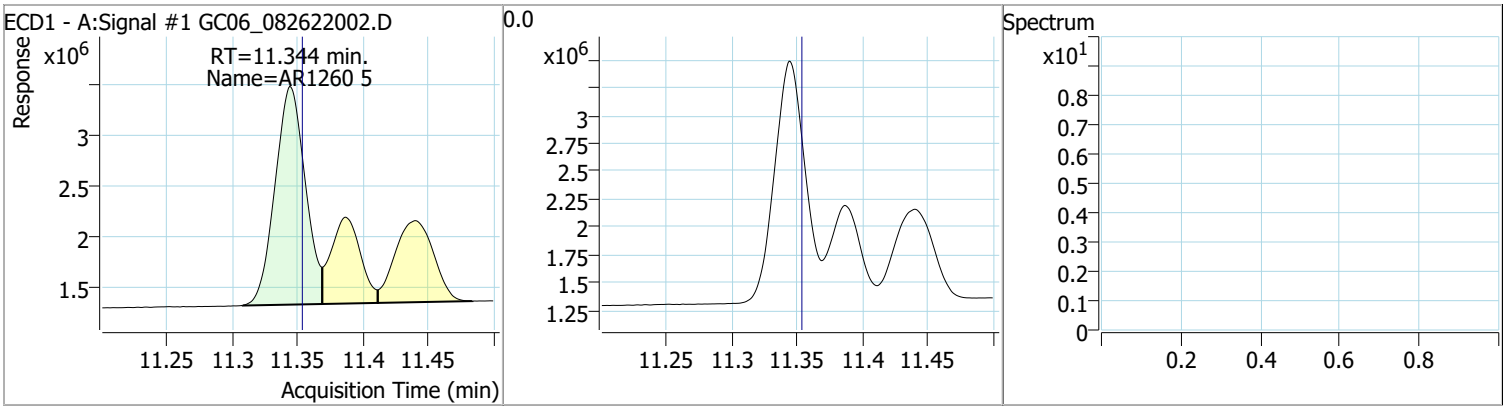
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	570.9931	10.61	0.00	2746637				



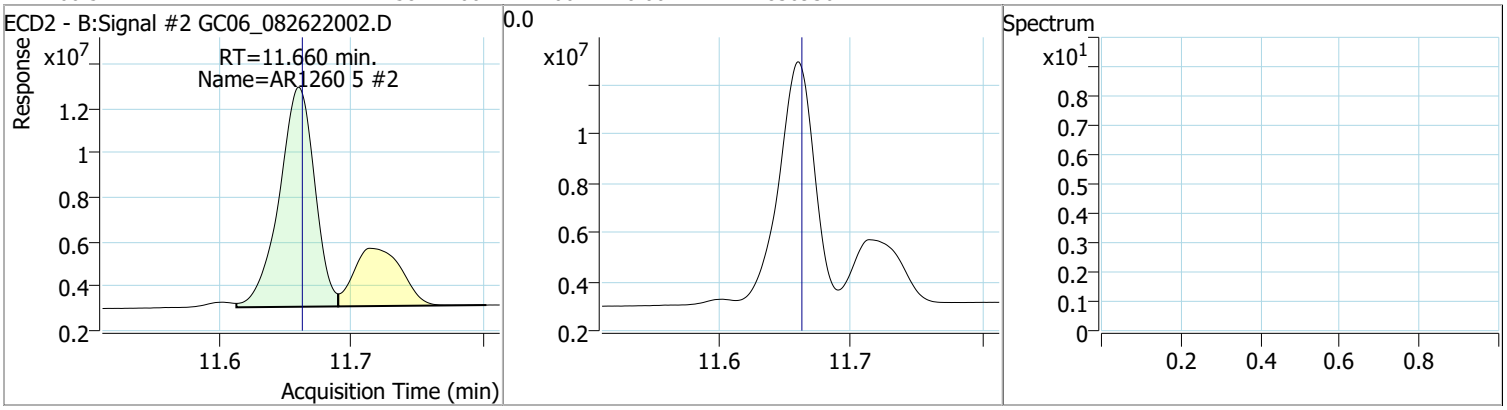
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	558.2012	10.98	0.00	11794602				



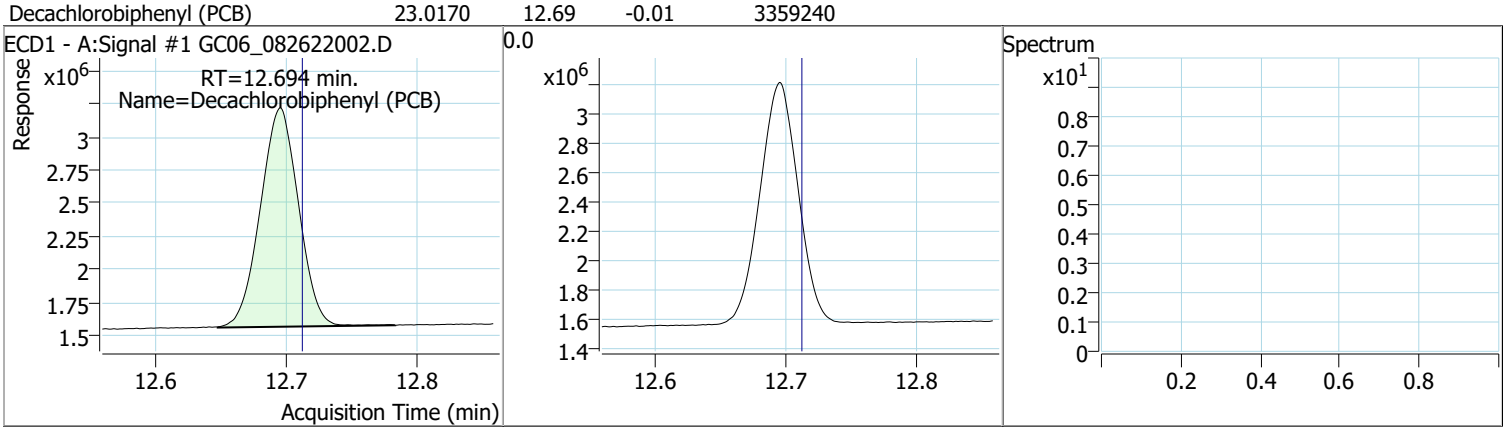
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	548.7437	11.34	0.00	3493608				



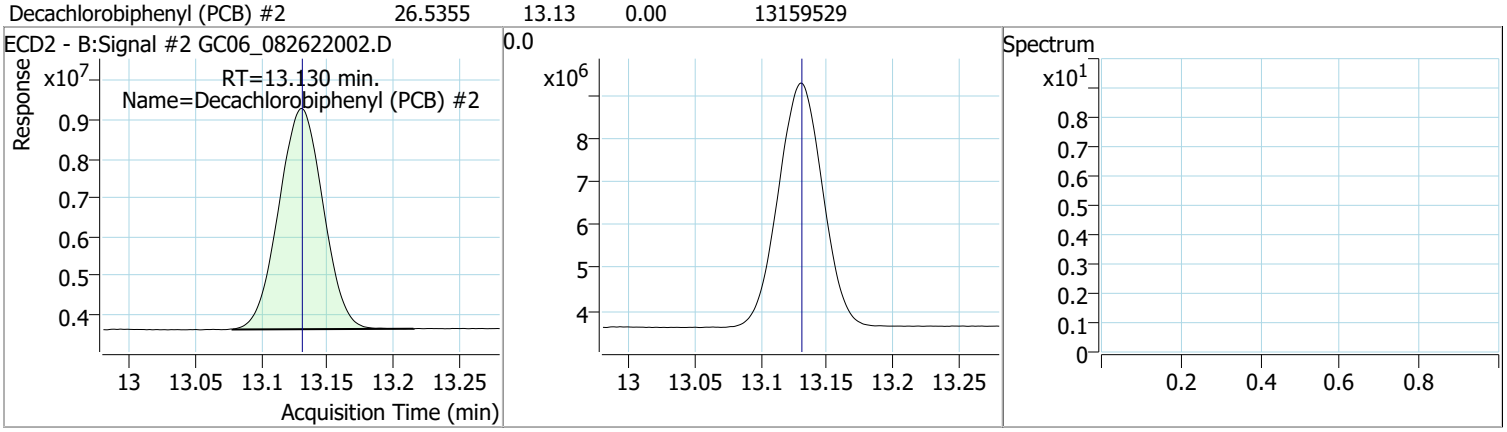
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	587.7400	11.66	0.00	18309367				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	23.0170	12.69	-0.01	3359240				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	26.5355	13.13	0.00	13159529				



ENTHALPY CONTINUING CALIBRATION FOR 467872 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452343556054	File:	gc06_082622054	Time:	27-AUG-2022 05:11
Cal:	452150634002	Caldate:	14-APR-2022		

Standards: S17055

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	577.5	ug/L	15	15	0.0000	
Aroclor-1260	A			500.0	592.6	ug/L	**19**	15	0.0000	**c+** ***
Decachlorobiphenyl (PCB)	A	1.5203	1.7405	20.00	22.90	ug/L	14	15	0.0000	
TCMX (PCB)	A	0.9618	1.9480	20.00	40.51	ug/L	**103**	15	0.0000	c+
Aroclor-1016	B			500.0	608.6	ug/L	**22**	15	0.0000	**c+** ***
Aroclor-1260	B			500.0	646.6	ug/L	**29**	15	0.0000	**c+** ***
Decachlorobiphenyl (PCB)	B	1.2065	1.6810	20.00	27.86	ug/L	**39**	15	0.0000	c+
TCMX (PCB)	B	0.9158	2.0322	20.00	44.38	ug/L	**122**	15	0.0000	c+

ISTD (ICAL gc06_041422016)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6493014	9640442	48.47
1-bromo-2-nitrobenzene (PCB)	A	1831488	1993573	8.85

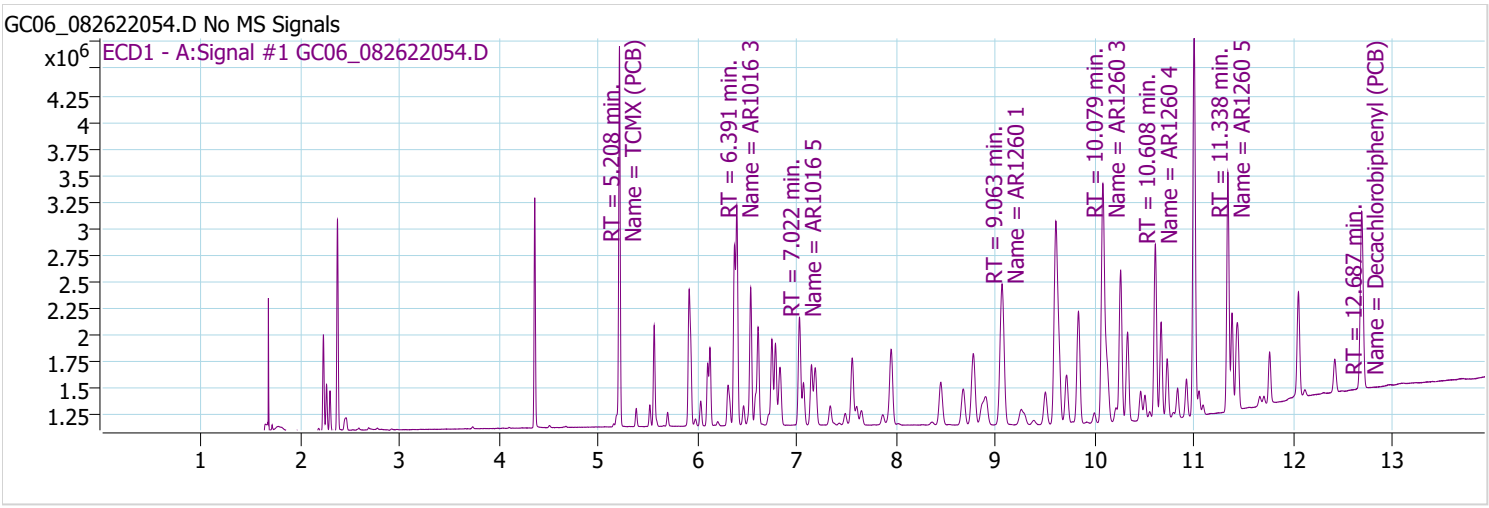
TRN 08/29/22 : Report sample ND CH A

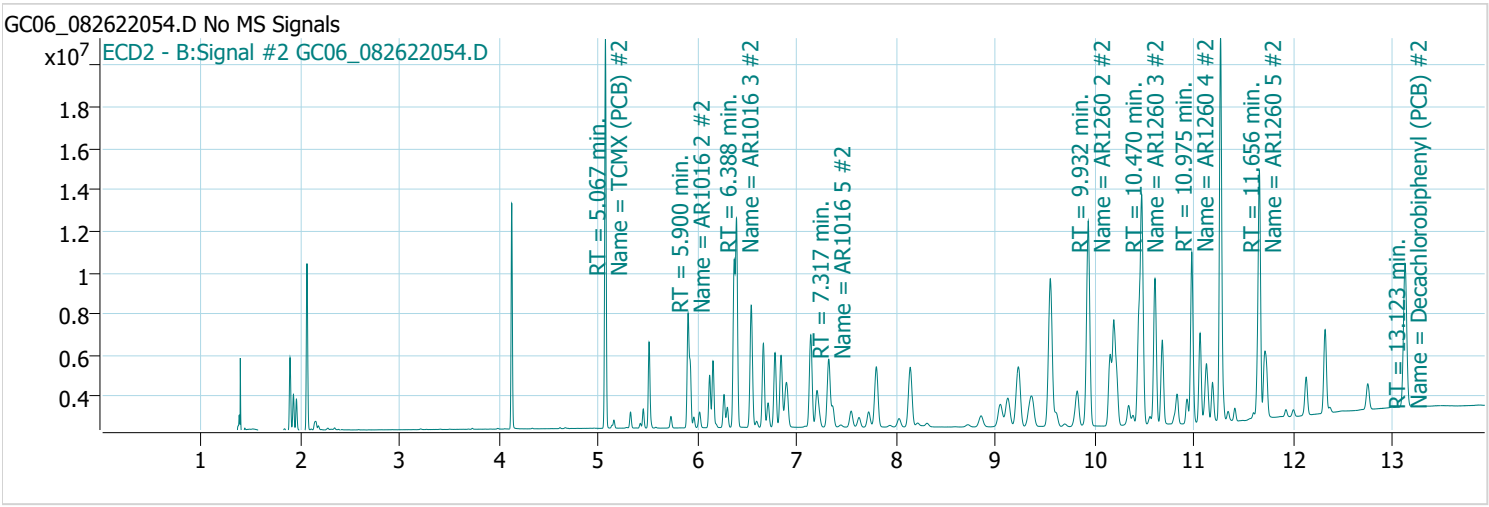
+=high bias c=CCV

Analyst: TRN 08/29/22 **Reviewer:** SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622054.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/27/2022 5:11:53 AM
Sample Name	CCV, S17055	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



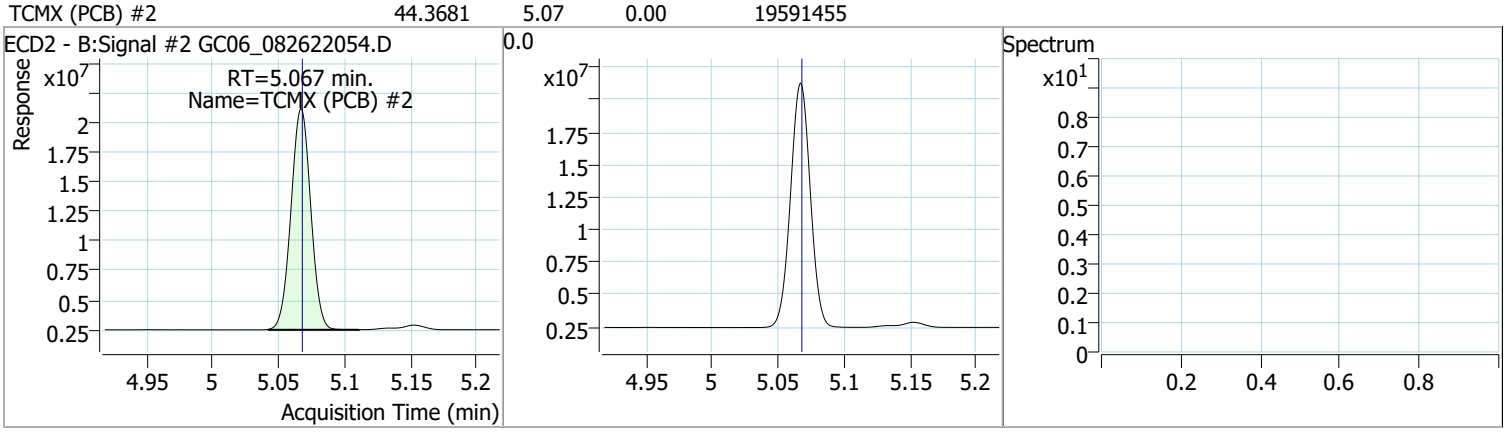


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	9640441.995	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB)	4.355	0.0	1993573.344	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB) #2	5.067	0.0	19591454.780	44.3681	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 221.84%		*	
S TCMX (PCB)	5.208	0.0	3883487.662	40.4987	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 202.49%		*	
S Decachlorobiphenyl (PCB)	12.687	0.0	3469825.683	22.8911	ng/ml		-0.019
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 114.46%			
S Decachlorobiphenyl (PCB) #2	13.123	0.0	16205236.431	27.8572	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 139.29%			
Target Compounds							QValue

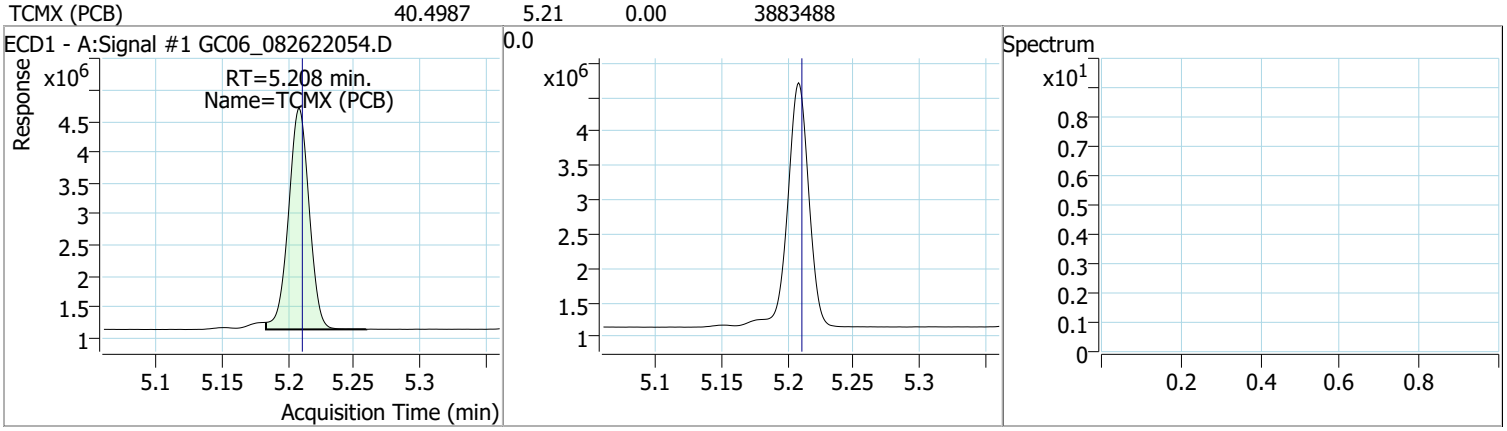
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.507	0.0	5085589.378	563.3143	ng/ml	100
T AR1016 1	5.558	0.0	1158781.766	594.2271	ng/ml	100
T AR1016 2 #2	5.900	0.0	11019034.164	588.1427	ng/ml	100
T AR1016 2	5.911	0.0	2383428.490	561.3326	ng/ml	100
T AR1016 3 #2	6.388	0.0	14939525.902	604.6401	ng/ml	100
T AR1016 3	6.391	0.0	2951050.318	590.5477	ng/ml	100
T AR1016 4	6.531	0.0	1958976.373	523.8529	ng/ml	100
T AR1016 4 #2	6.536	0.0	10236204.027	610.6485	ng/ml	100
T AR1016 5	7.022	0.0	1783782.086	616.6466	ng/ml	100
T AR1016 5 #2	7.317	0.0	8855792.687	675.7257	ng/ml	100
T AR1260 1	9.063	0.0	3795028.686	604.8965	ng/ml	100
T AR1260 1 #2	9.549	0.0	20359979.477	697.7930	ng/ml	100
T AR1260 2	9.605	0.0	5749141.752	594.9527	ng/ml	100
T AR1260 2 #2	9.932	0.0	22354702.927	663.0707	ng/ml	100
T AR1260 3	10.079	0.0	6266487.448	623.8083	ng/ml	100
T AR1260 3 #2	10.470	0.0	30595353.235	667.9587	ng/ml	100
T AR1260 4	10.608	0.0	2933916.201	587.2573	ng/ml	100
T AR1260 4 #2	10.975	0.0	14458800.922	583.3579	ng/ml	100
T AR1260 5	11.338	0.0	3644538.048	551.1744	ng/ml	100
T AR1260 5 #2	11.656	0.0	22652735.399	619.9089	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

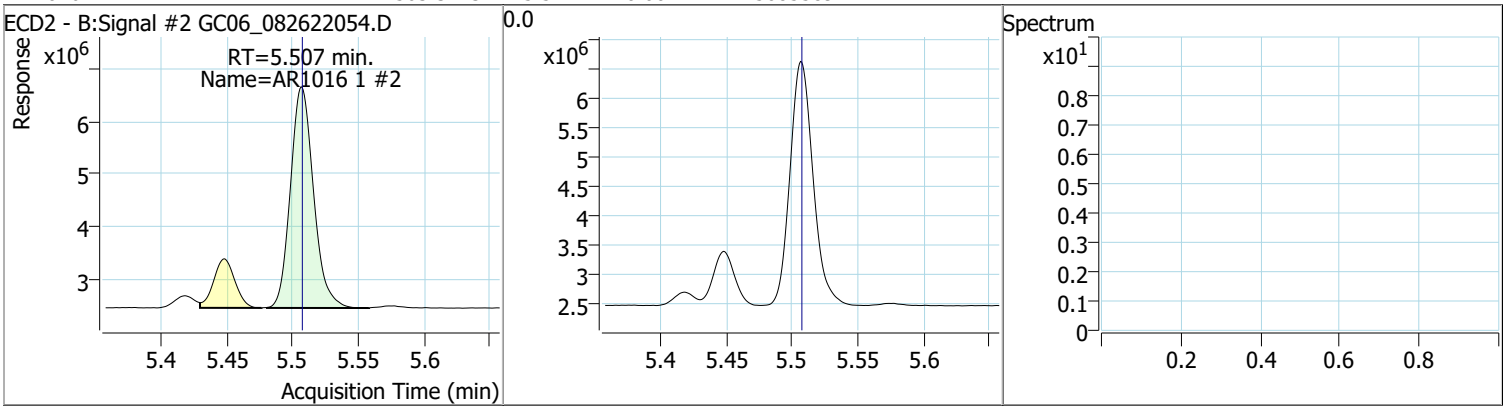
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	44.3681	5.07	0.00	19591455				



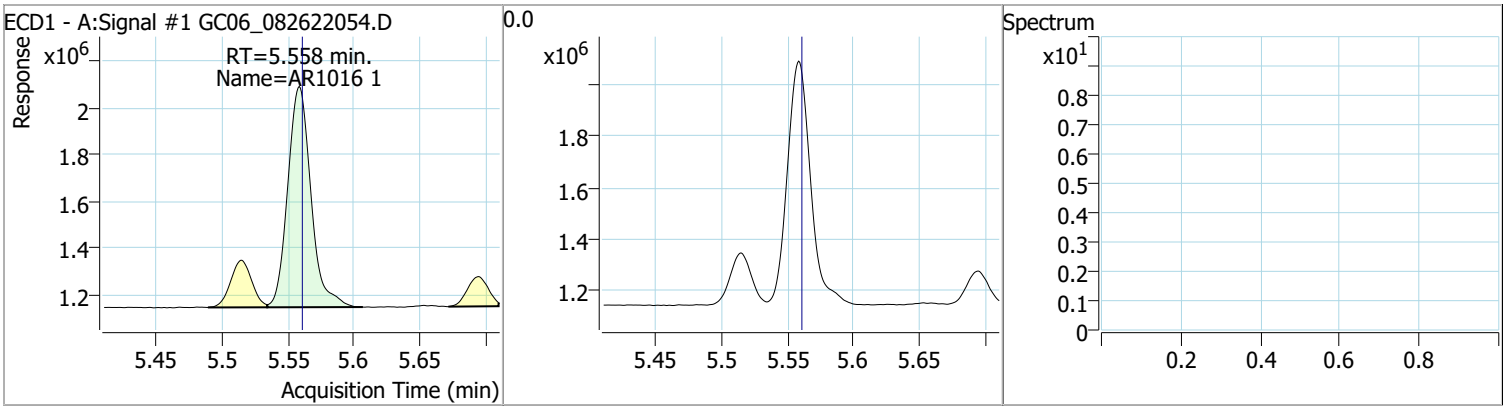
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	40.4987	5.21	0.00	3883488				



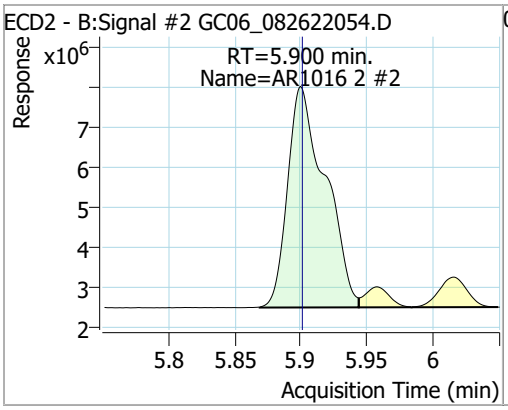
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	563.3143	5.51	0.00	5085589				

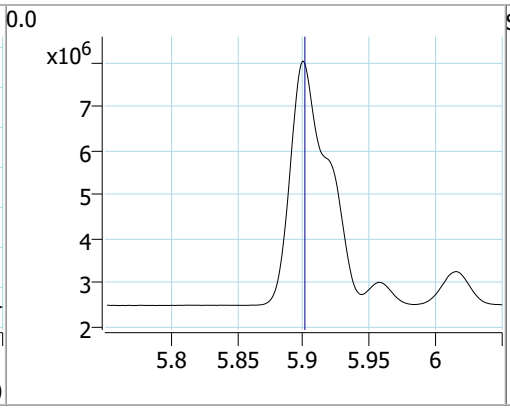


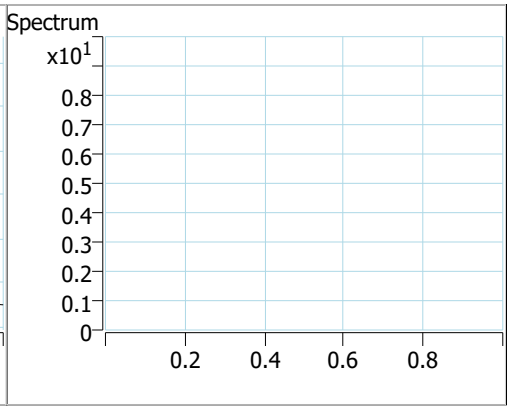
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	594.2271	5.56	0.00	1158782				



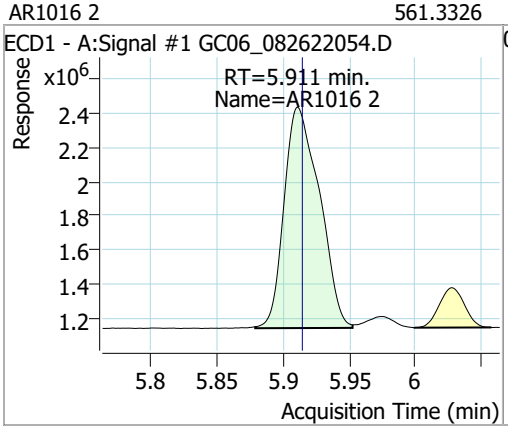
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	588.1427	5.90	0.00	11019034				

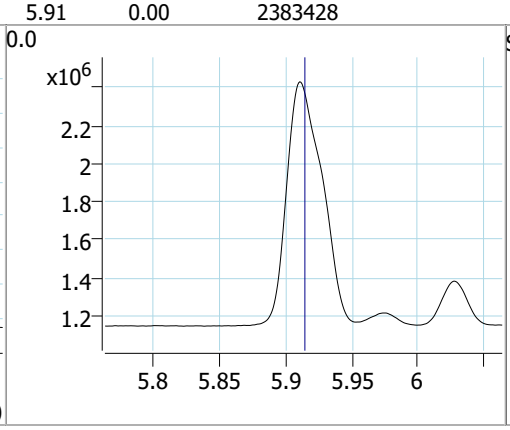


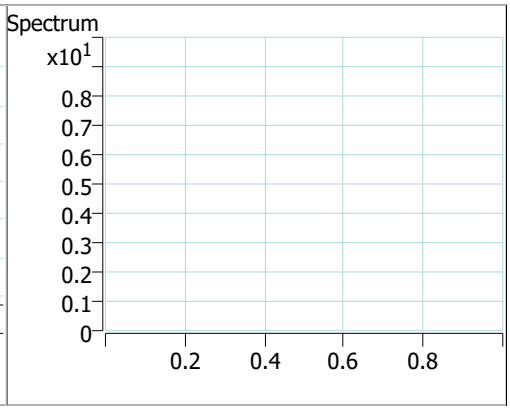




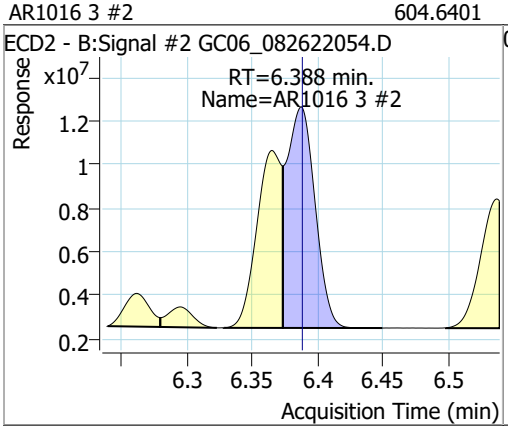
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	561.3326	5.91	0.00	2383428				

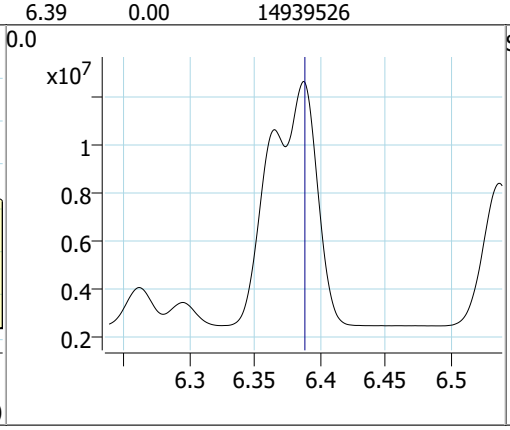


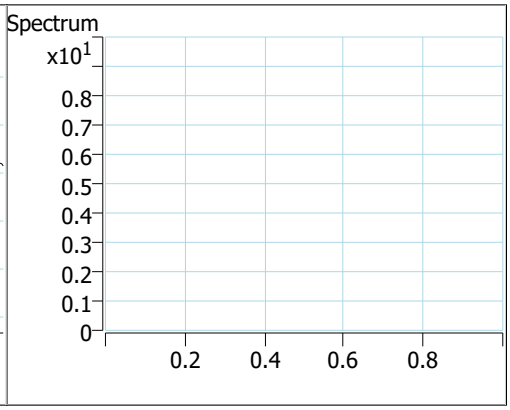




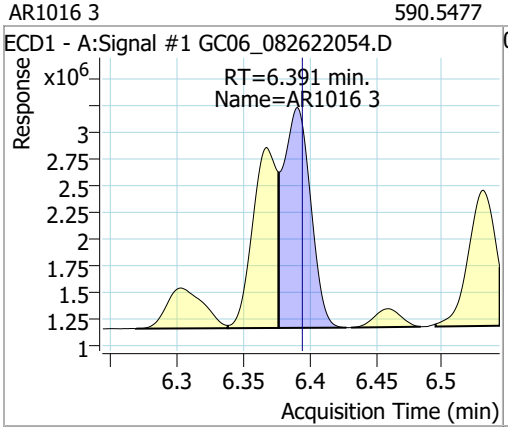
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	604.6401	6.39	0.00	14939526				

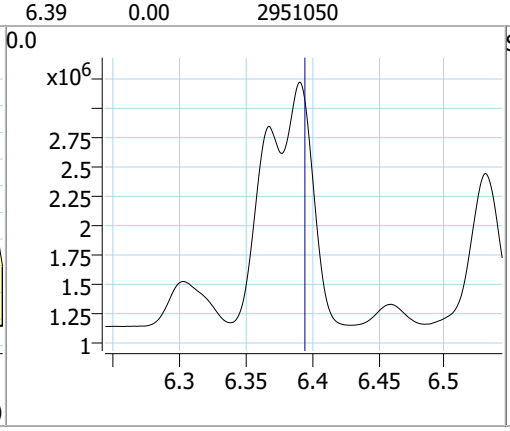


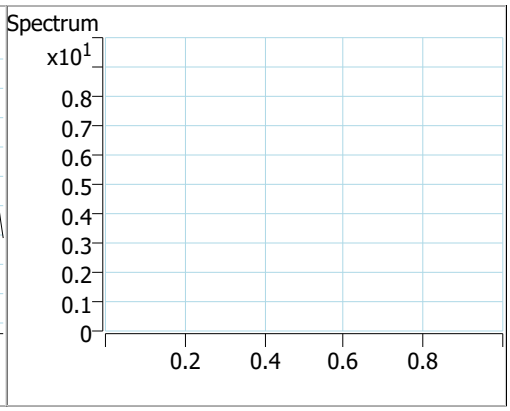




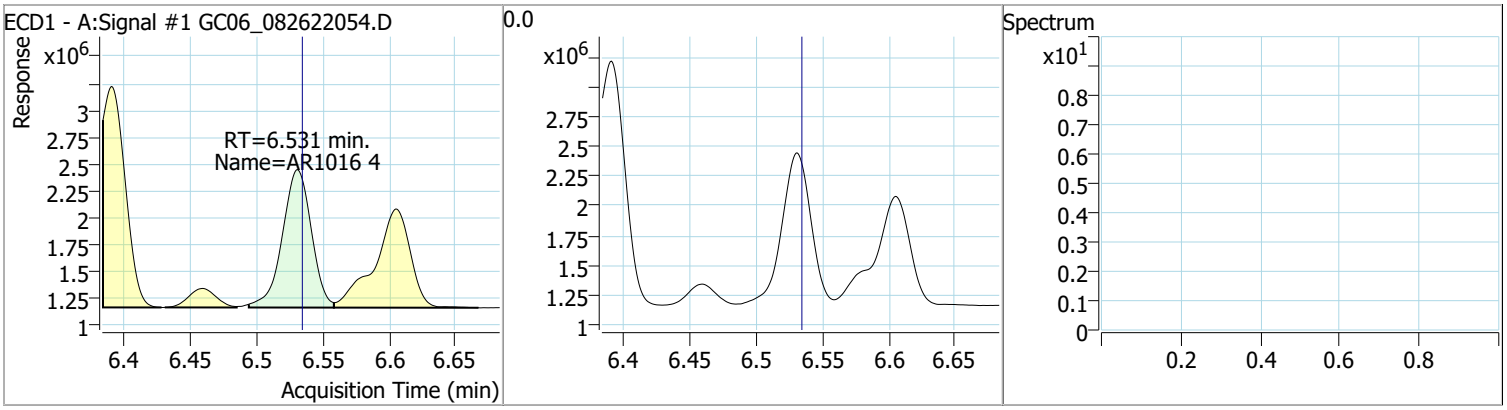
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	590.5477	6.39	0.00	2951050				



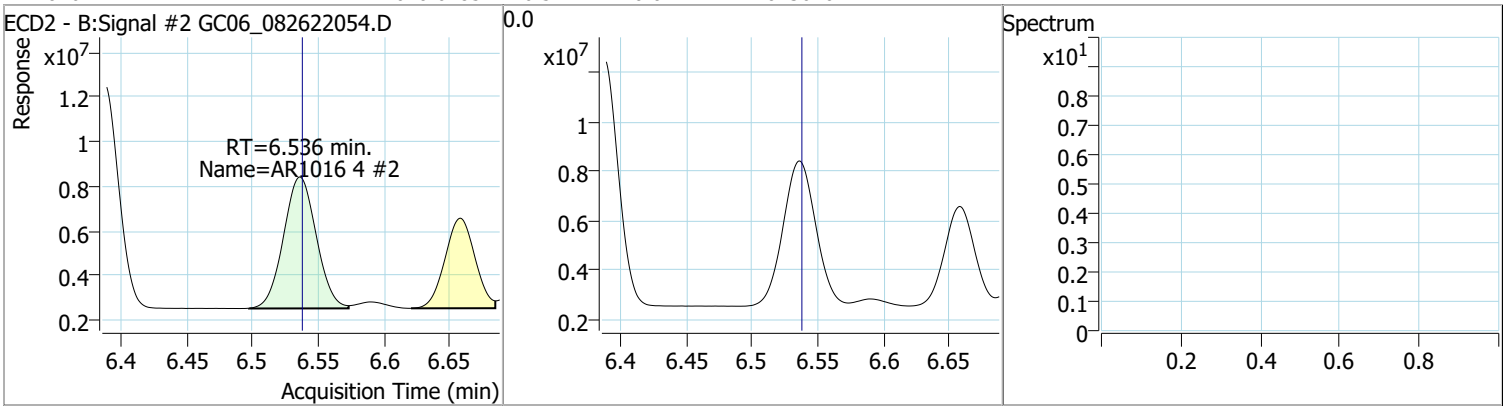




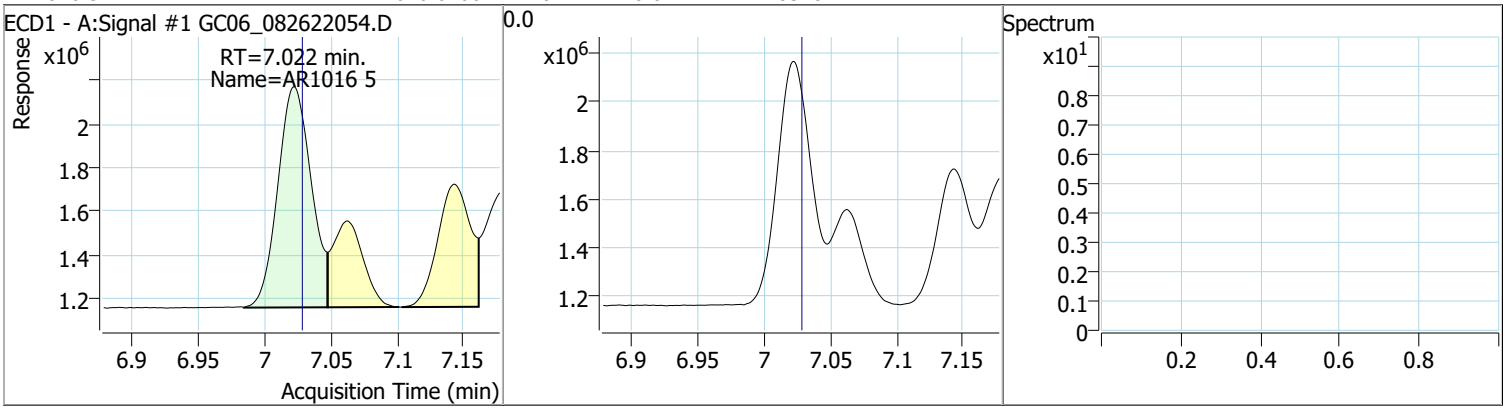
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	523.8529	6.53	0.00	1958976				



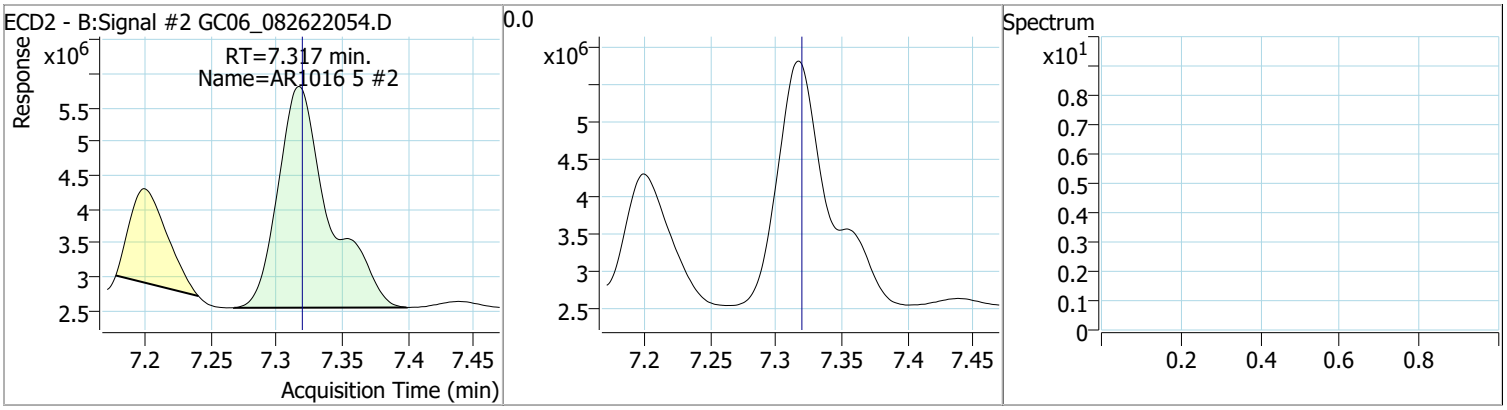
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	610.6485	6.54	-0.01	10236204				



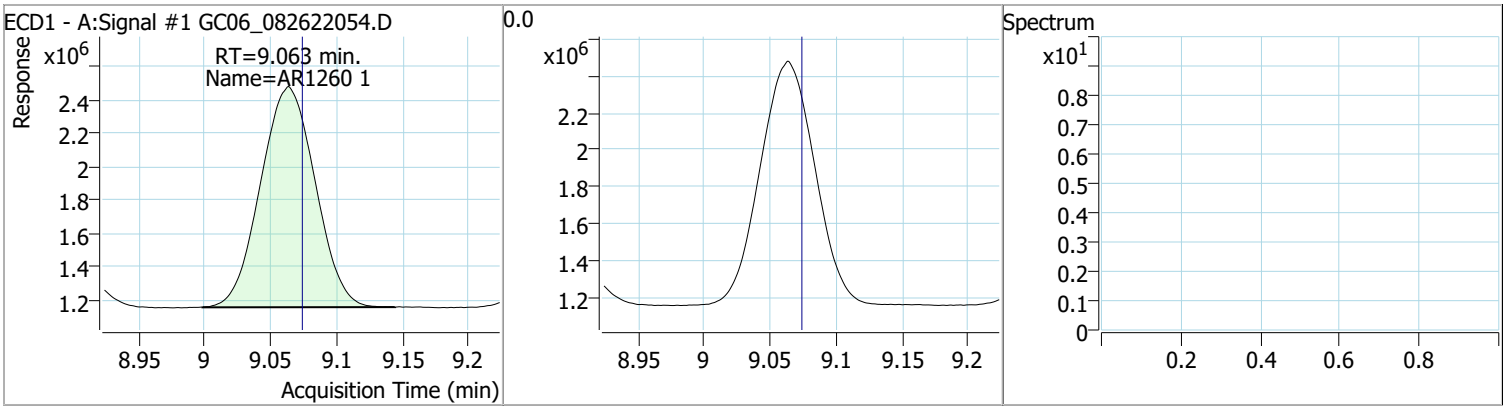
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	616.6466	7.02	-0.01	1783782				



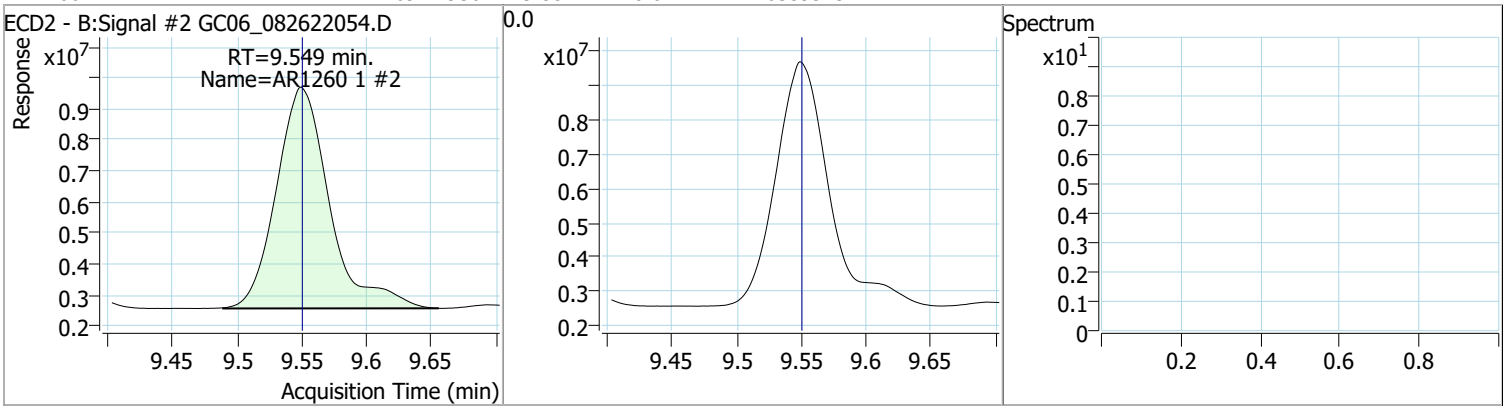
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	675.7257	7.32	-0.01	8855793				



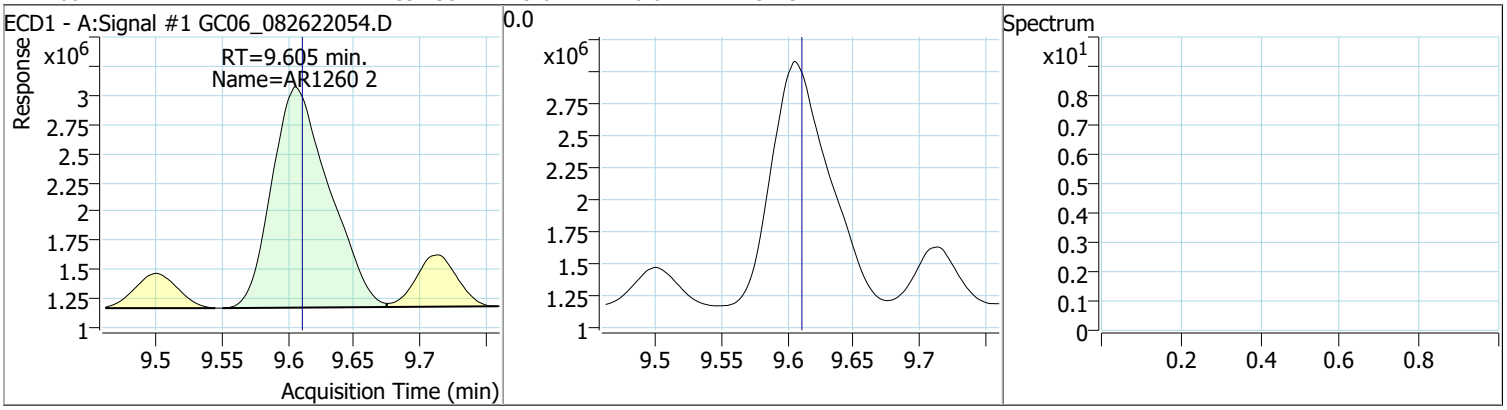
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	604.8965	9.06	-0.01	3795029				



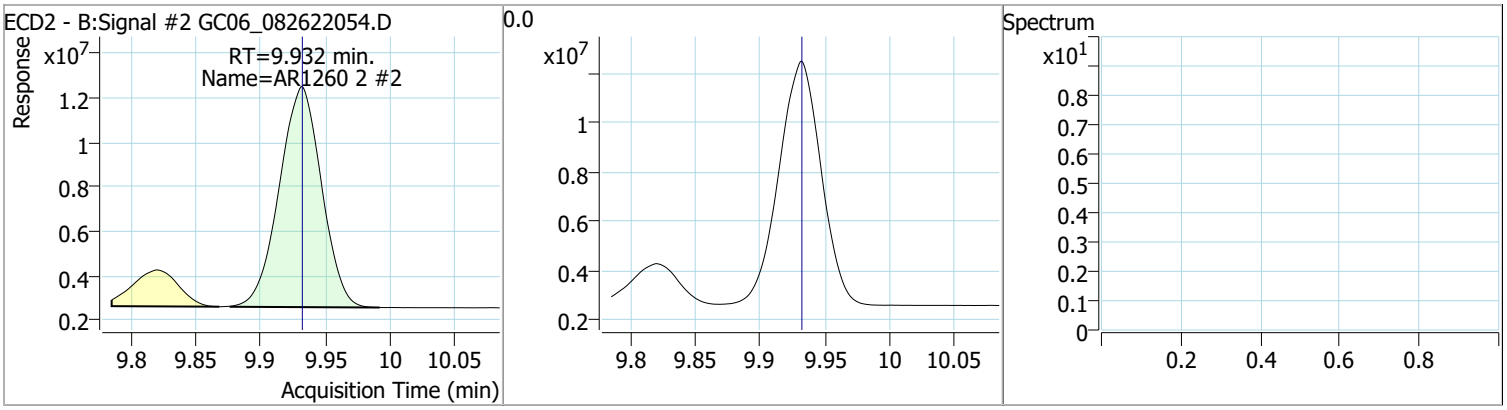
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	697.7930	9.55	-0.01	20359979				



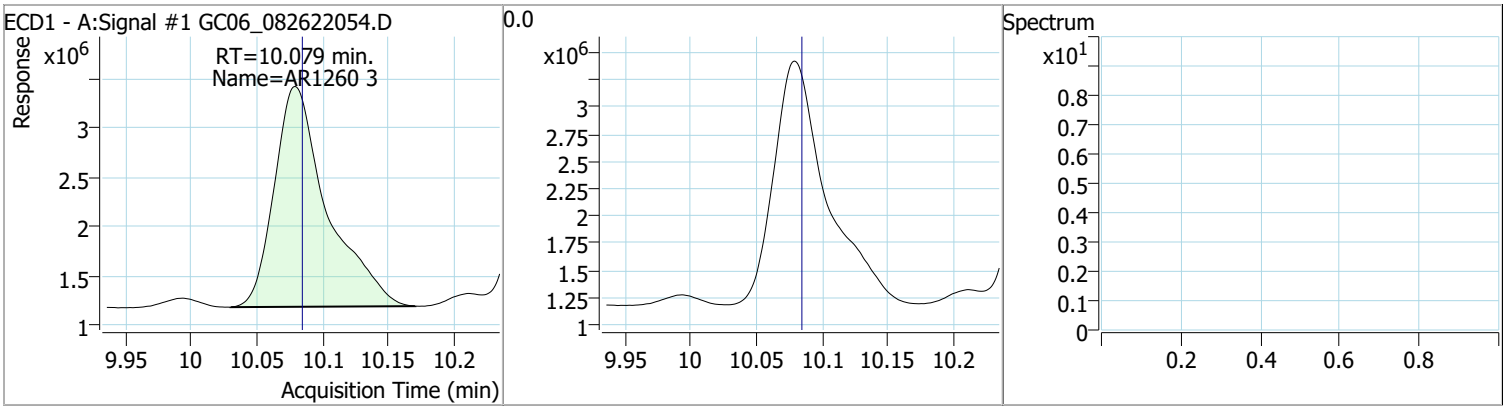
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	594.9527	9.61	-0.01	5749142				



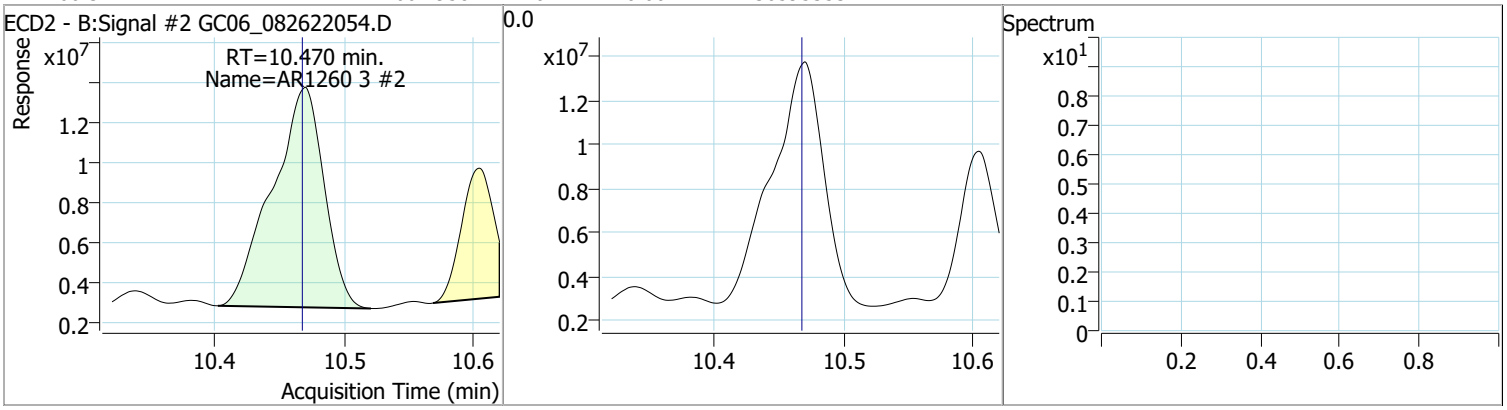
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	663.0707	9.93	-0.01	22354703				



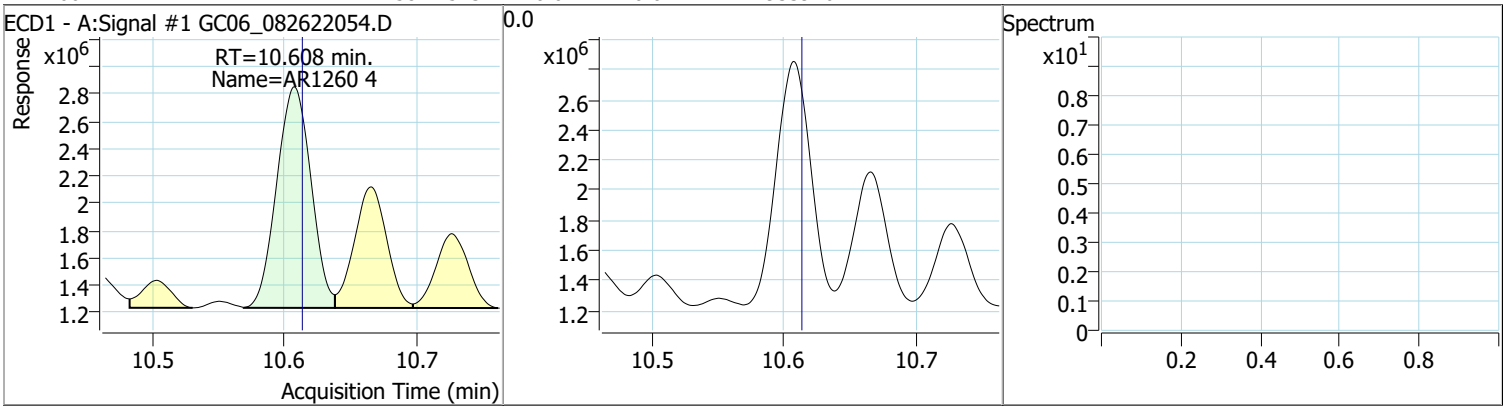
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	623.8083	10.08	-0.01	6266487				



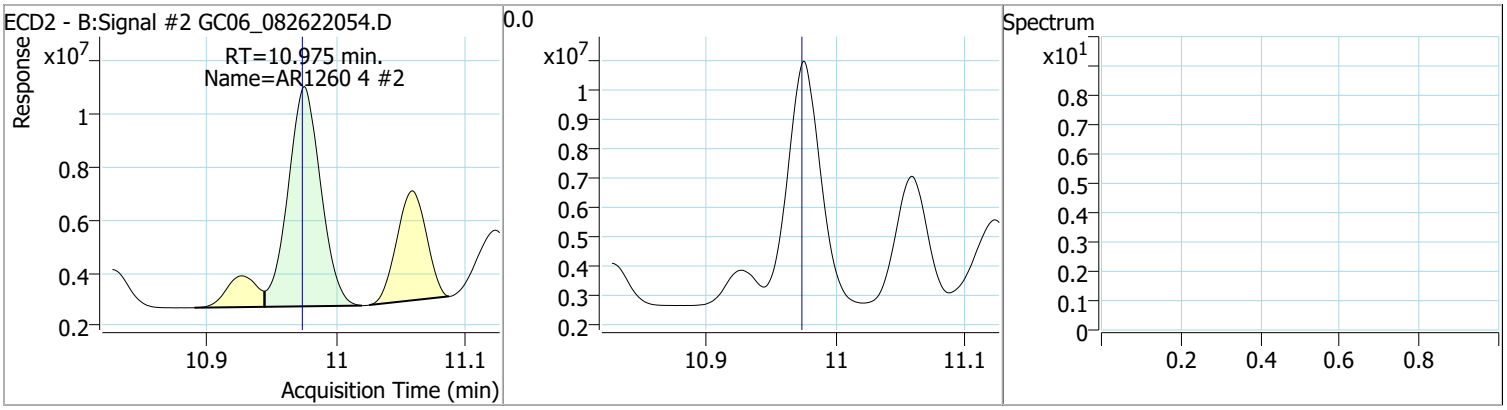
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	667.9587	10.47	0.00	30595353				



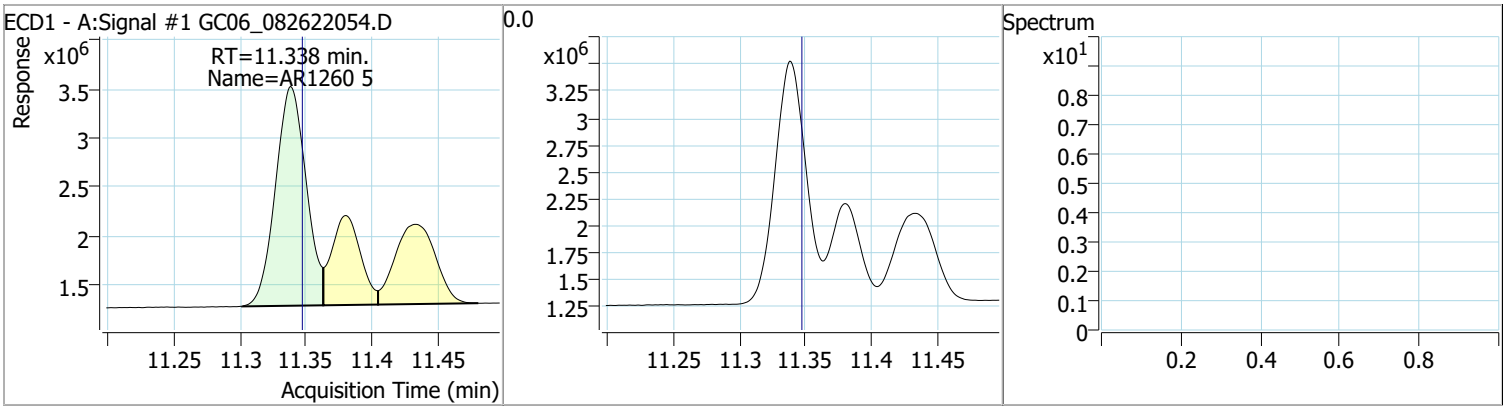
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	587.2573	10.61	-0.01	2933916				



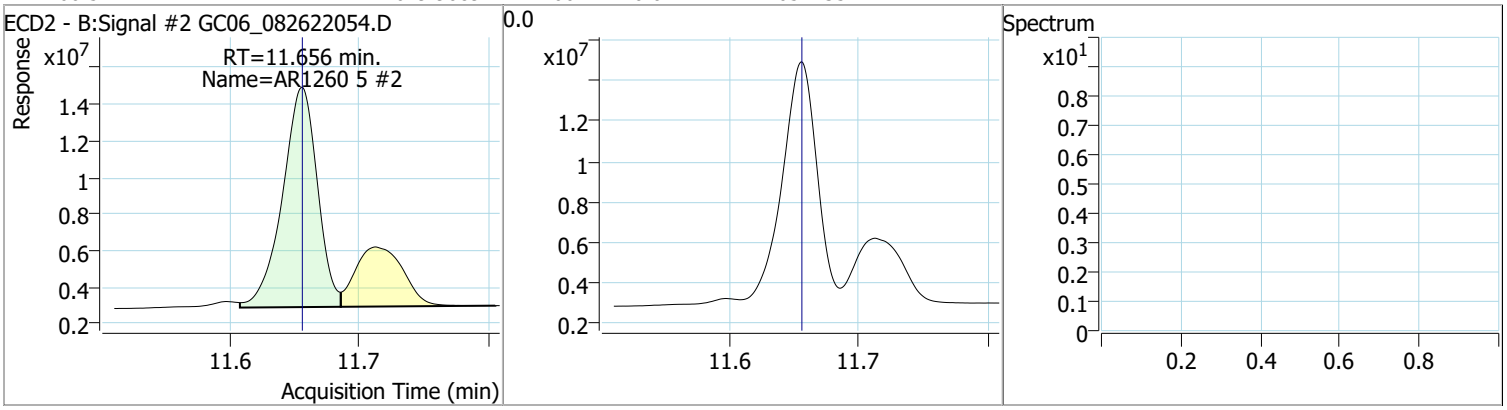
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	583.3579	10.98	0.00	14458801				



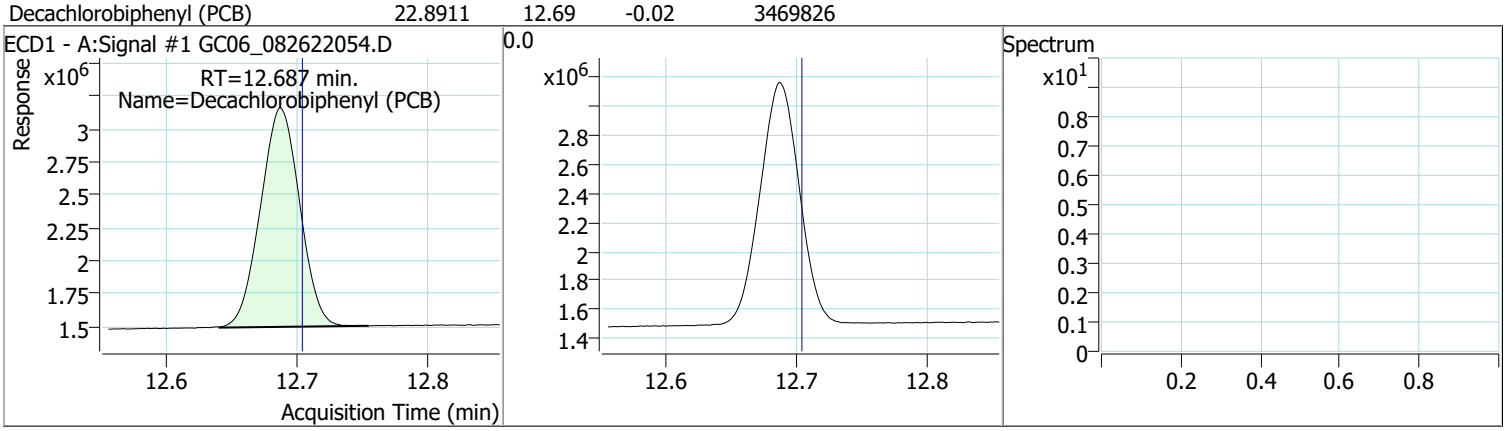
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	551.1744	11.34	-0.01	3644538				



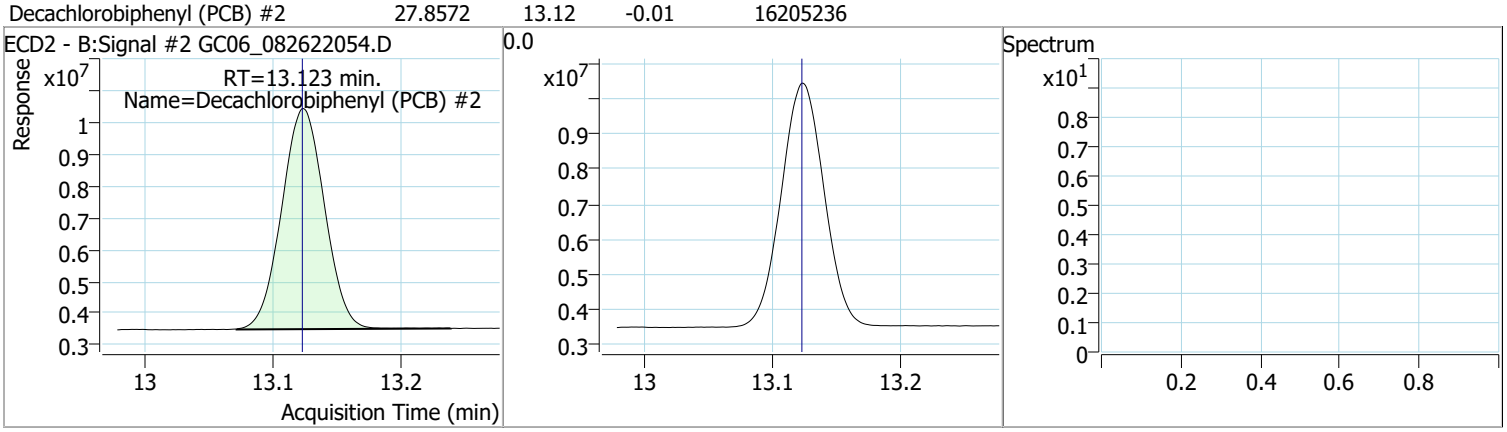
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	619.9089	11.66	-0.01	22652735				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	22.8911	12.69	-0.02	3469826				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	27.8572	13.12	-0.01	16205236				



ENTHALPY CONTINUING CALIBRATION FOR 467872 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452348138002	File:	gc06_082922002	Time:	29-AUG-2022 18:18
Cal:	452150634002	Caldate:	14-APR-2022		

Standards: S17055

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	462.3	ug/L	-8	15	0.0000	
Aroclor-1260	A			500.0	437.3	ug/L	-13	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.5203	1.2581	20.00	16.55	ug/L	**-17**	15	0.0000	c-
TCMX (PCB)	A	0.9618	1.6406	20.00	34.12	ug/L	**71**	15	0.0000	c+
Aroclor-1016	B			500.0	483.7	ug/L	-3	15	0.0000	
Aroclor-1260	B			500.0	476.2	ug/L	-5	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2065	1.2644	20.00	20.96	ug/L	5	15	0.0000	
TCMX (PCB)	B	0.9158	1.6365	20.00	35.74	ug/L	**79**	15	0.0000	c+

ISTD (ICAL gc06_041422016)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6493014	4927157	-24.12
1-bromo-2-nitrobenzene (PCB)	A	1831488	1411407	-22.94

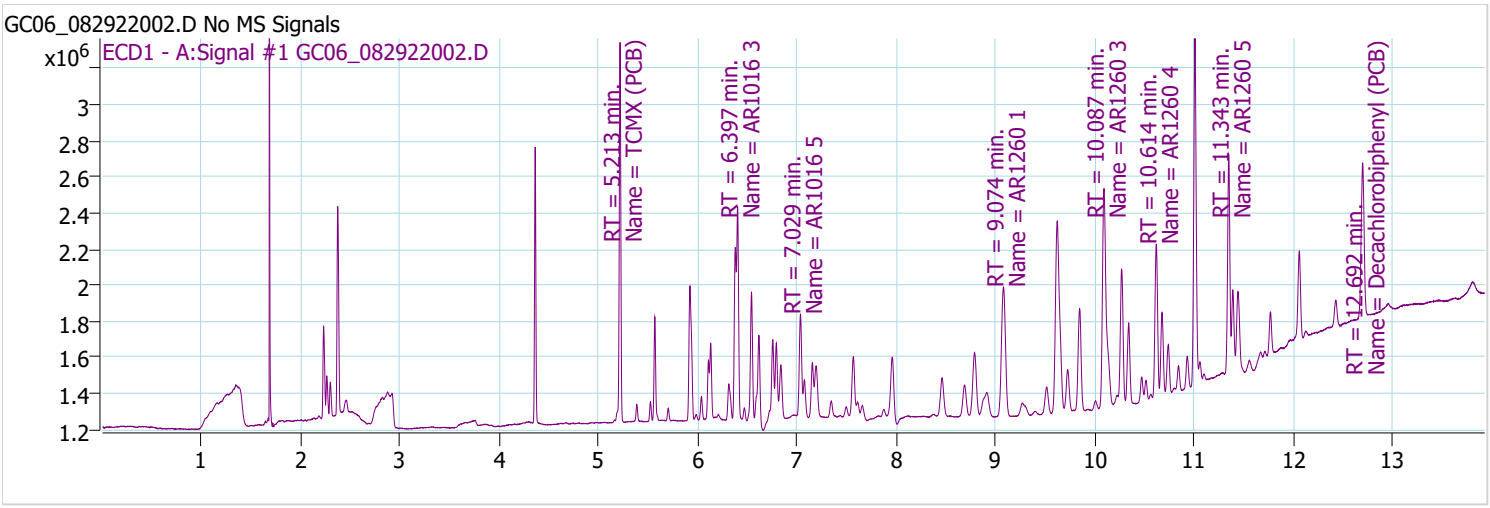
+=high bias -=low bias c=CCV

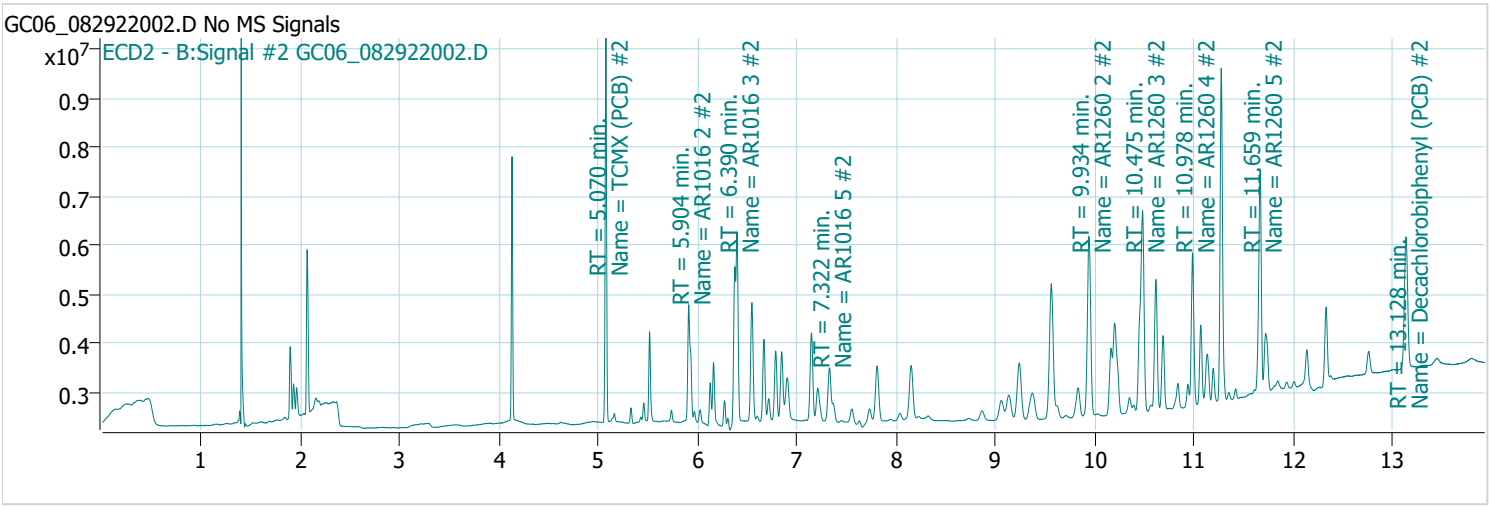
Analyst: TRN 08/30/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082922002.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/29/2022 6:18:06 PM
Sample Name	CCV, S17055	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082922PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



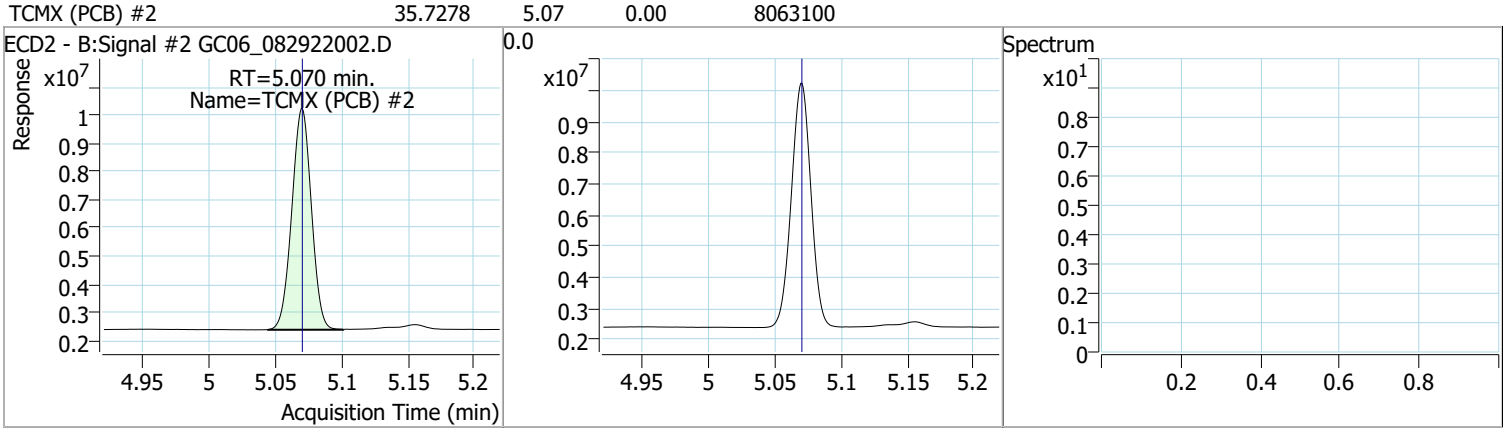


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.124	0.0	4927156.631	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB)	4.358	0.0	1411407.497	20.0000	ng/ml		0.002
System Monitoring Compounds							
S TCMX (PCB) #2	5.070	0.0	8063099.764	35.7278	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 178.64%		*	
S TCMX (PCB)	5.213	0.0	2315570.401	34.1081	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 170.54%		*	
S Decachlorobiphenyl (PCB)	12.692	0.0	1775662.084	16.5462	ng/ml		-0.014
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 82.73%			
S Decachlorobiphenyl (PCB) #2	13.128	0.0	6229660.647	20.9531	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 104.77%			
Target Compounds							QValue

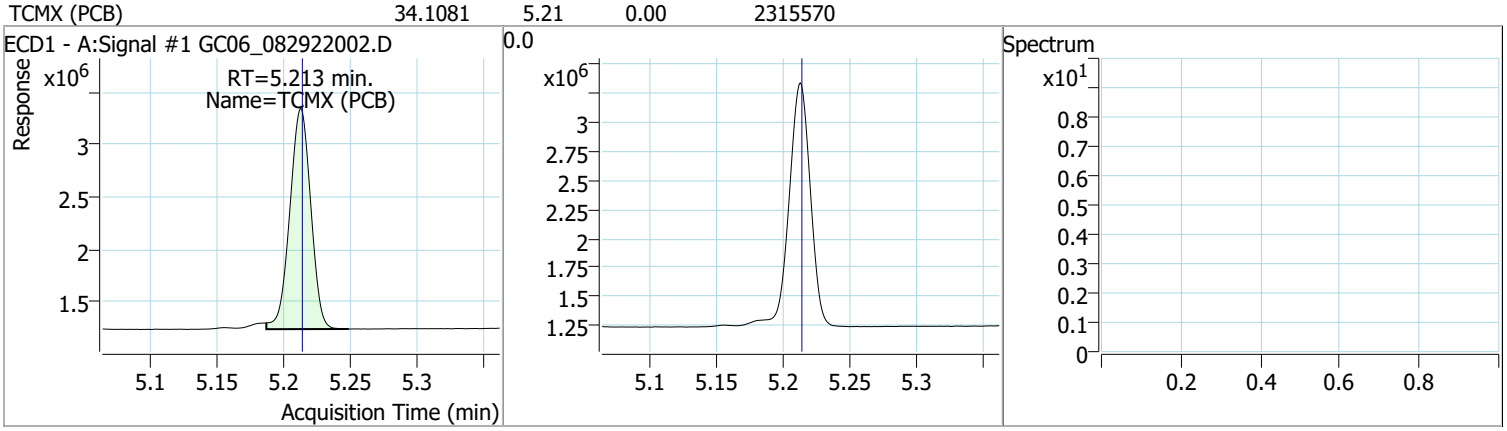
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.510	0.0	2258930.025	489.5678	ng/ml	100
T AR1016 1	5.563	0.0	662806.219	480.0840	ng/ml	100
T AR1016 2 #2	5.904	0.0	4757430.889	496.8351	ng/ml	100
T AR1016 2	5.917	0.0	1343504.881	446.9276	ng/ml	100
T AR1016 3 #2	6.390	0.0	6164155.217	488.1286	ng/ml	100
T AR1016 3	6.397	0.0	1665295.966	470.7059	ng/ml	100
T AR1016 4	6.536	0.0	1136698.563	429.3438	ng/ml	100
T AR1016 4 #2	6.540	0.0	4189686.227	489.0288	ng/ml	100
T AR1016 5	7.029	0.0	991377.102	484.0756	ng/ml	100
T AR1016 5 #2	7.322	0.0	3043102.440	454.3182	ng/ml	100
T AR1260 1	9.074	0.0	2037821.931	458.7880	ng/ml	100
T AR1260 1 #2	9.556	0.0	7815675.346	524.1026	ng/ml	100
T AR1260 2	9.615	0.0	3132728.660	457.9120	ng/ml	100
T AR1260 2 #2	9.934	0.0	8549342.589	496.1628	ng/ml	100
T AR1260 3	10.087	0.0	2957385.099	415.8289	ng/ml	100
T AR1260 3 #2	10.475	0.0	11200567.709	478.4480	ng/ml	100
T AR1260 4	10.614	0.0	1544442.238	436.6487	ng/ml	100
T AR1260 4 #2	10.978	0.0	5486288.297	433.0938	ng/ml	100
T AR1260 5	11.343	0.0	1951101.644	416.7794	ng/ml	100
T AR1260 5 #2	11.659	0.0	8378896.686	448.6365	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

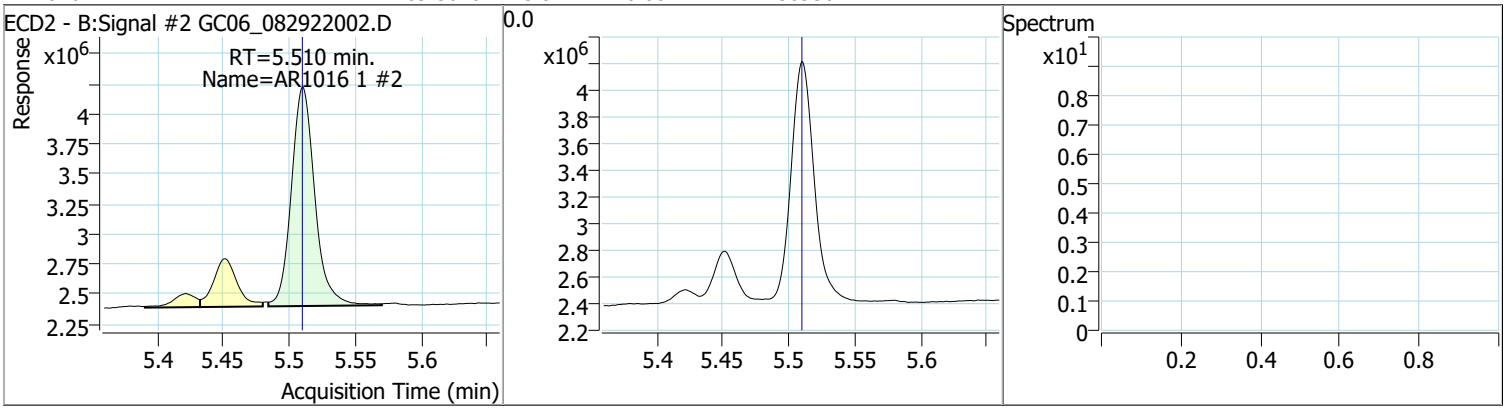
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.7278	5.07	0.00	8063100				



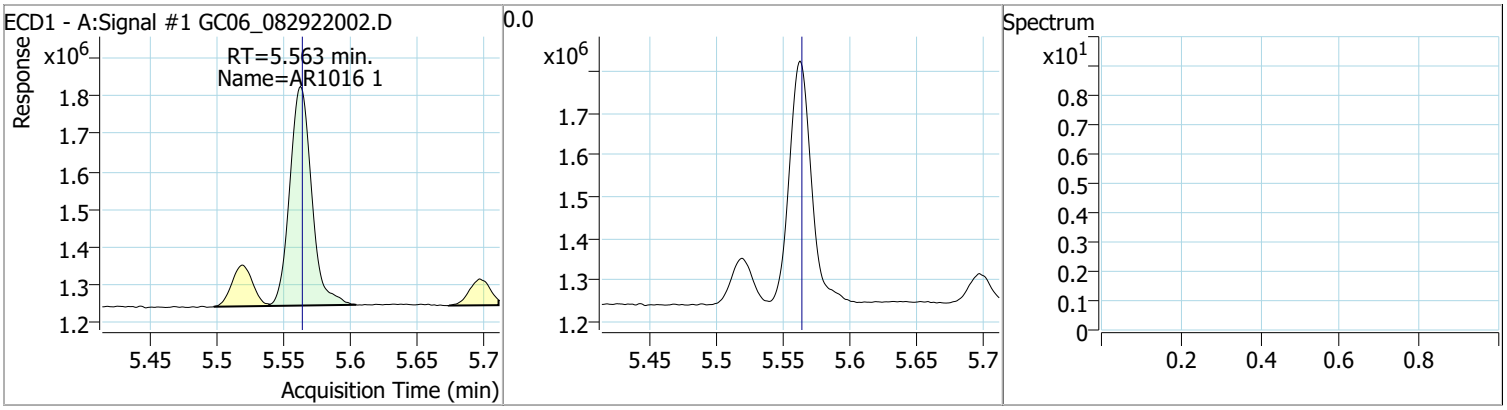
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	34.1081	5.21	0.00	2315570				



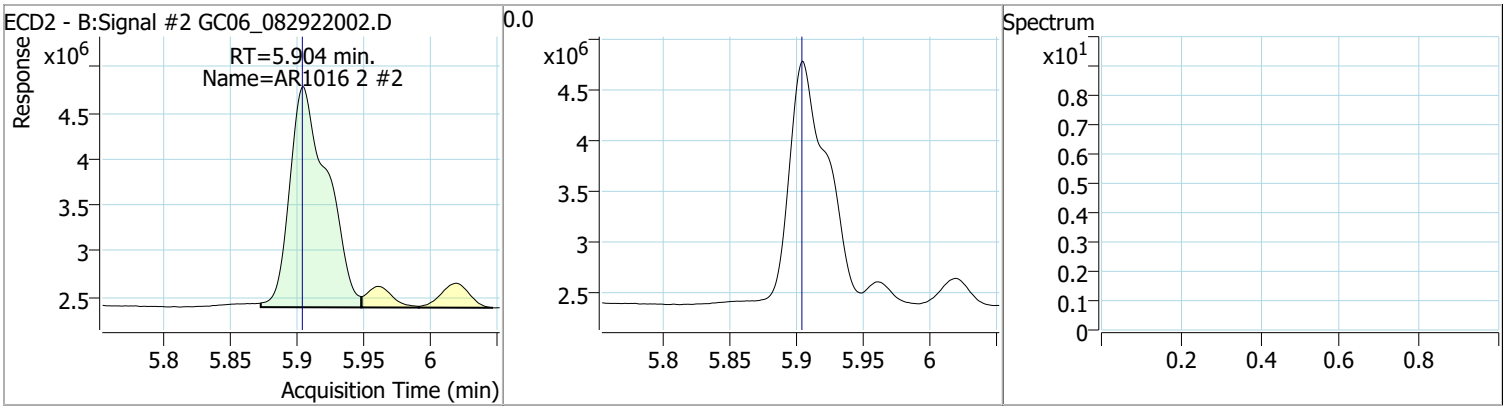
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	489.5678	5.51	0.00	2258930				



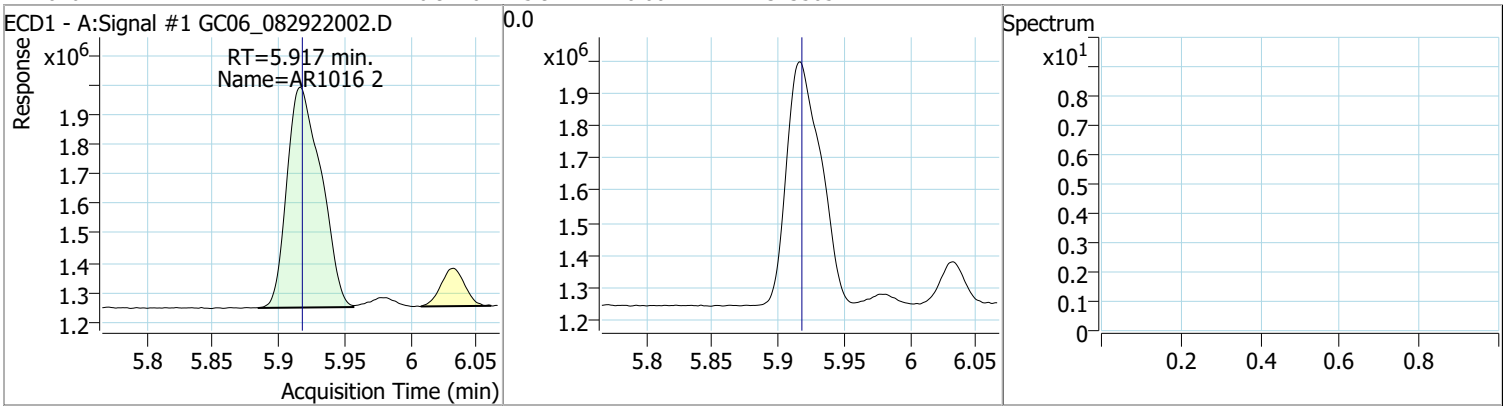
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	480.0840	5.56	0.00	662806				



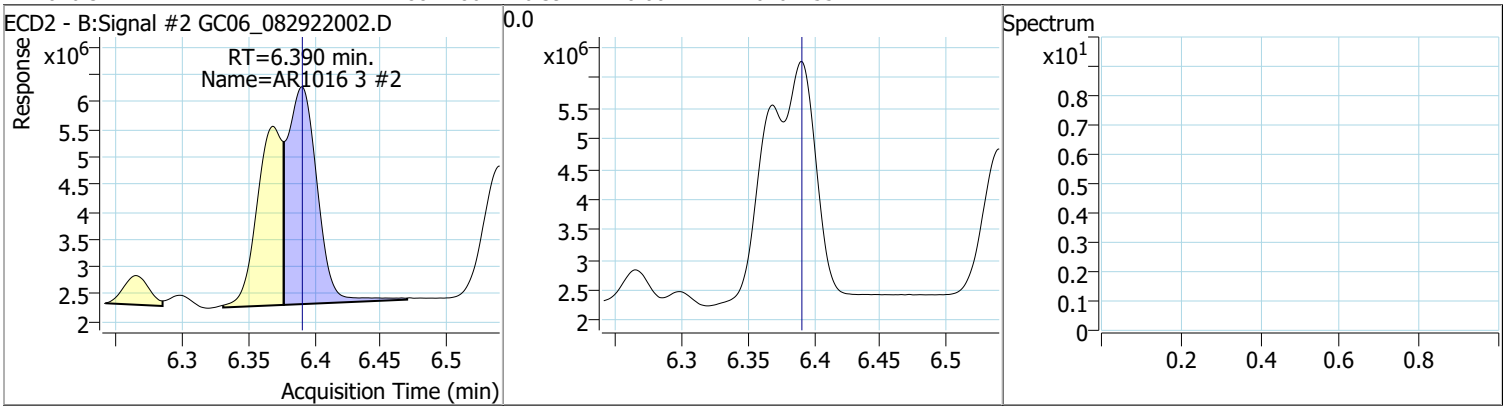
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	496.8351	5.90	0.00	4757431				



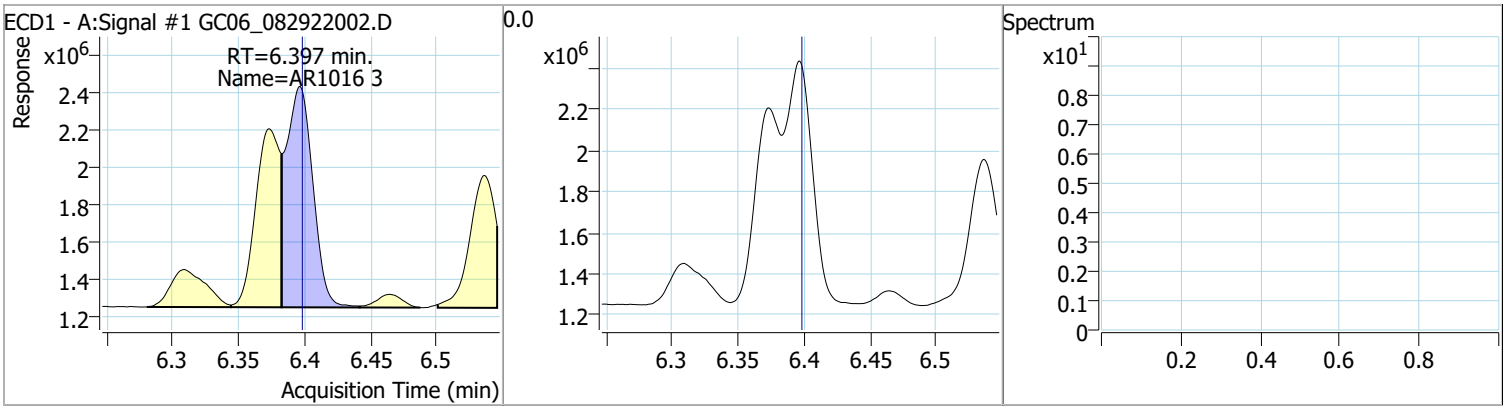
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	446.9276	5.92	0.00	1343505				



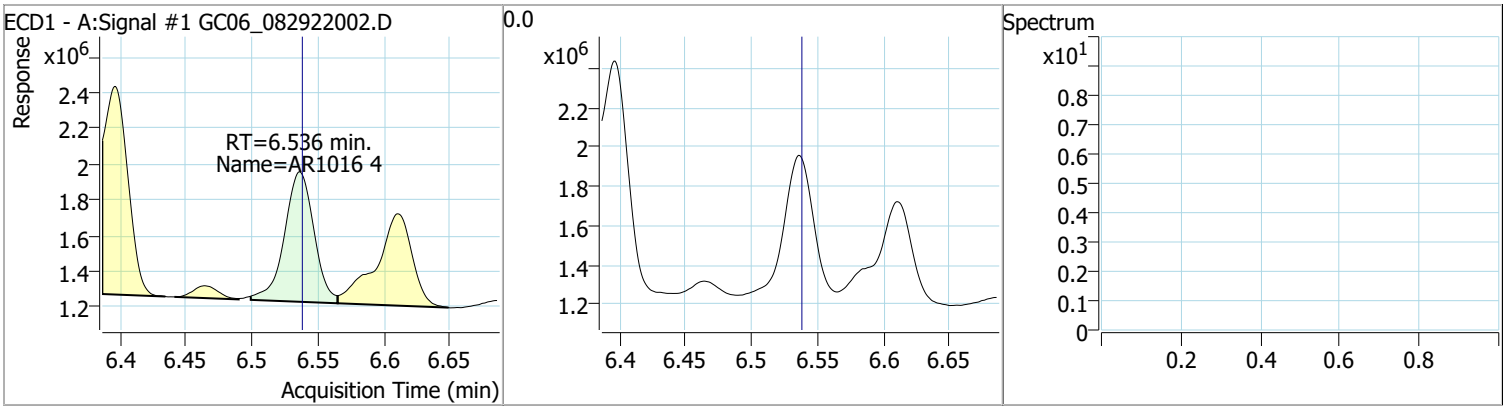
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	488.1286	6.39	0.00	6164155				



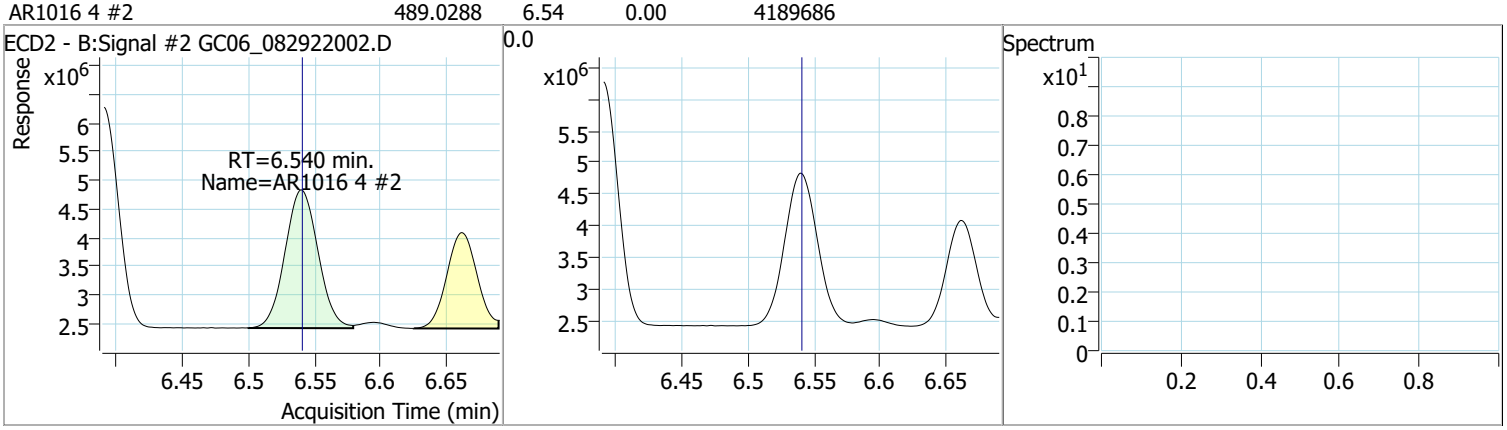
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	470.7059	6.40	0.00	1665296				



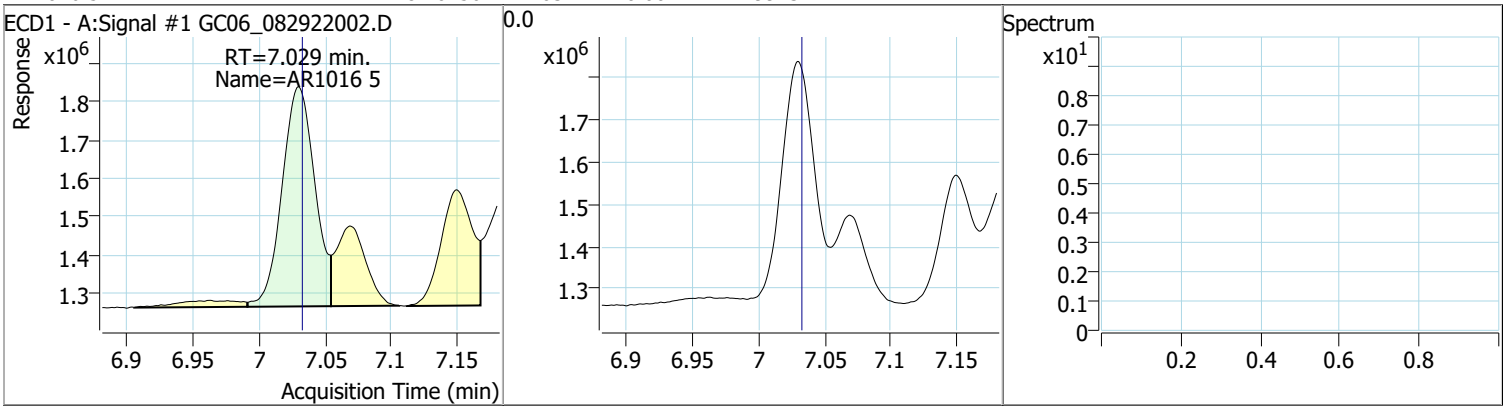
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	429.3438	6.54	0.00	1136699				



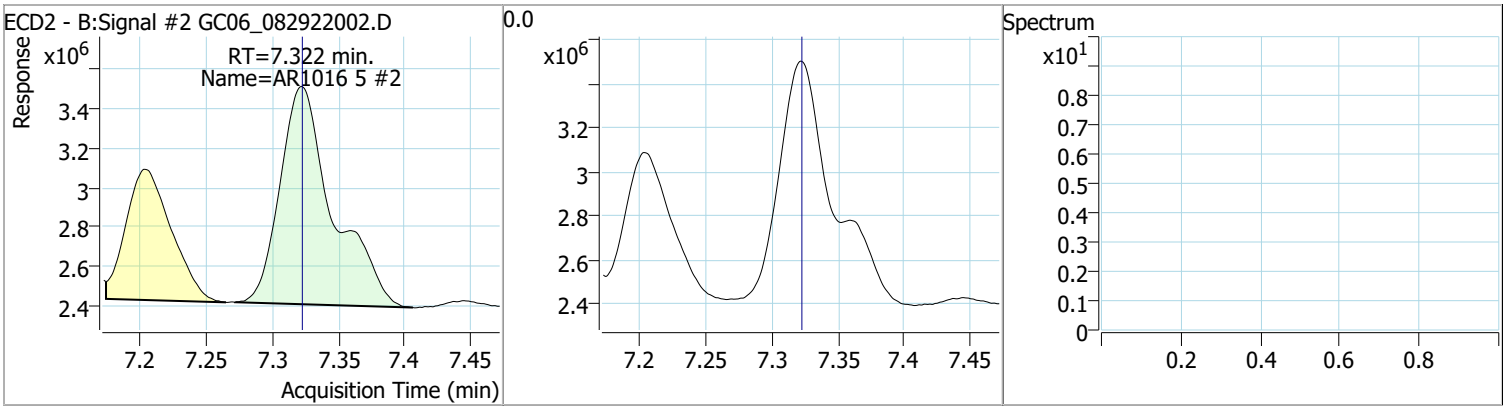
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	489.0288	6.54	0.00	4189686				



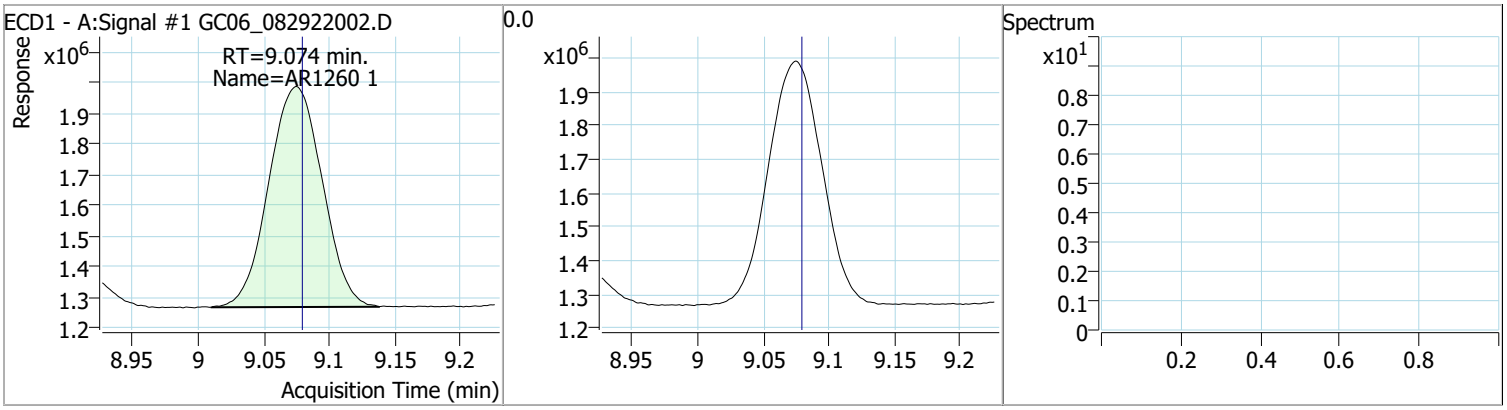
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	484.0756	7.03	0.00	991377				



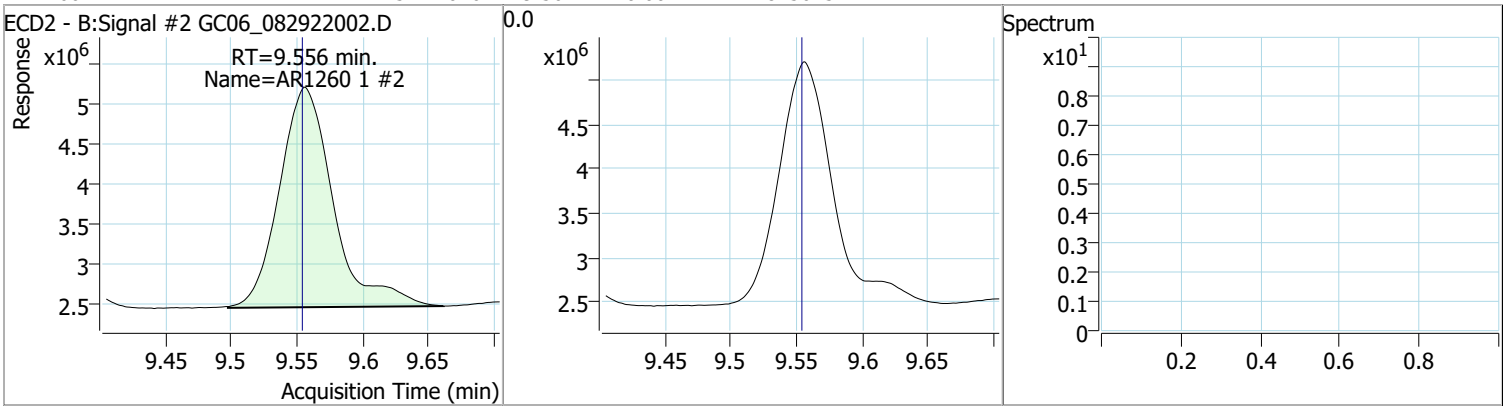
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	454.3182	7.32	0.00	3043102				



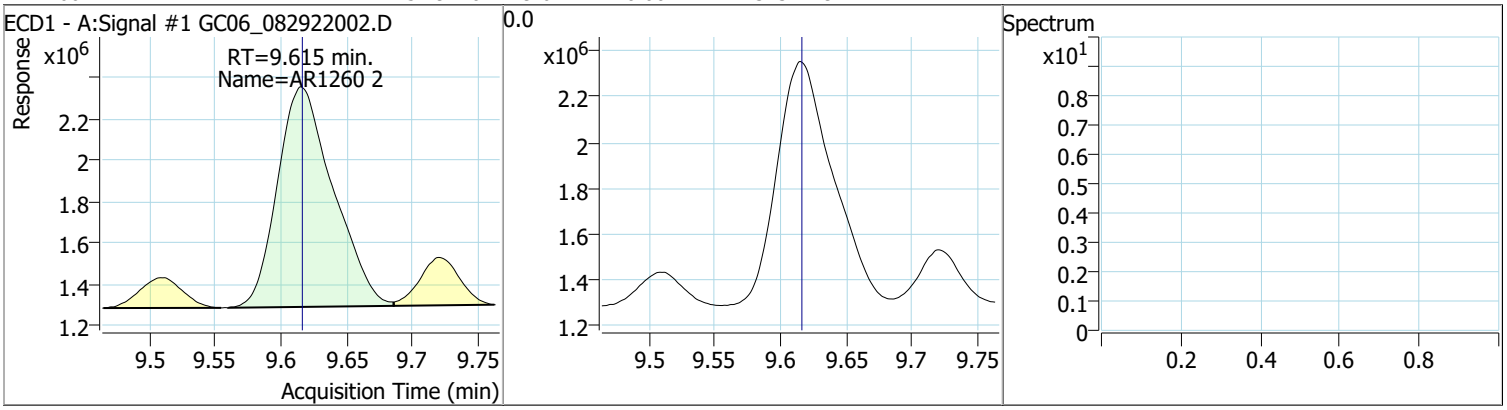
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	458.7880	9.07	0.00	2037822				



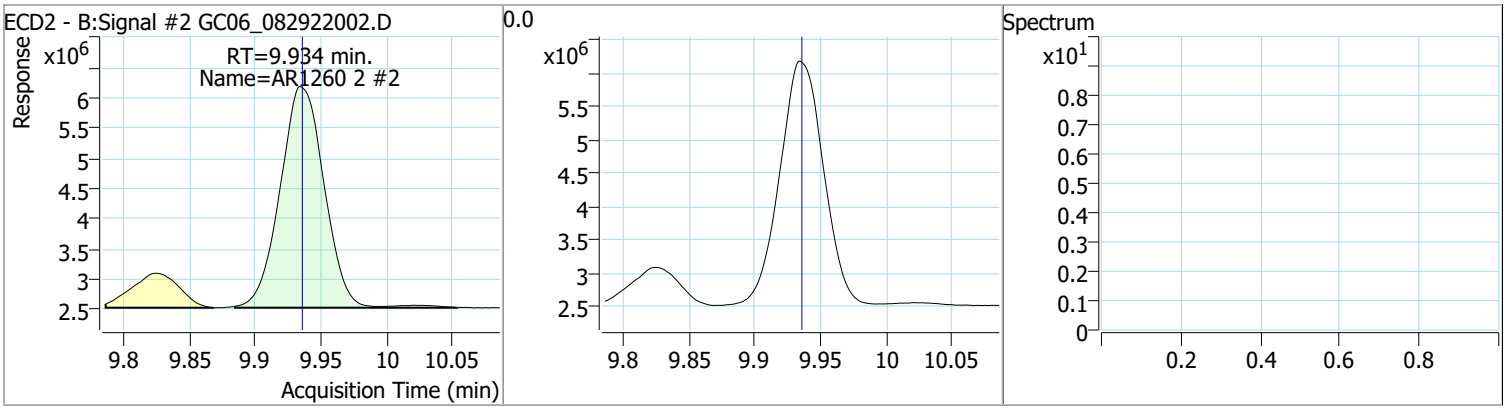
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	524.1026	9.56	0.00	7815675				



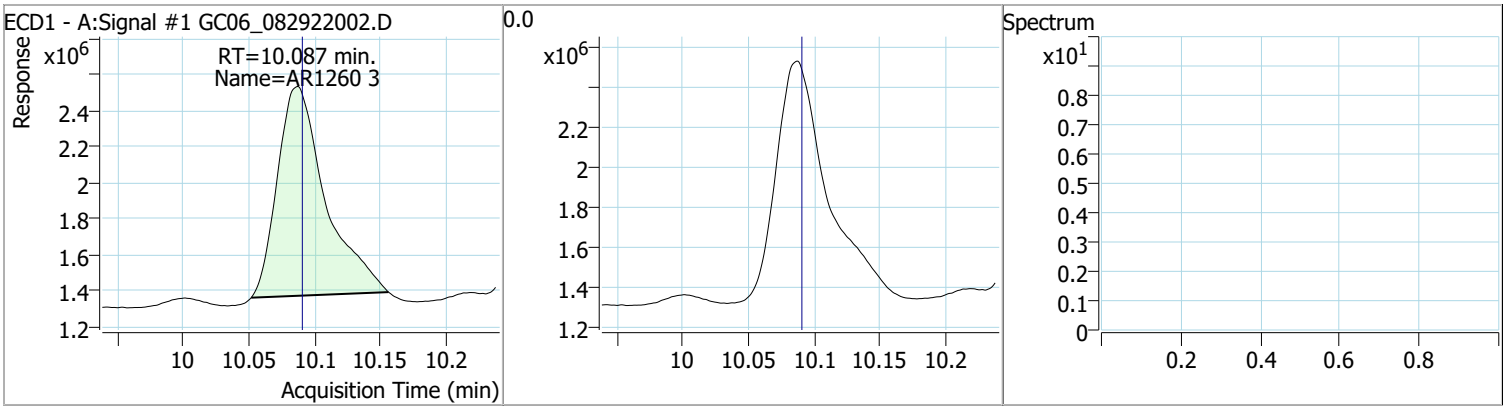
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	457.9120	9.62	0.00	3132729				



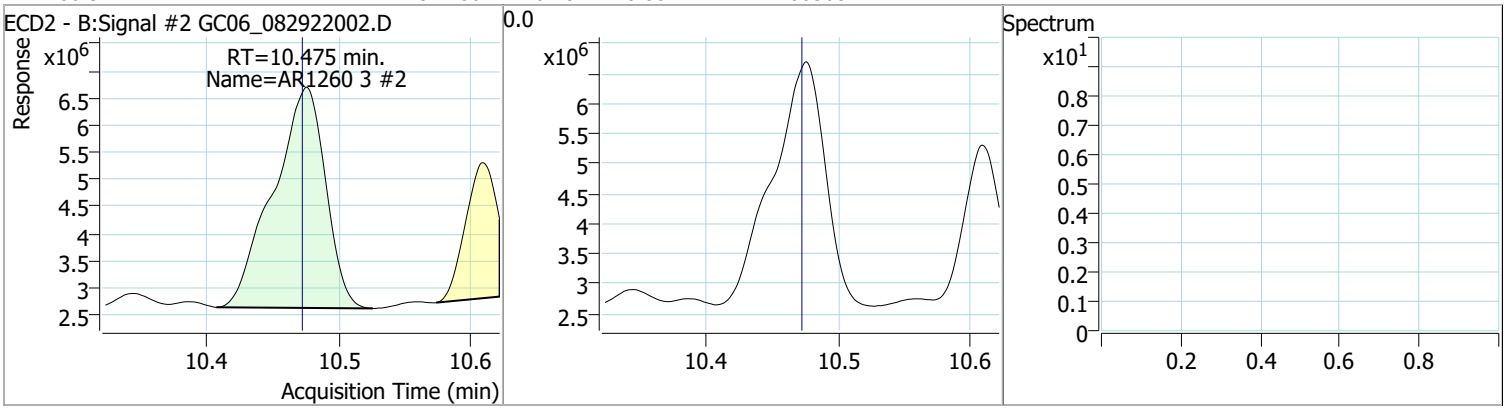
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	496.1628	9.93	0.00	8549343				



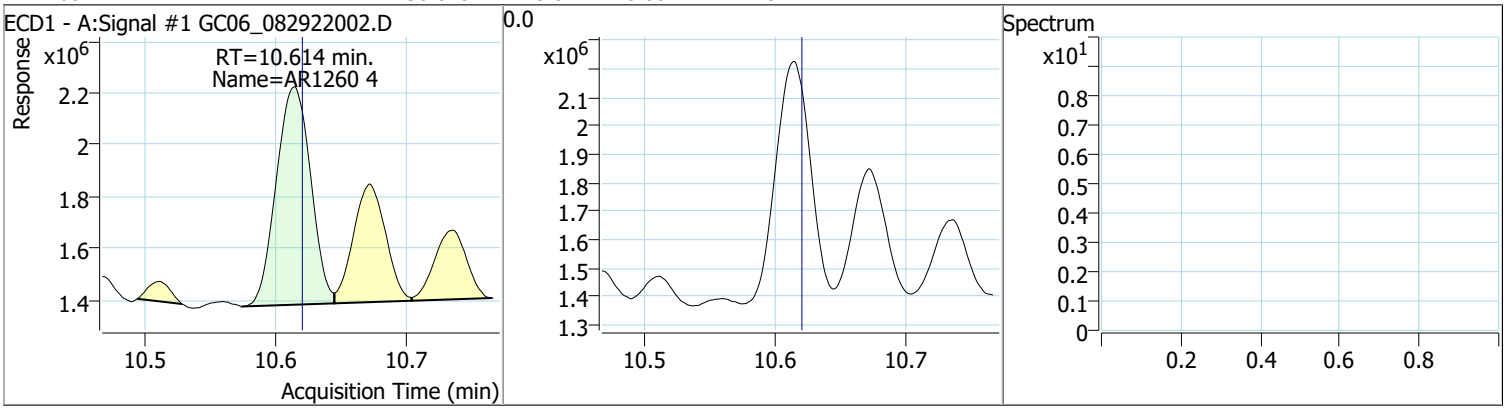
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	415.8289	10.09	0.00	2957385				



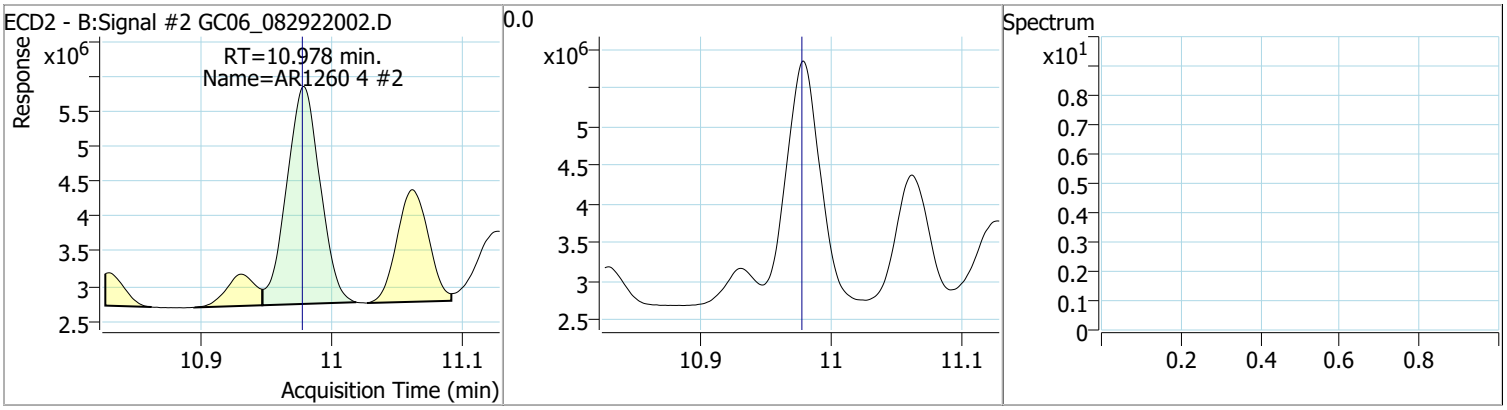
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	478.4480	10.48	0.00	11200568				



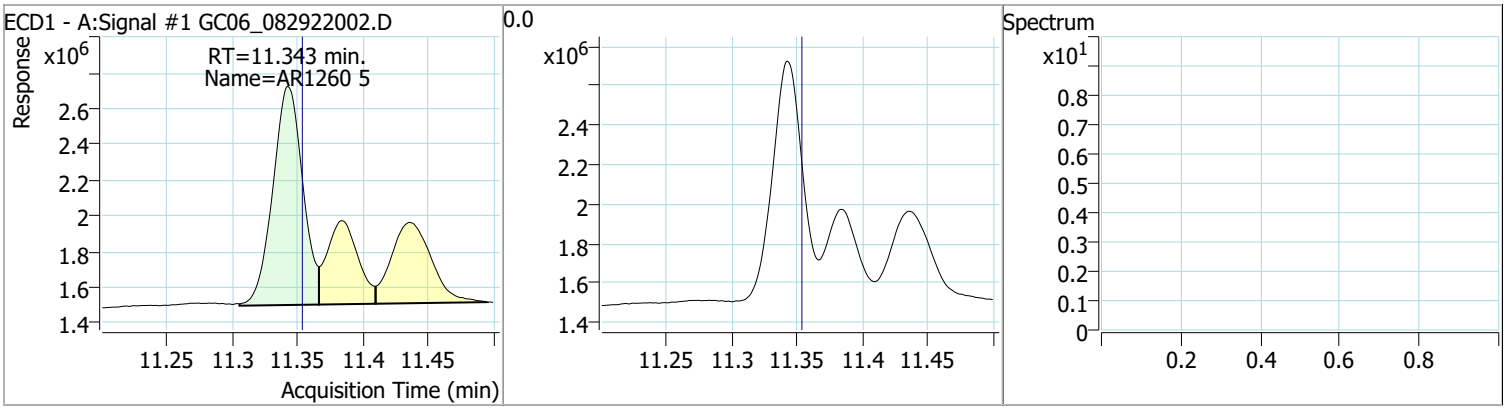
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	436.6487	10.61	0.00	1544442				



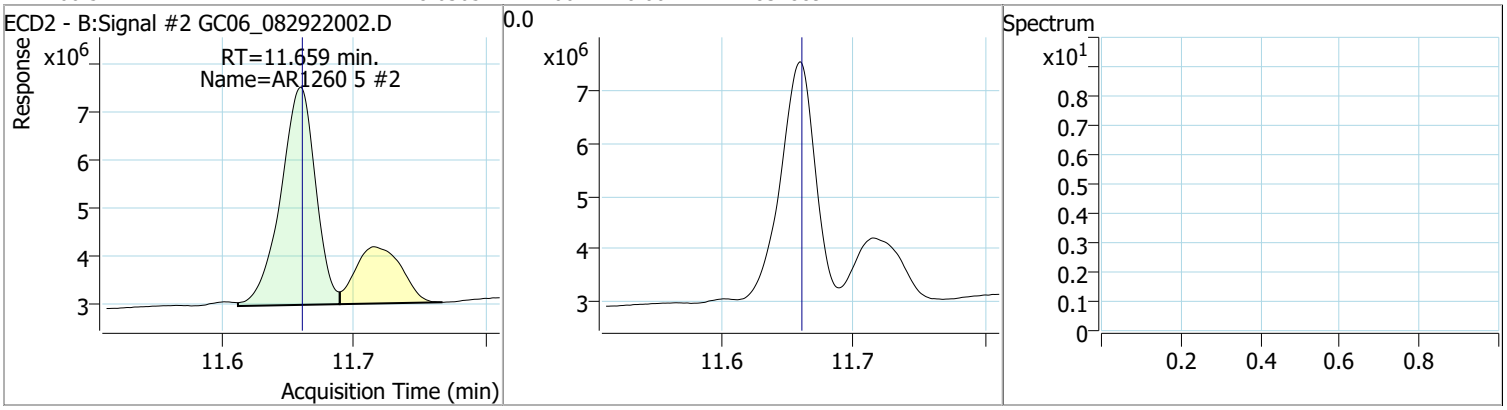
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	433.0938	10.98	0.00	5486288				



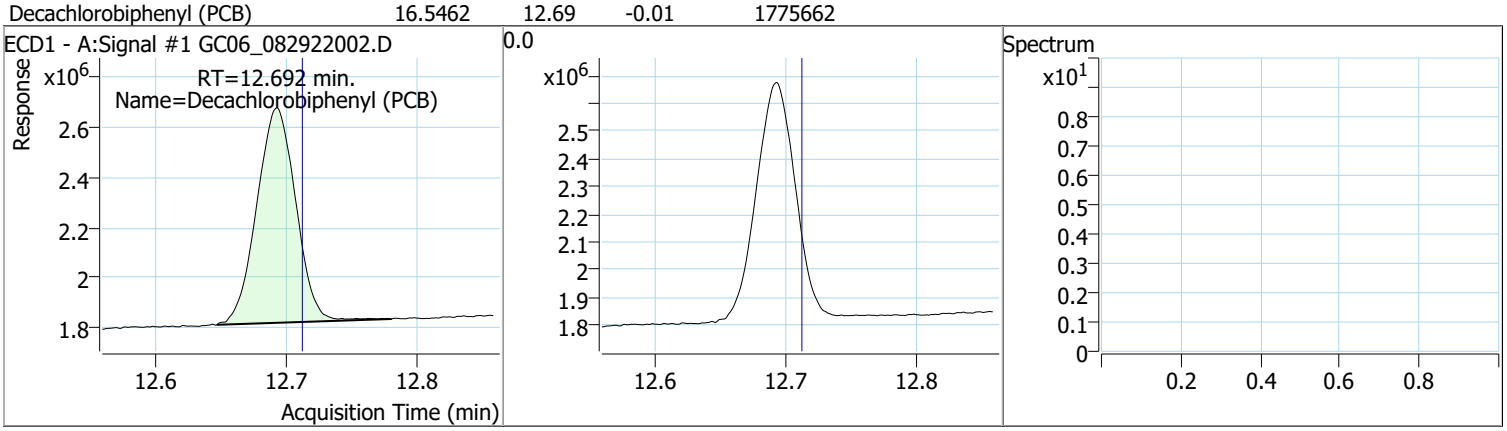
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	416.7794	11.34	-0.01	1951102				



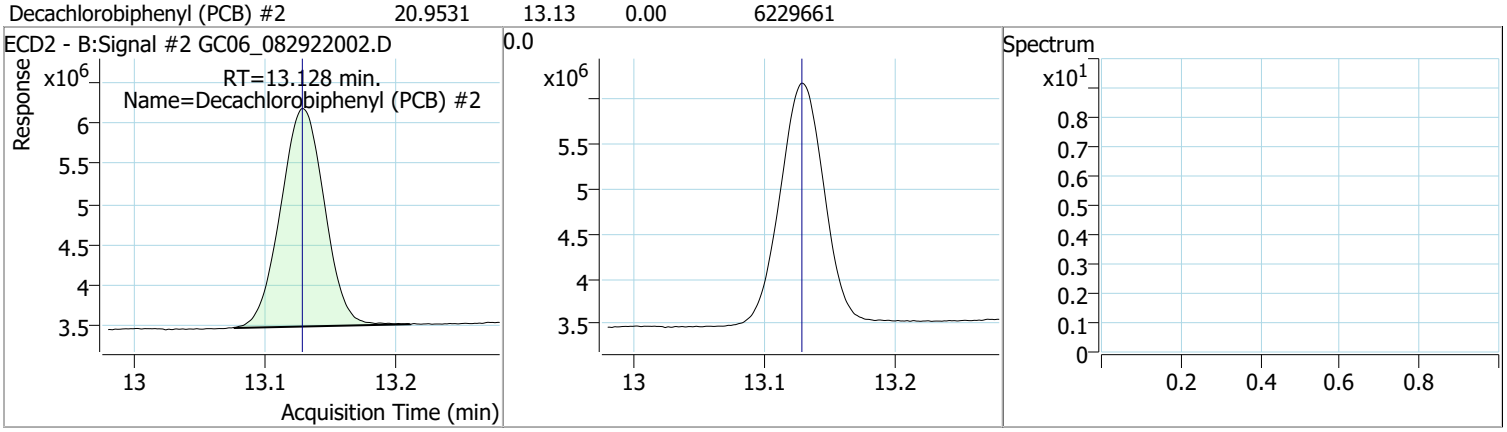
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	448.6365	11.66	0.00	8378897				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	16.5462	12.69	-0.01	1775662				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	20.9531	13.13	0.00	6229661				



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 467872
Report Level: IV
Report Date: 01/21/2023

Metals

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	467872
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/23/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.1GE-DG-4 TO 17-220823-L-LA	467872-002	08/23/22 09:55	Wipe
DOOR-N-0.3GE-EXT-3 TO 4-220823-L-CB	467872-004	08/23/22 10:25	Wipe
DOOR-N-0.4GE-INT-17 TO 18-220823-L-CB	467872-006	08/23/22 10:12	Wipe
DOOR-N-0.5GE-DG-4 TO 17-220823-L-LA	467872-009	08/23/22 09:59	Wipe
DOOR-N-0.1GE-PS-17-220823-L-G	467872-011	08/23/22 10:10	Wipe
DOOR-N-0.2GE-DG-3 TO 16-220823-L-LA	467872-013	08/23/22 10:55	Wipe
DOOR-N-0.2GE-INT-1 TO 16-220823-L-CB	467872-015	08/23/22 11:53	Wipe
DOOR-N-0.3GE-INT-16 TO 17-220823-L-CB	467872-017	08/23/22 12:05	Wipe
DOOR-N-0.3GE-DG-2 TO 16-220823-L-LA	467872-019	08/23/22 12:15	Wipe
DOOR-N-0.4GE-DG-3 TO 17-220823-L-LA	467872-021	08/23/22 10:53	Wipe
DOOR-N-0.4GE-EXT-2 TO 3-220823-L-CB	467872-023	08/23/22 12:20	Wipe
DOOR-N-0.5GE-PS-17-220823-L-G	467872-025	08/23/22 10:42	Wipe
DOOR-N-0.5GE-INT-16 TO 17-220823-L-CB	467872-027	08/23/22 11:25	Wipe
DOOR-N-0.5GE-INT-16 TO 17-220823-L-DUP-CB	467872-028	08/23/22 11:25	Wipe

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker Rincon Consultants 449 15th Street #303 Oakland, CA 94612		Lab Job #: Project No: Location: Date Received:	467872 20-10491 Hangar 1 NTCRA 08/23/22

Sample ID	Lab ID	Collected	Matrix
AFRAME-C1E-MED-L1-HS-3-220823-L-A	467872-030	08/23/22 11:20	Wipe
AFRAME-C1E-LAT-L1-EXT-0 TO 1-220823-L-WF	467872-032	08/23/22 11:40	Wipe
DOOR-N-0.4GE-DG-3 TO 16-220823-L-LA	467872-035	08/23/22 11:50	Wipe
DOOR-N-0.3GE-PS-17-220823-L-G	467872-038	08/23/22 11:02	Wipe
DOOR-N-0.1GE-DG-2 TO 16-220823-L-LA	467872-040	08/23/22 11:10	Wipe
DOOR-N-0.2GE-EXT-3 TO 4-220823-L-CB	467872-042	08/23/22 10:25	Wipe
DOOR-N-0.2GE-EXT-3 TO 4-220823-L-DUP-CB	467872-043	08/23/22 10:25	Wipe
220823-L-MEDBLANK1	467872-045	08/23/22 09:50	Wipe
220823-L-MEDBLANK2	467872-047	08/23/22 09:53	Wipe
DOOR-N-0.1GE-EXT-2 TO 3-220823-L-CB	467872-049	08/23/22 10:45	Wipe

ENTHALPY ANALYTICAL

Case Narrative

METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 467872 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 08/23/22

This data package contains sample and QC results for twenty four wipe samples, requested for the above referenced project on 08/24/22. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

467872

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 4

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
1	DOOR-N-0.1GE-DG-4 TO 17-220823-P- LA	8/23/2022	0955	WP	1		X		
2	DOOR-N-0.1GE-DG-4 TO 17-220823-L- LA	8/23/2022	0955	WP	1			X	
3	DOOR-N-0.3GE-EXT-3 TO 4-220823-P- CB	8/23/2022	1025	WP	1		X		
4	DOOR-N-0.3GE-EXT-3 TO 4-220823-L- CB	8/23/2022	1025	WP	1			X	
5	DOOR-N-0.4GE-INT-17 TO 18-22023-P- CB	8/23/2022	1012	WP	1		X		
6	DOOR-N-0.4GE-INT-17 TO 18-220823-L- CB	8/23/2022	1012	WP	1			X	
7	DOOR-N-0.5GE-DG-4 TO 17-220823-P- LA	8/23/2022	0959	WP	1		X		
8	DOOR-N-0.5GE-DG-4 TO 17-220823-P-DUP- LA	8/23/2022	0959	WP	1		X		
9	DOOR-N-0.5GE-DG-4 TO 17-220823-L- LA	8/23/2022	0959	WP	1			X	
10	DOOR-N-0.1GE-PS-17-220823-P- G	8/23/2022	1010	WP	1		X		
11	DOOR-N-0.1GE-PS-17-220823-L- G	8/23/2022	1010	WP	1			X	
12	~~DOOR-N-0.1GE-INT-16 TO 17-220823-P~~	~~8/23/2022~~		WP	1		X		
13	~~DOOR-N-0.1GE-INT-16 TO 17-220823-L~~	~~8/23/2022~~		WP	1			X	
14	DOOR-N-0.2GE-DG-3 TO 16-220823-P- LA	8/23/2022	1055	WP	1		X		
15	DOOR-N-0.2GE-DG-3 TO 16-220823-L- LA	8/23/2022	1055	WP	1			X	

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure A

2x Rivet Type 1 = 0.0276 ft² added area

2x Rivet Type 1 = 0.0276 ft² added area

8x Rivet Type 2 and 3x Rivet Type 1 = 0.1214 ft² added area

TS

TS

2x Rivet Type 1 = 0.0276 ft² added area

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	T Sinnott	Tyler Sinnott	Rincon / Envi. Scientist	8/23/22 / 1429
1 Received By:	Audrey Hudson	Audrey Hudson	ENTHALPY	8/23/22 14:39
2 Relinquished By:	Audrey Hudson			8/23/22 15:55
2 Received By:		Maureen Vine	BA	8/23/22 15:55
3 Relinquished By:		Maureen Vine	BA	8/23/22 17:22
3 Received By:		Yam		8/24/2022 08:25

467872

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 2 of 4

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
16	DOOR-N-0.2GE-~~EXT~~-INT-1 TO 16-220823-P- CB	8/23/2022	1153	WP	1		X			
17	DOOR-N-0.2GE-~~EXT~~-INT-1 TO 16-220823-L- CB	8/23/2022	1153	WP	1			X		2x ~~Rivet Type 1 = 0.0276 ft²~~ TS added area
18	DOOR-N-0.3GE-INT-16 TO 17-220823-P- CB	8/23/2022	1205	WP	1		X			
19	DOOR-N-0.3GE-INT-16 TO 17-220823-L- CB	8/23/2022	1205	WP	1			X		
20	DOOR-N-0.3GE-DG-2 TO 16-220823-P- LA	8/23/2022	1215	WP	1		X			
21	DOOR-N-0.3GE-DG-2 TO 16-220823-L- LA	8/23/2022	1215	WP	1			X		2x Rivet Type 1 = 0.0276 ft² added area
22	DOOR-N-0.4GE-DG-3 TO 17-220823-P- LA	8/23/2022	1053	WP	1		X			
23	DOOR-N-0.4GE-DG-3 TO 17-220823-L- LA	8/23/2022	1053	WP	1			X		2x Rivet Type 1 = 0.0276 ft² added area
24	DOOR-N-0.4GE-EXT-2 TO 3-220823-P- CB	8/23/2022	1220	WP	1		X			
25	DOOR-N-0.4GE-EXT-2 TO 3-220823-L- CB	8/23/2022	1220	WP	1			X		
26	DOOR-N-0.5GE-PS-17-220823-P- G	8/23/2022	1042	WP	1		X			
27	DOOR-N-0.5GE-PS-17-220823-L- G	8/23/2022	1042	WP	1			X		
28	DOOR-N-0.5GE-INT-16 TO 17-220823-P- CB	8/23/2022	1125	WP	1		X			
29	DOOR-N-0.5GE-INT-16 TO 17-220823-L- CB	8/23/2022	1125	WP	1			X		
30	DOOR-N-0.5GE-INT-16 TO 17-220823-L-DUP- CB	8/23/2022	1125	WP	1			X		

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	TKinott	Tyler Sinnott	Rincon / Envi. Scientist	8/23/22 1429
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY "	8/23/22 14:39
[2] Relinquished By:	Audrey Hudson	"	"	8/23/22 15:55
[2] Received By:		Maceewill Yip	BA	8/23/22 15:55
[3] Relinquished By:		Macewill Yip	BA	8/23/22 17:22
[3] Received By:		Yanitza	ER	8/24/22 08:35

467872

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 3 of 4

Turn Around Time (rush by advanced notice only)

Standard: | X (PCBs) | 5 Day: | | 3 Day: |

2 Day: | | 1 Day: | X (Pb) | Custom TAT: |

Enthalpy Analytical - Orange

931 W. 8arkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
31	AFRAME-C1E-MED-L1-HS-3-220823-P- A	8/23/2022	1120	WP	1		X			Confirmation Wipe Samples - Level IV Report/Stage 3 Validation Report PCB concentrations on a µg/100cm² basis Report lead concentrations on a µg/ft² basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 1 Enclosure A
32	AFRAME-C1E-MED-L1-HS-3-220823-L- A	8/23/2022	1120	WP	1			X		
33	AFRAME-C1E-LAT-L1-EXT-0 TO 1-220823-P- WF	8/23/2022	1140	WP	1		X			
34	AFRAME-C1E-LAT-L1-EXT-0 TO 1-220823-L- WF	8/23/2022	1140	WP	1			X		
35	DOOR-N-0.4GE-DG-3 TO 16-220823-P- LA	8/23/2022	1150	WP	1		X			
36	DOOR-N-0.4GE-DG-3 TO 16-220823-P-DUP- LA	8/23/2022	1150	WP	1		X			
37	DOOR-N-0.4GE-DG-3 TO 16-220823-L- LA	8/23/2022	1150	WP	1			X		2x Rivet Type 1 = 0.0276 ft² added area
38	DOOR-N-0.3GE-PS-17-220823-P- G	8/23/2022	1102	WP	1		X			
39	DOOR-N-0.3GE-PS-17-220823-P-DUP- G	8/23/2022	1102	WP	1		X			
40	DOOR-N-0.3GE-PS-17-220823-L- G	8/23/2022	1102	WP	1			X		6x Rivet Type 1 = 0.0828 ft² added area
41	DOOR-N-0.1GE-DG-2 TO 16-220823-P- LA	8/23/2022	1110	WP	1		X			
42	DOOR-N-0.1GE-DG-2 TO 16-220823-L- LA	8/23/2022	1110	WP	1			X		2x Rivet Type 1 = 0.0276 ft² added area
43	DOOR-N-0.2GE-EXT-3 TO 4-220823-P- CB	8/23/2022	1025	WP	1		X			
44	DOOR-N-0.2GE-EXT-3 TO 4-220823-L- CB	8/23/2022	1025	WP	1			X		
45	DOOR-N-0.2GE-EXT-3 TO 4-220823-L-DUP- CB	8/23/2022	1025	WP	1			X		

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	T Kinott	Tyler Sinnott	Rincon / Envi. Scientist	8/23/22 / 1429
[1] Received By:	Audrey Hudson	Audrey Hudson	ENTHALPY	8/23/22 14:39
[2] Relinquished By:	Audrey Hudson	"	"	8/23/22 15:55
[2] Received By:		Macevoill Y.P	BA	8/23/22 15:55
[3] Relinquished By:		Macevoill Y.P	BA	8/23/22 17:27
[3] Received By:		yamith	EA	8/24/2022 08:35

467872

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 4 of 4

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

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Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 S = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
46	220823-P-MEDBLANK	8/23/2022	0950	WP	1		X		
47	220823-L-MEDBLANK	8/23/2022	0950	WP	1			X	
48	220823-P-MEDBLANK	8/23/2022	0953	WP	1		X		
49	220823-L-MEDBLANK	8/23/2022	0953	WP	1			X	
50	DOOR-N-0.1GE-EXT-2TO3-220823-P-CB	8/23/22	1045	WP	1		X		
51	DOOR-N-0.1GE-EXT-2TO3-220823-LCB	8/23/22	1045	WP	1			X	
22									
23									
24									
25									
26									
27									
28									
29									
30									

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure A

Collected from High Occupancy zone of Hanagar

Collected from High Occupancy zone of Hanagar

Collected from High Occupancy zone of Hanagar

Collected from High Occupancy zone of Hanagar

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TKnight	Tyler Sinnott	Rincon / Envi. Scientist	8/23/22 / 1429
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	8/23/22 14:39
2 Relinquished By:	Audrey Hudson	"	"	8/23/22 15:55
2 Received By:				8/23/22 15:55
3 Relinquished By:				8/23/22 17:22
3 Received By:				8/24/22 08:3

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 467872 Client: Kaneon

Date Received: 8/23/22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No (**skip Section 3 below**)

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☑ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 8/23/22 By (print) MM (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☑ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☑ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 8/23/22 **By (print)** MM **(sign)** _____

Date Labeled 8/23/22 **By (print)** MM **(sign)** _____

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants, Inc Project: Hangar 1 - NCTRA WP / 158 Cody Road, Mountain View, CA

Date Received: 8/24/2022 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 2.5 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: Greyhound

Section 3

Was the cooler packed with: ☐ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.5 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yanira Date: 8/24/2022

5/2.5

c/0.5

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 467872 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.1GE-DG-4 TO 17-220823-L-LA **Batch#:** 295614 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 6010B
Lab ID: 467872-002 **Received:** 08/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/24/22
Dil n Fac: 1.000 **Analyzed:** 08/24/22

467872-002 Analyte	Result	RL	Units
Lead	**48**	0.49	ug/ft2

Field ID: DOOR-N-0.3GE-EXT-3 TO 4-220823-L-CB **Batch#:** 295614 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 6010B
Lab ID: 467872-004 **Received:** 08/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/24/22
Dil n Fac: 1.000 **Analyzed:** 08/24/22

467872-004 Analyte	Result	RL	Units
Lead	**52**	0.50	ug/ft2

Field ID: DOOR-N-0.4GE-INT-17 TO 18-220823-L-CB **Batch#:** 295614 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 6010B
Lab ID: 467872-006 **Received:** 08/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/24/22
Dil n Fac: 1.000 **Analyzed:** 08/24/22

467872-006 Analyte	Result	RL	Units
Lead	**11**	0.50	ug/ft2

Field ID: DOOR-N-0.5GE-DG-4 TO 17-220823-L-LA **Batch#:** 295614 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 6010B
Lab ID: 467872-009 **Received:** 08/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/24/22
Dil n Fac: 1.000 **Analyzed:** 08/24/22

467872-009 Analyte	Result	RL	Units
Lead	**53**	0.49	ug/ft2

Field ID: DOOR-N-0.1GE-PS-17-220823-L-G **Batch#:** 295614 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 6010B
Lab ID: 467872-011 **Received:** 08/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/24/22
Dil n Fac: 1.000 **Analyzed:** 08/24/22

467872-011 Analyte	Result	RL	Units
Lead	**19**	0.45	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 467872 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.2GE-DG-3 TO 16-220823-L-LA **Batch#:** 295614 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 6010B
Lab ID: 467872-013 **Received:** 08/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/24/22
Dln Fac: 1.000 **Analyzed:** 08/24/22

467872-013 Analyte	Result	RL	Units
Lead	**100**	0.49	ug/ft2

Field ID: DOOR-N-0.2GE-INT-1 TO 16-220823-L-CB **Batch#:** 295614 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 6010B
Lab ID: 467872-015 **Received:** 08/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/24/22
Dln Fac: 1.000 **Analyzed:** 08/24/22

467872-015 Analyte	Result	RL	Units
Lead	**45**	0.50	ug/ft2

Field ID: DOOR-N-0.3GE-INT-16 TO 17-220823-L-CB **Batch#:** 295614 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 6010B
Lab ID: 467872-017 **Received:** 08/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/24/22
Dln Fac: 1.000 **Analyzed:** 08/24/22

467872-017 Analyte	Result	RL	Units
Lead	**26**	0.50	ug/ft2

Field ID: DOOR-N-0.3GE-DG-2 TO 16-220823-L-LA **Batch#:** 295614 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 6010B
Lab ID: 467872-019 **Received:** 08/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/24/22
Dln Fac: 1.000 **Analyzed:** 08/24/22

467872-019 Analyte	Result	RL	Units
Lead	**200**	0.49	ug/ft2

Field ID: DOOR-N-0.4GE-DG-3 TO 17-220823-L-LA **Batch#:** 295614 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 6010B
Lab ID: 467872-021 **Received:** 08/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/24/22
Dln Fac: 1.000 **Analyzed:** 08/24/22

467872-021 Analyte	Result	RL	Units
Lead	**29**	0.49	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 467872 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.4GE-EXT-2 TO 3-220823-L-CB **Batch#:** 295614 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 6010B
Lab ID: 467872-023 **Received:** 08/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/24/22
Diln Fac: 1.000 **Analyzed:** 08/24/22

467872-023 Analyte	Result	RL	Units
Lead	**44**	0.50	ug/ft2

Field ID: DOOR-N-0.5GE-PS-17-220823-L-G **Batch#:** 295614 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 6010B
Lab ID: 467872-025 **Received:** 08/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/24/22
Diln Fac: 1.000 **Analyzed:** 08/24/22

467872-025 Analyte	Result	RL	Units
Lead	**20**	0.50	ug/ft2

Field ID: DOOR-N-0.5GE-INT-16 TO 17-220823-L-CB **Batch#:** 295614 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 6010B
Lab ID: 467872-027 **Received:** 08/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/24/22
Diln Fac: 1.000 **Analyzed:** 08/25/22

467872-027 Analyte	Result	RL	Units
Lead	**14**	0.50	ug/ft2

Field ID: DOOR-N-0.5GE-INT-16 TO 17-220823-L-DUP-CB **Batch#:** 295614 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 6010B
Lab ID: 467872-028 **Received:** 08/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/24/22
Diln Fac: 1.000 **Analyzed:** 08/25/22

467872-028 Analyte	Result	RL	Units
Lead	**23**	0.50	ug/ft2

Field ID: AFRAME-C1E-MED-L1-HS-3-220823-L-A **Batch#:** 295614 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 6010B
Lab ID: 467872-030 **Received:** 08/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/24/22
Diln Fac: 1.000 **Analyzed:** 08/25/22

467872-030 Analyte	Result	RL	Units
Lead	**71**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 467872 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C1E-LAT-L1-EXT-0 TO 1-220823-L-WF **Batch#:** 295614 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 6010B
Lab ID: 467872-032 **Received:** 08/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/24/22
Diln Fac: 1.000 **Analyzed:** 08/25/22

467872-032 Analyte	Result	RL	Units
Lead	**250**	0.50	ug/ft2

Field ID: DOOR-N-0.4GE-DG-3 TO 16-220823-L-LA **Batch#:** 295614 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 6010B
Lab ID: 467872-035 **Received:** 08/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/24/22
Diln Fac: 1.000 **Analyzed:** 08/25/22

467872-035 Analyte	Result	RL	Units
Lead	**61**	0.49	ug/ft2

Field ID: DOOR-N-0.3GE-PS-17-220823-L-G **Batch#:** 295614 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 6010B
Lab ID: 467872-038 **Received:** 08/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/24/22
Diln Fac: 1.000 **Analyzed:** 08/25/22

467872-038 Analyte	Result	RL	Units
Lead	**55**	0.46	ug/ft2

Field ID: DOOR-N-0.1GE-DG-2 TO 16-220823-L-LA **Batch#:** 295614 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 6010B
Lab ID: 467872-040 **Received:** 08/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/24/22
Diln Fac: 1.000 **Analyzed:** 08/25/22

467872-040 Analyte	Result	RL	Units
Lead	**82**	0.49	ug/ft2

Field ID: DOOR-N-0.2GE-EXT-3 TO 4-220823-L-CB **Batch#:** 295614 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 6010B
Lab ID: 467872-042 **Received:** 08/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/24/22
Diln Fac: 1.000 **Analyzed:** 08/25/22

467872-042 Analyte	Result	RL	Units
Lead	**58**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 467872 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.2GE-EXT-3 TO 4-220823-L-DUP-CB **Batch#:** 295615 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 6010B
Lab ID: 467872-043 **Received:** 08/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/24/22
Diln Fac: 1.000 **Analyzed:** 08/25/22

467872-043 Analyte	Result	RL	Units
Lead	**120**	0.50	ug/ft2

Field ID: 220823-L-MEDBLANK1 **Batch#:** 295615 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 6010B
Lab ID: 467872-045 **Received:** 08/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/24/22
Diln Fac: 1.000 **Analyzed:** 08/25/22

467872-045 Analyte	Result	RL	Units
Lead	**2.8**	0.50	ug/ft2

Field ID: 220823-L-MEDBLANK2 **Batch#:** 295615 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 6010B
Lab ID: 467872-047 **Received:** 08/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/24/22
Diln Fac: 1.000 **Analyzed:** 08/25/22

467872-047 Analyte	Result	RL	Units
Lead	**2.1**	0.50	ug/ft2

Field ID: DOOR-N-0.1GE-EXT-2 TO 3-220823-L-CB **Batch#:** 295615 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 6010B
Lab ID: 467872-049 **Received:** 08/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/24/22
Diln Fac: 1.000 **Analyzed:** 08/25/22

467872-049 Analyte	Result	RL	Units
Lead	**110**	0.50	ug/ft2

Type: BLANK **Batch#:** 295614 **Analysis:** EPA 6010B
Lab ID: QC1008425 **Prepared:** 08/24/22 **Analyst:** KLN
Matrix: Wipe **Analyzed:** 08/24/22
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1008425 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 467872 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type:	BLANK	**Batch#:**	295615	**Analysis:**	EPA 6010B
Lab ID:	QC1008428	**Prepared:**	08/24/22	**Analyst:**	KLN
Matrix:	Wipe	**Analyzed:**	08/25/22		
DiIn Fac:	1.000	**Prep:**	EPA 3050B		

QC1008428 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 467872 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295614 **Analysis:** EPA 6010B
Lab ID: QC1008426 **Prepared:** 08/24/22 **Analyst:** KLN
Matrix: Wipe **Analyzed:** 08/24/22
Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1008426 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	100.9	101	80-120	ug/ft2

Type: BS **Batch#:** 295615 **Analysis:** EPA 6010B
Lab ID: QC1008429 **Prepared:** 08/24/22 **Analyst:** KLN
Matrix: Wipe **Analyzed:** 08/25/22
Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1008429 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	98.00	98	80-120	ug/ft2

Type: BSD **Batch#:** 295614 **Analysis:** EPA 6010B
Lab ID: QC1008427 **Prepared:** 08/24/22 **Analyst:** KLN
Matrix: Wipe **Analyzed:** 08/24/22
Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1008427 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	100.4	100	80-120	ug/ft2	0	20

Type: BSD **Batch#:** 295615 **Analysis:** EPA 6010B
Lab ID: QC1008430 **Prepared:** 08/24/22 **Analyst:** KLN
Matrix: Wipe **Analyzed:** 08/25/22
Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1008430 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	100.6	101	80-120	ug/ft2	3	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 467872 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB	
467872-002	MET06	08/24/22 23:14	1.0	+	
467872-004	MET06	08/24/22 23:18	1.0	+	
467872-006	MET06	08/24/22 23:21	1.0	+	
467872-009	MET06	08/24/22 23:24	1.0	+	
467872-011	MET06	08/24/22 23:27	1.0	+	
467872-013	MET06	08/24/22 23:31	1.0	+	
467872-015	MET06	08/24/22 23:34	1.0	+	
467872-017	MET06	08/24/22 23:37	1.0	+	
467872-019	MET06	08/24/22 23:40	1.0	+	
467872-021	MET06	08/24/22 23:44	1.0	+	
467872-023	MET06	08/24/22 23:53	1.0	+	
467872-025	MET06	08/24/22 23:57	1.0	+	
467872-027	MET06	08/25/22 00:00	1.0	+	
467872-028	MET06	08/25/22 00:03	1.0	+	
467872-030	MET06	08/25/22 00:06	1.0	+	
467872-032	MET06	08/25/22 00:10	1.0	+	
467872-035	MET06	08/25/22 00:13	1.0	+	
467872-038	MET06	08/25/22 00:16	1.0	+	
467872-040	MET06	08/25/22 00:19	1.0	+	
467872-042	MET06	08/25/22 00:23	1.0	+	
467872-043	MET06	08/25/22 00:42	1.0	+	
467872-045	MET06	08/25/22 00:45	1.0	+	
467872-047	MET06	08/25/22 00:49	1.0	+	
467872-049	MET06	08/25/22 00:52	1.0	+	
QC1008425	MET06	08/24/22 22:58	1.0	+	
QC1008426	MET06	08/24/22 23:01	1.0	+	
QC1008427	MET06	08/24/22 23:05	1.0	+	

REPORTING SUMMARY FOR 467872 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB	
QC1008428	MET06	08/25/22 00:32	1.0	+	
QC1008429	MET06	08/25/22 00:36	1.0	+	
QC1008430	MET06	08/25/22 00:39	1.0	+	

Enthalpy Sequence Summary for Sequence 482341021

Instrument : MET06 Begun : 08/24/22 19:41
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			08/24/22 19:41	1.0	1	
002	met06_master	ICAL	L1			08/24/22 19:45	1.0	2 1	
003	met06_master	ICAL	L2			08/24/22 19:48	1.0	3 1	
004	met06_master	ICAL	L3			08/24/22 19:51	1.0	4 1	
005	met06_master	ICAL	L4			08/24/22 19:55	1.0	5 1	
006	met06_master	ICAL	L5			08/24/22 19:58	1.0	6 1	
007	met06_master	ICAL	L6			08/24/22 20:01	1.0	7 1	
008	met06_master	ICAL	L7			08/24/22 20:04	1.0	8 1	
009	met06_master	ICAL	L8			08/24/22 20:08	1.0	9 1	
010	met06_master	ICV				08/24/22 20:11	1.0	10 1	
011	met06_master	CRI				08/24/22 20:14	1.0	11 1	
012	met06_master	ICB				08/24/22 20:18	1.0	1	
013	met06_master	ICSA				08/24/22 20:21	1.0	12 1	4:MGASMGCO3=1400
014	met06_master	ICSAB				08/24/22 20:24	1.0	13 1	4:MGASMGCO3=1400
015	met06_master	XBLANK	QC1008425	Wipe	295614	08/24/22 20:27	1.0	1	
016	met06_master	XBS	QC1008426	Wipe	295614	08/24/22 20:31	1.0	1	
017	met06_master	XBSD	QC1008427	Wipe	295614	08/24/22 20:34	1.0	1	
018	met06_master	XSAMPLE	467872-002	Wipe	295614	08/24/22 20:37	1.0	1	
019	met06_master	XSAMPLE	467872-004	Wipe	295614	08/24/22 20:40	1.0	1	
020	met06_master	XSAMPLE	467872-006	Wipe	295614	08/24/22 20:44	1.0	1	
021	met06_master	XSAMPLE	467872-009	Wipe	295614	08/24/22 20:47	1.0	1	
022	met06_master	XSAMPLE	467872-011	Wipe	295614	08/24/22 20:50	1.0	1	
023	met06_master	XSAMPLE	467872-013	Wipe	295614	08/24/22 20:53	1.0	1	
024	met06_master	XSAMPLE	467872-015	Wipe	295614	08/24/22 20:57	1.0	1	
025	met06_master	CCV				08/24/22 21:00	1.0	10 1	
026	met06_master	CCB				08/24/22 21:03	1.0	1	
027	met06_master	XUNKNOWN	IB			08/24/22 21:07	1.0	1	
028	met06_master	XSAMPLE	467872-017	Wipe	295614	08/24/22 21:10	1.0	1	
029	met06_master	XSAMPLE	467872-019	Wipe	295614	08/24/22 21:13	1.0	1	
030	met06_master	BLANK	QC1008191	Soil	295521	08/24/22 21:18	1.0	1	
031	met06_master	LCS	QC1008192	Soil	295521	08/24/22 21:21	1.0	1	
032	met06_master	MSS	467750-001	Soil	295521	08/24/22 21:24	1.0	1	3:FEASFE2O3=230
033	met06_master	MS	QC1008193	Soil	295521	08/24/22 21:27	1.0	1	3:FEASFE2O3=270
034	met06_master	MSD	QC1008194	Soil	295521	08/24/22 21:31	1.0	1	3:ALASAL2O3=300
035	met06_master	PDS	QC1008195	Soil	295521	08/24/22 21:34	1.0	1	
036	met06_master	SAMPLE	467759-001	Soil	295521	08/24/22 21:37	1.0	1	1:FE=170
037	met06_master	BLANK	QC1008326	Soil	295580	08/24/22 21:40	1.0	1	
038	met06_master	LCS	QC1008327	Soil	295580	08/24/22 21:44	1.0	1	
039	met06_master	SAMPLE	467722-005	Soil	295580	08/24/22 21:47	1.0	1	
040	met06_master	CCV				08/24/22 21:50	1.0	10 1	
041	met06_master	CCB				08/24/22 21:53	1.0	1	
042	met06_master	SAMPLE	467736-005	Soil	295580	08/24/22 21:57	1.0	1	1:FE=280
043	met06_master	SAMPLE	467765-002	Soil	295580	08/24/22 22:00	1.0	1	2:FE=410
044	met06_master	SAMPLE	467765-004	Soil	295580	08/24/22 22:03	1.0	1	2:FE=460
045	met06_master	SAMPLE	467765-006	Soil	295580	08/24/22 22:06	1.0	1	3:FE=430
046	met06_master	SAMPLE	467765-008	Soil	295580	08/24/22 22:09	1.0	1	2:FE=380
047	met06_master	MSS	467783-018	Soil	295580	08/24/22 22:13	1.0	1	2:FEASFE2O3=210
048	met06_master	MS	QC1008328	Soil	295580	08/24/22 22:16	1.0	1	4:FEASFE2O3=230
049	met06_master	MSD	QC1008329	Soil	295580	08/24/22 22:19	1.0	1	4:FEASFE2O3=230
050	met06_master	PDS	QC1008458	Soil	295580	08/24/22 22:22	1.0	1	
051	met06_master	SAMPLE	467783-019	Soil	295580	08/24/22 22:26	1.0	1	
052	met06_master	CCV				08/24/22 22:29	1.0	10 1	

Enthalpy Sequence Summary for Sequence 482341021

Instrument : MET06 Begun : 08/24/22 19:41
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	CCB				08/24/22 22:32	1.0	1	
054	met06_master	SAMPLE	467783-020	Soil	295580	08/24/22 22:35	1.0	1	1:FE=240
055	met06_master	SAMPLE	467783-021	Soil	295580	08/24/22 22:39	1.0	1	3:FE=440
056	met06_master	SAMPLE	467825-002	Soil	295580	08/24/22 22:42	1.0	1	
057	met06_master	SAMPLE	467825-005	Soil	295580	08/24/22 22:45	1.0	1	
058	met06_master	SAMPLE	467825-008	Soil	295580	08/24/22 22:48	1.0	1	
059	met06_master	SAMPLE	467825-013	Soil	295580	08/24/22 22:52	1.0	1	
060	met06_master	SAMPLE	467825-015	Soil	295580	08/24/22 22:55	1.0	1	
061	met06_master	BLANK	QC1008425	Wipe	295614	08/24/22 22:58	1.0	1	
062	met06_master	BS	QC1008426	Wipe	295614	08/24/22 23:01	1.0	1	
063	met06_master	BSD	QC1008427	Wipe	295614	08/24/22 23:05	1.0	1	
064	met06_master	CCV				08/24/22 23:08	1.0	10 1	
065	met06_master	CCB				08/24/22 23:11	1.0	1	
066	met06_master	SAMPLE	467872-002	Wipe	295614	08/24/22 23:14	1.0	1	
067	met06_master	SAMPLE	467872-004	Wipe	295614	08/24/22 23:18	1.0	1	
068	met06_master	SAMPLE	467872-006	Wipe	295614	08/24/22 23:21	1.0	1	
069	met06_master	SAMPLE	467872-009	Wipe	295614	08/24/22 23:24	1.0	1	1:ZN=140
070	met06_master	SAMPLE	467872-011	Wipe	295614	08/24/22 23:27	1.0	1	
071	met06_master	SAMPLE	467872-013	Wipe	295614	08/24/22 23:31	1.0	1	
072	met06_master	SAMPLE	467872-015	Wipe	295614	08/24/22 23:34	1.0	1	
073	met06_master	SAMPLE	467872-017	Wipe	295614	08/24/22 23:37	1.0	1	
074	met06_master	SAMPLE	467872-019	Wipe	295614	08/24/22 23:40	1.0	1	
075	met06_master	SAMPLE	467872-021	Wipe	295614	08/24/22 23:44	1.0	1	1:ZN=56
076	met06_master	CCV				08/24/22 23:47	1.0	10 1	
077	met06_master	CCB				08/24/22 23:50	1.0	1	
078	met06_master	SAMPLE	467872-023	Wipe	295614	08/24/22 23:53	1.0	1	
079	met06_master	SAMPLE	467872-025	Wipe	295614	08/24/22 23:57	1.0	1	
080	met06_master	SAMPLE	467872-027	Wipe	295614	08/25/22 00:00	1.0	1	
081	met06_master	SAMPLE	467872-028	Wipe	295614	08/25/22 00:03	1.0	1	
082	met06_master	SAMPLE	467872-030	Wipe	295614	08/25/22 00:06	1.0	1	
083	met06_master	SAMPLE	467872-032	Wipe	295614	08/25/22 00:10	1.0	1	
084	met06_master	SAMPLE	467872-035	Wipe	295614	08/25/22 00:13	1.0	1	
085	met06_master	SAMPLE	467872-038	Wipe	295614	08/25/22 00:16	1.0	1	
086	met06_master	SAMPLE	467872-040	Wipe	295614	08/25/22 00:19	1.0	1	
087	met06_master	SAMPLE	467872-042	Wipe	295614	08/25/22 00:23	1.0	1	
088	met06_master	CCV				08/25/22 00:26	1.0	10 1	
089	met06_master	CCB				08/25/22 00:29	1.0	1	
090	met06_master	BLANK	QC1008428	Wipe	295615	08/25/22 00:32	1.0	1	
091	met06_master	BS	QC1008429	Wipe	295615	08/25/22 00:36	1.0	1	
092	met06_master	BSD	QC1008430	Wipe	295615	08/25/22 00:39	1.0	1	
093	met06_master	SAMPLE	467872-043	Wipe	295615	08/25/22 00:42	1.0	1	
094	met06_master	SAMPLE	467872-045	Wipe	295615	08/25/22 00:45	1.0	1	
095	met06_master	SAMPLE	467872-047	Wipe	295615	08/25/22 00:49	1.0	1	
096	met06_master	SAMPLE	467872-049	Wipe	295615	08/25/22 00:52	1.0	1	
097	met06_master	BLANK	QC1008400	Soil	295606	08/25/22 00:55	1.0	1	
098	met06_master	LCS	QC1008401	Soil	295606	08/25/22 00:58	1.0	1	
099	met06_master	MSS	467440-001	Miscell.	295606	08/25/22 01:02	1.0	1	
100	met06_master	CCV				08/25/22 01:05	1.0	10 1	
101	met06_master	CCB				08/25/22 01:08	1.0	1	
102	met06_master	MS	QC1008402	Soil	295606	08/25/22 01:11	1.0	1	
103	met06_master	MSD	QC1008403	Soil	295606	08/25/22 01:15	1.0	1	
104	met06_master	PDS	QC1008404	Soil	295606	08/25/22 01:18	1.0	1	

Enthalpy Sequence Summary for Sequence 482341021

Instrument : MET06 Begun : 08/24/22 19:41
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
105	met06_master	SAMPLE	467692-001	Soil	295606	08/25/22 01:21	1.0	1	
106	met06_master	BLANK	QC1008396	Water	295605	08/25/22 01:24	1.0	1	
107	met06_master	LCS	QC1008397	Water	295605	08/25/22 01:28	1.0	1	
108	met06_master	SAMPLE	467791-001	Water	295605	08/25/22 01:31	1.0	1	
109	met06_master	SAMPLE	467793-001	Water	295605	08/25/22 01:34	1.0	1	1:SULFUR=200
110	met06_master	SAMPLE	467822-001	Water	295605	08/25/22 01:37	1.0	1	1:SULFUR=460
111	met06_master	SAMPLE	467822-003	Water	295605	08/25/22 01:41	1.0	1	1:SULFUR=410
112	met06_master	CCV				08/25/22 01:44	1.0	10 1	
113	met06_master	CCB				08/25/22 01:47	1.0	1	
114	met06_master	SAMPLE	467824-001	Water	295605	08/25/22 01:50	1.0	1	
115	met06_master	MSS	467884-001	Water	295605	08/25/22 01:54	1.0	1	
116	met06_master	MS	QC1008398	Water	295605	08/25/22 01:57	1.0	1	
117	met06_master	MSD	QC1008399	Water	295605	08/25/22 02:00	1.0	1	
118	met06_master	BLANK	QC1008392	Water	295604	08/25/22 02:03	1.0	1	
119	met06_master	LCS	QC1008393	Water	295604	08/25/22 02:07	1.0	1	
120	met06_master	MSS	467671-001	Water	295604	08/25/22 02:10	1.0	1	
121	met06_master	MS	QC1008394	Water	295604	08/25/22 02:13	1.0	1	
122	met06_master	MSD	QC1008395	Water	295604	08/25/22 02:16	1.0	1	
123	met06_master	SAMPLE	467876-001	Water	295604	08/25/22 02:20	1.0	1	1:P=68
124	met06_master	CCV				08/25/22 02:23	1.0	10 1	
125	met06_master	CCB				08/25/22 02:26	1.0	1	
126	met06_master	SAMPLE	467878-001	Water	295604	08/25/22 02:29	1.0	1	
127	met06_master	BLANK	QC1008521	WET Leachate	295484	08/25/22 02:33	1.0	1	
128	met06_master	BS	QC1008522	WET Leachate	295484	08/25/22 02:36	1.0	1	
129	met06_master	BSD	QC1008523	WET Leachate	295484	08/25/22 02:39	1.0	1	
130	met06_master	SAMPLE	467406-001	WET Leachate	295484	08/25/22 02:42	1.0	1	
131	met06_master	SAMPLE	467745-001	WET Leachate	295484	08/25/22 02:46	1.0	1	
132	met06_master	BLANK	QC1008469	Water	295626	08/25/22 02:49	1.0	1	
133	met06_master	LCS	QC1008470	Water	295626	08/25/22 02:52	1.0	1	
134	met06_master	SAMPLE	467882-001	Water	295626	08/25/22 02:56	1.0	1	1:SULFUR=310
135	met06_master	SAMPLE	467882-002	Water	295626	08/25/22 02:59	1.0	1	1:SULFUR=180
136	met06_master	CCV				08/25/22 03:02	1.0	10 1	
137	met06_master	CCB				08/25/22 03:05	1.0	1	
138	met06_master	SAMPLE	467882-003	Water	295626	08/25/22 03:08	1.0	1	1:SULFUR=360
139	met06_master	CCV				08/25/22 03:12	1.0	10 1	
140	met06_master	CCB				08/25/22 03:15	1.0	1	
141	met06_master	SAMPLE	467882-004	Water	295626	08/25/22 03:18	1.0	1	2:NA=1100
142	met06_master	SAMPLE	467882-005	Water	295626	08/25/22 03:21	1.0	1	1:SULFUR=120
143	met06_master	SAMPLE	467882-006	Water	295626	08/25/22 03:25	1.0	1	1:SULFUR=230
144	met06_master	SAMPLE	467882-007	Water	295626	08/25/22 03:28	1.0	1	1:SULFUR=460
145	met06_master	SAMPLE	467882-008	Water	295626	08/25/22 03:31	1.0	1	1:SULFUR=430
146	met06_master	SAMPLE	467882-009	Water	295626	08/25/22 03:35	1.0	1	1:SULFUR=190
147	met06_master	MSS	467882-010	Water	295626	08/25/22 03:38	1.0	1	
148	met06_master	MS	QC1008471	Water	295626	08/25/22 03:41	1.0	1	
149	met06_master	MSD	QC1008472	Water	295626	08/25/22 03:44	1.0	1	
150	met06_master	CCV				08/25/22 03:48	1.0	10 1	
151	met06_master	CCB				08/25/22 03:51	1.0	1	

Standards used: 1=S13369 2=S17110 3=S17109 4=S17108 5=S17107 6=S16645 7=S17115 8=S17113 9=S17048 10=S17024 11=S16646 12=S16979 13=S17065

Enthalpy Internal Standard Summary for Sequence 482341021

Date : 08/24/22 Reference : met06_master
Sequence : MET06 08/24/22 Analyzed : 08/24/22 19:41

#	Type	Sample ID	Y H	Y A	Y R
		ICALBLK STD	19709800	1159560	417619
		LOWER LIMIT	5912940	347868	125286
		UPPER LIMIT	39419600	2319120	835238
012	ICB		20142000	1180480	420088
013	ICSA		18315700	1034250	378790
014	ICSAB		18340400	1040440	376471
025	CCV		18759300	1069610	386272
026	CCB		19687200	1145390	412374
030	BLANK	QC1008191	18915900	1074600	408944
031	LCS	QC1008192	18868100	1083750	408625
032	MSS	467750-001	19021800	1082160	401357
033	MS	QC1008193	18856900	1070030	401308
034	MSD	QC1008194	18908100	1063230	399642
036	SAMPLE	467759-001	18616900	1062270	396875
037	BLANK	QC1008326	19345400	1100150	409336
038	LCS	QC1008327	18935500	1079310	403169
039	SAMPLE	467722-005	19160700	1085210	399250
040	CCV		18652100	1060230	381188
041	CCB		19746900	1135650	410373
042	SAMPLE	467736-005	18500600	1029920	392383
043	SAMPLE	467765-002	18449600	1037720	384380
044	SAMPLE	467765-004	18690400	1043980	394159
045	SAMPLE	467765-006	18735800	1061380	393748
046	SAMPLE	467765-008	18704800	1045480	394121
047	MSS	467783-018	18815200	1059180	397080
048	MS	QC1008328	18795700	1059630	399026
049	MSD	QC1008329	18807400	1058530	396174
051	SAMPLE	467783-019	18843200	1064260	401124
052	CCV		18749300	1052120	387620
053	CCB		19676400	1124310	403563
054	SAMPLE	467783-020	18739600	1055950	397552
055	SAMPLE	467783-021	19451700	1090540	407464
056	SAMPLE	467825-002	18845600	1057320	399783
057	SAMPLE	467825-005	18961800	1058690	396767
058	SAMPLE	467825-008	18759500	1053500	399844
059	SAMPLE	467825-013	18747200	1050140	395531
060	SAMPLE	467825-015	18696800	1052710	397509
061	BLANK	QC1008425	18832800	1064260	407336
062	BS	QC1008426	18707000	1055460	399971
063	BSD	QC1008427	18738900	1053430	402816
064	CCV		18741500	1050210	384404
065	CCB		19681600	1119270	410672
066	SAMPLE	467872-002	18921500	1048660	406694
067	SAMPLE	467872-004	18824100	1053640	406556
068	SAMPLE	467872-006	18870800	1045750	402410
069	SAMPLE	467872-009	18977400	1056930	405317
070	SAMPLE	467872-011	18957300	1057310	404721
071	SAMPLE	467872-013	18907700	1046230	404424
072	SAMPLE	467872-015	18962000	1051200	406012
073	SAMPLE	467872-017	18742900	1042550	401667
074	SAMPLE	467872-019	18762000	1048710	402880

Enthalpy Internal Standard Summary for Sequence 482341021

Date : 08/24/22 Reference : met06_master
Sequence : MET06 08/24/22 Analyzed : 08/24/22 19:41

#	Type	Sample ID	Y H	Y A	Y R
075	SAMPLE	467872-021	18798100	1048840	403049
076	CCV		18467400	1037400	382196
077	CCB		19387800	1110370	405788
078	SAMPLE	467872-023	18825200	1037370	403939
079	SAMPLE	467872-025	19109500	1062630	405245
080	SAMPLE	467872-027	18893000	1054140	405016
081	SAMPLE	467872-028	18820900	1044060	406193
082	SAMPLE	467872-030	18838600	1044960	404491
083	SAMPLE	467872-032	18774000	1048220	405053
084	SAMPLE	467872-035	18996000	1049740	406309
085	SAMPLE	467872-038	18863900	1039520	401525
086	SAMPLE	467872-040	18865700	1044570	404657
087	SAMPLE	467872-042	18979700	1049230	407607
088	CCV		18582000	1032990	378622
089	CCB		19384600	1103070	402190
090	BLANK	QC1008428	18587900	1043180	399502
091	BS	QC1008429	18929800	1058050	402440
092	BSD	QC1008430	18639600	1040490	397095
093	SAMPLE	467872-043	18739900	1041650	400454
094	SAMPLE	467872-045	18844900	1051550	408005
095	SAMPLE	467872-047	18731900	1047180	403936
096	SAMPLE	467872-049	18867400	1041500	403582
100	CCV		18466700	1028570	382385
101	CCB		18992500	1094340	402508
106	BLANK	QC1008396	19663300	1098330	406194
107	LCS	QC1008397	19157700	1076800	398209
108	SAMPLE	467791-001	18762400	1057260	391664
109	SAMPLE	467793-001	18853900	1064240	386905
110	SAMPLE	467822-001	18554300	1041830	378230
111	SAMPLE	467822-003	18603800	1047910	381882
112	CCV		18228500	1008850	376160
113	CCB		18931400	1079030	394368
114	SAMPLE	467824-001	18978900	1047310	388766
115	MSS	467884-001	18619400	1044420	385798
116	MS	QC1008398	18619200	1044570	383536
117	MSD	QC1008399	18322600	1035650	379932
118	BLANK	QC1008392	18327400	1019210	395927
119	LCS	QC1008393	18301100	1020860	389436
120	MSS	467671-001	18098200	1013910	384472
121	MS	QC1008394	18170100	1014880	384571
122	MSD	QC1008395	18003500	1007670	384330
123	SAMPLE	467876-001	18105100	1005540	380549
124	CCV		18206000	1008060	369266
125	CCB		18983000	1082770	395457
126	SAMPLE	467878-001	18398900	1012120	401380
127	BLANK	QC1008521	18451900	1050660	393163
128	BS	QC1008522	18428300	1033350	383725
129	BSD	QC1008523	18597400	1043250	387021
130	SAMPLE	467406-001	18796000	1058870	390651
131	SAMPLE	467745-001	18534600	1033530	386768
132	BLANK	QC1008469	18481300	1020880	394203
133	LCS	QC1008470	18408000	1016150	390957

Enthalpy Internal Standard Summary for Sequence 482341021

Date : 08/24/22 Reference : met06_master
Sequence : MET06 08/24/22 Analyzed : 08/24/22 19:41

#	Type	Sample ID	Y H	Y A	Y R
134	SAMPLE	467882-001	17737200	985482	369251
135	SAMPLE	467882-002	17758300	984963	366249
136	CCV		18186600	1008140	373351
137	CCB		19246300	1085750	399294
138	SAMPLE	467882-003	17891900	982888	369720
139	CCV		18199900	1009710	373459
140	CCB		19079800	1077930	394536
141	SAMPLE	467882-004	17465900	976614	363700
142	SAMPLE	467882-005	17908200	996831	371824
143	SAMPLE	467882-006	17688400	978042	364503
144	SAMPLE	467882-007	17561500	965007	364768
145	SAMPLE	467882-008	17627000	973775	367312
146	SAMPLE	467882-009	18002400	1004280	367146
147	MSS	467882-010	18158900	1009260	386808
148	MS	QC1008471	18207300	1001270	380548
149	MSD	QC1008472	18145300	999882	379478
150	CCV		18041600	1003750	372871
151	CCB		18985800	1078580	397038

ENTHALPY INITIAL CALIBRATION FOR 467872 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482341021001	Date:	24-AUG-2022 19:41
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482341021002	L1	24-AUG-2022 19:45	S17110, S13369 (100X)
L2	met06_master	482341021003	L2	24-AUG-2022 19:48	S17109, S13369 (100X)
L3	met06_master	482341021004	L3	24-AUG-2022 19:51	S17108, S13369 (100X)
L4	met06_master	482341021005	L4	24-AUG-2022 19:55	S17107, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0000	0.0400	0.0370	0.0360	WB1K	-3.2E-5	27.7699		0.0283	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	**-101**	0.1000	11	1.0000	3	10.000	0

KLN 08/25/22 : Can't report 1st point: As, B, Cr, Pb, Mo, Ni, Sn, Zn, Li, and Mg

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06
Calnum : 482341021001 Cal Date : 24-AUG-2022

ICV 482341021010 (24-AUG-2022) stds: S17024, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	1.086	mg/l	9	

ENTHALPY INSTRUMENT BLANK FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482341021012 File : met06_master Time : 24-AUG-2022 20:18
Cal : 482341021001 Caldate : 24-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19709800	20142000	2.19
Yttrium	A	1159560	1180480	1.80
Yttrium	R	417619	420088	0.59

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482341021013 File : met06_master Time : 24-AUG-2022 20:21
Cal : 482341021001 Caldate : 24-AUG-2022
Standards: S16979, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.009000	0.003333	mg/l	a+ ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	150.5	mg/l	94	
Iron as Fe2O3	A	228.8	215.1	mg/l	94	
Aluminum	R	400.0	366.2	mg/l	92	
Aluminum as Al2O3	R	755.8	692.0	mg/l	92	
Calcium	R	400.0	395.3	mg/l	99	
Calcium as CaCO3	R	998.9	987.1	mg/l	99	
Magnesium	R	400.0	415.5	mg/l	104	
Magnesium as MgCO3	R	1388	1441	mg/l	104	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19709800	18315700	-7.07
Yttrium	A	1159560	1034250	-10.81
Yttrium	R	417619	378790	-9.30

DCD 08/25/22 [Lead A]: Samples do not contain interferents at ICSA levels.

+=high bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482341021014 File : met06_master Time : 24-AUG-2022 20:24
Cal : 482341021001 Caldate : 24-AUG-2022
Standards: S17065, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.051	mg/l	5	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19709800	18340400	-6.95
Yttrium	A	1159560	1040440	-10.27
Yttrium	R	417619	376471	-9.85

ENTHALPY CONTINUING CALIBRATION FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482341021052 File : met06_master Time : 24-AUG-2022 22:29
Cal : 482341021001 Caldate : 24-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0283	0.0390	1.000	1.082	mg/l	8	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19709800	18749300	-4.87
Yttrium	A	1159560	1052120	-9.27
Yttrium	R	417619	387620	-7.18

ENTHALPY INSTRUMENT BLANK FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482341021053 File : met06_master Time : 24-AUG-2022 22:32
Cal : 482341021001 Caldate : 24-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19709800	19676400	-0.17
Yttrium	A	1159560	1124310	-3.04
Yttrium	R	417619	403563	-3.37

ENTHALPY CONTINUING CALIBRATION FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482341021064 File : met06_master Time : 24-AUG-2022 23:08
Cal : 482341021001 Caldate : 24-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0283	0.0390	1.000	1.073	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19709800	18741500	-4.91
Yttrium	A	1159560	1050210	-9.43
Yttrium	R	417619	384404	-7.95

ENTHALPY INSTRUMENT BLANK FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482341021065 File : met06_master Time : 24-AUG-2022 23:11
Cal : 482341021001 Caldate : 24-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19709800	19681600	-0.14
Yttrium	A	1159560	1119270	-3.47
Yttrium	R	417619	410672	-1.66

ENTHALPY CONTINUING CALIBRATION FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482341021076 File : met06_master Time : 24-AUG-2022 23:47
Cal : 482341021001 Caldate : 24-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0283	0.0390	1.000	1.087	mg/l	9	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19709800	18467400	-6.30
Yttrium	A	1159560	1037400	-10.54
Yttrium	R	417619	382196	-8.48

ENTHALPY INSTRUMENT BLANK FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482341021077 File : met06_master Time : 24-AUG-2022 23:50
Cal : 482341021001 Caldate : 24-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19709800	19387800	-1.63
Yttrium	A	1159560	1110370	-4.24
Yttrium	R	417619	405788	-2.83

ENTHALPY CONTINUING CALIBRATION FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482341021088 File : met06_master Time : 25-AUG-2022 00:26
Cal : 482341021001 Caldate : 24-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0283	0.0390	1.000	1.079	mg/l	8	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19709800	18582000	-5.72
Yttrium	A	1159560	1032990	-10.92
Yttrium	R	417619	378622	-9.34

ENTHALPY INSTRUMENT BLANK FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482341021089 File : met06_master Time : 25-AUG-2022 00:29
Cal : 482341021001 Caldate : 24-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19709800	19384600	-1.65
Yttrium	A	1159560	1103070	-4.87
Yttrium	R	417619	402190	-3.69

ENTHALPY CONTINUING CALIBRATION FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482341021100 File : met06_master Time : 25-AUG-2022 01:05
Cal : 482341021001 Caldate : 24-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0283	0.0390	1.000	1.086	mg/l	9	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19709800	18466700	-6.31
Yttrium	A	1159560	1028570	-11.30
Yttrium	R	417619	382385	-8.44

ENTHALPY INSTRUMENT BLANK FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482341021101 File : met06_master Time : 25-AUG-2022 01:08
Cal : 482341021001 Caldate : 24-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19709800	18992500	-3.64
Yttrium	A	1159560	1094340	-5.62
Yttrium	R	417619	402508	-3.62

SAMPLE PREPARATION SUMMARY

Batch # : 295614 Analysis : ICP
Started By : DLS Prep Date : 24-AUG-2022 11:05 Finished By : DLS
Method : 3050B Units : ft2
Spike #1 ID : S16855 Spike #2 ID : S16906

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
467872-002		Wipe	1.0276	100	1	97.31						6010	
467872-004		Wipe	1	100	1	100.0						6010	
467872-006		Wipe	1	100	1	100.0						6010	
467872-009		Wipe	1.0276	100	1	97.31						6010	
467872-011		Wipe	1.1214	100	1	89.17						6010	
467872-013		Wipe	1.0276	100	1	97.31						6010	
467872-015		Wipe	1	100	1	100.0						6010	
467872-017		Wipe	1	100	1	100.0						6010	
467872-019		Wipe	1.0276	100	1	97.31						6010	
467872-021		Wipe	1.0276	100	1	97.31						6010	
467872-023		Wipe	1	100	1	100.0						6010	
467872-025		Wipe	1	100	1	100.0						6010	
467872-027		Wipe	1	100	1	100.0						6010	
467872-028		Wipe	1	100	1	100.0						6010	
467872-030		Wipe	1	100	1	100.0						6010	
467872-032		Wipe	1	100	1	100.0						6010	
467872-035		Wipe	1.0276	100	1	97.31						6010	
467872-038		Wipe	1.0828	100	1	92.35						6010	
467872-040		Wipe	1.0276	100	1	97.31						6010	
467872-042		Wipe	1	100	1	100.0						6010	
QC1008425	BLANK	Wipe	1	100	1	100.0						ICP	
QC1008426	BS	Wipe	1	100	1	100.0		1	1			ICP	
QC1008427	BSD	Wipe	1	100	1	100.0		1	1			ICP	

Analyst: KLN Date: 08/25/22 Reviewer: DCD Date: 08/25/22

ICP Prep Log

Initials: RS Prep Method: 3050B / 3010A / 200.7 / STLC QC Batch #: 295611 Thermometer ID: 91868-5

Prep Start, Date/Time: 8/24/22 11:05 Prep End, Date/Time: 8/24/22 11:57 HotBlock Temperature, °C: 95

HotBlock ID: 3

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Vol. or Weight (mL or g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	-----	-----	-----	NA	NA	100	MKDQ1500000	27
LCS	-----	-----	-----	↓	↓	↓	↓	
676872-2	A	NA	wipe	1 wipe				
-4	A							
-6	A							
-9	A							
-11	A							
-13	A							
-15	A							
-17	A							
-19	A							
-21	A							
-23	A							
-25	A							
-27	A							
-28	A							
-30	A							
-32	A							
-35	A							
-38	A							
-40	A							
-42	A	↓	↓	↓	↓	↓	↓	RS 8/24/22
LCSD	N	N	NA	NA				ES 8/24/22

Hydrochloric Acid ID: 10 mL - 22160149

Nitric Acid ID: 10 mL - 202205093G

H_2O_2 ID: 3 mL - 131500

LCS Spike ID: 1mL - S16855 / S16906

MS/MSD Spike ID: NS

SAMPLE PREPARATION SUMMARY

Batch # : 295615 Analysis : ICP
Started By : DLS Prep Date : 24-AUG-2022 11:05 Finished By : DLS
Method : 3050B Units : ft2
Spike #1 ID : S16855 Spike #2 ID : S16906

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
467872-043		Wipe	1	100	1	100.0						6010	
467872-045		Wipe	1	100	1	100.0						6010	
467872-047		Wipe	1	100	1	100.0						6010	
467872-049		Wipe	1	100	1	100.0						6010	
QC1008428	BLANK	Wipe	1	100	1	100.0						ICP	
QC1008429	BS	Wipe	1	100	1	100.0		1	1			ICP	
QC1008430	BSD	Wipe	1	100	1	100.0		1	1			ICP	

Analyst: KLN Date: 08/25/22 Reviewer: DCD Date: 08/25/22

ICP Prep Log

Initials: DS Prep Method: 3050B / 3010A / 200.7 / STLC QC Batch #: 295615 Thermometer ID: 9186275

Prep Start, Date/Time: 8/24/22 1105 Prep End, Date/Time: 8/24/22 1157 HotBlock Temperature, °C: 95

HotBlock ID: 3

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Vol. or Weight (mL or g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	-----	-----	-----	NA	NA	100	MD0150006227	
LCS	-----	-----	-----	↓	↓	↓	↓	
LCSD	—	—	—	↓	↓	↓	↓	
467672-75	A	NA	wipe	1 wipe	↓	↓	↓	DS 8/24/22
-76	A	↓	↓	↓	↓	↓	↓	
-77	A	↓	↓	↓	↓	↓	↓	
-79	D	↓	↓	↓	↓	↓	↓	

DS 8/24/22

Hydrochloric Acid ID: 10 mL – 22160149

Nitric Acid ID: 10 mL – 202205093G

H_2O_2 ID: 3 mL – 131502

LCS Spike ID: 1mL – 5,16855 / 5,16906

MS/MSD Spike ID: NA

ICP Raw Data

Enthalpy Sequence Summary for Sequence 482341021

Instrument : MET06 Begun : 08/24/22 19:41
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			08/24/22 19:41	1.0	1	
002	met06_master	ICAL	L1			08/24/22 19:45	1.0	2 1	
003	met06_master	ICAL	L2			08/24/22 19:48	1.0	3 1	
004	met06_master	ICAL	L3			08/24/22 19:51	1.0	4 1	
005	met06_master	ICAL	L4			08/24/22 19:55	1.0	5 1	
006	met06_master	ICAL	L5			08/24/22 19:58	1.0	6 1	
007	met06_master	ICAL	L6			08/24/22 20:01	1.0	7 1	
008	met06_master	ICAL	L7			08/24/22 20:04	1.0	8 1	
009	met06_master	ICAL	L8			08/24/22 20:08	1.0	9 1	
010	met06_master	ICV				08/24/22 20:11	1.0	10 1	
011	met06_master	CRI				08/24/22 20:14	1.0	11 1	
012	met06_master	ICB				08/24/22 20:18	1.0	1	
013	met06_master	ICSA				08/24/22 20:21	1.0	12 1	4:MGASMGCO3=1400
014	met06_master	ICSAB				08/24/22 20:24	1.0	13 1	4:MGASMGCO3=1400
015	met06_master	XBLANK	QC1008425	Wipe	295614	08/24/22 20:27	1.0	1	
016	met06_master	XBS	QC1008426	Wipe	295614	08/24/22 20:31	1.0	1	
017	met06_master	XBSD	QC1008427	Wipe	295614	08/24/22 20:34	1.0	1	
018	met06_master	XSAMPLE	467872-002	Wipe	295614	08/24/22 20:37	1.0	1	
019	met06_master	XSAMPLE	467872-004	Wipe	295614	08/24/22 20:40	1.0	1	
020	met06_master	XSAMPLE	467872-006	Wipe	295614	08/24/22 20:44	1.0	1	
021	met06_master	XSAMPLE	467872-009	Wipe	295614	08/24/22 20:47	1.0	1	
022	met06_master	XSAMPLE	467872-011	Wipe	295614	08/24/22 20:50	1.0	1	
023	met06_master	XSAMPLE	467872-013	Wipe	295614	08/24/22 20:53	1.0	1	
024	met06_master	XSAMPLE	467872-015	Wipe	295614	08/24/22 20:57	1.0	1	
025	met06_master	CCV				08/24/22 21:00	1.0	10 1	
026	met06_master	CCB				08/24/22 21:03	1.0	1	
027	met06_master	XUNKNOWN	IB			08/24/22 21:07	1.0	1	
028	met06_master	XSAMPLE	467872-017	Wipe	295614	08/24/22 21:10	1.0	1	
029	met06_master	XSAMPLE	467872-019	Wipe	295614	08/24/22 21:13	1.0	1	
030	met06_master	BLANK	QC1008191	Soil	295521	08/24/22 21:18	1.0	1	
031	met06_master	LCS	QC1008192	Soil	295521	08/24/22 21:21	1.0	1	
032	met06_master	MSS	467750-001	Soil	295521	08/24/22 21:24	1.0	1	3:FEASFE2O3=230
033	met06_master	MS	QC1008193	Soil	295521	08/24/22 21:27	1.0	1	3:FEASFE2O3=270
034	met06_master	MSD	QC1008194	Soil	295521	08/24/22 21:31	1.0	1	3:ALASAL2O3=300
035	met06_master	PDS	QC1008195	Soil	295521	08/24/22 21:34	1.0	1	
036	met06_master	SAMPLE	467759-001	Soil	295521	08/24/22 21:37	1.0	1	1:FE=170
037	met06_master	BLANK	QC1008326	Soil	295580	08/24/22 21:40	1.0	1	
038	met06_master	LCS	QC1008327	Soil	295580	08/24/22 21:44	1.0	1	
039	met06_master	SAMPLE	467722-005	Soil	295580	08/24/22 21:47	1.0	1	
040	met06_master	CCV				08/24/22 21:50	1.0	10 1	
041	met06_master	CCB				08/24/22 21:53	1.0	1	
042	met06_master	SAMPLE	467736-005	Soil	295580	08/24/22 21:57	1.0	1	1:FE=280
043	met06_master	SAMPLE	467765-002	Soil	295580	08/24/22 22:00	1.0	1	2:FE=410
044	met06_master	SAMPLE	467765-004	Soil	295580	08/24/22 22:03	1.0	1	2:FE=460
045	met06_master	SAMPLE	467765-006	Soil	295580	08/24/22 22:06	1.0	1	3:FE=430
046	met06_master	SAMPLE	467765-008	Soil	295580	08/24/22 22:09	1.0	1	2:FE=380
047	met06_master	MSS	467783-018	Soil	295580	08/24/22 22:13	1.0	1	2:FEASFE2O3=210
048	met06_master	MS	QC1008328	Soil	295580	08/24/22 22:16	1.0	1	4:FEASFE2O3=230
049	met06_master	MSD	QC1008329	Soil	295580	08/24/22 22:19	1.0	1	4:FEASFE2O3=230
050	met06_master	PDS	QC1008458	Soil	295580	08/24/22 22:22	1.0	1	
051	met06_master	SAMPLE	467783-019	Soil	295580	08/24/22 22:26	1.0	1	
052	met06_master	CCV				08/24/22 22:29	1.0	10 1	

Enthalpy Sequence Summary for Sequence 482341021

Instrument : MET06 Begun : 08/24/22 19:41
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	CCB				08/24/22 22:32	1.0	1	
054	met06_master	SAMPLE	467783-020	Soil	295580	08/24/22 22:35	1.0	1	1:FE=240
055	met06_master	SAMPLE	467783-021	Soil	295580	08/24/22 22:39	1.0	1	3:FE=440
056	met06_master	SAMPLE	467825-002	Soil	295580	08/24/22 22:42	1.0	1	
057	met06_master	SAMPLE	467825-005	Soil	295580	08/24/22 22:45	1.0	1	
058	met06_master	SAMPLE	467825-008	Soil	295580	08/24/22 22:48	1.0	1	
059	met06_master	SAMPLE	467825-013	Soil	295580	08/24/22 22:52	1.0	1	
060	met06_master	SAMPLE	467825-015	Soil	295580	08/24/22 22:55	1.0	1	
061	met06_master	BLANK	QC1008425	Wipe	295614	08/24/22 22:58	1.0	1	
062	met06_master	BS	QC1008426	Wipe	295614	08/24/22 23:01	1.0	1	
063	met06_master	BSD	QC1008427	Wipe	295614	08/24/22 23:05	1.0	1	
064	met06_master	CCV				08/24/22 23:08	1.0	10 1	
065	met06_master	CCB				08/24/22 23:11	1.0	1	
066	met06_master	SAMPLE	467872-002	Wipe	295614	08/24/22 23:14	1.0	1	
067	met06_master	SAMPLE	467872-004	Wipe	295614	08/24/22 23:18	1.0	1	
068	met06_master	SAMPLE	467872-006	Wipe	295614	08/24/22 23:21	1.0	1	
069	met06_master	SAMPLE	467872-009	Wipe	295614	08/24/22 23:24	1.0	1	1:ZN=140
070	met06_master	SAMPLE	467872-011	Wipe	295614	08/24/22 23:27	1.0	1	
071	met06_master	SAMPLE	467872-013	Wipe	295614	08/24/22 23:31	1.0	1	
072	met06_master	SAMPLE	467872-015	Wipe	295614	08/24/22 23:34	1.0	1	
073	met06_master	SAMPLE	467872-017	Wipe	295614	08/24/22 23:37	1.0	1	
074	met06_master	SAMPLE	467872-019	Wipe	295614	08/24/22 23:40	1.0	1	
075	met06_master	SAMPLE	467872-021	Wipe	295614	08/24/22 23:44	1.0	1	1:ZN=56
076	met06_master	CCV				08/24/22 23:47	1.0	10 1	
077	met06_master	CCB				08/24/22 23:50	1.0	1	
078	met06_master	SAMPLE	467872-023	Wipe	295614	08/24/22 23:53	1.0	1	
079	met06_master	SAMPLE	467872-025	Wipe	295614	08/24/22 23:57	1.0	1	
080	met06_master	SAMPLE	467872-027	Wipe	295614	08/25/22 00:00	1.0	1	
081	met06_master	SAMPLE	467872-028	Wipe	295614	08/25/22 00:03	1.0	1	
082	met06_master	SAMPLE	467872-030	Wipe	295614	08/25/22 00:06	1.0	1	
083	met06_master	SAMPLE	467872-032	Wipe	295614	08/25/22 00:10	1.0	1	
084	met06_master	SAMPLE	467872-035	Wipe	295614	08/25/22 00:13	1.0	1	
085	met06_master	SAMPLE	467872-038	Wipe	295614	08/25/22 00:16	1.0	1	
086	met06_master	SAMPLE	467872-040	Wipe	295614	08/25/22 00:19	1.0	1	
087	met06_master	SAMPLE	467872-042	Wipe	295614	08/25/22 00:23	1.0	1	
088	met06_master	CCV				08/25/22 00:26	1.0	10 1	
089	met06_master	CCB				08/25/22 00:29	1.0	1	
090	met06_master	BLANK	QC1008428	Wipe	295615	08/25/22 00:32	1.0	1	
091	met06_master	BS	QC1008429	Wipe	295615	08/25/22 00:36	1.0	1	
092	met06_master	BSD	QC1008430	Wipe	295615	08/25/22 00:39	1.0	1	
093	met06_master	SAMPLE	467872-043	Wipe	295615	08/25/22 00:42	1.0	1	
094	met06_master	SAMPLE	467872-045	Wipe	295615	08/25/22 00:45	1.0	1	
095	met06_master	SAMPLE	467872-047	Wipe	295615	08/25/22 00:49	1.0	1	
096	met06_master	SAMPLE	467872-049	Wipe	295615	08/25/22 00:52	1.0	1	
097	met06_master	BLANK	QC1008400	Soil	295606	08/25/22 00:55	1.0	1	
098	met06_master	LCS	QC1008401	Soil	295606	08/25/22 00:58	1.0	1	
099	met06_master	MSS	467440-001	Miscell.	295606	08/25/22 01:02	1.0	1	
100	met06_master	CCV				08/25/22 01:05	1.0	10 1	
101	met06_master	CCB				08/25/22 01:08	1.0	1	
102	met06_master	MS	QC1008402	Soil	295606	08/25/22 01:11	1.0	1	
103	met06_master	MSD	QC1008403	Soil	295606	08/25/22 01:15	1.0	1	
104	met06_master	PDS	QC1008404	Soil	295606	08/25/22 01:18	1.0	1	

Enthalpy Sequence Summary for Sequence 482341021

Instrument : MET06 Begun : 08/24/22 19:41
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
105	met06_master	SAMPLE	467692-001	Soil	295606	08/25/22 01:21	1.0	1	
106	met06_master	BLANK	QC1008396	Water	295605	08/25/22 01:24	1.0	1	
107	met06_master	LCS	QC1008397	Water	295605	08/25/22 01:28	1.0	1	
108	met06_master	SAMPLE	467791-001	Water	295605	08/25/22 01:31	1.0	1	
109	met06_master	SAMPLE	467793-001	Water	295605	08/25/22 01:34	1.0	1	1:SULFUR=200
110	met06_master	SAMPLE	467822-001	Water	295605	08/25/22 01:37	1.0	1	1:SULFUR=460
111	met06_master	SAMPLE	467822-003	Water	295605	08/25/22 01:41	1.0	1	1:SULFUR=410
112	met06_master	CCV				08/25/22 01:44	1.0	10 1	
113	met06_master	CCB				08/25/22 01:47	1.0	1	
114	met06_master	SAMPLE	467824-001	Water	295605	08/25/22 01:50	1.0	1	
115	met06_master	MSS	467884-001	Water	295605	08/25/22 01:54	1.0	1	
116	met06_master	MS	QC1008398	Water	295605	08/25/22 01:57	1.0	1	
117	met06_master	MSD	QC1008399	Water	295605	08/25/22 02:00	1.0	1	
118	met06_master	BLANK	QC1008392	Water	295604	08/25/22 02:03	1.0	1	
119	met06_master	LCS	QC1008393	Water	295604	08/25/22 02:07	1.0	1	
120	met06_master	MSS	467671-001	Water	295604	08/25/22 02:10	1.0	1	
121	met06_master	MS	QC1008394	Water	295604	08/25/22 02:13	1.0	1	
122	met06_master	MSD	QC1008395	Water	295604	08/25/22 02:16	1.0	1	
123	met06_master	SAMPLE	467876-001	Water	295604	08/25/22 02:20	1.0	1	1:P=68
124	met06_master	CCV				08/25/22 02:23	1.0	10 1	
125	met06_master	CCB				08/25/22 02:26	1.0	1	
126	met06_master	SAMPLE	467878-001	Water	295604	08/25/22 02:29	1.0	1	
127	met06_master	BLANK	QC1008521	WET Leachate	295484	08/25/22 02:33	1.0	1	
128	met06_master	BS	QC1008522	WET Leachate	295484	08/25/22 02:36	1.0	1	
129	met06_master	BSD	QC1008523	WET Leachate	295484	08/25/22 02:39	1.0	1	
130	met06_master	SAMPLE	467406-001	WET Leachate	295484	08/25/22 02:42	1.0	1	
131	met06_master	SAMPLE	467745-001	WET Leachate	295484	08/25/22 02:46	1.0	1	
132	met06_master	BLANK	QC1008469	Water	295626	08/25/22 02:49	1.0	1	
133	met06_master	LCS	QC1008470	Water	295626	08/25/22 02:52	1.0	1	
134	met06_master	SAMPLE	467882-001	Water	295626	08/25/22 02:56	1.0	1	1:SULFUR=310
135	met06_master	SAMPLE	467882-002	Water	295626	08/25/22 02:59	1.0	1	1:SULFUR=180
136	met06_master	CCV				08/25/22 03:02	1.0	10 1	
137	met06_master	CCB				08/25/22 03:05	1.0	1	
138	met06_master	SAMPLE	467882-003	Water	295626	08/25/22 03:08	1.0	1	1:SULFUR=360
139	met06_master	CCV				08/25/22 03:12	1.0	10 1	
140	met06_master	CCB				08/25/22 03:15	1.0	1	
141	met06_master	SAMPLE	467882-004	Water	295626	08/25/22 03:18	1.0	1	2:NA=1100
142	met06_master	SAMPLE	467882-005	Water	295626	08/25/22 03:21	1.0	1	1:SULFUR=120
143	met06_master	SAMPLE	467882-006	Water	295626	08/25/22 03:25	1.0	1	1:SULFUR=230
144	met06_master	SAMPLE	467882-007	Water	295626	08/25/22 03:28	1.0	1	1:SULFUR=460
145	met06_master	SAMPLE	467882-008	Water	295626	08/25/22 03:31	1.0	1	1:SULFUR=430
146	met06_master	SAMPLE	467882-009	Water	295626	08/25/22 03:35	1.0	1	1:SULFUR=190
147	met06_master	MSS	467882-010	Water	295626	08/25/22 03:38	1.0	1	
148	met06_master	MS	QC1008471	Water	295626	08/25/22 03:41	1.0	1	
149	met06_master	MSD	QC1008472	Water	295626	08/25/22 03:44	1.0	1	
150	met06_master	CCV				08/25/22 03:48	1.0	10 1	
151	met06_master	CCB				08/25/22 03:51	1.0	1	

Standards used: 1=S13369 2=S17110 3=S17109 4=S17108 5=S17107 6=S16645 7=S17115 8=S17113 9=S17048 10=S17024 11=S16646 12=S16979 13=S17065

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467872-002	Client ID	: DOOR-N-0.1GE-DG-4 TO 17-220823-L-LA
Seqnum	: 482341021066	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295614	Time	: 24-AUG-2022 23:14
Cal	: 482341021001	Caldate	: 24-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.03 ft2 --> 100.0 ml = 97.31 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.4940	48	0.49		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1159560	1048660	-9.56

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467872-002,295614			Sample Type: Unknown Sample
Measure Date: 2022-08-24 23:14:54	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	53825.9	4669.88	6948.16	8346.15	10294.5	62416.5	8966.97
Int RSD	*0.913*	*5.359*	*0.133*	*0.851*	*0.358*	*1.632*	*0.583*
Int SD	*491.358*	*250.279*	*9.261*	*71.035*	*36.867*	*1018.86*	*52.271*
RelInt Mean	0.000	0.008	-0.001	0.002	0.002	0.153	0.001
RelInt RSD	*12.821*	*4.256*	*4.914*	*4.189*	*0.676*	*1.591*	*3.089*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.002*	*0.000*
Conc Mean	<-0.000[mg/l]	0.963[mg/l]	<-0.015[mg/l]	0.011[mg/l]	0.006[mg/l]	8.113[mg/l]	0.007[mg/l]
Conc RSD	*26.414*	*4.917*	*6.068*	*5.808*	*0.658*	*1.613*	*3.028*
Conc SD	*0.000[mg/l]*	*0.047[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.131[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	11140.5	182911	17218100	1486.85	5110.25	428815	6394.01
Int RSD	*0.462*	*0.731*	*0.591*	*6.369*	*5.137*	*0.637*	*2.845*
Int SD	*51.448*	*1337.19*	*101711*	*94.702*	*262.502*	*2731.96*	*181.910*
RelInt Mean	0.004	0.007	16.572	0.003	0.008	0.404	-0.000
RelInt RSD	*0.333*	*1.603*	*0.202*	*5.128*	*4.119*	*0.273*	*174.215*
RelInt SD	*0.000*	*0.000*	*0.033*	*0.000*	*0.000*	*0.001*	*0.000*
Conc Mean	0.030[mg/l]	0.159[mg/l]	55.546[mg/l]	2.287[mg/l]	2.574[mg/l]	0.269[mg/l]	<-0.001[mg/l]
Conc RSD	*0.336*	*1.798*	*0.202*	*6.846*	*4.096*	*0.273*	*85.642*
Conc SD	*0.000[mg/l]*	*0.003[mg/l]*	*0.112[mg/l]*	*0.157[mg/l]*	*0.105[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	61546.8	14327.3	27216.5	6903.58	6433.80	9996.61	6700.44
Int RSD	*1.443*	*0.307*	*0.363*	*1.365*	*0.346*	*2.414*	*5.478*
Int SD	*887.969*	*43.950*	*98.762*	*94.259*	*22.292*	*241.362*	*367.042*
RelInt Mean	0.134	0.006	0.018	0.000	0.000	0.001	0.014
RelInt RSD	*1.040*	*0.654*	*0.980*	*47.038*	*27.103*	*36.597*	*4.822*
RelInt SD	*0.001*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.001*
Conc Mean	6.061[mg/l]	0.043[mg/l]	0.494[mg/l]	0.006[mg/l]	<0.003[mg/l]	0.009[mg/l]	0.012[mg/l]
Conc RSD	*1.113*	*0.676*	*0.978*	*46.989*	*25.071*	*41.284*	*4.714*
Conc SD	*0.067[mg/l]*	*0.000[mg/l]*	*0.005[mg/l]*	*0.003[mg/l]*	*0.001[mg/l]*	*0.004[mg/l]*	*0.001[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	190186	6034.24	16701.0	1048660	18921500	406694	2567950
Int RSD	*2.351*	*1.149*	*1.230*	*0.651*	*0.843*	*0.555*	*0.242*
Int SD	*4471.65*	*69.351*	*205.438*	*6822.73*	*159419*	*2259.10*	*6205.17*
RelInt Mean	0.007	-0.001	0.000	---	---	---	2.467
RelInt RSD	*3.246*	*4.556*	*3.210*	---	---	---	*0.492*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.012*
Conc Mean	0.058[mg/l]	<-0.068[mg/l]	0.007[mg/l]	1038340	18850500	405345	>6.835[mg/l]
Conc RSD	*3.294*	*5.299*	*16.016*	---	---	---	*0.494*
Conc SD	*0.002[mg/l]*	*0.004[mg/l]*	*0.001[mg/l]*	*6794.29*	*159431*	*2162.12*	*0.034[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	56.429	6052.99	164400	26319.7	8098.09	86558.7	
Int RSD	*181.560*	*5.091*	*0.604*	*0.831*	*0.946*	*0.444*	
Int SD	*102.452*	*308.140*	*993.374*	*218.680*	*76.583*	*384.032*	
RelInt Mean	-0.000	0.001	0.151	0.017	0.000	0.075	
RelInt RSD	*44.299*	*5.585*	*0.668*	*2.017*	*28.028*	*1.177*	
RelInt SD	*0.000*	*0.000*	*0.001*	*0.000*	*0.000*	*0.001*	
Conc Mean	<-0.001[mg/l]	0.006[mg/l]	1.824[mg/l]	0.286[mg/l]	0.000[mg/l]	2.703[mg/l]	
Conc RSD	*84.542*	*11.622*	*0.672*	*2.028*	*47.564*	*1.176*	
Conc SD	*0.001[mg/l]*	*0.001[mg/l]*	*0.012[mg/l]*	*0.006[mg/l]*	*0.000[mg/l]*	*0.032[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467872-004	Client ID	: DOOR-N-0.3GE-EXT-3 TO 4-220823-L-CB
Seqnum	: 482341021067	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295614	Time	: 24-AUG-2022 23:18
Cal	: 482341021001	Caldate	: 24-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.5170	52	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1159560	1053640	-9.13

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467872-004,295614			Sample Type: Unknown Sample
Measure Date: 2022-08-24 23:18:09	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	55133.8	2871.67	6776.92	7857.85	9594.00	98438.5	8290.77
Int RSD	*0.969*	*4.003*	*1.109*	*0.579*	*0.797*	*0.541*	*0.637*
Int SD	*533.976*	*114.955*	*75.150*	*45.474*	*76.416*	*532.817*	*52.806*
RelInt Mean	0.000	0.003	-0.001	0.001	0.001	0.242	0.001
RelInt RSD	*14.996*	*6.721*	*9.594*	*4.466*	*4.545*	*0.587*	*8.777*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.001*	*0.000*
Conc Mean	<0.002[mg/l]	0.310[mg/l]	<-0.016[mg/l]	0.007[mg/l]	0.004[mg/l]	12.886[mg/l]	0.004[mg/l]
Conc RSD	*24.714*	*9.970*	*11.714*	*7.271*	*4.881*	*0.592*	*8.067*
Conc SD	*0.000[mg/l]*	*0.031[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.076[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	8706.08	4184430	7615150	3107.88	4415.82	199678	5959.39
Int RSD	*0.840*	*1.863*	*0.505*	*5.247*	*3.126*	*0.425*	*0.703*
Int SD	*73.122*	*77950.1*	*38461.8*	*163.071*	*138.030*	*848.797*	*41.886*
RelInt Mean	0.002	0.220	7.289	0.007	0.007	0.183	-0.000
RelInt RSD	*2.269*	*1.463*	*0.453*	*4.564*	*1.113*	*0.600*	*6.824*
RelInt SD	*0.000*	*0.003*	*0.033*	*0.000*	*0.000*	*0.001*	*0.000*
Conc Mean	0.015[mg/l]	5.401[mg/l]	24.431[mg/l]	6.075[mg/l]	2.101[mg/l]	0.122[mg/l]	<-0.004[mg/l]
Conc RSD	*2.309*	*1.468*	*0.453*	*5.140*	*1.106*	*0.601*	*5.428*
Conc SD	*0.000[mg/l]*	*0.079[mg/l]*	*0.111[mg/l]*	*0.312[mg/l]*	*0.023[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	73607.2	21819.5	28214.7	6861.40	6294.45	12889.5	6795.00
Int RSD	*0.434*	*0.915*	*0.259*	*0.186*	*0.331*	*0.675*	*2.148*
Int SD	*319.621*	*199.714*	*73.047*	*12.743*	*20.815*	*87.058*	*145.964*
RelInt Mean	0.164	0.013	0.019	0.000	0.000	0.004	0.014
RelInt RSD	*0.170*	*1.309*	*0.265*	*7.006*	*68.817*	*3.686*	*2.343*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	7.501[mg/l]	0.099[mg/l]	0.517[mg/l]	0.008[mg/l]	<0.001[mg/l]	0.062[mg/l]	0.012[mg/l]
Conc RSD	*0.180*	*1.328*	*0.264*	*6.942*	*60.105*	*3.756*	*2.291*
Conc SD	*0.014[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	101858	5925.72	16187.0	1053640	18824100	406556	2590710
Int RSD	*1.106*	*0.458*	*1.494*	*0.247*	*0.660*	*0.777*	*0.491*
Int SD	*1126.54*	*27.125*	*241.753*	*2600.18*	*124184*	*3156.95*	*12733.2*
RelInt Mean	0.002	-0.001	0.000	---	---	---	2.477
RelInt RSD	*3.940*	*0.652*	*2.054*	---	---	---	*0.407*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.010*
Conc Mean	0.019[mg/l]	<-0.068[mg/l]	0.003[mg/l]	1043350	18753600	405255	>6.863[mg/l]
Conc RSD	*4.123*	*0.760*	*19.549*	---	---	---	*0.408*
Conc SD	*0.001[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*2595.46*	*123806*	*3224.58*	*0.028[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	76.981	5925.33	85050.4	26620.8	8341.49	122627	
Int RSD	*217.053*	*2.355*	*0.108*	*0.203*	*0.295*	*0.214*	
Int SD	*167.089*	*139.557*	*91.478*	*54.072*	*24.628*	*262.246*	
RelInt Mean	-0.000	0.001	0.075	0.017	0.001	0.109	
RelInt RSD	*124.836*	*5.816*	*0.348*	*0.701*	*4.545*	*0.368*	
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	
Conc Mean	<-0.000[mg/l]	<0.005[mg/l]	0.898[mg/l]	0.291[mg/l]	0.002[mg/l]	3.937[mg/l]	
Conc RSD	*288.480*	*14.480*	*0.351*	*0.705*	*5.849*	*0.367*	
Conc SD	*0.001[mg/l]*	*0.001[mg/l]*	*0.003[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.014[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467872-006	Client ID	: DOOR-N-0.4GE-INT-17 TO 18-220823-L-CB
Seqnum	: 482341021068	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295614	Time	: 24-AUG-2022 23:21
Cal	: 482341021001	Caldate	: 24-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.1140	11	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1159560	1045750	-9.81

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467872-006,295614			Sample Type: Unknown Sample
Measure Date: 2022-08-24 23:21:23	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	53938.4	3290.26	6665.42	7888.09	9755.15	91511.3	8226.92
Int RSD	*0.536*	*1.640*	*0.263*	*0.199*	*0.268*	*0.595*	*0.196*
Int SD	*289.300*	*53.952*	*17.560*	*15.731*	*26.096*	*544.710*	*16.138*
RelInt Mean	0.000	0.004	-0.001	0.001	0.001	0.228	0.001
RelInt RSD	*21.921*	*4.945*	*6.092*	*0.736*	*2.677*	*1.015*	*8.716*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.002*	*0.000*
Conc Mean	<-0.000[mg/l]	0.452[mg/l]	<-0.021[mg/l]	0.007[mg/l]	0.005[mg/l]	12.091[mg/l]	0.003[mg/l]
Conc RSD	*319.504*	*6.584*	*7.135*	*1.196*	*2.860*	*1.024*	*7.924*
Conc SD	*0.000[mg/l]*	*0.030[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.124[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7748.51	152514	7684420	3244.61	4503.30	157647	5945.27
Int RSD	*0.270*	*0.205*	*0.373*	*0.131*	*1.441*	*1.613*	*0.862*
Int SD	*20.937*	*312.034*	*28658.3*	*4.247*	*64.915*	*2542.63*	*51.272*
RelInt Mean	0.001	0.006	7.411	0.008	0.007	0.143	-0.000
RelInt RSD	*1.448*	*0.668*	*0.418*	*0.183*	*2.830*	*1.942*	*2.764*
RelInt SD	*0.000*	*0.000*	*0.031*	*0.000*	*0.000*	*0.003*	*0.000*
Conc Mean	0.008[mg/l]	0.120[mg/l]	24.838[mg/l]	6.251[mg/l]	2.177[mg/l]	0.095[mg/l]	<-0.004[mg/l]
Conc RSD	*1.495*	*0.776*	*0.418*	*0.206*	*2.812*	*1.944*	*2.261*
Conc SD	*0.000[mg/l]*	*0.001[mg/l]*	*0.104[mg/l]*	*0.013[mg/l]*	*0.061[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	76553.7	11776.7	12942.3	6736.90	6315.30	9286.20	6607.79
Int RSD	*0.387*	*1.666*	*0.475*	*0.313*	*0.569*	*0.187*	*2.477*
Int SD	*296.637*	*196.230*	*61.425*	*21.077*	*35.928*	*17.393*	*163.680*
RelInt Mean	0.172	0.003	0.004	0.000	0.000	0.000	0.014
RelInt RSD	*0.940*	*5.063*	*2.229*	*52.218*	*21.678*	*119.326*	*2.316*
RelInt SD	*0.002*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	7.923[mg/l]	0.025[mg/l]	0.114[mg/l]	<0.001[mg/l]	0.002[mg/l]	<-0.001[mg/l]	0.011[mg/l]
Conc RSD	*0.990*	*5.366*	*2.189*	*45.943*	*20.011*	*86.380*	*2.262*
Conc SD	*0.078[mg/l]*	*0.001[mg/l]*	*0.002[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	115034	5917.50	16164.5	1045750	18870800	402410	4097170
Int RSD	*1.546*	*0.331*	*0.736*	*0.362*	*0.399*	*0.593*	*0.166*
Int SD	*1778.10*	*19.587*	*118.921*	*3782.90*	*75287.6*	*2386.11*	*6786.53*
RelInt Mean	0.003	-0.001	0.000	---	---	---	3.950
RelInt RSD	*3.104*	*3.036*	*4.086*	---	---	---	*0.387*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.015*
Conc Mean	0.025[mg/l]	<-0.068[mg/l]	0.004[mg/l]	1035600	18799900	401052	>10.959[mg/l]
Conc RSD	*3.214*	*3.531*	*32.251*	---	---	---	*0.388*
Conc SD	*0.001[mg/l]*	*0.002[mg/l]*	*0.001[mg/l]*	*3820.35*	*75395.6*	*2386.09*	*0.042[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	94.756	6042.93	94401.5	26094.6	7983.04	116253	
Int RSD	*125.227*	*3.007*	*0.876*	*0.480*	*0.641*	*0.577*	
Int SD	*118.660*	*181.735*	*827.355*	*125.164*	*51.177*	*670.839*	
RelInt Mean	-0.000	0.001	0.084	0.017	0.000	0.104	
RelInt RSD	*51.940*	*24.521*	*1.081*	*1.093*	*8.615*	*0.907*	
RelInt SD	*0.000*	*0.000*	*0.001*	*0.000*	*0.000*	*0.001*	
Conc Mean	<-0.001[mg/l]	<0.006[mg/l]	1.014[mg/l]	0.285[mg/l]	0.000[mg/l]	3.745[mg/l]	
Conc RSD	*98.158*	*54.775*	*1.088*	*1.100*	*15.490*	*0.907*	
Conc SD	*0.001[mg/l]*	*0.003[mg/l]*	*0.011[mg/l]*	*0.003[mg/l]*	*0.000[mg/l]*	*0.034[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467872-009	Client ID	: DOOR-N-0.5GE-DG-4 TO 17-220823-L-LA
Seqnum	: 482341021069	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295614	Time	: 24-AUG-2022 23:24
Cal	: 482341021001	Caldate	: 24-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.03 ft2 --> 100.0 ml = 97.31 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.5460	53	0.49		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1159560	1056930	-8.85

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467872-009,295614			Sample Type: Unknown Sample
Measure Date: 2022-08-24 23:24:38	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	54582.1	3667.60	6301.10	7848.23	10314.3	103437	8203.23
Int RSD	*0.098*	*3.643*	*0.344*	*0.396*	*0.697*	*0.437*	*0.574*
Int SD	*53.561*	*133.610*	*21.656*	*31.057*	*71.842*	*451.806*	*47.126*
RelInt Mean	-0.000	0.005	-0.001	0.001	0.002	0.255	0.000
RelInt RSD	*46.835*	*4.350*	*8.693*	*3.633*	*3.768*	*1.255*	*17.372*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.003*	*0.000*
Conc Mean	<-0.003[mg/l]	0.568[mg/l]	<-0.021[mg/l]	0.006[mg/l]	0.006[mg/l]	13.584[mg/l]	0.002[mg/l]
Conc RSD	*24.965*	*5.498*	*10.200*	*6.063*	*3.943*	*1.265*	*15.629*
Conc SD	*0.001[mg/l]*	*0.031[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.172[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	8068.32	101953	4876430	3456.77	4659.69	155914	6497.91
Int RSD	*0.377*	*0.936*	*0.331*	*2.619*	*2.977*	*1.481*	*0.543*
Int SD	*30.455*	*954.485*	*16144.8*	*90.548*	*138.698*	*2309.66*	*35.311*
RelInt Mean	0.001	0.003	4.650	0.008	0.007	0.140	-0.001
RelInt RSD	*1.115*	*2.428*	*1.147*	*3.131*	*4.315*	*1.604*	*6.346*
RelInt SD	*0.000*	*0.000*	*0.053*	*0.000*	*0.000*	*0.002*	*0.000*
Conc Mean	0.010[mg/l]	0.054[mg/l]	15.585[mg/l]	6.758[mg/l]	2.292[mg/l]	0.093[mg/l]	<-0.007[mg/l]
Conc RSD	*1.143*	*3.307*	*1.147*	*3.487*	*4.288*	*1.606*	*5.647*
Conc SD	*0.000[mg/l]*	*0.002[mg/l]*	*0.179[mg/l]*	*0.236[mg/l]*	*0.098[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	76126.3	10926.8	29480.3	8201.66	6155.48	8183.22	8055.76
Int RSD	*0.317*	*0.473*	*0.423*	*0.394*	*0.342*	*1.167*	*1.853*
Int SD	*241.664*	*51.632*	*124.694*	*32.296*	*21.054*	*95.498*	*149.281*
RelInt Mean	0.170	0.002	0.020	-0.001	0.000	-0.000	0.017
RelInt RSD	*1.177*	*2.488*	*1.022*	*1.482*	*42.755*	*28.334*	*1.938*
RelInt SD	*0.002*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	7.813[mg/l]	0.017[mg/l]	0.546[mg/l]	<-0.020[mg/l]	<0.001[mg/l]	<-0.007[mg/l]	0.014[mg/l]
Conc RSD	*1.241*	*2.700*	*1.018*	*1.494*	*36.990*	*23.600*	*1.903*
Conc SD	*0.097[mg/l]*	*0.000[mg/l]*	*0.006[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	143163	5786.48	16216.9	1056930	18977400	405317	54128300
Int RSD	*6.790*	*0.317*	*0.439*	*1.077*	*1.229*	*0.808*	*0.114*
Int SD	*9720.72*	*18.338*	*71.230*	*11386.0*	*233152*	*3273.72*	*61910.8*
RelInt Mean	0.004	-0.001	0.000	---	---	---	51.707
RelInt RSD	*12.203*	*1.151*	*0.733*	---	---	---	*1.184*
RelInt SD	*0.001*	*0.000*	*0.000*	---	---	---	*0.612*
Conc Mean	0.036[mg/l]	<-0.058[mg/l]	0.003[mg/l]	1046650	18906300	404064	>143.761[mg/l]
Conc RSD	*12.497*	*1.389*	*7.520*	---	---	---	*1.184*
Conc SD	*0.005[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*11406.7*	*233285*	*3291.51*	*1.702[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	96.566	5886.16	109503	23868.7	8191.96	113740	
Int RSD	*80.011*	*1.572*	*0.631*	*0.419*	*0.604*	*0.265*	
Int SD	*77.263*	*92.508*	*691.176*	*100.000*	*49.502*	*301.765*	
RelInt Mean	-0.000	0.001	0.097	0.015	0.000	0.101	
RelInt RSD	*24.281*	*10.476*	*0.863*	*0.692*	*10.401*	*1.221*	
RelInt SD	*0.000*	*0.000*	*0.001*	*0.000*	*0.000*	*0.001*	
Conc Mean	<-0.000[mg/l]	<0.003[mg/l]	1.171[mg/l]	0.254[mg/l]	0.001[mg/l]	3.628[mg/l]	
Conc RSD	*108.516*	*39.087*	*0.868*	*0.697*	*14.716*	*1.220*	
Conc SD	*0.000[mg/l]*	*0.001[mg/l]*	*0.010[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.044[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467872-011	Client ID	: DOOR-N-0.1GE-PS-17-220823-L-G
Seqnum	: 482341021070	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295614	Time	: 24-AUG-2022 23:27
Cal	: 482341021001	Caldate	: 24-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.12 ft2 --> 100.0 ml = 89.17 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.2180	19	0.45		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1159560	1057310	-8.82

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467872-011,295614			Sample Type: Unknown Sample
Measure Date: 2022-08-24 23:27:52	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	54511.9	6115.18	6622.41	8189.14	10354.6	48865.9	9144.84
Int RSD	*0.590*	*5.023*	*0.122*	*2.185*	*0.258*	*1.498*	*0.290*
Int SD	*321.834*	*307.186*	*8.092*	*178.959*	*26.756*	*731.826*	*26.494*
RelInt Mean	0.000	0.012	-0.000	0.001	0.002	0.121	0.001
RelInt RSD	*21.855*	*7.385*	*4.989*	*13.703*	*0.556*	*1.602*	*2.454*
RelInt SD	*0.000*	*0.001*	*0.000*	*0.000*	*0.000*	*0.002*	*0.000*
Conc Mean	<-0.000[mg/l]	1.463[mg/l]	<-0.010[mg/l]	0.008[mg/l]	0.006[mg/l]	6.359[mg/l]	0.007[mg/l]
Conc RSD	*75.965*	*8.141*	*6.828*	*21.448*	*0.587*	*1.630*	*2.339*
Conc SD	*0.000[mg/l]*	*0.119[mg/l]*	*0.001[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.104[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	10064.5	172975	19519800	1735.72	5672.88	544177	6039.03
Int RSD	*0.243*	*1.230*	*0.637*	*6.447*	*1.353*	*0.408*	*0.603*
Int SD	*24.445*	*2126.84*	*124389*	*111.897*	*76.727*	*2218.82*	*36.439*
RelInt Mean	0.003	0.007	18.635	0.004	0.010	0.510	-0.000
RelInt RSD	*0.199*	*1.318*	*0.050*	*7.549*	*0.910*	*0.298*	*13.331*
RelInt SD	*0.000*	*0.000*	*0.009*	*0.000*	*0.000*	*0.002*	*0.000*
Conc Mean	0.022[mg/l]	0.145[mg/l]	62.460[mg/l]	2.834[mg/l]	2.980[mg/l]	0.340[mg/l]	<-0.003[mg/l]
Conc RSD	*0.201*	*1.494*	*0.050*	*9.591*	*0.906*	*0.298*	*10.003*
Conc SD	*0.000[mg/l]*	*0.002[mg/l]*	*0.031[mg/l]*	*0.272[mg/l]*	*0.027[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	57039.5	14486.3	17003.0	6729.58	6164.41	9236.25	6132.29
Int RSD	*0.901*	*0.458*	*0.479*	*0.495*	*0.942*	*0.344*	*6.202*
Int SD	*513.806*	*66.333*	*81.410*	*33.338*	*58.088*	*31.745*	*380.334*
RelInt Mean	0.123	0.006	0.008	0.000	-0.000	0.001	0.013
RelInt RSD	*0.621*	*2.096*	*0.437*	*20.561*	*1408.67*	*2.313*	*5.221*
RelInt SD	*0.001*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.001*
Conc Mean	5.537[mg/l]	0.044[mg/l]	0.218[mg/l]	0.005[mg/l]	<0.000[mg/l]	0.010[mg/l]	0.010[mg/l]
Conc RSD	*0.668*	*2.167*	*0.442*	*20.316*	*4620.55*	*2.574*	*5.091*
Conc SD	*0.037[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	238074	5820.41	16830.5	1057310	18957300	404721	662322
Int RSD	*1.571*	*0.252*	*0.503*	*0.675*	*0.563*	*0.078*	*0.109*
Int SD	*3739.98*	*14.645*	*84.706*	*7138.01*	*106682*	*317.695*	*724.501*
RelInt Mean	0.009	-0.001	0.000	---	---	---	0.627
RelInt RSD	*2.774*	*3.155*	*4.571*	---	---	---	*0.723*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.005*
Conc Mean	0.079[mg/l]	<-0.058[mg/l]	0.005[mg/l]	1046890	18885600	403362	1.718[mg/l]
Conc RSD	*2.805*	*3.748*	*28.582*	---	---	---	*0.733*
Conc SD	*0.002[mg/l]*	*0.002[mg/l]*	*0.001[mg/l]*	*7102.09*	*106614*	*366.951*	*0.013[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	165.792	6091.61	217235	24820.9	8073.04	68401.4	
Int RSD	*74.695*	*3.083*	*0.888*	*0.787*	*0.039*	*0.165*	
Int SD	*123.839*	*187.788*	*1928.72*	*195.287*	*3.144*	*112.612*	
RelInt Mean	-0.000	0.001	0.200	0.016	0.000	0.057	
RelInt RSD	*19.757*	*11.669*	*0.295*	*0.386*	*12.040*	*0.604*	
RelInt SD	*0.000*	*0.000*	*0.001*	*0.000*	*0.000*	*0.000*	
Conc Mean	<-0.000[mg/l]	<0.005[mg/l]	2.417[mg/l]	0.269[mg/l]	0.000[mg/l]	2.068[mg/l]	
Conc RSD	*63.486*	*27.009*	*0.296*	*0.388*	*29.902*	*0.603*	
Conc SD	*0.000[mg/l]*	*0.001[mg/l]*	*0.007[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.012[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467872-013	Client ID	: DOOR-N-0.2GE-DG-3 TO 16-220823-L-LA
Seqnum	: 482341021071	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295614	Time	: 24-AUG-2022 23:31
Cal	: 482341021001	Caldate	: 24-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.03 ft2 --> 100.0 ml = 97.31 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.073	100	0.49		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1159560	1046230	-9.77

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467872-013,295614			Sample Type: Unknown Sample
Measure Date: 2022-08-24 23:31:06	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	54433.4	4066.39	6725.64	7945.49	10200.8	55414.2	8863.45
Int RSD	*0.232*	*2.435*	*0.130*	*0.381*	*0.586*	*0.605*	*0.471*
Int SD	*126.408*	*99.023*	*8.766*	*30.283*	*59.743*	*335.175*	*41.776*
RelInt Mean	0.000	0.006	-0.000	0.001	0.002	0.137	0.001
RelInt RSD	*26.377*	*2.006*	*3.203*	*1.880*	*2.783*	*0.199*	*3.418*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	<-0.000[mg/l]	0.728[mg/l]	<-0.012[mg/l]	0.007[mg/l]	0.006[mg/l]	7.230[mg/l]	0.006[mg/l]
Conc RSD	*118.306*	*2.419*	*4.202*	*3.062*	*2.932*	*0.203*	*3.420*
Conc SD	*0.000[mg/l]*	*0.018[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.015[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	11161.3	237504	13846300	1598.51	4687.88	326646	6051.28
Int RSD	*0.923*	*1.725*	*0.361*	*0.572*	*3.192*	*0.424*	*0.240*
Int SD	*103.052*	*4095.84*	*49951.6*	*9.146*	*149.617*	*1385.79*	*14.540*
RelInt Mean	0.004	0.010	13.356	0.004	0.007	0.306	-0.000
RelInt RSD	*2.308*	*1.988*	*0.339*	*1.652*	*2.722*	*0.440*	*1.498*
RelInt SD	*0.000*	*0.000*	*0.045*	*0.000*	*0.000*	*0.001*	*0.000*
Conc Mean	0.030[mg/l]	0.231[mg/l]	44.767[mg/l]	2.626[mg/l]	2.285[mg/l]	0.204[mg/l]	<-0.003[mg/l]
Conc RSD	*2.327*	*2.156*	*0.339*	*2.134*	*2.705*	*0.441*	*1.162*
Conc SD	*0.001[mg/l]*	*0.005[mg/l]*	*0.152[mg/l]*	*0.056[mg/l]*	*0.062[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	68250.5	21071.7	48878.4	6740.25	6210.34	9525.57	6386.61
Int RSD	*0.506*	*0.259*	*0.442*	*0.309*	*1.235*	*0.536*	*3.018*
Int SD	*345.360*	*54.539*	*216.066*	*20.799*	*76.716*	*51.095*	*192.735*
RelInt Mean	0.151	0.012	0.039	0.000	0.000	0.001	0.013
RelInt RSD	*0.115*	*0.193*	*0.633*	*45.966*	*294.185*	*4.102*	*2.882*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	6.890[mg/l]	0.093[mg/l]	1.073[mg/l]	<0.001[mg/l]	<0.001[mg/l]	0.010[mg/l]	0.011[mg/l]
Conc RSD	*0.122*	*0.196*	*0.632*	*45.389*	*236.740*	*4.563*	*2.813*
Conc SD	*0.008[mg/l]*	*0.000[mg/l]*	*0.007[mg/l]*	*0.000[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	169078	5857.13	16470.8	1046230	18907700	404424	4095160
Int RSD	*6.489*	*0.340*	*0.867*	*0.055*	*0.521*	*0.455*	*0.308*
Int SD	*10971.8*	*19.889*	*142.726*	*575.702*	*98584.9*	*1838.57*	*12604.7*
RelInt Mean	0.006	-0.001	0.000	---	---	---	3.947
RelInt RSD	*10.084*	*2.753*	*3.429*	---	---	---	*0.263*
RelInt SD	*0.001*	*0.000*	*0.000*	---	---	---	*0.010*
Conc Mean	0.049[mg/l]	<-0.063[mg/l]	0.005[mg/l]	1035910	18836500	403094	>10.950[mg/l]
Conc RSD	*10.263*	*3.217*	*20.144*	---	---	---	*0.263*
Conc SD	*0.005[mg/l]*	*0.002[mg/l]*	*0.001[mg/l]*	*554.286*	*98849.7*	*1843.01*	*0.029[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	66.365	6129.29	129945	24057.1	8089.63	83253.5	
Int RSD	*118.536*	*1.209*	*0.473*	*0.806*	*1.201*	*0.282*	
Int SD	*78.667*	*74.079*	*614.786*	*193.908*	*97.142*	*235.031*	
RelInt Mean	-0.000	0.001	0.118	0.015	0.000	0.072	
RelInt RSD	*38.380*	*29.058*	*0.529*	*1.189*	*34.135*	*0.349*	
RelInt SD	*0.000*	*0.000*	*0.001*	*0.000*	*0.000*	*0.000*	
Conc Mean	<-0.001[mg/l]	<0.008[mg/l]	1.426[mg/l]	0.256[mg/l]	0.000[mg/l]	2.604[mg/l]	
Conc RSD	*72.433*	*55.133*	*0.531*	*1.197*	*66.543*	*0.348*	
Conc SD	*0.001[mg/l]*	*0.004[mg/l]*	*0.008[mg/l]*	*0.003[mg/l]*	*0.000[mg/l]*	*0.009[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467872-015	Client ID	: DOOR-N-0.2GE-INT-1 TO 16-220823-L-CB
Seqnum	: 482341021072	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295614	Time	: 24-AUG-2022 23:34
Cal	: 482341021001	Caldate	: 24-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.4510	45	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1159560	1051200	-9.34

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467872-015,295614			Sample Type: Unknown Sample
Measure Date: 2022-08-24 23:34:20	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	54706.9	5662.53	6663.25	8115.26	13395.1	63084.0	9281.20
Int RSD	*0.682*	*3.215*	*0.940*	*0.902*	*0.772*	*0.720*	*0.248*
Int SD	*372.893*	*182.073*	*62.647*	*73.177*	*103.421*	*454.224*	*23.044*
RelInt Mean	0.000	0.010	-0.000	0.001	0.005	0.156	0.001
RelInt RSD	*19.708*	*4.190*	*27.899*	*6.781*	*2.683*	*0.800*	*0.910*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.001*	*0.000*
Conc Mean	<-0.000[mg/l]	1.268[mg/l]	<-0.004[mg/l]	0.008[mg/l]	0.017[mg/l]	8.224[mg/l]	0.008[mg/l]
Conc RSD	*1548.68*	*4.684*	*52.912*	*10.516*	*2.732*	*0.811*	*0.846*
Conc SD	*0.000[mg/l]*	*0.059[mg/l]*	*0.002[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.067[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	9846.88	312545	16817600	1477.82	5208.80	402236	6004.16
Int RSD	*0.602*	*1.946*	*0.475*	*0.820*	*0.652*	*0.201*	*0.248*
Int SD	*59.304*	*6081.04*	*79923.7*	*12.111*	*33.966*	*807.702*	*14.866*
RelInt Mean	0.003	0.014	16.148	0.003	0.008	0.377	-0.000
RelInt RSD	*2.207*	*2.661*	*0.604*	*1.398*	*0.862*	*0.053*	*20.341*
RelInt SD	*0.000*	*0.000*	*0.098*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	0.020[mg/l]	0.327[mg/l]	54.124[mg/l]	2.290[mg/l]	2.642[mg/l]	0.251[mg/l]	<-0.003[mg/l]
Conc RSD	*2.234*	*2.819*	*0.604*	*1.866*	*0.858*	*0.053*	*14.178*
Conc SD	*0.000[mg/l]*	*0.009[mg/l]*	*0.327[mg/l]*	*0.043[mg/l]*	*0.023[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	58106.4	30391.0	25717.1	6777.13	6078.12	9904.95	6580.04
Int RSD	*0.467*	*0.446*	*0.352*	*0.412*	*0.268*	*0.660*	*1.233*
Int SD	*271.379*	*135.523*	*90.453*	*27.895*	*16.312*	*65.373*	*81.111*
RelInt Mean	0.125	0.021	0.016	0.000	0.000	0.002	0.014
RelInt RSD	*0.866*	*0.483*	*0.255*	*15.070*	*86.401*	*3.392*	*1.072*
RelInt SD	*0.001*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	5.637[mg/l]	0.161[mg/l]	0.451[mg/l]	0.008[mg/l]	<0.002[mg/l]	0.027[mg/l]	0.011[mg/l]
Conc RSD	*0.931*	*0.487*	*0.255*	*14.957*	*76.688*	*3.540*	*1.047*
Conc SD	*0.052[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	203665	5702.78	16770.6	1051200	18962000	406012	284055
Int RSD	*2.985*	*0.169*	*1.356*	*0.143*	*1.151*	*0.215*	*0.304*
Int SD	*6079.88*	*9.649*	*227.479*	*1500.71*	*218295*	*871.158*	*862.135*
RelInt Mean	0.008	-0.001	0.000	---	---	---	0.267
RelInt RSD	*4.648*	*1.890*	*5.916*	---	---	---	*0.332*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.001*
Conc Mean	0.064[mg/l]	<-0.056[mg/l]	0.004[mg/l]	1040810	18890400	404624	0.718[mg/l]
Conc RSD	*4.711*	*2.262*	*41.412*	---	---	---	*0.343*
Conc SD	*0.003[mg/l]*	*0.001[mg/l]*	*0.002[mg/l]*	*1565.02*	*218418*	*862.608*	*0.002[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	40.076	6197.50	201151	23357.6	8132.82	62818.8	
Int RSD	*222.803*	*1.194*	*0.505*	*0.149*	*0.143*	*0.303*	
Int SD	*89.290*	*74.023*	*1015.84*	*34.886*	*11.631*	*190.093*	
RelInt Mean	-0.000	0.001	0.186	0.015	0.000	0.052	
RelInt RSD	*44.718*	*33.031*	*0.564*	*0.076*	*33.444*	*0.259*	
RelInt SD	*0.000*	*0.000*	*0.001*	*0.000*	*0.000*	*0.000*	
Conc Mean	<-0.001[mg/l]	<0.008[mg/l]	2.245[mg/l]	0.250[mg/l]	0.000[mg/l]	1.890[mg/l]	
Conc RSD	*79.176*	*62.432*	*0.566*	*0.077*	*71.137*	*0.258*	
Conc SD	*0.001[mg/l]*	*0.005[mg/l]*	*0.013[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.005[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467872-017	Client ID	: DOOR-N-0.3GE-INT-16 TO 17-220823-L-CB
Seqnum	: 482341021073	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295614	Time	: 24-AUG-2022 23:37
Cal	: 482341021001	Caldate	: 24-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.2570	26	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1159560	1042550	-10.09

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467872-017,295614			Sample Type: Unknown Sample
Measure Date: 2022-08-24 23:37:36	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	54070.2	2974.11	6473.31	7793.15	9780.39	85059.0	8241.72
Int RSD	*0.349*	*3.191*	*0.412*	*0.233*	*0.249*	*0.749*	*0.191*
Int SD	*188.750*	*94.912*	*26.700*	*18.189*	*24.394*	*636.995*	*15.725*
RelInt Mean	0.000	0.004	-0.001	0.001	0.001	0.212	0.001
RelInt RSD	*40.388*	*6.866*	*7.042*	*2.349*	*1.222*	*0.530*	*1.354*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.001*	*0.000*
Conc Mean	<-0.000[mg/l]	0.368[mg/l]	<-0.021[mg/l]	0.006[mg/l]	0.005[mg/l]	11.245[mg/l]	0.003[mg/l]
Conc RSD	*608.229*	*9.659*	*8.277*	*4.124*	*1.295*	*0.536*	*1.240*
Conc SD	*0.000[mg/l]*	*0.036[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.060[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7525.03	201016	7865140	3158.35	4342.75	169059	5836.77
Int RSD	*0.336*	*1.638*	*0.228*	*2.549*	*1.675*	*0.525*	*0.455*
Int SD	*25.294*	*3293.26*	*17904.5*	*80.516*	*72.724*	*888.145*	*26.584*
RelInt Mean	0.001	0.008	7.609	0.008	0.007	0.155	-0.000
RelInt RSD	*1.814*	*2.640*	*0.353*	*2.103*	*2.400*	*0.367*	*3.874*
RelInt SD	*0.000*	*0.000*	*0.027*	*0.000*	*0.000*	*0.001*	*0.000*
Conc Mean	0.006[mg/l]	0.185[mg/l]	25.502[mg/l]	6.232[mg/l]	2.043[mg/l]	0.103[mg/l]	<-0.004[mg/l]
Conc RSD	*1.889*	*2.918*	*0.353*	*2.362*	*2.384*	*0.368*	*3.135*
Conc SD	*0.000[mg/l]*	*0.005[mg/l]*	*0.090[mg/l]*	*0.147[mg/l]*	*0.049[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	72706.0	10558.3	18333.5	6617.76	6186.85	8693.59	6586.98
Int RSD	*0.598*	*0.330*	*0.298*	*0.173*	*0.252*	*0.477*	*0.527*
Int SD	*435.033*	*34.850*	*54.716*	*11.419*	*15.562*	*41.497*	*34.710*
RelInt Mean	0.163	0.002	0.009	0.000	0.000	-0.000	0.014
RelInt RSD	*0.451*	*0.578*	*0.501*	*27.347*	*171.429*	*18.279*	*1.033*
RelInt SD	*0.001*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	7.477[mg/l]	0.016[mg/l]	0.257[mg/l]	<0.002[mg/l]	<0.001[mg/l]	<-0.004[mg/l]	0.012[mg/l]
Conc RSD	*0.477*	*0.632*	*0.496*	*25.757*	*143.992*	*13.432*	*1.010*
Conc SD	*0.036[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.002[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	120139	5835.04	16267.4	1042550	18742900	401667	607434
Int RSD	*3.050*	*0.323*	*0.158*	*0.214*	*0.521*	*0.197*	*0.140*
Int SD	*3663.64*	*18.838*	*25.729*	*2231.60*	*97566.0*	*791.116*	*848.434*
RelInt Mean	0.003	-0.001	0.000	---	---	---	0.582
RelInt RSD	*5.647*	*2.222*	*3.784*	---	---	---	*0.235*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.001*
Conc Mean	0.027[mg/l]	<-0.063[mg/l]	0.004[mg/l]	1032400	18671700	400406	1.595[mg/l]
Conc RSD	*5.828*	*2.608*	*31.490*	---	---	---	*0.239*
Conc SD	*0.002[mg/l]*	*0.002[mg/l]*	*0.001[mg/l]*	*2204.21*	*97640.2*	*826.530*	*0.004[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	195.899	6026.99	92602.7	24699.4	8007.82	104096	
Int RSD	*66.548*	*1.596*	*0.662*	*0.376*	*0.444*	*0.171*	
Int SD	*130.367*	*96.207*	*612.590*	*92.937*	*35.567*	*177.821*	
RelInt Mean	-0.000	0.001	0.083	0.016	0.000	0.093	
RelInt RSD	*206.702*	*13.751*	*0.601*	*0.759*	*23.345*	*0.451*	
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	
Conc Mean	<0.000[mg/l]	0.007[mg/l]	0.996[mg/l]	0.268[mg/l]	0.000[mg/l]	3.341[mg/l]	
Conc RSD	*761.135*	*27.816*	*0.604*	*0.764*	*41.295*	*0.450*	
Conc SD	*0.001[mg/l]*	*0.002[mg/l]*	*0.006[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.015[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467872-019	Client ID	: DOOR-N-0.3GE-DG-2 TO 16-220823-L-LA
Seqnum	: 482341021074	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295614	Time	: 24-AUG-2022 23:40
Cal	: 482341021001	Caldate	: 24-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.03 ft2 --> 100.0 ml = 97.31 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.042	200	0.49		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1159560	1048710	-9.56

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467872-019,295614			Sample Type: Unknown Sample
Measure Date: 2022-08-24 23:40:52	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	54311.3	4680.89	6534.66	7812.98	11070.0	98231.6	8327.88
Int RSD	*0.597*	*0.891*	*1.205*	*0.038*	*0.503*	*0.364*	*0.413*
Int SD	*324.163*	*41.724*	*78.713*	*2.935*	*55.735*	*357.365*	*34.424*
RelInt Mean	0.000	0.008	-0.001	0.001	0.003	0.244	0.001
RelInt RSD	*15.362*	*1.793*	*6.592*	*3.370*	*2.875*	*0.631*	*8.311*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.002*	*0.000*
Conc Mean	<0.000[mg/l]	0.927[mg/l]	<-0.021[mg/l]	0.006[mg/l]	0.009[mg/l]	12.969[mg/l]	0.003[mg/l]
Conc RSD	*189.014*	*2.082*	*7.709*	*5.891*	*2.976*	*0.637*	*8.027*
Conc SD	*0.000[mg/l]*	*0.019[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.083[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	8518.91	118629	7903150	3530.37	5276.12	250082	5896.98
Int RSD	*0.309*	*1.255*	*0.198*	*2.935*	*1.278*	*0.233*	*0.689*
Int SD	*26.337*	*1489.15*	*15659.6*	*103.634*	*67.433*	*582.479*	*40.620*
RelInt Mean	0.002	0.004	7.601	0.009	0.009	0.232	-0.000
RelInt RSD	*3.160*	*3.569*	*0.283*	*2.770*	*0.417*	*0.528*	*5.147*
RelInt SD	*0.000*	*0.000*	*0.022*	*0.000*	*0.000*	*0.001*	*0.000*
Conc Mean	0.013[mg/l]	0.076[mg/l]	25.474[mg/l]	7.047[mg/l]	2.759[mg/l]	0.154[mg/l]	<-0.004[mg/l]
Conc RSD	*3.222*	*4.477*	*0.283*	*3.072*	*0.415*	*0.528*	*4.193*
Conc SD	*0.000[mg/l]*	*0.003[mg/l]*	*0.072[mg/l]*	*0.216[mg/l]*	*0.011[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	77578.8	11841.4	85291.3	6685.92	6254.96	8882.58	7681.63
Int RSD	*0.629*	*1.491*	*0.466*	*0.120*	*0.909*	*0.303*	*0.333*
Int SD	*488.170*	*176.581*	*397.716*	*8.025*	*56.887*	*26.919*	*25.557*
RelInt Mean	0.175	0.003	0.074	0.000	0.000	-0.000	0.017
RelInt RSD	*1.130*	*4.743*	*0.298*	*70.175*	*187.698*	*28.280*	*0.318*
RelInt SD	*0.002*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	8.044[mg/l]	0.025[mg/l]	2.042[mg/l]	<0.001[mg/l]	<0.002[mg/l]	<-0.004[mg/l]	0.014[mg/l]
Conc RSD	*1.189*	*5.026*	*0.298*	*64.192*	*165.773*	*18.798*	*0.312*
Conc SD	*0.096[mg/l]*	*0.001[mg/l]*	*0.006[mg/l]*	*0.001[mg/l]*	*0.003[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	173411	5894.36	16289.4	1048710	18762000	402880	2001390
Int RSD	*7.958*	*0.196*	*1.282*	*0.303*	*2.511*	*0.400*	*0.181*
Int SD	*13800.6*	*11.579*	*208.757*	*3175.76*	*471193*	*1610.59*	*3629.06*
RelInt Mean	0.006	-0.001	0.000	---	---	---	1.921
RelInt RSD	*11.680*	*1.292*	*4.702*	---	---	---	*0.126*
RelInt SD	*0.001*	*0.000*	*0.000*	---	---	---	*0.002*
Conc Mean	0.051[mg/l]	<-0.063[mg/l]	<0.003[mg/l]	1038500	18690700	401551	>5.317[mg/l]
Conc RSD	*11.878*	*1.536*	*46.034*	---	---	---	*0.127*
Conc SD	*0.006[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*3164.34*	*471308*	*1618.36*	*0.007[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	132.575	6057.12	147873	26350.3	8060.82	111178	
Int RSD	*95.662*	*2.065*	*0.917*	*0.349*	*0.216*	*0.234*	
Int SD	*126.824*	*125.059*	*1356.39*	*92.027*	*17.401*	*260.421*	
RelInt Mean	-0.000	0.001	0.136	0.017	0.000	0.099	
RelInt RSD	*167.148*	*17.668*	*0.863*	*0.421*	*5.149*	*0.109*	
RelInt SD	*0.000*	*0.000*	*0.001*	*0.000*	*0.000*	*0.000*	
Conc Mean	<0.000[mg/l]	<0.006[mg/l]	1.633[mg/l]	0.291[mg/l]	0.001[mg/l]	3.561[mg/l]	
Conc RSD	*11583.4*	*37.430*	*0.866*	*0.423*	*8.576*	*0.109*	
Conc SD	*0.001[mg/l]*	*0.002[mg/l]*	*0.014[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.004[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467872-021	Client ID	: DOOR-N-0.4GE-DG-3 TO 17-220823-L-LA
Seqnum	: 482341021075	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295614	Time	: 24-AUG-2022 23:44
Cal	: 482341021001	Caldate	: 24-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.03 ft2 --> 100.0 ml = 97.31 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.3010	29	0.49		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1159560	1048840	-9.55

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467872-021,295614			Sample Type: Unknown Sample
Measure Date: 2022-08-24 23:44:07	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	54803.9	2883.83	6603.27	7814.53	9749.05	113606	8389.13
Int RSD	*0.590*	*2.063*	*0.749*	*0.648*	*0.663*	*0.337*	*0.598*
Int SD	*323.460*	*59.505*	*49.467*	*50.610*	*64.631*	*382.369*	*50.151*
RelInt Mean	0.000	0.003	-0.001	0.001	0.001	0.282	0.001
RelInt RSD	*26.599*	*4.450*	*7.394*	*4.429*	*3.667*	*0.734*	*7.100*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.002*	*0.000*
Conc Mean	<-0.000[mg/l]	0.277[mg/l]	<-0.020[mg/l]	0.006[mg/l]	0.005[mg/l]	15.020[mg/l]	0.004[mg/l]
Conc RSD	*920.453*	*6.859*	*8.700*	*7.741*	*3.932*	*0.739*	*6.555*
Conc SD	*0.000[mg/l]*	*0.019[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.111[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	9538.25	1325020	8378800	4039.63	4555.34	194103	6209.04
Int RSD	*0.485*	*1.897*	*0.489*	*2.013*	*0.971*	*0.657*	*0.466*
Int SD	*46.291*	*25129.5*	*40935.8*	*81.336*	*44.242*	*1274.96*	*28.941*
RelInt Mean	0.003	0.068	8.058	0.010	0.007	0.178	-0.001
RelInt RSD	*0.883*	*2.025*	*0.341*	*1.329*	*0.947*	*0.526*	*4.383*
RelInt SD	*0.000*	*0.001*	*0.027*	*0.000*	*0.000*	*0.001*	*0.000*
Conc Mean	0.020[mg/l]	1.659[mg/l]	27.007[mg/l]	8.142[mg/l]	2.185[mg/l]	0.118[mg/l]	<-0.005[mg/l]
Conc RSD	*0.895*	*2.049*	*0.341*	*1.454*	*0.941*	*0.527*	*3.710*
Conc SD	*0.000[mg/l]*	*0.034[mg/l]*	*0.092[mg/l]*	*0.118[mg/l]*	*0.021[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	90051.5	16846.0	20067.6	7238.44	6287.25	10218.2	7556.77
Int RSD	*0.734*	*0.332*	*0.291*	*0.683*	*0.576*	*0.115*	*1.533*
Int SD	*661.087*	*56.001*	*58.384*	*49.459*	*36.215*	*11.736*	*115.845*
RelInt Mean	0.206	0.008	0.011	-0.000	0.000	0.001	0.016
RelInt RSD	*1.144*	*0.972*	*1.097*	*33.449*	*62.544*	*2.632*	*1.304*
RelInt SD	*0.002*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	9.541[mg/l]	0.061[mg/l]	0.301[mg/l]	<-0.006[mg/l]	<0.002[mg/l]	0.018[mg/l]	0.013[mg/l]
Conc RSD	*1.195*	*0.996*	*1.089*	*33.856*	*54.782*	*2.801*	*1.278*
Conc SD	*0.114[mg/l]*	*0.001[mg/l]*	*0.003[mg/l]*	*0.002[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	104537	5912.95	16227.0	1048840	18798100	403049	21074900
Int RSD	*0.685*	*0.415*	*0.650*	*0.157*	*0.347*	*0.364*	*0.220*
Int SD	*716.272*	*24.517*	*105.465*	*1651.01*	*65271.0*	*1467.24*	*46469.8*
RelInt Mean	0.002	-0.001	0.000	---	---	---	20.283
RelInt RSD	*2.452*	*1.626*	*5.258*	---	---	---	*0.198*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.040*
Conc Mean	0.020[mg/l]	<-0.065[mg/l]	<0.003[mg/l]	1038590	18727000	401754	>56.377[mg/l]
Conc RSD	*2.561*	*1.903*	*54.954*	---	---	---	*0.198*
Conc SD	*0.001[mg/l]*	*0.001[mg/l]*	*0.002[mg/l]*	*1680.63*	*65058.8*	*1491.38*	*0.112[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	155.847	6071.93	82907.2	25395.6	8188.83	125382	
Int RSD	*38.823*	*1.213*	*0.272*	*0.259*	*0.316*	*0.640*	
Int SD	*60.505*	*73.638*	*225.470*	*65.656*	*25.853*	*802.098*	
RelInt Mean	-0.000	0.001	0.073	0.016	0.000	0.112	
RelInt RSD	*113.769*	*15.059*	*0.225*	*0.595*	*2.091*	*0.643*	
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.001*	
Conc Mean	<0.000[mg/l]	0.008[mg/l]	0.875[mg/l]	0.275[mg/l]	0.001[mg/l]	4.049[mg/l]	
Conc RSD	*4731.14*	*27.725*	*0.227*	*0.599*	*3.444*	*0.642*	
Conc SD	*0.001[mg/l]*	*0.002[mg/l]*	*0.002[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.026[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467872-023	Client ID	: DOOR-N-0.4GE-EXT-2 TO 3-220823-L-CB
Seqnum	: 482341021078	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295614	Time	: 24-AUG-2022 23:53
Cal	: 482341021001	Caldate	: 24-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.4430	44	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1159560	1037370	-10.54

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467872-023,295614			Sample Type: Unknown Sample
Measure Date: 2022-08-24 23:53:50	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	53696.6	3530.01	6427.22	7725.38	9704.89	93760.4	8028.76
Int RSD	*0.621*	*3.535*	*0.490*	*0.748*	*0.287*	*0.417*	*0.435*
Int SD	*333.551*	*124.778*	*31.474*	*57.797*	*27.861*	*390.543*	*34.952*
RelInt Mean	0.000	0.005	-0.001	0.001	0.002	0.232	0.000
RelInt RSD	*30.776*	*7.179*	*2.227*	*4.364*	*2.052*	*0.854*	*3.611*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.002*	*0.000*
Conc Mean	<0.000[mg/l]	0.542[mg/l]	<-0.019[mg/l]	0.007[mg/l]	0.005[mg/l]	12.346[mg/l]	0.003[mg/l]
Conc RSD	*163.642*	*9.161*	*2.643*	*7.203*	*2.101*	*0.862*	*3.268*
Conc SD	*0.000[mg/l]*	*0.050[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.106[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7493.60	104070	5410500	3180.26	4768.78	139513	6040.21
Int RSD	*0.415*	*0.132*	*0.487*	*0.889*	*1.622*	*0.548*	*2.210*
Int SD	*31.128*	*137.311*	*26361.6*	*28.267*	*77.354*	*765.176*	*133.502*
RelInt Mean	0.001	0.003	5.257	0.008	0.008	0.127	-0.000
RelInt RSD	*6.519*	*0.511*	*0.522*	*1.460*	*5.724*	*0.384*	*131.568*
RelInt SD	*0.000*	*0.000*	*0.027*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	0.007[mg/l]	0.058[mg/l]	17.619[mg/l]	6.147[mg/l]	2.348[mg/l]	0.084[mg/l]	<-0.002[mg/l]
Conc RSD	*6.760*	*0.683*	*0.523*	*1.643*	*5.689*	*0.385*	*72.947*
Conc SD	*0.000[mg/l]*	*0.000[mg/l]*	*0.092[mg/l]*	*0.101[mg/l]*	*0.134[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	70952.9	11289.1	25039.0	6514.46	6091.25	8734.60	6967.29
Int RSD	*0.214*	*0.301*	*0.214*	*1.285*	*0.655*	*1.758*	*0.909*
Int SD	*151.563*	*34.000*	*53.632*	*83.688*	*39.926*	*153.596*	*63.353*
RelInt Mean	0.158	0.003	0.016	0.000	0.000	0.000	0.015
RelInt RSD	*0.638*	*0.722*	*0.205*	*147.585*	*57.563*	*2890.62*	*1.744*
RelInt SD	*0.001*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	7.227[mg/l]	0.022[mg/l]	0.443[mg/l]	<0.003[mg/l]	<0.003[mg/l]	<-0.001[mg/l]	0.012[mg/l]
Conc RSD	*0.675*	*0.770*	*0.204*	*139.361*	*53.373*	*298.923*	*1.707*
Conc SD	*0.049[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*	*0.003[mg/l]*	*0.001[mg/l]*	*0.003[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	132041	5792.03	16561.9	1037370	18825200	403939	507749
Int RSD	*1.050*	*0.136*	*0.528*	*0.194*	*0.463*	*0.520*	*0.284*
Int SD	*1386.71*	*7.861*	*87.398*	*2014.77*	*87174.4*	*2098.60*	*1443.11*
RelInt Mean	0.004	-0.001	0.000	---	---	---	0.488
RelInt RSD	*1.359*	*0.523*	*0.871*	---	---	---	*0.478*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.002*
Conc Mean	0.032[mg/l]	<-0.060[mg/l]	0.008[mg/l]	1027340	18755000	402603	1.333[mg/l]
Conc RSD	*1.396*	*0.612*	*3.712*	---	---	---	*0.487*
Conc SD	*0.000[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*1975.26*	*87174.4*	*2085.71*	*0.006[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	41.912	6020.56	108624	23981.3	7843.65	112139	
Int RSD	*256.001*	*1.375*	*1.154*	*0.551*	*0.516*	*0.308*	
Int SD	*107.294*	*82.777*	*1253.26*	*132.118*	*40.445*	*345.844*	
RelInt Mean	-0.001	0.001	0.099	0.015	0.000	0.101	
RelInt RSD	*39.289*	*19.574*	*1.330*	*0.832*	*21.079*	*0.500*	
RelInt SD	*0.000*	*0.000*	*0.001*	*0.000*	*0.000*	*0.001*	
Conc Mean	<-0.001[mg/l]	<0.006[mg/l]	1.191[mg/l]	0.258[mg/l]	0.000[mg/l]	3.638[mg/l]	
Conc RSD	*64.485*	*42.504*	*1.338*	*0.838*	*39.018*	*0.500*	
Conc SD	*0.001[mg/l]*	*0.003[mg/l]*	*0.016[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.018[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467872-025	Client ID	: DOOR-N-0.5GE-PS-17-220823-L-G
Seqnum	: 482341021079	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295614	Time	: 24-AUG-2022 23:57
Cal	: 482341021001	Caldate	: 24-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.2000	20	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1159560	1062630	-8.36

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467872-025,295614			Sample Type: Unknown Sample
Measure Date: 2022-08-24 23:57:05	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	54407.4	3230.80	6704.31	7951.01	9867.82	98882.6	8721.75
Int RSD	*0.526*	*4.446*	*0.525*	*0.435*	*0.909*	*0.846*	*0.240*
Int SD	*286.053*	*143.629*	*35.171*	*34.578*	*89.654*	*836.250*	*20.964*
RelInt Mean	0.000	0.004	-0.001	0.001	0.001	0.244	0.001
RelInt RSD	*45.083*	*4.813*	*5.685*	*0.972*	*2.640*	*0.697*	*3.493*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.002*	*0.000*
Conc Mean	<0.000[mg/l]	0.424[mg/l]	<-0.015[mg/l]	0.006[mg/l]	0.005[mg/l]	12.986[mg/l]	0.005[mg/l]
Conc RSD	*329.037*	*6.511*	*7.035*	*1.672*	*2.791*	*0.703*	*3.337*
Conc SD	*0.001[mg/l]*	*0.028[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.091[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	8859.78	106380	11195300	3036.29	4743.53	322126	5871.09
Int RSD	*0.831*	*1.028*	*0.603*	*3.734*	*2.651*	*0.397*	*1.718*
Int SD	*73.638*	*1093.37*	*67476.2*	*113.364*	*125.743*	*1279.51*	*100.874*
RelInt Mean	0.002	0.003	10.627	0.007	0.008	0.297	-0.000
RelInt RSD	*3.075*	*2.271*	*0.832*	*4.048*	*2.738*	*0.627*	*15.159*
RelInt SD	*0.000*	*0.000*	*0.088*	*0.000*	*0.000*	*0.002*	*0.000*
Conc Mean	0.015[mg/l]	0.058[mg/l]	35.619[mg/l]	5.825[mg/l]	2.349[mg/l]	0.198[mg/l]	<-0.004[mg/l]
Conc RSD	*3.129*	*3.026*	*0.832*	*4.581*	*2.722*	*0.627*	*12.201*
Conc SD	*0.000[mg/l]*	*0.002[mg/l]*	*0.296[mg/l]*	*0.267[mg/l]*	*0.064[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	75710.3	10376.2	16334.5	6704.71	6204.29	8652.73	7156.86
Int RSD	*0.997*	*0.419*	*0.719*	*0.246*	*0.519*	*0.522*	*1.598*
Int SD	*754.524*	*43.504*	*117.471*	*16.478*	*32.212*	*45.132*	*114.363*
RelInt Mean	0.169	0.002	0.007	0.000	0.000	-0.000	0.015
RelInt RSD	*1.194*	*1.378*	*2.402*	*34.811*	*86.504*	*5.293*	*0.387*
RelInt SD	*0.002*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	7.777[mg/l]	0.013[mg/l]	0.200[mg/l]	0.004[mg/l]	<0.001[mg/l]	<-0.007[mg/l]	0.013[mg/l]
Conc RSD	*1.259*	*1.532*	*2.377*	*33.964*	*70.825*	*4.449*	*0.379*
Conc SD	*0.098[mg/l]*	*0.000[mg/l]*	*0.005[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	123585	5797.45	16668.9	1062630	19109500	405245	685072
Int RSD	*4.900*	*0.269*	*1.083*	*0.281*	*0.419*	*0.766*	*0.464*
Int SD	*6056.20*	*15.568*	*180.527*	*2991.28*	*79988.6*	*3102.52*	*3181.21*
RelInt Mean	0.003	-0.001	0.000	---	---	---	0.645
RelInt RSD	*9.137*	*1.282*	*3.330*	---	---	---	*0.609*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.004*
Conc Mean	0.028[mg/l]	<-0.055[mg/l]	0.005[mg/l]	1052530	19037900	403916	1.769[mg/l]
Conc RSD	*9.420*	*1.531*	*21.342*	---	---	---	*0.617*
Conc SD	*0.003[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*2988.13*	*80077.0*	*3081.77*	*0.011[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	117.893	5936.00	105437	23848.2	7988.36	127638	
Int RSD	*48.395*	*0.921*	*0.628*	*0.073*	*0.558*	*0.468*	
Int SD	*57.054*	*54.685*	*662.246*	*17.402*	*44.604*	*597.542*	
RelInt Mean	-0.000	0.001	0.093	0.014	0.000	0.113	
RelInt RSD	*79.572*	*17.771*	*0.798*	*0.382*	*11.758*	*0.764*	
RelInt SD	*0.000*	*0.000*	*0.001*	*0.000*	*0.000*	*0.001*	
Conc Mean	<-0.000[mg/l]	<0.005[mg/l]	1.123[mg/l]	0.245[mg/l]	<-0.000[mg/l]	4.071[mg/l]	
Conc RSD	*248.238*	*44.079*	*0.803*	*0.385*	*70.894*	*0.763*	
Conc SD	*0.001[mg/l]*	*0.002[mg/l]*	*0.009[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.031[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467872-027	Client ID	: DOOR-N-0.5GE-INT-16 TO 17-220823-L-CB
Seqnum	: 482341021080	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295614	Time	: 25-AUG-2022 00:00
Cal	: 482341021001	Caldate	: 24-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.1370	14	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1159560	1054140	-9.09

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467872-027,295614			Sample Type: Unknown Sample
Measure Date: 2022-08-25 00:00:20	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	54137.1	2776.75	6156.10	7693.03	9991.56	93256.7	8182.06
Int RSD	*0.356*	*1.139*	*0.774*	*1.074*	*0.275*	*0.254*	*0.201*
Int SD	*192.927*	*31.634*	*47.659*	*82.622*	*27.512*	*236.726*	*16.441*
RelInt Mean	0.000	0.003	-0.001	0.001	0.002	0.231	0.000
RelInt RSD	*4.987*	*7.746*	*9.703*	*7.537*	*0.974*	*0.571*	*5.719*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.001*	*0.000*
Conc Mean	<0.000[mg/l]	0.263[mg/l]	<-0.018[mg/l]	0.005[mg/l]	0.006[mg/l]	12.253[mg/l]	0.003[mg/l]
Conc RSD	*70.298*	*12.156*	*11.658*	*14.344*	*1.027*	*0.576*	*5.194*
Conc SD	*0.000[mg/l]*	*0.032[mg/l]*	*0.002[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.071[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7460.39	690696	7721570	2925.86	4329.53	154588	5778.41
Int RSD	*0.481*	*1.620*	*0.048*	*5.908*	*0.823*	*0.179*	*0.995*
Int SD	*35.900*	*11190.4*	*3717.86*	*172.865*	*35.616*	*277.173*	*57.472*
RelInt Mean	0.001	0.034	7.387	0.007	0.006	0.139	-0.000
RelInt RSD	*5.468*	*1.696*	*0.447*	*4.912*	*0.551*	*0.501*	*24.156*
RelInt SD	*0.000*	*0.001*	*0.033*	*0.000*	*0.000*	*0.001*	*0.000*
Conc Mean	0.006[mg/l]	0.822[mg/l]	24.758[mg/l]	5.584[mg/l]	1.992[mg/l]	0.093[mg/l]	<-0.003[mg/l]
Conc RSD	*5.714*	*1.736*	*0.447*	*5.586*	*0.547*	*0.501*	*18.261*
Conc SD	*0.000[mg/l]*	*0.014[mg/l]*	*0.111[mg/l]*	*0.312[mg/l]*	*0.011[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	69176.4	10925.5	13816.6	6514.39	5964.08	8593.67	6616.96
Int RSD	*0.309*	*0.054*	*0.625*	*0.301*	*0.580*	*0.358*	*1.977*
Int SD	*213.849*	*5.928*	*86.395*	*19.608*	*34.569*	*30.773*	*130.788*
RelInt Mean	0.153	0.003	0.005	0.000	0.000	0.000	0.014
RelInt RSD	*0.702*	*1.177*	*1.438*	*23.562*	*67.347*	*5.574*	*1.704*
RelInt SD	*0.001*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	6.989[mg/l]	0.018[mg/l]	0.137[mg/l]	0.003[mg/l]	<0.002[mg/l]	0.007[mg/l]	0.011[mg/l]
Conc RSD	*0.745*	*1.272*	*1.415*	*22.535*	*59.899*	*6.476*	*1.666*
Conc SD	*0.052[mg/l]*	*0.000[mg/l]*	*0.002[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	98520.0	5596.18	16237.2	1054140	18893000	405016	577244
Int RSD	*1.967*	*0.389*	*0.701*	*0.426*	*0.431*	*0.381*	*0.117*
Int SD	*1937.49*	*21.755*	*113.810*	*4486.67*	*81335.3*	*1542.89*	*672.548*
RelInt Mean	0.002	-0.001	0.000	---	---	---	0.547
RelInt RSD	*5.166*	*2.126*	*0.486*	---	---	---	*0.423*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.002*
Conc Mean	0.017[mg/l]	<-0.054[mg/l]	0.004[mg/l]	1043980	18821900	403655	1.497[mg/l]
Conc RSD	*5.428*	*2.559*	*3.331*	---	---	---	*0.430*
Conc SD	*0.001[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*4561.98*	*81284.0*	*1494.32*	*0.006[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	88.977	6033.79	75445.7	21235.1	8017.96	111016	
Int RSD	*96.875*	*2.188*	*2.984*	*0.391*	*0.163*	*0.297*	
Int SD	*86.197*	*132.030*	*2251.05*	*82.964*	*13.033*	*329.406*	
RelInt Mean	-0.000	0.001	0.066	0.013	0.000	0.098	
RelInt RSD	*28.116*	*23.760*	*2.912*	*0.958*	*16.567*	*0.123*	
RelInt SD	*0.000*	*0.000*	*0.002*	*0.000*	*0.000*	*0.000*	
Conc Mean	<0.000[mg/l]	<0.004[mg/l]	0.787[mg/l]	0.216[mg/l]	0.000[mg/l]	3.549[mg/l]	
Conc RSD	*305.565*	*63.576*	*2.934*	*0.965*	*25.550*	*0.123*	
Conc SD	*0.000[mg/l]*	*0.003[mg/l]*	*0.023[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.004[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467872-028	Client ID	: DOOR-N-0.5GE-INT-16 TO 17-220823-L-DUP-CB
Seqnum	: 482341021081	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295614	Time	: 25-AUG-2022 00:03
Cal	: 482341021001	Caldate	: 24-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.2320	23	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1159560	1044060	-9.96

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467872-028,295614			Sample Type: Unknown Sample
Measure Date: 2022-08-25 00:03:35	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	54033.6	2896.18	6455.20	7760.85	10435.5	103753	8269.44
Int RSD	*0.251*	*3.561*	*0.268*	*0.464*	*0.502*	*0.701*	*0.584*
Int SD	*135.670*	*103.124*	*17.320*	*36.002*	*52.415*	*726.940*	*48.292*
RelInt Mean	0.000	0.003	-0.001	0.001	0.002	0.256	0.001
RelInt RSD	*30.397*	*7.221*	*3.625*	*2.518*	*2.286*	*0.577*	*0.772*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.001*	*0.000*
Conc Mean	<-0.000[mg/l]	0.286[mg/l]	<-0.019[mg/l]	0.005[mg/l]	0.007[mg/l]	13.592[mg/l]	0.003[mg/l]
Conc RSD	*220.463*	*11.002*	*4.321*	*4.532*	*2.429*	*0.582*	*0.759*
Conc SD	*0.000[mg/l]*	*0.031[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.079[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7627.80	634838	9584680	3234.42	4412.06	187640	5846.91
Int RSD	*0.313*	*1.703*	*0.282*	*2.038*	*1.771*	*0.384*	*1.227*
Int SD	*23.891*	*10809.8*	*26992.1*	*65.931*	*78.155*	*721.461*	*71.756*
RelInt Mean	0.001	0.031	9.261	0.008	0.007	0.173	-0.000
RelInt RSD	*3.424*	*1.394*	*0.202*	*2.323*	*0.040*	*0.155*	*31.957*
RelInt SD	*0.000*	*0.000*	*0.019*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	0.007[mg/l]	0.753[mg/l]	31.040[mg/l]	6.293[mg/l]	2.073[mg/l]	0.115[mg/l]	<-0.004[mg/l]
Conc RSD	*3.547*	*1.430*	*0.202*	*2.606*	*0.040*	*0.156*	*25.273*
Conc SD	*0.000[mg/l]*	*0.011[mg/l]*	*0.063[mg/l]*	*0.164[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	80241.7	11257.9	17342.6	6606.64	6128.94	9129.91	7126.73
Int RSD	*0.891*	*0.870*	*0.494*	*0.636*	*0.323*	*0.845*	*1.795*
Int SD	*715.165*	*97.952*	*85.650*	*42.021*	*19.802*	*77.166*	*127.943*
RelInt Mean	0.180	0.003	0.008	0.000	0.000	0.000	0.015
RelInt RSD	*0.818*	*1.931*	*1.472*	*46.499*	*87.556*	*18.344*	*2.513*
RelInt SD	*0.001*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	8.295[mg/l]	0.021[mg/l]	0.232[mg/l]	0.003[mg/l]	<0.001[mg/l]	0.005[mg/l]	0.012[mg/l]
Conc RSD	*0.859*	*2.066*	*1.461*	*44.588*	*70.173*	*22.427*	*2.460*
Conc SD	*0.071[mg/l]*	*0.000[mg/l]*	*0.003[mg/l]*	*0.002[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	104217	5788.64	16234.3	1044060	18820900	406193	705158
Int RSD	*2.619*	*0.719*	*0.959*	*0.260*	*0.476*	*0.558*	*0.109*
Int SD	*2729.39*	*41.642*	*155.749*	*2716.85*	*89589.2*	*2265.50*	*765.275*
RelInt Mean	0.002	-0.001	0.000	---	---	---	0.676
RelInt RSD	*5.344*	*4.071*	*4.052*	---	---	---	*0.164*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.001*
Conc Mean	0.020[mg/l]	<-0.061[mg/l]	0.003[mg/l]	1033870	18750100	404912	1.855[mg/l]
Conc RSD	*5.578*	*4.820*	*35.700*	---	---	---	*0.166*
Conc SD	*0.001[mg/l]*	*0.003[mg/l]*	*0.001[mg/l]*	*2746.29*	*89564.6*	*2245.51*	*0.003[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	94.190	5928.65	82181.3	24575.7	7976.54	130177	
Int RSD	*87.697*	*4.169*	*0.689*	*0.535*	*0.481*	*0.339*	
Int SD	*82.602*	*247.154*	*566.478*	*131.430*	*38.374*	*441.562*	
RelInt Mean	-0.000	0.001	0.073	0.016	0.000	0.118	
RelInt RSD	*65.426*	*35.681*	*0.808*	*1.072*	*31.030*	*0.073*	
RelInt SD	*0.000*	*0.000*	*0.001*	*0.000*	*0.000*	*0.000*	
Conc Mean	<-0.000[mg/l]	<0.004[mg/l]	0.872[mg/l]	0.266[mg/l]	<0.000[mg/l]	4.241[mg/l]	
Conc RSD	*173.029*	*102.113*	*0.812*	*1.079*	*55.573*	*0.073*	
Conc SD	*0.001[mg/l]*	*0.004[mg/l]*	*0.007[mg/l]*	*0.003[mg/l]*	*0.000[mg/l]*	*0.003[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467872-030	Client ID	: AFRAME-C1E-MED-L1-HS-3-220823-L-A
Seqnum	: 482341021082	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295614	Time	: 25-AUG-2022 00:06
Cal	: 482341021001	Caldate	: 24-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.7120	71	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1159560	1044960	-9.88

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467872-030,295614			Sample Type: Unknown Sample
Measure Date: 2022-08-25 00:06:49	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	54143.6	6321.41	6911.33	8170.66	10553.5	49482.5	8987.96
Int RSD	*0.549*	*2.114*	*0.851*	*1.202*	*0.357*	*0.392*	*0.148*
Int SD	*297.121*	*133.625*	*58.808*	*98.210*	*37.709*	*194.057*	*13.300*
RelInt Mean	0.000	0.012	-0.000	0.001	0.002	0.122	0.001
RelInt RSD	*14.889*	*1.352*	*15.149*	*8.267*	*1.980*	*0.226*	*1.836*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	<-0.000[mg/l]	1.533[mg/l]	<-0.008[mg/l]	0.008[mg/l]	0.007[mg/l]	6.434[mg/l]	0.007[mg/l]
Conc RSD	*247.928*	*1.484*	*22.291*	*12.515*	*2.075*	*0.230*	*1.766*
Conc SD	*0.000[mg/l]*	*0.023[mg/l]*	*0.002[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.015[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	9812.81	146514	18095900	1340.24	5670.58	853145	5953.30
Int RSD	*0.038*	*0.598*	*0.305*	*8.875*	*1.134*	*0.382*	*0.247*
Int SD	*3.688*	*875.452*	*55102.5*	*118.953*	*64.320*	*3262.90*	*14.703*
RelInt Mean	0.003	0.005	17.480	0.003	0.010	0.815	-0.000
RelInt RSD	*0.972*	*1.342*	*0.311*	*11.532*	*1.060*	*0.503*	*6.729*
RelInt SD	*0.000*	*0.000*	*0.054*	*0.000*	*0.000*	*0.004*	*0.000*
Conc Mean	0.021[mg/l]	0.112[mg/l]	58.587[mg/l]	1.942[mg/l]	2.995[mg/l]	0.543[mg/l]	<-0.004[mg/l]
Conc RSD	*0.984*	*1.574*	*0.311*	*16.085*	*1.055*	*0.503*	*5.324*
Conc SD	*0.000[mg/l]*	*0.002[mg/l]*	*0.182[mg/l]*	*0.312[mg/l]*	*0.032[mg/l]*	*0.003[mg/l]*	*0.000[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	64749.4	15954.2	35326.5	6715.27	6289.30	9207.05	6306.54
Int RSD	*0.340*	*0.637*	*0.258*	*0.727*	*1.006*	*0.545*	*1.784*
Int SD	*219.870*	*101.701*	*91.315*	*48.842*	*63.242*	*50.168*	*112.514*
RelInt Mean	0.142	0.007	0.026	0.000	0.000	0.000	0.013
RelInt RSD	*0.447*	*1.931*	*0.626*	*17.450*	*109.358*	*13.099*	*3.985*
RelInt SD	*0.001*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.001*
Conc Mean	6.469[mg/l]	0.055[mg/l]	0.712[mg/l]	0.004[mg/l]	<0.002[mg/l]	<0.002[mg/l]	0.011[mg/l]
Conc RSD	*0.477*	*1.983*	*0.625*	*17.227*	*98.355*	*19.402*	*3.888*
Conc SD	*0.031[mg/l]*	*0.001[mg/l]*	*0.004[mg/l]*	*0.001[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	248877	5881.29	16807.5	1044960	18838600	404491	384531
Int RSD	*2.194*	*0.732*	*0.819*	*0.116*	*0.415*	*0.176*	*0.096*
Int SD	*5459.72*	*43.058*	*137.694*	*1212.48*	*78215.0*	*710.044*	*370.608*
RelInt Mean	0.010	-0.001	0.000	---	---	---	0.366
RelInt RSD	*3.186*	*3.103*	*0.451*	---	---	---	*0.045*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.000*
Conc Mean	0.085[mg/l]	<-0.065[mg/l]	0.007[mg/l]	1034650	18767500	403167	0.992[mg/l]
Conc RSD	*3.219*	*3.629*	*2.204*	---	---	---	*0.046*
Conc SD	*0.003[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*1193.04*	*78103.1*	*730.343*	*0.000[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	31.423	5924.22	221502	25529.3	8043.17	75581.7	
Int RSD	*129.496*	*1.802*	*0.937*	*0.969*	*0.525*	*0.339*	
Int SD	*40.692*	*106.766*	*2075.90*	*247.483*	*42.202*	*256.281*	
RelInt Mean	-0.000	0.001	0.207	0.017	0.000	0.065	
RelInt RSD	*19.341*	*30.574*	*0.893*	*1.315*	*17.537*	*0.417*	
RelInt SD	*0.000*	*0.000*	*0.002*	*0.000*	*0.000*	*0.000*	
Conc Mean	<-0.001[mg/l]	<0.004[mg/l]	2.496[mg/l]	0.279[mg/l]	0.000[mg/l]	2.337[mg/l]	
Conc RSD	*34.573*	*86.250*	*0.896*	*1.323*	*40.846*	*0.417*	
Conc SD	*0.000[mg/l]*	*0.003[mg/l]*	*0.022[mg/l]*	*0.004[mg/l]*	*0.000[mg/l]*	*0.010[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467872-032	Client ID	: AFRAME-C1E-LAT-L1-EXT-0 TO 1-220823-L-WF
Seqnum	: 482341021083	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295614	Time	: 25-AUG-2022 00:10
Cal	: 482341021001	Caldate	: 24-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.499	250	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1159560	1048220	-9.60

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467872-032,295614			Sample Type: Unknown Sample
Measure Date: 2022-08-25 00:10:04	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	54225.5	5772.15	6497.61	8057.15	11482.5	61983.3	10078.0
Int RSD	*0.263*	*2.176*	*1.400*	*0.678*	*0.129*	*0.888*	*0.739*
Int SD	*142.366*	*125.609*	*90.969*	*54.609*	*14.783*	*550.628*	*74.429*
RelInt Mean	0.000	0.011	-0.001	0.001	0.003	0.153	0.002
RelInt RSD	*9.367*	*0.924*	*13.432*	*5.199*	*0.782*	*1.260*	*2.503*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.002*	*0.000*
Conc Mean	<0.000[mg/l]	1.334[mg/l]	<-0.018[mg/l]	0.007[mg/l]	0.011[mg/l]	8.093[mg/l]	0.013[mg/l]
Conc RSD	*115.289*	*1.027*	*16.118*	*8.269*	*0.800*	*1.277*	*2.452*
Conc SD	*0.000[mg/l]*	*0.014[mg/l]*	*0.003[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.103[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	9199.03	139467	12269900	1657.98	5506.17	436328	5948.39
Int RSD	*0.332*	*1.306*	*0.752*	*5.242*	*1.175*	*0.173*	*0.226*
Int SD	*30.555*	*1821.65*	*92234.1*	*86.908*	*64.699*	*752.784*	*13.455*
RelInt Mean	0.002	0.005	11.811	0.004	0.009	0.411	-0.000
RelInt RSD	*1.134*	*2.497*	*0.986*	*3.426*	*2.033*	*0.316*	*11.206*
RelInt SD	*0.000*	*0.000*	*0.116*	*0.000*	*0.000*	*0.001*	*0.000*
Conc Mean	0.017[mg/l]	0.104[mg/l]	39.586[mg/l]	2.782[mg/l]	2.930[mg/l]	0.274[mg/l]	<-0.003[mg/l]
Conc RSD	*1.151*	*2.964*	*0.987*	*4.371*	*2.023*	*0.316*	*8.571*
Conc SD	*0.000[mg/l]*	*0.003[mg/l]*	*0.391[mg/l]*	*0.122[mg/l]*	*0.059[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	62408.5	12432.8	102342	6591.65	6187.08	8463.10	7726.41
Int RSD	*0.856*	*0.519*	*0.556*	*0.110*	*0.185*	*0.162*	*2.404*
Int SD	*534.290*	*64.510*	*569.162*	*7.234*	*11.476*	*13.733*	*185.754*
RelInt Mean	0.137	0.004	0.090	0.000	0.000	-0.000	0.016
RelInt RSD	*1.256*	*1.034*	*0.554*	*258.972*	*23.784*	*11.250*	*2.338*
RelInt SD	*0.002*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	6.185[mg/l]	0.030[mg/l]	2.499[mg/l]	<0.000[mg/l]	<0.002[mg/l]	<-0.007[mg/l]	0.014[mg/l]
Conc RSD	*1.342*	*1.085*	*0.554*	*206.986*	*21.641*	*9.323*	*2.293*
Conc SD	*0.083[mg/l]*	*0.000[mg/l]*	*0.014[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	209783	5836.79	16781.1	1048220	18774000	405053	1151660
Int RSD	*2.233*	*0.404*	*0.432*	*0.255*	*0.597*	*0.823*	*0.214*
Int SD	*4684.49*	*23.594*	*72.427*	*2670.90*	*112001*	*3333.32*	*2462.61*
RelInt Mean	0.008	-0.001	0.000	---	---	---	1.103
RelInt RSD	*3.559*	*2.643*	*0.832*	---	---	---	*0.398*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.004*
Conc Mean	0.067[mg/l]	<-0.059[mg/l]	0.007[mg/l]	1038040	18702800	403728	3.043[mg/l]
Conc RSD	*3.605*	*3.128*	*3.949*	---	---	---	*0.401*
Conc SD	*0.002[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*2642.44*	*112104*	*3351.77*	*0.012[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	126.934	5971.73	185277	26791.3	8039.61	81501.5	
Int RSD	*24.162*	*1.311*	*0.614*	*0.431*	*0.440*	*0.563*	
Int SD	*30.670*	*78.305*	*1137.63*	*115.426*	*35.385*	*458.807*	
RelInt Mean	-0.000	0.001	0.172	0.018	0.000	0.070	
RelInt RSD	*32.517*	*8.386*	*0.467*	*0.798*	*8.861*	*0.538*	
RelInt SD	*0.000*	*0.000*	*0.001*	*0.000*	*0.000*	*0.000*	
Conc Mean	<-0.000[mg/l]	<0.006[mg/l]	2.068[mg/l]	0.301[mg/l]	0.000[mg/l]	2.536[mg/l]	
Conc RSD	*101.548*	*18.741*	*0.468*	*0.802*	*16.223*	*0.538*	
Conc SD	*0.000[mg/l]*	*0.001[mg/l]*	*0.010[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.014[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467872-035	Client ID	: DOOR-N-0.4GE-DG-3 TO 16-220823-L-LA
Seqnum	: 482341021084	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295614	Time	: 25-AUG-2022 00:13
Cal	: 482341021001	Caldate	: 24-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.03 ft2 --> 100.0 ml = 97.31 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.6260	61	0.49		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1159560	1049740	-9.47

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467872-035,295614			Sample Type: Unknown Sample
Measure Date: 2022-08-25 00:13:19	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	53873.3	3126.26	6418.19	7571.02	9750.68	100395	8034.45
Int RSD	*0.279*	*2.995*	*0.766*	*0.147*	*0.402*	*0.580*	*0.257*
Int SD	*150.352*	*93.625*	*49.188*	*11.129*	*39.174*	*582.291*	*20.630*
RelInt Mean	0.000	0.004	-0.001	0.001	0.002	0.247	0.000
RelInt RSD	*4.081*	*5.120*	*4.854*	*3.165*	*3.709*	*0.614*	*10.579*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.002*	*0.000*
Conc Mean	<0.001[mg/l]	0.390[mg/l]	<-0.022[mg/l]	0.005[mg/l]	0.005[mg/l]	13.156[mg/l]	0.002[mg/l]
Conc RSD	*10.847*	*7.085*	*5.637*	*5.947*	*3.980*	*0.619*	*9.445*
Conc SD	*0.000[mg/l]*	*0.028[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.081[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	8315.03	1822780	4924710	3120.87	4514.19	142578	5786.58
Int RSD	*0.414*	*1.204*	*0.384*	*2.290*	*1.475*	*2.079*	*0.880*
Int SD	*34.411*	*21951.9*	*18912.4*	*71.454*	*66.578*	*2964.01*	*50.918*
RelInt Mean	0.002	0.094	4.728	0.007	0.007	0.128	-0.000
RelInt RSD	*1.065*	*0.264*	*0.349*	*2.192*	*2.150*	*2.525*	*12.488*
RelInt SD	*0.000*	*0.000*	*0.017*	*0.000*	*0.000*	*0.003*	*0.000*
Conc Mean	0.012[mg/l]	2.288[mg/l]	15.846[mg/l]	5.991[mg/l]	2.163[mg/l]	0.085[mg/l]	<-0.004[mg/l]
Conc RSD	*1.087*	*0.266*	*0.350*	*2.472*	*2.136*	*2.528*	*10.168*
Conc SD	*0.000[mg/l]*	*0.006[mg/l]*	*0.055[mg/l]*	*0.148[mg/l]*	*0.046[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	75289.9	13652.0	32165.2	6595.93	6152.19	10227.0	7186.36
Int RSD	*0.442*	*0.987*	*1.142*	*0.263*	*0.185*	*0.233*	*1.382*
Int SD	*332.952*	*134.753*	*367.299*	*17.366*	*11.367*	*23.870*	*99.282*
RelInt Mean	0.168	0.005	0.022	0.000	0.000	0.001	0.015
RelInt RSD	*0.521*	*3.157*	*1.278*	*52.096*	*78.783*	*4.496*	*1.544*
RelInt SD	*0.001*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	7.712[mg/l]	0.039[mg/l]	0.626[mg/l]	<0.003[mg/l]	<0.001[mg/l]	0.022[mg/l]	0.013[mg/l]
Conc RSD	*0.550*	*3.276*	*1.274*	*49.900*	*67.051*	*4.737*	*1.511*
Conc SD	*0.042[mg/l]*	*0.001[mg/l]*	*0.008[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	118834	5812.40	15953.1	1049740	18996000	406309	1868910
Int RSD	*2.669*	*0.243*	*0.588*	*0.502*	*1.423*	*0.526*	*0.449*
Int SD	*3171.44*	*14.153*	*93.881*	*5266.53*	*270299*	*2138.26*	*8391.56*
RelInt Mean	0.003	-0.001	0.000	---	---	---	1.792
RelInt RSD	*4.044*	*0.876*	*1.326*	---	---	---	*0.391*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.007*
Conc Mean	0.026[mg/l]	<-0.063[mg/l]	0.003[mg/l]	1039590	18925600	404999	>4.957[mg/l]
Conc RSD	*4.177*	*1.031*	*13.787*	---	---	---	*0.393*
Conc SD	*0.001[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*5240.22*	*270088*	*2135.66*	*0.019[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	89.637	6127.98	92674.9	24371.6	8067.67	115192	
Int RSD	*36.845*	*1.385*	*0.388*	*0.974*	*0.883*	*0.531*	
Int SD	*33.027*	*84.845*	*359.443*	*237.474*	*71.246*	*611.708*	
RelInt Mean	-0.000	0.002	0.083	0.015	0.000	0.103	
RelInt RSD	*65.836*	*12.310*	*0.825*	*1.850*	*14.538*	*0.139*	
RelInt SD	*0.000*	*0.000*	*0.001*	*0.000*	*0.000*	*0.000*	
Conc Mean	<-0.000[mg/l]	0.010[mg/l]	0.992[mg/l]	0.260[mg/l]	0.001[mg/l]	3.699[mg/l]	
Conc RSD	*310.006*	*20.657*	*0.830*	*1.862*	*18.998*	*0.139*	
Conc SD	*0.001[mg/l]*	*0.002[mg/l]*	*0.008[mg/l]*	*0.005[mg/l]*	*0.000[mg/l]*	*0.005[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467872-038	Client ID	: DOOR-N-0.3GE-PS-17-220823-L-G
Seqnum	: 482341021085	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295614	Time	: 25-AUG-2022 00:16
Cal	: 482341021001	Caldate	: 24-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.08 ft2 --> 100.0 ml = 92.35 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.5980	55	0.46		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1159560	1039520	-10.35

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467872-038,295614 | Sample Type: Unknown Sample

Measure Date: 2022-08-25 00:16:33 | Recalculation Date: | State: Measured | Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	53766.9	3485.03	6694.90	7840.41	9841.97	87372.0	8555.61
Int RSD	*0.510*	*3.152*	*0.643*	*0.372*	*0.208*	*0.921*	*0.076*
Int SD	*274.177*	*109.831*	*43.032*	*29.160*	*20.513*	*804.704*	*6.508*
RelInt Mean	0.000	0.005	-0.001	0.001	0.002	0.218	0.001
RelInt RSD	*51.893*	*2.003*	*7.669*	*2.433*	*1.586*	*2.334*	*1.216*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.005*	*0.000*
Conc Mean	<-0.000[mg/l]	0.512[mg/l]	<-0.018[mg/l]	0.006[mg/l]	0.005[mg/l]	11.568[mg/l]	0.005[mg/l]
Conc RSD	*1031.89*	*2.588*	*9.230*	*4.164*	*1.690*	*2.357*	*1.139*
Conc SD	*0.001[mg/l]*	*0.013[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.273[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	8613.65	154636	10315900	3142.25	4677.11	306883	5887.53
Int RSD	*0.140*	*0.449*	*0.217*	*2.109*	*4.080*	*0.619*	*0.278*
Int SD	*12.087*	*693.693*	*22335.2*	*66.262*	*190.824*	*1898.59*	*16.354*
RelInt Mean	0.002	0.006	10.012	0.008	0.007	0.289	-0.000
RelInt RSD	*0.984*	*1.201*	*0.465*	*2.737*	*4.208*	*0.289*	*1.655*
RelInt SD	*0.000*	*0.000*	*0.047*	*0.000*	*0.000*	*0.001*	*0.000*
Conc Mean	0.014[mg/l]	0.123[mg/l]	33.557[mg/l]	6.106[mg/l]	2.296[mg/l]	0.193[mg/l]	<-0.004[mg/l]
Conc RSD	*1.003*	*1.390*	*0.465*	*3.081*	*4.183*	*0.289*	*1.339*
Conc SD	*0.000[mg/l]*	*0.002[mg/l]*	*0.156[mg/l]*	*0.188[mg/l]*	*0.096[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	88468.9	10301.2	30889.7	6715.37	6230.68	8678.82	6635.74
Int RSD	*0.754*	*0.372*	*0.240*	*0.934*	*0.510*	*0.257*	*3.043*
Int SD	*667.094*	*38.300*	*74.229*	*62.697*	*31.758*	*22.300*	*201.906*
RelInt Mean	0.203	0.002	0.021	0.000	0.000	-0.000	0.014
RelInt RSD	*2.003*	*3.354*	*0.405*	*34.343*	*293.583*	*3.818*	*3.484*
RelInt SD	*0.004*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	9.388[mg/l]	0.014[mg/l]	0.598[mg/l]	0.005[mg/l]	<0.001[mg/l]	<-0.008[mg/l]	0.012[mg/l]
Conc RSD	*2.093*	*3.706*	*0.404*	*33.701*	*194.852*	*3.282*	*3.405*
Conc SD	*0.196[mg/l]*	*0.001[mg/l]*	*0.002[mg/l]*	*0.002[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	125012	5876.88	16542.5	1039520	18863900	401525	509291
Int RSD	*0.987*	*0.393*	*0.449*	*0.418*	*0.700*	*1.365*	*0.456*
Int SD	*1233.84*	*23.084*	*74.255*	*4340.61*	*132106*	*5479.50*	*2321.31*
RelInt Mean	0.004	-0.001	0.000	---	---	---	0.489
RelInt RSD	*2.209*	*0.750*	*4.975*	---	---	---	*0.121*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.001*
Conc Mean	0.029[mg/l]	<-0.066[mg/l]	0.007[mg/l]	1029360	18793300	400210	1.334[mg/l]
Conc RSD	*2.275*	*0.875*	*24.714*	---	---	---	*0.123*
Conc SD	*0.001[mg/l]*	*0.001[mg/l]*	*0.002[mg/l]*	*4366.05*	*132354*	*5588.69*	*0.002[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	20.301	5921.70	107690	25984.9	7969.28	107421	
Int RSD	*200.956*	*5.037*	*1.021*	*0.426*	*0.057*	*0.246*	
Int SD	*40.797*	*298.279*	*1099.43*	*110.570*	*4.527*	*264.693*	
RelInt Mean	-0.001	0.001	0.098	0.017	0.000	0.096	
RelInt RSD	*11.901*	*37.871*	*0.648*	*0.516*	*5.107*	*0.664*	
RelInt SD	*0.000*	*0.000*	*0.001*	*0.000*	*0.000*	*0.001*	
Conc Mean	<-0.001[mg/l]	<0.004[mg/l]	1.176[mg/l]	0.287[mg/l]	0.000[mg/l]	3.461[mg/l]	
Conc RSD	*19.991*	*108.355*	*0.651*	*0.519*	*10.744*	*0.664*	
Conc SD	*0.000[mg/l]*	*0.004[mg/l]*	*0.008[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.023[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467872-040	Client ID	: DOOR-N-0.1GE-DG-2 TO 16-220823-L-LA
Seqnum	: 482341021086	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295614	Time	: 25-AUG-2022 00:19
Cal	: 482341021001	Caldate	: 24-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.03 ft2 --> 100.0 ml = 97.31 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.8450	82	0.49		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1159560	1044570	-9.92

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467872-040,295614			Sample Type: Unknown Sample
Measure Date: 2022-08-25 00:19:48	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	54296.6	4409.62	6535.10	7902.09	10179.9	51801.8	8729.46
Int RSD	*0.239*	*1.800*	*0.301*	*0.517*	*0.054*	*0.725*	*0.605*
Int SD	*129.954*	*79.392*	*19.642*	*40.856*	*5.505*	*375.318*	*52.779*
RelInt Mean	0.000	0.007	-0.000	0.001	0.002	0.128	0.001
RelInt RSD	*69.133*	*3.624*	*8.882*	*2.491*	*0.839*	*0.862*	*6.050*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.001*	*0.000*
Conc Mean	<-0.000[mg/l]	0.872[mg/l]	<-0.013[mg/l]	0.007[mg/l]	0.006[mg/l]	6.749[mg/l]	0.006[mg/l]
Conc RSD	*195.304*	*4.246*	*11.270*	*4.097*	*0.886*	*0.876*	*5.863*
Conc SD	*0.001[mg/l]*	*0.037[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.059[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	9703.00	155720	14918700	1572.21	4887.30	375995	6048.03
Int RSD	*0.737*	*1.102*	*0.127*	*5.972*	*1.466*	*0.494*	*0.847*
Int SD	*71.531*	*1716.76*	*19013.9*	*93.900*	*71.638*	*1856.49*	*51.206*
RelInt Mean	0.003	0.006	14.414	0.004	0.008	0.354	-0.000
RelInt RSD	*1.281*	*1.983*	*0.451*	*4.741*	*0.264*	*0.957*	*22.439*
RelInt SD	*0.000*	*0.000*	*0.065*	*0.000*	*0.000*	*0.003*	*0.000*
Conc Mean	0.020[mg/l]	0.124[mg/l]	48.311[mg/l]	2.512[mg/l]	2.480[mg/l]	0.236[mg/l]	<-0.002[mg/l]
Conc RSD	*1.297*	*2.294*	*0.451*	*6.188*	*0.263*	*0.957*	*15.147*
Conc SD	*0.000[mg/l]*	*0.003[mg/l]*	*0.218[mg/l]*	*0.155[mg/l]*	*0.007[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	63237.4	14230.3	40256.8	6656.72	6132.67	9111.11	6242.80
Int RSD	*0.626*	*0.530*	*0.234*	*0.702*	*0.190*	*0.452*	*2.411*
Int SD	*395.896*	*75.409*	*94.281*	*46.712*	*11.657*	*41.157*	*150.515*
RelInt Mean	0.139	0.006	0.030	0.000	0.000	0.001	0.013
RelInt RSD	*0.878*	*0.965*	*0.157*	*51.876*	*124.300*	*9.007*	*1.736*
RelInt SD	*0.001*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	6.289[mg/l]	0.043[mg/l]	0.845[mg/l]	<0.003[mg/l]	<0.002[mg/l]	0.008[mg/l]	0.011[mg/l]
Conc RSD	*0.937*	*0.998*	*0.158*	*50.866*	*111.037*	*10.349*	*1.694*
Conc SD	*0.059[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*	*0.002[mg/l]*	*0.002[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	166082	5758.03	16581.3	1044570	18865700	404657	954613
Int RSD	*3.226*	*0.486*	*0.794*	*0.468*	*0.361*	*0.155*	*0.253*
Int SD	*5358.33*	*27.959*	*131.635*	*4888.26*	*68177.4*	*627.490*	*2413.17*
RelInt Mean	0.006	-0.001	0.000	---	---	---	0.917
RelInt RSD	*5.305*	*0.767*	*4.640*	---	---	---	*0.359*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.003*
Conc Mean	0.047[mg/l]	<-0.058[mg/l]	0.005[mg/l]	1034330	18794500	403355	2.525[mg/l]
Conc RSD	*5.402*	*0.912*	*29.932*	---	---	---	*0.362*
Conc SD	*0.003[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*4905.45*	*68175.8*	*656.850*	*0.009[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	51.277	6087.56	144449	23729.6	8031.45	79010.7	
Int RSD	*87.454*	*4.255*	*0.881*	*0.809*	*0.513*	*0.221*	
Int SD	*44.844*	*259.009*	*1273.15*	*192.039*	*41.231*	*174.832*	
RelInt Mean	-0.000	0.001	0.133	0.015	0.000	0.068	
RelInt RSD	*21.208*	*22.378*	*1.190*	*0.676*	*44.616*	*0.347*	
RelInt SD	*0.000*	*0.000*	*0.002*	*0.000*	*0.000*	*0.000*	
Conc Mean	<-0.000[mg/l]	<0.008[mg/l]	1.598[mg/l]	0.254[mg/l]	<0.000[mg/l]	2.464[mg/l]	
Conc RSD	*57.655*	*40.572*	*1.195*	*0.680*	*117.892*	*0.347*	
Conc SD	*0.000[mg/l]*	*0.003[mg/l]*	*0.019[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.009[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467872-042	Client ID	: DOOR-N-0.2GE-EXT-3 TO 4-220823-L-CB
Seqnum	: 482341021087	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295614	Time	: 25-AUG-2022 00:23
Cal	: 482341021001	Caldate	: 24-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.5820	58	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1159560	1049230	-9.51

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467872-042,295614			Sample Type: Unknown Sample
Measure Date: 2022-08-25 00:23:04	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	53867.4	4275.20	6938.42	7994.57	9830.54	45010.4	9038.16
Int RSD	*0.831*	*2.874*	*1.066*	*0.364*	*0.076*	*0.580*	*0.613*
Int SD	*447.762*	*122.883*	*73.996*	*29.081*	*7.507*	*260.986*	*55.406*
RelInt Mean	0.000	0.007	-0.000	0.001	0.001	0.110	0.001
RelInt RSD	*63.233*	*4.068*	*35.131*	*1.010*	*2.822*	*1.834*	*3.340*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.002*	*0.000*
Conc Mean	<-0.001[mg/l]	0.837[mg/l]	<-0.005[mg/l]	0.007[mg/l]	0.005[mg/l]	5.803[mg/l]	0.007[mg/l]
Conc RSD	*82.701*	*4.795*	*62.871*	*1.599*	*2.994*	*1.869*	*3.184*
Conc SD	*0.000[mg/l]*	*0.040[mg/l]*	*0.003[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.108[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	9466.45	201339	17907000	1255.79	4871.60	408536	6000.04
Int RSD	*1.045*	*1.509*	*0.191*	*4.905*	*1.379*	*0.648*	*0.302*
Int SD	*98.908*	*3037.56*	*34156.2*	*61.593*	*67.164*	*2648.11*	*18.149*
RelInt Mean	0.003	0.008	17.225	0.003	0.008	0.384	-0.000
RelInt RSD	*4.871*	*2.194*	*0.490*	*5.811*	*3.619*	*0.565*	*13.799*
RelInt SD	*0.000*	*0.000*	*0.084*	*0.000*	*0.000*	*0.002*	*0.000*
Conc Mean	0.018[mg/l]	0.182[mg/l]	57.735[mg/l]	1.896[mg/l]	2.447[mg/l]	0.256[mg/l]	<-0.003[mg/l]
Conc RSD	*4.940*	*2.428*	*0.490*	*8.160*	*3.598*	*0.565*	*10.460*
Conc SD	*0.001[mg/l]*	*0.004[mg/l]*	*0.283[mg/l]*	*0.155[mg/l]*	*0.088[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	55846.5	18323.4	30570.8	6765.51	6202.21	9538.80	5496.13
Int RSD	*0.499*	*0.553*	*0.272*	*0.355*	*0.531*	*0.081*	*3.290*
Int SD	*278.587*	*101.407*	*83.283*	*24.013*	*32.949*	*7.700*	*180.816*
RelInt Mean	0.120	0.010	0.021	0.000	0.000	0.001	0.011
RelInt RSD	*1.294*	*0.712*	*0.906*	*3.262*	*117.417*	*2.881*	*4.927*
RelInt SD	*0.002*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.001*
Conc Mean	5.372[mg/l]	0.072[mg/l]	0.582[mg/l]	0.006[mg/l]	<0.002[mg/l]	0.011[mg/l]	0.009[mg/l]
Conc RSD	*1.396*	*0.727*	*0.902*	*3.143*	*105.594*	*3.178*	*4.786*
Conc SD	*0.075[mg/l]*	*0.001[mg/l]*	*0.005[mg/l]*	*0.000[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	164855	5815.63	16430.9	1049230	18979700	407607	374547
Int RSD	*1.969*	*0.304*	*1.368*	*0.327*	*0.324*	*1.065*	*0.318*
Int SD	*3246.43*	*17.692*	*224.824*	*3426.58*	*61580.6*	*4340.42*	*1192.19*
RelInt Mean	0.006	-0.001	0.000	---	---	---	0.355
RelInt RSD	*3.343*	*1.256*	*5.015*	---	---	---	*0.073*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.000*
Conc Mean	0.047[mg/l]	<-0.060[mg/l]	<0.003[mg/l]	1038960	18908600	406308	0.961[mg/l]
Conc RSD	*3.405*	*1.488*	*48.289*	---	---	---	*0.075*
Conc SD	*0.002[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*3435.25*	*62009.4*	*4361.22*	*0.001[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	137.458	5948.67	140861	24127.0	8074.76	66971.5	
Int RSD	*25.364*	*1.116*	*0.823*	*0.179*	*0.423*	*0.159*	
Int SD	*34.865*	*66.371*	*1159.93*	*43.217*	*34.147*	*106.257*	
RelInt Mean	-0.000	0.001	0.129	0.015	0.000	0.056	
RelInt RSD	*26.988*	*19.270*	*0.681*	*0.642*	*3.602*	*0.182*	
RelInt SD	*0.000*	*0.000*	*0.001*	*0.000*	*0.000*	*0.000*	
Conc Mean	<0.000[mg/l]	<0.005[mg/l]	1.549[mg/l]	0.257[mg/l]	0.000[mg/l]	2.032[mg/l]	
Conc RSD	*302.701*	*48.559*	*0.684*	*0.646*	*8.509*	*0.182*	
Conc SD	*0.000[mg/l]*	*0.002[mg/l]*	*0.011[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.004[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467872-043	Client ID	: DOOR-N-0.2GE-EXT-3 TO 4-220823-L-DUP-CB
Seqnum	: 482341021093	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295615	Time	: 25-AUG-2022 00:42
Cal	: 482341021001	Caldate	: 24-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.163	120	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1159560	1041650	-10.17

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467872-043,295615			Sample Type: Unknown Sample
Measure Date: 2022-08-25 00:42:34	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	54557.7	4263.27	6543.67	8112.93	10160.8	54329.3	8580.75
Int RSD	*0.431*	*2.674*	*0.112*	*0.490*	*0.173*	*1.336*	*0.352*
Int SD	*235.016*	*113.986*	*7.300*	*39.727*	*17.572*	*726.104*	*30.177*
RelInt Mean	0.000	0.007	-0.000	0.001	0.002	0.136	0.001
RelInt RSD	*41.093*	*5.117*	*8.932*	*5.727*	*0.664*	*1.416*	*4.645*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.002*	*0.000*
Conc Mean	<0.000[mg/l]	0.817[mg/l]	<-0.010[mg/l]	0.008[mg/l]	0.006[mg/l]	7.159[mg/l]	0.005[mg/l]
Conc RSD	*759.437*	*6.054*	*12.261*	*8.840*	*0.685*	*1.439*	*4.324*
Conc SD	*0.001[mg/l]*	*0.049[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.103[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	8541.40	159692	11487100	1470.12	4865.84	280994	6171.12
Int RSD	*0.224*	*0.768*	*0.323*	*5.552*	*0.700*	*0.406*	*1.701*
Int SD	*19.160*	*1226.61*	*37078.3*	*81.623*	*34.075*	*1139.51*	*104.973*
RelInt Mean	0.002	0.006	11.127	0.003	0.008	0.263	-0.000
RelInt RSD	*1.419*	*1.170*	*0.452*	*7.771*	*2.624*	*0.238*	*617.936*
RelInt SD	*0.000*	*0.000*	*0.050*	*0.000*	*0.000*	*0.001*	*0.000*
Conc Mean	0.013[mg/l]	0.130[mg/l]	37.292[mg/l]	2.303[mg/l]	2.474[mg/l]	0.175[mg/l]	<-0.001[mg/l]
Conc RSD	*1.446*	*1.344*	*0.452*	*10.358*	*2.610*	*0.238*	*100.780*
Conc SD	*0.000[mg/l]*	*0.002[mg/l]*	*0.169[mg/l]*	*0.238[mg/l]*	*0.065[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	56962.1	15140.1	51995.7	6740.41	6094.76	8824.45	6357.04
Int RSD	*1.294*	*0.569*	*0.295*	*0.678*	*0.182*	*0.621*	*2.334*
Int SD	*736.876*	*86.128*	*153.631*	*45.705*	*11.084*	*54.789*	*148.376*
RelInt Mean	0.124	0.007	0.042	0.000	0.000	0.000	0.013
RelInt RSD	*1.437*	*0.934*	*0.540*	*18.016*	*15.344*	*16.499*	*2.218*
RelInt SD	*0.002*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	5.596[mg/l]	0.050[mg/l]	1.163[mg/l]	0.010[mg/l]	0.003[mg/l]	0.006[mg/l]	0.011[mg/l]
Conc RSD	*1.546*	*0.962*	*0.539*	*17.806*	*14.491*	*19.830*	*2.165*
Conc SD	*0.086[mg/l]*	*0.000[mg/l]*	*0.006[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	169557	5716.87	16684.8	1041650	18739900	400454	516914
Int RSD	*5.272*	*0.643*	*0.934*	*0.190*	*0.133*	*0.212*	*0.189*
Int SD	*8938.49*	*36.766*	*155.792*	*1974.45*	*24918.3*	*850.708*	*976.919*
RelInt Mean	0.006	-0.001	0.000	---	---	---	0.495
RelInt RSD	*8.251*	*4.814*	*3.120*	---	---	---	*0.101*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.000*
Conc Mean	0.049[mg/l]	<-0.055[mg/l]	0.006[mg/l]	1031510	18668600	399132	1.352[mg/l]
Conc RSD	*8.396*	*5.786*	*16.043*	---	---	---	*0.103*
Conc SD	*0.004[mg/l]*	*0.003[mg/l]*	*0.001[mg/l]*	*2000.66*	*24755.6*	*827.826*	*0.001[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	44.859	6068.18	128119	23499.9	8059.62	74763.4	
Int RSD	*145.908*	*0.594*	*0.916*	*0.370*	*1.092*	*0.456*	
Int SD	*65.453*	*36.060*	*1173.17*	*86.994*	*88.014*	*341.006*	
RelInt Mean	-0.000	0.001	0.117	0.015	0.000	0.064	
RelInt RSD	*49.849*	*9.111*	*0.830*	*0.607*	*29.657*	*0.371*	
RelInt SD	*0.000*	*0.000*	*0.001*	*0.000*	*0.000*	*0.000*	
Conc Mean	<-0.001[mg/l]	0.007[mg/l]	1.411[mg/l]	0.253[mg/l]	0.000[mg/l]	2.323[mg/l]	
Conc RSD	*86.196*	*18.705*	*0.834*	*0.611*	*58.240*	*0.370*	
Conc SD	*0.001[mg/l]*	*0.001[mg/l]*	*0.012[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.009[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst : MET06 Lab ID : 467872-045 Client ID : 220823-L-MEDBLANK1
Seqnum : 482341021094 Matrix : Wipe Acct : RINCON-BERK (JG)
File : met06_master Batch : 295615 Time : 25-AUG-2022 00:45
Cal : 482341021001 Caldate : 24-AUG-2022
IDF : 1.0 Raw Units : mg/l Units : ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.02800	2.8	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1159560	1051550	-9.31

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467872-045,295615			Sample Type: Unknown Sample
Measure Date: 2022-08-25 00:45:49	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	53639.6	1702.49	6156.48	7467.08	8864.28	24921.3	7537.81
Int RSD	*0.621*	*5.255*	*0.491*	*0.763*	*0.534*	*0.975*	*0.435*
Int SD	*333.212*	*89.461*	*30.241*	*56.953*	*47.333*	*242.989*	*32.755*
RelInt Mean	0.000	0.001	-0.001	0.001	0.001	0.061	0.000
RelInt RSD	*11.232*	*32.395*	*1.869*	*3.826*	*2.367*	*0.899*	*191.975*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.001*	*0.000*
Conc Mean	<0.001[mg/l]	<-0.025[mg/l]	<-0.025[mg/l]	0.005[mg/l]	0.002[mg/l]	3.148[mg/l]	<0.000[mg/l]
Conc RSD	*36.390*	*158.456*	*2.146*	*6.893*	*2.710*	*0.930*	*46.917*
Conc SD	*0.000[mg/l]*	*0.040[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.029[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6502.38	60936.5	45909.9	928.394	3977.65	13782.9	5652.05
Int RSD	*0.449*	*0.751*	*1.605*	*5.569*	*2.055*	*0.408*	*0.124*
Int SD	*29.175*	*457.651*	*736.889*	*51.700*	*81.734*	*56.211*	*7.019*
RelInt Mean	0.000	0.001	0.035	0.002	0.006	0.005	-0.000
RelInt RSD	*38.932*	*1.495*	*2.290*	*5.547*	*1.027*	*1.762*	*4.140*
RelInt SD	*0.000*	*0.000*	*0.001*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	<0.001[mg/l]	0.001[mg/l]	0.116[mg/l]	1.082[mg/l]	1.801[mg/l]	0.003[mg/l]	<-0.004[mg/l]
Conc RSD	*51.727*	*23.485*	*2.334*	*9.475*	*1.019*	*1.832*	*3.281*
Conc SD	*0.000[mg/l]*	*0.000[mg/l]*	*0.003[mg/l]*	*0.103[mg/l]*	*0.018[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	45198.2	8319.76	9593.10	6391.55	6008.95	7922.66	3574.15
Int RSD	*0.510*	*0.426*	*0.340*	*0.595*	*0.806*	*0.629*	*3.262*
Int SD	*230.722*	*35.403*	*32.636*	*38.021*	*48.417*	*49.862*	*116.589*
RelInt Mean	0.093	0.000	0.001	0.000	0.000	-0.001	0.006
RelInt RSD	*0.717*	*16.779*	*2.818*	*14585.5*	*99.080*	*10.751*	*5.365*
RelInt SD	*0.001*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	4.099[mg/l]	<0.001[mg/l]	0.028[mg/l]	<0.000[mg/l]	<0.001[mg/l]	<-0.013[mg/l]	0.005[mg/l]
Conc RSD	*0.791*	*64.273*	*2.582*	*1063.63*	*86.185*	*9.791*	*5.103*
Conc SD	*0.032[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*	*0.002[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	63452.0	5667.61	15825.0	1051550	18844900	408005	221615
Int RSD	*0.287*	*0.372*	*0.589*	*0.494*	*0.506*	*0.257*	*0.123*
Int SD	*181.881*	*21.111*	*93.149*	*5195.79*	*95373.0*	*1048.31*	*273.504*
RelInt Mean	0.000	-0.001	0.000	---	---	---	0.207
RelInt RSD	*5.637*	*0.700*	*6.122*	---	---	---	*0.537*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.001*
Conc Mean	0.002[mg/l]	<-0.059[mg/l]	<0.002[mg/l]	1041660	18774800	406690	0.551[mg/l]
Conc RSD	*8.865*	*0.833*	*99.956*	---	---	---	*0.562*
Conc SD	*0.000[mg/l]*	*0.000[mg/l]*	*0.002[mg/l]*	*5201.50*	*95395.5*	*1074.37*	*0.003[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	80.120	5967.11	38970.6	25122.1	7817.70	59471.5	
Int RSD	*117.076*	*1.343*	*0.764*	*0.550*	*0.766*	*0.129*	
Int SD	*93.802*	*80.121*	*297.764*	*138.246*	*59.861*	*76.508*	
RelInt Mean	-0.000	0.001	0.031	0.016	0.000	0.049	
RelInt RSD	*73.581*	*21.913*	*0.271*	*0.647*	*12.238*	*0.602*	
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	
Conc Mean	<-0.001[mg/l]	<0.006[mg/l]	0.367[mg/l]	0.275[mg/l]	0.001[mg/l]	1.771[mg/l]	
Conc RSD	*153.434*	*45.526*	*0.276*	*0.651*	*17.060*	*0.601*	
Conc SD	*0.001[mg/l]*	*0.003[mg/l]*	*0.001[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.011[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst : MET06 Lab ID : 467872-047 Client ID : 220823-L-MEDBLANK2
Seqnum : 482341021095 Matrix : Wipe Acct : RINCON-BERK (JG)
File : met06_master Batch : 295615 Time : 25-AUG-2022 00:49
Cal : 482341021001 Caldate : 24-AUG-2022
IDF : 1.0 Raw Units : mg/l Units : ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.02100	2.1	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1159560	1047180	-9.69

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467872-047,295615			Sample Type: Unknown Sample
Measure Date: 2022-08-25 00:49:04	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	53618.2	2016.47	6091.22	7512.25	9625.01	67750.1	7612.72
Int RSD	*0.290*	*5.489*	*0.131*	*0.044*	*0.549*	*1.101*	*0.745*
Int SD	*155.434*	*110.686*	*7.982*	*3.321*	*52.853*	*745.993*	*56.725*
RelInt Mean	0.000	0.001	-0.001	0.001	0.001	0.168	0.000
RelInt RSD	*17.267*	*27.599*	*5.272*	*3.553*	*2.343*	*1.449*	*86.069*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.002*	*0.000*
Conc Mean	<0.000[mg/l]	<0.038[mg/l]	<-0.023[mg/l]	0.005[mg/l]	0.005[mg/l]	8.878[mg/l]	<0.000[mg/l]
Conc RSD	*92.255*	*136.946*	*6.097*	*6.356*	*2.526*	*1.467*	*30.060*
Conc SD	*0.000[mg/l]*	*0.052[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.130[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6592.06	60819.3	46804.4	2627.80	4160.40	15642.7	5702.40
Int RSD	*0.424*	*0.503*	*0.315*	*5.097*	*1.327*	*0.719*	*0.837*
Int SD	*27.939*	*305.803*	*147.363*	*133.936*	*55.222*	*112.400*	*47.756*
RelInt Mean	0.000	0.001	0.036	0.006	0.006	0.006	-0.000
RelInt RSD	*7.148*	*1.933*	*0.725*	*5.092*	*1.773*	*1.058*	*12.469*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	0.001[mg/l]	0.001[mg/l]	0.120[mg/l]	4.906[mg/l]	1.927[mg/l]	0.004[mg/l]	<-0.004[mg/l]
Conc RSD	*8.722*	*33.616*	*0.738*	*5.888*	*1.760*	*1.089*	*9.832*
Conc SD	*0.000[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*	*0.289[mg/l]*	*0.034[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	64565.9	8439.19	9403.18	6448.33	6002.65	7697.77	5093.10
Int RSD	*0.532*	*0.687*	*0.262*	*0.846*	*0.006*	*0.845*	*2.650*
Int SD	*343.430*	*57.957*	*24.590*	*54.537*	*0.381*	*65.016*	*134.973*
RelInt Mean	0.142	0.000	0.001	0.000	0.000	-0.001	0.010
RelInt RSD	*1.450*	*10.709*	*4.845*	*82.635*	*26.785*	*7.140*	*3.744*
RelInt SD	*0.002*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	6.455[mg/l]	0.001[mg/l]	0.021[mg/l]	<0.002[mg/l]	<0.002[mg/l]	<-0.013[mg/l]	0.008[mg/l]
Conc RSD	*1.545*	*29.430*	*4.380*	*74.701*	*24.562*	*6.485*	*3.627*
Conc SD	*0.100[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	64559.6	5660.81	15824.1	1047180	18731900	403936	239113
Int RSD	*0.549*	*0.408*	*0.497*	*0.457*	*0.612*	*0.933*	*0.205*
Int SD	*354.368*	*23.071*	*78.632*	*4787.32*	*114720*	*3768.89*	*489.415*
RelInt Mean	0.000	-0.001	0.000	---	---	---	0.225
RelInt RSD	*2.169*	*2.937*	*3.234*	---	---	---	*0.666*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.001*
Conc Mean	0.002[mg/l]	<-0.059[mg/l]	<0.002[mg/l]	1037130	18661800	402647	0.600[mg/l]
Conc RSD	*3.120*	*3.493*	*44.133*	---	---	---	*0.694*
Conc SD	*0.000[mg/l]*	*0.002[mg/l]*	*0.001[mg/l]*	*4722.56*	*114785*	*3715.14*	*0.004[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	67.651	5956.66	38771.5	23990.3	7898.69	97176.9	
Int RSD	*38.698*	*1.980*	*0.441*	*0.500*	*0.405*	*0.531*	
Int SD	*26.179*	*117.923*	*170.860*	*119.875*	*32.011*	*515.558*	
RelInt Mean	-0.000	0.001	0.031	0.015	0.000	0.086	
RelInt RSD	*19.353*	*21.912*	*0.582*	*1.240*	*20.924*	*0.808*	
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.001*	
Conc Mean	<-0.001[mg/l]	<0.004[mg/l]	0.365[mg/l]	0.260[mg/l]	0.001[mg/l]	3.090[mg/l]	
Conc RSD	*33.685*	*62.049*	*0.594*	*1.248*	*28.443*	*0.807*	
Conc SD	*0.000[mg/l]*	*0.002[mg/l]*	*0.002[mg/l]*	*0.003[mg/l]*	*0.000[mg/l]*	*0.025[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467872-049	Client ID	: DOOR-N-0.1GE-EXT-2 TO 3-220823-L-CB
Seqnum	: 482341021096	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295615	Time	: 25-AUG-2022 00:52
Cal	: 482341021001	Caldate	: 24-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.131	110	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1159560	1041500	-10.18

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467872-049,295615			Sample Type: Unknown Sample
Measure Date: 2022-08-25 00:52:18	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	53553.9	4480.81	7038.28	8013.40	10484.6	51442.2	8558.67
Int RSD	*0.156*	*2.574*	*0.237*	*0.480*	*1.021*	*0.623*	*0.678*
Int SD	*83.414*	*115.339*	*16.692*	*38.460*	*107.087*	*320.389*	*58.027*
RelInt Mean	0.000	0.008	-0.000	0.001	0.002	0.127	0.001
RelInt RSD	*28.212*	*3.234*	*3.316*	*1.809*	*2.909*	*0.243*	*2.874*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	<-0.000[mg/l]	0.902[mg/l]	<-0.013[mg/l]	0.007[mg/l]	0.007[mg/l]	6.718[mg/l]	0.005[mg/l]
Conc RSD	*158.275*	*3.770*	*4.245*	*2.860*	*3.047*	*0.247*	*2.697*
Conc SD	*0.000[mg/l]*	*0.034[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.017[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7887.58	191121	12162100	1437.01	4950.81	271149	5902.75
Int RSD	*0.452*	*1.473*	*0.538*	*6.698*	*1.974*	*0.560*	*1.072*
Int SD	*35.655*	*2814.51*	*65444.4*	*96.244*	*97.724*	*1518.91*	*63.258*
RelInt Mean	0.001	0.008	11.783	0.003	0.008	0.254	-0.000
RelInt RSD	*0.992*	*1.447*	*0.488*	*6.304*	*1.536*	*0.263*	*9.316*
RelInt SD	*0.000*	*0.000*	*0.057*	*0.000*	*0.000*	*0.001*	*0.000*
Conc Mean	0.008[mg/l]	0.171[mg/l]	39.493[mg/l]	2.198[mg/l]	2.508[mg/l]	0.169[mg/l]	<-0.004[mg/l]
Conc RSD	*1.022*	*1.612*	*0.487*	*8.502*	*1.527*	*0.263*	*7.629*
Conc SD	*0.000[mg/l]*	*0.003[mg/l]*	*0.192[mg/l]*	*0.187[mg/l]*	*0.038[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	57026.0	12390.6	50765.4	6719.83	6381.76	9399.73	5818.43
Int RSD	*0.626*	*0.924*	*0.838*	*0.693*	*0.545*	*0.331*	*1.023*
Int SD	*357.161*	*114.523*	*425.391*	*46.584*	*34.752*	*31.109*	*59.516*
RelInt Mean	0.124	0.004	0.041	0.000	0.000	-0.000	0.012
RelInt RSD	*0.188*	*1.604*	*0.932*	*22.082*	*21.362*	*15.555*	*2.432*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	5.563[mg/l]	0.029[mg/l]	1.131[mg/l]	0.004[mg/l]	<0.002[mg/l]	<-0.003[mg/l]	0.010[mg/l]
Conc RSD	*0.203*	*1.686*	*0.931*	*21.308*	*19.187*	*8.286*	*2.367*
Conc SD	*0.011[mg/l]*	*0.000[mg/l]*	*0.011[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	168812	5989.30	16353.5	1041500	18867400	403582	388895
Int RSD	*4.238*	*0.653*	*0.793*	*0.367*	*0.803*	*0.488*	*0.325*
Int SD	*7154.25*	*39.100*	*129.692*	*3818.70*	*151470*	*1969.92*	*1264.27*
RelInt Mean	0.006	-0.001	0.000	---	---	---	0.371
RelInt RSD	*6.093*	*1.115*	*2.521*	---	---	---	*0.260*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.001*
Conc Mean	0.049[mg/l]	<-0.072[mg/l]	0.005[mg/l]	1031310	18797000	402256	1.007[mg/l]
Conc RSD	*6.200*	*1.298*	*16.974*	---	---	---	*0.267*
Conc SD	*0.003[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*3797.00*	*151396*	*1936.08*	*0.003[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	164.612	6138.04	147717	27644.7	8005.34	74274.4	
Int RSD	*67.257*	*1.715*	*1.066*	*1.560*	*0.697*	*0.502*	
Int SD	*110.713*	*105.248*	*1574.32*	*431.207*	*55.816*	*372.930*	
RelInt Mean	-0.000	0.001	0.136	0.018	0.000	0.064	
RelInt RSD	*137.414*	*25.111*	*0.957*	*2.093*	*7.319*	*0.724*	
RelInt SD	*0.000*	*0.000*	*0.001*	*0.000*	*0.000*	*0.000*	
Conc Mean	<0.000[mg/l]	0.009[mg/l]	1.644[mg/l]	0.310[mg/l]	0.000[mg/l]	2.291[mg/l]	
Conc RSD	*394.084*	*45.155*	*0.960*	*2.104*	*16.981*	*0.723*	
Conc SD	*0.001[mg/l]*	*0.004[mg/l]*	*0.016[mg/l]*	*0.007[mg/l]*	*0.000[mg/l]*	*0.017[mg/l]*	

ENTHALPY BLANK USER REPORT FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06 Lab ID : QC1008425
Seqnum : 482341021061.1 Matrix : Wipe
File : met06_master Batch : 295614 Time : 24-AUG-2022 22:58
Cal : 482341021001 Caldate : 24-AUG-2022
IDF : 1.0 Raw Units : mg/l Units : ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Flags
Lead	A	0	ND	0.50	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	1159560	1064260	-8.22

u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BLANK,QC1008425,295614			Sample Type: Unknown Sample
Measure Date: 2022-08-24 22:58:39	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	55299.0	1739.60	4528.63	7126.59	8259.29	2086.28	7610.24
Int RSD	*0.928*	*6.123*	*0.423*	*0.225*	*0.316*	*3.589*	*0.559*
Int SD	*513.376*	*106.510*	*19.151*	*15.999*	*26.109*	*74.877*	*42.562*
RelInt Mean	0.000	0.001	-0.000	0.001	0.000	0.005	-0.000
RelInt RSD	*13.215*	*35.002*	*7.036*	*1.953*	*19.570*	*4.175*	*293.882*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	<-0.000[mg/l]	<0.018[mg/l]	<-0.004[mg/l]	<0.001[mg/l]	<0.000[mg/l]	0.139[mg/l]	<0.000[mg/l]
Conc RSD	*445.782*	*320.582*	*13.077*	*16.299*	*61.186*	*7.516*	*137.017*
Conc SD	*0.000[mg/l]*	*0.059[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.010[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6592.10	60680.3	24135.1	826.517	1841.92	10323.1	5535.47
Int RSD	*0.149*	*0.821*	*22.985*	*9.256*	*5.412*	*0.605*	*0.994*
Int SD	*9.838*	*498.334*	*5547.53*	*76.500*	*99.693*	*62.464*	*55.013*
RelInt Mean	0.000	0.001	0.014	0.002	0.000	0.001	0.000
RelInt RSD	*12.335*	*0.110*	*38.134*	*15.924*	*143.346*	*6.047*	*6.425*
RelInt SD	*0.000*	*0.000*	*0.005*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	<0.000[mg/l]	<-0.001[mg/l]	0.045[mg/l]	<0.737[mg/l]	<0.037[mg/l]	0.001[mg/l]	<0.000[mg/l]
Conc RSD	*34.851*	*2.040*	*40.021*	*32.487*	*88.914*	*7.198*	*20.553*
Conc SD	*0.000[mg/l]*	*0.000[mg/l]*	*0.018[mg/l]*	*0.239[mg/l]*	*0.033[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	20844.2	8439.32	8670.05	6031.52	4926.85	4485.61	1155.62
Int RSD	*1.143*	*0.370*	*0.959*	*0.260*	*0.718*	*0.498*	*4.085*
Int SD	*238.145*	*31.255*	*83.188*	*15.693*	*35.365*	*22.333*	*47.209*
RelInt Mean	0.033	0.000	-0.000	0.000	0.000	0.000	-0.000
RelInt RSD	*1.498*	*7.582*	*94.908*	*13.419*	*74.645*	*22.651*	*513.324*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	1.162[mg/l]	0.001[mg/l]	<0.000[mg/l]	0.005[mg/l]	<0.002[mg/l]	<0.000[mg/l]	0.000[mg/l]
Conc RSD	*2.044*	*18.709*	*885.860*	*12.952*	*68.157*	*189.907*	*23.089*
Conc SD	*0.024[mg/l]*	*0.000[mg/l]*	*0.002[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	90768.0	4474.04	16206.6	1064260	18832800	407336	6943.81
Int RSD	*13.566*	*0.531*	*1.343*	*0.663*	*0.725*	*0.670*	*0.740*
Int SD	*12313.7*	*23.738*	*217.686*	*7061.26*	*136576*	*2727.57*	*51.400*
RelInt Mean	0.002	-0.000	0.000	---	---	---	0.001
RelInt RSD	*42.570*	*7.022*	*2.612*	---	---	---	*1.821*
RelInt SD	*0.001*	*0.000*	*0.000*	---	---	---	*0.000*
Conc Mean	0.013[mg/l]	<-0.017[mg/l]	<0.003[mg/l]	1054070	18760700	405924	<-0.021[mg/l]
Conc RSD	*45.441*	*11.578*	*29.074*	---	---	---	*0.310*
Conc SD	*0.006[mg/l]*	*0.002[mg/l]*	*0.001[mg/l]*	*7020.14*	*136301*	*2771.14*	*0.000[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	108.814	6315.62	10099.4	5898.45	7862.40	6708.15	
Int RSD	*34.675*	*1.534*	*0.471*	*1.487*	*0.425*	*0.546*	
Int SD	*37.731*	*96.909*	*47.609*	*87.686*	*33.409*	*36.636*	
RelInt Mean	-0.000	0.001	0.003	0.000	0.000	0.000	
RelInt RSD	*31.424*	*15.875*	*1.224*	*15.140*	*9.926*	*136.122*	
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	
Conc Mean	<-0.000[mg/l]	<0.006[mg/l]	0.028[mg/l]	0.006[mg/l]	0.000[mg/l]	<0.003[mg/l]	
Conc RSD	*88.359*	*35.279*	*1.495*	*19.391*	*18.519*	*20.646*	
Conc SD	*0.000[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*	

ENTHALPY BLANK USER REPORT FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06 Lab ID : QC1008428
Seqnum : 482341021090.1 Matrix : Wipe
File : met06_master Batch : 295615 Time : 25-AUG-2022 00:32
Cal : 482341021001 Caldate : 24-AUG-2022
IDF : 1.0 Raw Units : mg/l Units : ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Flags
Lead	A	-0.001000	ND	0.50	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	1159560	1043180	-10.04

u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BLANK,QC1008428,295615			Sample Type: Unknown Sample
Measure Date: 2022-08-25 00:32:48	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	55274.8	1595.10	4443.86	6894.13	8195.52	2057.73	7528.83
Int RSD	*0.758*	*4.998*	*0.877*	*0.276*	*0.223*	*3.732*	*0.782*
Int SD	*418.968*	*79.725*	*38.987*	*19.005*	*18.313*	*76.788*	*58.859*
RelInt Mean	0.000	0.001	-0.000	0.000	0.000	0.005	0.000
RelInt RSD	*23.983*	*26.432*	*14.508*	*16.542*	*25.638*	*6.502*	*2460.47*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	<0.000[mg/l]	<-0.026[mg/l]	<-0.006[mg/l]	<-0.001[mg/l]	<0.000[mg/l]	0.146[mg/l]	<0.000[mg/l]
Conc RSD	*114.784*	*128.605*	*23.385*	*80.645*	*51.825*	*11.473*	*84.300*
Conc SD	*0.000[mg/l]*	*0.033[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.017[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6553.76	61941.5	15631.3	427.842	1797.07	10560.2	5706.41
Int RSD	*0.812*	*1.457*	*1.723*	*14.100*	*2.672*	*0.821*	*2.205*
Int SD	*53.199*	*902.252*	*269.258*	*60.327*	*48.026*	*86.679*	*125.818*
RelInt Mean	0.000	0.001	0.006	0.001	-0.000	0.001	0.000
RelInt RSD	*46.291*	*6.558*	*5.030*	*10.606*	*809.520*	*5.726*	*34.462*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	<0.000[mg/l]	<0.001[mg/l]	0.019[mg/l]	<-0.145[mg/l]	<0.004[mg/l]	0.001[mg/l]	0.002[mg/l]
Conc RSD	*75.206*	*121.906*	*5.631*	*45.421*	*2089.74*	*6.528*	*47.453*
Conc SD	*0.000[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.066[mg/l]*	*0.082[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	15522.1	8306.71	8499.91	6015.26	4863.85	4801.43	1121.81
Int RSD	*1.364*	*0.819*	*0.368*	*0.417*	*0.595*	*2.392*	*13.093*
Int SD	*211.704*	*68.005*	*31.298*	*25.058*	*28.954*	*114.828*	*146.879*
RelInt Mean	0.020	0.000	-0.000	0.000	0.000	0.000	-0.000
RelInt RSD	*3.096*	*17.112*	*46.114*	*25.183*	*29.982*	*28.669*	*604.354*
RelInt SD	*0.001*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	0.555[mg/l]	0.001[mg/l]	<-0.001[mg/l]	0.007[mg/l]	<0.002[mg/l]	0.006[mg/l]	<0.000[mg/l]
Conc RSD	*5.457*	*48.806*	*185.774*	*24.538*	*27.701*	*34.052*	*53.310*
Conc SD	*0.030[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*	*0.002[mg/l]*	*0.001[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	70427.2	4453.13	16359.3	1043180	18587900	399502	8033.04
Int RSD	*3.378*	*0.360*	*1.302*	*0.410*	*0.564*	*0.998*	*0.838*
Int SD	*2379.29*	*16.044*	*213.050*	*4271.97*	*104904*	*3986.75*	*67.318*
RelInt Mean	0.001	-0.000	0.000	---	---	---	0.002
RelInt RSD	*25.352*	*5.434*	*3.915*	---	---	---	*2.261*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.000*
Conc Mean	0.004[mg/l]	<-0.016[mg/l]	0.005[mg/l]	1033090	18516400	398124	<-0.018[mg/l]
Conc RSD	*31.041*	*9.177*	*25.561*	---	---	---	*0.837*
Conc SD	*0.001[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*4219.70*	*105155*	*3973.67*	*0.000[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	24.528	6154.23	9936.40	5920.59	7786.40	7142.63	
Int RSD	*196.340*	*1.296*	*0.439*	*2.142*	*0.722*	*0.586*	
Int SD	*48.157*	*79.730*	*43.662*	*126.839*	*56.248*	*41.849*	
RelInt Mean	-0.000	0.001	0.003	0.000	0.000	0.000	
RelInt RSD	*50.448*	*21.926*	*2.757*	*30.422*	*11.492*	*9.785*	
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	
Conc Mean	<-0.001[mg/l]	<0.004[mg/l]	0.028[mg/l]	0.007[mg/l]	0.001[mg/l]	0.019[mg/l]	
Conc RSD	*94.088*	*58.077*	*3.331*	*38.220*	*19.763*	*8.557*	
Conc SD	*0.001[mg/l]*	*0.002[mg/l]*	*0.001[mg/l]*	*0.003[mg/l]*	*0.000[mg/l]*	*0.002[mg/l]*	

ENTHALPY SPIKE USER REPORT FOR 467872 METALS Wipe
EPA 6010B

Type : BS
Inst : MET06
Seqnum : 482341021062.1
File : met06_master
IDF : 1.0
Lab ID : QC1008426
Matrix : Wipe
Batch : 295614
Time : 24-AUG-2022 23:01
Cal : 482341021001
Units : ug/ft2

Type : BSD
Inst : MET06
Seqnum : 482341021063.1
File : met06_master
IDF : 1.0
Lab ID : QC1008427
Matrix : Wipe
Batch : 295614
Time : 24-AUG-2022 23:05
Cal : 482341021001

BS: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF
BSD: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Lead	100.0	1.009	100.9	A	101	1.004	100.4	A	100	80-120	0	20	!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	1159560	1055460	-8.98

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	1159560	1053430	-9.15

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BS,QC1008426,295614			Sample Type: Unknown Sample
Measure Date: 2022-08-24 23:01:54	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	329463	4697.28	34557.2	113479	318654	10215.4	208092
Int RSD	*1.514*	*0.180*	*0.336*	*0.132*	*0.348*	*1.427*	*0.424*
Int SD	*4989.55*	*8.453*	*116.259*	*149.687*	*1109.98*	*145.792*	*881.623*
RelInt Mean	0.015	0.009	0.028	0.102	0.297	0.025	0.192
RelInt RSD	*1.836*	*1.951*	*0.965*	*0.796*	*0.548*	*2.189*	*0.416*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.001*	*0.002*	*0.001*	*0.001*
Conc Mean	0.485[mg/l]	1.046[mg/l]	0.987[mg/l]	0.979[mg/l]	1.030[mg/l]	1.234[mg/l]	1.019[mg/l]
Conc RSD	*1.840*	*2.230*	*0.962*	*0.800*	*0.549*	*2.387*	*0.417*
Conc SD	*0.009[mg/l]*	*0.023[mg/l]*	*0.009[mg/l]*	*0.008[mg/l]*	*0.006[mg/l]*	*0.029[mg/l]*	*0.004[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	162517	816183	357806	5103.71	3426.76	1696460	153320
Int RSD	*0.293*	*2.086*	*0.345*	*0.513*	*1.354*	*0.236*	*0.668*
Int SD	*475.801*	*17027.7*	*1235.50*	*26.188*	*46.405*	*4002.18*	*1024.81*
RelInt Mean	0.149	0.041	0.333	0.012	0.004	1.614	0.141
RelInt RSD	*0.540*	*2.197*	*0.521*	*0.465*	*2.666*	*1.082*	*0.243*
RelInt SD	*0.001*	*0.001*	*0.002*	*0.000*	*0.000*	*0.017*	*0.000*
Conc Mean	1.037[mg/l]	0.994[mg/l]	1.115[mg/l]	10.537[mg/l]	1.245[mg/l]	1.076[mg/l]	1.055[mg/l]
Conc RSD	*0.540*	*2.240*	*0.522*	*0.499*	*2.635*	*1.081*	*0.243*
Conc SD	*0.006[mg/l]*	*0.022[mg/l]*	*0.006[mg/l]*	*0.053[mg/l]*	*0.033[mg/l]*	*0.012[mg/l]*	*0.003[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	28798.3	145860	46828.8	34082.0	30315.3	4601.36	513244
Int RSD	*0.446*	*0.014*	*0.410*	*0.044*	*0.496*	*1.328*	*0.395*
Int SD	*128.408*	*19.858*	*191.780*	*14.983*	*150.330*	*61.090*	*2024.84*
RelInt Mean	0.053	0.132	0.036	0.027	0.024	0.000	1.285
RelInt RSD	*0.309*	*0.858*	*1.284*	*0.914*	*1.372*	*63.384*	*0.444*
RelInt SD	*0.000*	*0.001*	*0.000*	*0.000*	*0.000*	*0.000*	*0.006*
Conc Mean	2.163[mg/l]	1.006[mg/l]	1.009[mg/l]	0.967[mg/l]	0.815[mg/l]	<0.000[mg/l]	1.044[mg/l]
Conc RSD	*0.370*	*0.859*	*1.282*	*0.917*	*1.372*	*268.860*	*0.443*
Conc SD	*0.008[mg/l]*	*0.009[mg/l]*	*0.013[mg/l]*	*0.009[mg/l]*	*0.011[mg/l]*	*0.001[mg/l]*	*0.005[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2299110	20169.2	131246	1055460	18707000	399971	375106
Int RSD	*1.534*	*0.058*	*2.256*	*0.843*	*0.409*	*0.065*	*0.107*
Int SD	*35259.6*	*11.620*	*2961.24*	*8899.99*	*76541.4*	*258.051*	*403.041*
RelInt Mean	0.120	0.014	0.006	---	---	---	0.353
RelInt RSD	*1.475*	*0.903*	*2.336*	---	---	---	*0.746*
RelInt SD	*0.002*	*0.000*	*0.000*	---	---	---	*0.003*
Conc Mean	1.015[mg/l]	1.002[mg/l]	0.967[mg/l]	1045160	18634500	398533	0.957[mg/l]
Conc RSD	*1.476*	*0.897*	*2.399*	---	---	---	*0.766*
Conc SD	*0.015[mg/l]*	*0.009[mg/l]*	*0.023[mg/l]*	*8904.88*	*76388.6*	*305.158*	*0.007[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	132953	46687.1	364459	6346.74	334043	6879.30	
Int RSD	*0.074*	*0.258*	*0.284*	*1.246*	*0.298*	*0.992*	
Int SD	*98.534*	*120.553*	*1035.47*	*79.065*	*994.133*	*68.247*	
RelInt Mean	0.333	0.102	0.342	0.001	0.312	0.000	
RelInt RSD	*0.160*	*0.249*	*0.582*	*8.958*	*0.626*	*43.043*	
RelInt SD	*0.001*	*0.000*	*0.002*	*0.000*	*0.002*	*0.000*	
Conc Mean	1.002[mg/l]	1.099[mg/l]	4.102[mg/l]	0.012[mg/l]	1.014[mg/l]	0.006[mg/l]	
Conc RSD	*0.159*	*0.251*	*0.585*	*10.210*	*0.625*	*27.446*	
Conc SD	*0.002[mg/l]*	*0.003[mg/l]*	*0.024[mg/l]*	*0.001[mg/l]*	*0.006[mg/l]*	*0.002[mg/l]*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BSD,QC1008427,295614			Sample Type: Unknown Sample
Measure Date: 2022-08-24 23:05:10	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	330857	4724.99	34366.0	114218	319050	10513.2	207154
Int RSD	*1.256*	*3.950*	*0.406*	*0.148*	*0.468*	*2.694*	*0.701*
Int SD	*4155.70*	*186.627*	*139.495*	*168.945*	*1494.48*	*283.202*	*1451.57*
RelInt Mean	0.015	0.008	0.028	0.103	0.298	0.026	0.191
RelInt RSD	*1.171*	*6.959*	*0.318*	*0.445*	*0.246*	*2.761*	*0.477*
RelInt SD	*0.000*	*0.001*	*0.000*	*0.000*	*0.001*	*0.001*	*0.001*
Conc Mean	0.486[mg/l]	1.012[mg/l]	0.982[mg/l]	0.987[mg/l]	1.033[mg/l]	1.266[mg/l]	1.017[mg/l]
Conc RSD	*1.174*	*7.988*	*0.317*	*0.447*	*0.246*	*3.004*	*0.478*
Conc SD	*0.006[mg/l]*	*0.081[mg/l]*	*0.003[mg/l]*	*0.004[mg/l]*	*0.003[mg/l]*	*0.038[mg/l]*	*0.005[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	162461	820400	358371	5396.61	3389.34	1699460	153006
Int RSD	*0.474*	*1.591*	*0.216*	*2.656*	*2.276*	*0.600*	*0.296*
Int SD	*769.620*	*13052.3*	*775.643*	*143.354*	*77.138*	*10198.9*	*453.218*
RelInt Mean	0.149	0.041	0.334	0.013	0.004	1.620	0.141
RelInt RSD	*0.332*	*1.473*	*0.086*	*2.872*	*5.020*	*0.740*	*0.068*
RelInt SD	*0.000*	*0.001*	*0.000*	*0.000*	*0.000*	*0.012*	*0.000*
Conc Mean	1.038[mg/l]	0.998[mg/l]	1.119[mg/l]	11.025[mg/l]	1.170[mg/l]	1.080[mg/l]	1.055[mg/l]
Conc RSD	*0.332*	*1.502*	*0.086*	*3.072*	*4.960*	*0.741*	*0.068*
Conc SD	*0.003[mg/l]*	*0.015[mg/l]*	*0.001[mg/l]*	*0.339[mg/l]*	*0.058[mg/l]*	*0.008[mg/l]*	*0.001[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	28744.0	145632	46619.4	34055.7	30098.9	4616.06	516114
Int RSD	*0.974*	*0.412*	*0.239*	*0.161*	*0.199*	*1.351*	*0.403*
Int SD	*279.934*	*599.972*	*111.273*	*54.941*	*59.830*	*62.341*	*2078.65*
RelInt Mean	0.053	0.132	0.036	0.027	0.024	0.000	1.283
RelInt RSD	*1.413*	*0.196*	*0.277*	*0.294*	*0.391*	*62.078*	*0.773*
RelInt SD	*0.001*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.010*
Conc Mean	2.119[mg/l]	1.006[mg/l]	1.004[mg/l]	0.968[mg/l]	0.810[mg/l]	<0.001[mg/l]	1.042[mg/l]
Conc RSD	*1.695*	*0.196*	*0.279*	*0.296*	*0.391*	*170.911*	*0.773*
Conc SD	*0.036[mg/l]*	*0.002[mg/l]*	*0.003[mg/l]*	*0.003[mg/l]*	*0.003[mg/l]*	*0.001[mg/l]*	*0.008[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2300250	20111.2	132179	1053430	18738900	402816	373884
Int RSD	*1.577*	*0.303*	*1.384*	*0.246*	*0.260*	*0.788*	*0.381*
Int SD	*36285.5*	*61.032*	*1828.92*	*2588.29*	*48671.6*	*3174.54*	*1425.12*
RelInt Mean	0.120	0.014	0.006	---	---	---	0.353
RelInt RSD	*1.454*	*0.395*	*1.322*	---	---	---	*0.318*
RelInt SD	*0.002*	*0.000*	*0.000*	---	---	---	*0.001*
Conc Mean	1.014[mg/l]	0.999[mg/l]	0.973[mg/l]	1043080	18666400	401375	0.956[mg/l]
Conc RSD	*1.455*	*0.396*	*1.358*	---	---	---	*0.327*
Conc SD	*0.015[mg/l]*	*0.004[mg/l]*	*0.013[mg/l]*	*2596.75*	*48209.7*	*3153.53*	*0.003[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	133617	47009.6	388930	6439.34	332930	6905.99	
Int RSD	*0.147*	*0.767*	*0.339*	*1.468*	*0.377*	*0.378*	
Int SD	*197.008*	*360.352*	*1317.95*	*94.522*	*1253.80*	*26.113*	
RelInt Mean	0.332	0.102	0.366	0.001	0.311	0.000	
RelInt RSD	*0.819*	*0.997*	*0.156*	*12.204*	*0.251*	*22.837*	
RelInt SD	*0.003*	*0.001*	*0.001*	*0.000*	*0.001*	*0.000*	
Conc Mean	1.000[mg/l]	1.097[mg/l]	4.394[mg/l]	0.014[mg/l]	1.012[mg/l]	0.007[mg/l]	
Conc RSD	*0.819*	*1.004*	*0.157*	*13.724*	*0.251*	*14.917*	
Conc SD	*0.008[mg/l]*	*0.011[mg/l]*	*0.007[mg/l]*	*0.002[mg/l]*	*0.003[mg/l]*	*0.001[mg/l]*	

ENTHALPY SPIKE USER REPORT FOR 467872 METALS Wipe
EPA 6010B

Type : BS
Inst : MET06
Seqnum : 482341021091.1
File : met06_master
IDF : 1.0
Lab ID : QC1008429
Matrix : Wipe
Batch : 295615
Time : 25-AUG-2022 00:36
Cal : 482341021001
Units : ug/ft2

Type : BSD
Inst : MET06
Seqnum : 482341021092.1
File : met06_master
IDF : 1.0
Lab ID : QC1008430
Matrix : Wipe
Batch : 295615
Time : 25-AUG-2022 00:39
Cal : 482341021001

BS: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF
BSD: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Lead	100.0	0.9800	98.00	A	98	1.006	100.6	A	101	80-120	3	20	!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	1159560	1058050	-8.75

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	1159560	1040490	-10.27

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BS,QC1008429,295615			Sample Type: Unknown Sample
Measure Date: 2022-08-25 00:36:04	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	327023	4616.03	35004.9	113682	313409	10277.3	202367
Int RSD	*1.625*	*2.181*	*0.553*	*0.459*	*0.383*	*0.873*	*0.394*
Int SD	*5313.53*	*100.692*	*193.698*	*522.008*	*1200.02*	*89.703*	*798.012*
RelInt Mean	0.014	0.008	0.029	0.102	0.291	0.025	0.185
RelInt RSD	*1.466*	*1.350*	*0.470*	*0.227*	*0.265*	*0.388*	*0.155*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.001*	*0.000*	*0.000*
Conc Mean	0.474[mg/l]	0.992[mg/l]	0.999[mg/l]	0.978[mg/l]	1.010[mg/l]	1.245[mg/l]	0.987[mg/l]
Conc RSD	*1.470*	*1.554*	*0.468*	*0.229*	*0.266*	*0.424*	*0.152*
Conc SD	*0.007[mg/l]*	*0.015[mg/l]*	*0.005[mg/l]*	*0.002[mg/l]*	*0.003[mg/l]*	*0.005[mg/l]*	*0.002[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	157834	786446	346070	4656.42	3353.07	1666110	148125
Int RSD	*0.379*	*2.132*	*0.236*	*1.081*	*2.773*	*0.371*	*0.584*
Int SD	*598.469*	*16765.2*	*815.423*	*50.352*	*92.966*	*6186.02*	*865.520*
RelInt Mean	0.144	0.039	0.321	0.011	0.004	1.581	0.136
RelInt RSD	*0.168*	*1.820*	*0.021*	*2.258*	*5.456*	*0.622*	*0.371*
RelInt SD	*0.000*	*0.001*	*0.000*	*0.000*	*0.000*	*0.010*	*0.001*
Conc Mean	1.003[mg/l]	0.943[mg/l]	1.074[mg/l]	9.502[mg/l]	1.231[mg/l]	1.053[mg/l]	1.015[mg/l]
Conc RSD	*0.168*	*1.857*	*0.021*	*2.440*	*5.394*	*0.623*	*0.371*
Conc SD	*0.002[mg/l]*	*0.018[mg/l]*	*0.000[mg/l]*	*0.232[mg/l]*	*0.066[mg/l]*	*0.007[mg/l]*	*0.004[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	24334.2	141801	45797.4	33846.8	32269.3	4610.36	505964
Int RSD	*0.711*	*0.350*	*0.024*	*0.327*	*0.401*	*0.318*	*0.734*
Int SD	*172.987*	*496.018*	*11.086*	*110.684*	*129.500*	*14.639*	*3713.55*
RelInt Mean	0.042	0.127	0.035	0.027	0.026	0.000	1.258
RelInt RSD	*1.544*	*0.270*	*0.190*	*0.209*	*0.322*	*21.207*	*0.326*
RelInt SD	*0.001*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.004*
Conc Mean	1.611[mg/l]	0.973[mg/l]	0.980[mg/l]	0.957[mg/l]	0.878[mg/l]	<0.000[mg/l]	1.023[mg/l]
Conc RSD	*1.950*	*0.270*	*0.190*	*0.209*	*0.322*	*544.060*	*0.327*
Conc SD	*0.031[mg/l]*	*0.003[mg/l]*	*0.002[mg/l]*	*0.002[mg/l]*	*0.003[mg/l]*	*0.000[mg/l]*	*0.003[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2226210	19919.3	128545	1058050	18929800	402440	369416
Int RSD	*2.276*	*0.332*	*2.040*	*0.251*	*0.459*	*0.751*	*0.359*
Int SD	*50662.4*	*66.055*	*2622.12*	*2656.36*	*86948.4*	*3022.42*	*1327.36*
RelInt Mean	0.115	0.014	0.006	---	---	---	0.347
RelInt RSD	*1.952*	*0.210*	*1.772*	---	---	---	*0.142*
RelInt SD	*0.002*	*0.000*	*0.000*	---	---	---	*0.000*
Conc Mean	0.971[mg/l]	0.996[mg/l]	0.930[mg/l]	1047930	18856600	401092	0.940[mg/l]
Conc RSD	*1.953*	*0.203*	*1.822*	---	---	---	*0.146*
Conc SD	*0.019[mg/l]*	*0.002[mg/l]*	*0.017[mg/l]*	*2634.01*	*86788.7*	*3046.15*	*0.001[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	130170	45431.6	270309	6402.26	328595	7180.56	
Int RSD	*0.780*	*1.230*	*0.259*	*2.624*	*0.253*	*0.188*	
Int SD	*1015.09*	*558.722*	*699.387*	*168.013*	*831.887*	*13.487*	
RelInt Mean	0.324	0.098	0.251	0.001	0.306	0.000	
RelInt RSD	*0.469*	*1.930*	*0.098*	*20.994*	*0.028*	*5.877*	
RelInt SD	*0.002*	*0.002*	*0.000*	*0.000*	*0.000*	*0.000*	
Conc Mean	0.975[mg/l]	1.059[mg/l]	3.007[mg/l]	0.010[mg/l]	0.994[mg/l]	0.010[mg/l]	
Conc RSD	*0.468*	*1.942*	*0.099*	*24.416*	*0.026*	*4.479*	
Conc SD	*0.005[mg/l]*	*0.021[mg/l]*	*0.003[mg/l]*	*0.003[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BSD,QC1008430,295615			Sample Type: Unknown Sample
Measure Date: 2022-08-25 00:39:19	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	329996	4722.72	34389.4	113465	317337	10448.8	204576
Int RSD	*1.782*	*0.563*	*0.332*	*0.224*	*0.192*	*0.558*	*0.249*
Int SD	*5880.65*	*26.609*	*114.339*	*253.923*	*609.864*	*58.332*	*509.583*
RelInt Mean	0.015	0.009	0.029	0.104	0.300	0.026	0.191
RelInt RSD	*1.751*	*1.068*	*0.486*	*0.517*	*0.356*	*0.418*	*0.234*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.001*	*0.001*	*0.000*	*0.000*
Conc Mean	0.488[mg/l]	1.043[mg/l]	0.996[mg/l]	0.993[mg/l]	1.041[mg/l]	1.282[mg/l]	1.016[mg/l]
Conc RSD	*1.755*	*1.222*	*0.484*	*0.519*	*0.357*	*0.454*	*0.237*
Conc SD	*0.009[mg/l]*	*0.013[mg/l]*	*0.005[mg/l]*	*0.005[mg/l]*	*0.004[mg/l]*	*0.006[mg/l]*	*0.002[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	160187	812666	352410	4919.37	3406.67	1681070	151650
Int RSD	*0.545*	*2.214*	*0.135*	*1.018*	*0.826*	*0.495*	*0.234*
Int SD	*873.651*	*17995.0*	*473.994*	*50.102*	*28.125*	*8314.73*	*355.542*
RelInt Mean	0.149	0.041	0.333	0.012	0.004	1.623	0.142
RelInt RSD	*0.089*	*1.983*	*0.343*	*0.843*	*3.839*	*0.557*	*0.218*
RelInt SD	*0.000*	*0.001*	*0.001*	*0.000*	*0.000*	*0.009*	*0.000*
Conc Mean	1.036[mg/l]	0.993[mg/l]	1.114[mg/l]	10.234[mg/l]	1.304[mg/l]	1.081[mg/l]	1.058[mg/l]
Conc RSD	*0.089*	*2.021*	*0.344*	*0.907*	*3.798*	*0.557*	*0.218*
Conc SD	*0.001[mg/l]*	*0.020[mg/l]*	*0.004[mg/l]*	*0.093[mg/l]*	*0.050[mg/l]*	*0.006[mg/l]*	*0.002[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	25332.2	143221	46154.2	33966.5	30348.2	4559.47	512312
Int RSD	*1.029*	*0.417*	*0.292*	*0.346*	*0.117*	*1.082*	*0.051*
Int SD	*260.590*	*596.722*	*134.704*	*117.589*	*35.392*	*49.338*	*262.957*
RelInt Mean	0.045	0.131	0.036	0.027	0.025	0.000	1.291
RelInt RSD	*1.487*	*0.239*	*0.269*	*0.569*	*0.551*	*49.740*	*0.178*
RelInt SD	*0.001*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.002*
Conc Mean	1.766[mg/l]	1.001[mg/l]	1.006[mg/l]	0.978[mg/l]	0.830[mg/l]	<0.001[mg/l]	1.049[mg/l]
Conc RSD	*1.843*	*0.239*	*0.269*	*0.573*	*0.551*	*135.898*	*0.178*
Conc SD	*0.033[mg/l]*	*0.002[mg/l]*	*0.003[mg/l]*	*0.006[mg/l]*	*0.005[mg/l]*	*0.001[mg/l]*	*0.002[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2275860	20021.2	130236	1040490	18639600	397095	370912
Int RSD	*1.858*	*0.196*	*2.602*	*0.447*	*0.449*	*0.158*	*0.406*
Int SD	*42293.2*	*39.310*	*3389.37*	*4646.23*	*83604.5*	*629.363*	*1505.90*
RelInt Mean	0.119	0.015	0.006	---	---	---	0.354
RelInt RSD	*1.529*	*0.154*	*2.444*	---	---	---	*0.073*
RelInt SD	*0.002*	*0.000*	*0.000*	---	---	---	*0.000*
Conc Mean	1.008[mg/l]	1.009[mg/l]	0.963[mg/l]	1030240	18567500	395776	0.960[mg/l]
Conc RSD	*1.530*	*0.153*	*2.512*	---	---	---	*0.075*
Conc SD	*0.015[mg/l]*	*0.002[mg/l]*	*0.024[mg/l]*	*4662.93*	*83591.3*	*640.001*	*0.001[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	131478	46793.5	317032	6181.09	329909	7194.69	
Int RSD	*0.291*	*0.899*	*0.372*	*2.025*	*0.086*	*0.340*	
Int SD	*382.509*	*420.442*	*1179.51*	*125.180*	*282.826*	*24.450*	
RelInt Mean	0.331	0.103	0.301	0.001	0.312	0.000	
RelInt RSD	*0.259*	*0.868*	*0.113*	*15.875*	*0.373*	*6.497*	
RelInt SD	*0.001*	*0.001*	*0.000*	*0.000*	*0.001*	*0.000*	
Conc Mean	0.998[mg/l]	1.112[mg/l]	3.606[mg/l]	0.010[mg/l]	1.015[mg/l]	0.018[mg/l]	
Conc RSD	*0.259*	*0.873*	*0.113*	*18.630*	*0.374*	*5.658*	
Conc SD	*0.003[mg/l]*	*0.010[mg/l]*	*0.004[mg/l]*	*0.002[mg/l]*	*0.004[mg/l]*	*0.001[mg/l]*	

ENTHALPY INITIAL CALIBRATION FOR 467872 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482341021001	Date:	24-AUG-2022 19:41
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482341021002	L1	24-AUG-2022 19:45	S17110, S13369 (100X)
L2	met06_master	482341021003	L2	24-AUG-2022 19:48	S17109, S13369 (100X)
L3	met06_master	482341021004	L3	24-AUG-2022 19:51	S17108, S13369 (100X)
L4	met06_master	482341021005	L4	24-AUG-2022 19:55	S17107, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0000	0.0400	0.0370	0.0360	WB1K	-3.2E-5	27.7699		0.0283	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	**-101**	0.1000	11	1.0000	3	10.000	0

KLN 08/25/22 : Can't report 1st point: As, B, Cr, Pb, Mo, Ni, Sn, Zn, Li, and Mg

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06
Calnum : 482341021001 Cal Date : 24-AUG-2022

ICV 482341021010 (24-AUG-2022) stds: S17024, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	1.086	mg/l	9	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICALBLK,CALBLANK			Sample Type: Calibration Sample
Measure Date: 2022-08-24 19:41:58	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	63669.3	1970.94	5168.85	8117.84	9255.37	1103.50	8659.91
Int RSD	*0.233*	*2.906*	*1.045*	*0.368*	*0.644*	*3.379*	*0.445*
Int SD	*148.626*	*57.266*	*54.016*	*29.855*	*59.593*	*37.290*	*38.508*
RelInt Mean	0.000	0.001	-0.000	0.000	0.000	0.002	-0.000
RelInt RSD	*38.488*	*7.324*	*26.214*	*3.858*	*47.886*	*11.094*	*101.347*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7484.80	69205.5	11352.6	547.657	2115.65	10474.9	6129.26
Int RSD	*0.529*	*0.099*	*1.745*	*19.581*	*0.782*	*0.596*	*0.731*
Int SD	*39.583*	*68.808*	*198.089*	*107.237*	*16.543*	*62.382*	*44.800*
RelInt Mean	0.000	0.001	0.001	0.001	-0.000	0.000	0.000
RelInt RSD	*48.249*	*1.592*	*26.204*	*22.959*	*298.386*	*25.578*	*41.693*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	11884.4	9495.45	9669.77	6663.45	5359.54	5068.73	1254.14
Int RSD	*1.740*	*0.179*	*0.362*	*0.237*	*0.287*	*0.909*	*2.190*
Int SD	*206.842*	*16.965*	*34.971*	*15.810*	*15.391*	*46.080*	*27.462*
RelInt Mean	0.009	0.000	-0.000	-0.000	-0.000	0.000	-0.000
RelInt RSD	*4.688*	*12.288*	*44.001*	*361.107*	*588.628*	*61.203*	*11.712*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	70732.1	4916.91	18389.2	1159560	19709800	417619	16601.1
Int RSD	*0.478*	*0.373*	*0.718*	*0.264*	*0.511*	*0.521*	*58.825*
Int SD	*338.316*	*18.332*	*132.082*	*3064.18*	*100631*	*2176.17*	*9765.52*
RelInt Mean	0.000	-0.000	0.000	---	---	---	0.009
RelInt RSD	*28.109*	*7.542*	*1.892*	---	---	---	*94.669*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.008*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	234.323	6659.16	8653.30	6378.90	8822.70	7586.55	
Int RSD	*50.745*	*0.948*	*0.672*	*0.514*	*0.184*	*0.488*	
Int SD	*118.908*	*63.127*	*58.159*	*32.786*	*16.265*	*37.005*	
RelInt Mean	-0.000	0.001	0.001	0.000	0.000	-0.000	
RelInt RSD	*118.424*	*14.385*	*10.373*	*43.603*	*25.924*	*15.063*	
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L1,S17110			Sample Type: Calibration Sample
Measure Date: 2022-08-24 19:45:15	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	64577.3	1979.06	5316.53	8572.23	10530.5	1971.88	9124.00
Int RSD	*0.700*	*6.157*	*0.210*	*0.686*	*0.628*	*2.448*	*0.145*
Int SD	*451.966*	*121.843*	*11.160*	*58.812*	*66.098*	*48.273*	*13.214*
RelInt Mean	0.000	0.001	0.000	0.001	0.001	0.004	0.000
RelInt RSD	*28.657*	*32.777*	*710.734*	*5.884*	*2.964*	*2.380*	*10.667*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	8217.33	72614.7	15032.9	729.581	2344.09	17058.4	6626.56
Int RSD	*0.711*	*0.591*	*0.591*	*10.379*	*4.221*	*0.260*	*0.840*
Int SD	*58.465*	*429.432*	*88.812*	*75.726*	*98.949*	*44.358*	*55.650*
RelInt Mean	0.001	0.001	0.004	0.001	0.000	0.006	0.001
RelInt RSD	*7.310*	*0.905*	*2.674*	*14.991*	*27.385*	*0.393*	*9.601*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	16753.5	10153.7	9871.22	7004.55	5761.85	5265.20	10526.3
Int RSD	*1.098*	*0.364*	*0.755*	*0.256*	*0.863*	*0.229*	*0.699*
Int SD	*184.021*	*36.929*	*74.576*	*17.907*	*49.704*	*12.059*	*73.548*
RelInt Mean	0.020	0.001	0.000	0.000	0.000	0.000	0.022
RelInt RSD	*2.280*	*2.942*	*83.327*	*11.287*	*11.598*	*16.125*	*0.853*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	77903.9	5077.06	18828.1	1171490	19913800	416652	11523.6
Int RSD	*0.875*	*0.977*	*1.106*	*0.061*	*0.539*	*0.534*	*1.074*
Int SD	*681.478*	*49.602*	*208.155*	*709.295*	*107420*	*2223.88*	*123.718*
RelInt Mean	0.000	-0.000	0.000	---	---	---	0.004
RelInt RSD	*3.330*	*963.005*	*3.406*	---	---	---	*2.438*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.000*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	204.289	6821.32	18541.4	75613.8	9550.77	41025.8	
Int RSD	*63.416*	*0.884*	*0.833*	*0.241*	*0.326*	*0.360*	
Int SD	*129.551*	*60.294*	*154.409*	*182.429*	*31.096*	*147.523*	
RelInt Mean	-0.000	0.001	0.009	0.060	0.001	0.029	
RelInt RSD	*143.301*	*7.984*	*1.354*	*0.227*	*1.892*	*0.380*	
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L2,S17109			Sample Type: Calibration Sample
Measure Date: 2022-08-24 19:48:32	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	64024.0	2506.90	8760.03	20541.0	44816.5	1113.18	20422.9
Int RSD	*0.669*	*3.164*	*0.031*	*0.535*	*0.229*	*8.165*	*0.936*
Int SD	*428.416*	*79.326*	*2.738*	*109.820*	*102.830*	*90.890*	*191.216*
RelInt Mean	0.000	0.002	0.003	0.011	0.031	0.002	0.010
RelInt RSD	*15.257*	*6.949*	*0.374*	*0.863*	*0.266*	*11.627*	*1.666*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	25985.3	143922	85695.6	508.792	2184.69	196589	22244.3
Int RSD	*0.725*	*1.090*	*0.170*	*5.909*	*6.773*	*0.293*	*0.468*
Int SD	*188.420*	*1568.08*	*145.956*	*30.066*	*147.976*	*576.003*	*104.121*
RelInt Mean	0.016	0.005	0.064	0.001	0.000	0.160	0.014
RelInt RSD	*0.921*	*1.544*	*0.212*	*14.990*	*222.626*	*0.347*	*0.603*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.001*	*0.000*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	12224.0	25629.8	14161.7	16208.0	15561.2	11736.2	267202
Int RSD	*1.104*	*0.123*	*0.481*	*0.303*	*0.329*	*0.203*	*0.544*
Int SD	*134.951*	*31.468*	*68.135*	*49.191*	*51.183*	*23.848*	*1453.02*
RelInt Mean	0.009	0.014	0.004	0.008	0.009	0.006	0.634
RelInt RSD	*2.733*	*0.442*	*1.073*	*0.584*	*0.587*	*0.472*	*0.417*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.003*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	311816	9869.99	24828.0	1174710	20006400	421177	136131
Int RSD	*1.059*	*1.314*	*0.637*	*0.085*	*0.564*	*0.486*	*0.437*
Int SD	*3301.99*	*129.732*	*158.156*	*1001.67*	*112776*	*2046.68*	*594.943*
RelInt Mean	0.012	0.004	0.000	---	---	---	0.112
RelInt RSD	*1.138*	*2.653*	*1.984*	---	---	---	*0.392*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.000*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	7001.25	10946.6	9052.19	6329.24	27983.7	7482.71	
Int RSD	*3.004*	*1.760*	*0.264*	*0.813*	*0.389*	*0.394*	
Int SD	*210.327*	*192.665*	*23.906*	*51.487*	*108.768*	*29.502*	
RelInt Mean	0.016	0.011	0.001	0.000	0.017	-0.000	
RelInt RSD	*3.419*	*4.282*	*4.836*	*126.097*	*0.545*	*11.267*	
RelInt SD	*0.001*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L3,S17108			Sample Type: Calibration Sample
Measure Date: 2022-08-24 19:51:49	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	64214.3	8183.77	40053.4	128337	352258	1058.53	116573
Int RSD	*0.732*	*1.043*	*0.536*	*0.296*	*0.281*	*10.285*	*0.149*
Int SD	*469.884*	*85.395*	*214.671*	*380.256*	*990.553*	*108.869*	*174.037*
RelInt Mean	0.000	0.016	0.030	0.104	0.295	0.002	0.093
RelInt RSD	*15.181*	*1.421*	*0.669*	*0.364*	*0.224*	*19.053*	*0.241*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.001*	*0.000*	*0.000*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	180662	835369	731067	403.886	2075.86	1838220	162402
Int RSD	*0.338*	*1.345*	*0.204*	*33.569*	*2.832*	*0.529*	*0.126*
Int SD	*609.801*	*11233.5*	*1491.97*	*135.579*	*58.788*	*9717.70*	*205.111*
RelInt Mean	0.149	0.039	0.619	0.001	0.000	1.570	0.134
RelInt RSD	*0.382*	*1.394*	*0.251*	*58.299*	*173.236*	*0.577*	*0.192*
RelInt SD	*0.001*	*0.001*	*0.002*	*0.000*	*0.000*	*0.009*	*0.000*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	12069.3	165649	53427.2	104588	109461	71085.6	2565560
Int RSD	*0.958*	*0.417*	*0.439*	*0.557*	*0.316*	*0.269*	*0.731*
Int SD	*115.663*	*691.029*	*234.697*	*582.833*	*345.513*	*191.308*	*18764.3*
RelInt Mean	0.009	0.134	0.037	0.084	0.089	0.057	6.152
RelInt RSD	*5.093*	*0.385*	*0.616*	*0.661*	*0.392*	*0.352*	*0.827*
RelInt SD	*0.000*	*0.001*	*0.000*	*0.001*	*0.000*	*0.000*	*0.051*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2460520	56258.5	82730.4	1175260	20290200	418382	1273590
Int RSD	*1.058*	*0.649*	*1.108*	*0.055*	*0.051*	*0.113*	*0.299*
Int SD	*26040.4*	*365.179*	*916.623*	*651.869*	*10341.3*	*473.055*	*3812.73*
RelInt Mean	0.118	0.044	0.003	---	---	---	1.088
RelInt RSD	*1.027*	*0.810*	*1.195*	---	---	---	*0.355*
RelInt SD	*0.001*	*0.000*	*0.000*	---	---	---	*0.004*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	71158.7	47596.0	10399.3	6759.20	188817	7753.26	
Int RSD	*0.209*	*0.548*	*0.475*	*0.396*	*0.285*	*0.643*	
Int SD	*148.732*	*260.806*	*49.438*	*26.766*	*537.783*	*49.862*	
RelInt Mean	0.170	0.099	0.002	0.000	0.155	0.000	
RelInt RSD	*0.332*	*0.757*	*4.855*	*9.494*	*0.374*	*8116.26*	
RelInt SD	*0.001*	*0.001*	*0.000*	*0.000*	*0.001*	*0.000*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L4,S17107			Sample Type: Calibration Sample
Measure Date: 2022-08-24 19:55:05	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	69338.7	60274.6	334230	1189620	3270420	1073.56	1076090
Int RSD	*0.203*	*0.155*	*0.737*	*0.387*	*0.521*	*10.835*	*0.482*
Int SD	*140.780*	*93.203*	*2463.02*	*4604.17*	*17037.3*	*116.317*	*5189.47*
RelInt Mean	-0.000	0.146	0.289	1.040	2.870	0.002	0.938
RelInt RSD	*202.423*	*1.019*	*0.451*	*0.134*	*0.279*	*8.927*	*0.117*
RelInt SD	*0.000*	*0.001*	*0.001*	*0.001*	*0.008*	*0.000*	*0.001*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	1640660	7928480	6787670	451.776	2149.65	17045800	1529300
Int RSD	*0.481*	*1.049*	*0.385*	*5.372*	*4.606*	*0.657*	*0.385*
Int SD	*7886.52*	*83174.8*	*26145.4*	*24.268*	*99.009*	*112019*	*5893.08*
RelInt Mean	1.436	0.407	5.965	0.001	-0.000	14.997	1.340
RelInt RSD	*0.167*	*1.107*	*0.172*	*5.144*	*1402.75*	*0.979*	*0.182*
RelInt SD	*0.002*	*0.005*	*0.010*	*0.000*	*0.000*	*0.147*	*0.002*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	12042.1	1494580	420724	949254	6336.41	643357	22549700
Int RSD	*1.171*	*0.487*	*0.385*	*0.421*	*0.565*	*0.579*	*0.322*
Int SD	*141.044*	*7274.11*	*1621.34*	*3996.05*	*35.816*	*3725.93*	*72655.1*
RelInt Mean	0.010	1.306	0.360	0.828	0.000	0.561	55.962
RelInt RSD	*3.746*	*0.123*	*0.031*	*0.218*	*90.869*	*0.206*	*0.665*
RelInt SD	*0.000*	*0.002*	*0.000*	*0.002*	*0.000*	*0.001*	*0.372*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	22859000	500768	635543	1148000	19359900	404478	11690000
Int RSD	*1.174*	*0.565*	*1.717*	*0.370*	*0.105*	*0.820*	*0.896*
Int SD	*268370*	*2827.49*	*10914.4*	*4252.33*	*20392.7*	*3316.85*	*104764*
RelInt Mean	1.180	0.435	0.032	---	---	---	10.284
RelInt RSD	*1.188*	*0.203*	*1.723*	---	---	---	*1.185*
RelInt SD	*0.014*	*0.001*	*0.001*	---	---	---	*0.122*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	670199	380465	24766.4	10602.3	1752460	9947.57	
Int RSD	*0.523*	*0.718*	*1.004*	*0.850*	*0.379*	*0.440*	
Int SD	*3502.97*	*2730.31*	*248.602*	*90.094*	*6649.03*	*43.733*	
RelInt Mean	1.662	0.924	0.014	0.003	1.532	0.001	
RelInt RSD	*0.536*	*0.469*	*1.501*	*2.947*	*0.154*	*2.357*	
RelInt SD	*0.009*	*0.004*	*0.000*	*0.000*	*0.002*	*0.000*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L5,S16645			Sample Type: Calibration Sample
Measure Date: 2022-08-24 19:58:22	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	1259490	1841.98	5248.88	11307.6	9476.79	1120.48	8739.80
Int RSD	*1.043*	*3.052*	*1.286*	*3.924*	*1.770*	*3.341*	*0.747*
Int SD	*13130.6*	*56.221*	*67.494*	*443.732*	*167.695*	*37.438*	*65.280*
RelInt Mean	0.060	0.001	-0.000	0.003	0.000	0.002	0.000
RelInt RSD	*1.027*	*19.515*	*143.478*	*11.351*	*46.947*	*1.347*	*294.896*
RelInt SD	*0.001*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7697.67	75076.9	15294.3	478.963	2102.86	11206.1	9283.43
Int RSD	*3.387*	*6.037*	*10.787*	*3.748*	*2.976*	*3.182*	*15.620*
Int SD	*260.736*	*4532.18*	*1649.75*	*17.950*	*62.572*	*356.605*	*1450.03*
RelInt Mean	0.000	0.001	0.004	0.001	0.000	0.001	0.003
RelInt RSD	*104.042*	*21.580*	*34.481*	*12.920*	*389.121*	*40.628*	*44.445*
RelInt SD	*0.000*	*0.000*	*0.001*	*0.000*	*0.000*	*0.000*	*0.001*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	12640.6	9597.03	9650.19	6972.24	5365.86	5727.24	1937.39
Int RSD	*1.329*	*0.202*	*0.129*	*1.419*	*0.467*	*5.967*	*4.374*
Int SD	*168.042*	*19.355*	*12.435*	*98.915*	*25.035*	*341.767*	*84.751*
RelInt Mean	0.011	0.000	-0.000	0.000	0.000	0.001	0.001
RelInt RSD	*2.137*	*8.276*	*84.638*	*29.127*	*202.954*	*42.428*	*18.855*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	118854	6763.98	18940.7	1150130	19859800	412769	7385.00
Int RSD	*12.425*	*19.343*	*1.953*	*0.350*	*0.294*	*0.721*	*4.791*
Int SD	*14767.7*	*1308.34*	*369.950*	*4026.09*	*58422.3*	*2976.43*	*353.797*
RelInt Mean	0.003	0.001	0.000	---	---	---	0.001
RelInt RSD	*29.265*	*76.188*	*10.526*	---	---	---	*31.051*
RelInt SD	*0.001*	*0.001*	*0.000*	---	---	---	*0.000*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	159.134	6623.52	8648.54	6298.00	8952.59	7475.35	
Int RSD	*51.375*	*1.437*	*1.259*	*1.312*	*0.564*	*0.126*	
Int SD	*81.755*	*95.177*	*108.912*	*82.633*	*50.493*	*9.416*	
RelInt Mean	-0.000	0.001	0.001	0.000	0.000	-0.000	
RelInt RSD	*134.696*	*19.214*	*16.232*	*171.655*	*26.532*	*3.088*	
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L6,S17115			Sample Type: Calibration Sample
Measure Date: 2022-08-24 20:01:39	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	65000.6	2424.23	5291.82	9876.71	9481.60	82969.0	8917.28
Int RSD	*0.986*	*5.347*	*0.414*	*1.092*	*0.708*	*0.694*	*0.439*
Int SD	*641.126*	*129.624*	*21.904*	*107.825*	*67.100*	*575.927*	*39.163*
RelInt Mean	0.000	0.001	-0.000	0.002	0.000	0.208	0.000
RelInt RSD	*52.198*	*15.801*	*8.984*	*6.580*	*32.206*	*0.370*	*45.053*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.001*	*0.000*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7668.14	69964.1	12725.4	22709.2	16429.1	10861.1	6642.44
Int RSD	*0.534*	*0.225*	*1.861*	*1.326*	*0.944*	*0.172*	*1.902*
Int SD	*40.963*	*157.633*	*236.876*	*301.126*	*155.082*	*18.681*	*126.307*
RelInt Mean	0.000	0.001	0.002	0.056	0.036	0.000	0.000
RelInt RSD	*44.803*	*1.080*	*14.091*	*0.552*	*0.106*	*34.522*	*30.182*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	436442	9668.23	9881.18	6857.41	5498.96	5294.36	1612.68
Int RSD	*0.590*	*0.420*	*0.196*	*0.263*	*1.360*	*1.142*	*5.408*
Int SD	*2574.80*	*40.604*	*19.355*	*18.053*	*74.807*	*60.483*	*87.210*
RelInt Mean	1.072	0.000	-0.000	0.000	0.000	0.000	0.000
RelInt RSD	*0.475*	*18.418*	*63.663*	*50.866*	*165.414*	*37.624*	*69.514*
RelInt SD	*0.005*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	81562.2	5032.68	18931.1	1138600	19396700	400449	6877.11
Int RSD	*1.961*	*0.246*	*0.506*	*0.284*	*0.436*	*0.831*	*0.502*
Int SD	*1599.34*	*12.387*	*95.711*	*3232.09*	*84480.6*	*3326.28*	*34.539*
RelInt Mean	0.001	-0.000	0.000	---	---	---	0.000
RelInt RSD	*13.106*	*30.142*	*5.336*	---	---	---	*3.997*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.000*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	293.186	6878.73	942092	6422.56	9011.54	7565.32	
Int RSD	*12.252*	*3.274*	*0.098*	*1.764*	*1.005*	*0.479*	
Int SD	*35.922*	*225.182*	*921.510*	*113.320*	*90.570*	*36.262*	
RelInt Mean	-0.000	0.001	0.827	0.000	0.000	-0.000	
RelInt RSD	*405.129*	*30.868*	*0.200*	*101.481*	*35.758*	*42.876*	
RelInt SD	*0.000*	*0.000*	*0.002*	*0.000*	*0.000*	*0.000*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L7,S17113			Sample Type: Calibration Sample
Measure Date: 2022-08-24 20:04:55	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	63522.8	1899.32	5150.68	9044.99	9261.80	1182.83	8636.75
Int RSD	*0.503*	*4.362*	*0.365*	*0.588*	*0.065*	*9.879*	*0.425*
Int SD	*319.641*	*82.842*	*18.787*	*53.168*	*6.024*	*116.851*	*36.706*
RelInt Mean	0.000	0.001	-0.000	0.001	0.000	0.002	-0.000
RelInt RSD	*3.638*	*14.865*	*30.339*	*3.358*	*14.008*	*7.665*	*144.415*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7540.98	68829.3	11675.6	537.031	2155.09	10586.7	6171.78
Int RSD	*0.266*	*0.131*	*0.944*	*27.056*	*1.944*	*0.440*	*0.741*
Int SD	*20.068*	*90.499*	*110.182*	*145.300*	*41.898*	*46.586*	*45.726*
RelInt Mean	0.000	0.001	0.001	0.001	0.000	0.000	0.000
RelInt RSD	*40.064*	*1.216*	*10.806*	*39.037*	*276.530*	*17.858*	*20.234*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	13549.9	9493.88	9629.03	6676.76	5381.02	5043.09	1322.51
Int RSD	*1.842*	*0.213*	*0.339*	*0.458*	*0.324*	*0.628*	*7.902*
Int SD	*249.593*	*20.239*	*32.686*	*30.587*	*17.430*	*31.669*	*104.507*
RelInt Mean	0.013	0.000	-0.000	0.000	0.000	0.000	-0.000
RelInt RSD	*2.848*	*5.104*	*30.066*	*57.148*	*45.424*	*43.135*	*841.176*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	69131.6	4919.54	18381.4	1166830	20014300	417027	6891.29
Int RSD	*0.559*	*0.397*	*1.300*	*0.067*	*0.437*	*0.930*	*0.220*
Int SD	*386.611*	*19.548*	*238.903*	*776.552*	*87422.9*	*3878.27*	*15.171*
RelInt Mean	0.000	-0.000	0.000	---	---	---	0.001
RelInt RSD	*23.111*	*23.822*	*1.621*	---	---	---	*5.541*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.000*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	110.961	6729.54	8956.58	686168	8869.35	328712	
Int RSD	*78.043*	*4.126*	*0.165*	*0.215*	*0.549*	*0.121*	
Int SD	*86.597*	*277.693*	*14.766*	*1474.13*	*48.734*	*399.013*	
RelInt Mean	-0.000	0.001	0.001	0.588	0.000	0.278	
RelInt RSD	*66.251*	*21.423*	*2.449*	*0.249*	*24.094*	*0.149*	
RelInt SD	*0.000*	*0.000*	*0.000*	*0.001*	*0.000*	*0.000*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L8,S17048			Sample Type: Calibration Sample
Measure Date: 2022-08-24 20:08:11	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	62730.7	6495.12	5470.49	9223.29	9704.75	1462170	8989.96
Int RSD	*0.480*	*1.811*	*0.812*	*0.455*	*0.281*	*0.307*	*0.866*
Int SD	*300.998*	*117.599*	*44.409*	*42.010*	*27.290*	*4483.51*	*77.877*
RelInt Mean	0.000	-0.002	-0.000	0.001	0.000	3.732	0.000
RelInt RSD	*21.090*	*40.757*	*54.806*	*4.753*	*19.526*	*0.656*	*2804.35*
RelInt SD	*0.000*	*0.001*	*0.000*	*0.000*	*0.000*	*0.024*	*0.000*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	8075.74	68677.6	12277.5	86294.6	255740	11386.6	6314.71
Int RSD	*0.471*	*0.491*	*1.039*	*0.402*	*0.257*	*0.466*	*0.391*
Int SD	*38.075*	*336.894*	*127.553*	*346.647*	*656.430*	*53.106*	*24.663*
RelInt Mean	0.000	0.001	0.001	0.220	0.646	0.000	0.000
RelInt RSD	*43.402*	*0.998*	*15.262*	*0.888*	*0.349*	*5.743*	*47.640*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.002*	*0.002*	*0.000*	*0.000*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	1630050	9879.57	9969.04	6864.06	5555.26	5203.94	2566.13
Int RSD	*0.436*	*0.483*	*0.517*	*0.407*	*0.428*	*0.747*	*2.280*
Int SD	*7111.22*	*47.706*	*51.490*	*27.917*	*23.752*	*38.852*	*58.502*
RelInt Mean	4.134	0.000	-0.000	0.000	0.000	0.000	0.003
RelInt RSD	*0.820*	*5.226*	*43.344*	*1855.30*	*46.194*	*187.503*	*2.064*
RelInt SD	*0.034*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	71386.6	5105.16	19196.9	1104880	19195000	393182	7061.04
Int RSD	*0.384*	*0.272*	*1.496*	*0.384*	*0.843*	*0.486*	*0.377*
Int SD	*273.853*	*13.909*	*287.092*	*4239.58*	*161894*	*1911.12*	*26.648*
RelInt Mean	0.000	-0.000	0.000	---	---	---	0.001
RelInt RSD	*0.627*	*10.747*	*10.954*	---	---	---	*8.722*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.000*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	162.435	6316.58	9244.73	6772.97	9172.68	7931.78	
Int RSD	*34.926*	*3.686*	*0.073*	*0.800*	*0.190*	*0.148*	
Int SD	*56.731*	*232.860*	*6.755*	*54.198*	*17.437*	*11.728*	
RelInt Mean	-0.000	0.001	0.001	0.000	0.000	0.000	
RelInt RSD	*24.938*	*39.154*	*4.226*	*19.904*	*10.124*	*8.352*	
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICV,S17024 | Sample Type: Control Sample

Measure Date: 2022-08-24 20:11:35 | Recalculation Date: | State: Check failed | Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	382930	7527.06	40576.0	131099	345483	803930	225763
Int RSD	*1.063*	*2.752*	*0.183*	*0.325*	*0.066*	*0.248*	*0.125*
Int SD	*4070.22*	*207.167*	*74.098*	*425.935*	*229.541*	*1995.33*	*283.094*
RelInt Mean	0.017	0.009	0.032	0.113	0.308	2.059	0.198
RelInt RSD	*1.736*	*1.923*	*0.316*	*0.541*	*0.267*	*0.401*	*0.347*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.001*	*0.001*	*0.008*	*0.001*
Conc Mean	0.554[mg/l]	1.080[mg/l]	1.113[mg/l]	1.080[mg/l]	1.068[mg/l]	110.243[mg/l]	1.056[mg/l]
Conc RSD	*1.739*	*2.190*	*0.314*	*0.544*	*0.269*	*0.402*	*0.350*
Conc SD	*0.010[mg/l]*	*0.024[mg/l]*	*0.003[mg/l]*	*0.006[mg/l]*	*0.003[mg/l]*	*0.443[mg/l]*	*0.004[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	173865	910494	369987	49335.9	136141	1752820	168874
Int RSD	*0.204*	*1.361*	*0.095*	*1.746*	*0.650*	*0.417*	*0.417*
Int SD	*354.283*	*12394.0*	*350.784*	*861.208*	*884.684*	*7306.50*	*704.598*
RelInt Mean	0.152	0.045	0.329	0.126	0.342	1.596	0.149
RelInt RSD	*0.381*	*1.928*	*0.281*	*2.143*	*0.264*	*0.601*	*0.210*
RelInt SD	*0.001*	*0.001*	*0.001*	*0.003*	*0.001*	*0.010*	*0.000*
Conc Mean	1.057[mg/l]	1.087[mg/l]	1.099[mg/l]	114.275[mg/l]	106.083[mg/l]	1.063[mg/l]	1.111[mg/l]
Conc RSD	*0.381*	*1.962*	*0.281*	*2.158*	*0.264*	*0.602*	*0.210*
Conc SD	*0.004[mg/l]*	*0.021[mg/l]*	*0.003[mg/l]*	*2.466[mg/l]*	*0.280[mg/l]*	*0.006[mg/l]*	*0.002[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	891430	159369	52834.1	40174.2	39903.7	332181	512097
Int RSD	*0.197*	*0.223*	*0.370*	*0.188*	*0.755*	*0.054*	*0.383*
Int SD	*1755.19*	*355.717*	*195.323*	*75.683*	*301.250*	*180.011*	*1960.58*
RelInt Mean	2.260	0.137	0.039	0.030	0.031	0.300	1.309
RelInt RSD	*0.327*	*0.084*	*0.195*	*0.173*	*0.666*	*0.256*	*0.138*
RelInt SD	*0.007*	*0.000*	*0.000*	*0.000*	*0.000*	*0.001*	*0.002*
Conc Mean	108.942[mg/l]	1.048[mg/l]	1.086[mg/l]	1.097[mg/l]	1.057[mg/l]	5.336[mg/l]	1.063[mg/l]
Conc RSD	*0.328*	*0.085*	*0.195*	*0.173*	*0.665*	*0.257*	*0.138*
Conc SD	*0.358[mg/l]*	*0.001[mg/l]*	*0.002[mg/l]*	*0.002[mg/l]*	*0.007[mg/l]*	*0.014[mg/l]*	*0.001[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2484820	22575.8	145799	1102800	19103400	391809	419255
Int RSD	*1.684*	*0.196*	*0.892*	*0.205*	*0.477*	*0.498*	*0.045*
Int SD	*41848.0*	*44.342*	*1301.12*	*2258.74*	*91174.9*	*1950.78*	*187.428*
RelInt Mean	0.127	0.016	0.007	---	---	---	0.378
RelInt RSD	*2.197*	*0.315*	*1.496*	---	---	---	*0.171*
RelInt SD	*0.003*	*0.000*	*0.000*	---	---	---	*0.001*
Conc Mean	1.074[mg/l]	1.092[mg/l]	1.043[mg/l]	1091390	19019800	390264	1.026[mg/l]
Conc RSD	*2.198*	*0.315*	*1.534*	---	---	---	*0.174*
Conc SD	*0.024[mg/l]*	*0.003[mg/l]*	*0.016[mg/l]*	*2228.59*	*91414.6*	*2063.08*	*0.002[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	134796	45857.0	510226	366195	385292	7956.72	
Int RSD	*0.317*	*2.074*	*0.263*	*0.257*	*0.102*	*0.427*	
Int SD	*427.105*	*951.090*	*1339.69*	*941.323*	*391.277*	*33.950*	
RelInt Mean	0.344	0.102	0.459	0.329	0.344	0.000	
RelInt RSD	*0.395*	*2.343*	*0.226*	*0.171*	*0.203*	*76.197*	
RelInt SD	*0.001*	*0.002*	*0.001*	*0.001*	*0.001*	*0.000*	
Conc Mean	1.037[mg/l]	1.093[mg/l]	5.525[mg/l]	5.602[mg/l]	1.119[mg/l]	<0.004[mg/l]	
Conc RSD	*0.394*	*2.358*	*0.227*	*0.171*	*0.203*	*31.671*	
Conc SD	*0.004[mg/l]*	*0.026[mg/l]*	*0.013[mg/l]*	*0.010[mg/l]*	*0.002[mg/l]*	*0.001[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482341021012 File : met06_master Time : 24-AUG-2022 20:18
Cal : 482341021001 Caldate : 24-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19709800	20142000	2.19
Yttrium	A	1159560	1180480	1.80
Yttrium	R	417619	420088	0.59

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICB,1			Sample Type: Control Sample
Measure Date: 2022-08-24 20:18:07	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	64305.8	1965.15	5127.24	8207.05	9131.75	1153.17	8665.71
Int RSD	*0.103*	*9.514*	*0.125*	*0.383*	*0.459*	*8.472*	*0.614*
Int SD	*65.964*	*186.974*	*6.384*	*31.470*	*41.929*	*97.702*	*53.222*
RelInt Mean	0.000	0.001	-0.000	0.001	0.000	0.002	0.000
RelInt RSD	*6.407*	*38.071*	*31.694*	*4.759*	*62.919*	*14.244*	*146.822*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	<0.000[mg/l]	<-0.027[mg/l]	<0.001[mg/l]	0.001[mg/l]	<-0.000[mg/l]	<0.004[mg/l]	<0.000[mg/l]
Conc RSD	*38.260*	*171.530*	*176.628*	*24.991*	*536.421*	*392.667*	*51.469*
Conc SD	*0.000[mg/l]*	*0.047[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.016[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7423.05	69113.9	10671.0	729.168	2303.99	10450.2	5964.85
Int RSD	*0.367*	*0.315*	*0.164*	*18.275*	*5.955*	*0.197*	*0.412*
Int SD	*27.234*	*217.588*	*17.503*	*133.256*	*137.192*	*20.574*	*24.605*
RelInt Mean	-0.000	0.001	0.000	0.001	0.000	0.000	0.000
RelInt RSD	*107.058*	*0.783*	*36.101*	*20.402*	*97.834*	*19.591*	*68.734*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	<-0.000[mg/l]	<-0.001[mg/l]	<-0.002[mg/l]	<0.279[mg/l]	<0.108[mg/l]	<-0.000[mg/l]	<-0.000[mg/l]
Conc RSD	*42.675*	*10.050*	*3.052*	*76.451*	*85.172*	*21.151*	*45.783*
Conc SD	*0.000[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.213[mg/l]*	*0.092[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	16738.0	9423.84	9591.92	6570.13	5260.55	4909.95	1408.21
Int RSD	*1.091*	*0.550*	*0.412*	*0.512*	*1.644*	*0.224*	*5.522*
Int SD	*182.639*	*51.820*	*39.551*	*33.663*	*86.488*	*10.987*	*77.763*
RelInt Mean	0.020	0.000	-0.000	-0.000	0.000	-0.000	-0.000
RelInt RSD	*0.166*	*10.895*	*71.383*	*158.274*	*1556.56*	*89.620*	*31.146*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	0.533[mg/l]	<0.000[mg/l]	<0.000[mg/l]	<-0.000[mg/l]	<0.000[mg/l]	<-0.001[mg/l]	<0.000[mg/l]
Conc RSD	*0.298*	*207.456*	*318.349*	*223.002*	*700.717*	*14.900*	*18.756*
Conc SD	*0.002[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	68932.6	4806.55	18299.3	1180480	20142000	420088	6536.85
Int RSD	*0.735*	*0.517*	*0.306*	*0.481*	*0.633*	*0.171*	*0.694*
Int SD	*506.480*	*24.840*	*56.076*	*5677.91*	*127599*	*719.767*	*45.397*
RelInt Mean	-0.000	-0.000	0.000	---	---	---	0.000
RelInt RSD	*160.873*	*24.526*	*1.838*	---	---	---	*8.068*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.000*
Conc Mean	<-0.001[mg/l]	0.005[mg/l]	<-0.002[mg/l]	1169530	20058800	418334	<-0.024[mg/l]
Conc RSD	*20.605*	*26.305*	*28.467*	---	---	---	*0.279*
Conc SD	*0.000[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*5658.71*	*127753*	*659.218*	*0.000[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	209.106	6826.00	8397.91	6191.69	8722.47	7399.48	
Int RSD	*46.375*	*2.193*	*0.183*	*0.420*	*0.400*	*0.665*	
Int SD	*96.974*	*149.712*	*15.346*	*26.022*	*34.916*	*49.198*	
RelInt Mean	-0.000	0.001	0.000	-0.000	0.000	-0.000	
RelInt RSD	*86.468*	*13.970*	*10.258*	*313.285*	*32.783*	*16.155*	
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	
Conc Mean	<-0.000[mg/l]	<-0.000[mg/l]	<-0.002[mg/l]	<-0.002[mg/l]	<-0.000[mg/l]	<-0.005[mg/l]	
Conc RSD	*21456.1*	*367.067*	*16.647*	*25.789*	*99.757*	*23.226*	
Conc SD	*0.001[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482341021013 File : met06_master Time : 24-AUG-2022 20:21
Cal : 482341021001 Caldate : 24-AUG-2022
Standards: S16979, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.009000	0.003333	mg/l	a+ ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	150.5	mg/l	94	
Iron as Fe2O3	A	228.8	215.1	mg/l	94	
Aluminum	R	400.0	366.2	mg/l	92	
Aluminum as Al2O3	R	755.8	692.0	mg/l	92	
Calcium	R	400.0	395.3	mg/l	99	
Calcium as CaCO3	R	998.9	987.1	mg/l	99	
Magnesium	R	400.0	415.5	mg/l	104	
Magnesium as MgCO3	R	1388	1441	mg/l	104	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19709800	18315700	-7.07
Yttrium	A	1159560	1034250	-10.81
Yttrium	R	417619	378790	-9.30

DCD 08/25/22 [Lead A]: Samples do not contain interferents at ICSA levels.

+=high bias a=ICSA

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSA,S16979			Sample Type: Control Sample
Measure Date: 2022-08-24 20:21:22	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	62777.3	1012880	10308.8	10797.7	10306.6	2783550	9937.03
Int RSD	*0.348*	*1.033*	*0.756*	*0.853*	*1.137*	*0.791*	*0.459*
Int SD	*218.572*	*10465.6*	*77.930*	*92.070*	*117.147*	*22018.7*	*45.652*
RelInt Mean	0.000	2.650	-0.000	0.001	0.000	7.376	0.000
RelInt RSD	*23.231*	*0.815*	*57.556*	*6.159*	*134.543*	*0.566*	*27.599*
RelInt SD	*0.000*	*0.022*	*0.000*	*0.000*	*0.000*	*0.042*	*0.000*
Conc Mean	<-0.000[mg/l]	>366.225[mg/l]	<-0.002[mg/l]	0.007[mg/l]	<-0.000[mg/l]	>395.255[mg/l]	0.001[mg/l]
Conc RSD	*234.229*	*0.815*	*186.758*	*9.713*	*229.565*	*0.566*	*20.994*
Conc SD	*0.000[mg/l]*	*2.986[mg/l]*	*0.003[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*2.238[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	8873.33	70806.5	45877400	446.257	509703	15707.0	14116.3
Int RSD	*1.488*	*0.165*	*0.916*	*12.790*	*0.125*	*2.641*	*0.587*
Int SD	*132.044*	*116.750*	*420428*	*57.076*	*639.023*	*414.817*	*82.795*
RelInt Mean	-0.000	0.001	44.894	0.001	1.342	0.002	-0.000
RelInt RSD	*30.315*	*1.439*	*0.788*	*21.460*	*0.214*	*21.856*	*22.441*
RelInt SD	*0.000*	*0.000*	*0.354*	*0.000*	*0.003*	*0.000*	*0.000*
Conc Mean	<-0.002[mg/l]	0.001[mg/l]	>150.479[mg/l]	<0.001[mg/l]	>415.504[mg/l]	0.001[mg/l]	<-0.003[mg/l]
Conc RSD	*27.227*	*22.636*	*0.788*	*31657.4*	*0.214*	*24.142*	*16.861*
Conc SD	*0.001[mg/l]*	*0.000[mg/l]*	*1.186[mg/l]*	*0.165[mg/l]*	*0.889[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	12348.4	10151.1	19887.1	16408.2	11747.1	10362.0	9779.63
Int RSD	*2.625*	*0.833*	*0.419*	*0.295*	*0.550*	*0.189*	*2.568*
Int SD	*324.145*	*84.609*	*83.249*	*48.399*	*64.565*	*19.619*	*251.144*
RelInt Mean	0.013	-0.000	0.003	0.000	-0.000	0.000	0.023
RelInt RSD	*2.395*	*61.873*	*5.377*	*125.028*	*15.189*	*4.152*	*2.524*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.001*
Conc Mean	0.221[mg/l]	<-0.003[mg/l]	0.009[mg/l]	<0.002[mg/l]	<-0.009[mg/l]	<0.000[mg/l]	0.019[mg/l]
Conc RSD	*6.991*	*26.268*	*45.811*	*111.646*	*15.498*	*15.142*	*2.488*
Conc SD	*0.015[mg/l]*	*0.001[mg/l]*	*0.004[mg/l]*	*0.002[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	76348.0	10219.4	20321.3	1034250	18315700	378790	16799.6
Int RSD	*0.414*	*0.381*	*0.093*	*0.289*	*0.779*	*0.339*	*0.541*
Int SD	*316.099*	*38.968*	*18.800*	*2992.95*	*142595*	*1283.65*	*90.875*
RelInt Mean	0.000	-0.000	0.000	---	---	---	0.001
RelInt RSD	*3.734*	*53.237*	*3.807*	---	---	---	*3.684*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.000*
Conc Mean	0.002[mg/l]	<0.001[mg/l]	<-0.002[mg/l]	1021540	18225500	377173	<-0.021[mg/l]
Conc RSD	*5.183*	*1004.29*	*36.579*	---	---	---	*0.724*
Conc SD	*0.000[mg/l]*	*0.006[mg/l]*	*0.001[mg/l]*	*2962.48*	*142333*	*1308.23*	*0.000[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	66.658	5937.10	11473.6	9843.76	10390.2	12377.1	
Int RSD	*84.848*	*2.351*	*1.364*	*1.350*	*0.105*	*0.595*	
Int SD	*56.558*	*139.593*	*156.523*	*132.920*	*10.955*	*73.699*	
RelInt Mean	-0.000	0.001	0.001	0.000	-0.000	0.001	
RelInt RSD	*23.259*	*22.448*	*10.624*	*104.025*	*19.238*	*12.175*	
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	
Conc Mean	<-0.001[mg/l]	<0.003[mg/l]	0.011[mg/l]	<0.001[mg/l]	<-0.001[mg/l]	0.027[mg/l]	
Conc RSD	*42.604*	*82.007*	*16.685*	*415.558*	*8.350*	*11.101*	
Conc SD	*0.000[mg/l]*	*0.002[mg/l]*	*0.002[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.003[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482341021014 File : met06_master Time : 24-AUG-2022 20:24
Cal : 482341021001 Caldate : 24-AUG-2022
Standards: S17065, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.051	mg/l	5	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19709800	18340400	-6.95
Yttrium	A	1159560	1040440	-10.27
Yttrium	R	417619	376471	-9.85

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSAB,S17065			Sample Type: Control Sample
Measure Date: 2022-08-24 20:24:39	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	664356	1012980	10258.9	10822.2	161398	2785120	107656
Int RSD	*1.977*	*0.612*	*0.227*	*0.948*	*0.082*	*0.771*	*0.735*
Int SD	*13135.3*	*6195.13*	*23.250*	*102.622*	*132.937*	*21465.4*	*790.924*
RelInt Mean	0.033	2.668	-0.000	0.001	0.147	7.425	0.095
RelInt RSD	*1.682*	*0.698*	*20.471*	*5.790*	*0.362*	*0.814*	*1.113*
RelInt SD	*0.001*	*0.019*	*0.000*	*0.000*	*0.001*	*0.060*	*0.001*
Conc Mean	1.089[mg/l]	>368.621[mg/l]	<-0.004[mg/l]	0.007[mg/l]	0.512[mg/l]	>397.897[mg/l]	0.507[mg/l]
Conc RSD	*1.683*	*0.699*	*38.644*	*9.245*	*0.362*	*0.814*	*1.112*
Conc SD	*0.018[mg/l]*	*2.575[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.002[mg/l]*	*3.240[mg/l]*	*0.006[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	88750.4	484788	45712400	425.599	502135	802095	14137.7
Int RSD	*0.145*	*1.987*	*0.413*	*27.105*	*0.399*	*0.091*	*0.472*
Int SD	*128.542*	*9635.01*	*188753*	*115.357*	*2004.95*	*727.622*	*66.669*
RelInt Mean	0.077	0.023	44.466	0.001	1.329	0.767	-0.000
RelInt RSD	*0.234*	*1.704*	*0.321*	*35.983*	*0.350*	*0.210*	*4.860*
RelInt SD	*0.000*	*0.000*	*0.143*	*0.000*	*0.005*	*0.002*	*0.000*
Conc Mean	0.538[mg/l]	0.558[mg/l]	>149.041[mg/l]	<-0.061[mg/l]	>411.755[mg/l]	0.511[mg/l]	<-0.004[mg/l]
Conc RSD	*0.234*	*1.763*	*0.320*	*416.522*	*0.350*	*0.210*	*3.901*
Conc SD	*0.001[mg/l]*	*0.010[mg/l]*	*0.478[mg/l]*	*0.254[mg/l]*	*1.443[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	12750.1	143558	58525.5	16614.1	11854.4	10322.9	9864.10
Int RSD	*0.428*	*0.252*	*0.102*	*0.248*	*0.408*	*0.377*	*0.937*
Int SD	*54.557*	*362.297*	*59.763*	*41.220*	*48.309*	*38.918*	*92.397*
RelInt Mean	0.014	0.129	0.040	0.000	-0.000	0.000	0.023
RelInt RSD	*1.350*	*0.232*	*0.412*	*22.450*	*27.576*	*43.014*	*1.778*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	0.271[mg/l]	0.990[mg/l]	1.051[mg/l]	0.006[mg/l]	<-0.007[mg/l]	<0.000[mg/l]	0.019[mg/l]
Conc RSD	*3.455*	*0.233*	*0.435*	*32.849*	*28.363*	*269.040*	*1.753*
Conc SD	*0.009[mg/l]*	*0.002[mg/l]*	*0.005[mg/l]*	*0.002[mg/l]*	*0.002[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	75565.9	10421.4	78809.2	1040440	18340400	376471	373050
Int RSD	*0.289*	*0.347*	*1.700*	*0.278*	*0.547*	*0.316*	*0.202*
Int SD	*218.454*	*36.153*	*1339.72*	*2893.19*	*100332*	*1188.36*	*754.489*
RelInt Mean	0.000	0.000	0.003	---	---	---	0.348
RelInt RSD	*1.766*	*61.600*	*1.370*	---	---	---	*0.228*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.001*
Conc Mean	0.002[mg/l]	0.013[mg/l]	0.500[mg/l]	1027690	18249700	374877	0.942[mg/l]
Conc RSD	*2.679*	*10.558*	*1.441*	---	---	---	*0.234*
Conc SD	*0.000[mg/l]*	*0.001[mg/l]*	*0.007[mg/l]*	*2920.57*	*100199*	*1173.00*	*0.002[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	62731.1	5881.07	11487.0	9988.74	359107	12098.1	
Int RSD	*0.433*	*2.200*	*0.528*	*0.655*	*0.103*	*0.431*	
Int SD	*271.530*	*129.404*	*60.685*	*65.385*	*370.215*	*52.159*	
RelInt Mean	0.167	0.001	0.001	0.000	0.339	0.000	
RelInt RSD	*0.664*	*23.297*	*2.389*	*37.135*	*0.184*	*13.741*	
RelInt SD	*0.001*	*0.000*	*0.000*	*0.000*	*0.001*	*0.000*	
Conc Mean	0.502[mg/l]	<0.000[mg/l]	0.011[mg/l]	0.004[mg/l]	1.105[mg/l]	0.016[mg/l]	
Conc RSD	*0.663*	*913.204*	*3.692*	*51.932*	*0.184*	*11.704*	
Conc SD	*0.003[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.002[mg/l]*	*0.002[mg/l]*	*0.002[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482341021052 File : met06_master Time : 24-AUG-2022 22:29
Cal : 482341021001 Caldate : 24-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0283	0.0390	1.000	1.082	mg/l	8	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19709800	18749300	-4.87
Yttrium	A	1159560	1052120	-9.27
Yttrium	R	417619	387620	-7.18

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17024 | Sample Type: Control Sample

Measure Date: 2022-08-24 22:29:26 | Recalculation Date: | State: Check failed | Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	369983	7538.79	38955.5	127908	334094	796215	215087
Int RSD	*1.407*	*0.586*	*0.191*	*0.363*	*0.250*	*0.753*	*0.377*
Int SD	*5206.14*	*44.174*	*74.410*	*464.734*	*836.676*	*5993.79*	*811.340*
RelInt Mean	0.017	0.009	0.032	0.116	0.312	2.060	0.198
RelInt RSD	*1.405*	*2.086*	*0.269*	*0.198*	*0.146*	*0.069*	*0.198*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.001*	*0.000*
Conc Mean	0.551[mg/l]	1.133[mg/l]	1.123[mg/l]	1.108[mg/l]	1.083[mg/l]	110.325[mg/l]	1.055[mg/l]
Conc RSD	*1.408*	*2.362*	*0.268*	*0.199*	*0.146*	*0.069*	*0.197*
Conc SD	*0.008[mg/l]*	*0.027[mg/l]*	*0.003[mg/l]*	*0.002[mg/l]*	*0.002[mg/l]*	*0.076[mg/l]*	*0.002[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	167567	897436	372867	49862.2	136221	1713990	164492
Int RSD	*0.435*	*1.688*	*1.316*	*0.676*	*0.801*	*0.503*	*0.373*
Int SD	*729.011*	*15149.4*	*4905.45*	*336.869*	*1091.50*	*8628.85*	*613.828*
RelInt Mean	0.154	0.045	0.348	0.129	0.347	1.636	0.152
RelInt RSD	*0.211*	*1.615*	*1.117*	*0.200*	*0.267*	*0.811*	*0.490*
RelInt SD	*0.000*	*0.001*	*0.004*	*0.000*	*0.001*	*0.013*	*0.001*
Conc Mean	1.070[mg/l]	1.096[mg/l]	1.165[mg/l]	116.726[mg/l]	107.371[mg/l]	1.090[mg/l]	1.136[mg/l]
Conc RSD	*0.211*	*1.643*	*1.119*	*0.201*	*0.267*	*0.811*	*0.490*
Conc SD	*0.002[mg/l]*	*0.018[mg/l]*	*0.013[mg/l]*	*0.235[mg/l]*	*0.287[mg/l]*	*0.009[mg/l]*	*0.006[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	903619	151063	50007.3	38671.7	38593.6	318431	515238
Int RSD	*0.671*	*0.542*	*0.176*	*0.086*	*0.093*	*0.388*	*0.660*
Int SD	*6060.33*	*818.308*	*88.190*	*33.451*	*35.904*	*1234.63*	*3401.99*
RelInt Mean	2.316	0.136	0.039	0.031	0.032	0.301	1.331
RelInt RSD	*0.058*	*0.171*	*0.167*	*0.386*	*0.405*	*0.504*	*0.087*
RelInt SD	*0.001*	*0.000*	*0.000*	*0.000*	*0.000*	*0.002*	*0.001*
Conc Mean	111.652[mg/l]	1.042[mg/l]	1.082[mg/l]	1.113[mg/l]	1.078[mg/l]	5.362[mg/l]	1.081[mg/l]
Conc RSD	*0.059*	*0.171*	*0.167*	*0.389*	*0.405*	*0.504*	*0.087*
Conc SD	*0.066[mg/l]*	*0.002[mg/l]*	*0.002[mg/l]*	*0.004[mg/l]*	*0.004[mg/l]*	*0.027[mg/l]*	*0.001[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2462310	21929.2	140325	1052120	18749300	387620	391455
Int RSD	*1.104*	*0.363*	*1.747*	*0.401*	*0.250*	*0.703*	*0.315*
Int SD	*27172.9*	*79.688*	*2451.06*	*4222.84*	*46869.6*	*2724.82*	*1233.55*
RelInt Mean	0.128	0.016	0.007	---	---	---	0.370
RelInt RSD	*1.055*	*0.871*	*1.779*	---	---	---	*0.111*
RelInt SD	*0.001*	*0.000*	*0.000*	---	---	---	*0.000*
Conc Mean	1.086[mg/l]	1.121[mg/l]	1.030[mg/l]	1041520	18671500	386244	1.003[mg/l]
Conc RSD	*1.056*	*0.864*	*1.824*	---	---	---	*0.114*
Conc SD	*0.011[mg/l]*	*0.010[mg/l]*	*0.019[mg/l]*	*4204.22*	*46659.5*	*2669.60*	*0.001[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	135890	46724.9	495693	349066	375633	7569.07	
Int RSD	*0.506*	*0.787*	*0.444*	*0.215*	*0.313*	*0.647*	
Int SD	*687.269*	*367.544*	*2199.40*	*751.680*	*1175.73*	*48.956*	
RelInt Mean	0.351	0.106	0.468	0.329	0.352	0.000	
RelInt RSD	*0.209*	*0.425*	*0.242*	*0.201*	*0.086*	*123.495*	
RelInt SD	*0.001*	*0.000*	*0.001*	*0.001*	*0.000*	*0.000*	
Conc Mean	1.056[mg/l]	1.137[mg/l]	5.629[mg/l]	5.596[mg/l]	1.145[mg/l]	<0.004[mg/l]	
Conc RSD	*0.209*	*0.428*	*0.241*	*0.201*	*0.086*	*45.525*	
Conc SD	*0.002[mg/l]*	*0.005[mg/l]*	*0.014[mg/l]*	*0.011[mg/l]*	*0.001[mg/l]*	*0.002[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482341021053 File : met06_master Time : 24-AUG-2022 22:32
Cal : 482341021001 Caldate : 24-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19709800	19676400	-0.17
Yttrium	A	1159560	1124310	-3.04
Yttrium	R	417619	403563	-3.37

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-08-24 22:32:41	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	60729.5	1823.63	4918.72	8272.25	8735.52	896.661	8164.04
Int RSD	*0.137*	*3.751*	*0.265*	*0.526*	*0.283*	*12.547*	*0.629*
Int SD	*83.501*	*68.401*	*13.058*	*43.540*	*24.719*	*112.505*	*51.339*
RelInt Mean	0.000	0.001	-0.000	0.001	0.000	0.002	-0.000
RelInt RSD	*8.933*	*15.072*	*25.817*	*3.557*	*21.847*	*24.592*	*2657.61*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	<0.001[mg/l]	<0.008[mg/l]	<0.002[mg/l]	0.006[mg/l]	<0.000[mg/l]	<-0.021[mg/l]	<0.000[mg/l]
Conc RSD	*26.132*	*311.732*	*20.474*	*6.315*	*61.950*	*106.975*	*106.234*
Conc SD	*0.000[mg/l]*	*0.024[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.022[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7104.32	64569.6	10826.8	898.920	1927.71	10038.9	6032.20
Int RSD	*0.244*	*0.128*	*1.228*	*4.402*	*3.737*	*0.374*	*1.531*
Int SD	*17.368*	*82.512*	*133.006*	*39.568*	*72.034*	*37.512*	*92.326*
RelInt Mean	0.000	0.001	0.001	0.002	-0.000	0.000	0.000
RelInt RSD	*88.304*	*0.197*	*18.333*	*5.669*	*82.644*	*26.340*	*22.270*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	<0.000[mg/l]	<-0.003[mg/l]	<0.000[mg/l]	0.928[mg/l]	<-0.021[mg/l]	<0.000[mg/l]	0.002[mg/l]
Conc RSD	*889.133*	*1.323*	*349.154*	*10.354*	*138.959*	*147.699*	*30.688*
Conc SD	*0.000[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.096[mg/l]*	*0.029[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	20647.4	8891.60	9070.83	6265.06	4990.30	4678.59	1187.91
Int RSD	*1.394*	*0.368*	*0.324*	*0.542*	*0.496*	*0.731*	*0.785*
Int SD	*287.870*	*32.691*	*29.413*	*33.934*	*24.749*	*34.200*	*9.319*
RelInt Mean	0.031	0.000	-0.000	0.000	0.000	-0.000	-0.000
RelInt RSD	*0.558*	*11.386*	*37.976*	*294.607*	*171.937*	*354.449*	*18.520*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	1.094[mg/l]	<-0.000[mg/l]	<0.000[mg/l]	<0.001[mg/l]	<0.001[mg/l]	<-0.001[mg/l]	<0.000[mg/l]
Conc RSD	*0.773*	*324.330*	*342.013*	*199.949*	*121.983*	*49.014*	*123.633*
Conc SD	*0.008[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	65252.9	4573.79	17533.4	1124310	19676400	403563	6275.76
Int RSD	*0.527*	*0.172*	*0.369*	*0.094*	*0.401*	*0.511*	*0.581*
Int SD	*344.085*	*7.852*	*64.722*	*1062.37*	*78821.4*	*2061.78*	*36.437*
RelInt Mean	-0.000	-0.000	0.000	---	---	---	0.000
RelInt RSD	*662.189*	*21.488*	*1.989*	---	---	---	*8.057*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.000*
Conc Mean	<-0.001[mg/l]	0.006[mg/l]	<0.001[mg/l]	1113920	19597900	402052	<-0.024[mg/l]
Conc RSD	*11.617*	*17.235*	*71.072*	---	---	---	*0.341*
Conc SD	*0.000[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*1019.08*	*78737.8*	*1963.97*	*0.000[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	262.649	6483.92	8455.06	6000.73	8328.16	7153.49	
Int RSD	*29.759*	*3.396*	*1.224*	*0.403*	*0.728*	*0.064*	
Int SD	*78.163*	*220.199*	*103.498*	*24.167*	*60.612*	*4.551*	
RelInt Mean	-0.000	0.001	0.001	0.000	0.000	-0.000	
RelInt RSD	*137.863*	*53.793*	*10.733*	*18.413*	*55.540*	*10.522*	
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	
Conc Mean	<0.000[mg/l]	<0.001[mg/l]	0.003[mg/l]	<-0.000[mg/l]	<0.000[mg/l]	<-0.003[mg/l]	
Conc RSD	*45.787*	*345.535*	*33.547*	*79.638*	*477.856*	*18.404*	
Conc SD	*0.000[mg/l]*	*0.004[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482341021064 File : met06_master Time : 24-AUG-2022 23:08
Cal : 482341021001 Caldate : 24-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0283	0.0390	1.000	1.073	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19709800	18741500	-4.91
Yttrium	A	1159560	1050210	-9.43
Yttrium	R	417619	384404	-7.95

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17024 | Sample Type: Control Sample

Measure Date: 2022-08-24 23:08:25 | Recalculation Date: | State: Check failed | Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	368926	7321.61	38879.0	126628	332719	793212	212893
Int RSD	*1.185*	*0.886*	*0.375*	*0.619*	*0.465*	*0.101*	*0.534*
Int SD	*4371.66*	*64.886*	*145.688*	*783.908*	*1546.30*	*800.793*	*1136.84*
RelInt Mean	0.017	0.009	0.032	0.115	0.311	2.070	0.197
RelInt RSD	*1.386*	*0.678*	*0.962*	*0.181*	*0.099*	*0.241*	*0.191*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.005*	*0.000*
Conc Mean	0.551[mg/l]	1.071[mg/l]	1.123[mg/l]	1.099[mg/l]	1.080[mg/l]	110.847[mg/l]	1.046[mg/l]
Conc RSD	*1.389*	*0.773*	*0.959*	*0.182*	*0.099*	*0.241*	*0.192*
Conc SD	*0.008[mg/l]*	*0.008[mg/l]*	*0.011[mg/l]*	*0.002[mg/l]*	*0.001[mg/l]*	*0.267[mg/l]*	*0.002[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	166116	902670	361380	49635.5	136622	1720230	163963
Int RSD	*0.229*	*1.561*	*0.590*	*1.313*	*0.320*	*0.220*	*0.445*
Int SD	*380.011*	*14090.3*	*2131.06*	*651.901*	*437.823*	*3787.63*	*730.451*
RelInt Mean	0.153	0.046	0.338	0.129	0.351	1.645	0.152
RelInt RSD	*0.316*	*1.689*	*0.341*	*1.272*	*0.379*	*0.467*	*0.104*
RelInt SD	*0.000*	*0.001*	*0.001*	*0.002*	*0.001*	*0.008*	*0.000*
Conc Mean	1.062[mg/l]	1.103[mg/l]	1.130[mg/l]	117.232[mg/l]	108.625[mg/l]	1.096[mg/l]	1.134[mg/l]
Conc RSD	*0.316*	*1.719*	*0.342*	*1.280*	*0.378*	*0.467*	*0.104*
Conc SD	*0.003[mg/l]*	*0.019[mg/l]*	*0.004[mg/l]*	*1.501[mg/l]*	*0.411[mg/l]*	*0.005[mg/l]*	*0.001[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	900978	149172	49545.6	38585.2	38214.5	317454	511836
Int RSD	*0.201*	*0.284*	*0.108*	*0.333*	*0.216*	*0.445*	*0.236*
Int SD	*1814.28*	*423.805*	*53.674*	*128.551*	*82.580*	*1411.76*	*1206.36*
RelInt Mean	2.329	0.135	0.039	0.031	0.032	0.301	1.333
RelInt RSD	*0.208*	*0.402*	*0.685*	*0.928*	*0.676*	*0.255*	*0.277*
RelInt SD	*0.005*	*0.001*	*0.000*	*0.000*	*0.000*	*0.001*	*0.004*
Conc Mean	112.264[mg/l]	1.031[mg/l]	1.073[mg/l]	1.114[mg/l]	1.067[mg/l]	5.356[mg/l]	1.083[mg/l]
Conc RSD	*0.209*	*0.403*	*0.684*	*0.932*	*0.676*	*0.255*	*0.277*
Conc SD	*0.235[mg/l]*	*0.004[mg/l]*	*0.007[mg/l]*	*0.010[mg/l]*	*0.007[mg/l]*	*0.014[mg/l]*	*0.003[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2436420	21880.6	140349	1050210	18741500	384404	387987
Int RSD	*2.012*	*0.296*	*1.723*	*0.540*	*0.311*	*0.155*	*0.258*
Int SD	*49018.5*	*64.818*	*2418.50*	*5669.02*	*58286.6*	*595.974*	*1001.74*
RelInt Mean	0.127	0.016	0.007	---	---	---	0.367
RelInt RSD	*2.005*	*1.164*	*1.964*	---	---	---	*0.280*
RelInt SD	*0.003*	*0.000*	*0.000*	---	---	---	*0.001*
Conc Mean	1.075[mg/l]	1.122[mg/l]	1.030[mg/l]	1039650	18664500	382996	0.996[mg/l]
Conc RSD	*2.007*	*1.153*	*2.014*	---	---	---	*0.287*
Conc SD	*0.022[mg/l]*	*0.013[mg/l]*	*0.021[mg/l]*	*5614.59*	*58257.3*	*631.128*	*0.003[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	136191	46782.2	491875	344048	373597	7521.53	
Int RSD	*0.782*	*0.883*	*0.406*	*0.368*	*0.553*	*0.994*	
Int SD	*1064.90*	*412.884*	*1994.64*	*1266.39*	*2064.55*	*74.761*	
RelInt Mean	0.355	0.107	0.465	0.325	0.351	0.000	
RelInt RSD	*0.858*	*0.748*	*0.134*	*0.193*	*0.121*	*94.088*	
RelInt SD	*0.003*	*0.001*	*0.001*	*0.001*	*0.000*	*0.000*	
Conc Mean	1.068[mg/l]	1.149[mg/l]	5.595[mg/l]	5.524[mg/l]	1.141[mg/l]	<0.004[mg/l]	
Conc RSD	*0.857*	*0.753*	*0.135*	*0.193*	*0.121*	*44.733*	
Conc SD	*0.009[mg/l]*	*0.009[mg/l]*	*0.008[mg/l]*	*0.011[mg/l]*	*0.001[mg/l]*	*0.002[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482341021065 File : met06_master Time : 24-AUG-2022 23:11
Cal : 482341021001 Caldate : 24-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19709800	19681600	-0.14
Yttrium	A	1159560	1119270	-3.47
Yttrium	R	417619	410672	-1.66

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1	Sample Type: Control Sample		
Measure Date: 2022-08-24 23:11:40	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	59597.3	1778.48	4807.97	7697.64	8567.22	1027.86	8017.06
Int RSD	*0.385*	*8.553*	*0.711*	*0.715*	*0.606*	*2.983*	*0.281*
Int SD	*229.728*	*152.118*	*34.176*	*55.064*	*51.908*	*30.656*	*22.549*
RelInt Mean	0.000	0.001	-0.000	0.001	0.000	0.002	-0.000
RelInt RSD	*19.876*	*31.611*	*29.120*	*5.023*	*29.064*	*4.974*	*638.303*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	<0.000[mg/l]	<-0.022[mg/l]	<0.000[mg/l]	0.002[mg/l]	<0.000[mg/l]	<-0.010[mg/l]	<0.000[mg/l]
Conc RSD	*72.270*	*185.306*	*200.433*	*16.718*	*83.572*	*47.972*	*48.506*
Conc SD	*0.000[mg/l]*	*0.040[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.005[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6923.63	63665.6	10064.9	998.603	1992.31	9833.10	6023.80
Int RSD	*0.178*	*0.647*	*0.802*	*5.719*	*2.973*	*0.233*	*1.462*
Int SD	*12.297*	*412.053*	*80.721*	*57.112*	*59.241*	*22.913*	*88.080*
RelInt Mean	0.000	0.001	0.000	0.002	-0.000	0.000	0.000
RelInt RSD	*137.991*	*2.368*	*33.691*	*10.999*	*1302.79*	*20.531*	*16.813*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	<-0.000[mg/l]	<-0.003[mg/l]	<-0.002[mg/l]	1.029[mg/l]	<0.011[mg/l]	<0.000[mg/l]	0.003[mg/l]
Conc RSD	*452.515*	*15.650*	*15.139*	*19.191*	*379.455*	*217.934*	*21.704*
Conc SD	*0.000[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.198[mg/l]*	*0.041[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	23660.1	8762.58	8885.11	6205.67	4911.80	4635.83	1214.22
Int RSD	*1.845*	*0.147*	*0.424*	*0.699*	*0.081*	*0.553*	*2.247*
Int SD	*436.593*	*12.874*	*37.710*	*43.405*	*3.969*	*25.646*	*27.278*
RelInt Mean	0.038	0.000	-0.000	0.000	0.000	0.000	-0.000
RelInt RSD	*1.641*	*2.273*	*58.685*	*75.117*	*80.016*	*204.128*	*31.343*
RelInt SD	*0.001*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	1.423[mg/l]	<0.000[mg/l]	<0.000[mg/l]	<0.002[mg/l]	<0.001[mg/l]	<-0.001[mg/l]	<0.000[mg/l]
Conc RSD	*2.129*	*24.371*	*282.720*	*68.794*	*56.951*	*45.423*	*66.974*
Conc SD	*0.030[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	63759.2	4517.02	17286.8	1119270	19681600	410672	6103.75
Int RSD	*0.383*	*0.088*	*0.623*	*0.301*	*0.075*	*0.766*	*0.305*
Int SD	*244.249*	*3.972*	*107.711*	*3371.82*	*14832.1*	*3145.59*	*18.586*
RelInt Mean	-0.000	-0.000	0.000	---	---	---	0.000
RelInt RSD	*14.305*	*9.456*	*2.945*	---	---	---	*11.660*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.000*
Conc Mean	<-0.001[mg/l]	0.005[mg/l]	<0.001[mg/l]	1109040	19604500	409127	<-0.024[mg/l]
Conc RSD	*2.344*	*10.776*	*75.325*	---	---	---	*0.393*
Conc SD	*0.000[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*3436.34*	*14648.2*	*3091.54*	*0.000[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	42.088	6447.36	7926.62	6011.58	8187.18	7110.79	
Int RSD	*239.970*	*1.316*	*0.269*	*0.399*	*0.744*	*0.212*	
Int SD	*100.999*	*84.858*	*21.351*	*24.000*	*60.937*	*15.041*	
RelInt Mean	-0.000	0.001	0.000	0.000	0.000	-0.000	
RelInt RSD	*65.970*	*24.190*	*5.124*	*13.303*	*37.622*	*20.012*	
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	
Conc Mean	<-0.001[mg/l]	<0.000[mg/l]	<-0.001[mg/l]	<0.001[mg/l]	<0.000[mg/l]	<-0.003[mg/l]	
Conc RSD	*117.938*	*544.368*	*36.521*	*38.991*	*142.153*	*36.344*	
Conc SD	*0.001[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482341021076 File : met06_master Time : 24-AUG-2022 23:47
Cal : 482341021001 Caldate : 24-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0283	0.0390	1.000	1.087	mg/l	9	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19709800	18467400	-6.30
Yttrium	A	1159560	1037400	-10.54
Yttrium	R	417619	382196	-8.48

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17024 | Sample Type: Control Sample

Measure Date: 2022-08-24 23:47:22 | Recalculation Date: | State: Check failed | Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	367623	7429.05	38920.2	125769	332077	794724	212966
Int RSD	*1.109*	*0.481*	*0.286*	*0.367*	*0.204*	*0.437*	*0.235*
Int SD	*4078.00*	*35.748*	*111.309*	*461.392*	*678.672*	*3475.14*	*499.907*
RelInt Mean	0.017	0.009	0.033	0.115	0.315	2.086	0.199
RelInt RSD	*0.831*	*4.237*	*0.490*	*0.214*	*0.251*	*0.501*	*0.274*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.001*	*0.010*	*0.001*
Conc Mean	0.557[mg/l]	1.125[mg/l]	1.139[mg/l]	1.105[mg/l]	1.092[mg/l]	111.706[mg/l]	1.059[mg/l]
Conc RSD	*0.833*	*4.800*	*0.489*	*0.215*	*0.253*	*0.501*	*0.278*
Conc SD	*0.005[mg/l]*	*0.054[mg/l]*	*0.006[mg/l]*	*0.002[mg/l]*	*0.003[mg/l]*	*0.560[mg/l]*	*0.003[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	166000	900305	362249	49807.7	136810	1719840	163334
Int RSD	*0.344*	*1.355*	*0.227*	*1.042*	*0.382*	*0.383*	*0.504*
Int SD	*570.740*	*12202.0*	*822.661*	*518.766*	*522.880*	*6588.60*	*823.940*
RelInt Mean	0.154	0.046	0.343	0.130	0.353	1.665	0.153
RelInt RSD	*0.186*	*0.921*	*0.222*	*0.851*	*0.572*	*0.606*	*0.279*
RelInt SD	*0.000*	*0.000*	*0.001*	*0.001*	*0.002*	*0.010*	*0.000*
Conc Mean	1.075[mg/l]	1.117[mg/l]	1.147[mg/l]	118.284[mg/l]	109.415[mg/l]	1.110[mg/l]	1.144[mg/l]
Conc RSD	*0.186*	*0.937*	*0.223*	*0.857*	*0.572*	*0.606*	*0.279*
Conc SD	*0.002[mg/l]*	*0.010[mg/l]*	*0.003[mg/l]*	*1.014[mg/l]*	*0.626[mg/l]*	*0.007[mg/l]*	*0.003[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	906422	149181	49531.5	38199.4	38166.6	316215	513408
Int RSD	*0.234*	*0.278*	*0.243*	*0.400*	*0.352*	*0.189*	*0.372*
Int SD	*2122.61*	*414.138*	*120.514*	*152.736*	*134.449*	*599.000*	*1910.61*
RelInt Mean	2.357	0.136	0.039	0.031	0.032	0.303	1.345
RelInt RSD	*0.470*	*0.300*	*0.484*	*0.366*	*0.639*	*0.321*	*0.278*
RelInt SD	*0.011*	*0.000*	*0.000*	*0.000*	*0.000*	*0.001*	*0.004*
Conc Mean	113.620[mg/l]	1.043[mg/l]	1.087[mg/l]	1.115[mg/l]	1.080[mg/l]	5.401[mg/l]	1.093[mg/l]
Conc RSD	*0.472*	*0.300*	*0.482*	*0.369*	*0.639*	*0.321*	*0.278*
Conc SD	*0.536[mg/l]*	*0.003[mg/l]*	*0.005[mg/l]*	*0.004[mg/l]*	*0.007[mg/l]*	*0.017[mg/l]*	*0.003[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2414190	21895.1	139910	1037400	18467400	382196	388311
Int RSD	*2.400*	*0.146*	*1.556*	*0.250*	*0.529*	*0.356*	*0.318*
Int SD	*57931.6*	*31.951*	*2177.44*	*2589.13*	*97635.4*	*1360.43*	*1236.48*
RelInt Mean	0.128	0.016	0.007	---	---	---	0.372
RelInt RSD	*1.932*	*0.174*	*1.195*	---	---	---	*0.164*
RelInt SD	*0.002*	*0.000*	*0.000*	---	---	---	*0.001*
Conc Mean	1.081[mg/l]	1.140[mg/l]	1.044[mg/l]	1026890	18390400	380758	1.009[mg/l]
Conc RSD	*1.934*	*0.177*	*1.225*	---	---	---	*0.168*
Conc SD	*0.021[mg/l]*	*0.002[mg/l]*	*0.013[mg/l]*	*2613.82*	*97050.7*	*1354.03*	*0.002[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	136523	46502.9	492163	343940	372948	7981.60	
Int RSD	*0.518*	*0.703*	*0.194*	*0.206*	*0.258*	*1.842*	
Int SD	*707.681*	*327.039*	*954.057*	*707.721*	*964.061*	*147.024*	
RelInt Mean	0.358	0.107	0.471	0.329	0.355	0.001	
RelInt RSD	*0.842*	*0.892*	*0.169*	*0.241*	*0.035*	*22.482*	
RelInt SD	*0.003*	*0.001*	*0.001*	*0.001*	*0.000*	*0.000*	
Conc Mean	1.077[mg/l]	1.148[mg/l]	5.670[mg/l]	5.591[mg/l]	1.153[mg/l]	0.021[mg/l]	
Conc RSD	*0.842*	*0.898*	*0.171*	*0.241*	*0.036*	*20.008*	
Conc SD	*0.009[mg/l]*	*0.010[mg/l]*	*0.010[mg/l]*	*0.013[mg/l]*	*0.000[mg/l]*	*0.004[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482341021077 File : met06_master Time : 24-AUG-2022 23:50
Cal : 482341021001 Caldate : 24-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19709800	19387800	-1.63
Yttrium	A	1159560	1110370	-4.24
Yttrium	R	417619	405788	-2.83

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-08-24 23:50:36	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	59459.8	1693.00	4871.01	7495.71	8643.36	986.558	8073.20
Int RSD	*1.239*	*2.449*	*0.797*	*0.689*	*0.487*	*4.841*	*0.536*
Int SD	*736.803*	*41.468*	*38.807*	*51.615*	*42.120*	*47.761*	*43.266*
RelInt Mean	0.000	0.001	-0.000	0.000	0.000	0.002	-0.000
RelInt RSD	*11.904*	*7.404*	*55.281*	*10.108*	*6.007*	*6.222*	*78.454*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	<0.000[mg/l]	<-0.053[mg/l]	<0.002[mg/l]	<-0.000[mg/l]	<0.000[mg/l]	<-0.010[mg/l]	<0.000[mg/l]
Conc RSD	*49.946*	*13.373*	*76.716*	*195.419*	*16.733*	*62.697*	*32.531*
Conc SD	*0.000[mg/l]*	*0.007[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.006[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6986.37	63456.1	10280.0	847.425	2016.33	9903.11	5937.56
Int RSD	*0.307*	*1.220*	*0.578*	*5.587*	*7.642*	*0.401*	*1.971*
Int SD	*21.474*	*774.454*	*59.408*	*47.342*	*154.092*	*39.715*	*117.034*
RelInt Mean	0.000	0.001	0.000	0.002	0.000	0.000	0.000
RelInt RSD	*125.409*	*1.769*	*14.515*	*11.639*	*311.801*	*18.201*	*39.814*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	<-0.000[mg/l]	<-0.002[mg/l]	<-0.001[mg/l]	<0.789[mg/l]	<0.032[mg/l]	<0.000[mg/l]	<0.002[mg/l]
Conc RSD	*956.533*	*12.148*	*14.225*	*22.948*	*176.280*	*199.831*	*56.199*
Conc SD	*0.000[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.181[mg/l]*	*0.057[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	22252.0	8826.17	8931.64	6153.42	4937.74	4664.01	1205.50
Int RSD	*0.890*	*0.378*	*0.500*	*0.336*	*0.845*	*0.679*	*9.869*
Int SD	*198.081*	*33.330*	*44.616*	*20.668*	*41.745*	*31.662*	*118.966*
RelInt Mean	0.035	0.000	-0.000	-0.000	-0.000	0.000	-0.000
RelInt RSD	*0.664*	*14.130*	*47.574*	*98.512*	*219.798*	*132664*	*168.254*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	1.281[mg/l]	<0.000[mg/l]	<-0.001[mg/l]	<-0.001[mg/l]	<-0.000[mg/l]	<-0.001[mg/l]	<0.000[mg/l]
Conc RSD	*0.883*	*149.616*	*198.158*	*129.242*	*404.580*	*57.156*	*546.773*
Conc SD	*0.011[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	63738.7	4533.62	17187.8	1110370	19387800	405788	6617.10
Int RSD	*1.680*	*0.648*	*2.307*	*0.137*	*0.375*	*0.449*	*1.118*
Int SD	*1070.92*	*29.376*	*396.449*	*1517.31*	*72622.1*	*1822.38*	*73.996*
RelInt Mean	-0.000	-0.000	0.000	---	---	---	0.001
RelInt RSD	*71.246*	*18.980*	*2.126*	---	---	---	*10.255*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.000*
Conc Mean	<-0.001[mg/l]	0.005[mg/l]	<-0.000[mg/l]	1100140	19310600	404197	<-0.023[mg/l]
Conc RSD	*12.631*	*26.188*	*2485.30*	---	---	---	*0.901*
Conc SD	*0.000[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*1531.84*	*72626.9*	*1760.05*	*0.000[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	131.898	6527.15	8160.73	6035.73	8182.16	7536.64	
Int RSD	*33.712*	*2.156*	*3.564*	*0.869*	*0.438*	*0.379*	
Int SD	*44.465*	*140.736*	*290.861*	*52.439*	*35.816*	*28.595*	
RelInt Mean	-0.000	0.001	0.001	0.000	0.000	0.000	
RelInt RSD	*68.156*	*51.974*	*46.491*	*30.383*	*46.813*	*17.428*	
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	
Conc Mean	<-0.000[mg/l]	<0.002[mg/l]	<0.001[mg/l]	<0.001[mg/l]	<-0.000[mg/l]	0.010[mg/l]	
Conc RSD	*157.744*	*276.613*	*310.289*	*79.532*	*77.536*	*13.496*	
Conc SD	*0.001[mg/l]*	*0.004[mg/l]*	*0.003[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482341021088 File : met06_master Time : 25-AUG-2022 00:26
Cal : 482341021001 Caldate : 24-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0283	0.0390	1.000	1.079	mg/l	8	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19709800	18582000	-5.72
Yttrium	A	1159560	1032990	-10.92
Yttrium	R	417619	378622	-9.34

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17024 | Sample Type: Control Sample

Measure Date: 2022-08-25 00:26:19 | Recalculation Date: | State: Check failed | Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	367166	7201.71	38749.6	125072	329845	782429	210549
Int RSD	*1.807*	*3.925*	*0.293*	*0.343*	*0.323*	*0.609*	*0.535*
Int SD	*6636.38*	*282.675*	*113.665*	*429.347*	*1066.72*	*4761.39*	*1126.91*
RelInt Mean	0.017	0.009	0.033	0.115	0.314	2.073	0.198
RelInt RSD	*1.993*	*4.206*	*0.408*	*0.255*	*0.168*	*0.177*	*0.403*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.001*	*0.004*	*0.001*
Conc Mean	0.553[mg/l]	1.076[mg/l]	1.138[mg/l]	1.104[mg/l]	1.089[mg/l]	111.012[mg/l]	1.052[mg/l]
Conc RSD	*1.997*	*4.791*	*0.408*	*0.255*	*0.167*	*0.177*	*0.400*
Conc SD	*0.011[mg/l]*	*0.052[mg/l]*	*0.005[mg/l]*	*0.003[mg/l]*	*0.002[mg/l]*	*0.196[mg/l]*	*0.004[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	164709	896093	362053	49576.9	134884	1711640	162097
Int RSD	*0.292*	*2.284*	*0.105*	*1.133*	*0.550*	*0.265*	*0.429*
Int SD	*481.716*	*20466.5*	*378.921*	*561.769*	*742.439*	*4535.27*	*694.857*
RelInt Mean	0.154	0.046	0.344	0.131	0.352	1.664	0.153
RelInt RSD	*0.144*	*2.217*	*0.213*	*1.610*	*0.369*	*0.289*	*0.322*
RelInt SD	*0.000*	*0.001*	*0.001*	*0.002*	*0.001*	*0.005*	*0.000*
Conc Mean	1.071[mg/l]	1.105[mg/l]	1.151[mg/l]	118.928[mg/l]	108.882[mg/l]	1.109[mg/l]	1.140[mg/l]
Conc RSD	*0.144*	*2.257*	*0.213*	*1.620*	*0.368*	*0.289*	*0.322*
Conc SD	*0.002[mg/l]*	*0.025[mg/l]*	*0.002[mg/l]*	*1.927[mg/l]*	*0.401[mg/l]*	*0.003[mg/l]*	*0.004[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	892952	147442	49026.3	38209.2	37993.1	314040	505625
Int RSD	*0.507*	*0.309*	*0.383*	*0.372*	*0.276*	*0.327*	*0.783*
Int SD	*4531.06*	*455.018*	*187.716*	*142.304*	*104.773*	*1025.69*	*3956.82*
RelInt Mean	2.343	0.135	0.039	0.031	0.032	0.302	1.337
RelInt RSD	*0.184*	*0.162*	*0.535*	*0.488*	*0.275*	*0.215*	*0.277*
RelInt SD	*0.004*	*0.000*	*0.000*	*0.000*	*0.000*	*0.001*	*0.004*
Conc Mean	112.971[mg/l]	1.035[mg/l]	1.079[mg/l]	1.121[mg/l]	1.079[mg/l]	5.386[mg/l]	1.087[mg/l]
Conc RSD	*0.185*	*0.162*	*0.534*	*0.490*	*0.274*	*0.215*	*0.276*
Conc SD	*0.209[mg/l]*	*0.002[mg/l]*	*0.006[mg/l]*	*0.005[mg/l]*	*0.003[mg/l]*	*0.012[mg/l]*	*0.003[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2398160	21750.9	138751	1032990	18582000	378622	383384
Int RSD	*2.166*	*0.499*	*2.104*	*0.173*	*0.399*	*0.628*	*0.370*
Int SD	*51938.9*	*108.514*	*2919.41*	*1786.03*	*74055.7*	*2377.88*	*1420.33*
RelInt Mean	0.126	0.016	0.007	---	---	---	0.369
RelInt RSD	*2.082*	*0.385*	*2.133*	---	---	---	*0.228*
RelInt SD	*0.003*	*0.000*	*0.000*	---	---	---	*0.001*
Conc Mean	1.067[mg/l]	1.135[mg/l]	1.027[mg/l]	1022500	18505500	377226	1.001[mg/l]
Conc RSD	*2.085*	*0.378*	*2.188*	---	---	---	*0.234*
Conc SD	*0.022[mg/l]*	*0.004[mg/l]*	*0.022[mg/l]*	*1797.40*	*74124.4*	*2391.35*	*0.002[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	133854	46401.7	489489	340702	369989	7736.04	
Int RSD	*0.650*	*1.569*	*0.318*	*0.213*	*0.301*	*0.667*	
Int SD	*870.104*	*727.840*	*1556.57*	*726.318*	*1115.27*	*51.601*	
RelInt Mean	0.354	0.108	0.471	0.327	0.353	0.000	
RelInt RSD	*0.507*	*1.926*	*0.174*	*0.053*	*0.132*	*18.544*	
RelInt SD	*0.002*	*0.002*	*0.001*	*0.000*	*0.000*	*0.000*	
Conc Mean	1.066[mg/l]	1.157[mg/l]	5.663[mg/l]	5.562[mg/l]	1.149[mg/l]	0.013[mg/l]	
Conc RSD	*0.507*	*1.936*	*0.173*	*0.053*	*0.134*	*15.290*	
Conc SD	*0.005[mg/l]*	*0.022[mg/l]*	*0.010[mg/l]*	*0.003[mg/l]*	*0.002[mg/l]*	*0.002[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482341021089 File : met06_master Time : 25-AUG-2022 00:29
Cal : 482341021001 Caldate : 24-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19709800	19384600	-1.65
Yttrium	A	1159560	1103070	-4.87
Yttrium	R	417619	402190	-3.69

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-08-25 00:29:33	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	59155.8	1801.30	4855.99	7420.40	8582.94	910.923	8029.22
Int RSD	*0.610*	*3.412*	*0.325*	*0.571*	*0.582*	*8.828*	*0.361*
Int SD	*360.613*	*61.461*	*15.796*	*42.375*	*49.938*	*80.417*	*29.002*
RelInt Mean	0.000	0.001	-0.000	0.000	0.000	0.002	-0.000
RelInt RSD	*17.396*	*11.969*	*19.110*	*8.973*	*24.031*	*4.714*	*43.987*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	<0.000[mg/l]	<-0.013[mg/l]	<0.001[mg/l]	<-0.001[mg/l]	<0.000[mg/l]	<-0.010[mg/l]	<0.000[mg/l]
Conc RSD	*83.598*	*127.357*	*43.784*	*57.488*	*79.780*	*50.421*	*44.421*
Conc SD	*0.000[mg/l]*	*0.016[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.005[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6989.83	63208.5	10334.6	831.917	1832.72	9866.15	5950.84
Int RSD	*0.405*	*0.549*	*0.611*	*9.323*	*5.422*	*0.141*	*1.597*
Int SD	*28.315*	*346.894*	*63.162*	*77.563*	*99.367*	*13.899*	*95.029*
RelInt Mean	0.000	0.001	0.000	0.002	-0.000	0.000	0.000
RelInt RSD	*21.222*	*0.836*	*12.809*	*10.686*	*132.905*	*15.696*	*19.761*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	<0.000[mg/l]	<-0.002[mg/l]	<-0.001[mg/l]	<0.704[mg/l]	<-0.065[mg/l]	<0.000[mg/l]	0.002[mg/l]
Conc RSD	*47.205*	*5.880*	*19.436*	*22.320*	*161.535*	*119.865*	*26.701*
Conc SD	*0.000[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.157[mg/l]*	*0.105[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	21440.8	8789.40	8886.30	6141.44	4927.54	4638.42	1107.59
Int RSD	*0.368*	*0.277*	*0.239*	*0.262*	*0.591*	*0.620*	*7.499*
Int SD	*78.981*	*24.357*	*21.260*	*16.081*	*29.122*	*28.759*	*83.062*
RelInt Mean	0.034	0.000	-0.000	-0.000	-0.000	-0.000	-0.000
RelInt RSD	*1.071*	*9.504*	*18.633*	*82.099*	*1980.30*	*254.462*	*63.907*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	1.213[mg/l]	<0.000[mg/l]	<-0.001[mg/l]	<-0.000[mg/l]	<0.000[mg/l]	<-0.001[mg/l]	<-0.000[mg/l]
Conc RSD	*1.446*	*97.273*	*54.591*	*112.882*	*570.839*	*33.903*	*274.353*
Conc SD	*0.018[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	63200.8	4514.09	17145.4	1103070	19384600	402190	6188.50
Int RSD	*0.644*	*0.216*	*1.061*	*0.308*	*0.168*	*0.520*	*0.288*
Int SD	*407.042*	*9.728*	*181.964*	*3402.24*	*32649.1*	*2092.73*	*17.794*
RelInt Mean	-0.000	-0.000	0.000	---	---	---	0.000
RelInt RSD	*49.545*	*15.099*	*1.681*	---	---	---	*3.718*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.000*
Conc Mean	<-0.001[mg/l]	0.005[mg/l]	<0.001[mg/l]	1092800	19307900	400676	<-0.024[mg/l]
Conc RSD	*11.171*	*21.912*	*34.799*	---	---	---	*0.149*
Conc SD	*0.000[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*3384.45*	*32703.4*	*2055.87*	*0.000[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	83.661	6414.69	7898.36	6081.00	8209.29	7492.15	
Int RSD	*54.981*	*1.201*	*0.504*	*1.209*	*0.589*	*0.997*	
Int SD	*45.998*	*77.039*	*39.789*	*73.499*	*48.386*	*74.666*	
RelInt Mean	-0.000	0.001	0.000	0.000	0.000	0.000	
RelInt RSD	*53.581*	*13.285*	*5.534*	*41.975*	*13.213*	*28.659*	
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	
Conc Mean	<-0.000[mg/l]	<0.001[mg/l]	<-0.002[mg/l]	<0.002[mg/l]	<0.000[mg/l]	0.010[mg/l]	
Conc RSD	*129.729*	*109.004*	*15.735*	*84.455*	*45.960*	*21.766*	
Conc SD	*0.001[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.002[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482341021100 File : met06_master Time : 25-AUG-2022 01:05
Cal : 482341021001 Caldate : 24-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0283	0.0390	1.000	1.086	mg/l	9	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19709800	18466700	-6.31
Yttrium	A	1159560	1028570	-11.30
Yttrium	R	417619	382385	-8.44

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17024 | Sample Type: Control Sample

Measure Date: 2022-08-25 01:05:21 | Recalculation Date: | State: Check failed | Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	363116	7289.10	38711.3	125051	329301	790874	210794
Int RSD	*2.112*	*2.232*	*0.323*	*0.156*	*0.229*	*0.521*	*0.436*
Int SD	*7667.58*	*162.687*	*125.009*	*195.516*	*752.871*	*4119.67*	*918.741*
RelInt Mean	0.017	0.009	0.033	0.116	0.315	2.075	0.199
RelInt RSD	*1.781*	*3.404*	*0.351*	*0.037*	*0.138*	*0.241*	*0.333*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.005*	*0.001*
Conc Mean	0.550[mg/l]	1.045[mg/l]	1.142[mg/l]	1.109[mg/l]	1.092[mg/l]	111.097[mg/l]	1.058[mg/l]
Conc RSD	*1.785*	*3.892*	*0.350*	*0.037*	*0.139*	*0.241*	*0.334*
Conc SD	*0.010[mg/l]*	*0.041[mg/l]*	*0.004[mg/l]*	*0.000[mg/l]*	*0.002[mg/l]*	*0.267[mg/l]*	*0.004[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	164163	889893	362125	49434.4	136611	1705810	162077
Int RSD	*0.069*	*2.948*	*0.437*	*0.549*	*0.950*	*0.180*	*0.210*
Int SD	*113.143*	*26234.3*	*1582.08*	*271.445*	*1297.34*	*3069.90*	*339.700*
RelInt Mean	0.154	0.046	0.346	0.129	0.353	1.665	0.153
RelInt RSD	*0.140*	*2.420*	*0.546*	*0.974*	*0.421*	*0.387*	*0.423*
RelInt SD	*0.000*	*0.001*	*0.002*	*0.001*	*0.001*	*0.006*	*0.001*
Conc Mean	1.072[mg/l]	1.104[mg/l]	1.156[mg/l]	117.308[mg/l]	109.195[mg/l]	1.110[mg/l]	1.145[mg/l]
Conc RSD	*0.141*	*2.462*	*0.547*	*0.980*	*0.421*	*0.387*	*0.423*
Conc SD	*0.002[mg/l]*	*0.027[mg/l]*	*0.006[mg/l]*	*1.149[mg/l]*	*0.460[mg/l]*	*0.004[mg/l]*	*0.005[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	904961	147549	49072.3	38198.4	38116.7	314674	512011
Int RSD	*0.559*	*0.332*	*0.267*	*0.566*	*0.273*	*0.092*	*0.822*
Int SD	*5059.81*	*490.480*	*130.932*	*216.043*	*104.043*	*288.322*	*4209.96*
RelInt Mean	2.352	0.136	0.039	0.031	0.032	0.304	1.341
RelInt RSD	*0.053*	*0.271*	*0.224*	*0.456*	*0.298*	*0.268*	*0.338*
RelInt SD	*0.001*	*0.000*	*0.000*	*0.000*	*0.000*	*0.001*	*0.005*
Conc Mean	113.378[mg/l]	1.041[mg/l]	1.086[mg/l]	1.127[mg/l]	1.090[mg/l]	5.421[mg/l]	1.090[mg/l]
Conc RSD	*0.052*	*0.271*	*0.223*	*0.458*	*0.298*	*0.268*	*0.337*
Conc SD	*0.060[mg/l]*	*0.003[mg/l]*	*0.002[mg/l]*	*0.005[mg/l]*	*0.003[mg/l]*	*0.015[mg/l]*	*0.004[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2392130	21746.7	137410	1028570	18466700	382385	382076
Int RSD	*2.751*	*0.299*	*2.505*	*0.209*	*0.909*	*0.534*	*0.118*
Int SD	*65813.0*	*65.031*	*3442.03*	*2144.60*	*167914*	*2043.36*	*450.982*
RelInt Mean	0.126	0.016	0.007	---	---	---	0.369
RelInt RSD	*2.087*	*0.453*	*2.058*	---	---	---	*0.107*
RelInt SD	*0.003*	*0.000*	*0.000*	---	---	---	*0.000*
Conc Mean	1.071[mg/l]	1.141[mg/l]	1.023[mg/l]	1018120	18390700	380959	1.002[mg/l]
Conc RSD	*2.089*	*0.455*	*2.111*	---	---	---	*0.110*
Conc SD	*0.022[mg/l]*	*0.005[mg/l]*	*0.022[mg/l]*	*2134.63*	*168193*	*2053.21*	*0.001[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	136536	46651.4	510694	340278	370623	8228.87	
Int RSD	*0.657*	*0.267*	*0.212*	*0.294*	*0.340*	*1.884*	
Int SD	*896.957*	*124.399*	*1084.18*	*1000.29*	*1260.05*	*155.050*	
RelInt Mean	0.357	0.107	0.494	0.328	0.356	0.001	
RelInt RSD	*0.383*	*0.832*	*0.078*	*0.156*	*0.263*	*20.142*	
RelInt SD	*0.001*	*0.001*	*0.000*	*0.001*	*0.001*	*0.000*	
Conc Mean	1.076[mg/l]	1.153[mg/l]	5.939[mg/l]	5.579[mg/l]	1.156[mg/l]	0.032[mg/l]	
Conc RSD	*0.382*	*0.837*	*0.078*	*0.157*	*0.263*	*18.651*	
Conc SD	*0.004[mg/l]*	*0.010[mg/l]*	*0.005[mg/l]*	*0.009[mg/l]*	*0.003[mg/l]*	*0.006[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 467872 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482341021101 File : met06_master Time : 25-AUG-2022 01:08
Cal : 482341021001 Caldate : 24-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19709800	18992500	-3.64
Yttrium	A	1159560	1094340	-5.62
Yttrium	R	417619	402508	-3.62

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-08-25 01:08:36	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	58960.9	1745.49	4810.52	7504.81	8517.08	934.538	8043.17
Int RSD	*0.970*	*9.632*	*0.947*	*0.513*	*0.653*	*6.336*	*0.401*
Int SD	*571.841*	*168.127*	*45.561*	*38.525*	*55.588*	*59.214*	*32.258*
RelInt Mean	0.000	0.001	-0.000	0.000	0.000	0.002	0.000
RelInt RSD	*32.521*	*19.322*	*16.906*	*5.772*	*50.911*	*13.038*	*59.179*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	<0.000[mg/l]	<0.004[mg/l]	<-0.000[mg/l]	<0.000[mg/l]	<-0.000[mg/l]	<-0.014[mg/l]	<0.000[mg/l]
Conc RSD	*122.642*	*842.668*	*1540.25*	*73.012*	*356.186*	*87.876*	*20.522*
Conc SD	*0.001[mg/l]*	*0.030[mg/l]*	*0.001[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.013[mg/l]*	*0.000[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6935.90	62945.0	10104.0	715.681	1972.03	9817.69	5925.14
Int RSD	*0.124*	*0.701*	*0.482*	*13.771*	*11.297*	*0.800*	*1.462*
Int SD	*8.624*	*441.266*	*48.715*	*98.559*	*222.774*	*78.494*	*86.603*
RelInt Mean	0.000	0.001	0.000	0.001	0.000	0.000	0.000
RelInt RSD	*18.877*	*0.674*	*8.659*	*6.486*	*329.018*	*26.510*	*21.278*
RelInt SD	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	<0.000[mg/l]	<-0.002[mg/l]	<-0.001[mg/l]	<0.445[mg/l]	<0.050[mg/l]	<0.000[mg/l]	0.002[mg/l]
Conc RSD	*67.828*	*5.439*	*4.619*	*17.653*	*237.367*	*274.586*	*29.104*
Conc SD	*0.000[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*	*0.079[mg/l]*	*0.119[mg/l]*	*0.000[mg/l]*	*0.001[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	21363.8	8724.78	8862.59	6192.54	4925.74	4592.33	1111.68
Int RSD	*2.976*	*0.298*	*0.631*	*0.485*	*0.615*	*0.360*	*21.727*
Int SD	*635.840*	*26.003*	*55.952*	*30.032*	*30.276*	*16.515*	*241.539*
RelInt Mean	0.034	0.000	-0.000	0.000	0.000	-0.000	-0.000
RelInt RSD	*2.517*	*7.122*	*60.077*	*80.856*	*111.767*	*91.901*	*116.497*
RelInt SD	*0.001*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Conc Mean	1.207[mg/l]	<0.000[mg/l]	<-0.001[mg/l]	<0.002[mg/l]	<0.002[mg/l]	<-0.001[mg/l]	<0.000[mg/l]
Conc RSD	*3.399*	*316.928*	*230.894*	*73.770*	*99.298*	*10.894*	*357.372*
Conc SD	*0.041[mg/l]*	*0.000[mg/l]*	*0.002[mg/l]*	*0.002[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	62872.4	4479.27	17051.4	1094340	18992500	402508	6145.08
Int RSD	*0.639*	*0.213*	*1.109*	*0.129*	*0.941*	*0.909*	*0.152*
Int SD	*401.821*	*9.532*	*189.108*	*1415.20*	*178718*	*3659.76*	*9.326*
RelInt Mean	-0.000	-0.000	0.000	---	---	---	0.000
RelInt RSD	*41.773*	*8.290*	*3.419*	---	---	---	*4.305*
RelInt SD	*0.000*	*0.000*	*0.000*	---	---	---	*0.000*
Conc Mean	<-0.001[mg/l]	0.004[mg/l]	<0.001[mg/l]	1084140	18916200	400989	<-0.024[mg/l]
Conc RSD	*10.862*	*13.831*	*112.019*	---	---	---	*0.175*
Conc SD	*0.000[mg/l]*	*0.001[mg/l]*	*0.001[mg/l]*	*1443.75*	*178226*	*3671.00*	*0.000[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9.955	6194.68	9840.42	5923.09	8128.63	7355.31	
Int RSD	*1119.81*	*3.915*	*6.289*	*1.958*	*0.304*	*0.325*	
Int SD	*111.480*	*242.540*	*618.906*	*115.947*	*24.709*	*23.900*	
RelInt Mean	-0.001	0.000	0.002	0.000	0.000	0.000	
RelInt RSD	*48.072*	*27.181*	*26.185*	*86.811*	*22.667*	*35.964*	
RelInt SD	*0.000*	*0.000*	*0.001*	*0.000*	*0.000*	*0.000*	
Conc Mean	<-0.001[mg/l]	<-0.002[mg/l]	0.021[mg/l]	<0.000[mg/l]	<0.000[mg/l]	0.007[mg/l]	
Conc RSD	*77.713*	*53.562*	*33.975*	*575.531*	*259.593*	*23.647*	
Conc SD	*0.001[mg/l]*	*0.001[mg/l]*	*0.007[mg/l]*	*0.002[mg/l]*	*0.000[mg/l]*	*0.002[mg/l]*	

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 467089
Report Level: IV
Report Date: 01/06/2023

PCBs

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	467089
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/09/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.6GW-INT-17TO18-220808-P-CB	467089-001	08/08/22 10:28	Wipe
DOOR-N-0.8GW-PS-17-220808-P-LA	467089-003	08/08/22 11:10	Wipe
DOOR-N-0.6GE-EXT-3 TO 4-220808-P-CB	467089-005	08/08/22 10:00	Wipe
DOOR-N-0.8GE-DG-3 TO 17-220808-P-G	467089-007	08/08/22 11:10	Wipe
DOOR-N-0.9GE-DG-4 TO 17-220808-P-LA	467089-009	08/08/22 10:15	Wipe

ENTHALPY ANALYTICAL

Case Narrative

PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 467089 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 08/09/22

This data package contains sample and QC results for five wipe samples, requested for the above referenced project on 08/09/22. See attached cooler receipt form for any sample receipt problems or discrepancies. Reissued 1/6/23 to revise the preparation method reference.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

1/67089

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 S = NaOH 6 = Other

Report: Level IV data validation

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
1	DOOR-N-0.6GW-INT-17 TO 18-220808-P-CB	8/8/2022	1028	WP	1		X		
2	DOOR-N-0.6GW-INT-17 TO 18-220808-L-CB	8/8/2022	1028	WP	1			X	
3	DOOR-N-0.8GW-PS-17-220808-P-LA	8/8/2022	1110	WP	1		X		
4	DOOR-N-0.8GW-PS-17-220808-L-LA	8/8/2022	1110	WP	1			X	
5	DOOR-N-0.6GE-EXT-3 TO 4-220808-P-CB	8/8/2022	1000	WP	1		X		
6	DOOR-N-0.6GE-EXT-3 TO 4-220808-L-CB	8/8/2022	1000	WP	1			X	
7	DOOR-N-0.8GE-DG-3 TO 17-220808-P-G	8/8/2022	1110	WP	1		X		
8	DOOR-N-0.8GE-DG-3 TO 17-220808-L-G	8/8/2022	1110	WP	1			X	
9	DOOR-N-0.9GE-DG-4 TO 17-220808-P-LA	8/8/2022	1015	WP	1		X		
10	DOOR-N-0.9GE-DG-4 TO 17-220808-L-LA	8/8/2022	1015	WP	1			X	
11									
12									
13									
14									
15									

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure B (high occupancy)

6x Rivet Type 2 = 0.060ft²

2x Rivet Type 3 = 0.035ft²

6x Rivet Type 2 = 0.060ft²

2x Rivet Type 1 = 0.0276ft²

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Donald Welsh	Rincon Consultants	8/8/22 17:45
1 Received By:		yamila	CA	8/9/2022 09:47
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants, Inc. Project: Hangar 1 - NCTRA WP / 15[illegible] Cody Road. Mountain View, CA

Date Received: 8/9/2022 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3-4 #2: _____ #3: _____ #4: _____

(Acceptonce range is < 6°C but not frazen (for Microbiology samples, acceptance ronge is < 10°C but not frozen). It is acceptable for samples collected the same doy as sample receipt to hove a higher temperoture as lang as there is evidence thot cooling hos begun.)

Shipping Information: Fedex

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1-6 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?	✓		
If custody seals are present, were they intact?	✓		
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____ ☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yanita Date: 8/9/2022

ORIGIN ID:NUQA (619) 977-6886
KERRY CAMPBELL
1935 W EL CAMINO REAL
MOUNTAIN VIEW, CA 94040
UNITED STATES US

SHIP DATE: 08AUG22
ACTWGT: 30.00 LB
CAD: 254485286/INET4490
DIMS: 23x13x14 IN

BILL SENDER

TO **SAMPLE RECEIVING**
ENTHALPY ANALYTICAL
931 W BARKLEY AVE
ORANGE CA 92868
(510) 204-2233
INV:
PO: 20-10491
REF: MOFFETT
DEPT:

581J2/F39D/FE4A

J22202284201uu

FedEx Express

TUE - 09 AUG 10:30A
PRIORITY OVERNIGHT

TRK# 0201 7776 0520 4341

92868
CA-US SNA

92 APVA

CUSTODY SEAL

ENVIRONMENTAL SAMPLING SUPPLY
www.essvial.com 800-[illegible]

Signature: _____ Date: 8/8/22

Label:
on on this page to print your label to your laser or inkjet printer.
age along the horizontal line.
ping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

ne printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

5/3.4
6/1.6

Results & QC Summary

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467089 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.6GW-INT-17TO18-220808-P-CB **Batch#:** 294760 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/08/22 **Analysis:** EPA 8082

Lab ID: 467089-001 **Received:** 08/09/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/10/22

Diln Fac: 1.000 **Analyzed:** 08/10/22

467089-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467089-001 Surrogate	%REC	Limits
TCMX (PCB)	85	52-186
Decachlorobiphenyl (PCB)	93	50-150

Field ID: DOOR-N-0.8GW-PS-17-220808-P-LA **Batch#:** 294760 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/08/22 **Analysis:** EPA 8082

Lab ID: 467089-003 **Received:** 08/09/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/10/22

Diln Fac: 1.000 **Analyzed:** 08/10/22

467089-003 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467089-003 Surrogate	%REC	Limits
TCMX (PCB)	93	52-186
Decachlorobiphenyl (PCB)	94	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467089 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.6GE-EXT-3 TO 4-220808-P-CB **Batch#:** 294760 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/08/22 **Analysis:** EPA 8082

Lab ID: 467089-005 **Received:** 08/09/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/10/22

Diln Fac: 1.000 **Analyzed:** 08/10/22

467089-005 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467089-005 Surrogate	%REC	Limits
TCMX (PCB)	84	52-186
Decachlorobiphenyl (PCB)	76	50-150

Field ID: DOOR-N-0.8GE-DG-3 TO 17-220808-P-G **Batch#:** 294760 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/08/22 **Analysis:** EPA 8082

Lab ID: 467089-007 **Received:** 08/09/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/10/22

Diln Fac: 1.000 **Analyzed:** 08/10/22

467089-007 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467089-007 Surrogate	%REC	Limits
TCMX (PCB)	80	52-186
Decachlorobiphenyl (PCB)	84	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467089 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.9GE-DG-4 TO 17-220808-P-LA **Batch#:** 294760 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/08/22 **Analysis:** EPA 8082

Lab ID: 467089-009 **Received:** 08/09/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/10/22

DiIn Fac: 1.000 **Analyzed:** 08/10/22

467089-009 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467089-009 Surrogate	%REC	Limits
TCMX (PCB)	98	52-186
Decachlorobiphenyl (PCB)	93	50-150

Type: BLANK **Batch#:** 294760 **Analysis:** EPA 8082

Lab ID: QC1005786 **Prepared:** 08/10/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/10/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1005786 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1005786 Surrogate	%REC	Limits
TCMX (PCB)	97	52-186
Decachlorobiphenyl (PCB)	106	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 467089 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 294760 **Analysis:** EPA 8082

Lab ID: QC1005787 **Prepared:** 08/10/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/10/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1005787 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.420	108	60-140	ug/100 cm2
Aroclor-1260	5.000	6.641	133	60-140	ug/100 cm2

QC1005787 Surrogate	%REC	Limits
TCMX (PCB)	99	52-186
Decachlorobiphenyl (PCB)	117	60-140

Type: BSD **Batch#:** 294760 **Analysis:** EPA 8082

Lab ID: QC1005788 **Prepared:** 08/10/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/10/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1005788 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.443	109	60-140	ug/100 cm2	0	20
Aroclor-1260	5.000	5.993	120	60-140	ug/100 cm2	10	20

QC1005788 Surrogate	%REC	Limits
TCMX (PCB)	99	52-186
Decachlorobiphenyl (PCB)	98	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 467089 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_072622_1
Calibration #:	212298819002	Date:	27-JUL-2022 08:03
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc02_072622-044	212298819044		27-JUL-2022 08:03	S17023 (100X), S17010 (250X)
L2	gc02_072622-045	212298819045		27-JUL-2022 08:21	S17023 (40X), S17010 (250X)
L3	gc02_072622-046	212298819046		27-JUL-2022 08:38	S17023 (20X), S17010 (250X)
L4	gc02_072622-047	212298819047		27-JUL-2022 08:56	S17023 (8X), S17010 (250X)
L5	gc02_072622-048	212298819048		27-JUL-2022 09:14	S17023 (4X), S17010 (250X)
L6	gc02_072622-049	212298819049		27-JUL-2022 09:32	S17023 (2.667X), S17010 (250X)
L7	gc02_072622-050	212298819050		27-JUL-2022 09:50	S17023 (2X), S17010 (250X)
L8	gc02_072622-051	212298819051		27-JUL-2022 10:07	S17023 (1.33X), S17010 (250X)
L9	gc02_072622-052	212298819052		27-JUL-2022 10:25	S17023, S17010 (250X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		76.1896		0.0131	13	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		39.4649		0.0253	14	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		25.1211		0.0398	11	7	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		42.9497		0.0233	11	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		49.0276		0.0204	11	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		24.4019		0.0410	12	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		15.7433		0.0635	12	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		13.3542		0.0749	12	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		29.5041		0.0339	12	7	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		20.2842		0.0493	17	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		1.06860		0.9358	16	9	.99	20	
TCMX (PCB)	A	AVRG		1.28277		0.7796	11	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		53.0790		0.0188	15	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		25.8819		0.0386	15	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		20.8894		0.0479	15	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		29.5198		0.0339	14	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		36.2658		0.0276	12	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		17.6325		0.0567	16	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		16.1140		0.0621	18	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		12.1852		0.0821	16	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		21.8319		0.0458	18	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		15.2122		0.0657	17	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.97903		1.0214	15	9	.99	20	
TCMX (PCB)	B	AVRG		1.09453		0.9136	14	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 467089 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_072622_1
Calibration #:	212298819002	Date:	27-JUL-2022 08:03
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0124	0.0159	0.0151	0.0143	0.0113	0.0113	0.0132	0.0129	0.0118
Aroclor-1016 Peak # 2	A	0.0260	0.0317	0.0287	0.0267	0.0219	0.0217	0.0258	0.0255	0.0201
Aroclor-1016 Peak # 3	A	0.0400	0.0466	0.0424	0.0403	0.0326	0.0359	0.0410		
Aroclor-1016 Peak # 4	A	0.0251	0.0279	0.0243	0.0239	0.0190	0.0202	0.0230	0.0239	0.0224
Aroclor-1016 Peak # 5	A	0.0214	0.0243	0.0219	0.0206	0.0167	0.0176	0.0202	0.0207	0.0202
Aroclor-1260 Peak # 1	A	0.0417	0.0513	0.0432	0.0409	0.0338	0.0354	0.0422	0.0410	0.0392
Aroclor-1260 Peak # 2	A	0.0588	0.0795	0.0673	0.0620	0.0522	0.0568	0.0678	0.0646	0.0626
Aroclor-1260 Peak # 3	A	0.0762	0.0938	0.0741	0.0703	0.0621	0.0688	0.0716	0.0800	0.0770
Aroclor-1260 Peak # 4	A		0.0400	0.0357	0.0320	0.0274	0.0309	0.0365	0.0348	
Aroclor-1260 Peak # 5	A	0.0384	0.0568	0.0490	0.0479	0.0381	0.0442	0.0535	0.0516	0.0642
Decachlorobiphenyl (PCB)	A	0.8306	1.0837	0.8904	0.8451	0.7096	0.8383	1.1608	1.1188	0.9449
TCMX (PCB)	A	0.7544	0.9272	0.8229	0.7940	0.6450	0.6715	0.7924	0.8110	0.7977
Aroclor-1016 Peak # 1	B	0.0224	0.0226	0.0214	0.0202	0.0159	0.0159	0.0176	0.0166	0.0169
Aroclor-1016 Peak # 2	B	0.0404	0.0500	0.0444	0.0422	0.0329	0.0328	0.0361	0.0339	0.0351
Aroclor-1016 Peak # 3	B	0.0507	0.0605	0.0546	0.0531	0.0402	0.0400	0.0442	0.0431	0.0446
Aroclor-1016 Peak # 4	B	0.0352	0.0425	0.0383	0.0373	0.0293	0.0286	0.0316	0.0305	0.0315
Aroclor-1016 Peak # 5	B	0.0294	0.0338	0.0309	0.0283	0.0234	0.0242	0.0267	0.0252	0.0265
Aroclor-1260 Peak # 1	B	0.0572	0.0749	0.0666	0.0591	0.0471	0.0494	0.0544	0.0495	0.0522
Aroclor-1260 Peak # 2	B	0.0656	0.0855	0.0733	0.0644	0.0514	0.0533	0.0585	0.0528	0.0539
Aroclor-1260 Peak # 3	B	0.0834	0.1106	0.0947	0.0846	0.0677	0.0716	0.0784	0.0714	0.0763
Aroclor-1260 Peak # 4	B	0.0517	0.0638	0.0515	0.0458	0.0384	0.0409	0.0389	0.0400	0.0412
Aroclor-1260 Peak # 5	B	0.0689	0.0885	0.0756	0.0676	0.0532	0.0571	0.0610	0.0552	0.0646
Decachlorobiphenyl (PCB)	B	1.0276	1.3642	1.1241	1.0112	0.8307	0.9396	1.0059	0.9072	0.9824
TCMX (PCB)	B	1.0052	1.1320	1.0317	0.9356	0.7617	0.7712	0.8665	0.8338	0.8850

ENTHALPY INITIAL CALIBRATION FOR 467089 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_072622_1
Calibration #:	212298819002	Date:	27-JUL-2022 08:03
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	-6	50.000	**21**	100.00	15	250.00	9	500.00	-14	749.91	-14	1000.0	0	1503.8	-1
Aroclor-1016 Peak # 2	A	20.000	2	50.000	**25**	100.00	13	250.00	5	500.00	-14	749.91	-14	1000.0	2	1503.8	1
Aroclor-1016 Peak # 3	A	20.000	0	50.000	17	100.00	7	250.00	1	500.00	-18	749.91	-10	1000.0	3		
Aroclor-1016 Peak # 4	A	20.000	8	50.000	20	100.00	4	250.00	3	500.00	-18	749.91	-13	1000.0	-1	1503.8	3
Aroclor-1016 Peak # 5	A	20.000	5	50.000	19	100.00	7	250.00	1	500.00	-18	749.91	-14	1000.0	-1	1503.8	2
Aroclor-1260 Peak # 1	A	20.000	2	50.000	**25**	100.00	6	250.00	0	500.00	-18	749.91	-14	1000.0	3	1503.8	0
Aroclor-1260 Peak # 2	A	20.000	-7	50.000	**25**	100.00	6	250.00	-2	500.00	-18	749.91	-11	1000.0	7	1503.8	2
Aroclor-1260 Peak # 3	A	20.000	2	50.000	**25**	100.00	-1	250.00	-6	500.00	-17	749.91	-8	1000.0	-4	1503.8	7
Aroclor-1260 Peak # 4	A			50.000	18	100.00	5	250.00	-5	500.00	-19	749.91	-9	1000.0	8	1503.8	3
Aroclor-1260 Peak # 5	A	20.000	**-22**	50.000	15	100.00	-1	250.00	-3	500.00	**-23**	749.91	-10	1000.0	8	1503.8	5
Decachlorobiphenyl (PCB)	A	0.8000	-11	2.0000	16	4.0000	-5	10.000	-10	20.000	**-24**	29.996	-10	40.000	**24**	60.150	20
TCMX (PCB)	A	0.8000	-3	2.0000	19	4.0000	6	10.000	2	20.000	-17	29.996	-14	40.000	2	60.150	4
Aroclor-1016 Peak # 1	B	20.000	19	50.000	20	100.00	14	250.00	7	500.00	-16	749.91	-16	1000.0	-7	1503.8	-12
Aroclor-1016 Peak # 2	B	20.000	4	50.000	**29**	100.00	15	250.00	9	500.00	-15	749.91	-15	1000.0	-7	1503.8	-12
Aroclor-1016 Peak # 3	B	20.000	6	50.000	**26**	100.00	14	250.00	11	500.00	-16	749.91	-17	1000.0	-8	1503.8	-10
Aroclor-1016 Peak # 4	B	20.000	4	50.000	**25**	100.00	13	250.00	10	500.00	-14	749.91	-15	1000.0	-7	1503.8	-10
Aroclor-1016 Peak # 5	B	20.000	7	50.000	**22**	100.00	12	250.00	2	500.00	-15	749.91	-12	1000.0	-3	1503.8	-9
Aroclor-1260 Peak # 1	B	20.000	1	50.000	**32**	100.00	17	250.00	4	500.00	-17	749.91	-13	1000.0	-4	1503.8	-13
Aroclor-1260 Peak # 2	B	20.000	6	50.000	**38**	100.00	18	250.00	4	500.00	-17	749.91	-14	1000.0	-6	1503.8	-15
Aroclor-1260 Peak # 3	B	20.000	2	50.000	**35**	100.00	15	250.00	3	500.00	-17	749.91	-13	1000.0	-5	1503.8	-13
Aroclor-1260 Peak # 4	B	20.000	13	50.000	**39**	100.00	12	250.00	0	500.00	-16	749.91	-11	1000.0	-15	1503.8	-13
Aroclor-1260 Peak # 5	B	20.000	5	50.000	**35**	100.00	15	250.00	3	500.00	-19	749.91	-13	1000.0	-7	1503.8	-16
Decachlorobiphenyl (PCB)	B	0.8000	1	2.0000	**34**	4.0000	10	10.000	-1	20.000	-19	29.996	-8	40.000	-2	60.150	-11
TCMX (PCB)	B	0.8000	10	2.0000	**24**	4.0000	13	10.000	2	20.000	-17	29.996	-16	40.000	-5	60.150	-9

ENTHALPY INITIAL CALIBRATION FOR 467089 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_072622_1
Calibration #:	212298819002	Date:	27-JUL-2022 08:03
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-10
Aroclor-1016 Peak # 2	A	2000.0	**-21**
Aroclor-1016 Peak # 3	A		
Aroclor-1016 Peak # 4	A	2000.0	-4
Aroclor-1016 Peak # 5	A	2000.0	-1
Aroclor-1260 Peak # 1	A	2000.0	-4
Aroclor-1260 Peak # 2	A	2000.0	-1
Aroclor-1260 Peak # 3	A	2000.0	3
Aroclor-1260 Peak # 4	A		
Aroclor-1260 Peak # 5	A	2000.0	**30**
Decachlorobiphenyl (PCB)	A	80.000	1
TCMX (PCB)	A	80.000	2
Aroclor-1016 Peak # 1	B	2000.0	-11
Aroclor-1016 Peak # 2	B	2000.0	-9
Aroclor-1016 Peak # 3	B	2000.0	-7
Aroclor-1016 Peak # 4	B	2000.0	-7
Aroclor-1016 Peak # 5	B	2000.0	-4
Aroclor-1260 Peak # 1	B	2000.0	-8
Aroclor-1260 Peak # 2	B	2000.0	-13
Aroclor-1260 Peak # 3	B	2000.0	-7
Aroclor-1260 Peak # 4	B	2000.0	-10
Aroclor-1260 Peak # 5	B	2000.0	-2
Decachlorobiphenyl (PCB)	B	80.000	-4
TCMX (PCB)	B	80.000	-3

TRN 07/27/22 : Manually integrated peak for coeluting peak,negative/positive baseline, both/one channel for multiple levels

Analyst: TRN 07/27/22 *

Reviewer: LW 07/27/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 467089 PCBS Wipe

EPA 8082

Inst:	SVOA-GC02	Name:	PCB_072622_1
Calnum:	212298819002	Cal Date:	27-JUL-2022

- ICV 212298819054 (gc02_072622-054 27-JUL-2022) stds: S16736

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	455.5	ug/L	-9	15	
Aroclor-1260	A	500.0	526.6	ug/L	5	15	
Aroclor-1016	B	500.0	481.2	ug/L	-4	15	
Aroclor-1260	B	500.0	492.4	ug/L	-2	15	

-

Analyst: TRN 07/27/22 *

Reviewer: LW 07/27/22

ENTHALPY CONTINUING CALIBRATION FOR 467089 PCBS Wipe

EPA 8082

Inst:	SVOA-GC02			IDF:	1.0
Seqnum:	212320550010	File:	gc02_081022-010	Time:	10-AUG-2022 16:40
Cal:	212298819002	Caldate:	27-JUL-2022		

Standards: S17006

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	425.7	ug/L	-15	15	0.0000	
Aroclor-1260	A			500.0	447.0	ug/L	-11	15	0.0000	
Decachlorobiphenyl (PCB)	A	0.9358	1.0906	20.00	23.31	ug/L	**17**	15	0.0000	c+
TCMX (PCB)	A	0.7796	0.8684	20.00	22.28	ug/L	11	15	0.0000	
Aroclor-1016	B			500.0	400.0	ug/L	**-20**	15	0.0000	**c-** ***
Aroclor-1260	B			500.0	411.2	ug/L	**-18**	15	0.0000	**c-** ***
Decachlorobiphenyl (PCB)	B	1.0214	1.2349	20.00	24.18	ug/L	**21**	15	0.0000	c+
TCMX (PCB)	B	0.9136	0.9254	20.00	20.26	ug/L	1	15	0.0000	

ISTD (ICAL gc02_072622-045)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4436282	4588277	3.43
1-bromo-2-nitrobenzene (PCB)	A	83889003	80982294	-3.46

TRN 08/10/22 : Report from CH A

TRN 08/10/22 [1-bromo-2-nitrobenzene (PCB) A]: Corrected baseline noise or negative peak for Ch. A.

+=high bias -=low bias c=CCV

Analyst: TRN 08/10/22 **Reviewer:** LW 08/11/22

Enthalpy Internal Standard Summary for Sequence 212320550

Date:	08/10/22	Reference:	gc02_072622-045
Sequence:	SVOA-GC02 gc02_081022-	Analyzed:	07/27/22 08:21

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	4436282	83889003
		LOWER LIMIT	2218141	41944502
		UPPER LIMIT	8872564	167778007
010	CCV		4588277	80982294

Enthalpy Internal Standard Summary for Sequence 212320550

Date:	08/10/22	Reference:	gc02_081022-010
Sequence:	SVOA-GC02 gc02_081022-	Analyzed:	08/10/22 16:40

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4588277	80982294
		LOWER LIMIT	2294138	40491147
		UPPER LIMIT	9176554	161964587
015	BLANK	QC1005786	4356017	81711118
016	BS	QC1005787	4269137	78948143
017	BSD	QC1005788	4004390	73858906
018	SAMPLE	467089-001	4446808	70595396
019	SAMPLE	467089-003	4706700	71105710
020	SAMPLE	467089-005	4153650	61436855
021	SAMPLE	467089-007	3991035	61709791
022	SAMPLE	467089-009	4578328	67077643
023	BLANK	QC1005986	4212872	84653662
023	BLANK	QC1005986	4212872	84653662
027	LCS	QC1005990	4330410	76054970
028	MS	QC1005991	4421822	54344515
029	MSD	QC1005992	4421632	55502896
030	BLANK	QC1005986	3726551	75268981
031	LCS	QC1005990	4091706	83825093
032	MSS	466877-001	5380214	53077413
032	MSS	466877-001	5380214	53077413
033	SAMPLE	466991-001	4190451	84172117
034	SAMPLE	466991-002	3605581	70282129
035	SAMPLE	466991-003	3090533	59578704
037	SAMPLE	467095-001	5178154	61531567
038	SAMPLE	467095-003	4373008	68234488
039	SAMPLE	467095-005	4041440	69714662
040	SAMPLE	467095-006	3924380	67972979
041	SAMPLE	467095-008	4182102	53781746
042	SAMPLE	467095-009	3921070	58062011
043	SAMPLE	467095-011	3957060	66311888
044	SAMPLE	467095-013	4930311	81893993

Enthalpy Internal Standard Summary for Sequence 212320550

Date:	08/10/22	Reference:	gc02_081022-010
Sequence:	SVOA-GC02 gc02_081022-	Analyzed:	08/10/22 16:40

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.09	3.90
		LOWER LIMIT	3.89	3.70
		UPPER LIMIT	4.29	4.10
015	BLANK	QC1005786	4.09	3.90
016	BS	QC1005787	4.09	3.90
017	BSD	QC1005788	4.09	3.90
018	SAMPLE	467089-001	4.09	3.90
019	SAMPLE	467089-003	4.09	3.90
020	SAMPLE	467089-005	4.09	3.90
021	SAMPLE	467089-007	4.09	3.90
022	SAMPLE	467089-009	4.09	3.90
023	BLANK	QC1005986	4.09	3.90
027	LCS	QC1005990	4.09	3.90
028	MS	QC1005991	4.09	3.90
029	MSD	QC1005992	4.09	3.89
030	BLANK	QC1005986	4.09	3.90
031	LCS	QC1005990	4.09	3.90
032	MSS	466877-001	4.09	3.89
033	SAMPLE	466991-001	4.09	3.90
034	SAMPLE	466991-002	4.09	3.90
035	SAMPLE	466991-003	4.09	3.90
037	SAMPLE	467095-001	4.09	3.89
038	SAMPLE	467095-003	4.09	3.90
039	SAMPLE	467095-005	4.09	3.90
040	SAMPLE	467095-006	4.09	3.90
041	SAMPLE	467095-008	4.09	3.90
042	SAMPLE	467095-009	4.09	3.90
043	SAMPLE	467095-011	4.09	3.90
044	SAMPLE	467095-013	4.09	3.90

Instrument: SVOA-GC02 Begun: 07/26/22 12:19
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
004	gc02_072622-004	CCV				07/26/22 12:19	1.0	1	
006	gc02_072622-006	PEM				07/26/22 20:47	1.0	2	
033	gc02_072622-033	ICAL				07/27/22 04:47	1.0	3 4	
034	gc02_072622-034	ICAL				07/27/22 05:05	1.0	3 4	
035	gc02_072622-035	ICAL				07/27/22 05:23	1.0	3 4	
036	gc02_072622-036	ICAL				07/27/22 05:41	1.0	3 4	
037	gc02_072622-037	ICAL				07/27/22 05:58	1.0	3 4	
038	gc02_072622-038	ICAL				07/27/22 06:16	1.0	3 4	
039	gc02_072622-039	ICAL				07/27/22 06:34	1.0	3 4	
040	gc02_072622-040	ICAL				07/27/22 06:52	1.0	3 4	
042	gc02_072622-042	ICV				07/27/22 07:27	1.0	5	
044	gc02_072622-044	ICAL				07/27/22 08:03	1.0	6 4	
045	gc02_072622-045	ICAL				07/27/22 08:21	1.0	6 4	
046	gc02_072622-046	ICAL				07/27/22 08:38	1.0	6 4	
047	gc02_072622-047	ICAL				07/27/22 08:56	1.0	6 4	
048	gc02_072622-048	ICAL				07/27/22 09:14	1.0	6 4	
049	gc02_072622-049	ICAL				07/27/22 09:32	1.0	6 4	
050	gc02_072622-050	ICAL				07/27/22 09:50	1.0	6 4	
051	gc02_072622-051	ICAL				07/27/22 10:07	1.0	6 4	
052	gc02_072622-052	ICAL				07/27/22 10:25	1.0	6 4	
054	gc02_072622-054	ICV/CCV				07/27/22 11:01	1.0	7	
060	gc02_072622-060	PEM				07/27/22 11:47	1.0	2	
061	gc02_072622-061	CCV				07/27/22 12:06	1.0	8	
062	gc02_072622-062	ICAL				07/27/22 12:24	1.0	9	
068	gc02_072622-068	SAMPLE	465721-001	Miscell.	293708	07/27/22 14:12	1.0	10	
069	gc02_072622-069	SAMPLE	465721-002	Miscell.	293708	07/27/22 14:29	1.0	10	
070	gc02_072622-070	SAMPLE	465846-002	Soil	293708	07/27/22 14:47	2.0	10	
071	gc02_072622-071	SAMPLE	465786-001	Miscell.	293708	07/27/22 15:05	1.0	10	
072	gc02_072622-072	SAMPLE	465786-002	Miscell.	293708	07/27/22 15:23	1.0	10	
073	gc02_072622-073	SAMPLE	465778-001	Soil	293708	07/27/22 15:41	5.0	10	
074	gc02_072622-074	SAMPLE	465778-001	Soil	293708	07/27/22 15:59	2.0	10	
075	gc02_072622-075	SAMPLE	465816-002	Soil	293708	07/27/22 16:17	5.0	10	
076	gc02_072622-076	SAMPLE	465835-001	Soil	293708	07/27/22 16:35	2.0	10	
077	gc02_072622-077	BLANK	QC1002660	Wipe	293716	07/27/22 16:52	1.0	10	
078	gc02_072622-078	BS	QC1002661	Wipe	293716	07/27/22 17:10	1.0	10	
079	gc02_072622-079	BLANK	QC1002630	Soil	293708	07/27/22 17:28	1.0	10	
080	gc02_072622-080	BLANK	QC1002630	Soil	293708	07/27/22 17:46	1.0	10	
081	gc02_072622-081	BSD	QC1002662	Wipe	293716	07/27/22 18:04	1.0	10	
082	gc02_072622-082	SAMPLE	465921-017	Wipe	293716	07/27/22 18:22	1.0	10	
083	gc02_072622-083	SAMPLE	465921-020	Wipe	293716	07/27/22 18:40	1.0	10	
084	gc02_072622-084	SAMPLE	465921-022	Wipe	293716	07/27/22 18:58	1.0	10	
085	gc02_072622-085	SAMPLE	465921-024	Wipe	293716	07/27/22 19:15	1.0	10	
086	gc02_072622-086	SAMPLE	465921-025	Wipe	293716	07/27/22 19:33	1.0	10	
087	gc02_072622-087	SAMPLE	465924-001	Wipe	293716	07/27/22 19:51	1.0	10	
088	gc02_072622-088	SAMPLE	465924-003	Wipe	293716	07/27/22 20:09	1.0	10	
089	gc02_072622-089	SAMPLE	465944-001	Wipe	293716	07/27/22 20:27	1.0	10	
090	gc02_072622-090	SAMPLE	465944-003	Wipe	293716	07/27/22 20:45	1.0	10	
091	gc02_072622-091	SAMPLE	465944-004	Wipe	293716	07/27/22 21:02	1.0	10	
092	gc02_072622-092	SAMPLE	465944-006	Wipe	293716	07/27/22 21:20	1.0	10	
093	gc02_072622-093	SAMPLE	465944-008	Wipe	293716	07/27/22 21:38	1.0	10	

Enthalpy Sequence Summary for Sequence 212298819

Instrument: SVOA-GC02 Begun: 07/26/22 12:19
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
094	gc02_072622-094	SAMPLE	465944-010	Wipe	293716	07/27/22 21:56	1.0	10	
095	gc02_072622-095	SAMPLE	465944-012	Wipe	293716	07/27/22 22:13	1.0	10	
096	gc02_072622-096	SAMPLE	465944-014	Wipe	293716	07/27/22 22:31	1.0	10	
097	gc02_072622-097	SAMPLE	465944-016	Wipe	293716	07/27/22 22:49	1.0	10	
100	gc02_072622-100	CCV				07/27/22 23:42	1.0	1	
113	gc02_072622-113	SAMPLE	465944-019	Wipe	293716	07/28/22 03:33	1.0	10	
114	gc02_072622-114	SAMPLE	466048-001	Soil	293708	07/28/22 03:51	1.0	10	
115	gc02_072622-115	SAMPLE	466048-005	Soil	293708	07/28/22 04:09	1.0	10	
116	gc02_072622-116	SAMPLE	466048-010	Soil	293708	07/28/22 04:27	1.0	10	
117	gc02_072622-117	SAMPLE	466048-016	Soil	293708	07/28/22 04:45	1.0	10	
118	gc02_072622-118	SAMPLE	466048-019	Soil	293708	07/28/22 05:02	1.0	10	
119	gc02_072622-119	SAMPLE	466048-022	Soil	293708	07/28/22 05:20	1.0	10	
120	gc02_072622-120	PEM				07/28/22 05:38	1.0	2	
121	gc02_072622-121	CCV				07/28/22 05:56	1.0	8	1:MTXYCL=250
122	gc02_072622-122	MSS	466115-001	Soil	293745	07/28/22 06:13	1.0	10	
123	gc02_072622-123	BLANK	QC1002760	Miscell.	293745	07/28/22 06:31	1.0	10	
124	gc02_072622-124	LCS	QC1002764	Miscell.	293745	07/28/22 06:49	1.0	10	
125	gc02_072622-125	MS	QC1002765	Soil	293745	07/28/22 07:07	1.0	10	
126	gc02_072622-126	MSD	QC1002766	Soil	293745	07/28/22 07:24	1.0	10	
127	gc02_072622-127	SAMPLE	465863-001	Miscell.	293745	07/28/22 07:42	1.0	10	
128	gc02_072622-128	SAMPLE	465863-002	Miscell.	293745	07/28/22 08:00	1.0	10	
129	gc02_072622-129	SAMPLE	465913-001	Miscell.	293745	07/28/22 08:18	1.0	10	
130	gc02_072622-130	SAMPLE	465913-002	Miscell.	293745	07/28/22 08:35	1.0	10	
131	gc02_072622-131	SAMPLE	466083-002	Soil	293745	07/28/22 08:53	2.0	10	
132	gc02_072622-132	SAMPLE	466108-001	Miscell.	293745	07/28/22 09:11	1.0	10	
133	gc02_072622-133	SAMPLE	466108-002	Miscell.	293745	07/28/22 09:29	1.0	10	
134	gc02_072622-134	SAMPLE	466108-003	Miscell.	293745	07/28/22 09:47	1.0	10	
135	gc02_072622-135	SAMPLE	466108-004	Miscell.	293745	07/28/22 10:04	1.0	10	
136	gc02_072622-136	SAMPLE	466108-005	Miscell.	293745	07/28/22 10:22	1.0	10	
137	gc02_072622-137	BLANK	QC1002760	Miscell.	293745	07/28/22 10:40	1.0	10	
138	gc02_072622-138	LCS	QC1002764	Miscell.	293745	07/28/22 10:58	1.0	10	

TRN 07/27/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 04 through 06.

TRN 07/28/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 33 through 138.

Standards Used:
1=S17006 2=S17018 3=S16478 4=S17010 5=S17142 6=S17023 7=S16736 8=S17019 9=S17011 10=S16725

Instrument: SVOA-GC02 Begun: 08/10/22 14:30
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc02_081022-002	PEM				08/10/22 14:30	1.0	1	
004	gc02_081022-004	CCV				08/10/22 14:53	1.0	2	
010	gc02_081022-010	CCV				08/10/22 16:40	1.0	3	
015	gc02_081022-015	BLANK	QC1005786	Wipe	294760	08/10/22 18:10	1.0	4	
016	gc02_081022-016	BS	QC1005787	Wipe	294760	08/10/22 18:28	1.0	4	
017	gc02_081022-017	BSD	QC1005788	Wipe	294760	08/10/22 18:46	1.0	4	
018	gc02_081022-018	SAMPLE	467089-001	Wipe	294760	08/10/22 19:04	1.0	4	
019	gc02_081022-019	SAMPLE	467089-003	Wipe	294760	08/10/22 19:21	1.0	4	
020	gc02_081022-020	SAMPLE	467089-005	Wipe	294760	08/10/22 19:39	1.0	4	
021	gc02_081022-021	SAMPLE	467089-007	Wipe	294760	08/10/22 19:57	1.0	4	
022	gc02_081022-022	SAMPLE	467089-009	Wipe	294760	08/10/22 20:15	1.0	4	
023	gc02_081022-023	BLANK	QC1005986	Soil	294821	08/10/22 20:33	1.0	4	
024	gc02_081022-024	LCS	QC1005987	Soil	294821	08/10/22 20:51	1.0	4	
025	gc02_081022-025	MS	QC1005988	Soil	294821	08/10/22 21:08	1.0	4	1:GCHLORDANE=1100
026	gc02_081022-026	MSD	QC1005989	Soil	294821	08/10/22 21:26	1.0	4	
027	gc02_081022-027	LCS	QC1005990	Soil	294821	08/10/22 21:44	1.0	4	
028	gc02_081022-028	MS	QC1005991	Soil	294821	08/10/22 22:02	1.0	4	
029	gc02_081022-029	MSD	QC1005992	Soil	294821	08/10/22 22:20	1.0	4	
030	gc02_081022-030	BLANK	QC1005986	Soil	294821	08/10/22 22:37	1.0	4	
031	gc02_081022-031	LCS	QC1005990	Soil	294821	08/10/22 22:55	1.0	4	
032	gc02_081022-032	MSS	466877-001	Soil	294821	08/10/22 23:13	1.0	4	3:PCB1016#5=240000
033	gc02_081022-033	SAMPLE	466991-001	Miscell.	294821	08/10/22 23:31	5.0	4	2:PCB1016#2=2400
034	gc02_081022-034	SAMPLE	466991-002	Miscell.	294821	08/10/22 23:48	5.0	4	
035	gc02_081022-035	SAMPLE	466991-003	Miscell.	294821	08/11/22 00:06	5.0	4	
037	gc02_081022-037	SAMPLE	467095-001	Wipe	294760	08/11/22 00:42	1.0	4	
038	gc02_081022-038	SAMPLE	467095-003	Wipe	294760	08/11/22 01:00	1.0	4	

Enthalpy Sequence Summary for Sequence 212320550

Instrument: SVOA-GC02 Begun: 08/10/22 14:30
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
039	gc02_081022-039	SAMPLE	467095-005	Wipe	294760	08/11/22 01:17	1.0	4	
040	gc02_081022-040	SAMPLE	467095-006	Wipe	294760	08/11/22 01:35	1.0	4	
041	gc02_081022-041	SAMPLE	467095-008	Wipe	294760	08/11/22 01:53	1.0	4	
042	gc02_081022-042	SAMPLE	467095-009	Wipe	294760	08/11/22 02:11	1.0	4	
043	gc02_081022-043	SAMPLE	467095-011	Wipe	294760	08/11/22 02:28	1.0	4	
044	gc02_081022-044	SAMPLE	467095-013	Wipe	294760	08/11/22 02:46	1.0	4	

TRN 08/12/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 44.

Standards Used:
1=S17018 2=S17019 3=S17006 4=S16725

SAMPLE PREPARATION SUMMARY

Batch # : 294760
Started By : EPL
Method : 3572M
Spike #1 ID : S17171
Prep Date : 10-AUG-2022 08:13
Spike #2 ID : S17022
Analysis : 8080
Finished By : EPL
Units : dm2

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
467089-001		Wipe	1	20	1	20.0		1				PCB	
467089-003		Wipe	1	20	1	20.0		1				PCB	
467089-005		Wipe	1	20	1	20.0		1				PCB	
467089-007		Wipe	1	20	1	20.0		1				PCB	
467089-009		Wipe	1	20	1	20.0		1				PCB	
467095-001		Wipe	1	20	1	20.0		1				PCB	
467095-003		Wipe	1	20	1	20.0		1				PCB	
467095-005		Wipe	1	20	1	20.0		1				PCB	
467095-006		Wipe	1	20	1	20.0		1				PCB	
467095-008		Wipe	1	20	1	20.0		1				PCB	
467095-009		Wipe	1	20	1	20.0		1				PCB	
467095-011		Wipe	1	20	1	20.0		1				PCB	
467095-013		Wipe	1	20	1	20.0		1				PCB	
467181-001		Wipe	1	20	1	20.0		1				PCB	Prepped 10-AUG-2022 13:42
467181-003		Wipe	1	20	1	20.0		1				PCB	Prepped 10-AUG-2022 13:42
467181-005		Wipe	1	20	1	20.0		1				PCB	Prepped 10-AUG-2022 13:42
467181-008		Wipe	1	20	1	20.0		1				PCB	Prepped 10-AUG-2022 13:42
467181-010		Wipe	1	20	1	20.0		1				PCB	Prepped 10-AUG-2022 13:42
467181-013		Wipe	1	20	1	20.0		1				PCB	Prepped 10-AUG-2022 13:42
467181-015		Wipe	1	20	1	20.0		1				PCB	Prepped 10-AUG-2022 13:42
QC1005786	BLANK	Wipe	1	10	1	10.0		.5				8080	
QC1005787	BS	Wipe	1	10	1	10.0		.5	.5			8080	
QC1005788	BSD	Wipe	1	10	1	10.0		.5	.5			8080	

TRN 08/12/22 : BS/D verify the batch

Analyst: TRN Date: 08/12/22 Reviewer: SLL Date: 08/16/22

8081/8082 Prep Log

Date/Time: 8/10/22 8:13 Initials: _____

3572M 1-6-23 MAG

608 QC Batch#: _____

8081 QC Batch #: _____

Matrix: WIPE Prep Method: ~~3580~~ Balance ID: N/A

8082 QC Batch #: 294760

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Witness ID	Comment
Blank		1 cm²	N/A	SH3	N/A	10.0			500 µL SURROGATE
LCS$_2$		↓	↓	↓	↓	↓			↓
LCSD$_2$									
467089-001	A					20.0			
-003	A								
-005	A								
-007	A								
-009	A								
467095-001	A								
-003	A								
-005	A								
-006	A								
-008	A								
-009	A								
-011	A								
-013	A	↓	↓	↓	↓	↓			

Methylene Chloride Lot: ~~22B1462010~~ EL 8/10 DCM NOT USED

Exchange Solvent (Hexane) Lot ID: 222771

Acetone-Hexane Mix ID: N/A

Sodium Sulfate Lot: N/A

Baked Sand Lot: N/A

Surrogate ID: S17171 Volume: 1000

Pest LCS Spike ID: _____ Volume: _____

PCB LCS Spike ID: S17022 Volume: 500

Pest MS/MSD Spike ID: _____ Volume: _____

PCB MS/MSD Spike ID: _____ Volume: _____

8081/8082 Prep Log

Date/Time: 8/10/22 8:13 Initials: _____

3572M 1-6-23 MAG

608 QC Batch#: _____

8081 QC Batch #: _____

Matrix: WIPE Prep Method: ~~3580~~ Balance ID: N/A

8082 QC Batch #: 294760

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Witness ID	Comment
Blank		1 dm²	N/A	SH3	N/A	10.0			500 µL SURROGATE
LCS₂		↓	↓	↓	↓	↓			↓
LCSD₂						↓			
467089-001	A					20.0			
-003	A					↓			
-005	A								
-007	A								
-009	A								
467095-001	A								
-003	A								
-005	A								
-006	A								
-008	A								
-009	A								
-011	A								
-013	A	↓	↓	↓	↓	↓			
467181-001	A						8/10 22 13:42		
-003	A						↓		
-005	A								
-008	A								
-010	A								
-013	A								
-015	A	↓	↓	↓	↓	↓	↓		

Methylene Chloride Lot: ~~228116 2010~~ EL 8/10 DCM NOT USED

Exchange Solvent (Hexane) ID: 222771

Acetone-Hexane Mix ID: N/A

Sodium Sulfate Lot: N/A

Baked Sand Lot: N/A

Surrogate ID: 517171 Volume: 1000 µL

Pest LCS Spike ID: _____ Volume: _____ µL

PCB LCS Spike ID: 517022 Volume: 500 µL

Pest MS/MSD Spike ID: _____ Volume: _____ µL

PCB MS/MSD Spike ID: _____ Volume: _____ µL

8081/8082 Prep Log

Date/Time: 8/10/22 8:13 Initials: _____

3572M 1-6-23 MAG

608 QC Batch#: _____

Matrix: WIPE Prep Method: ~~3580~~ Balance ID: N/A

8081 QC Batch #: _____

8082 QC Batch #: 294760

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Witness ID	Comment
Blank		1 dm²	N/A	SH3	N/A	10.0			500 µL SURROGATE
LCS₂		↓	↓	↓	↓	↓			↓
LCSD₂									
467089-001	A					20.0			
-003	A								
-005	A								
-007	A								
-009	A								
467095-001	A								
-003	A								
-005	A								
-006	A								
-008	A								
-009	A								
-011	A								
-013	A								
467181-001	A						8/10 DD 13:42		
-003	A								
-005	A								
-008	A								
-010	A								
-013	A								
-015	A	↓	↓	↓	↓	↓	↓		

Methylene Chloride Lot: ~~228116 2010~~ EL 8/10 DCM NOT USED

Exchange Solvent (Hexane) ID: 222771

Acetone-Hexane Mix ID: N/A

Sodium Sulfate Lot: N/A

Baked Sand Lot: N/A

Surrogate ID: 317171 Volume: 1000 µL

Pest LCS Spike ID: _____ Volume: _____ µL

PCB LCS Spike ID: 317022 Volume: 500 µL

Pest MS/MSD Spike ID: _____ Volume: _____ µL

PCB MS/MSD Spike ID: _____ Volume: _____ µL

REPORTING SUMMARY FOR 467089 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
467089-001	Aroclor-1016	SVOA-GC02	A	08/10/22 19:04
467089-001	Aroclor-1221	SVOA-GC02	A	08/10/22 19:04
467089-001	Aroclor-1232	SVOA-GC02	A	08/10/22 19:04
467089-001	Aroclor-1242	SVOA-GC02	A	08/10/22 19:04
467089-001	Aroclor-1248	SVOA-GC02	A	08/10/22 19:04
467089-001	Aroclor-1254	SVOA-GC02	A	08/10/22 19:04
467089-001	Aroclor-1260	SVOA-GC02	A	08/10/22 19:04
467089-001	Aroclor-1262	SVOA-GC02	A	08/10/22 19:04
467089-001	Aroclor-1268	SVOA-GC02	A	08/10/22 19:04
467089-001	TCMX (PCB)	SVOA-GC02	A	08/10/22 19:04
467089-001	Decachlorobiphenyl (PCB)	SVOA-GC02	A	08/10/22 19:04
467089-003	Aroclor-1016	SVOA-GC02	A	08/10/22 19:21
467089-003	Aroclor-1221	SVOA-GC02	A	08/10/22 19:21
467089-003	Aroclor-1232	SVOA-GC02	A	08/10/22 19:21
467089-003	Aroclor-1242	SVOA-GC02	A	08/10/22 19:21
467089-003	Aroclor-1248	SVOA-GC02	A	08/10/22 19:21
467089-003	Aroclor-1254	SVOA-GC02	A	08/10/22 19:21
467089-003	Aroclor-1260	SVOA-GC02	A	08/10/22 19:21
467089-003	Aroclor-1262	SVOA-GC02	A	08/10/22 19:21
467089-003	Aroclor-1268	SVOA-GC02	A	08/10/22 19:21
467089-003	TCMX (PCB)	SVOA-GC02	A	08/10/22 19:21
467089-003	Decachlorobiphenyl (PCB)	SVOA-GC02	A	08/10/22 19:21
467089-005	Aroclor-1016	SVOA-GC02	A	08/10/22 19:39
467089-005	Aroclor-1221	SVOA-GC02	A	08/10/22 19:39
467089-005	Aroclor-1232	SVOA-GC02	A	08/10/22 19:39
467089-005	Aroclor-1242	SVOA-GC02	A	08/10/22 19:39
467089-005	Aroclor-1248	SVOA-GC02	A	08/10/22 19:39
467089-005	Aroclor-1254	SVOA-GC02	A	08/10/22 19:39
467089-005	Aroclor-1260	SVOA-GC02	A	08/10/22 19:39
467089-005	Aroclor-1262	SVOA-GC02	A	08/10/22 19:39
467089-005	Aroclor-1268	SVOA-GC02	A	08/10/22 19:39
467089-005	TCMX (PCB)	SVOA-GC02	A	08/10/22 19:39
467089-005	Decachlorobiphenyl (PCB)	SVOA-GC02	A	08/10/22 19:39
467089-007	Aroclor-1016	SVOA-GC02	A	08/10/22 19:57
467089-007	Aroclor-1221	SVOA-GC02	A	08/10/22 19:57
467089-007	Aroclor-1232	SVOA-GC02	A	08/10/22 19:57
467089-007	Aroclor-1242	SVOA-GC02	A	08/10/22 19:57
467089-007	Aroclor-1248	SVOA-GC02	A	08/10/22 19:57
467089-007	Aroclor-1254	SVOA-GC02	A	08/10/22 19:57
467089-007	Aroclor-1260	SVOA-GC02	A	08/10/22 19:57
467089-007	Aroclor-1262	SVOA-GC02	A	08/10/22 19:57
467089-007	Aroclor-1268	SVOA-GC02	A	08/10/22 19:57
467089-007	TCMX (PCB)	SVOA-GC02	A	08/10/22 19:57
467089-007	Decachlorobiphenyl (PCB)	SVOA-GC02	A	08/10/22 19:57
467089-009	Aroclor-1016	SVOA-GC02	A	08/10/22 20:15
467089-009	Aroclor-1221	SVOA-GC02	A	08/10/22 20:15
467089-009	Aroclor-1232	SVOA-GC02	A	08/10/22 20:15
467089-009	Aroclor-1242	SVOA-GC02	A	08/10/22 20:15
467089-009	Aroclor-1248	SVOA-GC02	A	08/10/22 20:15
467089-009	Aroclor-1254	SVOA-GC02	A	08/10/22 20:15

REPORTING SUMMARY FOR 467089 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
467089-009	Aroclor-1260	SVOA-GC02	A	08/10/22 20:15
467089-009	Aroclor-1262	SVOA-GC02	A	08/10/22 20:15
467089-009	Aroclor-1268	SVOA-GC02	A	08/10/22 20:15
467089-009	TCMX (PCB)	SVOA-GC02	A	08/10/22 20:15
467089-009	Decachlorobiphenyl (PCB)	SVOA-GC02	A	08/10/22 20:15
QC1005786	Aroclor-1016	SVOA-GC02	A	08/10/22 18:10
QC1005786	Aroclor-1221	SVOA-GC02	A	08/10/22 18:10
QC1005786	Aroclor-1232	SVOA-GC02	A	08/10/22 18:10
QC1005786	Aroclor-1242	SVOA-GC02	A	08/10/22 18:10
QC1005786	Aroclor-1248	SVOA-GC02	A	08/10/22 18:10
QC1005786	Aroclor-1254	SVOA-GC02	A	08/10/22 18:10
QC1005786	Aroclor-1260	SVOA-GC02	A	08/10/22 18:10
QC1005786	Aroclor-1262	SVOA-GC02	A	08/10/22 18:10
QC1005786	Aroclor-1268	SVOA-GC02	A	08/10/22 18:10
QC1005786	TCMX (PCB)	SVOA-GC02	A	08/10/22 18:10
QC1005786	Decachlorobiphenyl (PCB)	SVOA-GC02	A	08/10/22 18:10
QC1005787	Aroclor-1016	SVOA-GC02	A	08/10/22 18:28
QC1005787	Aroclor-1260	SVOA-GC02	A	08/10/22 18:28
QC1005787	TCMX (PCB)	SVOA-GC02	A	08/10/22 18:28
QC1005787	Decachlorobiphenyl (PCB)	SVOA-GC02	A	08/10/22 18:28
QC1005788	Aroclor-1016	SVOA-GC02	A	08/10/22 18:46
QC1005788	Aroclor-1260	SVOA-GC02	A	08/10/22 18:46
QC1005788	TCMX (PCB)	SVOA-GC02	A	08/10/22 18:46
QC1005788	Decachlorobiphenyl (PCB)	SVOA-GC02	A	08/10/22 18:46

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC02	Lab ID:	467089-001	Client ID:	DOOR-N-0.6GW-INT-17TO18-220808-P-CB
Seqnum:	212320550018	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc02_081022-018	Batch:	294760	Time:	10-AUG-2022 19:04
Cal:	212298819002	Caldate:	27-JUL-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	74.70	~~1.5~~ FP	0.73	68%	1.0		x u
Aroclor-1016 Peak # 1	A	96.88	1.94	1.19	48%			
Aroclor-1016 Peak # 2	A	19.66	0.39	0.06	146%			
Aroclor-1016 Peak # 3	A	104.7	2.09	2.10	0%			
Aroclor-1016 Peak # 4	A	0.8547	0.02	0.18	165%			
Aroclor-1016 Peak # 5	A	151.4	3.03	0.13	183%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	56.83	~~1.1~~ FP	0.16	151%	1.0		x u
Aroclor-1260 Peak # 1	A	82.12	1.64	0.03	194%			
Aroclor-1260 Peak # 2	A	1.240	0.02	0.04	50%			
Aroclor-1260 Peak # 3	A	4.758	0.10	0.34	113%			
Aroclor-1260 Peak # 4	A	82.98	1.66	0.14	169%			
Aroclor-1260 Peak # 5	A	113.0	2.26	0.24	162%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	42.25	1.000	0.8450	85	52-186	u
Decachlorobiphenyl (PCB)	A	46.61	1.000	0.9321	93	50-150	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc02_081022-010)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4588277	4446808	-3.08
1-bromo-2-nitrobenzene (PCB)	A	80982294	70595396	-12.83

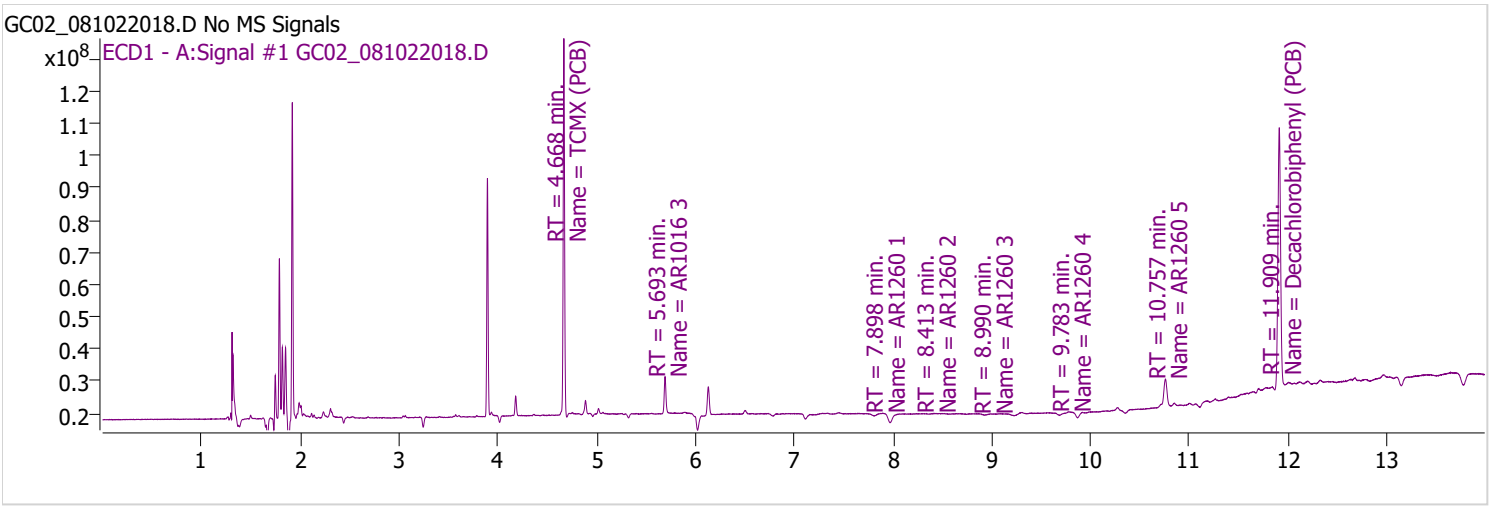
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

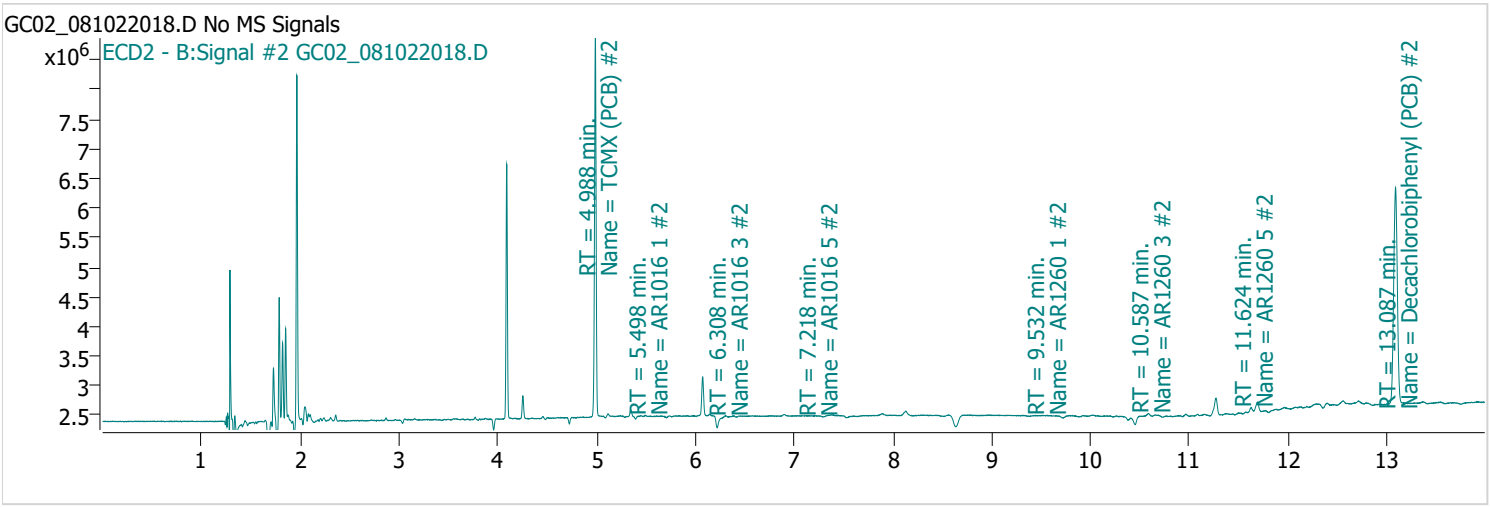
ISTD (CCV gc02_081022-010)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.09	4.09	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.90	3.90	0.00

Analyst: TRN 08/12/22 **Reviewer:** SLL 08/16/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_081022018.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	8/10/2022 7:04:05 PM
Sample Name	467089-001, 294760, 1	Instrument	SVOA-GC02
Vial	4	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_7.m	Comment	WIPE/1DM2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	081022PCB.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



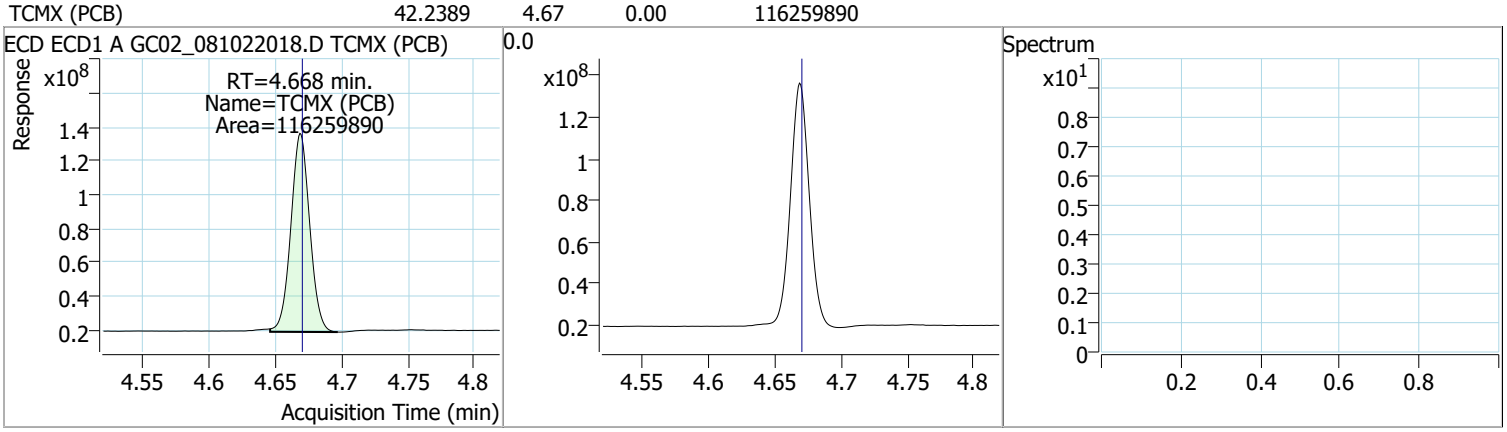


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.895	0.0	70595395.642	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.090	0.0	4446808.364	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.668	0.0	116259890.009	42.2389	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 211.19%		*	
S TCMX (PCB) #2	4.988	0.0	7401619.443	36.4277	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 182.14%		*	
S Decachlorobiphenyl (PCB)	11.909	0.0	153951456.209	46.5921	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 232.96%		*	
S Decachlorobiphenyl (PCB) #2	13.087	0.0	9447789.582	41.5916	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 207.96%		*	
Target Compounds							QValue

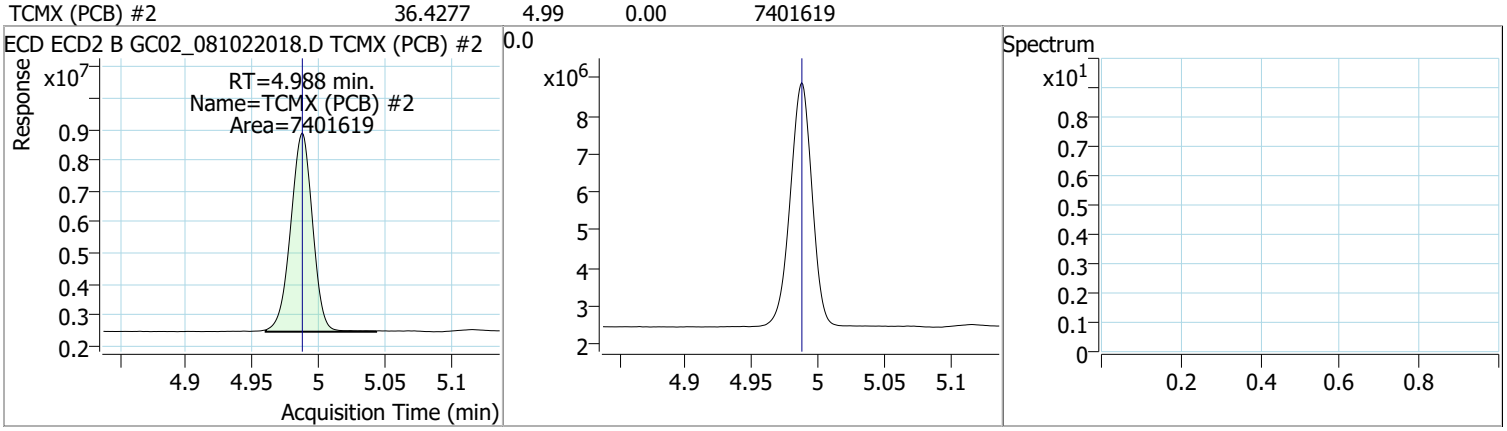
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.018	0.0	4488358.990	96.8552	ng/ml	100
T AR1016 2	5.292	0.0	1758788.068	19.6590	ng/ml	100
T AR1016 1 #2	5.498	0.0	248599.576	59.3339	ng/ml	100
T AR1016 3	5.693	0.0	14706630.250	104.6675	ng/ml	100
T AR1016 2 #2	5.843	0.0	26481.925	3.0820	ng/ml	100
T AR1016 4	5.862	0.0	70245.436	0.8545	ng/ml	100
T AR1016 5	6.131	0.0	10902857.566	151.3969	ng/ml	100
T AR1016 3 #2	6.308	0.0	1118294.762	105.0413	ng/ml	100
T AR1016 4 #2	6.458	0.0	66190.246	8.7859	ng/ml	100
T AR1016 5 #2	7.218	0.0	41382.286	6.7482	ng/ml	100
T AR1260 1	7.898	0.0	11878769.753	82.0982	ng/ml	100
T AR1260 2	8.413	0.0	278088.599	1.2400	ng/ml	100
T AR1260 3	8.990	0.0	1257664.968	4.7568	ng/ml	100
T AR1260 1 #2	9.532	0.0	16234.098	1.2871	ng/ml	100
T AR1260 4	9.783	0.0	9927926.442	82.9548	ng/ml	100
T AR1260 2 #2	9.927	0.0	28434.756	2.0603	ng/ml	100
T AR1260 3 #2	10.587	0.0	313677.274	17.1869	ng/ml	100
T AR1260 5	10.757	0.0	19668987.605	112.9986	ng/ml	100
T AR1260 4 #2	10.962	0.0	71464.745	7.0156	ng/ml	100
T AR1260 5 #2	11.624	0.0	173084.487	11.8396	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

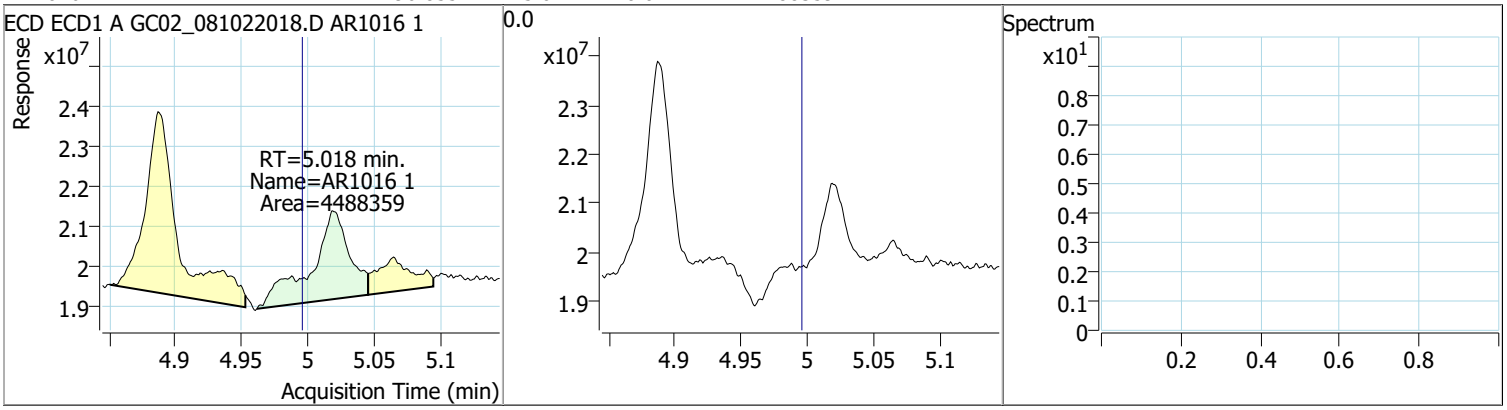
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	42.2389	4.67	0.00	116259890				



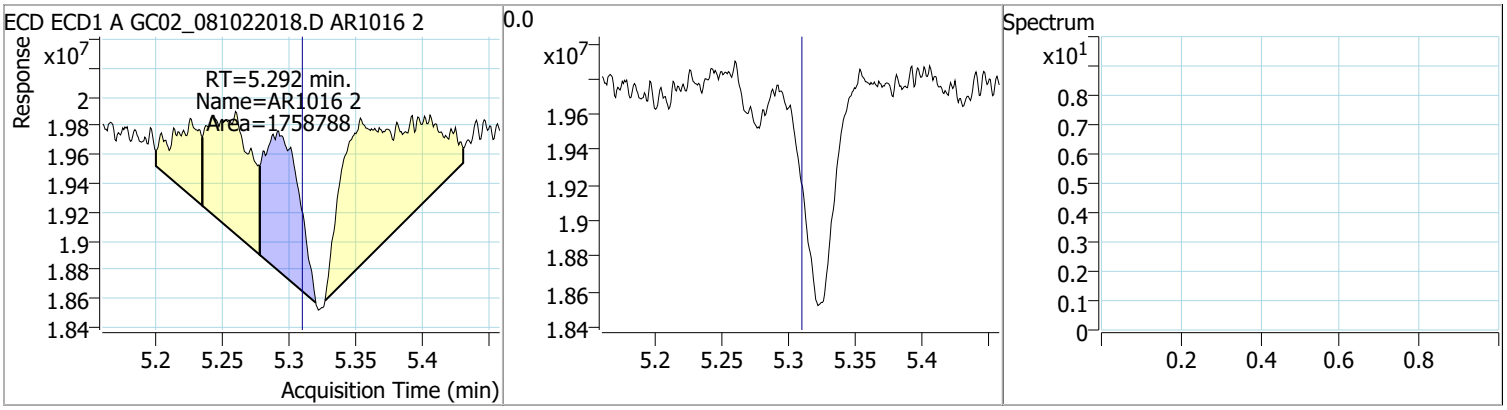
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.4277	4.99	0.00	7401619				



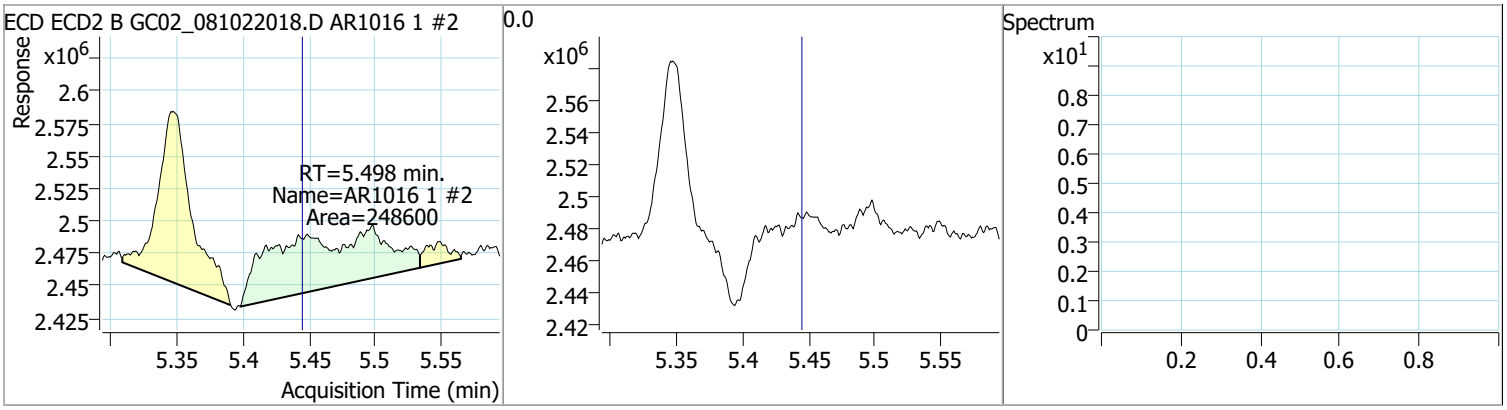
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	96.8552	5.02	0.02	4488359				



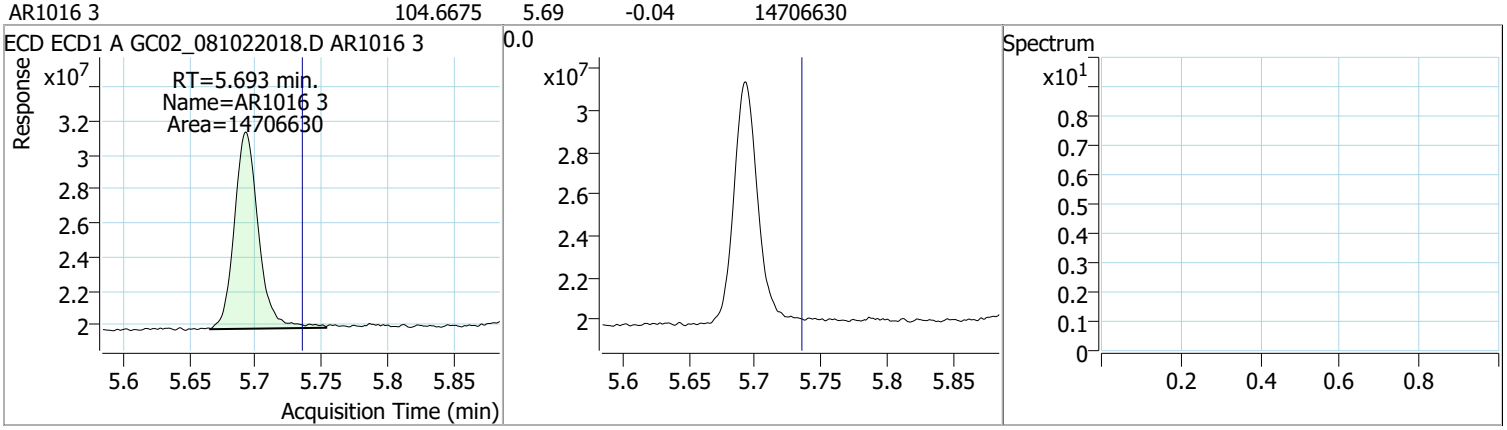
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	19.6590	5.29	-0.02	1758788				



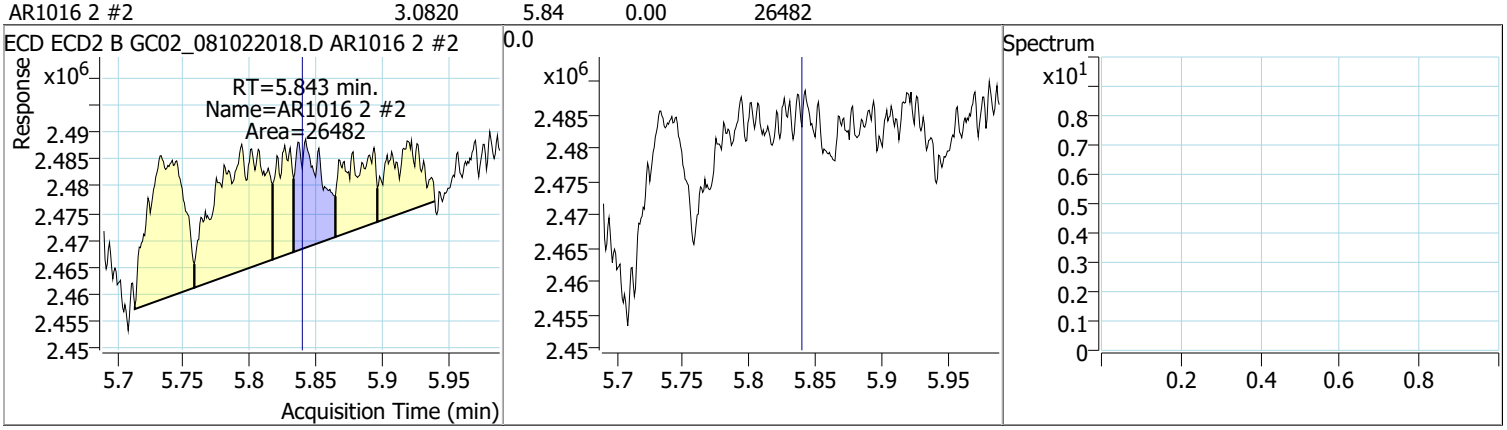
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	59.3339	5.50	0.05	248600				



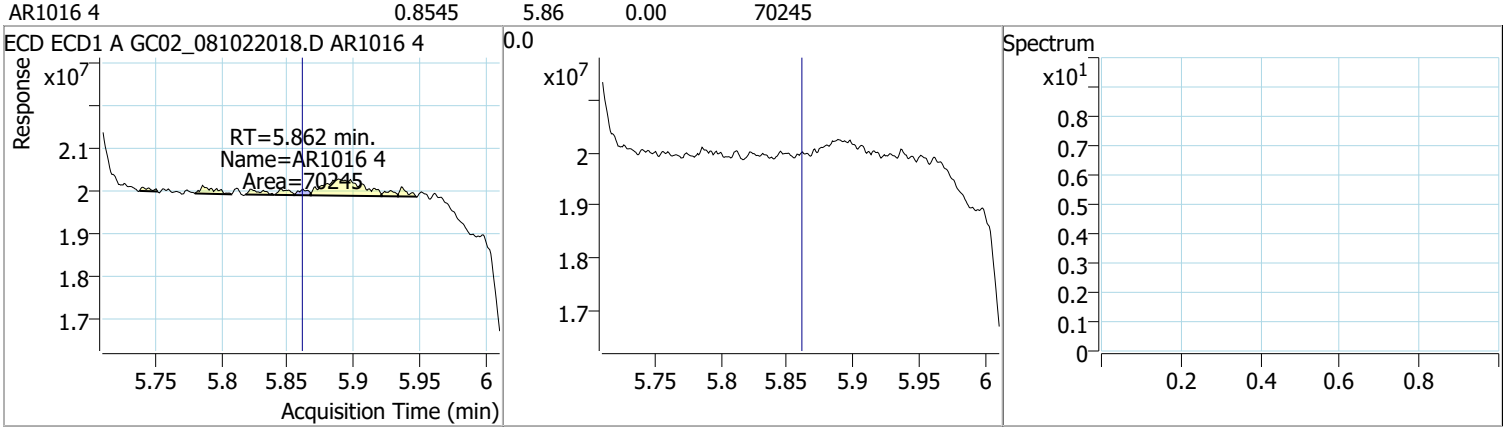
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	104.6675	5.69	-0.04	14706630				



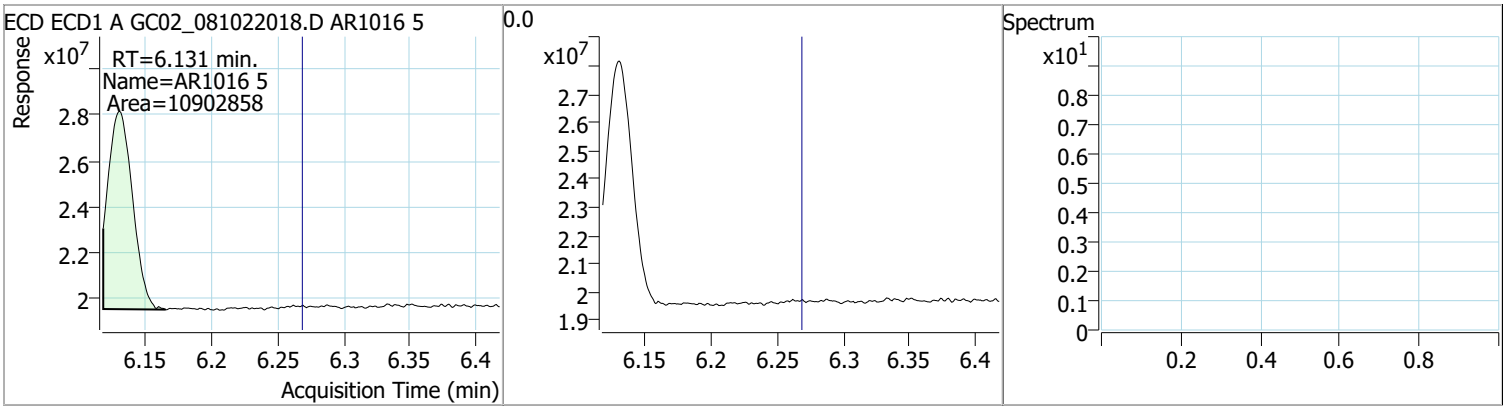
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	3.0820	5.84	0.00	26482				



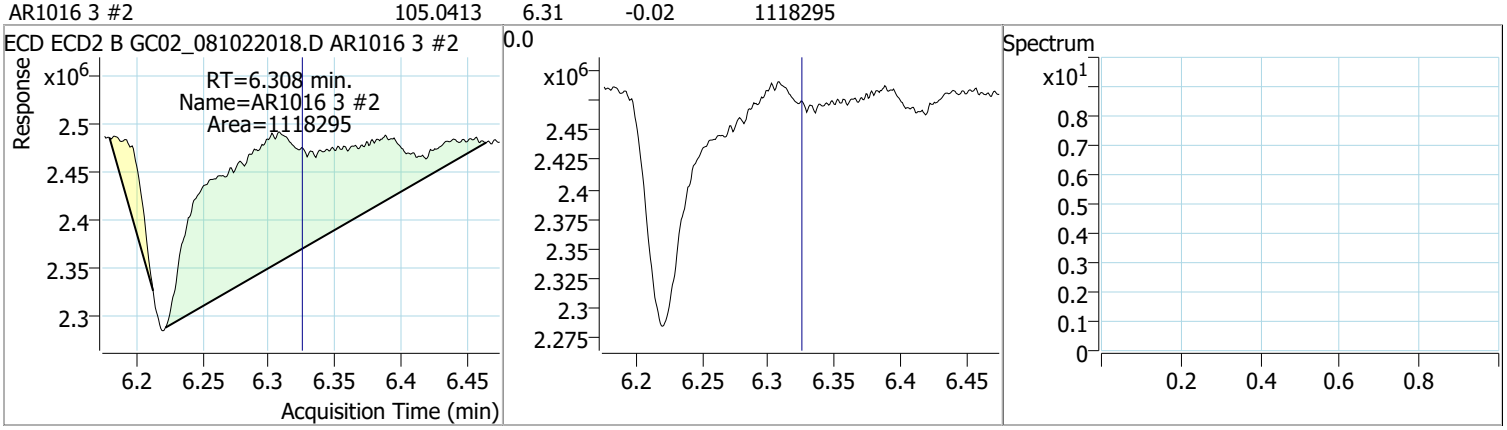
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.8545	5.86	0.00	70245				



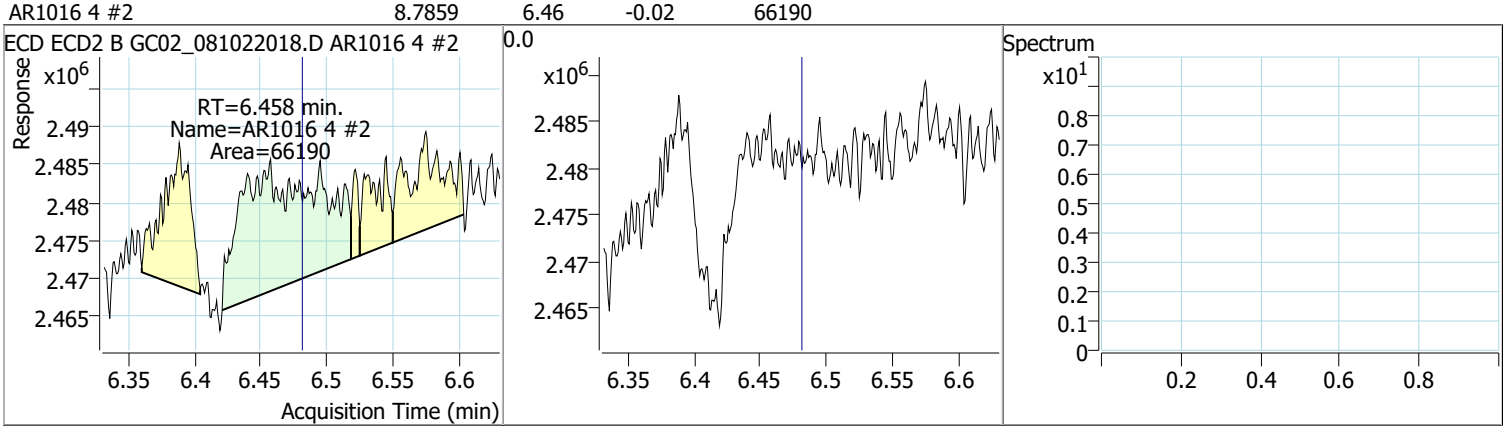
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	151.3969	6.13	-0.14	10902858				



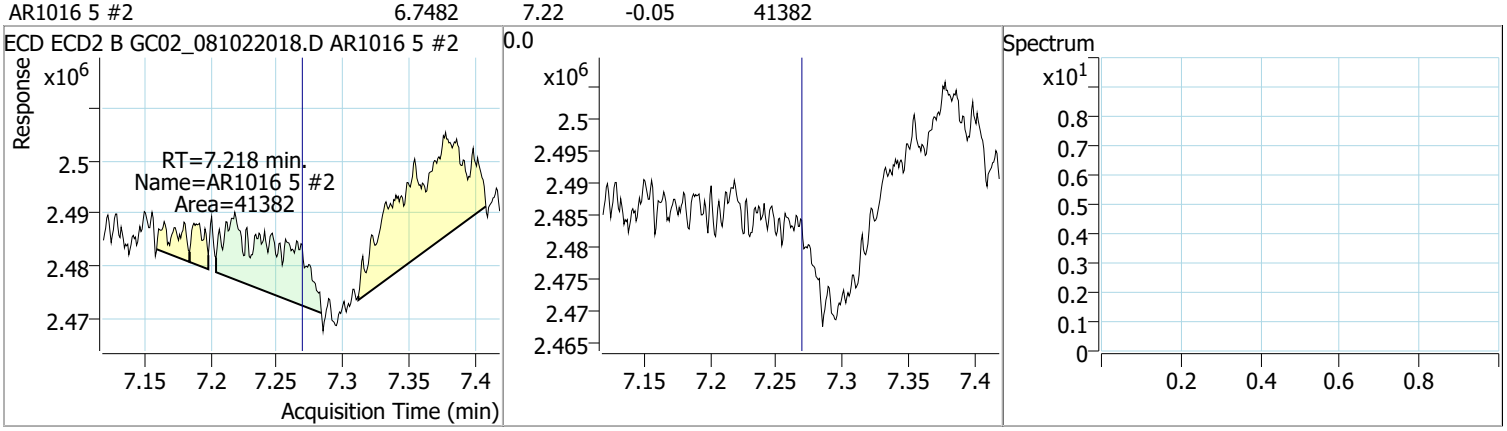
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	105.0413	6.31	-0.02	1118295				



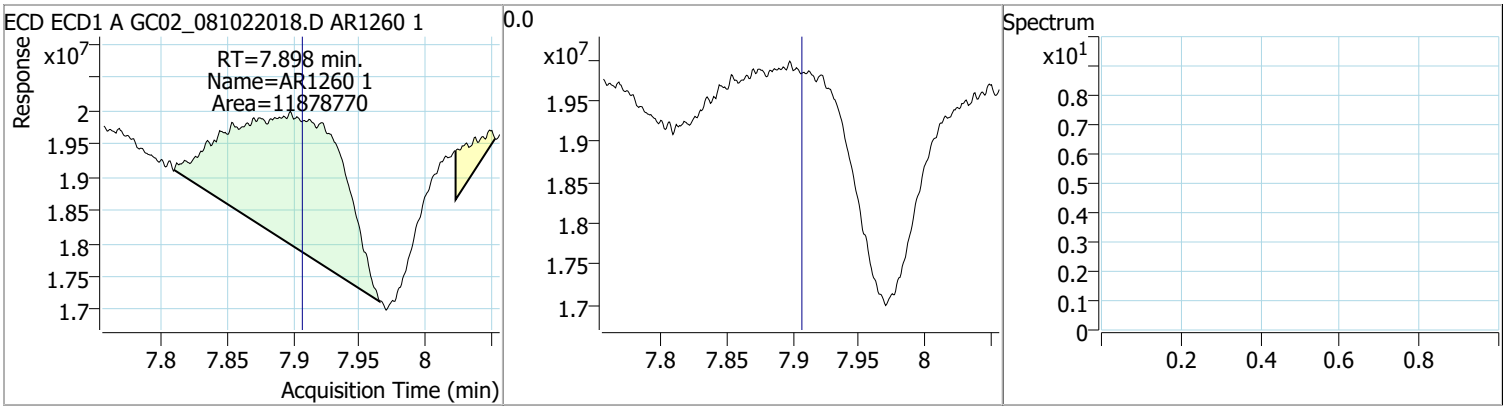
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	8.7859	6.46	-0.02	66190				



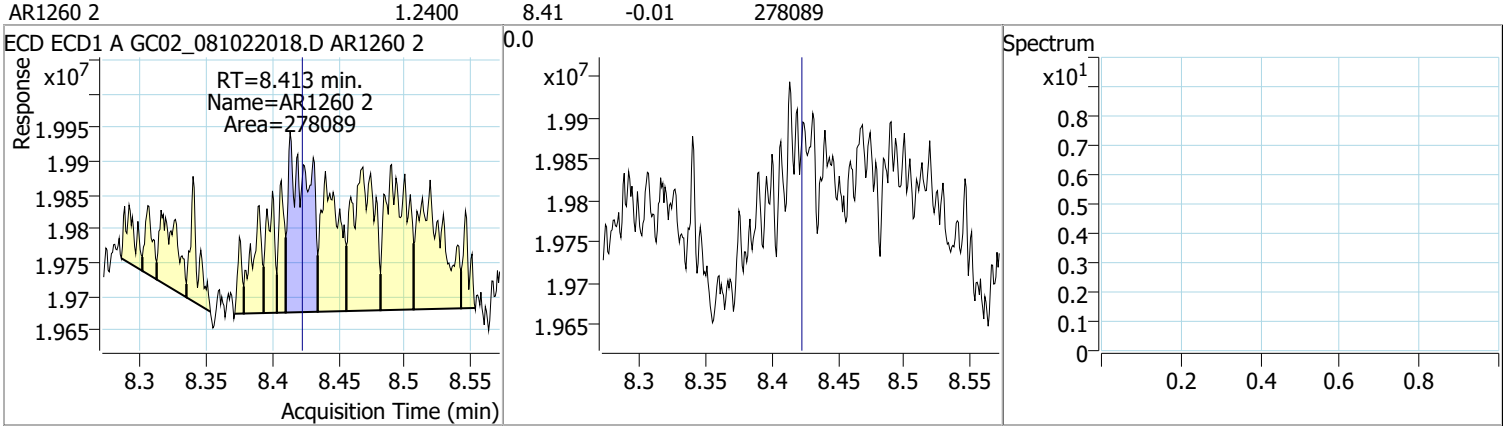
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	6.7482	7.22	-0.05	41382				



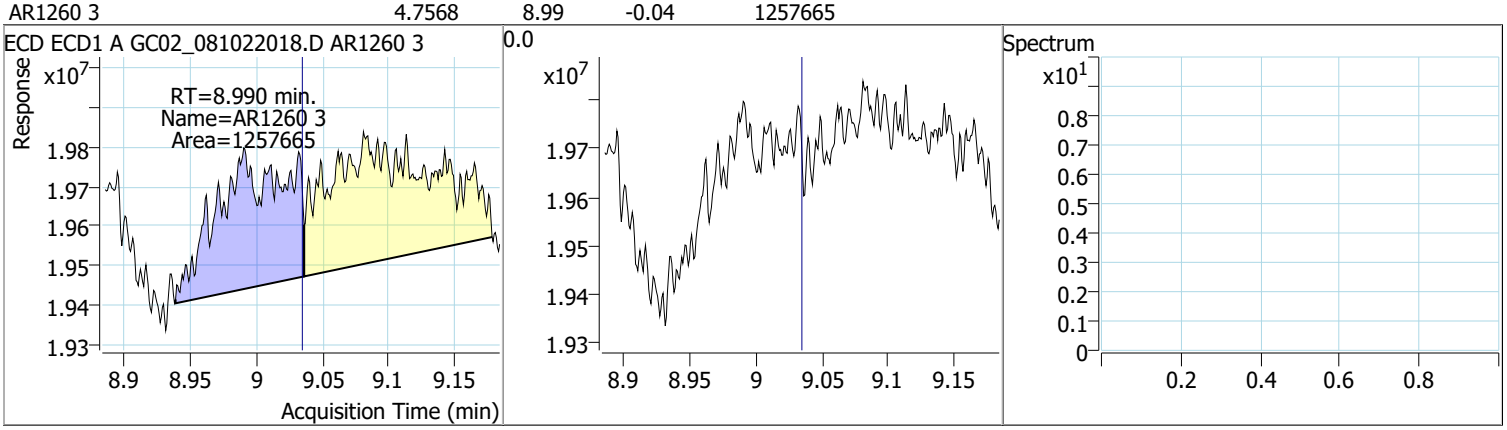
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	82.0982	7.90	-0.01	11878770				



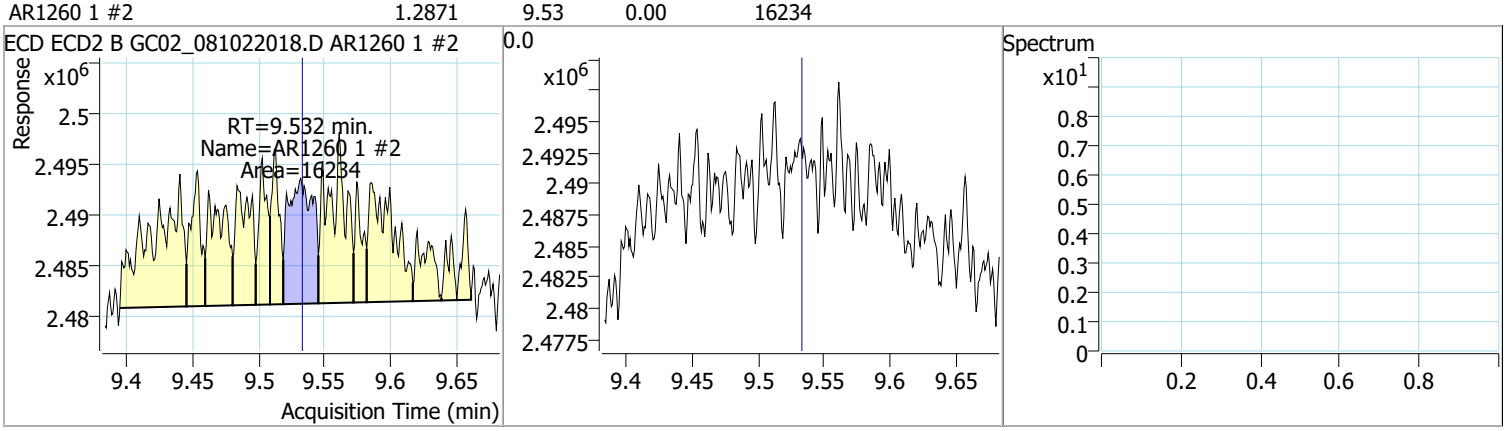
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.2400	8.41	-0.01	278089				



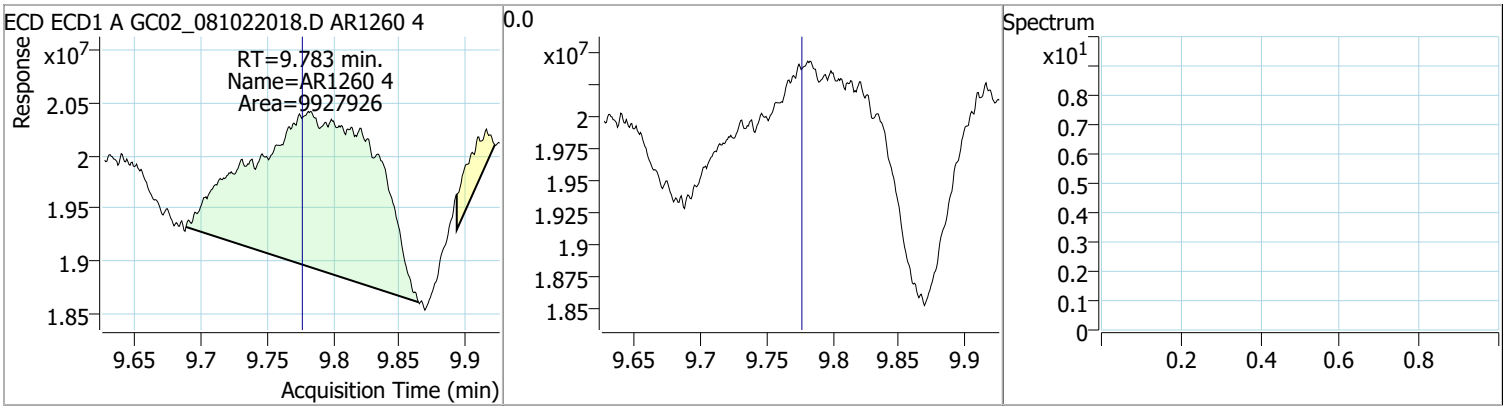
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	4.7568	8.99	-0.04	1257665				



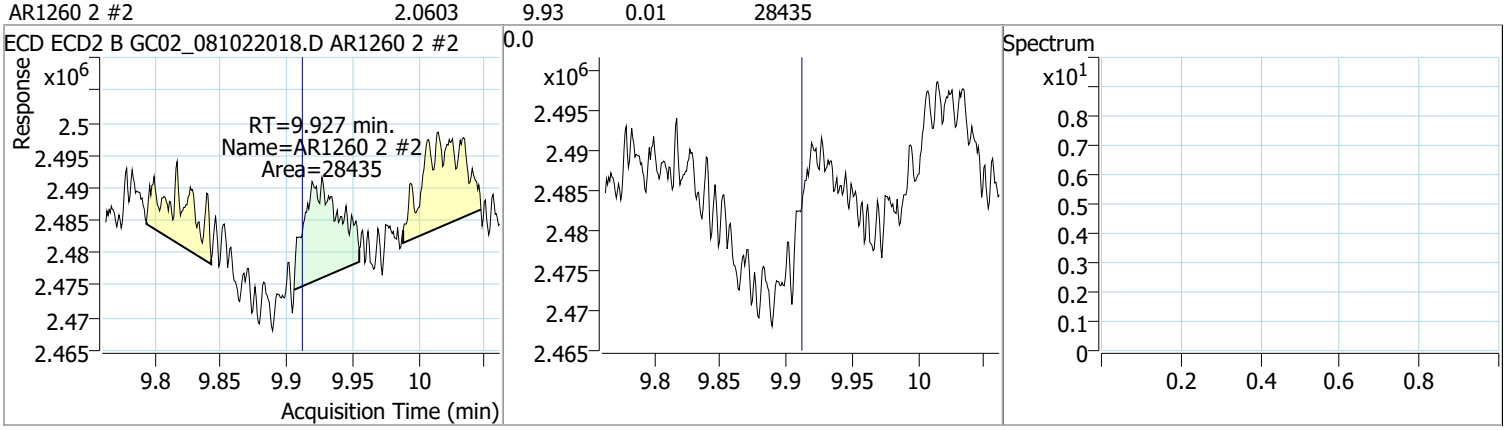
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1.2871	9.53	0.00	16234				



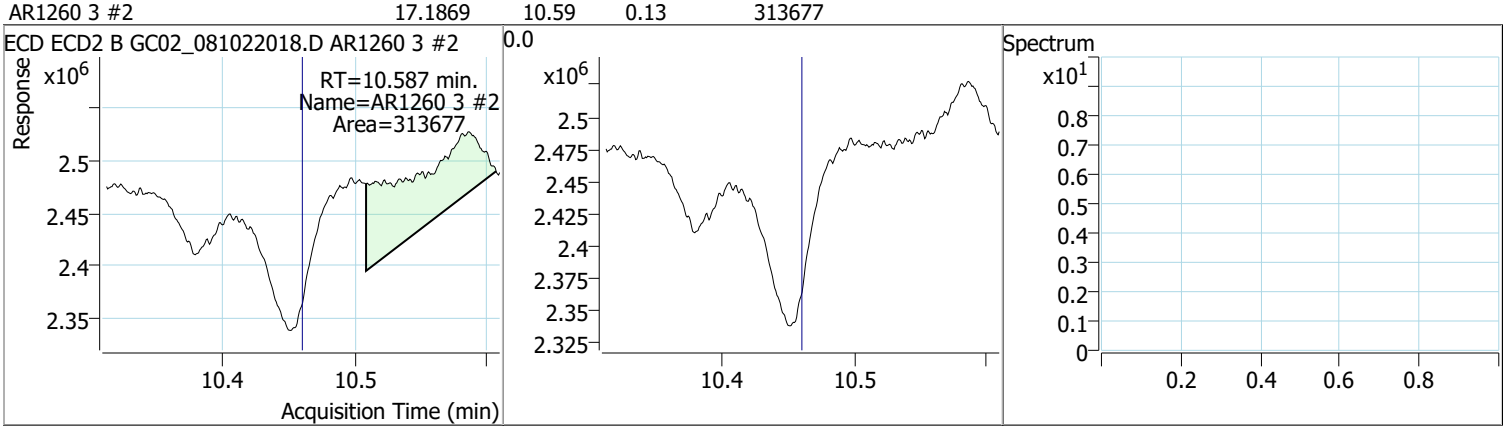
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	82.9548	9.78	0.01	9927926				



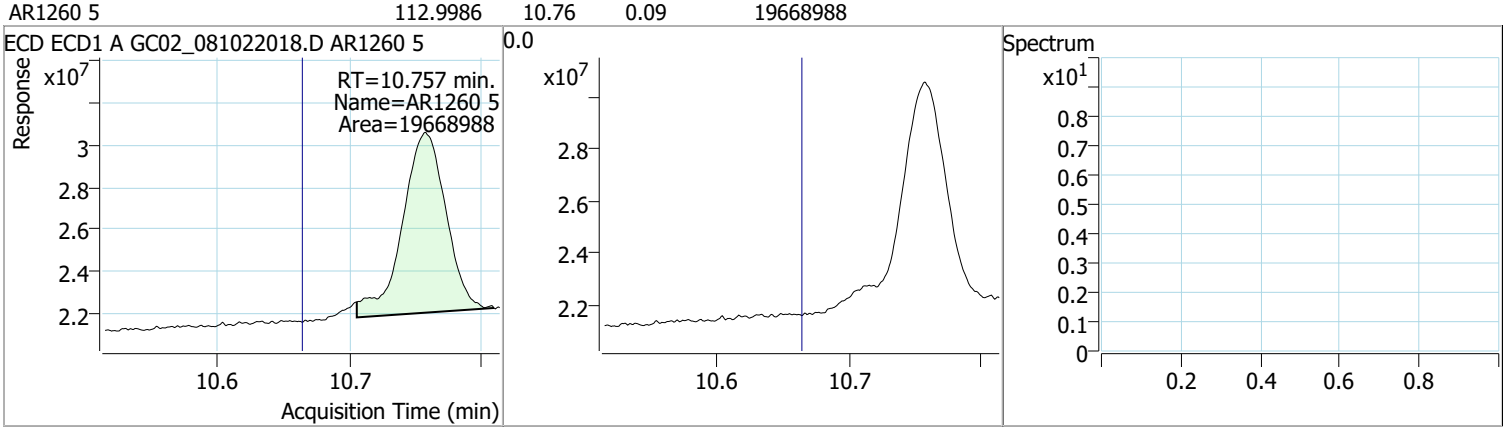
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	2.0603	9.93	0.01	28435				



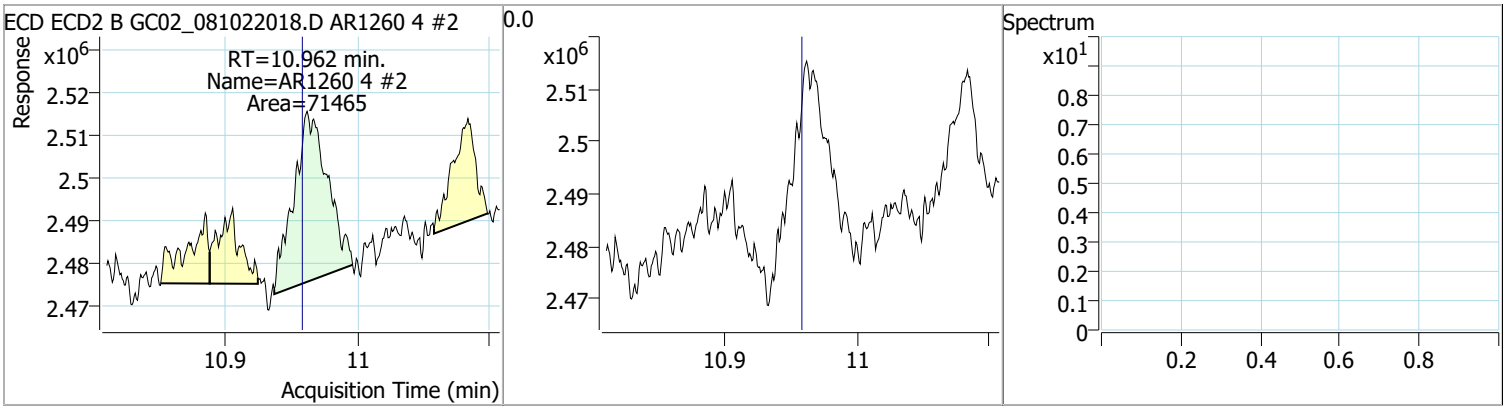
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	17.1869	10.59	0.13	313677				



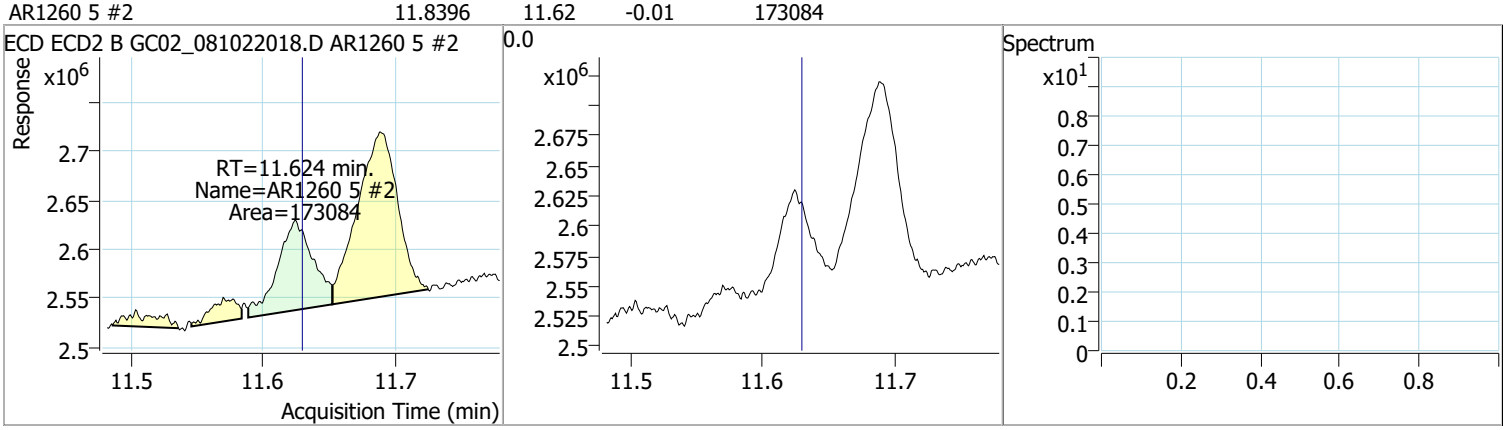
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	112.9986	10.76	0.09	19668988				



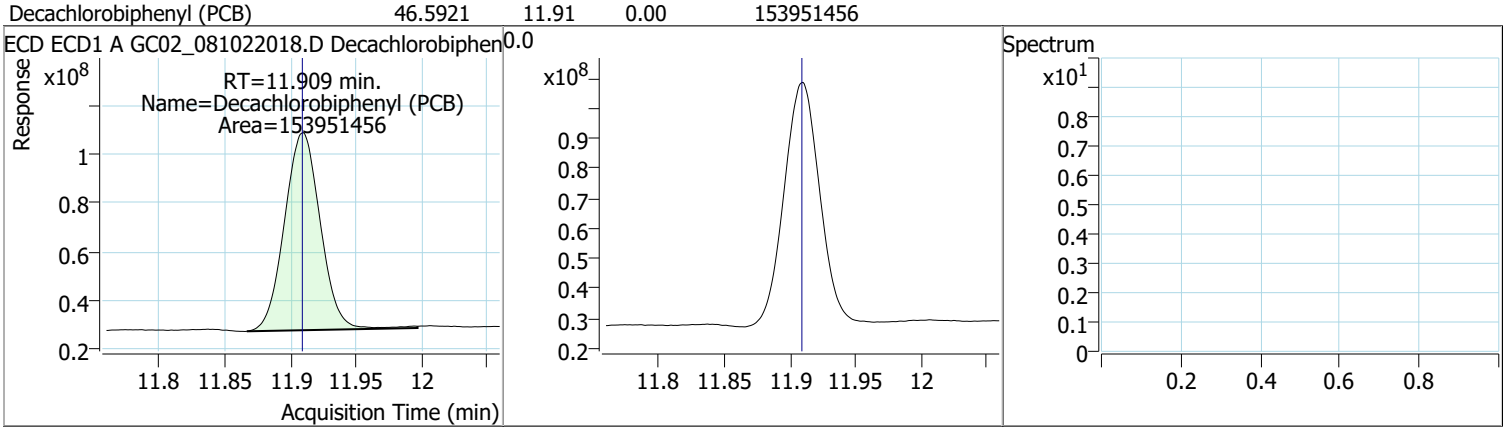
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	7.0156	10.96	0.00	71465				



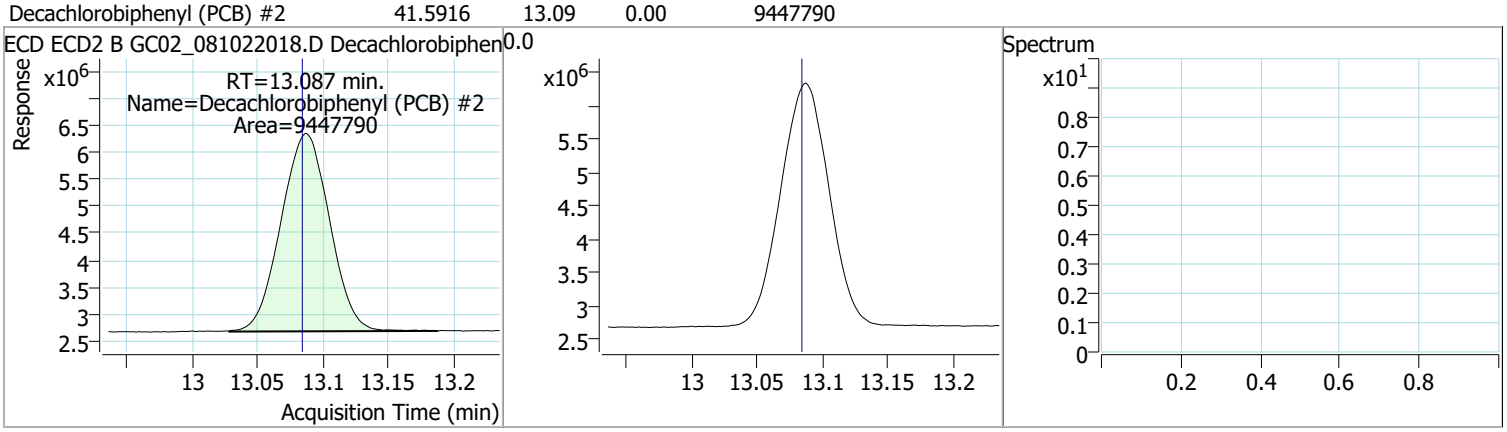
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	11.8396	11.62	-0.01	173084				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	46.5921	11.91	0.00	153951456				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	41.5916	13.09	0.00	9447790				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC02	Lab ID:	467089-003	Client ID:	DOOR-N-0.8GW-PS-17-220808-P-LA
Seqnum:	212320550019	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc02_081022-019	Batch:	294760	Time:	10-AUG-2022 19:21
Cal:	212298819002	Caldate:	27-JUL-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	41.49	ND	1.2	36%	1.0		u
Aroclor-1016 Peak # 1	A	117.9	2.36	1.80	27%			
Aroclor-1016 Peak # 2	A	3.693	0.07	0.13	52%			
Aroclor-1016 Peak # 3	A	69.60	1.39	3.91	95%			
Aroclor-1016 Peak # 4	A	7.071	0.14	0.12	19%			
Aroclor-1016 Peak # 5	A	9.223	0.18	0.02	164%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	49.43	ND	0.13	154%	1.0		u
Aroclor-1260 Peak # 1	A	136.0	2.72	0.09	187%			
Aroclor-1260 Peak # 2	A	3.508	0.07	0.05	35%			
Aroclor-1260 Peak # 3	A	10.21	0.20	0.17	17%			
Aroclor-1260 Peak # 4	A	89.18	1.78	0.17	166%			
Aroclor-1260 Peak # 5	A	8.228	0.16	0.17	2%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	46.66	1.000	0.9331	93	52-186	u
Decachlorobiphenyl (PCB)	A	47.12	1.000	0.9424	94	50-150	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc02_081022-010)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4588277	4706700	2.58
1-bromo-2-nitrobenzene (PCB)	A	80982294	71105710	-12.20

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

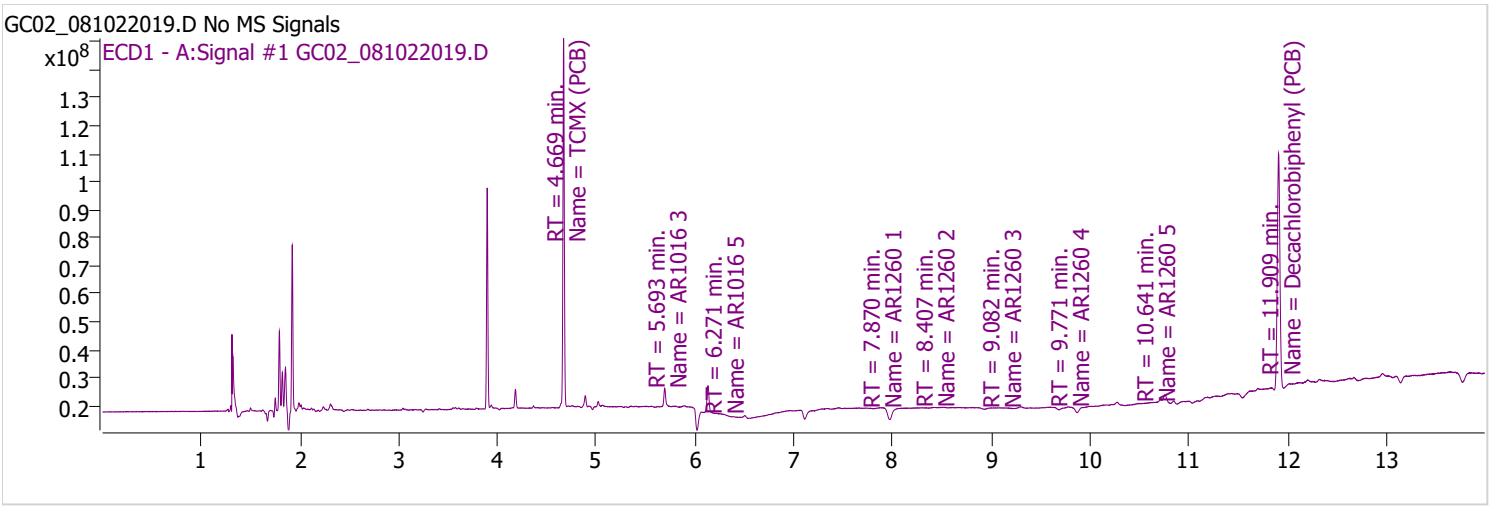
ISTD (CCV gc02_081022-010)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.09	4.09	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.90	3.90	0.00

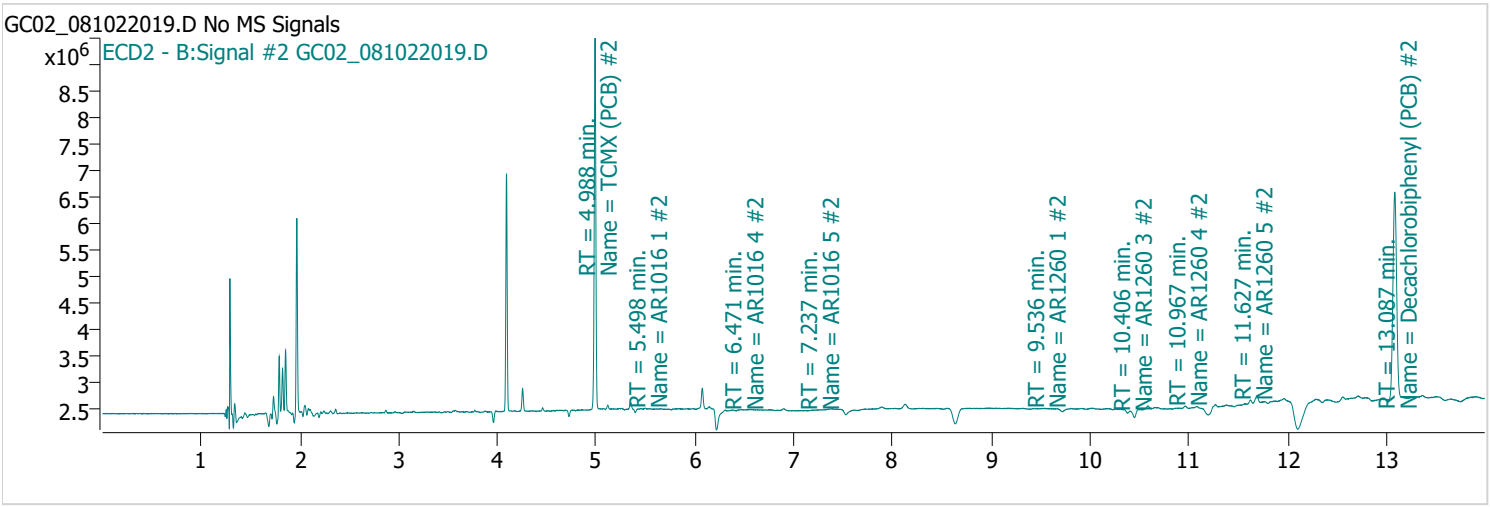
Analyst: TRN 08/12/22

Reviewer: SLL 08/16/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_081022019.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	8/10/2022 7:21:55 PM
Sample Name	467089-003, 294760, 1	Instrument	SVOA-GC02
Vial	5	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_7.m	Comment	WIPE/1DM2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	081022PCB.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



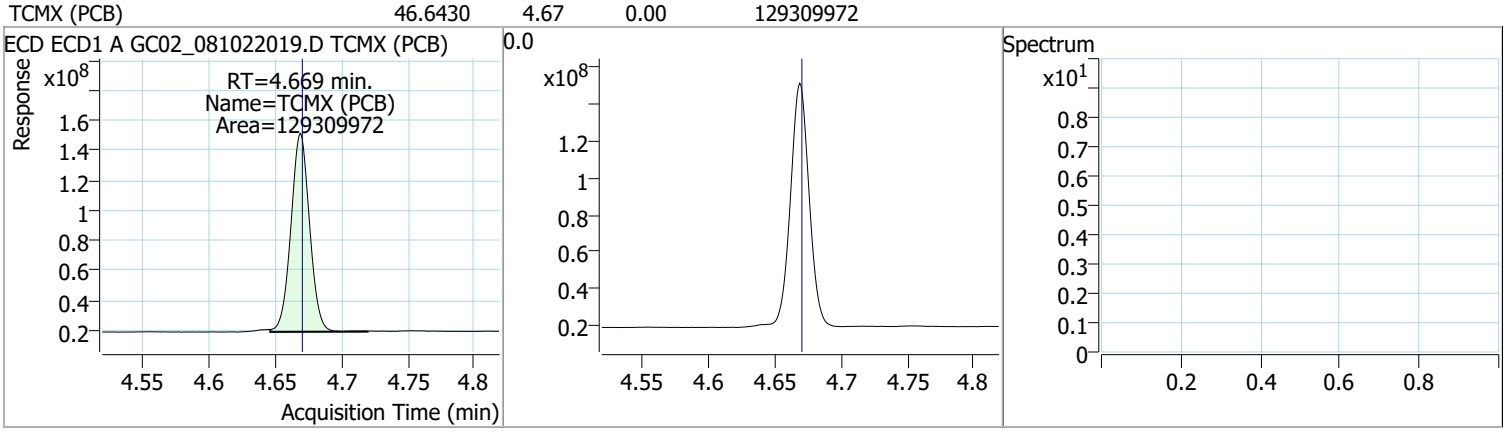


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.896	0.0	71105710.463	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.091	0.0	4706699.878	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.669	0.0	129309971.808	46.6430	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 233.21%		*	
S TCMX (PCB) #2	4.988	0.0	8093762.633	37.6346	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.17%		*	
S Decachlorobiphenyl (PCB)	11.909	0.0	156778598.953	47.1072	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 235.54%		*	
S Decachlorobiphenyl (PCB) #2	13.087	0.0	10229558.374	42.5465	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 212.73%		*	
Target Compounds							QValue

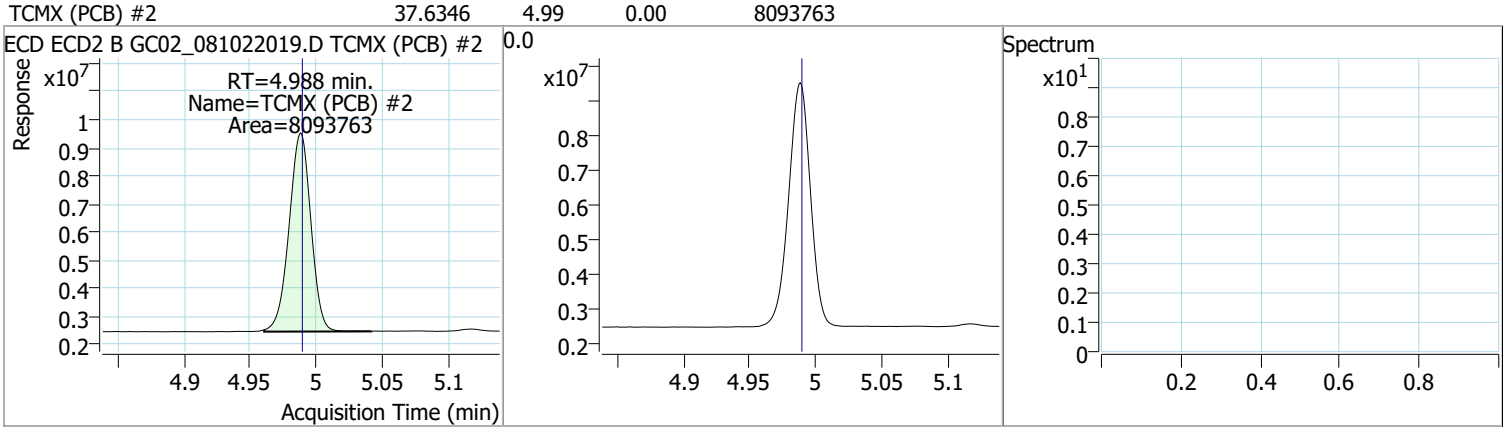
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.020	0.0	5500540.990	117.8454	ng/ml	100
T AR1016 2	5.295	0.0	332711.676	3.6922	ng/ml	100
T AR1016 1 #2	5.498	0.0	398609.873	89.8840	ng/ml	100
T AR1016 3	5.693	0.0	9850688.050	69.6045	ng/ml	100
T AR1016 2 #2	5.835	0.0	57030.766	6.2707	ng/ml	100
T AR1016 4	5.883	0.0	585355.499	7.0695	ng/ml	100
T AR1016 5	6.271	0.0	668782.572	9.2201	ng/ml	100
T AR1016 3 #2	6.462	0.0	2201788.563	195.3941	ng/ml	100
T AR1016 4 #2	6.471	0.0	46698.651	5.8563	ng/ml	100
T AR1016 5 #2	7.237	0.0	5905.588	0.9098	ng/ml	100
T AR1260 1	7.870	0.0	19816005.040	135.9721	ng/ml	100
T AR1260 2	8.407	0.0	792288.269	3.5074	ng/ml	100
T AR1260 3	9.082	0.0	2718009.187	10.2064	ng/ml	100
T AR1260 1 #2	9.536	0.0	61481.628	4.6055	ng/ml	100
T AR1260 4	9.771	0.0	10746426.404	89.1495	ng/ml	100
T AR1260 2 #2	9.921	0.0	35865.843	2.4553	ng/ml	100
T AR1260 3 #2	10.406	0.0	167020.649	8.6460	ng/ml	100
T AR1260 5	10.641	0.0	1442108.734	8.2255	ng/ml	100
T AR1260 4 #2	10.967	0.0	89973.804	8.3449	ng/ml	100
T AR1260 5 #2	11.627	0.0	129290.922	8.3556	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

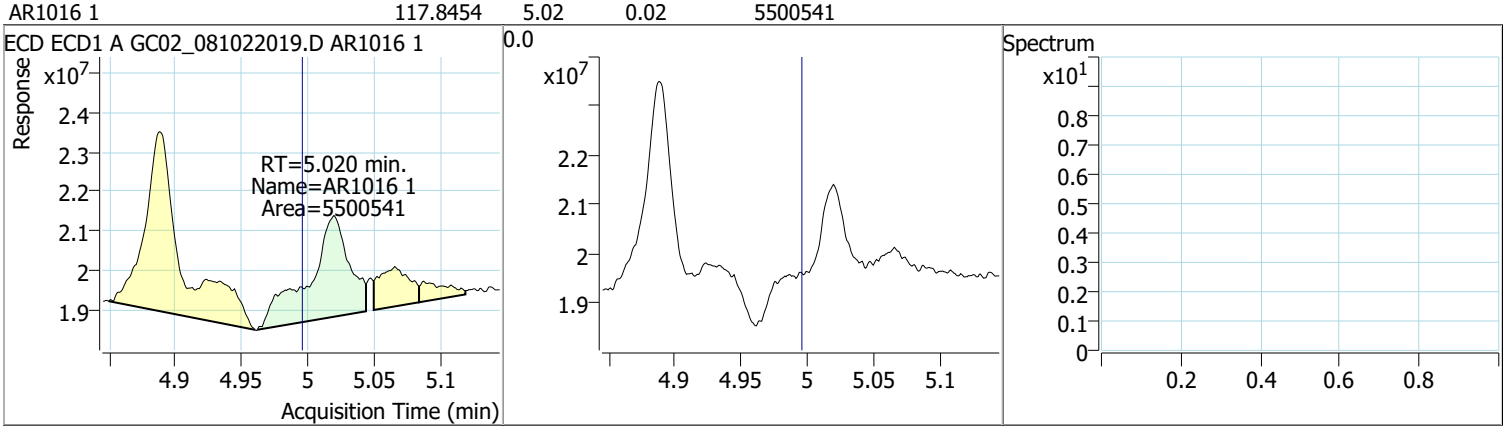
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	46.6430	4.67	0.00	129309972				



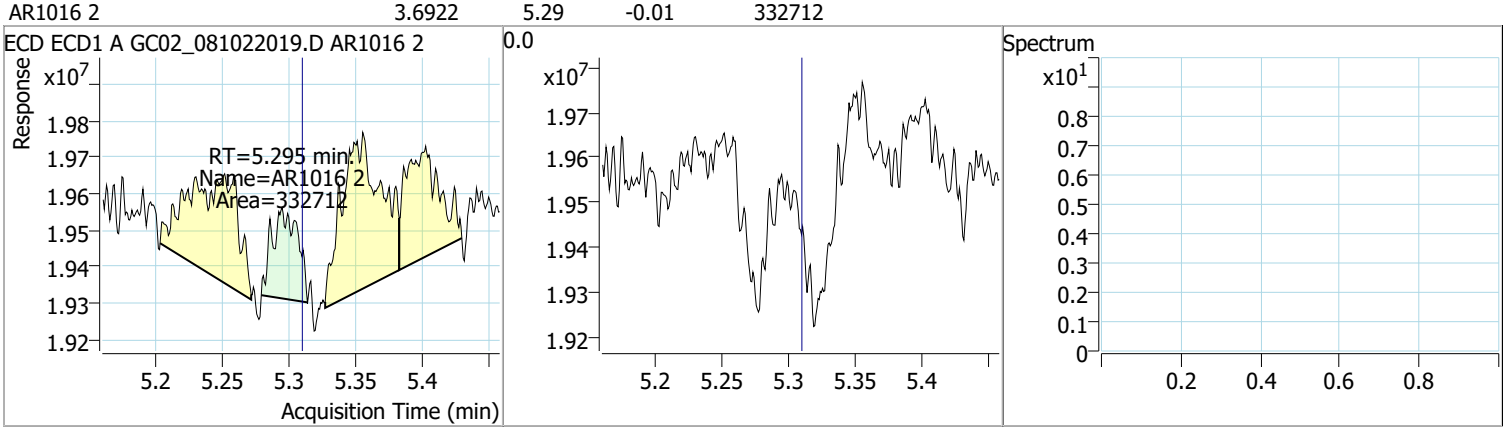
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.6346	4.99	0.00	8093763				



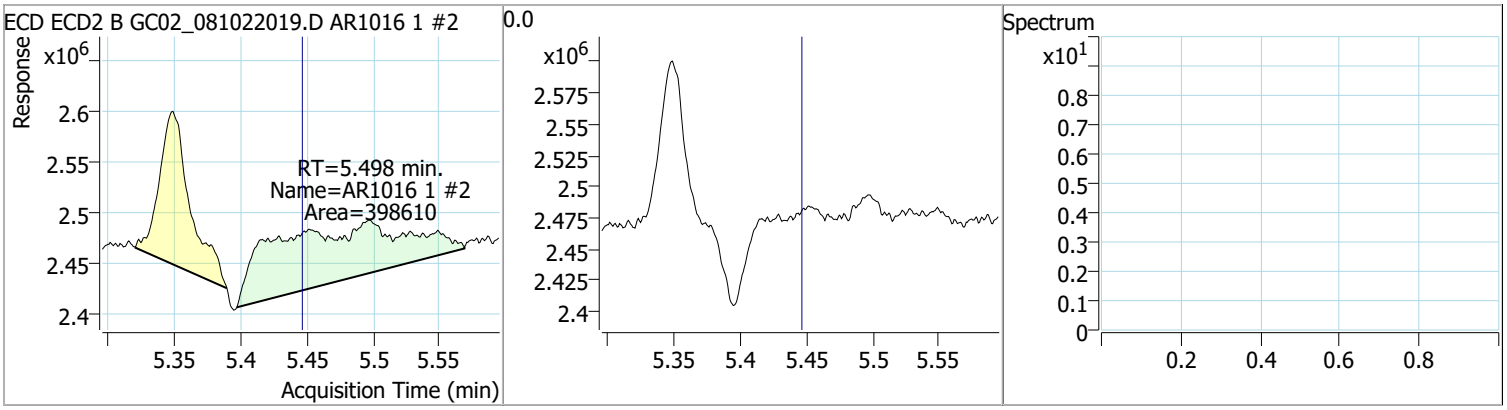
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	117.8454	5.02	0.02	5500541				



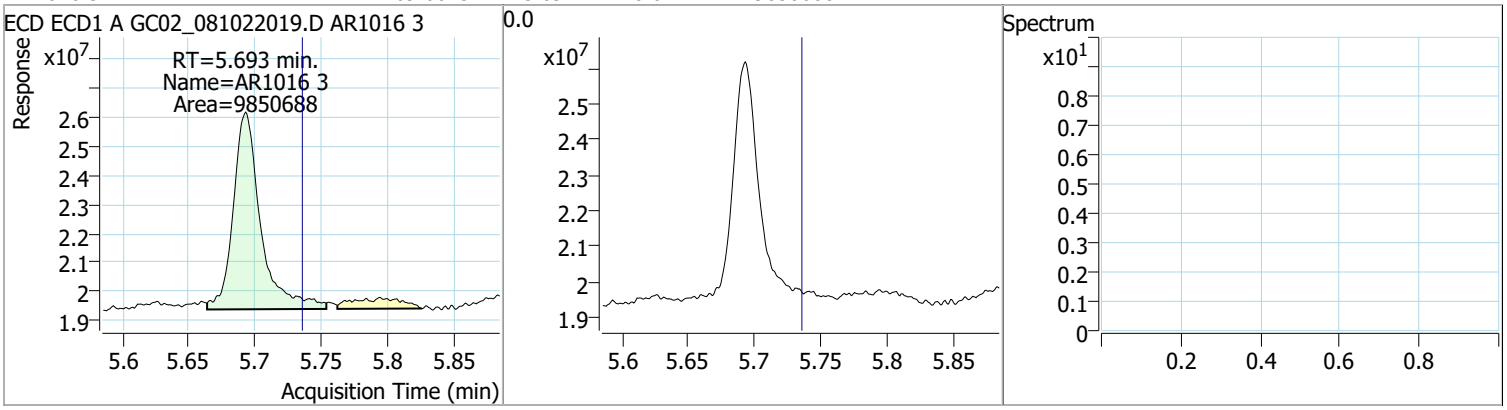
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	3.6922	5.29	-0.01	332712				



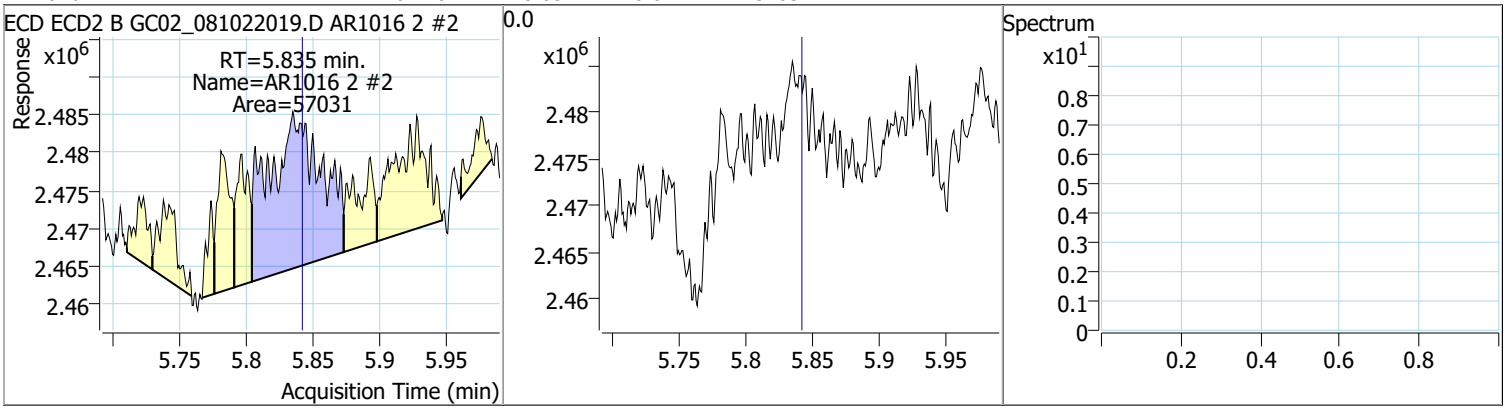
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	89.8840	5.50	0.05	398610				



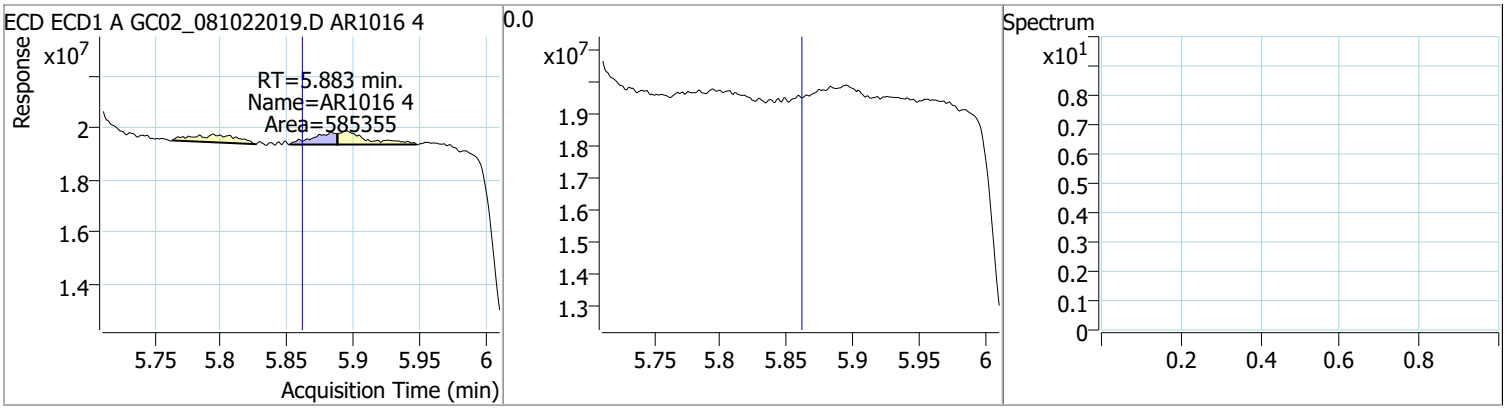
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	69.6045	5.69	-0.04	9850688				



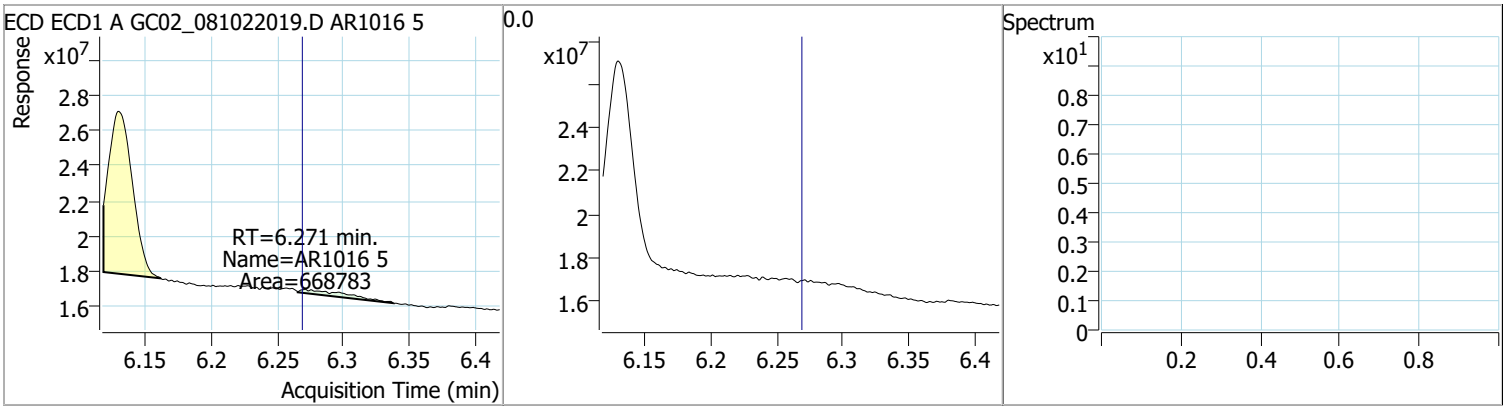
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	6.2707	5.83	-0.01	57031				



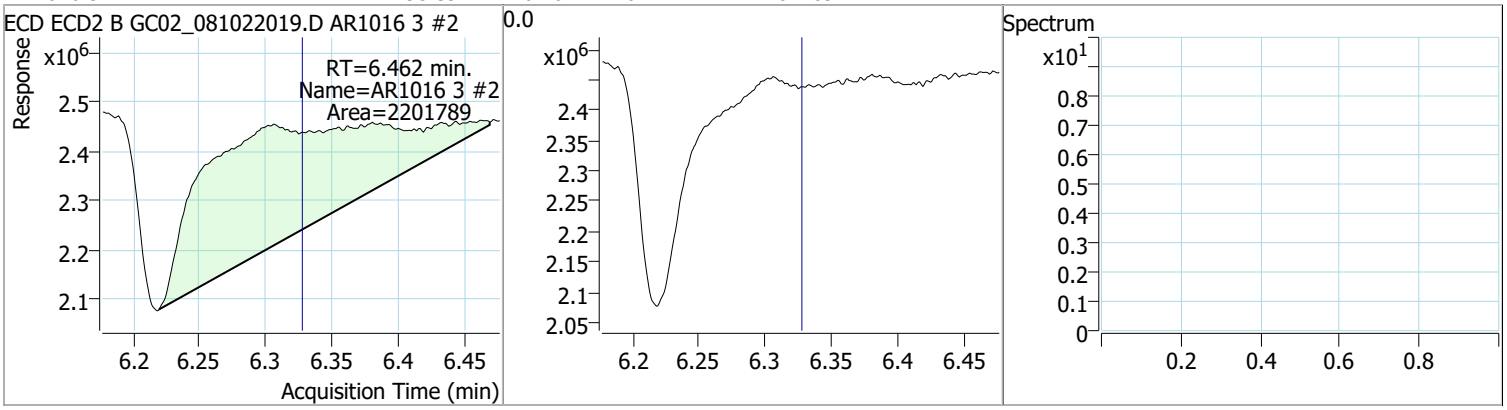
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	7.0695	5.88	0.02	585355				



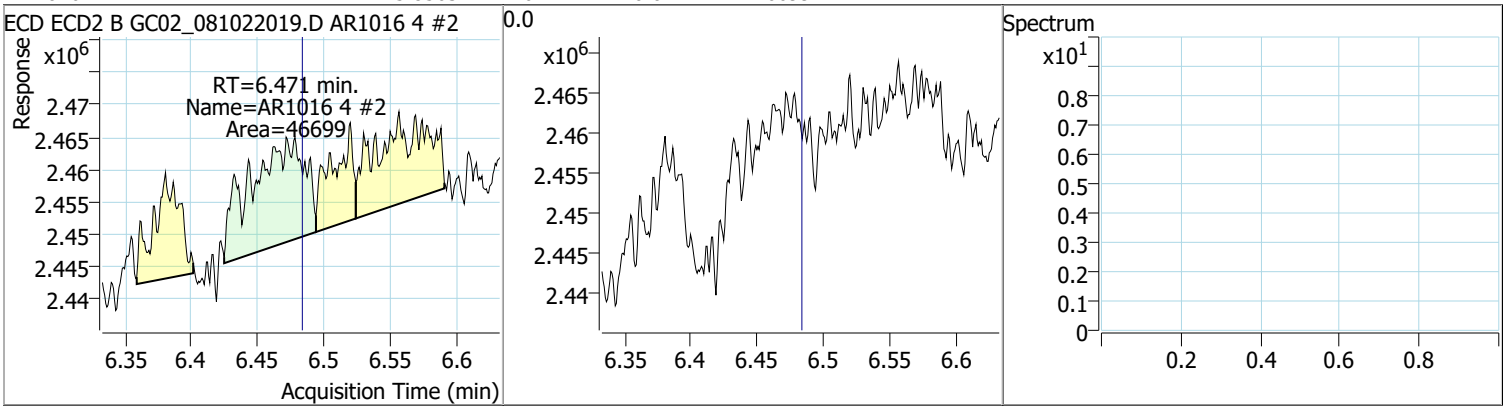
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	9.2201	6.27	0.00	668783				



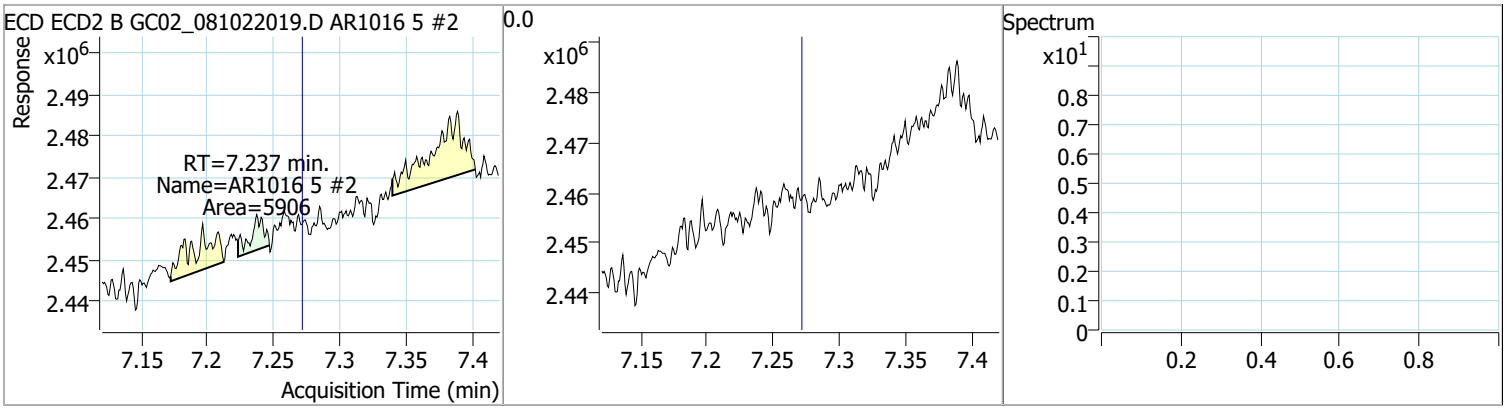
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	195.3941	6.46	0.14	2201789				



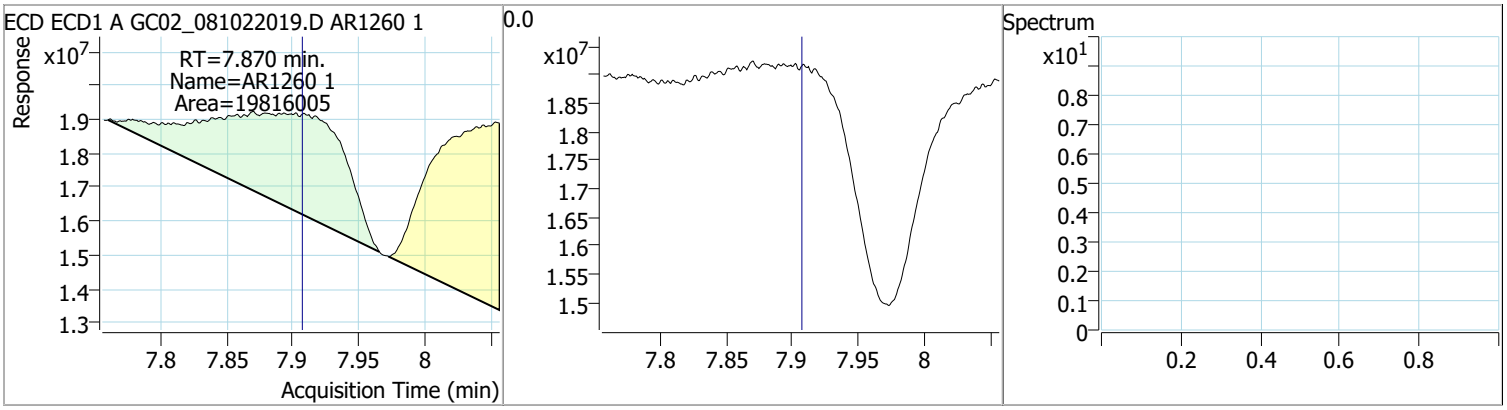
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	5.8563	6.47	-0.01	46699				



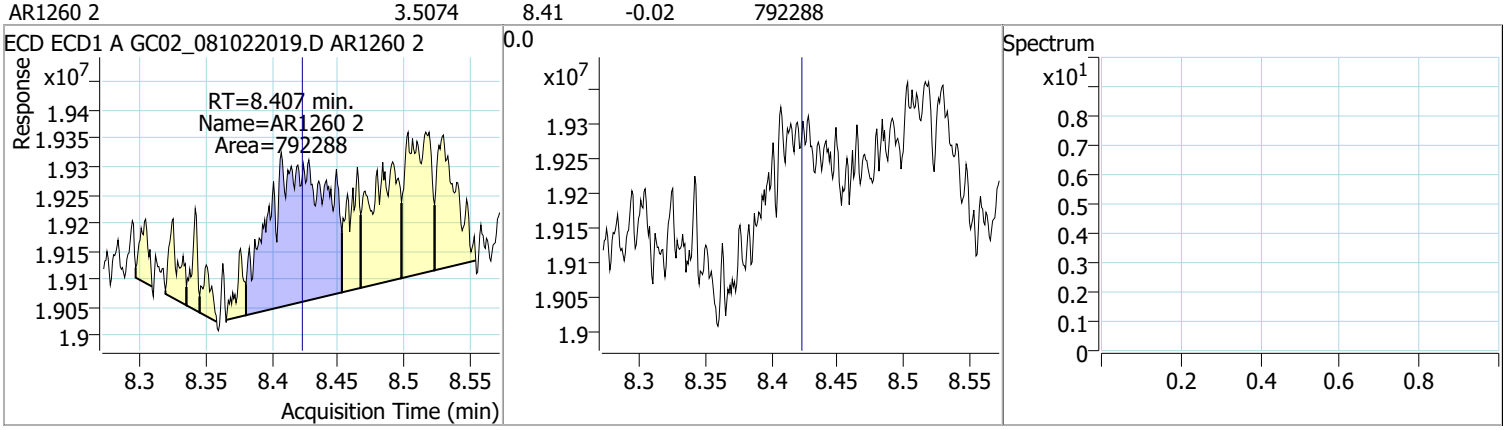
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.9098	7.24	-0.03	5906				



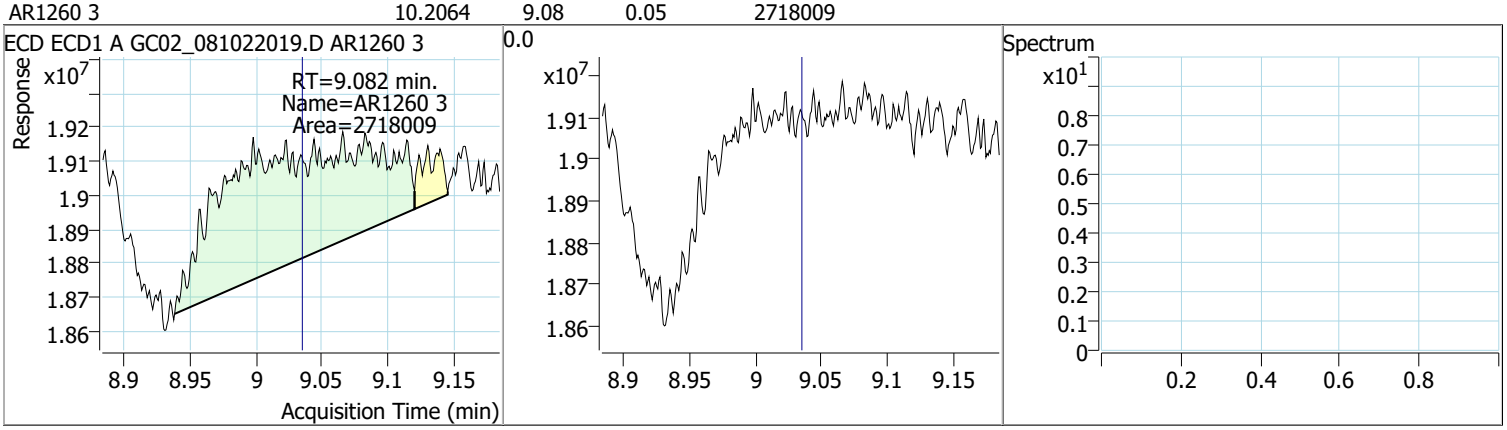
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	135.9721	7.87	-0.04	19816005				



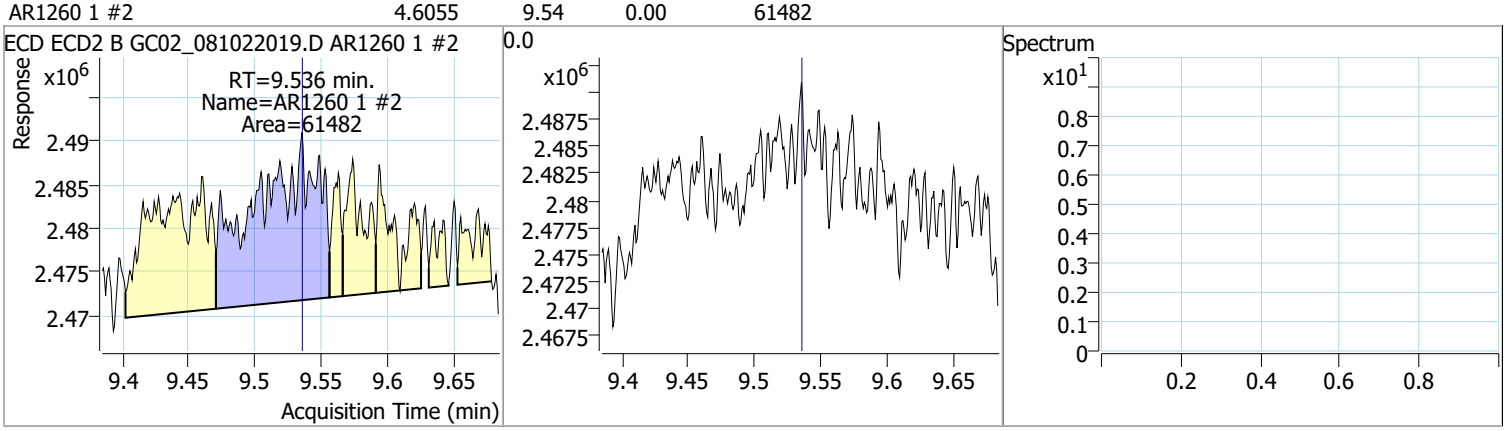
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	3.5074	8.41	-0.02	792288				



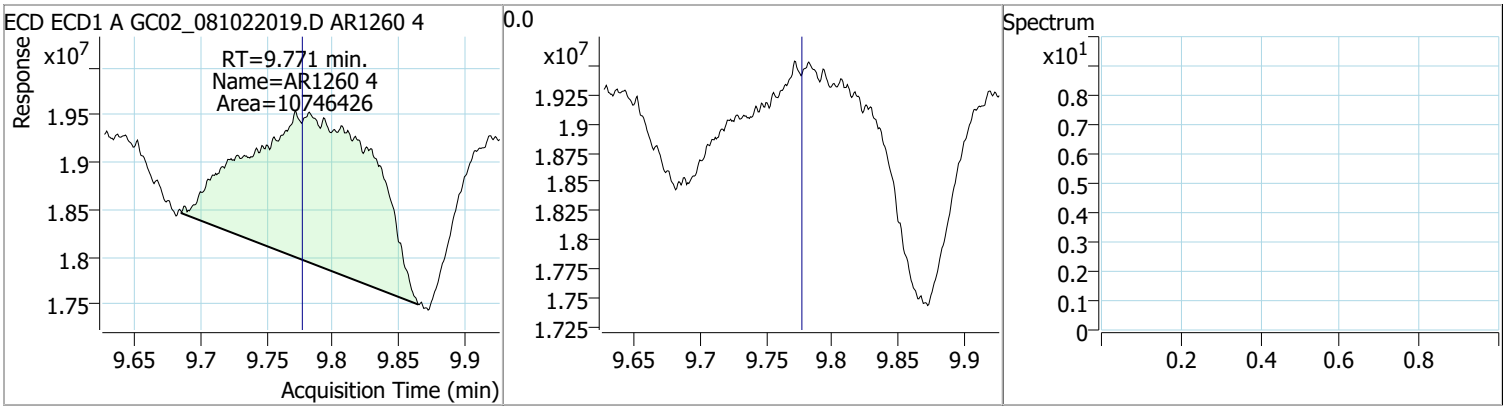
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	10.2064	9.08	0.05	2718009				



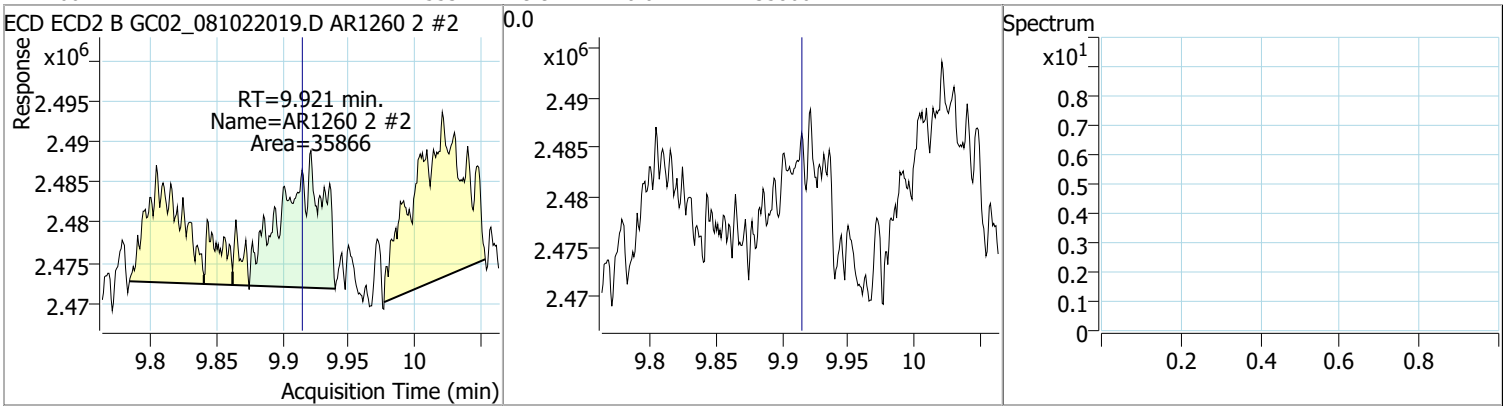
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	4.6055	9.54	0.00	61482				



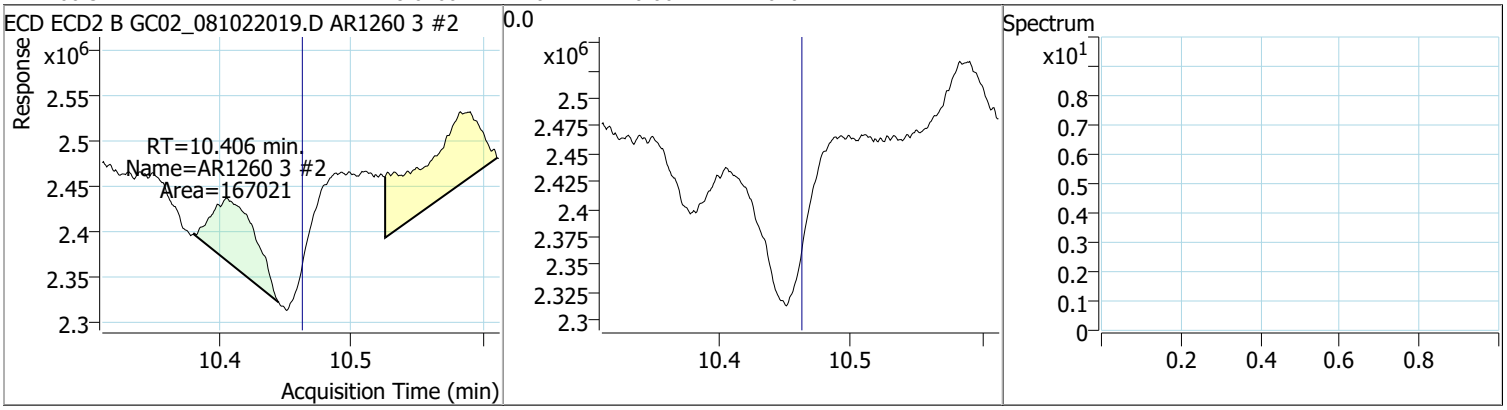
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	89.1495	9.77	-0.01	10746426				



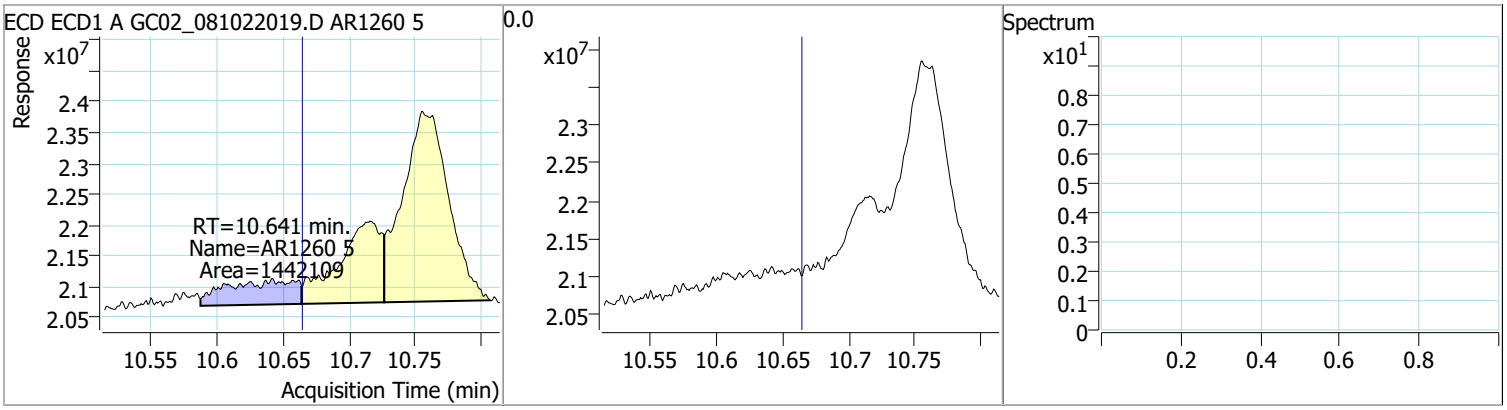
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	2.4553	9.92	0.01	35866				



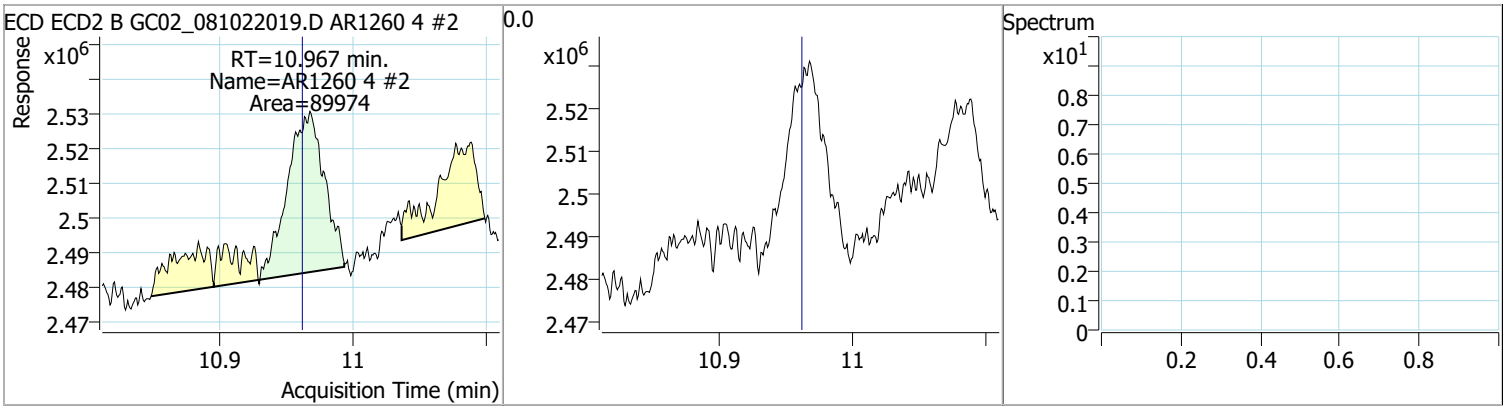
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	8.6460	10.41	-0.06	167021				



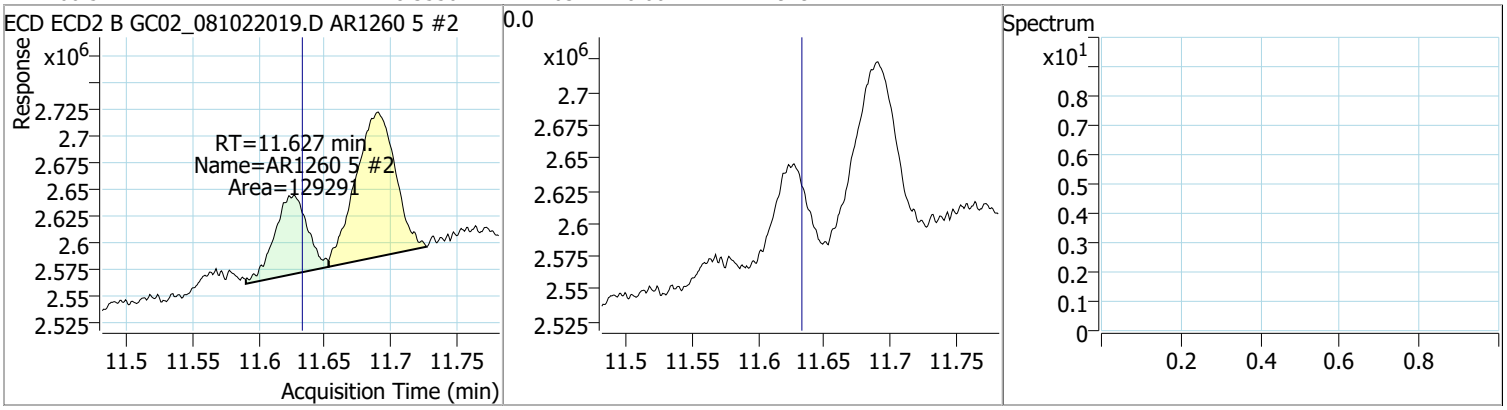
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	8.2255	10.64	-0.02	1442109				



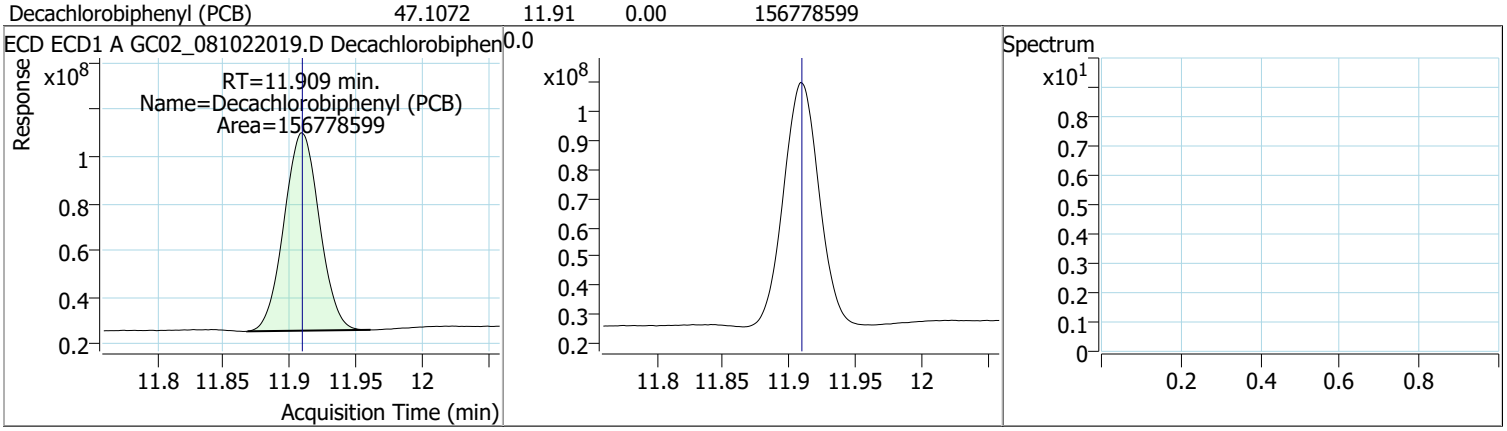
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	8.3449	10.97	0.01	89974				



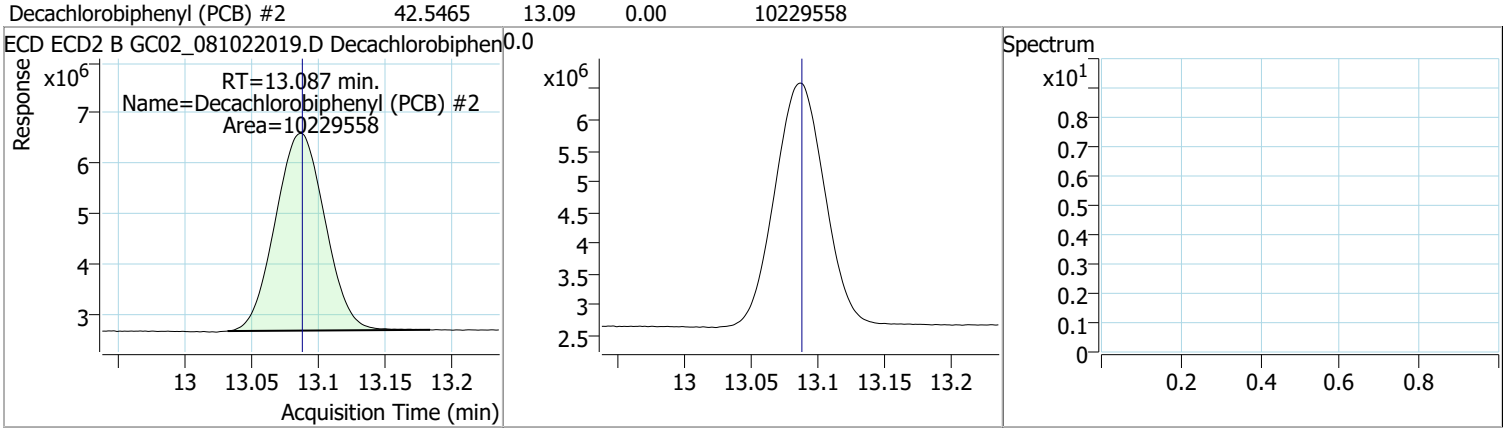
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	8.3556	11.63	0.00	129291				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	47.1072	11.91	0.00	156778599				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	42.5465	13.09	0.00	10229558				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC02	Lab ID:	467089-005	Client ID:	DOOR-N-0.6GE-EXT-3 TO 4-220808-P-CB
Seqnum:	212320550020	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc02_081022-020	Batch:	294760	Time:	10-AUG-2022 19:39
Cal:	212298819002	Caldate:	27-JUL-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	42.05	ND	0.93	10%	1.0		u
Aroclor-1016 Peak # 1	A	64.91	1.30	0.27	132%			
Aroclor-1016 Peak # 2	A	3.293	0.07	0.10	39%			
Aroclor-1016 Peak # 3	A	118.4	2.37	4.13	54%			
Aroclor-1016 Peak # 4	A	3.059	0.06	0.13	72%			
Aroclor-1016 Peak # 5	A	20.62	0.41	0.02	185%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	66.39	~~1.3~~ ~~FP~~	0.13	165%	1.0		x u
Aroclor-1260 Peak # 1	A	153.9	3.08	0.07	191%			
Aroclor-1260 Peak # 2	A	2.421	0.05	0.05	0%			
Aroclor-1260 Peak # 3	A	12.33	0.25	0.34	32%			
Aroclor-1260 Peak # 4	A	105.8	2.12	0.09	183%			
Aroclor-1260 Peak # 5	A	57.49	1.15	0.10	169%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	41.95	1.000	0.8391	84	52-186	u
Decachlorobiphenyl (PCB)	A	37.91	1.000	0.7582	76	50-150	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc02_081022-010)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4588277	4153650	-9.47
1-bromo-2-nitrobenzene (PCB)	A	80982294	61436855	-24.14

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

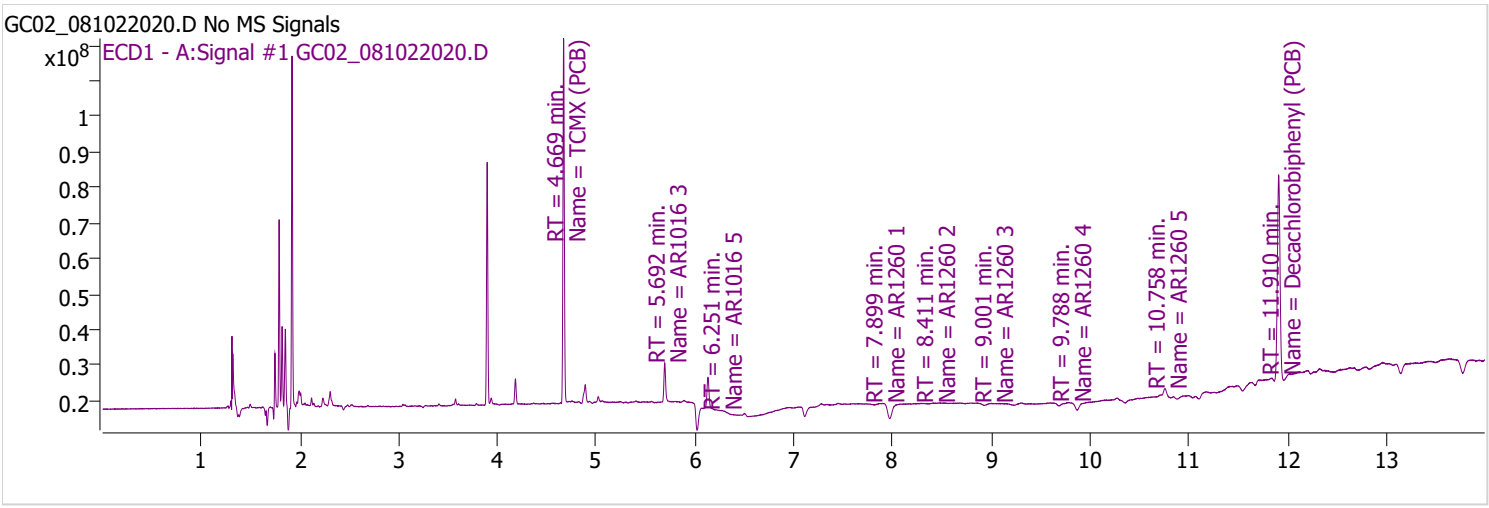
ISTD (CCV gc02_081022-010)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.09	4.09	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.90	3.90	0.00

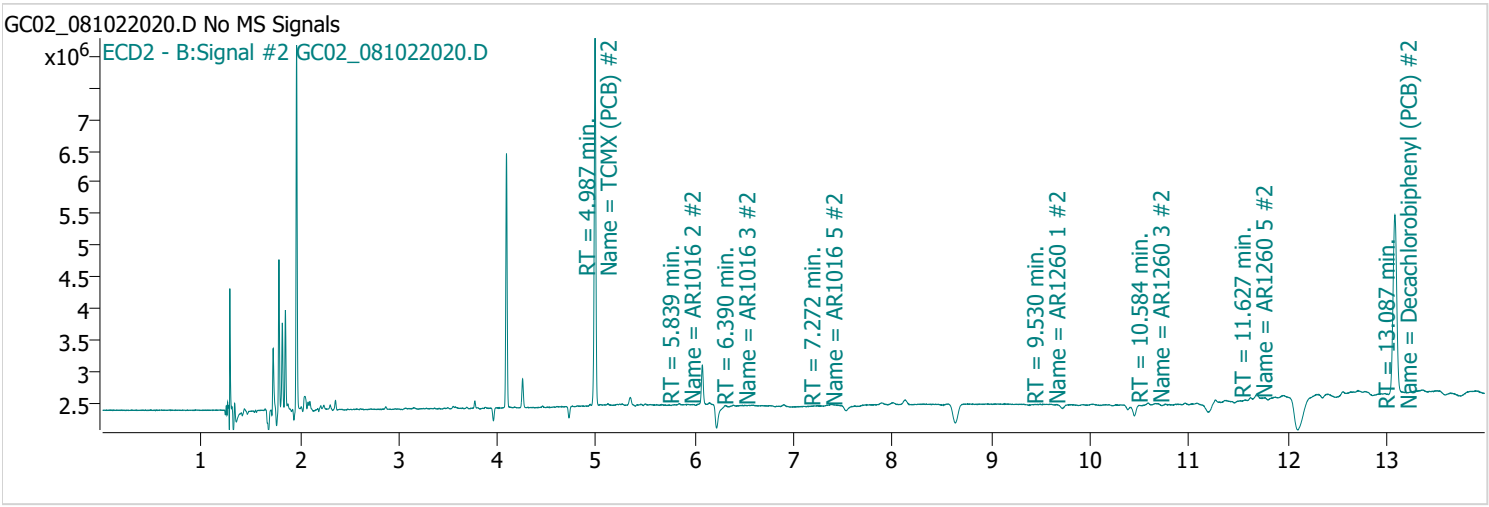
Analyst: TRN 08/12/22

Reviewer: SLL 08/16/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_081022020.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	8/10/2022 7:39:43 PM
Sample Name	467089-005, 294760, 1	Instrument	SVOA-GC02
Vial	6	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_7.m	Comment	WIPE/1DM2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	081022PCB.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



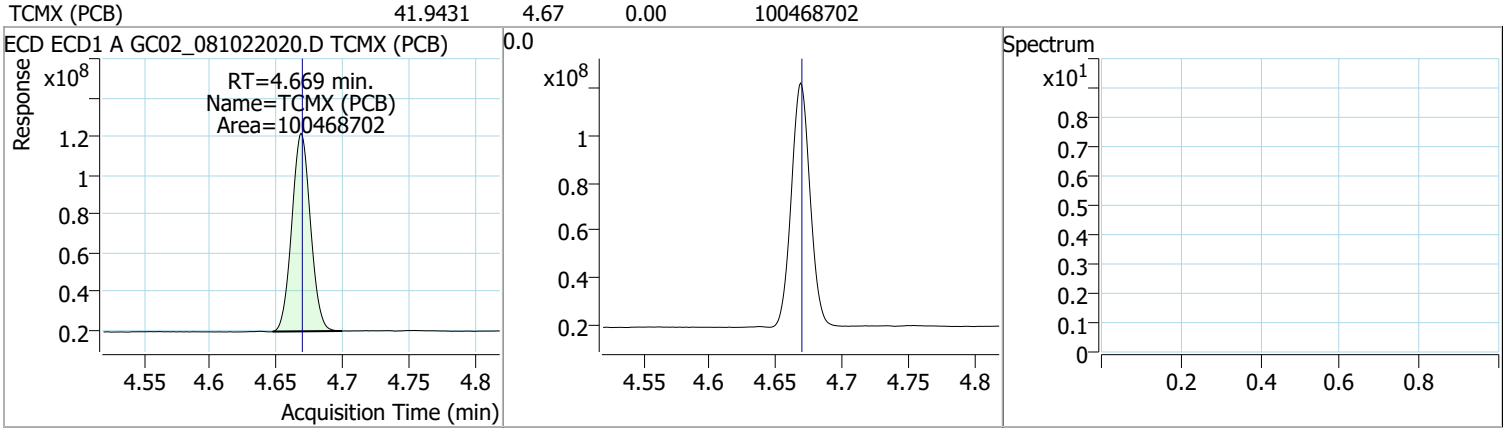


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.895	0.0	61436854.548	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.091	0.0	4153649.907	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.669	0.0	100468701.846	41.9431	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 209.72%		*	
S TCMX (PCB) #2	4.987	0.0	6699512.508	35.2993	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 176.50%		*	
S Decachlorobiphenyl (PCB)	11.910	0.0	108974089.081	37.8965	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 189.48%		*	
S Decachlorobiphenyl (PCB) #2	13.087	0.0	7469417.818	35.2031	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 176.02%		*	
Target Compounds							QValue

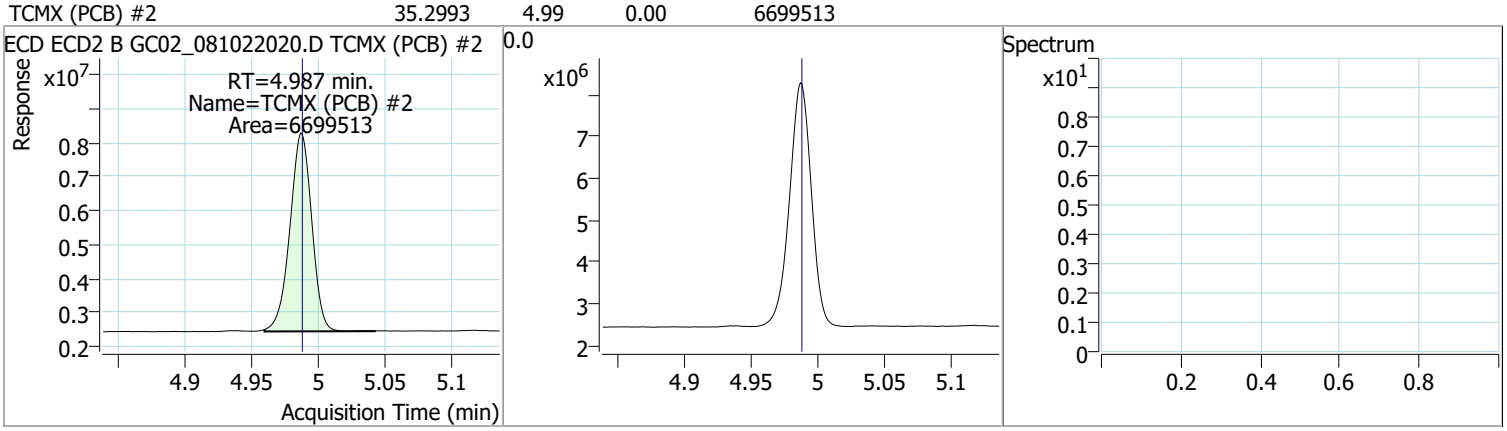
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.019	0.0	2616955.950	64.8902	ng/ml	100
T AR1016 2	5.302	0.0	256309.306	3.2920	ng/ml	100
T AR1016 1 #2	5.454	0.0	51953.879	13.2751	ng/ml	100
T AR1016 3	5.692	0.0	14472427.833	118.3553	ng/ml	100
T AR1016 2 #2	5.839	0.0	39280.069	4.8940	ng/ml	100
T AR1016 4	5.832	0.0	218781.153	3.0581	ng/ml	100
T AR1016 5	6.251	0.0	1291755.322	20.6112	ng/ml	100
T AR1016 3 #2	6.390	0.0	2052203.567	206.3682	ng/ml	100
T AR1016 4 #2	6.479	0.0	45980.623	6.5341	ng/ml	100
T AR1016 5 #2	7.272	0.0	4742.427	0.8279	ng/ml	100
T AR1260 1	7.899	0.0	19379501.942	153.9047	ng/ml	100
T AR1260 2	8.411	0.0	472348.512	2.4201	ng/ml	100
T AR1260 3	9.001	0.0	2836830.582	12.3290	ng/ml	100
T AR1260 1 #2	9.530	0.0	41035.543	3.4832	ng/ml	100
T AR1260 4	9.788	0.0	11012609.875	105.7355	ng/ml	100
T AR1260 2 #2	9.933	0.0	31082.313	2.4111	ng/ml	100
T AR1260 3 #2	10.584	0.0	288835.889	16.9428	ng/ml	100
T AR1260 5	10.758	0.0	8706174.918	57.4732	ng/ml	100
T AR1260 4 #2	10.961	0.0	43356.486	4.5567	ng/ml	100
T AR1260 5 #2	11.627	0.0	66203.066	4.8481	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

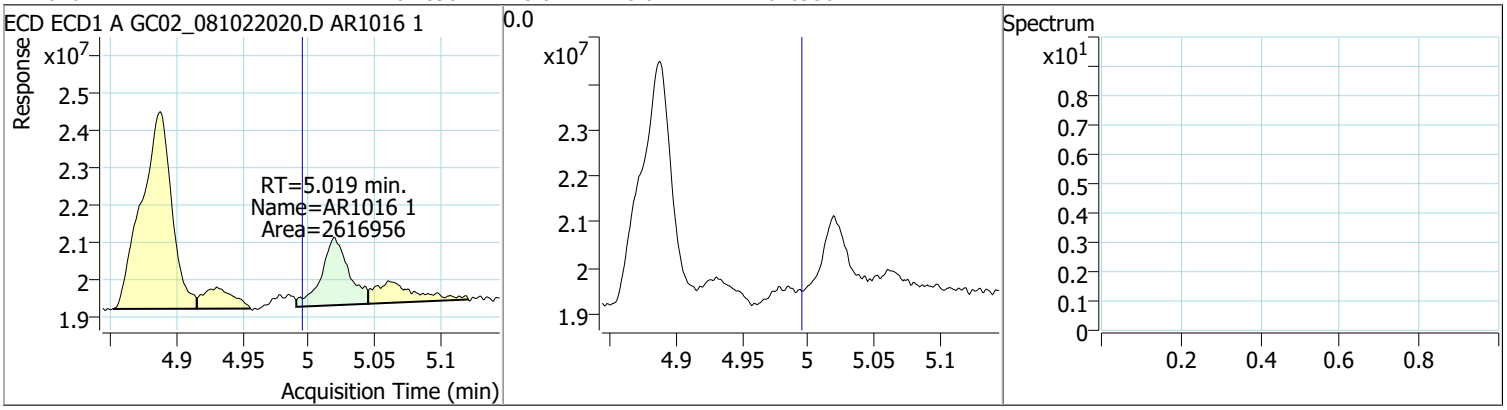
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	41.9431	4.67	0.00	100468702				



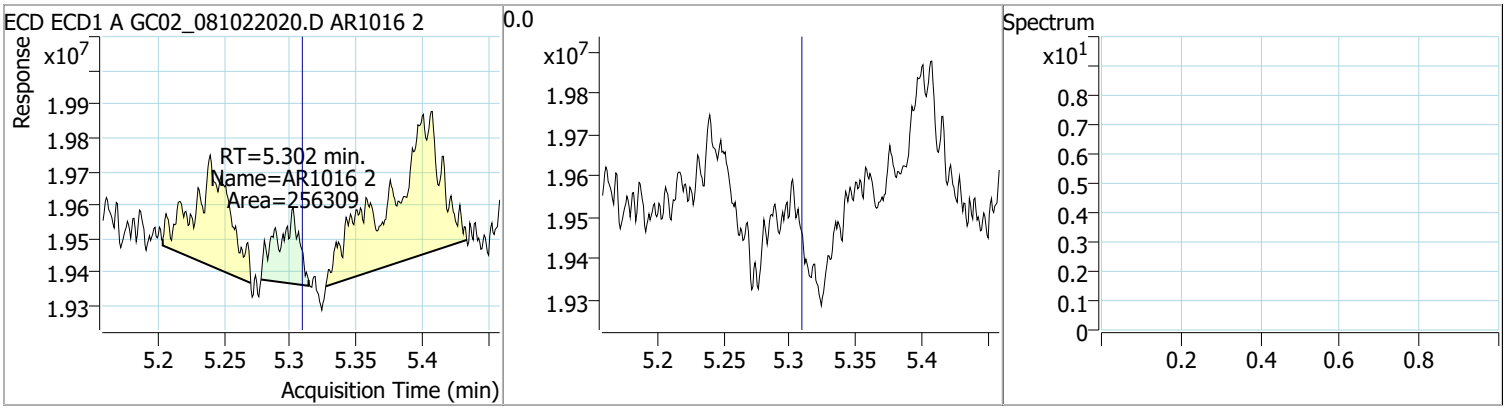
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.2993	4.99	0.00	6699513				



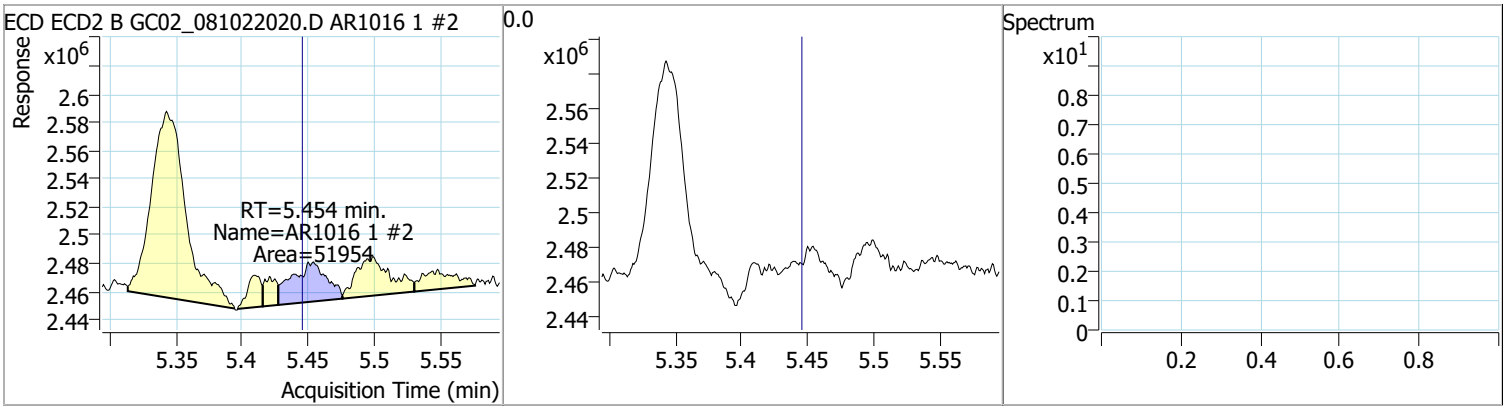
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	64.8902	5.02	0.02	2616956				



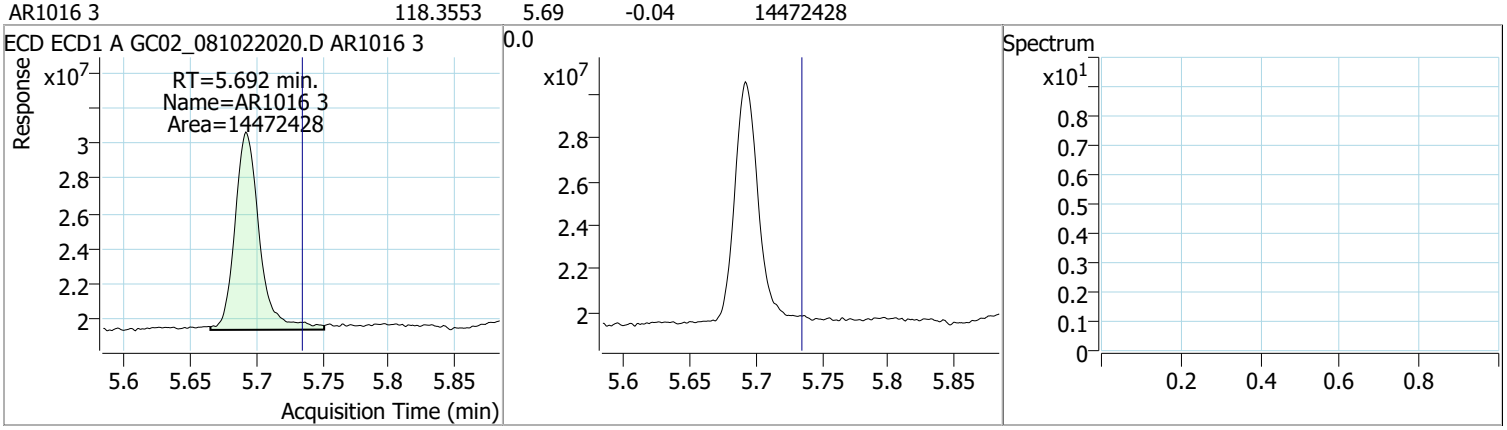
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	3.2920	5.30	-0.01	256309				



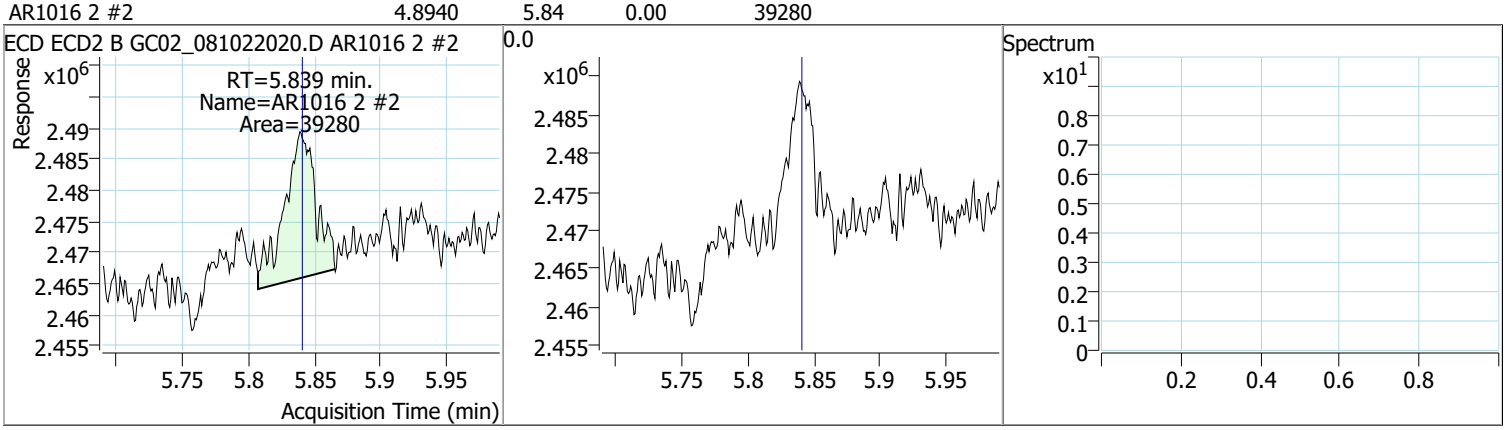
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	13.2751	5.45	0.01	51954				



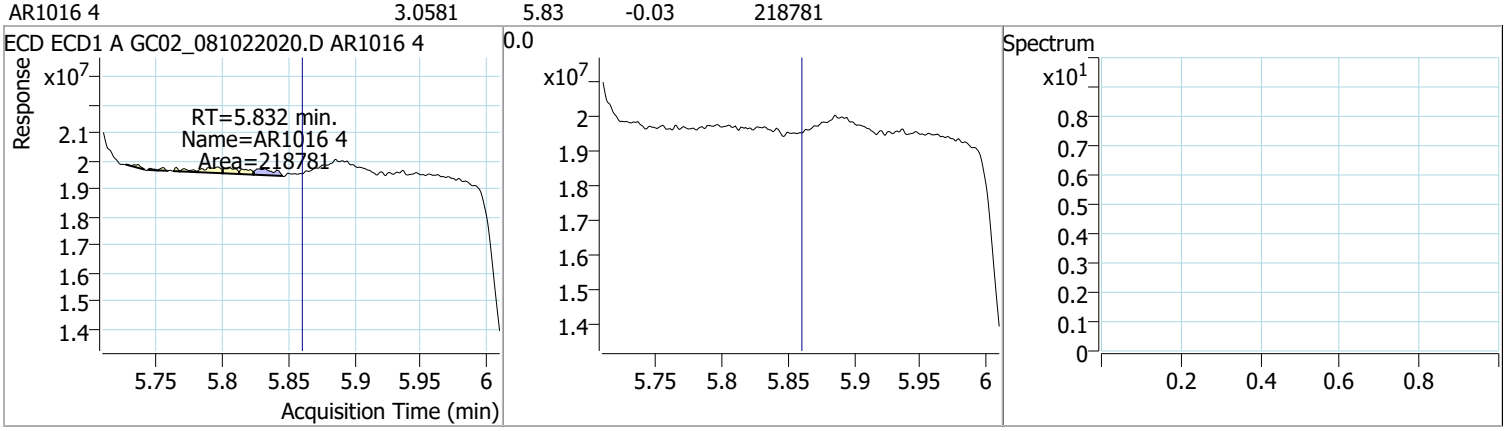
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	118.3553	5.69	-0.04	14472428				



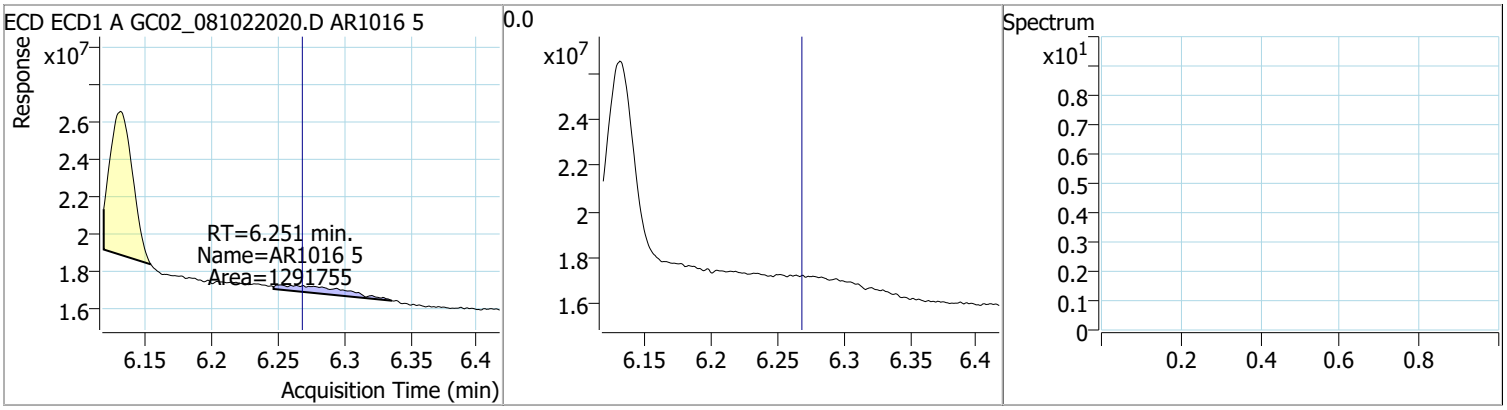
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	4.8940	5.84	0.00	39280				



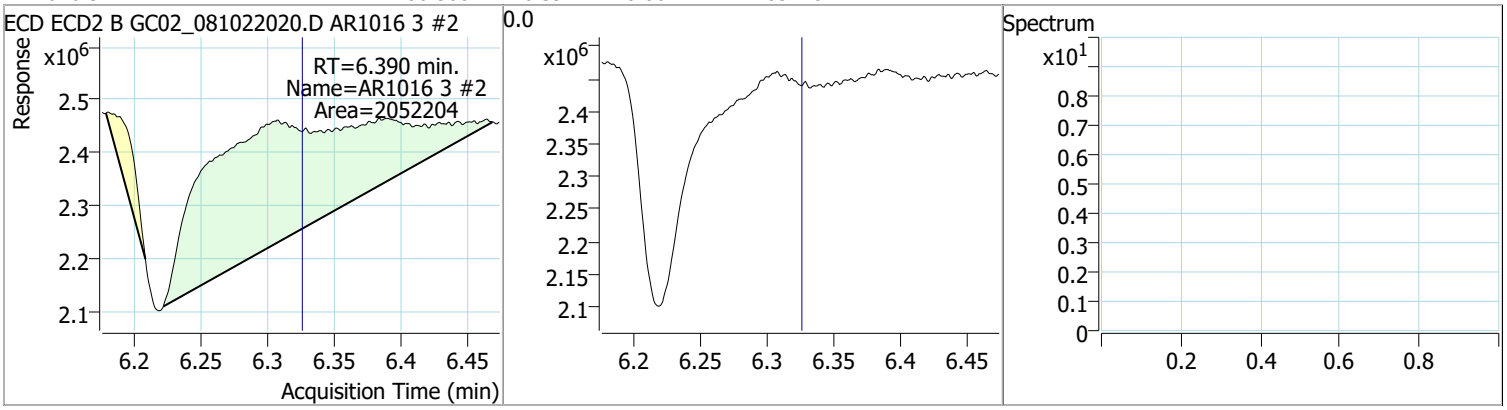
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	3.0581	5.83	-0.03	218781				



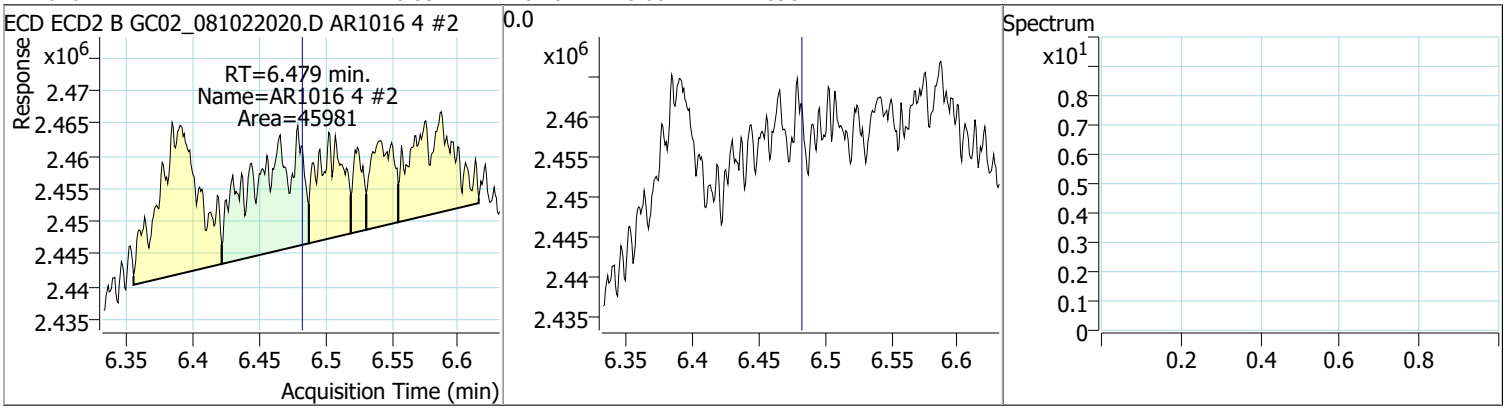
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	20.6112	6.25	-0.02	1291755				



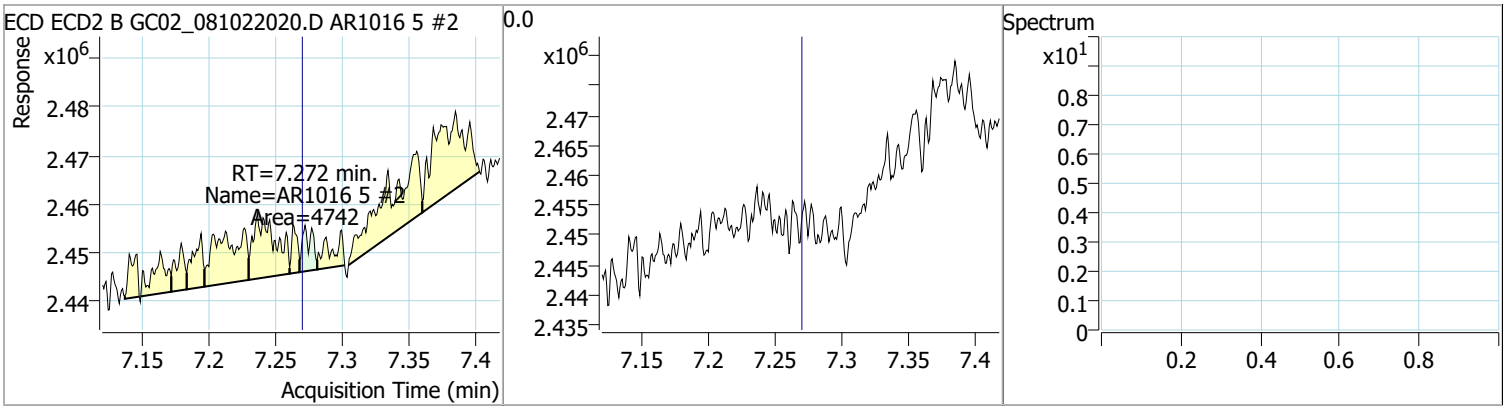
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	206.3682	6.39	0.06	2052204				



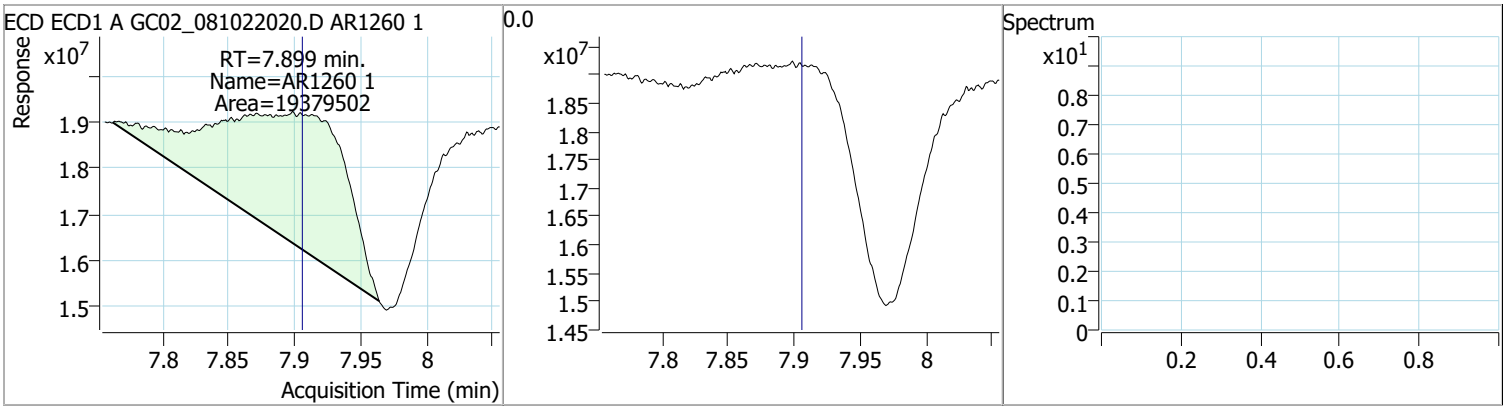
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	6.5341	6.48	0.00	45981				



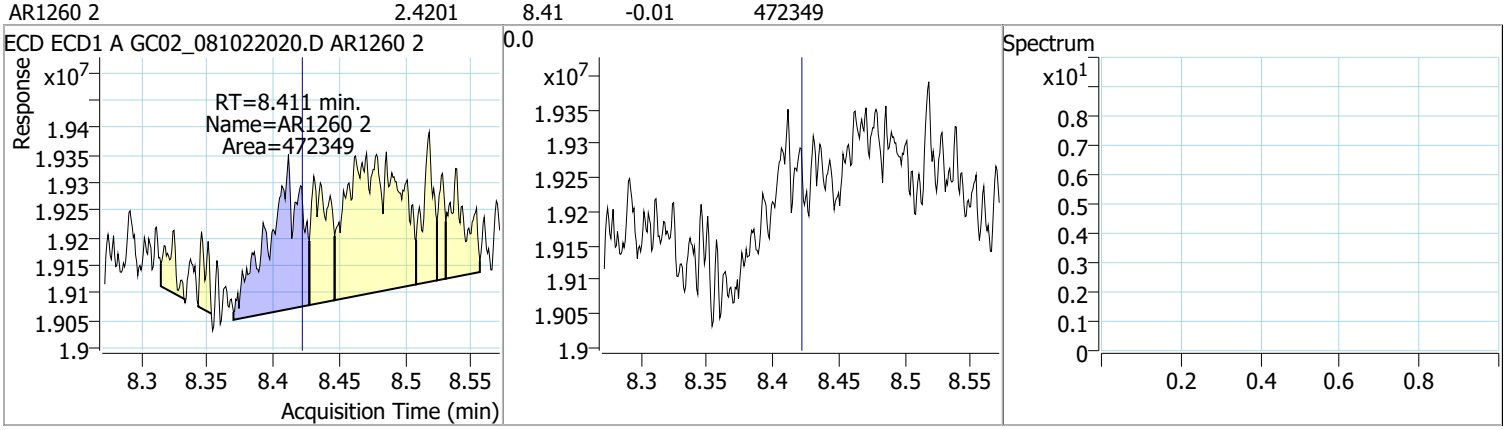
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.8279	7.27	0.00	4742				



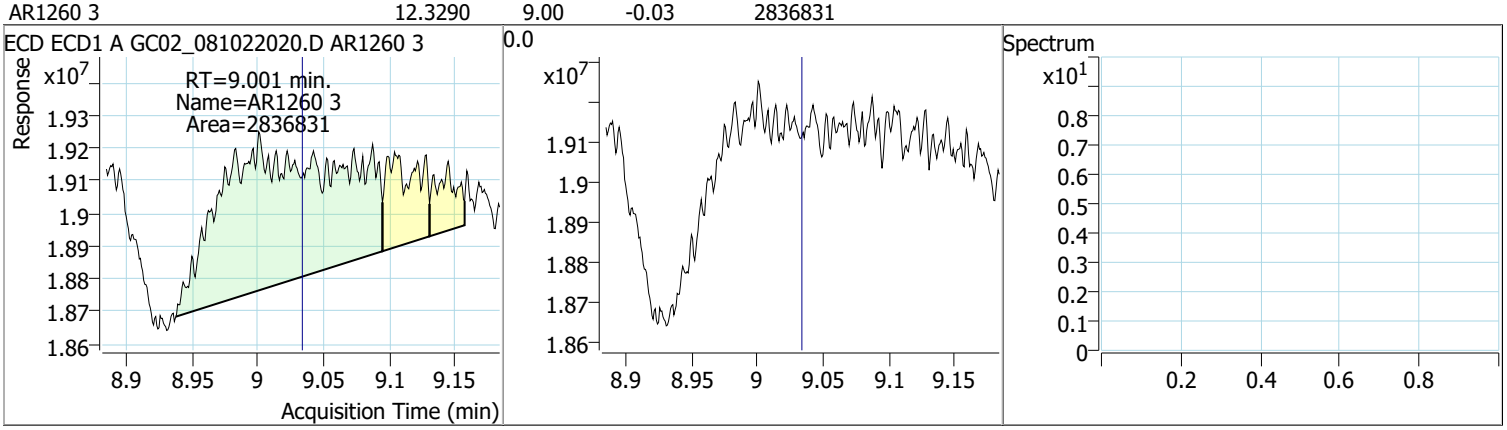
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	153.9047	7.90	-0.01	19379502				



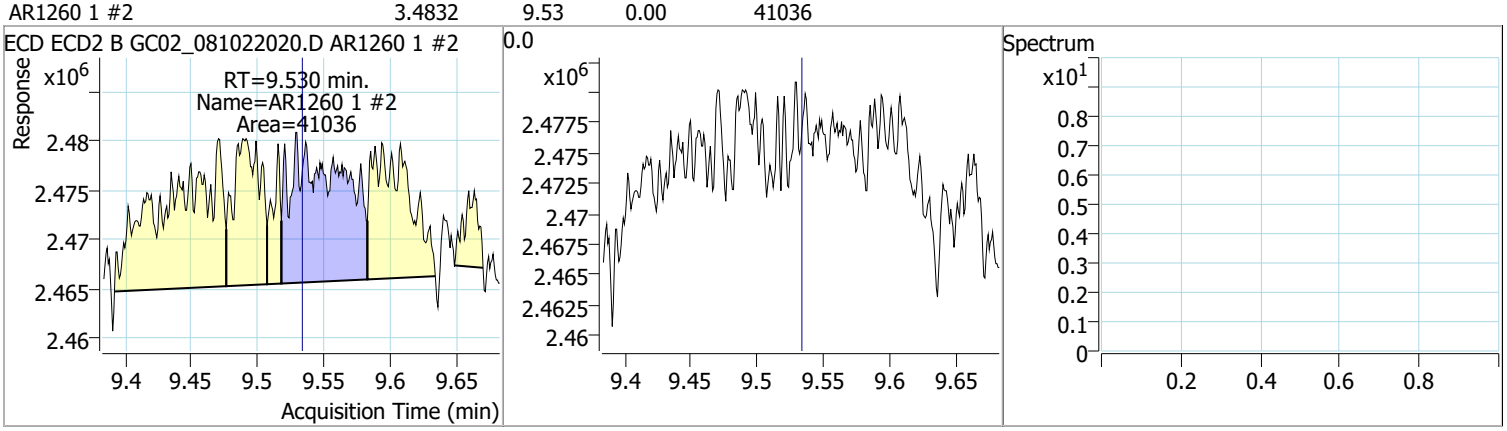
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.4201	8.41	-0.01	472349				



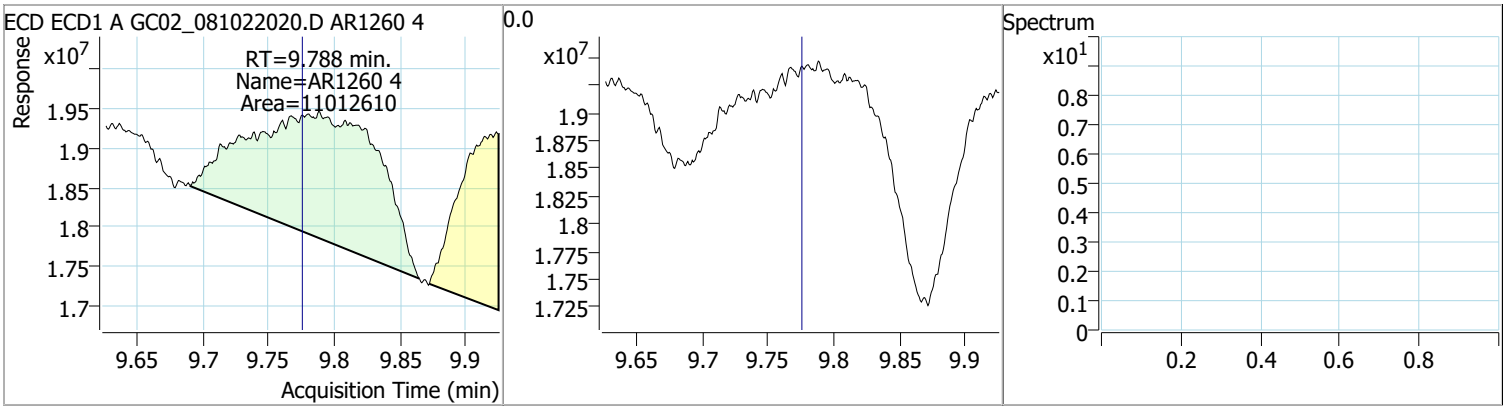
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	12.3290	9.00	-0.03	2836831				



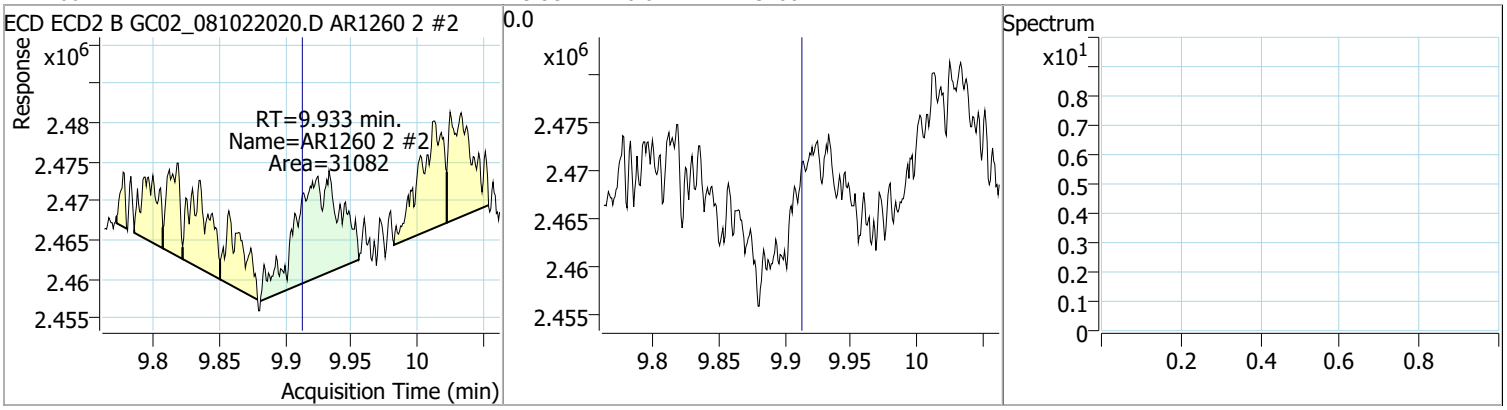
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	3.4832	9.53	0.00	41036				



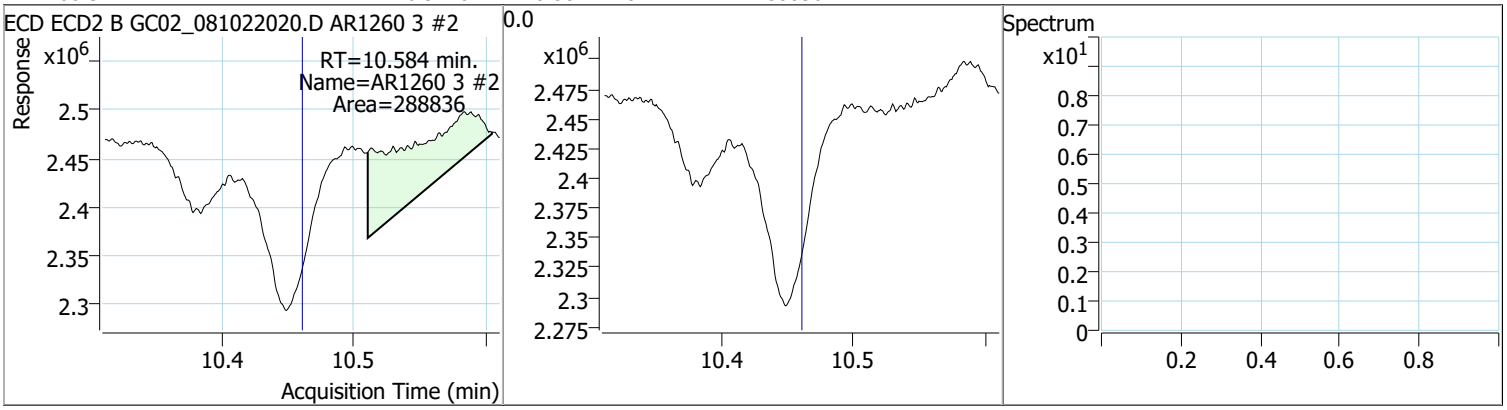
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	105.7355	9.79	0.01	11012610				



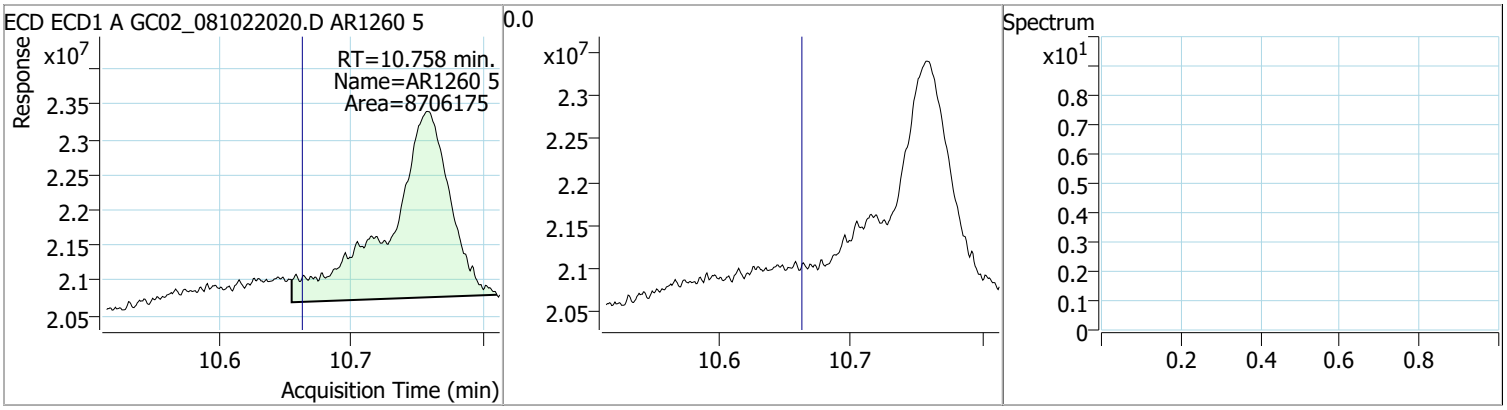
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	2.4111	9.93	0.02	31082				



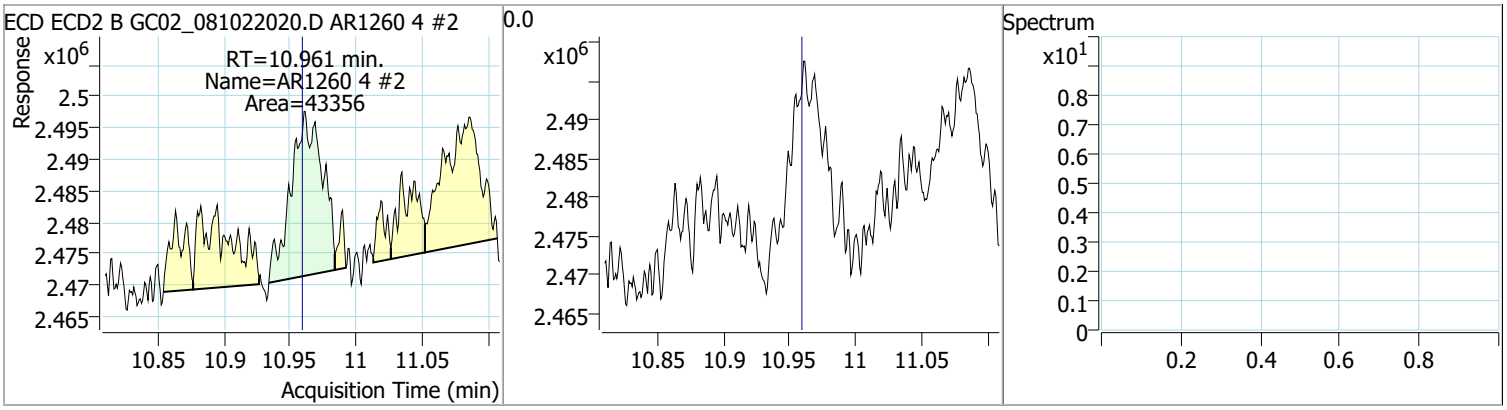
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	16.9428	10.58	0.12	288836				



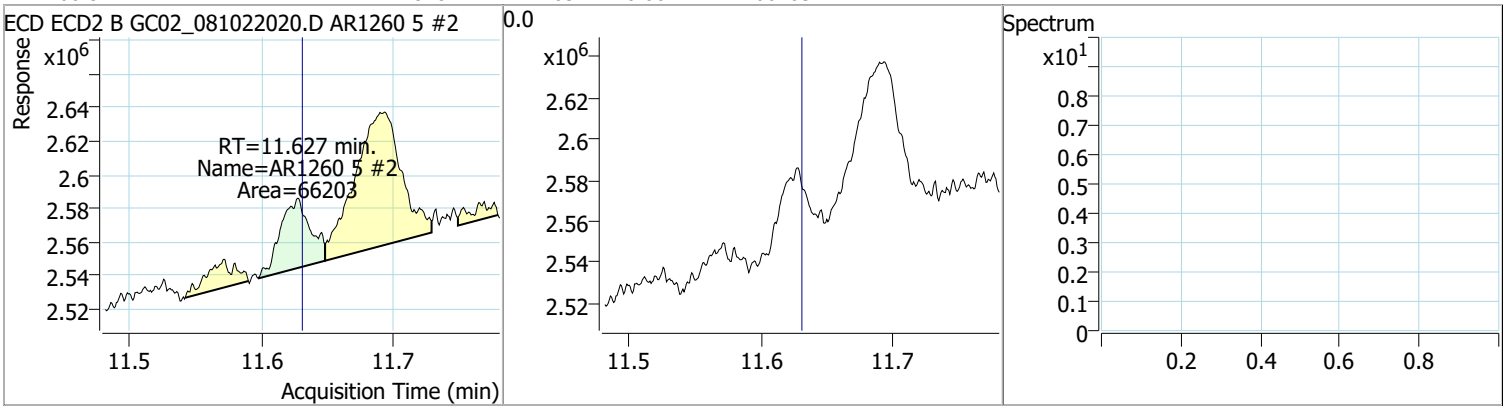
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	57.4732	10.76	0.09	8706175				



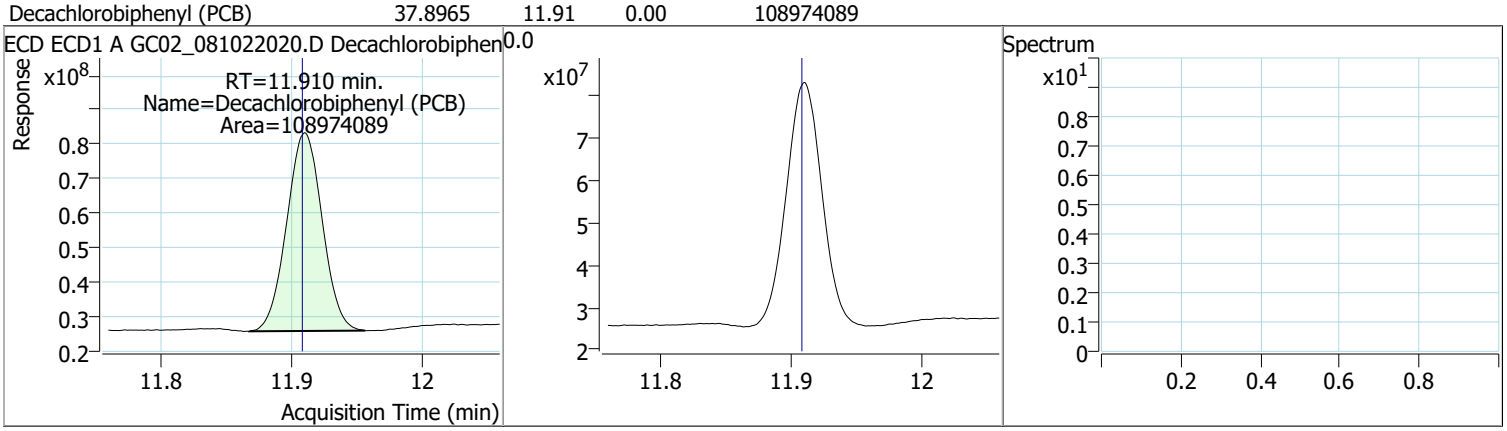
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	4.5567	10.96	0.00	43356				



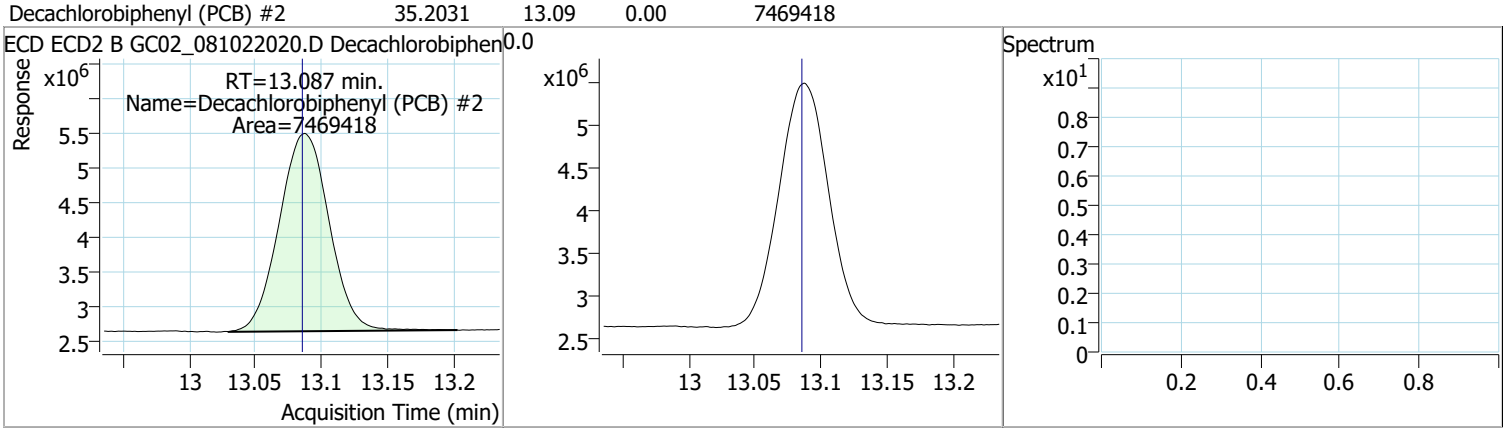
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	4.8481	11.63	0.00	66203				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	37.8965	11.91	0.00	108974089				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	35.2031	13.09	0.00	7469418				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC02	Lab ID:	467089-007	Client ID:	DOOR-N-0.8GE-DG-3 TO 17-220808-P-G
Seqnum:	212320550021	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc02_081022-021	Batch:	294760	Time:	10-AUG-2022 19:57
Cal:	212298819002	Caldate:	27-JUL-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	118.8	~~2.4~~ FP	0.88	92%	1.0		x u
Aroclor-1016 Peak # 1	A	50.21	1.00	0.20	134%			
Aroclor-1016 Peak # 2	A	4.839	0.10	0.06	45%			
Aroclor-1016 Peak # 3	A	103.3	2.07	4.07	65%			
Aroclor-1016 Peak # 4	A	1.352	0.03	0.07	89%			
Aroclor-1016 Peak # 5	A	434.4	8.69	0.02	199%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	59.94	~~1.2~~ FP	0.10	169%	1.0		x u
Aroclor-1260 Peak # 1	A	137.6	2.75	0.05	194%			
Aroclor-1260 Peak # 2	A	9.282	0.19	0.05	118%			
Aroclor-1260 Peak # 3	A	9.201	0.18	0.21	11%			
Aroclor-1260 Peak # 4	A	95.75	1.92	0.12	176%			
Aroclor-1260 Peak # 5	A	47.86	0.96	0.09	164%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	40.07	1.000	0.8014	80	52-186	u
Decachlorobiphenyl (PCB)	A	42.14	1.000	0.8428	84	50-150	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc02_081022-010)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4588277	3991035	-13.02
1-bromo-2-nitrobenzene (PCB)	A	80982294	61709791	-23.80

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

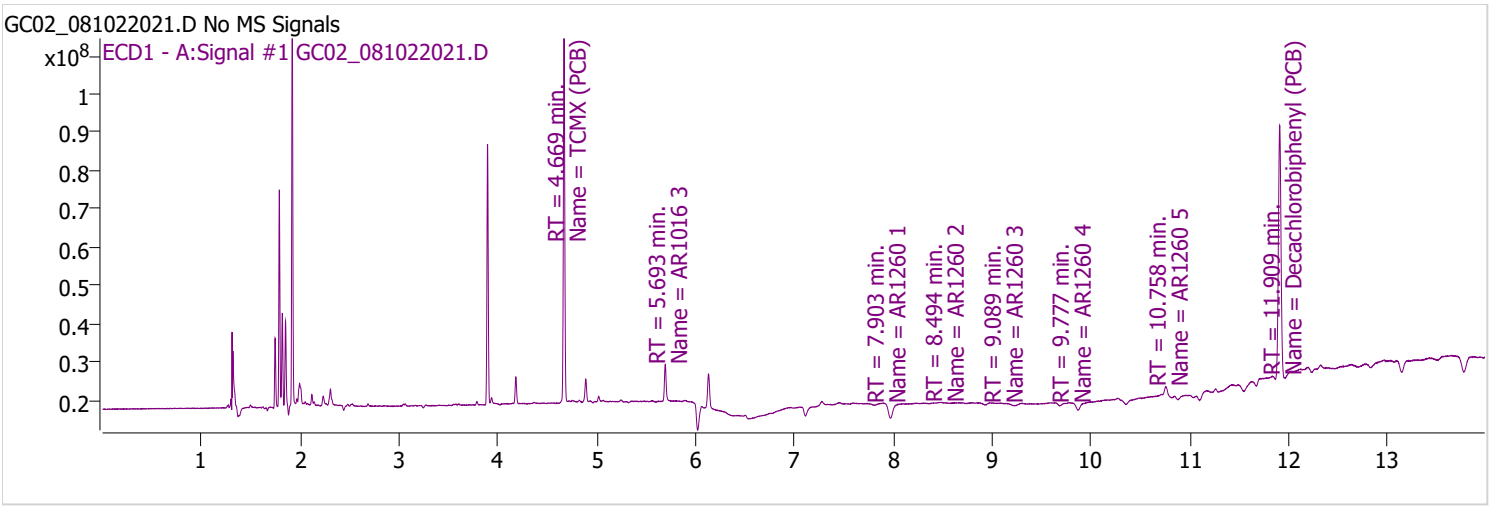
ISTD (CCV gc02_081022-010)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.09	4.09	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.90	3.90	0.00

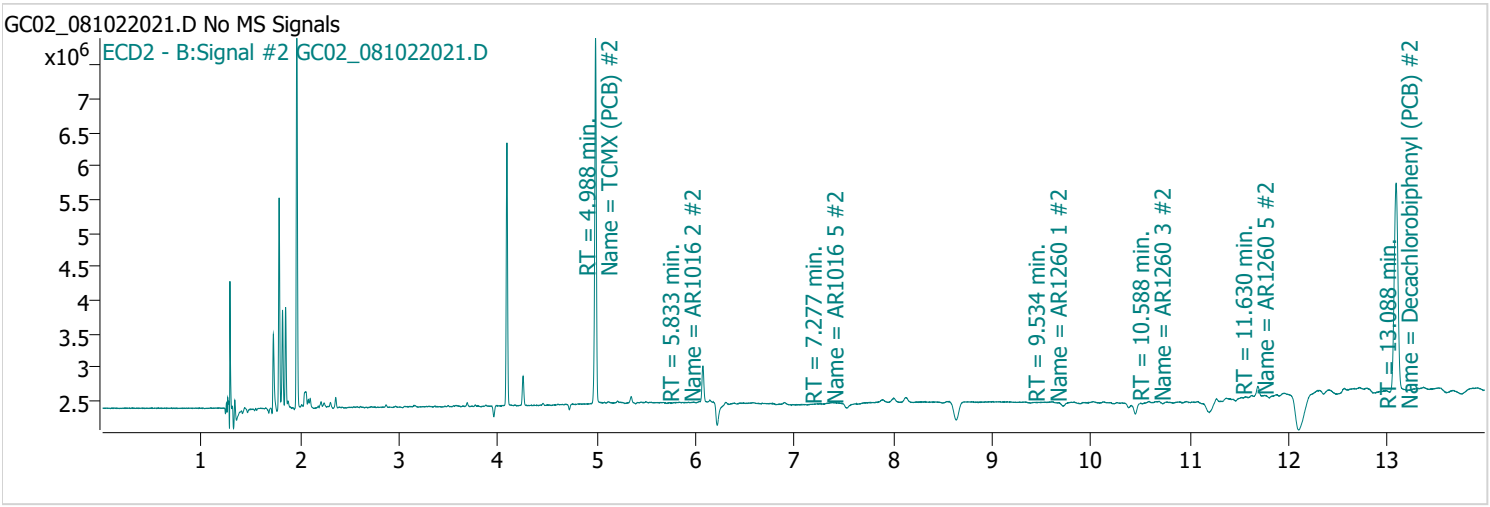
Analyst: TRN 08/12/22

Reviewer: SLL 08/16/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_081022021.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	8/10/2022 7:57:38 PM
Sample Name	467089-007, 294760, 1	Instrument	SVOA-GC02
Vial	7	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_7.m	Comment	WIPE/1DM2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	081022PCB.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



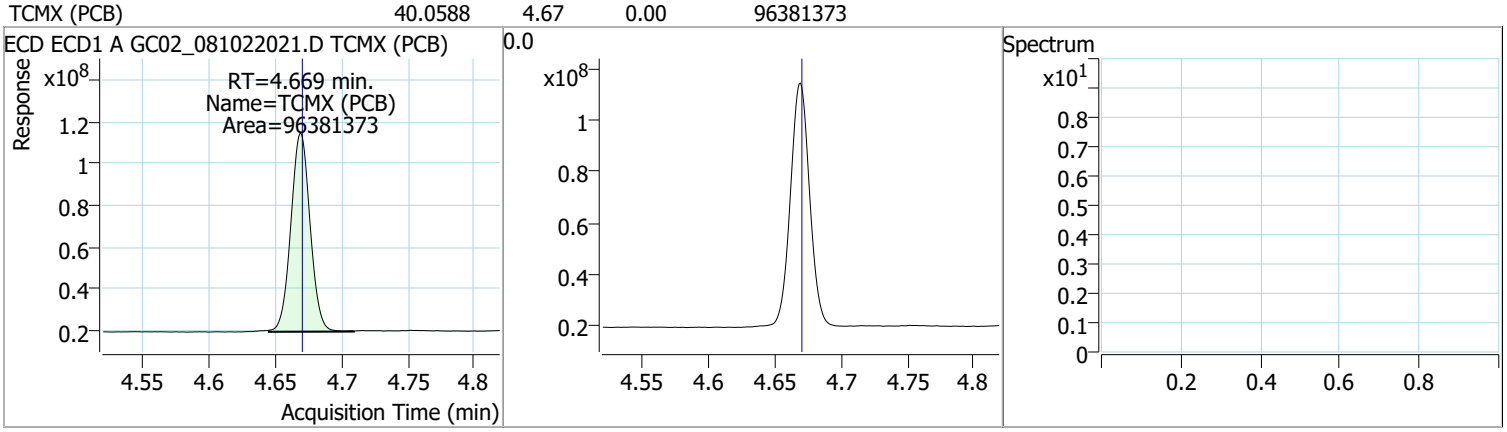


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.895	0.0	61709791.184	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.091	0.0	3991035.361	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.669	0.0	96381373.365	40.0588	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 200.29%		*	
S TCMX (PCB) #2	4.988	0.0	6319465.446	34.6536	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 173.27%		*	
S Decachlorobiphenyl (PCB)	11.909	0.0	121675410.325	42.1264	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 210.63%		*	
S Decachlorobiphenyl (PCB) #2	13.088	0.0	8317262.694	40.7961	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 203.98%		*	
Target Compounds							QValue

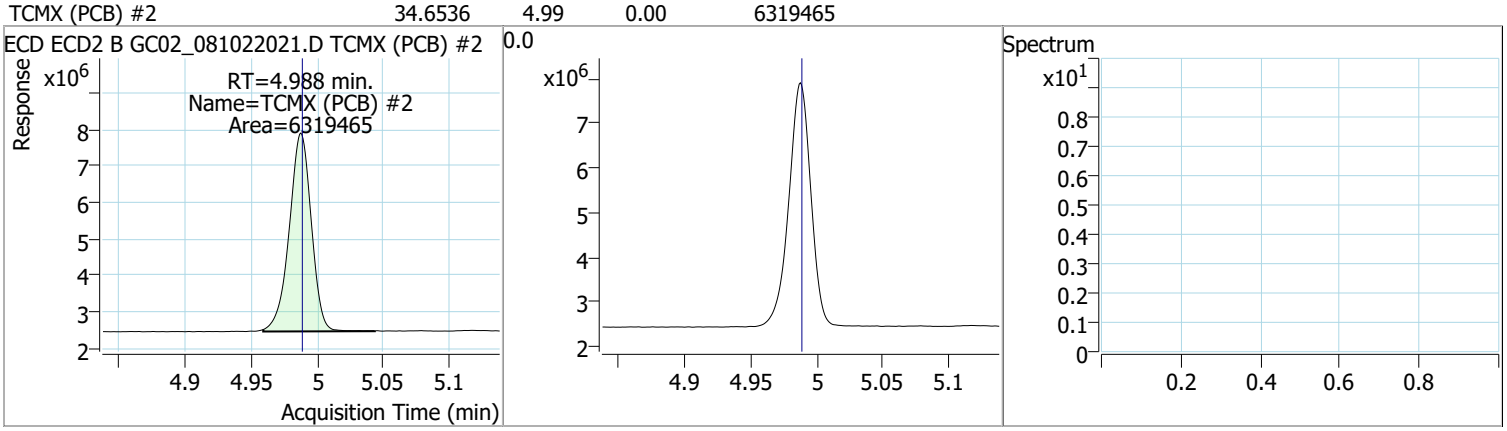
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.019	0.0	2033188.027	50.1921	ng/ml	100
T AR1016 2	5.298	0.0	378350.750	4.8380	ng/ml	100
T AR1016 1 #2	5.448	0.0	37277.129	9.9131	ng/ml	100
T AR1016 3	5.693	0.0	12689637.667	103.3167	ng/ml	100
T AR1016 2 #2	5.833	0.0	23634.106	3.0646	ng/ml	100
T AR1016 4	5.833	0.0	97129.225	1.3517	ng/ml	100
T AR1016 5	6.130	0.0	27341329.600	434.3287	ng/ml	100
T AR1016 3 #2	6.306	0.0	1942449.667	203.2902	ng/ml	100
T AR1016 4 #2	6.477	0.0	23671.089	3.5008	ng/ml	100
T AR1016 5 #2	7.277	0.0	4389.355	0.7975	ng/ml	100
T AR1260 1	7.903	0.0	17396689.135	137.5469	ng/ml	100
T AR1260 2	8.494	0.0	1819162.996	9.2795	ng/ml	100
T AR1260 3	9.089	0.0	2125846.073	9.1982	ng/ml	100
T AR1260 1 #2	9.534	0.0	25616.470	2.2630	ng/ml	100
T AR1260 4	9.777	0.0	10013426.205	95.7168	ng/ml	100
T AR1260 2 #2	9.928	0.0	29547.785	2.3855	ng/ml	100
T AR1260 3 #2	10.588	0.0	168229.511	10.2702	ng/ml	100
T AR1260 5	10.758	0.0	7280515.448	47.8493	ng/ml	100
T AR1260 4 #2	10.969	0.0	54787.337	5.9926	ng/ml	100
T AR1260 5 #2	11.630	0.0	61471.942	4.6851	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

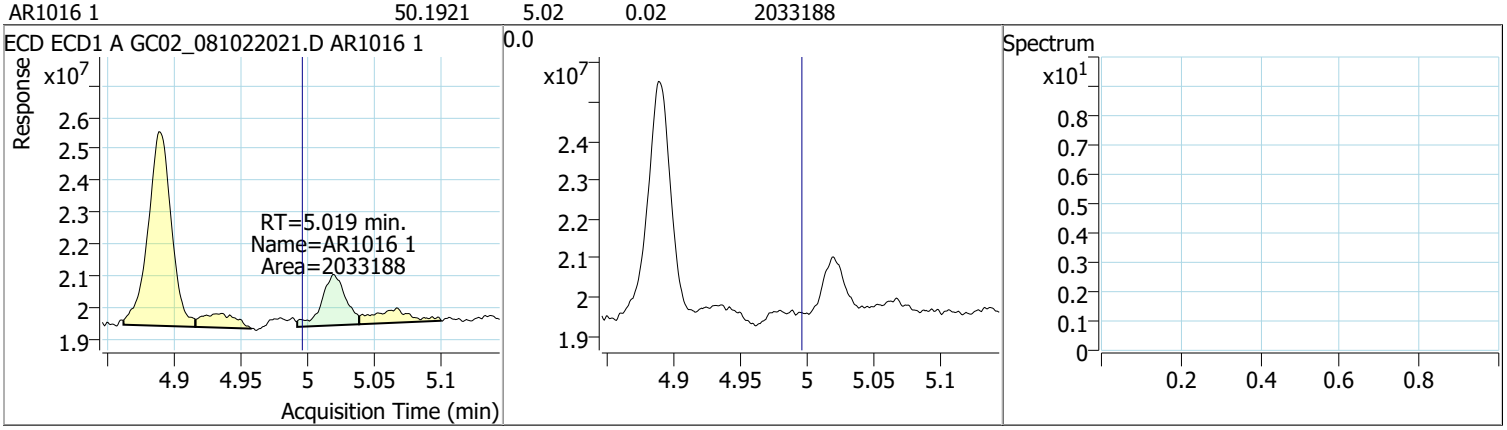
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	40.0588	4.67	0.00	96381373				



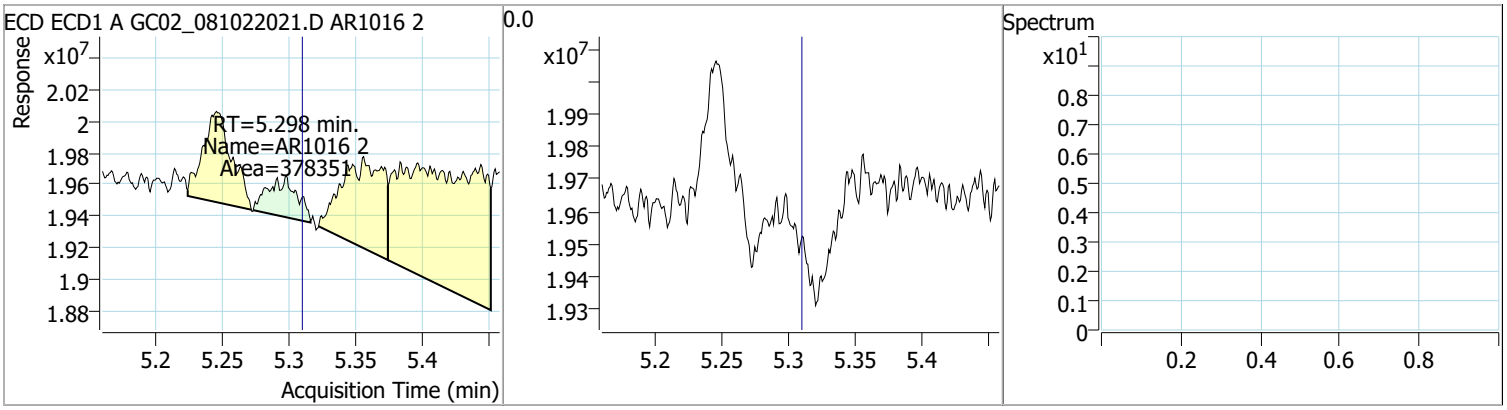
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	34.6536	4.99	0.00	6319465				



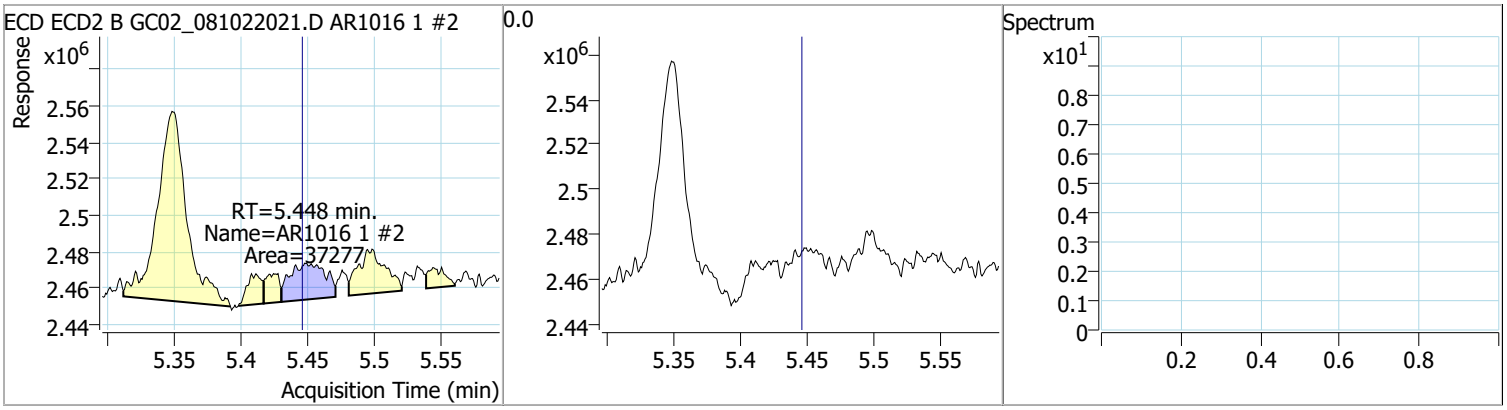
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	50.1921	5.02	0.02	2033188				



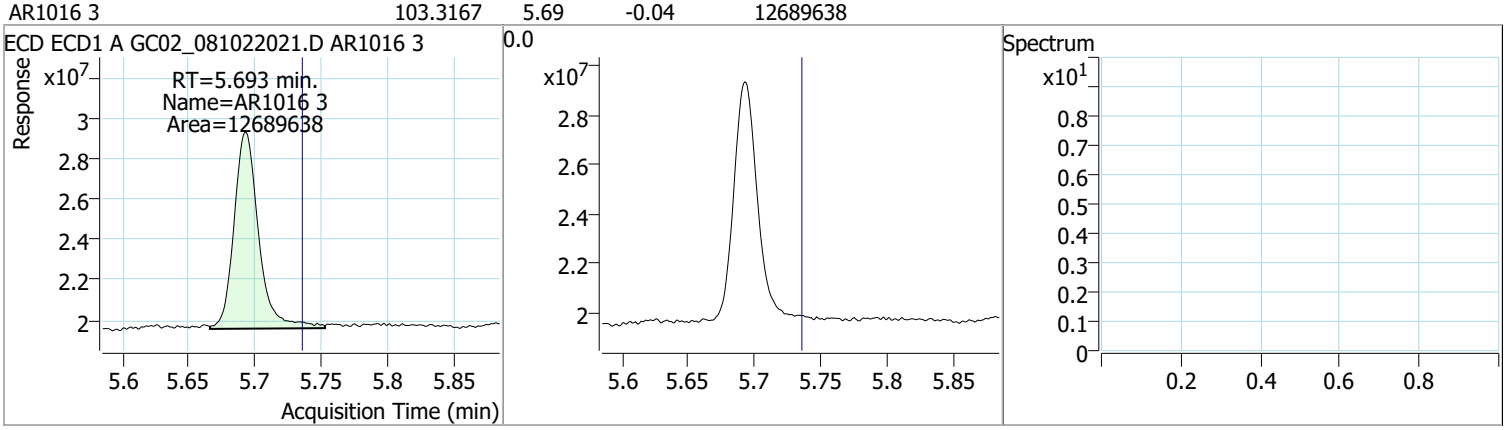
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	4.8380	5.30	-0.01	378351				



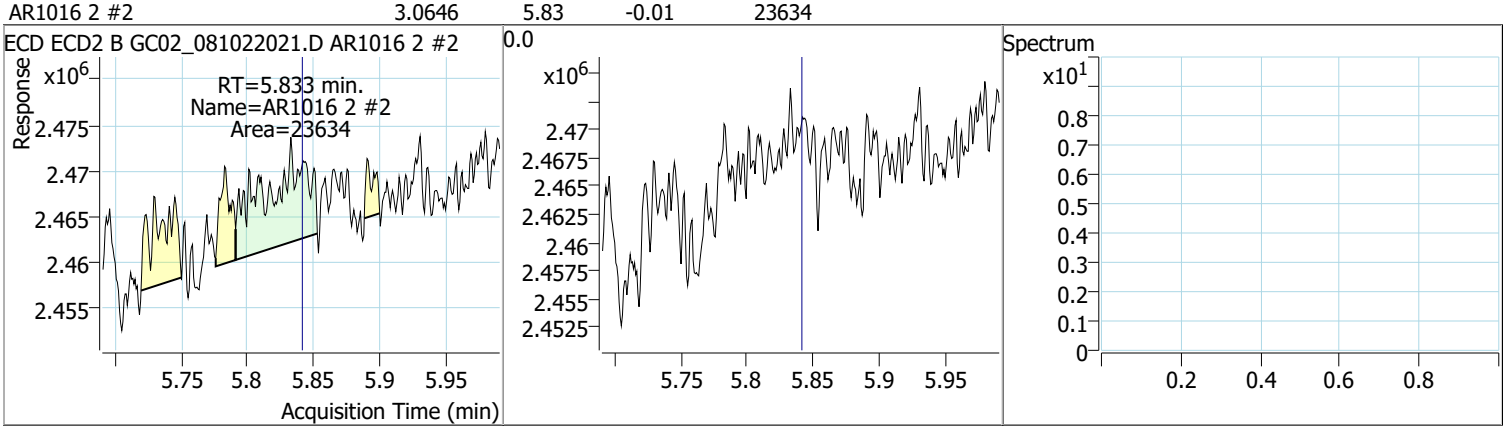
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	9.9131	5.45	0.00	37277				



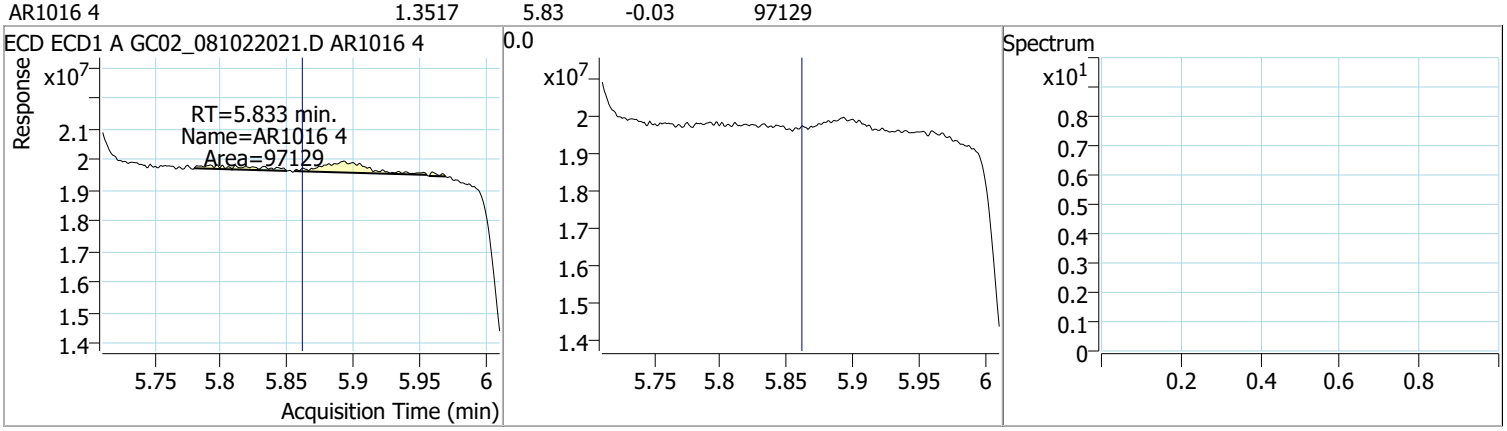
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	103.3167	5.69	-0.04	12689638				



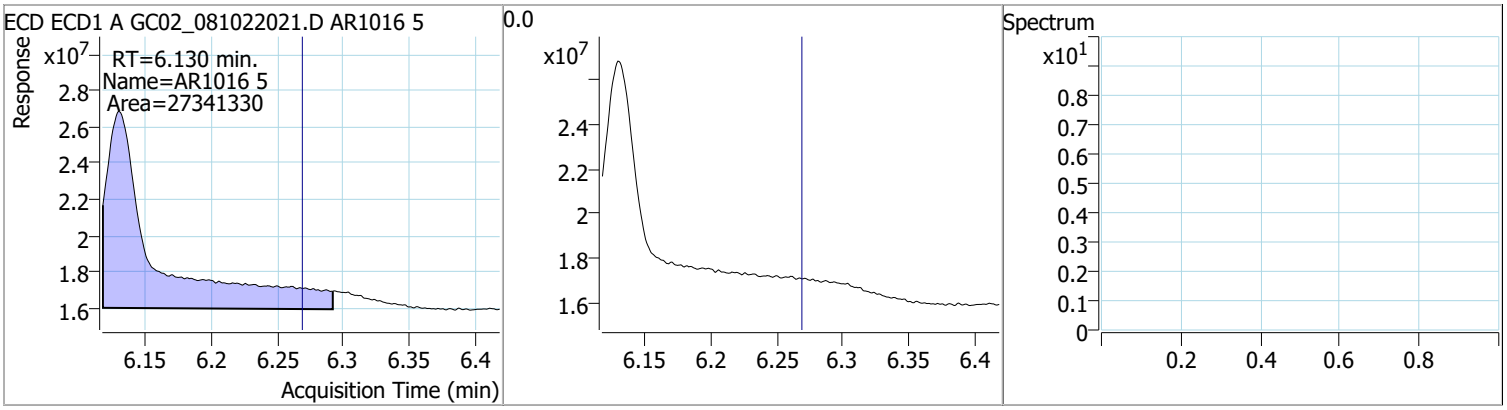
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	3.0646	5.83	-0.01	23634				



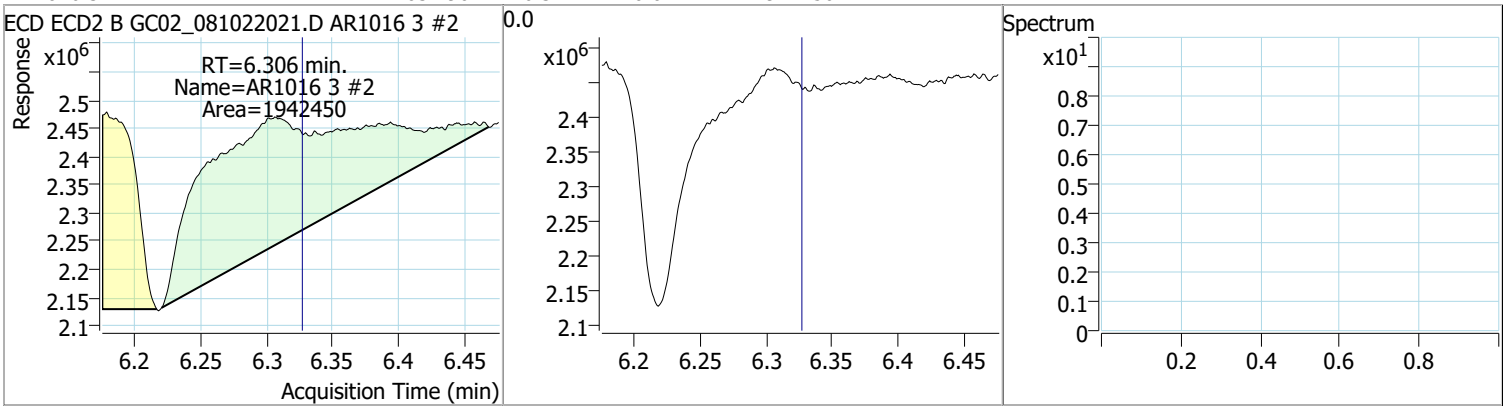
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1.3517	5.83	-0.03	97129				



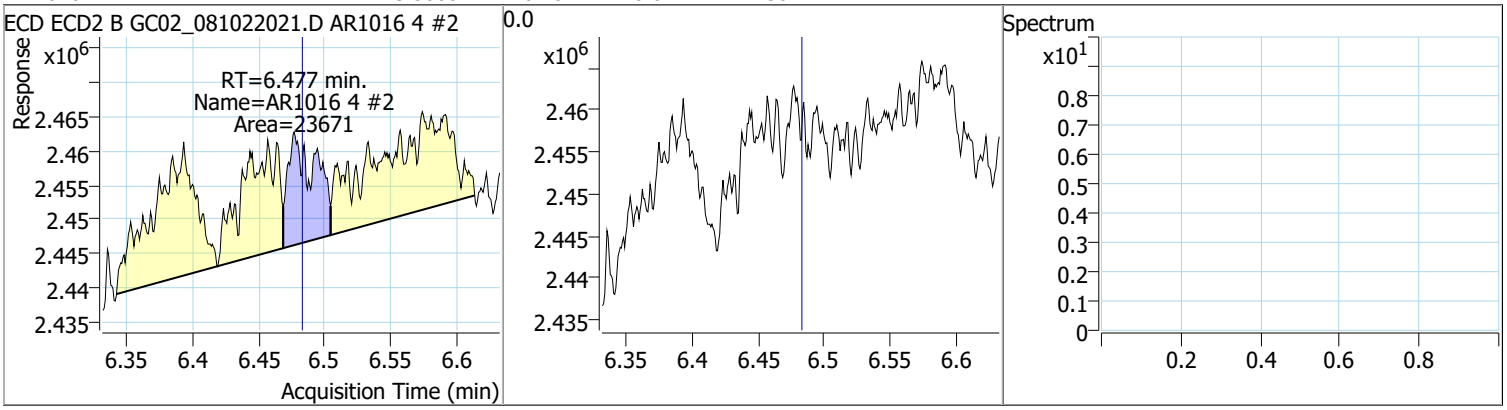
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	434.3287	6.13	-0.14	27341330				



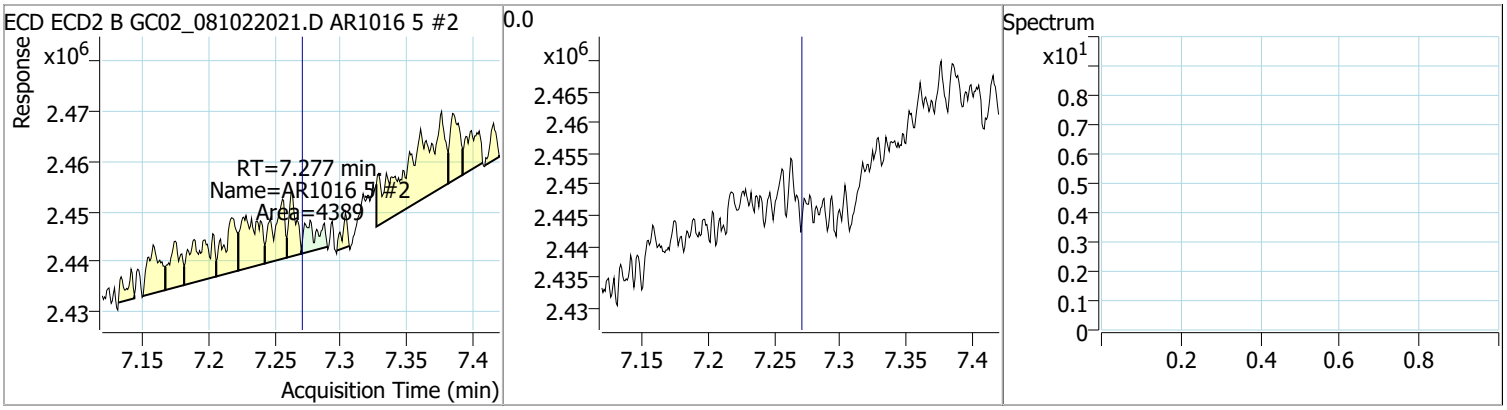
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	203.2902	6.31	-0.02	1942450				



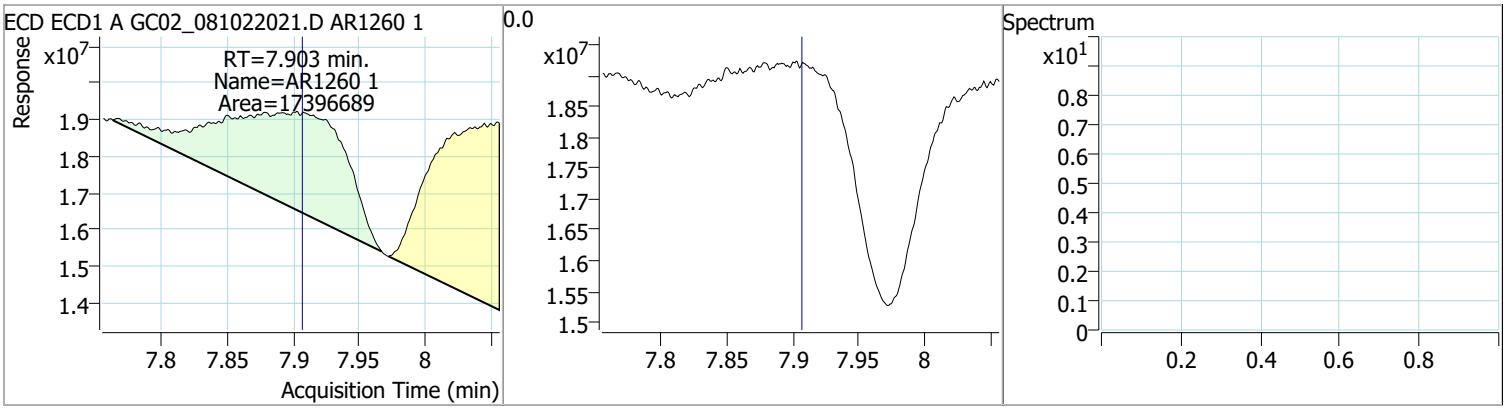
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	3.5008	6.48	-0.01	23671				



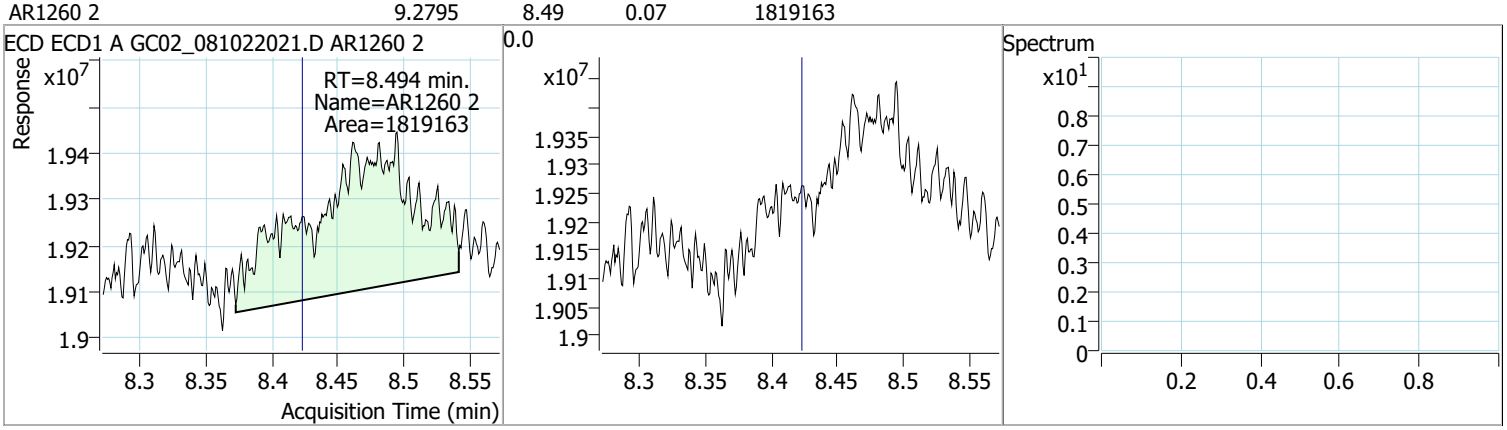
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.7975	7.28	0.01	4389				



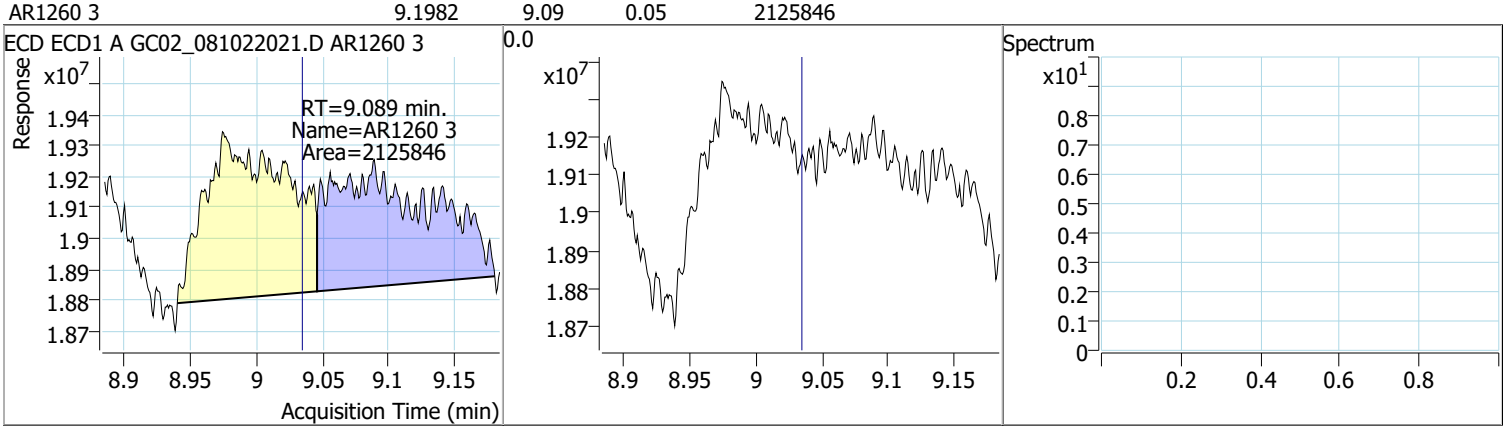
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	137.5469	7.90	0.00	17396689				



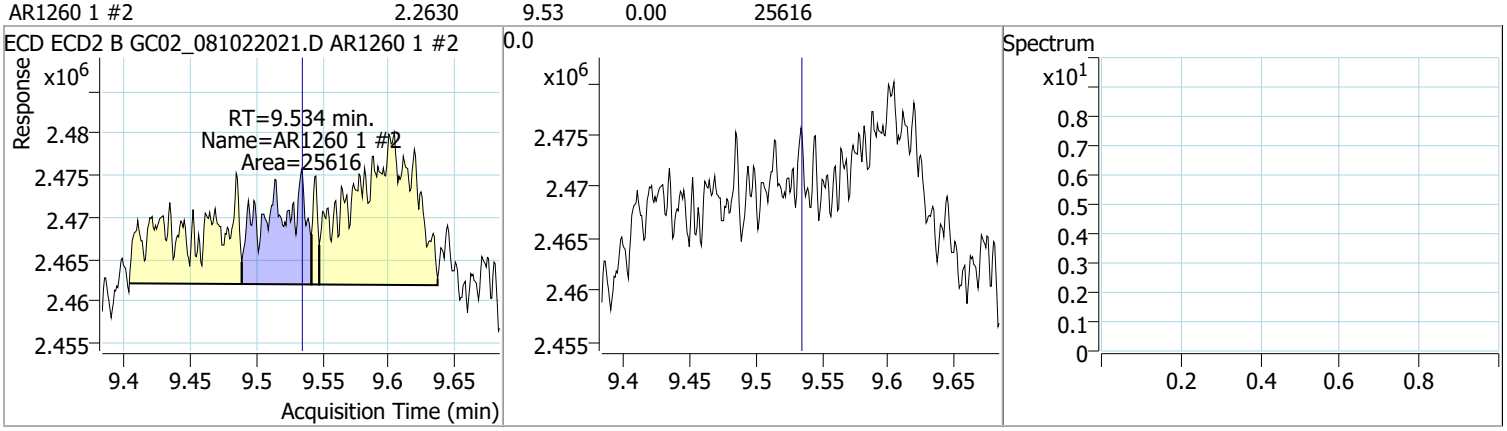
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	9.2795	8.49	0.07	1819163				



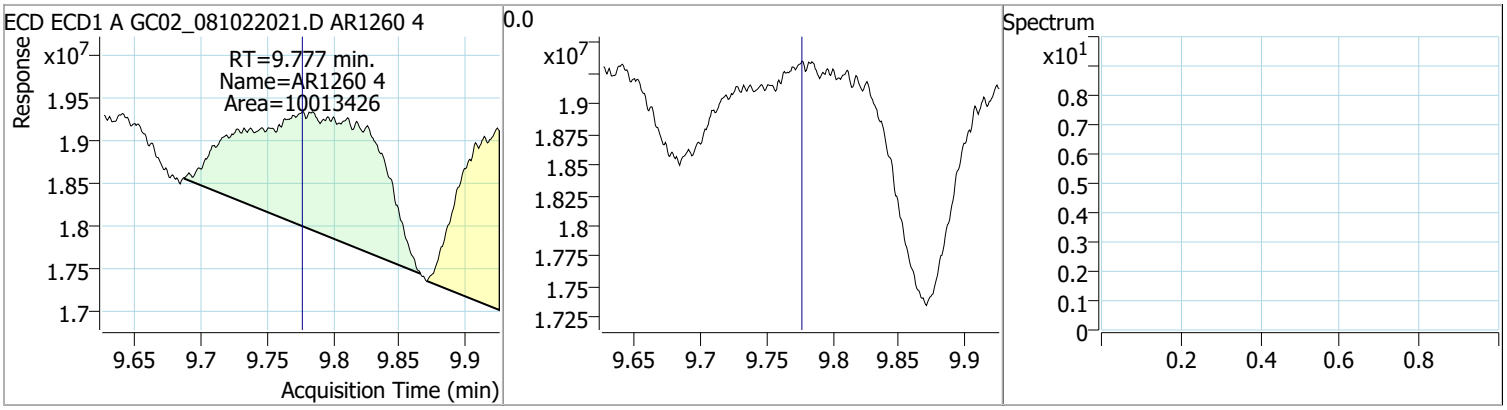
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	9.1982	9.09	0.05	2125846				



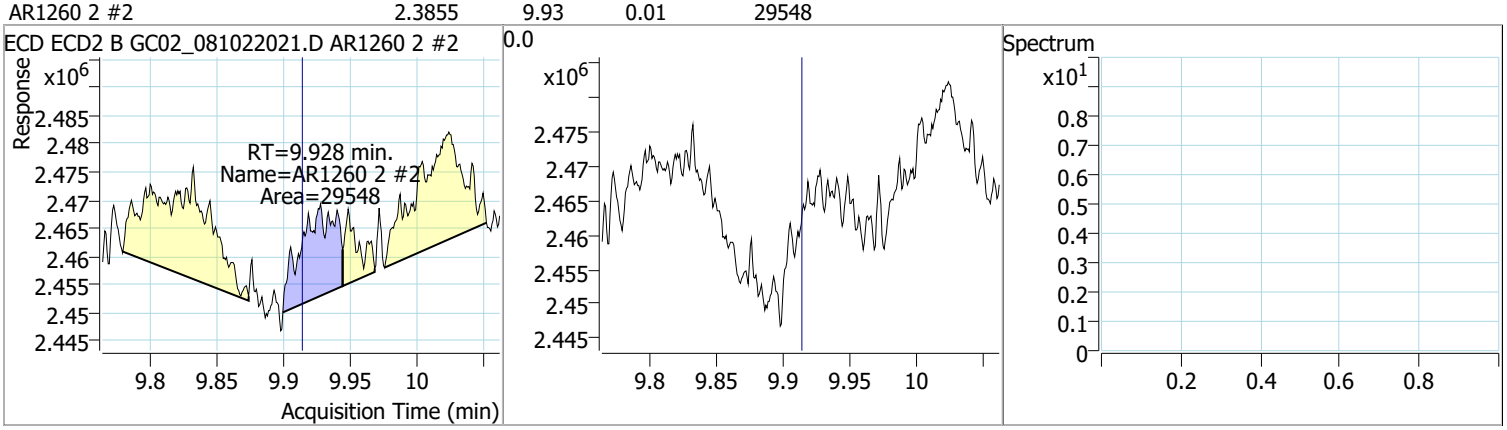
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	2.2630	9.53	0.00	25616				



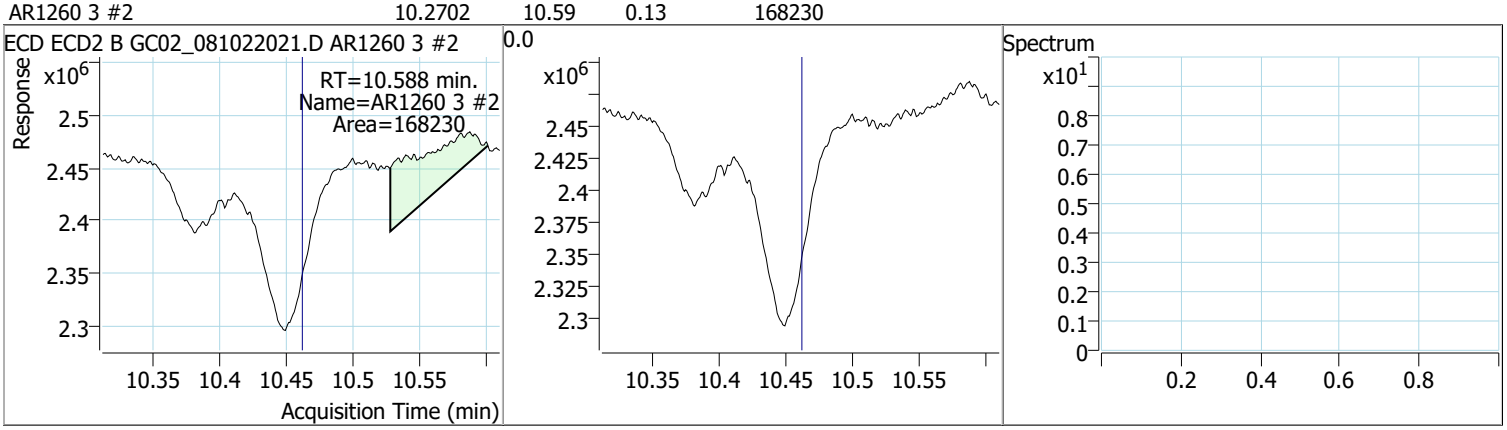
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	95.7168	9.78	0.00	10013426				



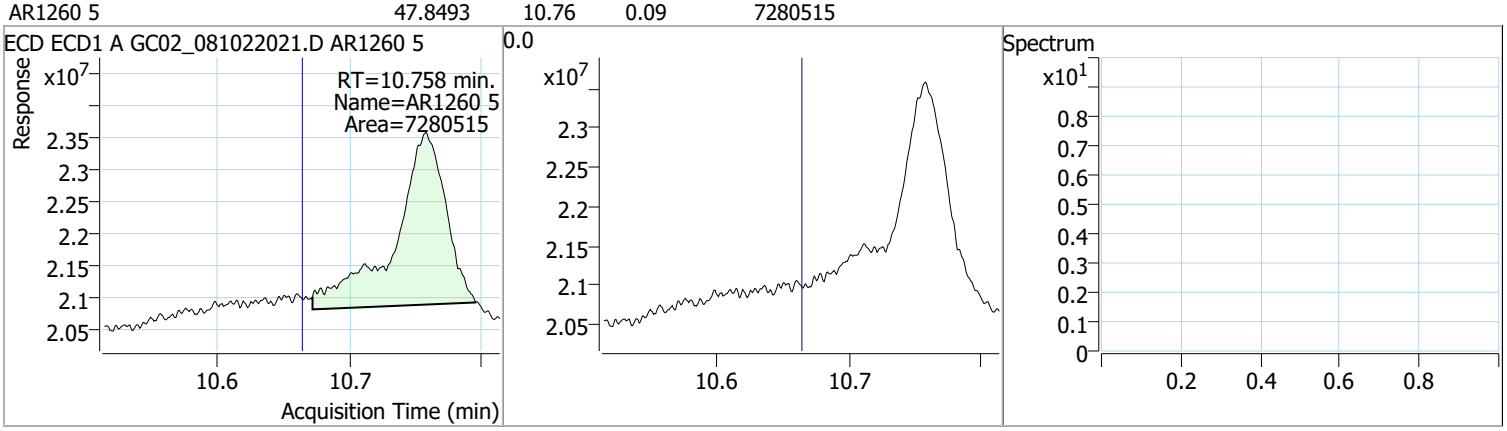
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	2.3855	9.93	0.01	29548				



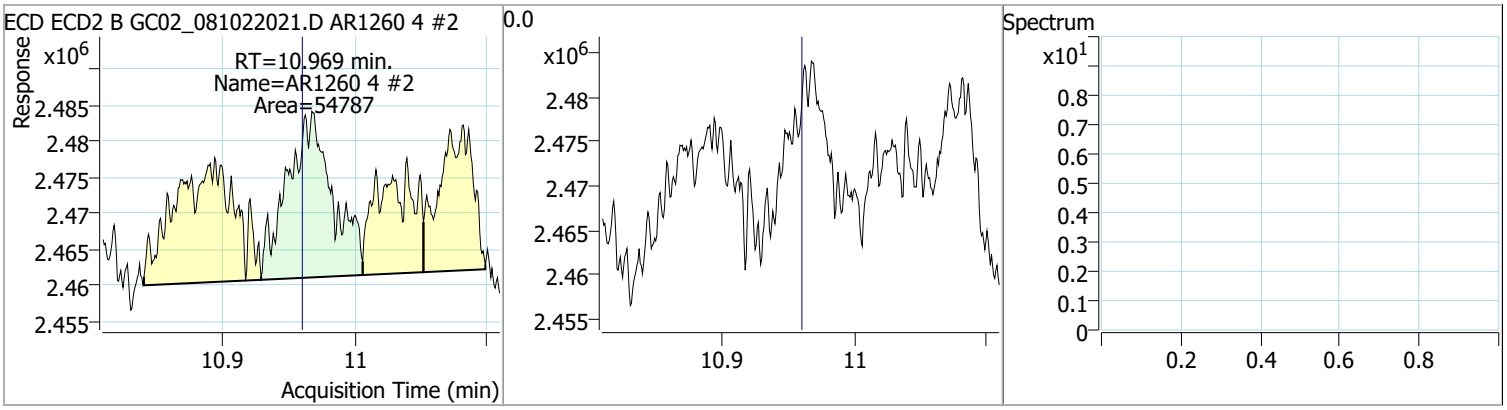
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	10.2702	10.59	0.13	168230				



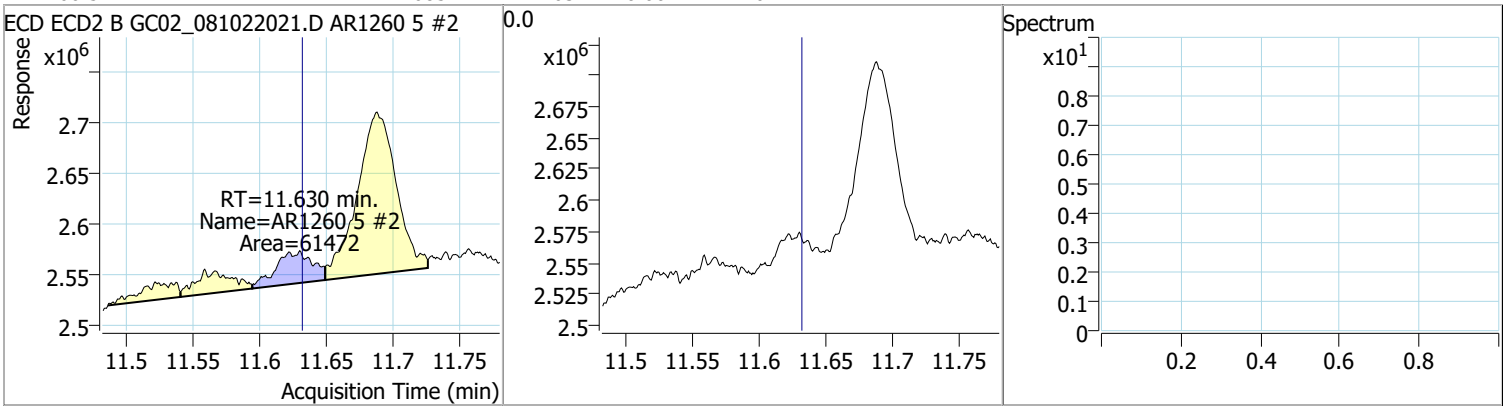
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	47.8493	10.76	0.09	7280515				



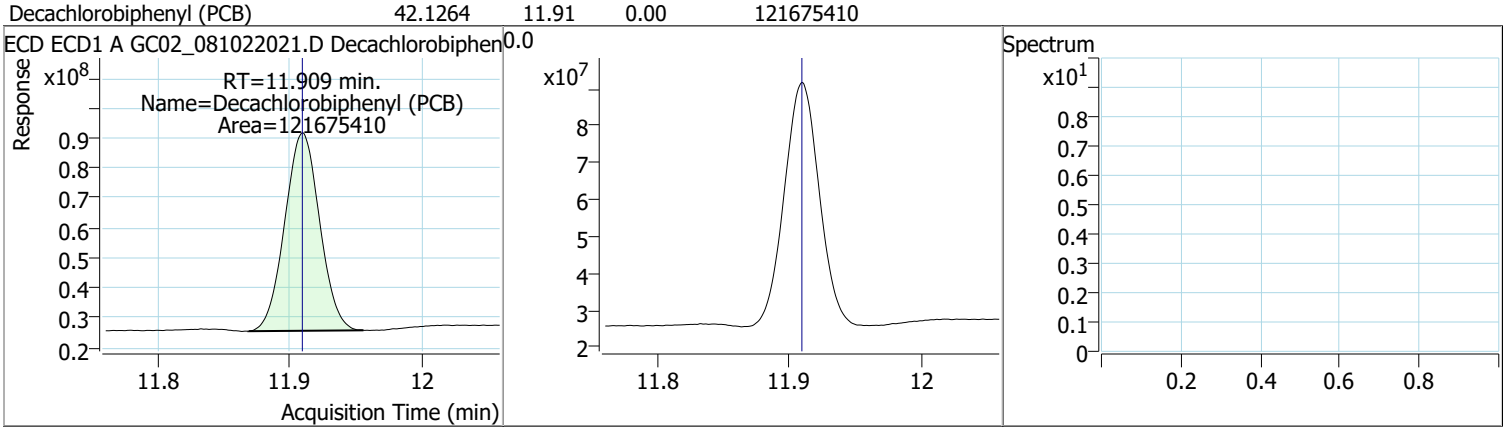
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	5.9926	10.97	0.01	54787				



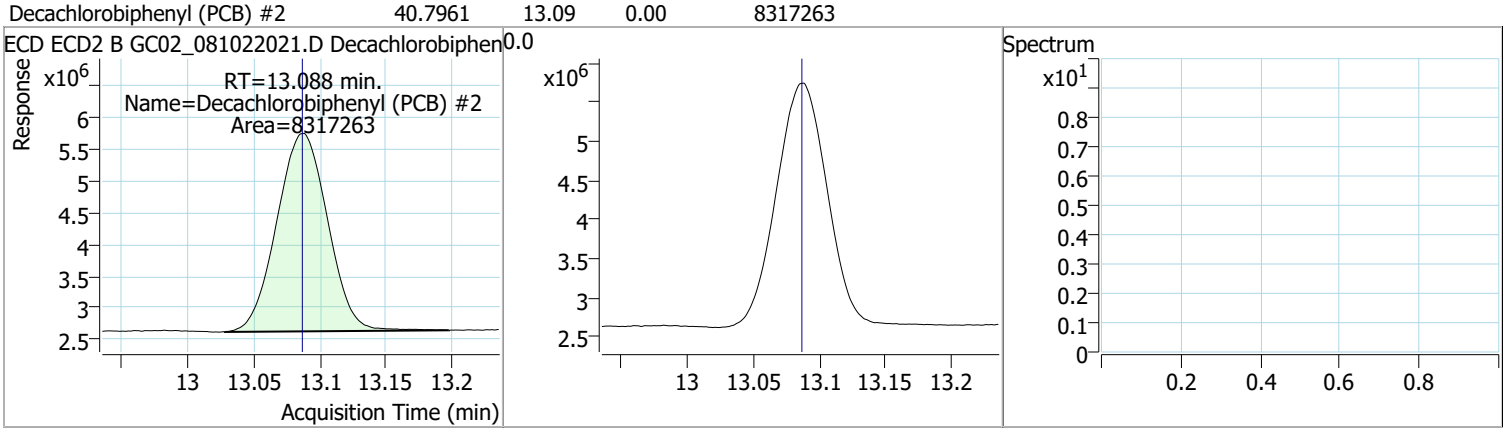
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	4.6851	11.63	0.00	61472				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	42.1264	11.91	0.00	121675410				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	40.7961	13.09	0.00	8317263				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC02	Lab ID:	467089-009	Client ID:	DOOR-N-0.9GE-DG-4 TO 17-220808-P-LA
Seqnum:	212320550022	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc02_081022-022	Batch:	294760	Time:	10-AUG-2022 20:15
Cal:	212298819002	Caldate:	27-JUL-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	82.73	~~1.7~~ FP	0.84	65%	1.0		x u
Aroclor-1016 Peak # 1	A	70.60	1.41	0.36	119%			
Aroclor-1016 Peak # 2	A	3.403	0.07	0.08	10%			
Aroclor-1016 Peak # 3	A	71.89	1.44	3.69	88%			
Aroclor-1016 Peak # 4	A	14.74	0.29	0.08	117%			
Aroclor-1016 Peak # 5	A	253.0	5.06	0.01	199%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	74.62	~~1.5~~ FP	0.19	156%	1.0		x u
Aroclor-1260 Peak # 1	A	140.3	2.81	0.24	169%			
Aroclor-1260 Peak # 2	A	1.515	0.03	0.07	84%			
Aroclor-1260 Peak # 3	A	1.295	0.03	0.22	157%			
Aroclor-1260 Peak # 4	A	103.9	2.08	0.16	171%			
Aroclor-1260 Peak # 5	A	126.1	2.52	0.24	165%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	48.85	1.000	0.9769	98	52-186	u
Decachlorobiphenyl (PCB)	A	46.31	1.000	0.9263	93	50-150	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc02_081022-010)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4588277	4578328	-0.22
1-bromo-2-nitrobenzene (PCB)	A	80982294	67077643	-17.17

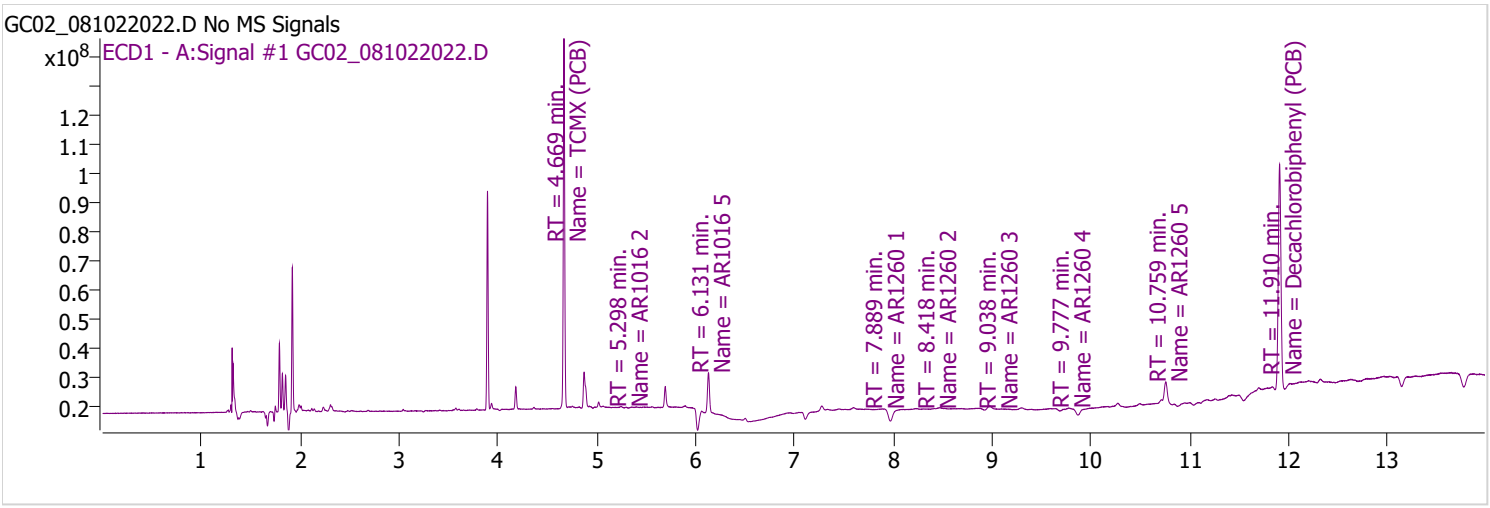
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

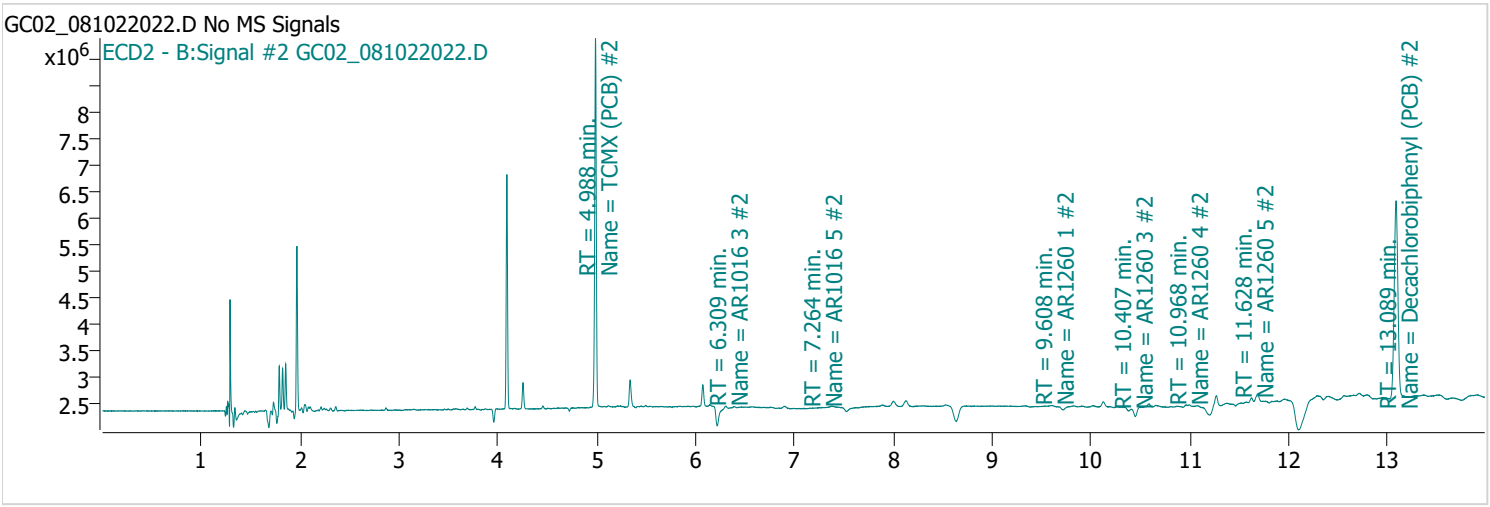
ISTD (CCV gc02_081022-010)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.09	4.09	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.90	3.90	0.00

Analyst: TRN 08/12/22 **Reviewer:** SLL 08/16/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_081022022.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	8/10/2022 8:15:28 PM
Sample Name	467089-009, 294760, 1	Instrument	SVOA-GC02
Vial	8	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_7.m	Comment	WIPE/1DM2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	081022PCB.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



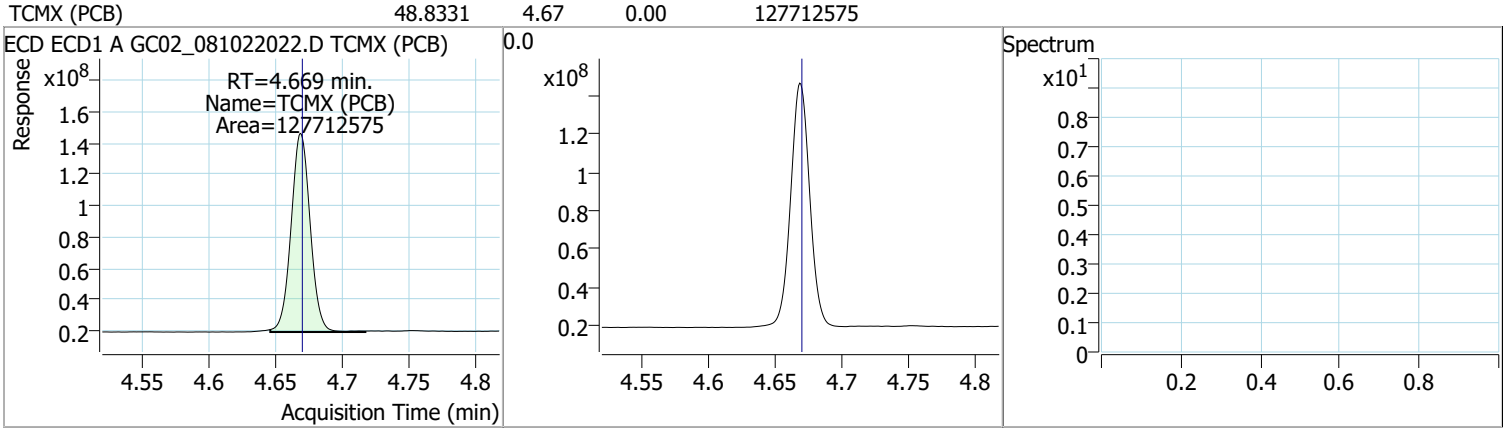


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.895	0.0	67077642.919	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.091	0.0	4578327.920	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.669	0.0	127712574.534	48.8331	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 244.17%		*	
S TCMX (PCB) #2	4.988	0.0	7908009.282	37.8019	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 189.01%		*	
S Decachlorobiphenyl (PCB)	11.910	0.0	145361410.190	46.2995	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 231.50%		*	
S Decachlorobiphenyl (PCB) #2	13.089	0.0	9719970.708	41.5606	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 207.80%		*	
Target Compounds							QValue

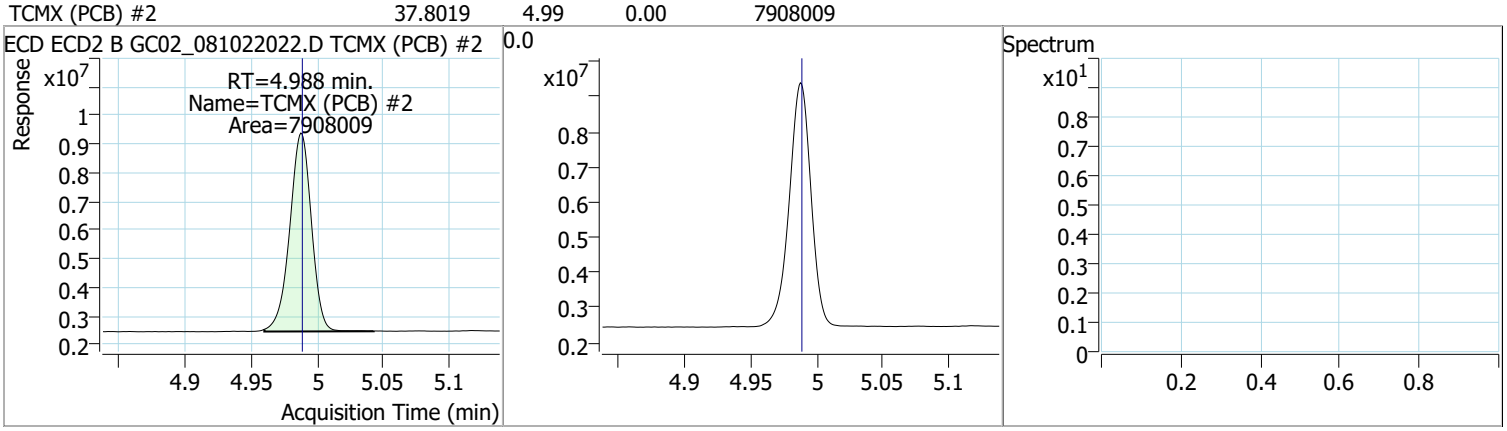
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.021	0.0	3107718.051	70.5790	ng/ml	100
T AR1016 2	5.298	0.0	289181.040	3.4019	ng/ml	100
T AR1016 1 #2	5.452	0.0	77230.709	17.9033	ng/ml	100
T AR1016 3	5.694	0.0	9597793.391	71.8901	ng/ml	100
T AR1016 2 #2	5.834	0.0	33210.640	3.7540	ng/ml	100
T AR1016 4	5.895	0.0	1151362.341	14.7403	ng/ml	100
T AR1016 5	6.131	0.0	17307718.661	252.9385	ng/ml	100
T AR1016 3 #2	6.309	0.0	2024168.539	184.6682	ng/ml	100
T AR1016 4 #2	6.462	0.0	29997.060	3.8673	ng/ml	100
T AR1016 5 #2	7.264	0.0	4550.320	0.7207	ng/ml	100
T AR1260 1	7.889	0.0	19279849.879	140.2375	ng/ml	100
T AR1260 2	8.418	0.0	322695.184	1.5143	ng/ml	100
T AR1260 3	9.038	0.0	325246.671	1.2947	ng/ml	100
T AR1260 1 #2	9.608	0.0	152893.133	11.7740	ng/ml	100
T AR1260 4	9.777	0.0	11816055.021	103.9092	ng/ml	100
T AR1260 2 #2	9.914	0.0	52884.010	3.7218	ng/ml	100
T AR1260 3 #2	10.407	0.0	204609.514	10.8889	ng/ml	100
T AR1260 5	10.759	0.0	20843367.160	126.0252	ng/ml	100
T AR1260 4 #2	10.968	0.0	83615.951	7.9727	ng/ml	100
T AR1260 5 #2	11.628	0.0	181769.152	12.0764	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

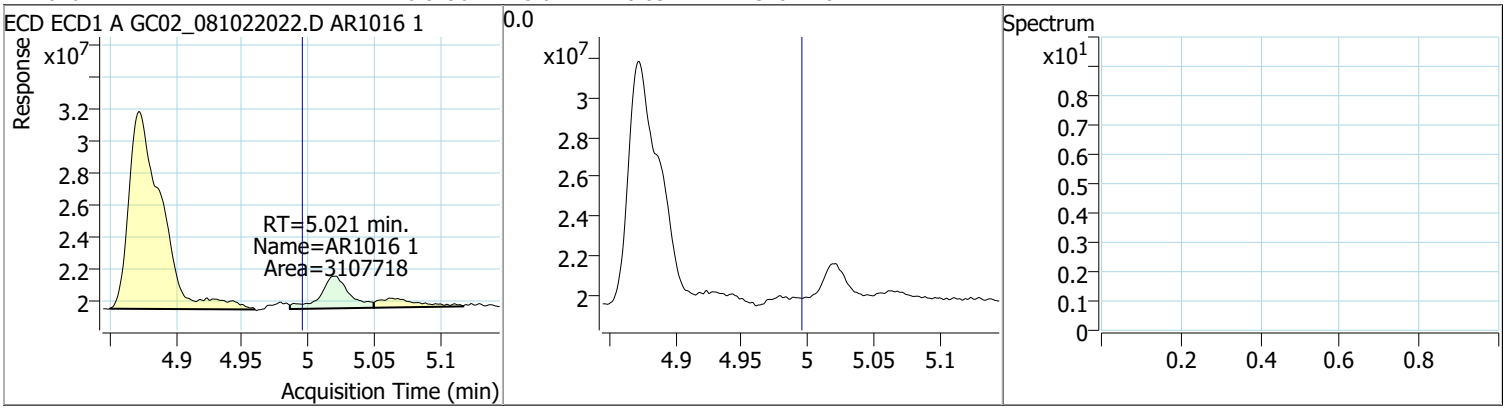
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	48.8331	4.67	0.00	127712575				



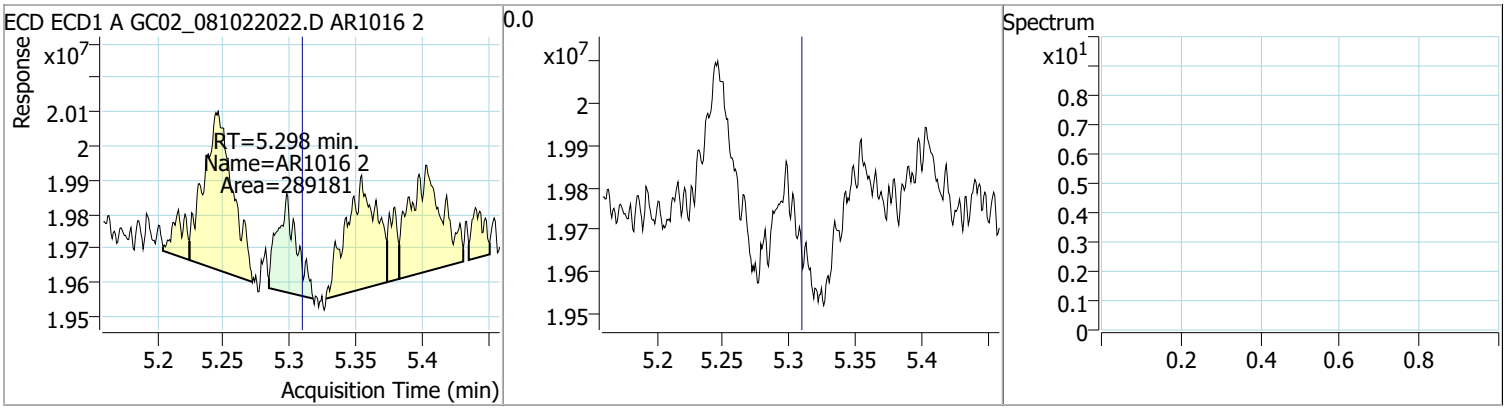
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.8019	4.99	0.00	7908009				



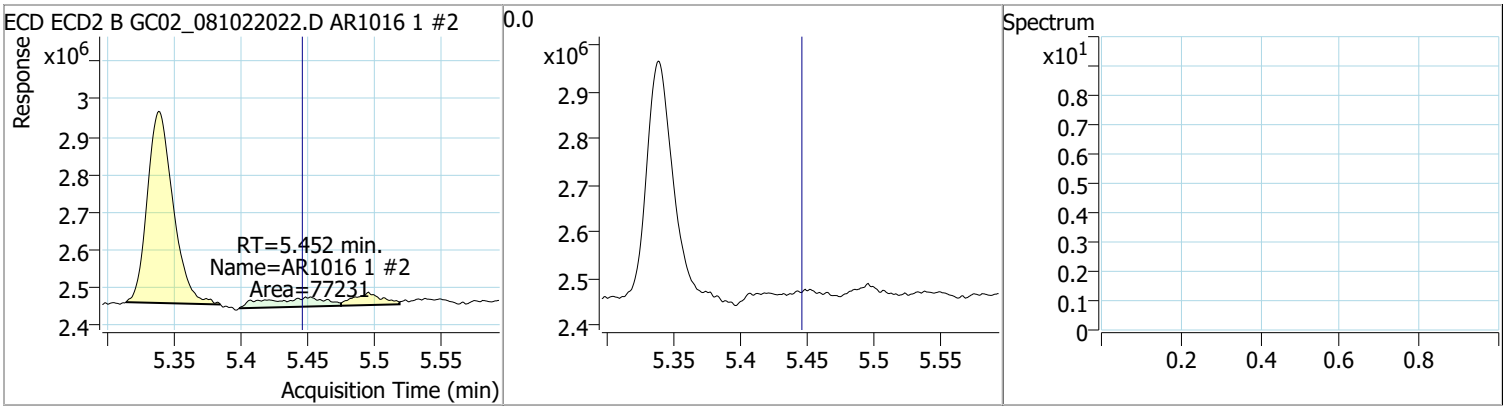
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	70.5790	5.02	0.03	3107718				



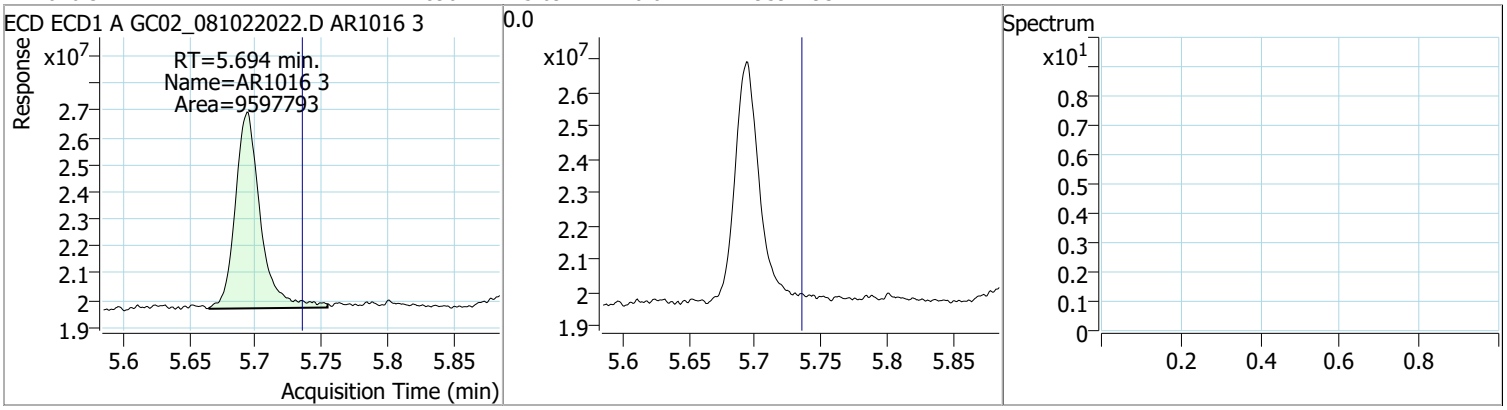
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	3.4019	5.30	-0.01	289181				



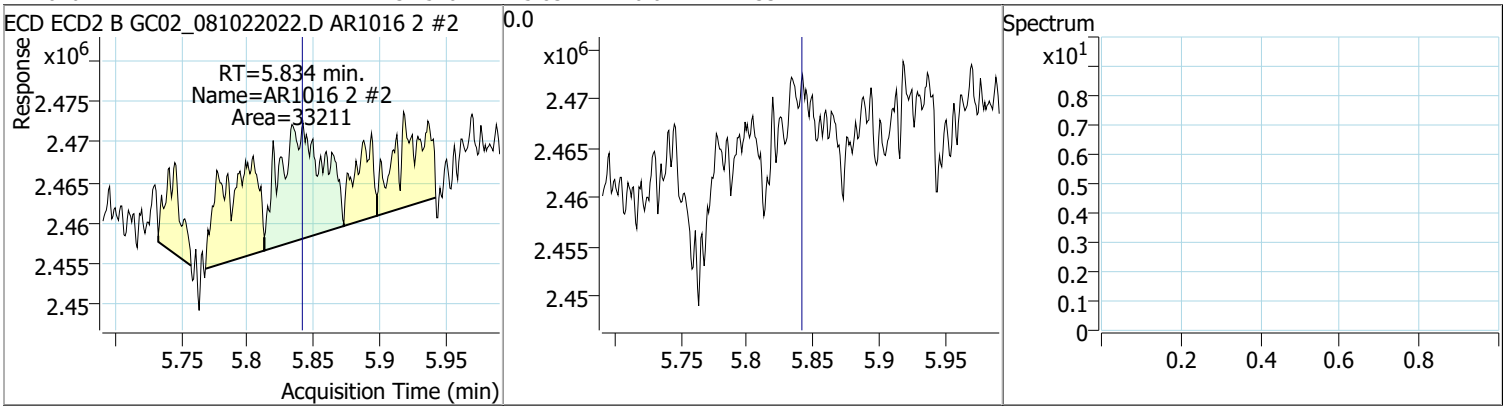
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	17.9033	5.45	0.01	77231				



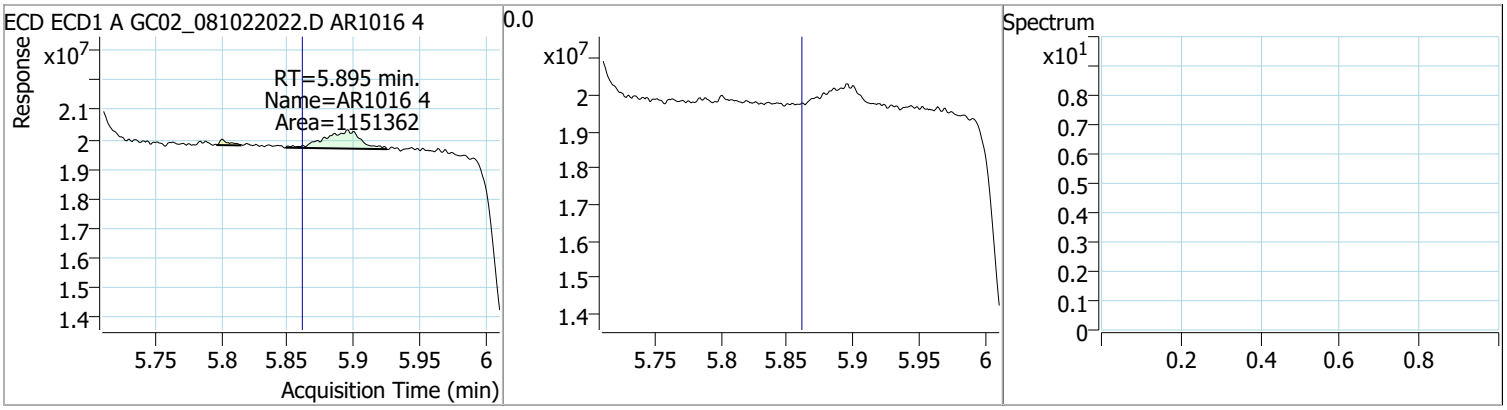
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	71.8901	5.69	-0.04	9597793				



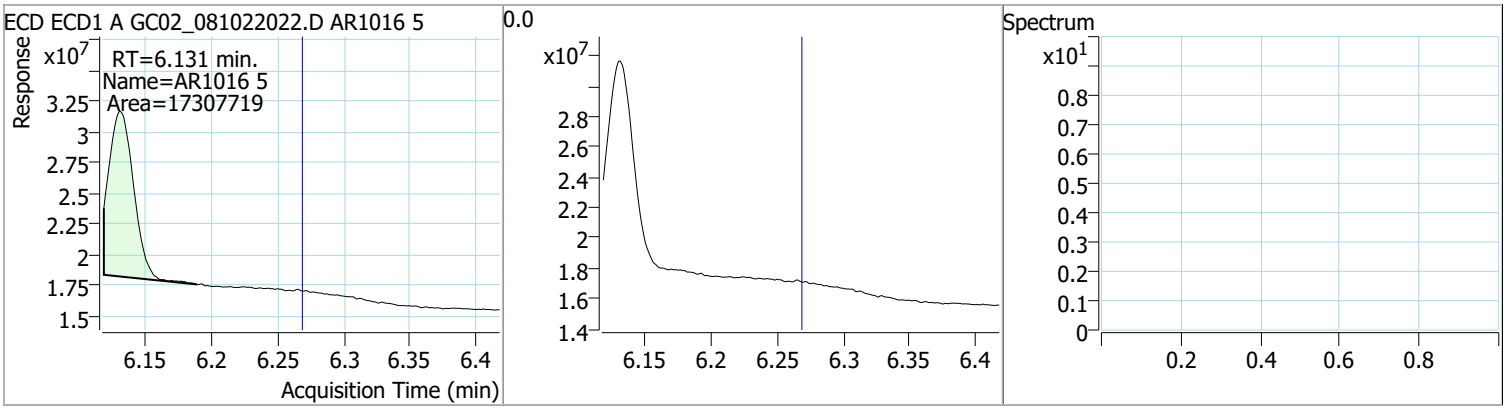
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	3.7540	5.83	-0.01	33211				



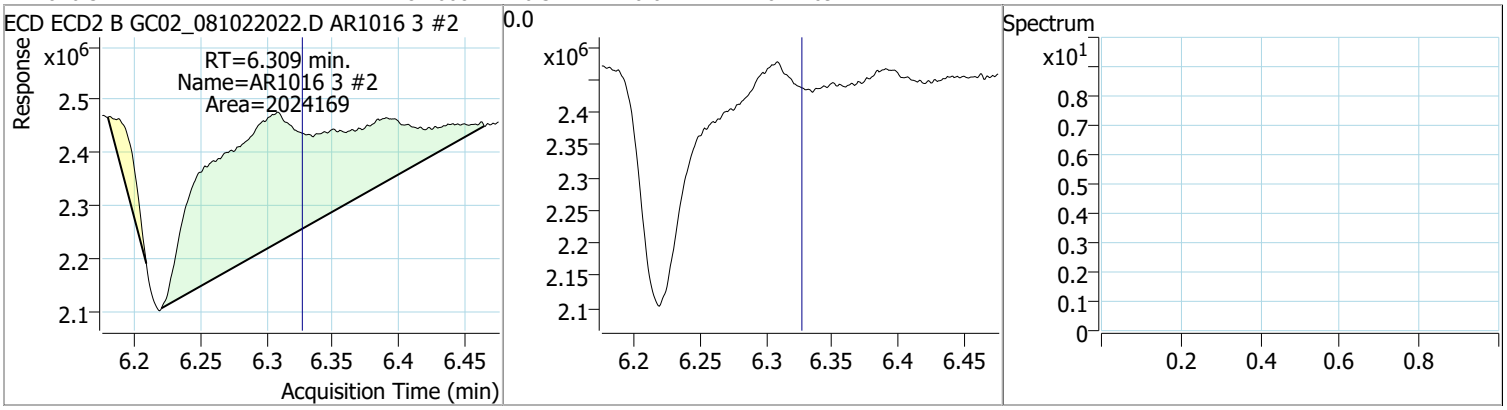
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	14.7403	5.90	0.03	1151362				



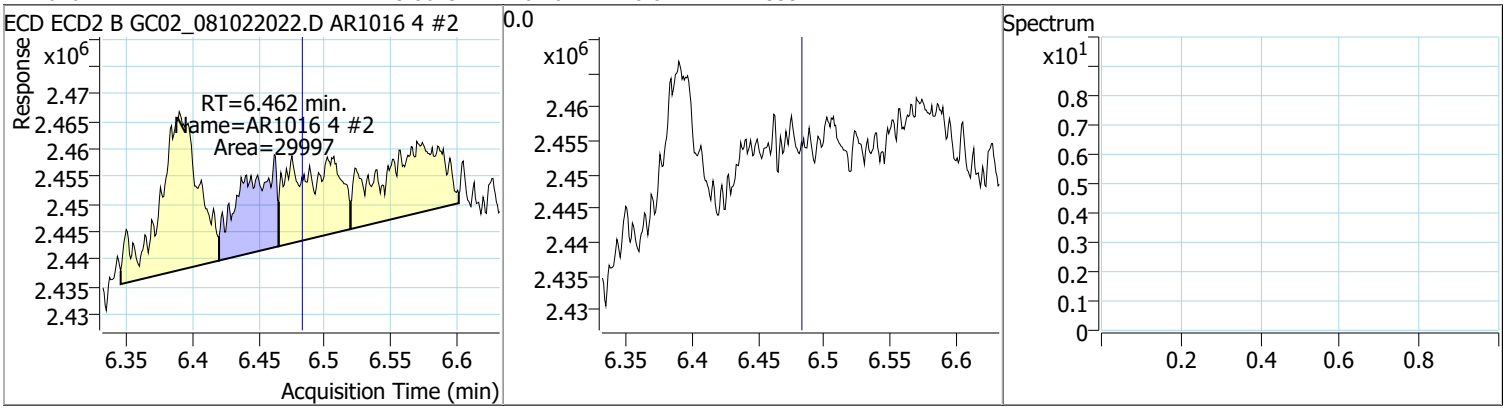
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	252.9385	6.13	-0.14	17307719				



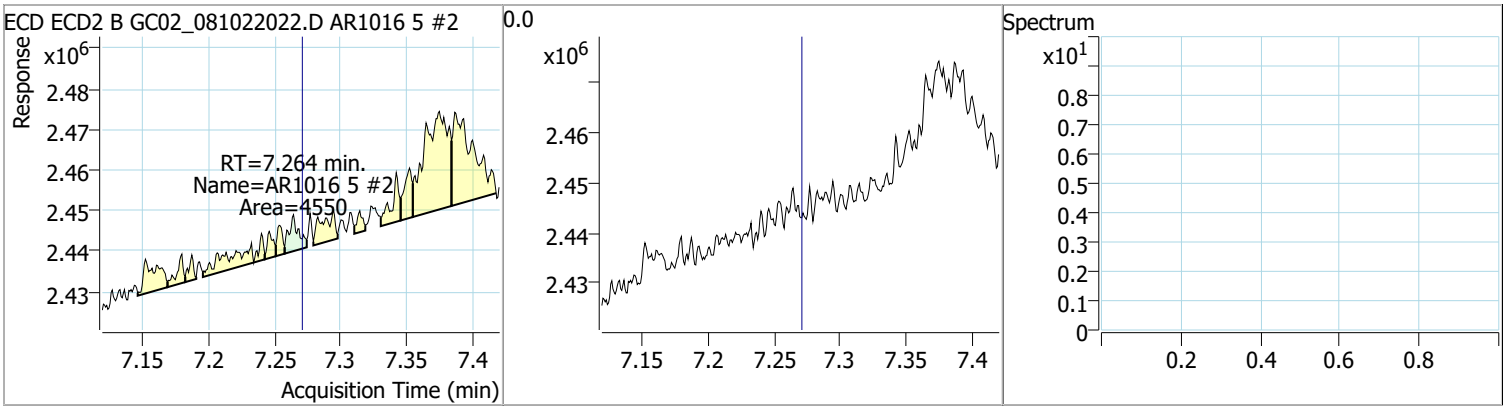
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	184.6682	6.31	-0.02	2024169				



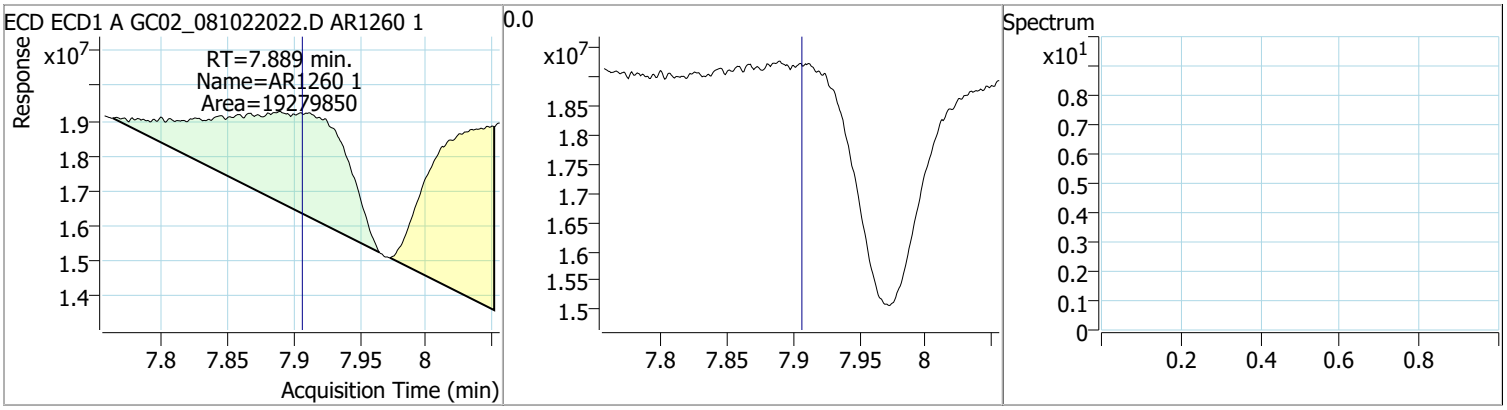
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	3.8673	6.46	-0.02	29997				



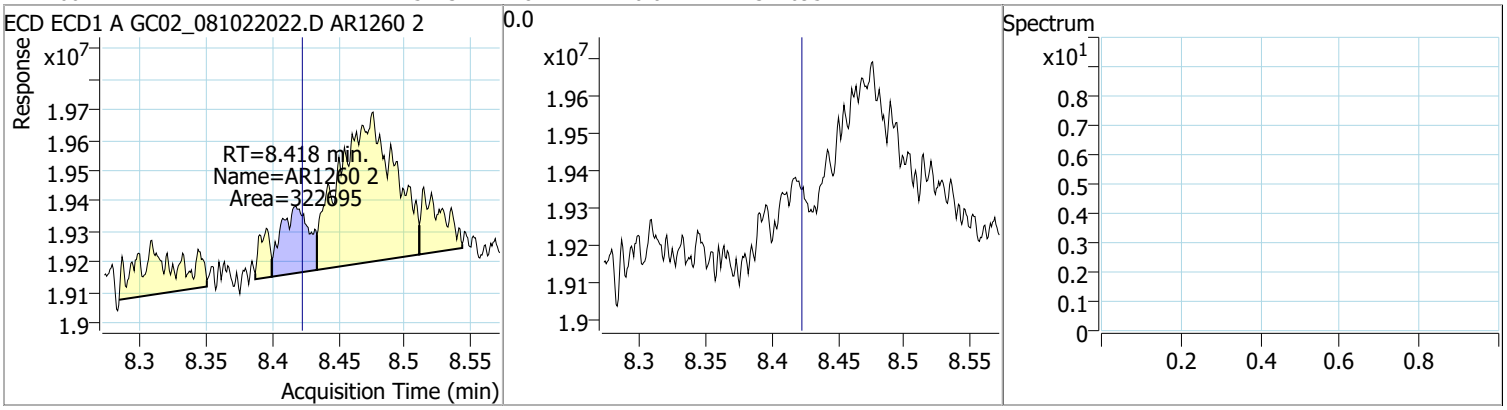
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.7207	7.26	-0.01	4550				



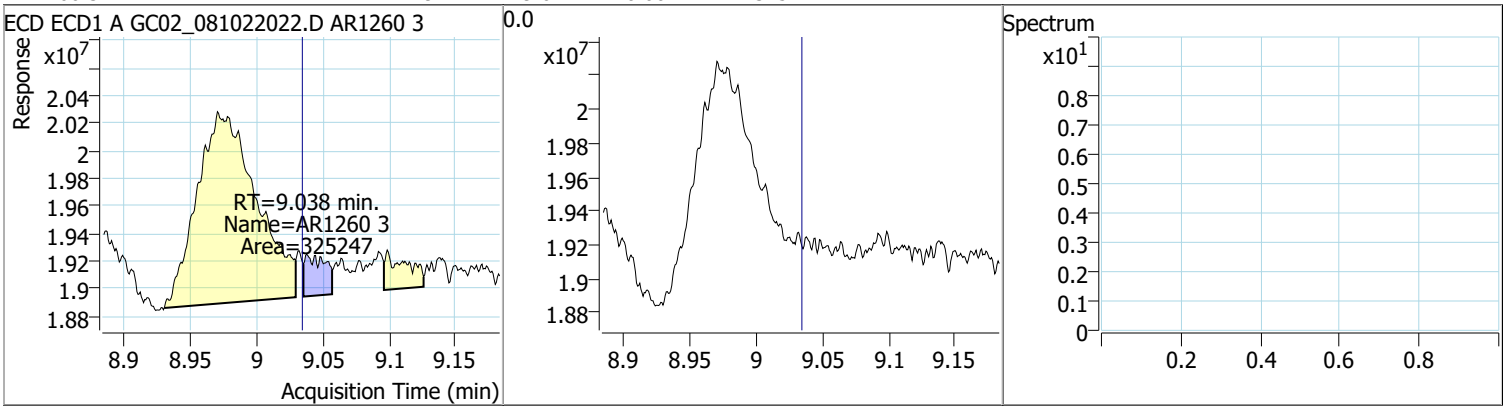
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	140.2375	7.89	-0.02	19279850				



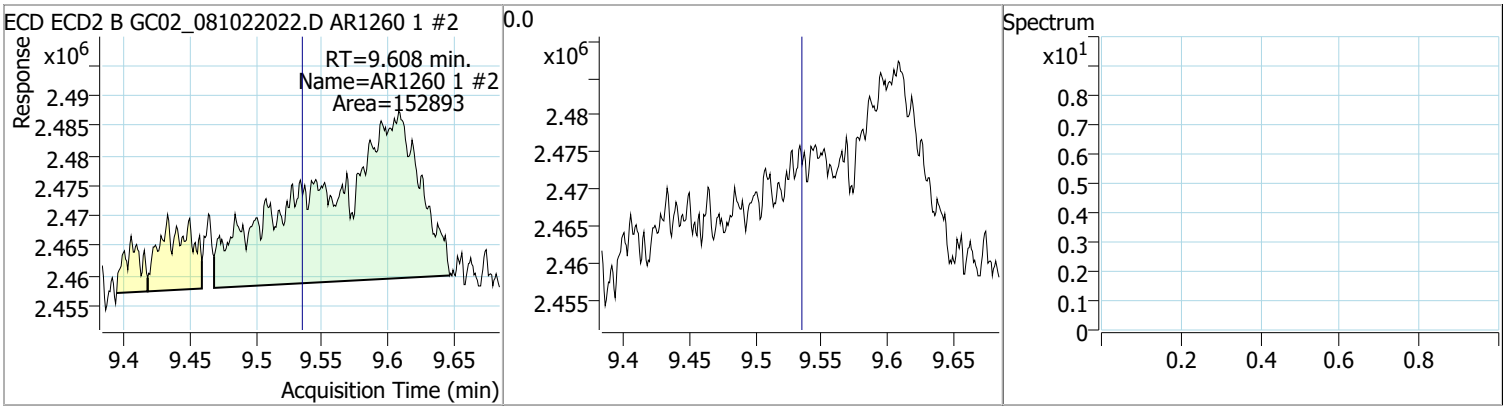
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.5143	8.42	-0.01	322695				



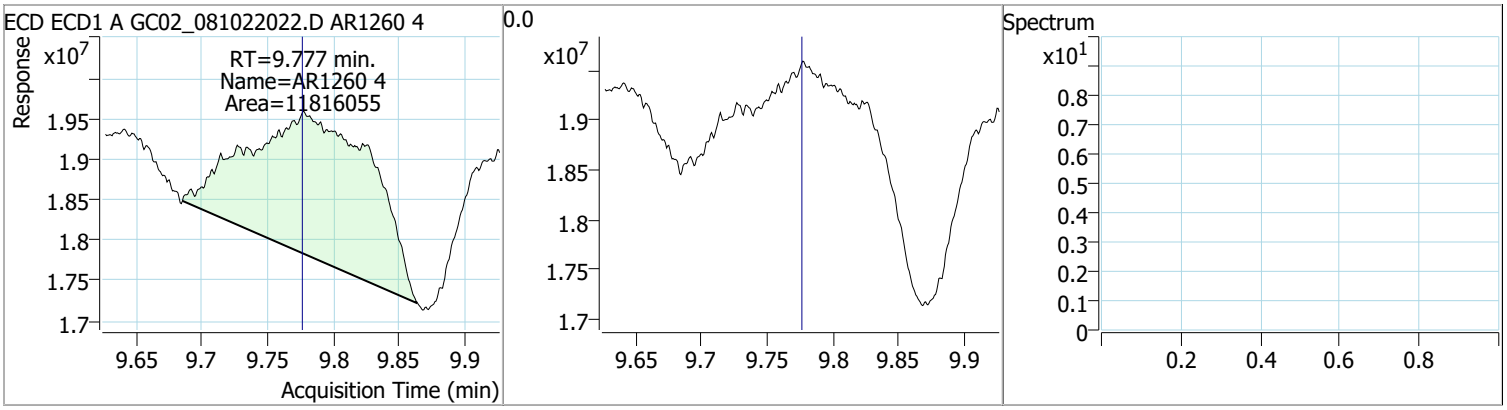
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1.2947	9.04	0.00	325247				



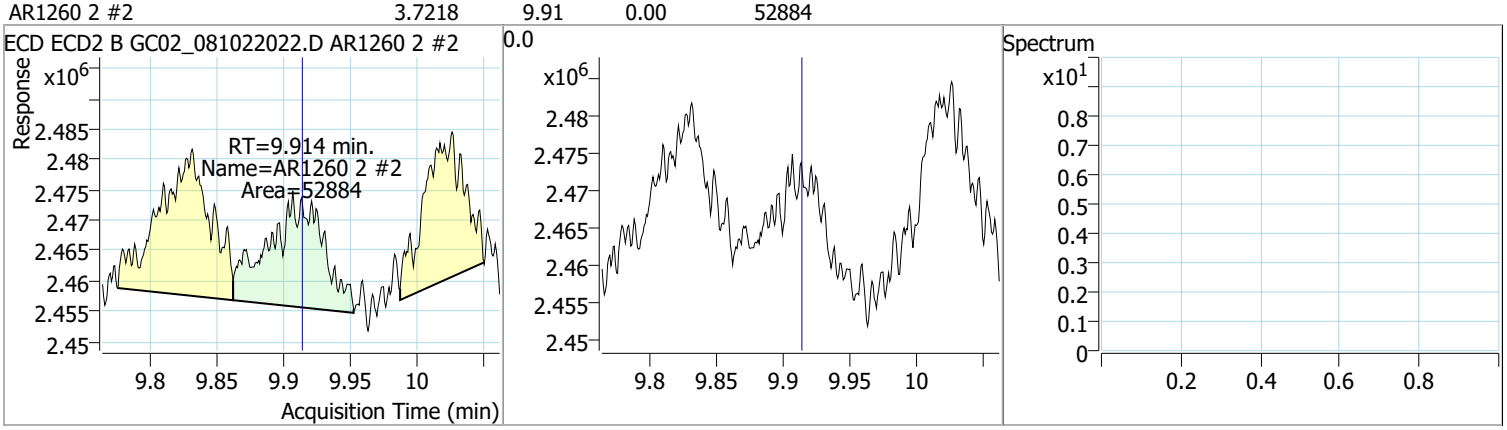
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	11.7740	9.61	0.07	152893				



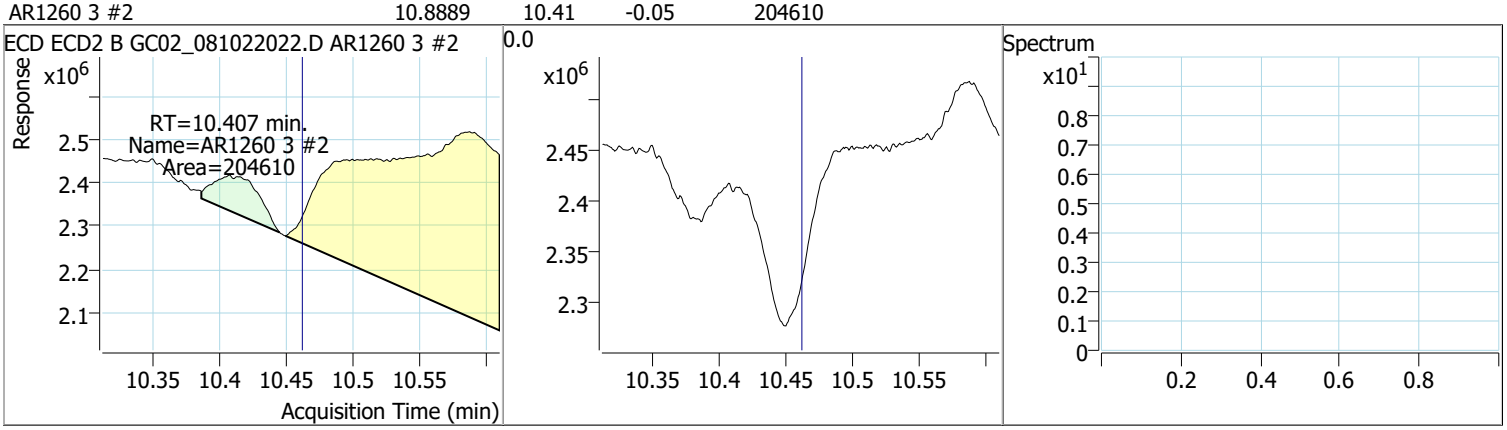
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	103.9092	9.78	0.00	11816055				



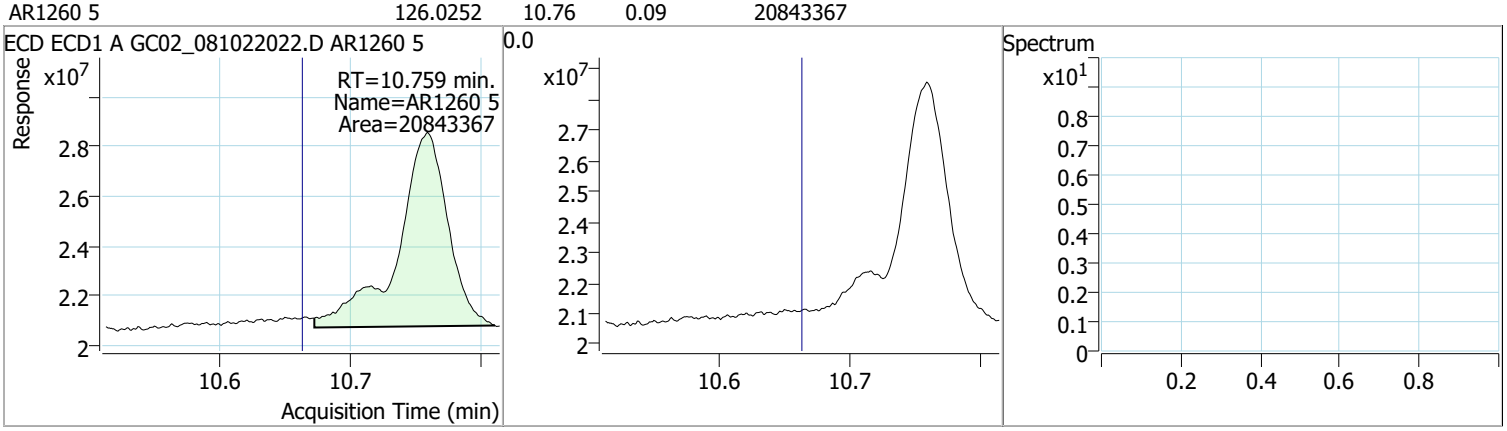
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.7218	9.91	0.00	52884				



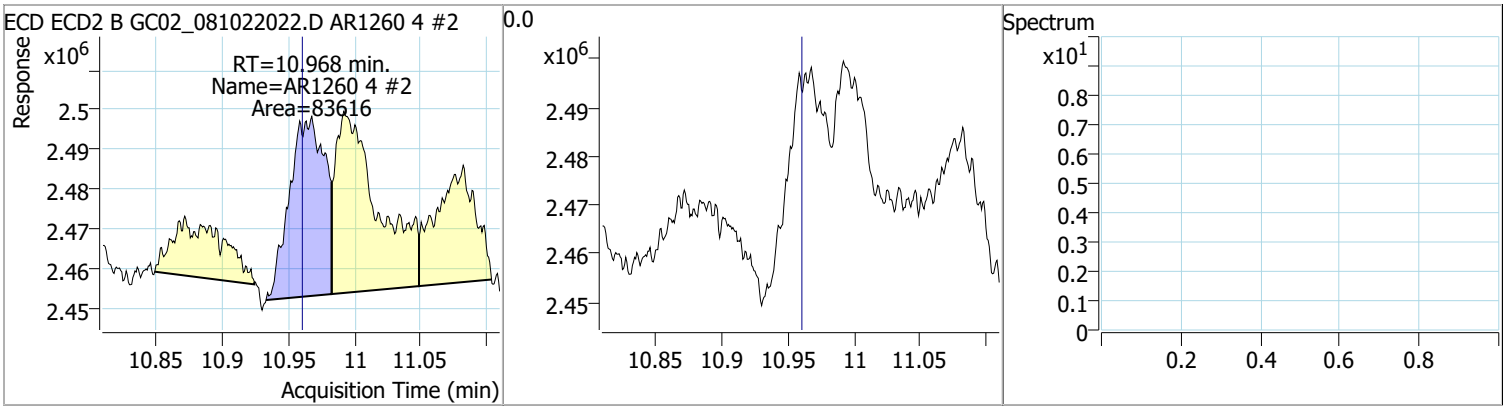
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	10.8889	10.41	-0.05	204610				



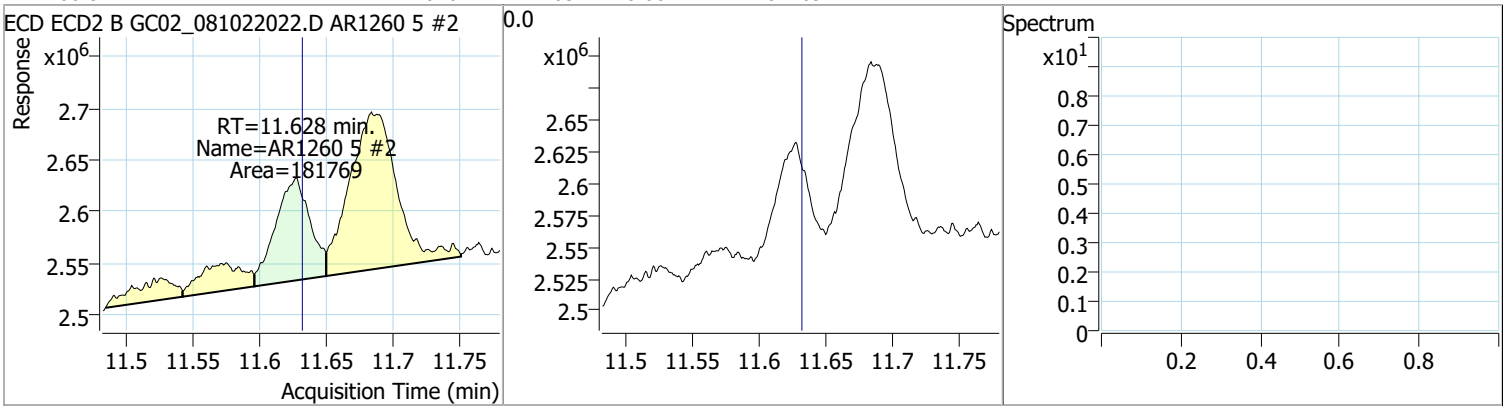
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	126.0252	10.76	0.09	20843367				



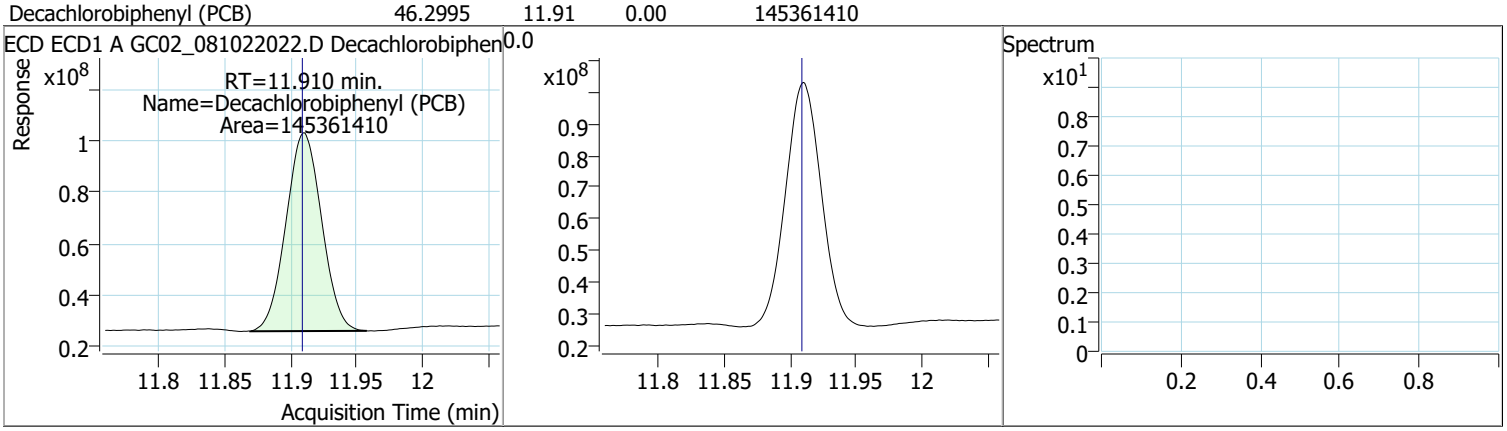
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	7.9727	10.97	0.01	83616				



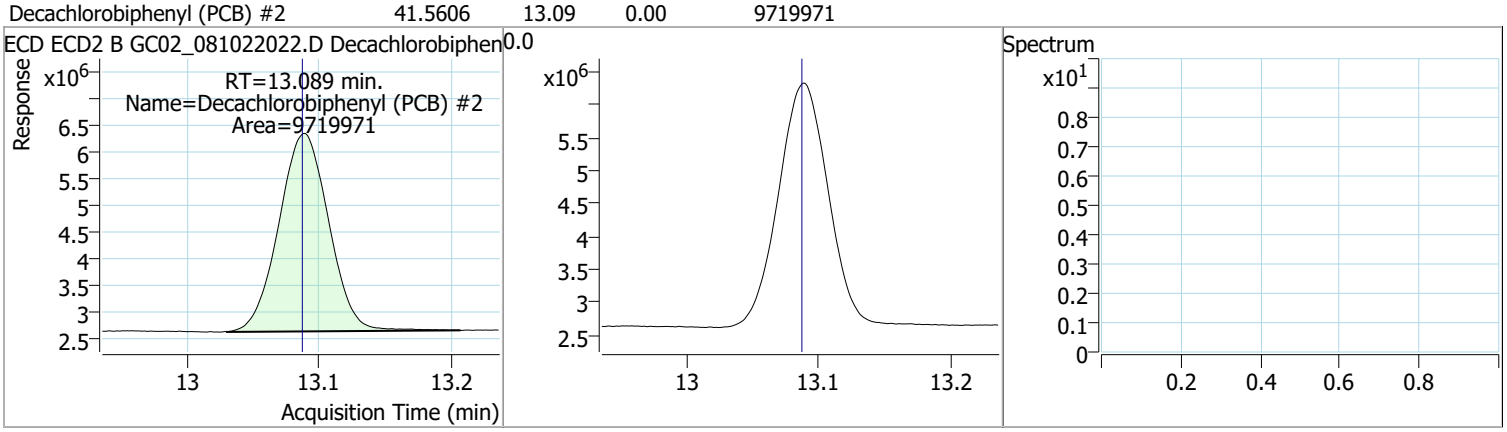
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	12.0764	11.63	0.00	181769				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	46.2995	11.91	0.00	145361410				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	41.5606	13.09	0.00	9719971				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 467089 PCBS Wipe

EPA 8082

Inst:	SVOA-GC02	Lab ID:	QC1005786		
Seqnum:	212320550015.2	Matrix:	Wipe		
File:	gc02_081022-015	Batch:	294760	Time:	10-AUG-2022 18:10
Cal:	212298819002	Caldate:	27-JUL-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Flags
Aroclor-1016	A	17.22	~~17~~ FP	18	2%	0.50	x u
Aroclor-1016 Peak # 1	A	45.05	45.05	6.69	148%		
Aroclor-1016 Peak # 2	A	20.70	20.70	59.44	97%		
Aroclor-1016 Peak # 3	A	1.272	1.27	1.40	10%		
Aroclor-1016 Peak # 4	A	12.09	12.09	0.67	179%		
Aroclor-1016 Peak # 5	A	7.002	7.00	19.50	94%		
Aroclor-1221	A		ND			0.50	u
Aroclor-1232	A		ND			0.50	u
Aroclor-1242	A		ND			0.50	u
Aroclor-1248	A		ND			0.50	u
Aroclor-1254	A		ND			0.50	u
Aroclor-1260	A	4.274	~~4.3~~ FP	1.3	109%	0.50	x u
Aroclor-1260 Peak # 1	A	0.6746	0.67	0.45	39%		
Aroclor-1260 Peak # 2	A	0.06989	0.07	0.34	132%		
Aroclor-1260 Peak # 3	A	0.1392	0.14	4.68	188%		
Aroclor-1260 Peak # 4	A	0.6491	0.65	0.57	13%		
Aroclor-1260 Peak # 5	A	19.84	19.84	0.29	194%		
Aroclor-1262	A		ND			0.50	u
Aroclor-1268	A		ND			0.50	u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	48.65	50.00	48.65	97	52-186	u
Decachlorobiphenyl (PCB)	A	53.04	50.00	53.04	106	60-140	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc02_081022-010)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4588277	4356017	-5.06
1-bromo-2-nitrobenzene (PCB)	A	80982294	81711118	0.90

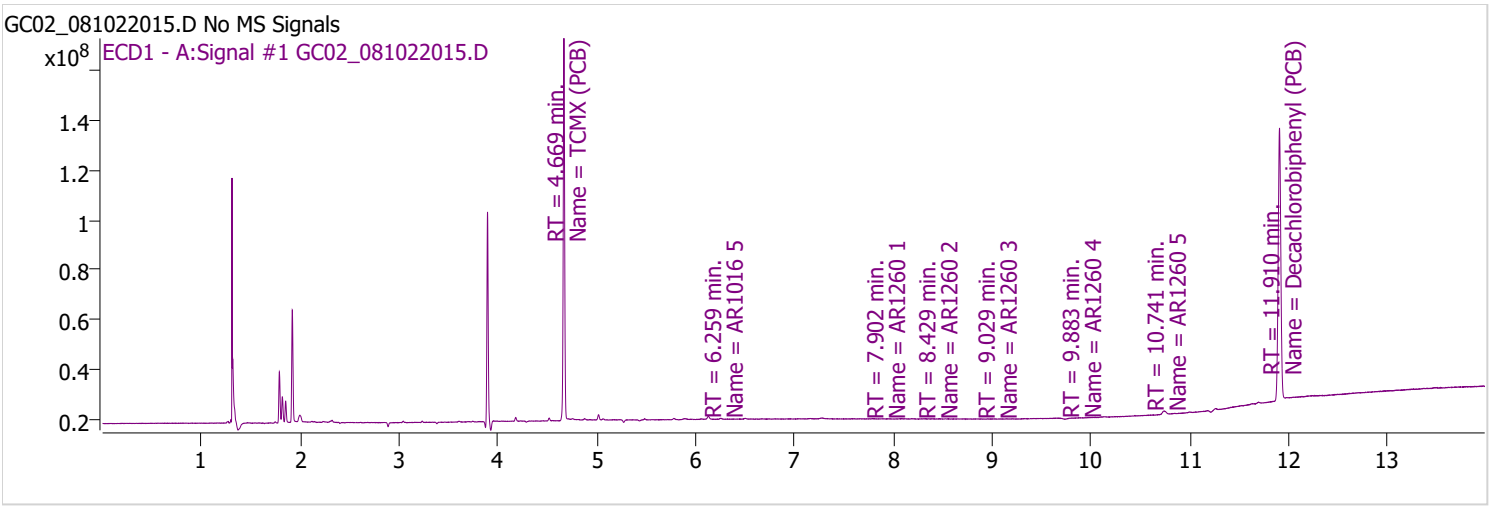
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

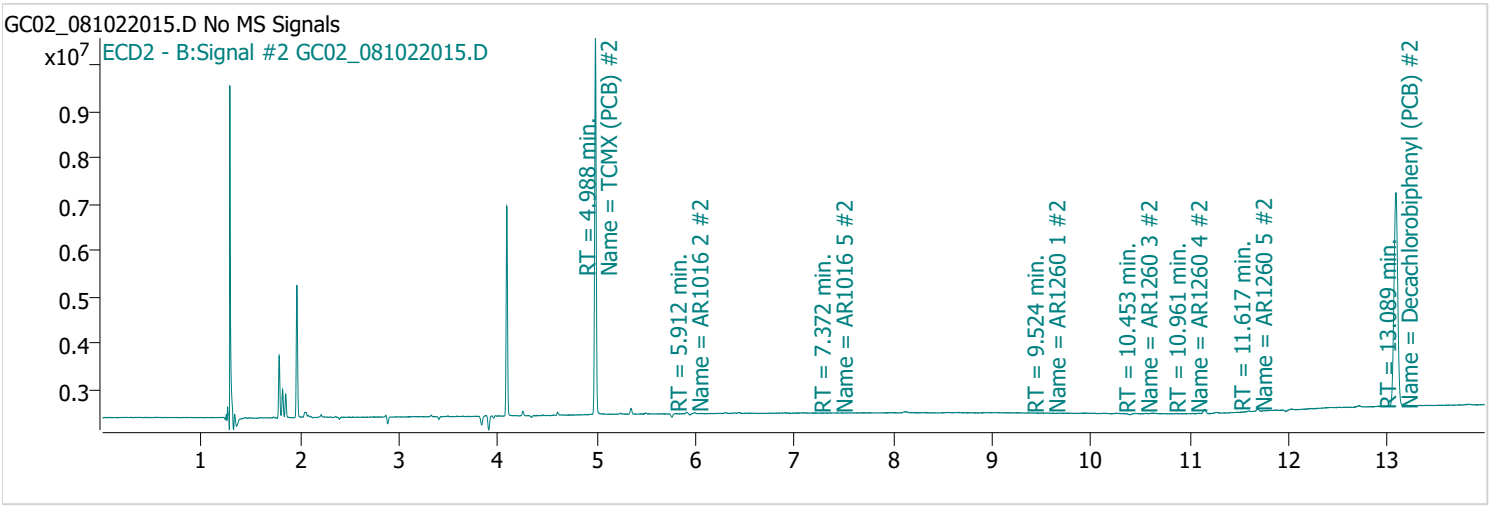
ISTD (CCV gc02_081022-010)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.09	4.09	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.90	3.90	0.00

Analyst: TRN 08/12/22 **Reviewer:** SLL 08/16/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_081022015.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	8/10/2022 6:10:23 PM
Sample Name	QC1005786, 294760, 1	Instrument	SVOA-GC02
Vial	1	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_7.m	Comment	WIPE/1DM2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	081022PCB.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



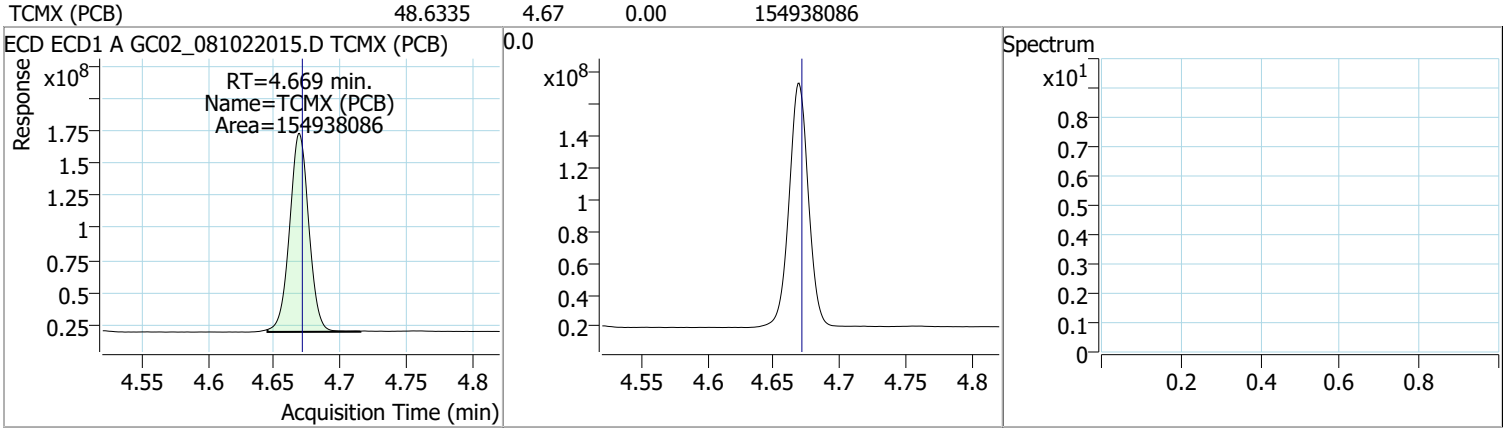


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.896	0.0	81711117.858	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.091	0.0	4356016.710	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.669	0.0	154938085.879	48.6335	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 243.17%		*	
S TCMX (PCB) #2	4.988	0.0	9018520.846	45.3105	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 226.55%		*	
S Decachlorobiphenyl (PCB)	11.910	0.0	202791166.124	53.0241	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 265.12%		*	
S Decachlorobiphenyl (PCB) #2	13.089	0.0	12102708.431	54.3897	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 271.95%		*	
Target Compounds							QValue

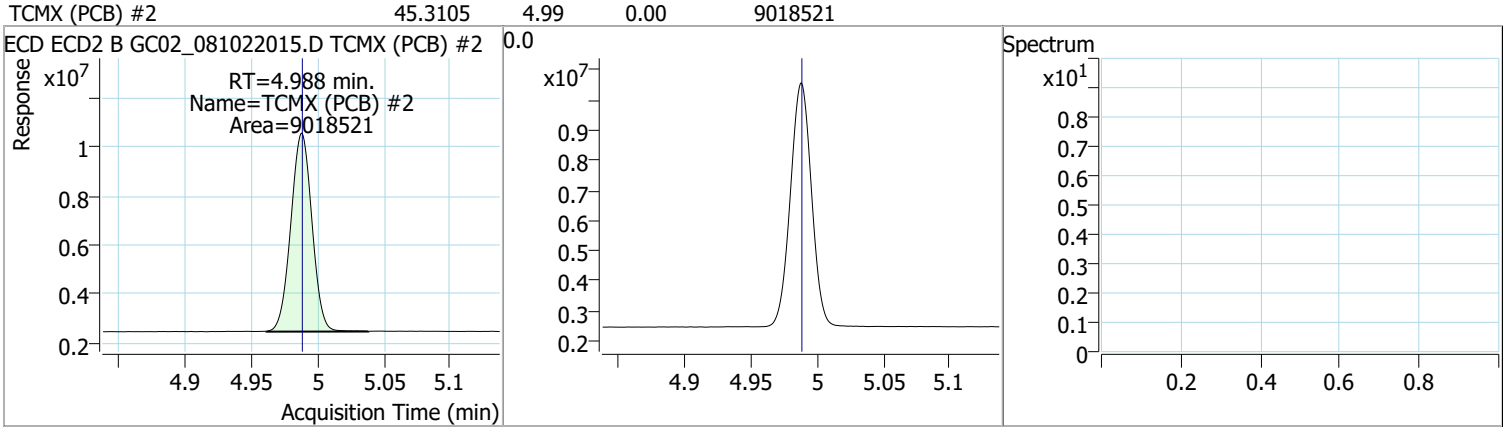
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.018	0.0	2415540.635	45.0345	ng/ml	100
T AR1016 2	5.223	0.0	2143443.197	20.6993	ng/ml	100
T AR1016 1 #2	5.497	0.0	27453.821	6.6890	ng/ml	100
T AR1016 3	5.720	0.0	206827.367	1.2718	ng/ml	100
T AR1016 2 #2	5.912	0.0	500160.156	59.4216	ng/ml	100
T AR1016 4	5.893	0.0	1150447.696	12.0909	ng/ml	100
T AR1016 5	6.259	0.0	583522.556	7.0005	ng/ml	100
T AR1016 3 #2	6.310	0.0	14603.136	1.4003	ng/ml	100
T AR1016 4 #2	6.499	0.0	4910.606	0.6654	ng/ml	100
T AR1016 5 #2	7.372	0.0	117093.878	19.4925	ng/ml	100
T AR1260 1	7.902	0.0	112953.529	0.6745	ng/ml	100
T AR1260 2	8.429	0.0	18137.762	0.0699	ng/ml	100
T AR1260 3	9.029	0.0	42577.240	0.1391	ng/ml	100
T AR1260 1 #2	9.524	0.0	5604.747	0.4536	ng/ml	100
T AR1260 4	9.883	0.0	89886.026	0.6489	ng/ml	100
T AR1260 2 #2	9.922	0.0	4573.681	0.3383	ng/ml	100
T AR1260 3 #2	10.453	0.0	83579.817	4.6749	ng/ml	100
T AR1260 5	10.741	0.0	3995108.926	19.8296	ng/ml	100
T AR1260 4 #2	10.961	0.0	5656.819	0.5669	ng/ml	100
T AR1260 5 #2	11.617	0.0	4179.177	0.2918	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

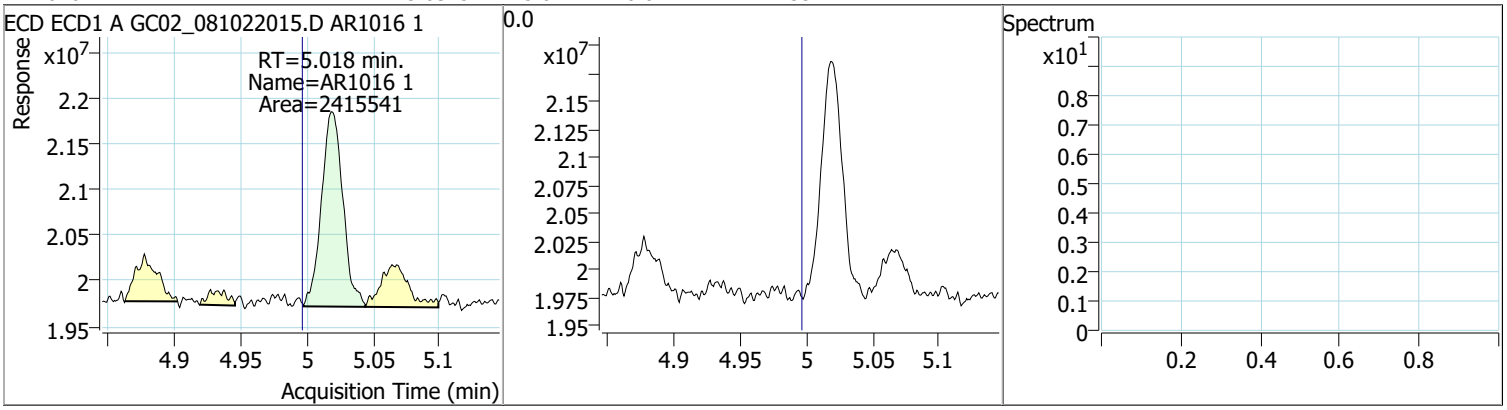
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	48.6335	4.67	0.00	154938086				



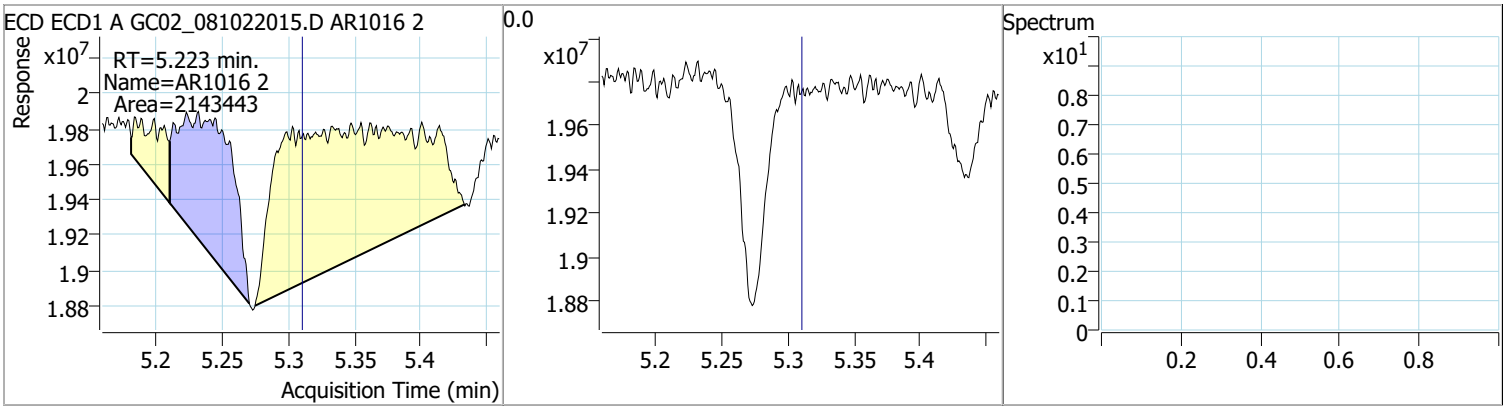
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	45.3105	4.99	0.00	9018521				



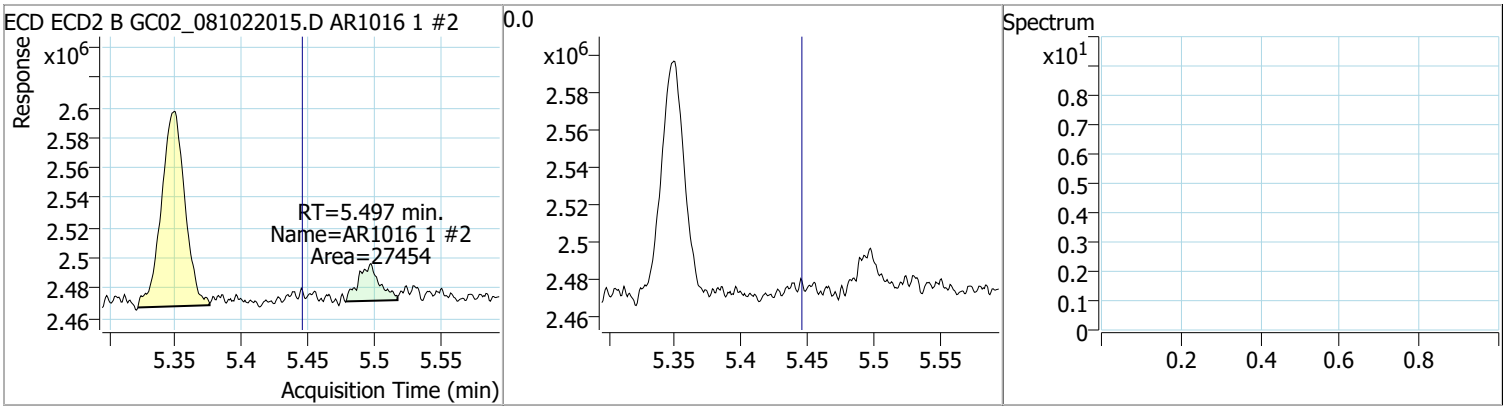
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	45.0345	5.02	0.02	2415541				



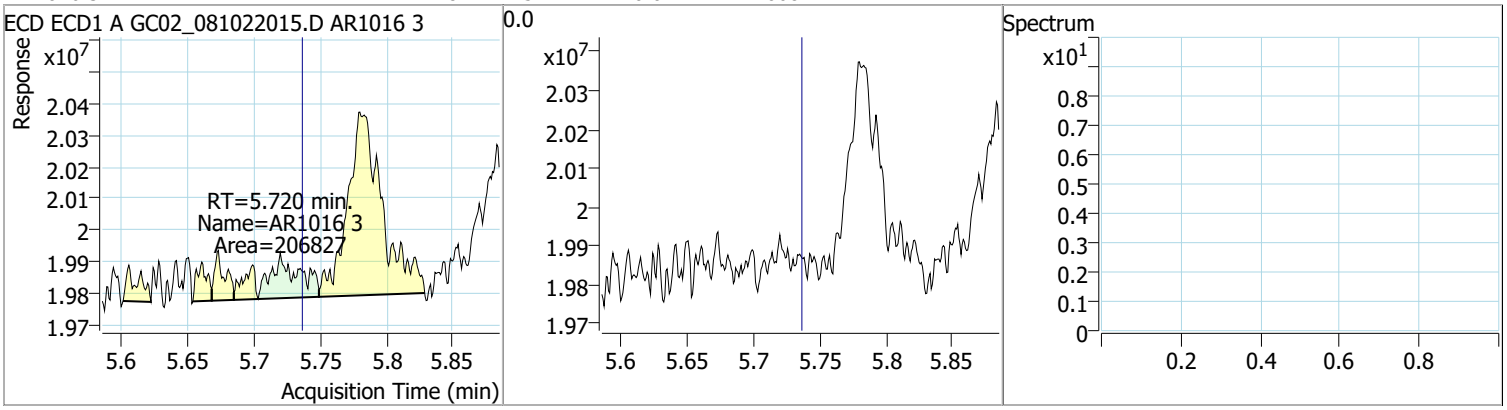
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	20.6993	5.22	-0.09	2143443				



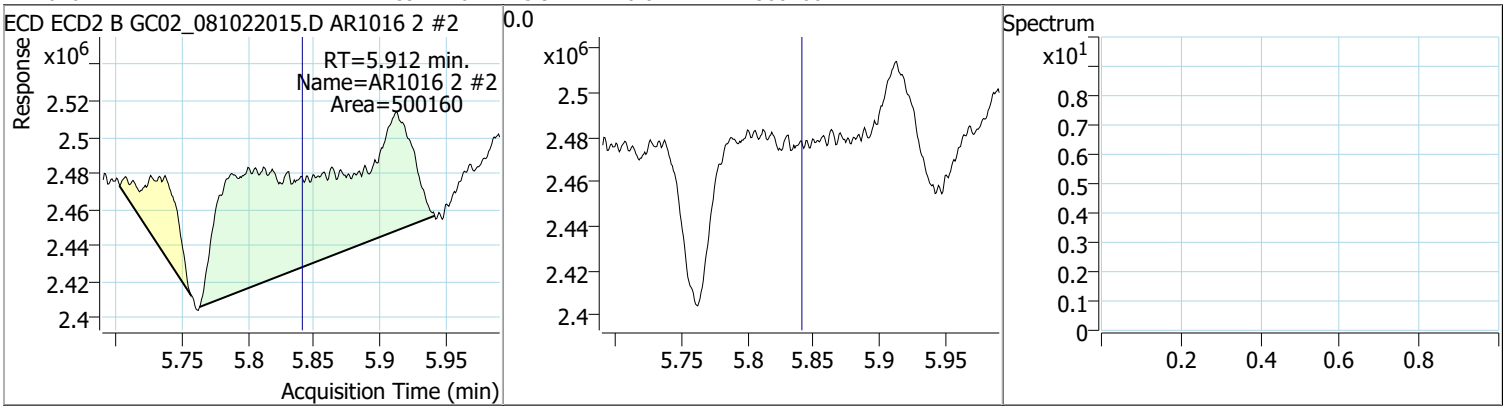
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	6.6890	5.50	0.05	27454				



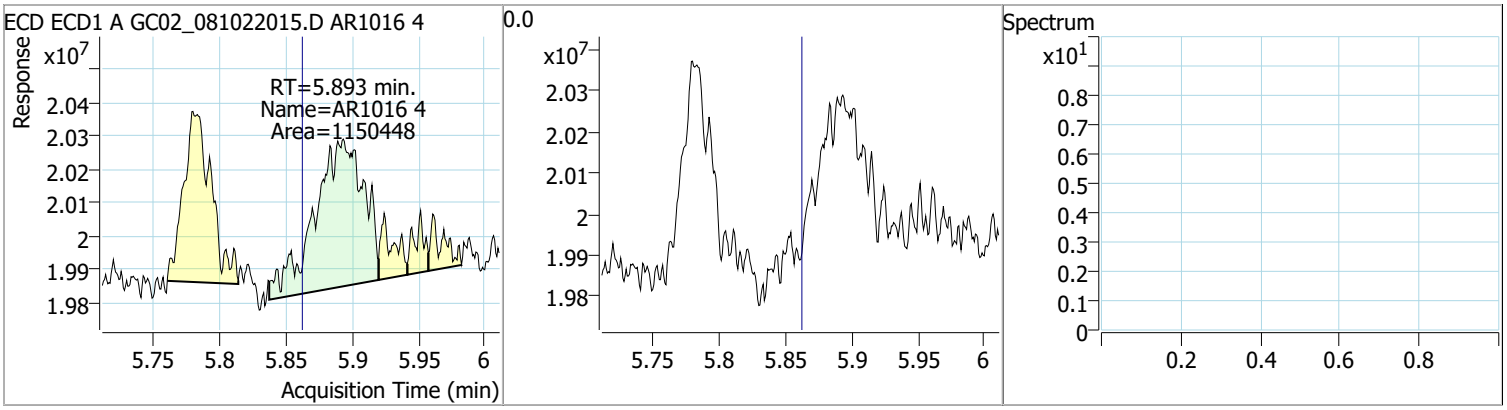
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1.2718	5.72	-0.02	206827				



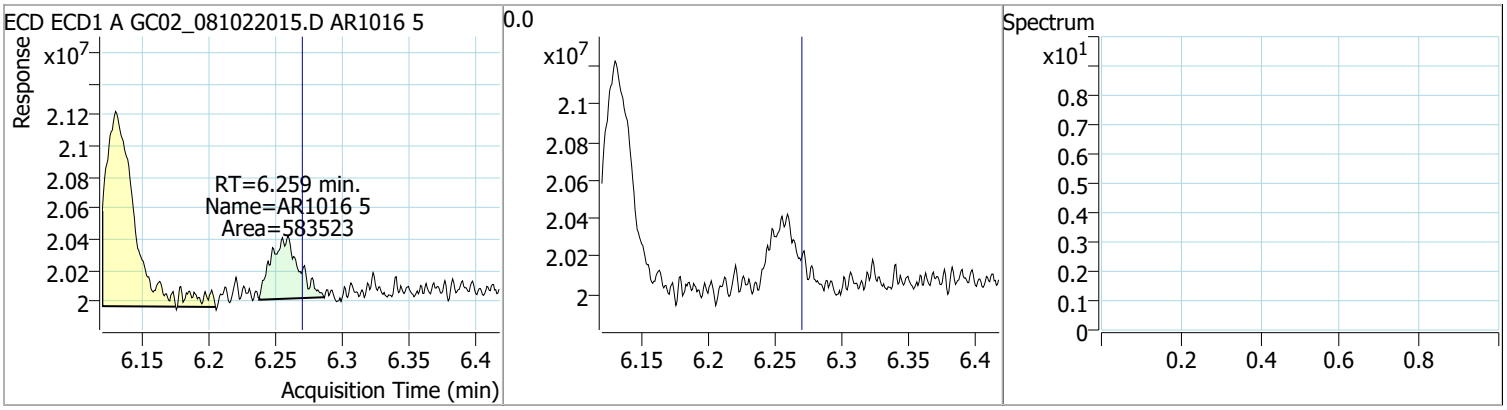
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	59.4216	5.91	0.07	500160				



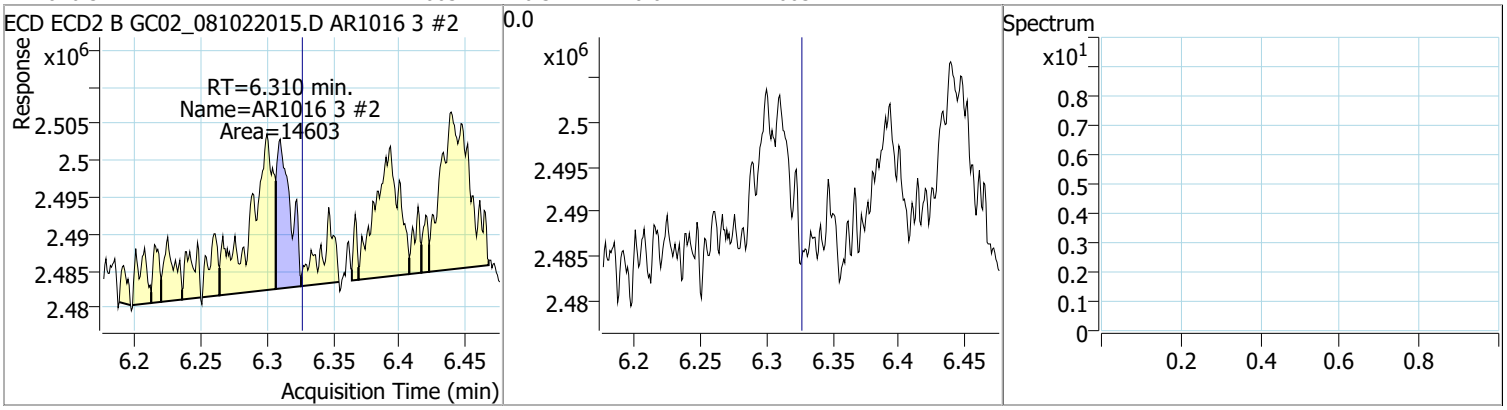
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	12.0909	5.89	0.03	1150448				



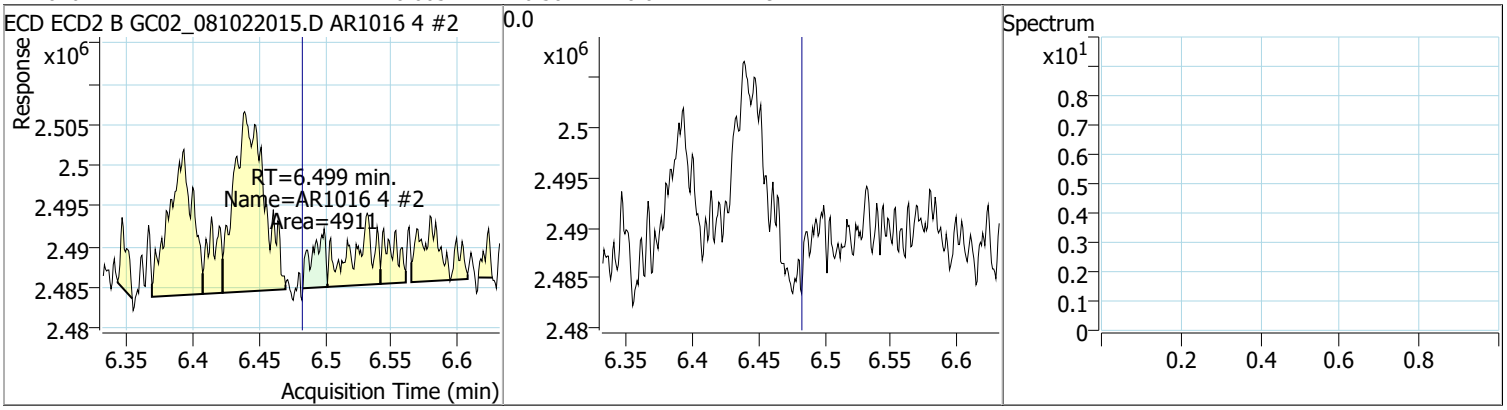
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	7.0005	6.26	-0.01	583523				



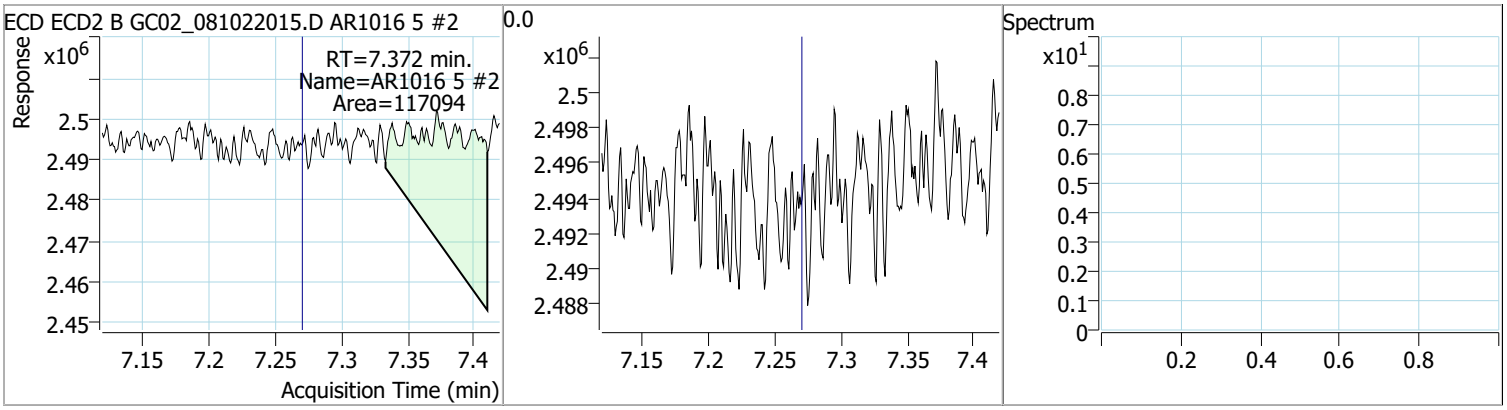
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1.4003	6.31	-0.02	14603				



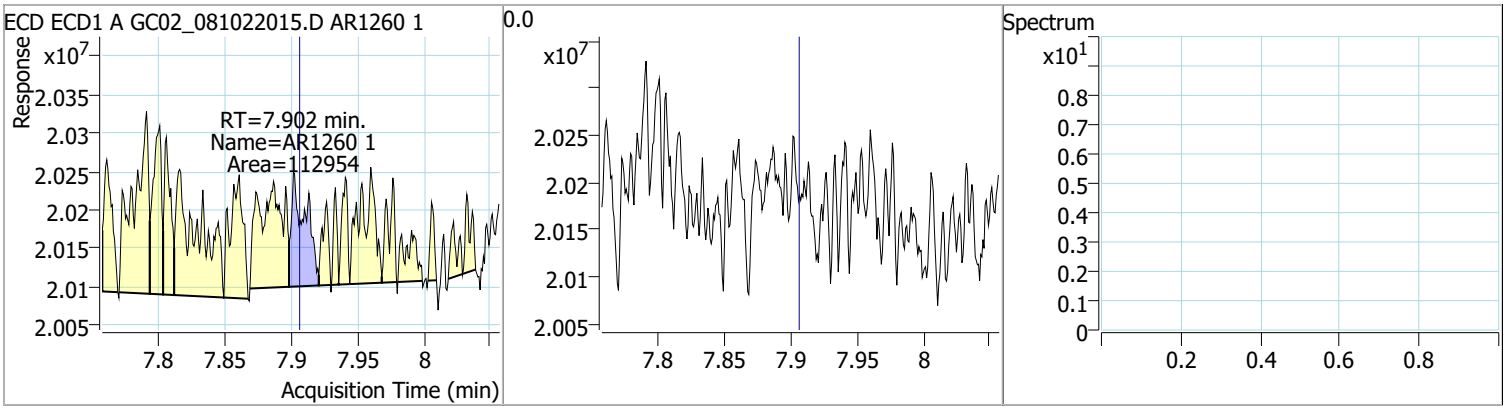
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.6654	6.50	0.02	4911				



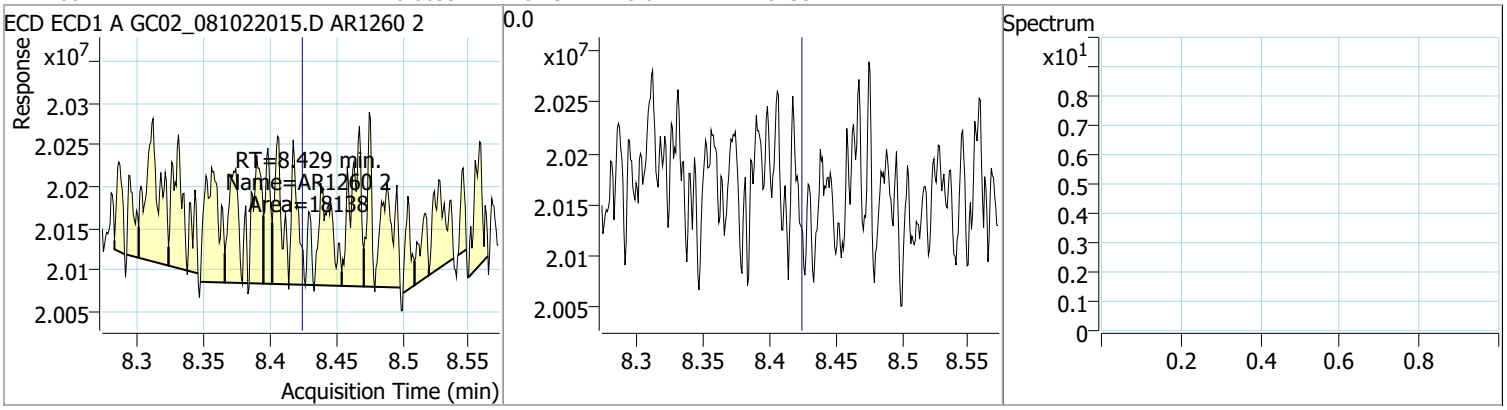
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	19.4925	7.37	0.10	117094				



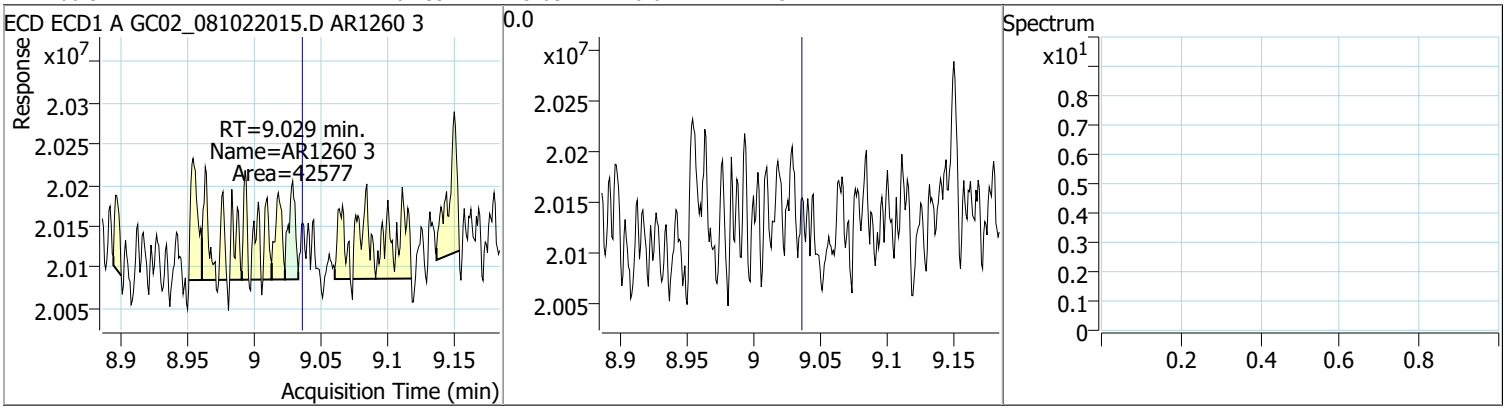
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	0.6745	7.90	-0.01	112954				



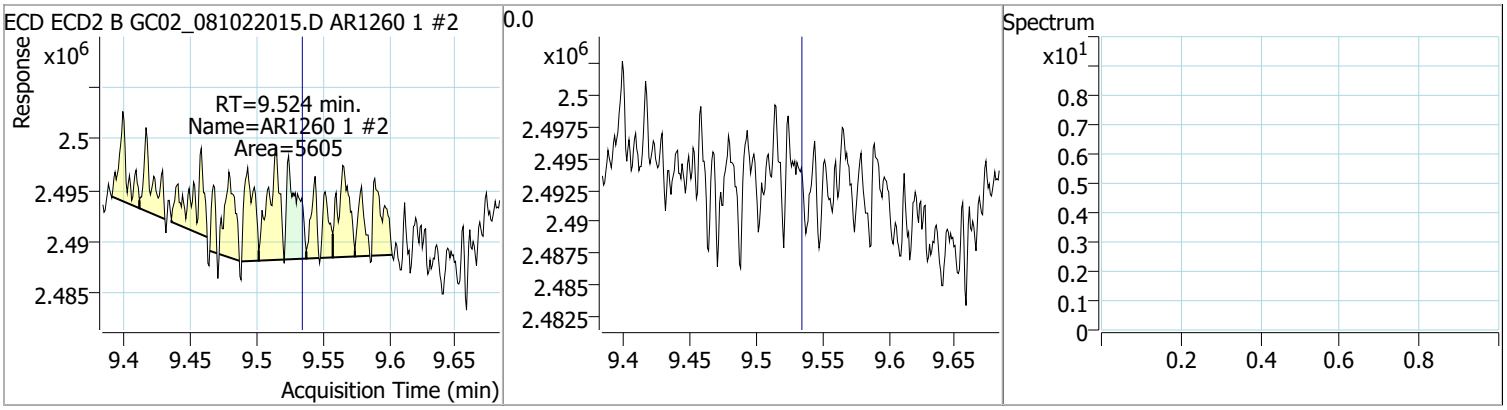
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.0699	8.43	0.01	18138				



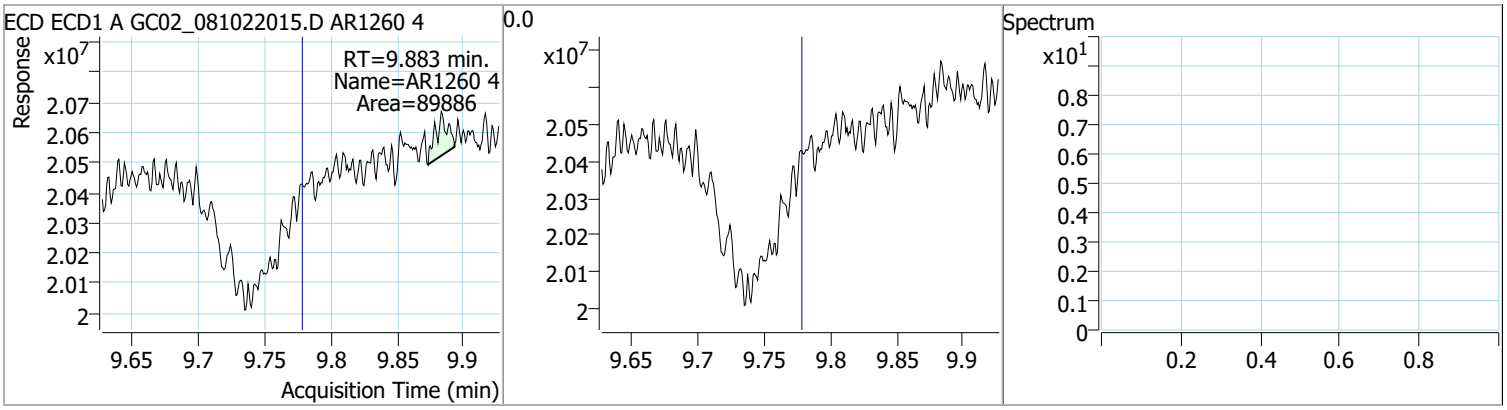
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.1391	9.03	-0.01	42577				



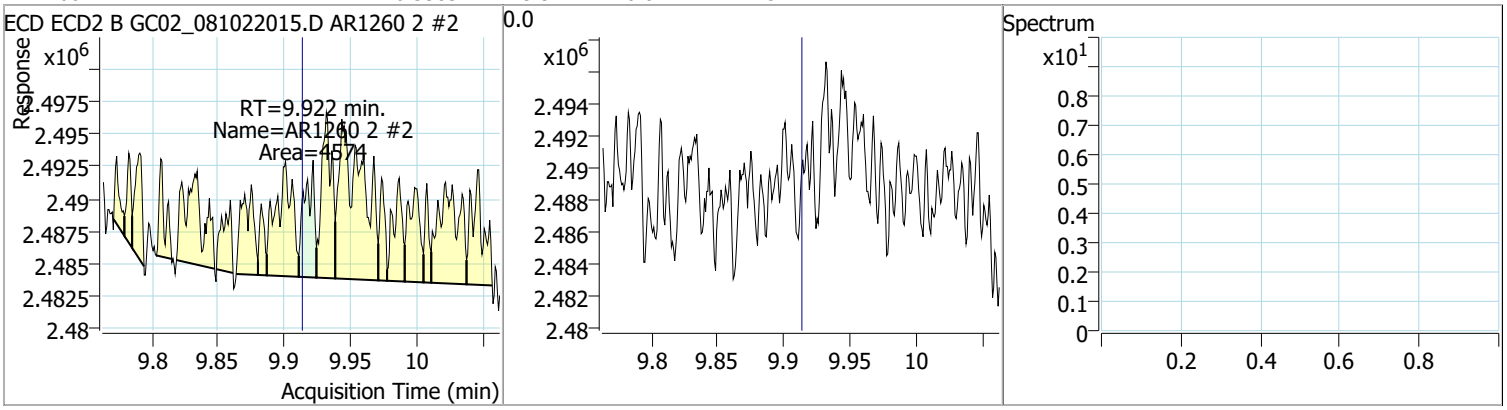
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.4536	9.52	-0.01	5605				



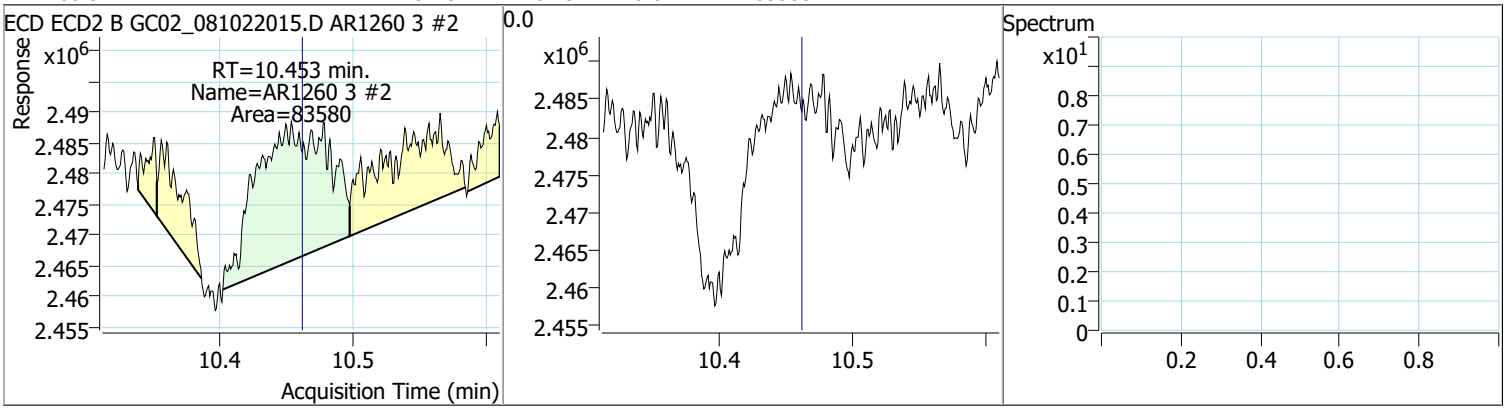
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	0.6489	9.88	0.11	89886				



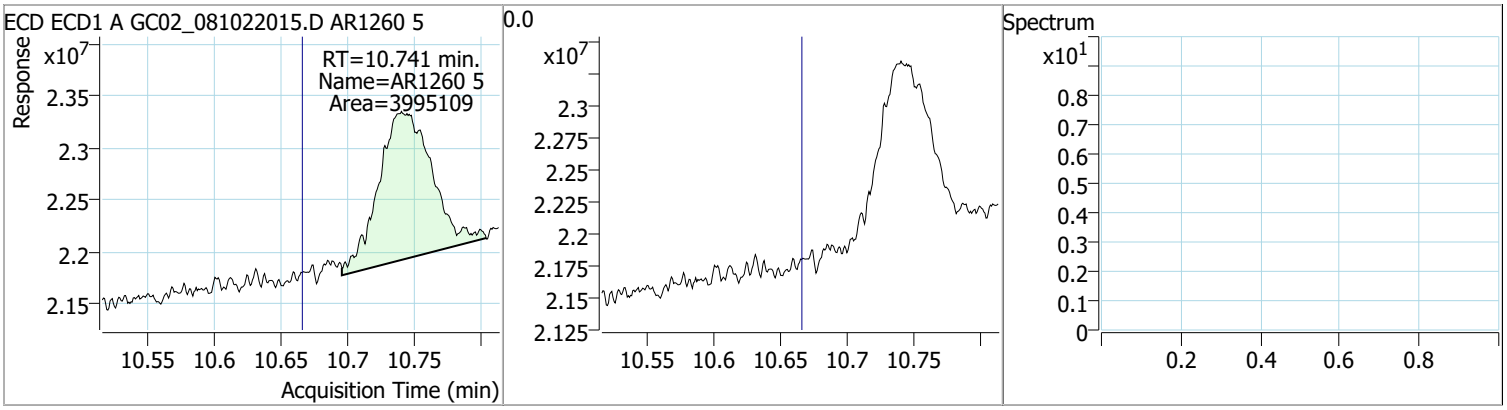
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.3383	9.92	0.01	4574				



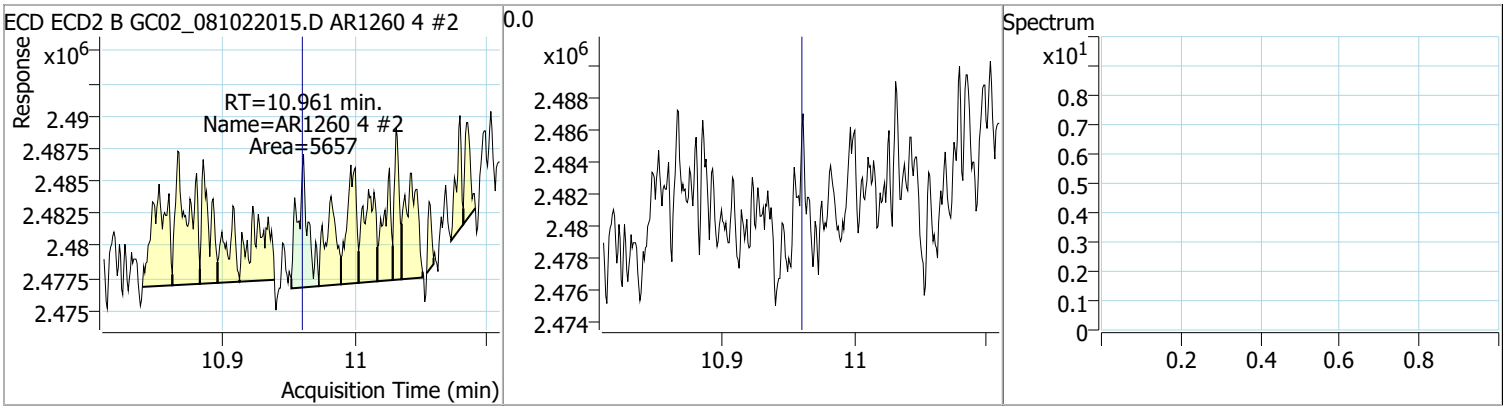
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	4.6749	10.45	-0.01	83580				



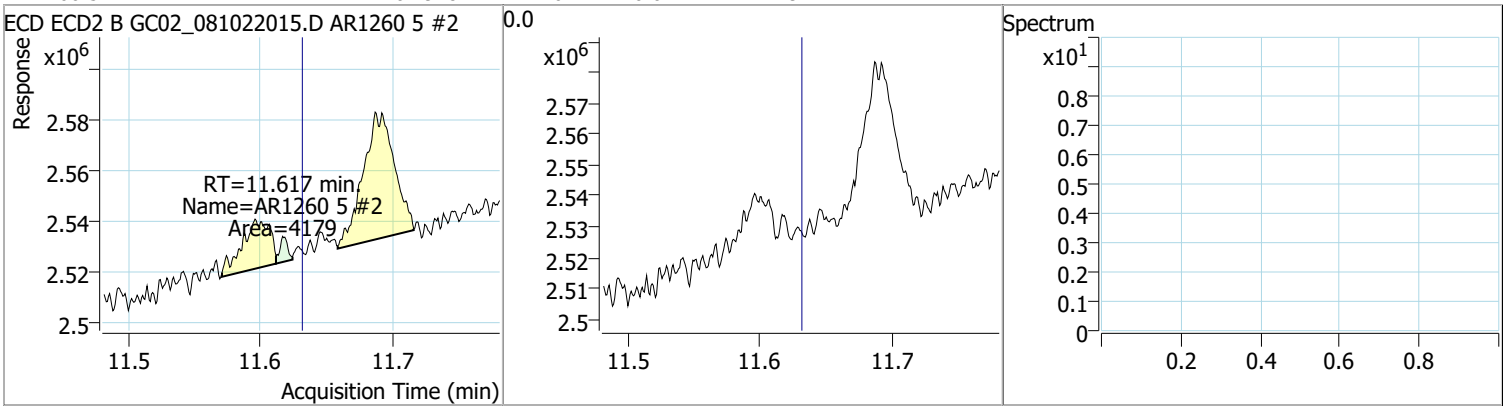
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	19.8296	10.74	0.08	3995109				



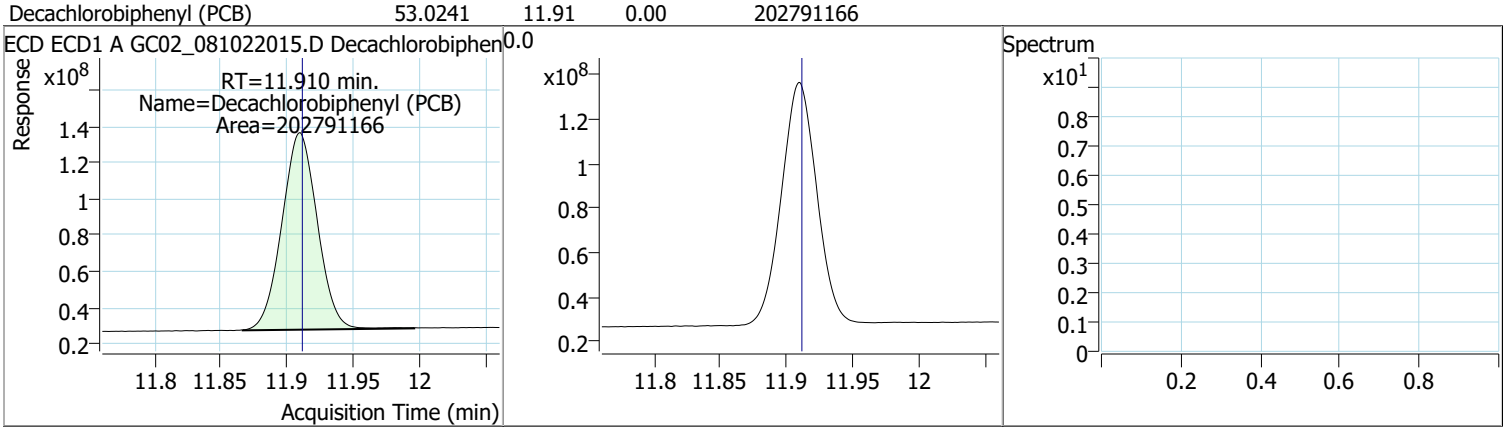
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.5669	10.96	0.00	5657				



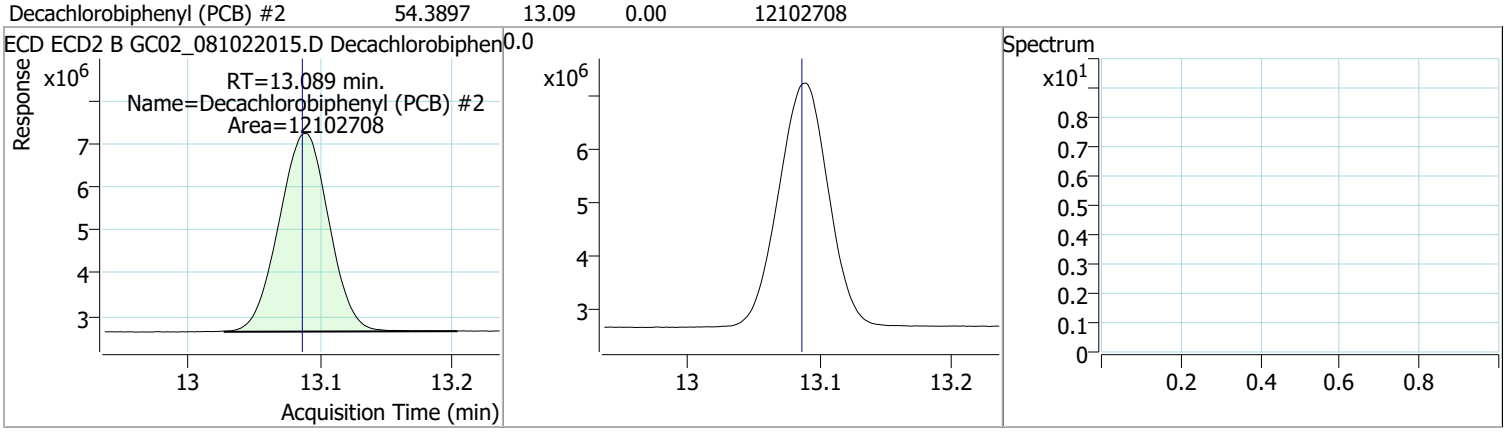
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	0.2918	11.62	-0.01	4179				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	53.0241	11.91	0.00	202791166				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	54.3897	13.09	0.00	12102708				



ENTHALPY SPIKE USER REPORT FOR 467089 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC02	Inst:	SVOA-GC02
Seqnum:	212320550016.2	Seqnum:	212320550017.2
File:	gc02_081022-016	File:	gc02_081022-017
IDF:	1.0	IDF:	1.0
Lab ID:	QC1005787	Lab ID:	QC1005788
Matrix:	Wipe	Matrix:	Wipe
Batch:	294760	Batch:	294760
Time:	10-AUG-2022 18:28	Time:	10-AUG-2022 18:46
Cal:	212298819002	Cal:	212298819002
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	542.0	5.420	A	108	544.3	5.443	A	109	60-140	0	20	u
Aroclor-1016 Peak # 1		546.1	5.461	A		560.5	5.605	A					
Aroclor-1016 Peak # 2		545.7	5.457	A		549.4	5.494	A					
Aroclor-1016 Peak # 3		492.8	4.928	A		489.7	4.897	A					
Aroclor-1016 Peak # 4		585.4	5.854	A		584.9	5.849	A					
Aroclor-1016 Peak # 5		539.8	5.398	A		537.1	5.371	A					
Aroclor-1260	5.000	664.1	6.641	A	133	599.3	5.993	A	120	60-140	10	20	u
Aroclor-1260 Peak # 1		617.2	6.172	A		579.9	5.799	A					
Aroclor-1260 Peak # 2		641.9	6.419	A		588.4	5.884	A					
Aroclor-1260 Peak # 3		635.7	6.357	A		575.1	5.751	A					
Aroclor-1260 Peak # 4		756.7	7.567	A		672.9	6.729	A					
Aroclor-1260 Peak # 5		669.1	6.691	A		580.1	5.801	A					
Surrogates													
TCMX (PCB)	0.5000	49.41	0.4941	A	99	49.45	0.4945	A	99	52-186			u
Decachlorobiphenyl (PCB)	0.5000	58.28	0.5828	A	117	48.75	0.4875	A	98	60-140			c+ u

ISTD (CCV gc02_081022-010)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4588277	4269137	-6.96
1-bromo-2-nitrobenzene (PCB)	A	80982294	78948143	-2.51

ISTD (CCV gc02_081022-010)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.09	4.09	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.90	3.90	0.00

ISTD (CCV gc02_081022-010)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4588277	4004390	-12.73
1-bromo-2-nitrobenzene (PCB)	A	80982294	73858906	-8.80

ISTD (CCV gc02_081022-010)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.09	4.09	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.90	3.90	0.00

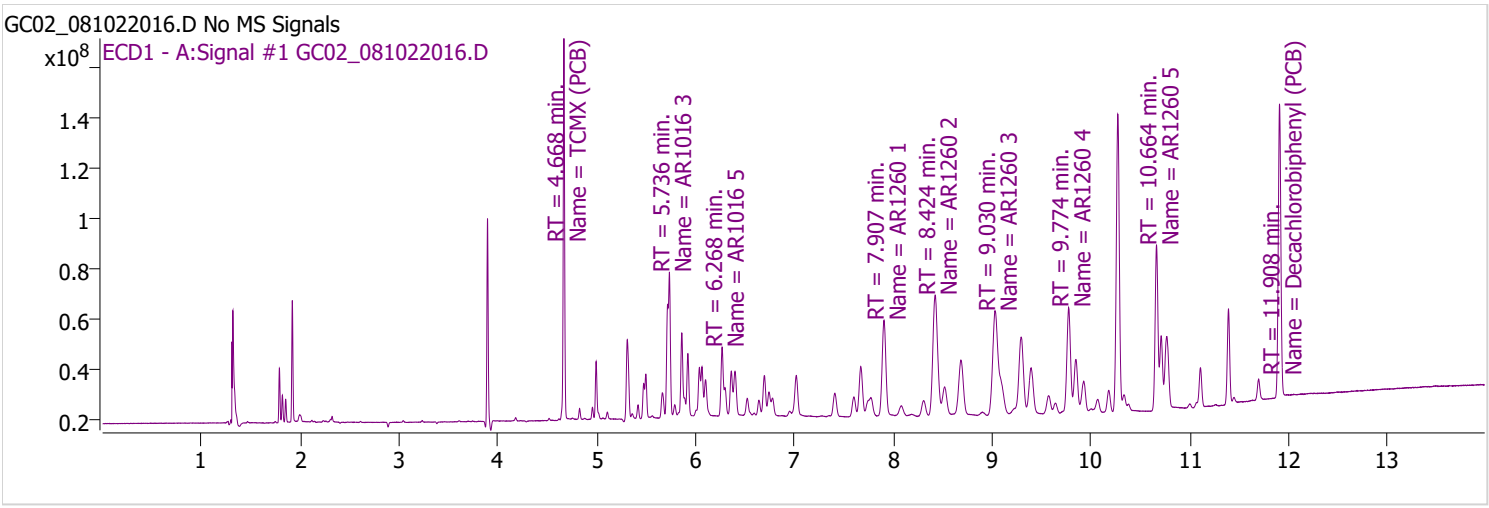
TRN 08/12/22 [Aroclor-1016 Peak # 3 A]: Separated from coeluting peak for all channels for spike & dup. [general version]

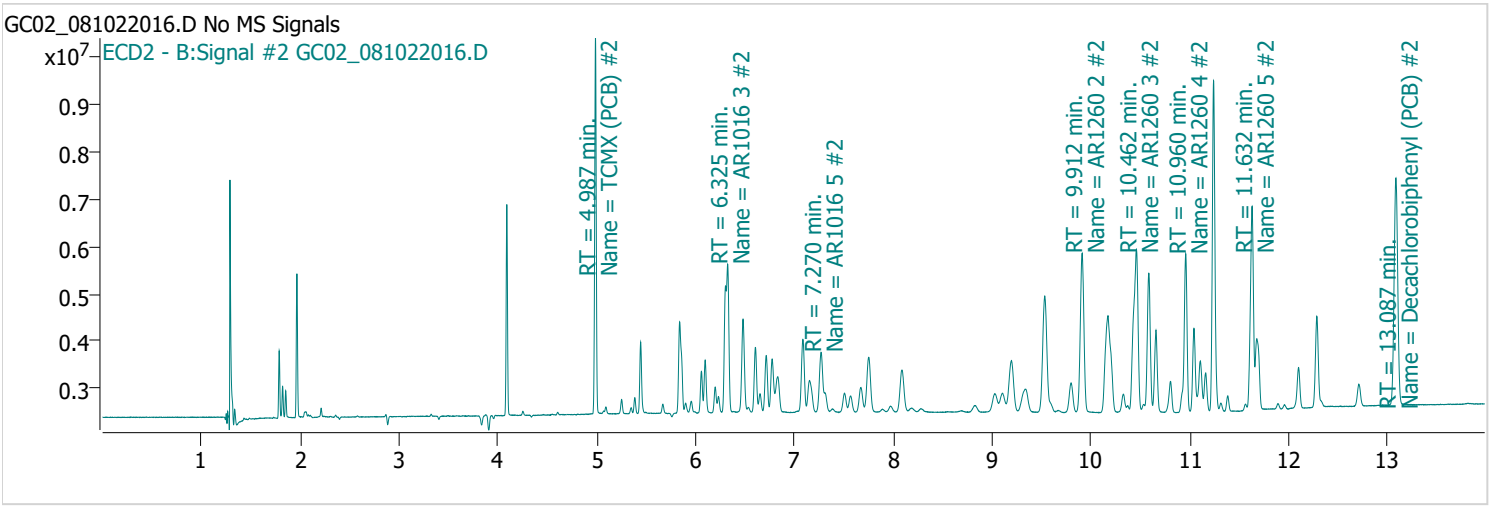
+=high bias c=CCV u=use

Analyst: TRN 08/12/22 **Reviewer:** SLL 08/16/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_081022016.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	8/10/2022 6:28:14 PM
Sample Name	QC1005787, 294760, 1	Instrument	SVOA-GC02
Vial	2	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_7.m	Comment	WIPE/1DM2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	081022PCB.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



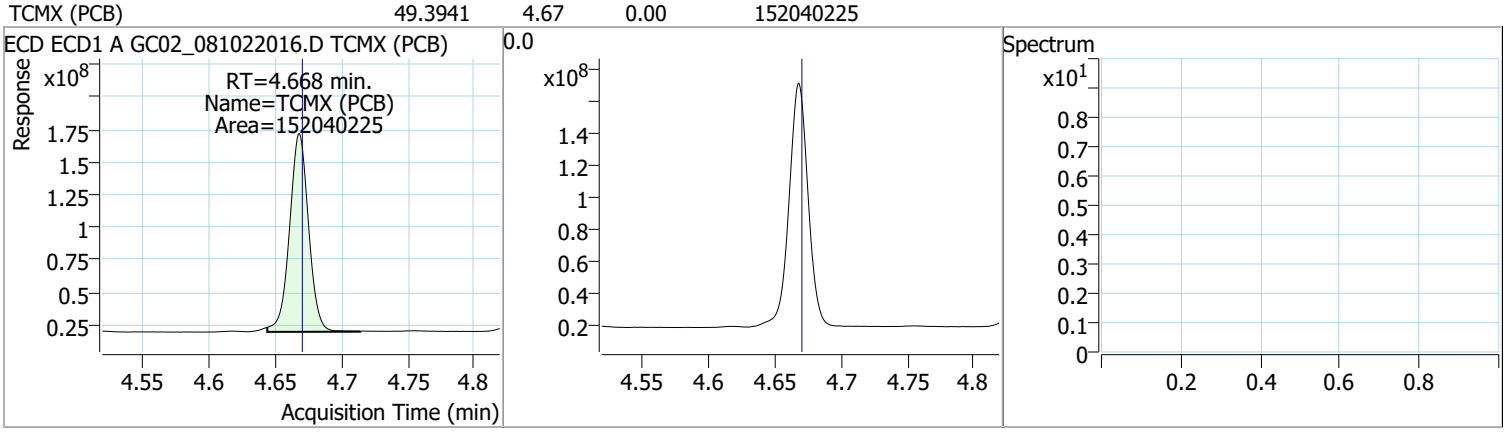


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.896	0.0	78948143.250	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.091	0.0	4269136.710	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.668	0.0	152040225.238	49.3941	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 246.97%		*	
S TCMX (PCB) #2	4.987	0.0	8810576.803	45.1666	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 225.83%		*	
S Decachlorobiphenyl (PCB)	11.908	0.0	215299475.608	58.2648	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 291.32%		*	
S Decachlorobiphenyl (PCB) #2	13.087	0.0	12354788.594	56.6525	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 283.26%		*	
Target Compounds							QValue

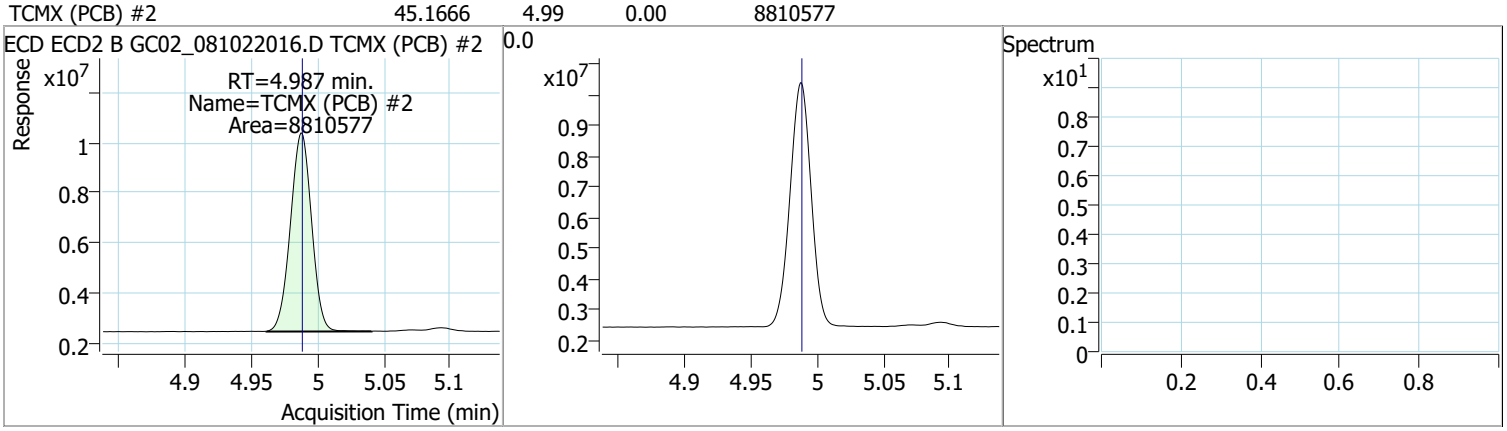
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.994	0.0	28295818.899	545.9994	ng/ml		100
T AR1016 2	5.309	0.0	54583288.701	545.5595	ng/ml		100
T AR1016 1 #2	5.445	0.0	2004679.012	498.3742	ng/ml		100
T AR1016 3	5.736	0.0	77440073.703	492.8322	ng/ml	m	100
T AR1016 2 #2	5.839	0.0	4191564.826	508.1135	ng/ml		100
T AR1016 4	5.861	0.0	53802327.159	585.2353	ng/ml		100
T AR1016 5	6.268	0.0	43458985.790	539.6232	ng/ml	m	100
T AR1016 3 #2	6.325	0.0	5016582.758	490.8177	ng/ml	m	100
T AR1016 4 #2	6.481	0.0	3677979.894	508.5200	ng/ml		100
T AR1016 5 #2	7.270	0.0	3667193.920	622.8970	ng/ml		100
T AR1260 1	7.907	0.0	99834865.603	616.9907	ng/ml		100
T AR1260 2	8.424	0.0	160955085.117	641.7559	ng/ml		100
T AR1260 3	9.030	0.0	187919845.157	635.5581	ng/ml		100
T AR1260 1 #2	9.533	0.0	7548034.589	623.3575	ng/ml		100
T AR1260 4	9.774	0.0	101245808.765	756.4749	ng/ml		100
T AR1260 2 #2	9.912	0.0	8442976.512	637.2217	ng/ml		100
T AR1260 3 #2	10.462	0.0	10640602.400	607.2815	ng/ml		100
T AR1260 5	10.664	0.0	130203362.723	668.8790	ng/ml		100
T AR1260 4 #2	10.960	0.0	6900265.401	705.5822	ng/ml		100
T AR1260 5 #2	11.632	0.0	9447756.764	673.1535	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

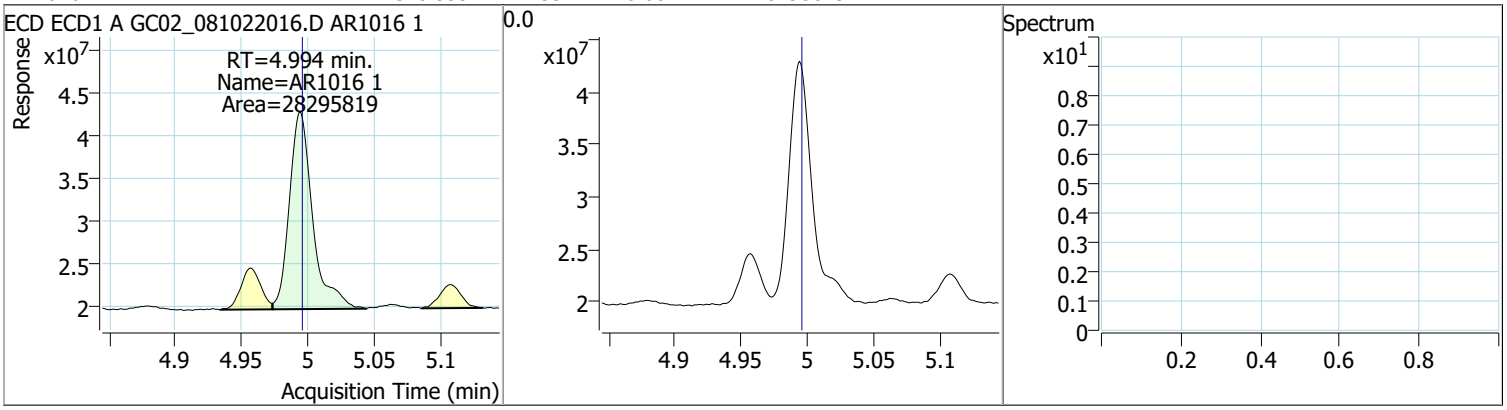
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	49.3941	4.67	0.00	152040225				



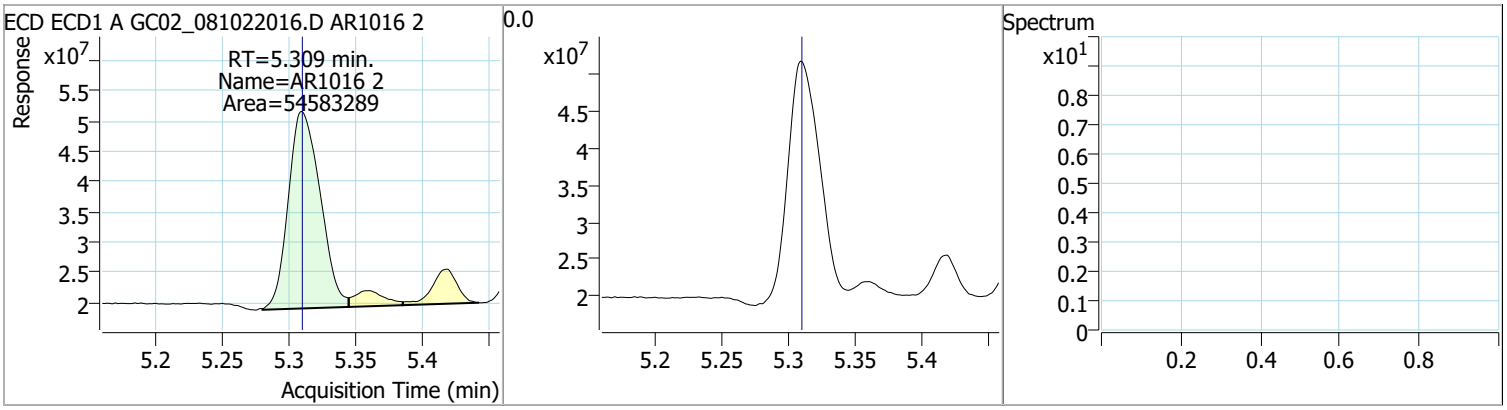
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	45.1666	4.99	0.00	8810577				



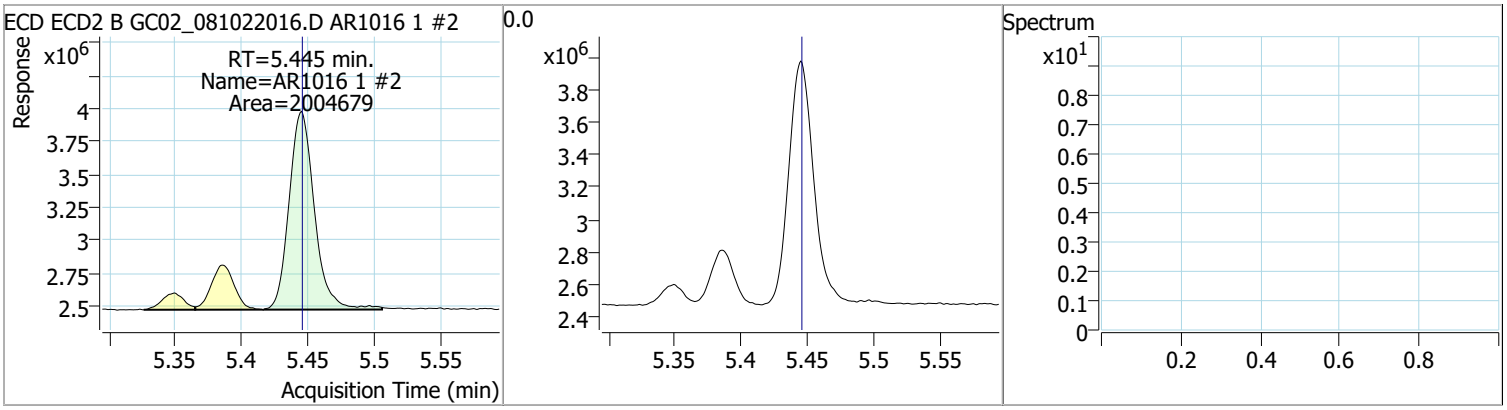
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	545.9994	4.99	0.00	28295819				



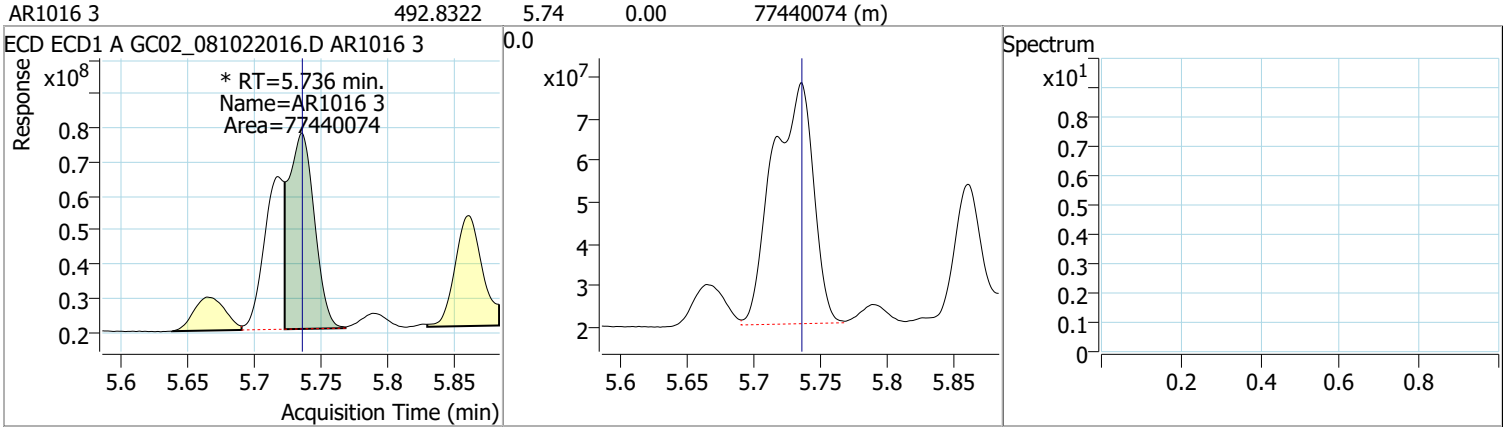
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	545.5595	5.31	0.00	54583289				



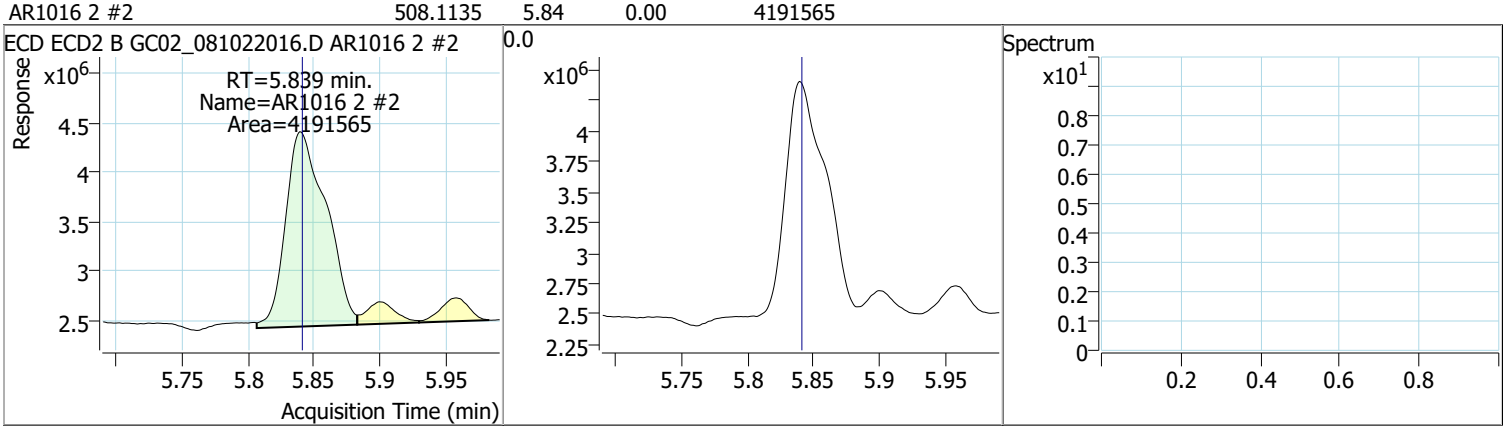
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	498.3742	5.44	0.00	2004679				



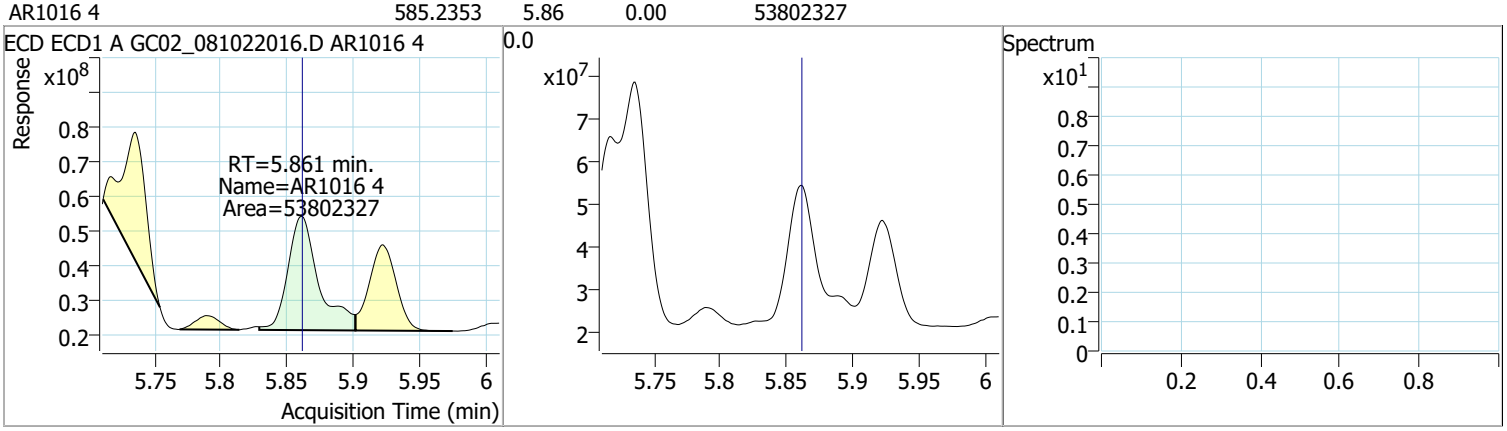
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	492.8322	5.74	0.00	77440074 (m)				



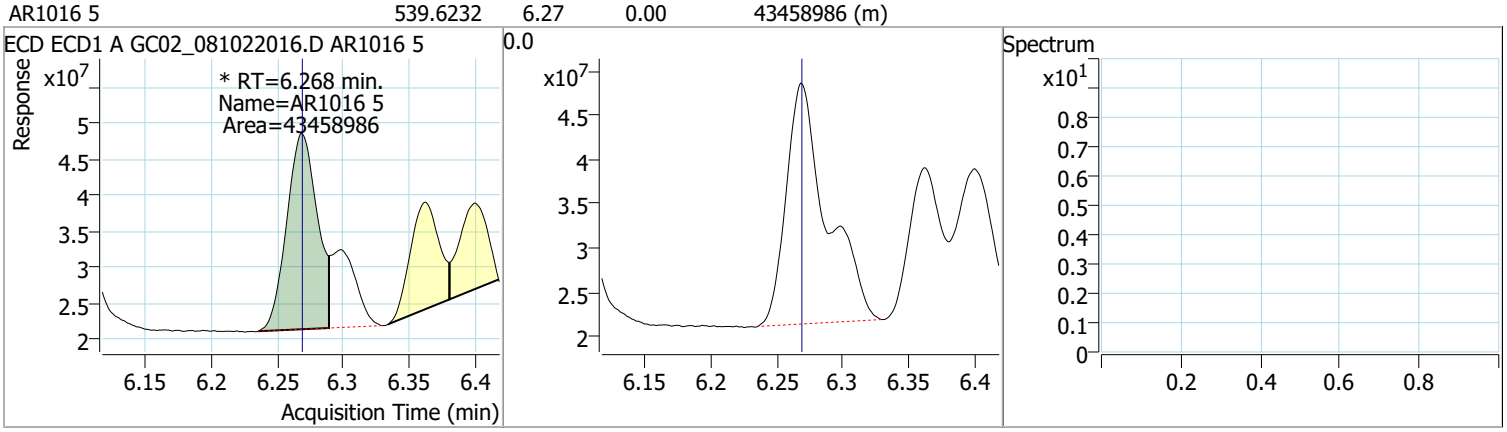
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	508.1135	5.84	0.00	4191565				



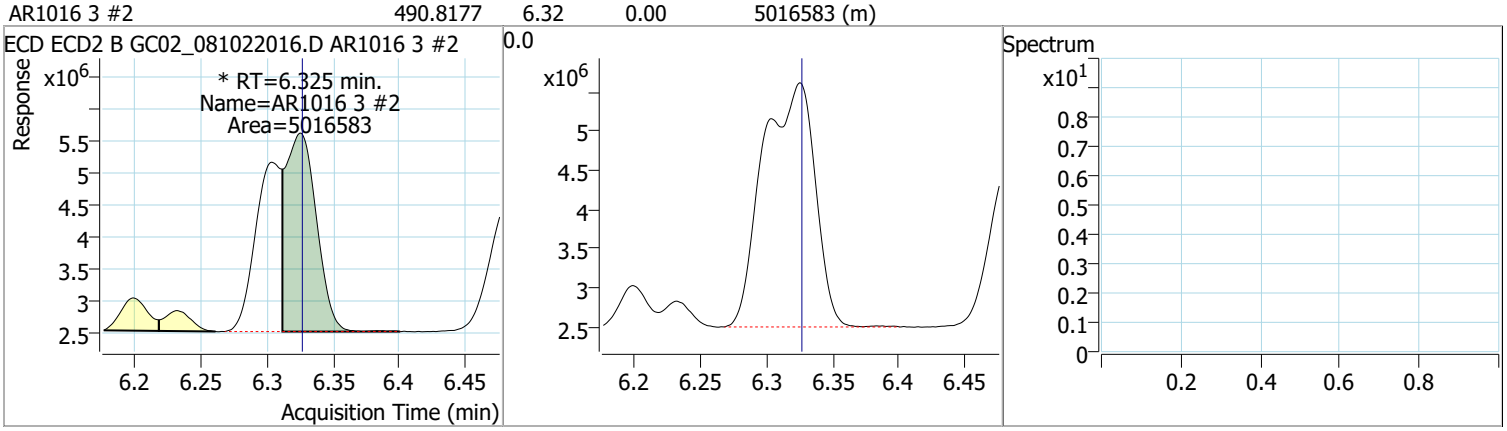
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	585.2353	5.86	0.00	53802327				



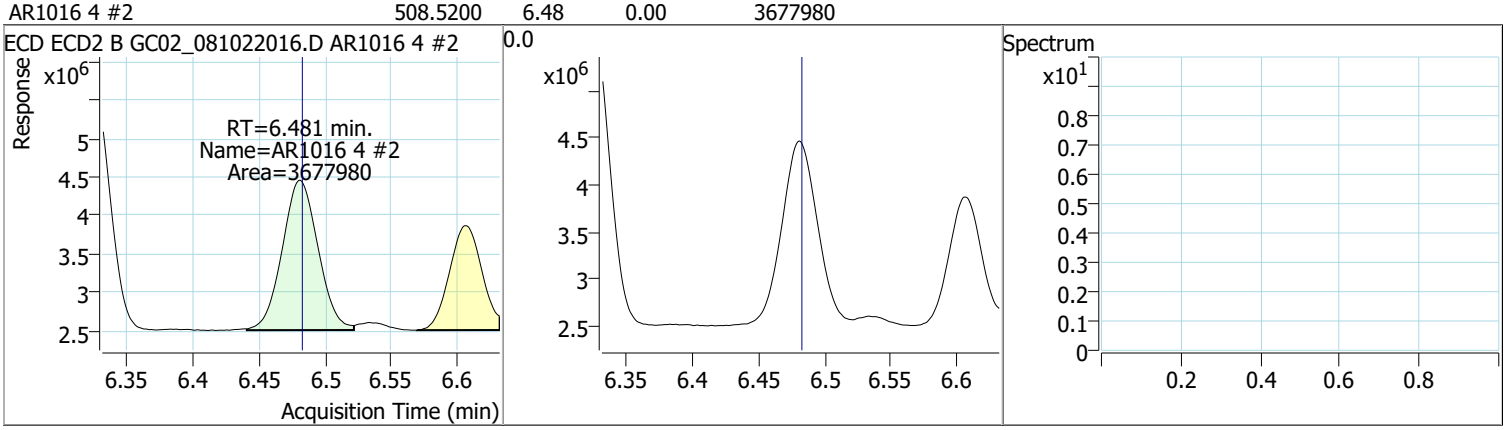
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	539.6232	6.27	0.00	43458986 (m)				



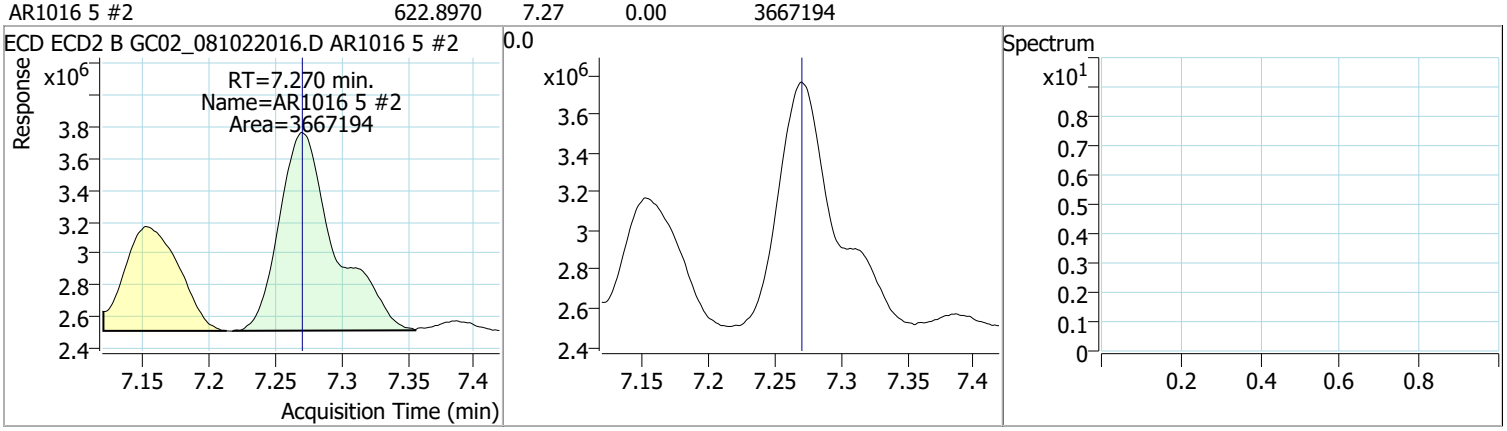
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	490.8177	6.32	0.00	5016583 (m)				



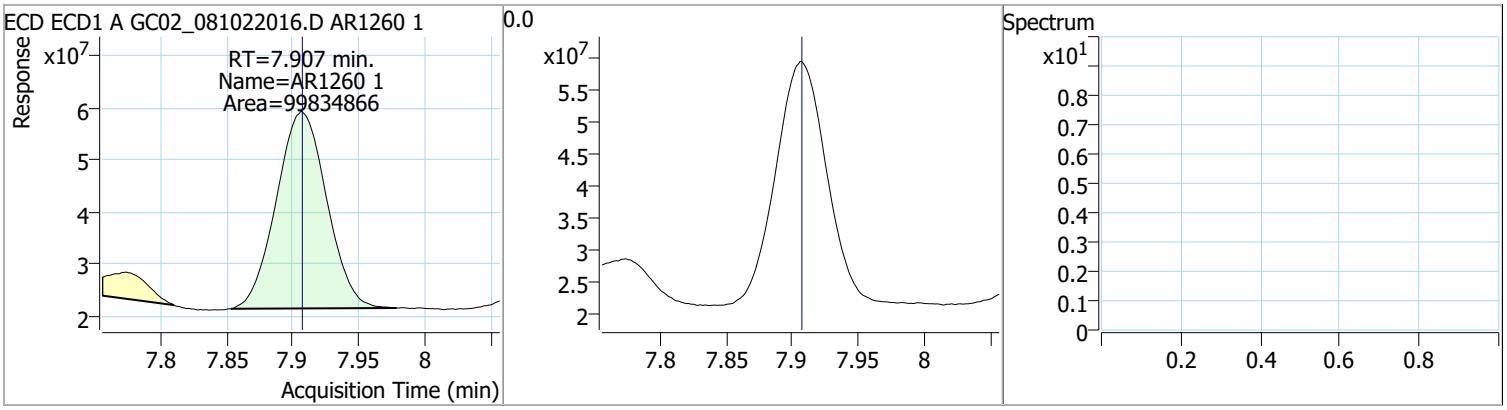
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	508.5200	6.48	0.00	3677980				



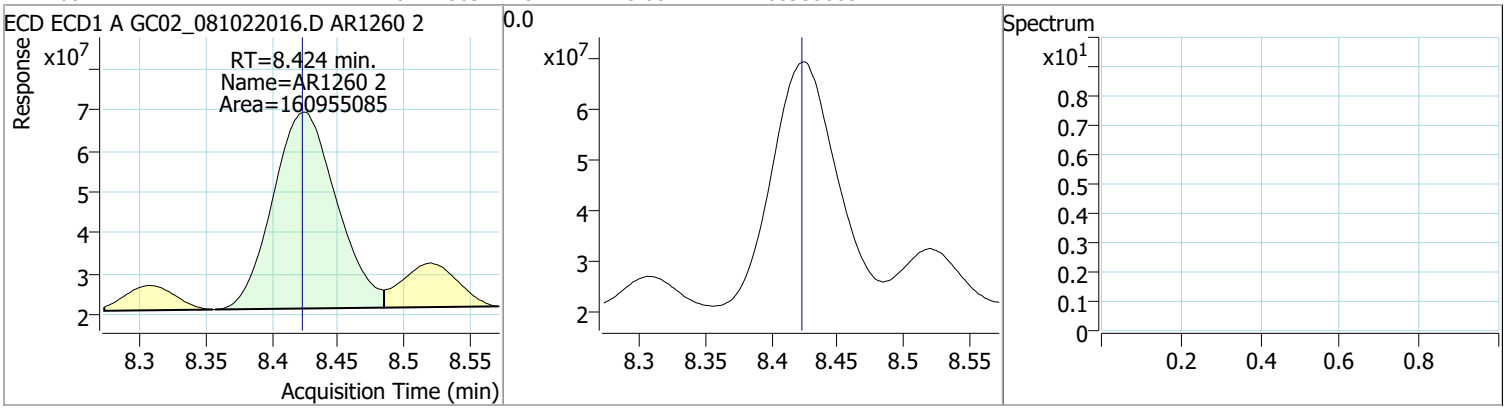
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	622.8970	7.27	0.00	3667194				



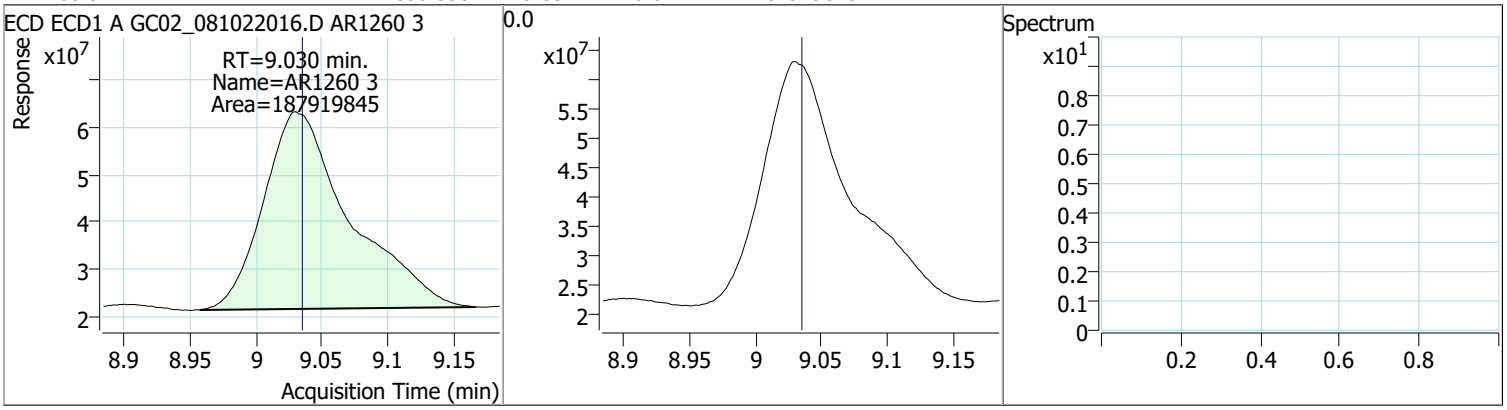
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	616.9907	7.91	0.00	99834866				



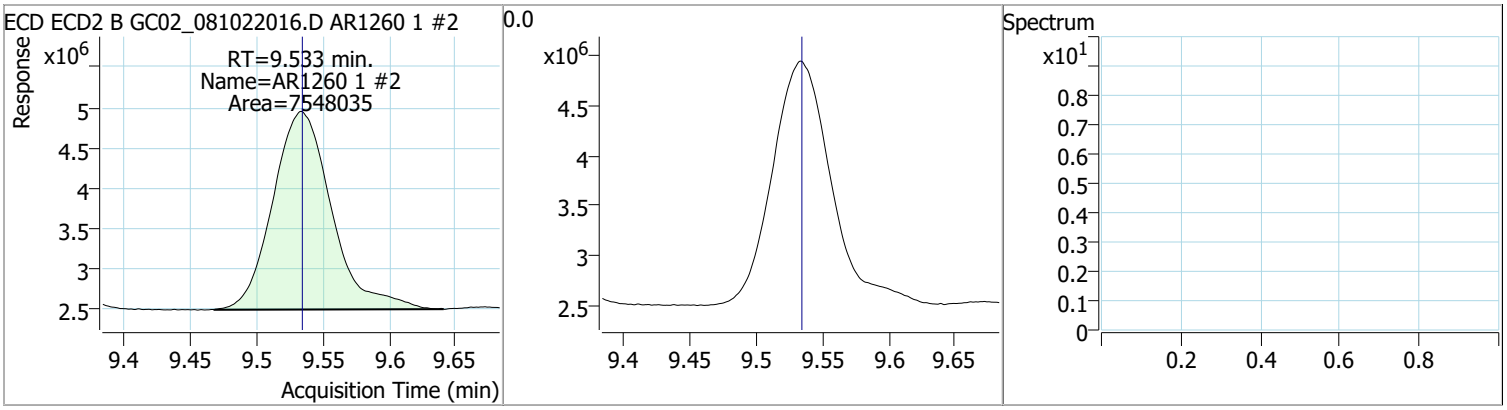
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	641.7559	8.42	0.00	160955085				



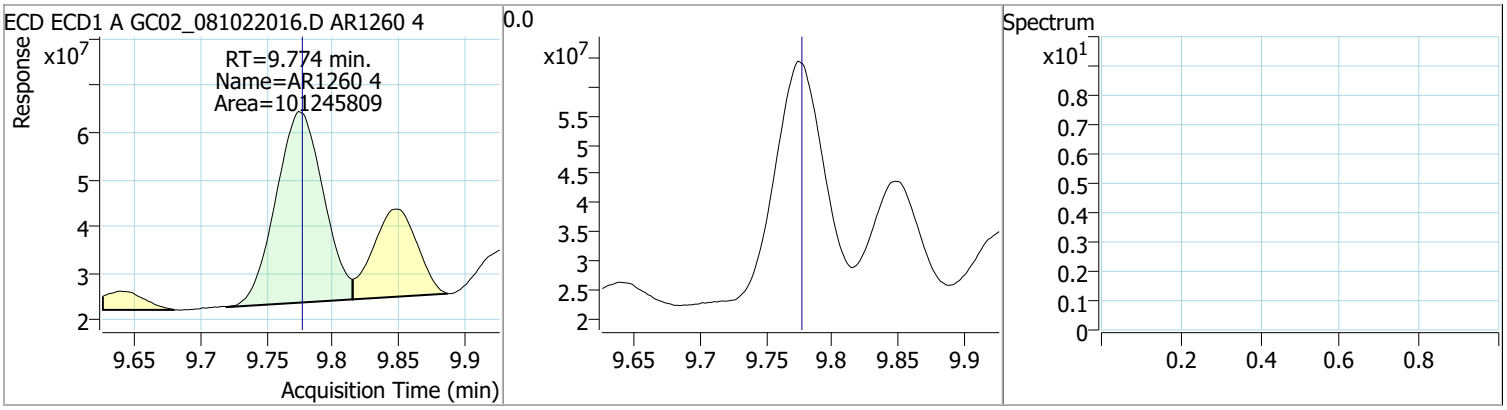
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	635.5581	9.03	-0.01	187919845				



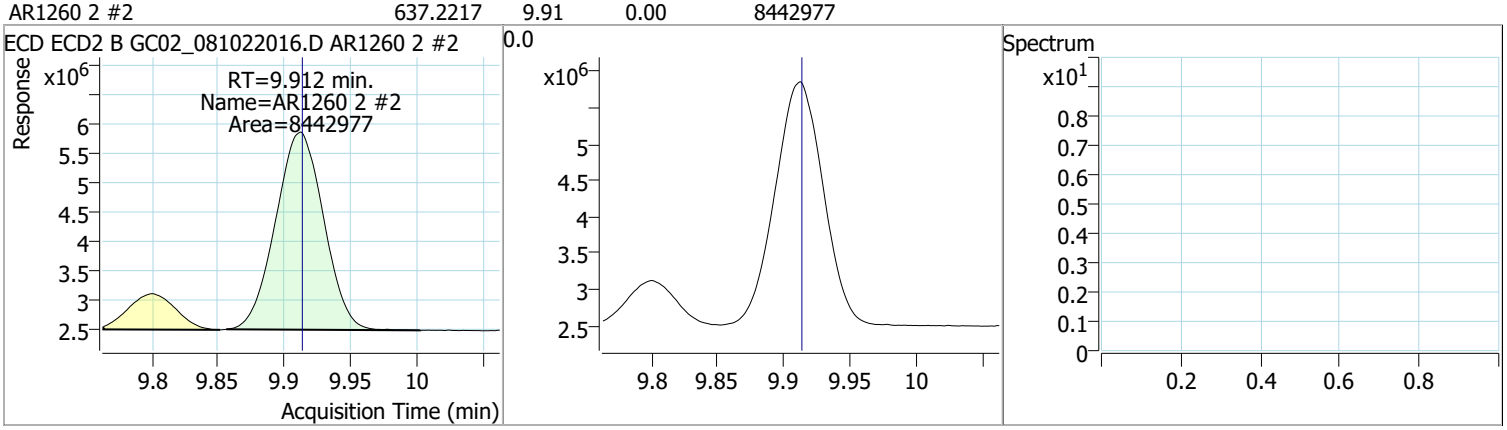
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	623.3575	9.53	0.00	7548035				



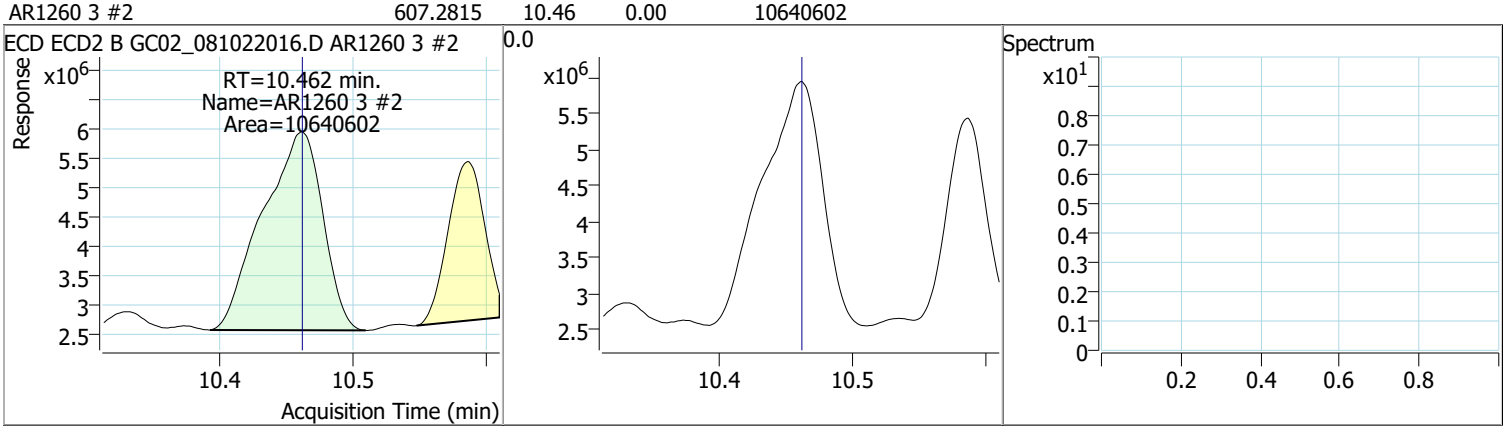
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	756.4749	9.77	0.00	101245809				



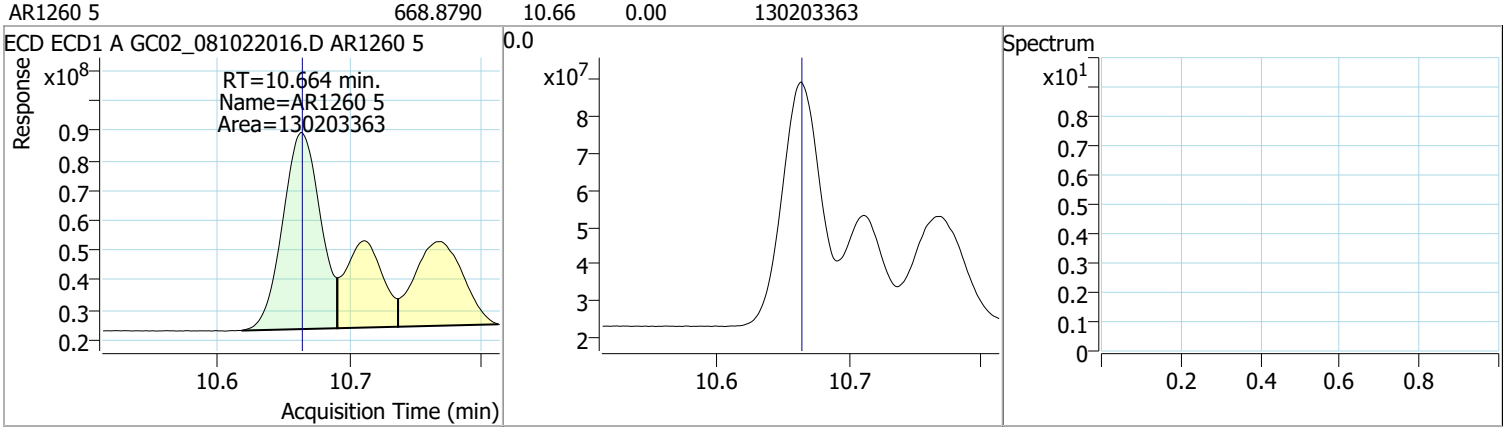
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	637.2217	9.91	0.00	8442977				



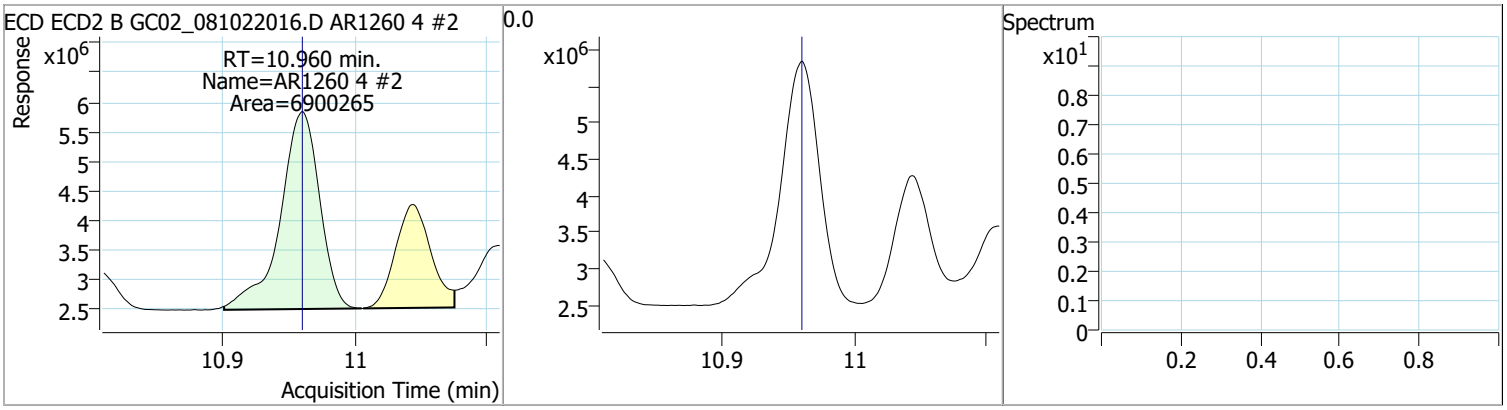
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	607.2815	10.46	0.00	10640602				



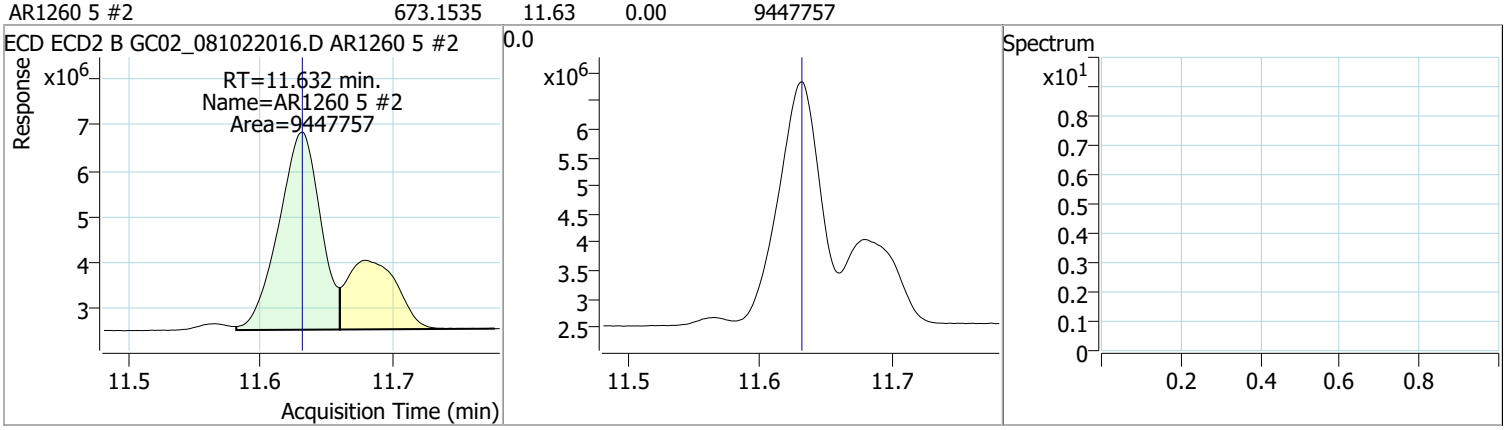
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	668.8790	10.66	0.00	130203363				



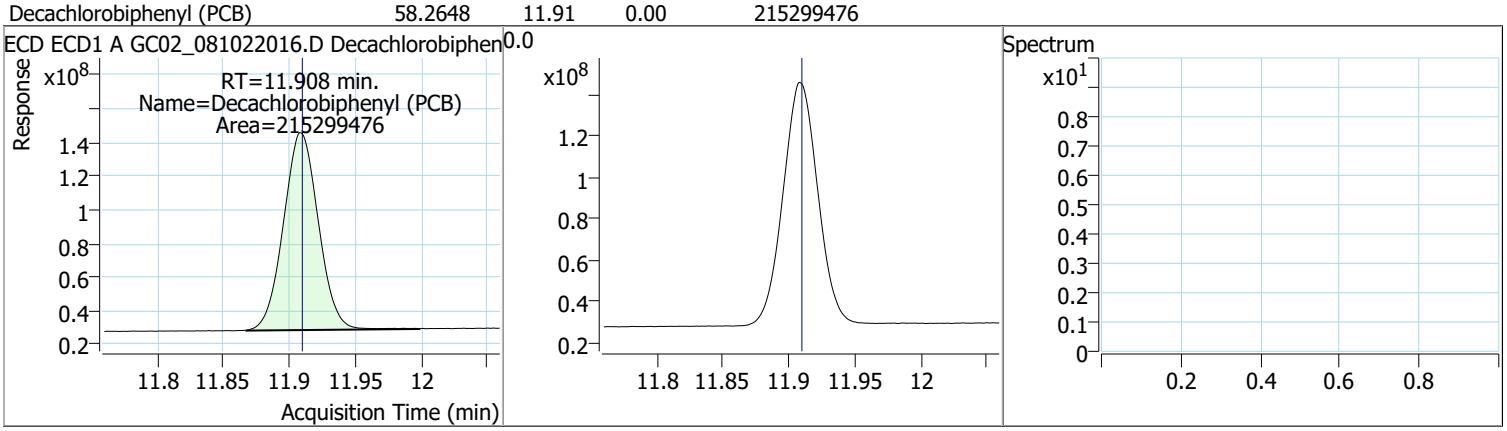
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	705.5822	10.96	0.00	6900265				



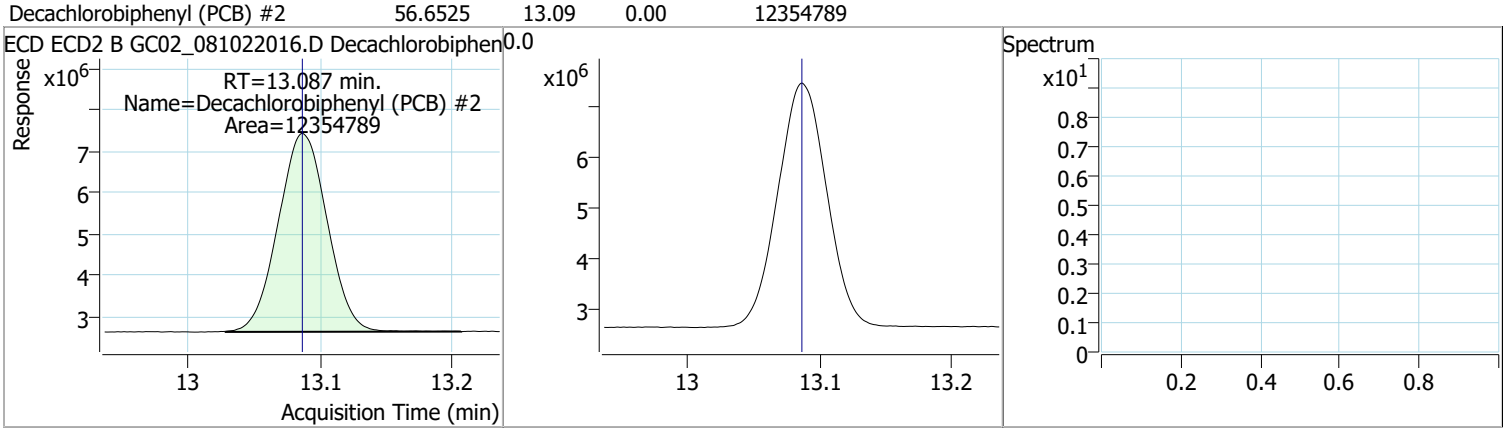
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	673.1535	11.63	0.00	9447757				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	58.2648	11.91	0.00	215299476				

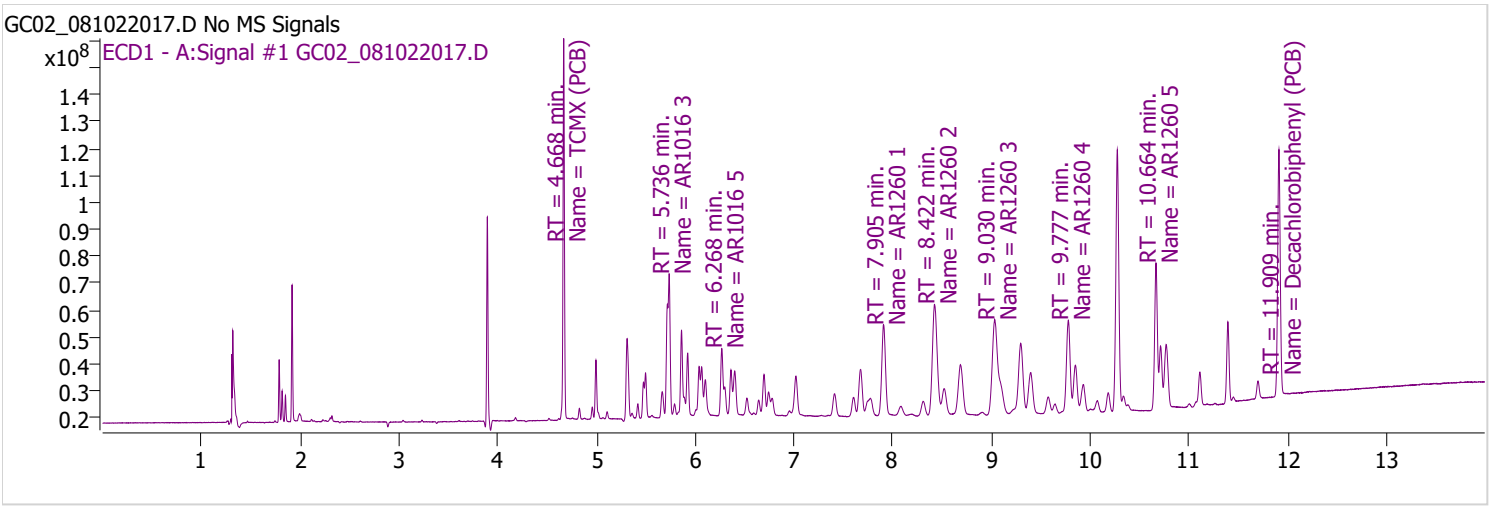


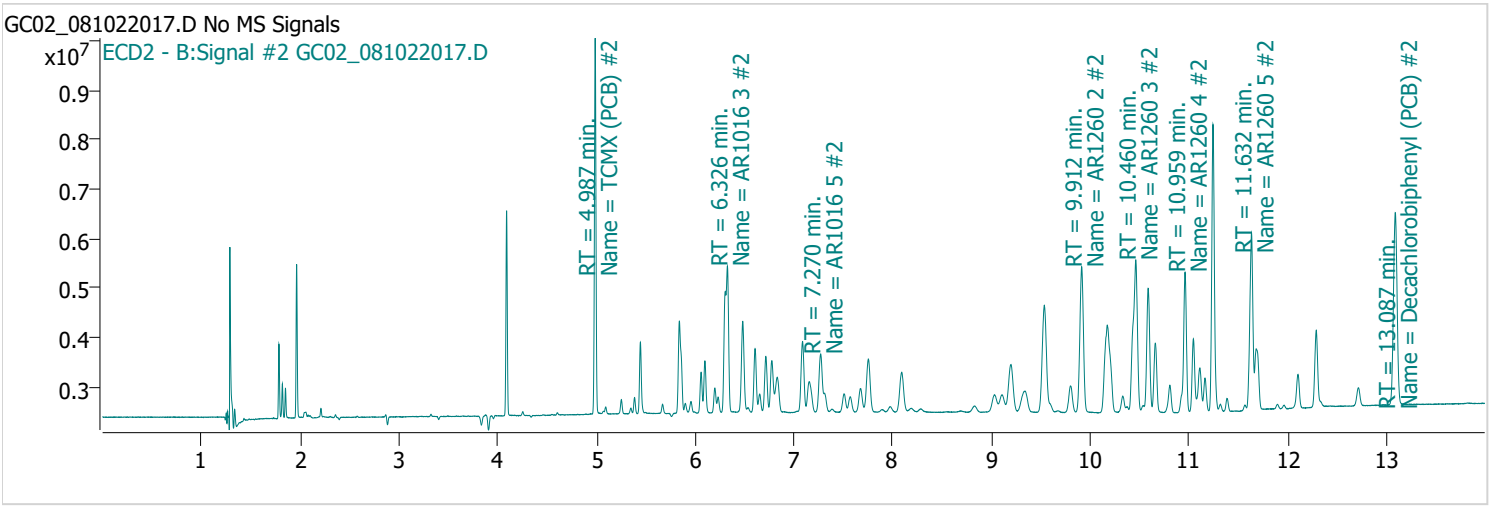
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	56.6525	13.09	0.00	12354789				



Quantitation Results Report (Not Reviewed)

Data File	GC02_081022017.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	8/10/2022 6:46:12 PM
Sample Name	QC1005788, 294760, 1	Instrument	SVOA-GC02
Vial	3	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_7.m	Comment	WIPE/1DM2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	081022PCB.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



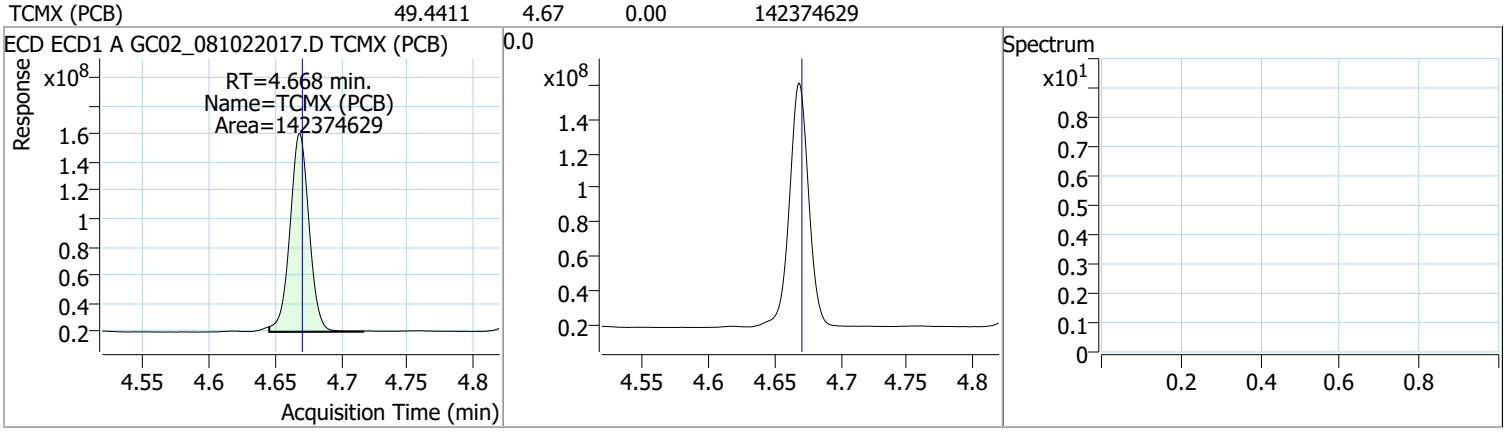


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.896	0.0	73858905.650	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.091	0.0	4004389.625	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.668	0.0	142374629.469	49.4411	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 247.21%		*	
S TCMX (PCB) #2	4.987	0.0	8323479.162	45.4906	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 227.45%		*	
S Decachlorobiphenyl (PCB)	11.909	0.0	168476273.189	48.7350	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 243.68%		*	
S Decachlorobiphenyl (PCB) #2	13.087	0.0	10050899.938	49.1351	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 245.68%		*	
Target Compounds							QValue

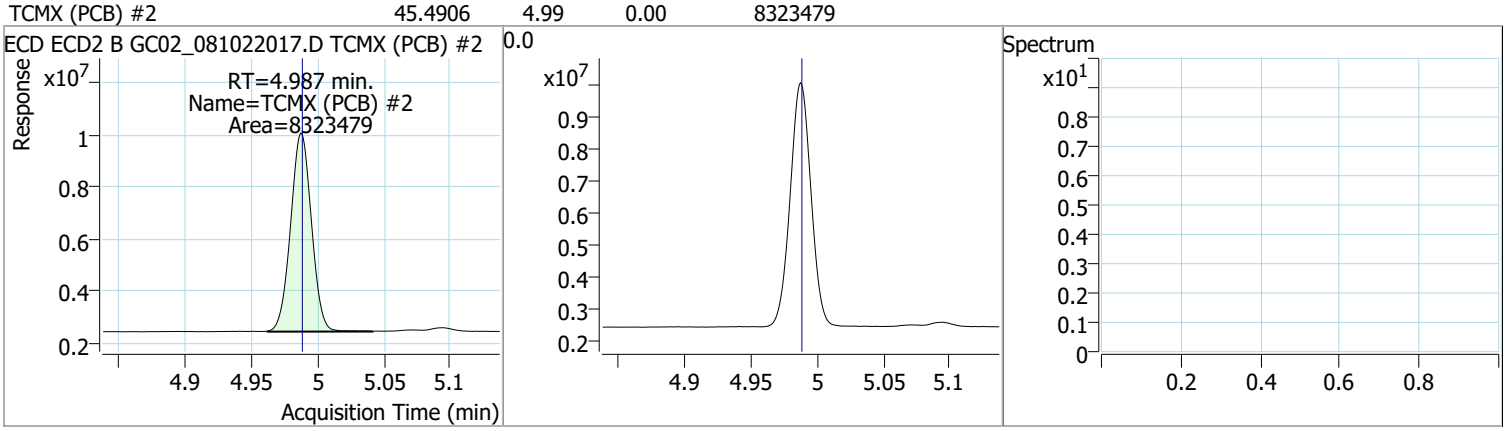
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.995	0.0	27167471.078	560.3484	ng/ml		100
T AR1016 2	5.311	0.0	51409534.677	549.2438	ng/ml		100
T AR1016 1 #2	5.445	0.0	1901665.949	504.0210	ng/ml		100
T AR1016 3	5.736	0.0	71990093.815	489.7169	ng/ml	m	100
T AR1016 2 #2	5.840	0.0	3968212.365	512.8416	ng/ml		100
T AR1016 4	5.862	0.0	50292085.793	584.7473	ng/ml		100
T AR1016 5	6.268	0.0	40457649.775	536.9709	ng/ml		100
T AR1016 3 #2	6.326	0.0	4927021.451	513.9258	ng/ml	m	100
T AR1016 4 #2	6.482	0.0	3451870.826	508.8115	ng/ml		100
T AR1016 5 #2	7.270	0.0	3400041.562	615.7017	ng/ml		100
T AR1260 1	7.905	0.0	87754258.184	579.7005	ng/ml		100
T AR1260 2	8.422	0.0	138017285.865	588.2171	ng/ml		100
T AR1260 3	9.030	0.0	159049981.209	574.9833	ng/ml		100
T AR1260 1 #2	9.534	0.0	6283201.300	553.2075	ng/ml		100
T AR1260 4	9.777	0.0	84224098.698	672.6558	ng/ml		100
T AR1260 2 #2	9.912	0.0	7392541.447	594.8294	ng/ml		100
T AR1260 3 #2	10.460	0.0	9173731.834	558.1791	ng/ml		100
T AR1260 5	10.664	0.0	105614026.446	579.9440	ng/ml		100
T AR1260 4 #2	10.959	0.0	5532952.820	603.1738	ng/ml		100
T AR1260 5 #2	11.632	0.0	7748175.695	588.5571	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

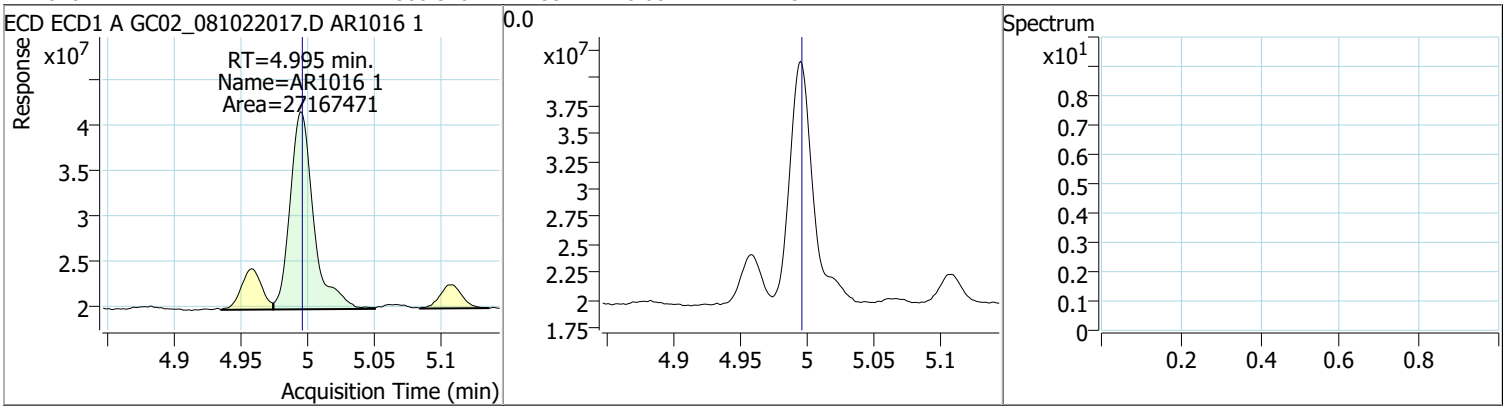
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	49.4411	4.67	0.00	142374629				



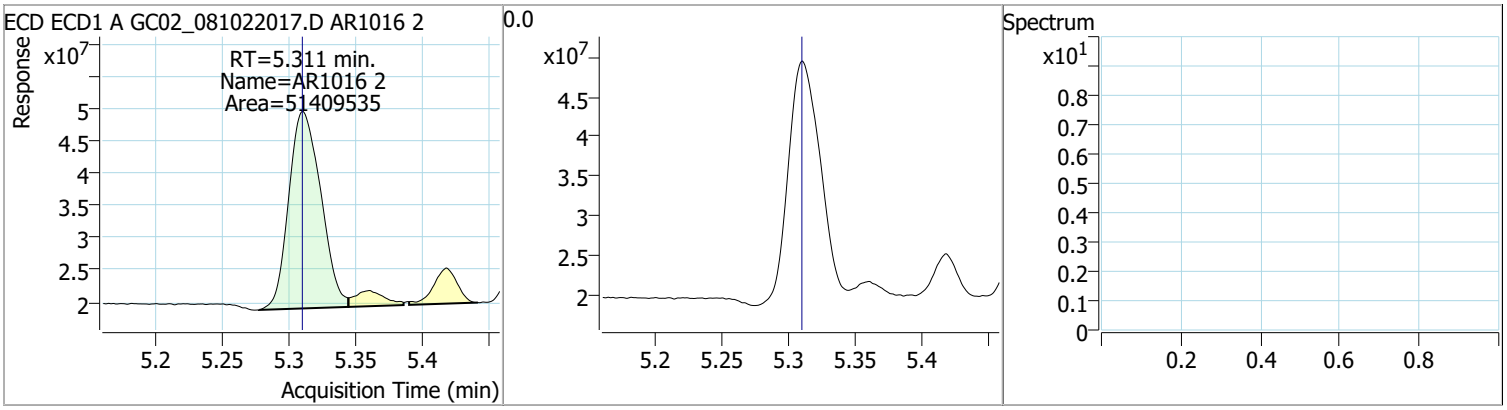
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	45.4906	4.99	0.00	8323479				



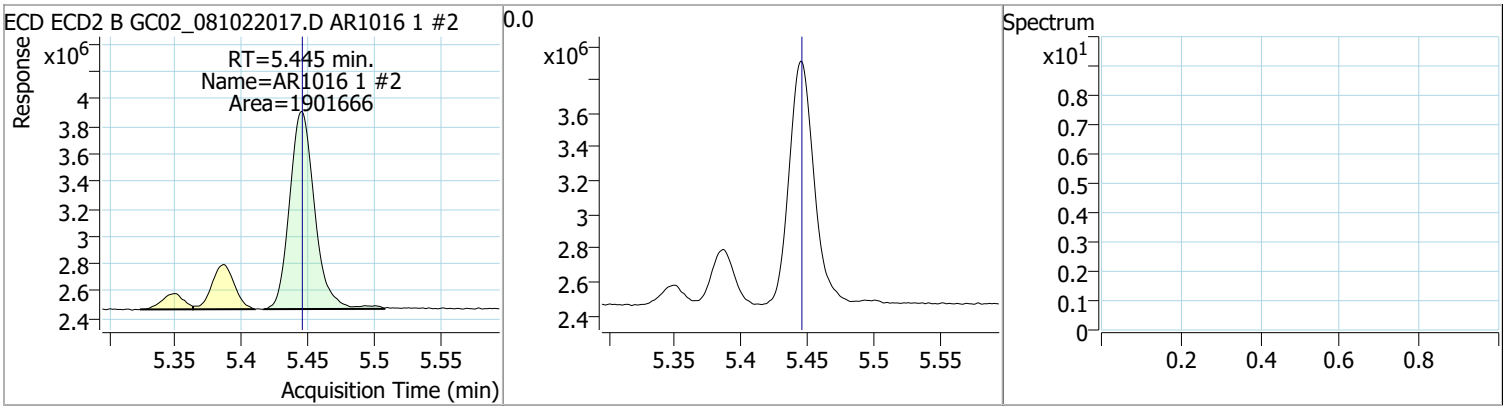
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	560.3484	4.99	0.00	27167471				



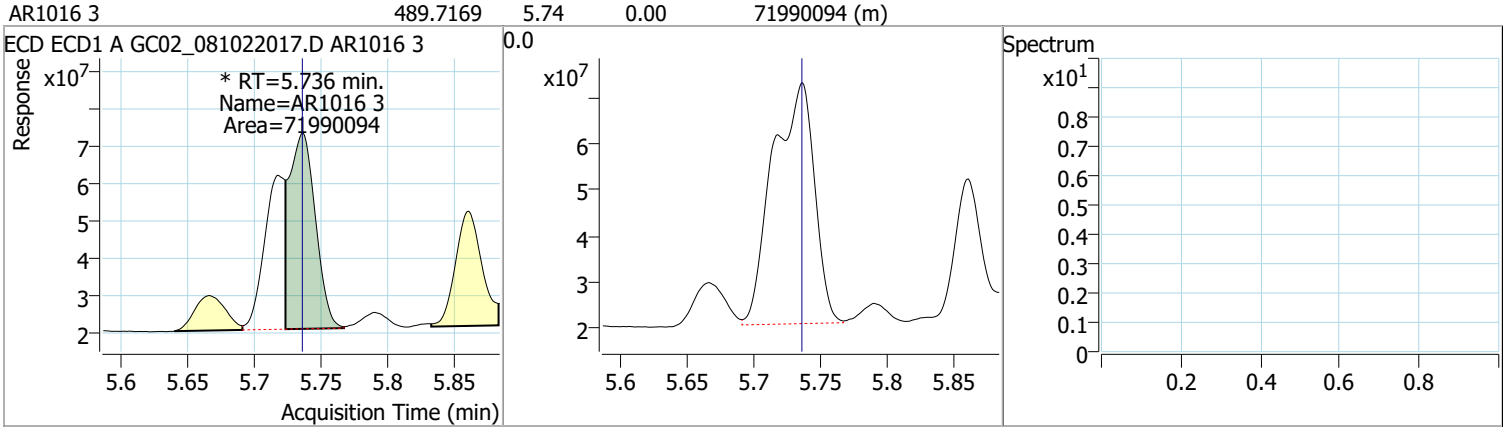
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	549.2438	5.31	0.00	51409535				



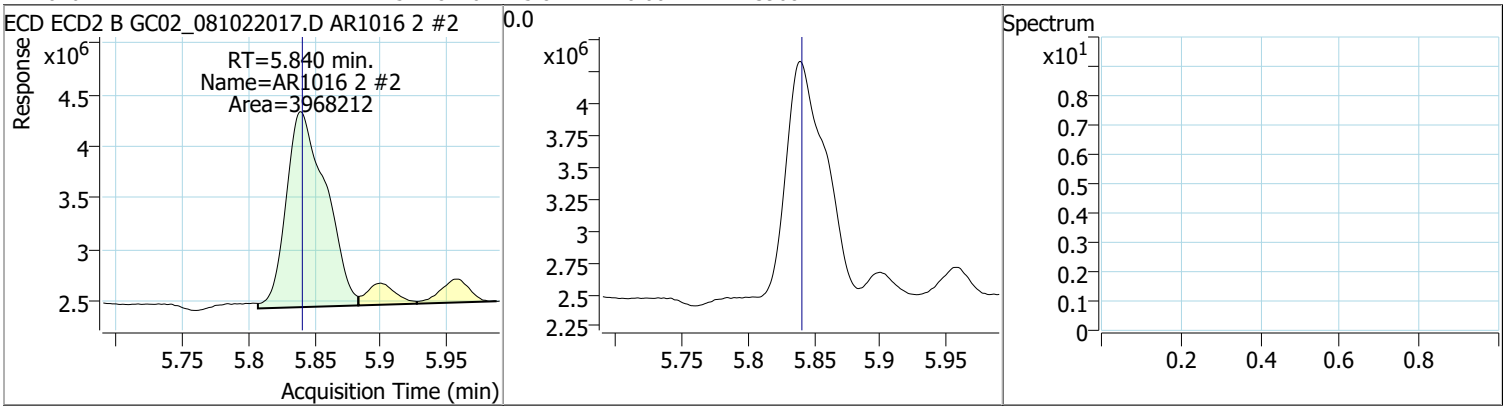
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	504.0210	5.44	0.00	1901666				



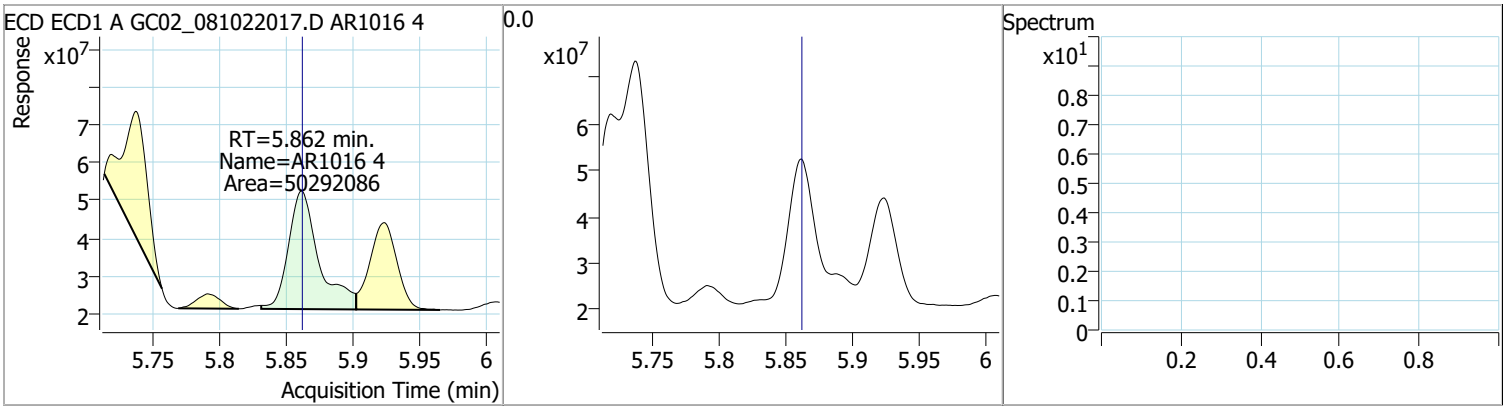
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	489.7169	5.74	0.00	71990094 (m)				



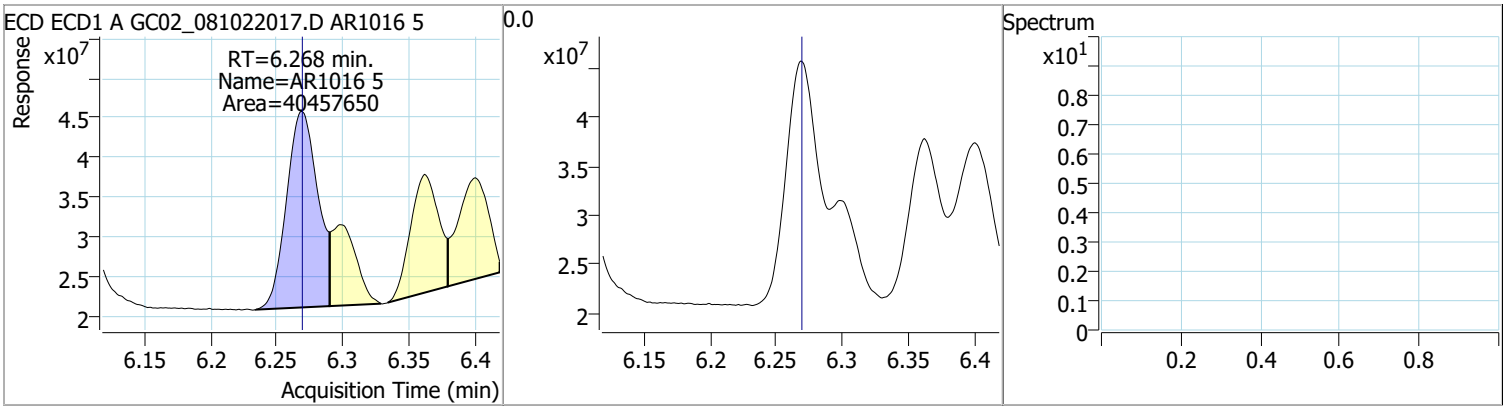
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	512.8416	5.84	0.00	3968212				



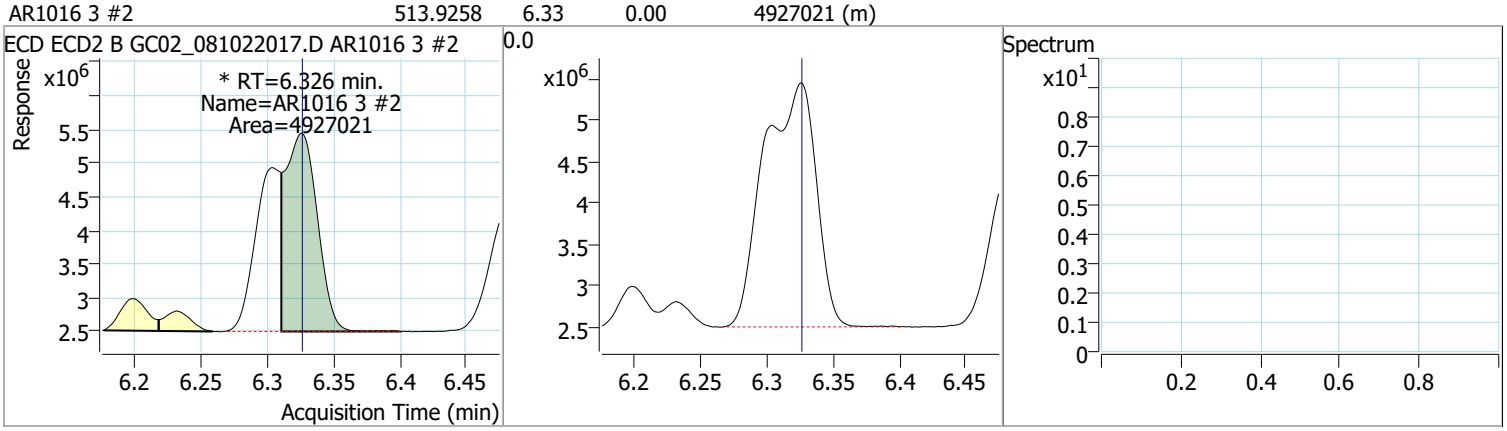
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	584.7473	5.86	0.00	50292086				



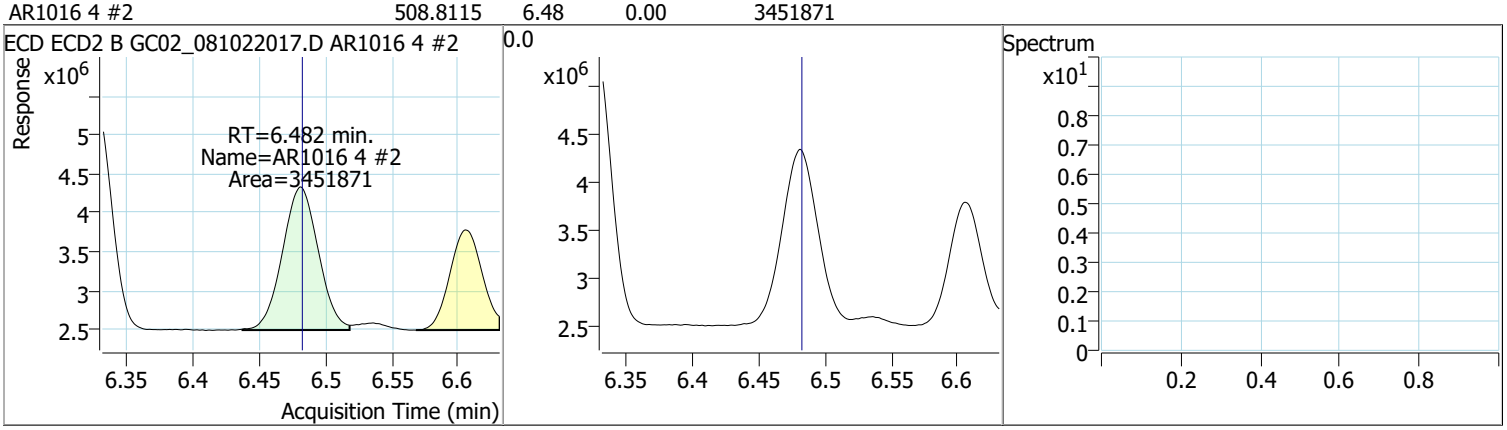
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	536.9709	6.27	0.00	40457650				



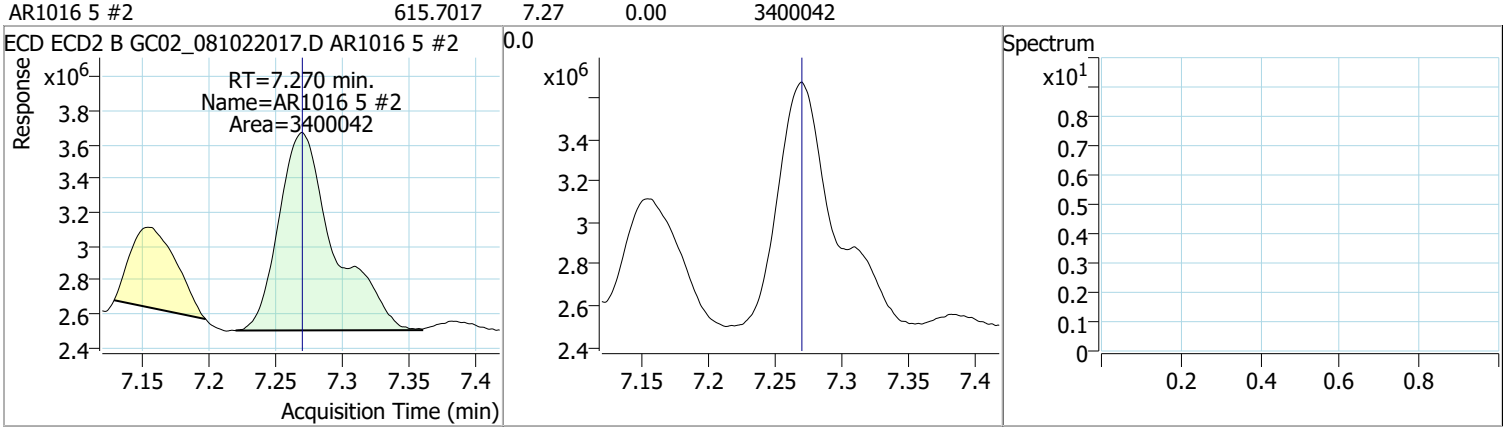
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	513.9258	6.33	0.00	4927021 (m)				



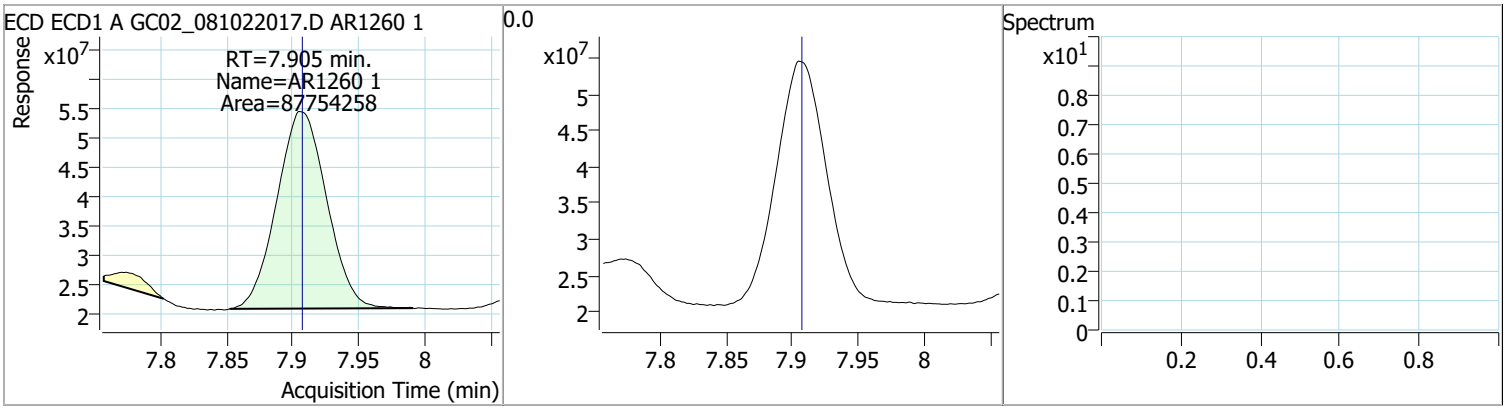
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	508.8115	6.48	0.00	3451871				



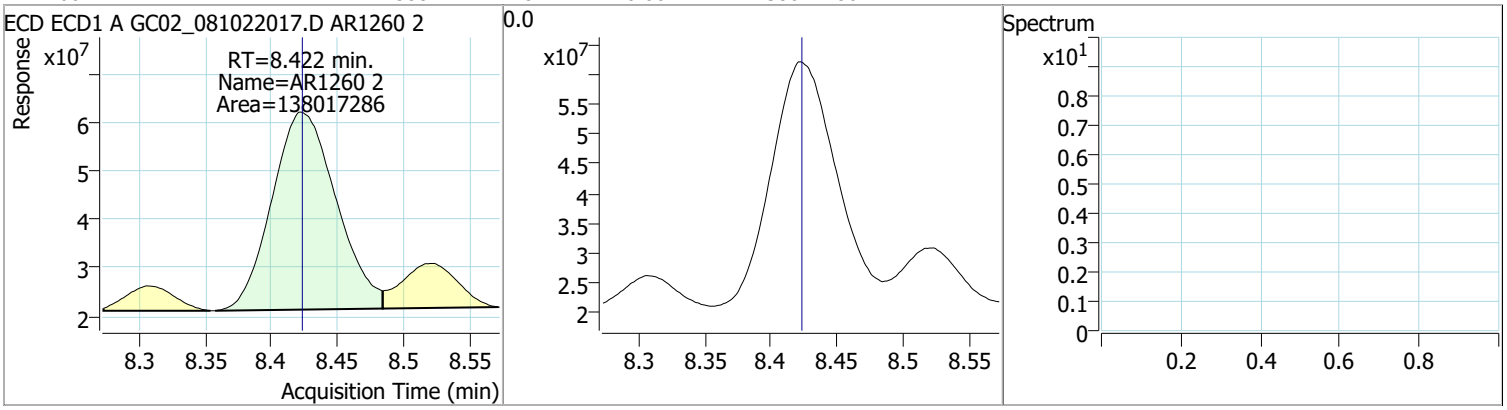
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	615.7017	7.27	0.00	3400042				



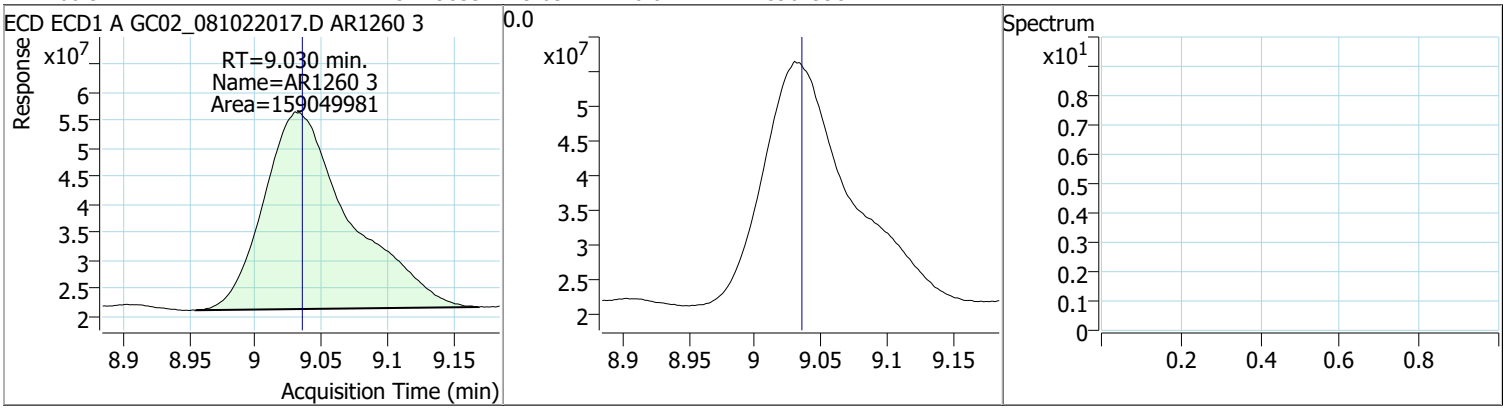
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	579.7005	7.90	0.00	87754258				



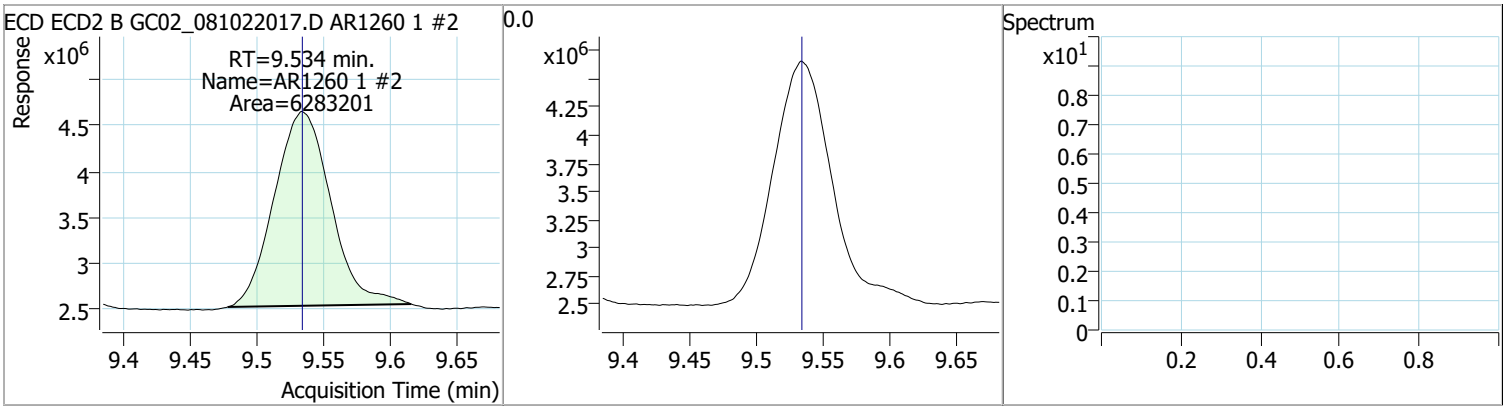
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	588.2171	8.42	0.00	138017286				



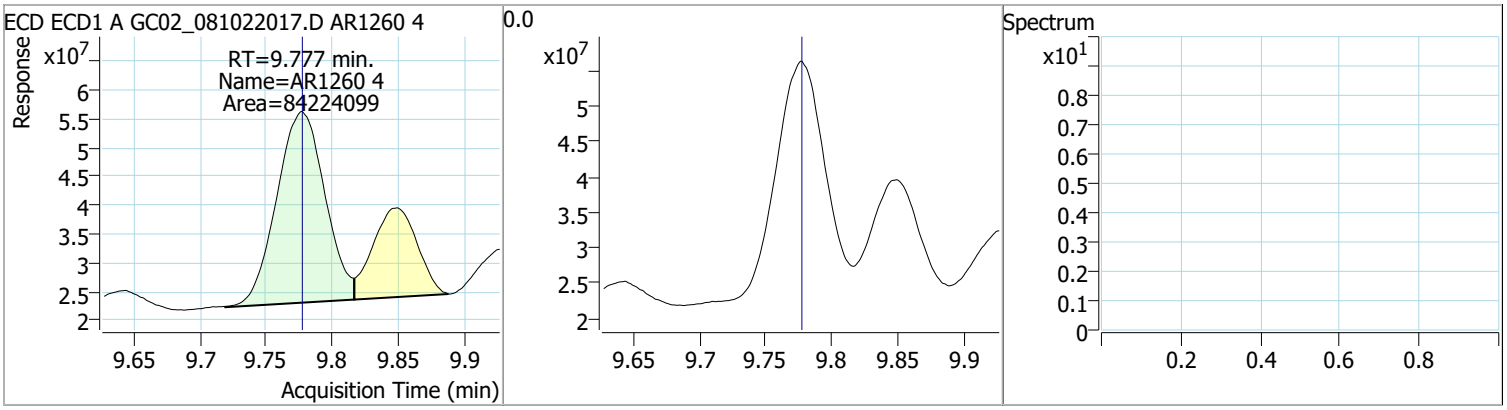
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	574.9833	9.03	-0.01	159049981				



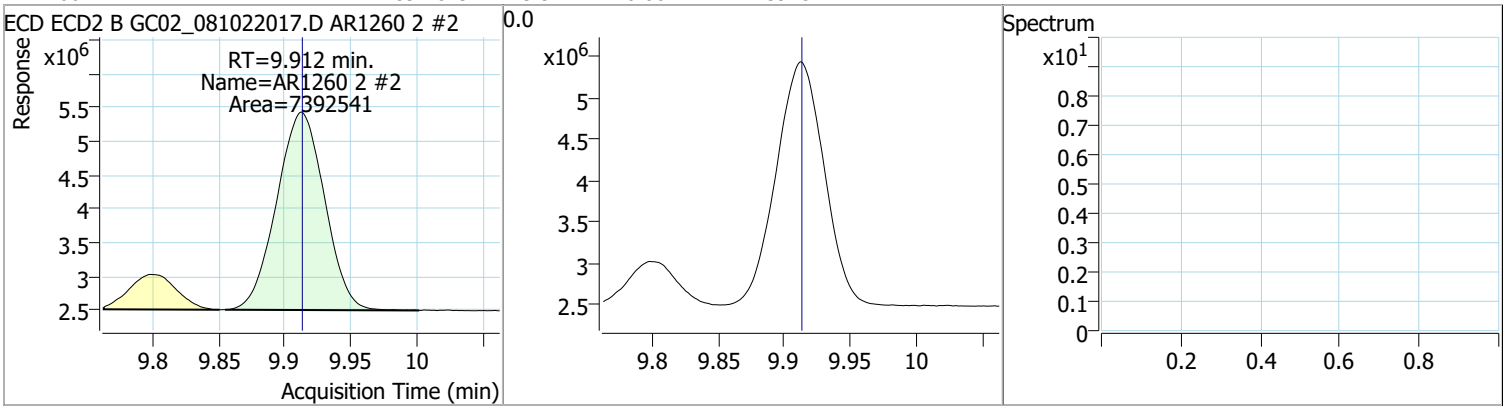
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	553.2075	9.53	0.00	6283201				



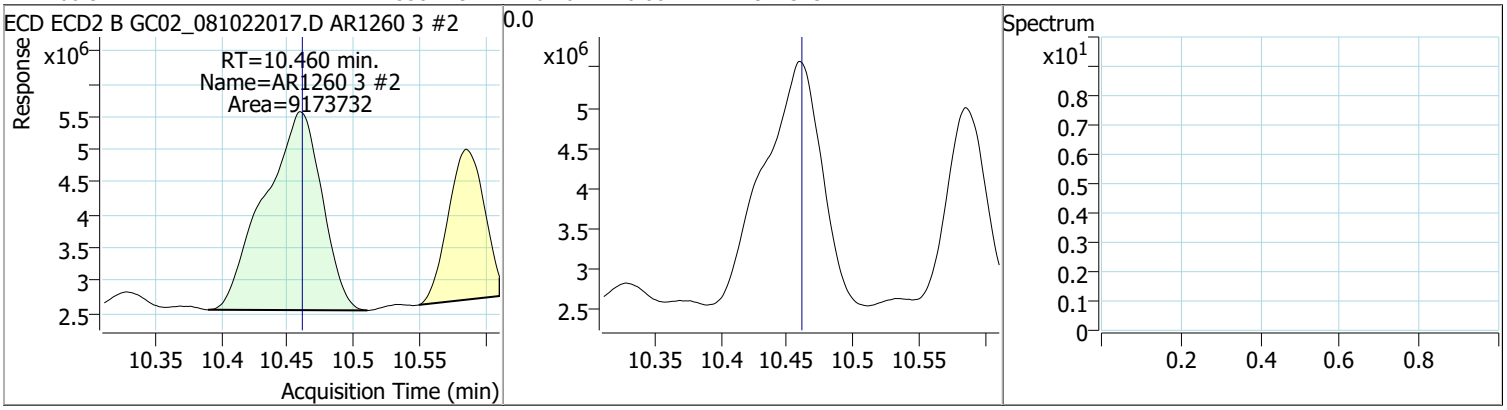
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	672.6558	9.78	0.00	84224099				



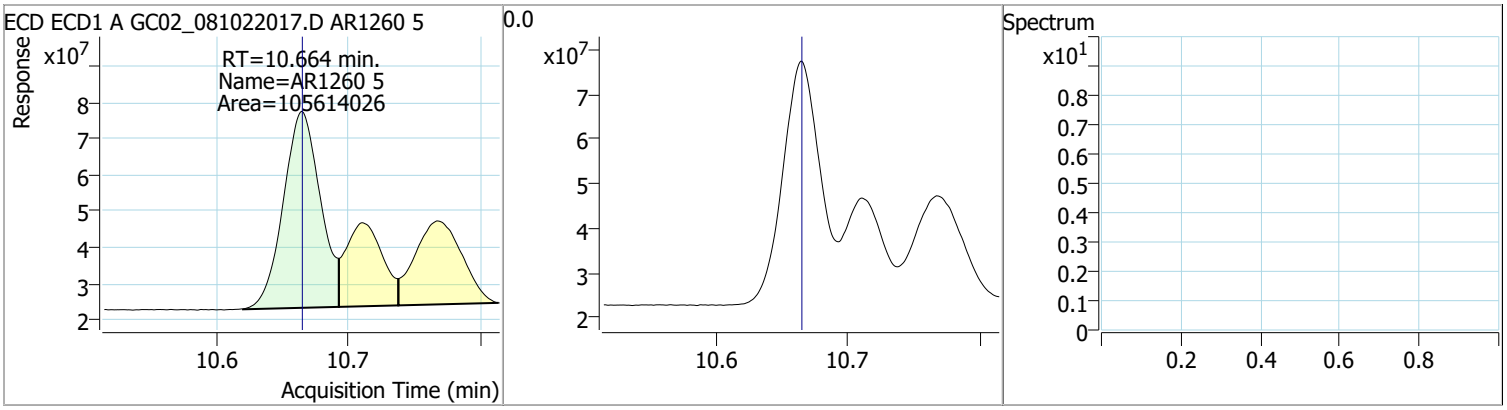
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	594.8294	9.91	0.00	7392541				



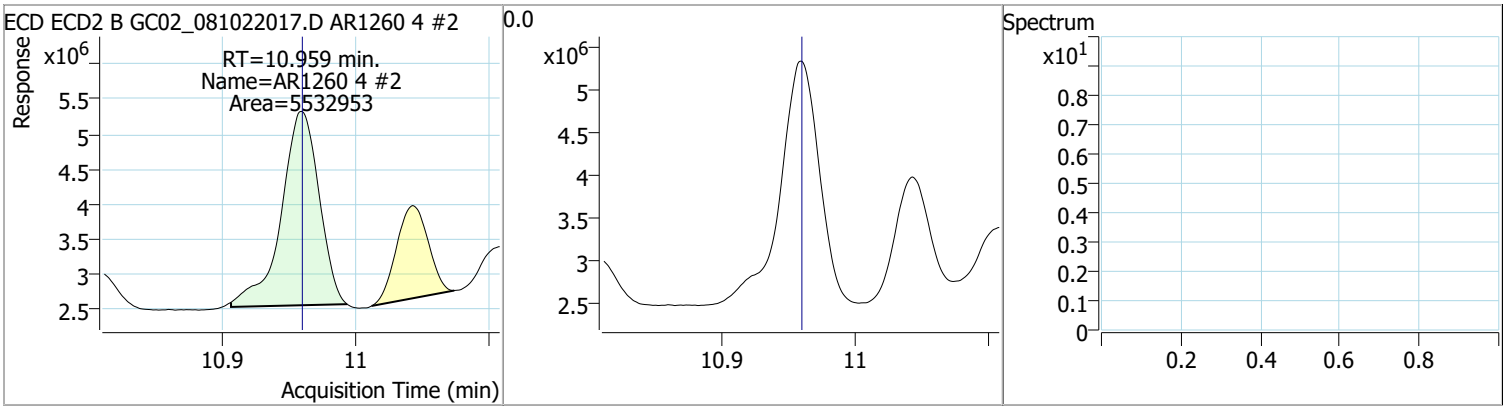
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	558.1791	10.46	0.00	9173732				



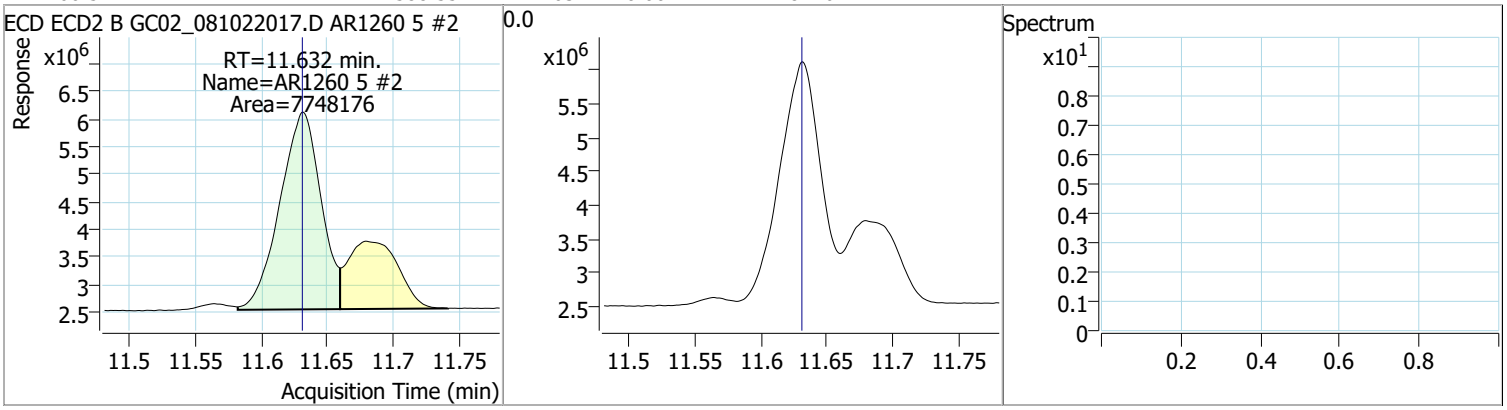
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	579.9440	10.66	0.00	105614026				



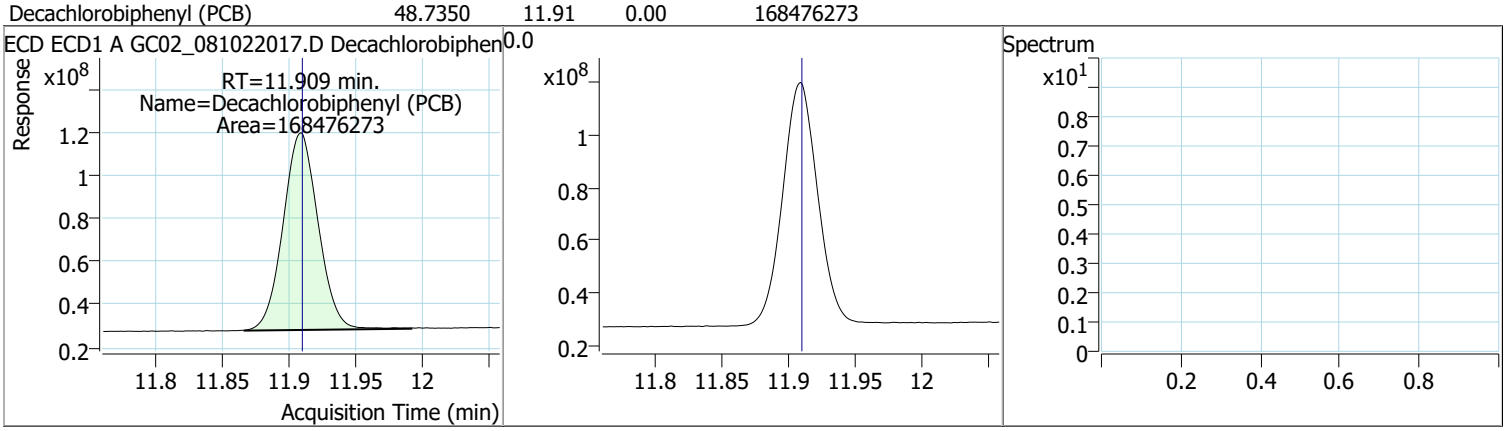
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	603.1738	10.96	0.00	5532953				



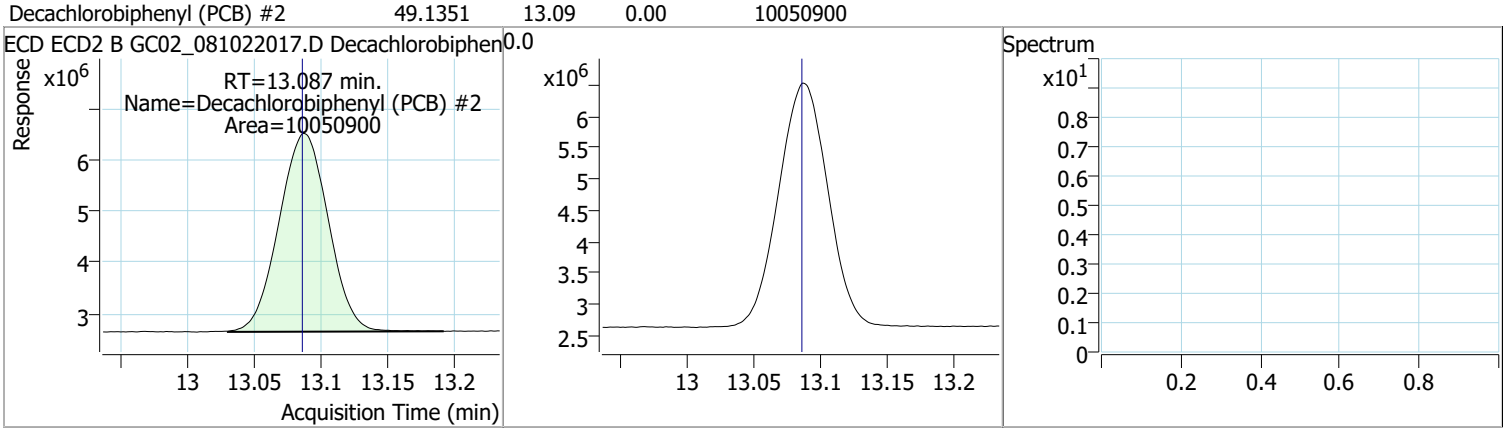
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	588.5571	11.63	0.00	7748176				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	48.7350	11.91	0.00	168476273				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	49.1351	13.09	0.00	10050900				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 467089 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_072622_1
Calibration #:	212298819002	Date:	27-JUL-2022 08:03
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc02_072622-044	212298819044		27-JUL-2022 08:03	S17023 (100X), S17010 (250X)
L2	gc02_072622-045	212298819045		27-JUL-2022 08:21	S17023 (40X), S17010 (250X)
L3	gc02_072622-046	212298819046		27-JUL-2022 08:38	S17023 (20X), S17010 (250X)
L4	gc02_072622-047	212298819047		27-JUL-2022 08:56	S17023 (8X), S17010 (250X)
L5	gc02_072622-048	212298819048		27-JUL-2022 09:14	S17023 (4X), S17010 (250X)
L6	gc02_072622-049	212298819049		27-JUL-2022 09:32	S17023 (2.667X), S17010 (250X)
L7	gc02_072622-050	212298819050		27-JUL-2022 09:50	S17023 (2X), S17010 (250X)
L8	gc02_072622-051	212298819051		27-JUL-2022 10:07	S17023 (1.33X), S17010 (250X)
L9	gc02_072622-052	212298819052		27-JUL-2022 10:25	S17023, S17010 (250X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		76.1896		0.0131	13	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		39.4649		0.0253	14	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		25.1211		0.0398	11	7	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		42.9497		0.0233	11	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		49.0276		0.0204	11	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		24.4019		0.0410	12	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		15.7433		0.0635	12	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		13.3542		0.0749	12	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		29.5041		0.0339	12	7	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		20.2842		0.0493	17	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		1.06860		0.9358	16	9	.99	20	
TCMX (PCB)	A	AVRG		1.28277		0.7796	11	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		53.0790		0.0188	15	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		25.8819		0.0386	15	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		20.8894		0.0479	15	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		29.5198		0.0339	14	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		36.2658		0.0276	12	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		17.6325		0.0567	16	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		16.1140		0.0621	18	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		12.1852		0.0821	16	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		21.8319		0.0458	18	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		15.2122		0.0657	17	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.97903		1.0214	15	9	.99	20	
TCMX (PCB)	B	AVRG		1.09453		0.9136	14	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 467089 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_072622_1
Calibration #:	212298819002	Date:	27-JUL-2022 08:03
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0124	0.0159	0.0151	0.0143	0.0113	0.0113	0.0132	0.0129	0.0118
Aroclor-1016 Peak # 2	A	0.0260	0.0317	0.0287	0.0267	0.0219	0.0217	0.0258	0.0255	0.0201
Aroclor-1016 Peak # 3	A	0.0400	0.0466	0.0424	0.0403	0.0326	0.0359	0.0410		
Aroclor-1016 Peak # 4	A	0.0251	0.0279	0.0243	0.0239	0.0190	0.0202	0.0230	0.0239	0.0224
Aroclor-1016 Peak # 5	A	0.0214	0.0243	0.0219	0.0206	0.0167	0.0176	0.0202	0.0207	0.0202
Aroclor-1260 Peak # 1	A	0.0417	0.0513	0.0432	0.0409	0.0338	0.0354	0.0422	0.0410	0.0392
Aroclor-1260 Peak # 2	A	0.0588	0.0795	0.0673	0.0620	0.0522	0.0568	0.0678	0.0646	0.0626
Aroclor-1260 Peak # 3	A	0.0762	0.0938	0.0741	0.0703	0.0621	0.0688	0.0716	0.0800	0.0770
Aroclor-1260 Peak # 4	A		0.0400	0.0357	0.0320	0.0274	0.0309	0.0365	0.0348	
Aroclor-1260 Peak # 5	A	0.0384	0.0568	0.0490	0.0479	0.0381	0.0442	0.0535	0.0516	0.0642
Decachlorobiphenyl (PCB)	A	0.8306	1.0837	0.8904	0.8451	0.7096	0.8383	1.1608	1.1188	0.9449
TCMX (PCB)	A	0.7544	0.9272	0.8229	0.7940	0.6450	0.6715	0.7924	0.8110	0.7977
Aroclor-1016 Peak # 1	B	0.0224	0.0226	0.0214	0.0202	0.0159	0.0159	0.0176	0.0166	0.0169
Aroclor-1016 Peak # 2	B	0.0404	0.0500	0.0444	0.0422	0.0329	0.0328	0.0361	0.0339	0.0351
Aroclor-1016 Peak # 3	B	0.0507	0.0605	0.0546	0.0531	0.0402	0.0400	0.0442	0.0431	0.0446
Aroclor-1016 Peak # 4	B	0.0352	0.0425	0.0383	0.0373	0.0293	0.0286	0.0316	0.0305	0.0315
Aroclor-1016 Peak # 5	B	0.0294	0.0338	0.0309	0.0283	0.0234	0.0242	0.0267	0.0252	0.0265
Aroclor-1260 Peak # 1	B	0.0572	0.0749	0.0666	0.0591	0.0471	0.0494	0.0544	0.0495	0.0522
Aroclor-1260 Peak # 2	B	0.0656	0.0855	0.0733	0.0644	0.0514	0.0533	0.0585	0.0528	0.0539
Aroclor-1260 Peak # 3	B	0.0834	0.1106	0.0947	0.0846	0.0677	0.0716	0.0784	0.0714	0.0763
Aroclor-1260 Peak # 4	B	0.0517	0.0638	0.0515	0.0458	0.0384	0.0409	0.0389	0.0400	0.0412
Aroclor-1260 Peak # 5	B	0.0689	0.0885	0.0756	0.0676	0.0532	0.0571	0.0610	0.0552	0.0646
Decachlorobiphenyl (PCB)	B	1.0276	1.3642	1.1241	1.0112	0.8307	0.9396	1.0059	0.9072	0.9824
TCMX (PCB)	B	1.0052	1.1320	1.0317	0.9356	0.7617	0.7712	0.8665	0.8338	0.8850

ENTHALPY INITIAL CALIBRATION FOR 467089 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_072622_1
Calibration #:	212298819002	Date:	27-JUL-2022 08:03
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	-6	50.000	**21**	100.00	15	250.00	9	500.00	-14	749.91	-14	1000.0	0	1503.8	-1
Aroclor-1016 Peak # 2	A	20.000	2	50.000	**25**	100.00	13	250.00	5	500.00	-14	749.91	-14	1000.0	2	1503.8	1
Aroclor-1016 Peak # 3	A	20.000	0	50.000	17	100.00	7	250.00	1	500.00	-18	749.91	-10	1000.0	3		
Aroclor-1016 Peak # 4	A	20.000	8	50.000	20	100.00	4	250.00	3	500.00	-18	749.91	-13	1000.0	-1	1503.8	3
Aroclor-1016 Peak # 5	A	20.000	5	50.000	19	100.00	7	250.00	1	500.00	-18	749.91	-14	1000.0	-1	1503.8	2
Aroclor-1260 Peak # 1	A	20.000	2	50.000	**25**	100.00	6	250.00	0	500.00	-18	749.91	-14	1000.0	3	1503.8	0
Aroclor-1260 Peak # 2	A	20.000	-7	50.000	**25**	100.00	6	250.00	-2	500.00	-18	749.91	-11	1000.0	7	1503.8	2
Aroclor-1260 Peak # 3	A	20.000	2	50.000	**25**	100.00	-1	250.00	-6	500.00	-17	749.91	-8	1000.0	-4	1503.8	7
Aroclor-1260 Peak # 4	A			50.000	18	100.00	5	250.00	-5	500.00	-19	749.91	-9	1000.0	8	1503.8	3
Aroclor-1260 Peak # 5	A	20.000	**-22**	50.000	15	100.00	-1	250.00	-3	500.00	**-23**	749.91	-10	1000.0	8	1503.8	5
Decachlorobiphenyl (PCB)	A	0.8000	-11	2.0000	16	4.0000	-5	10.000	-10	20.000	**-24**	29.996	-10	40.000	**24**	60.150	20
TCMX (PCB)	A	0.8000	-3	2.0000	19	4.0000	6	10.000	2	20.000	-17	29.996	-14	40.000	2	60.150	4
Aroclor-1016 Peak # 1	B	20.000	19	50.000	20	100.00	14	250.00	7	500.00	-16	749.91	-16	1000.0	-7	1503.8	-12
Aroclor-1016 Peak # 2	B	20.000	4	50.000	**29**	100.00	15	250.00	9	500.00	-15	749.91	-15	1000.0	-7	1503.8	-12
Aroclor-1016 Peak # 3	B	20.000	6	50.000	**26**	100.00	14	250.00	11	500.00	-16	749.91	-17	1000.0	-8	1503.8	-10
Aroclor-1016 Peak # 4	B	20.000	4	50.000	**25**	100.00	13	250.00	10	500.00	-14	749.91	-15	1000.0	-7	1503.8	-10
Aroclor-1016 Peak # 5	B	20.000	7	50.000	**22**	100.00	12	250.00	2	500.00	-15	749.91	-12	1000.0	-3	1503.8	-9
Aroclor-1260 Peak # 1	B	20.000	1	50.000	**32**	100.00	17	250.00	4	500.00	-17	749.91	-13	1000.0	-4	1503.8	-13
Aroclor-1260 Peak # 2	B	20.000	6	50.000	**38**	100.00	18	250.00	4	500.00	-17	749.91	-14	1000.0	-6	1503.8	-15
Aroclor-1260 Peak # 3	B	20.000	2	50.000	**35**	100.00	15	250.00	3	500.00	-17	749.91	-13	1000.0	-5	1503.8	-13
Aroclor-1260 Peak # 4	B	20.000	13	50.000	**39**	100.00	12	250.00	0	500.00	-16	749.91	-11	1000.0	-15	1503.8	-13
Aroclor-1260 Peak # 5	B	20.000	5	50.000	**35**	100.00	15	250.00	3	500.00	-19	749.91	-13	1000.0	-7	1503.8	-16
Decachlorobiphenyl (PCB)	B	0.8000	1	2.0000	**34**	4.0000	10	10.000	-1	20.000	-19	29.996	-8	40.000	-2	60.150	-11
TCMX (PCB)	B	0.8000	10	2.0000	**24**	4.0000	13	10.000	2	20.000	-17	29.996	-16	40.000	-5	60.150	-9

ENTHALPY INITIAL CALIBRATION FOR 467089 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_072622_1
Calibration #:	212298819002	Date:	27-JUL-2022 08:03
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-10
Aroclor-1016 Peak # 2	A	2000.0	**-21**
Aroclor-1016 Peak # 3	A		
Aroclor-1016 Peak # 4	A	2000.0	-4
Aroclor-1016 Peak # 5	A	2000.0	-1
Aroclor-1260 Peak # 1	A	2000.0	-4
Aroclor-1260 Peak # 2	A	2000.0	-1
Aroclor-1260 Peak # 3	A	2000.0	3
Aroclor-1260 Peak # 4	A		
Aroclor-1260 Peak # 5	A	2000.0	**30**
Decachlorobiphenyl (PCB)	A	80.000	1
TCMX (PCB)	A	80.000	2
Aroclor-1016 Peak # 1	B	2000.0	-11
Aroclor-1016 Peak # 2	B	2000.0	-9
Aroclor-1016 Peak # 3	B	2000.0	-7
Aroclor-1016 Peak # 4	B	2000.0	-7
Aroclor-1016 Peak # 5	B	2000.0	-4
Aroclor-1260 Peak # 1	B	2000.0	-8
Aroclor-1260 Peak # 2	B	2000.0	-13
Aroclor-1260 Peak # 3	B	2000.0	-7
Aroclor-1260 Peak # 4	B	2000.0	-10
Aroclor-1260 Peak # 5	B	2000.0	-2
Decachlorobiphenyl (PCB)	B	80.000	-4
TCMX (PCB)	B	80.000	-3

TRN 07/27/22 : Manually integrated peak for coeluting peak,negative/positive baseline, both/one channel for multiple levels

Analyst: TRN 07/27/22 *

Reviewer: LW 07/27/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 467089 PCBS Wipe

EPA 8082

Inst:	SVOA-GC02	Name:	PCB_072622_1
Calnum:	212298819002	Cal Date:	27-JUL-2022

- ICV 212298819054 (gc02_072622-054 27-JUL-2022) stds: S16736

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	455.5	ug/L	-9	15	
Aroclor-1260	A	500.0	526.6	ug/L	5	15	
Aroclor-1016	B	500.0	481.2	ug/L	-4	15	
Aroclor-1260	B	500.0	492.4	ug/L	-2	15	

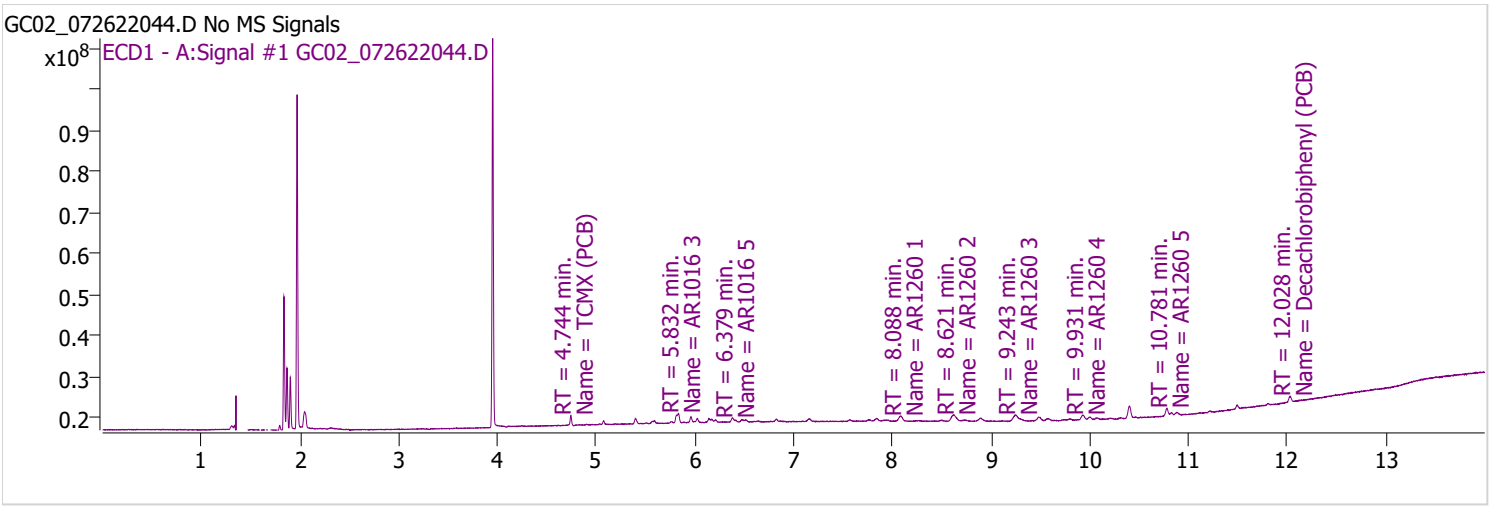
-

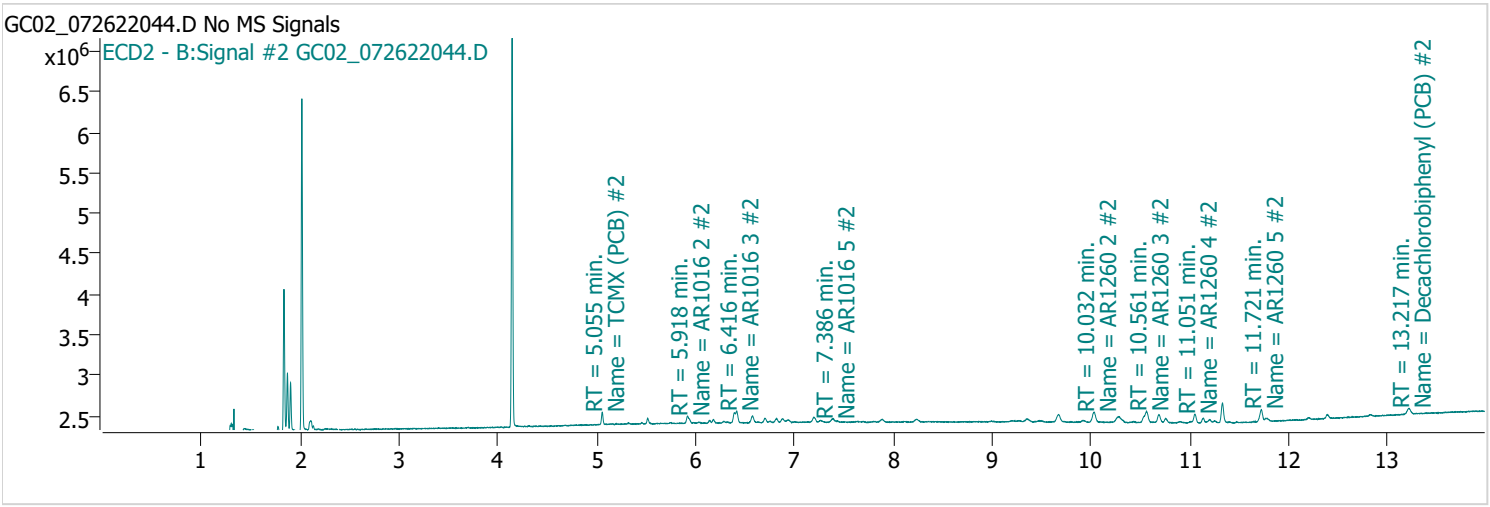
Analyst: TRN 07/27/22 *

Reviewer: LW 07/27/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_072622044.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	7/27/2022 8:03:15 AM
Sample Name	ICAL, S17023, 100, S17010, 250	Instrument	SVOA-GC02
Vial	81	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_1.m	Comment	20PPB PCB ICAL1
Tune File	ATUNE.U	Tune Date	
Batch Name	072622PCBICAL.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



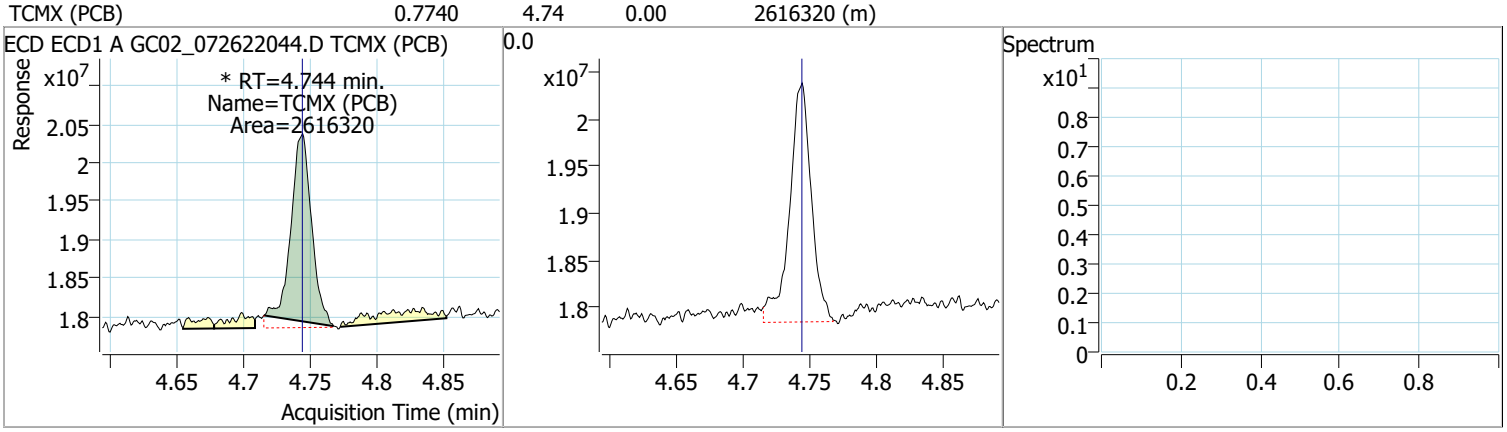


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.952	0.0	86698617.637	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.143	0.0	4524000.569	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.744	0.0	2616320.000	0.7740	ng/ml	m	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 3.87%		*	
S TCMX (PCB) #2	5.055	0.0	181893.073	0.8799	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.40%		*	
S Decachlorobiphenyl (PCB)	12.028	0.0	2880325.157	0.7098	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 3.55%		*	
S Decachlorobiphenyl (PCB) #2	13.217	0.0	185948.133	0.8046	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.02%		*	
Target Compounds							QValue
T AR1016 1	5.076	0.0	1071840.960	18.8335	ng/ml		100

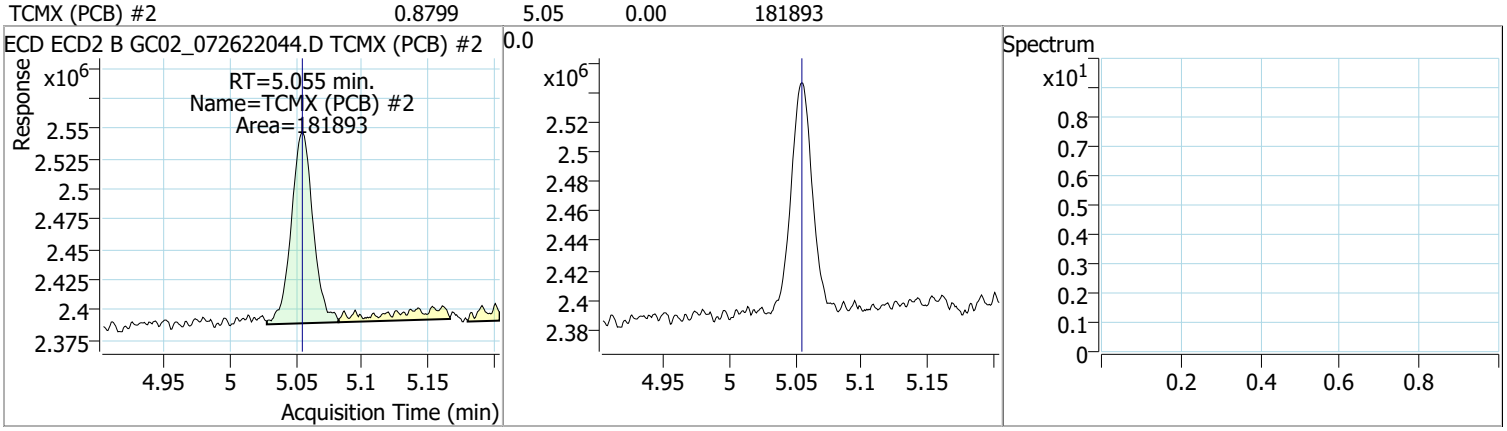
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.398	0.0	2250998.282	20.4874	ng/ml		100
T AR1016 1 #2	5.516	0.0	101465.415	23.8038	ng/ml		100
T AR1016 3	5.832	0.0	3463854.932	20.0735	ng/ml	m	100
T AR1016 2 #2	5.918	0.0	182601.804	20.8885	ng/ml		100
T AR1016 4	5.960	0.0	2173854.295	21.5323	ng/ml		100
T AR1016 5	6.379	0.0	1857534.926	21.0028	ng/ml		100
T AR1016 3 #2	6.416	0.0	229486.012	21.1878	ng/ml		100
T AR1016 4 #2	6.576	0.0	159283.635	20.7820	ng/ml		100
T AR1016 5 #2	7.386	0.0	132856.951	21.2953	ng/ml	m	100
T AR1260 1	8.088	0.0	3618798.225	20.3653	ng/ml		100
T AR1260 2	8.621	0.0	5101777.299	18.5232	ng/ml		100
T AR1260 3	9.243	0.0	6609992.464	20.3570	ng/ml		100
T AR1260 1 #2	9.670	0.0	258967.374	20.1821	ng/ml		100
T AR1260 4	9.931	0.0	2813682.893	19.1435	ng/ml		100
T AR1260 2 #2	10.032	0.0	296842.611	21.1416	ng/ml		100
T AR1260 3 #2	10.561	0.0	377099.112	20.3094	ng/ml		100
T AR1260 5	10.781	0.0	3331240.383	15.5834	ng/ml		100
T AR1260 4 #2	11.051	0.0	233957.674	22.5755	ng/ml	m	100
T AR1260 5 #2	11.721	0.0	311510.272	20.9448	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

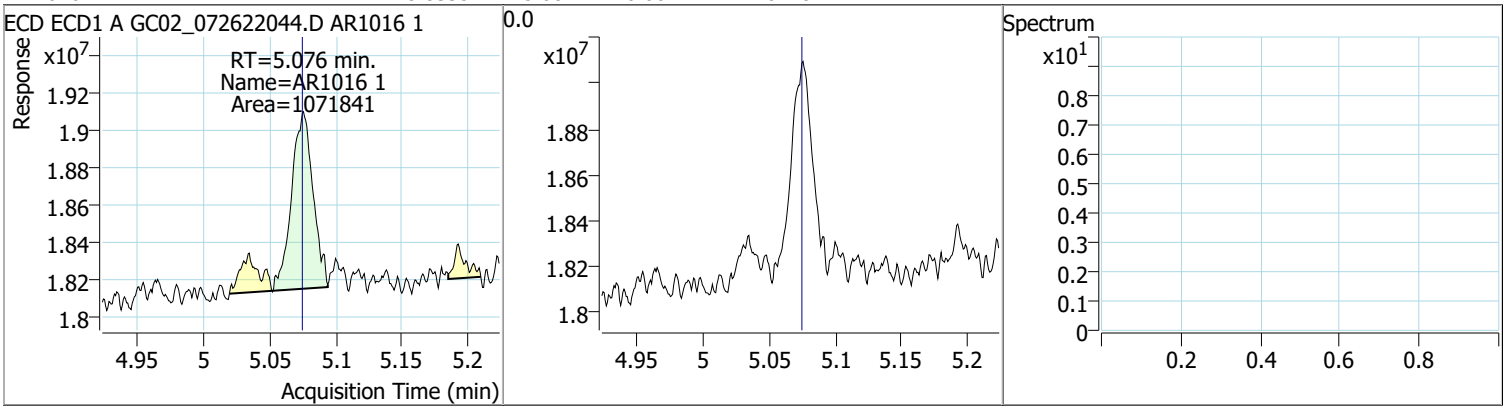
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	0.7740	4.74	0.00	2616320 (m)				



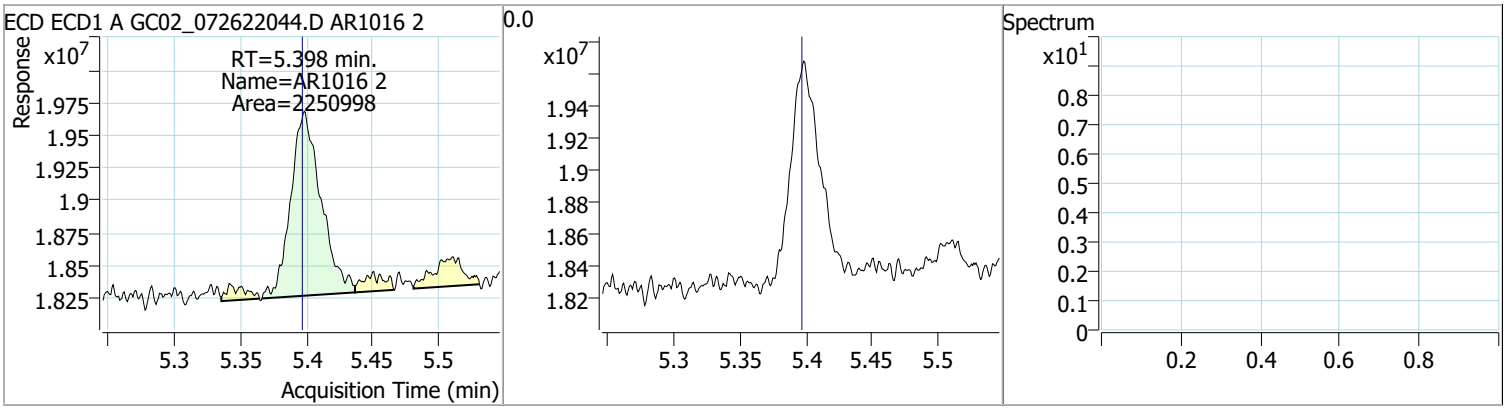
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	0.8799	5.05	0.00	181893				



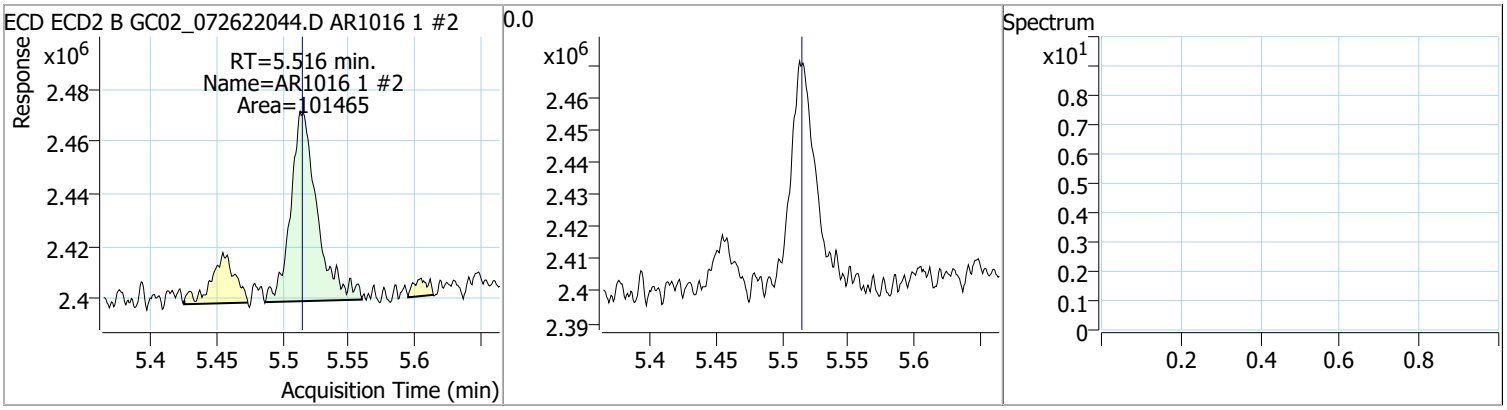
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	18.8335	5.08	0.00	1071841				



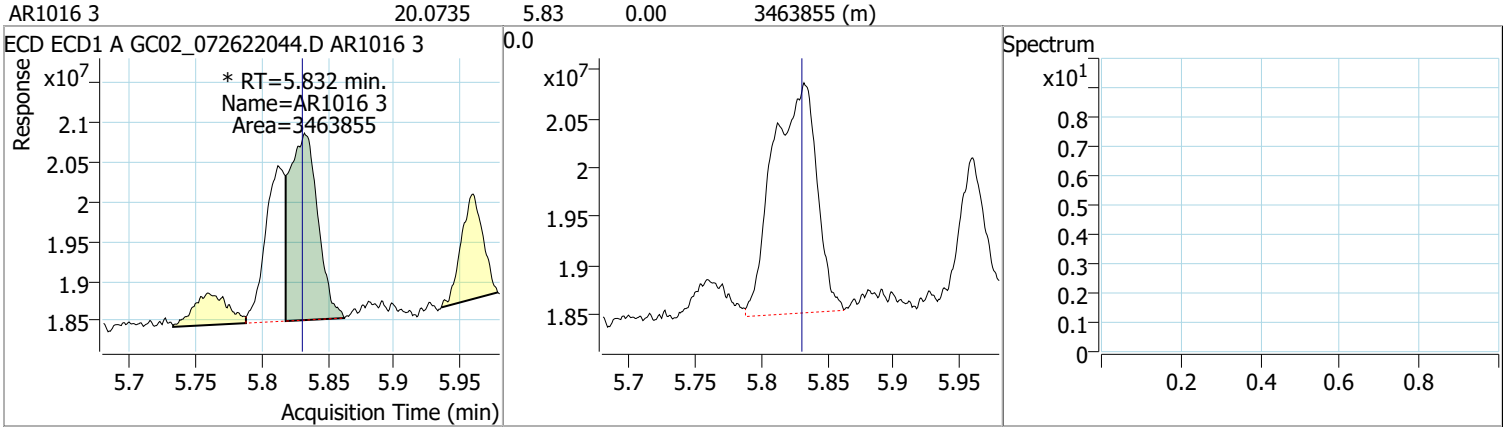
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	20.4874	5.40	0.00	2250998				



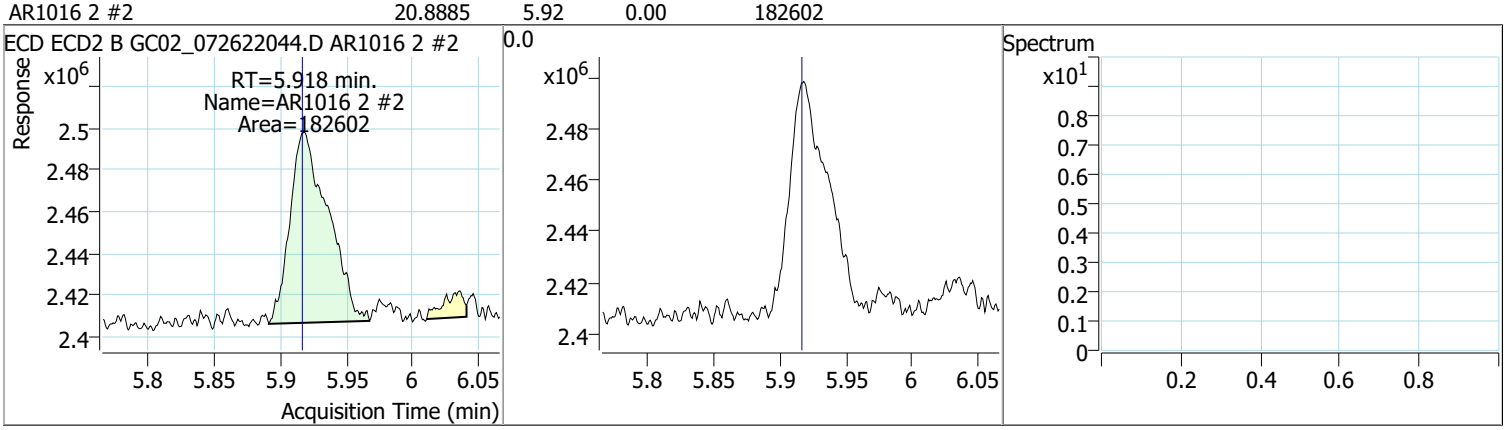
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	23.8038	5.52	0.00	101465				



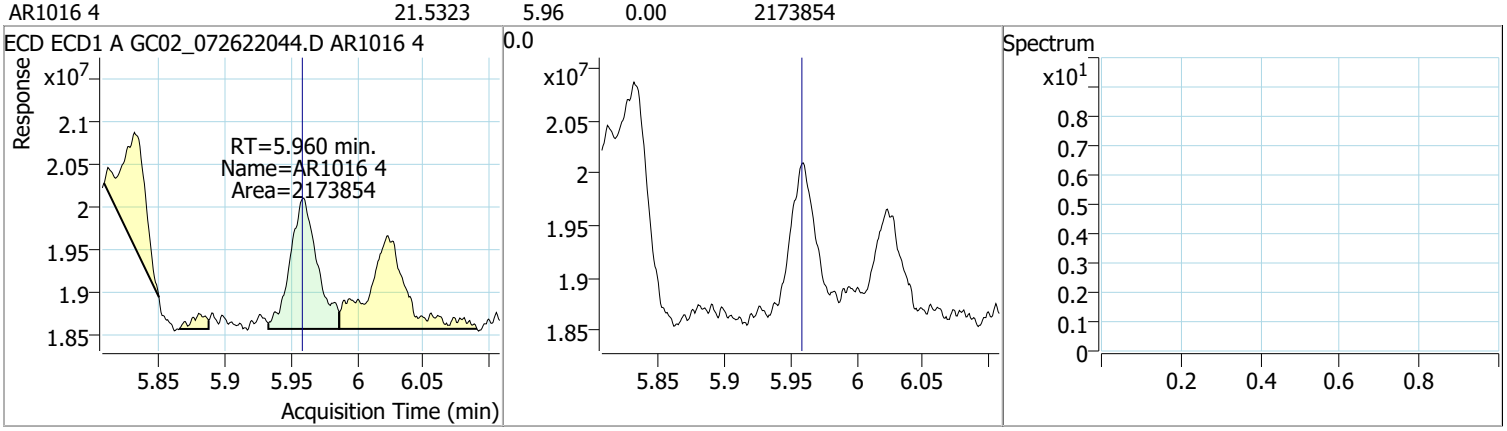
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	20.0735	5.83	0.00	3463855 (m)				



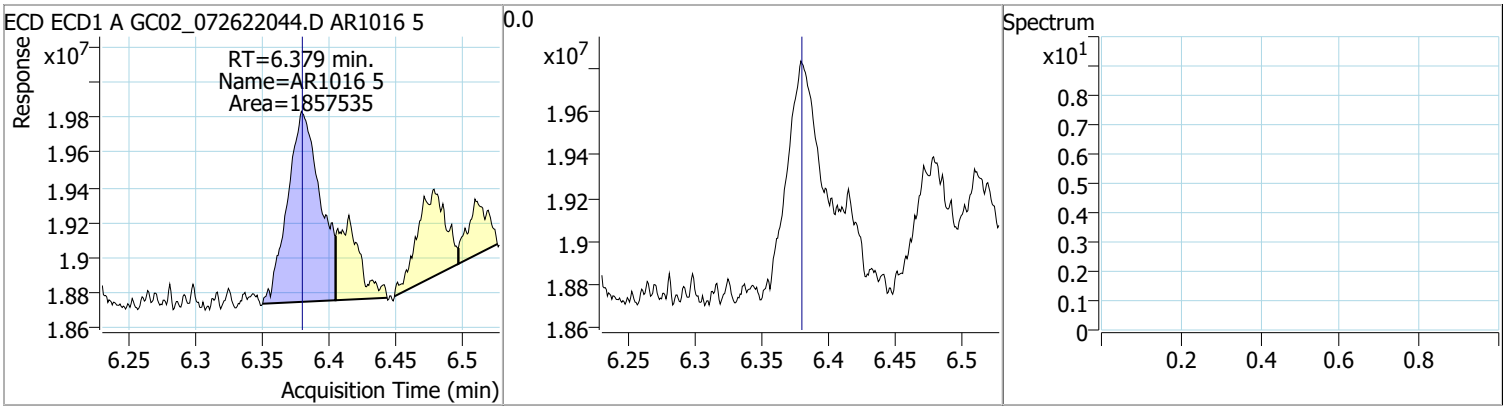
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	20.8885	5.92	0.00	182602				



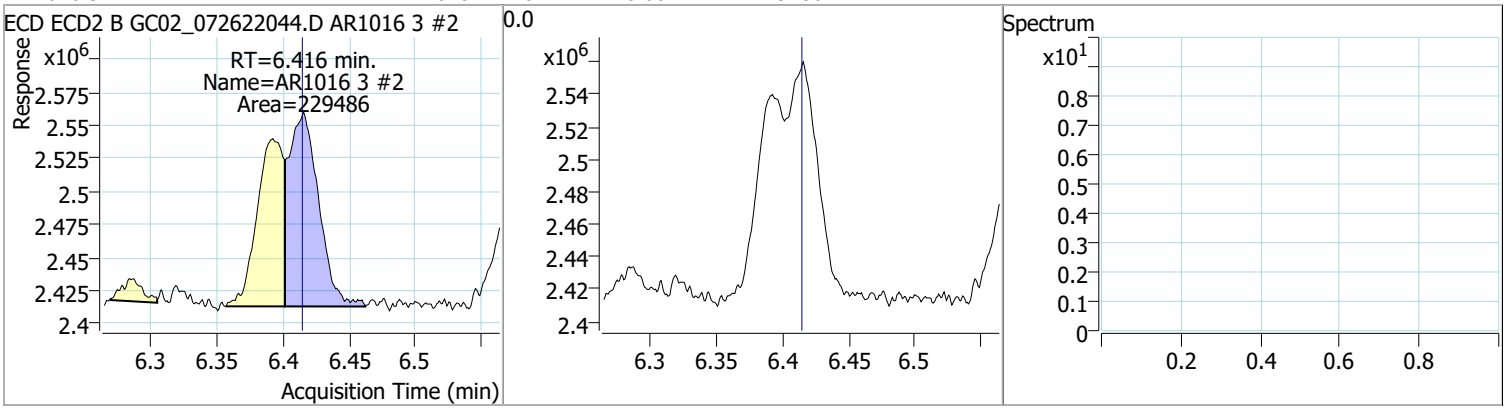
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	21.5323	5.96	0.00	2173854				



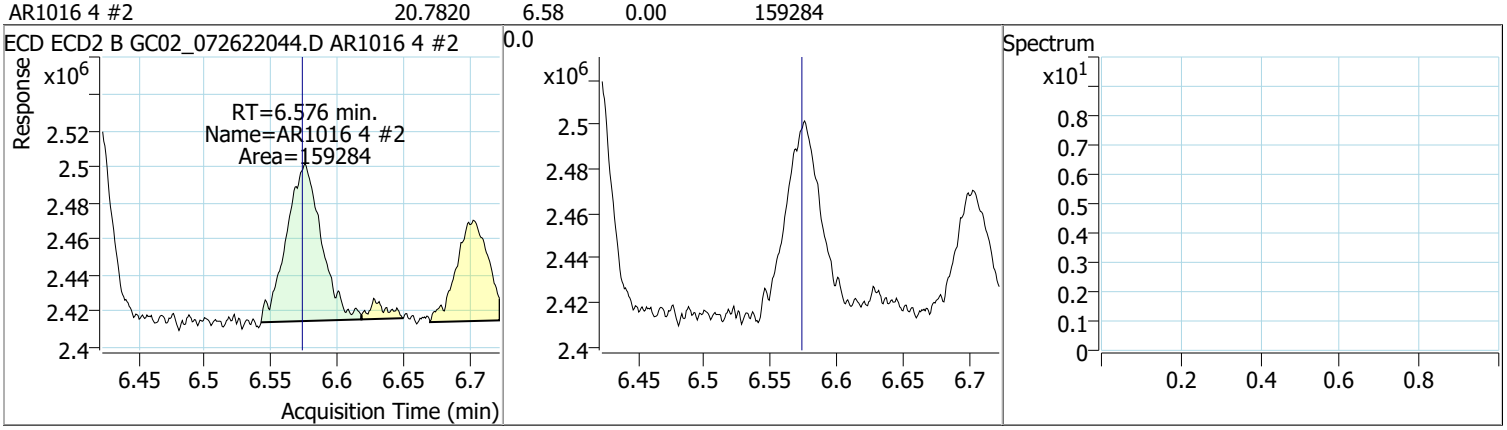
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	21.0028	6.38	0.00	1857535				



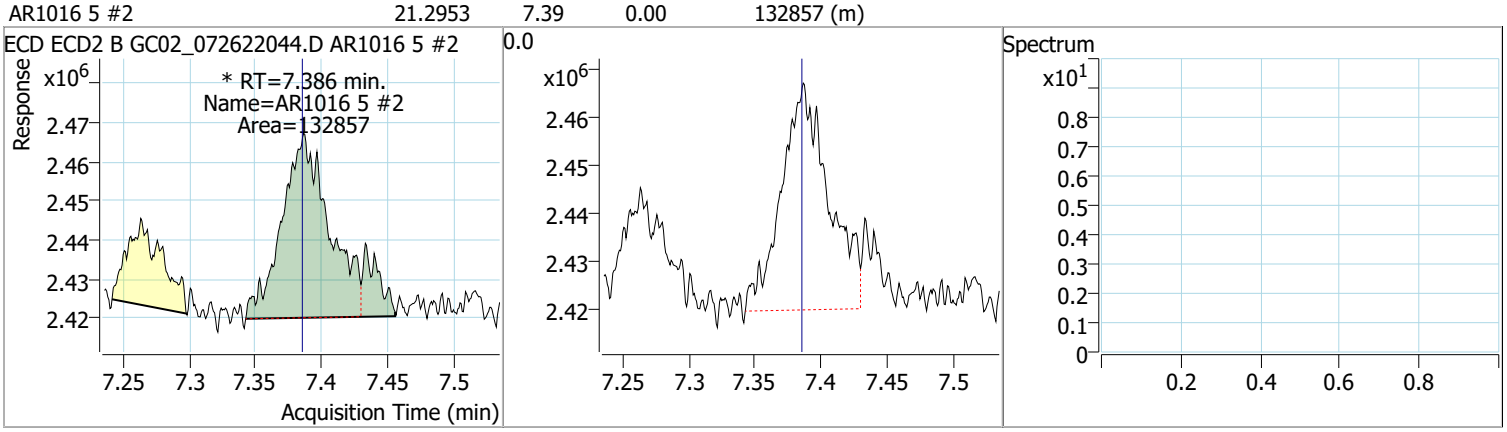
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	21.1878	6.42	0.00	229486				



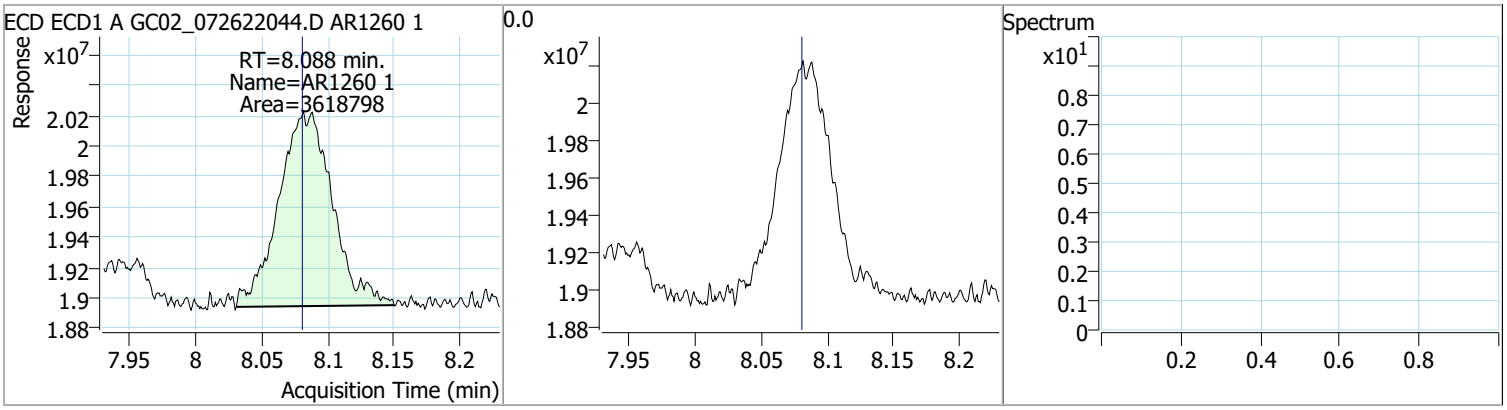
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	20.7820	6.58	0.00	159284				



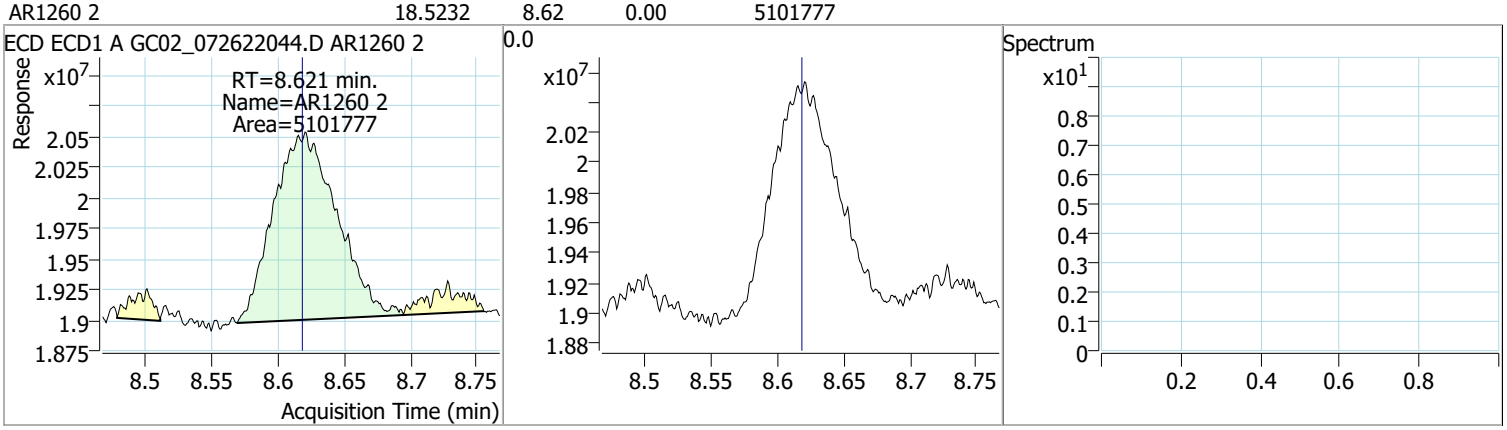
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	21.2953	7.39	0.00	132857 (m)				



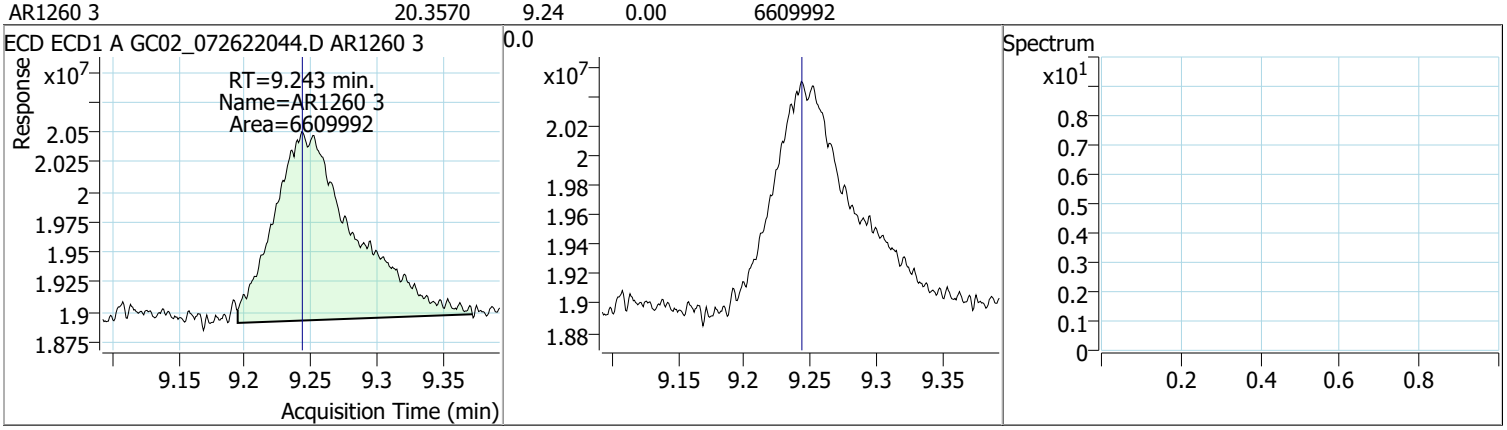
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	20.3653	8.09	0.01	3618798				



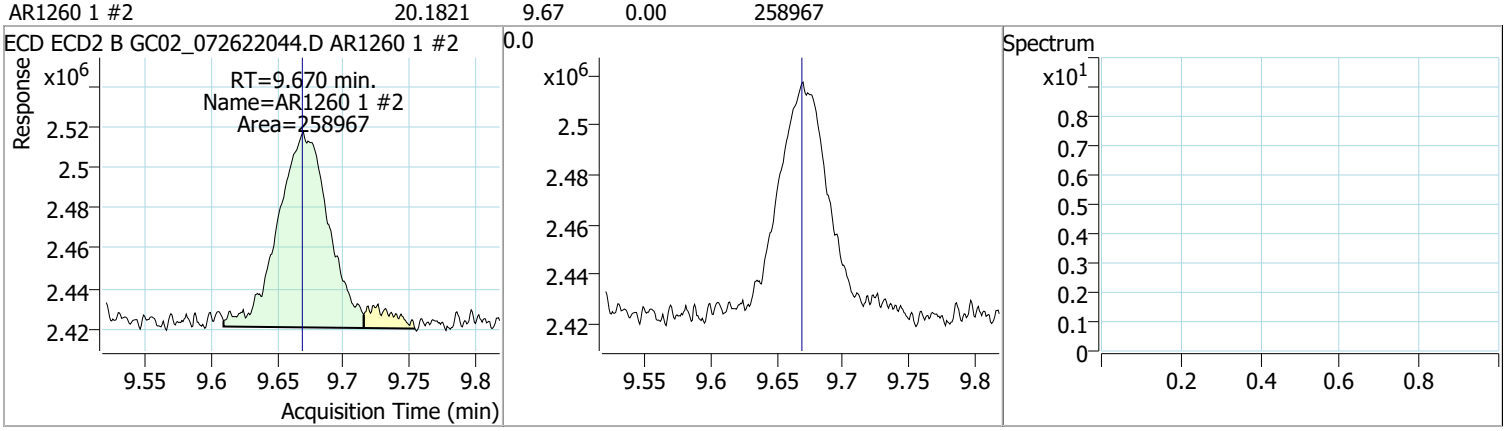
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	18.5232	8.62	0.00	5101777				



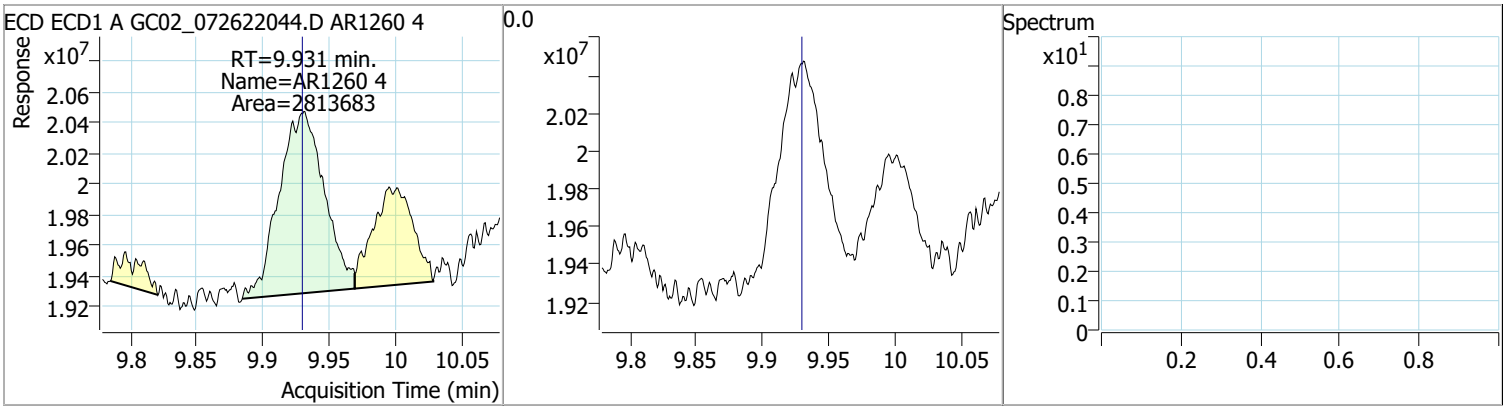
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	20.3570	9.24	0.00	6609992				



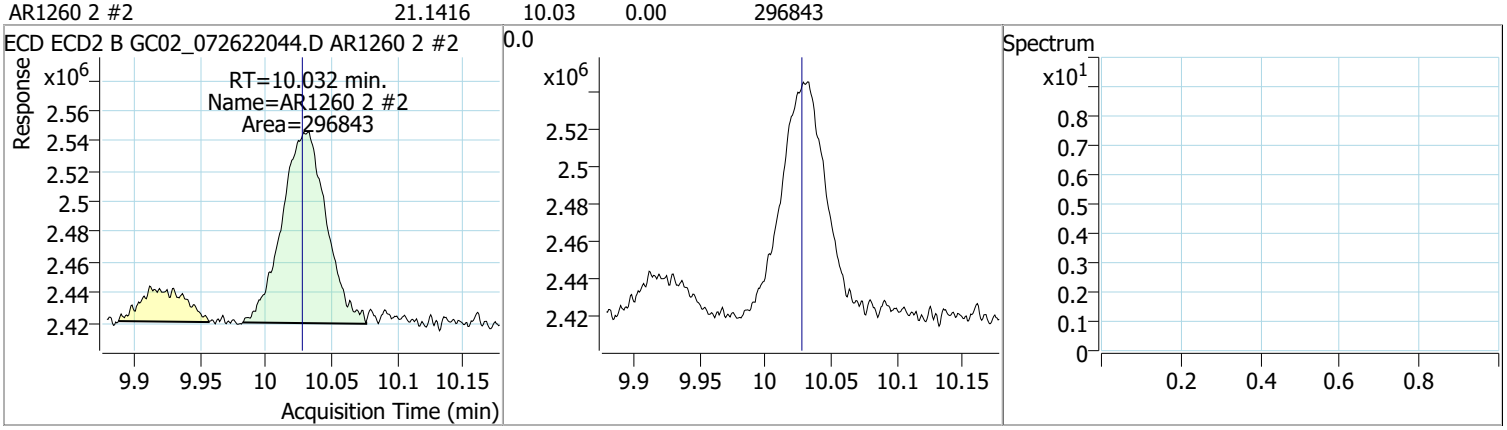
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	20.1821	9.67	0.00	258967				



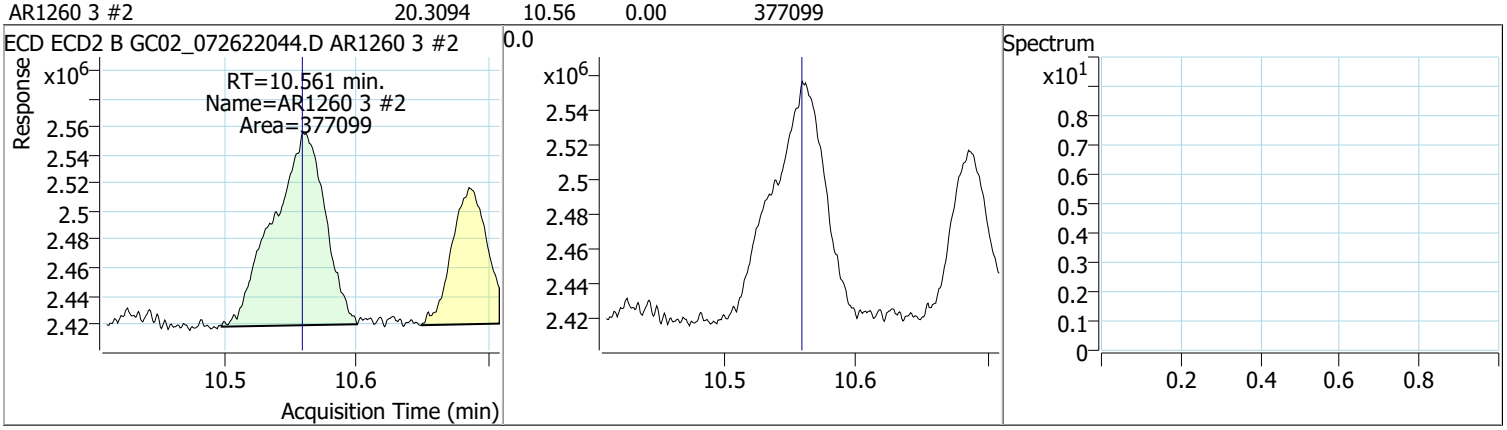
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	19.1435	9.93	0.00	2813683				



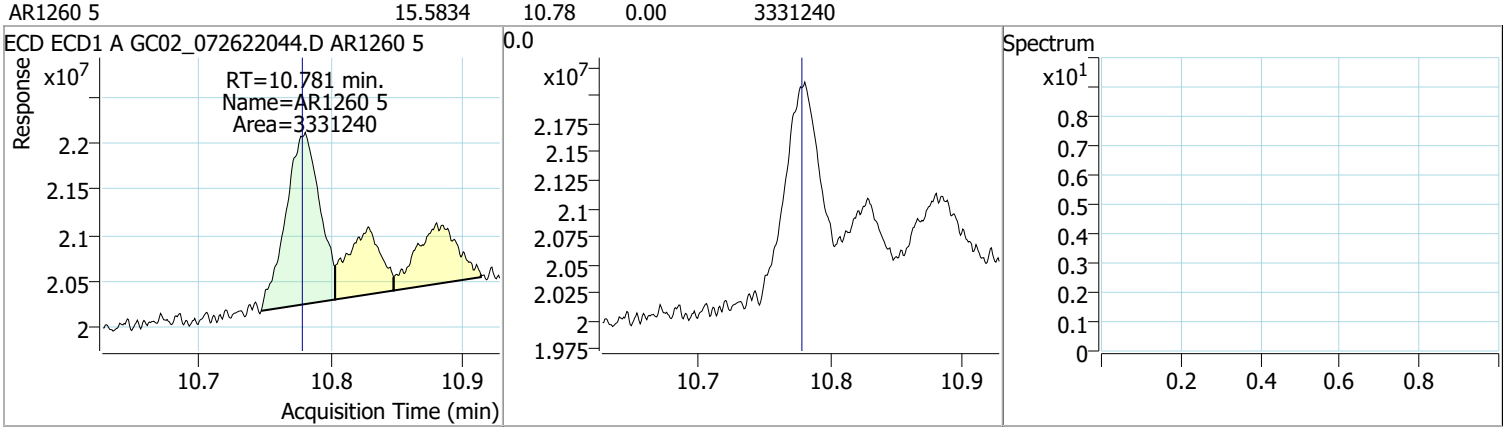
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	21.1416	10.03	0.00	296843				



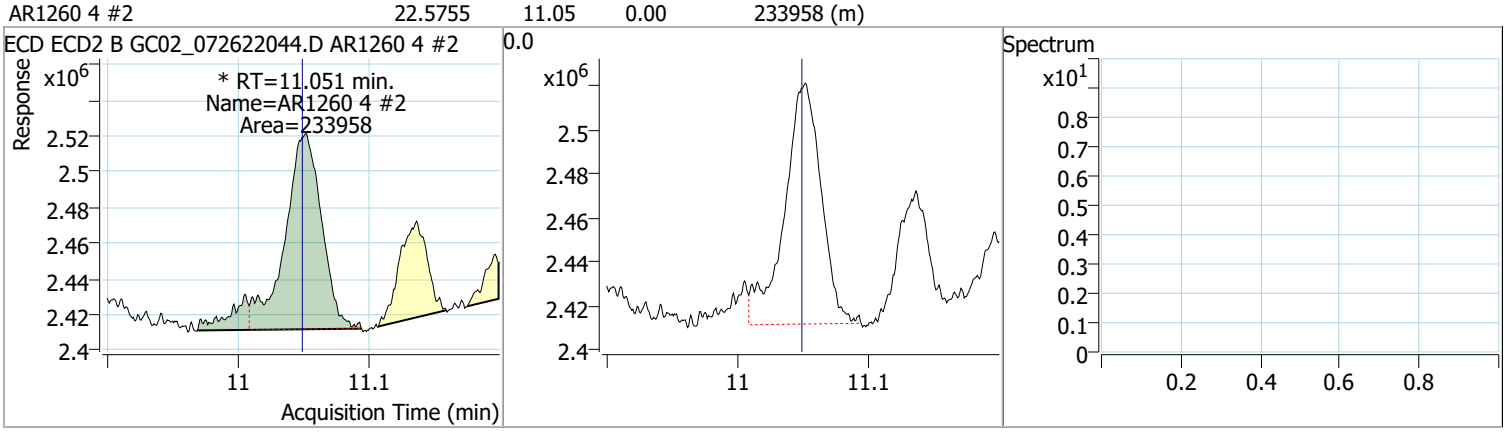
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	20.3094	10.56	0.00	377099				



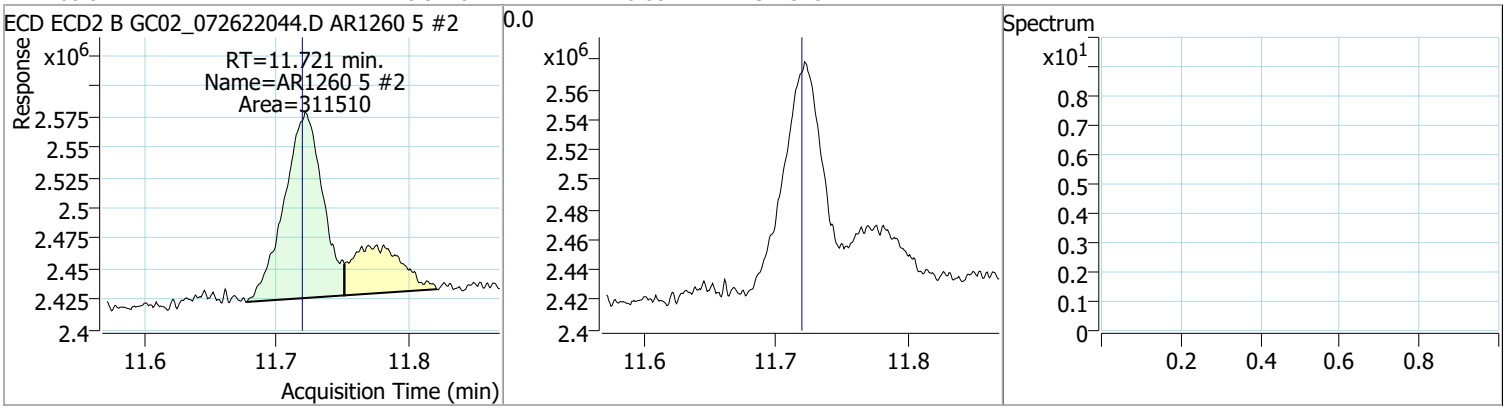
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	15.5834	10.78	0.00	3331240				



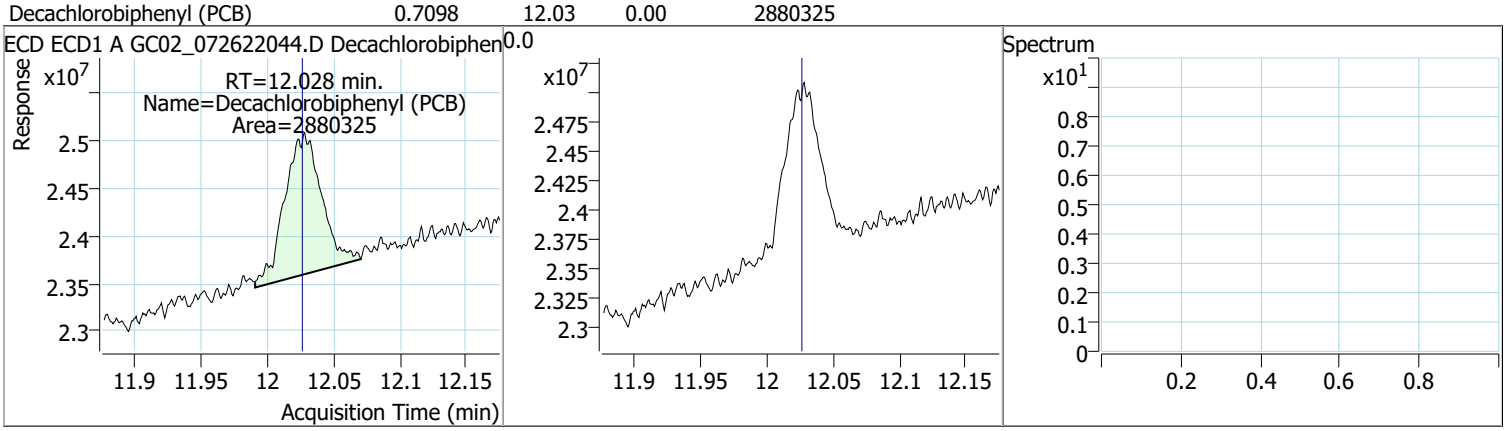
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	22.5755	11.05	0.00	233958 (m)				



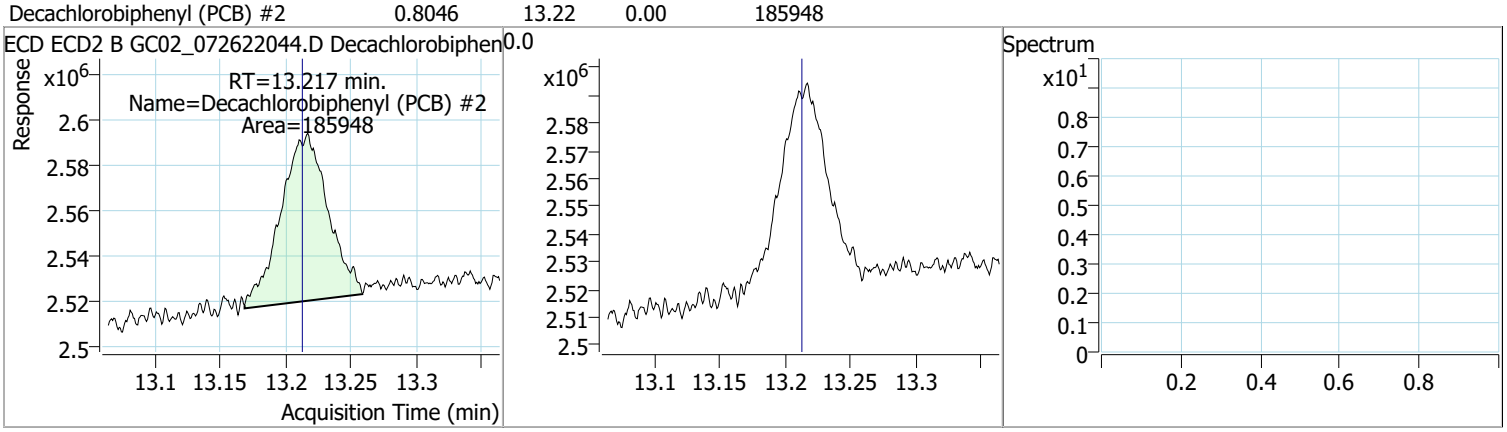
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	20.9448	11.72	0.00	311510				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	0.7098	12.03	0.00	2880325				

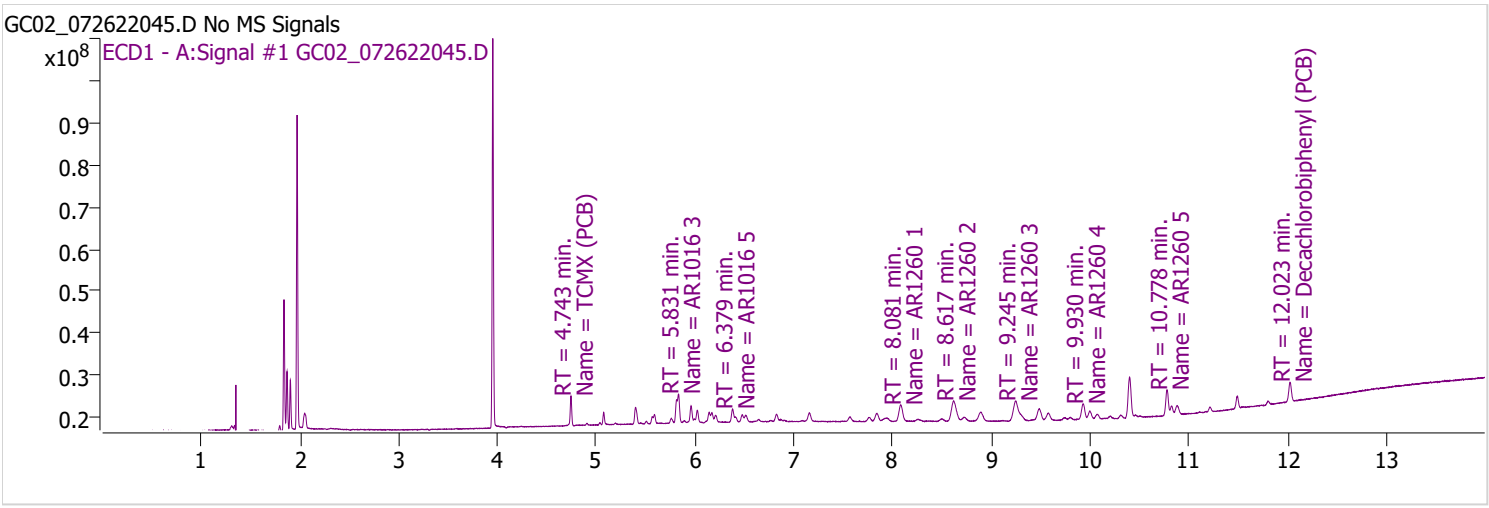


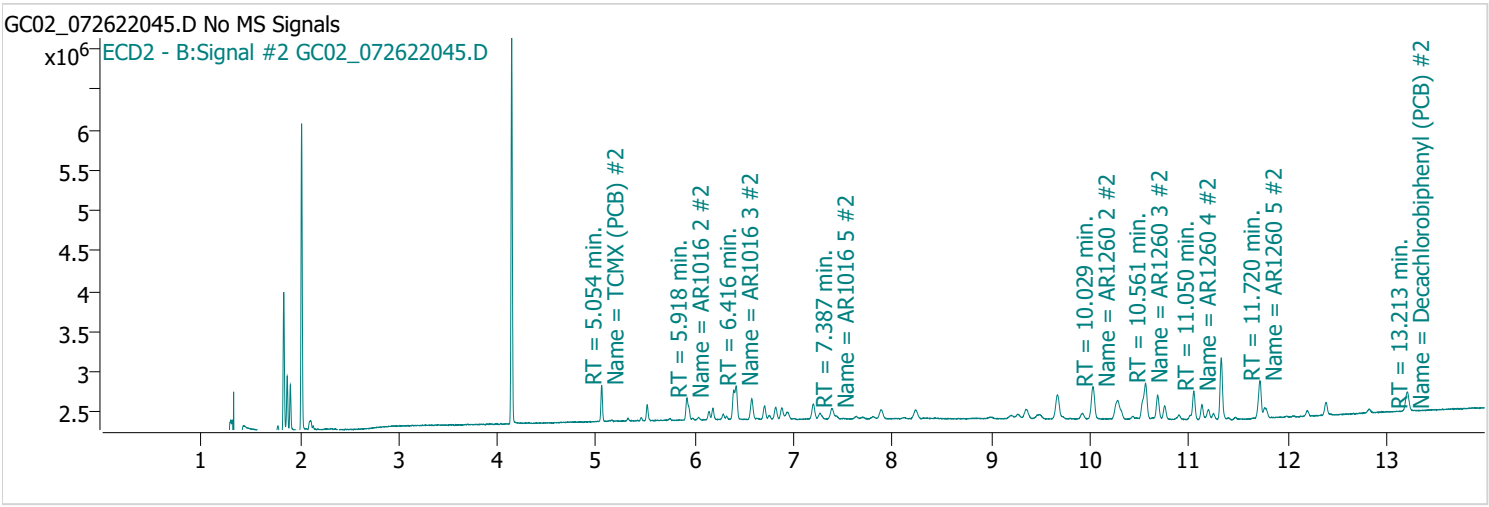
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	0.8046	13.22	0.00	185948				



Quantitation Results Report (Not Reviewed)

Data File	GC02_072622045.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	7/27/2022 8:21:07 AM
Sample Name	ICAL, S17023, 40, S17010, 250	Instrument	SVOA-GC02
Vial	82	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_1.m	Comment	50PPB PCB ICAL 2
Tune File	ATUNE.U	Tune Date	
Batch Name	072622PCBICAL.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



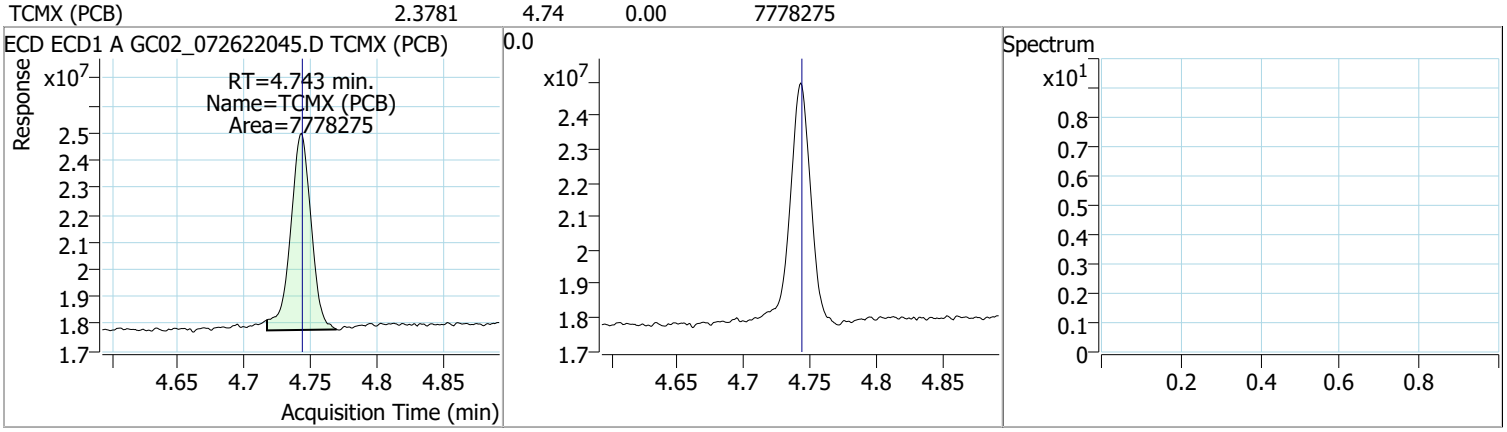


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.952	0.0	83889003.450	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.143	0.0	4436281.914	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.743	0.0	7778274.510	2.3781	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 11.89%		*	
S TCMX (PCB) #2	5.054	0.0	502173.831	2.4774	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 12.39%		*	
S Decachlorobiphenyl (PCB)	12.023	0.0	9091394.099	2.3154	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 11.58%		*	
S Decachlorobiphenyl (PCB) #2	13.213	0.0	605214.685	2.6706	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 13.35%		*	
Target Compounds							QValue
T AR1016 1	5.075	0.0	3327895.824	60.4333	ng/ml		100

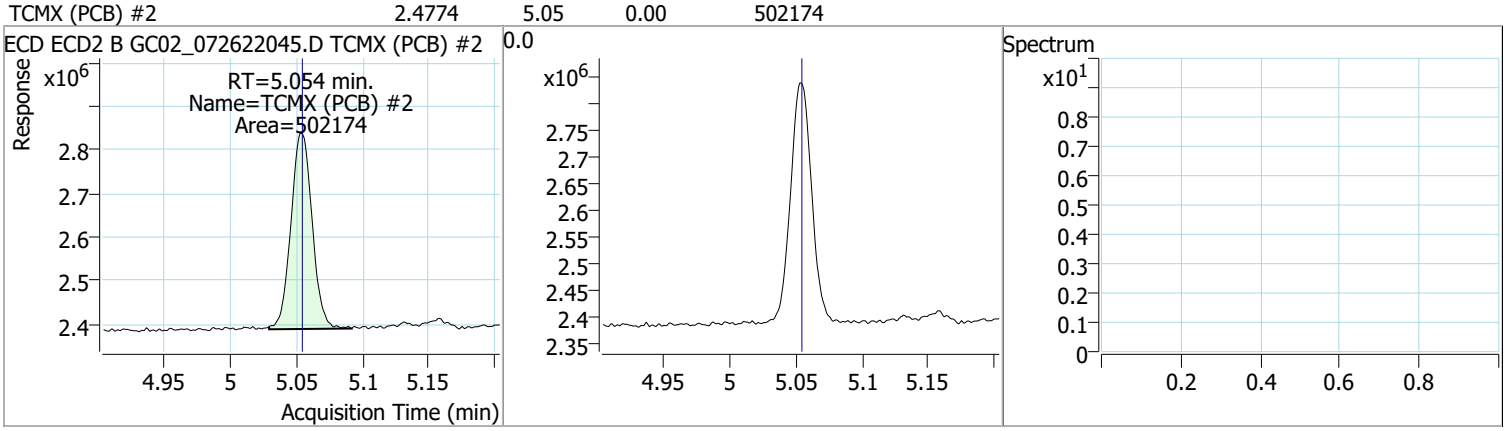
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.396	0.0	6653157.148	62.5817	ng/ml		100
T AR1016 1 #2	5.515	0.0	251133.431	60.0809	ng/ml		100
T AR1016 3	5.831	0.0	9769060.373	58.5090	ng/ml	m	100
T AR1016 2 #2	5.918	0.0	554473.171	64.6824	ng/ml		100
T AR1016 4	5.959	0.0	5843386.816	59.8179	ng/ml		100
T AR1016 5	6.379	0.0	5095825.628	59.5474	ng/ml	m	100
T AR1016 3 #2	6.416	0.0	670786.099	63.1564	ng/ml	m	100
T AR1016 4 #2	6.574	0.0	471244.780	62.6998	ng/ml		100
T AR1016 5 #2	7.387	0.0	374475.631	61.2106	ng/ml		100
T AR1260 1	8.081	0.0	10764588.911	62.6081	ng/ml		100
T AR1260 2	8.617	0.0	16670325.719	62.5527	ng/ml		100
T AR1260 3	9.245	0.0	19680907.182	62.6419	ng/ml		100
T AR1260 1 #2	9.669	0.0	830200.122	65.9792	ng/ml		100
T AR1260 4	9.930	0.0	8394950.686	59.0300	ng/ml		100
T AR1260 2 #2	10.029	0.0	947790.452	68.8380	ng/ml		100
T AR1260 3 #2	10.561	0.0	1226183.767	67.3442	ng/ml		100
T AR1260 5	10.778	0.0	11909486.453	57.5778	ng/ml		100
T AR1260 4 #2	11.050	0.0	707465.370	69.6158	ng/ml		100
T AR1260 5 #2	11.720	0.0	981973.309	67.3296	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

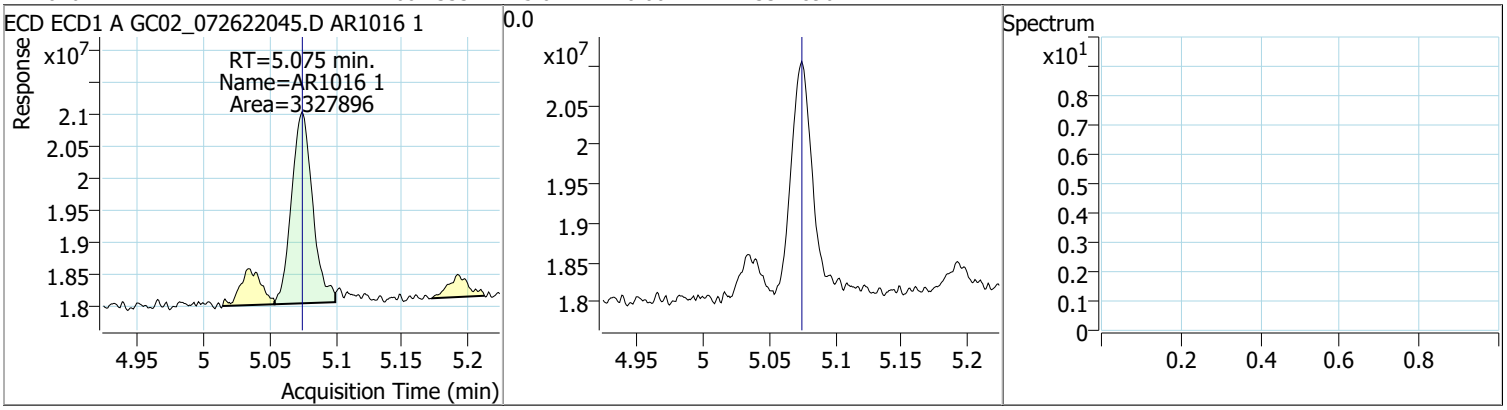
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	2.3781	4.74	0.00	7778275				



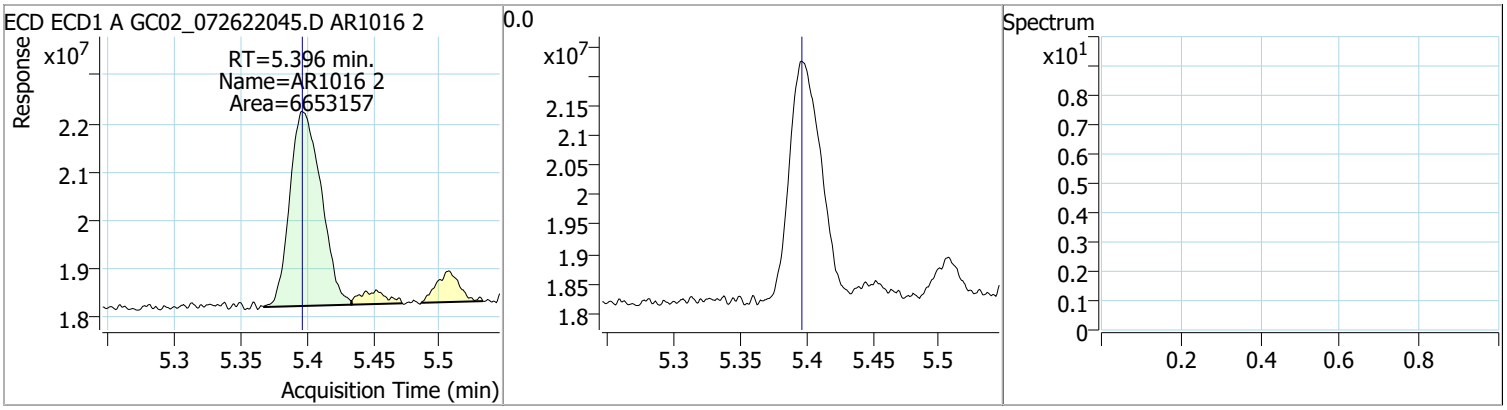
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	2.4774	5.05	0.00	502174				



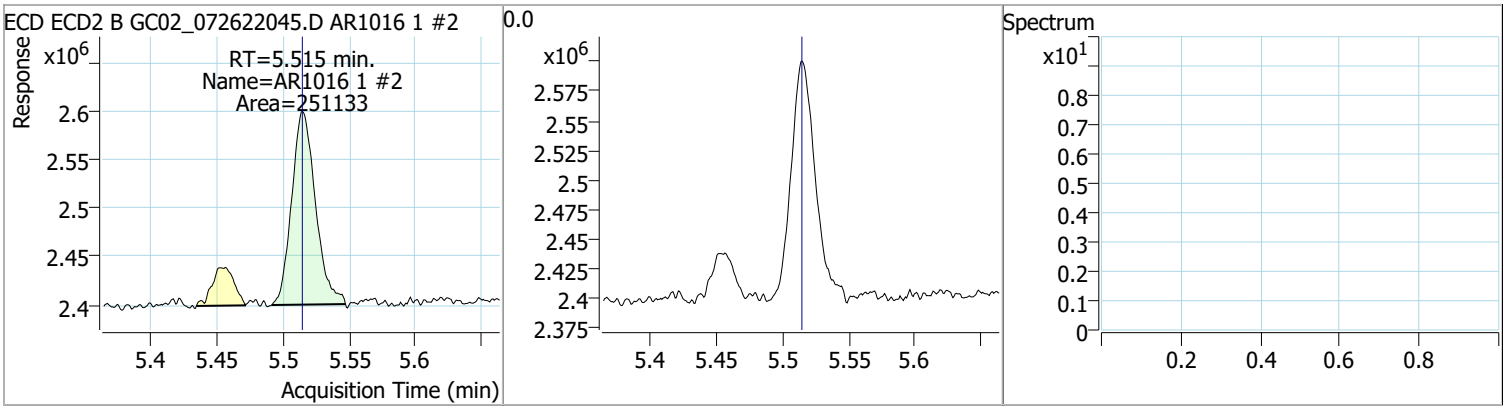
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	60.4333	5.07	0.00	3327896				



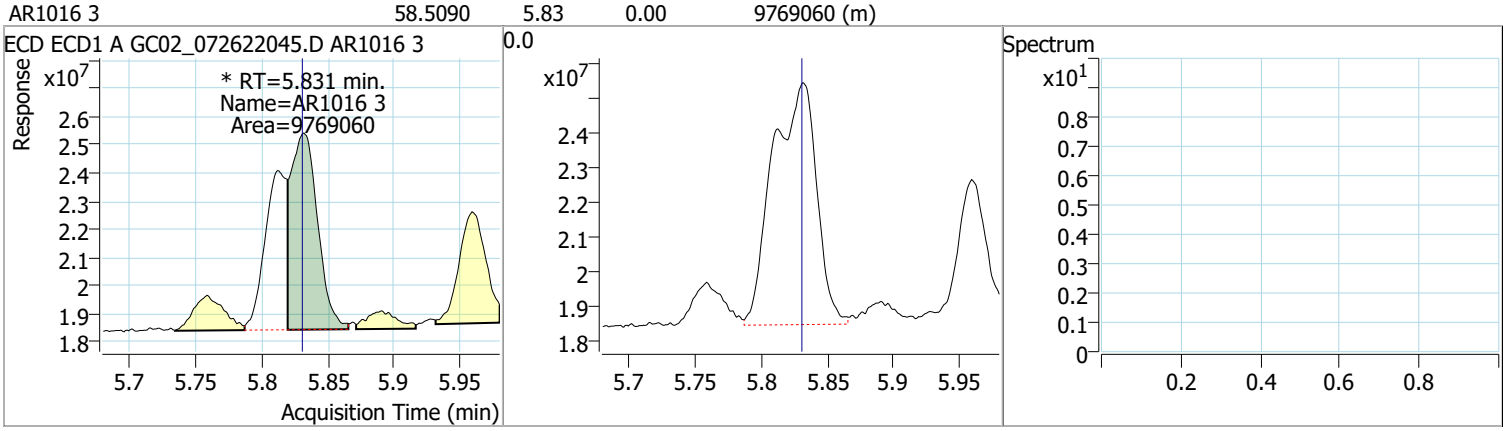
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	62.5817	5.40	0.00	6653157				



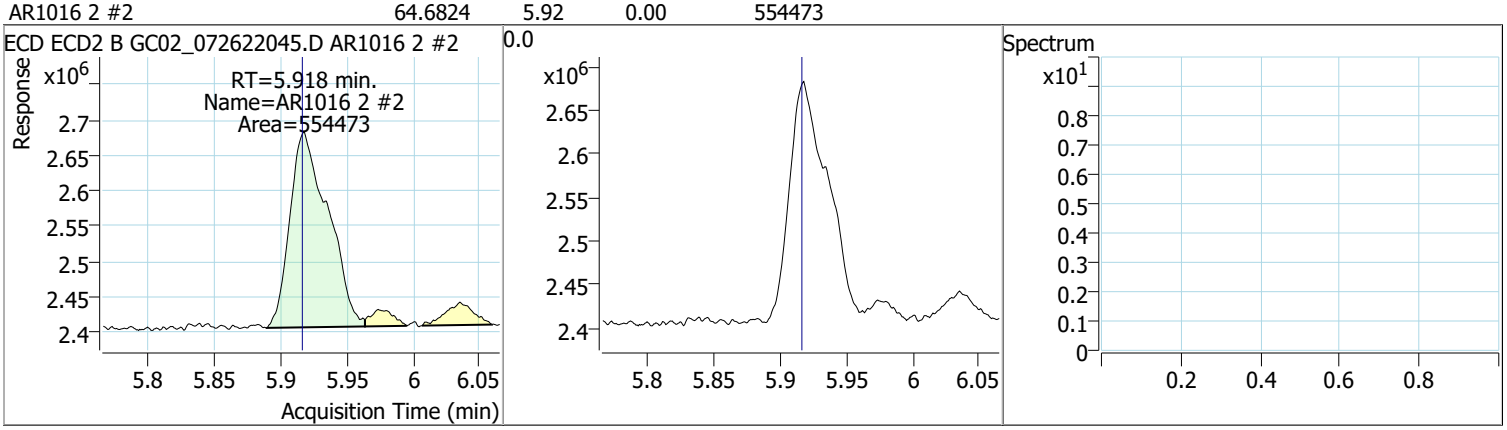
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	60.0809	5.51	0.00	251133				



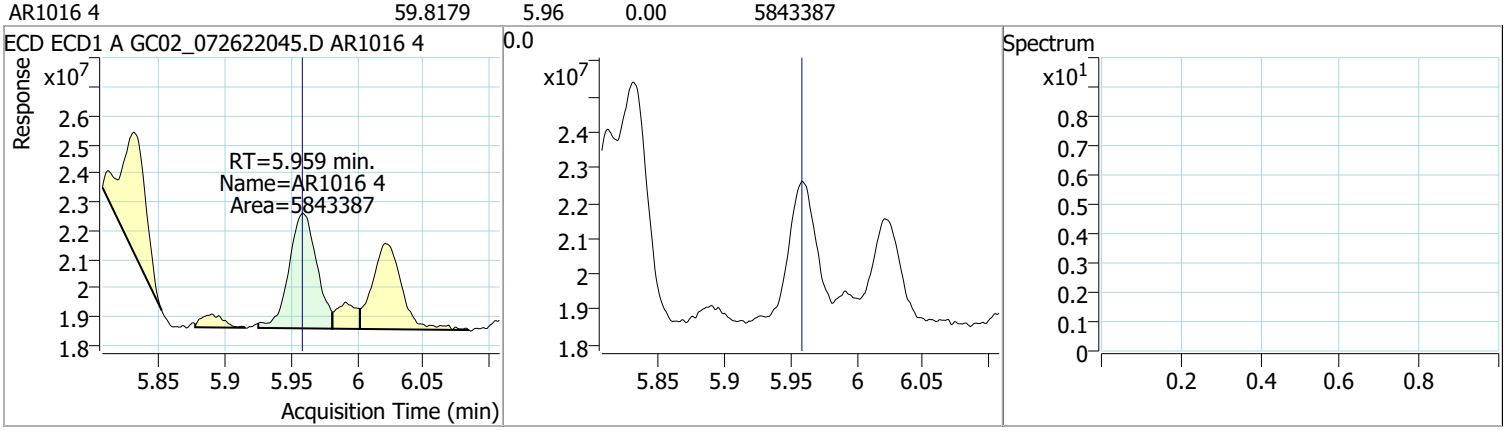
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	58.5090	5.83	0.00	9769060 (m)				



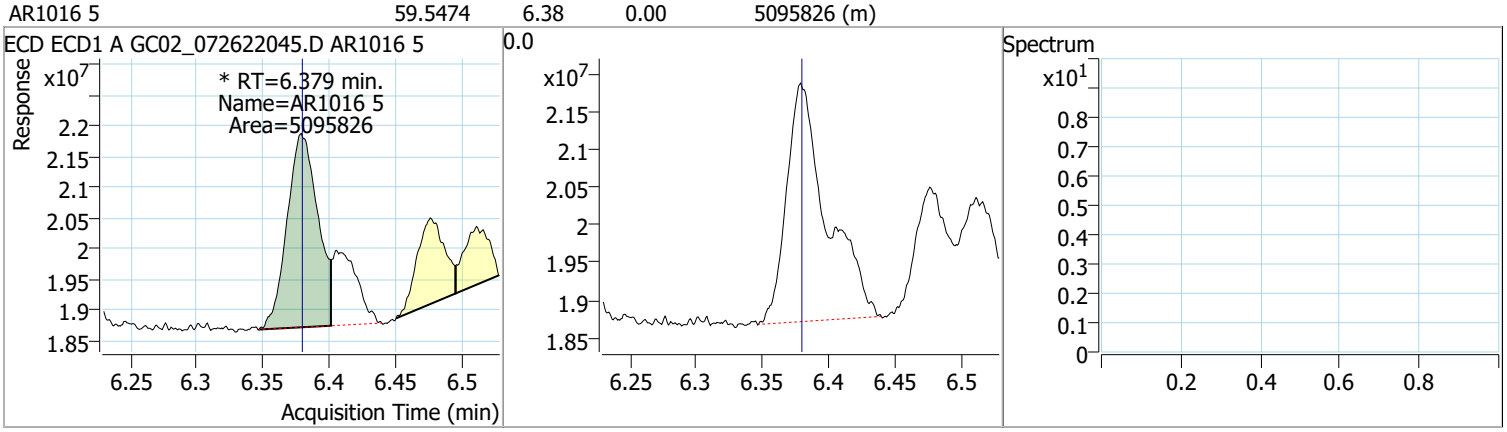
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	64.6824	5.92	0.00	554473				



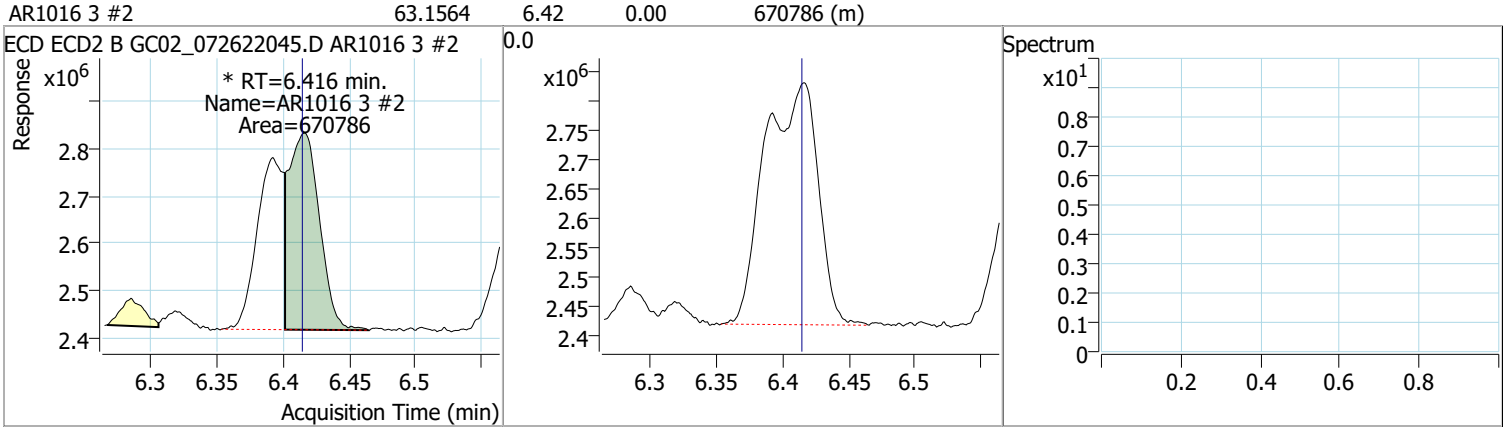
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	59.8179	5.96	0.00	5843387				



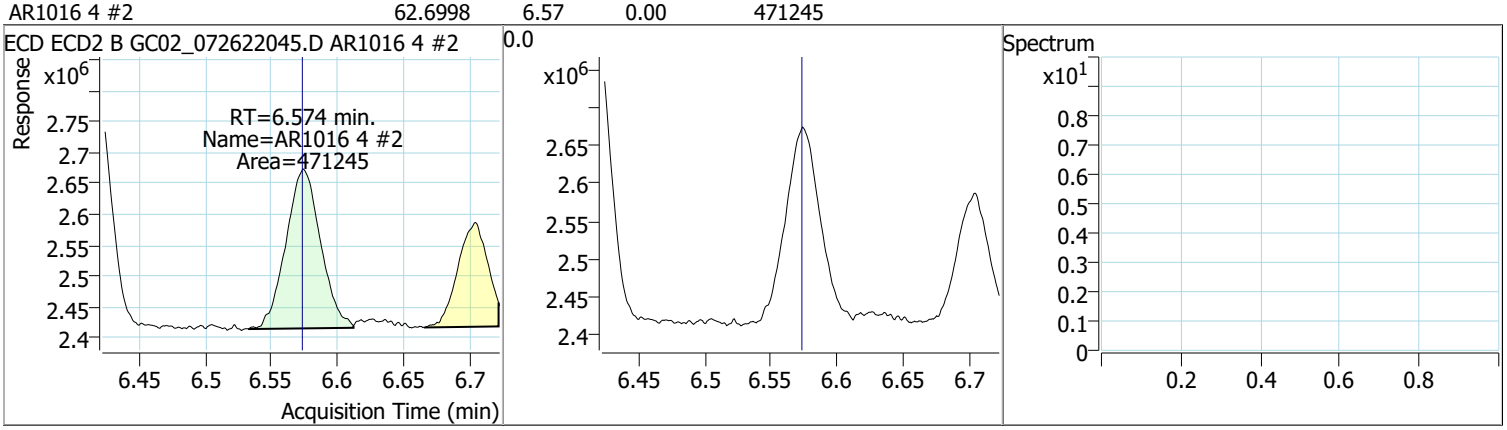
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	59.5474	6.38	0.00	5095826 (m)				



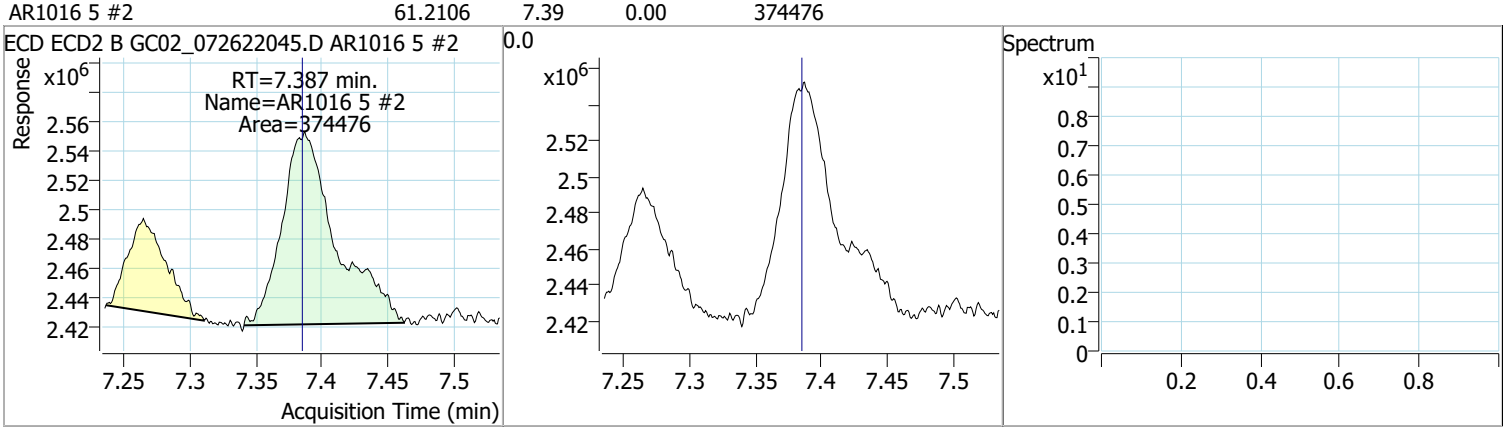
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	63.1564	6.42	0.00	670786 (m)				



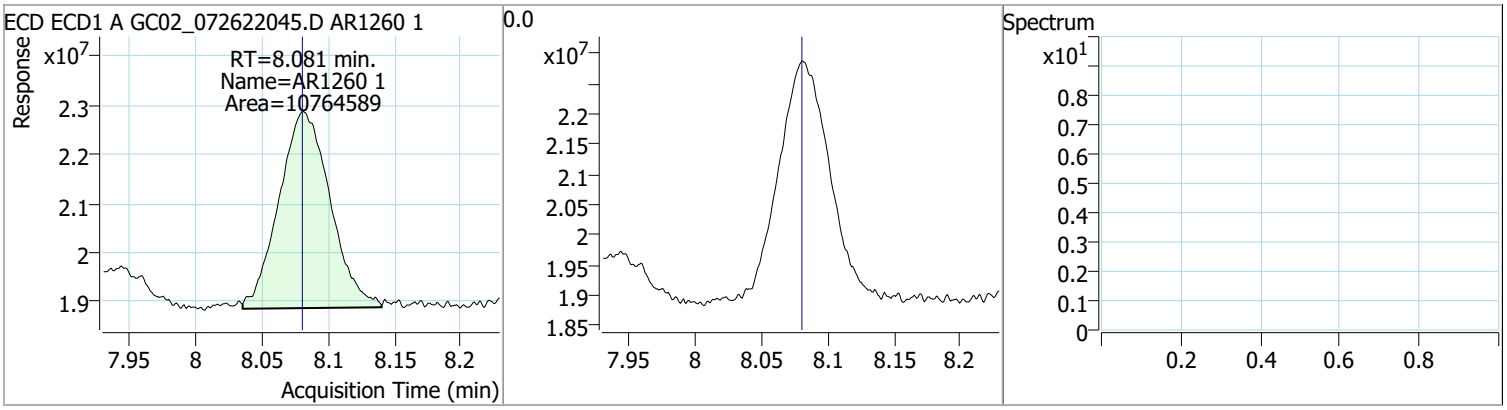
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	62.6998	6.57	0.00	471245				



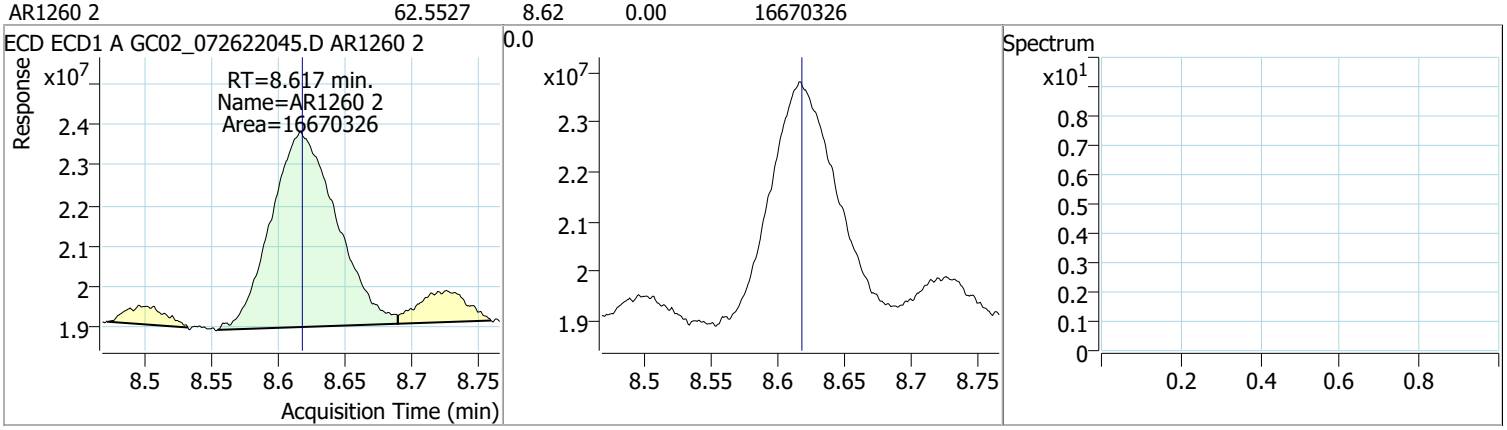
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	61.2106	7.39	0.00	374476				



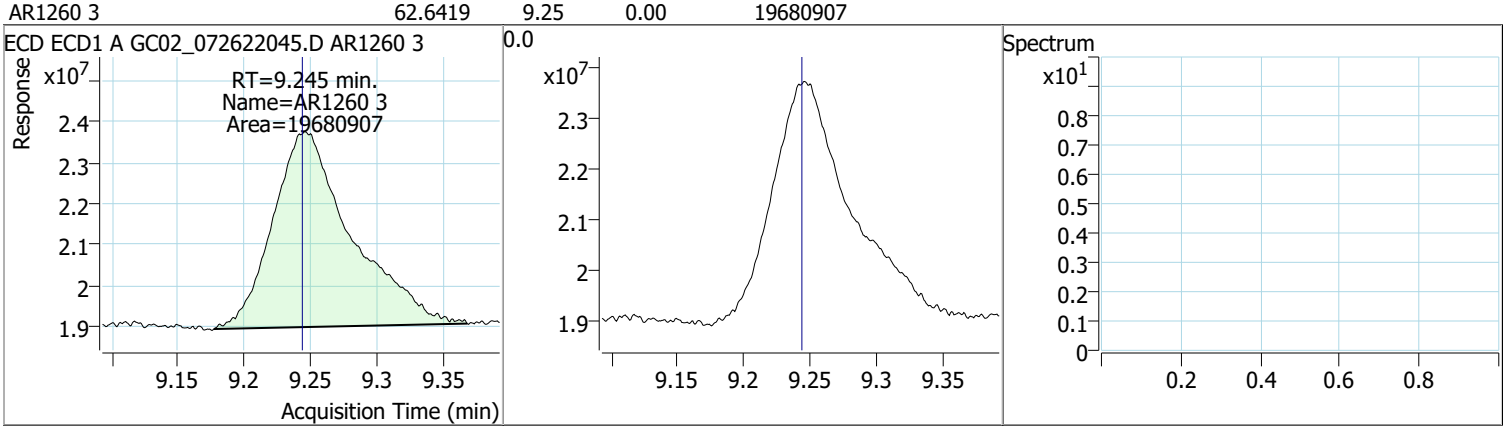
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	62.6081	8.08	0.00	10764589				



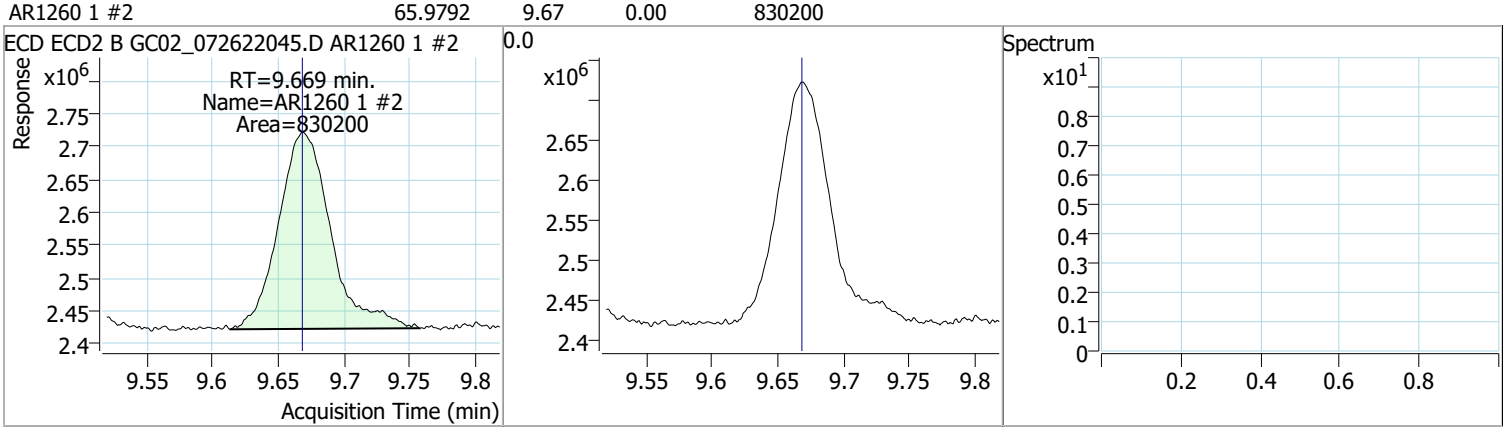
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	62.5527	8.62	0.00	16670326				



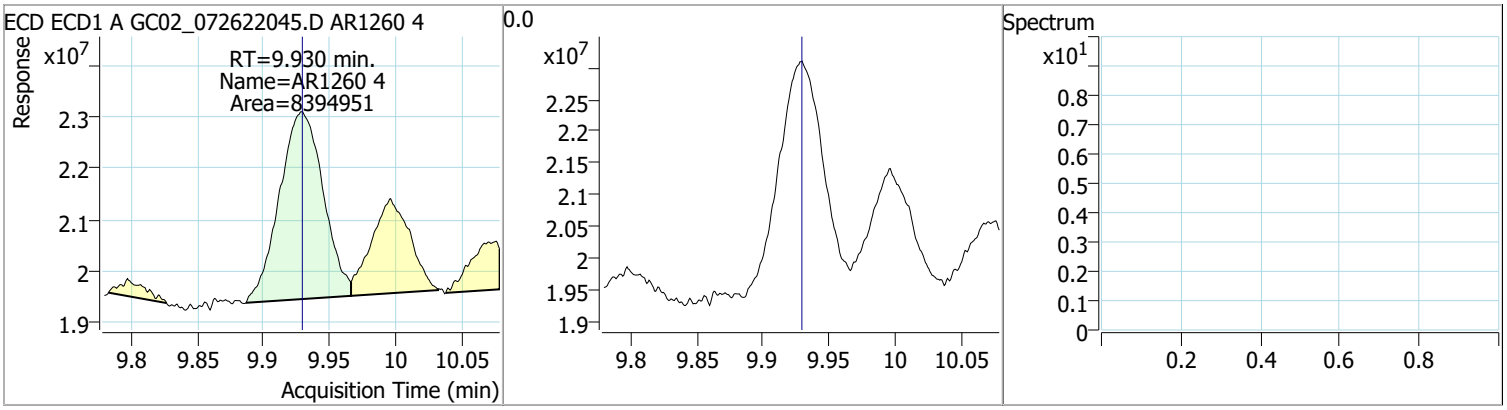
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	62.6419	9.25	0.00	19680907				



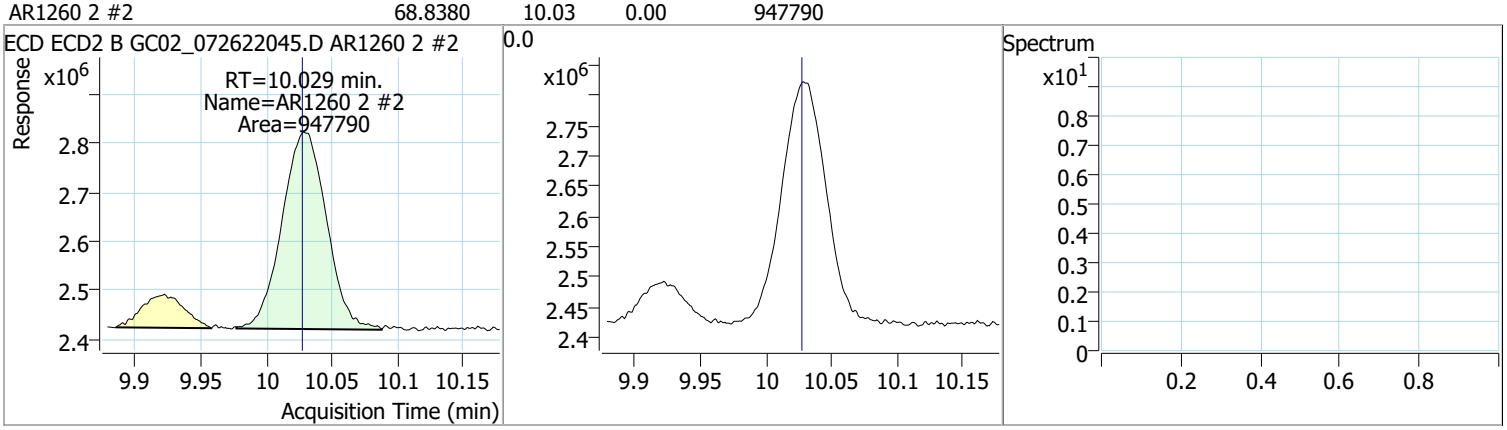
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	65.9792	9.67	0.00	830200				



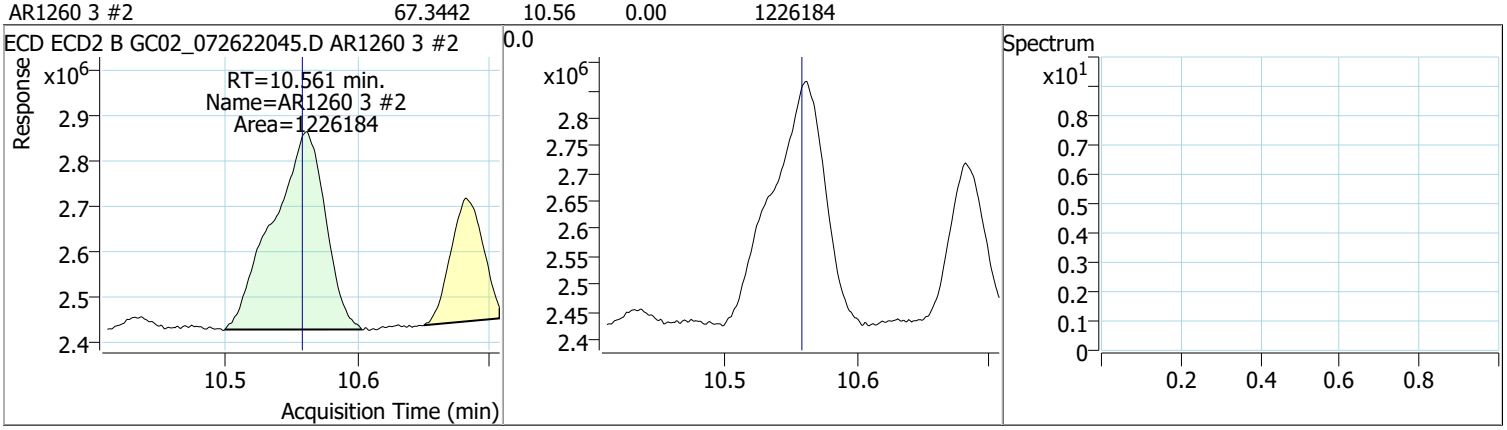
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	59.0300	9.93	0.00	8394951				



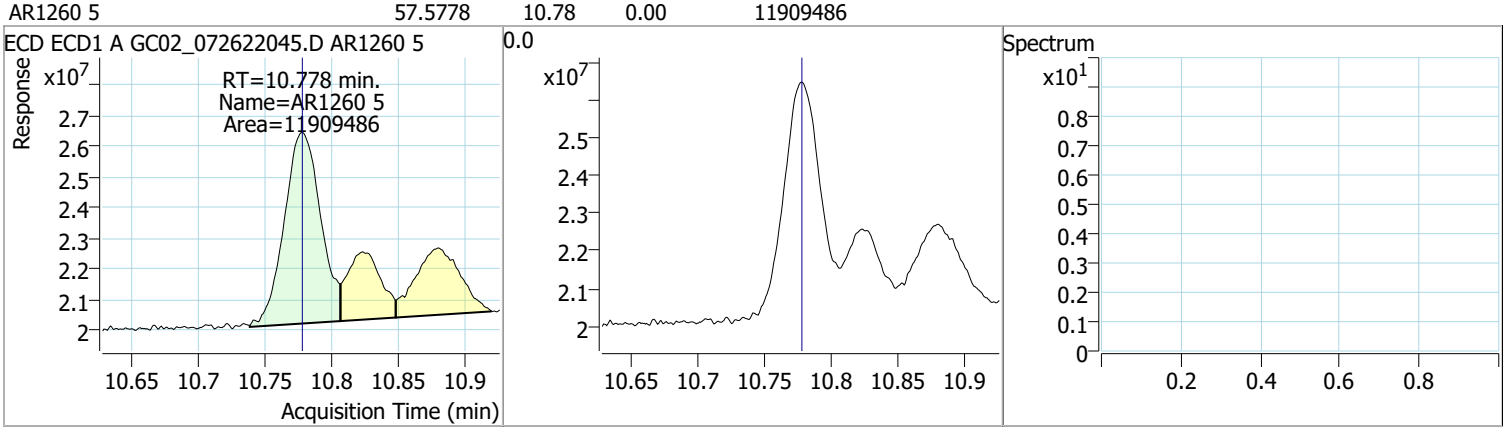
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	68.8380	10.03	0.00	947790				



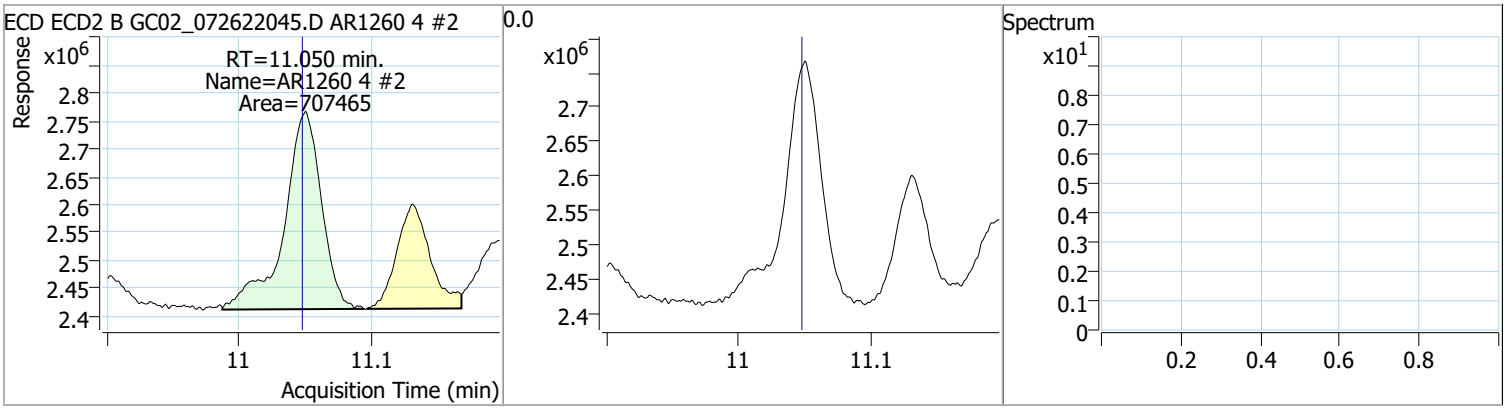
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	67.3442	10.56	0.00	1226184				



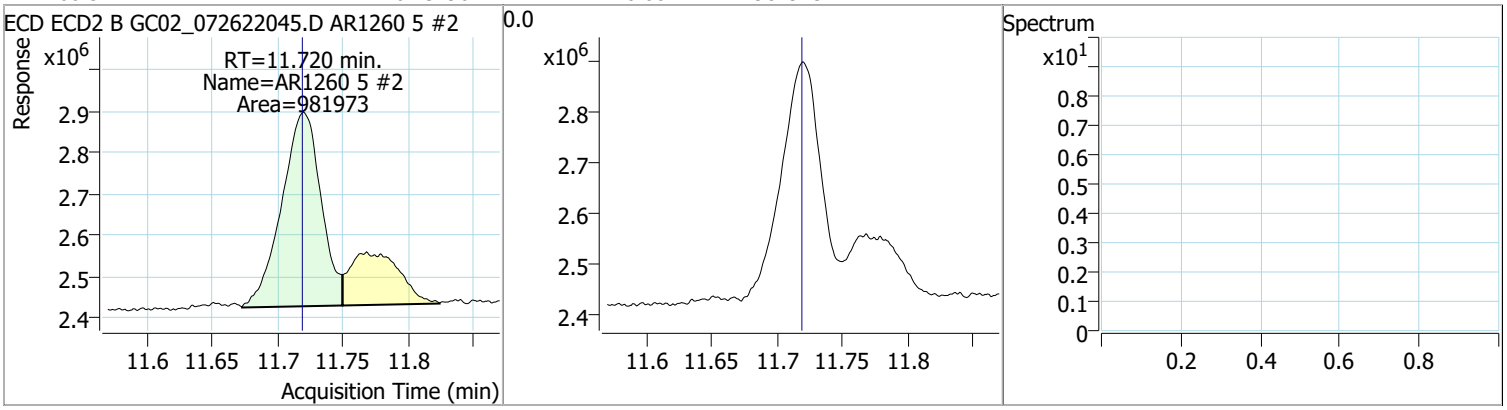
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	57.5778	10.78	0.00	11909486				



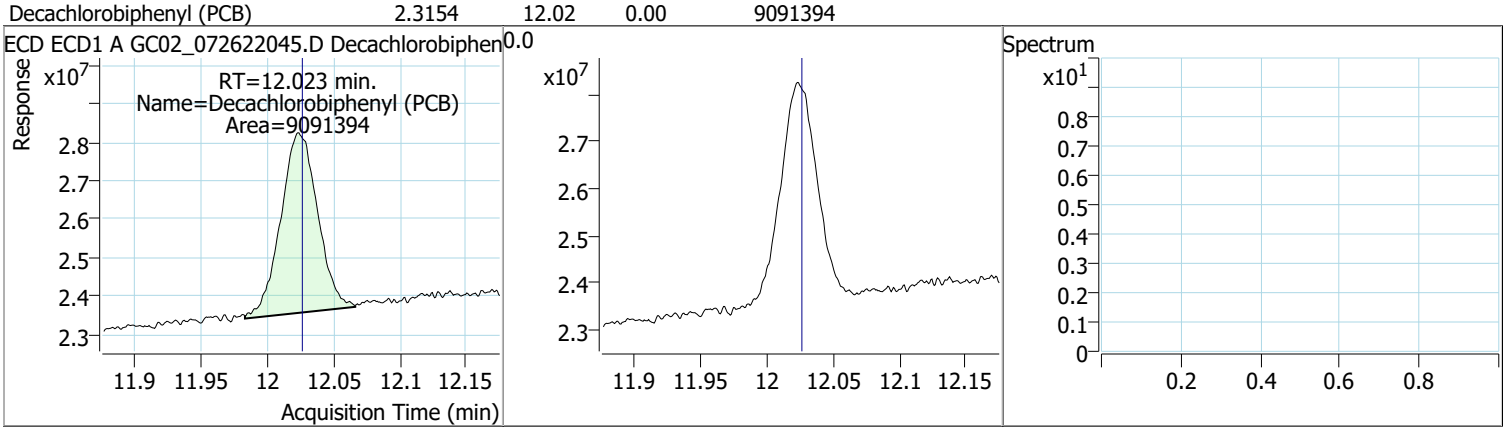
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	69.6158	11.05	0.00	707465				



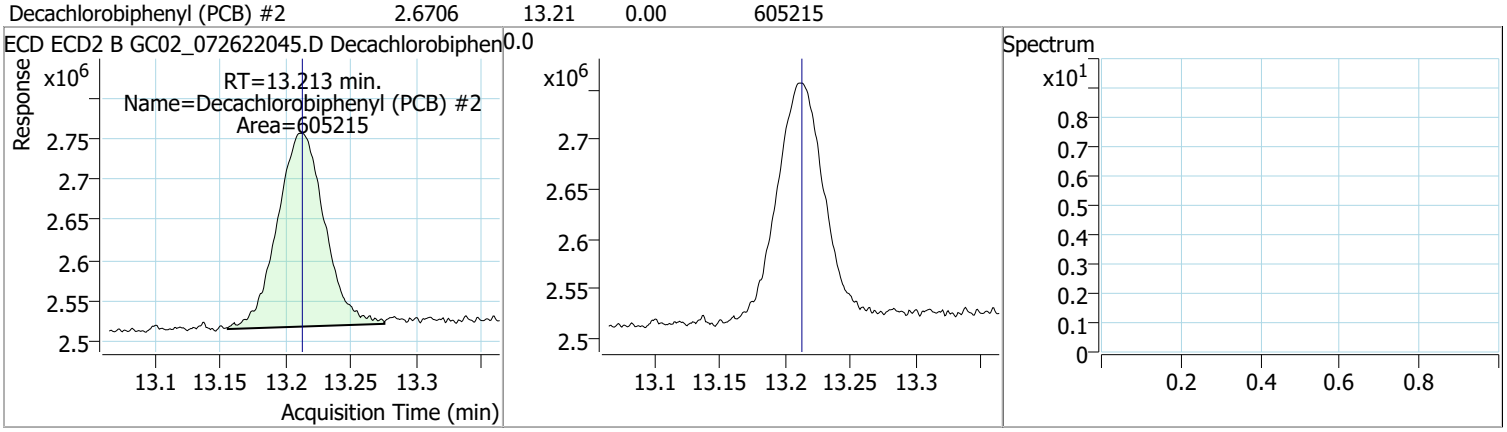
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	67.3296	11.72	0.00	981973				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	2.3154	12.02	0.00	9091394				

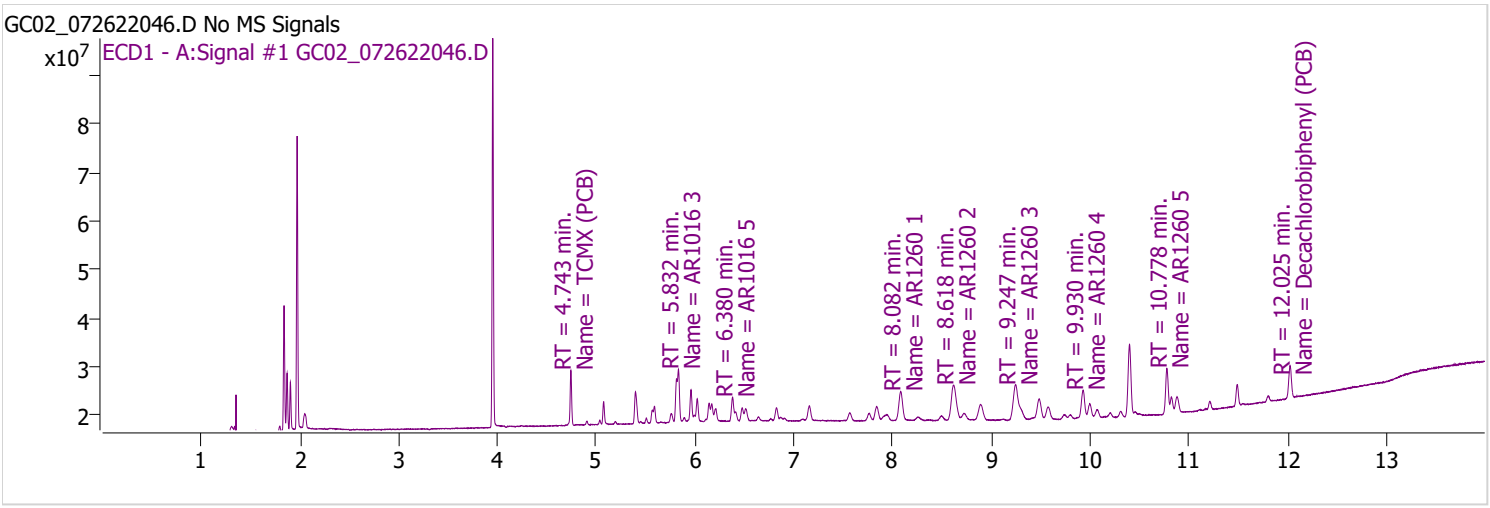


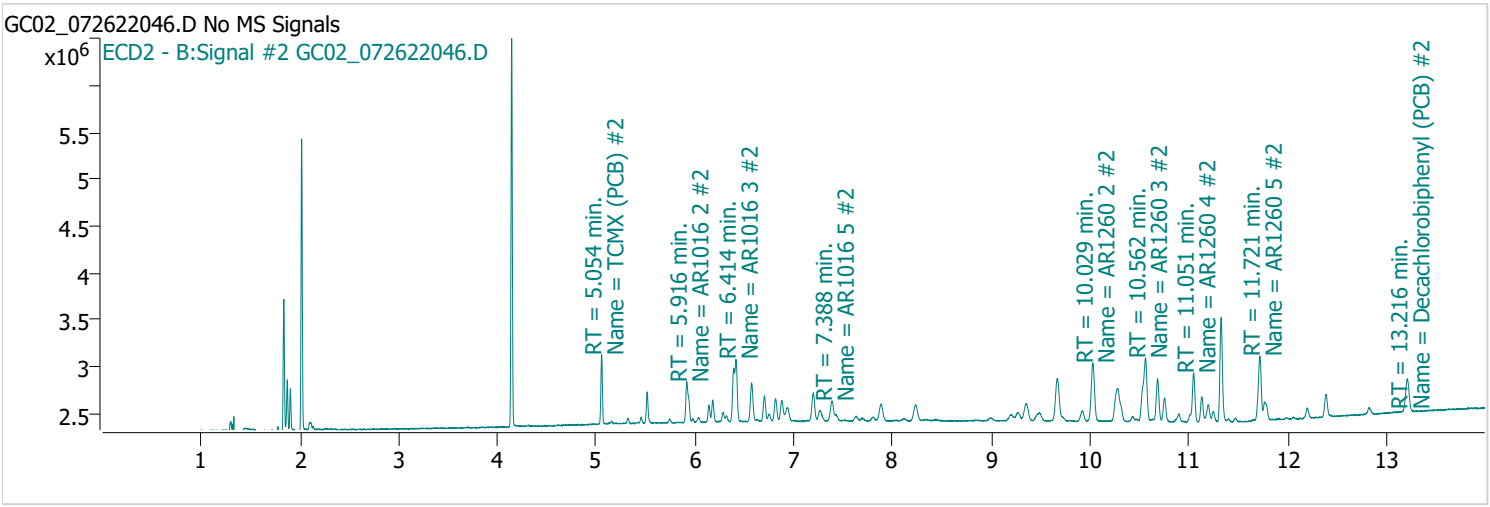
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.6706	13.21	0.00	605215				



Quantitation Results Report (Not Reviewed)

Data File	GC02_072622046.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	7/27/2022 8:38:54 AM
Sample Name	ICAL, S17023, 20, S17010, 250	Instrument	SVOA-GC02
Vial	83	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_1.m	Comment	100PPB PCB ICAL 3
Tune File	ATUNE.U	Tune Date	
Batch Name	072622PCBICAL.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



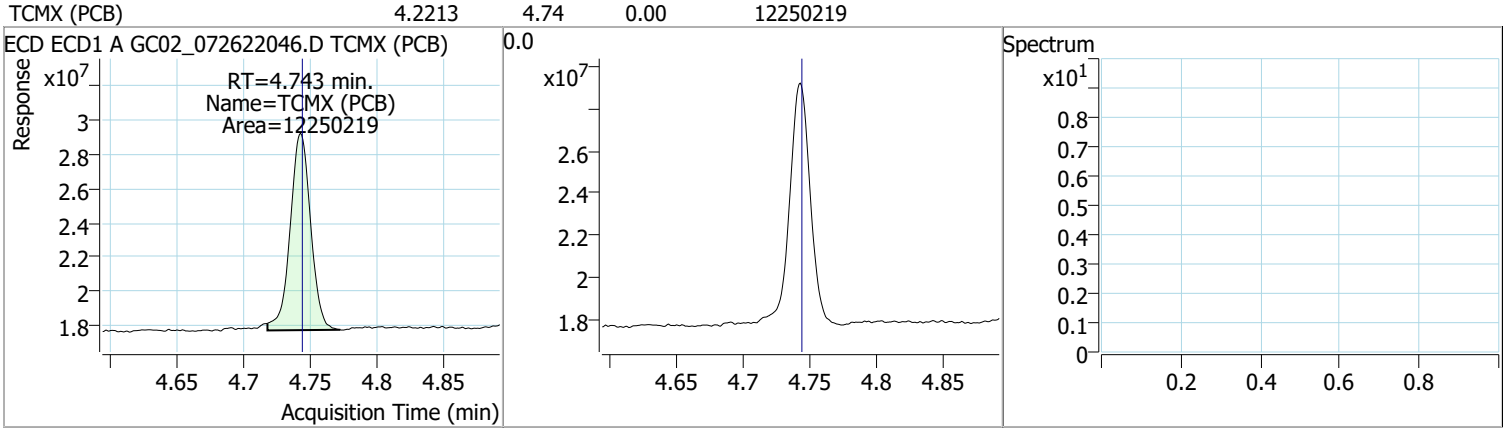


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.952	0.0	74431250.513	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.144	0.0	3936345.498	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.743	0.0	12250218.866	4.2213	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 21.11%		*	
S TCMX (PCB) #2	5.054	0.0	812254.758	4.5160	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 22.58%		*	
S Decachlorobiphenyl (PCB)	12.025	0.0	13254106.673	3.8045	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 19.02%		*	
S Decachlorobiphenyl (PCB) #2	13.216	0.0	884967.952	4.4011	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 22.01%		*	
Target Compounds							QValue
T AR1016 1	5.074	0.0	5603816.739	114.6939	ng/ml		100

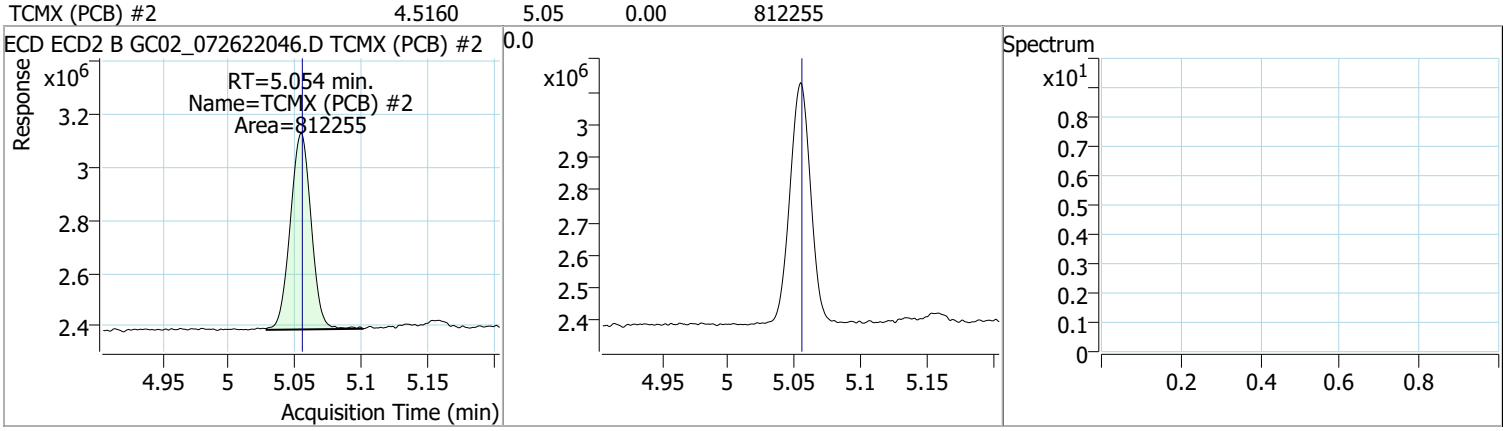
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.397	0.0	10689322.071	113.3233	ng/ml		100
T AR1016 1 #2	5.515	0.0	421956.595	113.7694	ng/ml		100
T AR1016 3	5.832	0.0	15784916.457	106.5521	ng/ml	m	100
T AR1016 2 #2	5.916	0.0	872990.759	114.7734	ng/ml		100
T AR1016 4	5.959	0.0	9035147.274	104.2441	ng/ml		100
T AR1016 5	6.380	0.0	8135877.901	107.1524	ng/ml		100
T AR1016 3 #2	6.414	0.0	1073717.449	113.9329	ng/ml		100
T AR1016 4 #2	6.574	0.0	753957.579	113.0557	ng/ml		100
T AR1016 5 #2	7.388	0.0	607490.837	111.9100	ng/ml	m	100
T AR1260 1	8.082	0.0	16094391.399	105.5012	ng/ml		100
T AR1260 2	8.618	0.0	25052828.053	105.9518	ng/ml		100
T AR1260 3	9.247	0.0	27584067.970	98.9527	ng/ml		100
T AR1260 1 #2	9.669	0.0	1311035.407	117.4261	ng/ml		100
T AR1260 4	9.930	0.0	13293552.888	105.3526	ng/ml		100
T AR1260 2 #2	10.029	0.0	1441761.251	118.0144	ng/ml		100
T AR1260 3 #2	10.562	0.0	1864255.065	115.3921	ng/ml		100
T AR1260 5	10.778	0.0	18246042.263	99.4216	ng/ml		100
T AR1260 4 #2	11.051	0.0	1013607.996	112.4084	ng/ml		100
T AR1260 5 #2	11.721	0.0	1487957.881	114.9802	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

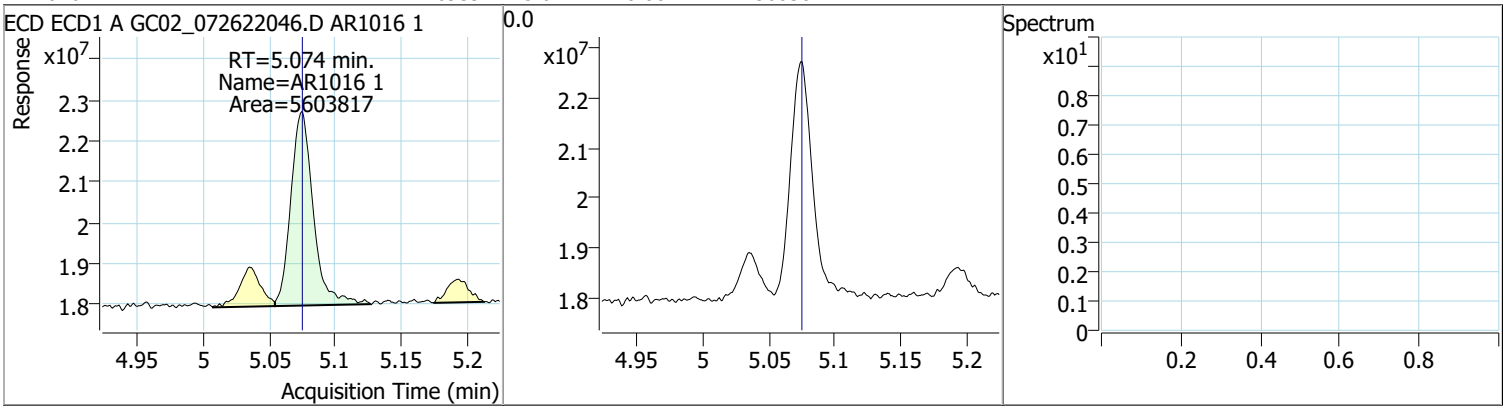
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	4.2213	4.74	0.00	12250219				



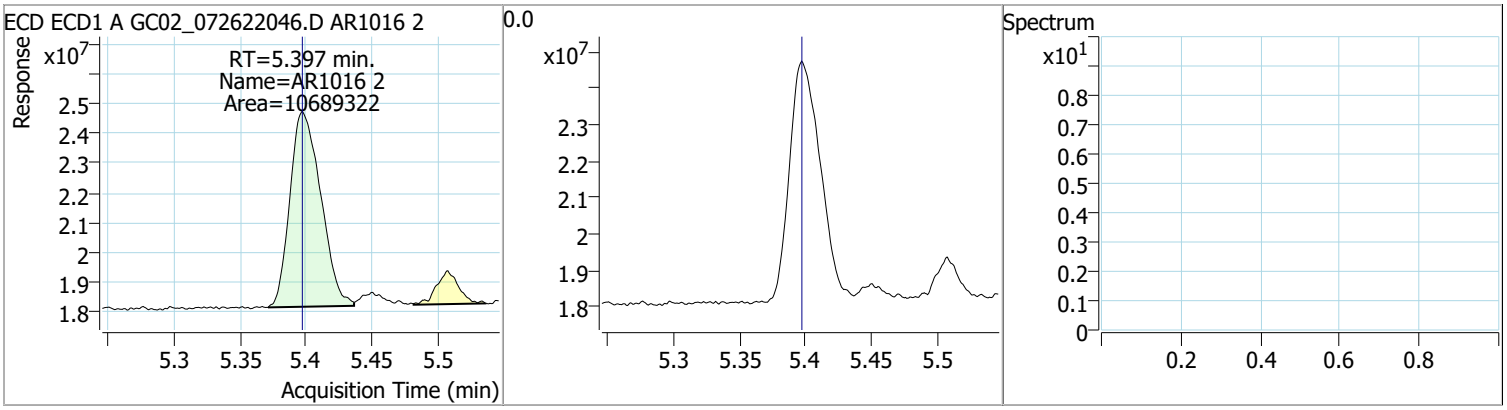
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.5160	5.05	0.00	812255				



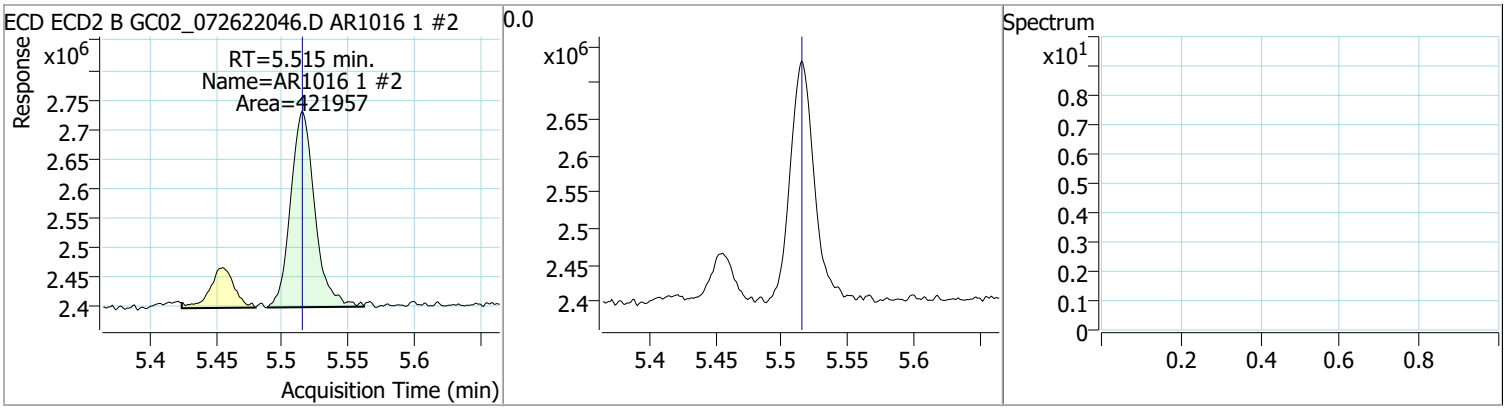
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	114.6939	5.07	0.00	5603817				



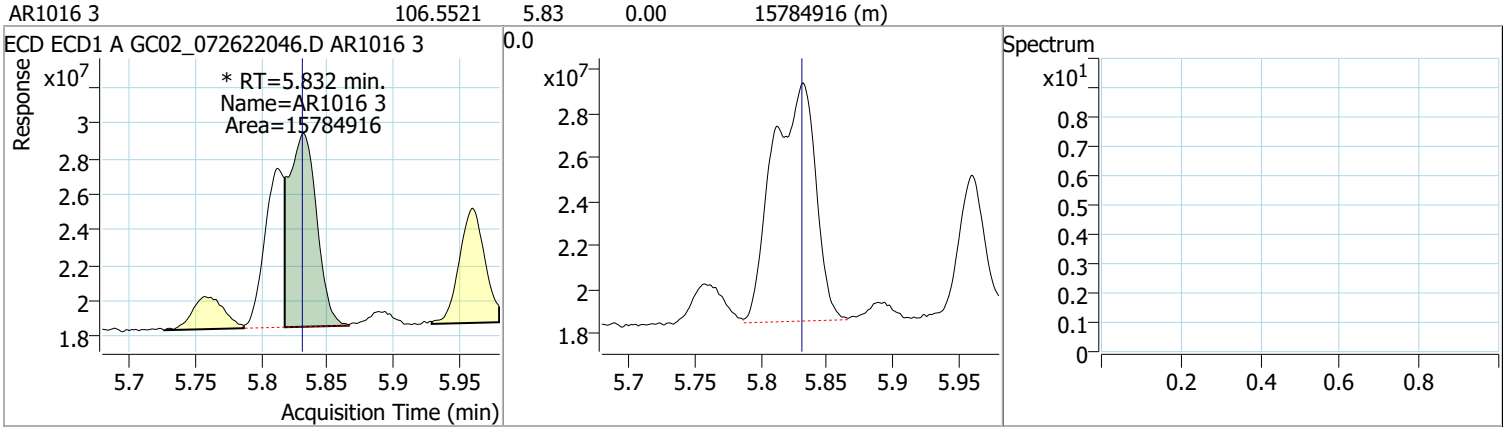
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	113.3233	5.40	0.00	10689322				



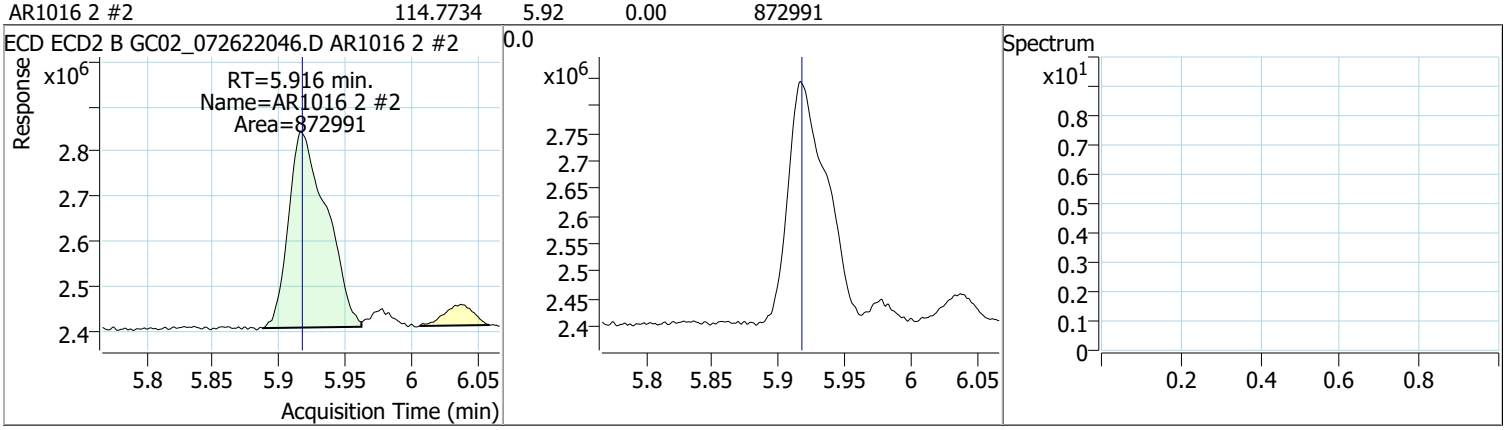
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	113.7694	5.52	0.00	421957				



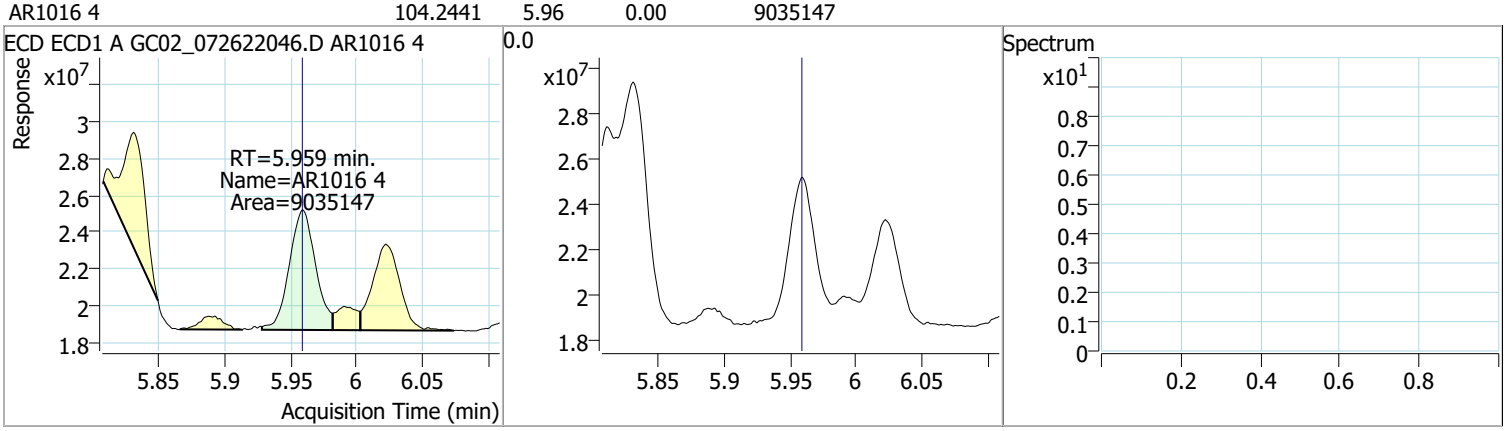
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	106.5521	5.83	0.00	15784916 (m)				



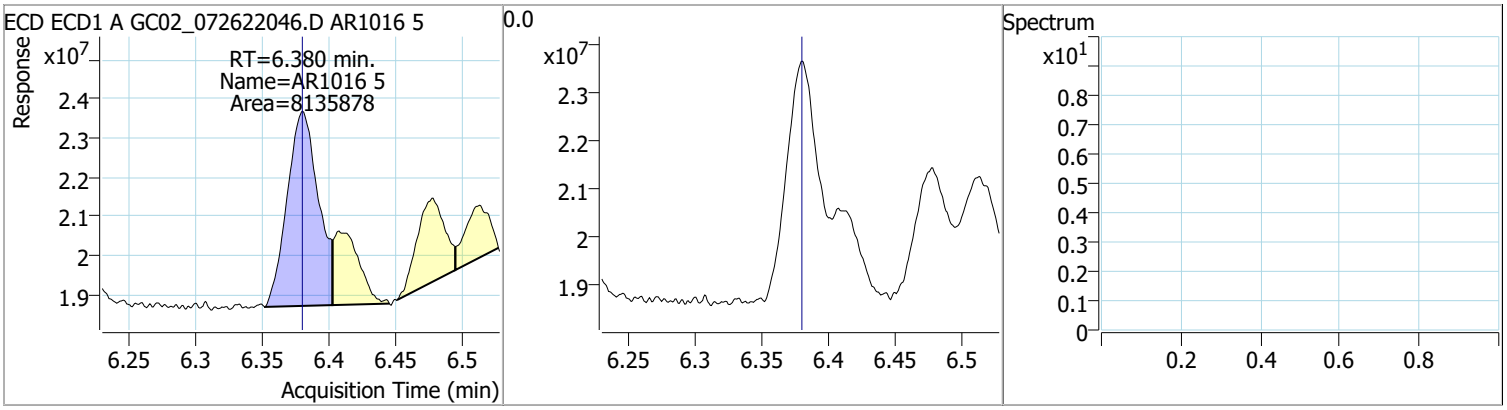
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	114.7734	5.92	0.00	872991				



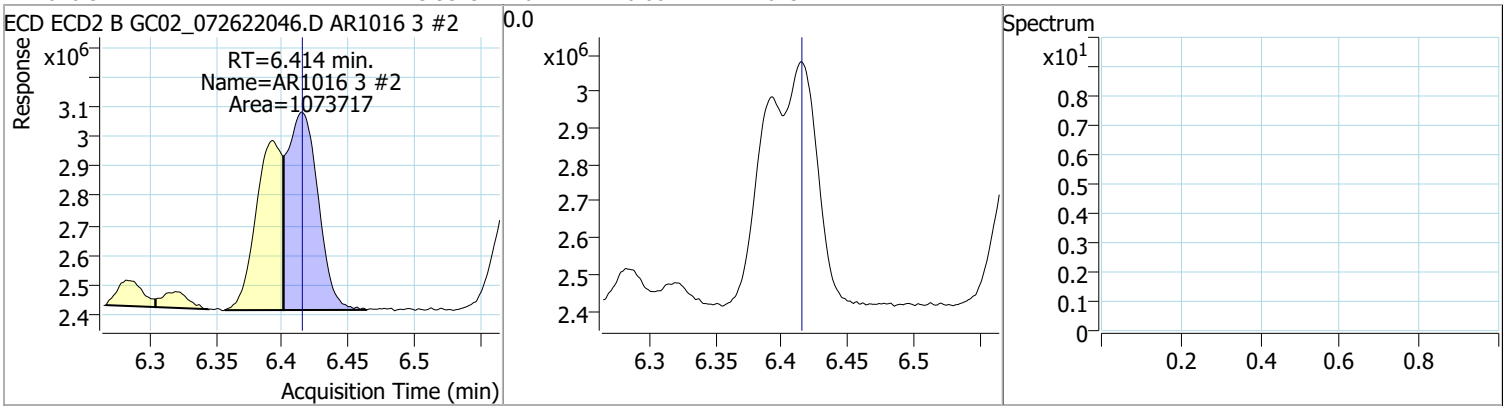
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	104.2441	5.96	0.00	9035147				



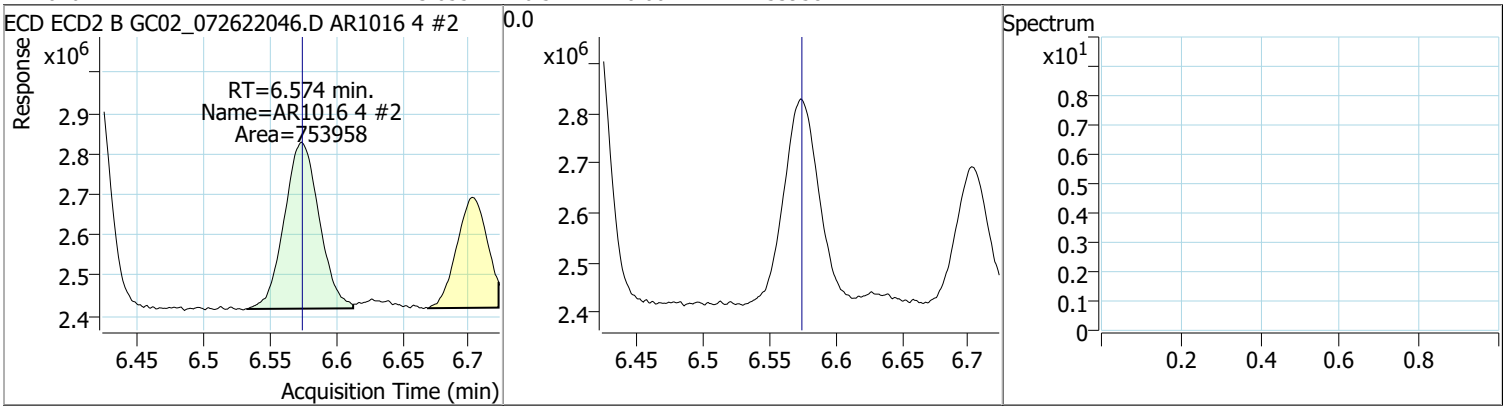
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	107.1524	6.38	0.00	8135878				



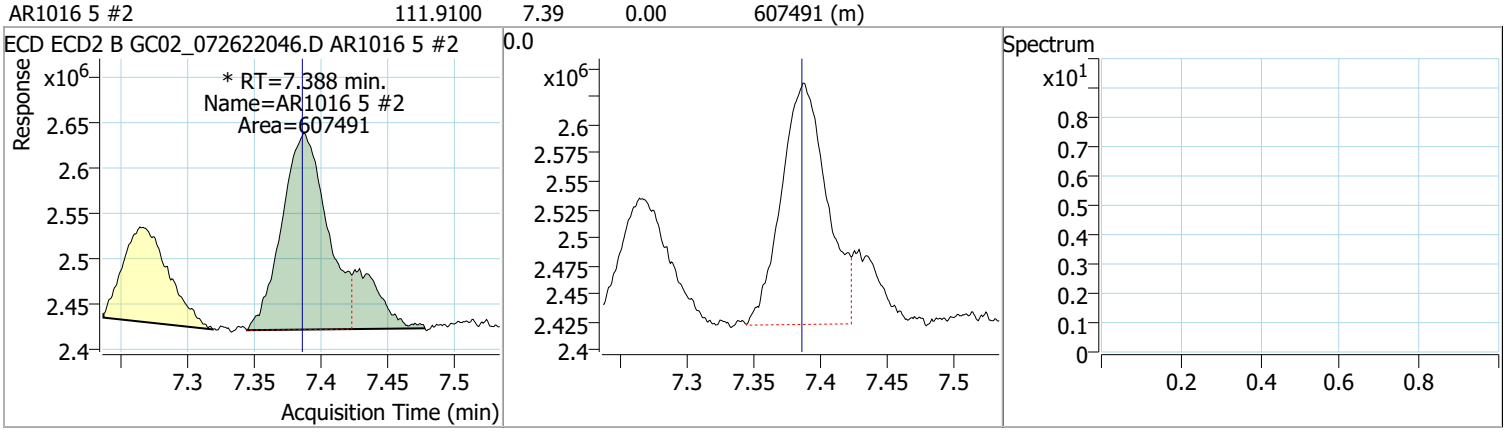
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	113.9329	6.41	0.00	1073717				



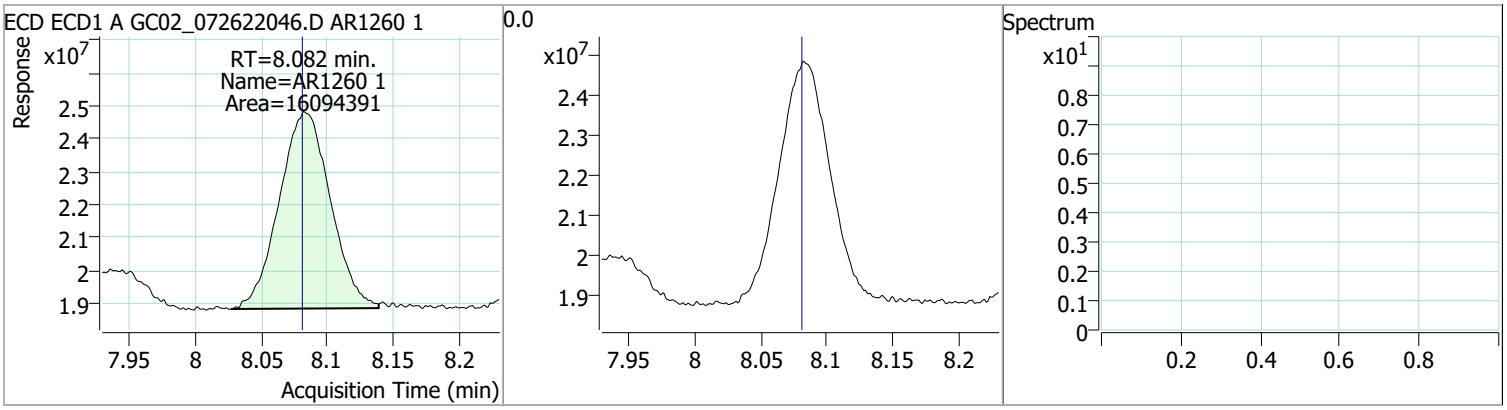
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	113.0557	6.57	0.00	753958				



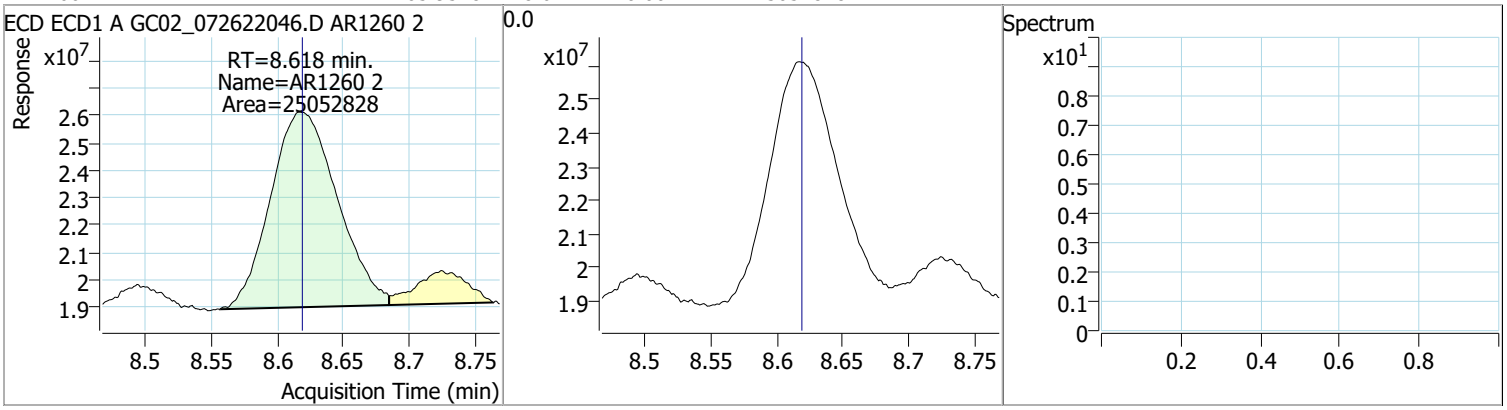
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	111.9100	7.39	0.00	607491 (m)				



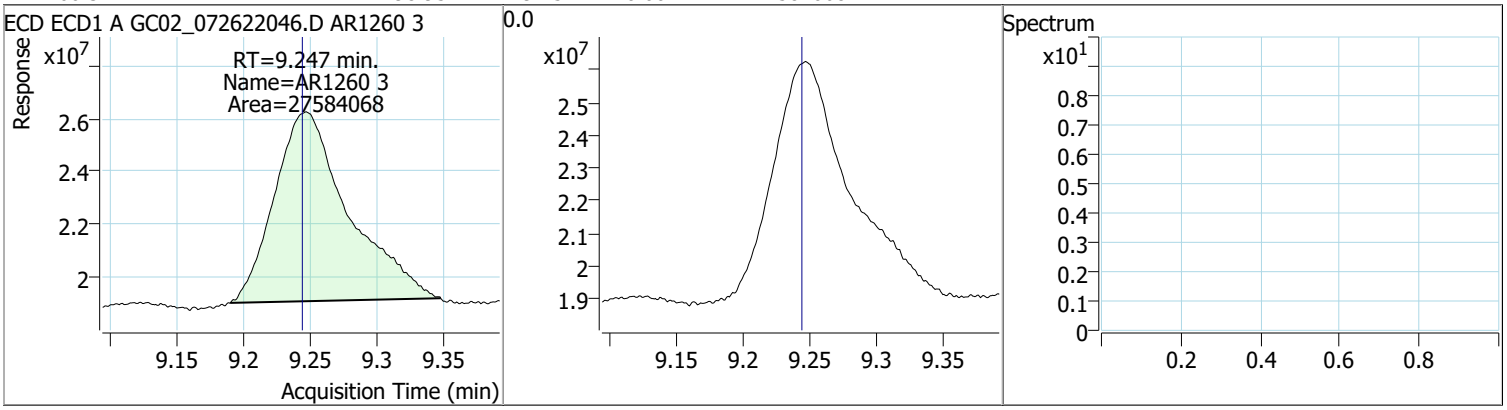
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	105.5012	8.08	0.00	16094391				



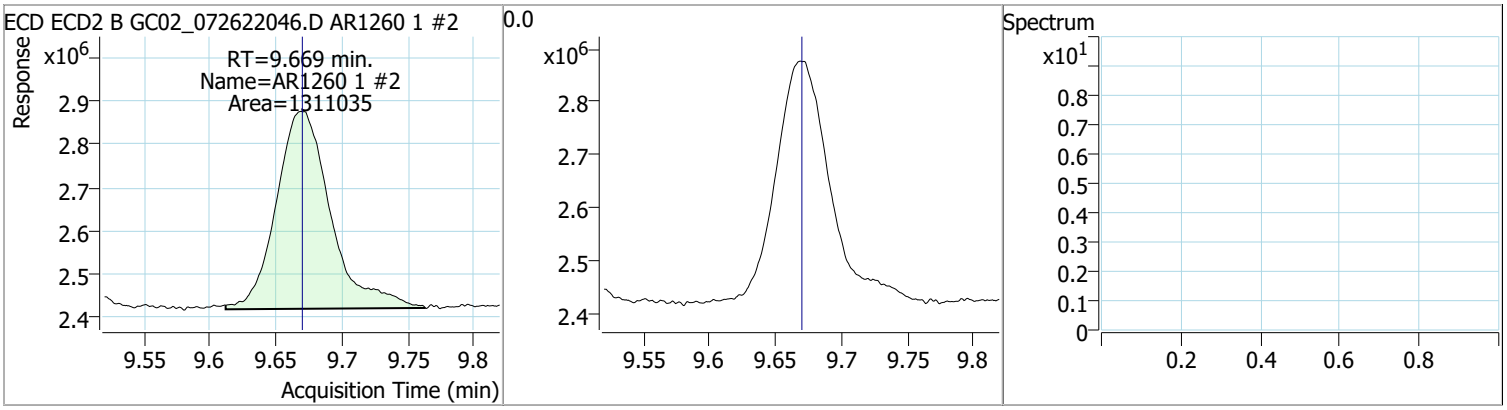
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	105.9518	8.62	0.00	25052828				



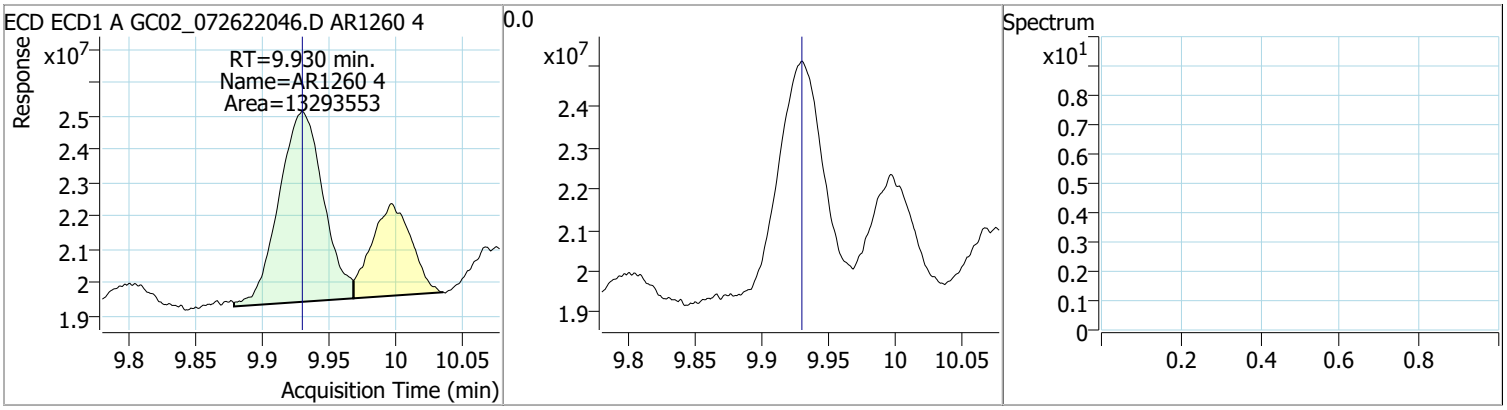
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	98.9527	9.25	0.00	27584068				



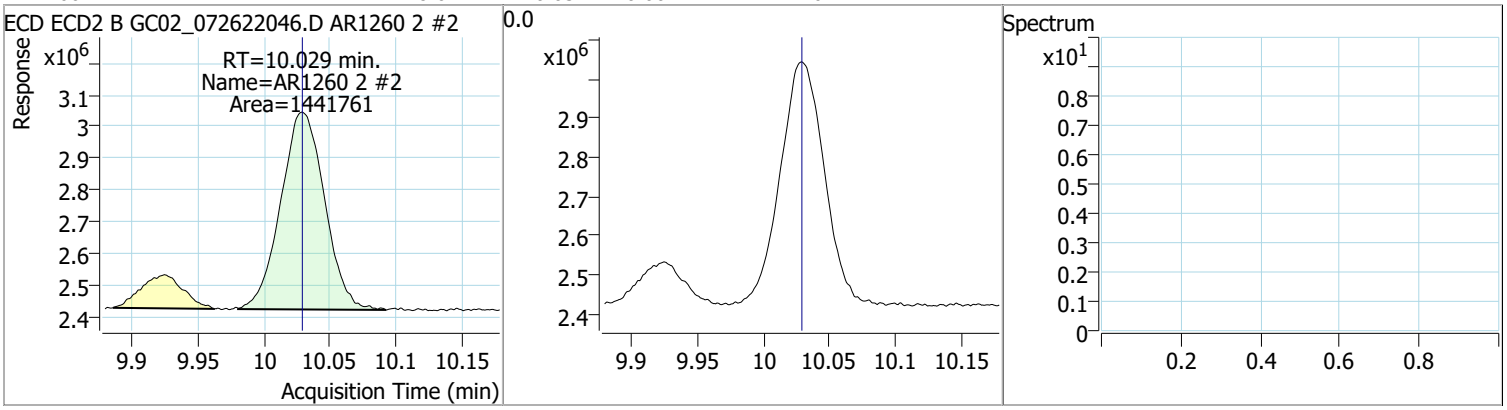
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	117.4261	9.67	0.00	1311035				



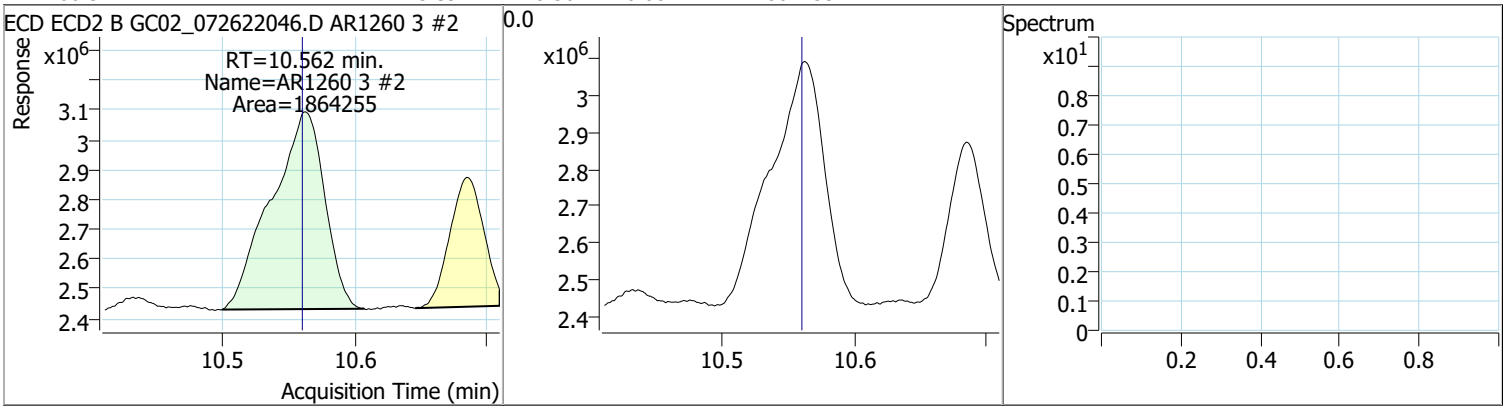
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	105.3526	9.93	0.00	13293553				



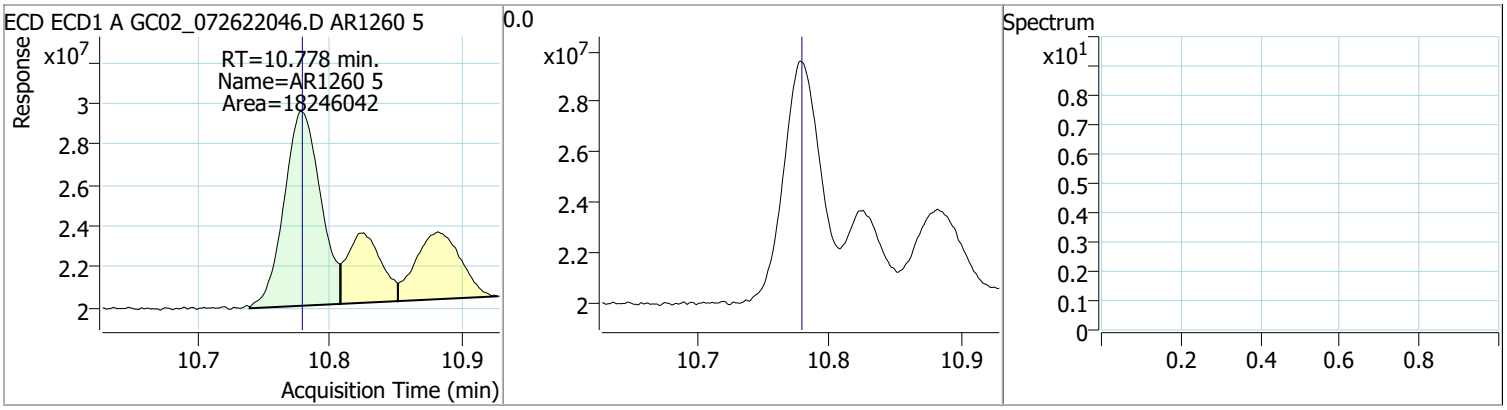
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	118.0144	10.03	0.00	1441761				



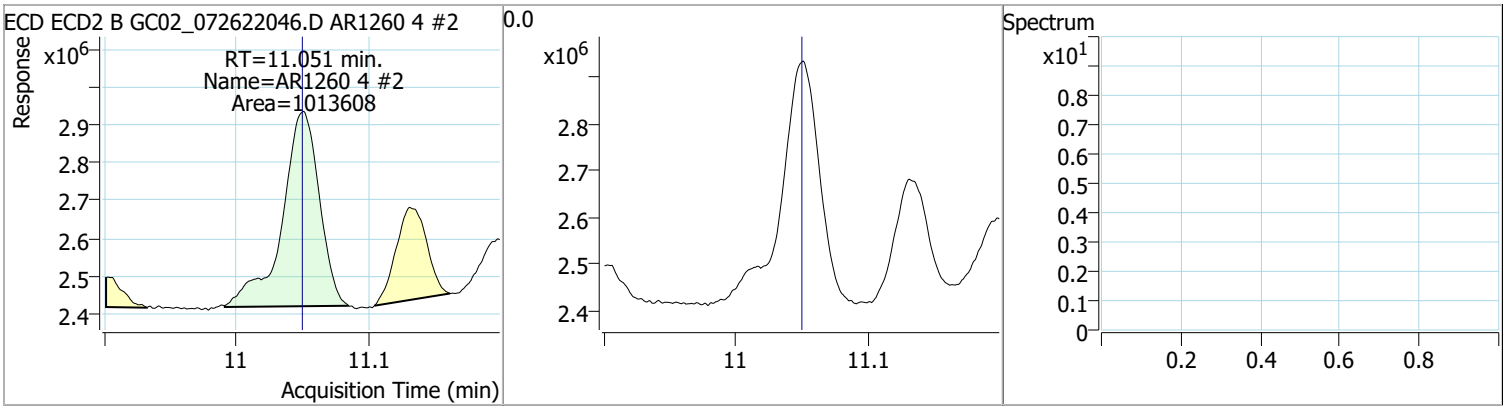
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	115.3921	10.56	0.00	1864255				



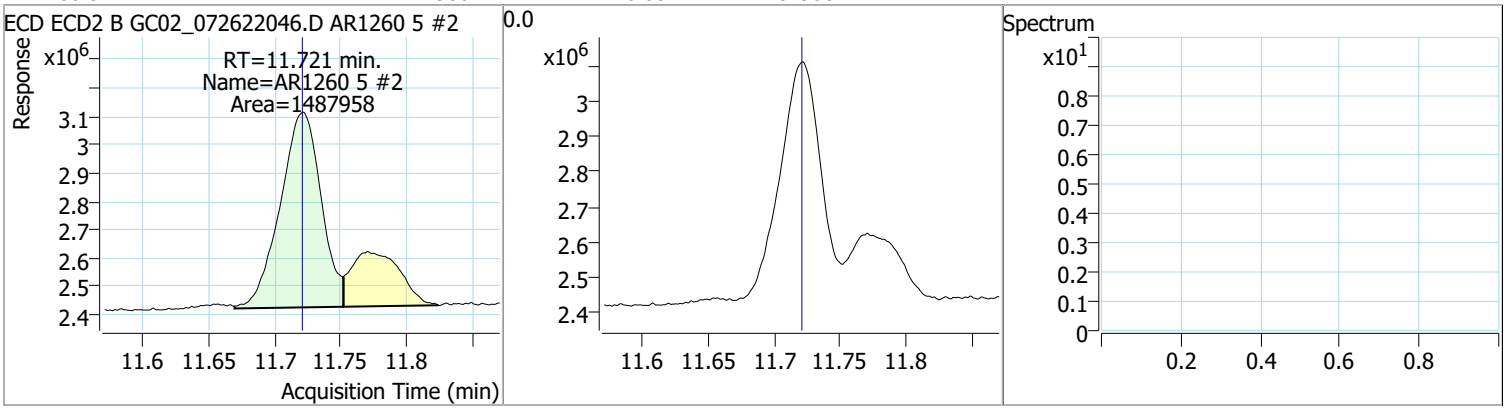
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	99.4216	10.78	0.00	18246042				



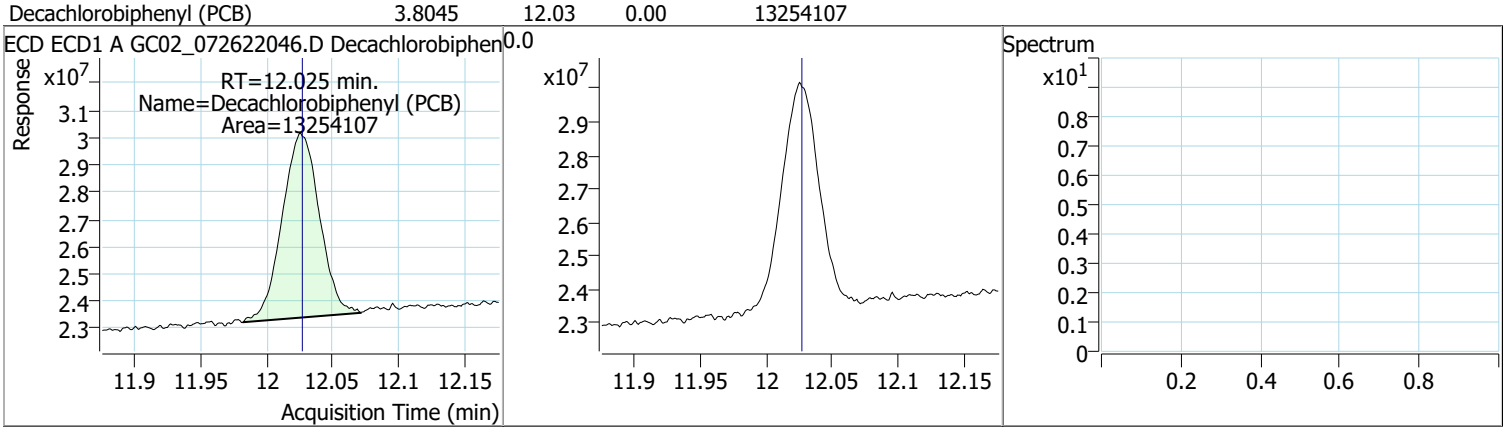
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	112.4084	11.05	0.00	1013608				



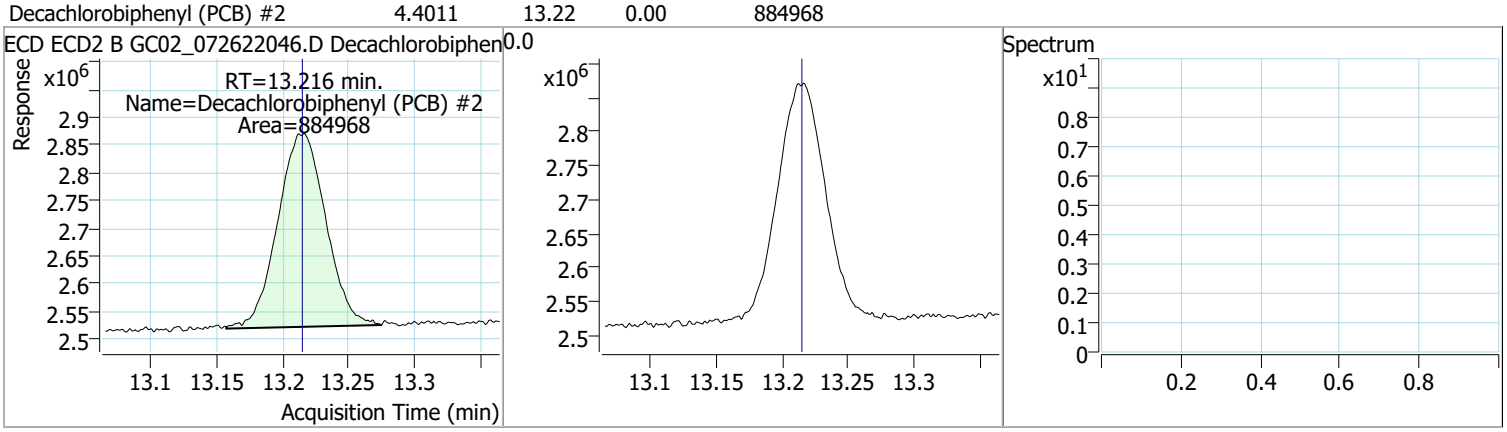
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	114.9802	11.72	0.00	1487958				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	3.8045	12.03	0.00	13254107				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	4.4011	13.22	0.00	884968				



Quantitation Results Report (Not Reviewed)

Data File	GC02_072622047.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	7/27/2022 8:56:41 AM
Sample Name	ICAL, S17023, 8, S17010, 250	Instrument	SVOA-GC02
Vial	84	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_1.m	Comment	250PPB PCB ICAL 4
Tune File	ATUNE.U	Tune Date	
Batch Name	072622PCBICAL.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
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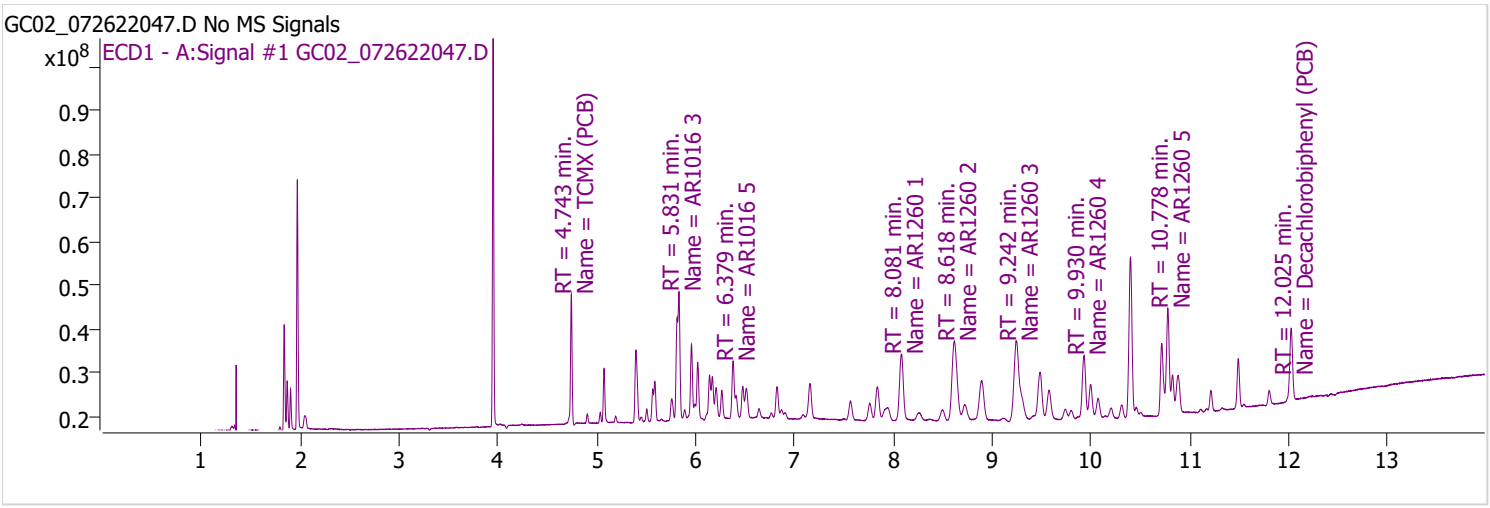
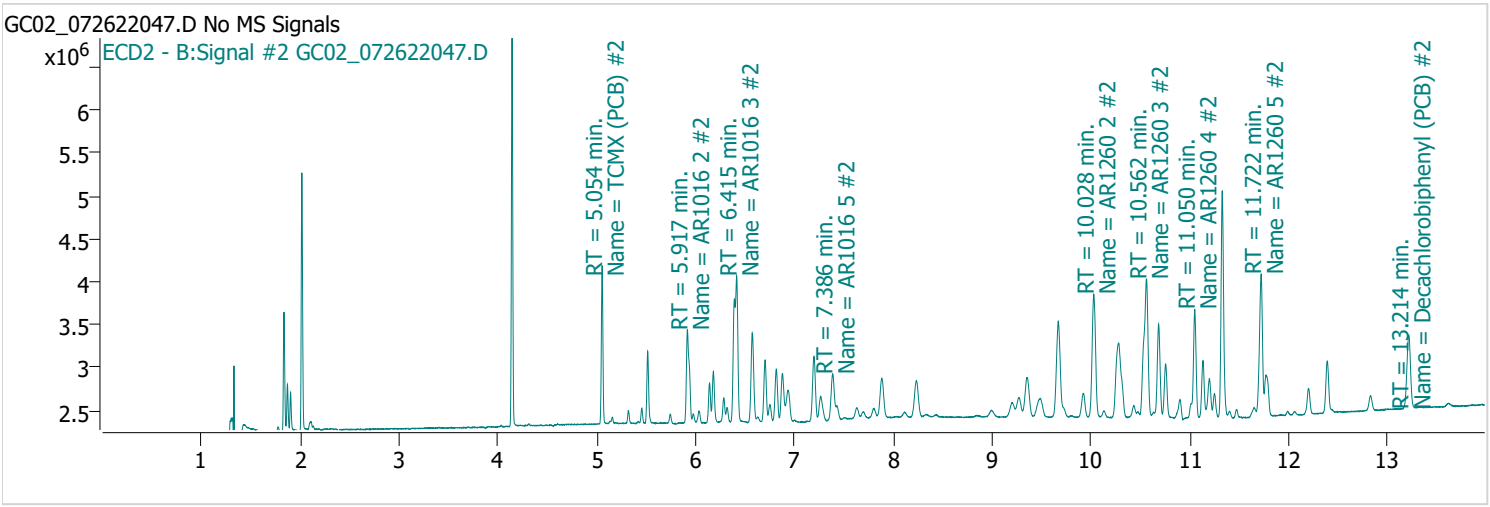


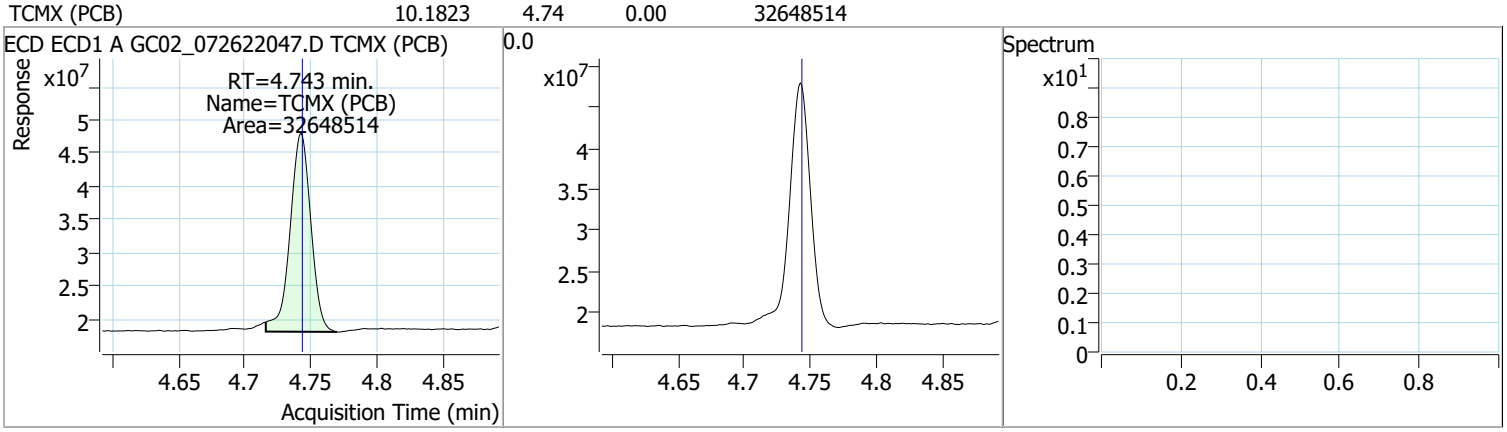


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.952	0.0	82239020.674	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.143	0.0	4299920.701	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.743	0.0	32648514.245	10.1823	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 50.91%			
S TCMX (PCB) #2	5.054	0.0	2011481.368	10.2378	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 51.19%			
S Decachlorobiphenyl (PCB)	12.025	0.0	34750789.131	9.0280	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 45.14%		*	
S Decachlorobiphenyl (PCB) #2	13.214	0.0	2173941.199	9.8972	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 49.49%		*	
Target Compounds							QValue

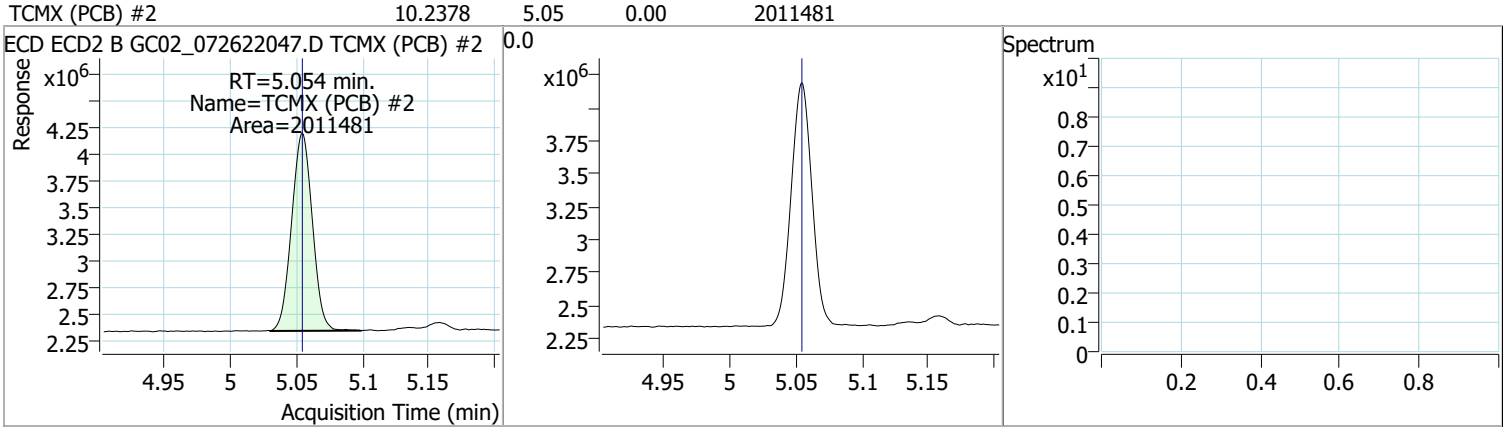
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.073	0.0	14721749.635	272.7051	ng/ml		100
T AR1016 2	5.397	0.0	27443681.645	263.3230	ng/ml		100
T AR1016 1 #2	5.515	0.0	1085877.627	268.0225	ng/ml		100
T AR1016 3	5.831	0.0	41381315.117	252.8143	ng/ml	m	100
T AR1016 2 #2	5.917	0.0	2268110.985	272.9785	ng/ml		100
T AR1016 4	5.958	0.0	24541186.783	256.2648	ng/ml		100
T AR1016 5	6.379	0.0	21217735.600	252.9147	ng/ml		100
T AR1016 3 #2	6.415	0.0	2853721.129	277.2065	ng/ml	m	100
T AR1016 4 #2	6.573	0.0	2004218.044	275.1207	ng/ml		100
T AR1016 5 #2	7.386	0.0	1518526.477	256.0851	ng/ml	m	100
T AR1260 1	8.081	0.0	42048072.321	249.4632	ng/ml		100
T AR1260 2	8.618	0.0	63695305.719	243.8016	ng/ml		100
T AR1260 3	9.242	0.0	72241686.302	234.5495	ng/ml		100
T AR1260 1 #2	9.668	0.0	3176577.217	260.4608	ng/ml		100
T AR1260 4	9.930	0.0	32943423.387	236.2926	ng/ml		100
T AR1260 2 #2	10.028	0.0	3460654.878	259.3181	ng/ml		100
T AR1260 3 #2	10.562	0.0	4548967.470	257.7604	ng/ml		100
T AR1260 5	10.778	0.0	49286412.934	243.0617	ng/ml		100
T AR1260 4 #2	11.050	0.0	2459103.958	249.6539	ng/ml		100
T AR1260 5 #2	11.722	0.0	3633726.562	257.0498	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

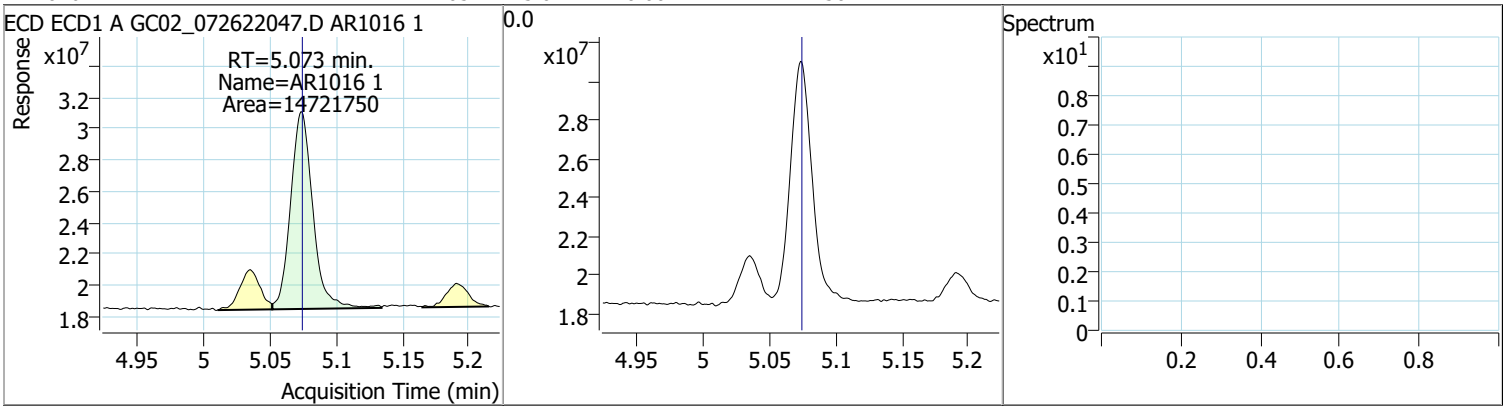
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	10.1823	4.74	0.00	32648514				



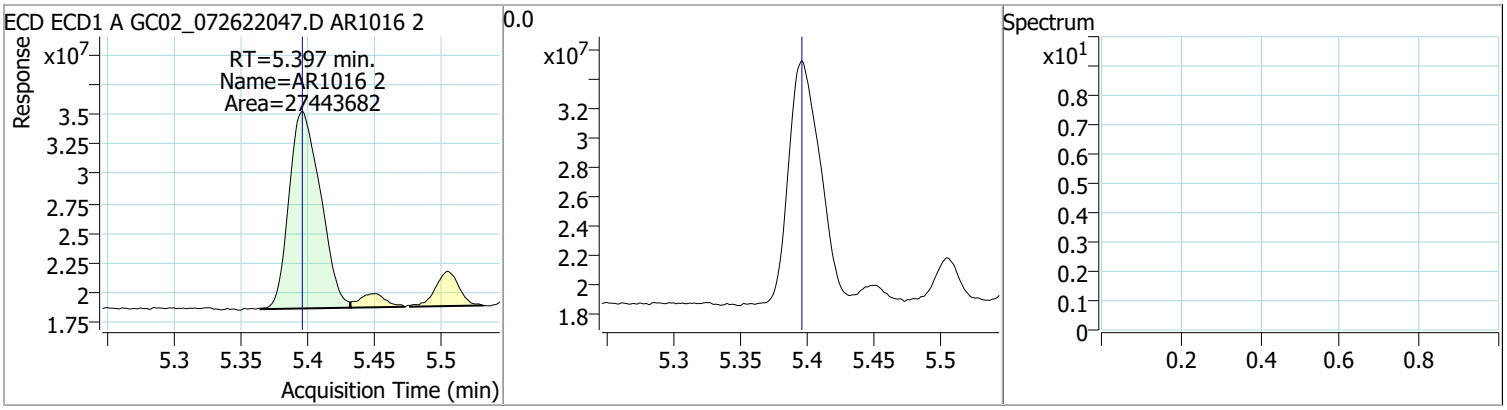
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	10.2378	5.05	0.00	2011481				



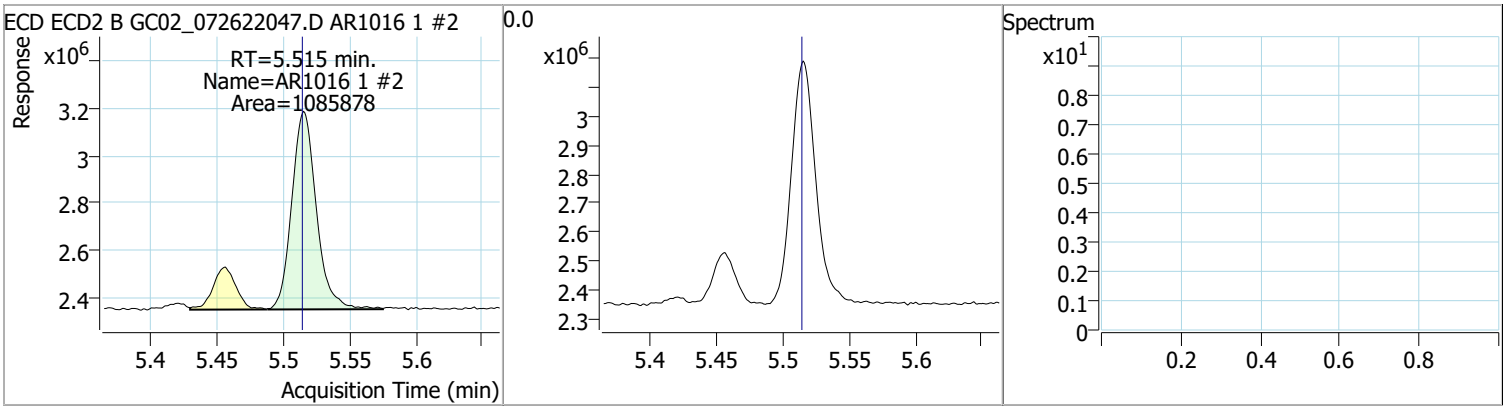
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	272.7051	5.07	0.00	14721750				



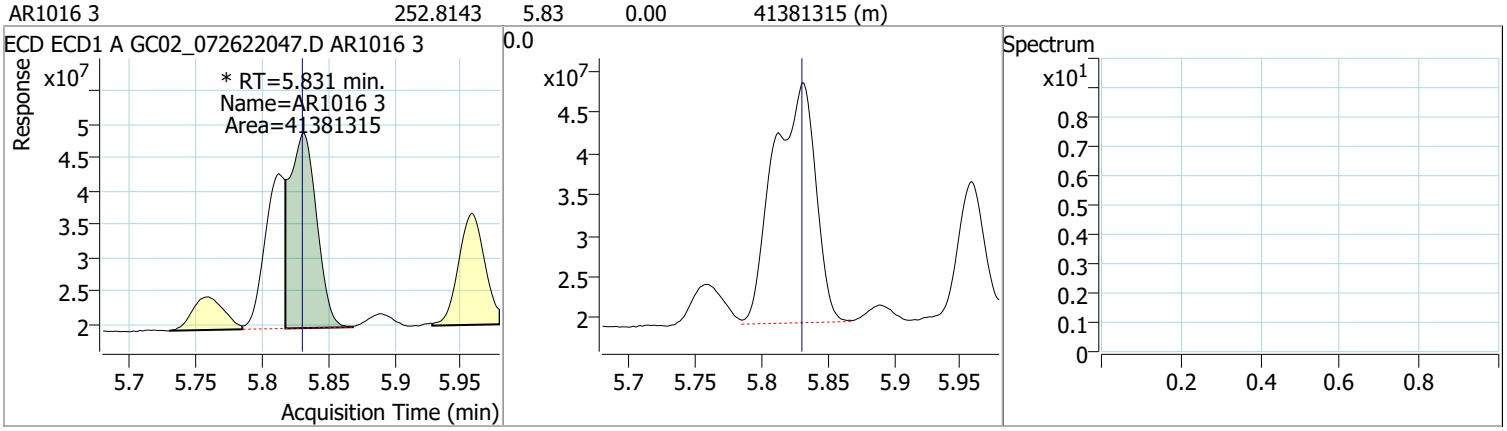
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	263.3230	5.40	0.00	27443682				



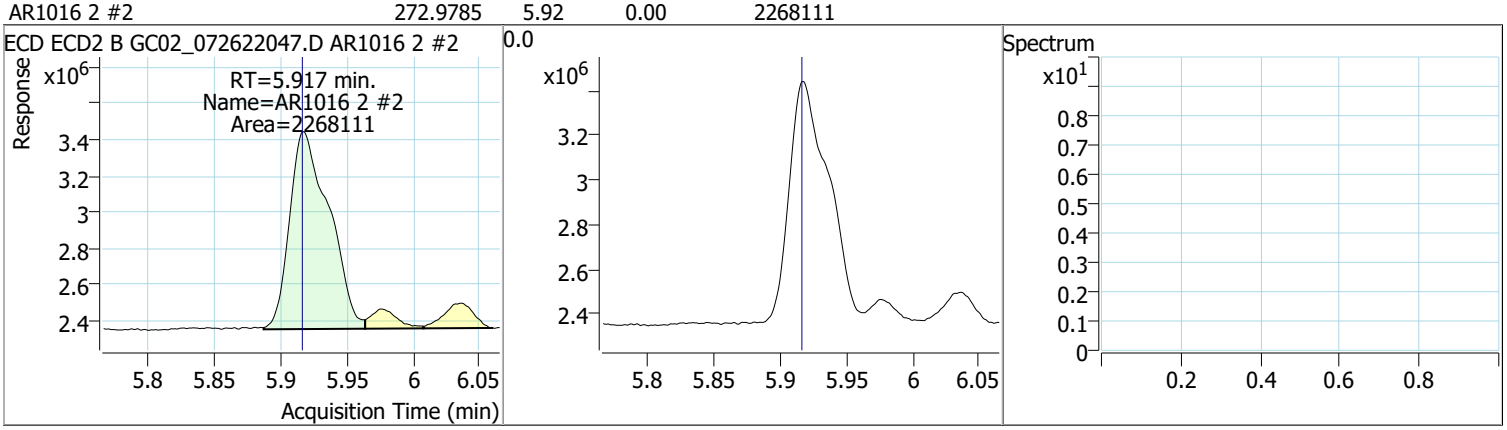
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	268.0225	5.52	0.00	1085878				



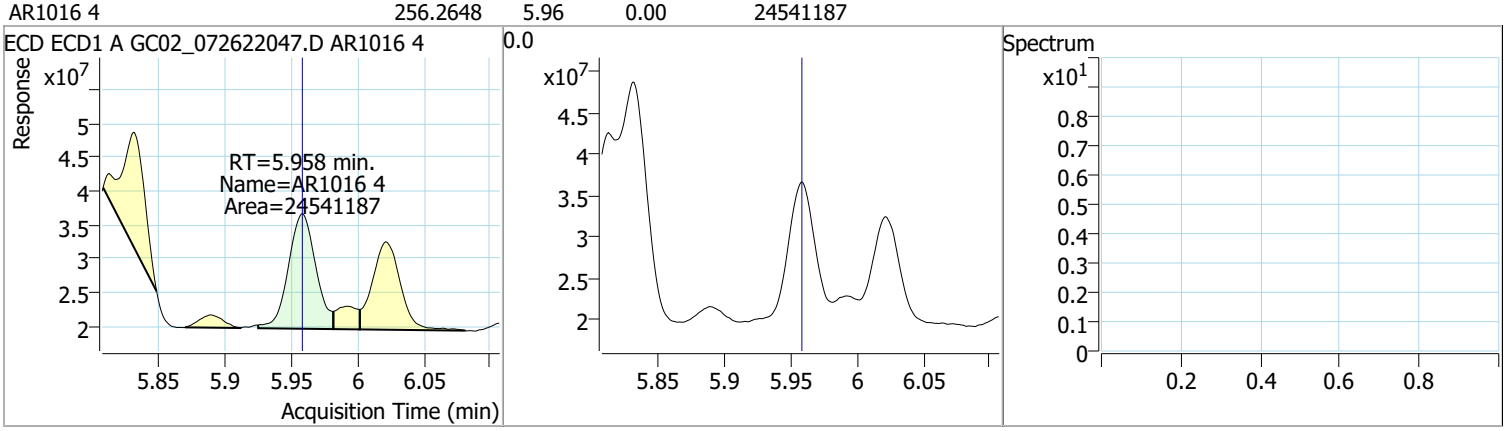
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	252.8143	5.83	0.00	41381315 (m)				



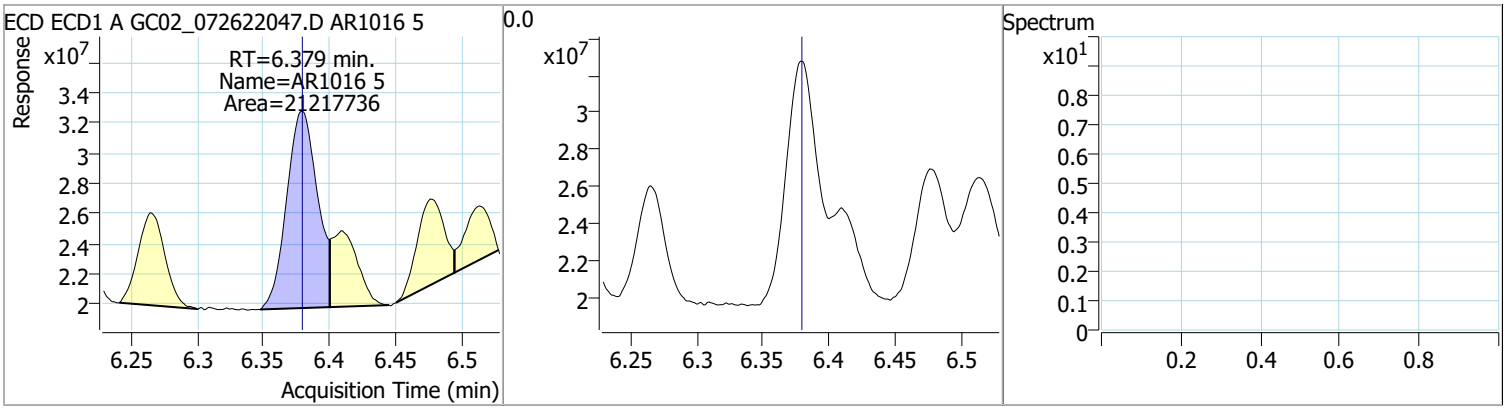
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	272.9785	5.92	0.00	2268111				



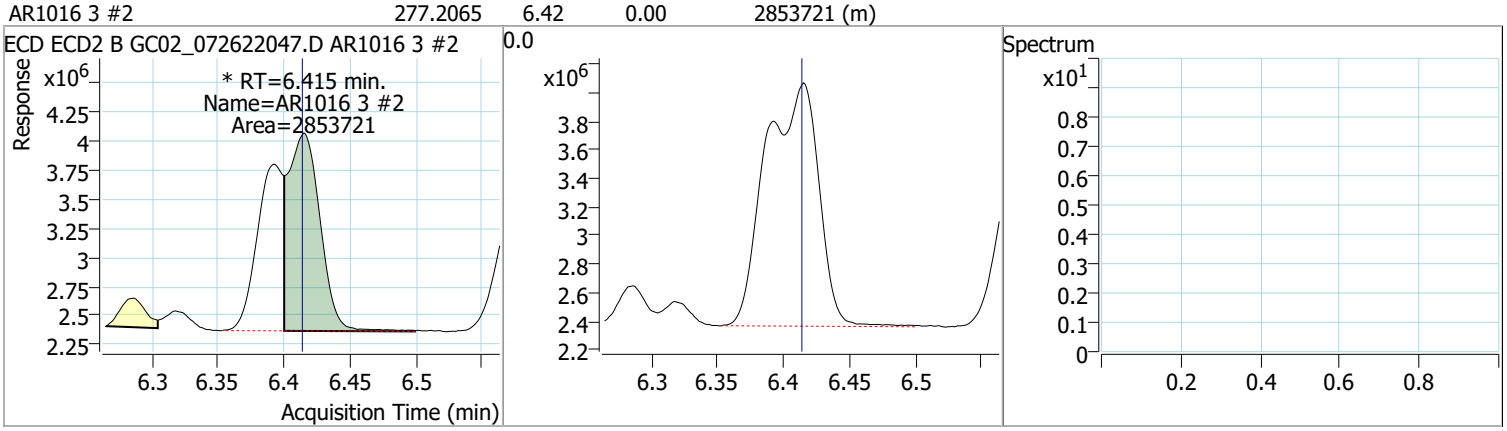
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	256.2648	5.96	0.00	24541187				



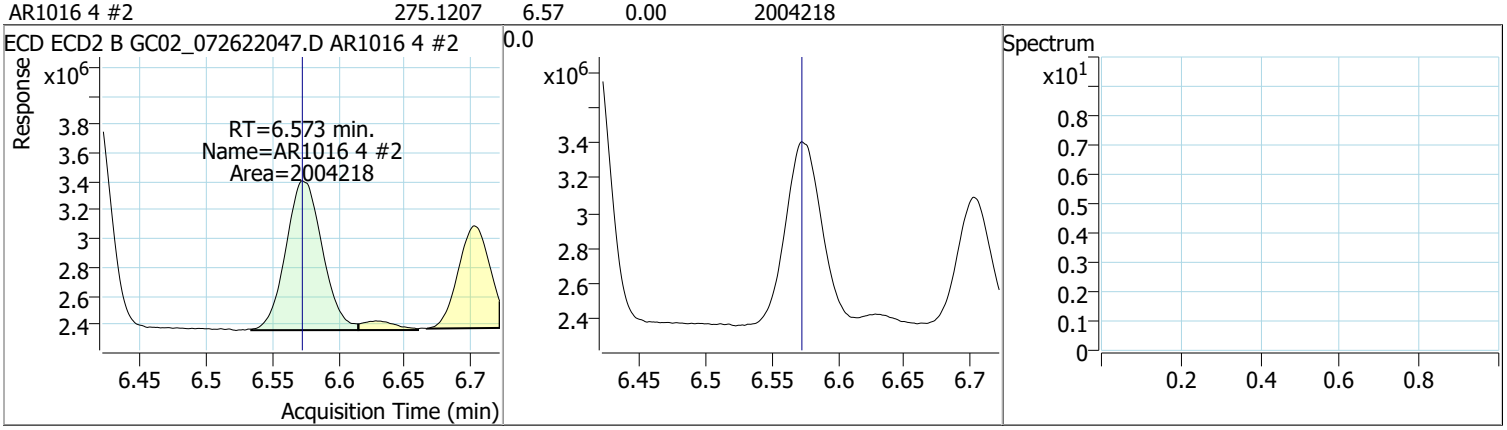
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	252.9147	6.38	0.00	21217736				



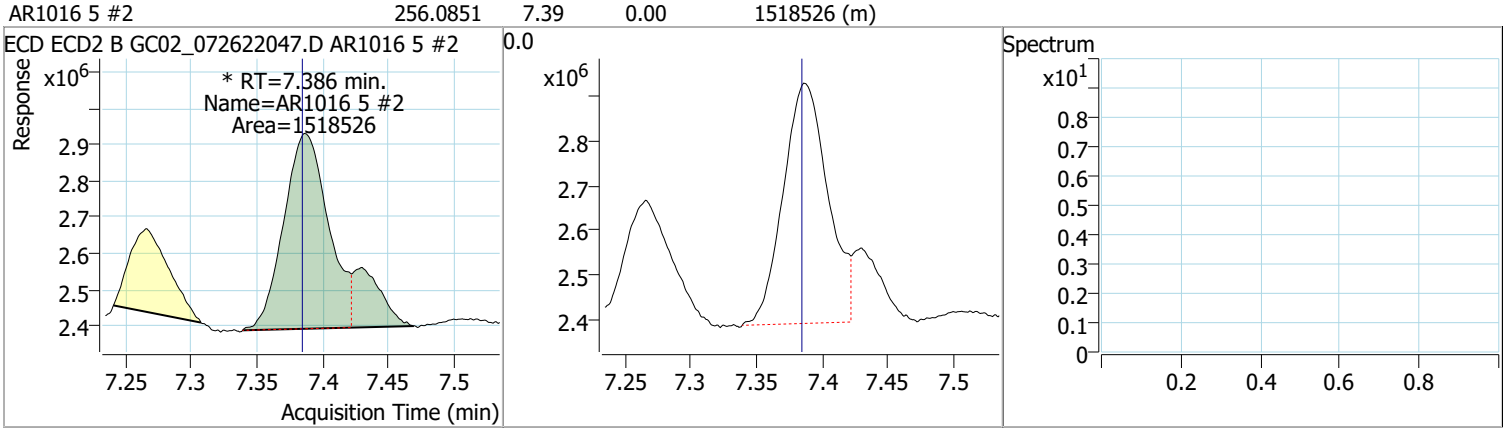
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	277.2065	6.42	0.00	2853721 (m)				



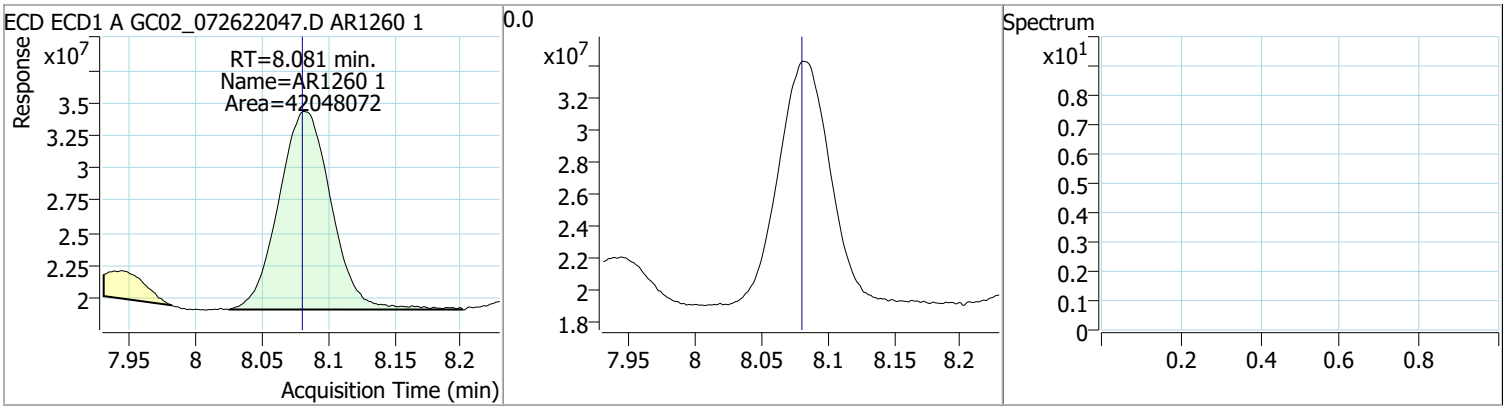
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	275.1207	6.57	0.00	2004218				



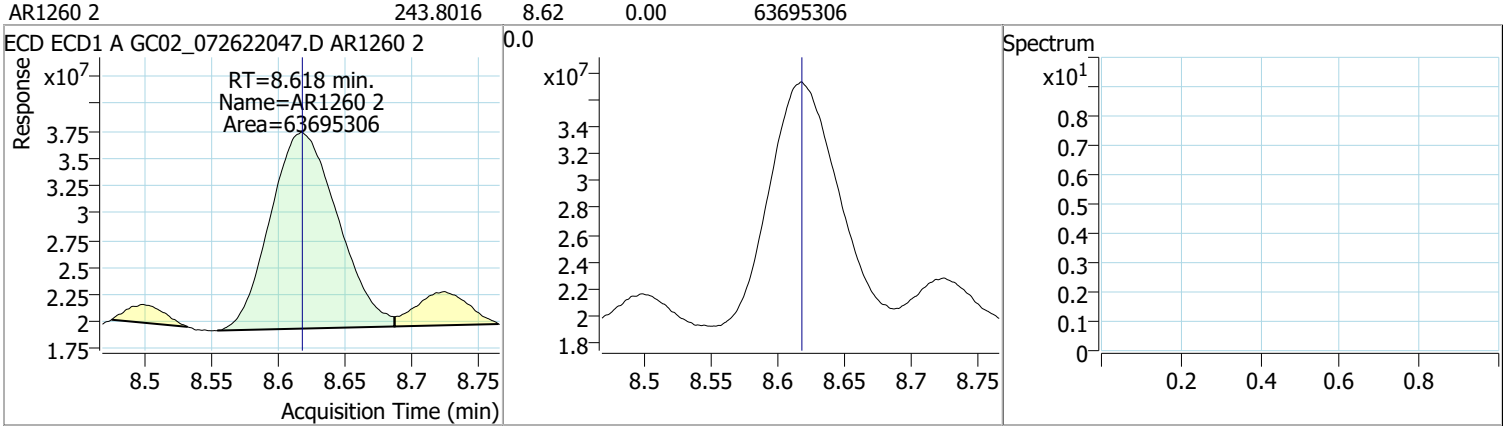
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	256.0851	7.39	0.00	1518526 (m)				



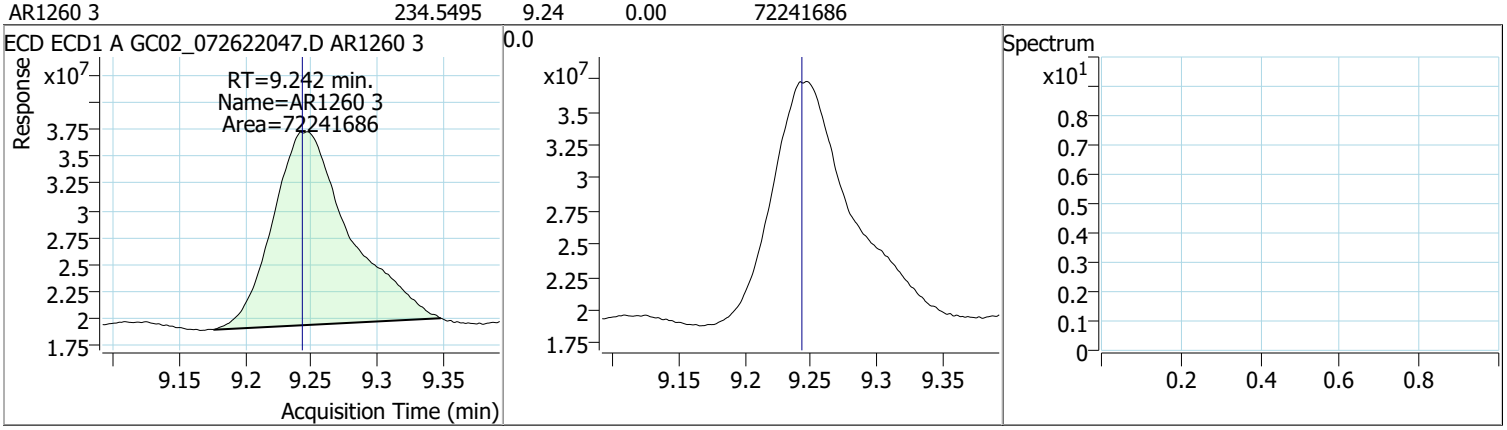
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	249.4632	8.08	0.00	42048072				



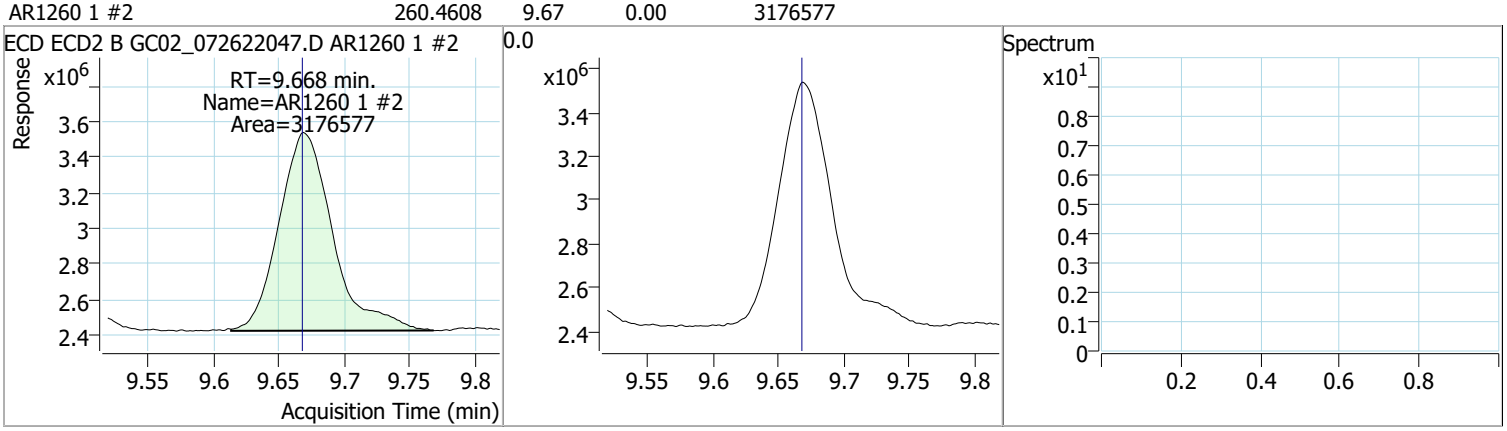
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	243.8016	8.62	0.00	63695306				



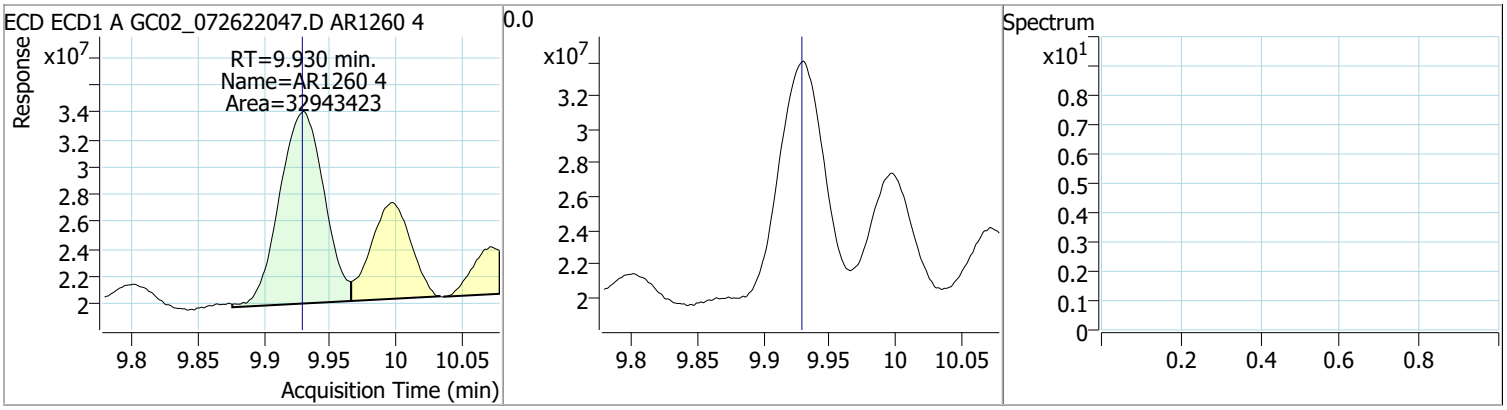
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	234.5495	9.24	0.00	72241686				



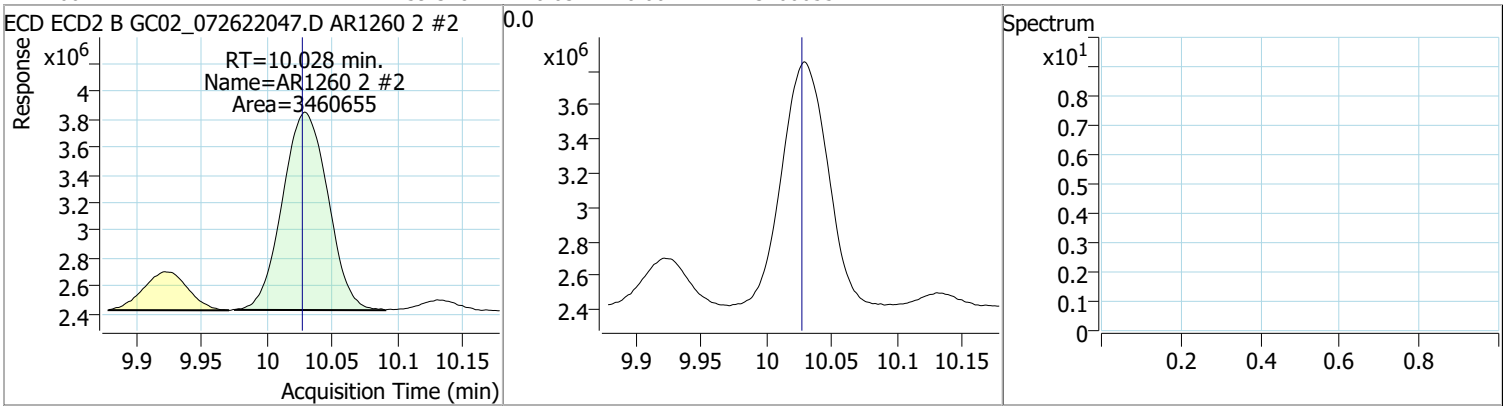
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	260.4608	9.67	0.00	3176577				



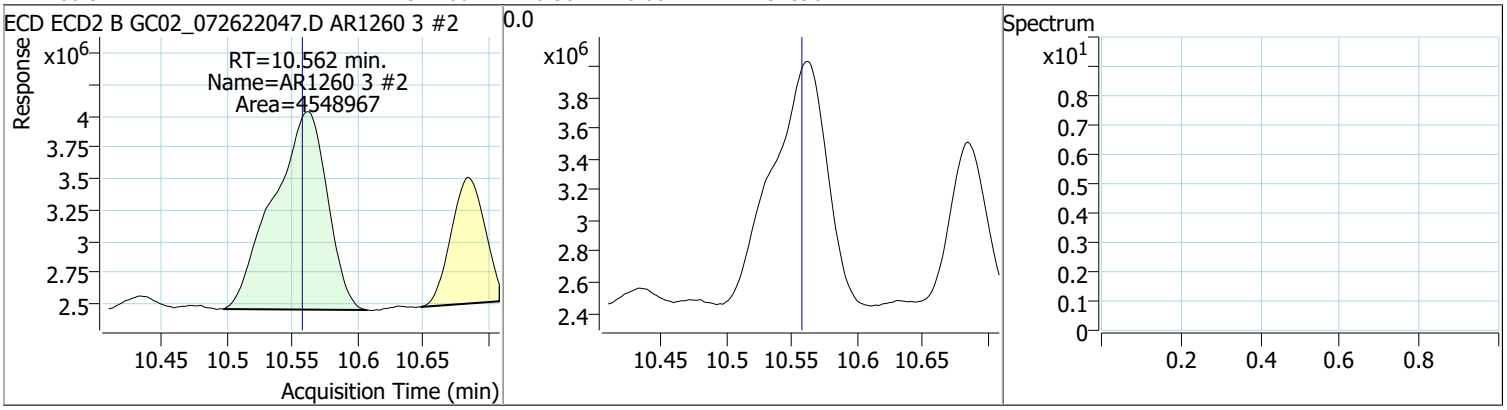
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	236.2926	9.93	0.00	32943423				



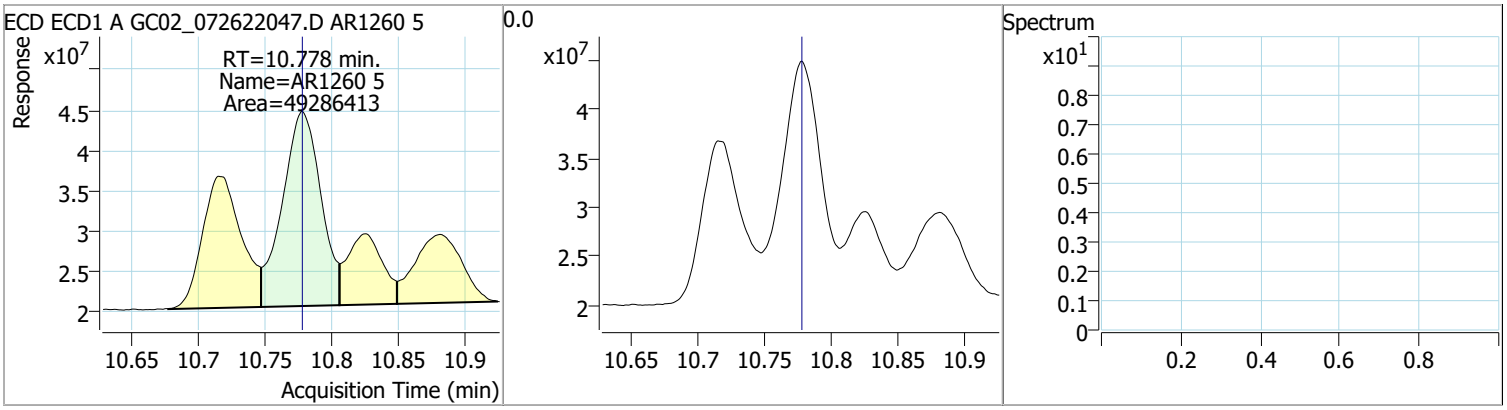
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	259.3181	10.03	0.00	3460655				



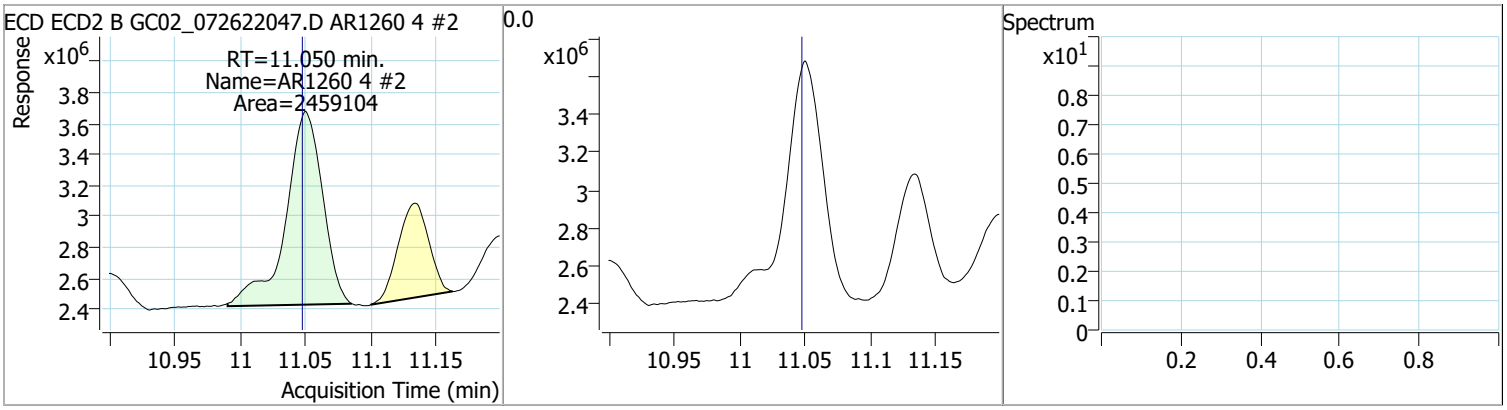
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	257.7604	10.56	0.00	4548967				



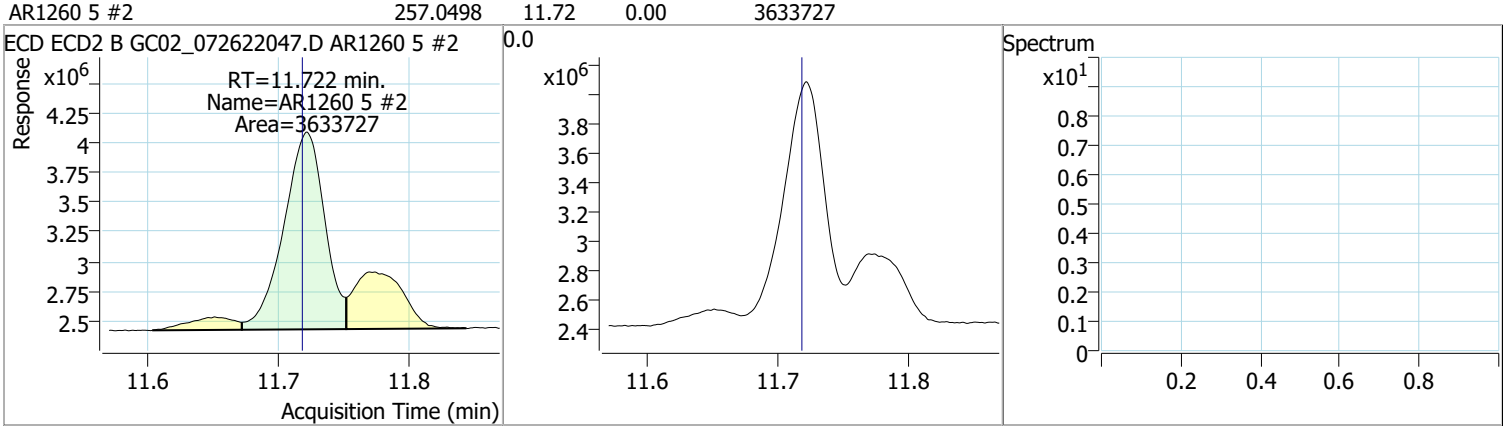
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	243.0617	10.78	0.00	49286413				



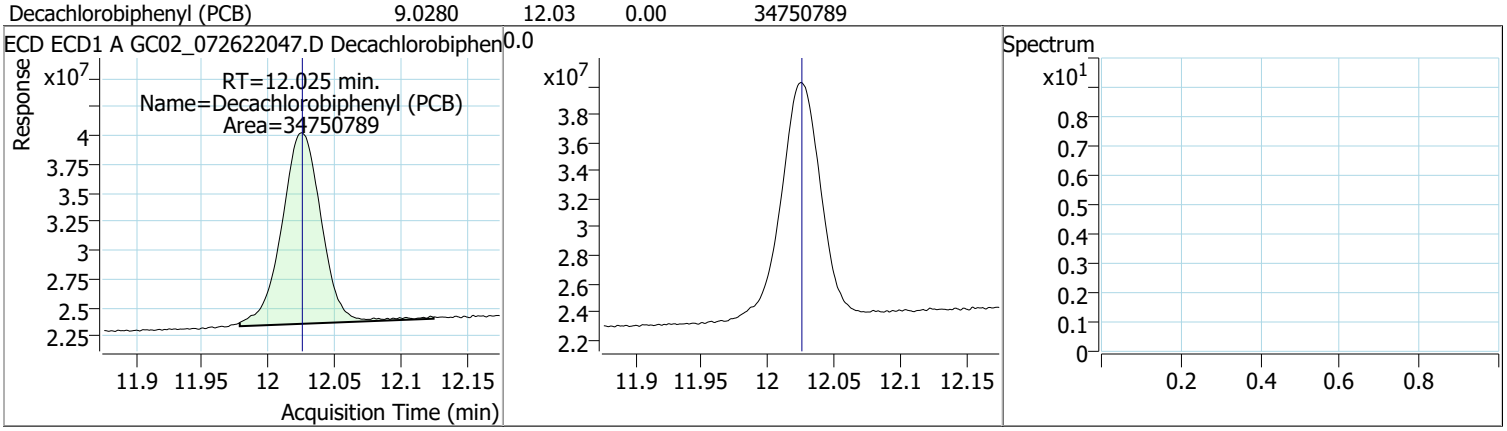
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	249.6539	11.05	0.00	2459104				



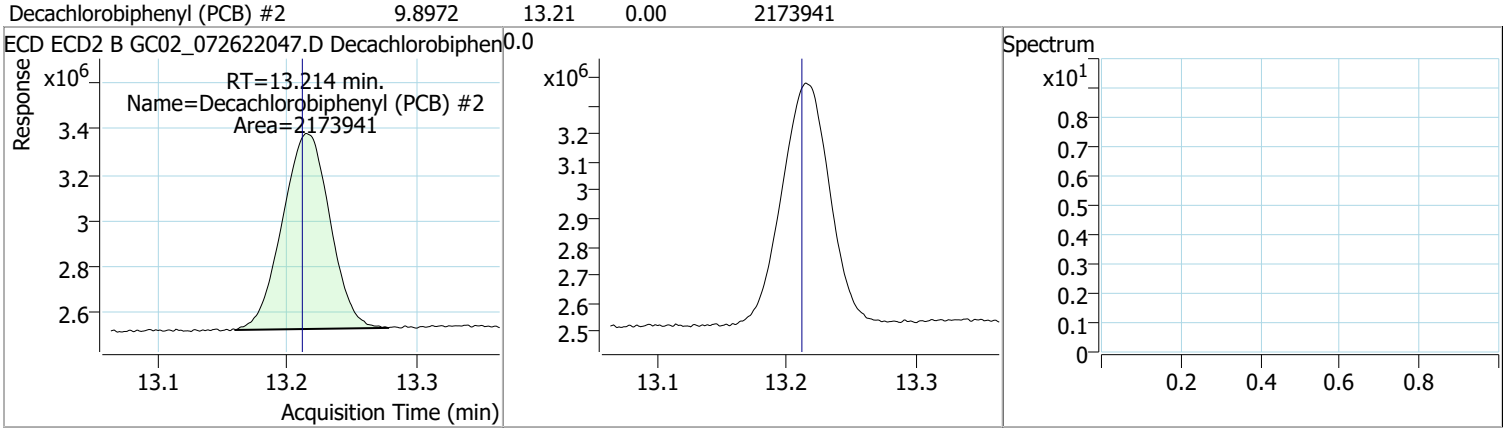
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	257.0498	11.72	0.00	3633727				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	9.0280	12.03	0.00	34750789				

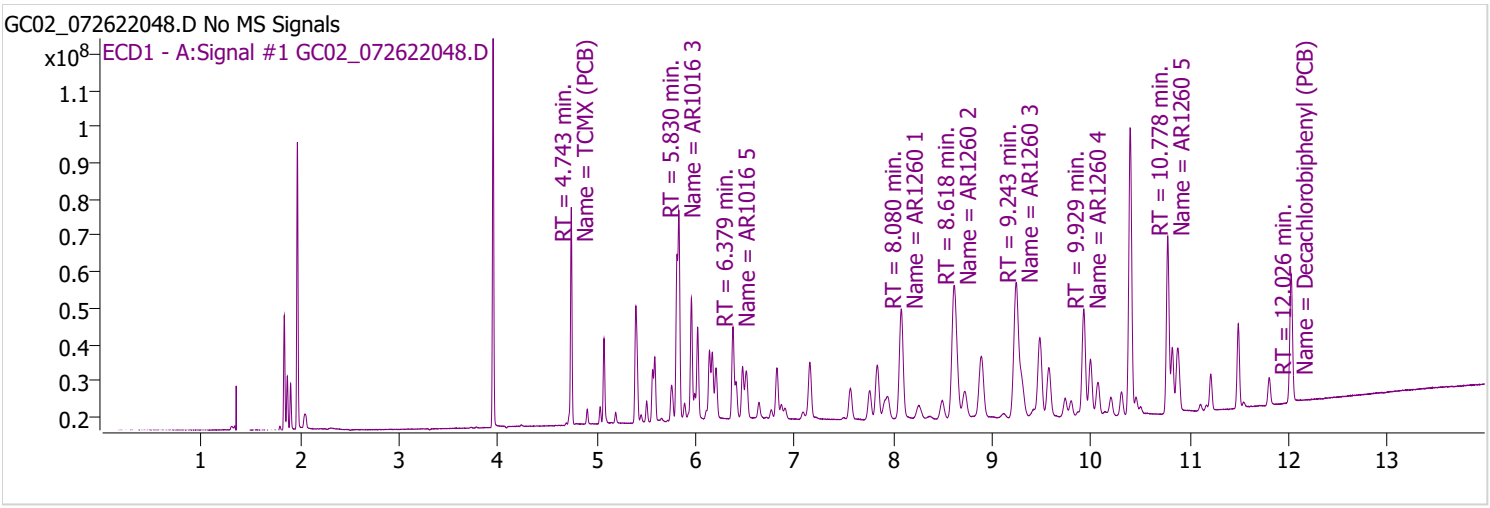


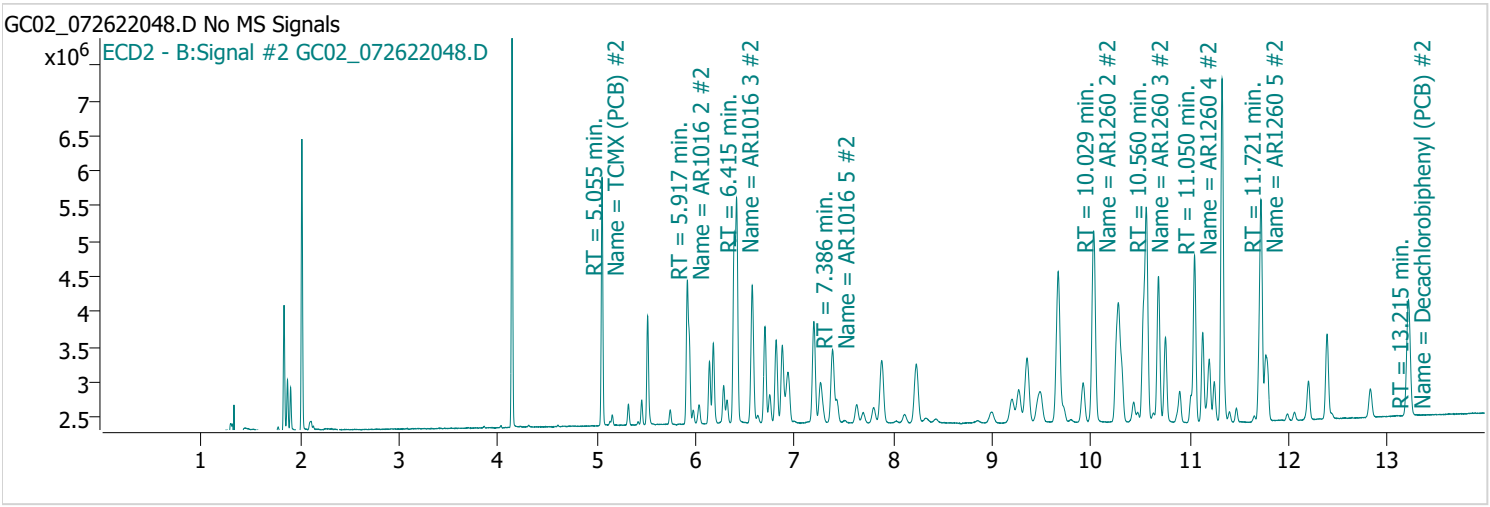
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	9.8972	13.21	0.00	2173941				



Quantitation Results Report (Not Reviewed)

Data File	GC02_072622048.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	7/27/2022 9:14:28 AM
Sample Name	ICAL, S17023, 4, S17010, 250	Instrument	SVOA-GC02
Vial	85	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_1.m	Comment	500PPB PCB ICAL 5
Tune File	ATUNE.U	Tune Date	
Batch Name	072622PCBICAL.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



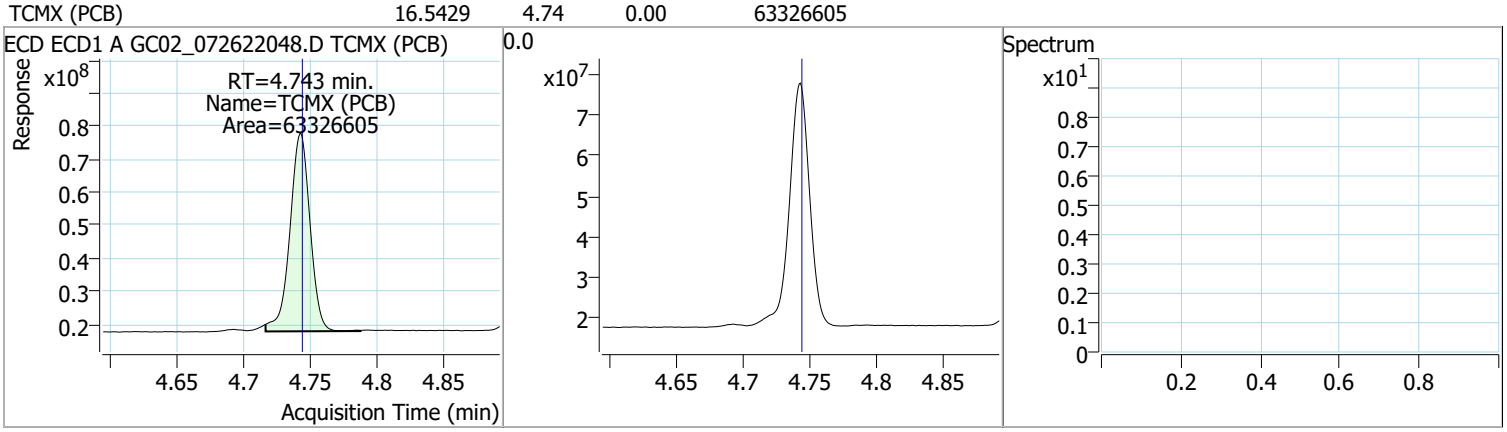


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.952	0.0	98182338.465	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.144	0.0	5146893.838	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.743	0.0	63326605.384	16.5429	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 82.71%		
S TCMX (PCB) #2	5.055	0.0	3920532.329	16.6707	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 83.35%		
S Decachlorobiphenyl (PCB)	12.026	0.0	69666682.883	15.1599	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 75.80%		
S Decachlorobiphenyl (PCB) #2	13.215	0.0	4275437.667	16.2614	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 81.31%		
Target Compounds						QValue

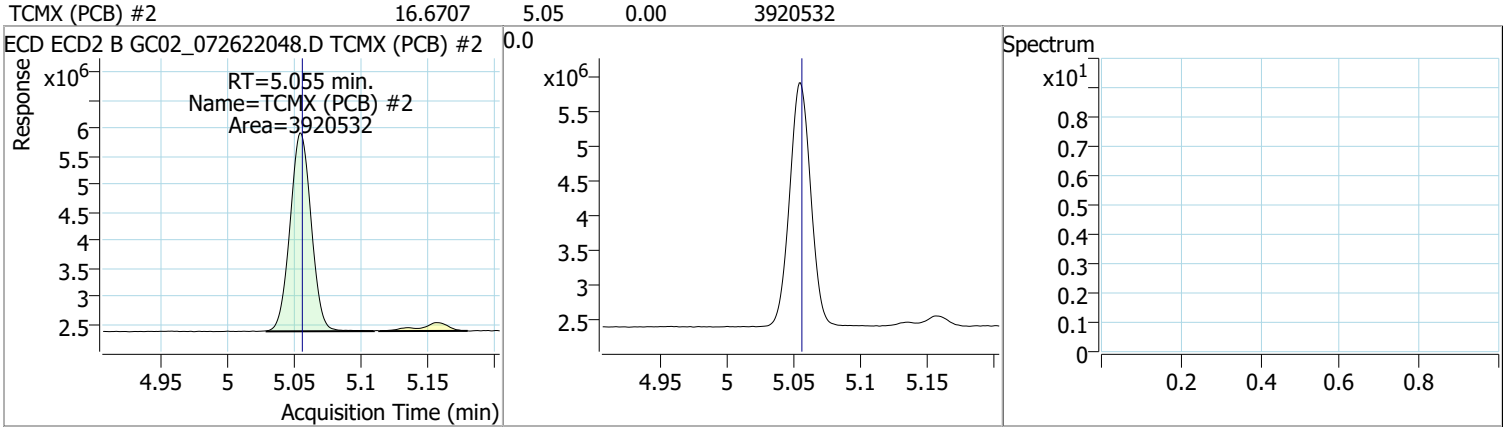
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.074	0.0	27773209.133	430.9278	ng/ml		100
T AR1016 2	5.396	0.0	53697460.162	431.5635	ng/ml		100
T AR1016 1 #2	5.515	0.0	2047124.406	422.1334	ng/ml		100
T AR1016 3	5.830	0.0	80025499.160	409.5154	ng/ml	m	100
T AR1016 2 #2	5.917	0.0	4230473.526	425.3715	ng/ml		100
T AR1016 4	5.958	0.0	46694354.279	408.4157	ng/ml		100
T AR1016 5	6.379	0.0	40877766.817	408.1377	ng/ml		100
T AR1016 3 #2	6.415	0.0	5169813.591	419.5483	ng/ml	m	100
T AR1016 4 #2	6.574	0.0	3764887.545	431.7631	ng/ml		100
T AR1016 5 #2	7.386	0.0	3010214.145	424.1062	ng/ml		100
T AR1260 1	8.080	0.0	82953935.714	412.2322	ng/ml		100
T AR1260 2	8.618	0.0	128107620.263	410.7227	ng/ml		100
T AR1260 3	9.243	0.0	152356142.822	414.3345	ng/ml		100
T AR1260 1 #2	9.670	0.0	6057800.774	414.9666	ng/ml		100
T AR1260 4	9.929	0.0	67175503.609	403.5868	ng/ml		100
T AR1260 2 #2	10.029	0.0	6607402.077	413.6381	ng/ml		100
T AR1260 3 #2	10.560	0.0	8713648.000	412.4950	ng/ml		100
T AR1260 5	10.778	0.0	93558249.825	386.4702	ng/ml		100
T AR1260 4 #2	11.050	0.0	4945882.908	419.4889	ng/ml		100
T AR1260 5 #2	11.721	0.0	6846559.518	404.6250	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

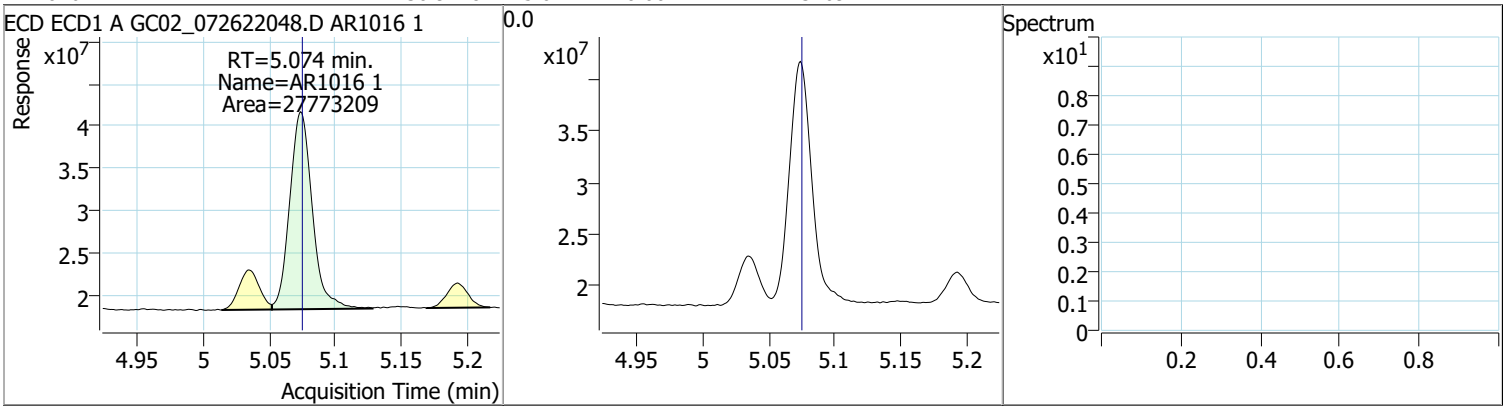
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	16.5429	4.74	0.00	63326605				



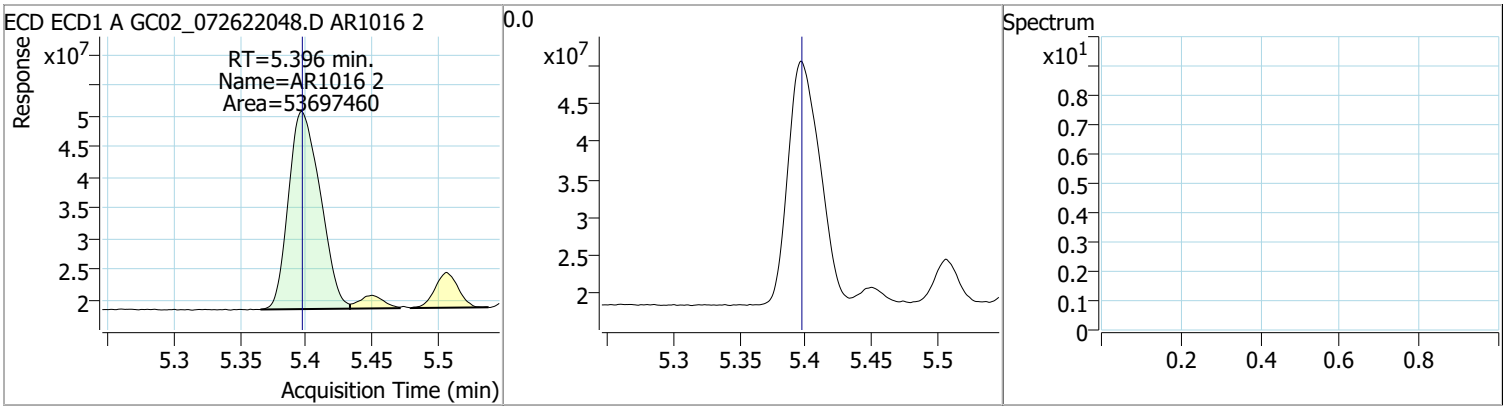
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	16.6707	5.05	0.00	3920532				



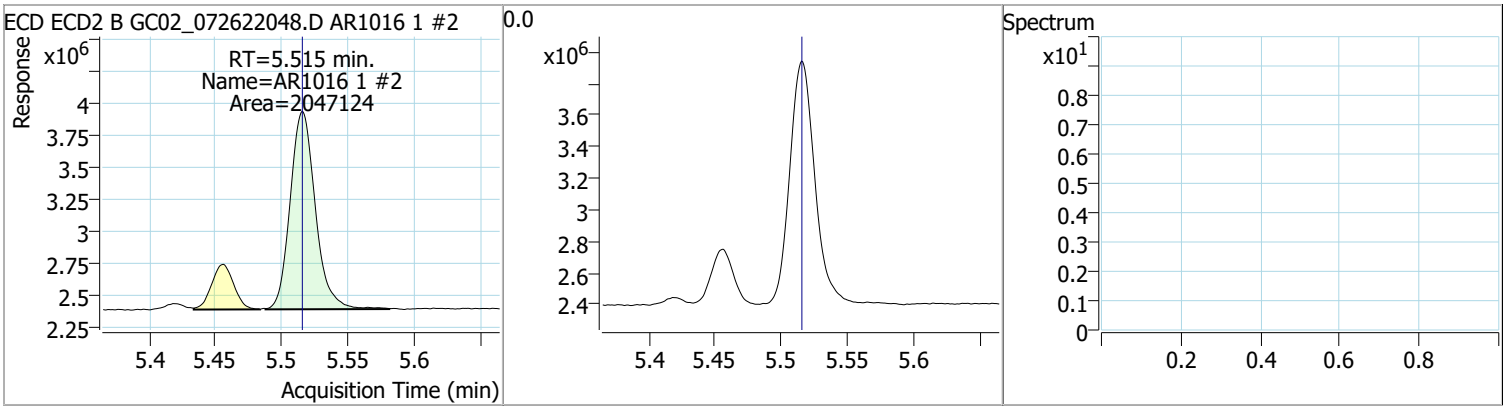
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	430.9278	5.07	0.00	27773209				



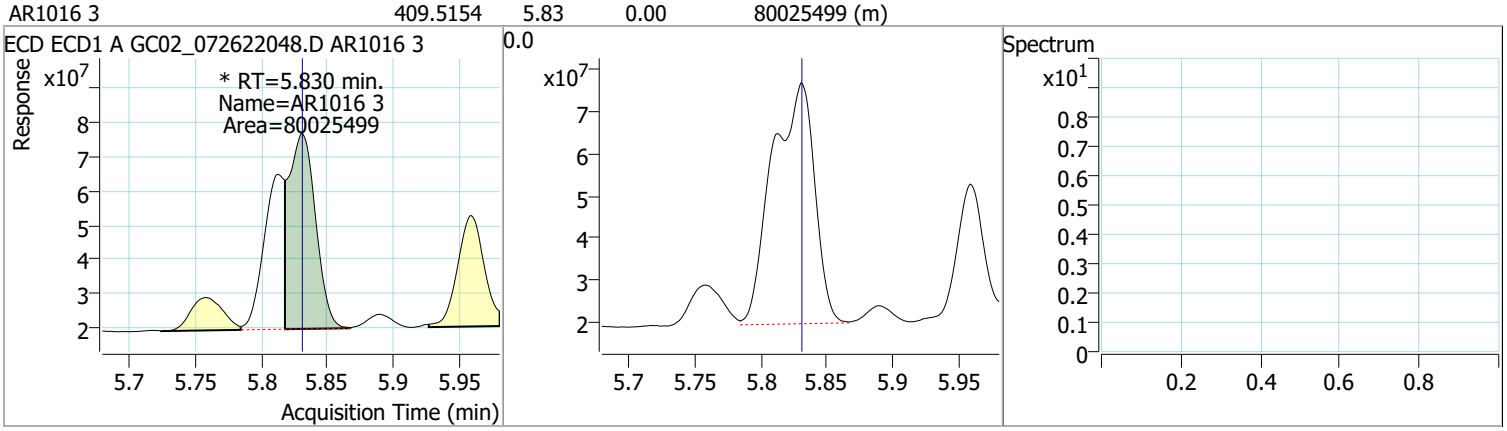
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	431.5635	5.40	0.00	53697460				



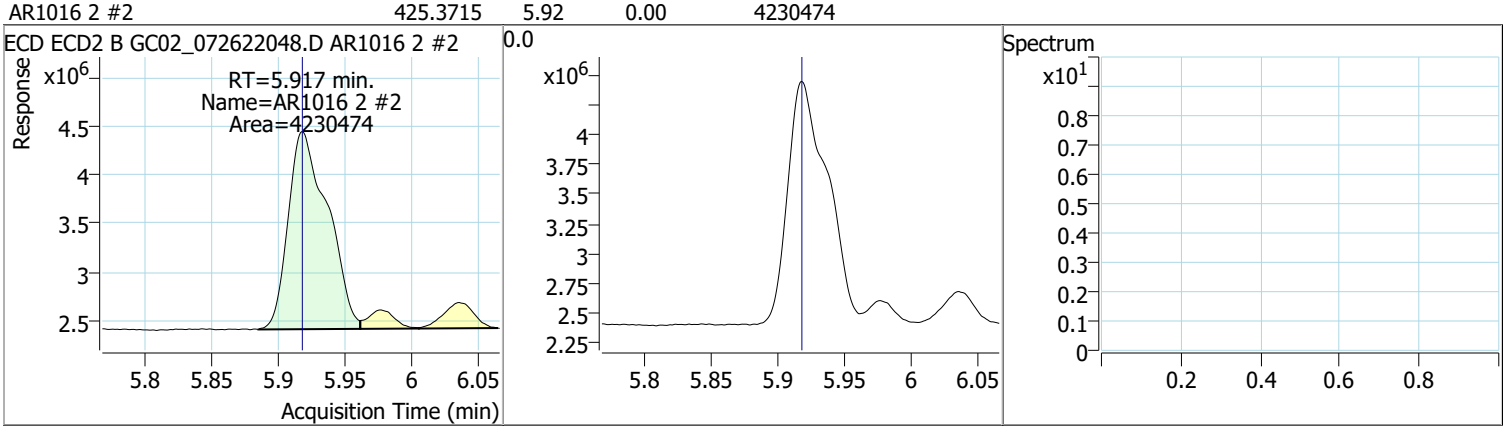
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	422.1334	5.52	0.00	2047124				



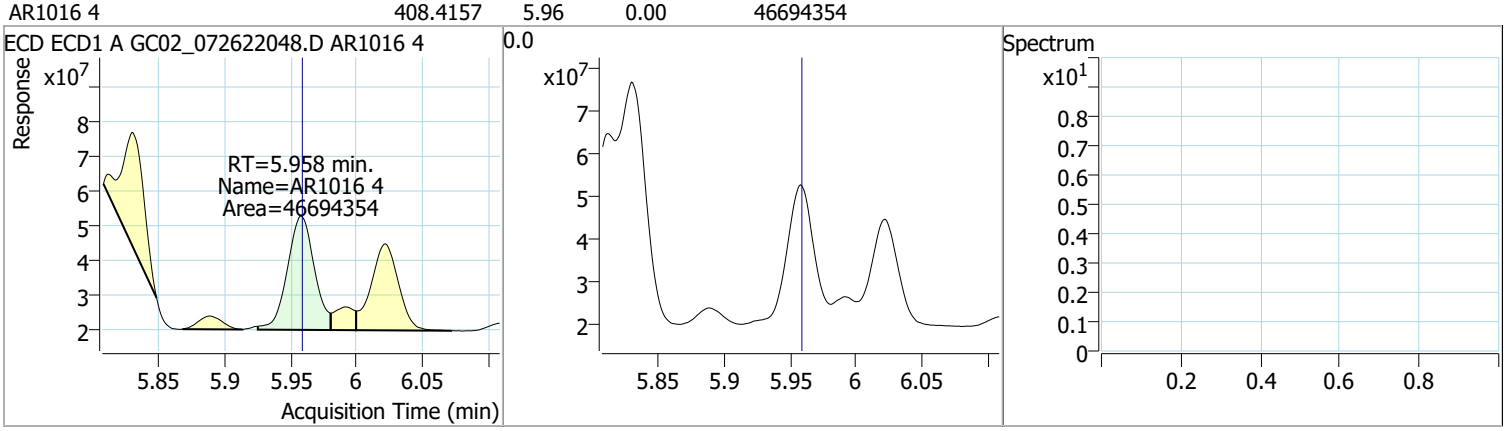
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	409.5154	5.83	0.00	80025499 (m)				



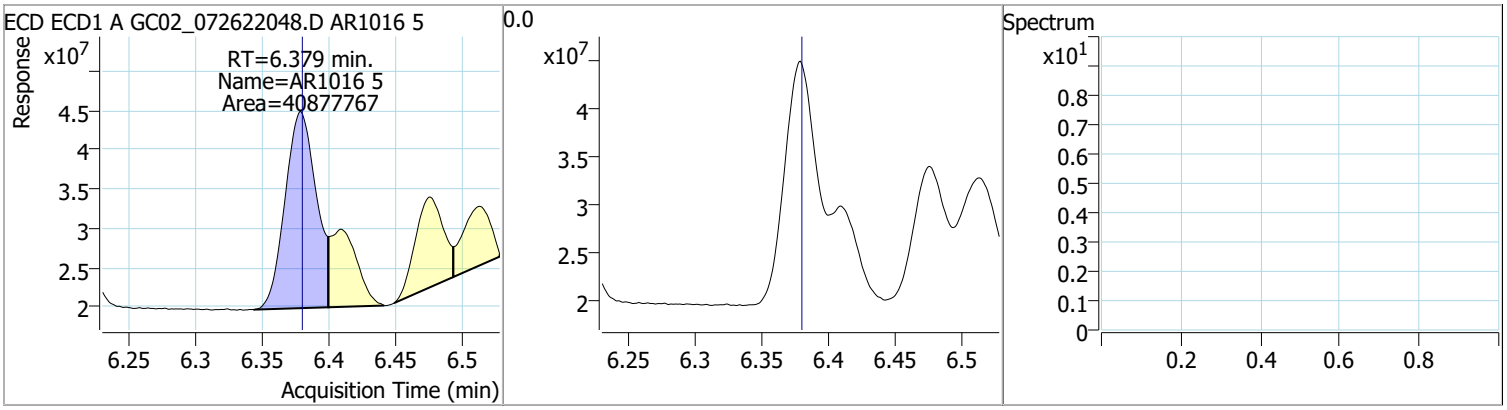
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	425.3715	5.92	0.00	4230474				



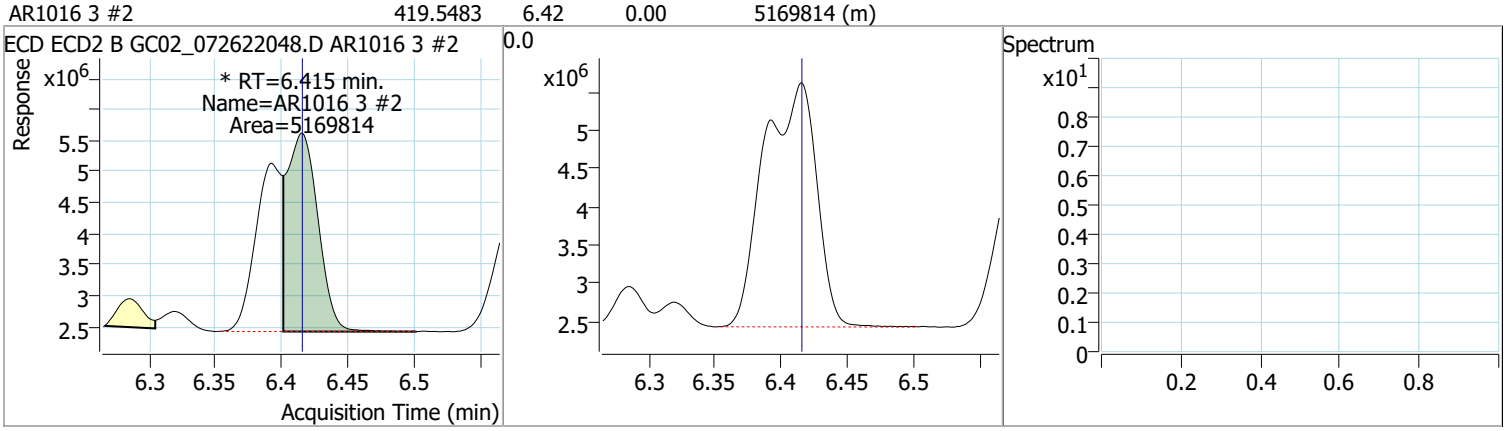
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	408.4157	5.96	0.00	46694354				



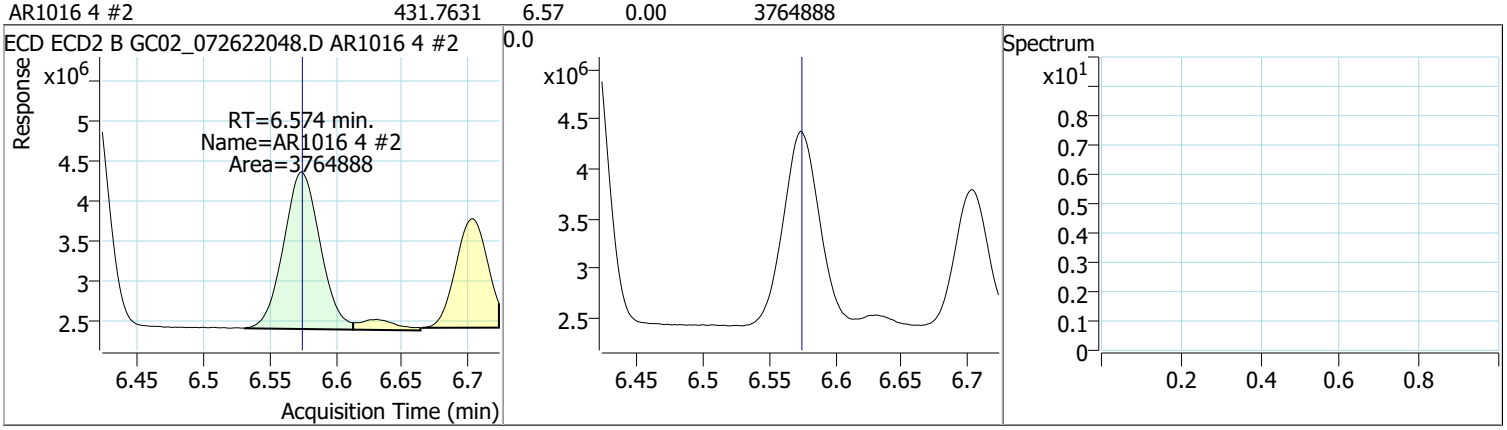
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	408.1377	6.38	0.00	40877767				



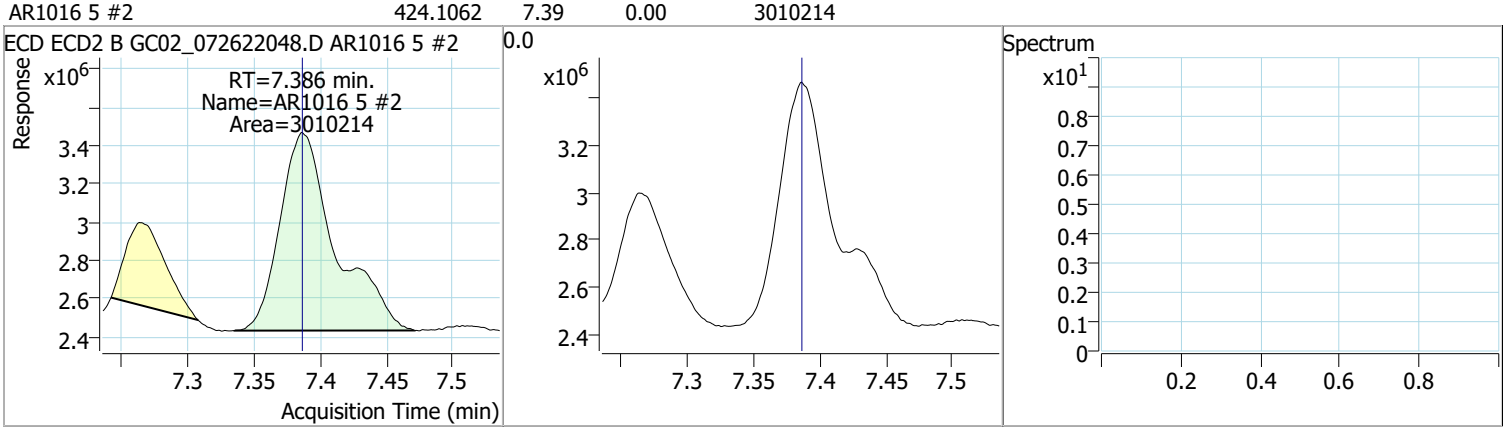
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	419.5483	6.42	0.00	5169814 (m)				



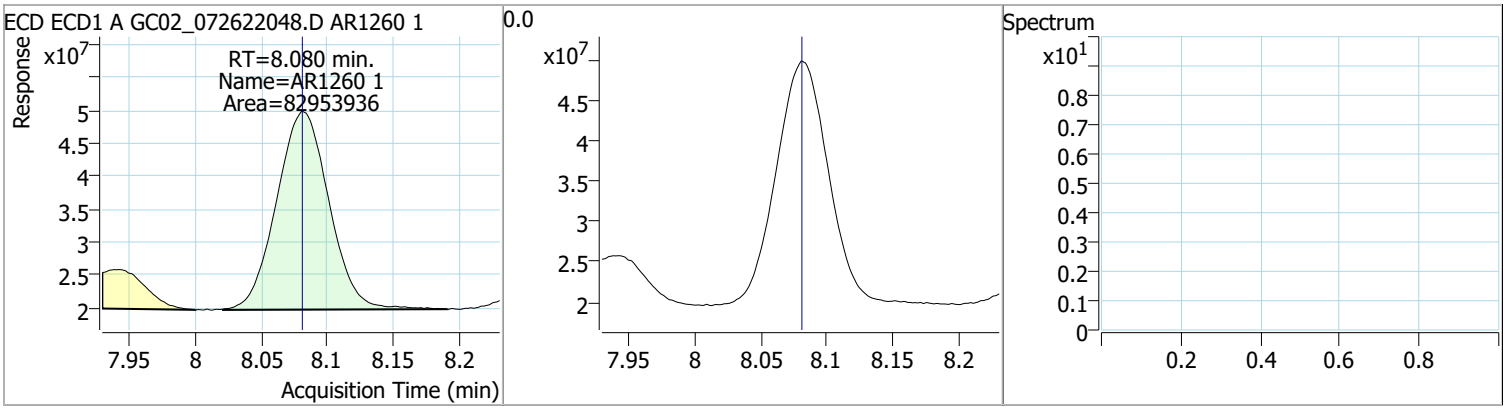
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	431.7631	6.57	0.00	3764888				



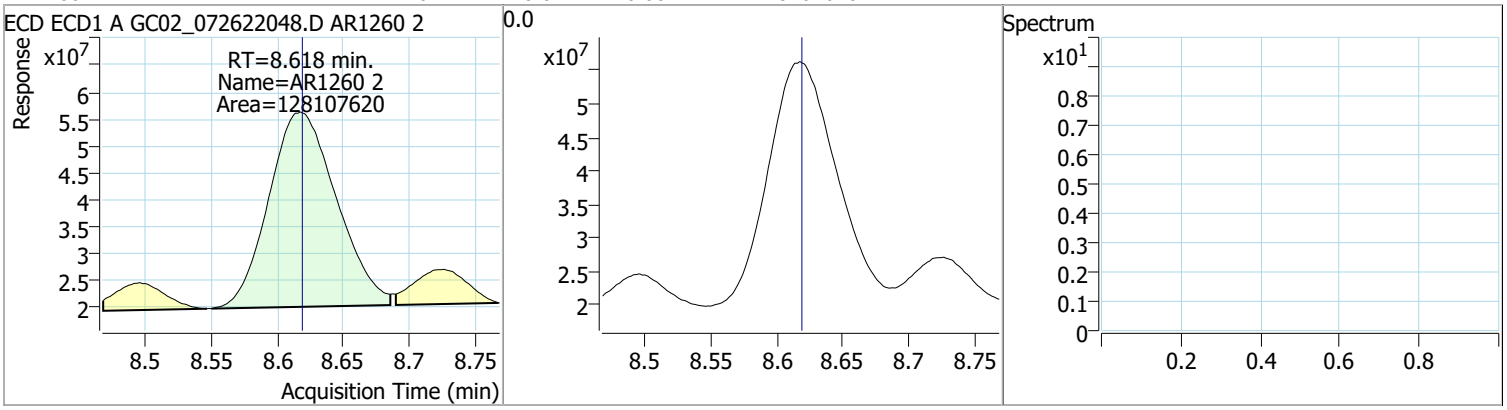
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	424.1062	7.39	0.00	3010214				



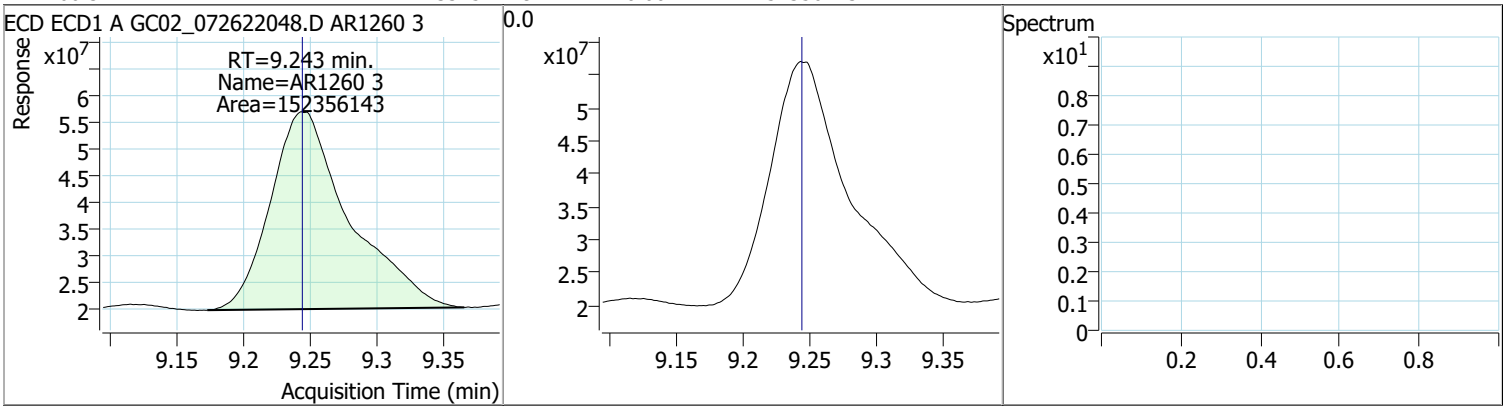
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	412.2322	8.08	0.00	82953936				



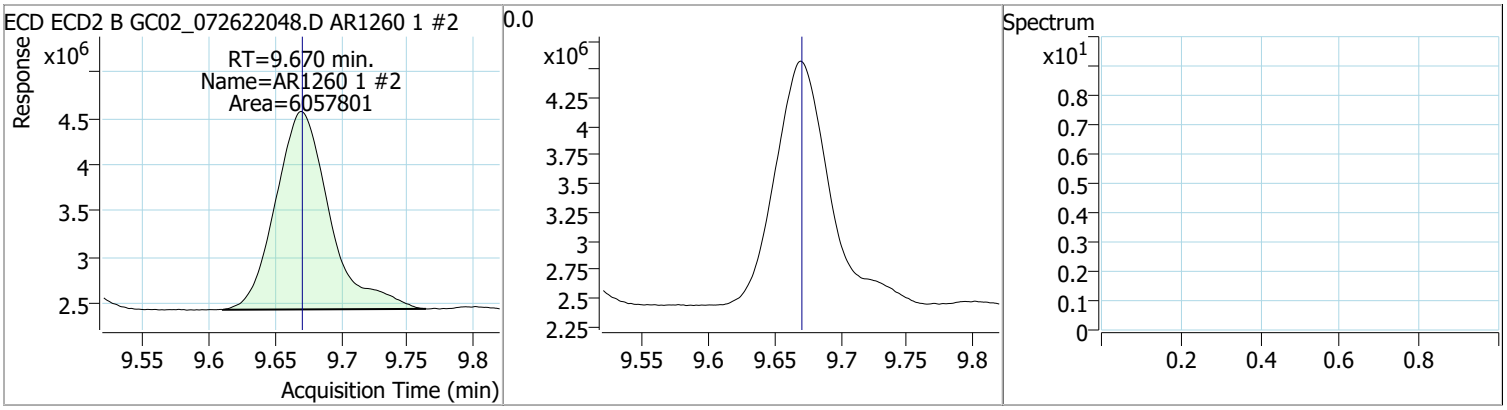
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	410.7227	8.62	0.00	128107620				



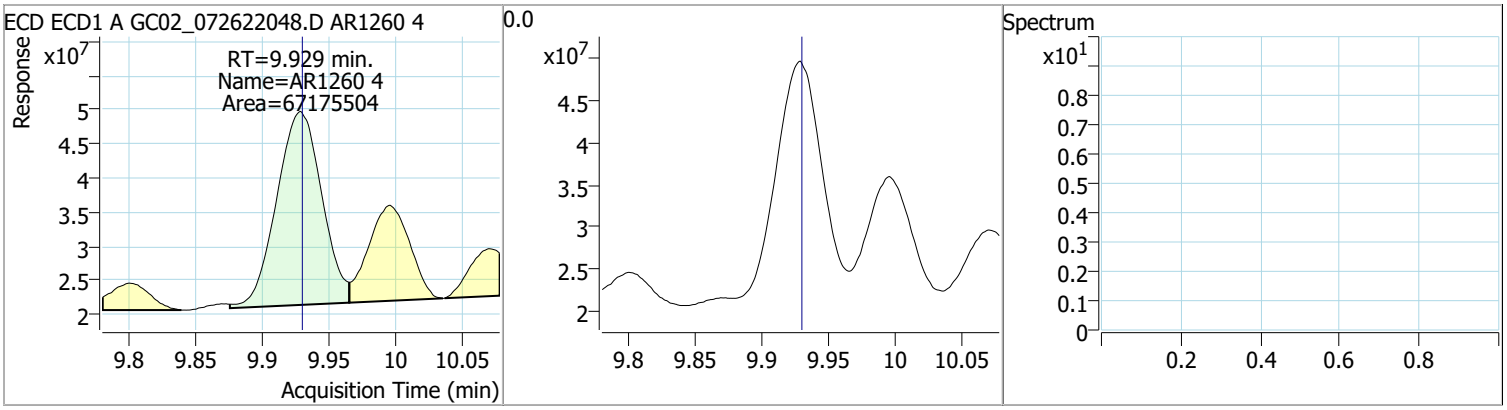
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	414.3345	9.24	0.00	152356143				



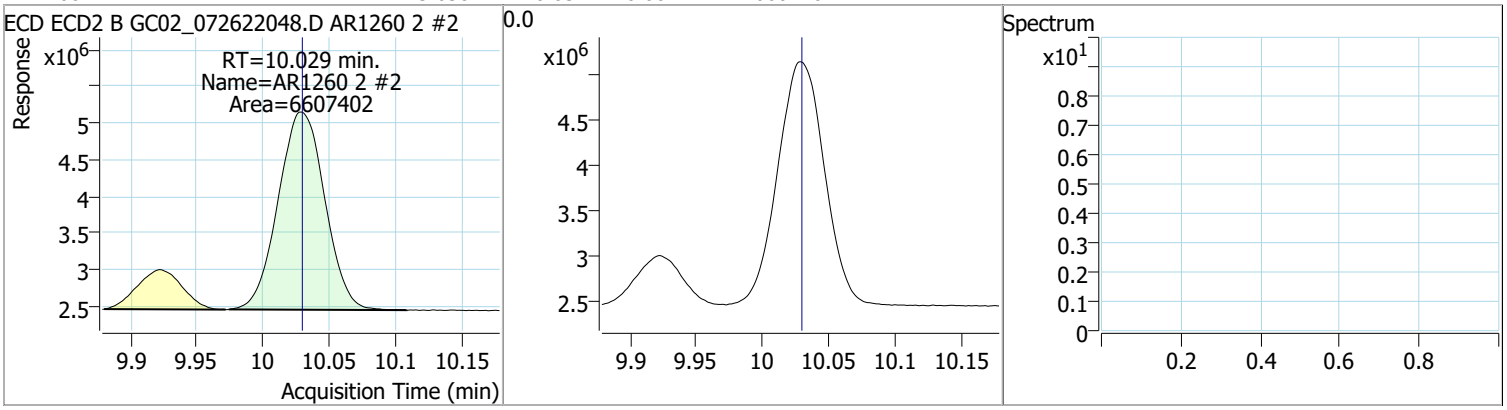
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	414.9666	9.67	0.00	6057801				



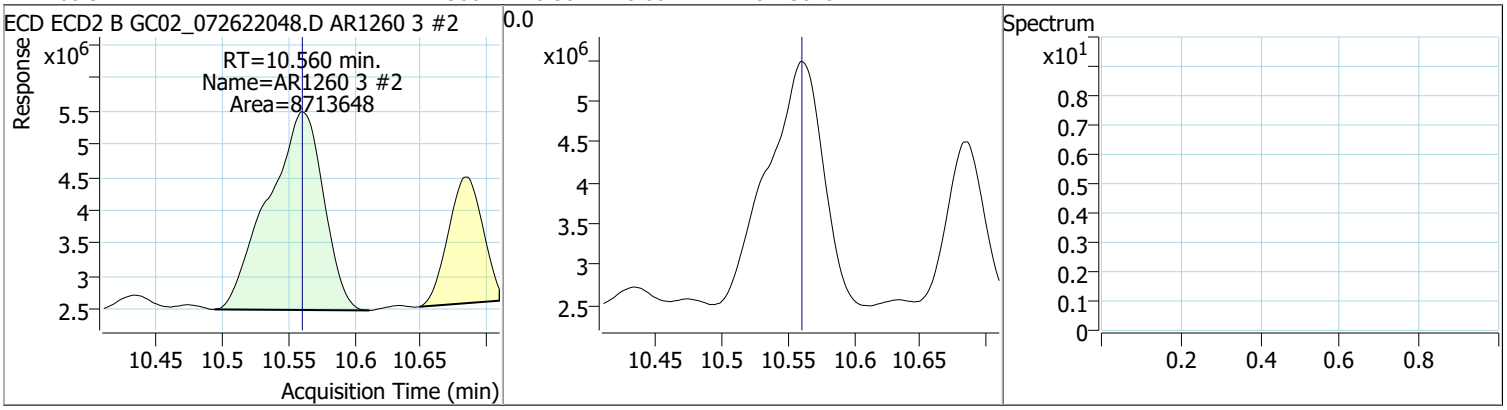
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	403.5868	9.93	0.00	67175504				



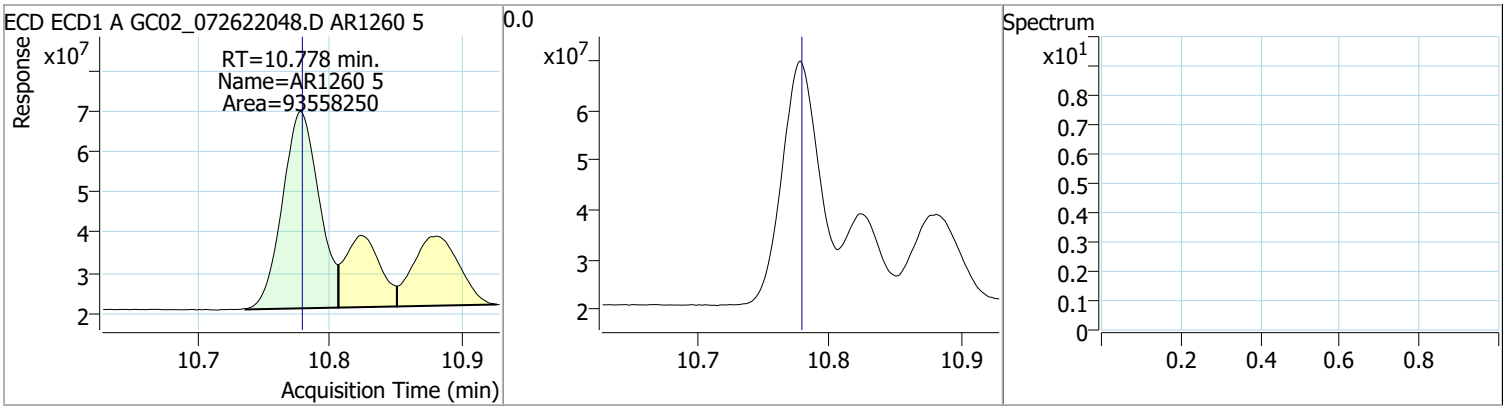
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	413.6381	10.03	0.00	6607402				



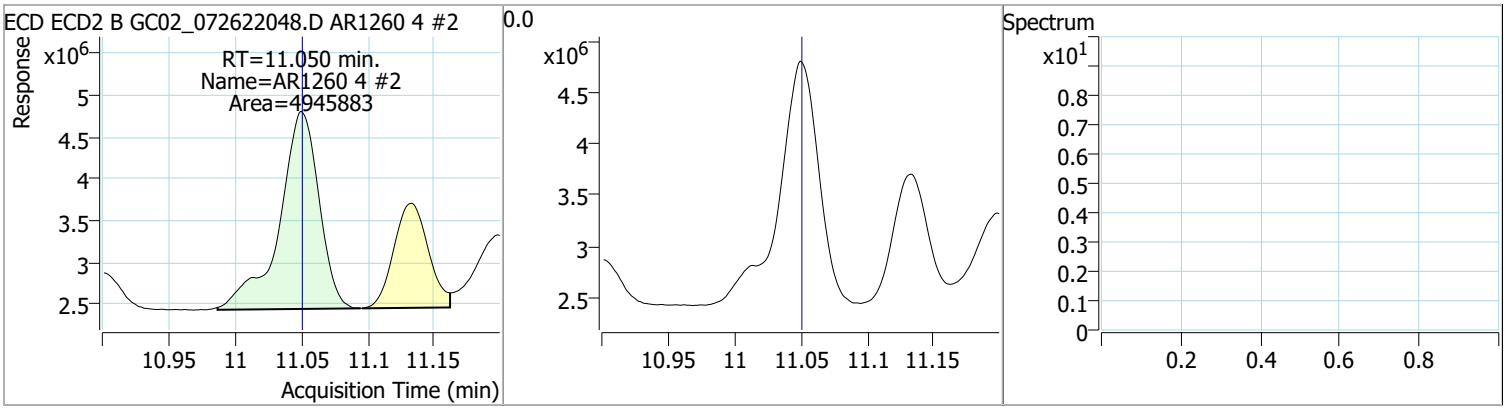
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	412.4950	10.56	0.00	8713648				



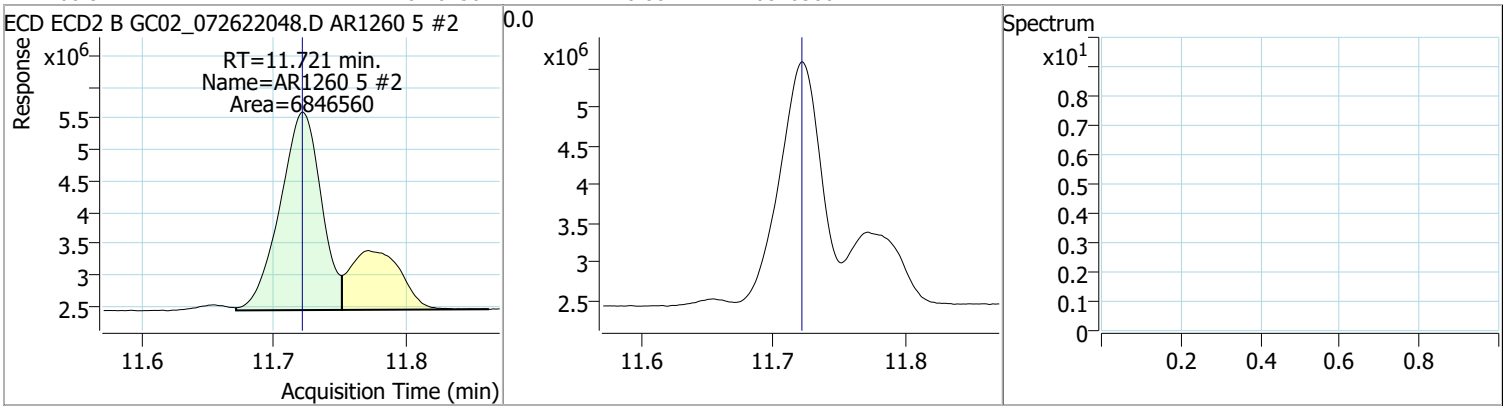
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	386.4702	10.78	0.00	93558250				



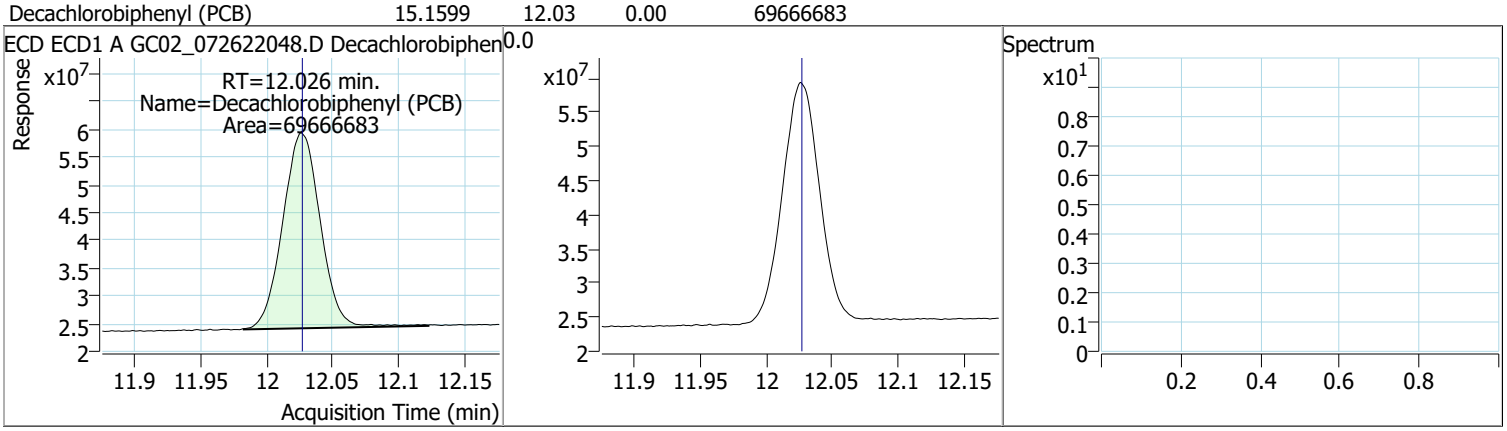
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	419.4889	11.05	0.00	4945883				



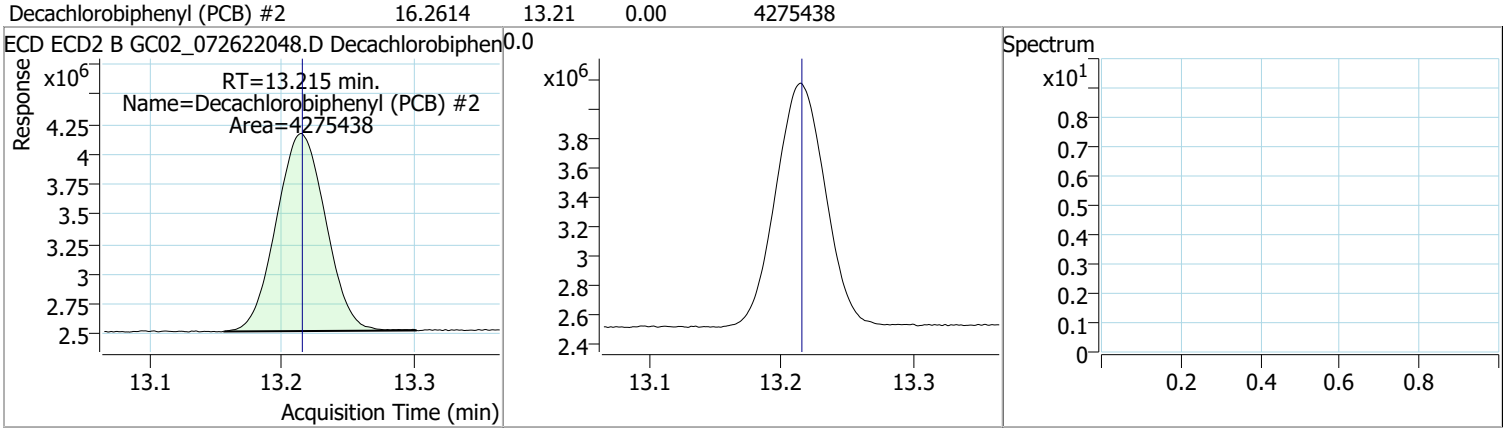
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	404.6250	11.72	0.00	6846560				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	15.1599	12.03	0.00	69666683				

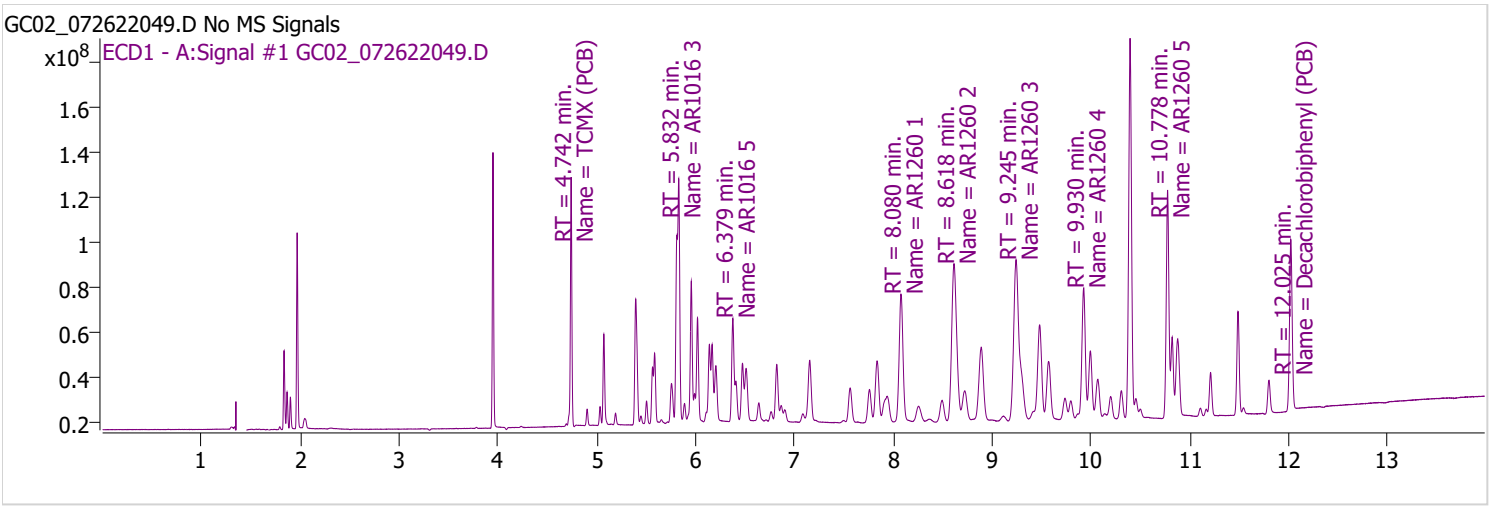


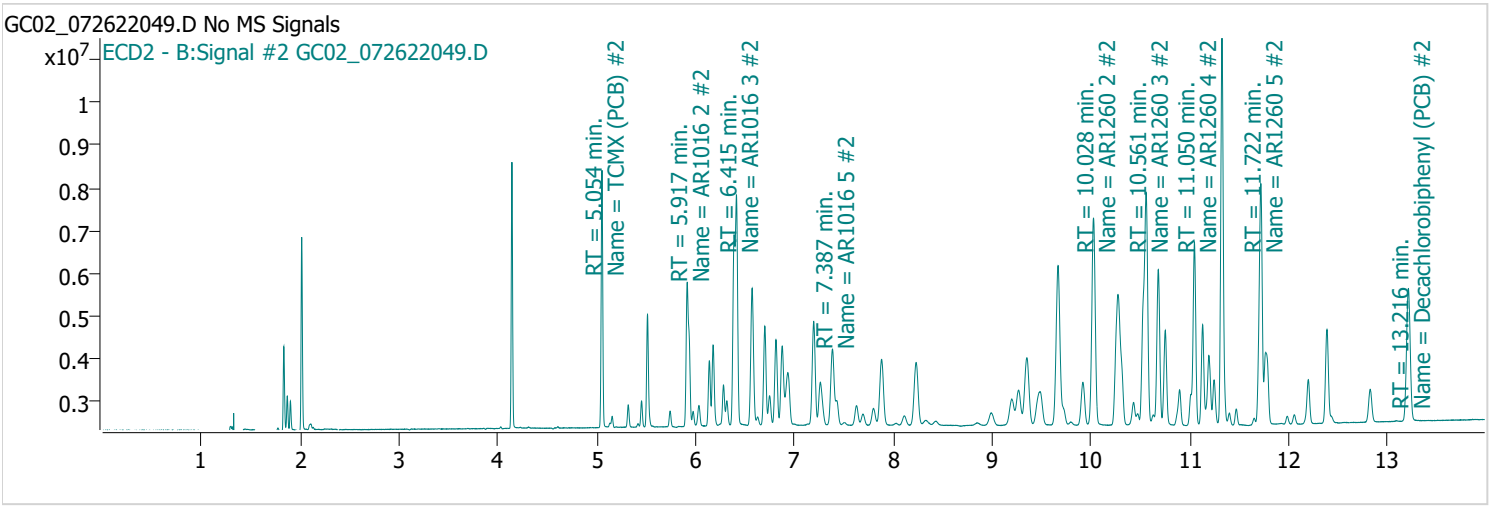
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	16.2614	13.21	0.00	4275438				



Quantitation Results Report (Not Reviewed)

Data File	GC02_072622049.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	7/27/2022 9:32:18 AM
Sample Name	ICAL, S17023, 2.667, S17010, 250	Instrument	SVOA-GC02
Vial	86	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_1.m	Comment	750PPB PCB ICAL 6
Tune File	ATUNE.U	Tune Date	
Batch Name	072622PCBICAL.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



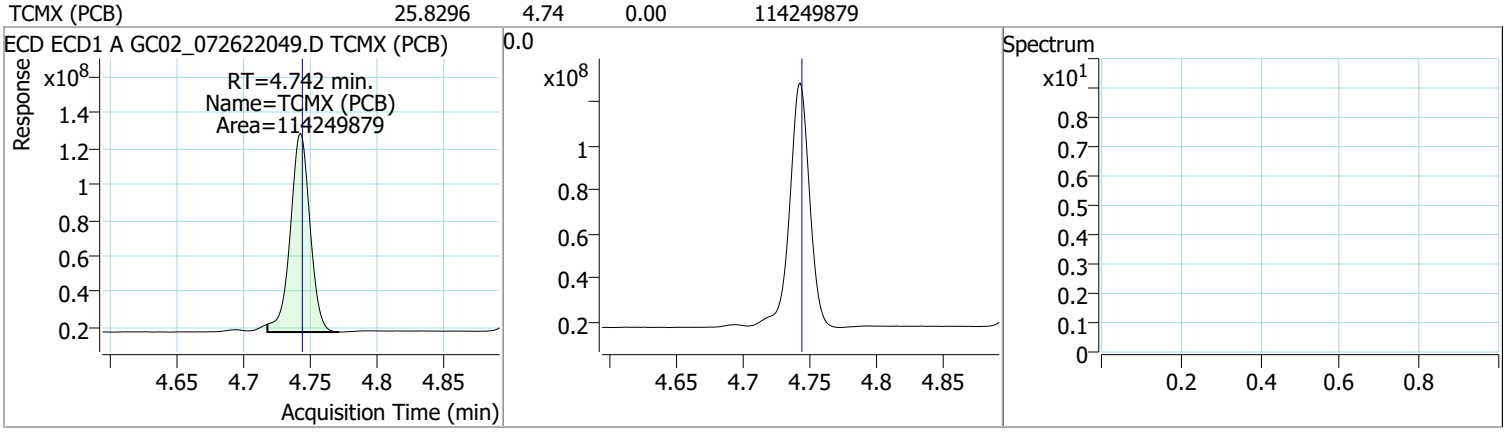


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.952	0.0	113448205.980	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.143	0.0	5837512.442	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.742	0.0	114249879.127	25.8296	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 129.15%		
S TCMX (PCB) #2	5.054	0.0	6752019.916	25.3139	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 126.57%		
S Decachlorobiphenyl (PCB)	12.025	0.0	142639620.786	26.8626	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 134.31%		
S Decachlorobiphenyl (PCB) #2	13.216	0.0	8225988.508	27.5857	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 137.93%		
Target Compounds						QValue

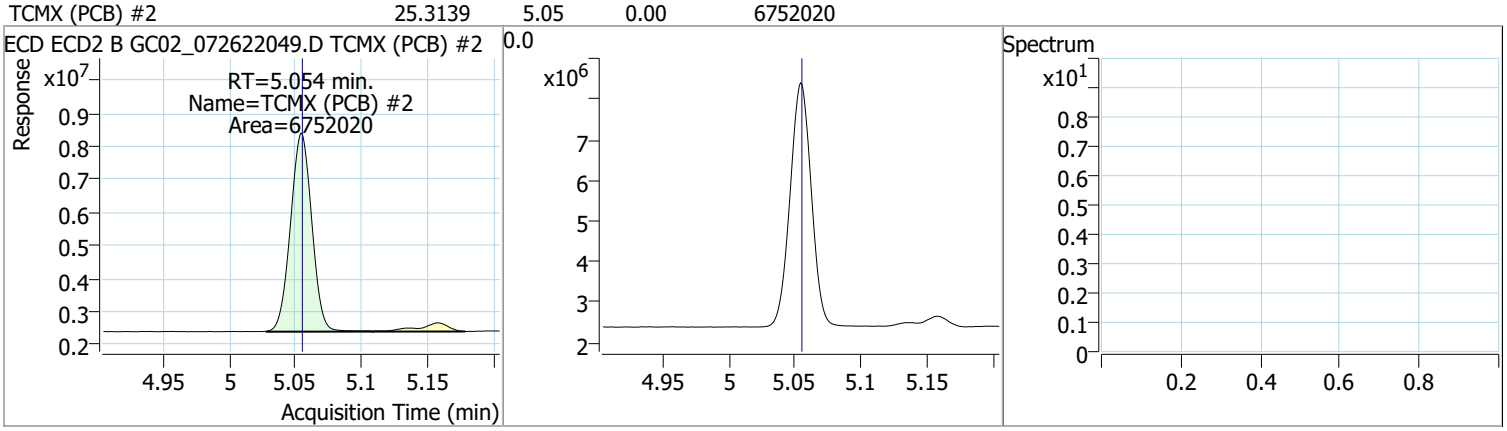
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.073	0.0	48070797.813	645.4989	ng/ml		100
T AR1016 2	5.396	0.0	92280357.212	641.8536	ng/ml		100
T AR1016 1 #2	5.515	0.0	3476926.745	632.1476	ng/ml		100
T AR1016 3	5.832	0.0	152532188.703	675.5213	ng/ml	m	100
T AR1016 2 #2	5.917	0.0	7189122.378	637.3422	ng/ml		100
T AR1016 4	5.958	0.0	85800362.584	649.4757	ng/ml		100
T AR1016 5	6.379	0.0	74760402.622	645.9917	ng/ml		100
T AR1016 3 #2	6.415	0.0	8747409.503	625.8985	ng/ml	m	100
T AR1016 4 #2	6.574	0.0	6269453.600	633.9290	ng/ml		100
T AR1016 5 #2	7.387	0.0	5297530.744	658.0640	ng/ml		100
T AR1260 1	8.080	0.0	150580743.504	647.6049	ng/ml		100
T AR1260 2	8.618	0.0	241573211.676	670.2830	ng/ml		100
T AR1260 3	9.245	0.0	292494411.804	688.4057	ng/ml		100
T AR1260 1 #2	9.670	0.0	10802970.681	652.4673	ng/ml		100
T AR1260 4	9.930	0.0	131247690.123	682.4227	ng/ml		100
T AR1260 2 #2	10.028	0.0	11668951.330	644.0788	ng/ml		100
T AR1260 3 #2	10.561	0.0	15663112.000	653.7536	ng/ml		100
T AR1260 5	10.778	0.0	188088492.962	672.4065	ng/ml		100
T AR1260 4 #2	11.050	0.0	8959870.139	670.0323	ng/ml		100
T AR1260 5 #2	11.722	0.0	12497245.544	651.1964	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

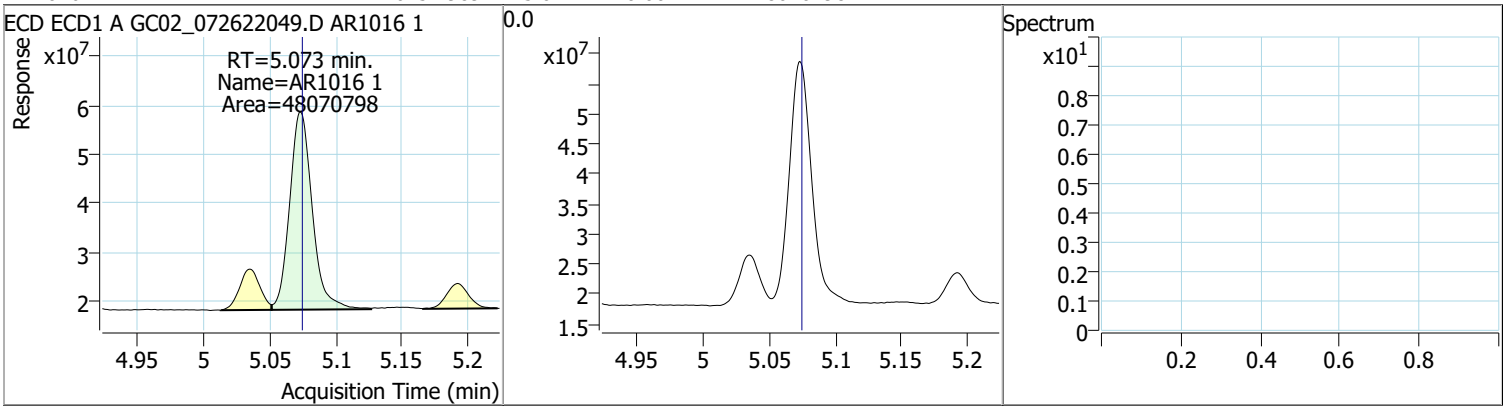
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	25.8296	4.74	0.00	114249879				



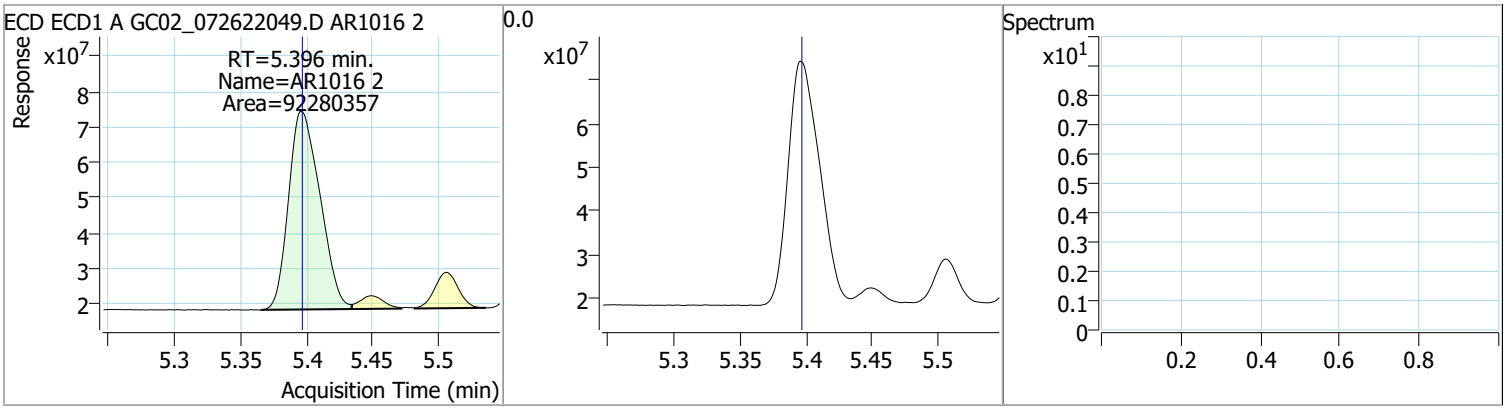
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	25.3139	5.05	0.00	6752020				



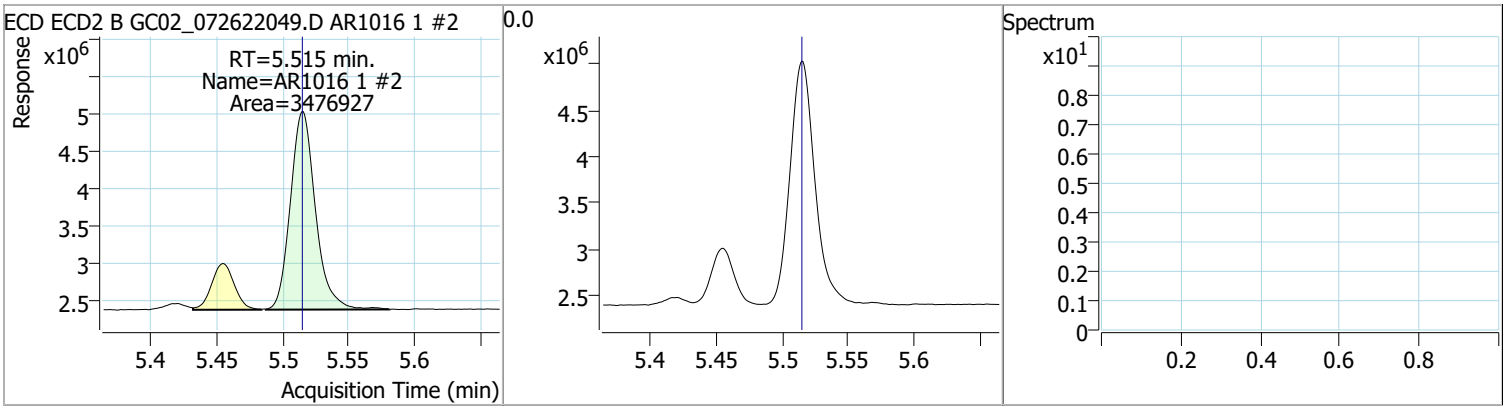
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	645.4989	5.07	0.00	48070798				



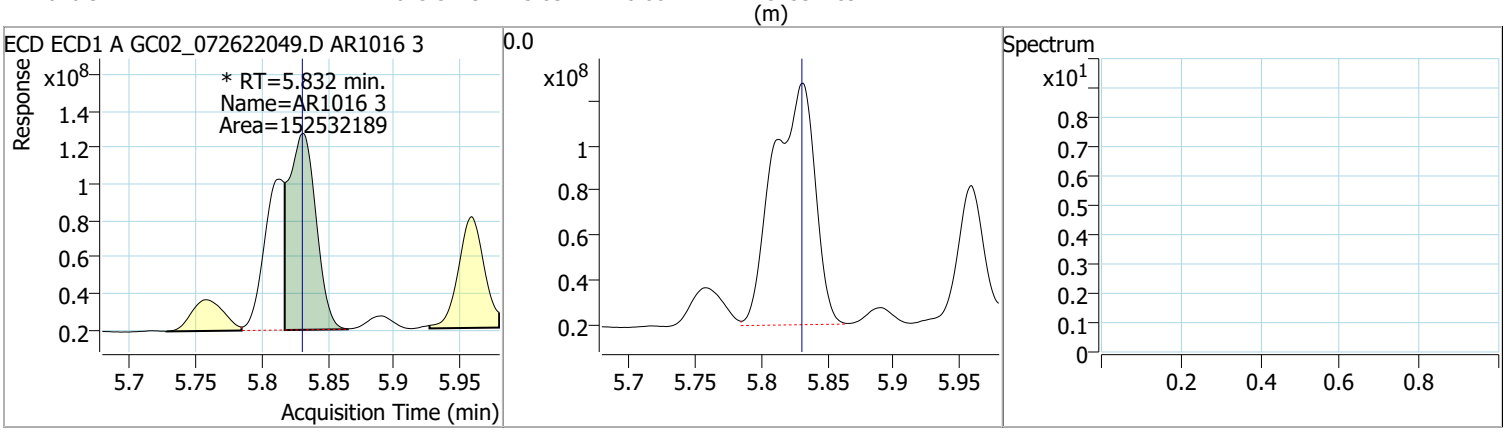
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	641.8536	5.40	0.00	92280357				



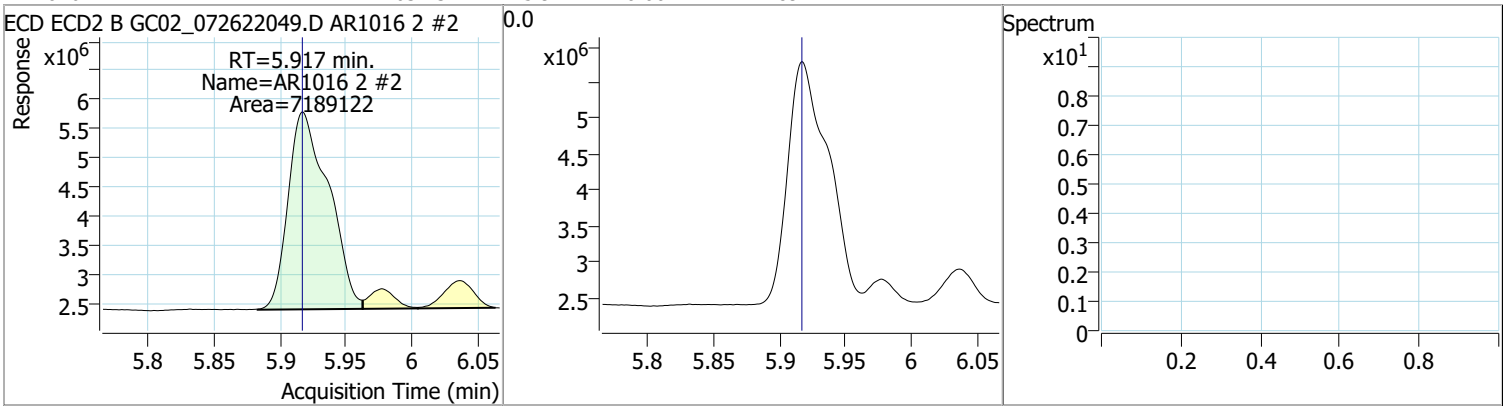
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	632.1476	5.51	0.00	3476927				



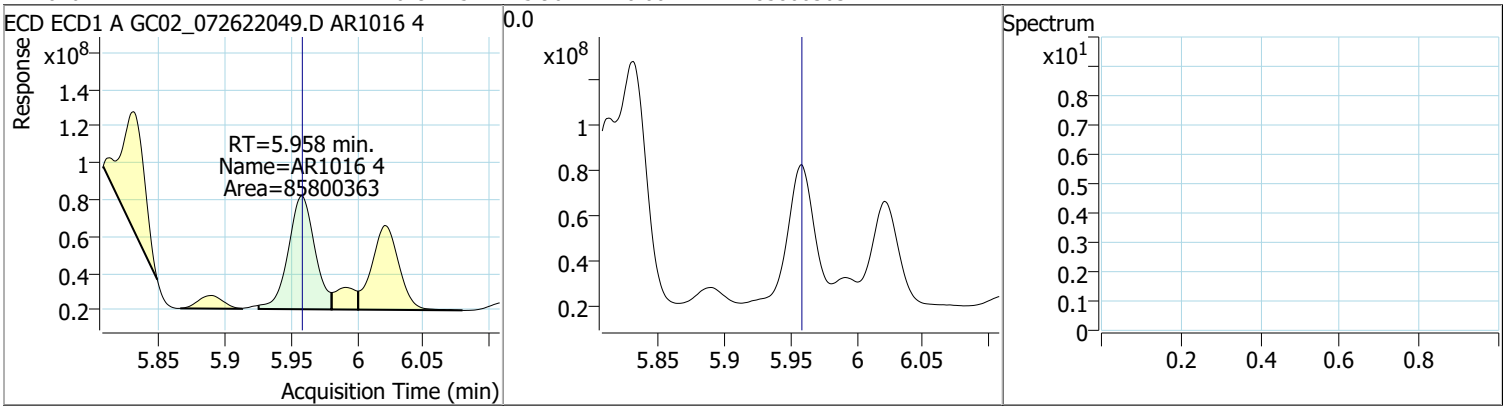
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	675.5213	5.83	0.00	152532189 (m)				



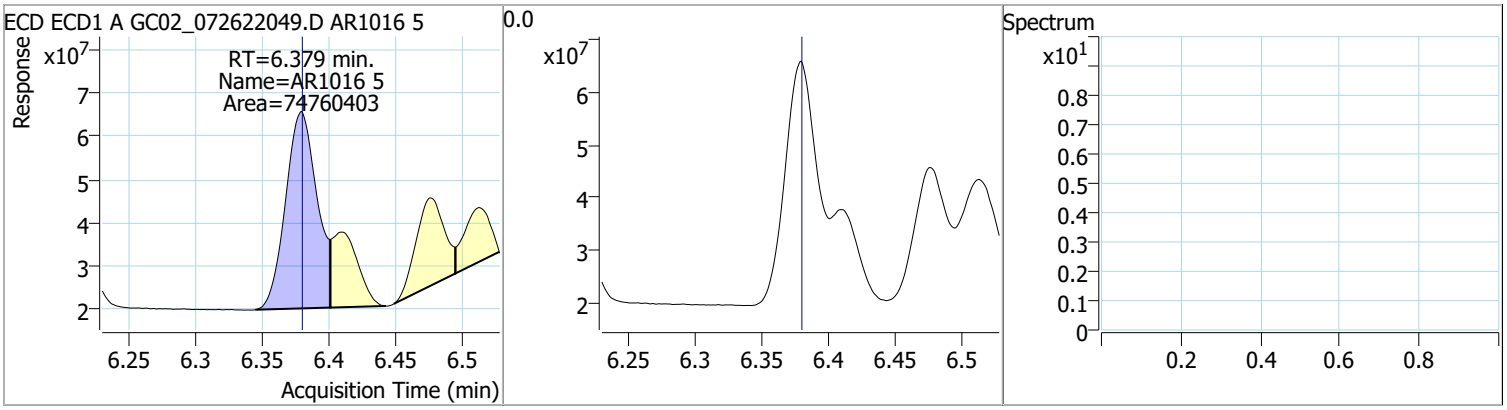
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	637.3422	5.92	0.00	7189122				



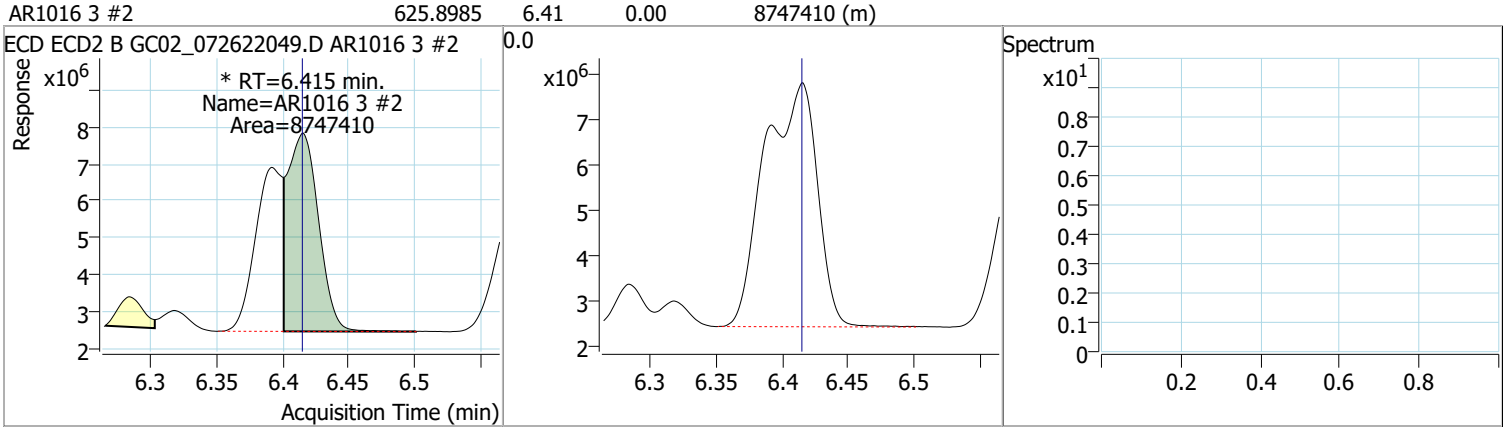
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	649.4757	5.96	0.00	85800363				



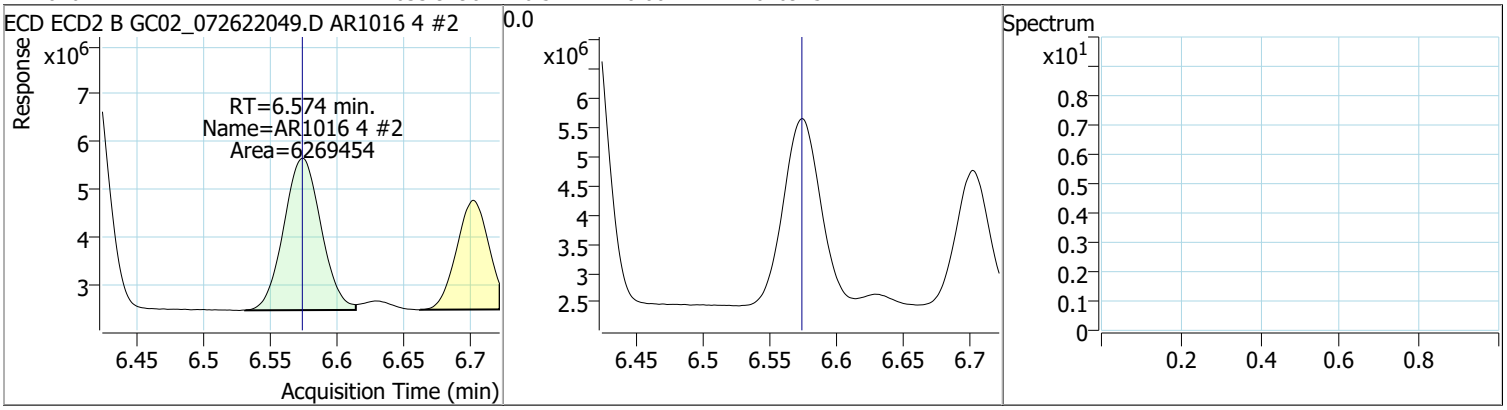
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	645.9917	6.38	0.00	74760403				



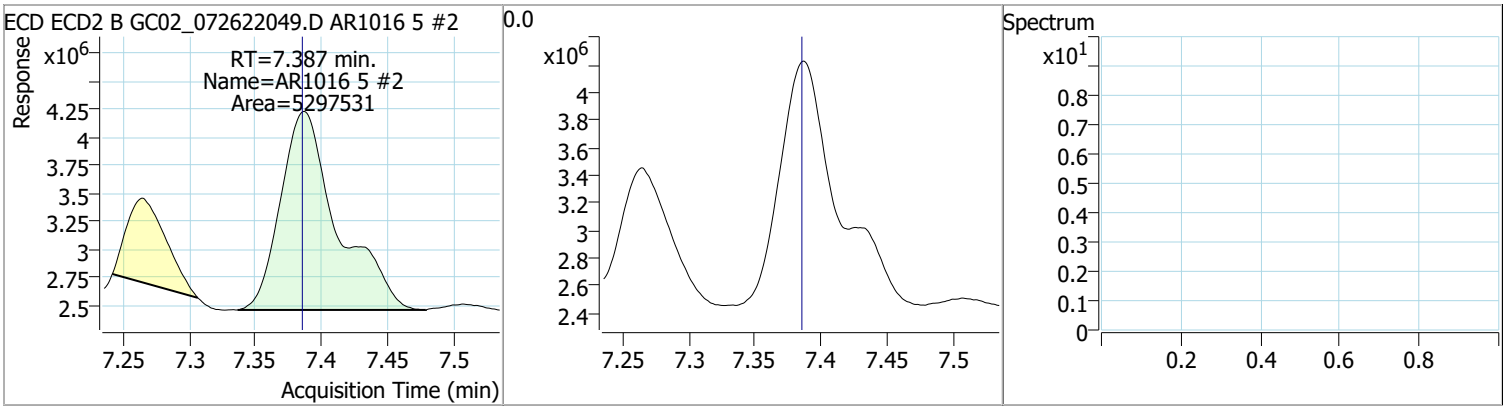
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	625.8985	6.41	0.00	8747410 (m)				



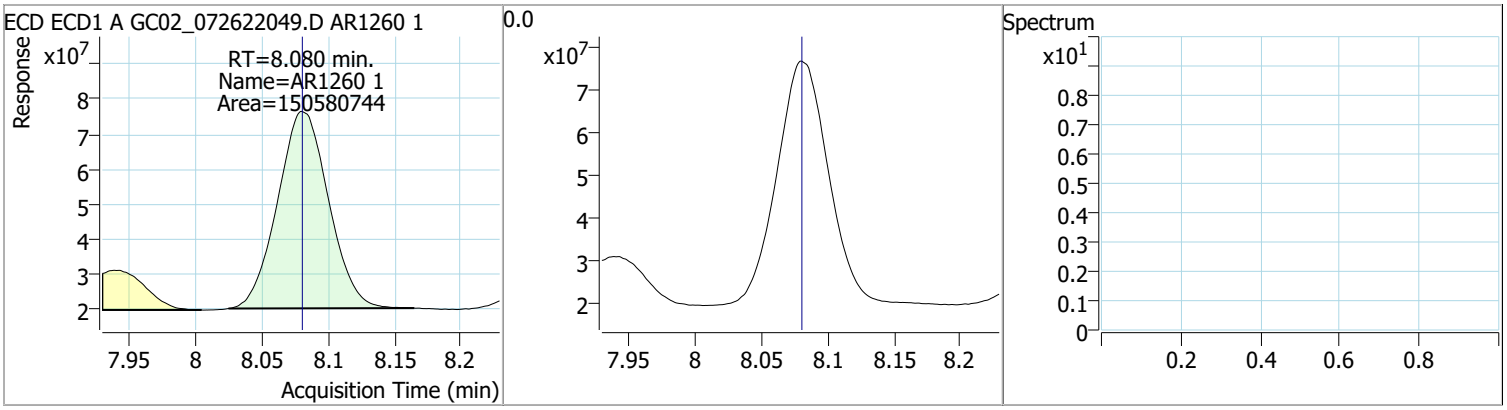
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	633.9290	6.57	0.00	6269454				



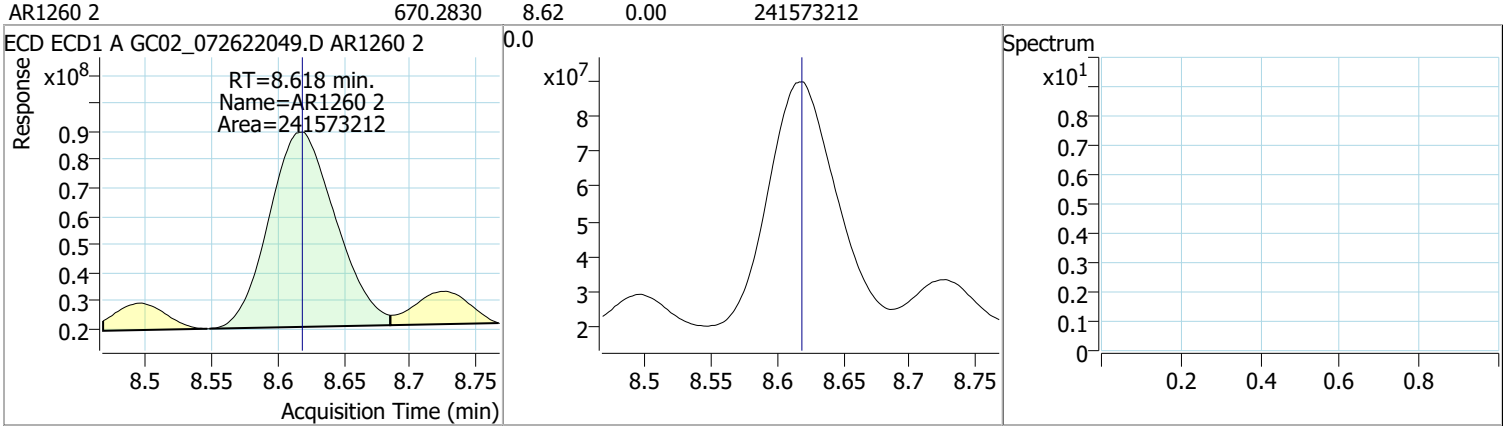
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	658.0640	7.39	0.00	5297531				



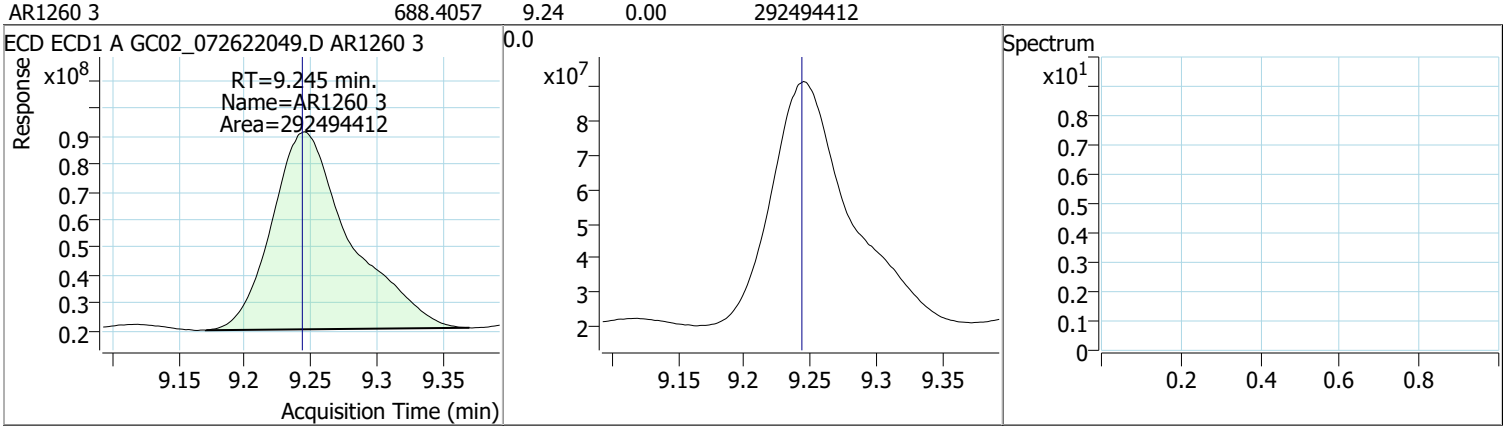
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	647.6049	8.08	0.00	150580744				



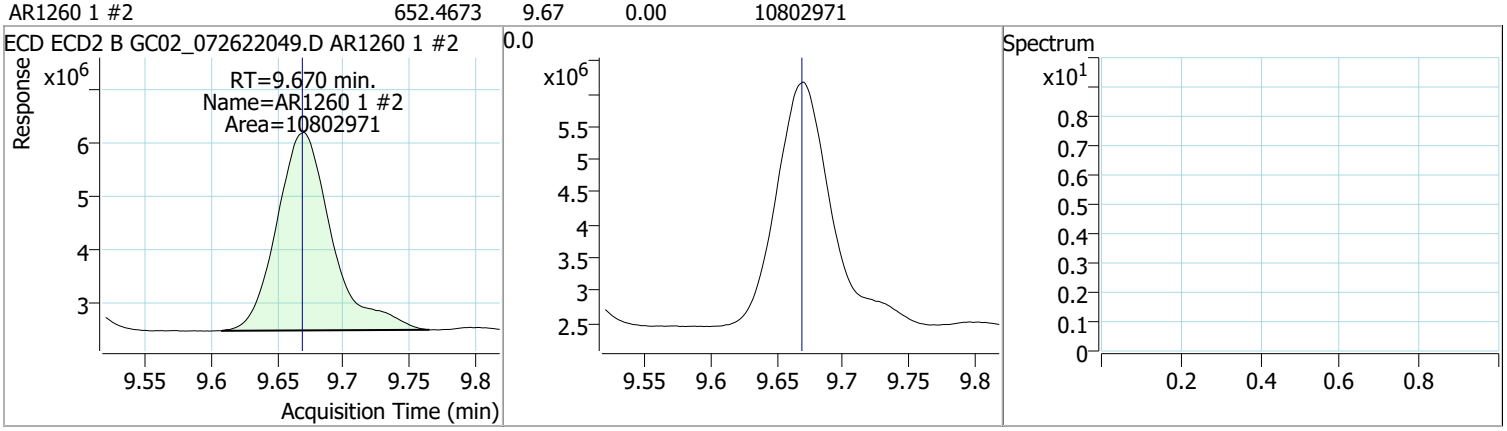
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	670.2830	8.62	0.00	241573212				



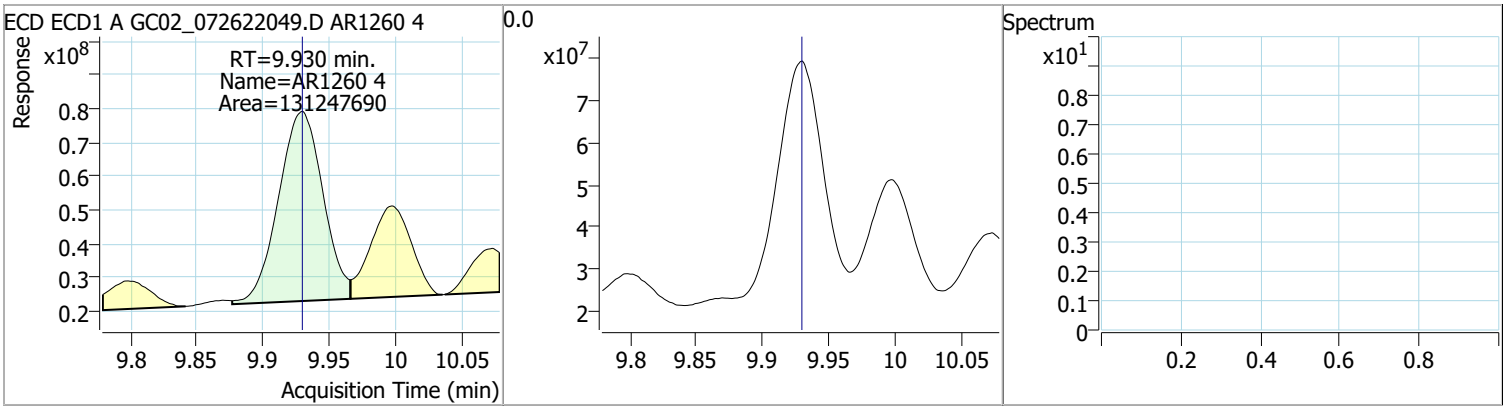
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	688.4057	9.24	0.00	292494412				



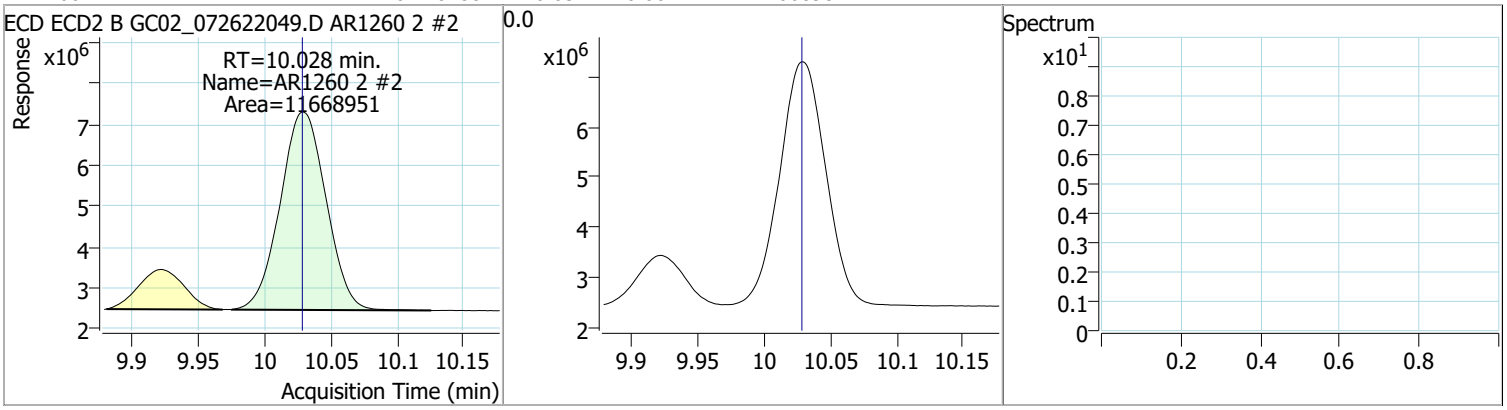
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	652.4673	9.67	0.00	10802971				



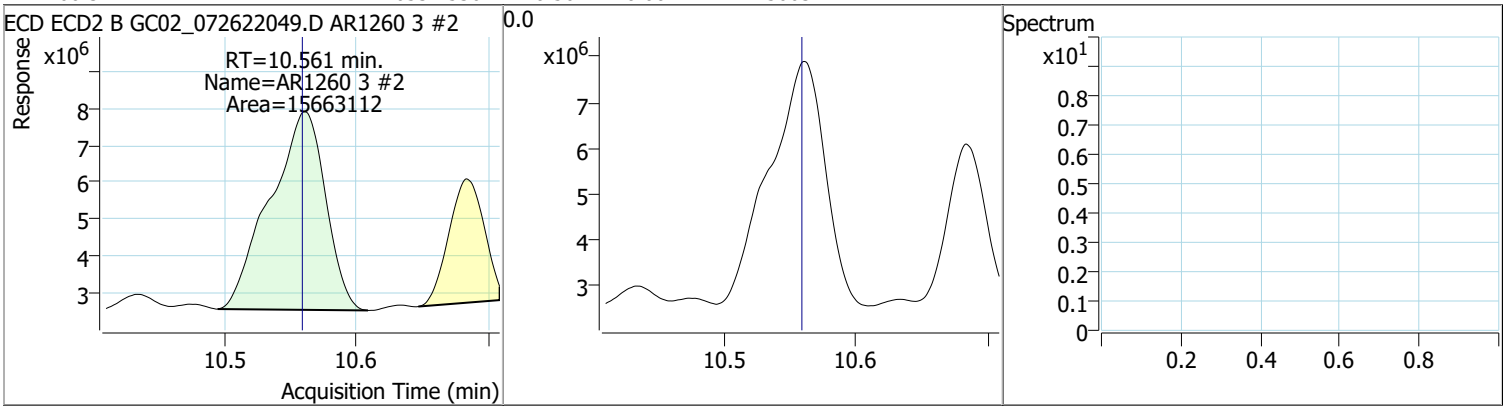
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	682.4227	9.93	0.00	131247690				



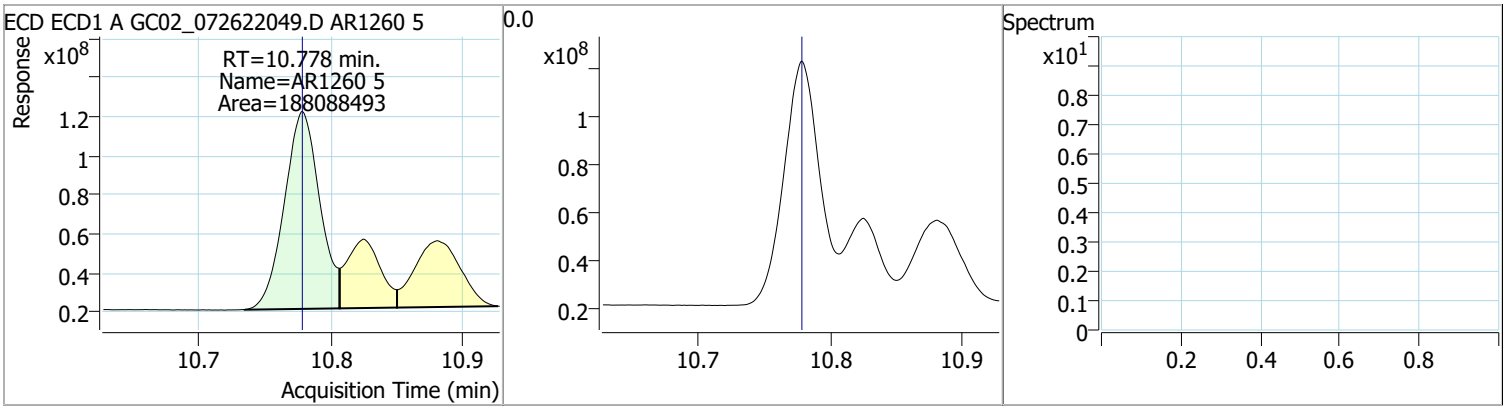
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	644.0788	10.03	0.00	11668951				



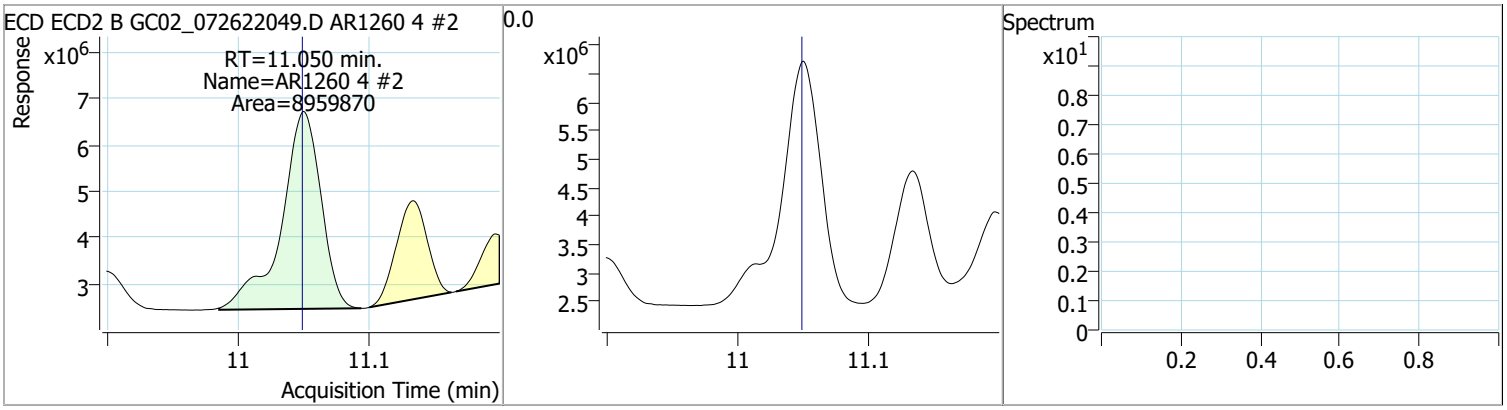
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	653.7536	10.56	0.00	15663112				



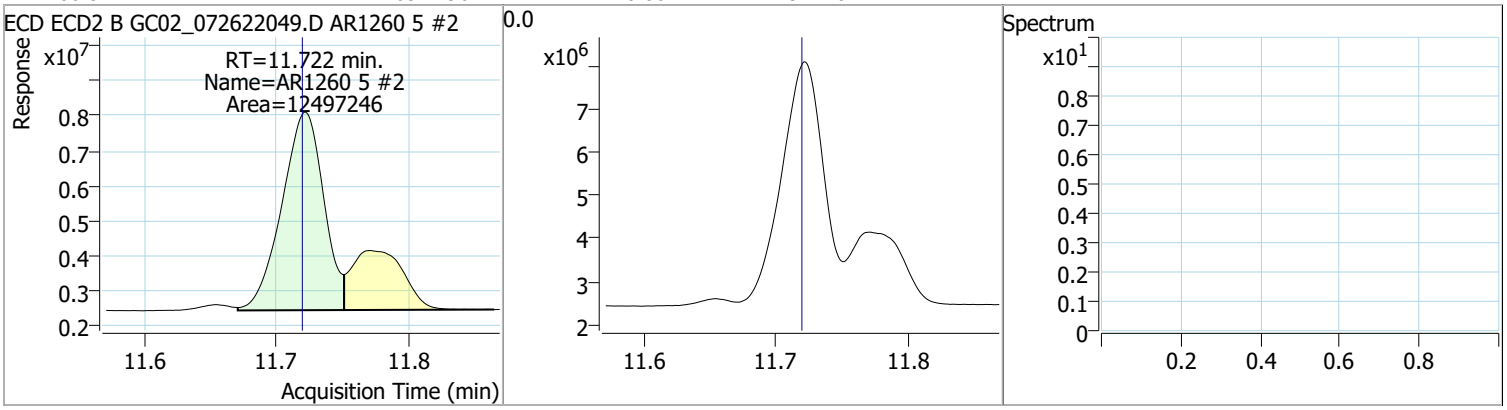
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	672.4065	10.78	0.00	188088493				



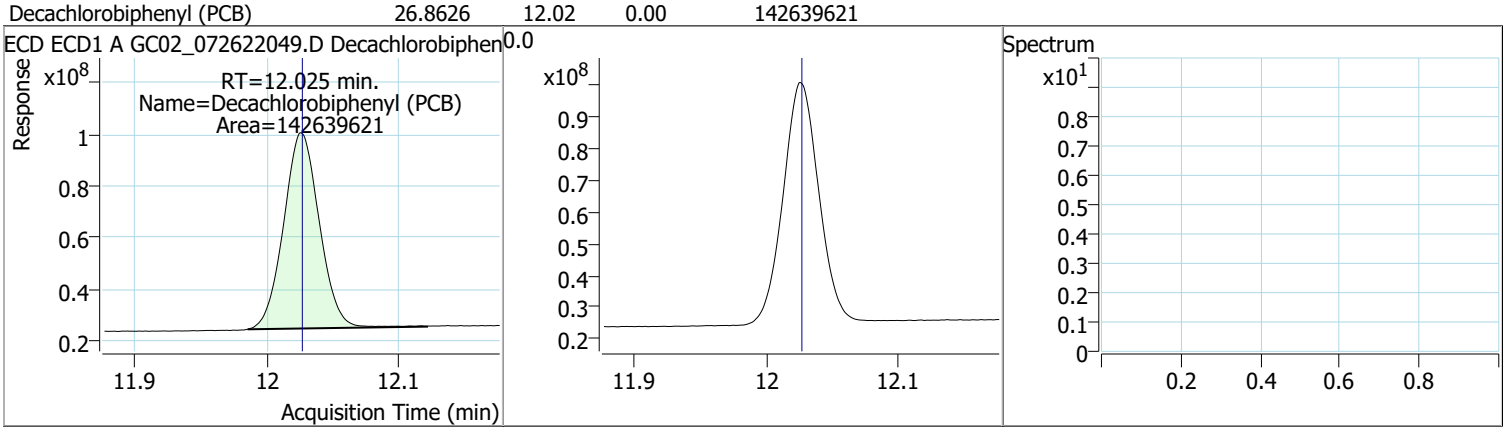
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	670.0323	11.05	0.00	8959870				



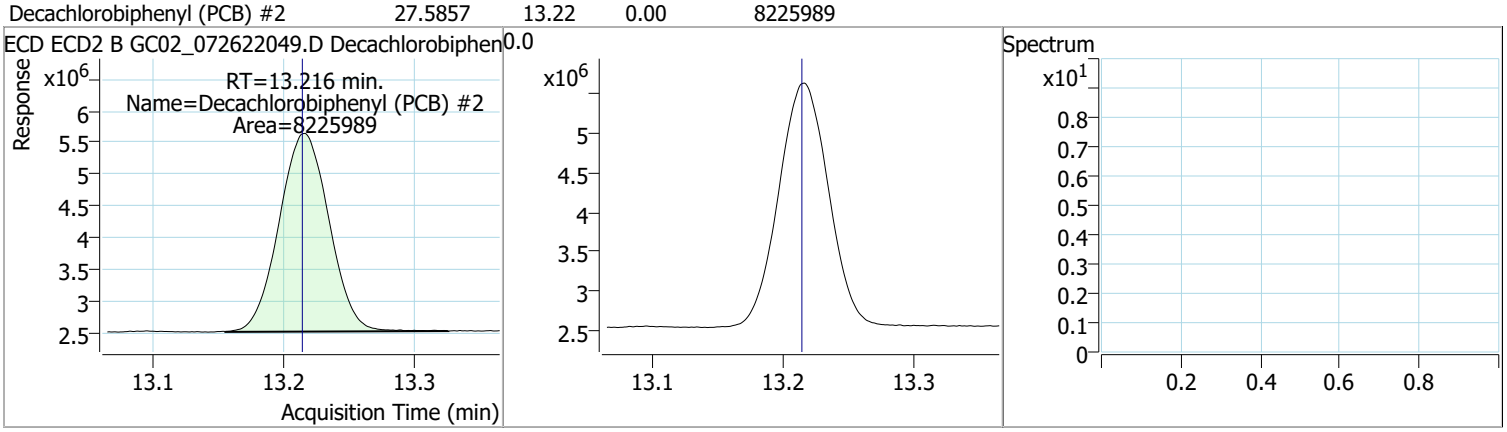
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	651.1964	11.72	0.00	12497246				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	26.8626	12.02	0.00	142639621				

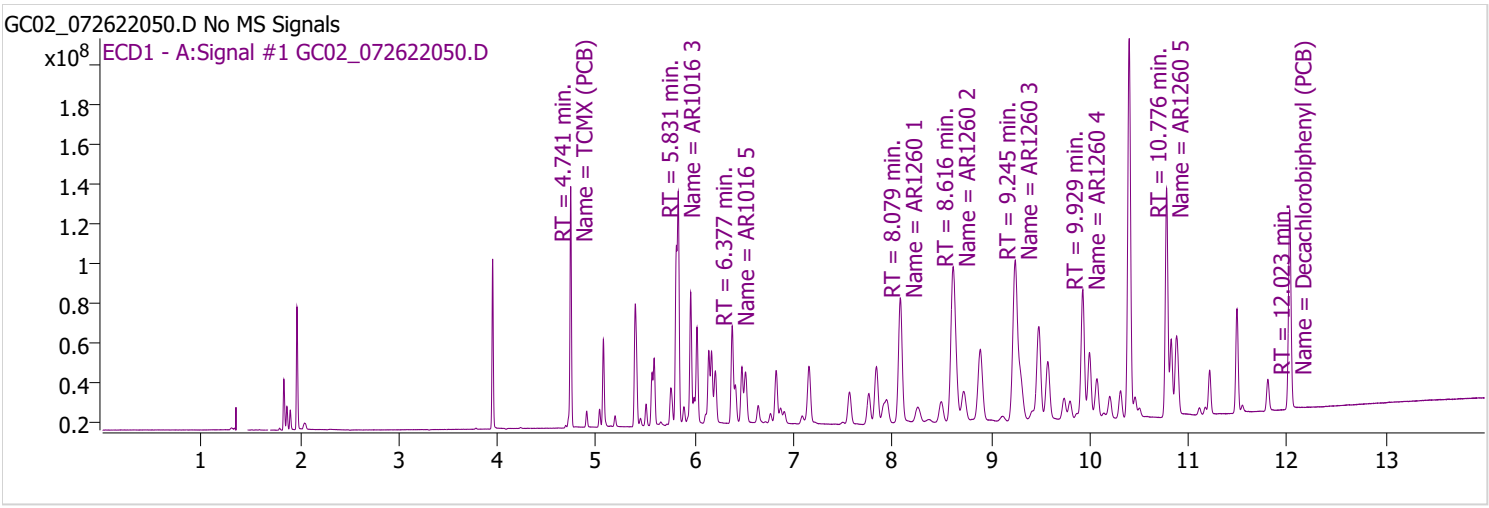


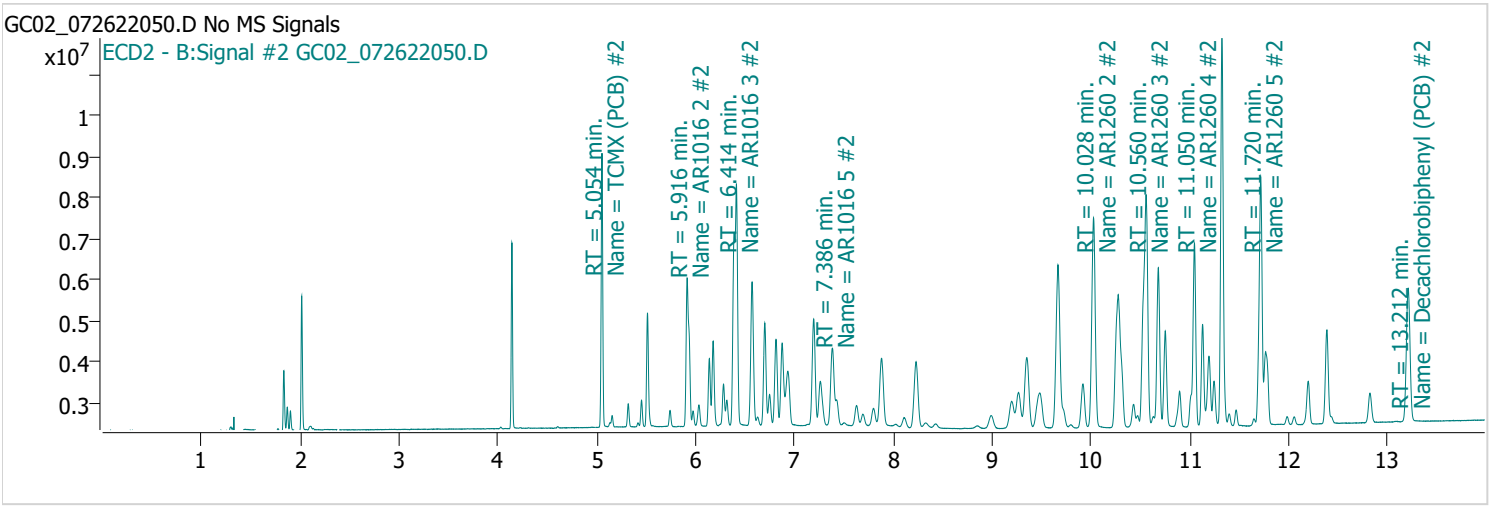
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	27.5857	13.22	0.00	8225989				



Quantitation Results Report (Not Reviewed)

Data File	GC02_072622050.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	7/27/2022 9:50:05 AM
Sample Name	ICAL, S17023, 2, S17010, 250	Instrument	SVOA-GC02
Vial	87	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_1.m	Comment	1000PPB PCB ICAL 7
Tune File	ATUNE.U	Tune Date	
Batch Name	072622PCBICAL.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



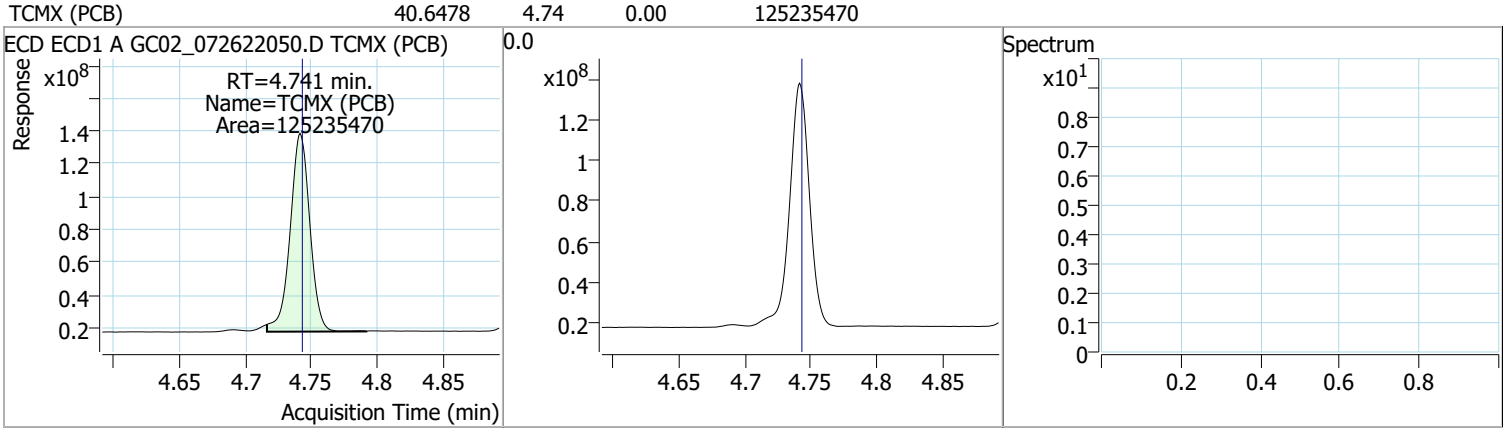


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.951	0.0	79022247.446	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.142	0.0	4259026.012	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB)	4.741	0.0	125235470.481	40.6478	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 203.24%		*	
S TCMX (PCB) #2	5.054	0.0	7381199.022	37.9289	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 189.64%		*	
S Decachlorobiphenyl (PCB)	12.023	0.0	183465471.298	49.6033	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 248.02%		*	
S Decachlorobiphenyl (PCB) #2	13.212	0.0	8568220.961	39.3826	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 196.91%		*	
Target Compounds							QValue

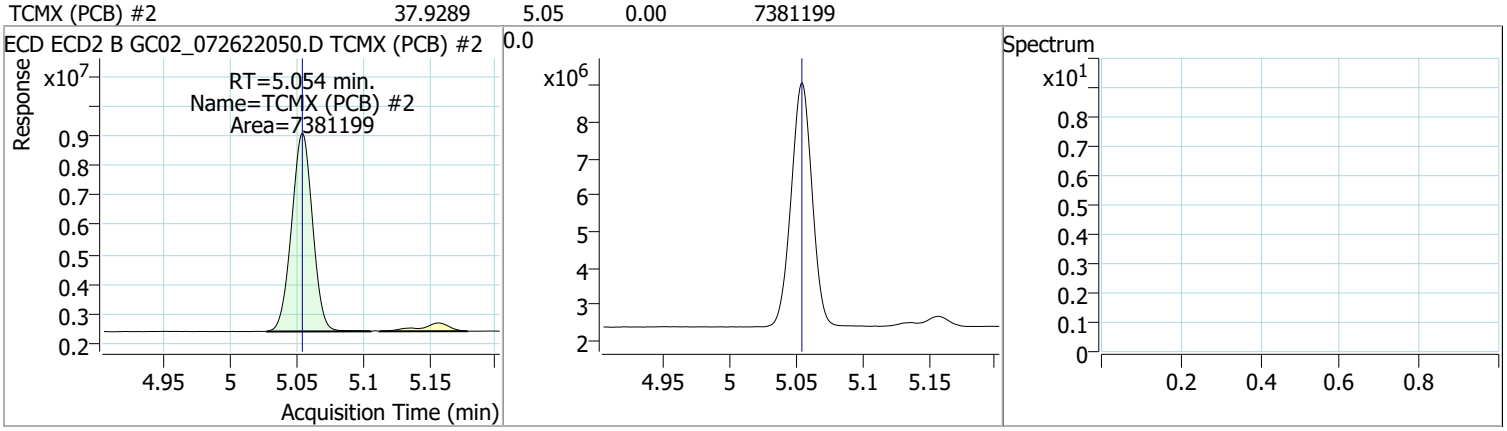
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.072	0.0	52020259.104	1002.8476	ng/ml		100
T AR1016 2	5.396	0.0	101749960.722	1016.0363	ng/ml		100
T AR1016 1 #2	5.515	0.0	3738112.773	931.5214	ng/ml		100
T AR1016 3	5.831	0.0	161942140.913	1029.6407	ng/ml	m	100
T AR1016 2 #2	5.916	0.0	7683135.796	933.5828	ng/ml		100
T AR1016 4	5.956	0.0	90737296.145	986.0703	ng/ml		100
T AR1016 5	6.377	0.0	79928660.631	991.5305	ng/ml		100
T AR1016 3 #2	6.414	0.0	9407251.355	922.5815	ng/ml	m	100
T AR1016 4 #2	6.573	0.0	6734957.720	933.3904	ng/ml		100
T AR1016 5 #2	7.386	0.0	5679784.899	967.0391	ng/ml		100
T AR1260 1	8.079	0.0	166839675.733	1030.1211	ng/ml		100
T AR1260 2	8.616	0.0	268041889.086	1067.7273	ng/ml		100
T AR1260 3	9.245	0.0	282972292.660	956.1346	ng/ml		100
T AR1260 1 #2	9.668	0.0	11594593.262	959.8174	ng/ml		100
T AR1260 4	9.929	0.0	144084977.763	1075.5454	ng/ml		100
T AR1260 2 #2	10.028	0.0	12461939.708	942.7800	ng/ml		100
T AR1260 3 #2	10.560	0.0	16686653.062	954.6031	ng/ml		100
T AR1260 5	10.776	0.0	211237891.182	1084.1510	ng/ml		100
T AR1260 4 #2	11.050	0.0	8281380.393	848.8174	ng/ml		100
T AR1260 5 #2	11.720	0.0	12989614.489	927.7083	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

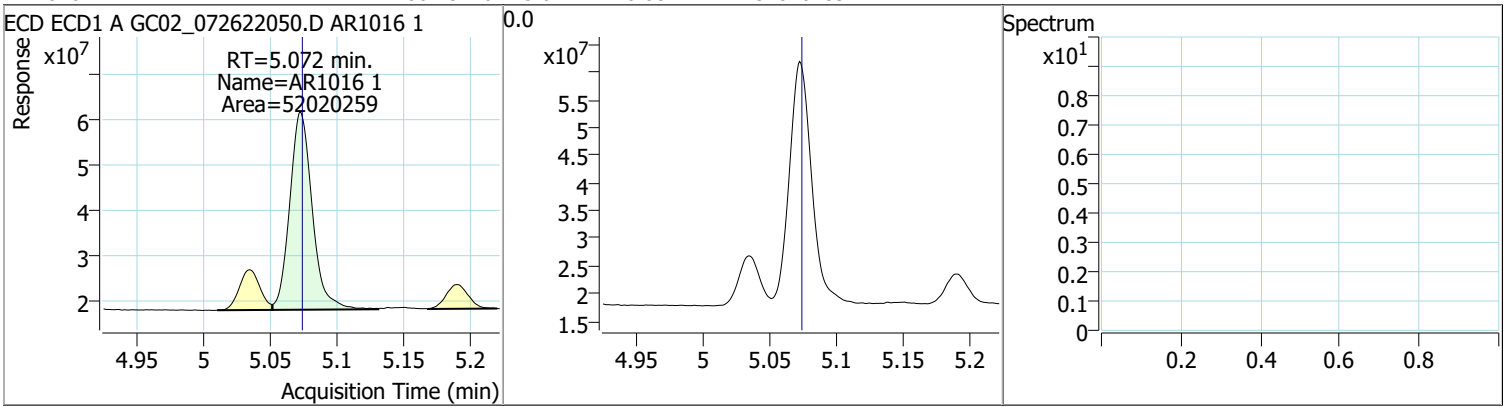
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	40.6478	4.74	0.00	125235470				



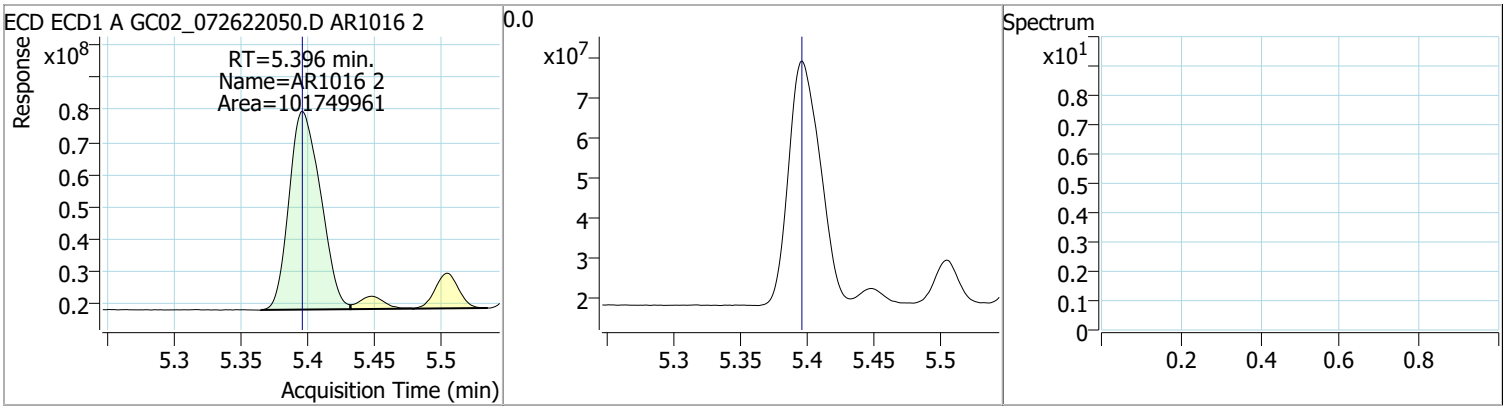
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.9289	5.05	0.00	7381199				



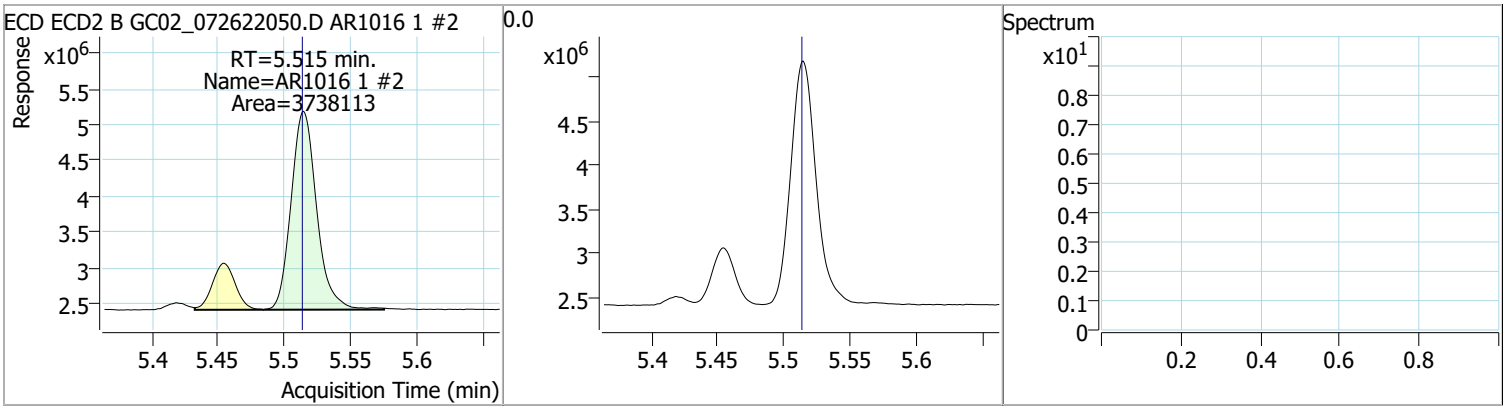
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1002.8476	5.07	0.00	52020259				



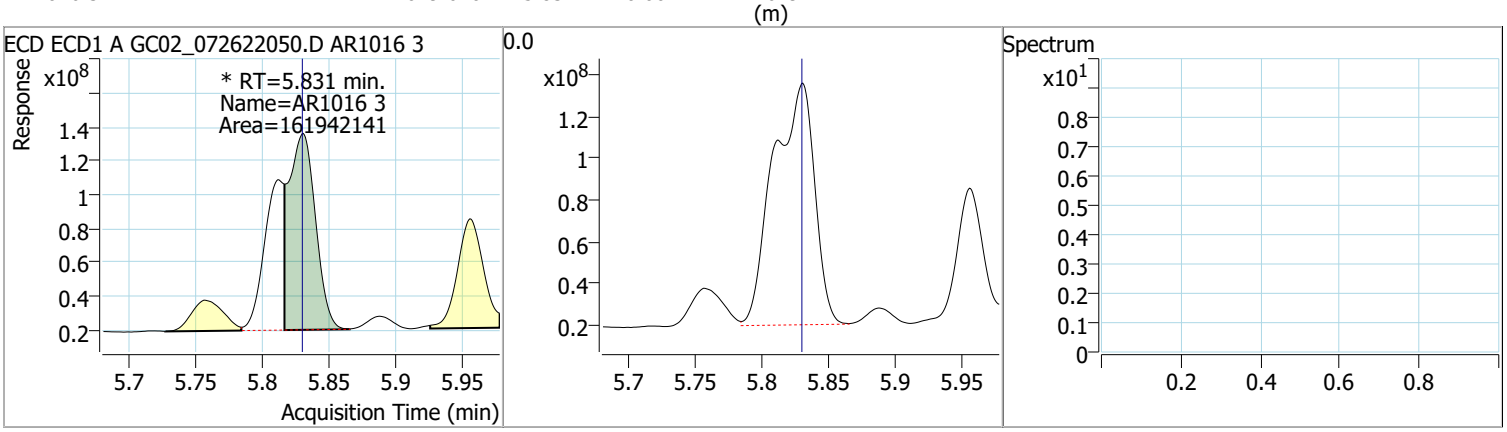
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1016.0363	5.40	0.00	101749961				



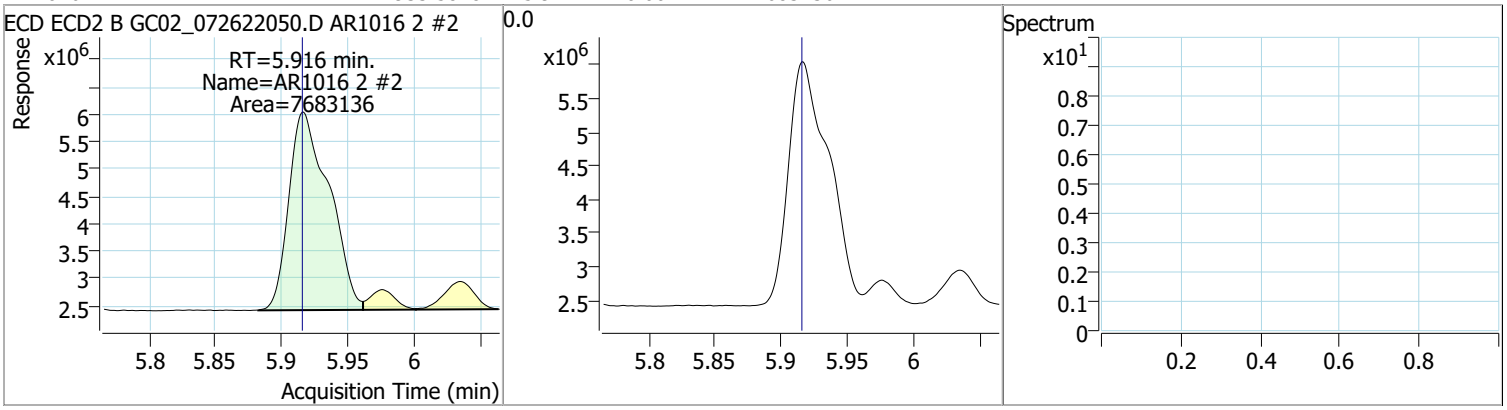
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	931.5214	5.51	0.00	3738113				



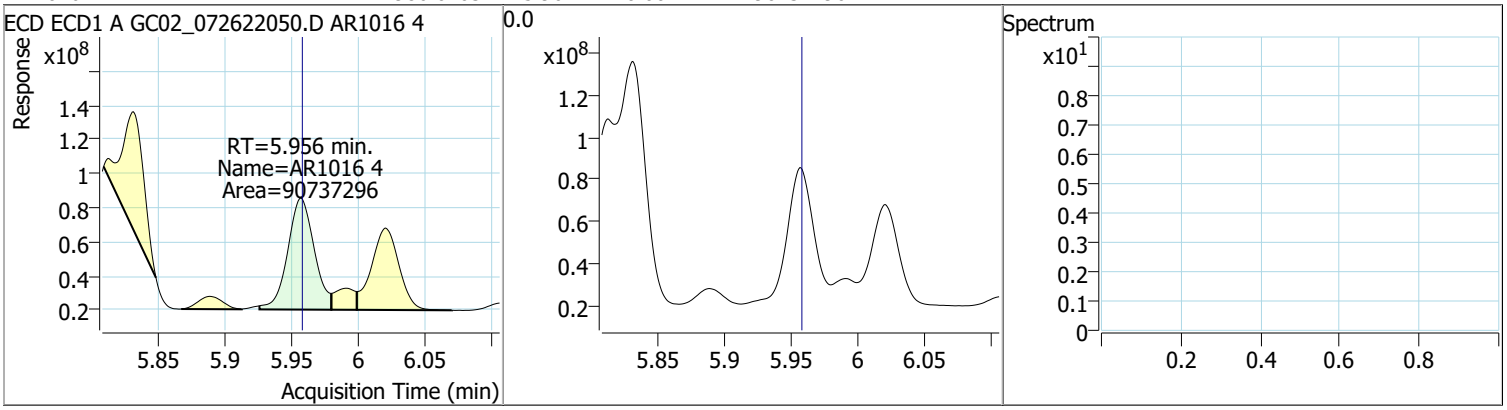
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1029.6407	5.83	0.00	161942141 (m)				



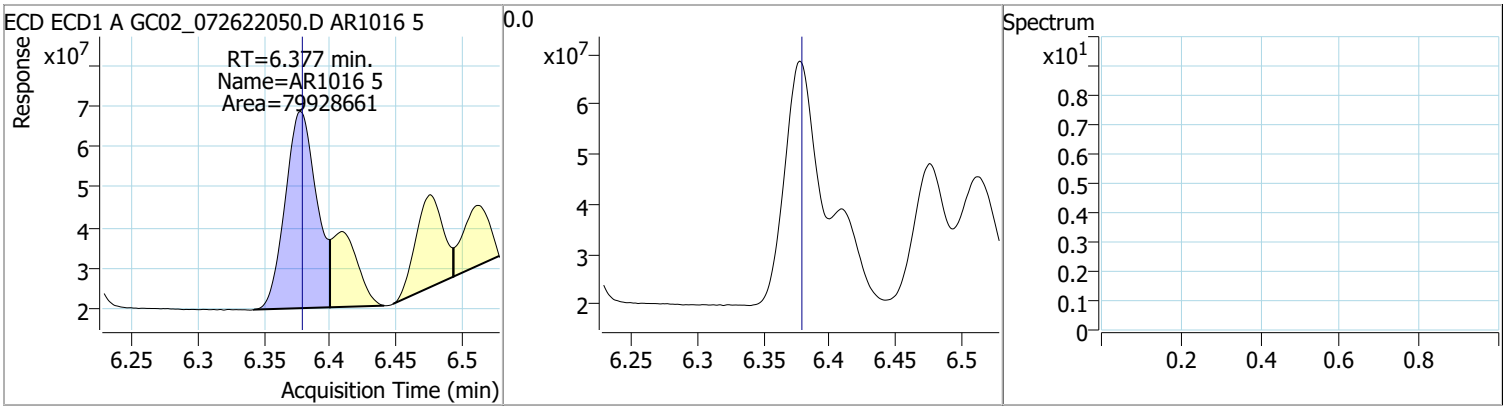
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	933.5828	5.92	0.00	7683136				



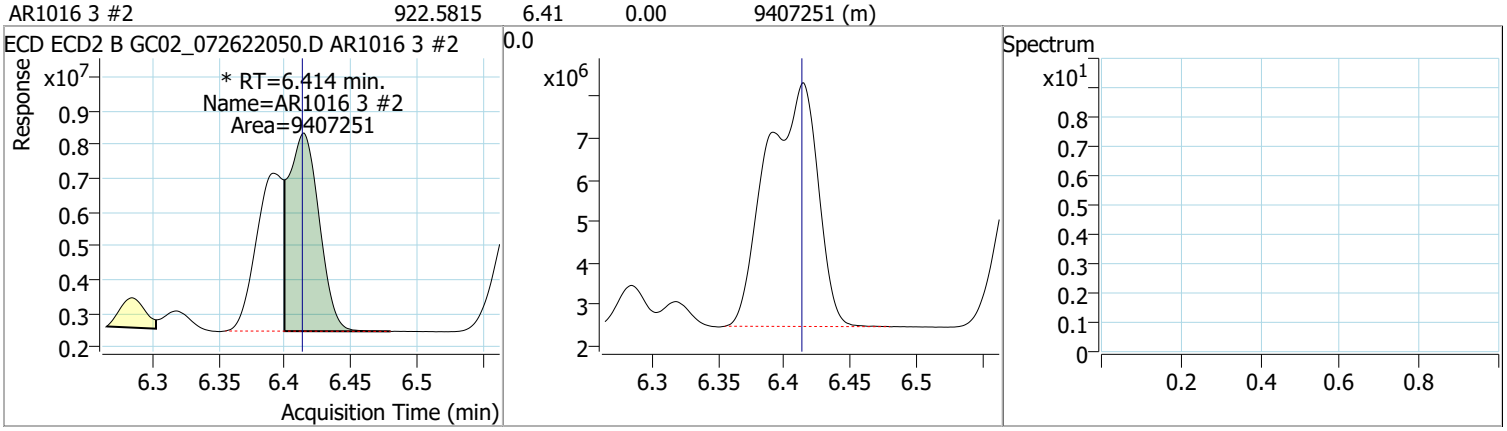
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	986.0703	5.96	0.00	90737296				



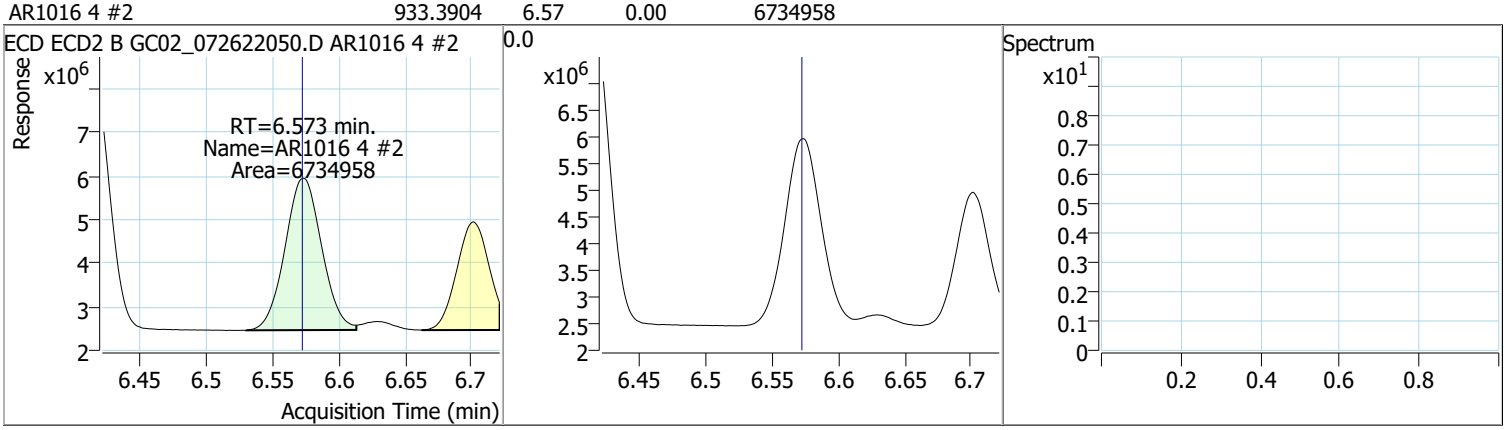
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	991.5305	6.38	0.00	79928661				



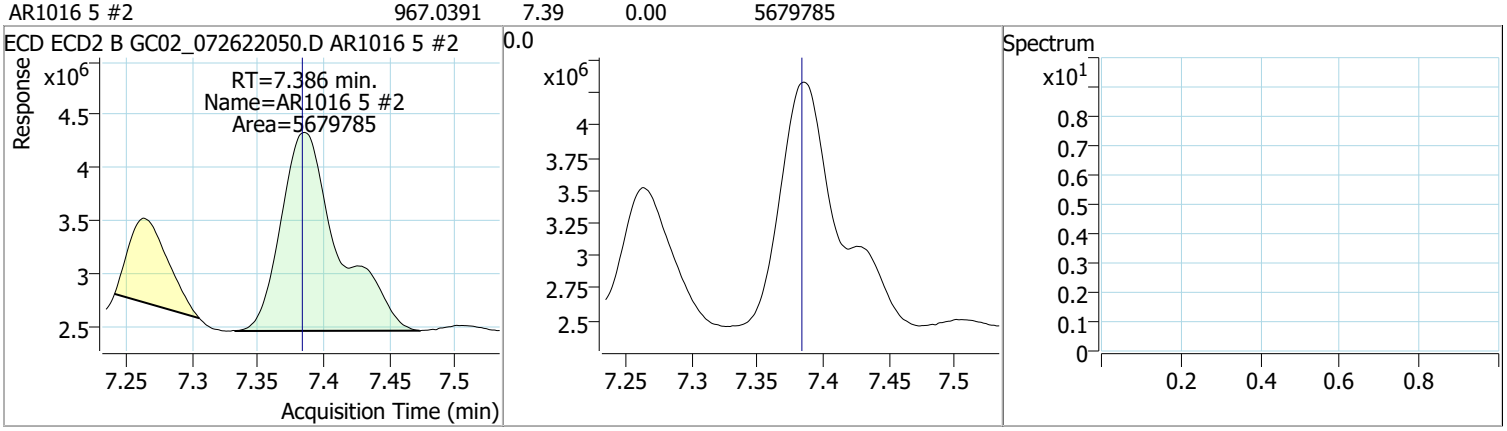
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	922.5815	6.41	0.00	9407251 (m)				



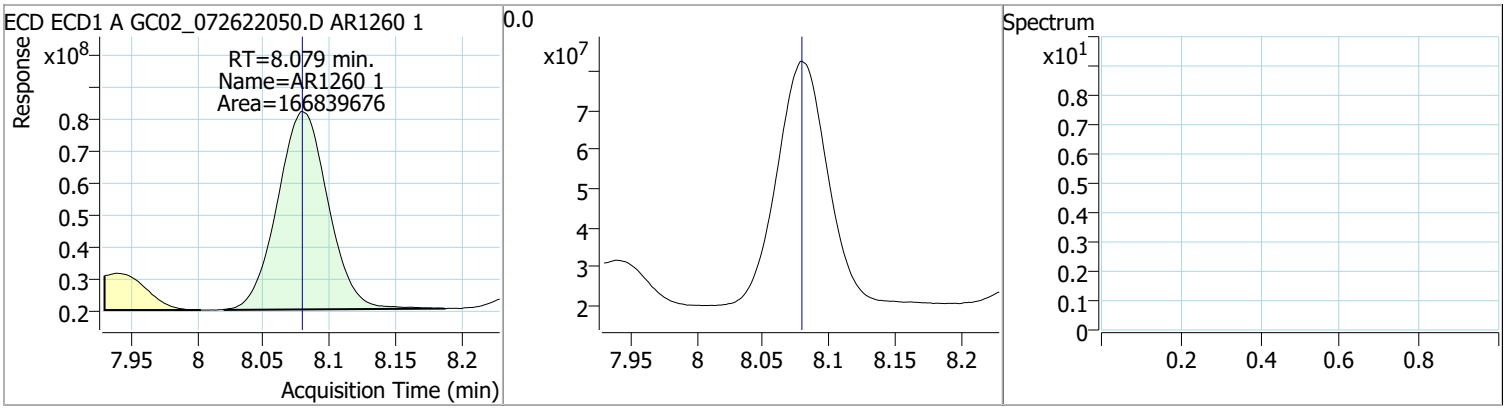
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	933.3904	6.57	0.00	6734958				



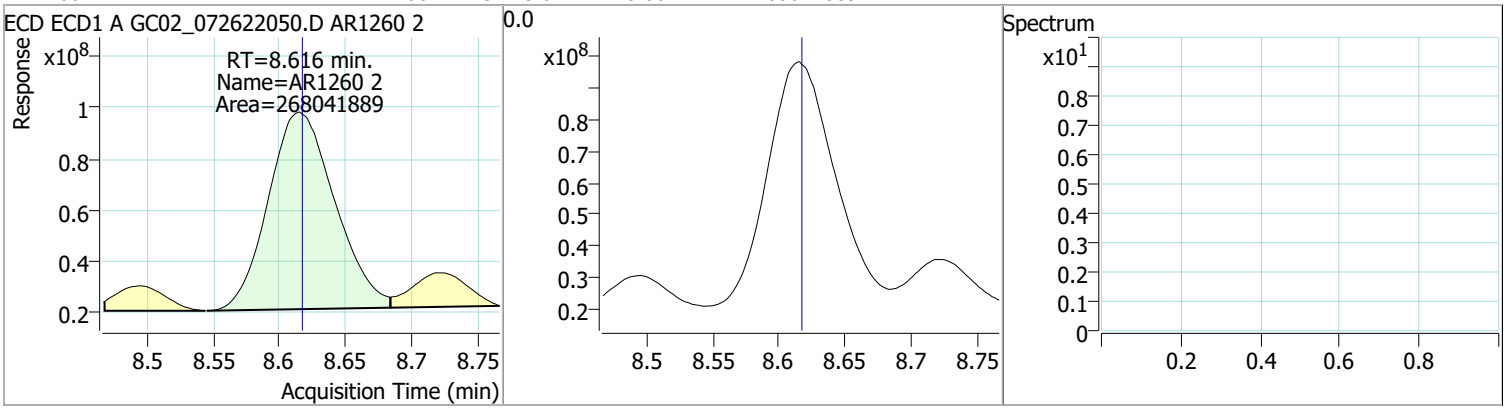
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	967.0391	7.39	0.00	5679785				



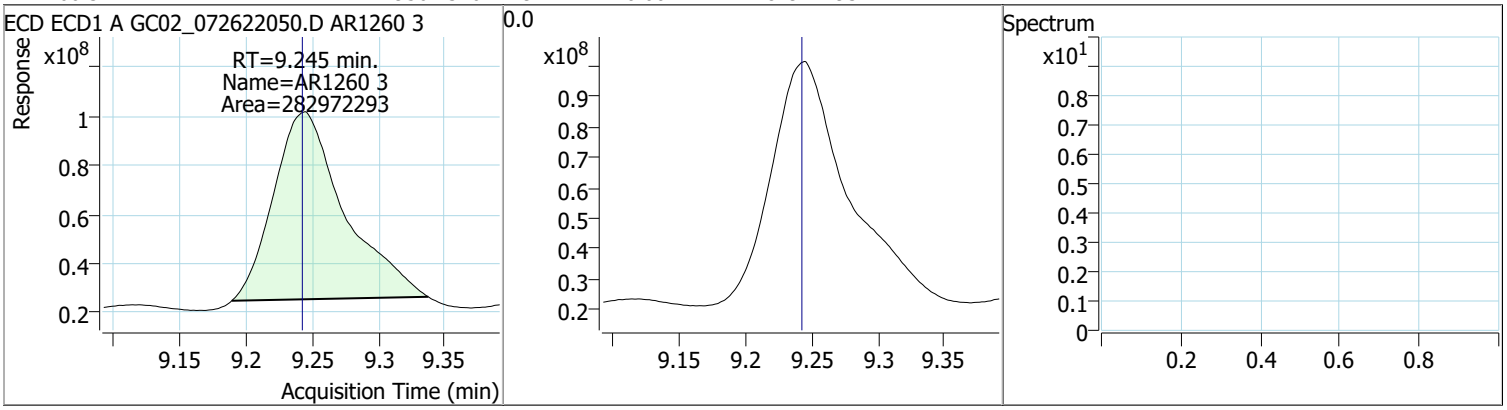
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1030.1211	8.08	0.00	166839676				



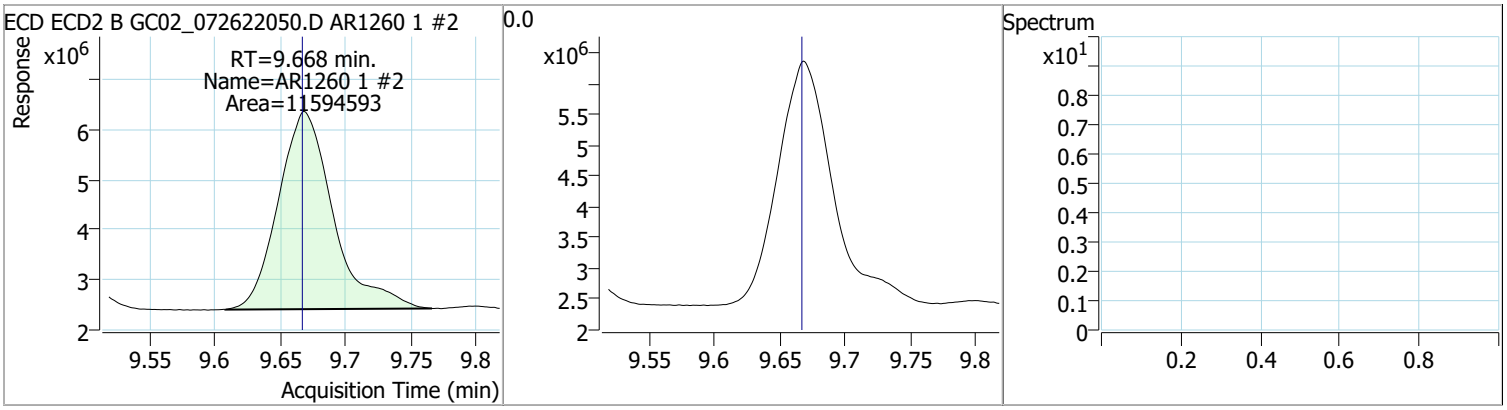
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1067.7273	8.62	0.00	268041889				



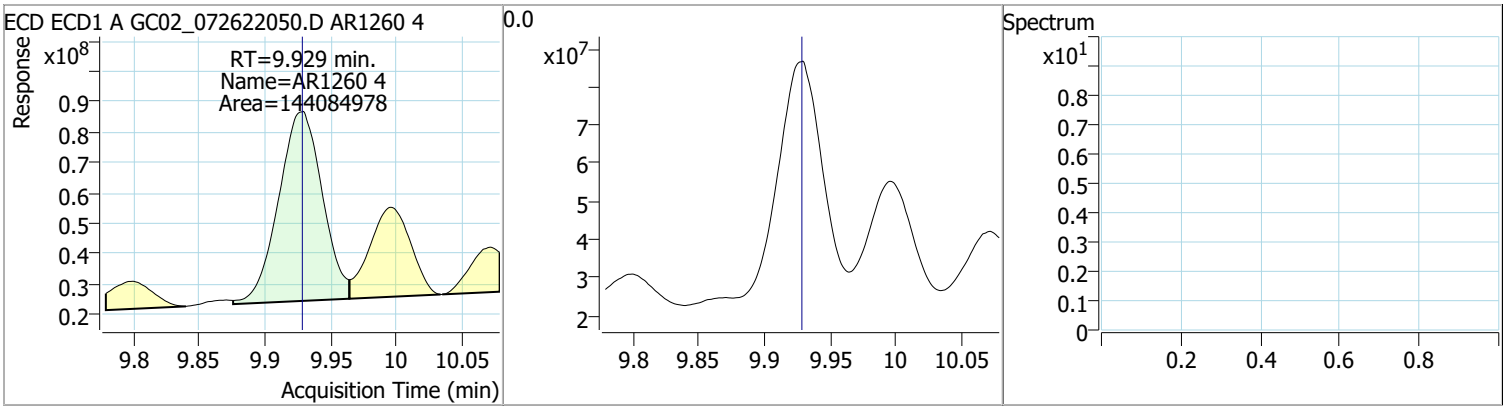
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	956.1346	9.24	0.00	282972293				



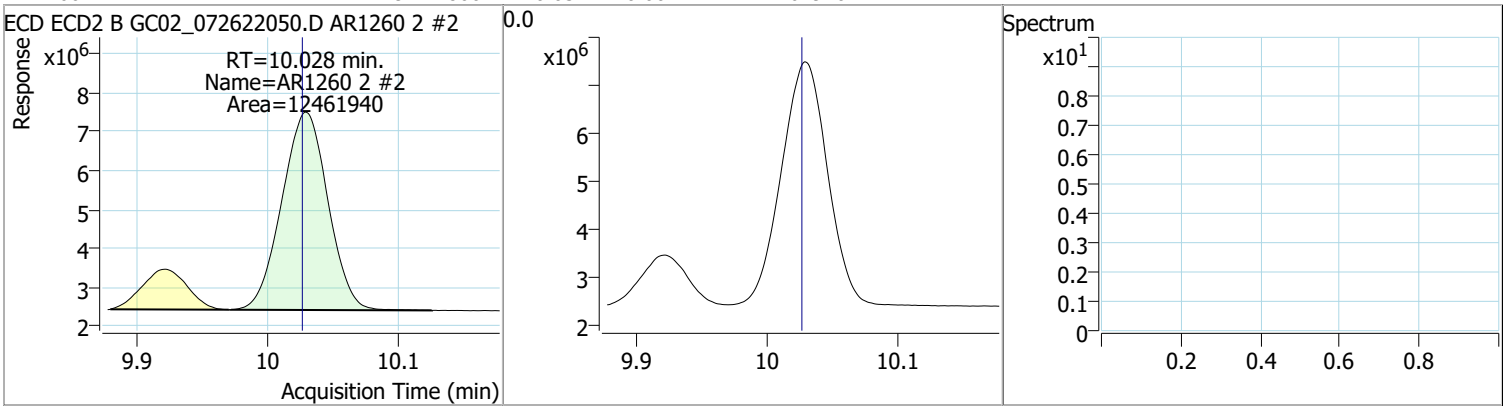
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	959.8174	9.67	0.00	11594593				



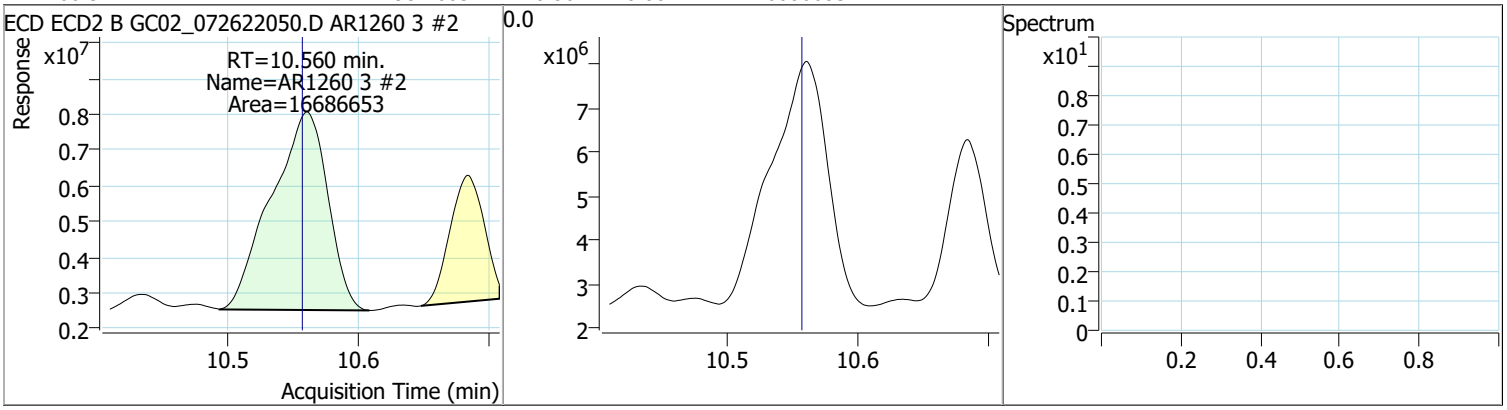
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1075.5454	9.93	0.00	144084978				



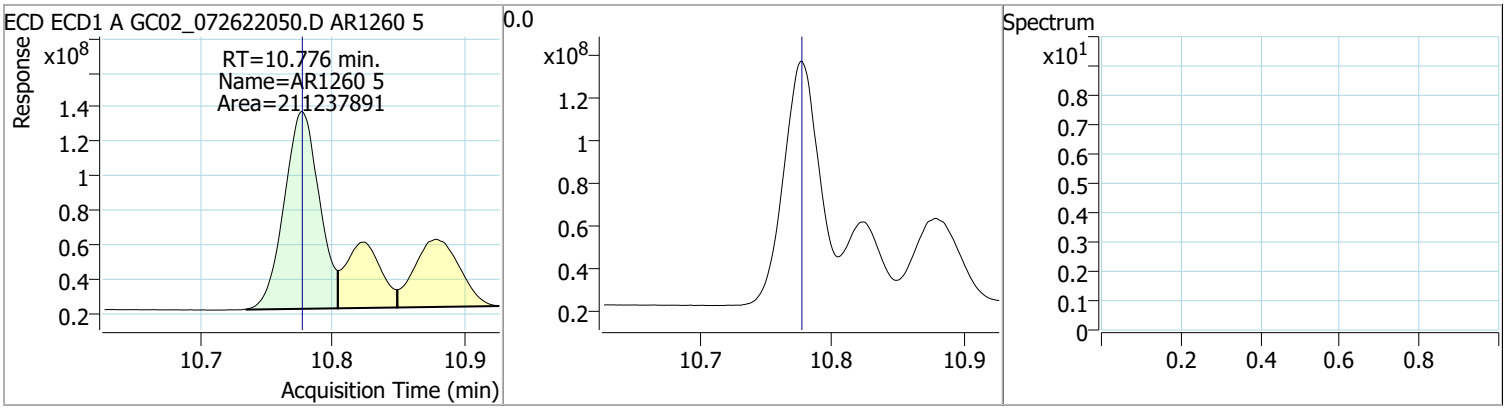
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	942.7800	10.03	0.00	12461940				



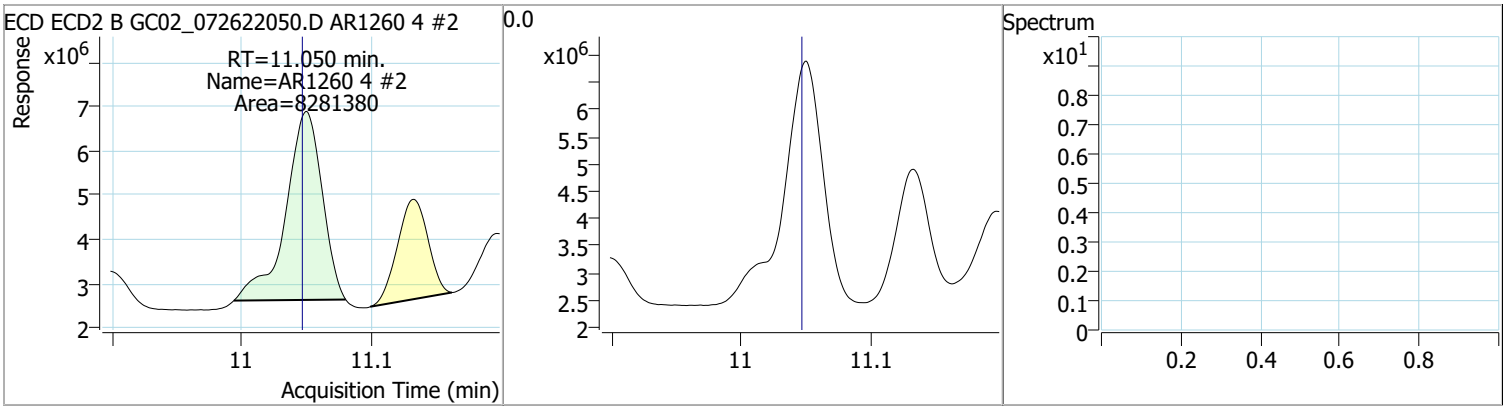
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	954.6031	10.56	0.00	16686653				



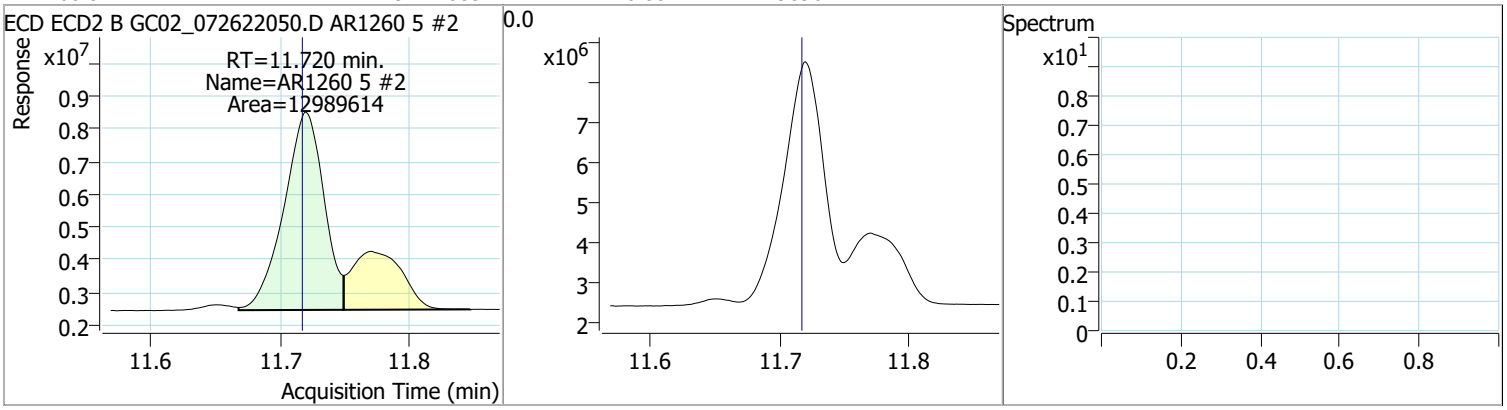
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1084.1510	10.78	0.00	211237891				



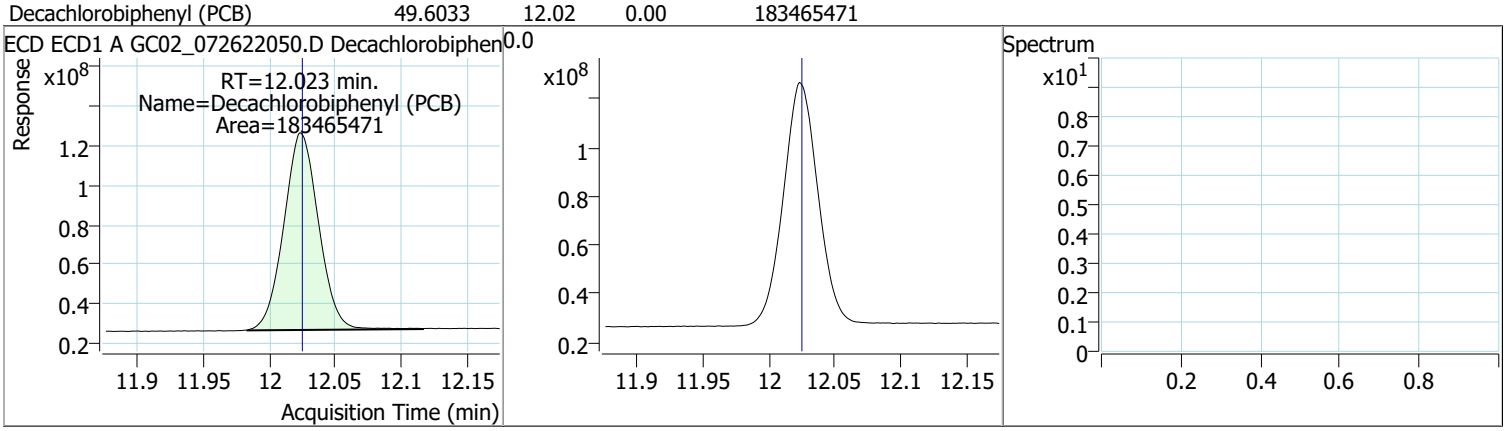
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	848.8174	11.05	0.00	8281380				



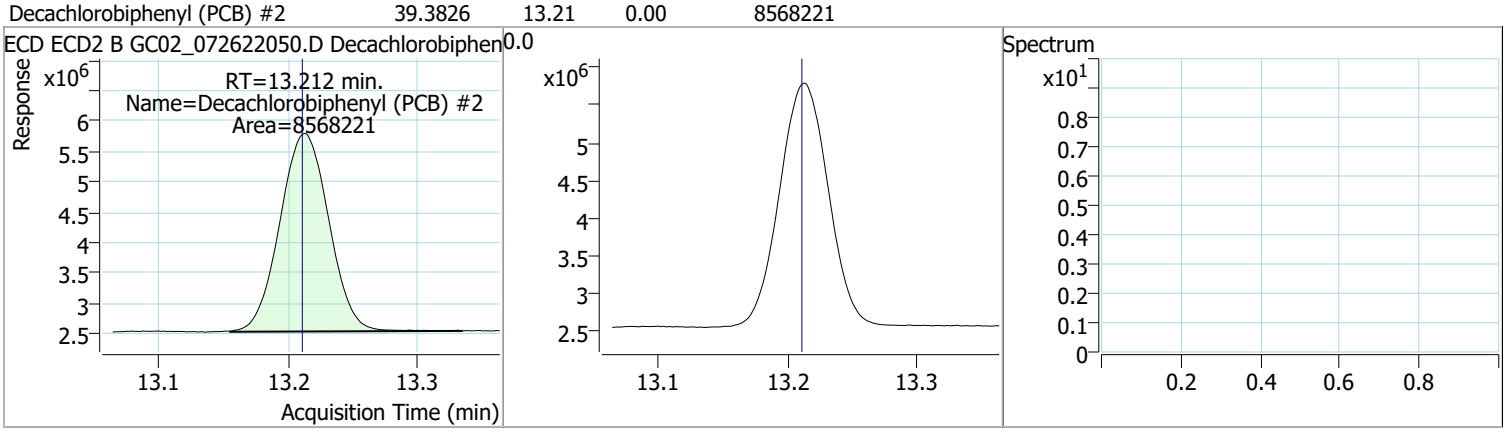
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	927.7083	11.72	0.00	12989614				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	49.6033	12.02	0.00	183465471				

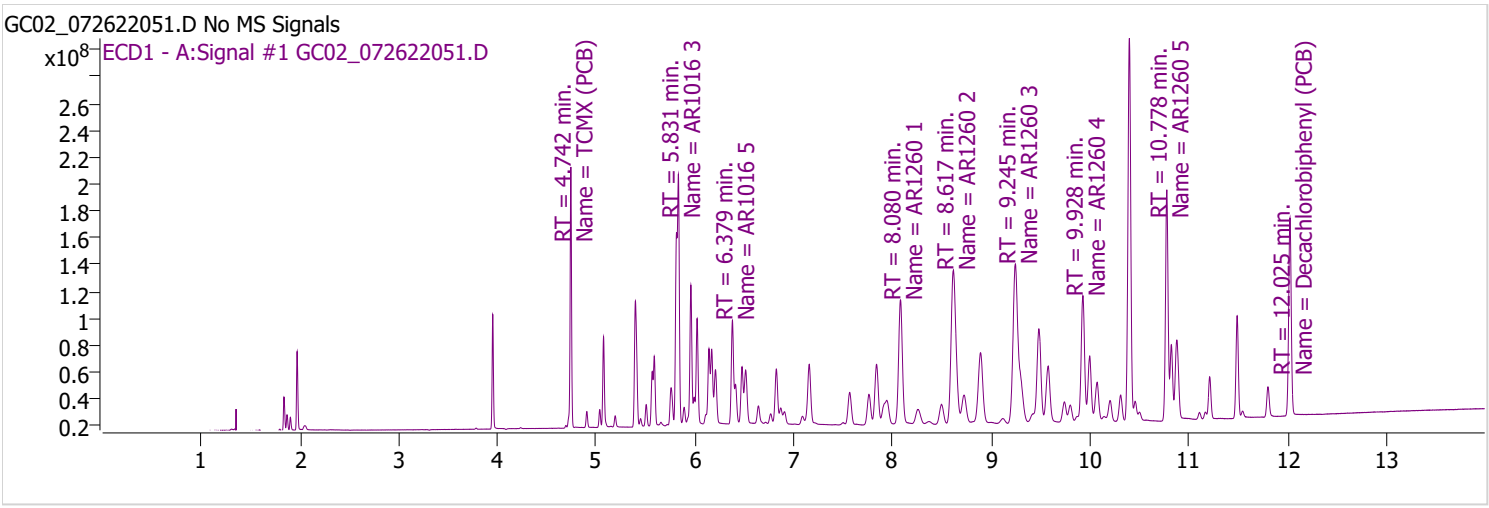


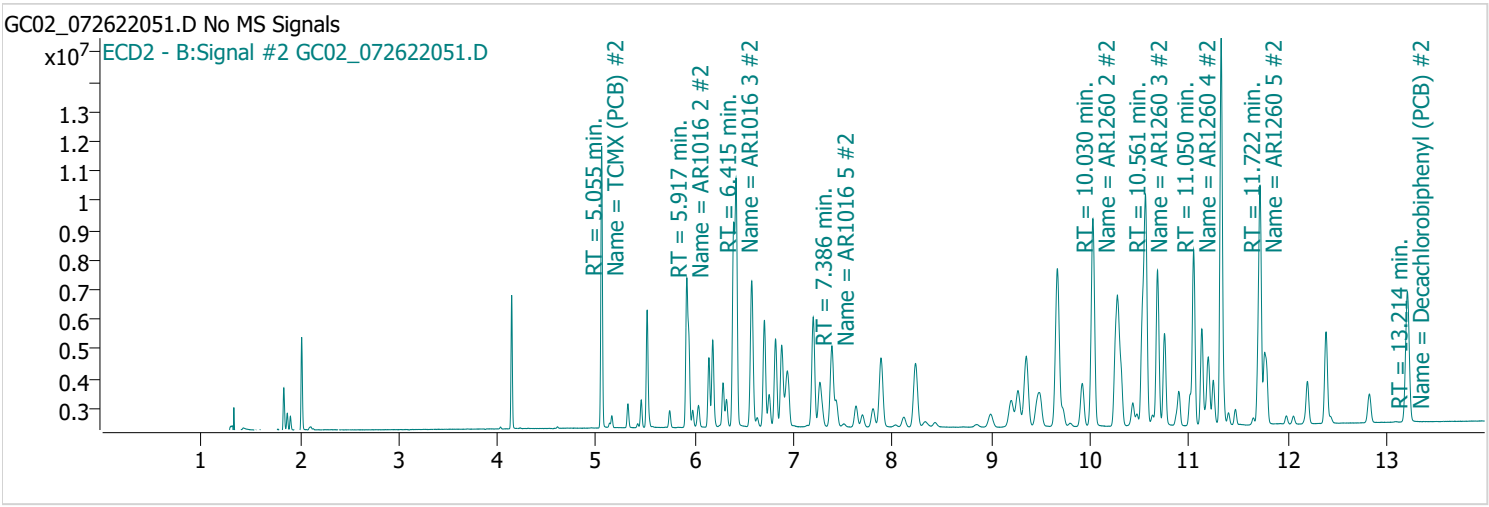
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	39.3826	13.21	0.00	8568221				



Quantitation Results Report (Not Reviewed)

Data File	GC02_072622051.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	7/27/2022 10:07:54 AM
Sample Name	ICAL, S17023, 1.33, S17010, 250	Instrument	SVOA-GC02
Vial	88	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_1.m	Comment	1500PPB PCB ICAL 8
Tune File	ATUNE.U	Tune Date	
Batch Name	072622PCBICAL.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



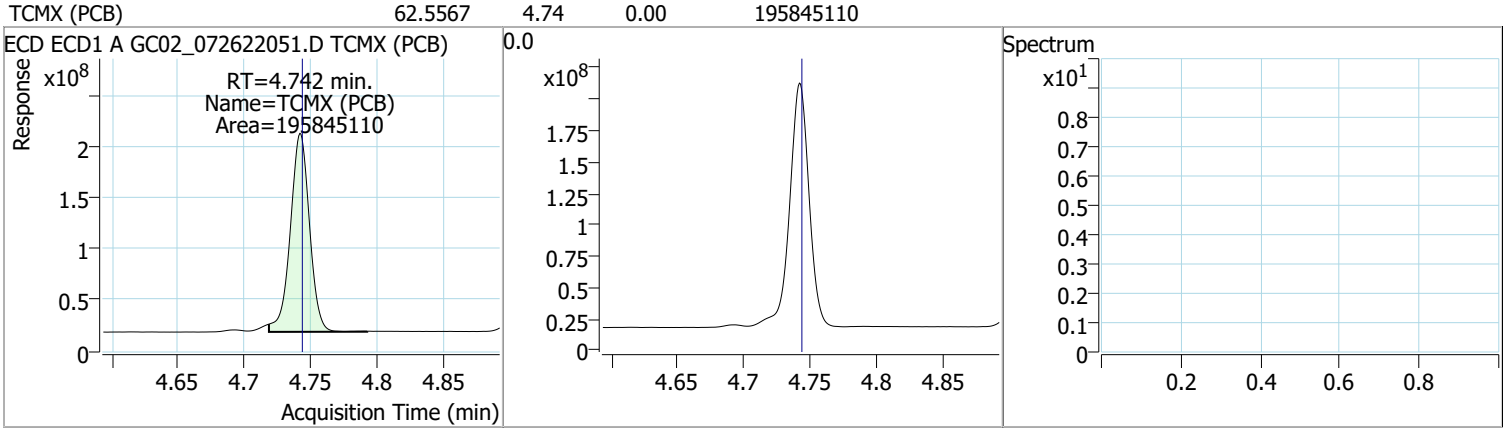


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.952	0.0	80296707.177	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.143	0.0	4233380.898	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.742	0.0	195845110.245	62.5567	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 312.78%		*	
S TCMX (PCB) #2	5.055	0.0	10615919.986	54.8812	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 274.41%		*	
S Decachlorobiphenyl (PCB)	12.025	0.0	270190641.723	71.8915	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 359.46%		*	
S Decachlorobiphenyl (PCB) #2	13.214	0.0	11550875.308	53.4135	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 267.07%		*	
Target Compounds							QValue

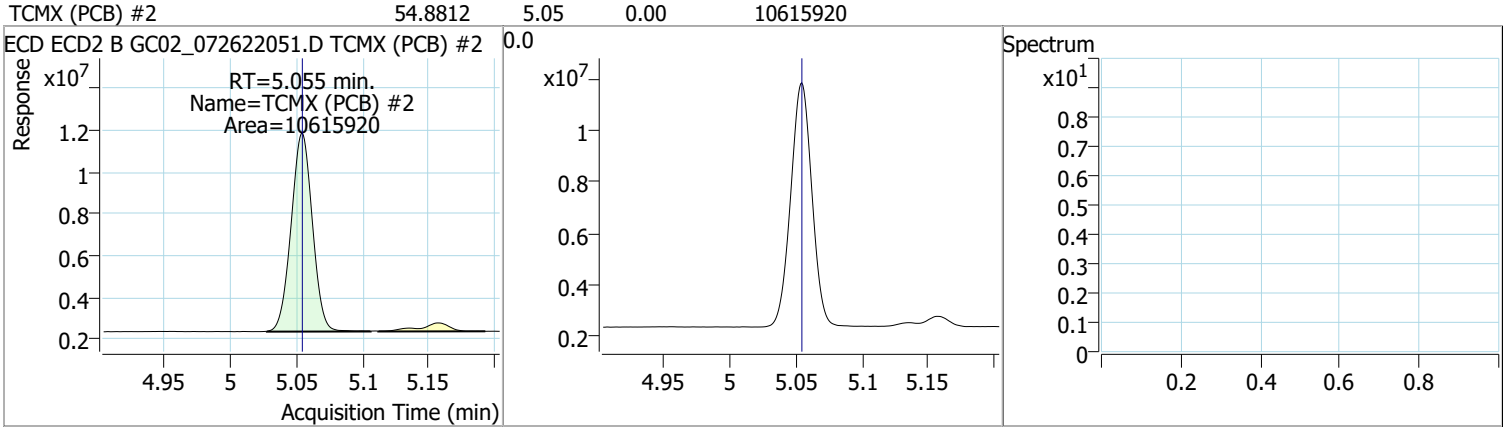
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.074	0.0	78172766.091	1483.0969	ng/ml		100
T AR1016 2	5.396	0.0	154049439.885	1513.8635	ng/ml		100
T AR1016 1 #2	5.515	0.0	5296408.786	1327.8374	ng/ml		100
T AR1016 3	5.831	0.0	253761379.437	1587.8263	ng/ml	m	100
T AR1016 2 #2	5.917	0.0	10788632.606	1318.8752	ng/ml		100
T AR1016 4	5.958	0.0	144104443.223	1541.1718	ng/ml		100
T AR1016 5	6.379	0.0	125102020.862	1527.2830	ng/ml		100
T AR1016 3 #2	6.415	0.0	13706774.651	1352.3846	ng/ml	m	100
T AR1016 4 #2	6.575	0.0	9723725.634	1355.7640	ng/ml		100
T AR1016 5 #2	7.386	0.0	8007410.487	1371.5991	ng/ml		100
T AR1260 1	8.080	0.0	247292143.535	1502.6260	ng/ml		100
T AR1260 2	8.617	0.0	390185428.335	1529.6088	ng/ml		100
T AR1260 3	9.245	0.0	483278847.200	1607.0321	ng/ml		100
T AR1260 1 #2	9.670	0.0	15749584.264	1311.6717	ng/ml		100
T AR1260 4	9.928	0.0	209923006.757	1542.1326	ng/ml		100
T AR1260 2 #2	10.030	0.0	16790908.030	1277.9735	ng/ml		100
T AR1260 3 #2	10.561	0.0	22721665.207	1307.7258	ng/ml		100
T AR1260 5	10.778	0.0	311285770.537	1572.2762	ng/ml		100
T AR1260 4 #2	11.050	0.0	12741022.337	1313.8288	ng/ml		100
T AR1260 5 #2	11.722	0.0	17559055.215	1261.6512	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

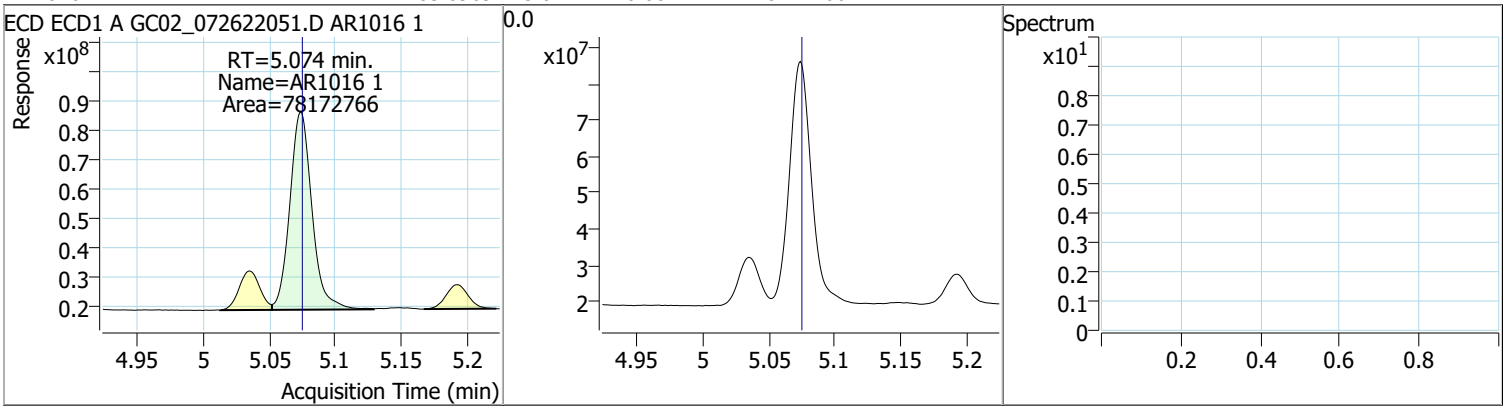
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	62.5567	4.74	0.00	195845110				



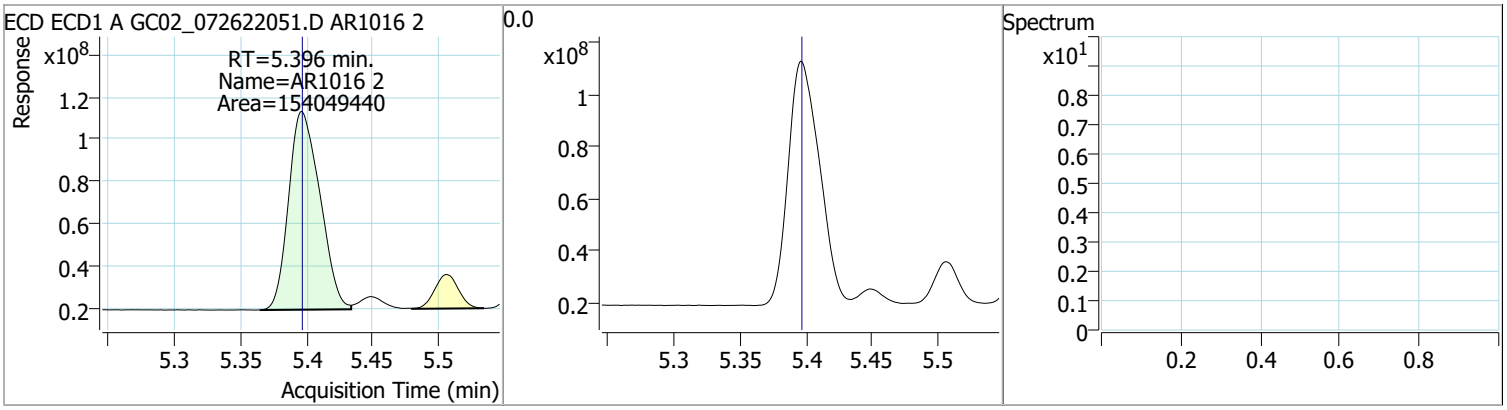
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	54.8812	5.05	0.00	10615920				



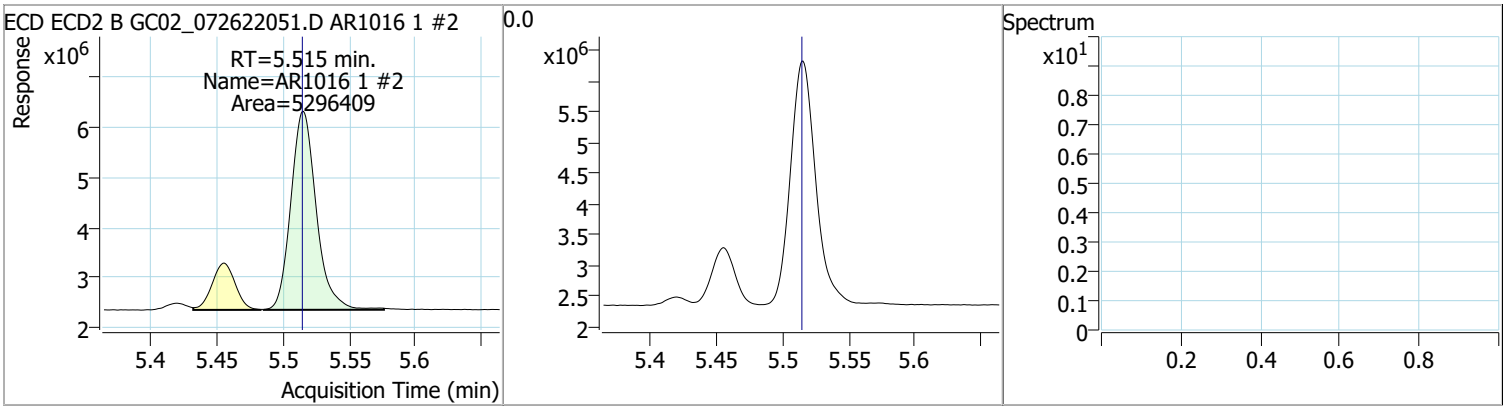
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1483.0969	5.07	0.00	78172766				



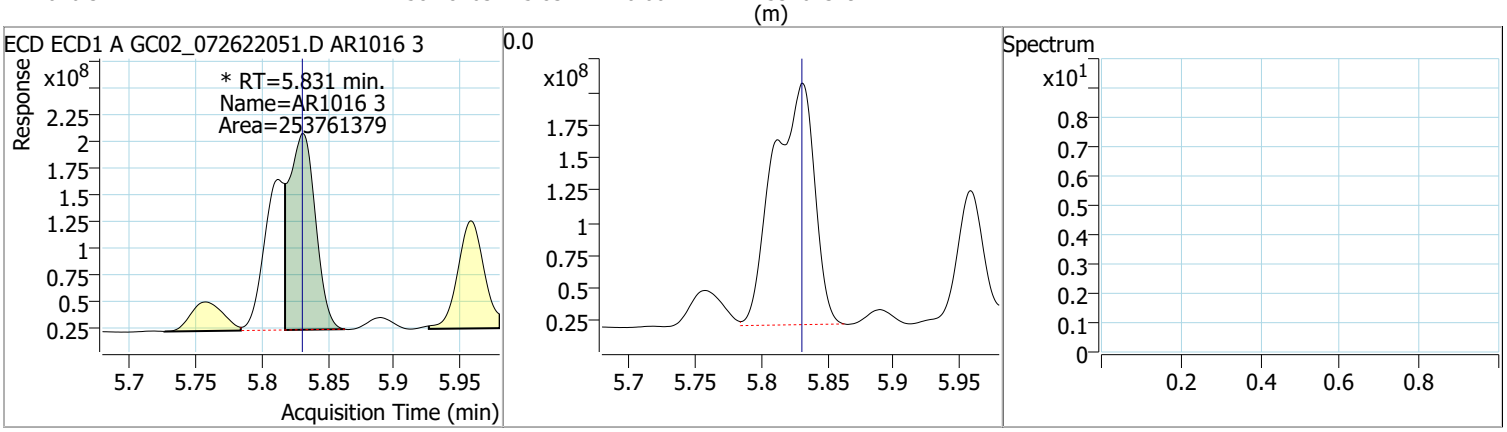
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1513.8635	5.40	0.00	154049440				



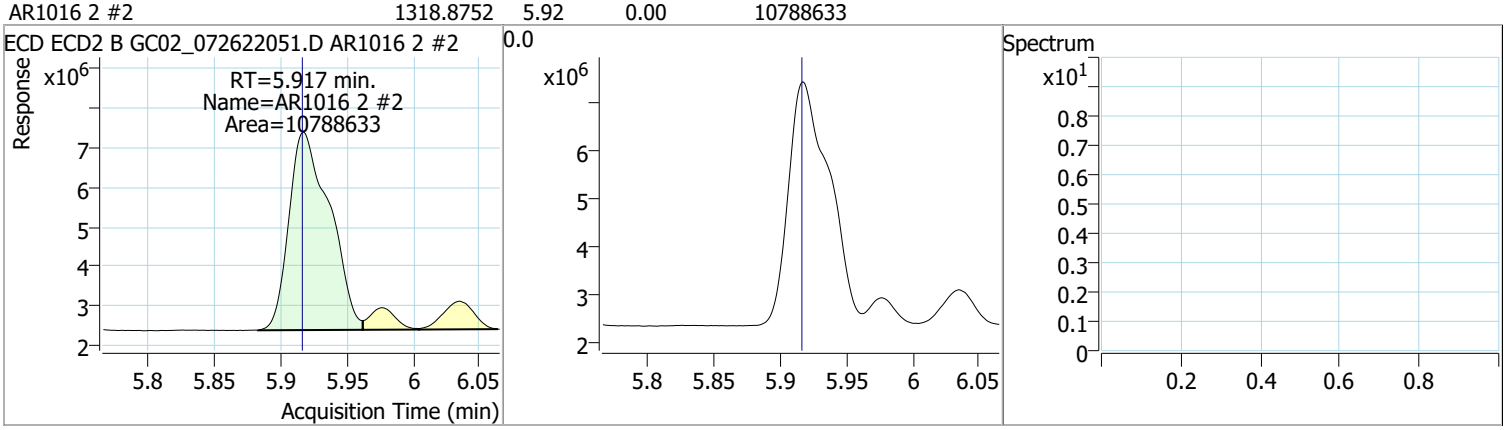
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1327.8374	5.52	0.00	5296409				



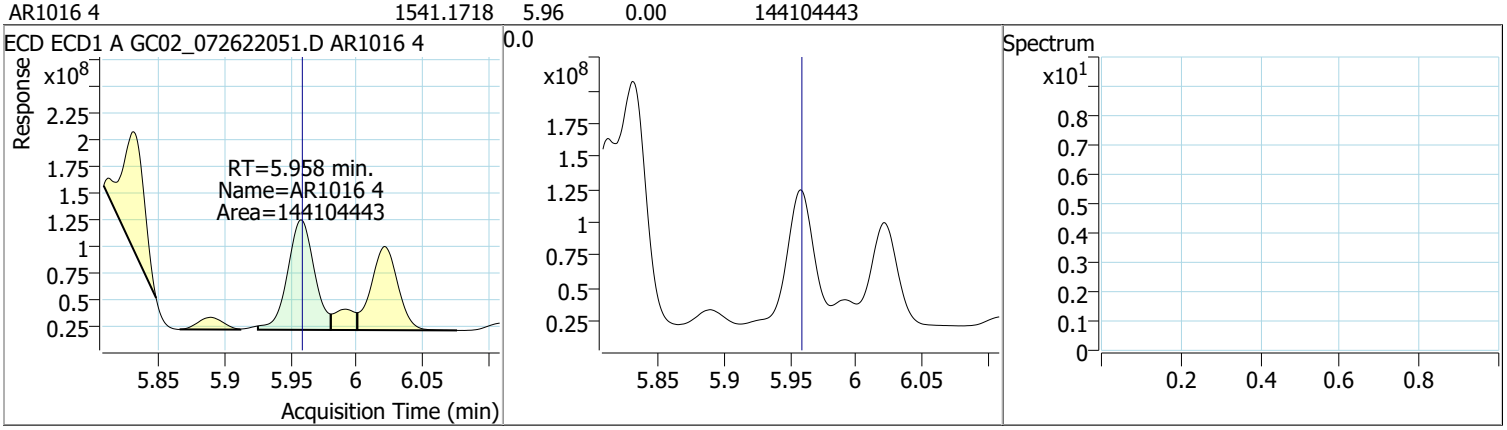
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1587.8263	5.83	0.00	253761379 (m)				



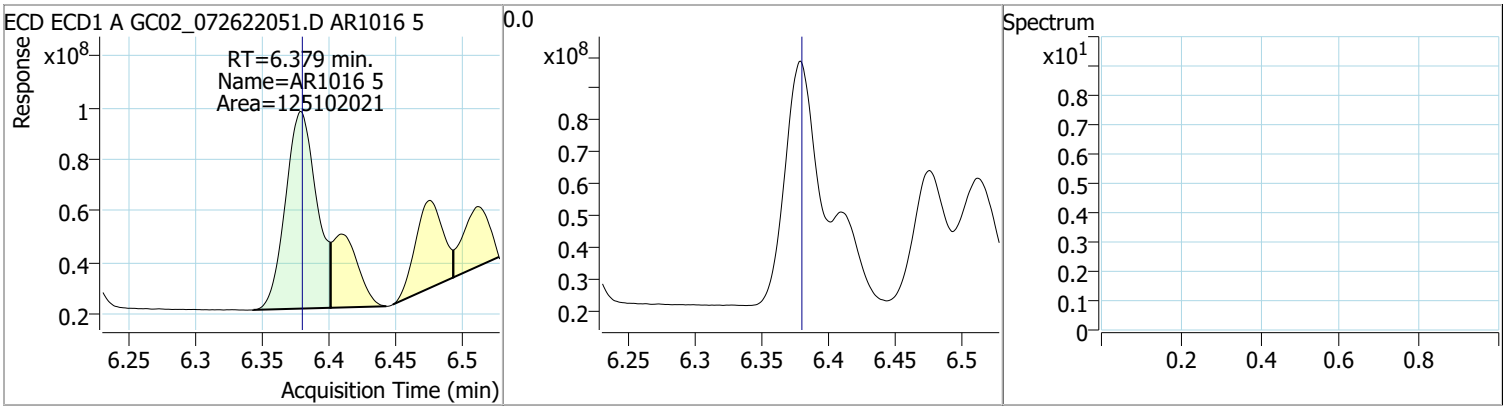
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1318.8752	5.92	0.00	10788633				



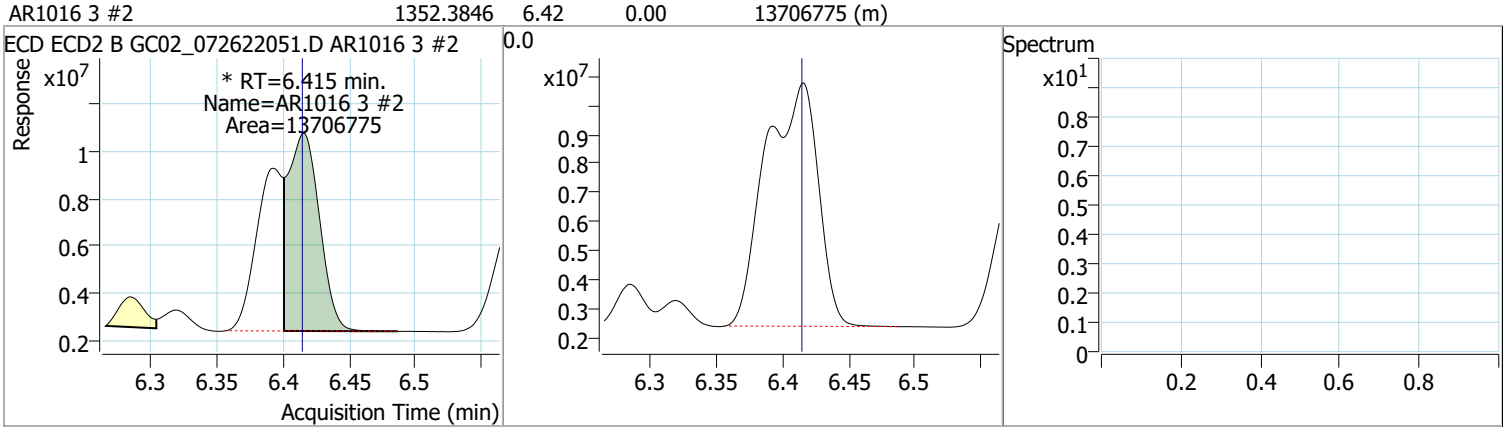
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1541.1718	5.96	0.00	144104443				



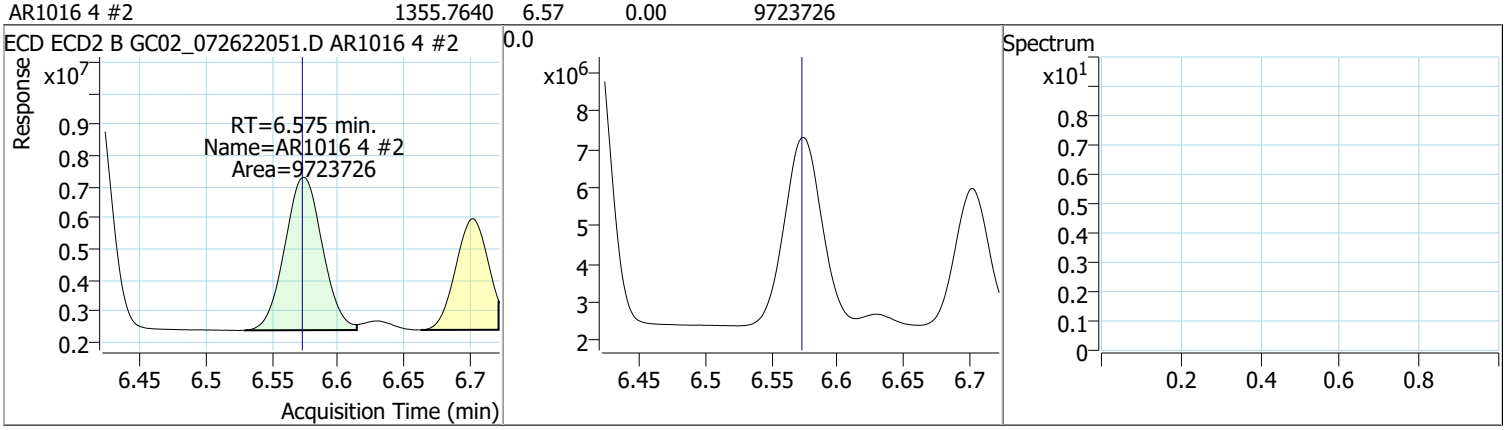
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1527.2830	6.38	0.00	125102021				



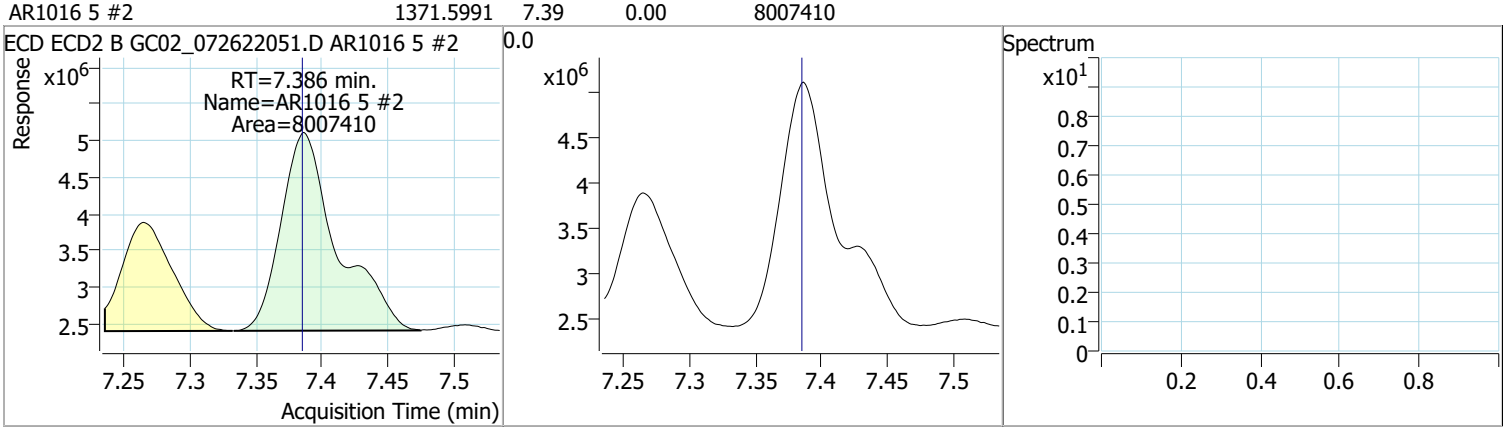
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1352.3846	6.42	0.00	13706775 (m)				



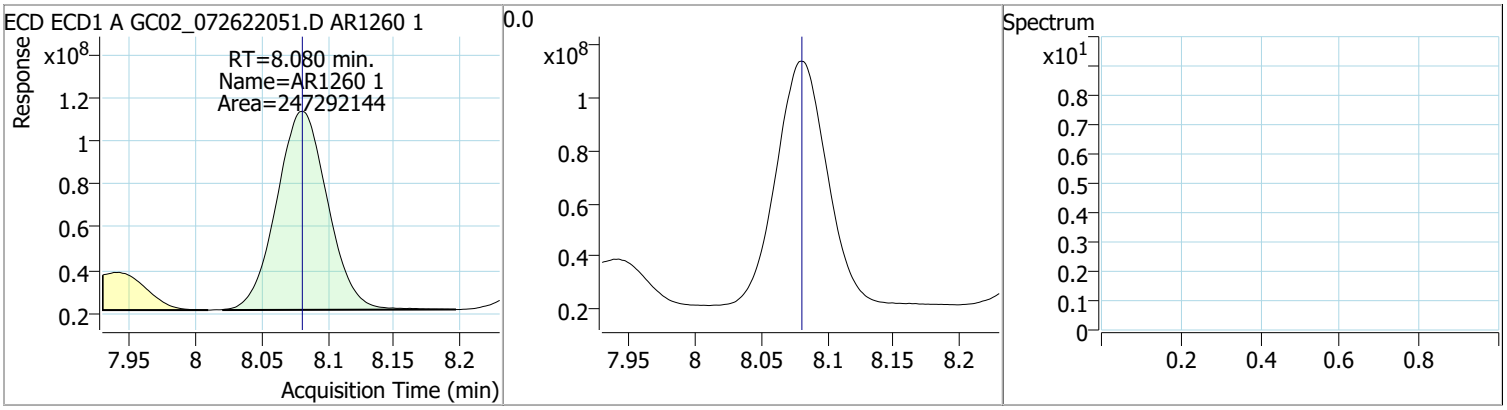
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1355.7640	6.57	0.00	9723726				



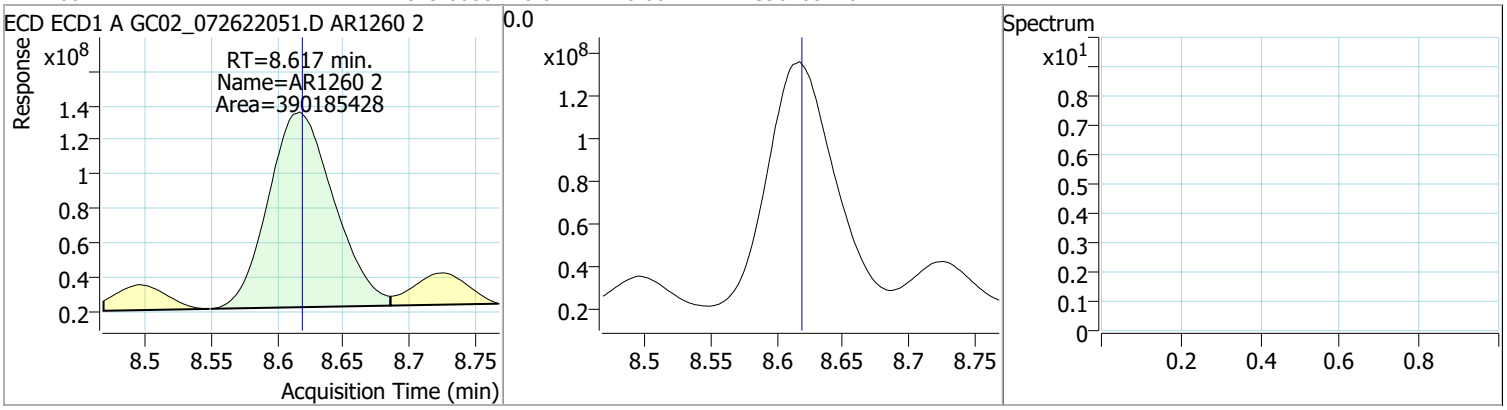
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1371.5991	7.39	0.00	8007410				



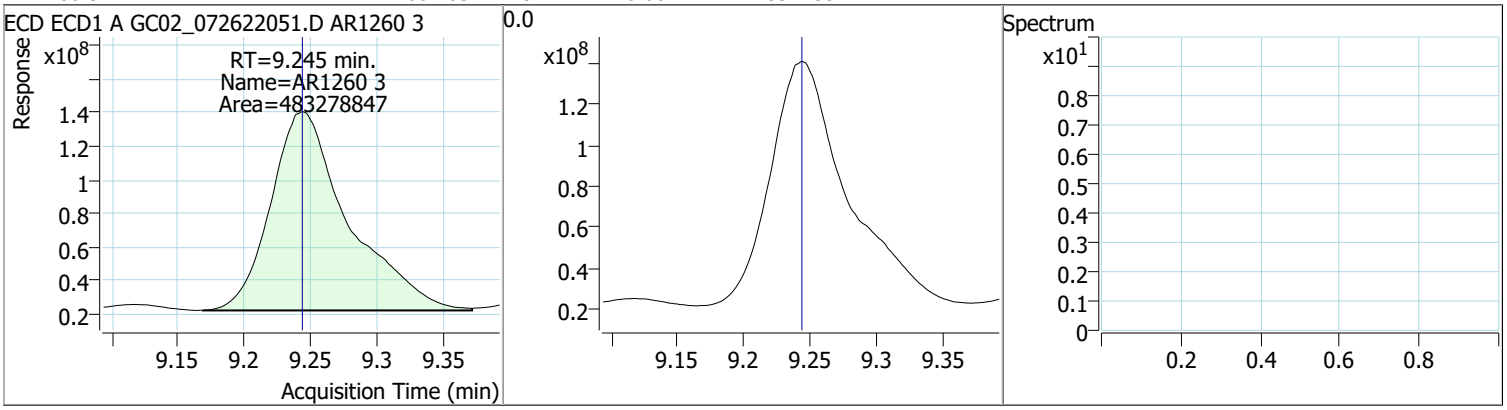
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1502.6260	8.08	0.00	247292144				



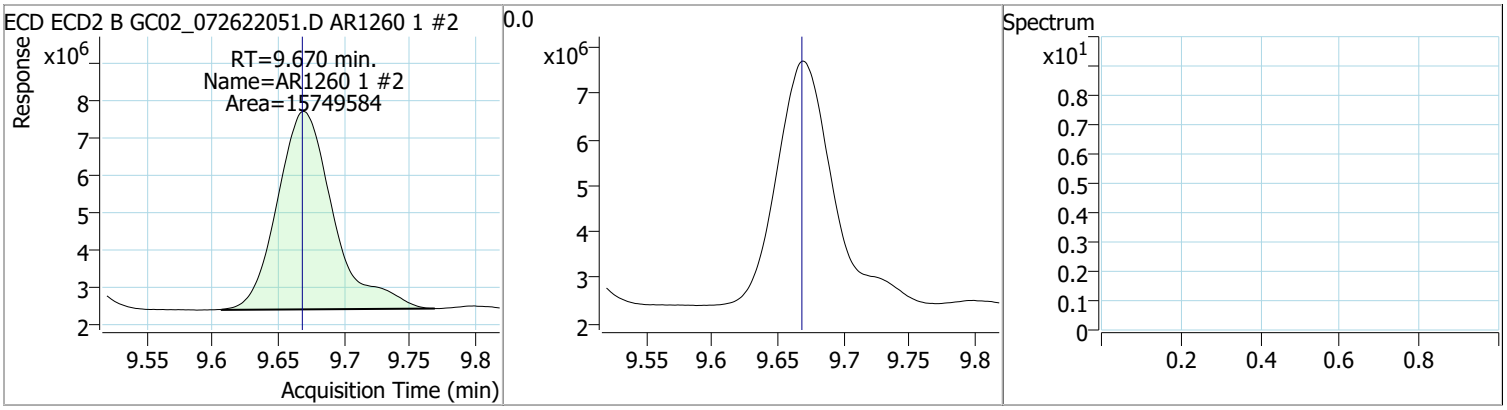
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1529.6088	8.62	0.00	390185428				



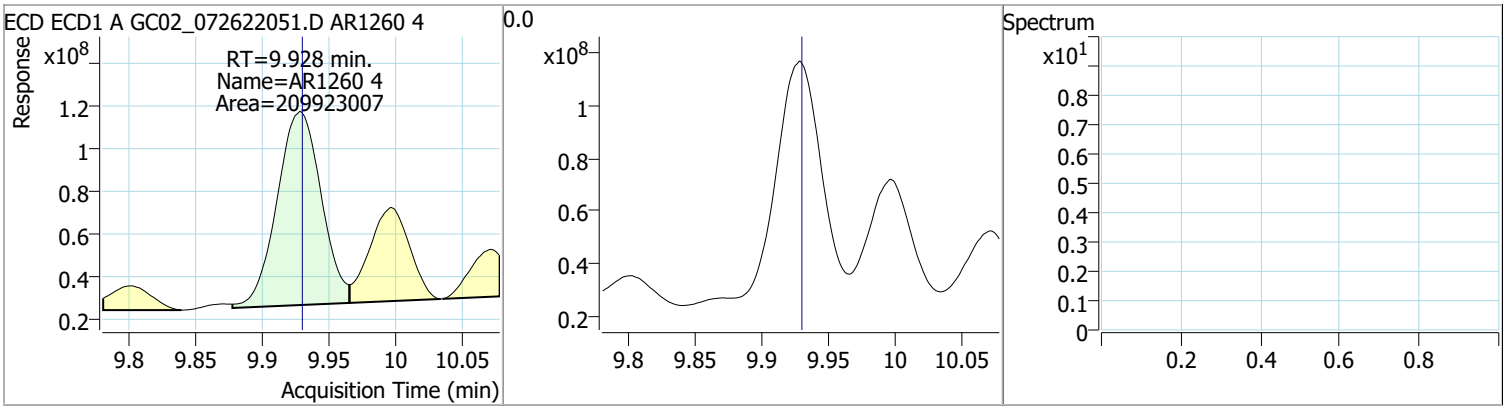
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1607.0321	9.24	0.00	483278847				



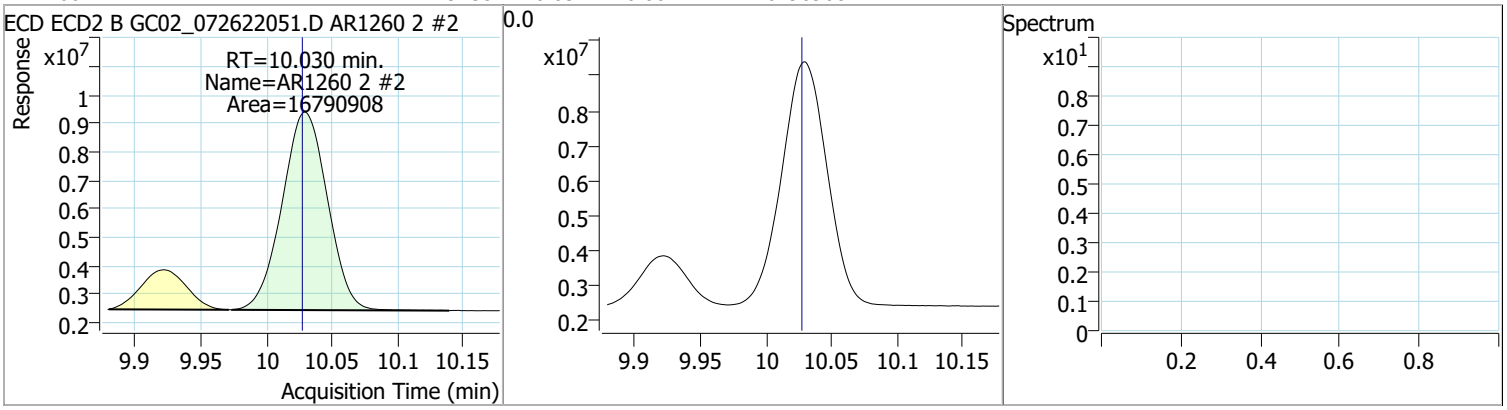
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1311.6717	9.67	0.00	15749584				



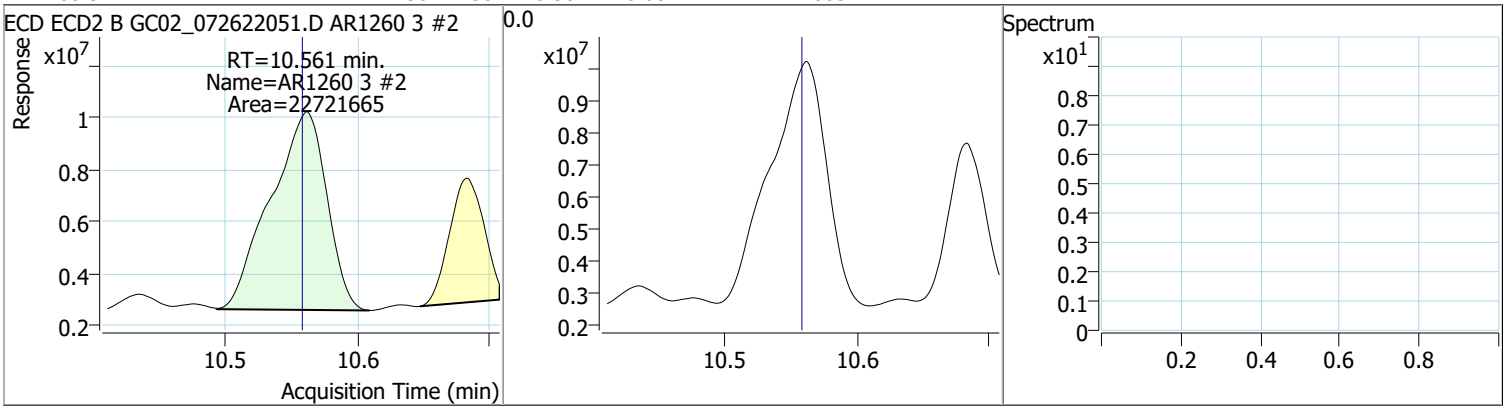
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1542.1326	9.93	0.00	209923007				



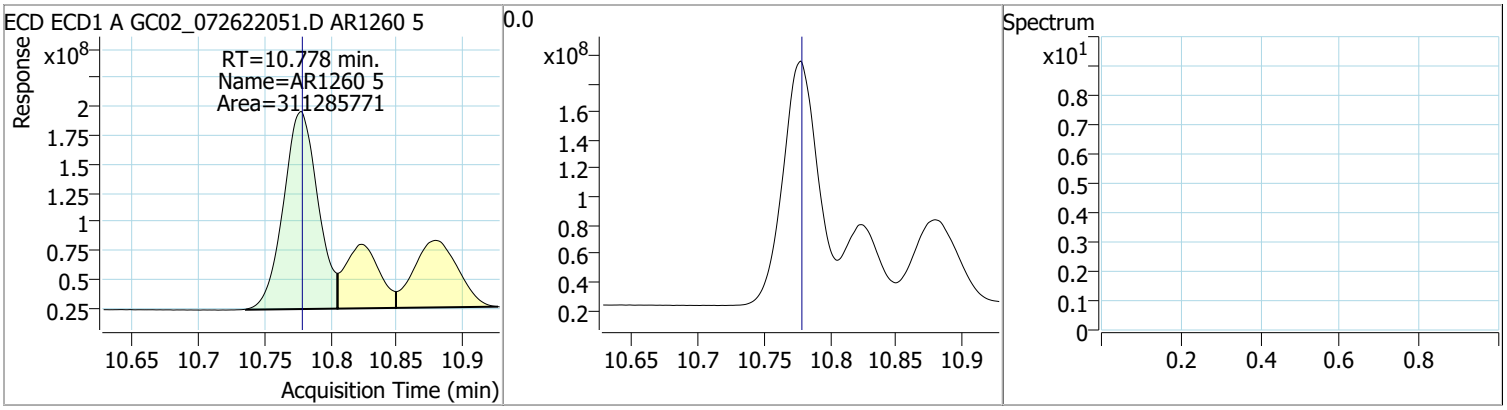
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1277.9735	10.03	0.00	16790908				



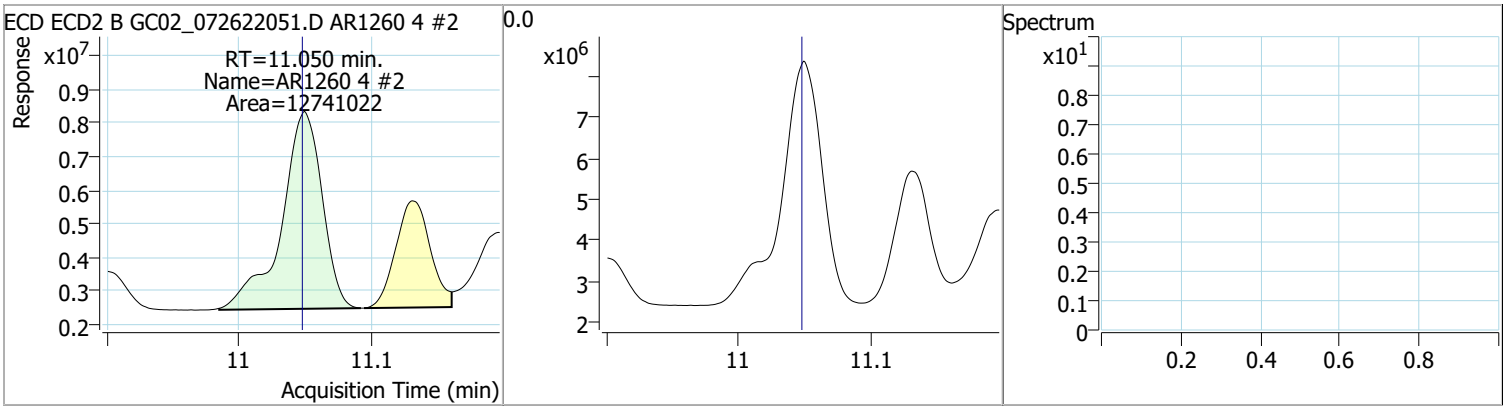
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1307.7258	10.56	0.00	22721665				



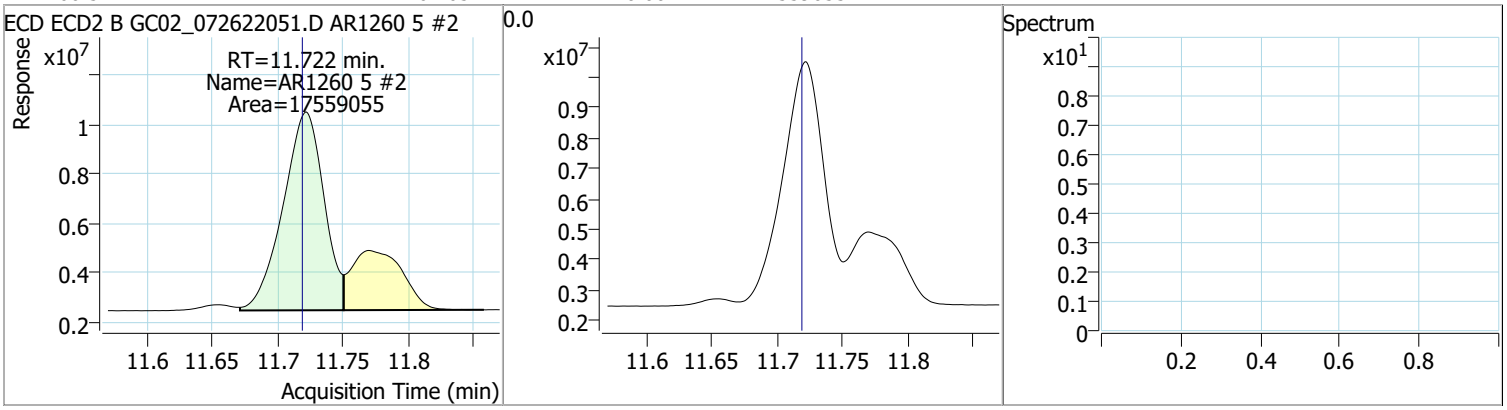
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1572.2762	10.78	0.00	311285771				



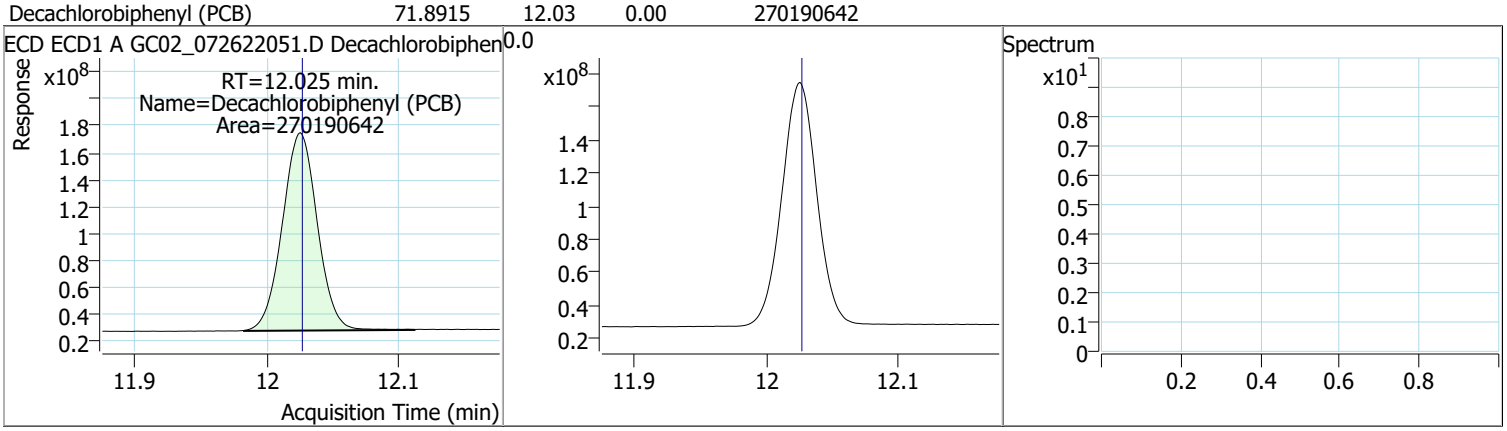
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1313.8288	11.05	0.00	12741022				



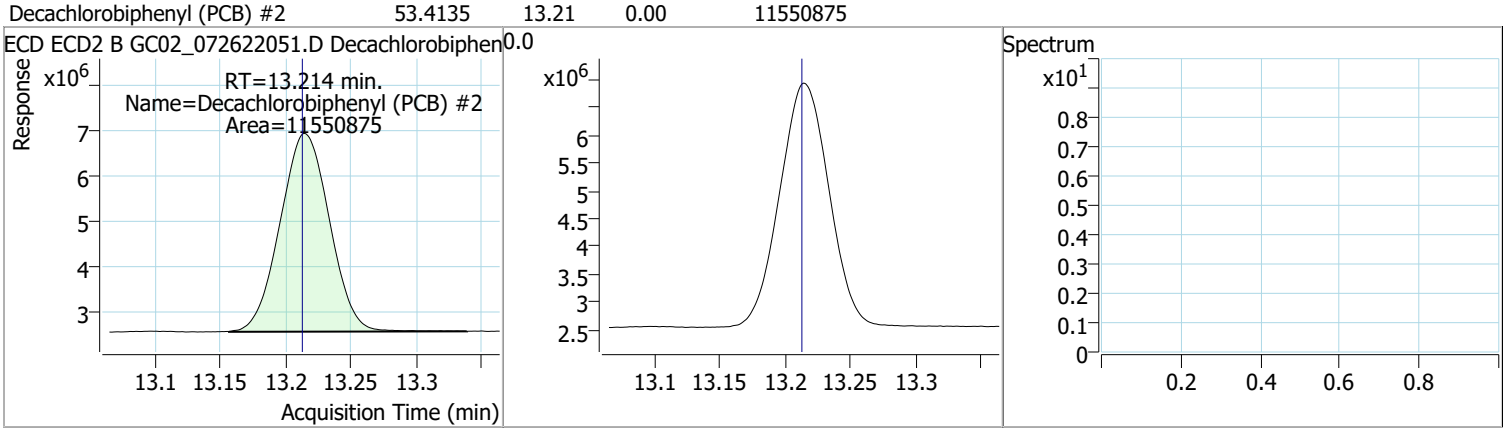
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1261.6512	11.72	0.00	17559055				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	71.8915	12.03	0.00	270190642				

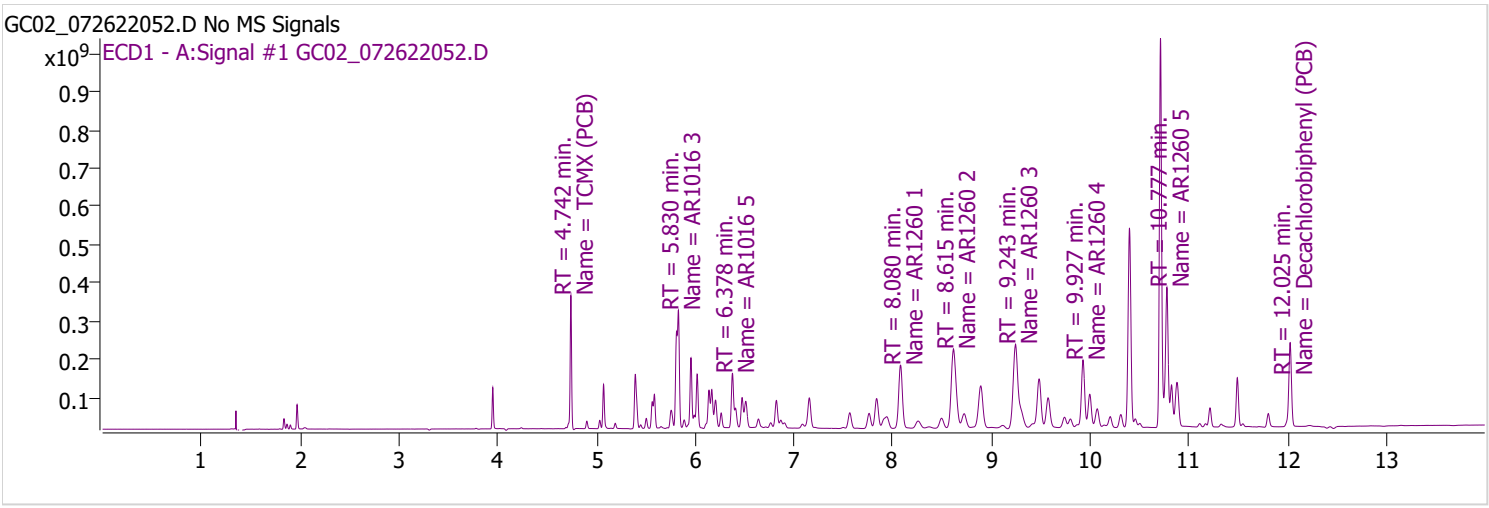


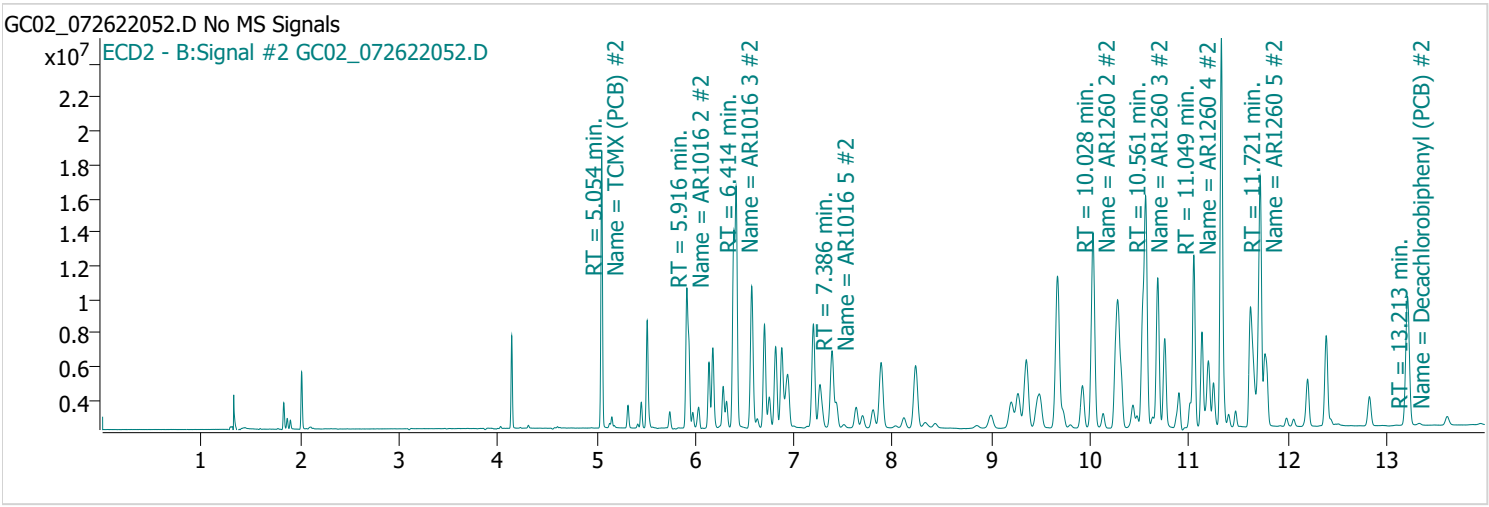
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	53.4135	13.21	0.00	11550875				



Quantitation Results Report (Not Reviewed)

Data File	GC02_072622052.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	7/27/2022 10:25:42 AM
Sample Name	ICAL, S17023, 1, S17010, 250	Instrument	SVOA-GC02
Vial	89	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_1.m	Comment	2000PPB PCB ICAL 9
Tune File	ATUNE.U	Tune Date	
Batch Name	072622PCBICAL.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



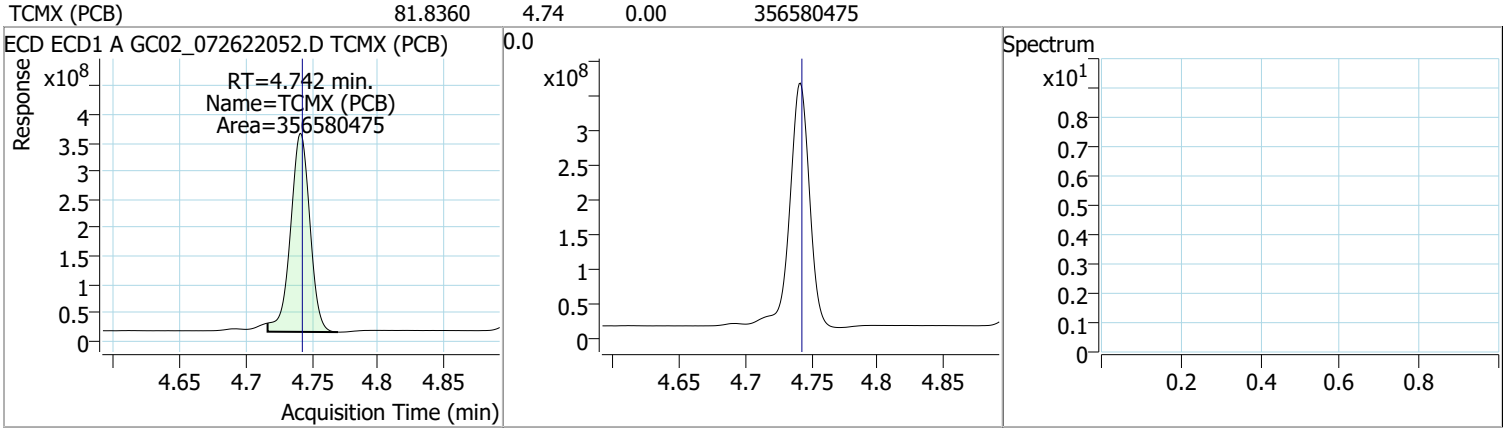


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.951	0.0	111756330.746	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.143	0.0	5161707.323	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.742	0.0	356580475.074	81.8360	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 409.18%		*	
S TCMX (PCB) #2	5.054	0.0	18271862.654	77.4716	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 387.36%		*	
S Decachlorobiphenyl (PCB)	12.025	0.0	422404121.991	80.7535	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 403.77%		*	
S Decachlorobiphenyl (PCB) #2	13.213	0.0	20282715.602	76.9230	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 384.62%		*	
Target Compounds							QValue

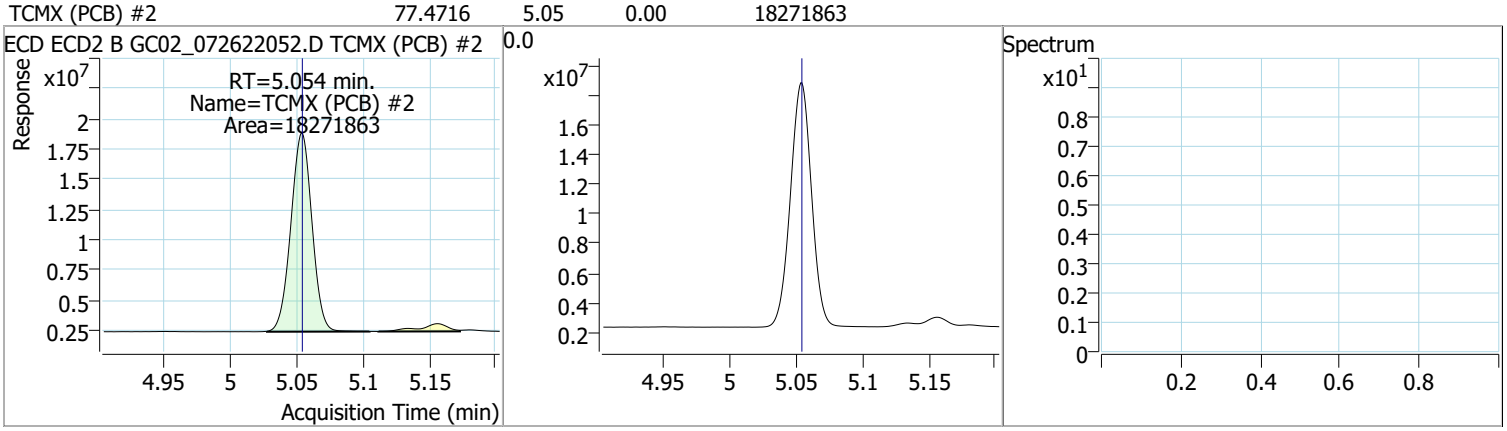
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.073	0.0	131725742.685	1795.6030	ng/ml		100
T AR1016 2	5.394	0.0	224695093.485	1586.5209	ng/ml		100
T AR1016 1 #2	5.514	0.0	8700999.078	1789.0665	ng/ml		100
T AR1016 3	5.830	0.0	416573633.298	1872.8149	ng/ml	m	100
T AR1016 2 #2	5.916	0.0	18131001.782	1817.8291	ng/ml		100
T AR1016 4	5.958	0.0	250699052.612	1926.4244	ng/ml		100
T AR1016 5	6.378	0.0	225365302.392	1976.8233	ng/ml		100
T AR1016 3 #2	6.414	0.0	23023281.111	1863.0570	ng/ml	m	100
T AR1016 4 #2	6.573	0.0	16263175.309	1859.7334	ng/ml		100
T AR1016 5 #2	7.386	0.0	13674243.248	1921.0222	ng/ml		100
T AR1260 1	8.080	0.0	438358776.037	1913.7971	ng/ml		100
T AR1260 2	8.615	0.0	699719946.213	1970.8755	ng/ml		100
T AR1260 3	9.243	0.0	860168389.199	2055.1137	ng/ml		100
T AR1260 1 #2	9.668	0.0	26968994.041	1842.1066	ng/ml		100
T AR1260 4	9.927	0.0	377322227.972	1991.5888	ng/ml		100
T AR1260 2 #2	10.028	0.0	27808241.775	1735.8619	ng/ml		100
T AR1260 3 #2	10.561	0.0	39387329.611	1859.2040	ng/ml		100
T AR1260 5	10.777	0.0	716985656.590	2601.9901	ng/ml		100
T AR1260 4 #2	11.049	0.0	21263547.230	1798.3085	ng/ml		100
T AR1260 5 #2	11.721	0.0	33322872.375	1963.6973	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

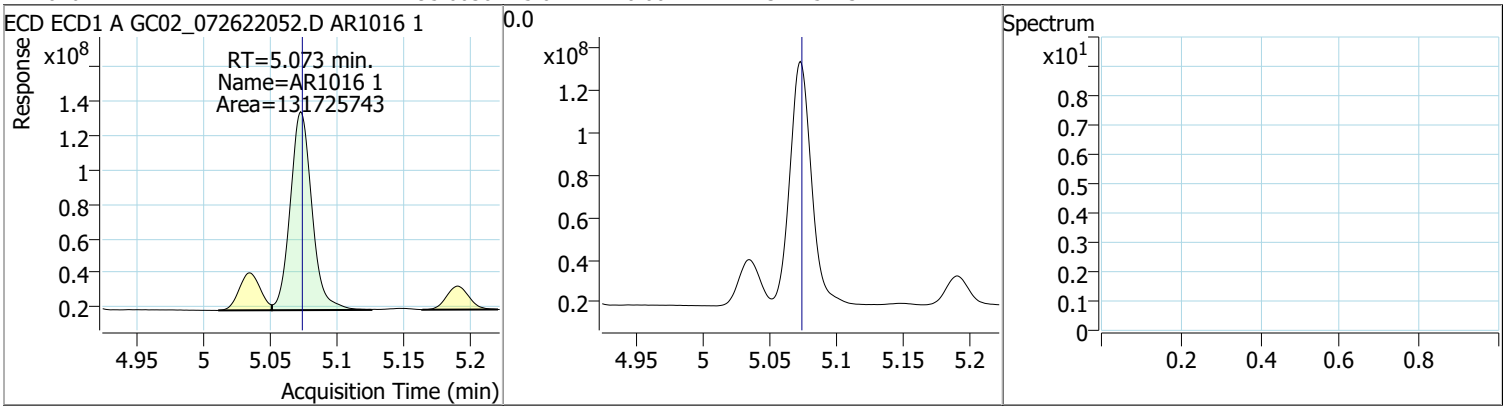
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	81.8360	4.74	0.00	356580475				



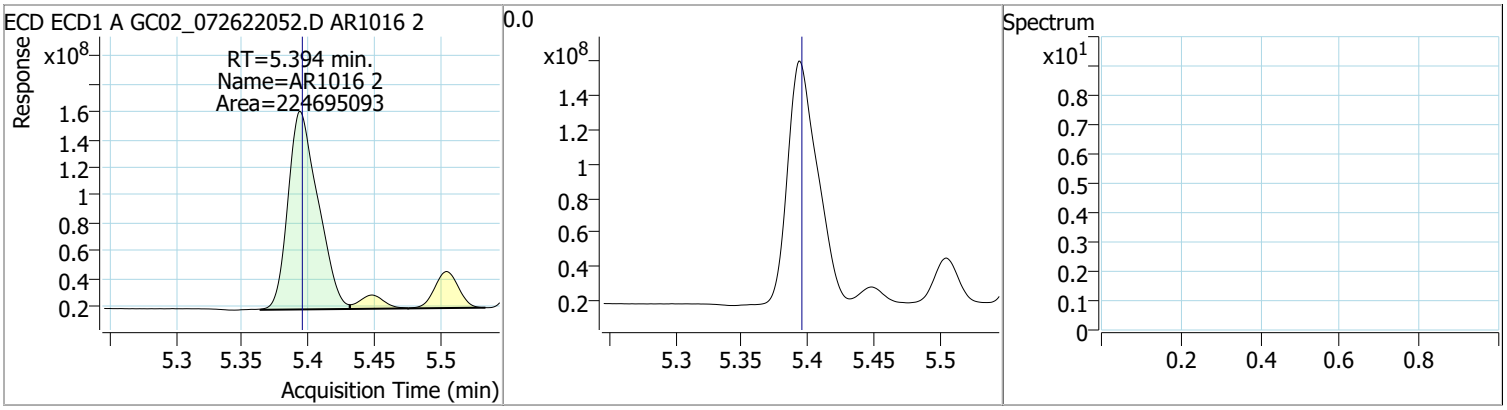
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	77.4716	5.05	0.00	18271863				



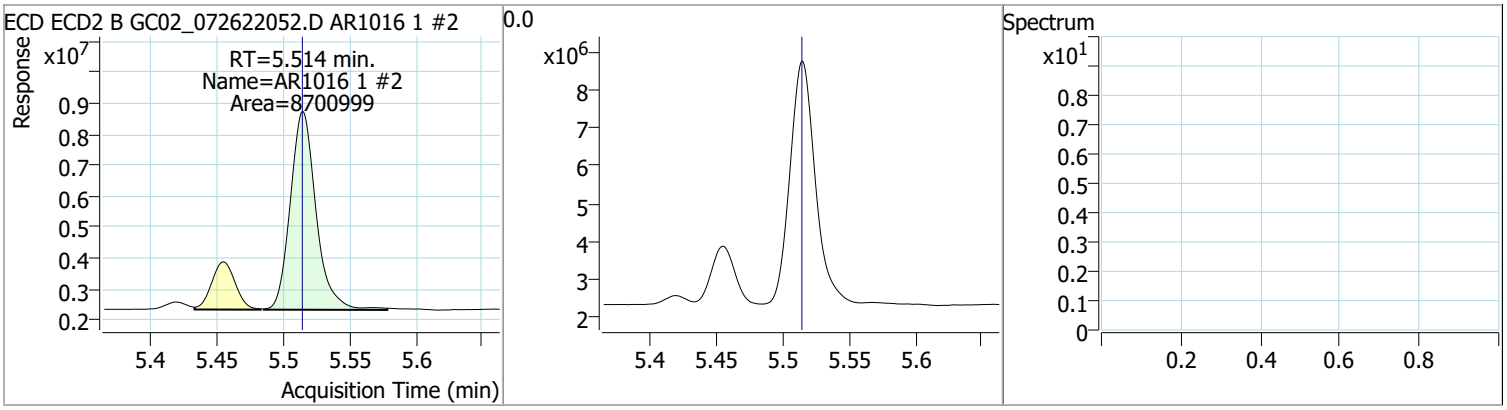
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1795.6030	5.07	0.00	131725743				



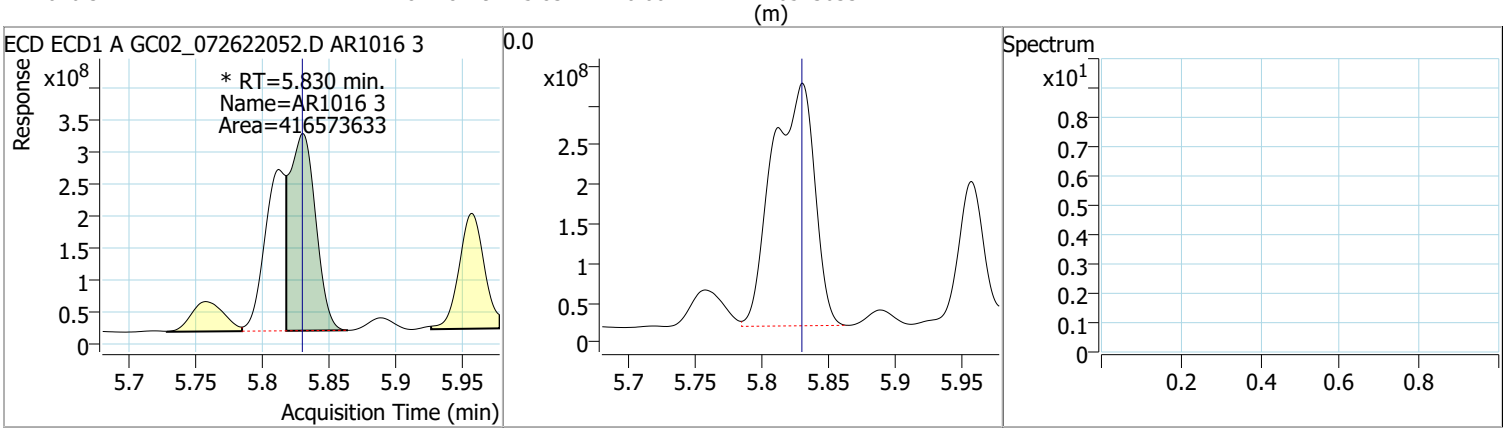
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1586.5209	5.39	0.00	224695093				



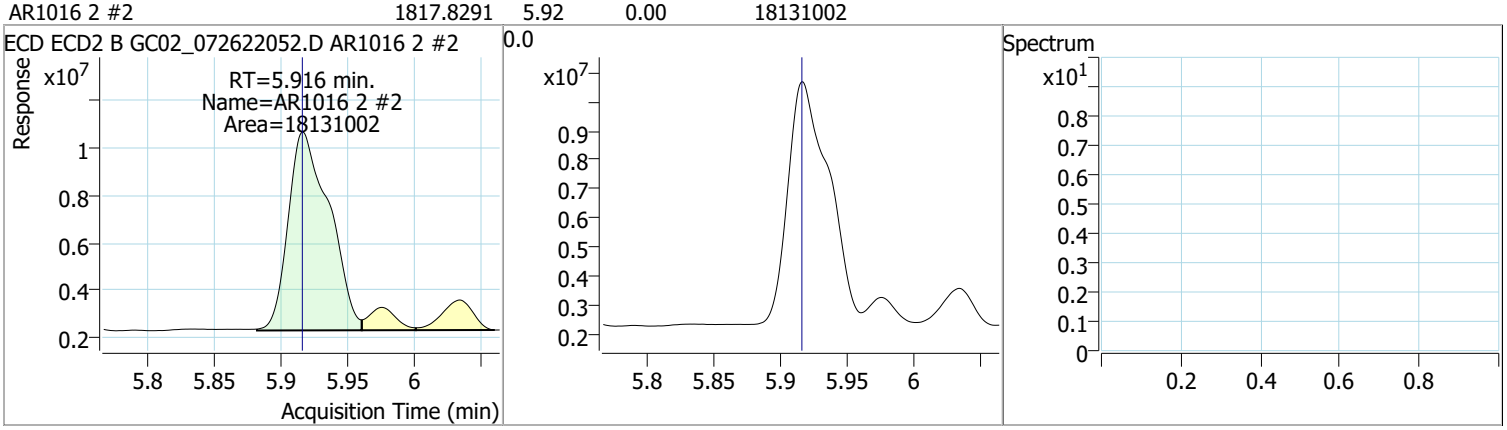
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1789.0665	5.51	0.00	8700999				



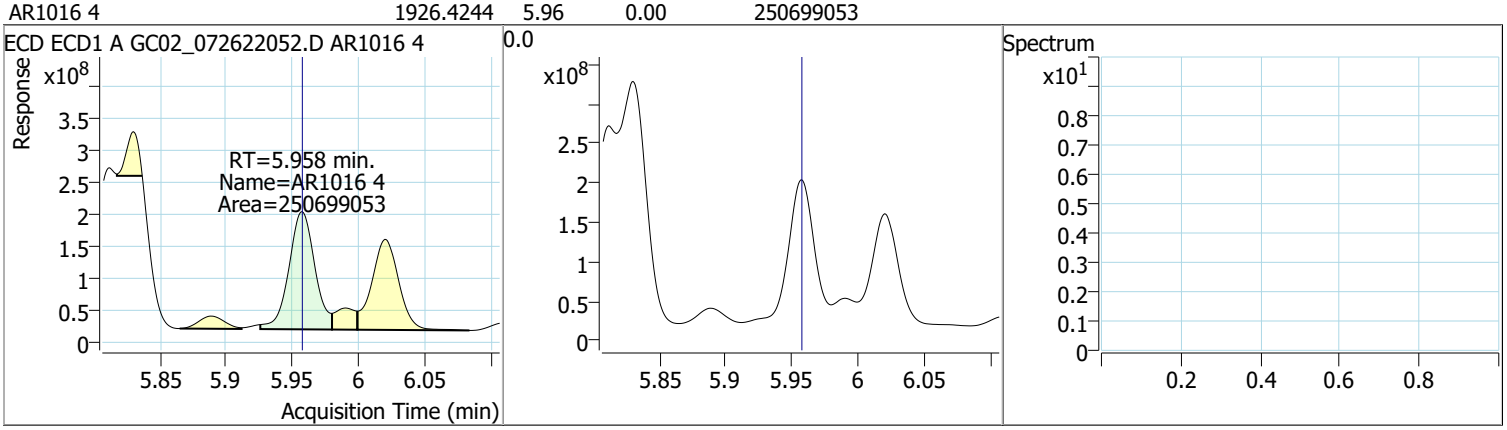
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1872.8149	5.83	0.00	416573633 (m)				



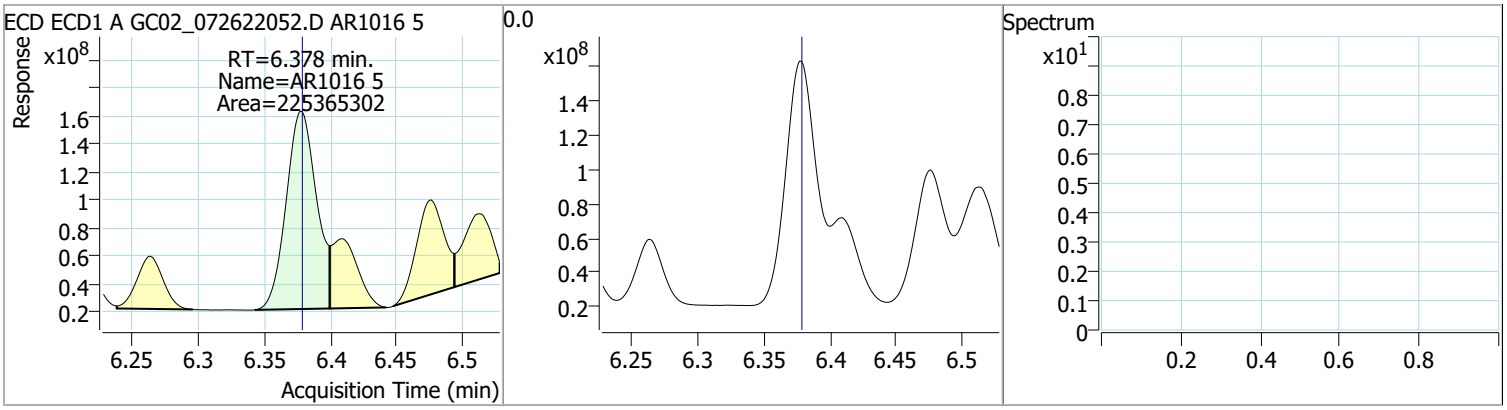
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1817.8291	5.92	0.00	18131002				



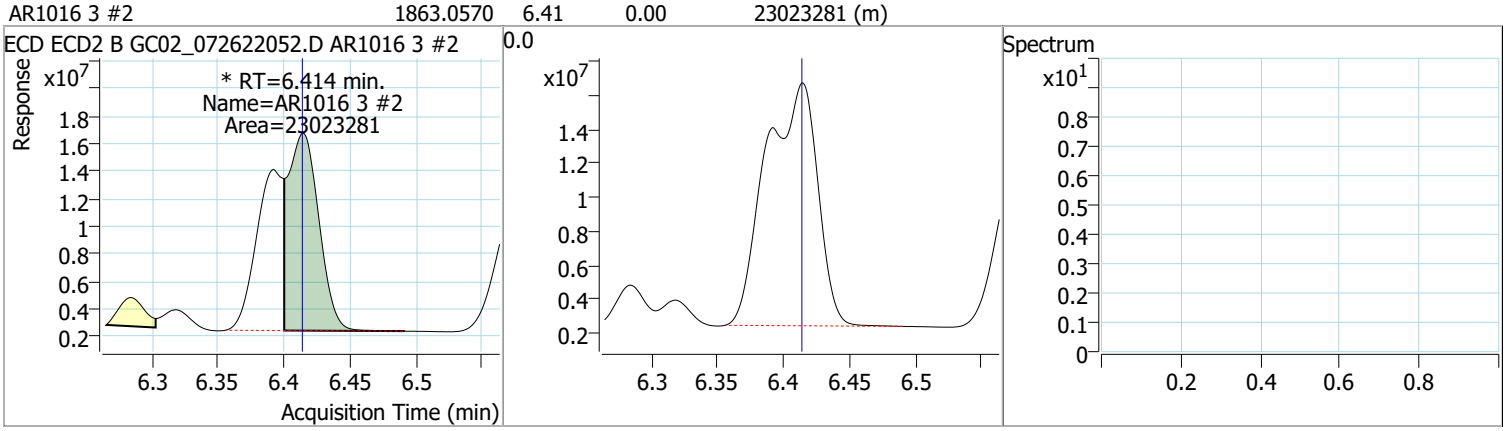
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1926.4244	5.96	0.00	250699053				



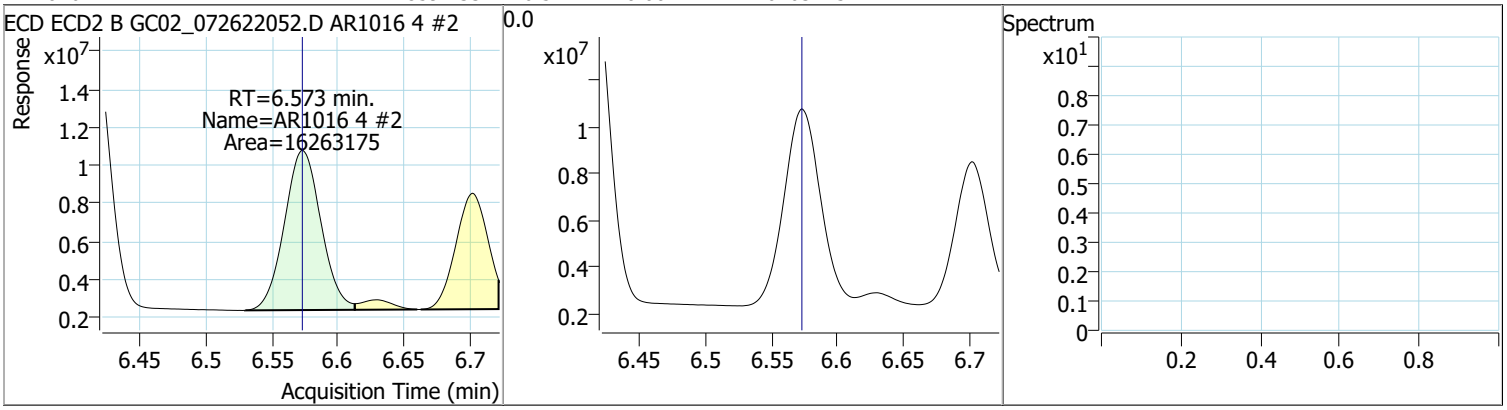
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1976.8233	6.38	0.00	225365302				



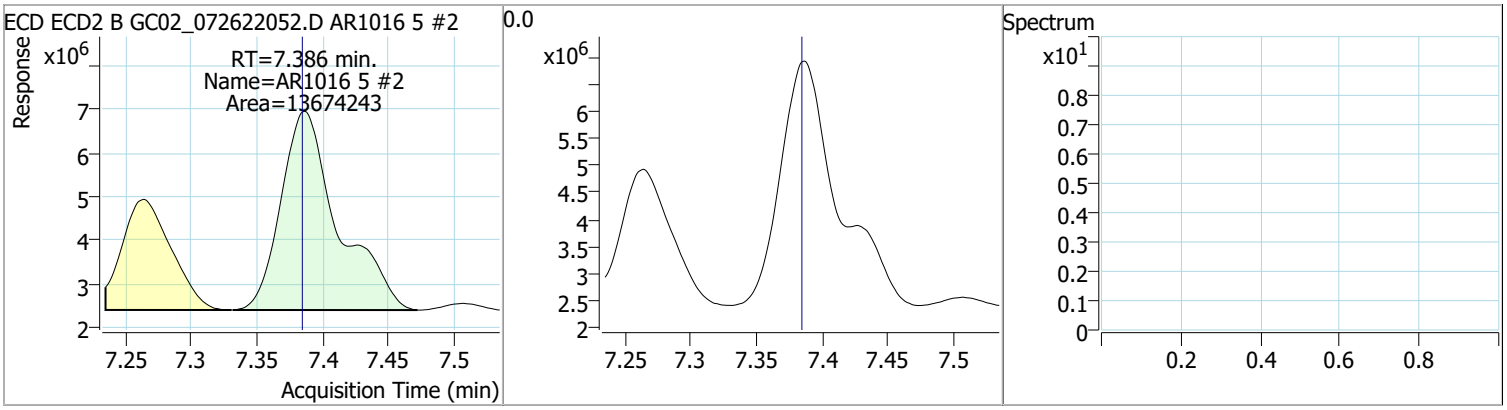
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1863.0570	6.41	0.00	23023281 (m)				



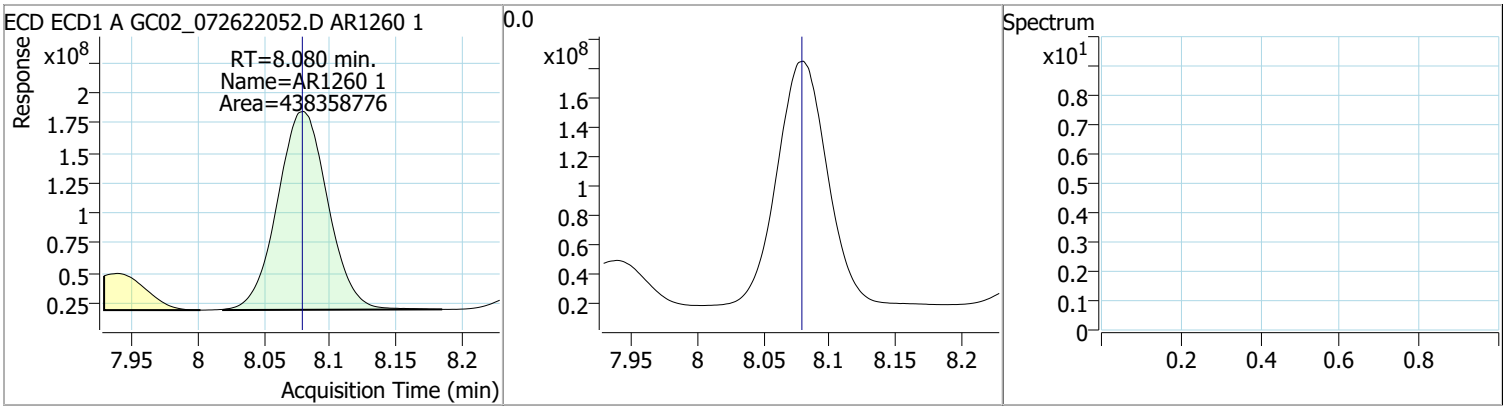
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1859.7334	6.57	0.00	16263175				



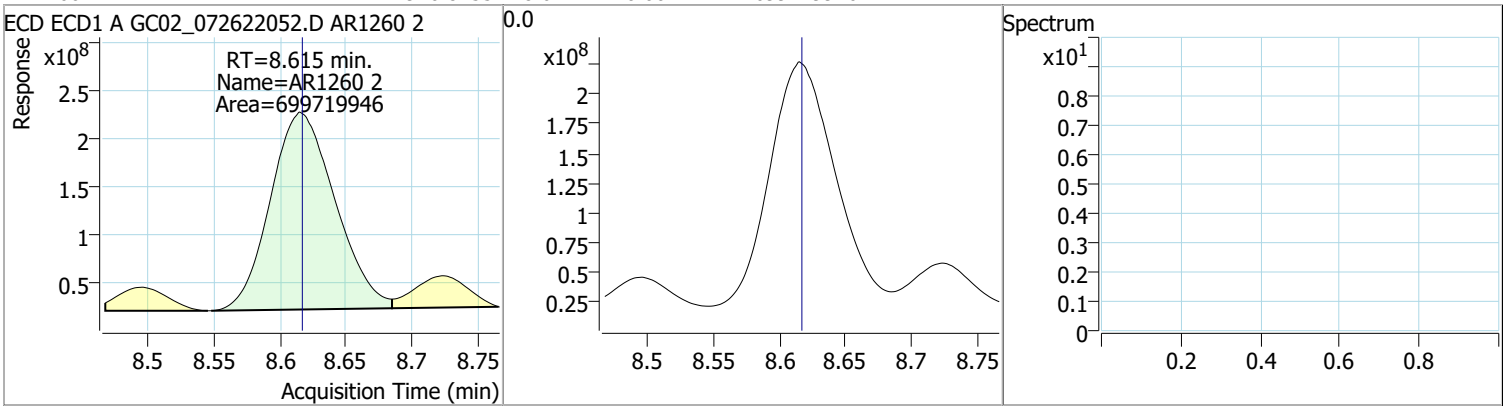
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1921.0222	7.39	0.00	13674243				



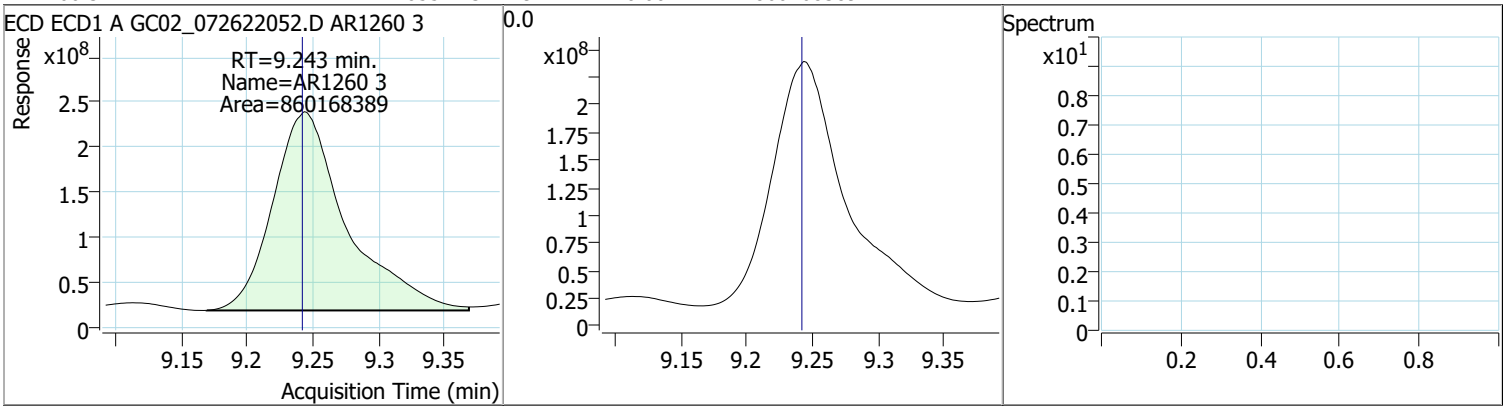
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1913.7971	8.08	0.00	438358776				



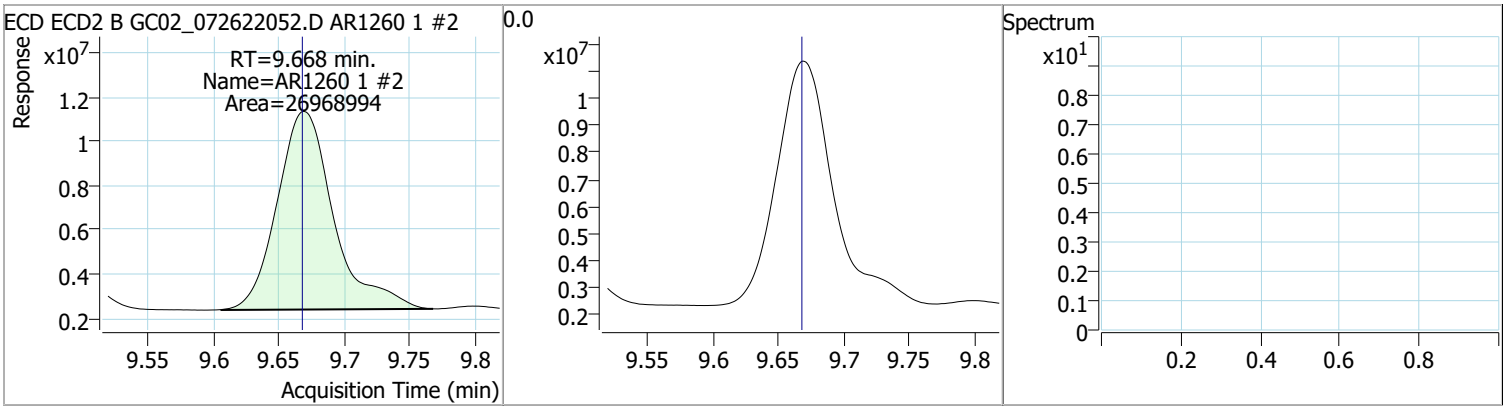
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1970.8755	8.62	0.00	699719946				



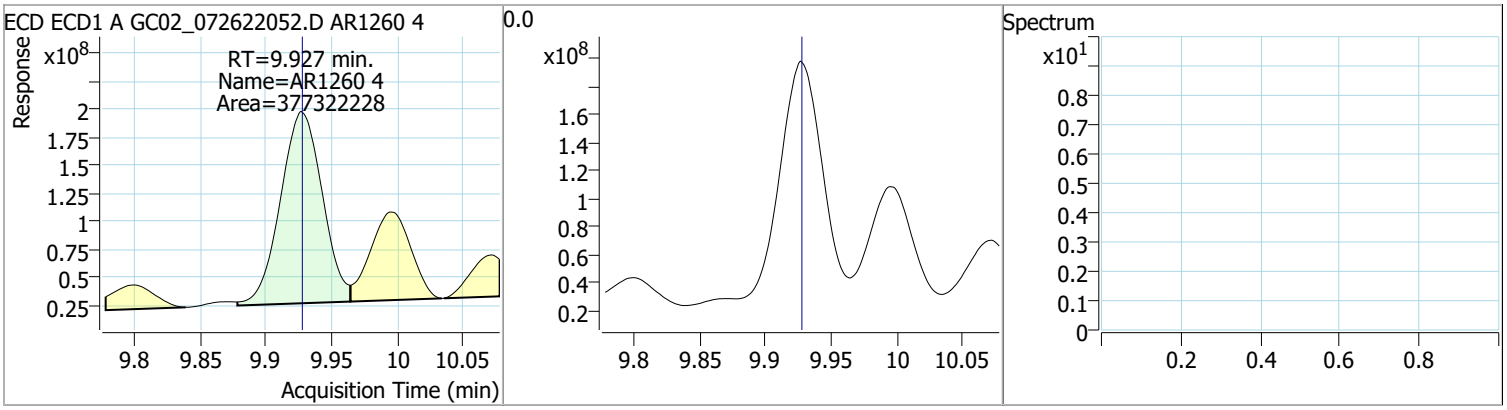
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	2055.1137	9.24	0.00	860168389				



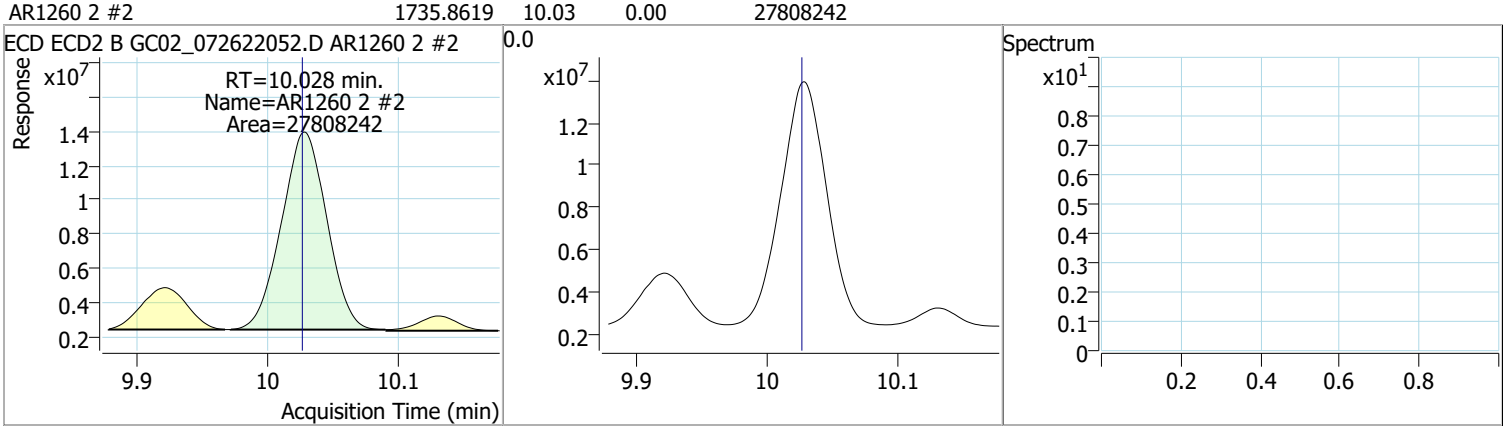
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1842.1066	9.67	0.00	26968994				



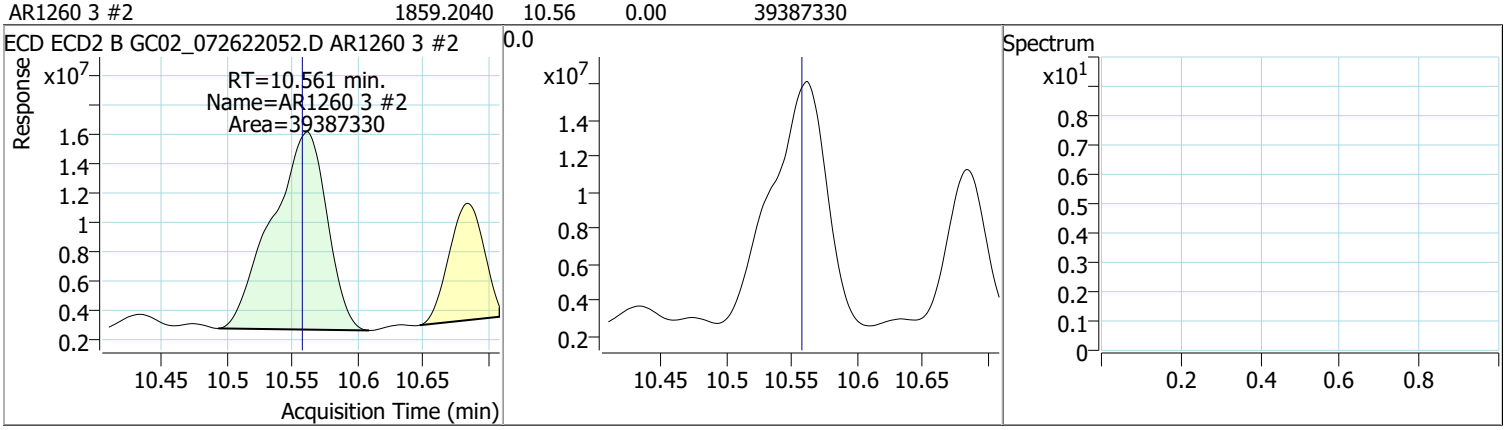
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1991.5888	9.93	0.00	377322228				



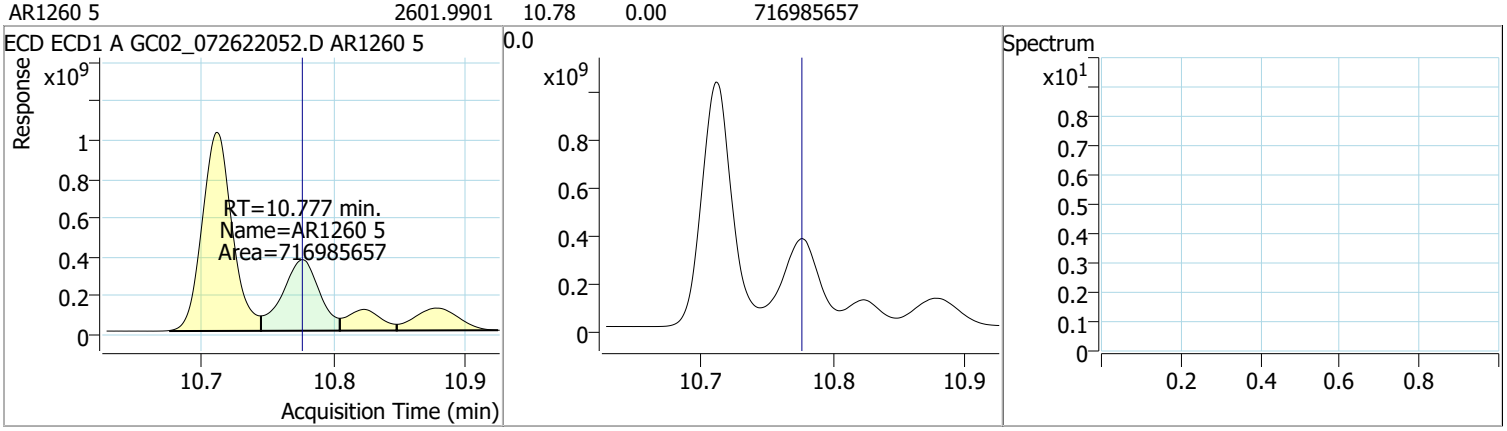
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1735.8619	10.03	0.00	27808242				



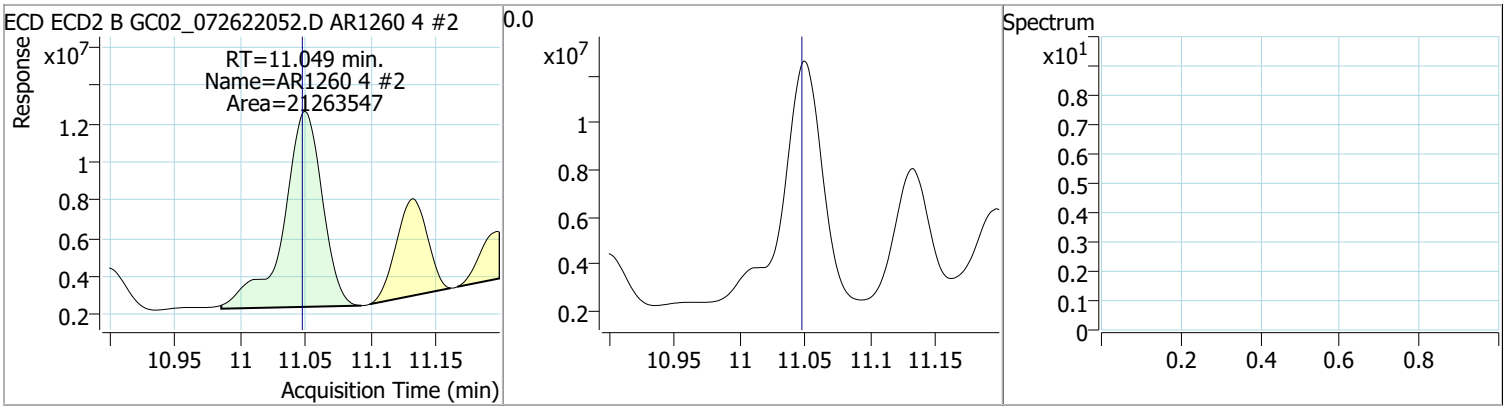
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1859.2040	10.56	0.00	39387330				



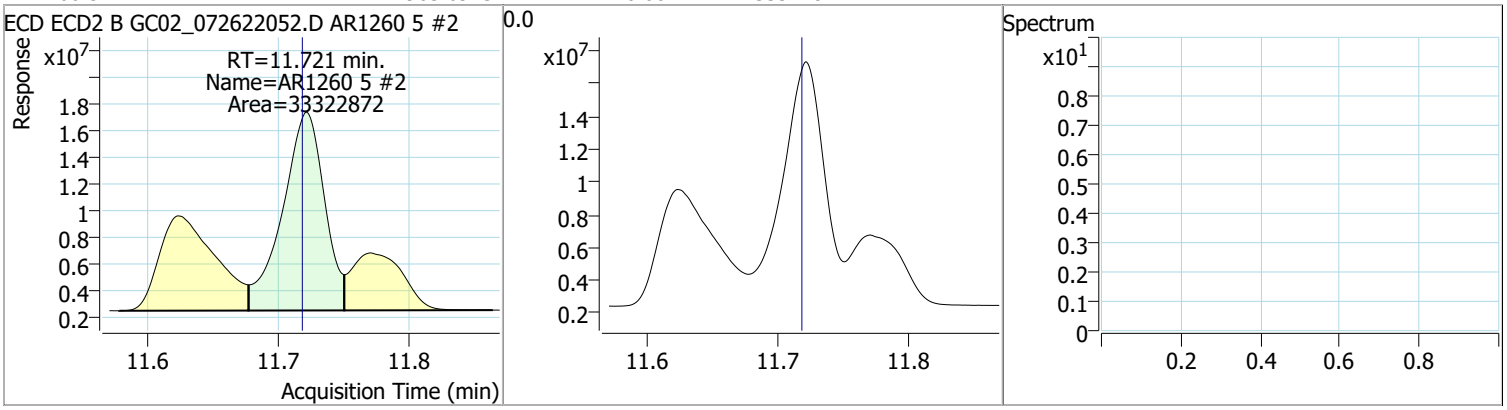
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	2601.9901	10.78	0.00	716985657				



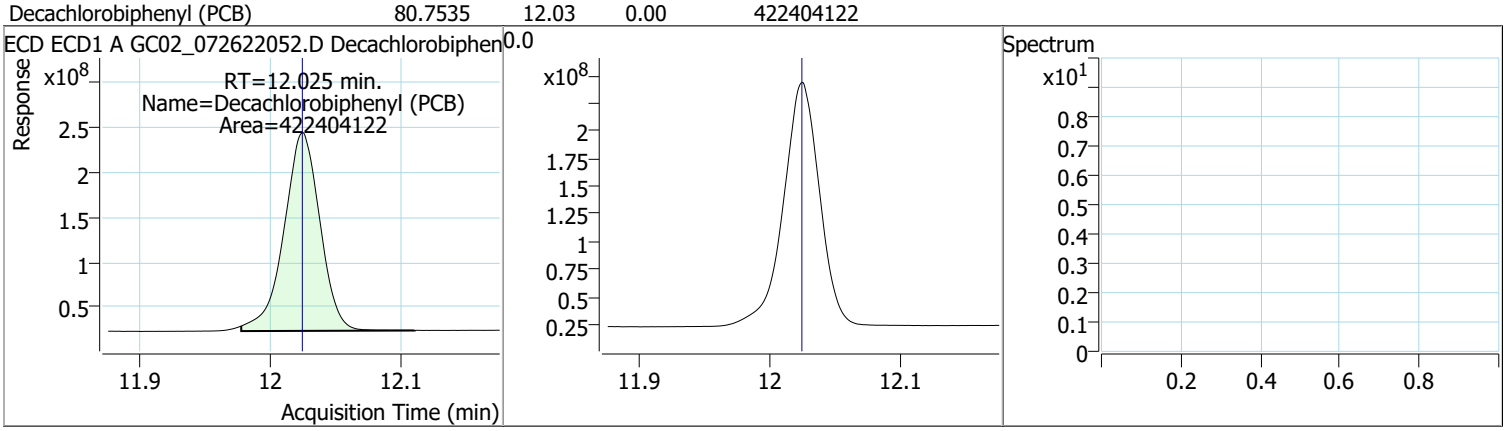
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1798.3085	11.05	0.00	21263547				



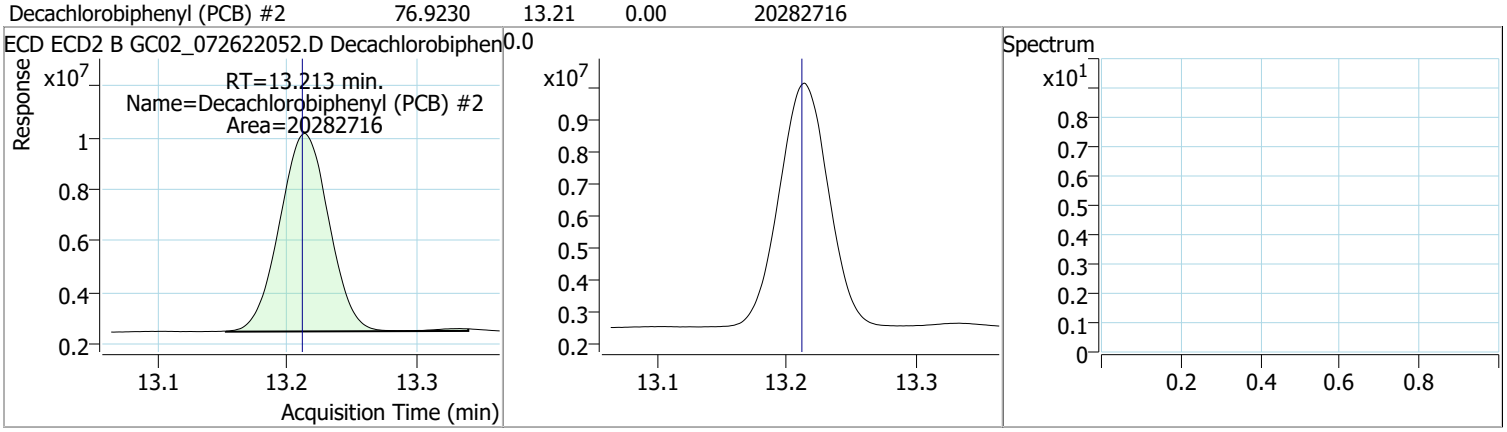
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1963.6973	11.72	0.00	33322872				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	80.7535	12.03	0.00	422404122				

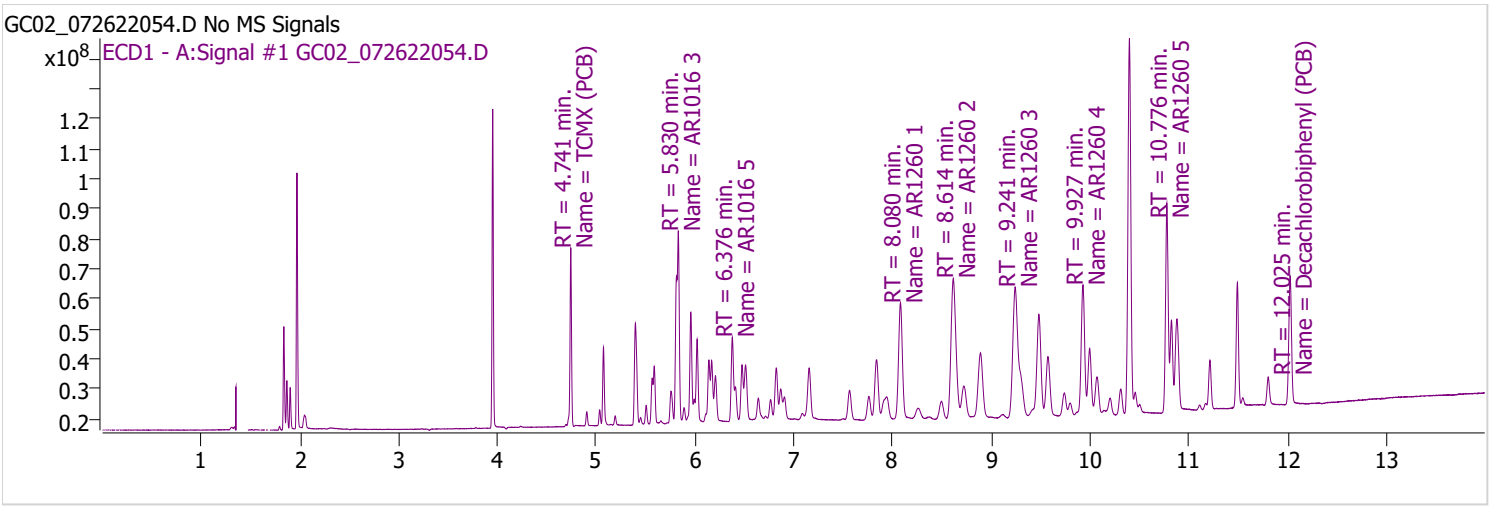


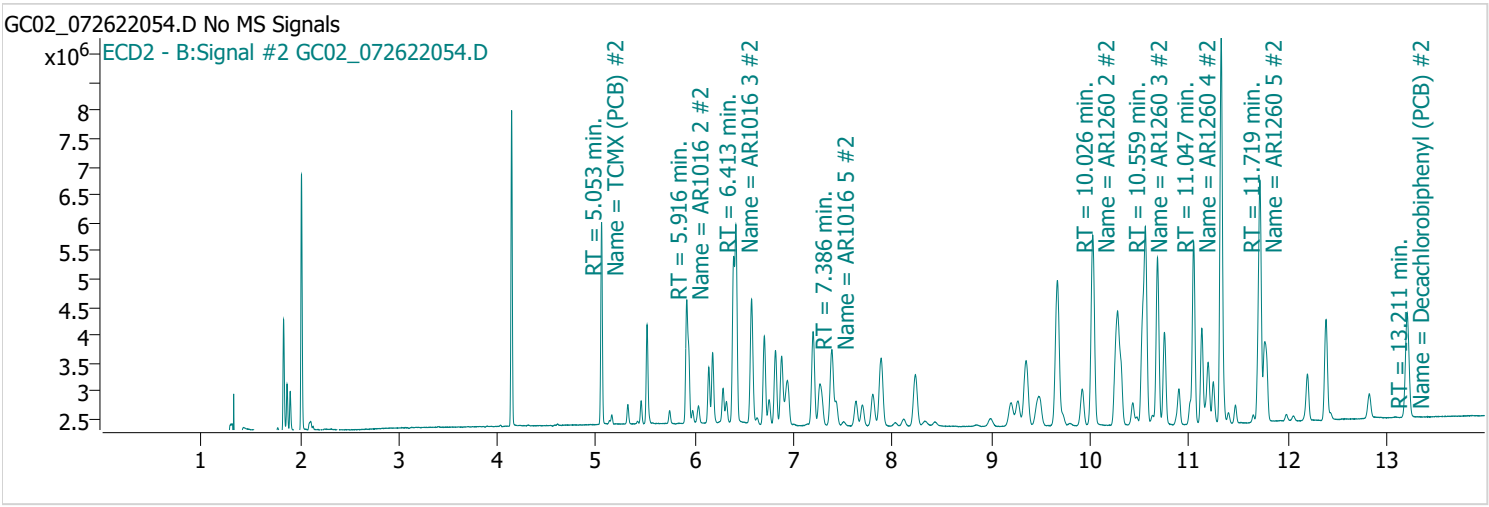
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	76.9230	13.21	0.00	20282716				



Quantitation Results Report (Not Reviewed)

Data File	GC02_072622054.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	7/27/2022 11:01:21 AM
Sample Name	ICV, S16736	Instrument	SVOA-GC02
Vial	90	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_1.m	Comment	500 PPB PCB ICV
Tune File	ATUNE.U	Tune Date	
Batch Name	072622PCBICAL.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



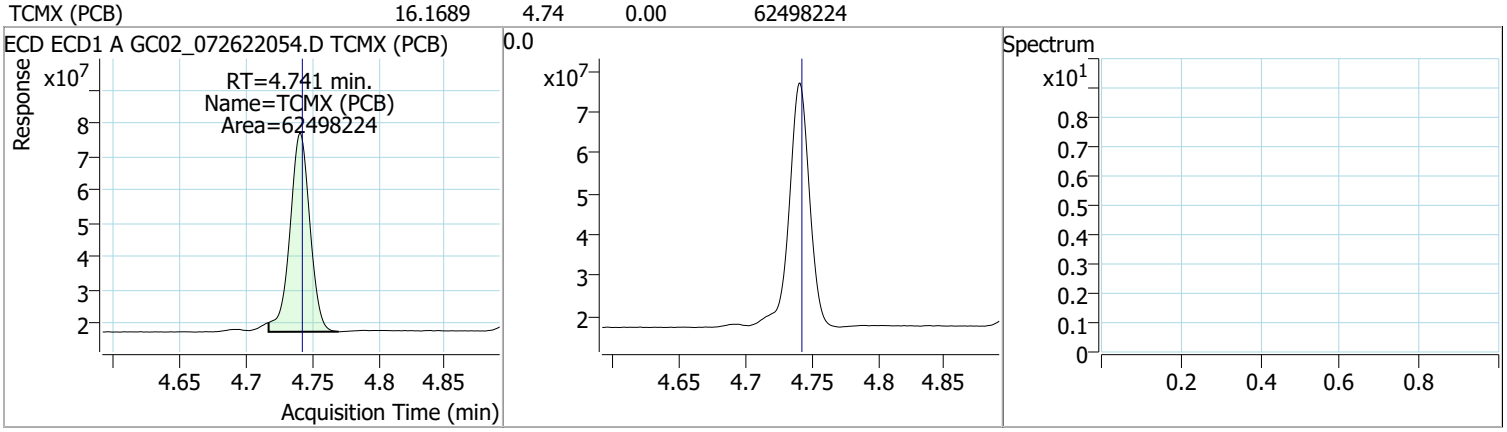


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.951	0.0	99139019.363	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.142	0.0	5270586.925	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB)	4.741	0.0	62498224.130	16.1689	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 80.84%		
S TCMX (PCB) #2	5.053	0.0	4002653.324	16.6204	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 83.10%		
S Decachlorobiphenyl (PCB)	12.025	0.0	84281368.816	18.1632	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 90.82%		
S Decachlorobiphenyl (PCB) #2	13.211	0.0	4794357.338	17.8072	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 89.04%		
Target Compounds						QValue

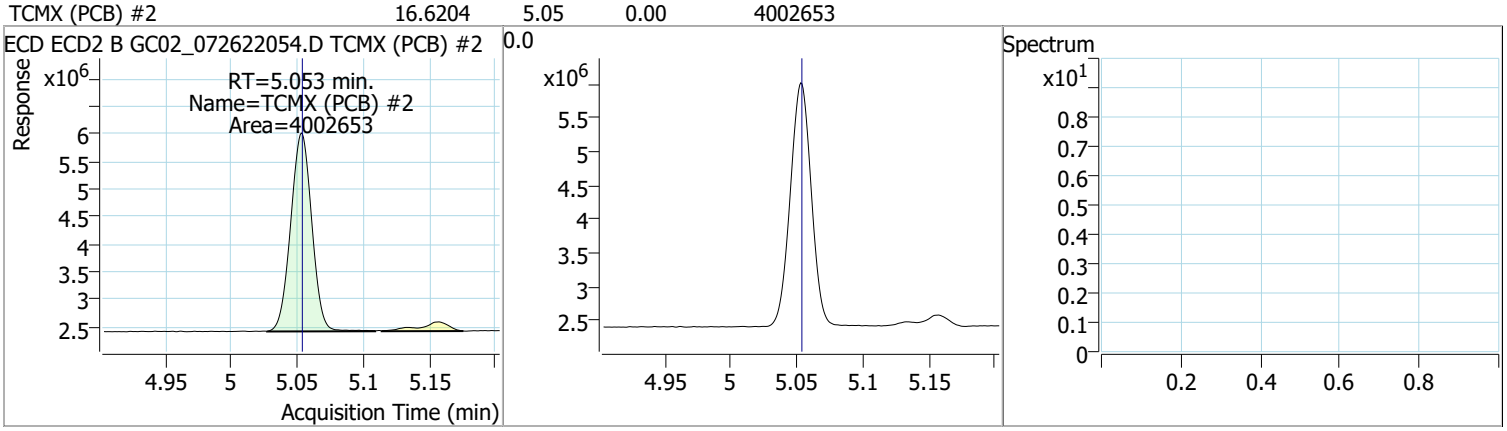
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.072	0.0	30716742.061	472.0004	ng/ml		100
T AR1016 2	5.396	0.0	57091663.658	454.4147	ng/ml		100
T AR1016 1 #2	5.514	0.0	2337008.994	470.6002	ng/ml		100
T AR1016 3	5.830	0.0	87741660.149	444.6686	ng/ml	m	100
T AR1016 2 #2	5.916	0.0	4654317.006	457.0057	ng/ml		100
T AR1016 4	5.956	0.0	51741078.130	448.1901	ng/ml		100
T AR1016 5	6.376	0.0	46317175.952	457.9841	ng/ml		100
T AR1016 3 #2	6.413	0.0	5732226.185	454.2727	ng/ml	m	100
T AR1016 4 #2	6.572	0.0	4232178.227	473.9622	ng/ml		100
T AR1016 5 #2	7.386	0.0	3993917.571	549.4935	ng/ml		100
T AR1260 1	8.080	0.0	104957065.533	516.5417	ng/ml		100
T AR1260 2	8.614	0.0	159470990.314	506.3422	ng/ml		100
T AR1260 3	9.241	0.0	183363068.707	493.8463	ng/ml		100
T AR1260 1 #2	9.668	0.0	6952834.748	465.1000	ng/ml		100
T AR1260 4	9.927	0.0	98890124.192	588.3933	ng/ml		100
T AR1260 2 #2	10.026	0.0	8185687.977	500.4160	ng/ml		100
T AR1260 3 #2	10.559	0.0	10211521.600	472.0580	ng/ml		100
T AR1260 5	10.776	0.0	128803742.453	526.9279	ng/ml		100
T AR1260 4 #2	11.047	0.0	5887783.994	487.6573	ng/ml		100
T AR1260 5 #2	11.719	0.0	9293788.681	536.3636	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

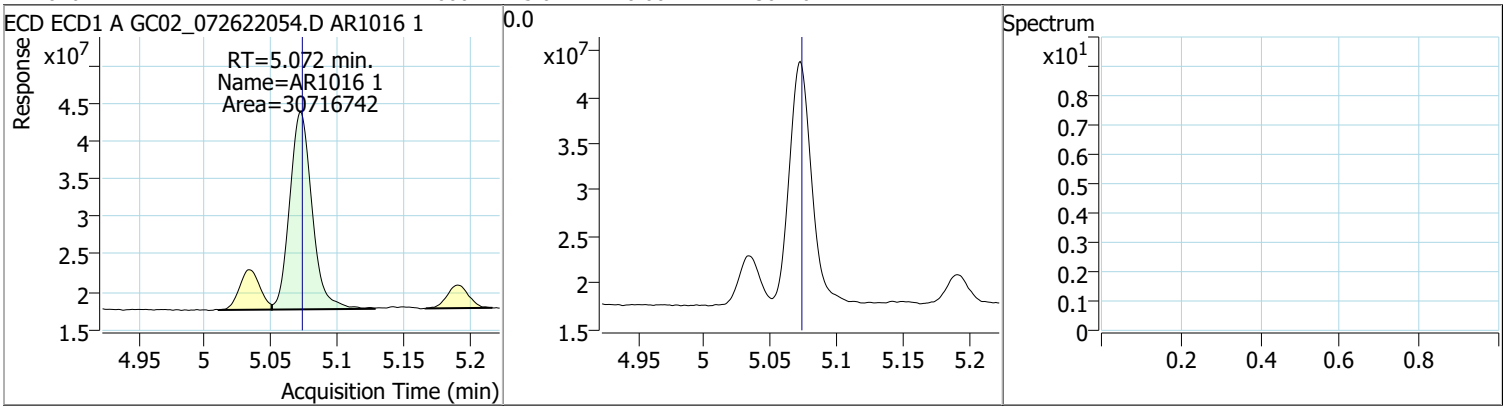
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	16.1689	4.74	0.00	62498224				



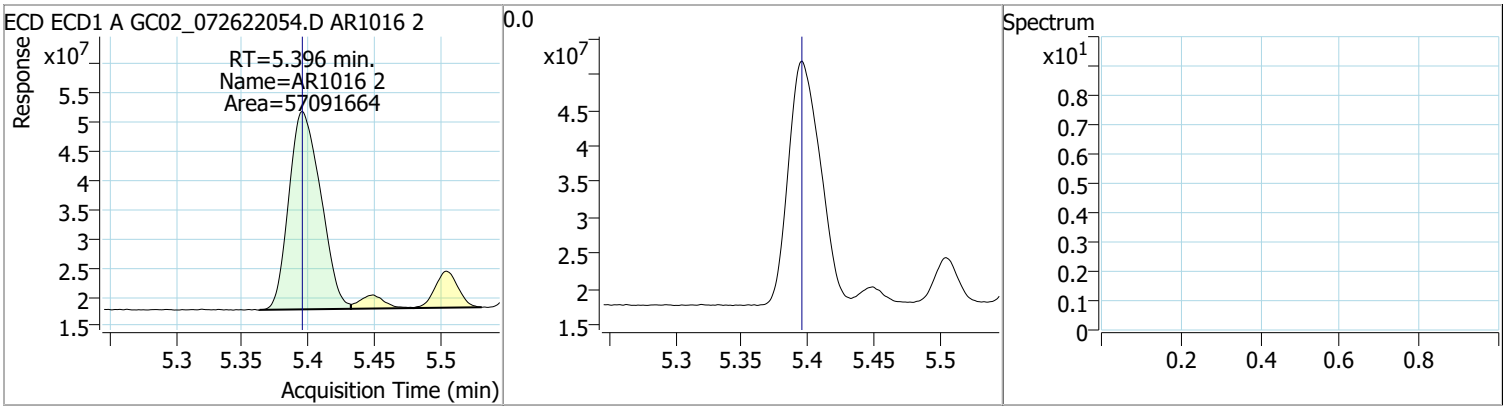
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	16.6204	5.05	0.00	4002653				



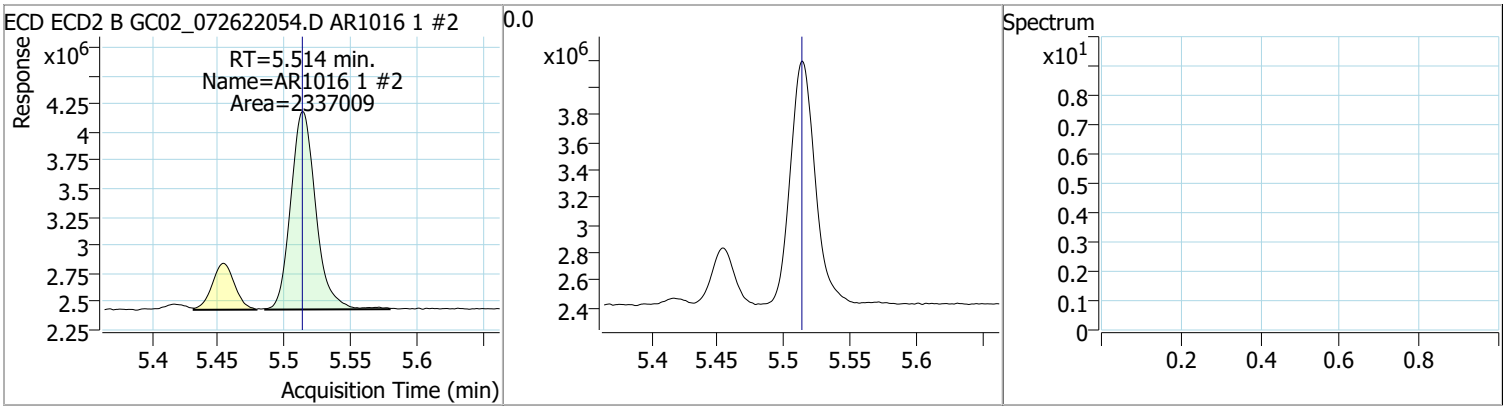
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	472.0004	5.07	0.00	30716742				



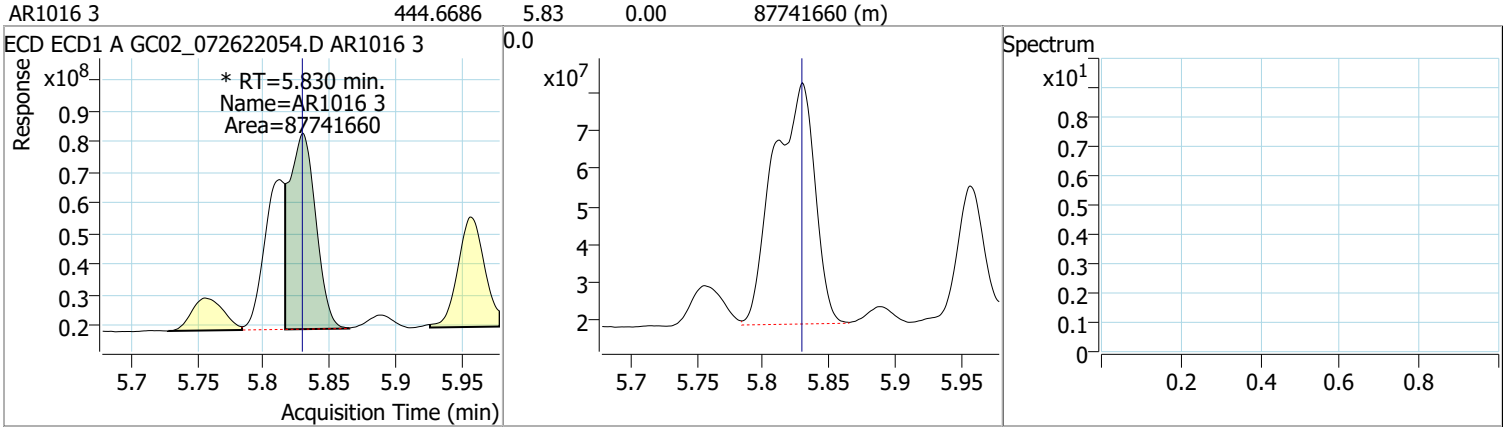
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	454.4147	5.40	0.00	57091664				



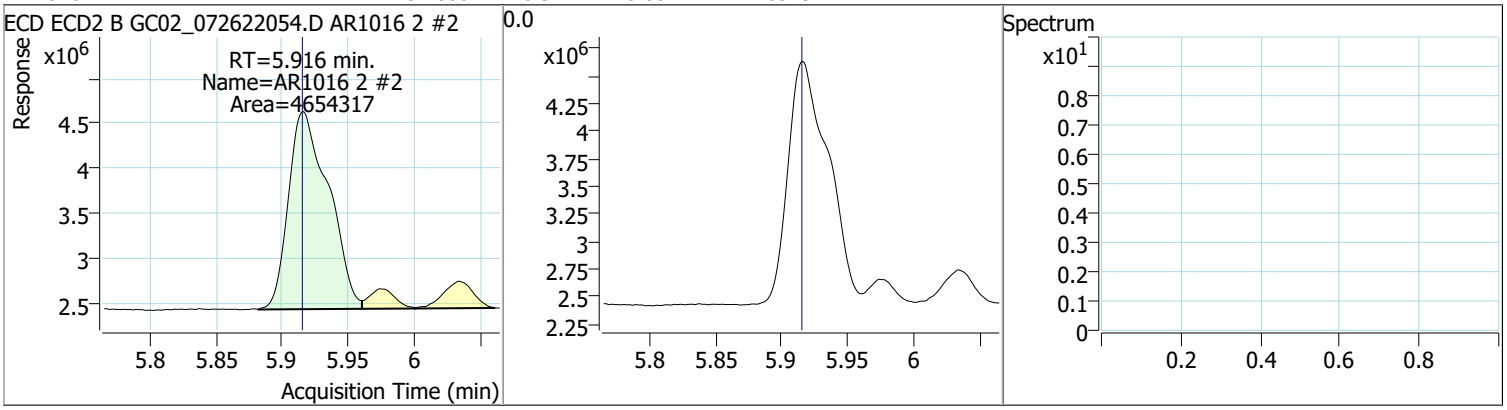
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	470.6002	5.51	0.00	2337009				



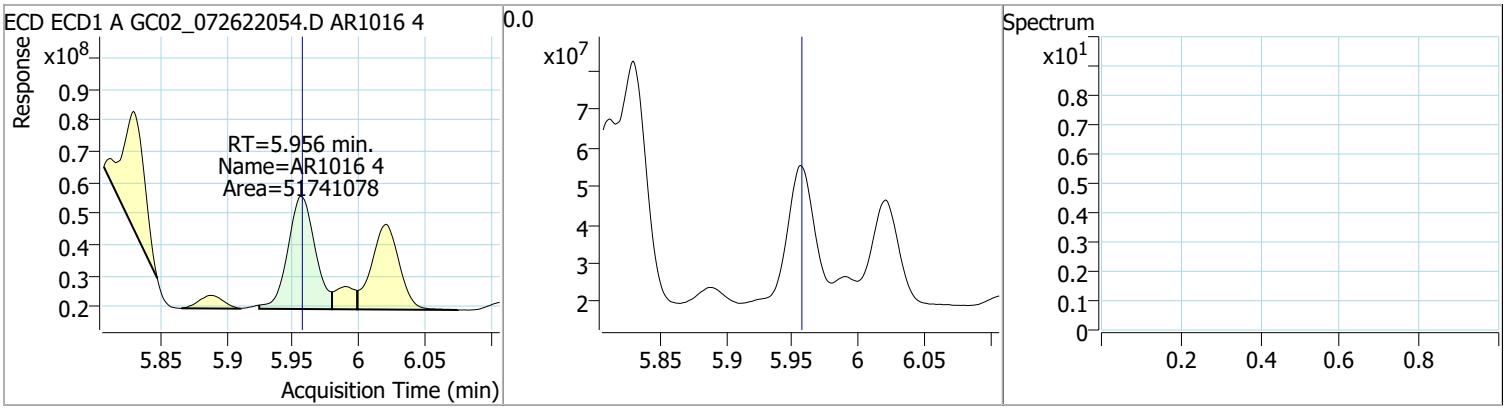
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	444.6686	5.83	0.00	87741660 (m)				



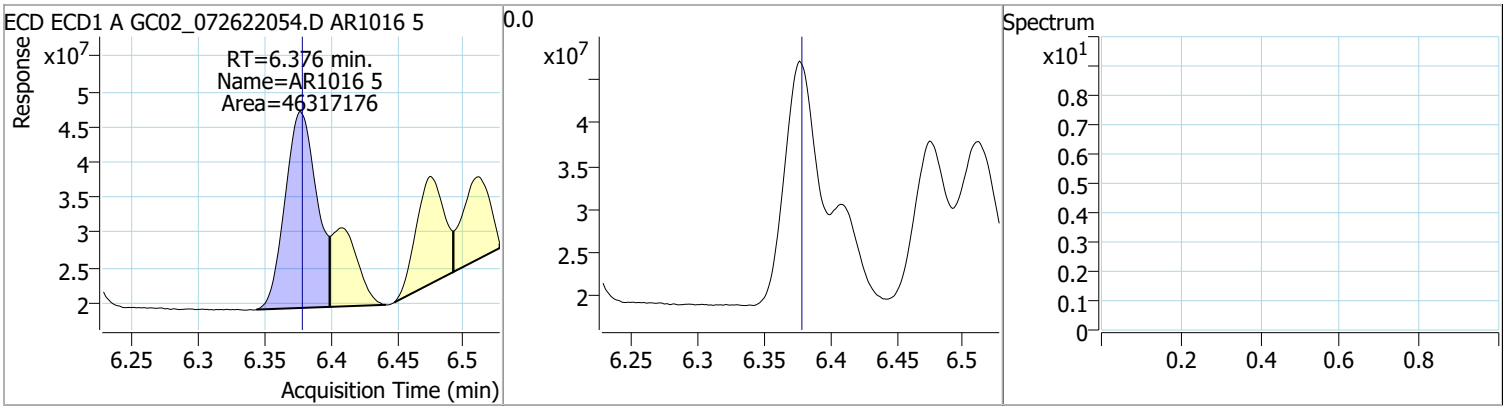
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	457.0057	5.92	0.00	4654317				



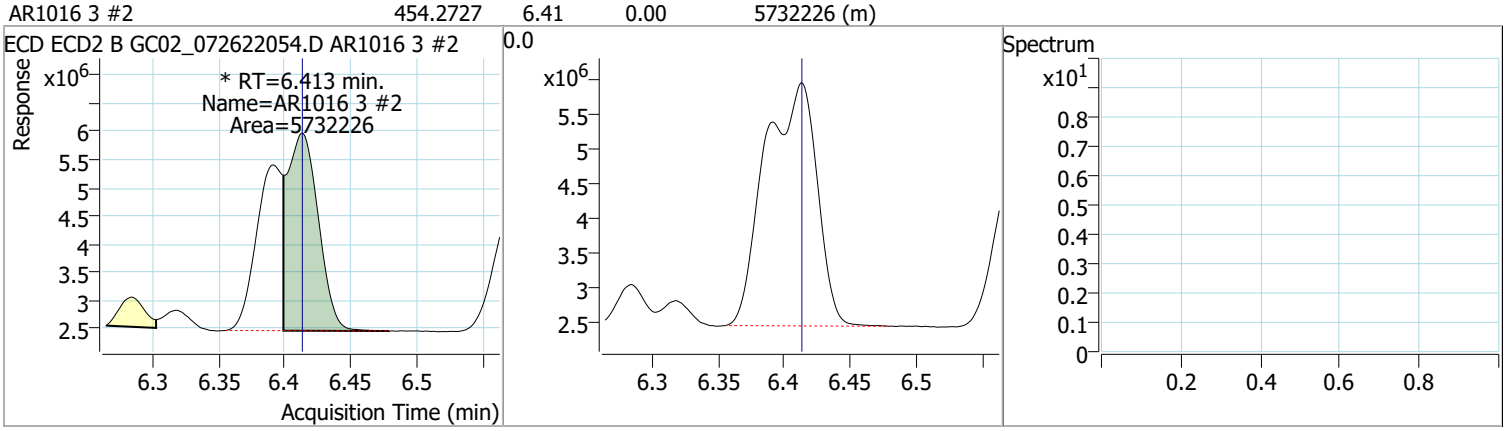
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	448.1901	5.96	0.00	51741078				



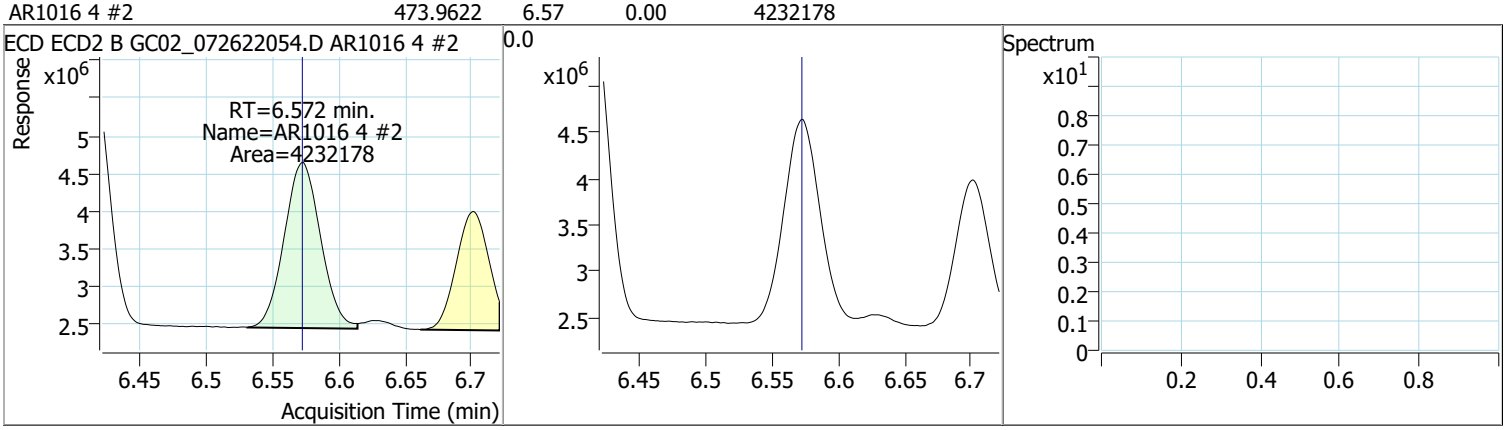
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	457.9841	6.38	0.00	46317176				



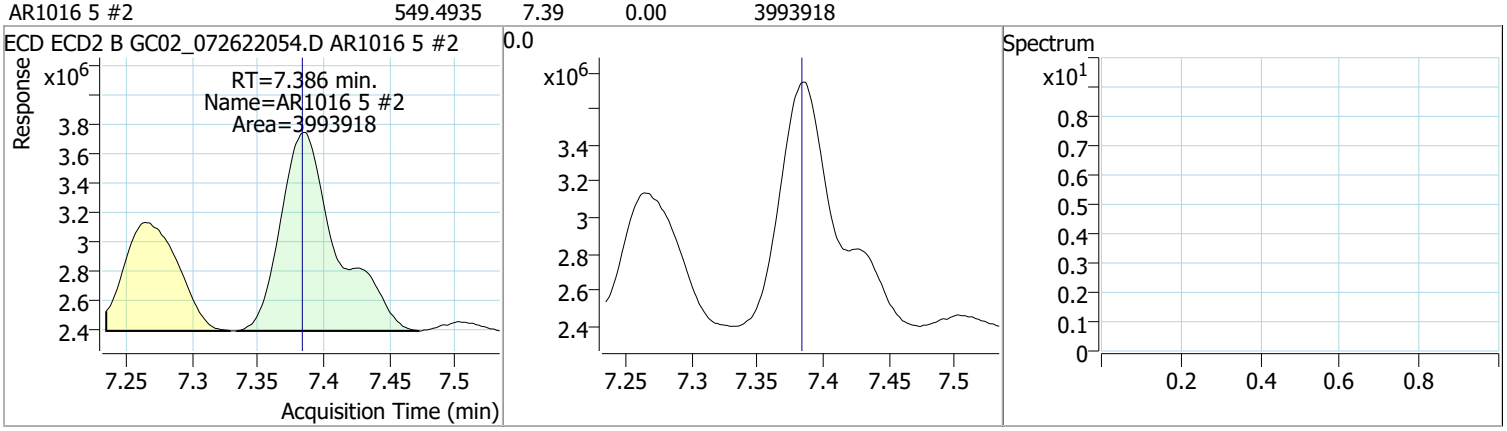
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	454.2727	6.41	0.00	5732226 (m)				



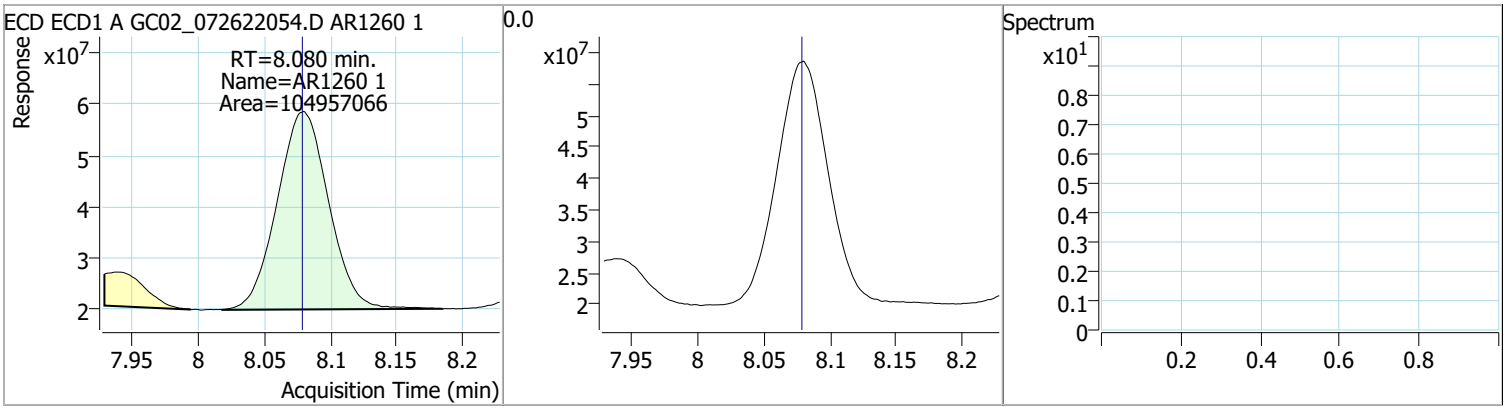
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	473.9622	6.57	0.00	4232178				



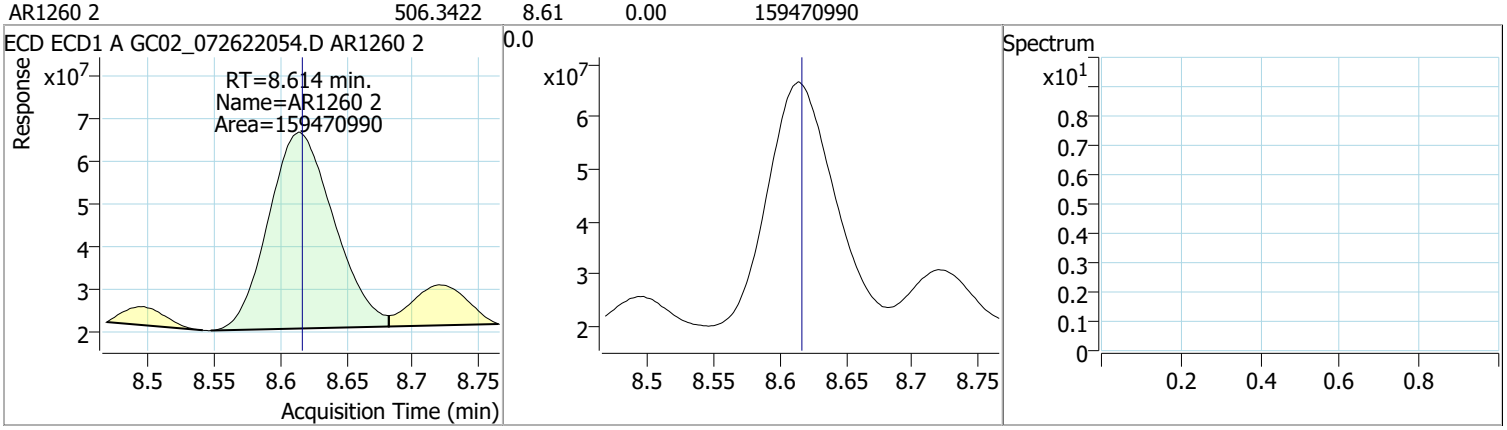
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	549.4935	7.39	0.00	3993918				



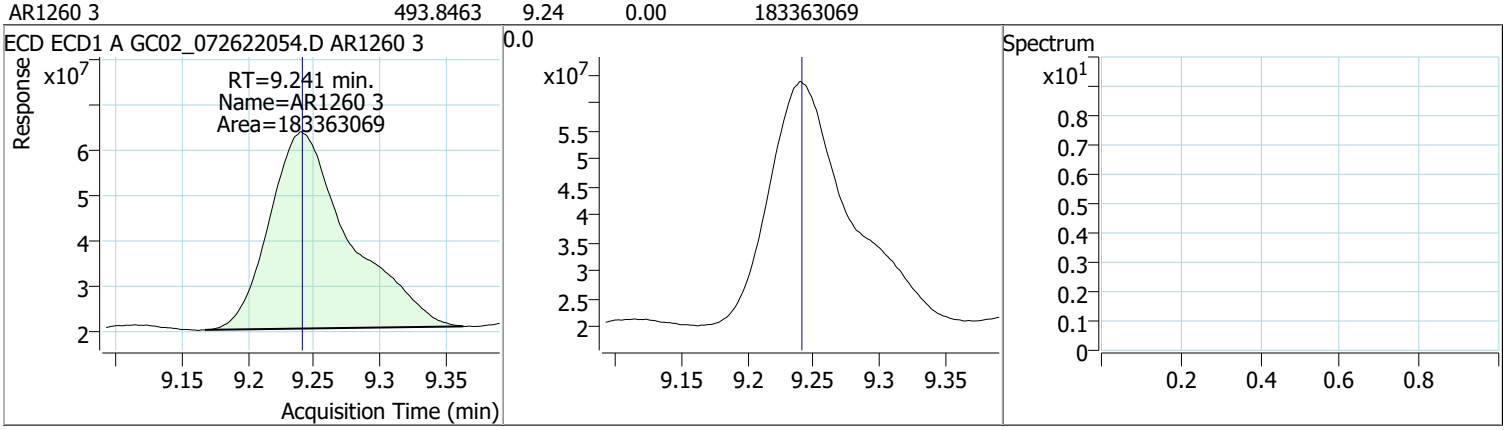
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	516.5417	8.08	0.00	104957066				



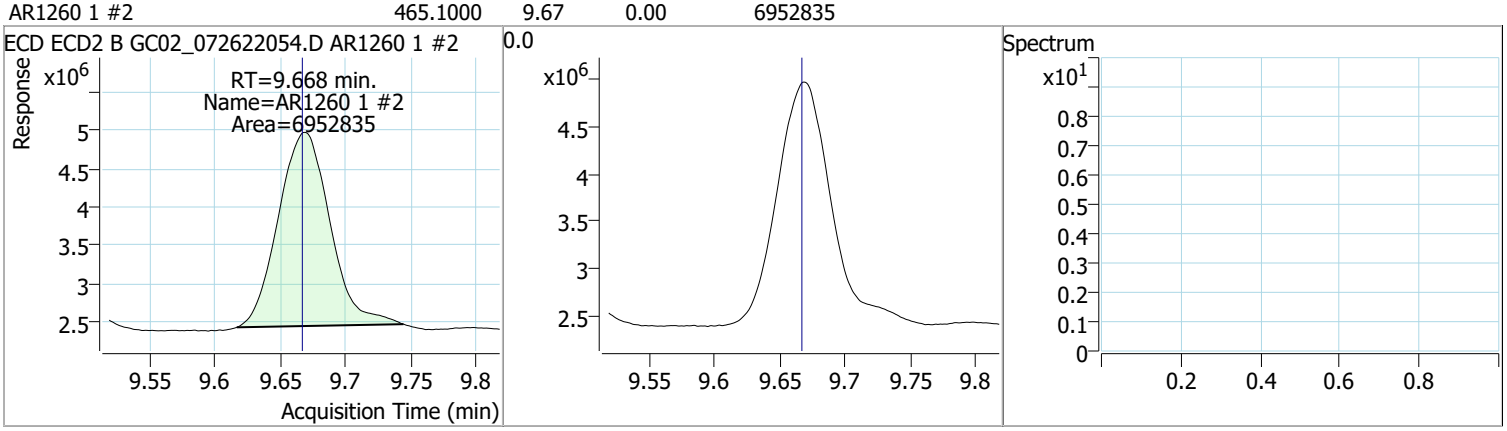
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	506.3422	8.61	0.00	159470990				



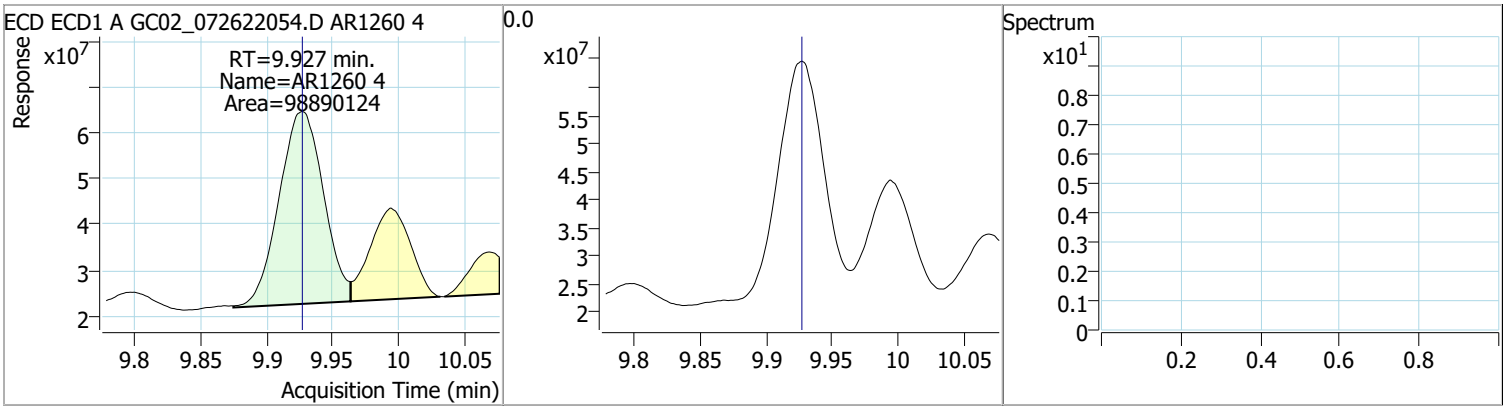
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	493.8463	9.24	0.00	183363069				



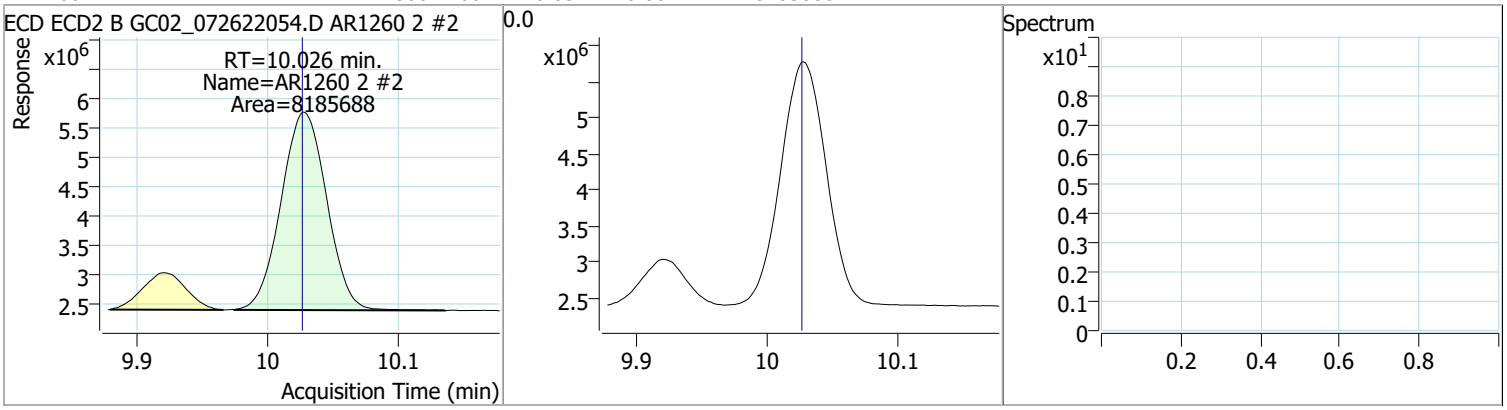
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	465.1000	9.67	0.00	6952835				



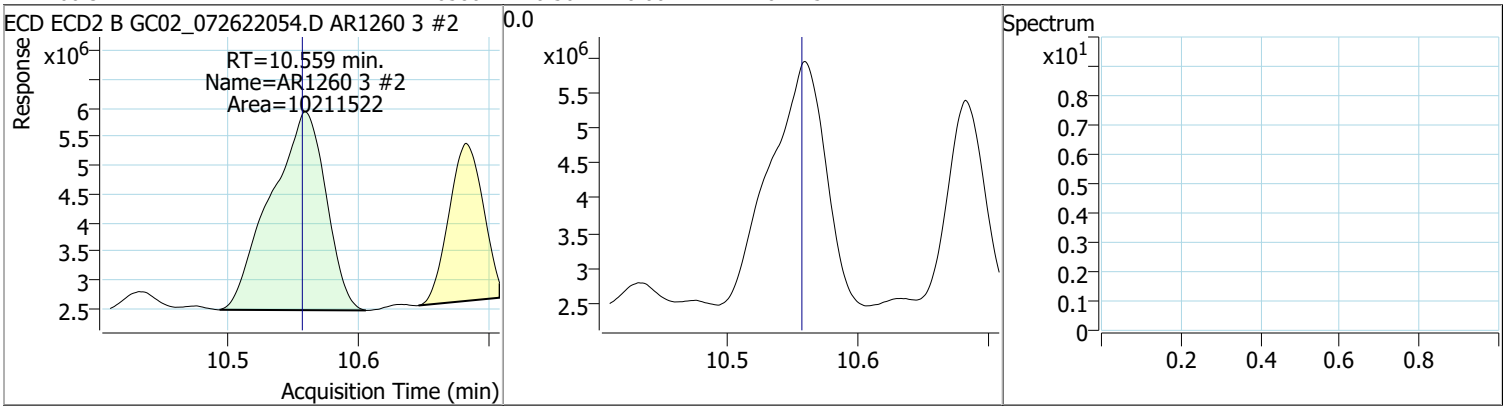
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	588.3933	9.93	0.00	98890124				



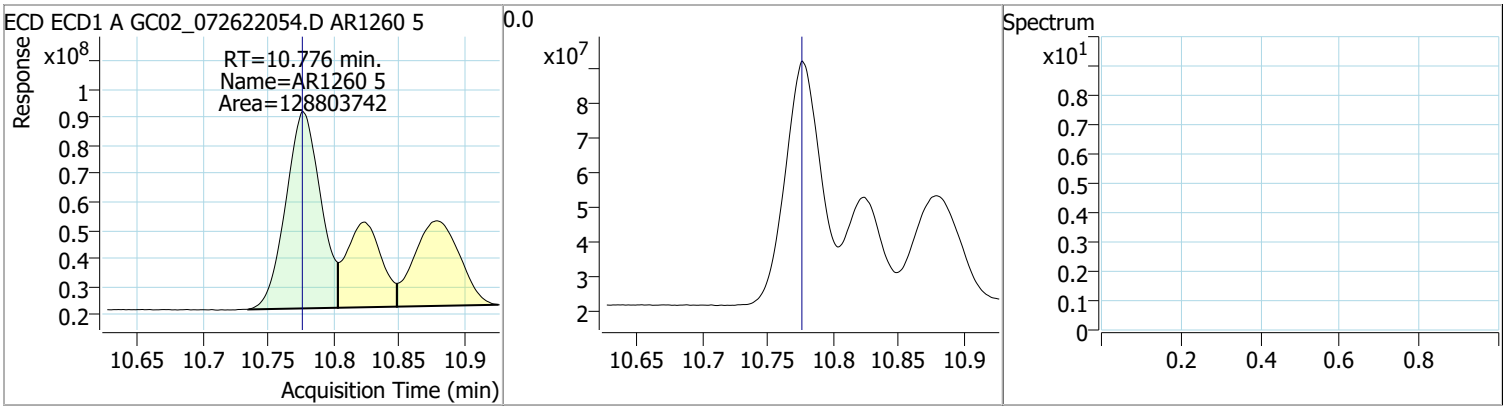
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	500.4160	10.03	0.00	8185688				



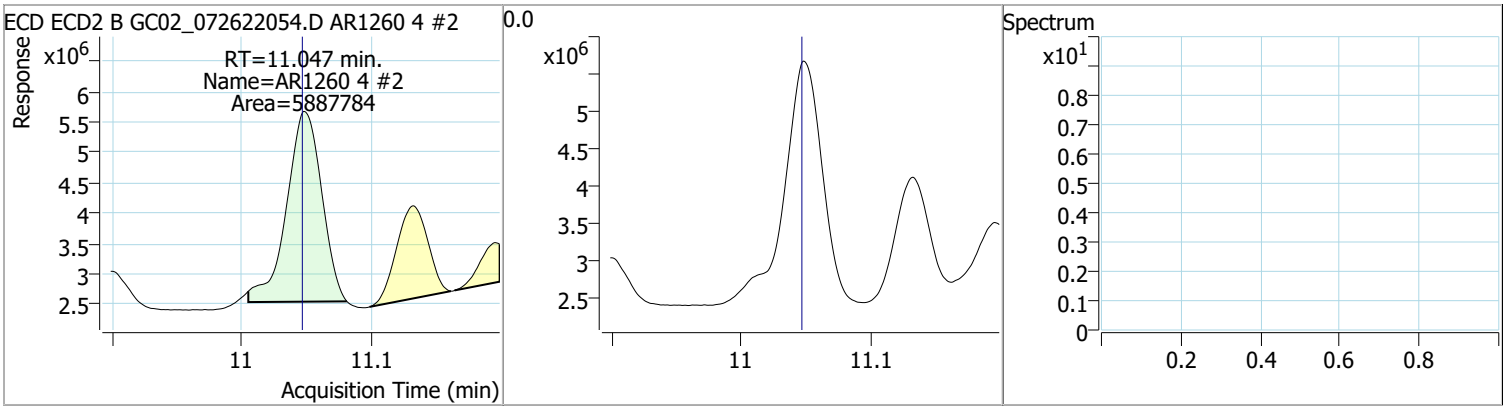
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	472.0580	10.56	0.00	10211522				



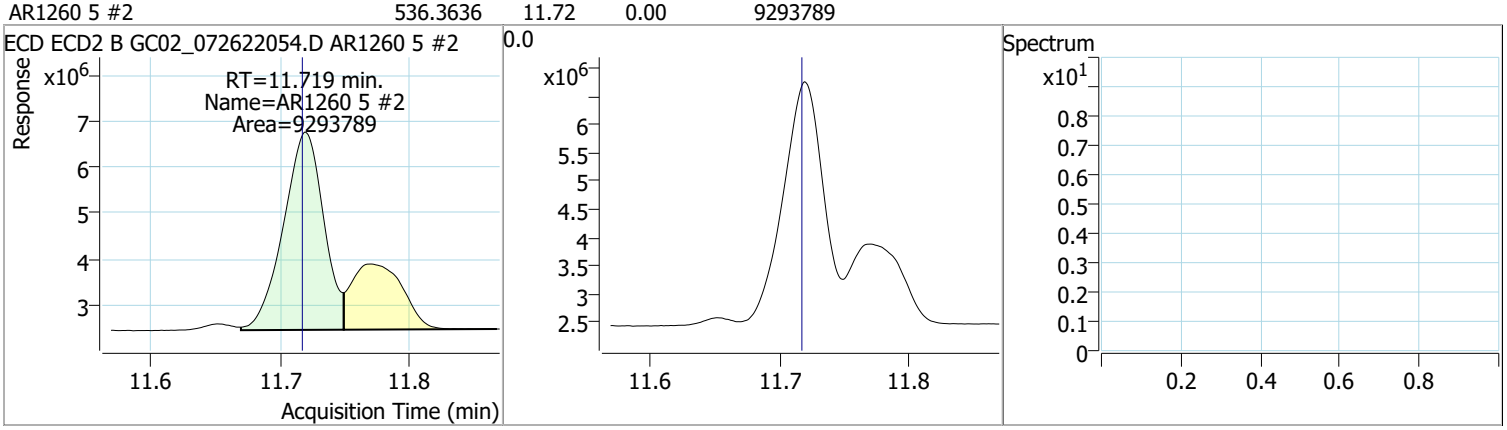
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	526.9279	10.78	0.00	128803742				



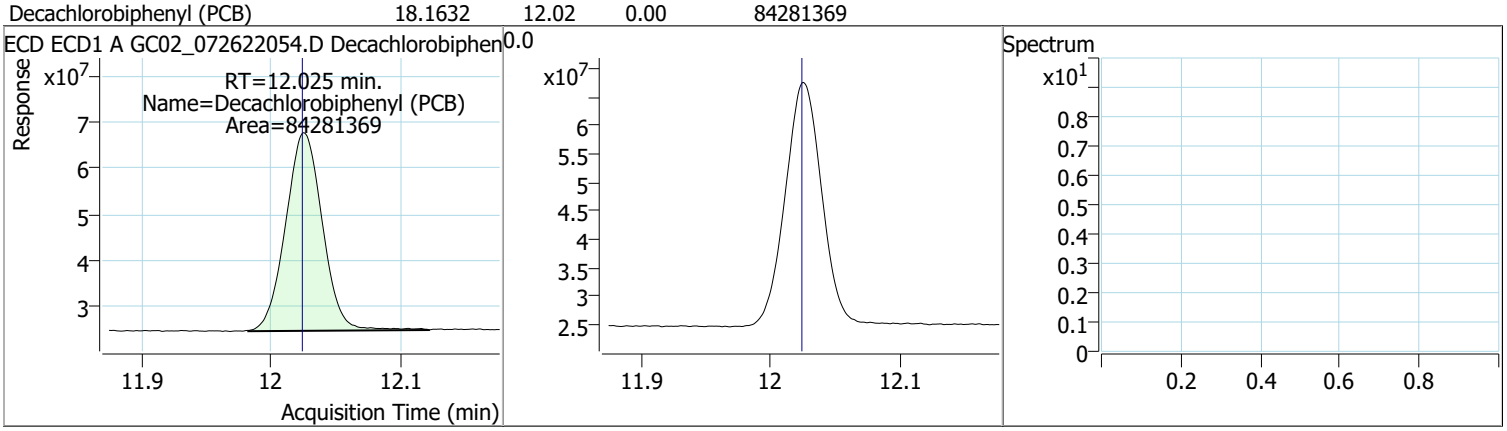
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	487.6573	11.05	0.00	5887784				



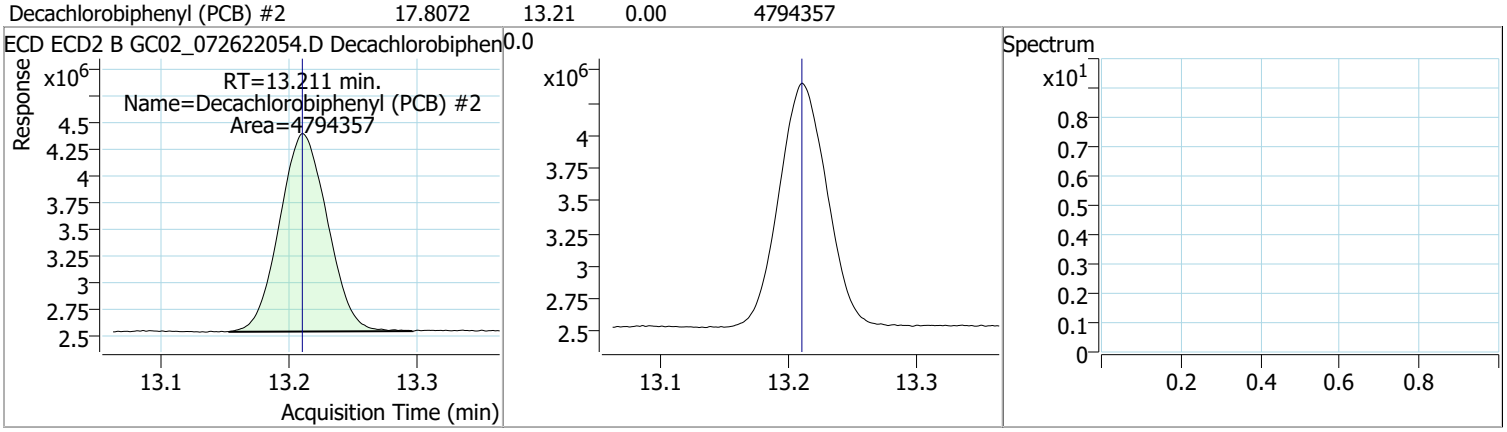
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	536.3636	11.72	0.00	9293789				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	18.1632	12.02	0.00	84281369				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	17.8072	13.21	0.00	4794357				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 467089 PCBS Wipe

EPA 8082

Inst:	SVOA-GC02			IDF:	1.0
Seqnum:	212320550010	File:	gc02_081022-010	Time:	10-AUG-2022 16:40
Cal:	212298819002	Caldate:	27-JUL-2022		

Standards: S17006

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	425.7	ug/L	-15	15	0.0000	
Aroclor-1260	A			500.0	447.0	ug/L	-11	15	0.0000	
Decachlorobiphenyl (PCB)	A	0.9358	1.0906	20.00	23.31	ug/L	**17**	15	0.0000	c+
TCMX (PCB)	A	0.7796	0.8684	20.00	22.28	ug/L	11	15	0.0000	
Aroclor-1016	B			500.0	400.0	ug/L	**-20**	15	0.0000	**c-** ***
Aroclor-1260	B			500.0	411.2	ug/L	**-18**	15	0.0000	**c-** ***
Decachlorobiphenyl (PCB)	B	1.0214	1.2349	20.00	24.18	ug/L	**21**	15	0.0000	c+
TCMX (PCB)	B	0.9136	0.9254	20.00	20.26	ug/L	1	15	0.0000	

ISTD (ICAL gc02_072622-045)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4436282	4588277	3.43
1-bromo-2-nitrobenzene (PCB)	A	83889003	80982294	-3.46

TRN 08/10/22 : Report from CH A

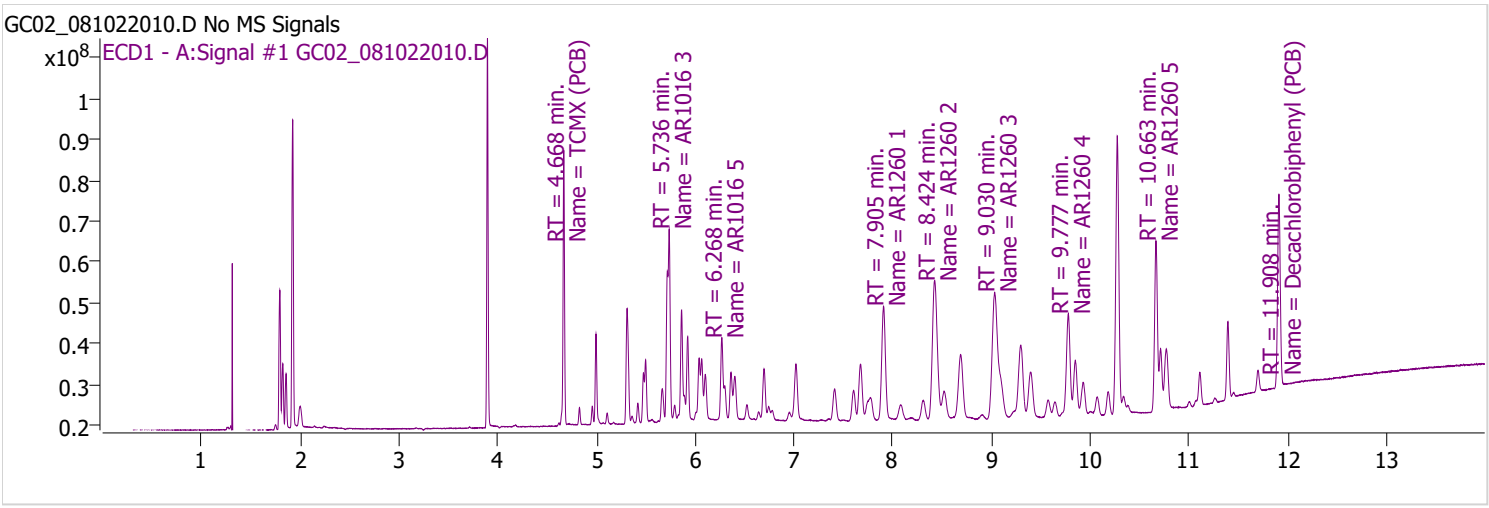
TRN 08/10/22 [1-bromo-2-nitrobenzene (PCB) A]: Corrected baseline noise or negative peak for Ch. A.

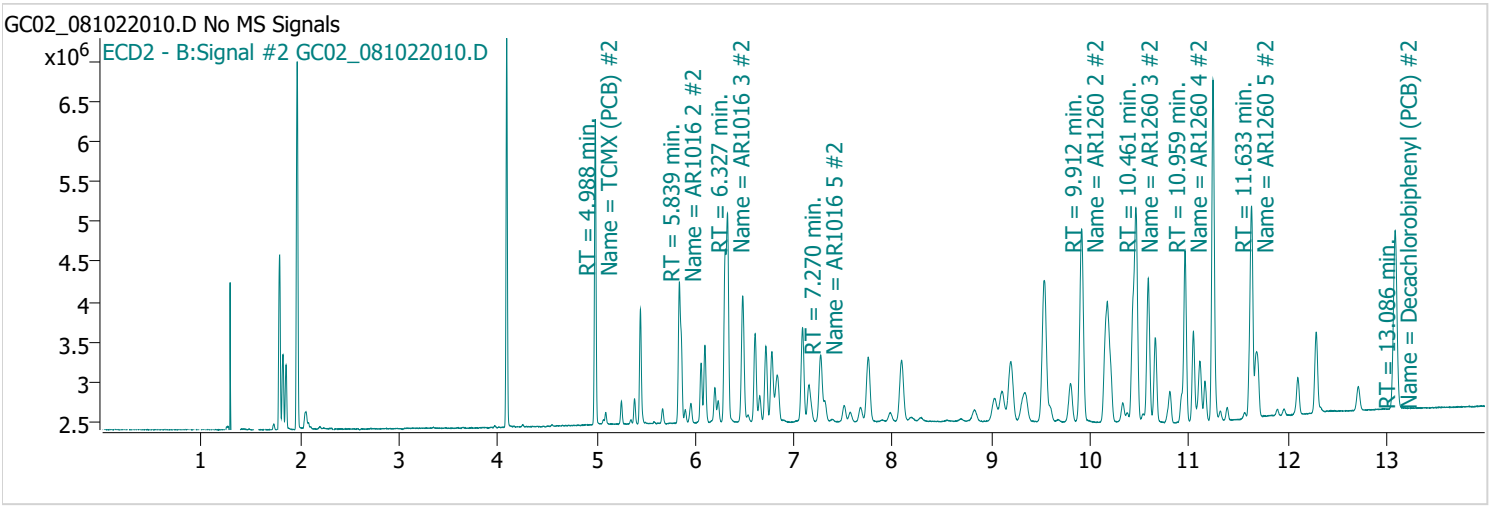
+=high bias -=low bias c=CCV

Analyst: TRN 08/10/22 **Reviewer:** LW 08/11/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_081022010.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	8/10/2022 4:40:39 PM
Sample Name	CCV, S17006	Instrument	SVOA-GC02
Vial	144	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_7.m	Comment	500ppb PCB CCV
Tune File	ATUNE.U	Tune Date	
Batch Name	081022PCB.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



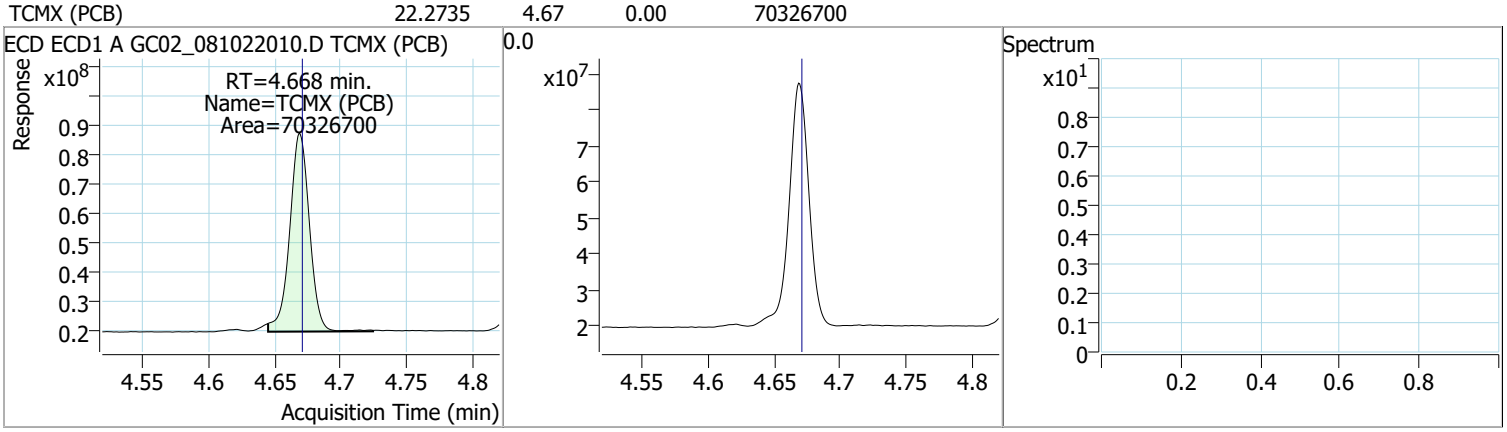


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.896	0.0	80982293.600	20.0000	ng/ml	m	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.092	0.0	4588276.958	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	4.668	0.0	70326700.005	22.2735	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 111.37%			
S TCMX (PCB) #2	4.988	0.0	4246083.349	20.2531	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 101.27%			
S Decachlorobiphenyl (PCB)	11.908	0.0	88322925.327	23.3018	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 116.51%			
S Decachlorobiphenyl (PCB) #2	13.086	0.0	5665868.115	24.1735	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 120.87%			
Target Compounds							QValue

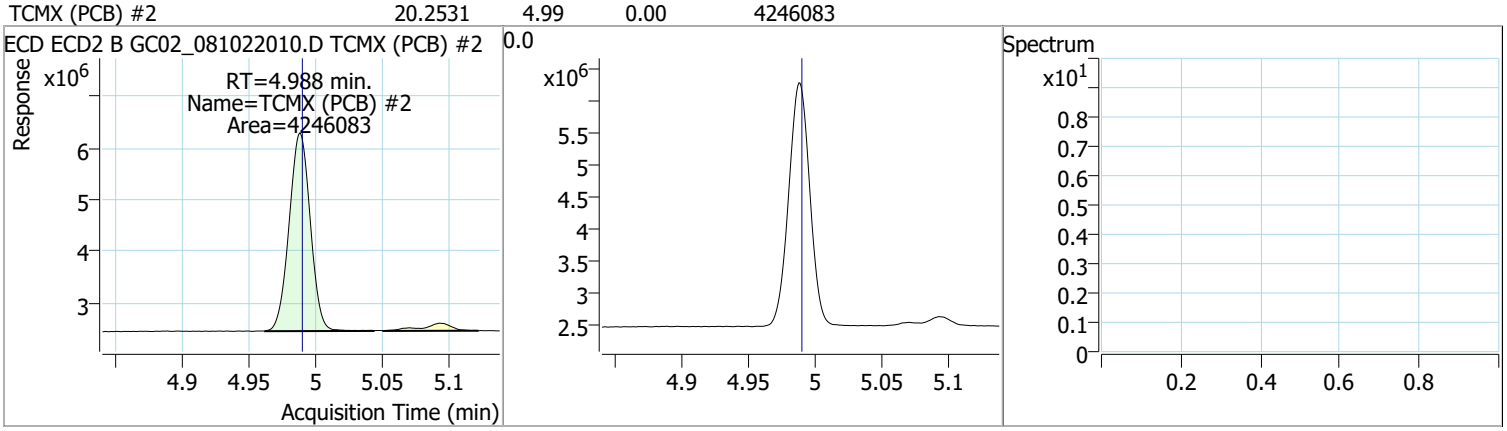
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.995	0.0	26090274.443	490.7953	ng/ml		100
T AR1016 2	5.310	0.0	45673128.888	445.0359	ng/ml		100
T AR1016 1 #2	5.445	0.0	1870449.186	432.6603	ng/ml		100
T AR1016 3	5.736	0.0	62971119.906	390.6848	ng/ml	m	100
T AR1016 2 #2	5.839	0.0	3630832.336	409.5257	ng/ml		100
T AR1016 4	5.862	0.0	38207557.403	405.1638	ng/ml		100
T AR1016 5	6.268	0.0	32744827.472	396.3744	ng/ml	m	100
T AR1016 3 #2	6.327	0.0	4361254.199	397.0215	ng/ml	m	100
T AR1016 4 #2	6.481	0.0	2945333.300	378.8991	ng/ml		100
T AR1016 5 #2	7.270	0.0	2412645.563	381.2996	ng/ml		100
T AR1260 1	7.905	0.0	73967441.664	445.6448	ng/ml		100
T AR1260 2	8.424	0.0	116592449.660	453.1974	ng/ml		100
T AR1260 3	9.030	0.0	140740153.704	464.0368	ng/ml		100
T AR1260 1 #2	9.535	0.0	5246181.198	403.1225	ng/ml		100
T AR1260 4	9.777	0.0	61937122.366	451.1494	ng/ml		100
T AR1260 2 #2	9.912	0.0	6147301.728	431.6879	ng/ml		100
T AR1260 3 #2	10.461	0.0	8023229.240	426.0528	ng/ml		100
T AR1260 5	10.663	0.0	83878997.090	420.0785	ng/ml		100
T AR1260 4 #2	10.959	0.0	4291344.533	408.2871	ng/ml		100
T AR1260 5 #2	11.633	0.0	5829487.928	386.4615	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

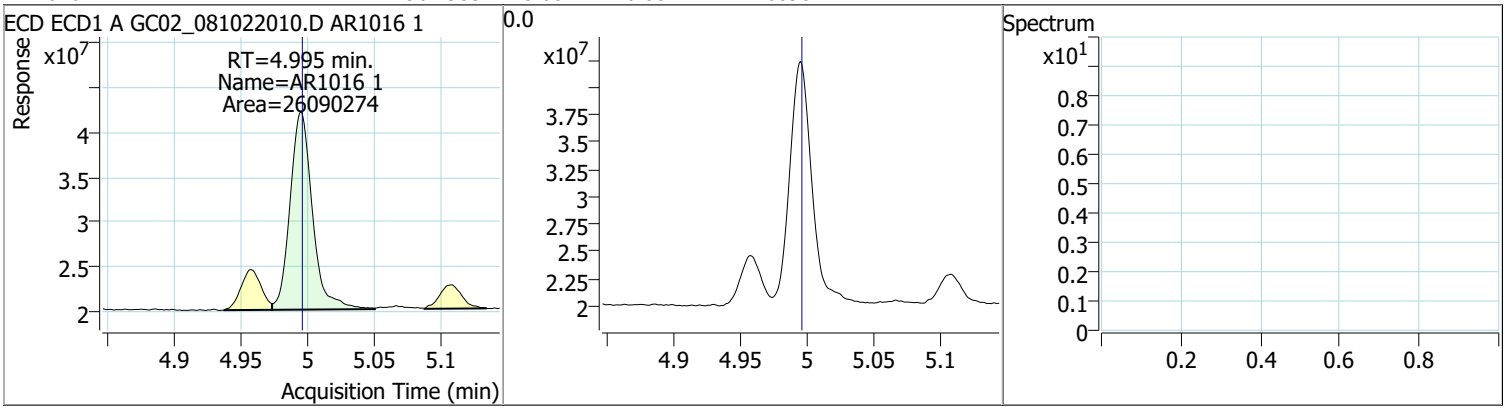
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	22.2735	4.67	0.00	70326700				



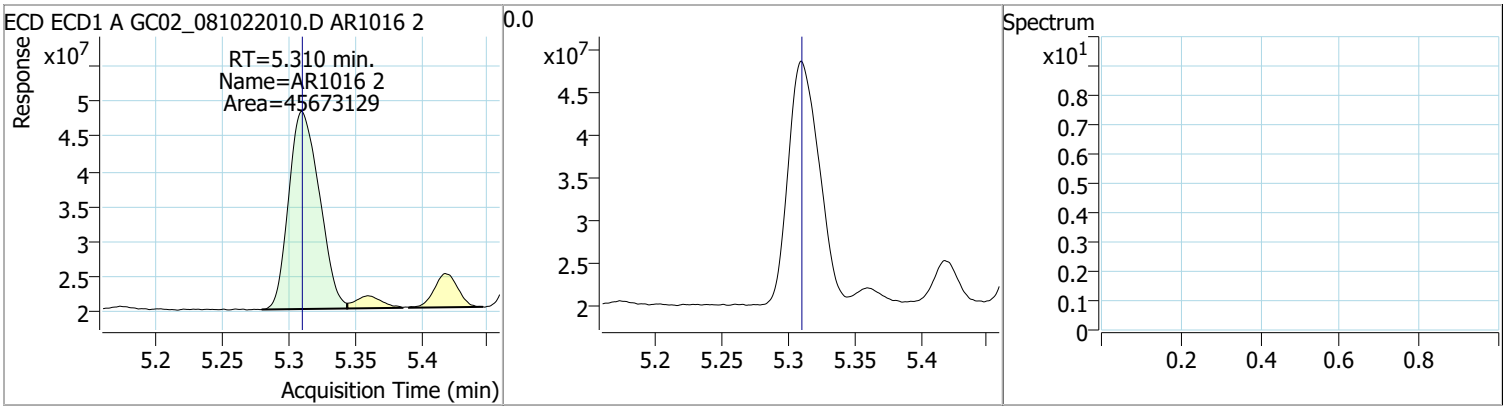
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	20.2531	4.99	0.00	4246083				



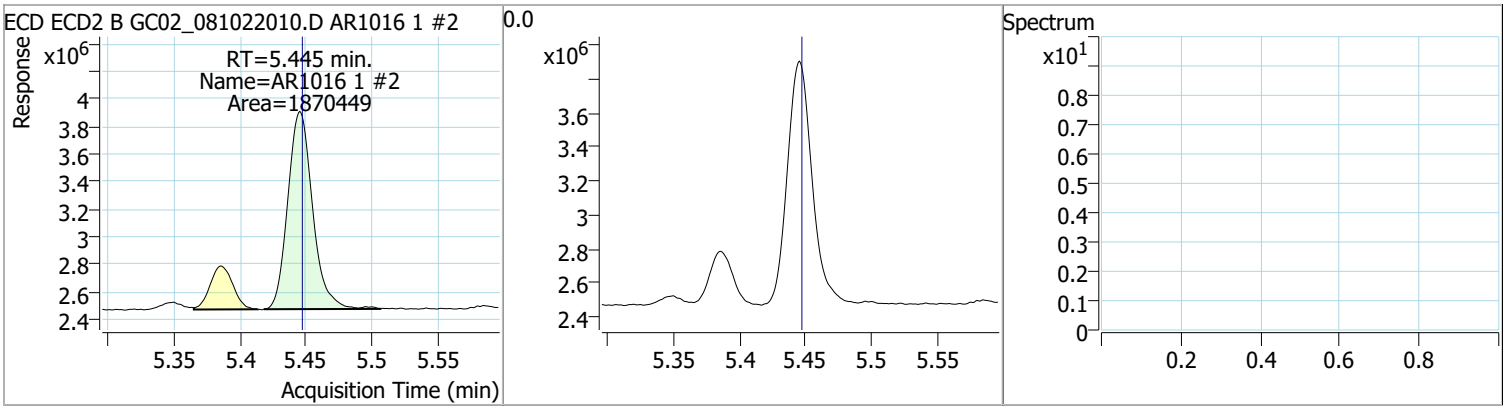
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	490.7953	5.00	0.00	26090274				



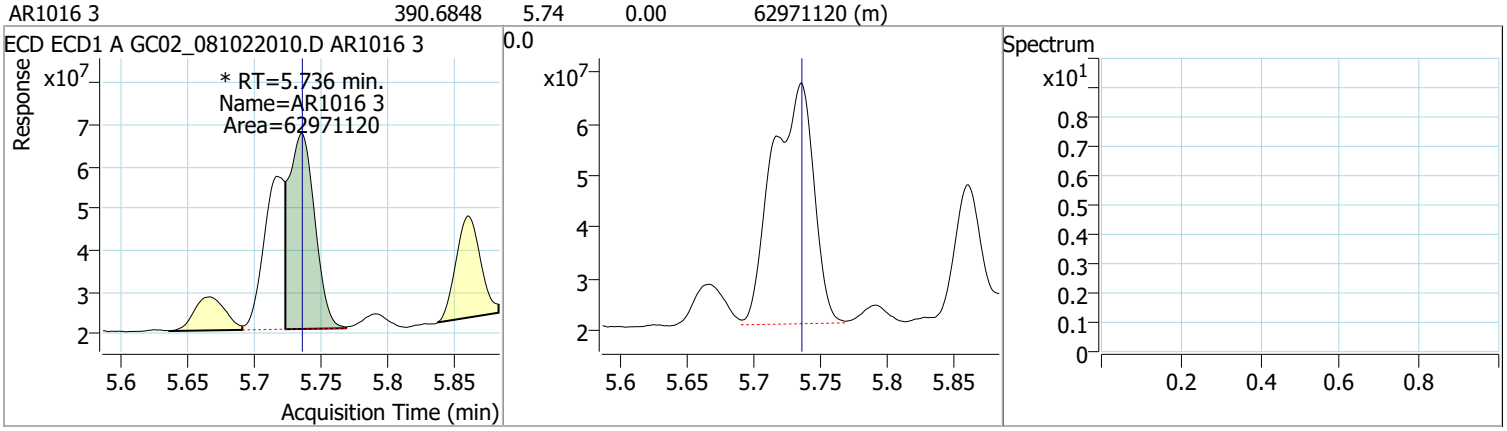
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	445.0359	5.31	0.00	45673129				



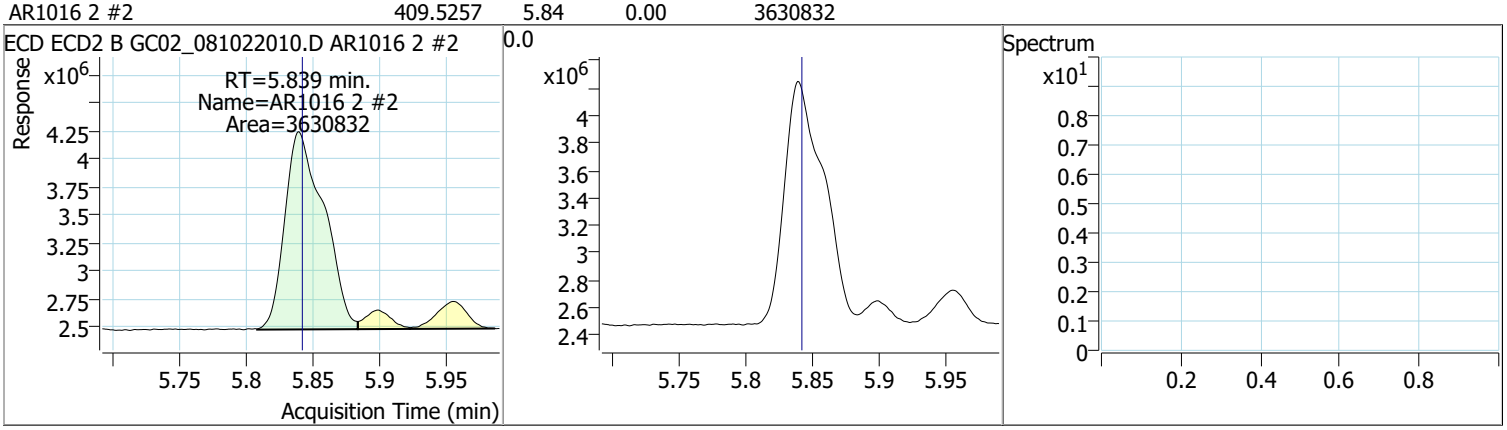
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	432.6603	5.45	0.00	1870449				



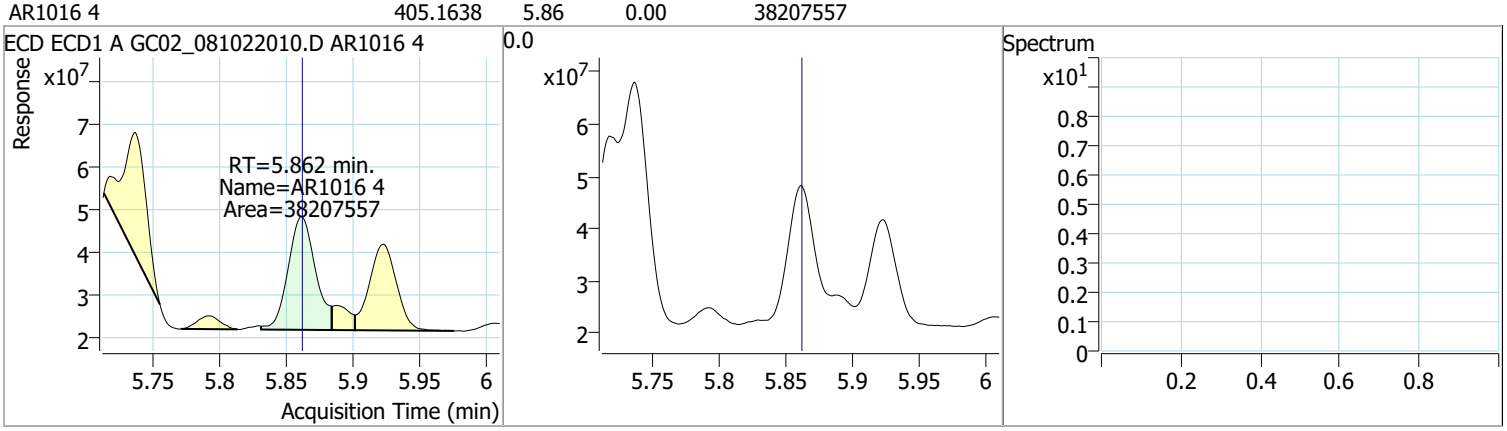
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	390.6848	5.74	0.00	62971120 (m)				



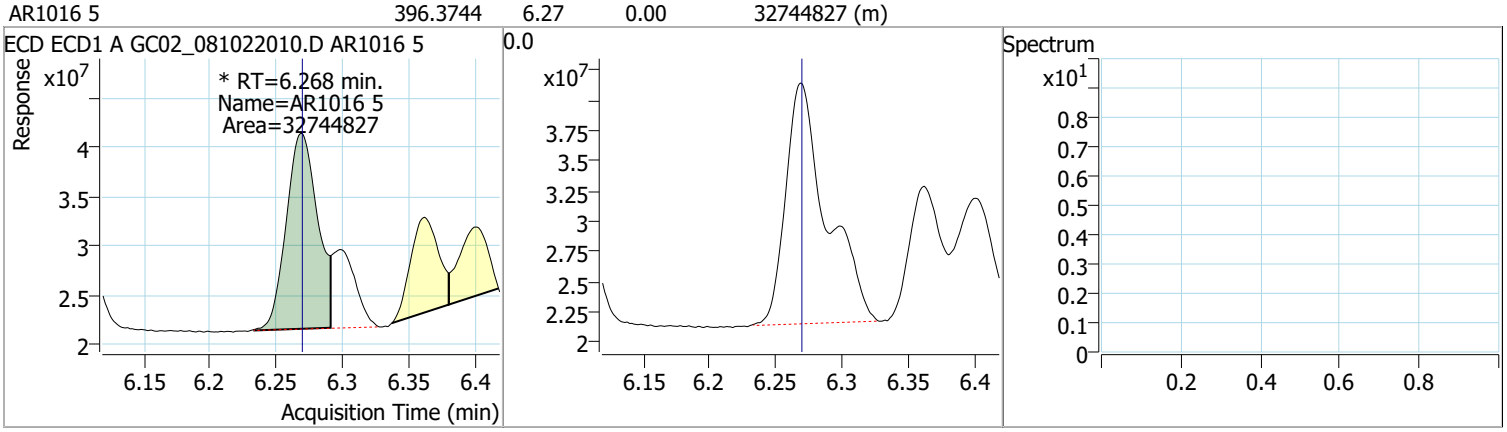
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	409.5257	5.84	0.00	3630832				



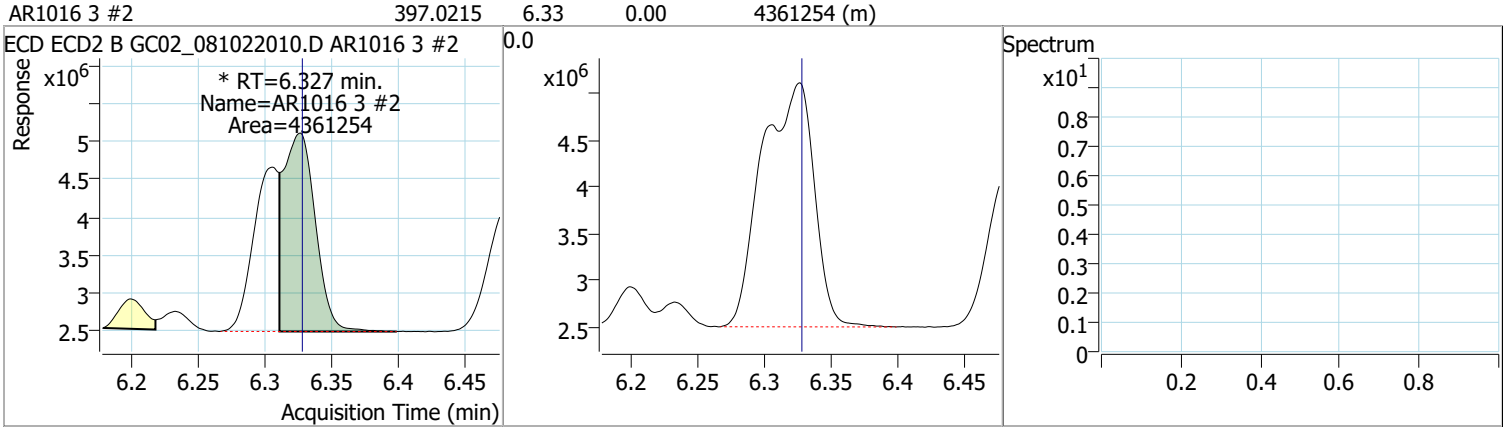
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	405.1638	5.86	0.00	38207557				



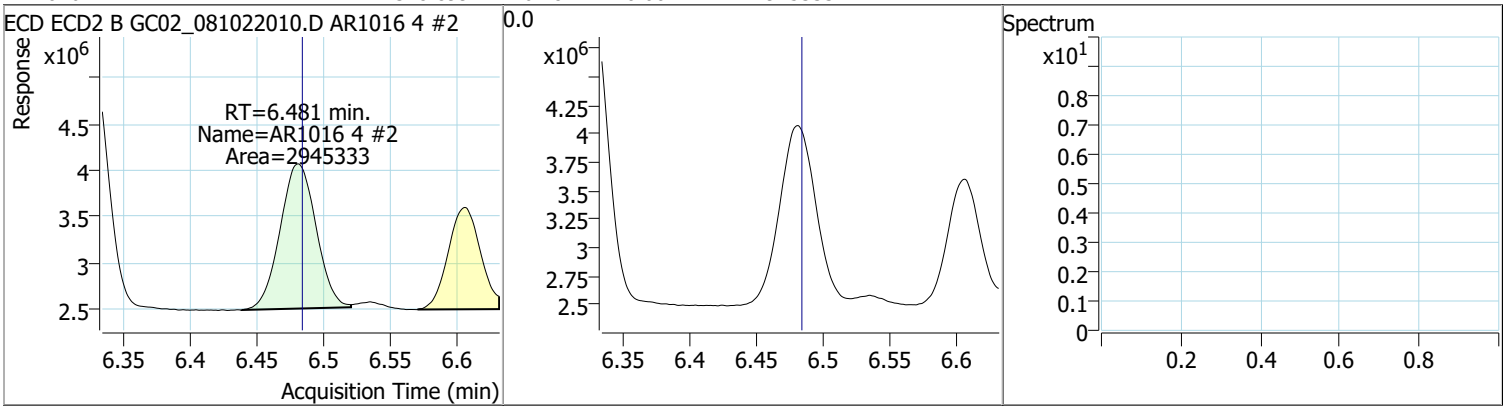
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	396.3744	6.27	0.00	32744827 (m)				



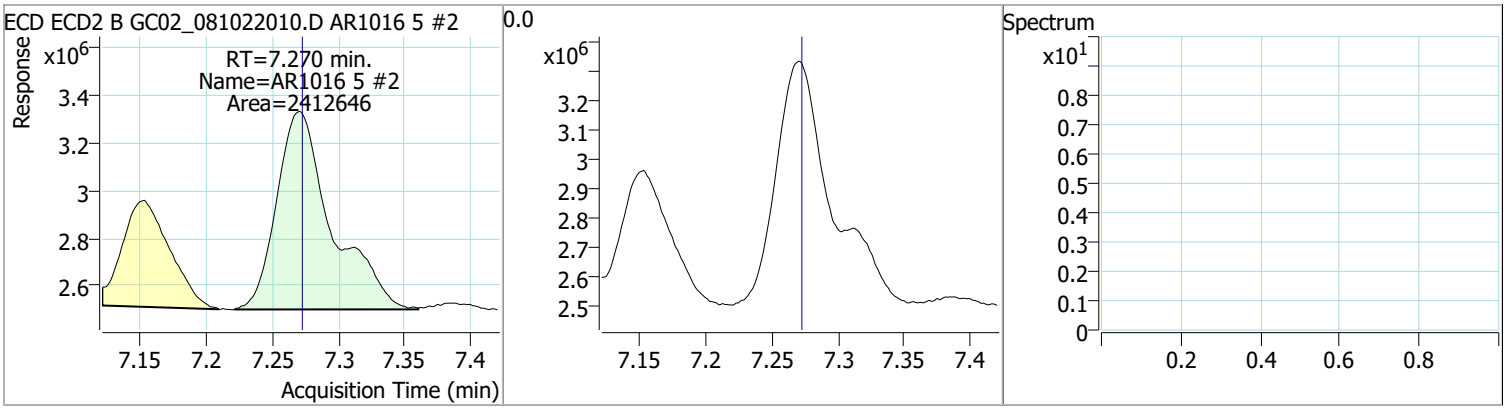
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	397.0215	6.33	0.00	4361254 (m)				



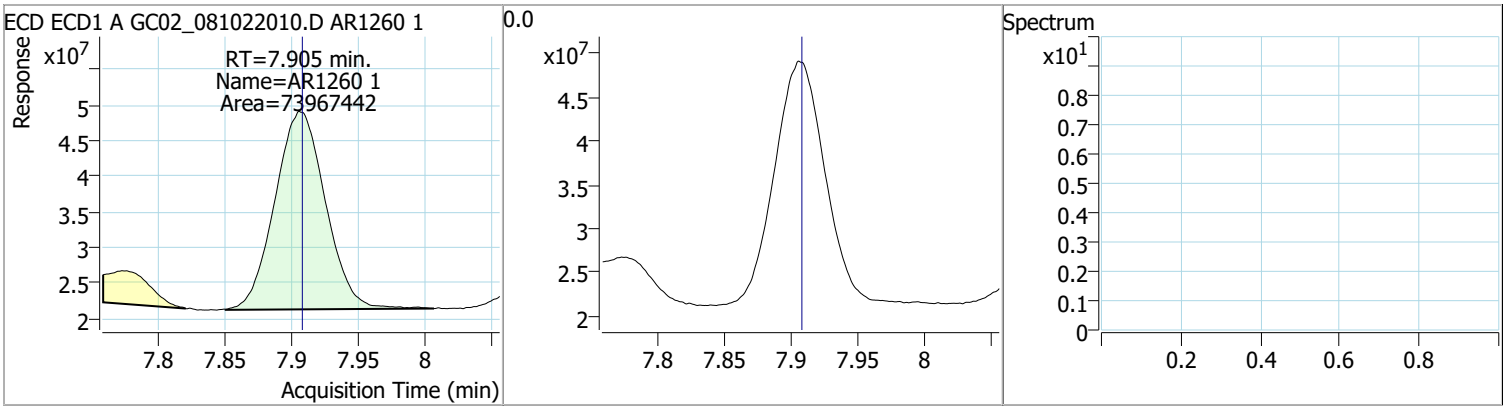
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	378.8991	6.48	0.00	2945333				



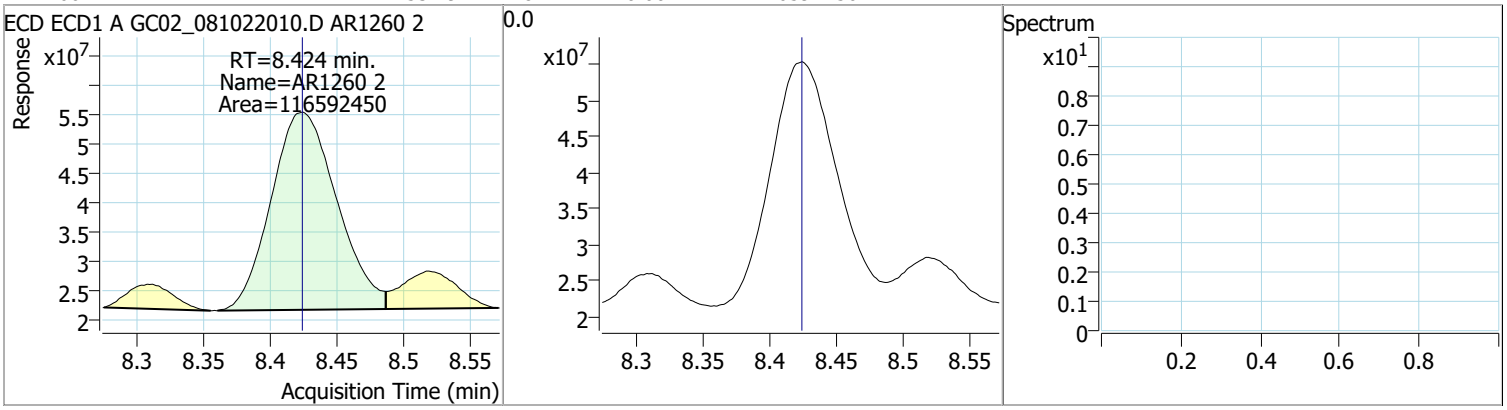
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	381.2996	7.27	0.00	2412646				



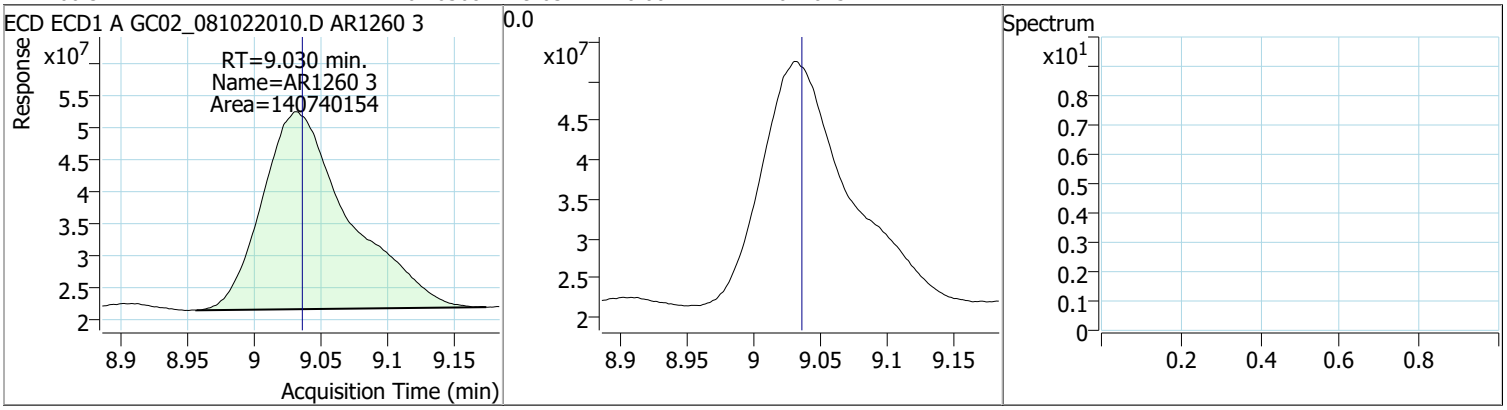
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	445.6448	7.91	0.00	73967442				



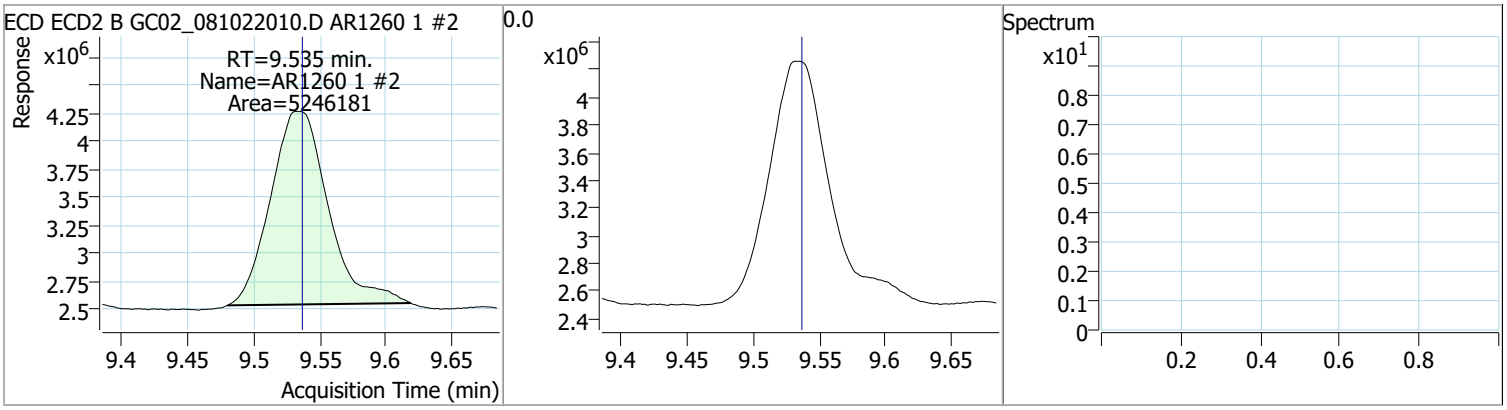
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	453.1974	8.42	0.00	116592450				



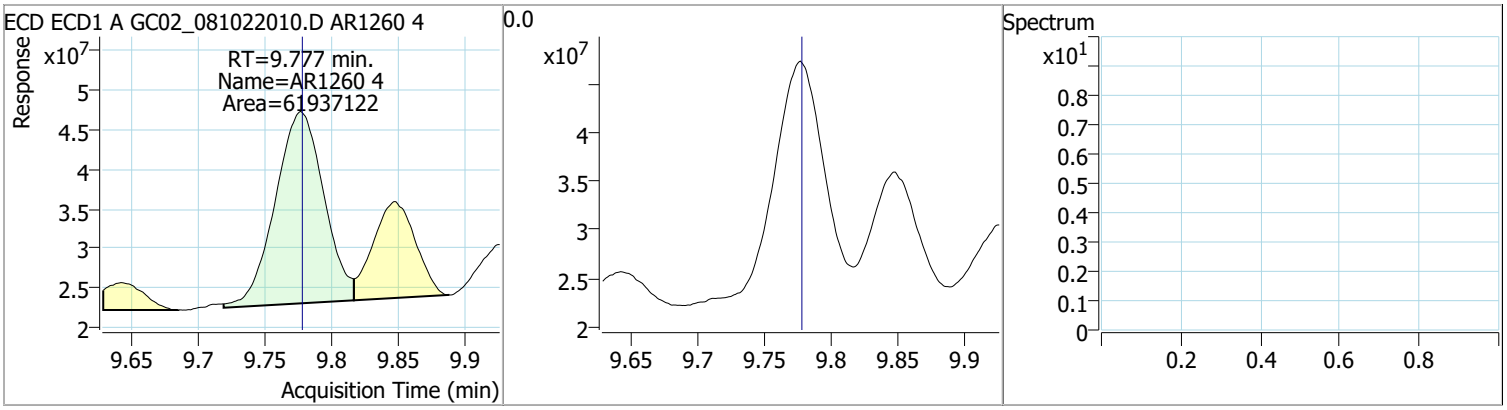
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	464.0368	9.03	0.00	140740154				



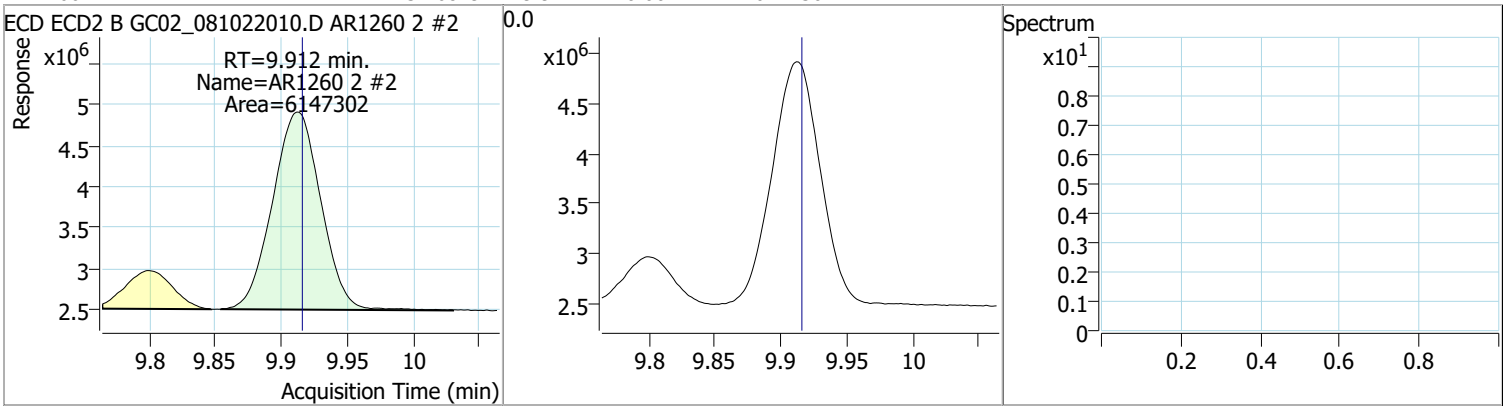
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	403.1225	9.54	0.00	5246181				



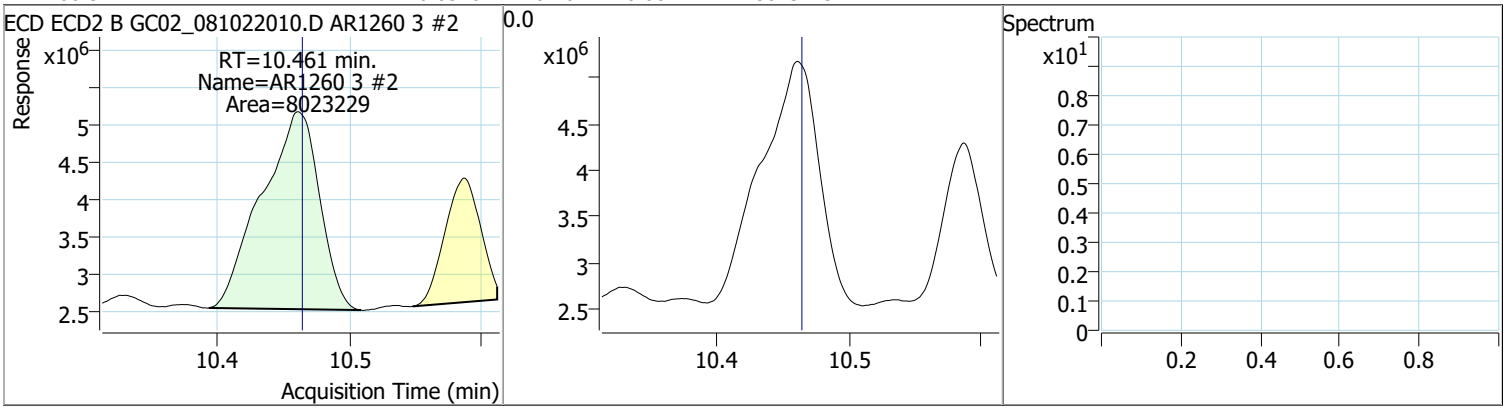
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	451.1494	9.78	0.00	61937122				



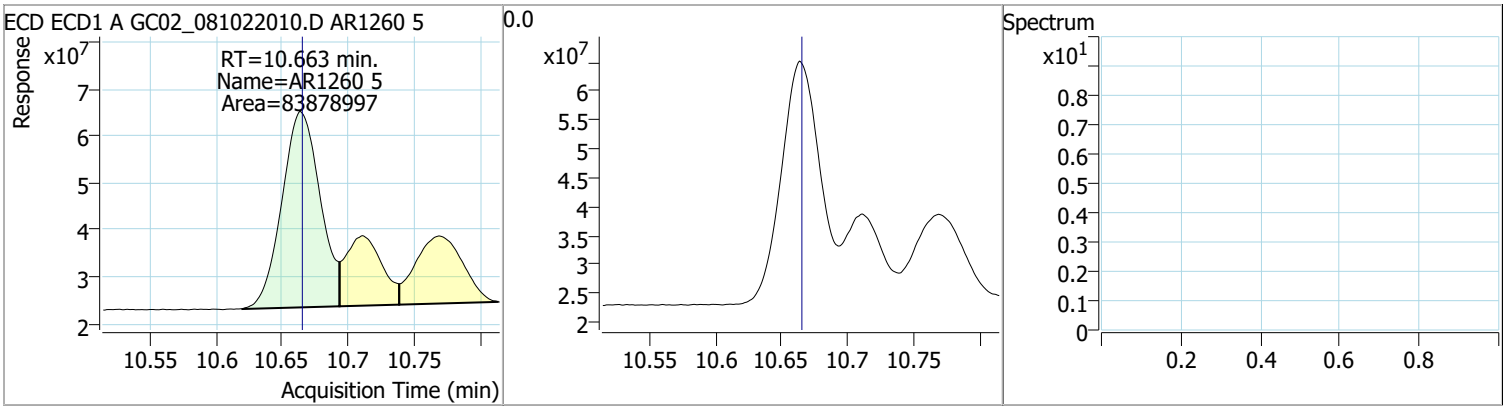
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	431.6879	9.91	0.00	6147302				



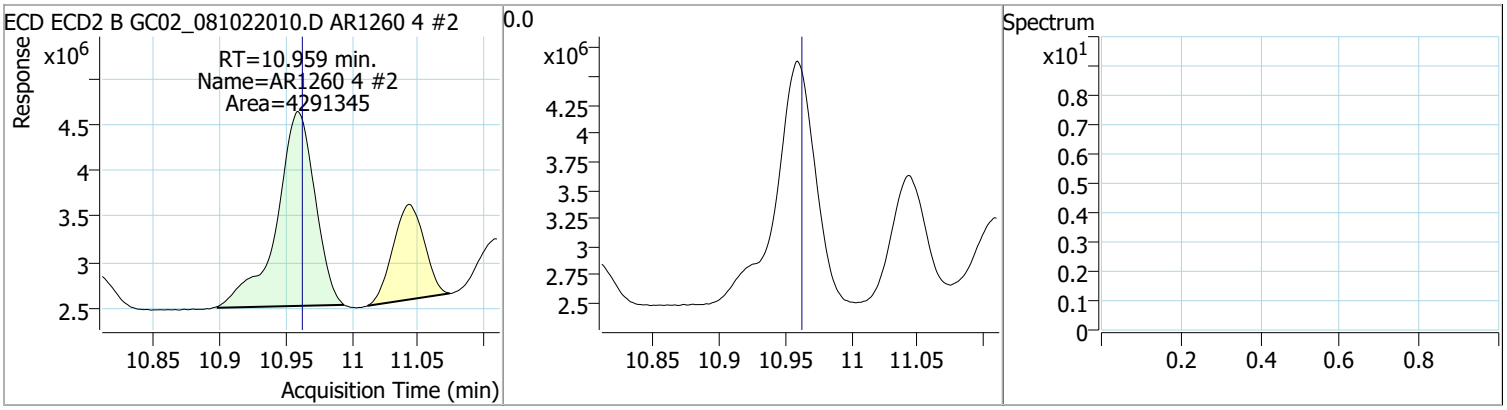
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	426.0528	10.46	0.00	8023229				



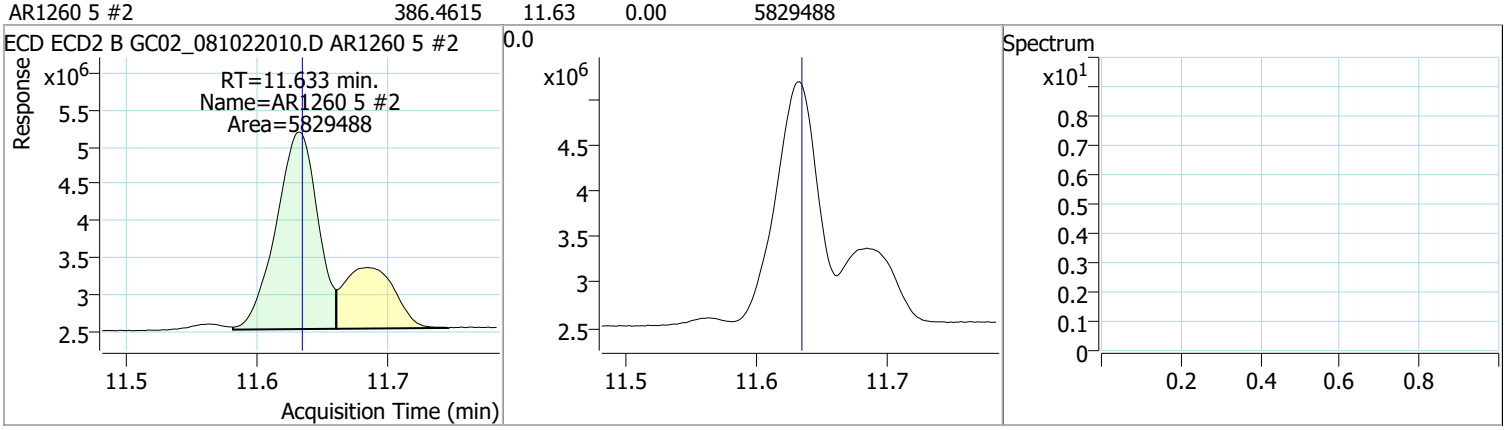
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	420.0785	10.66	0.00	83878997				



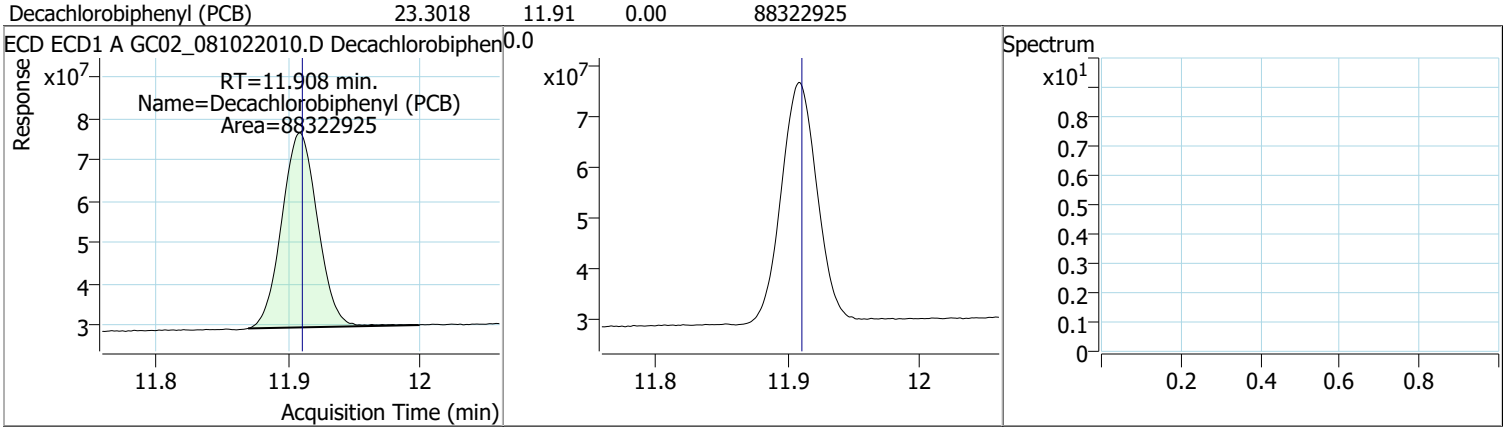
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	408.2871	10.96	0.00	4291345				



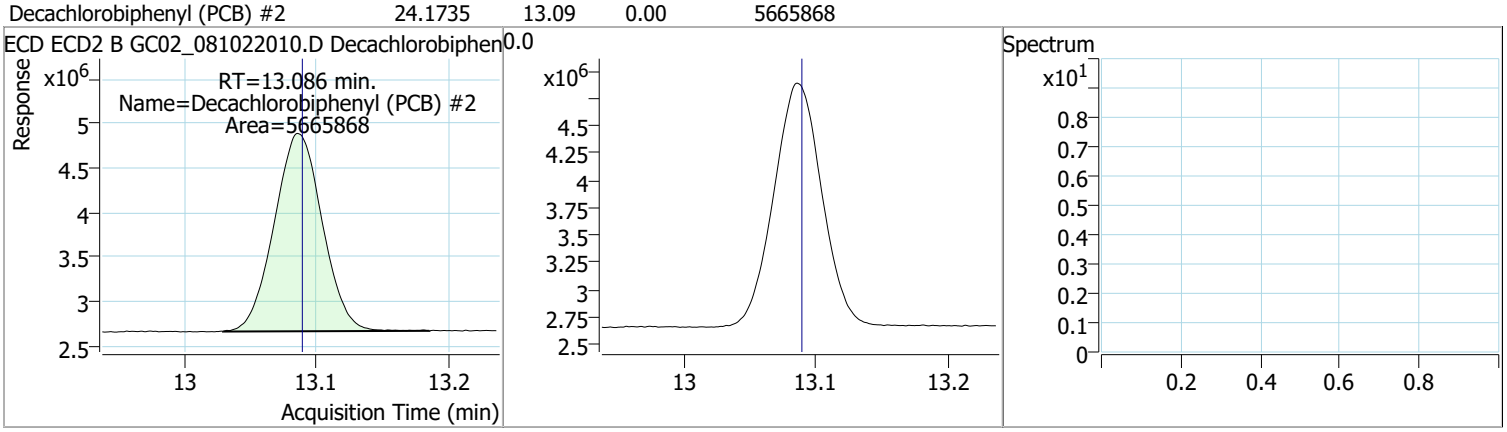
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	386.4615	11.63	0.00	5829488				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	23.3018	11.91	0.00	88322925				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	24.1735	13.09	0.00	5665868				



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 467089
Report Level: IV
Report Date: 01/06/2023

Metals

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	467089
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/09/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.6GW-INT-17TO18-220808-L-CB	467089-002	08/08/22 10:28	Wipe
DOOR-N-0.8GW-PS-17-220808-L-LA	467089-004	08/08/22 11:10	Wipe
DOOR-N-0.6GE-EXT-3 TO 4-220808-L-CB	467089-006	08/08/22 10:00	Wipe
DOOR-N-0.8GE-DG-3 TO 17-220808-L-G	467089-008	08/08/22 11:10	Wipe
DOOR-N-0.9GE-DG-4 TO 17-220808-L-LA	467089-010	08/08/22 10:15	Wipe

Case Narrative

METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 467089 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 08/09/22

This data package contains sample and QC results for five wipe samples, requested for the above referenced project on 08/09/22. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

1/67089

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
1	DOOR-N-0.6GW-INT-17 TO 18-220808-P-CB	8/8/2022	1028	WP	1		X		
2	DOOR-N-0.6GW-INT-17 TO 18-220808-L-CB	8/8/2022	1028	WP	1			X	
3	DOOR-N-0.8GW-PS-17-220808-P-LA	8/8/2022	1110	WP	1		X		
4	DOOR-N-0.8GW-PS-17-220808-L-LA	8/8/2022	1110	WP	1			X	
5	DOOR-N-0.6GE-EXT-3 TO 4-220808-P-CB	8/8/2022	1000	WP	1		X		
6	DOOR-N-0.6GE-EXT-3 TO 4-220808-L-CB	8/8/2022	1000	WP	1			X	
7	DOOR-N-0.8GE-DG-3 TO 17-220808-P-G	8/8/2022	1110	WP	1		X		
8	DOOR-N-0.8GE-DG-3 TO 17-220808-L-G	8/8/2022	1110	WP	1			X	
9	DOOR-N-0.9GE-DG-4 TO 17-220808-P-LA	8/8/2022	1015	WP	1		X		
10	DOOR-N-0.9GE-DG-4 TO 17-220808-L-LA	8/8/2022	1015	WP	1			X	
11									
12									
13									
14									
15									

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure B (high occupancy)

6x Rivet Type 2 = 0.060ft²

2x Rivet Type 3 = 0.035ft²

6x Rivet Type 2 = 0.060ft²

2x Rivet Type 1 = 0.0276ft²

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Donald Welsh	Rincon Consultants	8/8/22 17:45
1 Received By:		yamila	CA	8/9/2022 09:47
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants, Inc. Project: Hangar 1 - NCTRA WP / 158 Cody Road. Mountain View, CA

Date Received: 8/9/2022 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3-4 #2: _____ #3: _____ #4: _____

(Acceptonce range is < 6°C but not frazen (for Microbiology samples, acceptance ronge is < 10°C but not frozen). It is acceptable for samples collected the same doy as sample receipt to hove a higher temperoture as lang as there is evidence thot cooling has begun.)

Shipping Information: Fedex

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1-6 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?	✓		
If custody seals are present, were they intact?	✓		
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____ ☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yanita Date: 8/9/2022

ORIGIN ID:NUQA (619) 977-6886
KERRY CAMPBELL

1935 W EL CAMINO REAL

MOUNTAIN VIEW, CA 94040
UNITED STATES US

SHIP DATE: 08AUG22
ACTWGT: 30.00 LB
CAD: 254485286/INET4490
DIMS: 23x13x14 IN

BILL SENDER

TO **SAMPLE RECEIVING**
ENTHALPY ANALYTICAL
931 W BARKLEY AVE

ORANGE CA 92868
(510) 204-2233
INV:
PO: 20-10491
REF: MOFFETT
DEPT:

581J2/F39D/FE4A

FedEx Express

TRK# 7776 0520 4341
0201

92 APVA

92868
SNA
CA-US

TUE - 09 AUG 10:30A
PRIORITY OVERNIGHT

CUSTODY SEAL

ENVIRONMENTAL SAMPLING SUPPLY
www.essvial.com 800-

Date: 8/8/22

Signature:

label:

on on this page to print your label to your laser or inkjet printer.
ige along the horizontal line.
ping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

...e printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in ...additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 467089 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.6GW-INT-17TO18-220808-L-CB **Batch#:** 294757 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/08/22 **Analysis:** EPA 6010B
Lab ID: 467089-002 **Received:** 08/09/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/10/22
Diln Fac: 1.000 **Analyzed:** 08/10/22

467089-002 Analyte	Result	RL	Units
Lead	**150**	0.47	ug/ft2

Field ID: DOOR-N-0.8GW-PS-17-220808-L-LA **Batch#:** 294757 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/08/22 **Analysis:** EPA 6010B
Lab ID: 467089-004 **Received:** 08/09/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/10/22
Diln Fac: 1.000 **Analyzed:** 08/10/22

467089-004 Analyte	Result	RL	Units
Lead	**110**	0.60	ug/ft2

Field ID: DOOR-N-0.6GE-EXT-3 TO 4-220808-L-CB **Batch#:** 294757 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/08/22 **Analysis:** EPA 6010B
Lab ID: 467089-006 **Received:** 08/09/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/10/22
Diln Fac: 1.000 **Analyzed:** 08/10/22

467089-006 Analyte	Result	RL	Units
Lead	**160**	0.50	ug/ft2

Field ID: DOOR-N-0.8GE-DG-3 TO 17-220808-L-G **Batch#:** 294757 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/08/22 **Analysis:** EPA 6010B
Lab ID: 467089-008 **Received:** 08/09/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/10/22
Diln Fac: 1.000 **Analyzed:** 08/10/22

467089-008 Analyte	Result	RL	Units
Lead	**110**	0.47	ug/ft2

Field ID: DOOR-N-0.9GE-DG-4 TO 17-220808-L-LA **Batch#:** 294757 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/08/22 **Analysis:** EPA 6010B
Lab ID: 467089-010 **Received:** 08/09/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/10/22
Diln Fac: 1.000 **Analyzed:** 08/10/22

467089-010 Analyte	Result	RL	Units
Lead	**290**	0.49	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 467089 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type:	BLANK	**Batch#:**	294757	**Analysis:**	EPA 6010B
Lab ID:	QC1005773	**Prepared:**	08/10/22	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	08/10/22		
DiIn Fac:	1.000	**Prep:**	EPA 3050B		

QC1005773 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 467089 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 294757 **Analysis:** EPA 6010B

Lab ID: QC1005774 **Prepared:** 08/10/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 08/10/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1005774 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	104.1	104	80-120	ug/ft2

Type: BSD **Batch#:** 294757 **Analysis:** EPA 6010B

Lab ID: QC1005775 **Prepared:** 08/10/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 08/10/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1005775 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	108.3	108	80-120	ug/ft2	4	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 467089 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB	
467089-002	MET06	08/10/22 10:20	1.0	+	
467089-004	MET06	08/10/22 10:24	1.0	+	
467089-006	MET06	08/10/22 10:27	1.0	+	
467089-008	MET06	08/10/22 10:30	1.0	+	
467089-010	MET06	08/10/22 10:33	1.0	+	
QC1005773	MET06	08/10/22 10:04	1.0	+	
QC1005774	MET06	08/10/22 10:07	1.0	+	
QC1005775	MET06	08/10/22 10:17	1.0	+	

Enthalpy Sequence Summary for Sequence 482320208

Instrument : MET06 Begun : 08/10/22 08:48
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			08/10/22 08:48	1.0	1	
002	met06_master	ICAL	L1			08/10/22 08:51	1.0	2 1	
003	met06_master	ICAL	L2			08/10/22 08:54	1.0	3 1	
004	met06_master	ICAL	L3			08/10/22 08:58	1.0	4 1	
005	met06_master	ICAL	L4			08/10/22 09:01	1.0	5 1	
006	met06_master	ICAL	L5			08/10/22 09:04	1.0	6 1	
007	met06_master	ICAL	L6			08/10/22 09:08	1.0	7 1	
008	met06_master	ICAL	L7			08/10/22 09:11	1.0	8 1	
009	met06_master	ICAL	L8			08/10/22 09:14	1.0	9 1	
010	met06_master	ICV				08/10/22 09:18	1.0	10 1	
011	met06_master	XCRI				08/10/22 09:21	1.0	11 1	
012	met06_master	CRI				08/10/22 09:25	1.0	11 1	
013	met06_master	ICB				08/10/22 09:28	1.0	1	
014	met06_master	ICSA				08/10/22 09:31	1.0	12 1	5:MGASMGCO3=1400
015	met06_master	ICSAB				08/10/22 09:35	1.0	13 1	4:MGASMGCO3=1400
016	met06_master	BLANK	QC1005619	Air	294688	08/10/22 09:38	1.0	1	
017	met06_master	BS	QC1005620	Air	294688	08/10/22 09:41	1.0	1	
018	met06_master	BSD	QC1005621	Air	294688	08/10/22 09:44	1.0	1	
019	met06_master	SAMPLE	466773-004	Filtrate	294705	08/10/22 09:48	10.0	1	
020	met06_master	SAMPLE	466773-010	Filtrate	294705	08/10/22 09:51	10.0	1	
021	met06_master	SAMPLE	467104-001	Air	294688	08/10/22 09:54	1.0	1	
022	met06_master	SAMPLE	467104-003	Air	294688	08/10/22 09:57	1.0	1	
023	met06_master	SAMPLE	467104-004	Air	294688	08/10/22 10:01	1.0	1	
024	met06_master	BLANK	QC1005773	Wipe	294757	08/10/22 10:04	1.0	1	
025	met06_master	BS	QC1005774	Wipe	294757	08/10/22 10:07	1.0	1	
026	met06_master	CCV				08/10/22 10:10	1.0	10 1	
027	met06_master	CCB				08/10/22 10:14	1.0	1	
028	met06_master	BSD	QC1005775	Wipe	294757	08/10/22 10:17	1.0	1	
029	met06_master	SAMPLE	467089-002	Wipe	294757	08/10/22 10:20	1.0	1	
030	met06_master	SAMPLE	467089-004	Wipe	294757	08/10/22 10:24	1.0	1	
031	met06_master	SAMPLE	467089-006	Wipe	294757	08/10/22 10:27	1.0	1	
032	met06_master	SAMPLE	467089-008	Wipe	294757	08/10/22 10:30	1.0	1	
033	met06_master	SAMPLE	467089-010	Wipe	294757	08/10/22 10:33	1.0	1	
034	met06_master	SAMPLE	467095-002	Wipe	294757	08/10/22 10:37	1.0	1	
035	met06_master	SAMPLE	467095-004	Wipe	294757	08/10/22 10:40	1.0	1	
036	met06_master	SAMPLE	467095-007	Wipe	294757	08/10/22 10:43	1.0	1	
037	met06_master	SAMPLE	467095-010	Wipe	294757	08/10/22 10:46	1.0	1	
038	met06_master	CCV				08/10/22 10:50	1.0	10 1	
039	met06_master	CCB				08/10/22 10:53	1.0	1	
040	met06_master	SAMPLE	467095-012	Wipe	294757	08/10/22 10:56	1.0	1	
041	met06_master	SAMPLE	467095-014	Wipe	294757	08/10/22 10:59	1.0	1	
042	met06_master	CCV				08/10/22 11:03	1.0	10 1	
043	met06_master	CCB				08/10/22 11:06	1.0	1	
044	met06_master	BLANK	QC1004804	Water	294421	08/10/22 11:09	1.0	1	
045	met06_master	LCS	QC1004805	Water	294421	08/10/22 11:13	1.0	1	
046	met06_master	SAMPLE	466812-001	Water	294421	08/10/22 11:16	10.0	1	2:NA=2200

SBW 08/10/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 045.

Standards used: 1=S13369 2=S17110 3=S17109 4=S17108 5=S17107 6=S16645 7=S17115 8=S17113 9=S17048 10=S17024 11=S16646 12=S16979 13=S17065

Enthalpy Internal Standard Summary for Sequence 482320208

Date : 08/10/22 Reference : met06_master
Sequence : MET06 08/10/22 Analyzed : 08/10/22 08:48

#	Type	Sample ID	Y H	Y A	Y R
		ICALBLK STD	29316289	1489287	477115
		LOWER LIMIT	8794887	446786	143135
		UPPER LIMIT	58632578	2978574	954230
013	ICB		27932064	1489892	456171
014	ICSA		25458578	1340538	417859
015	ICSAB		25427618	1339614	418595
016	BLANK	QC1005619	27830411	1469599	450568
017	BS	QC1005620	27436731	1456119	442672
018	BSD	QC1005621	27417628	1469878	443083
019	SAMPLE	466773-004	29924927	1605790	467859
020	SAMPLE	466773-010	29367692	1567002	464536
021	SAMPLE	467104-001	27873592	1463544	449830
022	SAMPLE	467104-003	28233646	1489857	448986
023	SAMPLE	467104-004	28194411	1505628	447686
024	BLANK	QC1005773	28502713	1508975	456417
025	BS	QC1005774	27939674	1489044	451943
026	CCV		26073395	1400746	418228
027	CCB		27623138	1484981	440222
028	BSD	QC1005775	27158069	1443324	433185
029	SAMPLE	467089-002	27283487	1444875	434984
030	SAMPLE	467089-004	27479225	1449689	438439
031	SAMPLE	467089-006	27350345	1438434	440473
032	SAMPLE	467089-008	27194877	1443433	439212
033	SAMPLE	467089-010	27400138	1451016	439123
034	SAMPLE	467095-002	27523118	1448801	432608
035	SAMPLE	467095-004	27459668	1456044	440679
036	SAMPLE	467095-007	27467649	1444076	435110
037	SAMPLE	467095-010	27426874	1446263	437744
038	CCV		26434501	1419711	422446
039	CCB		28002302	1509705	440288
040	SAMPLE	467095-012	27390588	1449439	434527
041	SAMPLE	467095-014	27593898	1445975	436510
042	CCV		26343238	1423339	425977
043	CCB		28199419	1517633	444947
044	BLANK	QC1004804	28725457	1552660	450734
045	LCS	QC1004805	27667726	1506626	443723
046	SAMPLE	466812-001	23982326	1313976	397850

ENTHALPY INITIAL CALIBRATION FOR 467089 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482320208001	Date:	10-AUG-2022 08:48
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482320208002	L1	10-AUG-2022 08:51	S17110, S13369 (100X)
L2	met06_master	482320208003	L2	10-AUG-2022 08:54	S17109, S13369 (100X)
L3	met06_master	482320208004	L3	10-AUG-2022 08:58	S17108, S13369 (100X)
L4	met06_master	482320208005	L4	10-AUG-2022 09:01	S17107, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0248	0.0387	0.0387	0.0362	WB1K	8.77E-4	27.5665		0.0346	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	-5	0.1000	8	1.0000	7	10.000	0

SBW 08/10/22 : al low point not passing

SBW 08/10/22 : li k rpd icv

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 467089 METALS Wipe
EPA 6010B

Inst : MET06
Calnum : 482320208001 Cal Date : 10-AUG-2022

ICV 482320208010 (10-AUG-2022) stds: S17024, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	1.016	mg/l	2	

ENTHALPY INSTRUMENT BLANK FOR 467089 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482320208013 File : met06_master Time : 10-AUG-2022 09:28
Cal : 482320208001 Caldate : 10-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29316289	27932064	-4.72
Yttrium	A	1489287	1489892	0.04
Yttrium	R	477115	456171	-4.39

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 467089 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482320208014 File : met06_master Time : 10-AUG-2022 09:31
Cal : 482320208001 Caldate : 10-AUG-2022
Standards: S16979, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[0.002084]	0.003333	mg/l	

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	142.5	mg/l	89	
Aluminum	R	400.0	380.9	mg/l	95	
Calcium	R	400.0	403.5	mg/l	101	
Magnesium	R	400.0	412.9	mg/l	103	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29316289	25458578	-13.16
Yttrium	A	1489287	1340538	-9.99
Yttrium	R	477115	417859	-12.42

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 467089 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482320208015 File : met06_master Time : 10-AUG-2022 09:35
Cal : 482320208001 Caldate : 10-AUG-2022
Standards: S17065, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.000	mg/l	0	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29316289	25427618	-13.26
Yttrium	A	1489287	1339614	-10.05
Yttrium	R	477115	418595	-12.27

ENTHALPY CONTINUING CALIBRATION FOR 467089 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482320208026 File : met06_master Time : 10-AUG-2022 10:10
Cal : 482320208001 Caldate : 10-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0346	0.0387	1.000	1.067	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29316289	26073395	-11.06
Yttrium	A	1489287	1400746	-5.95
Yttrium	R	477115	418228	-12.34

ENTHALPY INSTRUMENT BLANK FOR 467089 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482320208027 File : met06_master Time : 10-AUG-2022 10:14
Cal : 482320208001 Caldate : 10-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29316289	27623138	-5.78
Yttrium	A	1489287	1484981	-0.29
Yttrium	R	477115	440222	-7.73

ENTHALPY CONTINUING CALIBRATION FOR 467089 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482320208038 File : met06_master Time : 10-AUG-2022 10:50
Cal : 482320208001 Caldate : 10-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0346	0.0390	1.000	1.076	mg/l	8	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29316289	26434501	-9.83
Yttrium	A	1489287	1419711	-4.67
Yttrium	R	477115	422446	-11.46

ENTHALPY INSTRUMENT BLANK FOR 467089 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482320208039 File : met06_master Time : 10-AUG-2022 10:53
Cal : 482320208001 Caldate : 10-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29316289	28002302	-4.48
Yttrium	A	1489287	1509705	1.37
Yttrium	R	477115	440288	-7.72

SAMPLE PREPARATION SUMMARY

Batch # : 294757 Analysis : ICP
Started By : DLS Prep Date : 10-AUG-2022 07:00 Finished By : DLS
Method : 3050B Units : ft2
Spike #1 ID : S16855 Spike #2 ID : S16906

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
467089-002		Wipe	1.06	100	1	94.34						6010	
467089-004		Wipe	1.035	100	1	96.62						6010	
467089-006		Wipe	1	100	1	100.0						6010	
467089-008		Wipe	1.06	100	1	94.34						6010	
467089-010		Wipe	1.0276	100	1	97.31						6010	
467095-002		Wipe	1.02	100	1	98.04						6010	
467095-004		Wipe	1.02	100	1	98.04						6010	
467095-007		Wipe	1.02	100	1	98.04						6010	
467095-010		Wipe	1.06	100	1	94.34						6010	
467095-012		Wipe	1	100	1	100.0						6010	
467095-014		Wipe	1	100	1	100.0						6010	
QC1005773	BLANK	Wipe	1	100	1	100.0						ICP	
QC1005774	BS	Wipe	1	100	1	100.0		1	1			ICP	
QC1005775	BSD	Wipe	1	100	1	100.0		1	1			ICP	

Analyst: SBW Date: 08/10/22 Reviewer: SLL Date: 08/10/22

ICP Prep Log

Initials: DS Prep Method: 3050B / 3010A / 200.7 / STLC QC Batch #: 294757 Thermometer ID: 918625

Prep Start, Date/Time: 8/10/22 7:00 Prep End, Date/Time: 8/10/22 8:08 HotBlock Temperature, °C: 95

HotBlock ID: 3

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Vol. or Weight (mL or g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	-----	-----	-----	NA	NA	100	MKD015 20220627	
LCS	-----	-----	-----	↓	↓	↓	↓	
LCSD	—	—	—	↓	↓	↓	↓	
467089-2	A	NA	wipe	1 wipe	↓	↓	↓	
-4	A	↓	↓	↓	↓	↓	↓	
-6	A	↓	↓	↓	↓	↓	↓	
-8	A	↓	↓	↓	↓	↓	↓	
-10	A	↓	↓	↓	↓	↓	↓	
467095-2	A	↓	↓	↓	↓	↓	↓	
-4	A	↓	↓	↓	↓	↓	↓	
-7	A	↓	↓	↓	↓	↓	↓	
-10	A	↓	↓	↓	↓	↓	↓	
-12	A	↓	↓	↓	↓	↓	↓	
-14	A	↓	↓	↓	↓	↓	↓	

DS 8/10/22

Hydrochloric Acid ID: 10mL - 22160119

Nitric Acid ID: 10mL - 20220509 38

H_2O_2 ID: 3mL - 131500

LCS Spike ID: 1mL - 516855/516906

MS/MSD Spike ID: NA

ICP Raw Data

Enthalpy Sequence Summary for Sequence 482320208

Instrument : MET06 Begun : 08/10/22 08:48
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			08/10/22 08:48	1.0	1	
002	met06_master	ICAL	L1			08/10/22 08:51	1.0	2 1	
003	met06_master	ICAL	L2			08/10/22 08:54	1.0	3 1	
004	met06_master	ICAL	L3			08/10/22 08:58	1.0	4 1	
005	met06_master	ICAL	L4			08/10/22 09:01	1.0	5 1	
006	met06_master	ICAL	L5			08/10/22 09:04	1.0	6 1	
007	met06_master	ICAL	L6			08/10/22 09:08	1.0	7 1	
008	met06_master	ICAL	L7			08/10/22 09:11	1.0	8 1	
009	met06_master	ICAL	L8			08/10/22 09:14	1.0	9 1	
010	met06_master	ICV				08/10/22 09:18	1.0	10 1	
011	met06_master	XCRI				08/10/22 09:21	1.0	11 1	
012	met06_master	CRI				08/10/22 09:25	1.0	11 1	
013	met06_master	ICB				08/10/22 09:28	1.0	1	
014	met06_master	ICSA				08/10/22 09:31	1.0	12 1	5:MGASMGCO3=1400
015	met06_master	ICSAB				08/10/22 09:35	1.0	13 1	4:MGASMGCO3=1400
016	met06_master	BLANK	QC1005619	Air	294688	08/10/22 09:38	1.0	1	
017	met06_master	BS	QC1005620	Air	294688	08/10/22 09:41	1.0	1	
018	met06_master	BSD	QC1005621	Air	294688	08/10/22 09:44	1.0	1	
019	met06_master	SAMPLE	466773-004	Filtrate	294705	08/10/22 09:48	10.0	1	
020	met06_master	SAMPLE	466773-010	Filtrate	294705	08/10/22 09:51	10.0	1	
021	met06_master	SAMPLE	467104-001	Air	294688	08/10/22 09:54	1.0	1	
022	met06_master	SAMPLE	467104-003	Air	294688	08/10/22 09:57	1.0	1	
023	met06_master	SAMPLE	467104-004	Air	294688	08/10/22 10:01	1.0	1	
024	met06_master	BLANK	QC1005773	Wipe	294757	08/10/22 10:04	1.0	1	
025	met06_master	BS	QC1005774	Wipe	294757	08/10/22 10:07	1.0	1	
026	met06_master	CCV				08/10/22 10:10	1.0	10 1	
027	met06_master	CCB				08/10/22 10:14	1.0	1	
028	met06_master	BSD	QC1005775	Wipe	294757	08/10/22 10:17	1.0	1	
029	met06_master	SAMPLE	467089-002	Wipe	294757	08/10/22 10:20	1.0	1	
030	met06_master	SAMPLE	467089-004	Wipe	294757	08/10/22 10:24	1.0	1	
031	met06_master	SAMPLE	467089-006	Wipe	294757	08/10/22 10:27	1.0	1	
032	met06_master	SAMPLE	467089-008	Wipe	294757	08/10/22 10:30	1.0	1	
033	met06_master	SAMPLE	467089-010	Wipe	294757	08/10/22 10:33	1.0	1	
034	met06_master	SAMPLE	467095-002	Wipe	294757	08/10/22 10:37	1.0	1	
035	met06_master	SAMPLE	467095-004	Wipe	294757	08/10/22 10:40	1.0	1	
036	met06_master	SAMPLE	467095-007	Wipe	294757	08/10/22 10:43	1.0	1	
037	met06_master	SAMPLE	467095-010	Wipe	294757	08/10/22 10:46	1.0	1	
038	met06_master	CCV				08/10/22 10:50	1.0	10 1	
039	met06_master	CCB				08/10/22 10:53	1.0	1	
040	met06_master	SAMPLE	467095-012	Wipe	294757	08/10/22 10:56	1.0	1	
041	met06_master	SAMPLE	467095-014	Wipe	294757	08/10/22 10:59	1.0	1	
042	met06_master	CCV				08/10/22 11:03	1.0	10 1	
043	met06_master	CCB				08/10/22 11:06	1.0	1	
044	met06_master	BLANK	QC1004804	Water	294421	08/10/22 11:09	1.0	1	
045	met06_master	LCS	QC1004805	Water	294421	08/10/22 11:13	1.0	1	
046	met06_master	SAMPLE	466812-001	Water	294421	08/10/22 11:16	10.0	1	2:NA=2200

SBW 08/10/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 045.

Standards used: 1=S13369 2=S17110 3=S17109 4=S17108 5=S17107 6=S16645 7=S17115 8=S17113 9=S17048 10=S17024 11=S16646 12=S16979 13=S17065

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467089-002	Client ID	: DOOR-N-0.6GW-INT-17TO18-220808-L-CB
Seqnum	: 482320208029	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 294757	Time	: 10-AUG-2022 10:20
Cal	: 482320208001	Caldate	: 10-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.06 ft2 --> 100.0 ml = 94.34 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.540	150	0.47		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1489287	1444875	-2.98

u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467089-002,294757			Sample Type: Unknown Sample
Measure Date: 2022-08-10 10:20:45	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	52731.15700	8262.54670	5924.14570	8973.20650	12318.62300	150725	9210.62060
Int RSD	*0.48827328*	*0.81439242*	*0.96723521*	*0.41455795*	*0.59755301*	*0.24648098*	*0.26549705*
Int SD	*257.47215000*	*67.28955400*	*57.30042300*	*37.19914100*	*73.61030200*	*371.50863000*	*24.45392600*
RelInt Mean	0.00002358	0.01418000	-0.00006308	0.00168243	0.00327114	0.34720795	0.00148353
RelInt RSD	*43.55971125*	*1.26817603*	*40.04921568*	*2.83851470*	*0.44448569*	*0.29210129*	*0.88844638*
RelInt SD	*0.00001027*	*0.00017983*	*0.00002526*	*0.00004776*	*0.00001454*	*0.00101420*	*0.00001318*
Conc Mean	<-0.00063265[mg/l]	1.98339940[mg/l]	<-0.00019215[mg/l]	0.00872789[mg/l]	0.00991071[mg/l]	18.31330400[mg/l]	0.00823922[mg/l]
Conc RSD	*56.52361164*	*1.36101402*	*575.58420772*	*6.51388537*	*0.46338585*	*0.29390813*	*0.98942066*
Conc SD	*0.00035760[mg/l]*	*0.02699434[mg/l]*	*0.00110601[mg/l]*	*0.00056853[mg/l]*	*0.00004592[mg/l]*	*0.05382429[mg/l]*	*0.00008152[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	13129.74800	280483	25700899	3947.22750	7043.80150	803841	6367.75130
Int RSD	*0.26959428*	*1.12417356*	*0.24564298*	*1.05957440*	*0.21874374*	*0.88266664*	*1.39381263*
Int SD	*35.39704900*	*3153.11280*	*63132.45400*	*41.82381200*	*15.40787500*	*7095.23820*	*88.75452200*
RelInt Mean	0.00462934	0.00867902	17.90499600	0.00875595	0.01121757	0.55372490	0.00037486
RelInt RSD	*0.78564711*	*1.18026742*	*0.30748215*	*1.41949723*	*0.88415945*	*1.10778813*	*15.89437826*
RelInt SD	*0.00003637*	*0.00010244*	*0.05505467*	*0.00012429*	*0.00009918*	*0.00613410*	*0.00005958*
Conc Mean	0.03098535[mg/l]	0.23640677[mg/l]	58.40684300[mg/l]	8.07232620[mg/l]	3.46950650[mg/l]	0.35188931[mg/l]	0.00265502[mg/l]
Conc RSD	*0.79079058*	*1.21683195*	*0.30748721*	*1.55283133*	*0.89951392*	*1.10898902*	*16.04855755*
Conc SD	*0.00024503[mg/l]*	*0.00287667[mg/l]*	*0.17959357[mg/l]*	*0.12534961[mg/l]*	*0.03120869[mg/l]*	*0.00390241[mg/l]*	*0.00042609[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	89271.41800	29048.65200	88451.78600	6740.10740	5669.85260	8525.00510	12428.82200
Int RSD	*0.51543531*	*0.36209136*	*0.49796417*	*0.90792538*	*0.28445172*	*0.73846217*	*0.92397912*
Int SD	*460.13641000*	*105.18266000*	*440.45820000*	*61.19514600*	*16.12799300*	*62.95393800*	*114.83972000*
RelInt Mean	0.18678757	0.01492420	0.05586233	0.00056199	0.00003834	0.00091848	0.02558563
RelInt RSD	*0.95025852*	*0.75683901*	*0.79970879*	*9.02743305*	*80.89799024*	*3.01337050*	*2.12981949*
RelInt SD	*0.00177496*	*0.00011295*	*0.00044674*	*0.00005073*	*0.00003102*	*0.00002768*	*0.00054493*
Conc Mean	8.33535400[mg/l]	0.12053779[mg/l]	1.54034530[mg/l]	0.02370915[mg/l]	<0.00172929[mg/l]	0.01538410[mg/l]	0.02071474[mg/l]
Conc RSD	*1.05483017*	*0.76510640*	*0.79971400*	*8.89866913*	*79.36943384*	*3.18261816*	*2.11985405*
Conc SD	*0.08792383[mg/l]*	*0.00092224[mg/l]*	*0.01231836[mg/l]*	*0.00210980[mg/l]*	*0.00137253[mg/l]*	*0.00048962[mg/l]*	*0.00043912[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	484186	5220.29540	15881.29700	1444875	27283487	434984	1489228
Int RSD	*2.45761581*	*0.51743482*	*0.58376529*	*0.35990871*	*0.26211947*	*0.52967573*	*0.25460600*
Int SD	*11899.44200*	*27.01162600*	*92.70949900*	*5200.23240*	*71515.33100*	*2304.00320*	*3791.66260*
RelInt Mean	0.01569247	-0.00050227	0.00012841	---	---	---	1.03397740
RelInt RSD	*3.06128932*	*5.36421955*	*3.07963694*	---	---	---	*0.17813538*
RelInt SD	*0.00048039*	*0.00002694*	*0.00000395*	---	---	---	*0.00184188*
Conc Mean	0.13860477[mg/l]	<-0.02908119[mg/l]	0.00735857[mg/l]	1434797	27209571	433364	3.17874950[mg/l]
Conc RSD	*3.05725229*	*6.17859075*	*8.95884239*	---	---	---	*0.17817910*
Conc SD	*0.00423750[mg/l]*	*0.00179681[mg/l]*	*0.00065924[mg/l]*	*5166.52710*	*71512.70600*	*2367.86980*	*0.00566387[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	150.01755000	6631.05790	343696	26828.22900	7514.58100	123814	
Int RSD	*69.23433958*	*2.12397527*	*0.73142565*	*0.73386108*	*0.88040279*	*0.22901228*	
Int SD	*103.86366000*	*140.84203000*	*2513.88130*	*196.88193000*	*66.15858100*	*283.54942000*	
RelInt Mean	-0.00019998	0.00101104	0.23451622	0.01352024	0.00009817	0.08101400	
RelInt RSD	*164.05533477*	*36.23698390*	*0.79800033*	*1.13435279*	*54.59362031*	*0.13921715*	
RelInt SD	*0.00032808*	*0.00036637*	*0.00187144*	*0.00015337*	*0.00005360*	*0.00011279*	
Conc Mean	<0.00034124[mg/l]	<0.00547754[mg/l]	3.42650730[mg/l]	0.31251106[mg/l]	<-0.00010324[mg/l]	4.02873130[mg/l]	
Conc RSD	*278.34011344*	*74.05680768*	*0.80113543*	*1.14372157*	*176.01627276*	*0.14011056*	
Conc SD	*0.00094980[mg/l]*	*0.00405649[mg/l]*	*0.02745096[mg/l]*	*0.00357426[mg/l]*	*0.00018171[mg/l]*	*0.00564468[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467089-004	Client ID	: DOOR-N-0.8GW-PS-17-220808-L-LA
Seqnum	: 482320208030	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 294757	Time	: 10-AUG-2022 10:24
Cal	: 482320208001	Caldate	: 10-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.04 ft2 --> 100.0 ml = 96.62 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.9174	89	0.48		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1489287	1449689	-2.66

u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467089-004,294757			Sample Type: Unknown Sample
Measure Date: 2022-08-10 10:24:02	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	52392.47600	8097.66100	5983.29630	8891.28430	11785.36200	131357	9438.69130
Int RSD	*1.15298157*	*8.07313593*	*1.01407253*	*0.59918880*	*1.23581821*	*1.18496347*	*1.20601825*
Int SD	*604.07559000*	*653.73518000*	*60.67496400*	*53.27558000*	*145.64565000*	*1556.52950*	*113.83234000*
RelInt Mean	0.00002293	0.01410269	-0.00008475	0.00157354	0.00287195	0.30007060	0.00163822
RelInt RSD	*11.12047598*	*8.69118870*	*66.05290725*	*1.34768681*	*2.63807003*	*0.44087521*	*4.01789495*
RelInt SD	*0.00000255*	*0.00122569*	*0.00005598*	*0.00002121*	*0.00007576*	*0.00132294*	*0.00006582*
Conc Mean	<-0.00065533[mg/l]	1.97179480[mg/l]	<-0.00115249[mg/l]	0.00743152[mg/l]	0.00867235[mg/l]	15.81168000[mg/l]	0.00912565[mg/l]
Conc RSD	*13.54610096*	*9.33117432*	*212.58431664*	*3.39710305*	*2.73356422*	*0.44403659*	*4.09846814*
Conc SD	*0.00008877[mg/l]*	*0.18399161[mg/l]*	*0.00245000[mg/l]*	*0.00025246[mg/l]*	*0.00023706[mg/l]*	*0.07020964[mg/l]*	*0.00037401[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	16004.51500	345866	29772262	2969.34750	6633.61340	882284	5869.84330
Int RSD	*1.46007961*	*1.24587417*	*0.78042051*	*8.62730482*	*9.83838687*	*0.66099350*	*0.44694178*
Int SD	*233.67866000*	*4309.05940*	*232349*	*256.17466000*	*652.64055000*	*5831.83880*	*26.23478200*
RelInt Mean	0.00658154	0.01100528	20.67404000	0.00644405	0.01045913	0.60633696	-0.00001788
RelInt RSD	*1.88687615*	*1.52453650*	*0.70125002*	*7.47719230*	*10.44989893*	*1.32312495*	*43.51828152*
RelInt SD	*0.00012419*	*0.00016778*	*0.14497671*	*0.00048183*	*0.00109297*	*0.00802260*	*0.00000778*
Conc Mean	0.04413748[mg/l]	0.30173441[mg/l]	67.43978700[mg/l]	5.74072450[mg/l]	3.23085120[mg/l]	0.38536026[mg/l]	<-0.00015365[mg/l]
Conc RSD	*1.89554709*	*1.56153804*	*0.70126420*	*8.46478750*	*10.64479169*	*1.32443423*	*36.22409203*
Conc SD	*0.00083665[mg/l]*	*0.00471170[mg/l]*	*0.47293108[mg/l]*	*0.48594013[mg/l]*	*0.34391738[mg/l]*	*0.00510384[mg/l]*	*0.00005566[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	79578.89600	32264.99700	56148.13300	6375.65640	5742.58630	9577.42060	10504.94200
Int RSD	*6.14925042*	*0.43781275*	*0.73234011*	*0.34824286*	*0.28609526*	*0.25549239*	*8.84703790*
Int SD	*4893.50560*	*141.26027000*	*411.19530000*	*22.20276800*	*16.42926700*	*24.46958100*	*929.37620000*
RelInt Mean	0.16401243	0.01712728	0.03326393	0.00032600	0.00002287	0.00148128	0.02119256
RelInt RSD	*6.07786922*	*1.17940116*	*0.91031979*	*10.62664962*	*66.44569325*	*1.22623618*	*9.21133752*
RelInt SD	*0.00996846*	*0.00020200*	*0.00030281*	*0.00003464*	*0.00001520*	*0.00001816*	*0.00195212*
Conc Mean	7.20717510[mg/l]	0.13852575[mg/l]	0.91741790[mg/l]	0.01381869[mg/l]	<0.00104481[mg/l]	0.02534014[mg/l]	0.01717466[mg/l]
Conc RSD	*6.85140937*	*1.19061185*	*0.91374418*	*10.45651065*	*64.36770701*	*1.26804896*	*9.15934978*
Conc SD	*0.49379307[mg/l]*	*0.00164930[mg/l]*	*0.00838285[mg/l]*	*0.00144495[mg/l]*	*0.00067252[mg/l]*	*0.00032133[mg/l]*	*0.00157309[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	472332	5273.56570	15609.08500	1449689	27479225	438439	700789
Int RSD	*4.78841173*	*0.79673702*	*1.34209193*	*0.75808879*	*0.36148985*	*0.78016888*	*0.43845493*
Int SD	*22617.19900*	*42.01645000*	*209.48827000*	*10989.92600*	*99334.60800*	*3420.56080*	*3072.64460*
RelInt Mean	0.01516239	-0.00051630	0.00011601	---	---	---	0.48298838
RelInt RSD	*5.27452775*	*4.22475604*	*1.75789011*	---	---	---	*0.62118534*
RelInt SD	*0.00079974*	*0.00002181*	*0.00000204*	---	---	---	*0.00300025*
Conc Mean	0.13392893[mg/l]	<-0.02999211[mg/l]	0.00529150[mg/l]	1439554	27405356	436766	1.48444980[mg/l]
Conc RSD	*5.26732507*	*4.78598587*	*6.42651715*	---	---	---	*0.62151957*
Conc SD	*0.00705447[mg/l]*	*0.00143542[mg/l]*	*0.00034006[mg/l]*	*11019.82600*	*99197.59900*	*3460.23760*	*0.00922615[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	119.84006000	6089.72670	342819	28589.82900	7421.34090	117637	
Int RSD	*103.57694247*	*13.62768103*	*0.50504462*	*0.80672445*	*0.77670454*	*0.54075681*	
Int SD	*124.12667000*	*829.88853000*	*1731.38670*	*230.64114000*	*57.64189200*	*636.12993000*	
RelInt Mean	-0.00038328	0.00074415	0.23307141	0.01456739	-0.00000788	0.07639625	
RelInt RSD	*37.63297144*	*25.70721340*	*1.02099670*	*0.54984330*	*780.48595104*	*0.91097057*	
RelInt SD	*0.00014424*	*0.00019130*	*0.00237965*	*0.00008010*	*0.00006151*	*0.00069595*	
Conc Mean	<-0.00018942[mg/l]	<0.00252249[mg/l]	3.40537030[mg/l]	0.33691520[mg/l]	<-0.00046726[mg/l]	3.79762320[mg/l]	
Conc RSD	*220.45457977*	*83.96842654*	*1.02536623*	*0.55405313*	*47.45852336*	*0.91716951*	
Conc SD	*0.00041758[mg/l]*	*0.00211809[mg/l]*	*0.03491752[mg/l]*	*0.00186669[mg/l]*	*0.00022176[mg/l]*	*0.03483064[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467089-006	Client ID	: DOOR-N-0.6GE-EXT-3 TO 4-220808-L-CB
Seqnum	: 482320208031	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 294757	Time	: 10-AUG-2022 10:27
Cal	: 482320208001	Caldate	: 10-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.646	160	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1489287	1438434	-3.41

u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467089-006,294757			Sample Type: Unknown Sample
Measure Date: 2022-08-10 10:27:18	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	52795.18800	11377.02100	6092.83830	9023.04740	14930.43200	133205	9735.25690
Int RSD	*0.75179081*	*8.88457708*	*1.59419770*	*0.49426163*	*0.92569960*	*1.19151635*	*0.93751890*
Int SD	*396.90937000*	*1010.80020*	*97.13188800*	*44.59746100*	*138.21095000*	*1587.16210*	*91.26987300*
RelInt Mean	0.00002094	0.02125878	-0.00001851	0.00166398	0.00510029	0.30300885	0.00186979
RelInt RSD	*14.13995133*	*8.38955874*	*301.03402118*	*4.43068124*	*3.15840673*	*0.71078181*	*1.85770245*
RelInt SD	*0.00000296*	*0.00178352*	*0.00005571*	*0.00007373*	*0.00016109*	*0.00215373*	*0.00003474*
Conc Mean	<-0.00072446[mg/l]	3.04601260[mg/l]	<0.00176270[mg/l]	0.00850827[mg/l]	0.01564266[mg/l]	15.96761500[mg/l]	0.01040697[mg/l]
Conc RSD	*14.23116137*	*8.78946495*	*138.32797913*	*10.31571640*	*3.22571873*	*0.71582682*	*1.90172081*
Conc SD	*0.00010310[mg/l]*	*0.26772821[mg/l]*	*0.00243830[mg/l]*	*0.00087769[mg/l]*	*0.00050459[mg/l]*	*0.11430047[mg/l]*	*0.00019791[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	12225.81700	266706	30587923	3075.04360	7969.47900	955333	5871.33690
Int RSD	*0.94451880*	*1.41353860*	*0.25569765*	*11.68659235*	*7.14555883*	*0.37449901*	*1.32203698*
Int SD	*115.47514000*	*3769.99410*	*78212.60100*	*359.36781000*	*569.46381000*	*3577.71210*	*77.62124500*
RelInt Mean	0.00398735	0.00814314	21.40833800	0.00661959	0.01351026	0.66220294	-0.00002511
RelInt RSD	*1.02521865*	*1.06146806*	*0.86791614*	*10.00943064*	*7.34276972*	*1.04369890*	*168.58315192*
RelInt SD	*0.00004088*	*0.00008644*	*0.18580642*	*0.00066258*	*0.00099203*	*0.00691140*	*0.00004234*
Conc Mean	0.02666021[mg/l]	0.22135797[mg/l]	69.83515200[mg/l]	5.91775930[mg/l]	4.19093200[mg/l]	0.42090129[mg/l]	<-0.00020535[mg/l]
Conc RSD	*1.03301891*	*1.09658627*	*0.86793195*	*11.29193578*	*7.44833798*	*1.04464522*	*147.44020099*
Conc SD	*0.00027540[mg/l]*	*0.00242738[mg/l]*	*0.60612160[mg/l]*	*0.66822958[mg/l]*	*0.31215478[mg/l]*	*0.00439693[mg/l]*	*0.00030277[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	102017	28903.55500	93623.40000	6284.55670	5724.17080	9174.75520	11625.55500
Int RSD	*5.77064691*	*0.30073771*	*0.16445000*	*0.31892732*	*0.43215286*	*1.11329772*	*8.40274490*
Int SD	*5887.03220*	*86.92388900*	*153.96368000*	*20.04316800*	*24.73716800*	*102.14234000*	*976.86573000*
RelInt Mean	0.21437154	0.01490493	0.05971991	0.00023892	0.00001200	0.00123967	0.02350139
RelInt RSD	*3.77465166*	*1.15435215*	*0.67058413*	*12.48115772*	*69.80455033*	*4.92776149*	*7.10800078*
RelInt SD	*0.00809178*	*0.00017206*	*0.00040047*	*0.00002982*	*0.00000837*	*0.00006109*	*0.00167048*
Conc Mean	9.70174110[mg/l]	0.12038049[mg/l]	1.64646820[mg/l]	0.01029990[mg/l]	<0.00056355[mg/l]	0.02106593[mg/l]	0.01903519[mg/l]
Conc RSD	*4.13153253*	*1.16697830*	*0.67277321*	*12.05414130*	*65.75723218*	*5.12987722*	*7.07180528*
Conc SD	*0.40083059[mg/l]*	*0.00140481[mg/l]*	*0.01107700[mg/l]*	*0.00124156[mg/l]*	*0.00037057[mg/l]*	*0.00108066[mg/l]*	*0.00134613[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	531447	5280.44250	16339.21600	1438434	27350345	440473	582842
Int RSD	*2.15717766*	*0.88165848*	*1.13201772*	*0.66891767*	*0.59237425*	*1.74422622*	*0.21801189*
Int SD	*11464.25900*	*46.55546900*	*184.96282000*	*9621.94060*	*162016*	*7682.83930*	*1270.66470*
RelInt Mean	0.01738373	-0.00053263	0.00013771	---	---	---	0.40417339
RelInt RSD	*2.63332373*	*5.15786143*	*1.55161583*	---	---	---	*0.88290775*
RelInt SD	*0.00045777*	*0.00002747*	*0.00000214*	---	---	---	*0.00356848*
Conc Mean	0.15352322[mg/l]	<-0.03112421[mg/l]	0.00891058[mg/l]	1428307	27276222	438860	1.24210220[mg/l]
Conc RSD	*2.63018917*	*5.82399050*	*3.99971607*	---	---	---	*0.88343069*
Conc SD	*0.00403795[mg/l]*	*0.00181267[mg/l]*	*0.00035640[mg/l]*	*9591.22420*	*162041*	*7590.56850*	*0.01097311[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	141.82123000	6157.18440	465031	31418.46900	7461.65380	140610	
Int RSD	*44.98484606*	*12.57262930*	*0.55402754*	*0.65579593*	*0.56000936*	*0.20864240*	
Int SD	*63.79806200*	*774.11997000*	*2576.39940*	*206.04104000*	*41.78596000*	*293.37229000*	
RelInt Mean	-0.00023380	0.00085166	0.32039147	0.01668475	0.00000169	0.09306670	
RelInt RSD	*26.67737357*	*21.12336762*	*1.24802795*	*0.96128854*	*2989.97202*	*0.60738569*	
RelInt SD	*0.00006237*	*0.00017990*	*0.00399858*	*0.00016039*	*0.00005042*	*0.00056527*	
Conc Mean	<0.00024333[mg/l]	<0.00371287[mg/l]	4.68664260[mg/l]	0.38626066[mg/l]	<-0.00044471[mg/l]	4.63194260[mg/l]	
Conc RSD	*74.20734919*	*53.64760249*	*1.25195602*	*0.96771367*	*41.27691548*	*0.61077357*	
Conc SD	*0.00018057[mg/l]*	*0.00199186[mg/l]*	*0.05867470[mg/l]*	*0.00373790[mg/l]*	*0.00018356[mg/l]*	*0.02829068[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467089-008	Client ID	: DOOR-N-0.8GE-DG-3 TO 17-220808-L-G
Seqnum	: 482320208032	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 294757	Time	: 10-AUG-2022 10:30
Cal	: 482320208001	Caldate	: 10-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.06 ft2 --> 100.0 ml = 94.34 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.118	110	0.47		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1489287	1443433	-3.08

u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467089-008,294757			Sample Type: Unknown Sample
Measure Date: 2022-08-10 10:30:34	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	53350.01300	7106.49010	5908.01610	8824.06770	10979.48500	113480	10152.52800
Int RSD	*0.54457589*	*5.80728228*	*0.27885973*	*0.58062984*	*0.50274079*	*5.83862770*	*0.37101957*
Int SD	*290.53131000*	*412.69394000*	*16.47507800*	*51.23517000*	*55.19835000*	*6625.66070*	*37.66786600*
RelInt Mean	0.00002874	0.01186093	-0.00003795	0.00149025	0.00229398	0.25868944	0.00211410
RelInt RSD	*28.46779662*	*3.82656332*	*49.02204464*	*1.16880671*	*0.53622542*	*5.61506917*	*0.62725358*
RelInt SD	*0.00000818*	*0.00045387*	*0.00001861*	*0.00001742*	*0.00001230*	*0.01452559*	*0.00001326*
Conc Mean	<-0.00045295[mg/l]	1.63527920[mg/l]	<0.00090977[mg/l]	0.00643997[mg/l]	0.00686377[mg/l]	13.61554300[mg/l]	0.01185240[mg/l]
Conc RSD	*62.89019991*	*4.16631698*	*89.57196971*	*3.21986163*	*0.56191545*	*5.66181518*	*0.55990503*
Conc SD	*0.00028486[mg/l]*	*0.06813092[mg/l]*	*0.00081490[mg/l]*	*0.00020736[mg/l]*	*0.00003857[mg/l]*	*0.77088688[mg/l]*	*0.00006636[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	12657.31500	150502	30901011	2883.73100	6683.83220	1005925	5868.71780
Int RSD	*0.81738268*	*1.26715868*	*0.45143931*	*12.12086634*	*7.88225518*	*0.13321898*	*0.74059271*
Int SD	*103.45870000*	*1907.09700*	*139499*	*349.53318000*	*526.83671000*	*1340.08300*	*43.46329600*
RelInt Mean	0.00424552	0.00391127	21.55315800	0.00627981	0.01050940	0.69519666	0.00000926
RelInt RSD	*1.72855352*	*1.08563617*	*0.73523713*	*11.39175593*	*7.46423871*	*0.69936281*	*41.99048488*
RelInt SD	*0.00007339*	*0.00004246*	*0.15846682*	*0.00071538*	*0.00078445*	*0.00486195*	*0.00000389*
Conc Mean	0.02839955[mg/l]	0.10251550[mg/l]	70.30757400[mg/l]	5.57508400[mg/l]	3.24666870[mg/l]	0.44189137[mg/l]	<0.00004049[mg/l]
Conc RSD	*1.74089860*	*1.16319610*	*0.73524928*	*12.94109452*	*7.60276926*	*0.69996592*	*68.69691958*
Conc SD	*0.00049441[mg/l]*	*0.00119246[mg/l]*	*0.51693593[mg/l]*	*0.72147689[mg/l]*	*0.24683673[mg/l]*	*0.00309309[mg/l]*	*0.00002782[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	78950.34200	14327.53700	66412.86100	6489.89750	5698.64580	7842.78520	9160.82350
Int RSD	*5.55316923*	*0.72427606*	*0.19971585*	*0.58522168*	*0.51976264*	*0.55192212*	*10.02138356*
Int SD	*4384.24610*	*103.77092000*	*132.63701000*	*37.98028700*	*29.61943200*	*43.28606600*	*918.04126000*
RelInt Mean	0.16215790	0.00465322	0.04054654	0.00041647	0.00002325	0.00049216	0.01793326
RelInt RSD	*4.95427327*	*1.57984086*	*0.70574624*	*6.25695495*	*119.91042073*	*1.08155141*	*9.22112694*
RelInt SD	*0.00803375*	*0.00007351*	*0.00028616*	*0.00002606*	*0.00002787*	*0.00000532*	*0.00165365*
Conc Mean	7.11530970[mg/l]	0.03667638[mg/l]	1.11823180[mg/l]	0.01767318[mg/l]	<0.00106132[mg/l]	0.00784230[mg/l]	0.01454819[mg/l]
Conc RSD	*5.59295191*	*1.63655850*	*0.70419779*	*6.13928628*	*116.21873883*	*1.20071394*	*9.15968934*
Conc SD	*0.39795585[mg/l]*	*0.00060023[mg/l]*	*0.00787456[mg/l]*	*0.00108501[mg/l]*	*0.00123345[mg/l]*	*0.00009416[mg/l]*	*0.00133257[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	425000	5201.40810	16410.93600	1443433	27194877	439212	376158
Int RSD	*4.87872766*	*0.39663596*	*0.96523757*	*0.59443105*	*0.65489338*	*0.66139861*	*0.15547818*
Int SD	*20734.59500*	*20.63065500*	*158.40452000*	*8580.21100*	*178097*	*2904.94530*	*584.84364000*
RelInt Mean	0.01354786	-0.00051594	0.00013837	---	---	---	0.25865533
RelInt RSD	*4.96674450*	*1.24003722*	*3.78656985*	---	---	---	*0.73206649*
RelInt SD	*0.00067289*	*0.00000640*	*0.00000524*	---	---	---	*0.00189353*
Conc Mean	0.11968736[mg/l]	<-0.02993276[mg/l]	0.00902059[mg/l]	1433215	27120619	437577	0.79463280[mg/l]
Conc RSD	*4.95916085*	*1.39410773*	*9.68527618*	---	---	---	*0.73277496*
Conc SD	*0.00593549[mg/l]*	*0.00041729[mg/l]*	*0.00087367[mg/l]*	*8641.13330*	*178065*	*2852.91570*	*0.00582287[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	197.35748000	6177.65870	311761	24994.91600	7481.29540	121153	
Int RSD	*25.39082380*	*11.89576935*	*0.47974350*	*0.88581974*	*0.57914867*	*0.12210729*	
Int SD	*50.11069000*	*734.88003000*	*1495.65540*	*221.40990000*	*43.32782300*	*147.93678000*	
RelInt Mean	-0.00021984	0.00077427	0.21240796	0.01230035	-0.00001281	0.07928166	
RelInt RSD	*66.99583450*	*31.59026984*	*0.95144735*	*1.76287187*	*378.65851835*	*0.53761180*	
RelInt SD	*0.00014728*	*0.00024459*	*0.00202095*	*0.00021684*	*0.00004849*	*0.00042623*	
Conc Mean	<0.00028375[mg/l]	<0.00285606[mg/l]	3.10216570[mg/l]	0.28408127[mg/l]	<-0.00049183[mg/l]	3.94203160[mg/l]	
Conc RSD	*150.26657286*	*94.82264770*	*0.95589494*	*1.77888553*	*34.32447514*	*0.54113562*	
Conc SD	*0.00042638[mg/l]*	*0.00270819[mg/l]*	*0.02965345[mg/l]*	*0.00505348[mg/l]*	*0.00016882[mg/l]*	*0.02133174[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467089-010	Client ID	: DOOR-N-0.9GE-DG-4 TO 17-220808-L-LA
Seqnum	: 482320208033	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 294757	Time	: 10-AUG-2022 10:33
Cal	: 482320208001	Caldate	: 10-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.03 ft2 --> 100.0 ml = 97.31 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.930	290	0.49		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1489287	1451016	-2.57

u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467089-010,294757			Sample Type: Unknown Sample
Measure Date: 2022-08-10 10:33:50	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	53235.90700	13788.19600	5867.03980	8742.05750	13807.11500	130674	10026.70100
Int RSD	*0.82616558*	*8.24291155*	*0.49000143*	*1.04818778*	*0.60945056*	*0.35879571*	*0.19556265*
Int SD	*439.81674000*	*1136.54880*	*28.74857900*	*91.63317800*	*84.14754000*	*468.85332000*	*19.60848200*
RelInt Mean	0.00003086	0.02696659	-0.00004500	0.00147336	0.00427064	0.29809679	0.00203034
RelInt RSD	*10.34248016*	*8.47643907*	*74.10305519*	*4.24073199*	*0.72627247*	*0.33240761*	*0.64533338*
RelInt SD	*0.00000319*	*0.00228581*	*0.00003334*	*0.00006248*	*0.00003102*	*0.00099090*	*0.00001310*
Conc Mean	<-0.00037938[mg/l]	3.90282640[mg/l]	<0.00060066[mg/l]	0.00623891[mg/l]	0.01304802[mg/l]	15.70692800[mg/l]	0.01124818[mg/l]
Conc RSD	*29.28496556*	*8.79178331*	*243.01598512*	*11.92234741*	*0.75013170*	*0.33480421*	*0.63309440*
Conc SD	*0.00011110[mg/l]*	*0.34312804[mg/l]*	*0.00145971[mg/l]*	*0.00074382[mg/l]*	*0.00009788[mg/l]*	*0.05258746[mg/l]*	*0.00007121[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	12842.16200	237404	25489239	3107.98050	9244.11830	1002669	5796.35160
Int RSD	*0.63167054*	*1.29589297*	*0.23450762*	*14.74648216*	*7.52191315*	*0.42158646*	*1.13502281*
Int SD	*81.12015400*	*3076.50070*	*59774.20700*	*458.31779000*	*695.33455000*	*4227.11800*	*65.78991300*
RelInt Mean	0.00439613	0.00705539	17.67984300	0.00675198	0.01643004	0.68927830	-0.00004278
RelInt RSD	*1.12690751*	*1.71713984*	*0.64781294*	*13.92756835*	*7.42561978*	*0.81226615*	*109.97743744*
RelInt SD	*0.00004954*	*0.00012115*	*0.11453231*	*0.00094039*	*0.00122003*	*0.00559877*	*0.00004705*
Conc Mean	0.02941419[mg/l]	0.19081090[mg/l]	57.67236800[mg/l]	6.05127990[mg/l]	5.10968080[mg/l]	0.43812620[mg/l]	<-0.00033172[mg/l]
Conc RSD	*1.13467842*	*1.78304615*	*0.64782781*	*15.67272950*	*7.51318654*	*0.81297350*	*101.43899373*
Conc SD	*0.00033376[mg/l]*	*0.00340225[mg/l]*	*0.37361764[mg/l]*	*0.94840073[mg/l]*	*0.38389985[mg/l]*	*0.00356185[mg/l]*	*0.00033650[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	88791.56200	19379.44200	161620	6188.46650	5659.08110	8063.10940	13067.65800
Int RSD	*5.74436262*	*1.19686011*	*0.40546200*	*0.32942657*	*0.85964582*	*0.09128219*	*9.26343114*
Int SD	*5100.50930*	*231.94481000*	*655.30643000*	*20.38645300*	*48.64805400*	*7.36018290*	*1210.51350*
RelInt Mean	0.18469469	0.00816006	0.10628667	0.00015400	0.00005022	0.00066943	0.02689761
RelInt RSD	*5.53673958*	*2.28690495*	*0.86112103*	*6.13070123*	*82.25677425*	*2.99901610*	*9.07936383*
RelInt SD	*0.01022606*	*0.00018661*	*0.00091526*	*0.00000944*	*0.00004131*	*0.00002008*	*0.00244213*
Conc Mean	8.23168210[mg/l]	0.06530930[mg/l]	2.92991970[mg/l]	0.00675226[mg/l]	<0.00225494[mg/l]	0.01097830[mg/l]	0.02177198[mg/l]
Conc RSD	*6.15370861*	*2.33301157*	*0.86186045*	*5.83981315*	*81.06485007*	*3.23505618*	*9.03894156*
Conc SD	*0.50655373[mg/l]*	*0.00152367[mg/l]*	*0.02525182[mg/l]*	*0.00039432[mg/l]*	*0.00182797[mg/l]*	*0.00035515[mg/l]*	*0.00196796[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	660060	5180.45130	16963.53700	1451016	27400138	439123	607237
Int RSD	*3.05377753*	*0.38253856*	*0.82955400*	*0.44824559*	*0.35551038*	*0.54122490*	*0.26952011*
Int SD	*20156.76700*	*19.81722400*	*140.72170000*	*6504.11520*	*97410.33400*	*2376.64480*	*1636.62610*
RelInt Mean	0.02203437	-0.00049784	0.00016035	---	---	---	0.41751039
RelInt RSD	*3.62912036*	*2.84739278*	*2.61638797*	---	---	---	*0.70570328*
RelInt SD	*0.00079965*	*0.00001418*	*0.00000420*	---	---	---	*0.00294638*
Conc Mean	0.19454611[mg/l]	<-0.02892052[mg/l]	0.01268509[mg/l]	1440958	27325516	437467	1.28311210[mg/l]
Conc RSD	*3.62570842*	*3.23315969*	*5.51387483*	---	---	---	*0.70611749*
Conc SD	*0.00705367[mg/l]*	*0.00093505[mg/l]*	*0.00069944[mg/l]*	*6460.00000*	*97635.17200*	*2337.30970*	*0.00906028[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	122.12060000	6123.04730	572600	34507.90100	7494.78740	122438	
Int RSD	*43.34753514*	*10.09050804*	*0.66144601*	*0.11963719*	*0.77070179*	*0.19354204*	
Int SD	*52.93627000*	*617.84658000*	*3787.44110*	*41.28428200*	*57.76246100*	*236.96947000*	
RelInt Mean	-0.00029797	0.00078357	0.39215388	0.01885953	0.00011436	0.07969294	
RelInt RSD	*95.23768197*	*25.97412776*	*1.10692310*	*0.60686403*	*60.35995167*	*0.44911062*	
RelInt SD	*0.00028378*	*0.00020352*	*0.00434084*	*0.00011445*	*0.00006903*	*0.00035791*	
Conc Mean	<0.00005755[mg/l]	<0.00295895[mg/l]	5.73963480[mg/l]	0.43694436[mg/l]	<-0.00005001[mg/l]	3.96261520[mg/l]	
Conc RSD	*1427.49948*	*76.15712523*	*1.10973501*	*0.61044864*	*467.89401311*	*0.45203985*	
Conc SD	*0.00082155[mg/l]*	*0.00225345[mg/l]*	*0.06369474[mg/l]*	*0.00266732[mg/l]*	*0.00023397[mg/l]*	*0.01791260[mg/l]*	

ENTHALPY BLANK USER REPORT FOR 467089 METALS Wipe
EPA 6010B

Inst : MET06 Lab ID : QC1005773
Seqnum : 482320208024.1 Matrix : Wipe
File : met06_master Batch : 294757 Time : 10-AUG-2022 10:04
Cal : 482320208001 Caldate : 10-AUG-2022
IDF : 1.0 Raw Units : mg/l Units : ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Flags
Lead	A	-0.0008017	ND	0.50	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	1489287	1508975	1.32

u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BLANK,QC1005773,294757			Sample Type: Unknown Sample
Measure Date: 2022-08-10 10:04:28	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	53162.09200	1965.85270	3634.20750	7505.14560	7339.85860	2265.05170	6736.58740
Int RSD	*1.04510058*	*8.89234377*	*0.91860712*	*0.51578710*	*0.73454113*	*11.01335568*	*0.97951957*
Int SD	*555.59733000*	*174.81038000*	*33.38408900*	*38.71057300*	*53.91428000*	*249.45820000*	*65.98619200*
RelInt Mean	0.00003607	0.00106125	-0.00016527	0.00102853	0.00015663	0.00446922	0.00000809
RelInt RSD	*12.07063230*	*14.73272247*	*22.82425976*	*1.16078502*	*28.05351235*	*15.16674485*	*448.48814611*
RelInt SD	*0.00000435*	*0.00015635*	*0.00003772*	*0.00001194*	*0.00004394*	*0.00067783*	*0.00003627*
Conc Mean	<-0.00019791[mg/l]	<0.01411129[mg/l]	<-0.00463849[mg/l]	<0.00094336[mg/l]	<0.00017741[mg/l]	0.12383499[mg/l]	<0.00009873[mg/l]
Conc RSD	*76.58665321*	*166.32160497*	*35.59807756*	*15.06653308*	*77.43343066*	*29.04941245*	*208.58699214*
Conc SD	*0.00015157[mg/l]*	*0.02347013[mg/l]*	*0.00165121[mg/l]*	*0.00014213[mg/l]*	*0.00013737[mg/l]*	*0.03597334[mg/l]*	*0.00020594[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6063.76780	51340.13600	14401.67300	550.23100000	2083.79080	9326.17550	4802.22020
Int RSD	*0.48453051*	*0.65602238*	*1.96776868*	*41.45581038*	*11.50587429*	*0.10670024*	*0.84554217*
Int SD	*29.38080500*	*336.80278000*	*283.39161000*	*228.10272000*	*239.75835000*	*9.95105170*	*40.60479700*
RelInt Mean	0.00006717	0.00026685	0.00397611	0.00084969	0.00001120	0.00067978	0.00004251
RelInt RSD	*18.39599292*	*2.69747377*	*4.51055627*	*44.24823235*	*883.77258964*	*2.30121438*	*6.93476709*
RelInt SD	*0.00001236*	*0.00000720*	*0.00017934*	*0.00037597*	*0.00009902*	*0.00001564*	*0.00000295*
Conc Mean	<0.00024971[mg/l]	<0.00017029[mg/l]	0.01162020[mg/l]	<0.09869353[mg/l]	<-0.05673033[mg/l]	<0.00005091[mg/l]	<0.00027826[mg/l]
Conc RSD	*33.33846587*	*118.70829913*	*5.03471161*	*384.19775691*	*54.92523505*	*19.54807607*	*7.57661476*
Conc SD	*0.00008325[mg/l]*	*0.00020215[mg/l]*	*0.00058504[mg/l]*	*0.37917834[mg/l]*	*0.03115927[mg/l]*	*0.00000995[mg/l]*	*0.00002108[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	23491.07700	7453.92900	7719.79450	5202.52110	4248.91920	3704.23690	1378.26000
Int RSD	*4.39395903*	*0.09617214*	*0.47407248*	*0.31489329*	*0.46881510*	*1.15459281*	*13.45988638*
Int SD	*1032.18830*	*7.16860300*	*36.59742100*	*16.38239000*	*19.91957500*	*42.76885300*	*185.51223000*
RelInt Mean	0.03395596	0.00019347	-0.00006107	0.00005540	0.00001660	0.00004753	0.00011259
RelInt RSD	*2.21941086*	*12.70659383*	*25.02795963*	*33.42405435*	*155.42307619*	*54.63067946*	*122.00657735*
RelInt SD	*0.00075362*	*0.00002458*	*0.00001528*	*0.00001852*	*0.00002580*	*0.00002597*	*0.00013736*
Conc Mean	0.76475659[mg/l]	<0.00026293[mg/l]	<-0.00080168[mg/l]	0.00282311[mg/l]	<0.00076723[mg/l]	<-0.00002317[mg/l]	<0.00018766[mg/l]
Conc RSD	*4.88143437*	*76.33802130*	*51.96835531*	*27.28196739*	*148.80394034*	*1982.32581*	*58.98567821*
Conc SD	*0.03733109[mg/l]*	*0.00020072[mg/l]*	*0.00041662[mg/l]*	*0.00077020[mg/l]*	*0.00114167[mg/l]*	*0.00045938[mg/l]*	*0.00011069[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	57416.83800	3685.91210	14597.45800	1508975	28502713	456417	5622.88700
Int RSD	*0.74679043*	*0.31636590*	*1.71563035*	*0.23607602*	*0.48151465*	*0.53439710*	*0.98132502*
Int SD	*428.78345000*	*11.66096900*	*250.43842000*	*3562.32720*	*137245*	*2439.07930*	*55.17879700*
RelInt Mean	0.00000163	-0.00022421	0.00009302	---	---	---	0.00054442
RelInt RSD	*134.15098572*	*9.30100325*	*5.90940879*	---	---	---	*4.80379140*
RelInt SD	*0.00000218*	*0.00002085*	*0.00000550*	---	---	---	*0.00002615*
Conc Mean	0.00019717[mg/l]	<-0.01028670[mg/l]	<0.00145874[mg/l]	1499480	28428557	454723	0.00095507[mg/l]
Conc RSD	*9.75485475*	*13.44226267*	*62.83694024*	---	---	---	*8.41593641*
Conc SD	*0.00001923[mg/l]*	*0.00138277[mg/l]*	*0.00091663[mg/l]*	*3560.03230*	*137128*	*2490.95610*	*0.00008038[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	166.85050000	6149.17260	9849.42780	5017.12810	6975.12090	5866.95440	
Int RSD	*42.82201672*	*12.81355804*	*0.70798694*	*1.50232401*	*0.49825115*	*0.59061586*	
Int SD	*71.44874900*	*787.92780000*	*69.73266200*	*75.37352000*	*34.75362000*	*34.65116300*	
RelInt Mean	-0.00030277	0.00045246	0.00232762	0.00029893	0.00016575	0.00009424	
RelInt RSD	*40.20186832*	*68.47737633*	*0.92693702*	*18.09906827*	*15.41041146*	*13.66785569*	
RelInt SD	*0.00012172*	*0.00030983*	*0.00002158*	*0.00005410*	*0.00002554*	*0.00001288*	
Conc Mean	<0.00004367[mg/l]	<-0.00070714[mg/l]	0.01959421[mg/l]	0.00438574[mg/l]	<0.00014713[mg/l]	<-0.02112453[mg/l]	
Conc RSD	*806.82347775*	*485.11888369*	*1.61640531*	*28.75021883*	*56.54172419*	*3.05179783*	
Conc SD	*0.00035237[mg/l]*	*0.00343048[mg/l]*	*0.00031672[mg/l]*	*0.00126091[mg/l]*	*0.00008319[mg/l]*	*0.00064468[mg/l]*	

ENTHALPY SPIKE USER REPORT FOR 467089 METALS Wipe
EPA 6010B

Type : BS
Inst : MET06
Seqnum : 482320208025.1
File : met06_master
IDF : 1.0
Lab ID : QC1005774
Matrix : Wipe
Batch : 294757
Time : 10-AUG-2022 10:07
Cal : 482320208001
Units : ug/ft2

Type : BSD
Inst : MET06
Seqnum : 482320208028.1
File : met06_master
IDF : 1.0
Lab ID : QC1005775
Matrix : Wipe
Batch : 294757
Time : 10-AUG-2022 10:17
Cal : 482320208001

BS: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF
BSD: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Lead	100.0	1.041	104.1	A	104	1.083	108.3	A	108	80-120	4	20	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	1489287	1489044	-0.02

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	1489287	1443324	-3.09

u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BS,QC1005774,294757			Sample Type: Unknown Sample
Measure Date: 2022-08-10 10:07:43	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	416266	5014.35190	37110.00500	122701	498434	11544.28900	289672
Int RSD	*0.61859660*	*9.36929616*	*0.65468916*	*0.55522578*	*0.25667272*	*6.45609548*	*0.36602034*
Int SD	*2575.00510*	*469.80948000*	*242.95518000*	*681.26520000*	*1279.34510*	*745.31032000*	*1060.25690*
RelInt Mean	0.01300806	0.00797184	0.02238759	0.07881329	0.33188171	0.02509352	0.19098303
RelInt RSD	*0.93842697*	*8.46784663*	*0.86144432*	*1.04222770*	*0.73345597*	*6.12803523*	*0.86883897*
RelInt SD	*0.00012207*	*0.00067504*	*0.00019286*	*0.00082141*	*0.00243421*	*0.00153774*	*0.00165934*
Conc Mean	0.45140594[mg/l]	1.05147720[mg/l]	0.98167056[mg/l]	0.92695255[mg/l]	1.03396010[mg/l]	1.21838600[mg/l]	1.08275120[mg/l]
Conc RSD	*0.94144718*	*9.63714192*	*0.85941485*	*1.05493408*	*0.73246011*	*6.69814558*	*0.87180653*
Conc SD	*0.00424975[mg/l]*	*0.10133235[mg/l]*	*0.00843662[mg/l]*	*0.00977874[mg/l]*	*0.00757335[mg/l]*	*0.08160927[mg/l]*	*0.00943950[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	235367	1036548	503345	4947.49910	3630.51930	2494143	221488
Int RSD	*0.33840315*	*1.07208736*	*0.34054466*	*11.47613933*	*10.02480224*	*0.34278850*	*0.63837071*
Int SD	*796.48836000*	*11112.69900*	*1714.11420*	*567.78189000*	*363.95238000*	*8549.63470*	*1413.91260*
RelInt Mean	0.15474381	0.03551201	0.33437224	0.01059114	0.00364917	1.67996200	0.14636861
RelInt RSD	*0.88260726*	*1.41536661*	*0.84448296*	*10.10387649*	*11.30315776*	*0.17587005*	*1.14053102*
RelInt SD	*0.00136578*	*0.00050263*	*0.00282372*	*0.00107012*	*0.00041247*	*0.00295455*	*0.00166938*
Conc Mean	1.04231730[mg/l]	0.98995011[mg/l]	1.08941100[mg/l]	9.92314630[mg/l]	1.08800470[mg/l]	1.06838320[mg/l]	1.04671020[mg/l]
Conc RSD	*0.88278379*	*1.42584024*	*0.84553195*	*10.87592551*	*11.92915251*	*0.17593465*	*1.14056460*
Conc SD	*0.00920141[mg/l]*	*0.01411511[mg/l]*	*0.00921132[mg/l]*	*1.07923400[mg/l]*	*0.12978974[mg/l]*	*0.00187966[mg/l]*	*0.01193841[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	31539.97600	195523	63903.52900	38871.64700	30682.95300	3834.21860	565394
Int RSD	*5.59522271*	*0.48452561*	*0.65002933*	*0.76870002*	*0.88216724*	*0.58530862*	*0.75053404*
Int SD	*1764.73190*	*947.36021000*	*415.39168000*	*298.80636000*	*270.67496000*	*22.44201200*	*4243.47660*
RelInt Mean	0.05254221	0.12708656	0.03775428	0.02270284	0.01783465	0.00004930	1.25237390
RelInt RSD	*3.62937848*	*0.98850185*	*0.64107799*	*0.81314139*	*0.85711352*	*24.09673447*	*0.22467918*
RelInt SD	*0.00190696*	*0.00125625*	*0.00024203*	*0.00018461*	*0.00015286*	*0.00001188*	*0.00281382*
Conc Mean	1.68543660[mg/l]	1.03633170[mg/l]	1.04137920[mg/l]	0.93848877[mg/l]	0.78925108[mg/l]	<0.00000816[mg/l]	1.00930460[mg/l]
Conc RSD	*5.60460827*	*0.98975820*	*0.63903405*	*0.81612527*	*0.85707841*	*2575.21764*	*0.22465753*
Conc SD	*0.09446212[mg/l]*	*0.01025718[mg/l]*	*0.00665477[mg/l]*	*0.00765924[mg/l]*	*0.00676450[mg/l]*	*0.00021017[mg/l]*	*0.00226748[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3344220	27013.08000	182737	1489044	27939674	451943	488438
Int RSD	*0.72629713*	*0.45924774*	*1.16982091*	*0.51293497*	*0.43867663*	*0.93865600*	*0.24392055*
Int SD	*24288.97100*	*124.05696000*	*2137.69130*	*7637.82900*	*122565*	*4242.19140*	*1191.40100*
RelInt Mean	0.11775820	0.01540354	0.00610596	---	---	---	0.32672327
RelInt RSD	*1.18178148*	*0.40905646*	*1.59403275*	---	---	---	*0.73121529*
RelInt SD	*0.00139164*	*0.00006301*	*0.00009733*	---	---	---	*0.00238905*
Conc Mean	1.03891770[mg/l]	1.02058310[mg/l]	1.00366160[mg/l]	1479364	27865421	450352	1.00343000[mg/l]
Conc RSD	*1.18156944*	*0.40656755*	*1.61692327*	---	---	---	*0.73166124*
Conc SD	*0.01227553[mg/l]*	*0.00414936[mg/l]*	*0.01622844[mg/l]*	*7704.59610*	*122645*	*4138.05420*	*0.00734171[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	152130	47213.77500	493840	5647.35140	428524	6311.11890	
Int RSD	*0.74919769*	*7.38500787*	*0.43926525*	*2.19899828*	*0.39097446*	*0.24969588*	
Int SD	*1139.75100*	*3486.74100*	*2169.26670*	*124.18516000*	*1675.42000*	*15.75860400*	
RelInt Mean	0.33686249	0.09140841	0.32911487	0.00062289	0.28469332	0.00031649	
RelInt RSD	*0.14408464*	*6.02793262*	*0.92540808*	*13.89194056*	*0.89749777*	*2.53131267*	
RelInt SD	*0.00048537*	*0.00551004*	*0.00304566*	*0.00008653*	*0.00255512*	*0.00000801*	
Conc Mean	0.97613552[mg/l]	1.00637030[mg/l]	4.79108140[mg/l]	0.01193550[mg/l]	0.98257315[mg/l]	<-0.01000142[mg/l]	
Conc RSD	*0.14394969*	*6.06217373*	*0.92775502*	*16.89597980*	*0.89963753*	*4.00899062*	
Conc SD	*0.00140514[mg/l]*	*0.06100792[mg/l]*	*0.04444950[mg/l]*	*0.00201662[mg/l]*	*0.00883960[mg/l]*	*0.00040096[mg/l]*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BSD,QC1005775,294757			Sample Type: Unknown Sample
Measure Date: 2022-08-10 10:17:28	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	419787	5140.40950	37433.89800	123912	502383	12022.12700	292172
Int RSD	*0.34373984*	*10.13875081*	*0.58203255*	*0.66625893*	*0.08578800*	*9.98626616*	*0.43370006*
Int SD	*1442.97620*	*521.17331000*	*217.87747000*	*825.57303000*	*430.98429000*	*1200.56160*	*1267.14810*
RelInt Mean	0.01349606	0.00832138	0.02329013	0.08211999	0.34518982	0.02719655	0.19876907
RelInt RSD	*0.93501764*	*11.94005092*	*0.78797946*	*0.35150497*	*0.65156310*	*10.92485939*	*0.35997297*
RelInt SD	*0.00012619*	*0.00099358*	*0.00018352*	*0.00028866*	*0.00224913*	*0.00297118*	*0.00071551*
Conc Mean	0.46839498[mg/l]	1.10394780[mg/l]	1.02114080[mg/l]	0.96631812[mg/l]	1.07544250[mg/l]	1.32999570[mg/l]	1.12689310[mg/l]
Conc RSD	*0.93791906*	*13.51044497*	*0.78650391*	*0.35561614*	*0.65386863*	*11.85594585*	*0.35943475*
Conc SD	*0.00439317[mg/l]*	*0.14914826[mg/l]*	*0.00803131[mg/l]*	*0.00343638[mg/l]*	*0.00703198[mg/l]*	*0.15768357[mg/l]*	*0.00405045[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	237341	1043229	507494	4987.50420	3666.66330	2529966	222787
Int RSD	*0.39913148*	*0.65708247*	*0.32036910*	*13.81464982*	*8.98095306*	*0.80863110*	*0.63164261*
Int SD	*947.30241000*	*6854.87290*	*1625.85320*	*689.00624000*	*329.30131000*	*20458.09100*	*1407.21920*
RelInt Mean	0.16104231	0.03677375	0.34789136	0.01118362	0.00359904	1.75858100	0.15188834
RelInt RSD	*0.33245134*	*1.32267353*	*0.40980365*	*14.03076553*	*9.52598597*	*0.09531990*	*0.09864581*
RelInt SD	*0.00053539*	*0.00048640*	*0.00142567*	*0.00156915*	*0.00034284*	*0.00167628*	*0.00014983*
Conc Mean	1.08475080[mg/l]	1.02538340[mg/l]	1.13351200[mg/l]	10.52067900[mg/l]	1.07223010[mg/l]	1.11839940[mg/l]	1.08618390[mg/l]
Conc RSD	*0.33251307*	*1.33212036*	*0.41029149*	*15.04198161*	*10.06131706*	*0.09535342*	*0.09865035*
Conc SD	*0.00360694[mg/l]*	*0.01365934[mg/l]*	*0.00465070[mg/l]*	*1.58251860[mg/l]*	*0.10788047[mg/l]*	*0.00106643[mg/l]*	*0.00107152[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	32332.48700	197175	64446.49200	39156.95900	30828.17900	4034.65310	563552
Int RSD	*5.47677542*	*0.27954897*	*0.36485100*	*1.02320068*	*0.40681988*	*0.87744865*	*0.58398059*
Int SD	*1770.77770*	*551.20144000*	*235.13367000*	*400.65427000*	*125.41516000*	*35.40200900*	*3291.03530*
RelInt Mean	0.05618465	0.13223299	0.03926142	0.02356348	0.01843561	0.00014016	1.30272120
RelInt RSD	*4.44878826*	*0.50832336*	*0.34678348*	*0.82015629*	*0.56812660*	*16.82647518*	*0.03062337*
RelInt SD	*0.00249954*	*0.00067217*	*0.00013615*	*0.00019326*	*0.00010474*	*0.00002358*	*0.00039894*
Conc Mean	1.86586690[mg/l]	1.07835190[mg/l]	1.08291320[mg/l]	0.97402859[mg/l]	0.81584495[mg/l]	0.00161537[mg/l]	1.04987620[mg/l]
Conc RSD	*6.63583828*	*0.50894188*	*0.34821987*	*0.82557646*	*0.56810186*	*25.82681301*	*0.03061667*
Conc SD	*0.12381591[mg/l]*	*0.00548818[mg/l]*	*0.00377092[mg/l]*	*0.00804135[mg/l]*	*0.00463483[mg/l]*	*0.00041720[mg/l]*	*0.00032144[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3378600	27148.09700	184430	1443324	27158069	433185	494230
Int RSD	*1.58789197*	*0.88801698*	*0.85330641*	*0.71541630*	*0.78849752*	*0.57039102*	*0.49079383*
Int SD	*53648.52300*	*241.07971000*	*1573.75600*	*10325.77300*	*214141*	*2470.84550*	*2425.64860*
RelInt Mean	0.12241417	0.01596589	0.00634034	---	---	---	0.34114843
RelInt RSD	*2.20339075*	*0.37391252*	*1.52050966*	---	---	---	*0.51420184*
RelInt SD	*0.00269726*	*0.00005970*	*0.00009641*	---	---	---	*0.00175419*
Conc Mean	1.07998760[mg/l]	1.05766420[mg/l]	1.04272680[mg/l]	1433523	27084375	431498	1.04776600[mg/l]
Conc RSD	*2.20301650*	*0.37663659*	*1.54165396*	---	---	---	*0.51470852*
Conc SD	*0.02379230[mg/l]*	*0.00398355[mg/l]*	*0.01607524[mg/l]*	*10255.21100*	*214048*	*2576.20790*	*0.00539294[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	151424	47893.50400	497888	5869.55800	431694	6347.52470	
Int RSD	*0.47069742*	*8.77265339*	*0.23556651*	*0.21777943*	*0.28172129*	*0.56239335*	
Int SD	*712.75032000*	*4201.53110*	*1172.85810*	*12.78269000*	*1216.17320*	*35.69805700*	
RelInt Mean	0.34995103	0.09659545	0.34240270	0.00077581	0.29592618	0.00031198	
RelInt RSD	*1.08485304*	*8.73111377*	*0.52340583*	*2.57963993*	*0.43300218*	*12.02106344*	
RelInt SD	*0.00379645*	*0.00843386*	*0.00179216*	*0.00002001*	*0.00128137*	*0.00003750*	
Conc Mean	1.01402680[mg/l]	1.06380210[mg/l]	4.98516890[mg/l]	0.01549953[mg/l]	1.02135640[mg/l]	<-0.01022721[mg/l]	
Conc RSD	*1.08386623*	*8.77803541*	*0.52721145*	*3.00920105*	*0.43289896*	*18.35278684*	
Conc SD	*0.01099069[mg/l]*	*0.09338093[mg/l]*	*0.02628238[mg/l]*	*0.00046641[mg/l]*	*0.00442144[mg/l]*	*0.00187698[mg/l]*	

ENTHALPY INITIAL CALIBRATION FOR 467089 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482320208001	Date:	10-AUG-2022 08:48
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482320208002	L1	10-AUG-2022 08:51	S17110, S13369 (100X)
L2	met06_master	482320208003	L2	10-AUG-2022 08:54	S17109, S13369 (100X)
L3	met06_master	482320208004	L3	10-AUG-2022 08:58	S17108, S13369 (100X)
L4	met06_master	482320208005	L4	10-AUG-2022 09:01	S17107, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0248	0.0387	0.0387	0.0362	WB1K	8.77E-4	27.5665		0.0346	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	-5	0.1000	8	1.0000	7	10.000	0

SBW 08/10/22 : al low point not passing

SBW 08/10/22 : li k rpd icv

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 467089 METALS Wipe
EPA 6010B

Inst : MET06
Calnum : 482320208001 Cal Date : 10-AUG-2022

ICV 482320208010 (10-AUG-2022) stds: S17024, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	1.016	mg/l	2	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICALBLK,CALBLANK			Sample Type: Calibration Sample
Measure Date: 2022-08-10 08:48:26	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	47099.98200	1669.52240	3404.60220	6676.38050	6507.71160	1251.79590	6024.36900
Int RSD	*0.43528590*	*9.51978302*	*1.77798061*	*0.84064359*	*0.70861591*	*10.04057930*	*1.21332935*
Int SD	*205.01958000*	*158.93491000*	*60.53316700*	*56.12456500*	*46.11468000*	*125.68756000*	*73.09543700*
RelInt Mean	0.00004175	0.00096653	-0.00006087	0.00094885	0.00008484	0.00212570	-0.00001560
RelInt RSD	*14.07788914*	*16.94083876*	*35.81406298*	*1.67790449*	*11.13915232*	*14.79158732*	*183.00085291*
RelInt SD	*0.00000588*	*0.00016374*	*0.00002180*	*0.00001592*	*0.00000945*	*0.00031442*	*0.00002855*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	5343.98350	46167.50400	8121.14610	465.76684000	1980.74770	8157.81860	4189.37380
Int RSD	*1.08617888*	*0.35309273*	*0.82357023*	*21.99408399*	*7.98651741*	*0.86781802*	*0.99048941*
Int SD	*58.04522000*	*163.01410000*	*66.88334200*	*102.44115000*	*158.19276000*	*70.79502000*	*41.49530400*
RelInt Mean	0.00002293	0.00026174	0.00037511	0.00075183	0.00019000	0.00047925	0.00000160
RelInt RSD	*62.58467833*	*2.97761557*	*6.83555710*	*17.70280570*	*6.33010310*	*3.28336443*	*650.74291216*
RelInt SD	*0.00001435*	*0.00000779*	*0.00002564*	*0.00013310*	*0.00001203*	*0.00001574*	*0.00001044*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	16389.82900	6701.74300	6895.38950	4554.61700	3702.41290	3357.63210	1063.20090
Int RSD	*3.34424636*	*1.18237930*	*0.96316752*	*0.90897217*	*1.11699395*	*0.78066486*	*8.29485058*
Int SD	*548.11626000*	*79.24002200*	*66.41415200*	*41.40020100*	*41.35572800*	*26.21185400*	*88.19092600*
RelInt Mean	0.01849315	0.00015515	-0.00003428	-0.00001253	-0.00000074	0.00004731	-0.00012473
RelInt RSD	*2.02974318*	*7.71385252*	*18.50038009*	*147.63140027*	*1913.15326*	*18.49552239*	*141.51052991*
RelInt SD	*0.00037536*	*0.00001197*	*0.00000634*	*0.00001849*	*0.00001413*	*0.00000875*	*0.00017651*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	49705.13700	3242.15530	12845.60500	1489287	29316289	477115	4613.81880
Int RSD	*0.20535564*	*0.68027972*	*1.40510283*	*0.40179726*	*0.28712099*	*0.70325954*	*0.22572319*
Int SD	*102.07230000*	*22.05572500*	*180.49396000*	*5983.91510*	*84173.22000*	*3355.35530*	*10.41445900*
RelInt Mean	-0.00002127	-0.00007092	0.00008428	---	---	---	0.00023177
RelInt RSD	*15.93498725*	*17.11784076*	*8.78331647*	---	---	---	*16.22748588*
RelInt SD	*0.00000339*	*0.00001214*	*0.00000740*	---	---	---	*0.00003761*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	109.52270000	5839.03020	7065.98910	4675.14460	6213.84180	6431.88590	
Int RSD	*59.96184718*	*7.52903573*	*1.25060734*	*0.99899783*	*0.56823432*	*1.22877603*	
Int SD	*65.67183400*	*439.62267000*	*88.36777800*	*46.70459300*	*35.30918200*	*79.03347200*	
RelInt Mean	-0.00031785	0.00051232	0.00099183	0.00011075	0.00012206	0.00051633	
RelInt RSD	*49.11643836*	*19.58747597*	*4.23748711*	*38.68643308*	*13.56948117*	*14.48569900*	
RelInt SD	*0.00015612*	*0.00010035*	*0.00004203*	*0.00004284*	*0.00001656*	*0.00007479*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L1,S17110			Sample Type: Calibration Sample
Measure Date: 2022-08-10 08:51:42	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	49467.14500	1870.87820	3639.80190	7072.41430	8503.98880	2019.42340	6791.65410
Int RSD	*0.66450114*	*8.45968220*	*0.11822577*	*0.83012667*	*0.37450887*	*8.09654479*	*0.44447424*
Int SD	*328.70974000*	*158.27035000*	*4.30318380*	*58.70999700*	*31.84819200*	*163.50352000*	*30.18715300*
RelInt Mean	0.00003643	0.00109579	0.00002735	0.00104305	0.00127430	0.00384524	0.00032599
RelInt RSD	*29.37259262*	*4.35404897*	*8.57185192*	*1.82160298*	*1.84686651*	*10.39686858*	*4.40550296*
RelInt SD	*0.00001070*	*0.00004771*	*0.00000234*	*0.00001900*	*0.00002353*	*0.00039978*	*0.00001436*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6419.87610	51463.21800	13554.06200	685.09206000	2084.22240	16894.62500	5068.95380
Int RSD	*0.40968023*	*0.79815658*	*0.66531165*	*24.10569464*	*7.40733331*	*0.48833888*	*0.50231874*
Int SD	*26.30096300*	*410.75706000*	*90.17675300*	*165.14620000*	*154.38530000*	*82.50302200*	*25.46230500*
RelInt Mean	0.00057761	0.00038255	0.00380991	0.00121803	0.00033579	0.00614609	0.00049522
RelInt RSD	*2.74960944*	*0.74453312*	*1.38755200*	*26.32908484*	*16.30501436*	*0.42368536*	*6.43616342*
RelInt SD	*0.00001588*	*0.00000285*	*0.00005286*	*0.00032070*	*0.00005475*	*0.00002604*	*0.00003187*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	22160.57300	7577.81470	7343.83850	5059.53910	4189.71840	3736.66130	11192.38700
Int RSD	*4.14170496*	*0.74453710*	*0.26536913*	*0.40929732*	*1.28994517*	*0.65024679*	*8.21679924*
Int SD	*917.82555000*	*56.41964200*	*19.48828000*	*20.70855800*	*54.04507000*	*24.29752000*	*919.65597000*
RelInt Mean	0.03123029	0.00056894	0.00008276	0.00020618	0.00024542	0.00022744	0.02137193
RelInt RSD	*2.48268590*	*6.27100592*	*16.31953561*	*10.46730238*	*17.04749151*	*6.59604666*	*8.22825531*
RelInt SD	*0.00077535*	*0.00003568*	*0.00001351*	*0.00002158*	*0.00004184*	*0.00001500*	*0.00175854*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	63734.09800	3572.55530	13781.89200	1493523	28567280	468565	10605.30300
Int RSD	*1.02222558*	*0.58150229*	*1.85376101*	*0.33446278*	*0.61874582*	*0.13810914*	*0.10552087*
Int SD	*651.50625000*	*20.77449100*	*255.48334000*	*4995.27680*	*176759*	*647.13095000*	*11.19080800*
RelInt Mean	0.00037552	0.00008940	0.00009536	---	---	---	0.00416176
RelInt RSD	*2.30155708*	*6.46458334*	*0.56438795*	---	---	---	*0.72869940*
RelInt SD	*0.00000864*	*0.00000578*	*0.00000054*	---	---	---	*0.00003033*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	227.11722000	6104.80220	17699.28900	70854.98000	7226.21190	37469.05000	
Int RSD	*21.00490751*	*9.56669653*	*0.62533755*	*0.29619396*	*0.45074646*	*0.42330921*	
Int SD	*47.70576200*	*584.02790000*	*110.68030000*	*209.86817000*	*32.57189400*	*158.60994000*	
RelInt Mean	-0.00008700	0.00090947	0.00795446	0.04457379	0.00062633	0.02130709	
RelInt RSD	*158.21493134*	*38.47983608*	*1.13398642*	*0.47782824*	*2.06905482*	*0.39180283*	
RelInt SD	*0.00013764*	*0.00034996*	*0.00009020*	*0.00021299*	*0.00001296*	*0.00008348*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L2,S17109			Sample Type: Calibration Sample
Measure Date: 2022-08-10 08:54:59	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	50781.73300	2306.84890	7212.03780	19751.70200	57693.43100	966.20803000	21029.45100
Int RSD	*0.53797485*	*3.71988794*	*0.67971930*	*0.56724960*	*0.37449149*	*3.91391489*	*0.41032838*
Int SD	*273.19295000*	*85.81219400*	*49.02161300*	*112.04145000*	*216.05699000*	*37.81656000*	*86.28980500*
RelInt Mean	0.00003095	0.00219359	0.00237311	0.00945300	0.03415695	0.00156966	0.00977219
RelInt RSD	*8.56042758*	*5.53142802*	*1.98416081*	*0.34122902*	*0.76181444*	*15.96371538*	*0.55837816*
RelInt SD	*0.00000265*	*0.00012134*	*0.00004709*	*0.00003226*	*0.00026021*	*0.00025058*	*0.00005457*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	29809.13000	146162	108376	354.12616000	1920.04180	265525	26004.51900
Int RSD	*0.67085598*	*0.86249532*	*0.41860801*	*20.41201079*	*9.89180079*	*0.39818539*	*1.29862225*
Int SD	*199.97633000*	*1260.63800*	*453.67116000*	*72.28427000*	*189.92671000*	*1057.28040*	*337.70047000*
RelInt Mean	0.01616642	0.00365201	0.06727413	0.00051714	0.00017840	0.17277786	0.01446666
RelInt RSD	*0.12392594*	*1.47388538*	*0.88617966*	*30.32102933*	*153.45049468*	*0.91991717*	*0.81817308*
RelInt SD	*0.00002003*	*0.00005383*	*0.00059617*	*0.00015680*	*0.00027375*	*0.00158941*	*0.00011836*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	16208.56100	26643.05100	13157.40900	15686.92100	13971.49800	11792.54200	292084
Int RSD	*4.46872434*	*0.26817916*	*0.42009755*	*0.90236994*	*0.14821235*	*1.33464965*	*1.03011268*
Int SD	*724.31591000*	*71.45111000*	*55.27395300*	*141.55406000*	*20.70748600*	*157.38912000*	*3008.79040*
RelInt Mean	0.01875753	0.01323026	0.00387360	0.00724562	0.00673646	0.00557539	0.62526518
RelInt RSD	*1.83003119*	*1.05263707*	*0.51694325*	*2.09964482*	*0.64804161*	*1.25446365*	*0.42374618*
RelInt SD	*0.00034327*	*0.00013927*	*0.00002002*	*0.00015213*	*0.00004366*	*0.00006994*	*0.00264954*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	380802	10306.98300	22467.91700	1499436	28552369	466625	153689
Int RSD	*0.69311999*	*1.71574679*	*0.59706220*	*0.78316319*	*0.60387406*	*1.21924747*	*0.33708672*
Int SD	*2639.41590*	*176.84173000*	*134.14744000*	*11743.03000*	*172420*	*5689.31730*	*518.06643000*
RelInt Mean	0.01144394	0.00454419	0.00038378	---	---	---	0.10004163
RelInt RSD	*1.01355504*	*2.24462595*	*1.25244369*	---	---	---	*0.55368394*
RelInt SD	*0.00011599*	*0.00010200*	*0.00000481*	---	---	---	*0.00055391*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	7370.76530	10221.41000	7836.77340	4960.58420	29759.37500	6098.95570	
Int RSD	*6.00564218*	*9.10050815*	*0.35641311*	*1.21019819*	*0.19160590*	*0.08598150*	
Int SD	*442.66179000*	*930.20025000*	*27.93128800*	*60.03290000*	*57.02071700*	*5.24397360*	
RelInt Mean	0.01527273	0.01004603	0.00123122	0.00017780	0.01562128	0.00015123	
RelInt RSD	*7.32769208*	*6.65266117*	*5.25959373*	*24.96321466*	*0.71331974*	*3.17780906*	
RelInt SD	*0.00111914*	*0.00066833*	*0.00006476*	*0.00004439*	*0.00011143*	*0.00000481*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L3,S17108			Sample Type: Calibration Sample
Measure Date: 2022-08-10 08:58:15	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	52214.77500	8278.64830	38740.33100	130654	495630	1112.58910	142135
Int RSD	*0.66814924*	*6.42802340*	*0.69568143*	*0.29021623*	*0.19607817*	*14.08953225*	*0.16320051*
Int SD	*348.87262000*	*532.15345000*	*269.50929000*	*379.18028000*	*971.82310000*	*156.75860000*	*231.96491000*
RelInt Mean	0.00003191	0.01520041	0.02388333	0.08532184	0.33396044	0.00197217	0.09257270
RelInt RSD	*4.49945769*	*4.52273212*	*1.19172079*	*0.76292890*	*0.68396880*	*22.56386963*	*0.37367594*
RelInt SD	*0.00000144*	*0.00068747*	*0.00028462*	*0.00065094*	*0.00228419*	*0.00044500*	*0.00034592*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	232940	1031464	960683	511.95595000	2059.68470	2482573	211747
Int RSD	*0.14863712*	*0.64610348*	*0.13525224*	*13.53078541*	*11.50081321*	*0.59829465*	*0.39799069*
Int SD	*346.23554000*	*6664.32610*	*1299.34570*	*69.27166100*	*236.88049000*	*14853.10200*	*842.73466000*
RelInt Mean	0.15504722	0.03500269	0.65081667	0.00081554	0.00003861	1.69089560	0.14153097
RelInt RSD	*0.53841367*	*1.47201018*	*0.52432311*	*6.62929319*	*395.52139738*	*0.12241342*	*0.41351393*
RelInt SD	*0.00083480*	*0.00051524*	*0.00341238*	*0.00005406*	*0.00015272*	*0.00206988*	*0.00058525*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	16404.18800	195282	64217.98800	107950	103240	89082.45400	2788047
Int RSD	*5.35862635*	*0.03201470*	*0.18727768*	*0.29308114*	*0.20877399*	*0.43466450*	*0.65267648*
Int SD	*879.03914000*	*62.51889200*	*120.26596000*	*316.38179000*	*215.53766000*	*387.20980000*	*18196.92900*
RelInt Mean	0.01900223	0.12856237	0.03868589	0.07031849	0.06779703	0.05842299	6.20412320
RelInt RSD	*1.98200469*	*0.52232096*	*0.27032180*	*0.54333070*	*0.27840719*	*0.63149693*	*0.76589013*
RelInt SD	*0.00037663*	*0.00067151*	*0.00010458*	*0.00038206*	*0.00018875*	*0.00036894*	*0.04751677*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3267561	72899.79800	98640.19700	1472138	28245020	450731	1432561
Int RSD	*0.50393830*	*0.38019007*	*1.32676489*	*0.49041880*	*0.84222040*	*0.29883834*	*0.17694874*
Int SD	*16466.49100*	*277.15779000*	*1308.72350*	*7219.64350*	*237885*	*1346.95610*	*2534.89800*
RelInt Mean	0.11382900	0.04735814	0.00307415	---	---	---	0.97561252
RelInt RSD	*1.02871816*	*0.12527342*	*1.85467686*	---	---	---	*0.46905334*
RelInt SD	*0.00117098*	*0.00005933*	*0.00005702*	---	---	---	*0.00457614*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	78298.28600	48587.12700	9554.56100	5513.83260	226321	6503.43680	
Int RSD	*5.23034744*	*6.87762584*	*0.53903876*	*1.38825065*	*0.09349550*	*0.29378205*	
Int SD	*4095.27240*	*3341.64080*	*51.50278700*	*76.54581700*	*211.59952000*	*19.10593000*	
RelInt Mean	0.17373481	0.09474996	0.00234513	0.00048031	0.15004961	0.00037033	
RelInt RSD	*5.11951687*	*5.91547169*	*1.18358181*	*11.00825497*	*0.39698242*	*1.01751048*	
RelInt SD	*0.00889438*	*0.00560491*	*0.00002776*	*0.00005287*	*0.00059567*	*0.00000377*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L4,S17107			Sample Type: Calibration Sample
Measure Date: 2022-08-10 09:01:32	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	57649.76900	61231.29800	336554	1228523	4652201	1228.15770	1287379
Int RSD	*0.45603789*	*6.11177669*	*0.16458103*	*0.28384954*	*0.12032450*	*5.63802083*	*0.23970456*
Int SD	*262.90479000*	*3742.32020*	*553.90399000*	*3487.15580*	*5597.73730*	*69.24378700*	*3085.90710*
RelInt Mean	-0.00004309	0.13410438	0.22826955	0.84091060	3.19558810	0.00211201	0.88002967
RelInt RSD	*37.74361296*	*5.30478512*	*0.21037576*	*0.24275070*	*0.31261018*	*3.83102195*	*0.29771297*
RelInt SD	*0.00001626*	*0.00711395*	*0.00048022*	*0.00204132*	*0.00998973*	*0.00008091*	*0.00261996*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	2165134	9718668	8913856	442.87394000	2186.06480	22834162	2038127
Int RSD	*0.24112997*	*1.03206027*	*0.23035910*	*39.62446966*	*5.98570957*	*0.32815449*	*0.28720391*
Int SD	*5220.78670*	*100303*	*20533.87900*	*175.48645000*	*130.85149000*	*74931.32700*	*5853.58040*
RelInt Mean	1.48365240	0.35643781	6.12738110	0.00062463	0.00040478	15.70641500	1.39816070
RelInt RSD	*0.30221366*	*0.54260843*	*0.33650171*	*41.61103465*	*5.43214513*	*0.60598093*	*0.19489265*
RelInt SD	*0.00448380*	*0.00193406*	*0.02061874*	*0.00025991*	*0.00002199*	*0.09517788*	*0.00272491*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	14721.07600	1788586	536282	1056148	5105.37200	825889	24389841
Int RSD	*5.20872217*	*0.35557703*	*0.12734118*	*0.11746906*	*0.48345180*	*0.26151803*	*1.44819489*
Int SD	*766.77995000*	*6359.80140*	*682.90835000*	*1240.64760*	*24.68201300*	*2159.84920*	*353212*
RelInt Mean	0.01567488	1.22428640	0.36248017	0.72158942	0.00006905	0.56514288	54.79819800
RelInt RSD	*1.19769615*	*0.42149323*	*0.19932159*	*0.18843788*	*32.91348163*	*0.09086059*	*2.43617390*
RelInt SD	*0.00018774*	*0.00516028*	*0.00072250*	*0.00135975*	*0.00002273*	*0.00051349*	*1.33497940*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	30775829	662966	828351	1463301	27125275	446684	13052548
Int RSD	*1.32172531*	*0.16115873*	*1.53701226*	*0.30619328*	*0.78056724*	*1.20606258*	*0.17303243*
Int SD	*406772*	*1068.42750*	*12731.86300*	*4480.52930*	*211731*	*5387.28930*	*22585.14100*
RelInt Mean	1.13359900	0.45211937	0.03007145	---	---	---	8.97632310
RelInt RSD	*0.87540487*	*0.19570216*	*1.70670890*	---	---	---	*0.41684358*
RelInt SD	*0.00992358*	*0.00088481*	*0.00051323*	---	---	---	*0.03741723*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	769518	409895	26881.13900	10584.89100	2106448	9530.96890	
Int RSD	*1.54139950*	*1.30741072*	*0.22575796*	*2.22636964*	*0.26370429*	*1.81852183*	
Int SD	*11861.34400*	*5359.01510*	*60.68631100*	*235.65880000*	*5554.79330*	*173.32275000*	
RelInt Mean	1.72668070	0.90326957	0.01390497	0.00323090	1.44234700	0.00181092	
RelInt RSD	*0.34979912*	*0.03187002*	*0.60382782*	*5.66569593*	*0.23102553*	*5.76492966*	
RelInt SD	*0.00603991*	*0.00028787*	*0.00008396*	*0.00018305*	*0.00333219*	*0.00010440*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L5,S16645			Sample Type: Calibration Sample
Measure Date: 2022-08-10 09:04:49	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	1669026	1726.73900	3732.12980	9204.82860	7241.66540	1058.84190	6633.15840
Int RSD	*0.77740547*	*7.32380979*	*1.22574954*	*3.60666900*	*0.76937265*	*3.09920933*	*0.71339585*
Int SD	*12975.10100*	*126.46308000*	*45.74656400*	*331.98770000*	*55.71539300*	*32.81572700*	*47.32067700*
RelInt Mean	0.05749032	0.00079913	-0.00000679	0.00232524	0.00023423	0.00185282	0.00004741
RelInt RSD	*1.52145175*	*26.19799506*	*396.93715740*	*9.81676508*	*16.19064657*	*15.31344331*	*56.17226147*
RelInt SD	*0.00087469*	*0.00020936*	*0.00002697*	*0.00022826*	*0.00003792*	*0.00028373*	*0.00002663*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	5975.07010	55638.73800	12041.64100	449.33411000	2153.82830	9758.76040	8646.39760
Int RSD	*2.58455478*	*6.14414475*	*11.15062058*	*29.86647731*	*13.90263281*	*4.73541568*	*20.83613990*
Int SD	*154.42896000*	*3418.52460*	*1342.71770*	*134.20027000*	*299.43884000*	*462.11787000*	*1801.57550*
RelInt Mean	0.00013677	0.00046374	0.00258187	0.00070012	0.00032357	0.00115645	0.00278504
RelInt RSD	*76.38985205*	*28.34485442*	*35.30587194*	*33.91730658*	*126.65947410*	*26.00217873*	*43.73176303*
RelInt SD	*0.00010448*	*0.00013145*	*0.00091155*	*0.00023746*	*0.00040983*	*0.00030070*	*0.00121795*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	16682.69800	7293.76910	7456.01410	5542.12330	4016.63840	4440.85290	1614.32720
Int RSD	*5.60386396*	*0.72259322*	*0.81612582*	*3.49308161*	*0.58102868*	*8.93510411*	*9.85350368*
Int SD	*934.87570000*	*52.70428100*	*60.85045600*	*193.59089000*	*23.33782100*	*396.79483000*	*159.06779000*
RelInt Mean	0.01985211	0.00018649	-0.00004946	0.00040304	0.00002546	0.00060679	0.00090436
RelInt RSD	*3.45688406*	*20.88019406*	*93.46660575*	*31.52440218*	*56.12575776*	*41.83276666*	*21.97385118*
RelInt SD	*0.00068626*	*0.00003894*	*0.00004623*	*0.00012705*	*0.00001429*	*0.00025384*	*0.00019872*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	107461	6110.69880	14682.60200	1490317	28168955	457198	5949.15680
Int RSD	*12.96227358*	*28.14648138*	*0.96891682*	*0.21973318*	*1.03121869*	*0.92776163*	*5.05678485*
Int SD	*13929.39400*	*1719.94670*	*142.26220000*	*3274.72010*	*290484*	*4241.71160*	*300.83606000*
RelInt Mean	0.00184459	0.00170494	0.00010622	---	---	---	0.00090466
RelInt RSD	*27.16367587*	*67.87181091*	*8.46404078*	---	---	---	*22.39700207*
RelInt SD	*0.00050106*	*0.00115718*	*0.00000899*	---	---	---	*0.00020262*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	181.71924000	5974.96090	7575.81470	4940.97700	6878.09260	6474.77490	
Int RSD	*50.17681507*	*11.63605707*	*0.98004986*	*1.57483352*	*0.98008528*	*0.73098974*	
Int SD	*91.18092700*	*695.24986000*	*74.24676100*	*77.81216200*	*67.41117300*	*47.32994000*	
RelInt Mean	-0.00020686	0.00063845	0.00098432	0.00012618	0.00021997	0.00037468	
RelInt RSD	*61.34834042*	*23.74821686*	*3.25568213*	*47.90438046*	*28.33899183*	*6.31641357*	
RelInt SD	*0.00012690*	*0.00015162*	*0.00003205*	*0.00006045*	*0.00006234*	*0.00002367*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L6,S17115			Sample Type: Calibration Sample	
Measure Date: 2022-08-10 09:08:05	Recalculation Date:	State: Measured	Quality:	

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	53107.84900	2153.46440	3776.29510	8231.48740	7243.51490	89406.52300	6718.51460
Int RSD	*1.26041887*	*7.43563256*	*0.34682888*	*1.96115978*	*0.20682523*	*6.09917713*	*0.44023551*
Int SD	*669.38135000*	*160.12370000*	*13.09728200*	*161.43262000*	*14.98141600*	*5453.06220*	*29.57728700*
RelInt Mean	0.00004375	0.00071388	-0.00004983	0.00157910	0.00009945	0.20126419	-0.00000798
RelInt RSD	*26.26011238*	*10.70977416*	*58.70091621*	*5.98414376*	*14.99429645*	*6.43735629*	*307.15663223*
RelInt SD	*0.00001149*	*0.00007645*	*0.00002925*	*0.00009450*	*0.00001491*	*0.01295609*	*0.00002451*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6016.43140	50743.57900	10569.91100	22589.97500	16897.96000	8682.09600	5328.40680
Int RSD	*1.02839501*	*0.55645373*	*1.34549421*	*9.28884693*	*7.99543495*	*0.35349439*	*3.47890255*
Int SD	*61.87268000*	*282.36454000*	*142.21754000*	*2098.34820*	*1351.06540*	*30.69072200*	*185.37008000*
RelInt Mean	0.00005660	0.00027693	0.00148833	0.05060076	0.03354602	0.00026676	0.00048802
RelInt RSD	*28.68172138*	*1.94922477*	*5.33437894*	*9.58412029*	*8.15989484*	*2.55515636*	*22.67369397*
RelInt SD	*0.00001624*	*0.00000540*	*0.00007939*	*0.00484964*	*0.00273732*	*0.00000682*	*0.00011065*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	478485	7397.49970	7605.09770	5172.41610	4087.32830	3924.06260	1296.15340
Int RSD	*0.21231952*	*0.27794864*	*0.21550502*	*1.31118440*	*2.17196032*	*1.56132792*	*7.24177725*
Int SD	*1015.91660*	*20.56125000*	*16.38936700*	*67.81991300*	*88.77514900*	*61.26748500*	*93.86454200*
RelInt Mean	1.06063510	0.00014041	-0.00007699	0.00005179	0.00000433	0.00018792	0.00022338
RelInt RSD	*0.28090912*	*3.23260968*	*54.73742677*	*69.90678667*	*1258.68531*	*21.47011972*	*127.93732829*
RelInt SD	*0.00297942*	*0.00000454*	*0.00004214*	*0.00003621*	*0.00005455*	*0.00004035*	*0.00028579*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	70896.66000	3665.08490	14510.30600	1456973	27123257	444651	5523.89670
Int RSD	*3.36689161*	*1.64579759*	*1.28316612*	*1.00305819*	*1.48971239*	*0.47028878*	*0.61936131*
Int SD	*2387.01370*	*60.31987900*	*186.19133000*	*14614.29000*	*404059*	*2091.14170*	*34.21287900*
RelInt Mean	0.00053264	-0.00001817	0.00008796	---	---	---	0.00055736
RelInt RSD	*15.91144577*	*87.67646702*	*7.33964871*	---	---	---	*3.42238407*
RelInt SD	*0.00008475*	*0.00001593*	*0.00000646*	---	---	---	*0.00001908*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	128.88852000	6034.27290	995656	5057.80570	6910.85500	6376.73020	
Int RSD	*48.03873844*	*14.88084886*	*0.37108195*	*0.40788075*	*0.85166652*	*0.50819426*	
Int SD	*61.91641900*	*897.95103000*	*3694.69840*	*20.62981600*	*58.85743800*	*32.40617700*	
RelInt Mean	-0.00034024	0.00067640	0.68250306	0.00014606	0.00014278	0.00024286	
RelInt RSD	*36.07229364*	*39.42482293*	*1.00061104*	*23.20458059*	*30.12383969*	*5.36838698*	
RelInt SD	*0.00012273*	*0.00026667*	*0.00682920*	*0.00003389*	*0.00004301*	*0.00001304*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L7,S17113			Sample Type: Calibration Sample
Measure Date: 2022-08-10 09:11:21	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	52686.83300	1794.04530	3676.90530	7753.97690	7134.61920	1128.04760	6700.87090
Int RSD	*0.12934330*	*7.07874099*	*0.94843664*	*0.65788666*	*0.23075103*	*15.48276243*	*0.65747836*
Int SD	*68.14689000*	*126.99582000*	*34.87311700*	*51.01238000*	*16.46320700*	*174.65293000*	*44.05677600*
RelInt Mean	0.00003995	0.00068046	-0.00008535	0.00124559	0.00007066	0.00204704	-0.00000104
RelInt RSD	*11.05174357*	*25.05140630*	*39.65987430*	*2.42104660*	*21.43877263*	*21.10975012*	*1562.87213*
RelInt SD	*0.00000441*	*0.00017046*	*0.00003385*	*0.00003016*	*0.00001515*	*0.00043212*	*0.00001618*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	5974.82520	50591.03200	9259.75720	554.18269000	2153.79900	8507.03100	4802.95300
Int RSD	*0.73196046*	*0.11811924*	*0.22249341*	*33.86298118*	*7.98794827*	*0.50361668*	*0.50666754*
Int SD	*43.73335800*	*59.75774100*	*20.60235000*	*187.66278000*	*172.04435000*	*42.84282700*	*24.33500400*
RelInt Mean	0.00006383	0.00026474	0.00058115	0.00085862	0.00001939	0.00019414	0.00013286
RelInt RSD	*32.17837102*	*1.81817245*	*2.85884209*	*34.94793276*	*667.31503545*	*5.86695474*	*29.41199665*
RelInt SD	*0.00002054*	*0.00000481*	*0.00001661*	*0.00030007*	*0.00012941*	*0.00001139*	*0.00003908*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	17756.70500	7367.68800	7556.78940	5143.48200	4072.92710	3721.02100	1240.22940
Int RSD	*7.00315515*	*0.57986822*	*0.67906480*	*0.48513952*	*0.55969975*	*0.26825916*	*22.12753302*
Int SD	*1243.52960*	*42.72288100*	*51.31549700*	*24.95306400*	*22.79616300*	*9.98197970*	*274.43217000*
RelInt Mean	0.02156530	0.00013699	-0.00007762	0.00005882	-0.00000101	0.00007957	-0.00024350
RelInt RSD	*5.09767821*	*15.48722380*	*23.83955026*	*21.18671751*	*1047.55836*	*20.74199170*	*87.74646548*
RelInt SD	*0.00109933*	*0.00002122*	*0.00001850*	*0.00001246*	*0.00001062*	*0.00001651*	*0.00021366*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	57046.49000	3586.62440	14234.90200	1506907	28322129	457645	5247.69110
Int RSD	*0.30164568*	*0.36969316*	*0.41273591*	*0.62014003*	*0.25981406*	*0.89946801*	*0.25980475*
Int SD	*172.07827000*	*13.25950500*	*58.75255200*	*9344.93290*	*73584.87300*	*4116.36930*	*13.63375100*
RelInt Mean	0.00002525	-0.00005663	0.00008214	---	---	---	0.00036043
RelInt RSD	*28.85533001*	*25.27005180*	*5.96618476*	---	---	---	*7.11540323*
RelInt SD	*0.00000729*	*0.00001431*	*0.00000490*	---	---	---	*0.00002565*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	199.99051000	6161.15390	8035.74470	648179	6898.37380	306197	
Int RSD	*18.57734800*	*13.07063130*	*0.70384722*	*0.52085105*	*0.74894696*	*0.40113482*	
Int SD	*37.15293300*	*805.30171000*	*56.55936600*	*3376.04680*	*51.66516100*	*1228.26450*	
RelInt Mean	-0.00026944	0.00051168	0.00120095	0.42919934	0.00013343	0.20032531	
RelInt RSD	*23.76430862*	*19.60152586*	*2.99857604*	*1.01061640*	*21.47505138*	*0.94721546*	
RelInt SD	*0.00006403*	*0.00010030*	*0.00003601*	*0.00433756*	*0.00002865*	*0.00189751*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L8,S17048			Sample Type: Calibration Sample
Measure Date: 2022-08-10 09:14:38	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	51922.16000	6885.00670	4100.73540	8257.49080	7800.71060	1579232	7196.50240
Int RSD	*0.30211255*	*6.84015253*	*0.04251995*	*0.29292844*	*1.07275540*	*0.29884065*	*1.39012223*
Int SD	*156.86336000*	*470.94496000*	*1.74363050*	*24.18853900*	*83.68254400*	*4719.38630*	*100.04018000*
RelInt Mean	0.00003177	-0.00178050	-0.00006318	0.00120975	0.00020825	3.77011060	0.00001957
RelInt RSD	*5.58395997*	*44.47956957*	*30.82423721*	*0.90573902*	*21.65539910*	*0.68265188*	*240.86775901*
RelInt SD	*0.00000177*	*0.00079196*	*0.00001947*	*0.00001096*	*0.00004510*	*0.02573673*	*0.00004713*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6668.71310	51028.37200	10111.34700	83498.02200	269092	9686.96810	5038.69860
Int RSD	*0.19066421*	*0.20841402*	*0.58363263*	*8.33574764*	*0.71345236*	*0.35100354*	*1.12983579*
Int SD	*12.71484900*	*106.35028000*	*59.01312000*	*6960.18440*	*1919.84600*	*34.00160100*	*56.92902000*
RelInt Mean	0.00007371	0.00029723	0.00069650	0.19906196	0.63570812	0.00053353	0.00007637
RelInt RSD	*18.36215032*	*0.54068280*	*2.63355084*	*9.25202987*	*0.42734106*	*3.44311060*	*45.18987997*
RelInt SD	*0.00001353*	*0.00000161*	*0.00001834*	*0.01841727*	*0.00271664*	*0.00001837*	*0.00003451*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	1705762	7936.40300	8021.54190	5407.22500	4303.99190	3935.36860	2583.10240
Int RSD	*0.09892859*	*0.64180859*	*0.91010314*	*0.18865279*	*0.17041335*	*0.95586640*	*10.28754687*
Int SD	*1687.48610*	*50.93651600*	*73.00430500*	*10.20088100*	*7.33457680*	*37.61686600*	*265.73787000*
RelInt Mean	4.04755310	0.00019489	-0.00008320	0.00002469	0.00000723	0.00002006	0.00314498
RelInt RSD	*1.03695907*	*15.26894791*	*71.31873385*	*143.87819342*	*320.91006050*	*28.36504290*	*19.61134089*
RelInt SD	*0.04197147*	*0.00002976*	*0.00005934*	*0.00003552*	*0.00002320*	*0.00000569*	*0.00061677*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	60611.65600	3844.23980	15401.23300	1366164	25685496	420304	5610.81890
Int RSD	*0.29324309*	*0.59184026*	*0.67104075*	*0.21573377*	*0.38971153*	*0.97279475*	*1.15535763*
Int SD	*177.73949000*	*22.75175900*	*103.34855000*	*2947.27750*	*100099*	*4088.69970*	*64.82502400*
RelInt Mean	0.00011483	-0.00004407	0.00009179	---	---	---	0.00045434
RelInt RSD	*3.23986486*	*21.99920690*	*3.00769863*	---	---	---	*8.54917200*
RelInt SD	*0.00000372*	*0.00000970*	*0.00000276*	---	---	---	*0.00003884*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	170.52497000	5852.68470	8414.56970	5464.00200	7322.72150	6712.47210	
Int RSD	*47.43818398*	*12.85157186*	*0.59876602*	*1.38066007*	*0.38819914*	*0.14023389*	
Int SD	*80.89394900*	*752.16198000*	*50.38358400*	*75.43929400*	*28.42674200*	*9.41316100*	
RelInt Mean	-0.00030662	0.00052065	0.00105877	0.00030456	0.00012839	0.00025753	
RelInt RSD	*42.91242787*	*52.84312004*	*3.55651239*	*8.73158801*	*1.34106427*	*14.92968657*	
RelInt SD	*0.00013158*	*0.00027513*	*0.00003766*	*0.00002659*	*0.00000172*	*0.00003845*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICV,S17024			Sample Type: Control Sample
Measure Date: 2022-08-10 09:18:07	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	410101	7378.87740	37725.61600	128509	452931	841761	258929
Int RSD	*0.29713186*	*6.18444562*	*0.59822692*	*0.66776779*	*0.21290149*	*0.36935544*	*0.23839714*
Int SD	*1218.54060*	*456.34266000*	*225.68479000*	*858.14371000*	*964.29716000*	*3109.09030*	*617.27888000*
RelInt Mean	0.01358073	0.00765543	0.02424166	0.08814699	0.32166738	1.95745100	0.18170605
RelInt RSD	*0.42854938*	*4.84608357*	*1.33675671*	*1.36442844*	*0.88286288*	*0.27185972*	*0.91235014*
RelInt SD	*0.00005820*	*0.00037099*	*0.00032405*	*0.00120270*	*0.00283988*	*0.00532152*	*0.00165780*
Conc Mean	0.47134266[mg/l]	1.00398020[mg/l]	1.06287440[mg/l]	1.03806810[mg/l]	1.00200350[mg/l]	103.77043000[mg/l]	1.03008830[mg/l]
Conc RSD	*0.42987189*	*5.54691855*	*1.33379212*	*1.37928388*	*0.88205696*	*0.27215858*	*0.91379131*
Conc SD	*0.00202617[mg/l]*	*0.05568996[mg/l]*	*0.01417654[mg/l]*	*0.01431791[mg/l]*	*0.00883824[mg/l]*	*0.28242013[mg/l]*	*0.00941286[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	210856	975178	445687	46258.11300	138129	2199815	208028
Int RSD	*0.33578914*	*0.80773973*	*0.17084962*	*8.74791564*	*1.04928145*	*0.64927560*	*0.46897870*
Int SD	*708.03178000*	*7876.90350*	*761.45424000*	*4046.62070*	*1449.36680*	*14282.86400*	*975.60607000*
RelInt Mean	0.14740819	0.03536974	0.31535930	0.10722472	0.31567949	1.58218260	0.14662803
RelInt RSD	*0.97097800*	*1.01335845*	*0.82385137*	*9.04195077*	*0.63541347*	*0.12213573*	*1.17090382*
RelInt SD	*0.00143130*	*0.00035842*	*0.00259809*	*0.00969521*	*0.00200587*	*0.00193241*	*0.00171687*
Conc Mean	0.99289668[mg/l]	0.98595478[mg/l]	1.02738860[mg/l]	107.38018000[mg/l]	99.27261200[mg/l]	1.00617760[mg/l]	1.04856550[mg/l]
Conc RSD	*0.97117351*	*1.02088566*	*0.82493476*	*9.10579690*	*0.63579918*	*0.12218610*	*1.17093181*
Conc SD	*0.00964275[mg/l]*	*0.01006547[mg/l]*	*0.00847529[mg/l]*	*9.77782110[mg/l]*	*0.63117445[mg/l]*	*0.00122941[mg/l]*	*0.01227799[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	904520	174791	59205.82100	40135.01900	34710.13100	394597	516701
Int RSD	*0.53875299*	*0.34690867*	*0.49557926*	*0.31732087*	*0.51068868*	*0.23060973*	*0.45768933*
Int SD	*4873.12760*	*606.36524000*	*293.41177000*	*127.35679000*	*177.26071000*	*909.97988000*	*2364.88320*
RelInt Mean	2.08364630	0.12058730	0.03684995	0.02506997	0.02193904	0.28217003	1.19928140
RelInt RSD	*0.10622014*	*0.38136720*	*1.20733729*	*0.89710807*	*1.27472445*	*0.90655655*	*0.22845179*
RelInt SD	*0.00221325*	*0.00045988*	*0.00044490*	*0.00022490*	*0.00027966*	*0.00255803*	*0.00273978*
Conc Mean	102.29729000[mg/l]	0.98326592[mg/l]	1.01646050[mg/l]	1.03721370[mg/l]	0.97087864[mg/l]	4.99079140[mg/l]	0.96652075[mg/l]
Conc RSD	*0.10717120*	*0.38187815*	*1.20545835*	*0.89738133*	*1.27468063*	*0.90671409*	*0.22843287*
Conc SD	*0.10963323[mg/l]*	*0.00375488[mg/l]*	*0.01225301[mg/l]*	*0.00930776[mg/l]*	*0.01237560[mg/l]*	*0.04525221[mg/l]*	*0.00220785[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3126588	25549.05200	171020	1394091	26326062	431319	443451
Int RSD	*1.28956646*	*0.26965361*	*0.36348491*	*0.66179821*	*0.18558293*	*0.46925241*	*0.07317624*
Int SD	*40319.42900*	*68.89394100*	*621.63226000*	*9226.06800*	*48856.67800*	*2023.97550*	*324.50081000*
RelInt Mean	0.11672305	0.01554563	0.00601594	---	---	---	0.31655680
RelInt RSD	*1.48897831*	*0.76203993*	*0.44911659*	---	---	---	*0.71476279*
RelInt SD	*0.00173798*	*0.00011846*	*0.00002702*	---	---	---	*0.00226263*
Conc Mean	1.02978670[mg/l]	1.03002310[mg/l]	0.98865129[mg/l]	1384571	26249916	429742	0.97219305[mg/l]
Conc RSD	*1.48871509*	*0.75817099*	*0.45564341*	---	---	---	*0.71518532*
Conc SD	*0.01533059[mg/l]*	*0.00780934[mg/l]*	*0.00450472[mg/l]*	*9211.18170*	*48805.03300*	*2056.28990*	*0.00695298[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	143146	43704.61900	521127	330235	425824	6835.97730	
Int RSD	*0.93339814*	*7.09823280*	*0.02150001*	*0.26142859*	*0.22765487*	*0.92939295*	
Int SD	*1336.12210*	*3102.25560*	*112.04243000*	*863.32838000*	*969.40995000*	*63.53309100*	
RelInt Mean	0.33214835	0.08850761	0.37117677	0.23460882	0.30208638	0.00034453	
RelInt RSD	*1.04274205*	*6.88498827*	*0.69071068*	*0.91153662*	*0.85737291*	*7.67257858*	
RelInt SD	*0.00346345*	*0.00609374*	*0.00256376*	*0.00213855*	*0.00259001*	*0.00002643*	
Conc Mean	0.96248809[mg/l]	0.97425229[mg/l]	5.40822540[mg/l]	5.46502690[mg/l]	1.04255240[mg/l]	<-0.00859833[mg/l]	
Conc RSD	*1.04174577*	*6.92538901*	*0.69047681*	*0.91196828*	*0.85597183*	*15.38646047*	
Conc SD	*0.01002668[mg/l]*	*0.06747076[mg/l]*	*0.03734254[mg/l]*	*0.04983931[mg/l]*	*0.00892395[mg/l]*	*0.00132298[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 467089 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482320208013 File : met06_master Time : 10-AUG-2022 09:28
Cal : 482320208001 Caldate : 10-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29316289	27932064	-4.72
Yttrium	A	1489287	1489892	0.04
Yttrium	R	477115	456171	-4.39

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICB,1			Sample Type: Control Sample
Measure Date: 2022-08-10 09:28:20	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	53700.46500	1765.12110	3756.30750	7382.47230	7253.37210	1026.20760	6819.13570
Int RSD	*0.28652839*	*8.05648519*	*0.84107803*	*0.72209844*	*0.75605104*	*8.50054122*	*0.62984640*
Int SD	*153.86708000*	*142.20672000*	*31.59347700*	*53.30871700*	*54.83919500*	*87.23320000*	*42.95008100*
RelInt Mean	0.00004156	0.00070862	-0.00006714	0.00093371	0.00008096	0.00181864	0.00001442
RelInt RSD	*8.32978145*	*18.29492120*	*65.08285462*	*4.66183929*	*59.23641020*	*14.49488653*	*311.46580221*
RelInt SD	*0.00000346*	*0.00012964*	*0.00004370*	*0.00004353*	*0.00004796*	*0.00026361*	*0.00004491*
Conc Mean	<-0.00000665[mg/l]	<-0.03882223[mg/l]	<-0.00034260[mg/l]	<-0.00018551[mg/l]	<-0.00006036[mg/l]	<-0.01683378[mg/l]	<0.00013448[mg/l]
Conc RSD	*1812.50197*	*50.12794732*	*558.30796971*	*279.33777558*	*248.12690253*	*83.10675220*	*189.66333460*
Conc SD	*0.00012053[mg/l]*	*0.01946079[mg/l]*	*0.00191276[mg/l]*	*0.00051819[mg/l]*	*0.00014976[mg/l]*	*0.01399001[mg/l]*	*0.00025505[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	5991.03960	51373.52500	9582.82510	537.98420000	2043.02840	8573.52190	4790.89100
Int RSD	*0.11422139*	*0.54689348*	*0.40576636*	*25.99654600*	*9.47704936*	*0.22880196*	*0.31372304*
Int SD	*6.84304870*	*280.95846000*	*38.88388100*	*139.85731000*	*193.61881000*	*19.61638600*	*15.03012900*
RelInt Mean	0.00000623	0.00026068	0.00071435	0.00087745	-0.00005565	0.00014739	0.00008319
RelInt RSD	*271.16209411*	*4.49019516*	*2.11169264*	*24.53881788*	*171.98694830*	*7.48184182*	*23.87257758*
RelInt SD	*0.00001689*	*0.00001170*	*0.00001508*	*0.00021532*	*0.00009571*	*0.00001103*	*0.00001986*
Conc Mean	<-0.00016088[mg/l]	<-0.00000315[mg/l]	0.00097996[mg/l]	<0.12668287[mg/l]	<-0.07776747[mg/l]	<-0.00028779[mg/l]	<0.00056918[mg/l]
Conc RSD	*70.72439958*	*10430.20004*	*5.02150774*	*171.41214909*	*38.72747850*	*2.43765351*	*24.95277464*
Conc SD	*0.00011378[mg/l]*	*0.00032871[mg/l]*	*0.00004921[mg/l]*	*0.21714983[mg/l]*	*0.03011738[mg/l]*	*0.00000702[mg/l]*	*0.00014202[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	17729.71500	7515.90420	7675.14540	5146.19860	4158.46990	3796.56530	1135.93970
Int RSD	*5.49201885*	*0.81719959*	*0.27774002*	*0.70643543*	*1.51478918*	*1.04591469*	*15.89966791*
Int SD	*973.71929000*	*61.41993800*	*21.31695000*	*36.35457000*	*62.99205200*	*39.70883400*	*180.61064000*
RelInt Mean	0.02180811	0.00016781	-0.00008301	0.00001241	0.00001871	0.00008838	-0.00027366
RelInt RSD	*1.67843192*	*21.50123926*	*37.63809441*	*119.53997088*	*224.73620801*	*47.21250897*	*33.57402635*
RelInt SD	*0.00036603*	*0.00003608*	*0.00003124*	*0.00001483*	*0.00004204*	*0.00004173*	*0.00009188*
Conc Mean	<0.16300619[mg/l]	<0.00005345[mg/l]	<-0.00139605[mg/l]	<0.00103789[mg/l]	<0.00086053[mg/l]	<0.00069943[mg/l]	<-0.00012359[mg/l]
Conc RSD	*11.12332851*	*551.15136103*	*61.43045695*	*59.49047035*	*216.20288036*	*105.53684291*	*59.90651396*
Conc SD	*0.01813171[mg/l]*	*0.00029460[mg/l]*	*0.00085760[mg/l]*	*0.00061744[mg/l]*	*0.00186050[mg/l]*	*0.00073816[mg/l]*	*0.00007404[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	57846.55200	3629.62140	14635.18700	1489892	27932064	456171	5222.29240
Int RSD	*0.10965531*	*0.33836884*	*0.67614041*	*0.74481712*	*0.08193693*	*0.89935243*	*0.45359547*
Int SD	*63.43181700*	*12.28150800*	*98.95441300*	*11096.96700*	*22886.67500*	*4102.58920*	*23.68808200*
RelInt Mean	0.00001540	-0.00006328	0.00009368	---	---	---	0.00029127
RelInt RSD	*15.08636491*	*22.87292170*	*3.50327884*	---	---	---	*6.06680020*
RelInt SD	*0.00000232*	*0.00001447*	*0.00000328*	---	---	---	*0.00001767*
Conc Mean	0.00031866[mg/l]	<0.00038366[mg/l]	<0.00156735[mg/l]	1480642	27857763	454500	0.00017685[mg/l]
Conc RSD	*6.43028536*	*250.22139496*	*34.91009989*	---	---	---	*30.69288971*
Conc SD	*0.00002049[mg/l]*	*0.00096000[mg/l]*	*0.00054716[mg/l]*	*11104.38900*	*22910.36400*	*4003.18670*	*0.00005428[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	121.68745000	6006.41980	7829.51560	4962.97480	6978.49740	6184.44070	
Int RSD	*71.74107026*	*13.21958582*	*0.65807334*	*2.99083808*	*0.52027565*	*1.45090807*	
Int SD	*87.29987900*	*794.02382000*	*51.52395500*	*148.43454000*	*36.30742300*	*89.73054900*	
RelInt Mean	-0.00029493	0.00043782	0.00100716	0.00008832	0.00013018	0.00010205	
RelInt RSD	*23.26546086*	*61.39526005*	*1.55855977*	*122.44622208*	*16.38889452*	*53.49059955*	
RelInt SD	*0.00006862*	*0.00026880*	*0.00001570*	*0.00010815*	*0.00002134*	*0.00005459*	
Conc Mean	<0.00006637[mg/l]	<-0.00086922[mg/l]	<0.00021221[mg/l]	<-0.00052259[mg/l]	<0.00000824[mg/l]	<-0.02073385[mg/l]	
Conc RSD	*299.29244839*	*342.39683579*	*107.28853443*	*482.29029791*	*979.12401571*	*13.17648277*	
Conc SD	*0.00019864[mg/l]*	*0.00297619[mg/l]*	*0.00022768[mg/l]*	*0.00252041[mg/l]*	*0.00008063[mg/l]*	*0.00273199[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 467089 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482320208014 File : met06_master Time : 10-AUG-2022 09:31
Cal : 482320208001 Caldate : 10-AUG-2022
Standards: S16979, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[0.002084]	0.003333	mg/l	

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	142.5	mg/l	89	
Aluminum	R	400.0	380.9	mg/l	95	
Calcium	R	400.0	403.5	mg/l	101	
Magnesium	R	400.0	412.9	mg/l	103	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29316289	25458578	-13.16
Yttrium	A	1489287	1340538	-9.99
Yttrium	R	477115	417859	-12.42

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSA,S16979				Sample Type: Control Sample			
Measure Date: 2022-08-10 09:31:36		Recalculation Date:		State: Checked		Quality:	

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	53507.74800	1070200	10687.35300	10600.43800	8923.87040	3165703	8519.60210
Int RSD	*0.67301595*	*0.43943636*	*0.46914212*	*0.06509654*	*0.66641239*	*0.38918658*	*0.80963968*
Int SD	*360.11568000*	*4702.84750*	*50.13887400*	*6.90051860*	*59.46977800*	*12320.49100*	*68.97807900*
RelInt Mean	0.00002358	2.53836440	-0.00009554	0.00156931	0.00019935	7.60425600	0.00019746
RelInt RSD	*17.27091294*	*1.22489104*	*30.76394609*	*0.78285719*	*29.84087129*	*1.34350330*	*23.80240204*
RelInt SD	*0.00000407*	*0.03109220*	*0.00002939*	*0.00001229*	*0.00005949*	*0.10216343*	*0.00004700*
Conc Mean	<-0.00063253[mg/l]	>380.89496000[mg/l]	<-0.00158405[mg/l]	0.00738119[mg/l]	<0.00032226[mg/l]	>403.45171000[mg/l]	0.00117063[mg/l]
Conc RSD	*22.41873497*	*1.22535814*	*81.22338354*	*1.98145898*	*57.80102060*	*1.34388088*	*22.80337448*
Conc SD	*0.00014181[mg/l]*	*4.66732740[mg/l]*	*0.00128662[mg/l]*	*0.00014626[mg/l]*	*0.00018627[mg/l]*	*5.42191040[mg/l]*	*0.00026694[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7812.18090	54252.25700	58058809	449.74263000	549963	15728.51000	15514.78200
Int RSD	*0.90867959*	*0.58558006*	*0.49763801*	*11.56751251*	*1.03521393*	*0.85933614*	*0.17668665*
Int SD	*70.98769300*	*317.69040000*	*288923*	*52.02403500*	*5693.29740*	*135.16077000*	*27.41254900*
RelInt Mean	-0.00026713	0.00030384	43.66922300	0.00084572	1.31229280	0.00216597	-0.00038644
RelInt RSD	*12.46590687*	*1.21917602*	*0.84556297*	*18.37480190*	*0.16291302*	*4.89627662*	*14.00594794*
RelInt SD	*0.00003330*	*0.00000370*	*0.36925078*	*0.00015540*	*0.00213790*	*0.00010605*	*0.00005413*
Conc Mean	<-0.00200251[mg/l]	0.00120881[mg/l]	>142.45276000[mg/l]	<0.09468147[mg/l]	>412.87060000[mg/l]	0.00099640[mg/l]	<-0.00278935[mg/l]
Conc RSD	*11.20323342*	*8.60571775*	*0.84557337*	*165.52639607*	*0.16293710*	*6.77120792*	*13.87662850*
Conc SD	*0.00022435[mg/l]*	*0.00010403[mg/l]*	*1.20454260[mg/l]*	*0.15672283[mg/l]*	*0.67271937[mg/l]*	*0.00006747[mg/l]*	*0.00038707[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	15251.77000	8759.63340	20141.33800	18208.06000	12741.13700	10326.13100	10301.72900
Int RSD	*5.28816767*	*0.36762040*	*0.52767542*	*0.34240692*	*0.64883581*	*0.34392107*	*6.84364955*
Int SD	*806.53917000*	*32.20219900*	*106.28089000*	*62.34565700*	*82.66906000*	*35.51374000*	*705.01423000*
RelInt Mean	0.01941001	0.00000258	0.00280267	0.00010899	-0.00023164	-0.00017746	0.02156427
RelInt RSD	*4.35579353*	*1288.83040*	*2.28833246*	*39.42232525*	*38.92252871*	*1.68753152*	*8.23599986*
RelInt SD	*0.00084546*	*0.00003324*	*0.00006413*	*0.00004296*	*0.00009016*	*0.00000299*	*0.00177603*
Conc Mean	<0.04421472[mg/l]	<-0.00129564[mg/l]	<0.00208352[mg/l]	0.00506478[mg/l]	<-0.01021793[mg/l]	<-0.00400333[mg/l]	0.01747419[mg/l]
Conc RSD	*94.72034379*	*20.94617525*	*53.42060406*	*35.27158337*	*39.04699619*	*1.32330829*	*8.19031430*
Conc SD	*0.04188033[mg/l]*	*0.00027139[mg/l]*	*0.00111303[mg/l]*	*0.00178643[mg/l]*	*0.00398980[mg/l]*	*0.00005298[mg/l]*	*0.00143119[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	66296.73900	10806.30100	17333.78400	1340538	25458578	417859	18064.65700
Int RSD	*0.62514401*	*0.35827202*	*0.34717839*	*0.36816636*	*0.99772387*	*1.10301951*	*1.04536521*
Int SD	*414.45009000*	*38.71595300*	*60.17915200*	*4935.40810*	*254006*	*4609.06970*	*188.84164000*
RelInt Mean	0.00022859	-0.00006325	0.00007143	---	---	---	0.00081038
RelInt RSD	*3.32731744*	*58.56636535*	*9.54928362*	---	---	---	*16.93936224*
RelInt SD	*0.00000761*	*0.00003704*	*0.00000682*	---	---	---	*0.00013727*
Conc Mean	0.00219924[mg/l]	<0.00038996[mg/l]	<-0.00214091[mg/l]	1329197	25371237	416090	0.00177405[mg/l]
Conc RSD	*3.05070143*	*629.64550483*	*53.11842628*	---	---	---	*23.80036073*
Conc SD	*0.00006709[mg/l]*	*0.00245538[mg/l]*	*0.00113722[mg/l]*	*4941.32480*	*253670*	*4615.68620*	*0.00042223[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	187.69566000	5480.23350	11138.81400	9653.41250	9011.71630	12415.83400	
Int RSD	*40.98870480*	*9.53588930*	*0.53089690*	*0.92525533*	*0.69673904*	*1.05796767*	
Int SD	*76.93402000*	*522.58900000*	*59.13561800*	*89.31871400*	*62.78814600*	*131.35551000*	
RelInt Mean	-0.00028087	0.00060223	0.00168131	0.00011217	-0.00020626	0.00044012	
RelInt RSD	*37.45227218*	*14.90586792*	*5.53650055*	*83.91698450*	*30.46666582*	*22.51080802*	
RelInt SD	*0.00010519*	*0.00008977*	*0.00009309*	*0.00009413*	*0.00006284*	*0.00009908*	
Conc Mean	<0.00010707[mg/l]	<0.00095122[mg/l]	0.01017977[mg/l]	<0.00003329[mg/l]	<-0.00115316[mg/l]	<-0.00381401[mg/l]	
Conc RSD	*284.41660182*	*104.48959293*	*13.34488173*	*6590.91515*	*19.28953826*	*130.00784974*	
Conc SD	*0.00030453[mg/l]*	*0.00099393[mg/l]*	*0.00135848[mg/l]*	*0.00219380[mg/l]*	*0.00022244[mg/l]*	*0.00495852[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 467089 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482320208015 File : met06_master Time : 10-AUG-2022 09:35
Cal : 482320208001 Caldate : 10-AUG-2022
Standards: S17065, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.000	mg/l	0	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29316289	25427618	-13.26
Yttrium	A	1489287	1339614	-10.05
Yttrium	R	477115	418595	-12.27

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSAB,S17065			Sample Type: Control Sample
Measure Date: 2022-08-10 09:35:06	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	774285	1063387	10644.61800	10752.93600	222709	3145600	122762
Int RSD	*0.53869646*	*1.19173475*	*0.69069522*	*0.95815003*	*0.81577255*	*1.06145566*	*0.49314533*
Int SD	*4171.04450*	*12672.75600*	*73.52186800*	*103.02926000*	*1816.79530*	*33389.14500*	*605.39507000*
RelInt Mean	0.02837562	2.51741740	-0.00010311	0.00161082	0.16106373	7.54148220	0.08605991
RelInt RSD	*0.35161848*	*2.00653626*	*58.73773349*	*4.50812367*	*0.49614528*	*1.77940565*	*0.48449759*
RelInt SD	*0.00009977*	*0.05051289*	*0.00006057*	*0.00007262*	*0.00079911*	*0.13419356*	*0.00041696*
Conc Mean	0.98640827[mg/l]	>377.75055000[mg/l]	<-0.00235382[mg/l]	0.00787540[mg/l]	0.50349587[mg/l]	>400.12024000[mg/l]	0.48873355[mg/l]
Conc RSD	*0.35213586*	*2.00730739*	*112.61419107*	*10.97721192*	*0.49649714*	*1.77990953*	*0.48444581*
Conc SD	*0.00347350[mg/l]*	*7.58261470[mg/l]*	*0.00265073[mg/l]*	*0.00086450[mg/l]*	*0.00249984[mg/l]*	*7.12177830[mg/l]*	*0.00236765[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	105818	530584	57777651	340.99323000	549922	1071585	15482.40200
Int RSD	*0.33507886*	*0.77512331*	*0.20862833*	*18.50559438*	*0.49624734*	*0.51785134*	*0.76277195*
Int SD	*354.57475000*	*4112.67880*	*120541*	*63.10282400*	*2728.97230*	*5549.21940*	*118.09542000*
RelInt Mean	0.07336280	0.01904799	43.48816200	0.00059486	1.30966850	0.79635072	-0.00035551
RelInt RSD	*0.13568102*	*0.62991902*	*0.61225138*	*25.02902209*	*0.42175466*	*0.52188047*	*56.35088477*
RelInt SD	*0.00009954*	*0.00011999*	*0.26625687*	*0.00014889*	*0.00552359*	*0.00415600*	*0.00020033*
Conc Mean	0.49404759[mg/l]	0.52759558[mg/l]	>141.86212000[mg/l]	<-0.15831469[mg/l]	>412.04483000[mg/l]	0.50624395[mg/l]	<-0.00256814[mg/l]
Conc RSD	*0.13573670*	*0.63866375*	*0.61225620*	*94.84632791*	*0.42181505*	*0.52227413*	*55.78577722*
Conc SD	*0.00067060[mg/l]*	*0.00336956[mg/l]*	*0.86855963[mg/l]*	*0.15015567[mg/l]*	*1.73806710[mg/l]*	*0.00264398[mg/l]*	*0.00143266[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	14406.00600	165733	68574.77300	18240.92300	12706.34900	10396.44500	10366.43400
Int RSD	*7.53328993*	*0.46350074*	*0.28006827*	*0.60215319*	*1.31743926*	*0.88450580*	*11.08131687*
Int SD	*1085.24620*	*768.17225000*	*192.05618000*	*109.83830000*	*167.39843000*	*91.95715900*	*1148.73740*
RelInt Mean	0.01741320	0.11800712	0.03898206	0.00018793	-0.00027193	-0.00006419	0.02193183
RelInt RSD	*4.10550998*	*0.36038922*	*0.23234515*	*44.73268065*	*28.80087596*	*108.43286501*	*12.37693960*
RelInt SD	*0.00071490*	*0.00042528*	*0.00009057*	*0.00008407*	*0.00007832*	*0.00006961*	*0.00271449*
Conc Mean	<-0.05469844[mg/l]	0.96219901[mg/l]	1.00000380[mg/l]	0.00543782[mg/l]	<-0.01200057[mg/l]	<-0.00199964[mg/l]	0.01777039[mg/l]
Conc RSD	*64.74222300*	*0.36088468*	*0.36418008*	*64.27474941*	*28.87929740*	*61.57888375*	*12.30942704*
Conc SD	*0.03541299[mg/l]*	*0.00347243[mg/l]*	*0.00364181[mg/l]*	*0.00349514[mg/l]*	*0.00346568[mg/l]*	*0.00123136[mg/l]*	*0.00218743[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	66731.45900	10859.35200	94300.56200	1339614	25427618	418595	421026
Int RSD	*1.02739449*	*0.11555280*	*0.72287242*	*0.44720762*	*0.15762994*	*0.81519536*	*0.27114810*
Int SD	*685.59533000*	*12.54828500*	*681.67275000*	*5990.85550*	*40081.54000*	*3412.37070*	*1141.60300*
RelInt Mean	0.00024315	0.00001163	0.00310904	---	---	---	0.30419104
RelInt RSD	*0.52589268*	*40.96477832*	*0.46122239*	---	---	---	*0.17226116*
RelInt SD	*0.00000128*	*0.00000477*	*0.00001434*	---	---	---	*0.00052400*
Conc Mean	0.00232764[mg/l]	0.00535431[mg/l]	0.50435881[mg/l]	1328262	25340658	416883	0.93442013[mg/l]
Conc RSD	*0.48458427*	*5.84966814*	*0.47408691*	---	---	---	*0.17242377*
Conc SD	*0.00001128[mg/l]*	*0.00031321[mg/l]*	*0.00239110[mg/l]*	*6003.46130*	*39385.74800*	*3579.30480*	*0.00161116[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	69056.37100	5408.84680	11299.25700	9861.04840	421878	12369.61200	
Int RSD	*7.04187438*	*13.37609229*	*1.25896198*	*1.75372651*	*0.30199084*	*0.34321702*	
Int SD	*4862.86290*	*723.49234000*	*142.25335000*	*172.93582000*	*1274.03350*	*42.45461400*	
RelInt Mean	0.16497524	0.00037581	0.00170807	0.00033780	0.31020591	0.00046982	
RelInt RSD	*7.97969259*	*80.43360682*	*4.75432979*	*33.23059554*	*0.34994337*	*11.76030584*	
RelInt SD	*0.01316452*	*0.00030227*	*0.00008121*	*0.00011225*	*0.00108555*	*0.00005525*	
Conc Mean	0.47852273[mg/l]	<-0.00155583[mg/l]	0.01056741[mg/l]	0.00529149[mg/l]	1.07456560[mg/l]	<-0.00232801[mg/l]	
Conc RSD	*7.96434706*	*215.11569649*	*11.57678262*	*49.43909034*	*0.34919163*	*118.78085922*	
Conc SD	*0.03811121[mg/l]*	*0.00334682[mg/l]*	*0.00122337[mg/l]*	*0.00261607[mg/l]*	*0.00375229[mg/l]*	*0.00276523[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 467089 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482320208026 File : met06_master Time : 10-AUG-2022 10:10
Cal : 482320208001 Caldate : 10-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0346	0.0387	1.000	1.067	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29316289	26073395	-11.06
Yttrium	A	1489287	1400746	-5.95
Yttrium	R	477115	418228	-12.34

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17024 | Sample Type: Control Sample

Measure Date: 2022-08-10 10:10:59 | Recalculation Date: | State: Check failed | Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	424715	7681.52250	39470.10300	134129	474158	861326	272063
Int RSD	*0.64112390*	*6.72186874*	*0.59391568*	*0.52279471*	*0.25168304*	*0.34189769*	*0.39389562*
Int SD	*2722.95040*	*516.34186000*	*234.41913000*	*701.22089000*	*1193.37550*	*2944.85500*	*1071.64340*
RelInt Mean	0.01419959	0.00801127	0.02525125	0.09154672	0.33516371	2.06655400	0.19004637
RelInt RSD	*0.81084843*	*3.48272194*	*0.43589929*	*1.01876597*	*0.86481615*	*0.15128756*	*0.70221920*
RelInt SD	*0.00011514*	*0.00027901*	*0.00011007*	*0.00093265*	*0.00289855*	*0.00312644*	*0.00133454*
Conc Mean	0.49288743[mg/l]	1.05739690[mg/l]	1.10703310[mg/l]	1.07854110[mg/l]	1.04405450[mg/l]	109.56062000[mg/l]	1.07738260[mg/l]
Conc RSD	*0.81324058*	*3.96094276*	*0.43456562*	*1.02944153*	*0.86488250*	*0.15144522*	*0.70335462*
Conc SD	*0.00400836[mg/l]*	*0.04188289[mg/l]*	*0.00481079[mg/l]*	*0.01110295[mg/l]*	*0.00902984[mg/l]*	*0.16592432[mg/l]*	*0.00757782[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	220293	1000463	466124	47521.38600	139632	2300163	217954
Int RSD	*0.26403865*	*1.19668885*	*0.54497363*	*8.16096841*	*0.71999015*	*1.06058650*	*0.14262349*
Int SD	*581.65748000*	*11972.42800*	*2540.25370*	*3878.20530*	*1005.33550*	*24395.21500*	*310.85316000*
RelInt Mean	0.15328696	0.03660505	0.32828215	0.11359313	0.32894810	1.64694300	0.15291610
RelInt RSD	*0.96729102*	*1.27656964*	*1.01385997*	*8.11514350*	*0.96225702*	*0.03945589*	*0.92012378*
RelInt SD	*0.00148273*	*0.00046729*	*0.00332832*	*0.00921825*	*0.00316533*	*0.00064982*	*0.00140702*
Conc Mean	1.03250240[mg/l]	1.02064570[mg/l]	1.06954440[mg/l]	113.80286000[mg/l]	103.44776000[mg/l]	1.04737710[mg/l]	1.09353380[mg/l]
Conc RSD	*0.96748202*	*1.28572942*	*1.01513953*	*8.16921341*	*0.96281450*	*0.03946926*	*0.92014934*
Conc SD	*0.00998928[mg/l]*	*0.01312274[mg/l]*	*0.01085737[mg/l]*	*9.29679850[mg/l]*	*0.99601003[mg/l]*	*0.00041339[mg/l]*	*0.01006214[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	920391	184004	62362.02200	41862.54800	36133.47800	416657	522475
Int RSD	*0.14621271*	*0.58795693*	*0.47496292*	*0.40926011*	*0.14849001*	*0.32368039*	*0.24676831*
Int SD	*1345.72930*	*1081.86680*	*296.19648000*	*171.32671000*	*53.65460400*	*1348.63780*	*1289.30210*
RelInt Mean	2.18648670	0.12638223	0.03866805	0.02598596	0.02269529	0.29662314	1.25081480
RelInt RSD	*0.09867619*	*0.97839704*	*0.86578251*	*1.03614164*	*0.98239635*	*0.85650867*	*0.01550950*
RelInt SD	*0.00215754*	*0.00123652*	*0.00033478*	*0.00026925*	*0.00022296*	*0.00254060*	*0.00019400*
Conc Mean	107.39155000[mg/l]	1.03058090[mg/l]	1.06656610[mg/l]	1.07507230[mg/l]	1.00434420[mg/l]	5.24647040[mg/l]	1.00804810[mg/l]
Conc RSD	*0.09951740*	*0.97964837*	*0.86593964*	*1.03611571*	*0.98236263*	*0.85664966*	*0.01551009*
Conc SD	*0.10687328[mg/l]*	*0.01009607[mg/l]*	*0.00923582[mg/l]*	*0.01113899[mg/l]*	*0.00986630[mg/l]*	*0.04494387[mg/l]*	*0.00015635[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3211848	26623.56600	177866	1400746	26073395	418228	473431
Int RSD	*0.56280164*	*0.54079822*	*1.14463570*	*1.03849143*	*0.85131499*	*0.23349014*	*0.37484675*
Int SD	*18076.33500*	*143.97977000*	*2035.92220*	*14546.62300*	*221967*	*976.52053000*	*1774.63970*
RelInt Mean	0.12105008	0.01610504	0.00631466	---	---	---	0.33649296
RelInt RSD	*1.11339637*	*0.89291274*	*1.43365103*	---	---	---	*0.76050102*
RelInt SD	*0.00134777*	*0.00014380*	*0.00009053*	---	---	---	*0.00255903*
Conc Mean	1.06795500[mg/l]	1.06690210[mg/l]	1.03844230[mg/l]	1390781	25994290	416502	1.03347680[mg/l]
Conc RSD	*1.11320411*	*0.88971164*	*1.45376204*	---	---	---	*0.76092249*
Conc SD	*0.01188852[mg/l]*	*0.00949235[mg/l]*	*0.01509648[mg/l]*	*14503.51100*	*222202*	*923.66383000*	*0.00786396[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	144679	44337.20000	543967	346056	444662	6839.46190	
Int RSD	*0.30650854*	*6.73154687*	*0.53237713*	*0.20232943*	*0.43119204*	*0.69964196*	
Int SD	*443.45411000*	*2984.57940*	*2895.95750*	*700.17337000*	*1917.34580*	*47.85174500*	
RelInt Mean	0.34631625	0.09179877	0.38566108	0.24483419	0.31396680	0.00020435	
RelInt RSD	*0.19692995*	*5.92114544*	*1.09494552*	*0.98460930*	*1.04528667*	*23.50470555*	
RelInt SD	*0.00068200*	*0.00543554*	*0.00422278*	*0.00241066*	*0.00328185*	*0.00004803*	
Conc Mean	1.00350410[mg/l]	1.01069250[mg/l]	5.61974550[mg/l]	5.70333130[mg/l]	1.08356270[mg/l]	<-0.01561400[mg/l]	
Conc RSD	*0.19675216*	*5.95463793*	*1.09895023*	*0.98505452*	*1.04838391*	*15.39575647*	
Conc SD	*0.00197442[mg/l]*	*0.06018308[mg/l]*	*0.06175821[mg/l]*	*0.05618092[mg/l]*	*0.01135990[mg/l]*	*0.00240389[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 467089 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482320208027 File : met06_master Time : 10-AUG-2022 10:14
Cal : 482320208001 Caldate : 10-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29316289	27623138	-5.78
Yttrium	A	1489287	1484981	-0.29
Yttrium	R	477115	440222	-7.73

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-08-10 10:14:13	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	55579.40200	1927.90500	3915.15360	7986.61970	7602.75110	1183.29550	7073.85770
Int RSD	*0.20710145*	*11.47122654*	*1.02938477*	*0.69975732*	*0.55668895*	*10.12658630*	*0.49592927*
Int SD	*115.10575000*	*221.15435000*	*40.30199500*	*55.88695600*	*42.32367500*	*119.82744000*	*35.08133100*
RelInt Mean	0.00004456	0.00097012	-0.00005227	0.00118649	0.00013342	0.00206257	-0.00000202
RelInt RSD	*21.08900785*	*36.89929287*	*56.62373083*	*2.11770060*	*31.72438332*	*13.65263589*	*1700.22602*
RelInt SD	*0.00000940*	*0.00035797*	*0.00002960*	*0.00002513*	*0.00004233*	*0.00028160*	*0.00003434*
Conc Mean	<0.00009783[mg/l]	<0.00043283[mg/l]	<0.00030804[mg/l]	0.00282380[mg/l]	<0.00009358[mg/l]	<-0.00388783[mg/l]	<0.00003547[mg/l]
Conc RSD	*334.45122715*	*12415.03618*	*420.64688455*	*10.59291743*	*136.33384048*	*384.39352248*	*544.96955786*
Conc SD	*0.00032718[mg/l]*	*0.05373558[mg/l]*	*0.00129577[mg/l]*	*0.00029912[mg/l]*	*0.00012759[mg/l]*	*0.01494455[mg/l]*	*0.00019331[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6315.16480	54127.88500	10251.87300	556.25025000	2158.40420	9110.49170	5553.76980
Int RSD	*0.63340057*	*1.30286971*	*1.83856501*	*24.59012288*	*5.67110553*	*0.62139106*	*4.95939713*
Int SD	*40.00029000*	*705.21582000*	*188.48735000*	*136.78262000*	*122.40538000*	*56.61178100*	*275.43350000*
RelInt Mean	0.00005365	0.00030365	0.00094211	0.00076088	0.00010740	0.00030669	0.00047128
RelInt RSD	*49.74161016*	*7.12718097*	*14.98000220*	*30.13010061*	*143.91495703*	*15.88661100*	*38.99065192*
RelInt SD	*0.00002669*	*0.00002164*	*0.00014113*	*0.00022925*	*0.00015456*	*0.00004872*	*0.00018376*
Conc Mean	<0.00015860[mg/l]	0.00120356[mg/l]	0.00172292[mg/l]	<0.00912166[mg/l]	<-0.02646225[mg/l]	<-0.00018644[mg/l]	0.00334456[mg/l]
Conc RSD	*113.35615581*	*50.49644155*	*26.72055998*	*2534.70373*	*183.78750985*	*16.62510204*	*39.29089455*
Conc SD	*0.00017978[mg/l]*	*0.00060775[mg/l]*	*0.00046037[mg/l]*	*0.23120714[mg/l]*	*0.04863431[mg/l]*	*0.00003100[mg/l]*	*0.00131411[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	19608.99500	7778.99410	8004.83560	5566.50010	4351.31540	4305.92160	1354.48460
Int RSD	*3.64167715*	*0.30772913*	*0.80181436*	*0.71474338*	*1.00007602*	*4.05640943*	*11.43640245*
Int SD	*714.09629000*	*23.93823100*	*64.18392100*	*39.78619100*	*43.51646200*	*174.66581000*	*154.90431000*
RelInt Mean	0.02612088	0.00015174	-0.00006201	0.00015110	0.00002889	0.00033151	-0.00004407
RelInt RSD	*1.20671416*	*11.42074776*	*48.60548618*	*19.65215419*	*155.52520364*	*38.14266178*	*249.60199076*
RelInt SD	*0.00031520*	*0.00001733*	*0.00003014*	*0.00002969*	*0.00004493*	*0.00012645*	*0.00010999*
Conc Mean	0.37664127[mg/l]	<-0.00007774[mg/l]	<-0.00082498[mg/l]	0.00680354[mg/l]	<0.00131113[mg/l]	0.00500037[mg/l]	<0.00006142[mg/l]
Conc RSD	*4.14554279*	*182.02303503*	*102.00556052*	*18.13626519*	*151.64935514*	*44.73359135*	*144.30510494*
Conc SD	*0.01561383[mg/l]*	*0.00014150[mg/l]*	*0.00084153[mg/l]*	*0.00123391[mg/l]*	*0.00198832[mg/l]*	*0.00223685[mg/l]*	*0.00008864[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	70248.09100	3891.80110	15387.95900	1484981	27623138	440222	5476.52450
Int RSD	*4.98726464*	*1.73108148*	*1.72095279*	*0.46644577*	*0.39540667*	*0.92623896*	*0.78795263*
Int SD	*3503.45820*	*67.37024800*	*264.81951000*	*6926.63020*	*109224*	*4077.50980*	*43.15241900*
RelInt Mean	0.00038880	0.00001757	0.00009663	---	---	---	0.00034482
RelInt RSD	*32.13449922*	*239.44490996*	*8.54799515*	---	---	---	*7.12297551*
RelInt SD	*0.00012494*	*0.00004206*	*0.00000826*	---	---	---	*0.00002456*
Conc Mean	0.00361238[mg/l]	0.00572869[mg/l]	<0.00205910[mg/l]	1475399	27546928	438538	0.00034134[mg/l]
Conc RSD	*30.50806131*	*48.58145534*	*66.86578111*	---	---	---	*22.15274129*
Conc SD	*0.00110207[mg/l]*	*0.00278308[mg/l]*	*0.00137683[mg/l]*	*6957.89040*	*108845*	*3958.08690*	*0.00007562[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	129.80541000	6362.57360	8257.63760	5202.28390	7269.33860	6273.93790	
Int RSD	*60.45995001*	*10.55734695*	*0.29242383*	*1.89101354*	*0.42667498*	*1.01353711*	
Int SD	*78.48028600*	*671.71897000*	*24.14730000*	*98.37589300*	*31.01644900*	*63.58868900*	
RelInt Mean	-0.00041354	0.00071304	0.00111023	0.00016080	0.00014626	0.00005382	
RelInt RSD	*52.06522459*	*14.07051286*	*0.96450506*	*53.16222530*	*15.66600139*	*67.08166250*	
RelInt SD	*0.00021531*	*0.00010033*	*0.00001071*	*0.00008549*	*0.00002291*	*0.00003610*	
Conc Mean	<-0.00027701[mg/l]	<0.00217811[mg/l]	<0.00166204[mg/l]	<0.00116658[mg/l]	<0.00006158[mg/l]	<-0.02314795[mg/l]	
Conc RSD	*225.01771503*	*51.00081387*	*11.13160128*	*170.77915916*	*136.50235403*	*7.80512956*	
Conc SD	*0.00062332[mg/l]*	*0.00111086[mg/l]*	*0.00018501[mg/l]*	*0.00199228[mg/l]*	*0.00008405[mg/l]*	*0.00180673[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 467089 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482320208038 File : met06_master Time : 10-AUG-2022 10:50
Cal : 482320208001 Caldate : 10-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0346	0.0390	1.000	1.076	mg/l	8	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29316289	26434501	-9.83
Yttrium	A	1489287	1419711	-4.67
Yttrium	R	477115	422446	-11.46

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17024			Sample Type: Control Sample
Measure Date: 2022-08-10 10:50:07	Recalculation Date:	State: Check failed	Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	432256	7631.70910	40541.58000	135417	481887	869913	277241
Int RSD	*0.84712095*	*5.69416908*	*0.25788595*	*0.67443479*	*0.28871876*	*0.64022560*	*0.21665648*
Int SD	*3661.73230*	*434.56242000*	*104.55104000*	*913.29996000*	*1391.29780*	*5569.40760*	*600.66083000*
RelInt Mean	0.01423120	0.00791386	0.02559325	0.09114346	0.33608091	2.06639800	0.19105236
RelInt RSD	*0.84819734*	*0.95384292*	*0.21367464*	*1.04118698*	*0.58939935*	*0.68513737*	*0.51962937*
RelInt SD	*0.00012071*	*0.00007549*	*0.00005469*	*0.00094897*	*0.00198086*	*0.01415767*	*0.00099276*
Conc Mean	0.49398787[mg/l]	1.04277440[mg/l]	1.12199940[mg/l]	1.07374030[mg/l]	1.04691450[mg/l]	109.55234000[mg/l]	1.08309460[mg/l]
Conc RSD	*0.85069431*	*1.08665863*	*0.21316609*	*1.05214911*	*0.58916828*	*0.68584603*	*0.51743349*
Conc SD	*0.00420233[mg/l]*	*0.01133140[mg/l]*	*0.00239172[mg/l]*	*0.01129735[mg/l]*	*0.00616809[mg/l]*	*0.75136038[mg/l]*	*0.00560429[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	224250	1010904	475488	47739.36600	140898	2333547	221404
Int RSD	*0.13697721*	*1.47643598*	*0.29312274*	*8.34496797*	*1.24556887*	*0.60062578*	*0.34322371*
Int SD	*307.17155000*	*14925.34300*	*1393.76490*	*3983.83480*	*1754.97590*	*14015.88600*	*759.90935000*
RelInt Mean	0.15398809	0.03644719	0.33039414	0.11307365	0.32857751	1.64847370	0.15325624
RelInt RSD	*0.44063162*	*1.45219149*	*0.34609122*	*9.51454119*	*0.15935301*	*0.23715196*	*0.70781014*
RelInt SD	*0.00067852*	*0.00052928*	*0.00114347*	*0.01075844*	*0.00052360*	*0.00390939*	*0.00108476*
Conc Mean	1.03722600[mg/l]	1.01621270[mg/l]	1.07643400[mg/l]	113.27896000[mg/l]	103.33115000[mg/l]	1.04835080[mg/l]	1.09596620[mg/l]
Conc RSD	*0.44071424*	*1.46265846*	*0.34652281*	*9.57822618*	*0.15944408*	*0.23724157*	*0.70782322*
Conc SD	*0.00457120[mg/l]*	*0.01486372[mg/l]*	*0.00373009[mg/l]*	*10.85011500[mg/l]*	*0.16475540[mg/l]*	*0.00248712[mg/l]*	*0.00775750[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	928199	187385	63731.12000	42337.65200	36950.79500	425358	527025
Int RSD	*0.85152065*	*0.29480244*	*0.39501962*	*0.18120426*	*0.27140317*	*0.24957058*	*0.86887285*
Int SD	*7903.81020*	*552.41522000*	*251.75043000*	*76.71763100*	*100.28563000*	*1061.56760*	*4579.18070*
RelInt Mean	2.18314690	0.12695692	0.03900030	0.02589635	0.02291633	0.29874187	1.24932600
RelInt RSD	*0.36513743*	*0.45961387*	*0.76118071*	*0.55376930*	*0.68645352*	*0.62734246*	*0.42467138*
RelInt SD	*0.00797149*	*0.00058351*	*0.00029686*	*0.00014341*	*0.00015731*	*0.00187413*	*0.00530553*
Conc Mean	107.22611000[mg/l]	1.03527320[mg/l]	1.07572780[mg/l]	1.07131820[mg/l]	1.01412560[mg/l]	5.28395110[mg/l]	1.00684850[mg/l]
Conc RSD	*0.36826455*	*0.46019872*	*0.76050184*	*0.55442489*	*0.68643209*	*0.62744481*	*0.42462648*
Conc SD	*0.39487575[mg/l]*	*0.00476431[mg/l]*	*0.00818093[mg/l]*	*0.00593965[mg/l]*	*0.00696128[mg/l]*	*0.03315388[mg/l]*	*0.00427535[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3258176	26995.83400	181175	1419711	26434501	422446	486789
Int RSD	*1.86165901*	*0.26106655*	*1.60637923*	*0.39254026*	*0.09103118*	*1.25006627*	*0.24678895*
Int SD	*60656.12700*	*70.47709200*	*2910.35130*	*5572.93720*	*24063.63700*	*5280.85560*	*1201.34040*
RelInt Mean	0.12108016	0.01606674	0.00633603	---	---	---	0.34138312
RelInt RSD	*1.82267235*	*0.60055879*	*1.60645583*	---	---	---	*0.41312989*
RelInt SD	*0.00220689*	*0.00009649*	*0.00010179*	---	---	---	*0.00141036*
Conc Mean	1.06822030[mg/l]	1.06435520[mg/l]	1.04200530[mg/l]	1409597	26354034	420705	1.04851170[mg/l]
Conc RSD	*1.82235977*	*0.59565106*	*1.62851427*	---	---	---	*0.41340831*
Conc SD	*0.01946682[mg/l]*	*0.00633984[mg/l]*	*0.01696921[mg/l]*	*5642.81190*	*24338.06100*	*5405.86090*	*0.00433463[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	145565	44503.13100	552550	353213	451347	7410.66470	
Int RSD	*0.32374167*	*6.96561799*	*0.40317577*	*0.34799629*	*0.11535266*	*1.19100886*	
Int SD	*471.25356000*	*3099.91810*	*2227.74880*	*1229.16720*	*520.64055000*	*88.26167300*	
RelInt Mean	0.34500504	0.09115896	0.38645226	0.24654601	0.31440763	0.00049617	
RelInt RSD	*1.08654242*	*7.52403047*	*0.72121659*	*0.62028828*	*0.41367104*	*13.68740083*	
RelInt SD	*0.00374863*	*0.00685883*	*0.00278716*	*0.00152930*	*0.00130061*	*0.00006791*	
Conc Mean	0.99970814[mg/l]	1.00360830[mg/l]	5.63130000[mg/l]	5.74322570[mg/l]	1.08503590[mg/l]	<-0.00100894[mg/l]	
Conc RSD	*1.08554073*	*7.56688810*	*0.72321872*	*0.62056567*	*0.41493191*	*336.87991477*	
Conc SD	*0.01085224[mg/l]*	*0.07594192[mg/l]*	*0.04072662[mg/l]*	*0.03564049[mg/l]*	*0.00450216[mg/l]*	*0.00339890[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 467089 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482320208039 File : met06_master Time : 10-AUG-2022 10:53
Cal : 482320208001 Caldate : 10-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29316289	28002302	-4.48
Yttrium	A	1489287	1509705	1.37
Yttrium	R	477115	440288	-7.72

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-08-10 10:53:22	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	56602.06700	1942.46550	4017.59180	7769.39000	7760.45620	1316.70550	7256.32850
Int RSD	*0.82693084*	*11.22811396*	*0.62745394*	*0.61669391*	*0.18390625*	*7.59121413*	*0.43974152*
Int SD	*468.05995000*	*218.10224000*	*25.20853800*	*47.91335500*	*14.27196400*	*99.95393400*	*31.90908900*
RelInt Mean	0.00003106	0.00085959	-0.00005854	0.00093467	0.00013589	0.00244853	0.00002112
RelInt RSD	*24.50442932*	*5.93825919*	*35.19531661*	*5.11388347*	*1.90001492*	*12.90082909*	*19.49415152*
RelInt SD	*0.00000761*	*0.00005104*	*0.00002060*	*0.00004780*	*0.00000258*	*0.00031588*	*0.00000412*
Conc Mean	<-0.00037240[mg/l]	<-0.01616035[mg/l]	<0.00003362[mg/l]	<-0.00017402[mg/l]	<0.00010171[mg/l]	<0.01659512[mg/l]	<0.00016713[mg/l]
Conc RSD	*71.14365125*	*47.41484032*	*2682.41442*	*326.99114576*	*4.15243454*	*101.01812479*	*15.05436128*
Conc SD	*0.00026494[mg/l]*	*0.00766240[mg/l]*	*0.00090193[mg/l]*	*0.00056902[mg/l]*	*0.00000422[mg/l]*	*0.01676408[mg/l]*	*0.00002516[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6434.17480	55462.84400	11677.97500	665.20853000	2197.76560	9272.51950	5654.19340
Int RSD	*0.16506916*	*2.58179115*	*1.72205224*	*31.72001868*	*9.96708384*	*0.65492627*	*4.36584147*
Int SD	*10.62083800*	*1431.93480*	*201.10083000*	*211.00427000*	*219.05314000*	*60.72816600*	*246.85312000*
RelInt Mean	0.00004687	0.00032119	0.00177348	0.00107239	0.00006807	0.00031118	0.00045579
RelInt RSD	*12.12424219*	*10.76019691*	*9.16068860*	*30.11705707*	*211.73621150*	*16.87170623*	*36.32728124*
RelInt SD	*0.00000568*	*0.00003456*	*0.00016246*	*0.00032297*	*0.00014413*	*0.00005250*	*0.00016558*
Conc Mean	<0.00011294[mg/l]	0.00169613[mg/l]	0.00443497[mg/l]	<0.32328866[mg/l]	<-0.03883663[mg/l]	<-0.00018358[mg/l]	0.00323380[mg/l]
Conc RSD	*33.89936198*	*57.22168980*	*11.94989259*	*100.75358041*	*116.77803276*	*18.19399086*	*36.61659418*
Conc SD	*0.00003828[mg/l]*	*0.00097055[mg/l]*	*0.00052997[mg/l]*	*0.32572490[mg/l]*	*0.04535265[mg/l]*	*0.00003340[mg/l]*	*0.00118411[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	22240.62800	7880.74730	8138.52310	5563.80390	4409.16190	4496.66960	1344.14300
Int RSD	*5.26906165*	*0.28845320*	*0.55792187*	*0.62102097*	*0.31623461*	*5.25796981*	*10.54082118*
Int SD	*1171.87240*	*22.73226800*	*45.40660000*	*34.55238900*	*13.94329600*	*236.43353000*	*141.68371000*
RelInt Mean	0.03186508	0.00012626	-0.00006639	0.00008132	0.00002817	0.00039068	-0.00008074
RelInt RSD	*3.52774127*	*17.92737318*	*25.35875917*	*37.12435174*	*64.90842630*	*39.86089249*	*55.52630191*
RelInt SD	*0.00112412*	*0.00002264*	*0.00001684*	*0.00003019*	*0.00001829*	*0.00015573*	*0.00004483*
Conc Mean	0.66118333[mg/l]	<-0.00028580[mg/l]	<-0.00094238[mg/l]	0.00390181[mg/l]	<0.00127944[mg/l]	0.00604726[mg/l]	<0.00003187[mg/l]
Conc RSD	*8.42183377*	*64.66494892*	*49.19905764*	*32.16870845*	*63.25077133*	*45.55631941*	*113.34577952*
Conc SD	*0.05568376[mg/l]*	*0.00018481[mg/l]*	*0.00046364[mg/l]*	*0.00125516[mg/l]*	*0.00080925[mg/l]*	*0.00275491[mg/l]*	*0.00003613[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	71202.67900	3962.39310	15316.69800	1509705	28002302	440288	5641.28860
Int RSD	*5.72626235*	*1.91062447*	*2.59000119*	*0.76780033*	*0.75487990*	*0.70785357*	*0.95335162*
Int SD	*4077.25220*	*75.70645200*	*396.70266000*	*11591.52300*	*211384*	*3116.59150*	*53.78131600*
RelInt Mean	0.00037222	0.00001087	0.00008554	---	---	---	0.00037501
RelInt RSD	*35.96751143*	*643.04387779*	*11.08224835*	---	---	---	*12.22544885*
RelInt SD	*0.00013388*	*0.00006987*	*0.00000948*	---	---	---	*0.00004585*
Conc Mean	0.00346616[mg/l]	<0.00528507[mg/l]	<0.00020911[mg/l]	1499968	27924781	438533	0.00043421[mg/l]
Conc RSD	*34.07027525*	*87.55231054*	*755.66099240*	---	---	---	*32.46383192*
Conc SD	*0.00118093[mg/l]*	*0.00462720[mg/l]*	*0.00158019[mg/l]*	*11606.20200*	*211679*	*3197.43820*	*0.00014096[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	180.92382000	6388.69810	8435.89730	5359.87290	7409.44270	6551.69680	
Int RSD	*33.55664942*	*12.26853277*	*0.24997487*	*2.45472519*	*0.66746456*	*0.18557042*	
Int SD	*60.71197200*	*783.79952000*	*21.08762300*	*131.57015000*	*49.45540400*	*12.15801100*	
RelInt Mean	-0.00022808	0.00056257	0.00114143	0.00019099	0.00012801	0.00017326	
RelInt RSD	*67.82950333*	*41.17235890*	*2.42494854*	*49.43721634*	*10.69115266*	*15.13699998*	
RelInt SD	*0.00015471*	*0.00023162*	*0.00002768*	*0.00009442*	*0.00001369*	*0.00002623*	
Conc Mean	<0.00025989[mg/l]	<0.00051207[mg/l]	<0.00212238[mg/l]	<0.00187007[mg/l]	<-0.00000064[mg/l]	<-0.01716999[mg/l]	
Conc RSD	*172.33636295*	*500.82182562*	*17.97447481*	*117.66781395*	*7227.75315*	*7.64458268*	
Conc SD	*0.00044788[mg/l]*	*0.00256458[mg/l]*	*0.00038149[mg/l]*	*0.00220047[mg/l]*	*0.00004617[mg/l]*	*0.00131257[mg/l]*	

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 467095
Report Level: II
Report Date: 01/06/2023

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	467095
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/09/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.6GW-DG-3 TO 17-220808-P-G	467095-001	08/08/22 11:48	Wipe
DOOR-N-0.6GW-DG-3 TO 17-220808-L-G	467095-002	08/08/22 11:48	Wipe
DOOR-N-0.8GW-DG-3 TO 17-220808-P-G	467095-003	08/08/22 11:30	Wipe
DOOR-N-0.8GW-DG-3 TO 17-220808-L-G	467095-004	08/08/22 11:30	Wipe
DOOR-N-0.9GW-DG-4 TO 17-220808-P-LA	467095-005	08/08/22 10:07	Wipe
DOOR-N-0.9GW-DG-4 TO 17-220808-P-DUP-LA	467095-006	08/08/22 10:07	Wipe
DOOR-N-0.9GW-DG-4 TO 17-220808-L-LA	467095-007	08/08/22 10:07	Wipe
DOOR-N-0.6GE-DG-3 TO 17-220808-P-G	467095-008	08/08/22 10:49	Wipe
DOOR-N-0.6GE-DG-3 TO 17-220808-P-DUP-G	467095-009	08/08/22 10:49	Wipe
DOOR-N-0.6GE-DG-3 TO 17-220808-L-G	467095-010	08/08/22 10:49	Wipe
DOOR-N-0.7GE-INT-16 TO 17-220808-P-CB	467095-011	08/08/22 11:24	Wipe
DOOR-N-0.7GE-INT-16 TO 17-220808-L-CB	467095-012	08/08/22 11:24	Wipe
DOOR-N-0.8GE-PS-17-220808-P-LA	467095-013	08/08/22 10:30	Wipe
DOOR-N-0.8GE-PS-17-220808-L-LA	467095-014	08/08/22 10:30	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 467095 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 08/09/22

This data package contains sample and QC results for fourteen wipe samples, requested for the above referenced project on 08/09/22. The samples were received cold and intact. Reissued 1/6/23 to revise the preparation method reference.

PCBs (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

467095

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 S = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	~~DOOR-N-0.5GW-INT-1 TO 16-22080 -P-~~	~~8/ /2022~~		~~WP~~	~~1~~		X			
2	~~DOOR-N-0.5GW-INT-1 TO 16-22080 -L-~~	~~8/ /2022~~		~~WP~~	~~1~~			X		
3	DOOR-N-0.6GW-DG-3 TO 17-22080 -P- GT	8/8/2022	1148	WP	1		X			
4	DOOR-N-0.6GW-DG-3 TO 17-22080 -L- GT	8/8/2022	1148	WP	1			X		2x Rivet Type 2 = 0.020ft²
5	~~DOOR-N-0.7GW-PS-16-22080 -P-~~	~~8/ /2022~~		~~WP~~	~~1~~		X			
6	~~DOOR-N-0.7GW-PS-16-22080 -L-~~	~~8/ /2022~~		~~WP~~	~~1~~			X		
7	~~DOOR-N-0.7GW-EXT-2 TO 3-22080 -P-~~	~~8/ /2022~~		~~WP~~	~~1~~		X			
8	~~DOOR-N-0.7GW-EXT-2 TO 3-22080 -L-~~	~~8/ /2022~~		~~WP~~	~~1~~			X		
9	~~DOOR-N-0.7GW-EXT-2 TO 3-22080 -L-DUP-~~	~~8/ /2022~~		~~WP~~	~~1~~			X		
10	DOOR-N-0.8GW-DG-3 TO 17-22080 -P- GT	8/8/2022	1130	WP	1		X			
11	DOOR-N-0.8GW-DG-3 TO 17-22080 -L- GT	8/8/2022	1130	WP	1			X		2x Rivet Type 2 = 0.020ft²
12	~~DOOR-N-0.9GW-INT-1 TO 16-22080 -P-~~	~~8/ /2022~~		~~WP~~	~~1~~		X			
13	~~DOOR-N-0.9GW-INT-1 TO 16-22080 -L-~~	~~8/ /2022~~		~~WP~~	~~1~~			X		
14	DOOR-N-0.9GW-DG-4 TO 17-22080 -P- LA	8/8/2022	1007	WP	1		X			
15	DOOR-N-0.9GW-DG-4 TO 17-22080 -P-DUP- LA	8/8/2022	1007	WP	1		X			

MK MK MK MK MK MK MK MK MK MK

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Donald Welsh	Rincon Consultants	8/8/22 17:45
1 Received By:		Yamista	ecn	8/9/2022 09:45
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

467095

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air 5 = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
16	DOOR-N-0.9GW-DG-4 TO 17-22080**8** -L- LA	8/8/2022	1007	WP	1			X		2x Rivet Type 2 = 0.020ft2
17	DOOR-N-0.6GE-DG-3 TO 17-22080**8** -P- G1	8/8/2022	1049	WP	1		X			
18	DOOR-N-0.6GE-DG-3 TO 17-22080**8** -P-DUP- G1	8/8/2022	1049	WP	1		X			
19	DOOR-N-0.6GE-DG-3 TO 17-22080**8** -L- G1	8/8/2022	1049	WP	1			X		6x Rivet Type 2 = 0.060ft2
20	DOOR-N-0.7GE-INT-16 TO 17-22080**8** -P- CB	8/8/2022	1124	WP	1		X			
21	DOOR-N-0.7GE-INT-16 TO 17-22080**8** -L- CB	8/8/2022	1124	WP	1			X		
22	~~DOOR-N-0.7GE-PS-16-22080 -P-~~	~~8/ /2022~~		~~WP~~	1		X			MK
23	~~DOOR-N-0.7GE-PS-16-22080 -L-~~	~~8/ /2022~~		~~WP~~	1			X		MK
24	~~DOOR-N-0.7GE-PS-16-22080 -L-DUP-~~	~~8/ /2022~~		~~WP~~	1			X		MK
25	DOOR-N-0 8GE-PS-17-22080**8** -P- LA	8/8/2022	1030	WP	1		X		X	HOLD
26	DOOR-N-0 8GE-PS-17-22080**8** -L- LA	8/8/2022	1030	WP	1			X	X	HOLD
27	~~DOOR-N-0.9GE-INT-1 TO 16-22080 -P-~~	~~8/ /2022~~		~~WP~~	1		X			MK
28	~~DOOR-N-0.9GE-INT-1 TO 16-22080 -L-~~	~~8/ /2022~~		~~WP~~	1			X		MK
29	~~22080 -P-MEDBLANK~~	~~8/ /2022~~		~~WP~~	1		X			MK
30	~~22080 -L-MEDBLANK~~	~~8/ /2022~~		~~WP~~	1			X		~~Collected from High Occupancy zone of Hanagar~~ MK

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Donald Welsh	Rincon Consultants	8/8/22 17:45
[1] Received By:		Yanika		08/09/22 09:45
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants, Inc. Project: Hangar 1 - NCTRA WP / 158 Ody Road, Mountain View CA

Date Received: 8/9/2022 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.4 #2: _____ #3: _____ #4: _____

(Acceptonce ronge is < 6°C but not frozen (for Micrabiology somples, occeptonce range is < 10°C but not frozen). It is acceptoble for samples collected the some day as sample receipt to hove a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: Fedex

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.6 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?	✓		
If custody seals are present, were they intact?	✓		
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than S-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yanira Date: 8/9/2022

Enthalpy Analytical, a subsidiary of Montrose Environmental Group, Inc.
931 W. Barkley Ave, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 538-1209
www.enthalpy.com/socal

ORIGIN ID:NUQA (619) 977-6886
KERRY CAMPBELL

1935 W EL CAMINO REAL

MOUNTAIN VIEW, CA 94040
UNITED STATES US

SHIP DATE: 08AUG22
ACTWGT: 30.00 LB
CAD: 254485286/INET4490
DIMS: 23x13x14 IN

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TO **SAMPLE RECEIVING**
ENTHALPY ANALYTICAL
931 W BARKLEY AVE

ORANGE CA 92868
(510) 204-2233
INV:
PO: 2D-10491

REF: MOFFETT
DEPT:

581J2/F39D/FE4A

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Date: 8/8/22

Signature:

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MONTROSE ENVIRONMENTAL

John Goyette <jgoyette@montrose-env.com>

[EXTERNAL] 08/08/22 wipes samples

Kerry Campbell <kcampbell@rinconconsultants.com> Tue, Aug 9, 2022 at 9:58 AM
To: John Goyette <john.goyette@enthalpy.com>
Cc: Lindsay Parker <lparker@rinconconsultants.com>, Austin Moore <amoore@rinconconsultants.com>

Good morning John,

We were unable to resample the two locations yesterday (08/08/22) that were put on hold. Can we go ahead and have both of those samples run for analysis.

1. DOOR-N-0.8GE-PS-17-220808-P-LA
2. DOOR-N-0.8GE-PS-17-220808-L-LA

Thanks, Kerry

Kerry Campbell, Field Program Manager

Rincon Consultants, Inc.

Environmental Scientists | Planners | Engineers

213-788-4842 x3083

619-977-6886 Mobile

619-642-2443 Direct

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Please consider the environment before printing this email.

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467095 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.6GW-DG-3 TO 17-220808-P-G **Batch#:** 294760 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/08/22 **Analysis:** EPA 8082

Lab ID: 467095-001 **Received:** 08/09/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/10/22

DiIn Fac: 1.000 **Analyzed:** 08/11/22

467095-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467095-001 Surrogate	%REC	Limits
TCMX (PCB)	128	52-186
Decachlorobiphenyl (PCB)	114	50-150

Field ID: DOOR-N-0.8GW-DG-3 TO 17-220808-P-G **Batch#:** 294760 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/08/22 **Analysis:** EPA 8082

Lab ID: 467095-003 **Received:** 08/09/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/10/22

DiIn Fac: 1.000 **Analyzed:** 08/11/22

467095-003 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467095-003 Surrogate	%REC	Limits
TCMX (PCB)	105	52-186
Decachlorobiphenyl (PCB)	88	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467095 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.9GW-DG-4 TO 17-220808-P-LA **Batch#:** 294760 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/08/22 **Analysis:** EPA 8082

Lab ID: 467095-005 **Received:** 08/09/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/10/22

Diln Fac: 1.000 **Analyzed:** 08/11/22

467095-005 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467095-005 Surrogate	%REC	Limits
TCMX (PCB)	90	52-186
Decachlorobiphenyl (PCB)	82	50-150

Field ID: DOOR-N-0.9GW-DG-4 TO 17-220808-P-DUP-LA **Batch#:** 294760 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/08/22 **Analysis:** EPA 8082

Lab ID: 467095-006 **Received:** 08/09/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/10/22

Diln Fac: 1.000 **Analyzed:** 08/11/22

467095-006 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467095-006 Surrogate	%REC	Limits
TCMX (PCB)	89	52-186
Decachlorobiphenyl (PCB)	82	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467095 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.6GE-DG-3 TO 17-220808-P-G **Batch#:** 294760 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/08/22 **Analysis:** EPA 8082

Lab ID: 467095-008 **Received:** 08/09/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/10/22

DiIn Fac: 1.000 **Analyzed:** 08/11/22

467095-008 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467095-008 Surrogate	%REC	Limits
TCMX (PCB)	108	52-186
Decachlorobiphenyl (PCB)	85	50-150

Field ID: DOOR-N-0.6GE-DG-3 TO 17-220808-P-DUP-G **Batch#:** 294760 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/08/22 **Analysis:** EPA 8082

Lab ID: 467095-009 **Received:** 08/09/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/10/22

DiIn Fac: 1.000 **Analyzed:** 08/11/22

467095-009 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467095-009 Surrogate	%REC	Limits
TCMX (PCB)	91	52-186
Decachlorobiphenyl (PCB)	75	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467095 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.7GE-INT-16 TO 17-220808-P-CB **Batch#:** 294760 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/08/22 **Analysis:** EPA 8082

Lab ID: 467095-011 **Received:** 08/09/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/10/22

Diln Fac: 1.000 **Analyzed:** 08/11/22

467095-011 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467095-011 Surrogate	%REC	Limits
TCMX (PCB)	83	52-186
Decachlorobiphenyl (PCB)	73	50-150

Field ID: DOOR-N-0.8GE-PS-17-220808-P-LA **Batch#:** 294760 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/08/22 **Analysis:** EPA 8082

Lab ID: 467095-013 **Received:** 08/09/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/10/22

Diln Fac: 1.000 **Analyzed:** 08/11/22

467095-013 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467095-013 Surrogate	%REC	Limits
TCMX (PCB)	85	52-186
Decachlorobiphenyl (PCB)	71	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467095 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 294760 **Analysis:** EPA 8082

Lab ID: QC1005786 **Prepared:** 08/10/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/10/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1005786 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1005786 Surrogate	%REC	Limits
TCMX (PCB)	97	52-186
Decachlorobiphenyl (PCB)	106	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 467095 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 294760 **Analysis:** EPA 8082

Lab ID: QC1005787 **Prepared:** 08/10/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/10/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1005787 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.420	108	60-140	ug/100 cm2
Aroclor-1260	5.000	6.641	133	60-140	ug/100 cm2

QC1005787 Surrogate	%REC	Limits
TCMX (PCB)	99	52-186
Decachlorobiphenyl (PCB)	117	60-140

Type: BSD **Batch#:** 294760 **Analysis:** EPA 8082

Lab ID: QC1005788 **Prepared:** 08/10/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/10/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1005788 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.443	109	60-140	ug/100 cm2	0	20
Aroclor-1260	5.000	5.993	120	60-140	ug/100 cm2	10	20

QC1005788 Surrogate	%REC	Limits
TCMX (PCB)	99	52-186
Decachlorobiphenyl (PCB)	98	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 467095 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.6GW-DG-3 TO 17-220808-L-G **Batch#:** 294757 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/08/22 **Analysis:** EPA 6010B
Lab ID: 467095-002 **Received:** 08/09/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/10/22
Diln Fac: 1.000 **Analyzed:** 08/10/22

467095-002 Analyte	Result	RL	Units
Lead	**77**	0.49	ug/ft2

Field ID: DOOR-N-0.8GW-DG-3 TO 17-220808-L-G **Batch#:** 294757 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/08/22 **Analysis:** EPA 6010B
Lab ID: 467095-004 **Received:** 08/09/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/10/22
Diln Fac: 1.000 **Analyzed:** 08/10/22

467095-004 Analyte	Result	RL	Units
Lead	**31**	0.49	ug/ft2

Field ID: DOOR-N-0.9GW-DG-4 TO 17-220808-L-LA **Batch#:** 294757 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/08/22 **Analysis:** EPA 6010B
Lab ID: 467095-007 **Received:** 08/09/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/10/22
Diln Fac: 1.000 **Analyzed:** 08/10/22

467095-007 Analyte	Result	RL	Units
Lead	**210**	0.49	ug/ft2

Field ID: DOOR-N-0.6GE-DG-3 TO 17-220808-L-G **Batch#:** 294757 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/08/22 **Analysis:** EPA 6010B
Lab ID: 467095-010 **Received:** 08/09/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/10/22
Diln Fac: 1.000 **Analyzed:** 08/10/22

467095-010 Analyte	Result	RL	Units
Lead	**120**	0.47	ug/ft2

Field ID: DOOR-N-0.7GE-INT-16 TO 17-220808-L-CB **Batch#:** 294757 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/08/22 **Analysis:** EPA 6010B
Lab ID: 467095-012 **Received:** 08/09/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/10/22
Diln Fac: 1.000 **Analyzed:** 08/10/22

467095-012 Analyte	Result	RL	Units
Lead	**200**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 467095 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID:	DOOR-N-0.8GE-PS-17-220808-L-LA	**Batch#:**	294757	**Prep:**	EPA 3050B
Type:	SAMPLE	**Sampled:**	08/08/22	**Analysis:**	EPA 6010B
Lab ID:	467095-014	**Received:**	08/09/22	**Analyst:**	SBW
Matrix:	Wipe	**Prepared:**	08/10/22		
Diln Fac:	1.000	**Analyzed:**	08/10/22		

467095-014 Analyte	Result	RL	Units
Lead	**190**	0.50	ug/ft2

Type:	BLANK	**Batch#:**	294757	**Analysis:**	EPA 6010B
Lab ID:	QC1005773	**Prepared:**	08/10/22	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	08/10/22		
Diln Fac:	1.000	**Prep:**	EPA 3050B		

QC1005773 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 467095 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 294757 **Analysis:** EPA 6010B

Lab ID: QC1005774 **Prepared:** 08/10/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 08/10/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1005774 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	104.1	104	80-120	ug/ft2

Type: BSD **Batch#:** 294757 **Analysis:** EPA 6010B

Lab ID: QC1005775 **Prepared:** 08/10/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 08/10/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1005775 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	108.3	108	80-120	ug/ft2	4	20

Legend

RPD: Relative Percent Difference

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 467181
Report Level: II
Report Date: 01/06/2023

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	467181
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/10/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.5GW-INT-1 TO 16-220809-P-CB	467181-001	08/09/22 09:00	Wipe
DOOR-N-0.5GW-INT-1 TO 16-220809-L-CB	467181-002	08/09/22 09:00	Wipe
DOOR-N-0.7GW-PS-16-220809-P-LA	467181-003	08/09/22 08:19	Wipe
DOOR-N-0.7GW-PS-16-220809-L-LA	467181-004	08/09/22 08:19	Wipe
DOOR-N-0.7GW-EXT-2 TO 3-220809-P-CB	467181-005	08/09/22 07:43	Wipe
DOOR-N-0.7GW-EXT-2 TO 3-220809-L-CB	467181-006	08/09/22 07:43	Wipe
DOOR-N-0.7GW-EXT-2 TO 3-220809-L-DUP-CB	467181-007	08/09/22 07:43	Wipe
DOOR-N-0.9GW-INT-1 TO 16-220809-P-CB	467181-008	08/09/22 08:48	Wipe
DOOR-N-0.9GW-INT-1 TO 16-220809-L-CB	467181-009	08/09/22 08:48	Wipe
DOOR-N-0.7GE-PS-16-220809-P-LA	467181-010	08/09/22 08:01	Wipe
DOOR-N-0.7GE-PS-16-220809-L-LA	467181-011	08/09/22 08:01	Wipe
DOOR-N-0.7GE-PS-16-220809-L-DUP-LA	467181-012	08/09/22 08:01	Wipe
DOOR-N-0.9GE-INT-1 TO 16-220809-P-CB	467181-013	08/09/22 08:34	Wipe
DOOR-N-0.9GE-INT-1 TO 16-220809-L-CB	467181-014	08/09/22 08:34	Wipe
220809-P-MEDBLANK	467181-015	08/09/22 09:10	Wipe
220809-L-MEDBLANK	467181-016	08/09/22 09:10	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 467181 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 08/10/22

This data package contains sample and QC results for sixteen wipe samples, requested for the above referenced project on 08/10/22. The samples were received cold and intact. Reissued 1/6/23 to revise the preparation method reference.

PCBs (EPA 8082):

No analytical problems were encountered.

Metals (EPA 6010B):

- An interference check standard recovered slightly low for lead in the presence of high concentrations of aluminum. The bias is trivial compared to the lead results in the samples and the aluminum interferent is not present in the samples at any significant quantities. Results are flagged "b", but there is no effect on the data quality.
- No analytical problems were encountered.

467181

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	DOOR-N-0.5GW-INT-1 TO 16-220809 -P- CB	8/9/2022	0900	WP	1		X			**Confirmation Wipe Samples - Level II Report/Stage 2A Validation** Report PCB concentrations on a µg/100cm² basis Report lead concentrations on a µg/ft² basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 1 Enclosure B (high occupancy)
2	DOOR-N-0.5GW-INT-1 TO 16-220809 -L- CB	8/9/2022	0900	WP	1			X		
3	~~DOOR-N-0.6GW-DG-3 TO 17-22080 -P-~~	8/ /2022		WP	1		X			MK
4	~~DOOR-N-0.6GW-DG-3 TO 17-22080 -L-~~	8/ /2022		WP	1			X		MK
5	DOOR-N-0.7GW-PS-16-220809 -P- LA	8/9/2022	0819	WP	1		X			
6	DOOR-N-0.7GW-PS-16-220809 -L- LA	8/9/2022	0819	WP	1			X		2x Rivet Type 1 = 0.0276 ft²
7	DOOR-N-0.7GW-EXT-2 TO 3-220809 -P- CB	8/9/2022	0743	WP	1		X			
8	DOOR-N-0.7GW-EXT-2 TO 3-220809 -L- CB	8/9/2022	0743	WP	1			X		
9	DOOR-N-0.7GW-EXT-2 TO 3-220809 -L-DUP- CB	8/9/2022	0743	WP	1			X		
10	~~DOOR-N-0.8GW-DG-3 TO 17-22080 -P-~~	8/ /2022		WP	1		X			MK
11	~~DOOR-N-0.8GW-DG-3 TO 17-22080 -L-~~	8/ /2022		WP	1			X		MK
12	DOOR-N-0.9GW-INT-1 TO 16-220809 -P- CB	8/9/2022	0848	WP	1		X			
13	DOOR-N-0.9GW-INT-1 TO 16-220809 -L- CB	8/9/2022	0848	WP	1			X		
14	~~DOOR-N-0.9GW-DG-4 TO 17-22080 -P-~~	8/ /2022		WP	1		X			MK
15	~~DOOR-N-0.9GW-DG-4 TO 17-22080 -P-DUP-~~	8/ /2022		WP	1		X			MK

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TK	Tyler Sinnott	Rincon / Envi. Scientist	8/9/22 / 1745
1 Received By:				8/10/22 / 0949
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

4.3/1.9

LS

467181

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard: | X (PCBs) | 5 Day: | | 3 Day: |
2 Day: | | 1 Day: | X (Pb) | Custom TAT:

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(6S1) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
~~16~~	~~DOOR-N-0.9GW-DG-4 TO 17-22080 -L-~~	~~8/ /2022~~		~~WP~~	~~1~~			X		**Confirmation Wipe Samples - Level II Report/Stage 2A Validation**
~~17~~	~~DOOR-N-0.6GE-DG-3 TO 17-22080 -P-~~	~~8/ /2022~~		~~WP~~	~~1~~		X			Report PCB concentrations on a µg/100cm² basis
~~18~~	~~DOOR-N-0.6GE-DG-3 TO 17-22080 -P-DUP-~~	~~8/ /2022~~		~~WP~~	~~1~~		X			Report lead concentrations on a µg/ft² basis
~~19~~	~~DOOR-N-0.6GE-DG-3 TO 17-22080 -L-~~	~~8/ /2022~~		~~WP~~	~~1~~			X		Report Aroclor 1268 concentrations in addition to the standard Aroclors
~~20~~	~~DOOR-N-0.7GE-INT-16 TO 17-22080 -P-~~	~~8/ /2022~~		~~WP~~	~~1~~		X			
~~21~~	~~DOOR-N-0.7GE-INT-16 TO 17-22080 -L-~~	~~8/ /2022~~		~~WP~~	~~1~~			X		Wipe samples collected from Zone 1 Enclosure B
22	DOOR-N-0.7GE-PS-16-220809 -P- LA	8/9/2022	0801	WP	1		X			
23	DOOR-N-0.7GE-PS-16-220809 -L- LA	8/9/2022	0801	WP	1			X		1x Rivet Type 1 = 0.013842
24	DOOR-N-0.7GE-PS-16-220809 -L-DUP- LA	8/9/2022	0801	WP	1			X		1x Rivet Type 1 = 0.013842
25	~~DOOR-N-0.8GE-PS-17-22080 -P-~~	~~8/ /2022~~		~~WP~~	~~1~~		X			
26	~~DOOR-N-0.8GE-PS-17-22080 -L-~~ MK	~~8/ /2022~~		~~WP~~	~~1~~			X		
27	DOOR-N-0.9GE-INT-1 TO 16-220809 -P- LA CB	8/9/2022	0934	WP	1		X			
28	DOOR-N-0.9GE-INT-1 TO 16-220809 -L- LA MK CB	8/9/2022	0934	WP	1			X		
29	220809 -P-MEDBLANK	8/9/2022	0910	WP	1		X			Collected from High Occupancy zone of Hanagar
30	220809 -L-MEDBLANK	8/9/2022	0910	WP	1			X		Collected from High Occupancy zone of Hanagar

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TK Sinnott	Tyler Sinnott	Rincon / Envi. Scientist	8/9/22 / 1745
1 Received By:		FedEx	EM	8/10/22 / 0949
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 8/10/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.3 #2: _____ #3: _____ #4: _____

(Acceptonce range is < 6°C but not frozen (for Microbialogy samples, occeptonce range is < 10°C but not frozen). It is acceptable for samples collected the some day os sample receipt to hove a higher temperoture as long as there is evidence that cooling hos begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.9 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?	✔	✔	
If custody seals are present, were they intact?	✔		✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

N.6. 8-10-22

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 8-10-22

After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467181 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.5GW-INT-1 TO 16-220809-P-CB **Batch#:** 294760 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/09/22 **Analysis:** EPA 8082

Lab ID: 467181-001 **Received:** 08/10/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/10/22

Diln Fac: 1.000 **Analyzed:** 08/10/22

467181-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467181-001 Surrogate	%REC	Limits
TCMX (PCB)	78	52-186
Decachlorobiphenyl (PCB)	72	50-150

Field ID: DOOR-N-0.7GW-PS-16-220809-P-LA **Batch#:** 294760 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/09/22 **Analysis:** EPA 8082

Lab ID: 467181-003 **Received:** 08/10/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/10/22

Diln Fac: 1.000 **Analyzed:** 08/10/22

467181-003 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467181-003 Surrogate	%REC	Limits
TCMX (PCB)	81	52-186
Decachlorobiphenyl (PCB)	76	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467181 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.7GW-EXT-2 TO 3-220809-P-CB **Batch#:** 294760 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 08/09/22 **Analysis:** EPA 8082
Lab ID: 467181-005 **Received:** 08/10/22 **Analyst:** TRN
Matrix: Wipe **Prepared:** 08/10/22
Dil Fac: 1.000 **Analyzed:** 08/10/22

467181-005 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467181-005 Surrogate	%REC	Limits
TCMX (PCB)	74	52-186
Decachlorobiphenyl (PCB)	69	50-150

Field ID: DOOR-N-0.9GW-INT-1 TO 16-220809-P-CB **Batch#:** 294760 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 08/09/22 **Analysis:** EPA 8082
Lab ID: 467181-008 **Received:** 08/10/22 **Analyst:** TRN
Matrix: Wipe **Prepared:** 08/10/22
Dil Fac: 1.000 **Analyzed:** 08/10/22

467181-008 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467181-008 Surrogate	%REC	Limits
TCMX (PCB)	77	52-186
Decachlorobiphenyl (PCB)	67	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467181 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.7GE-PS-16-220809-P-LA **Batch#:** 294760 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/09/22 **Analysis:** EPA 8082

Lab ID: 467181-010 **Received:** 08/10/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/10/22

Dil Fac: 1.000 **Analyzed:** 08/10/22

467181-010 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467181-010 Surrogate	%REC	Limits
TCMX (PCB)	76	52-186
Decachlorobiphenyl (PCB)	68	50-150

Field ID: DOOR-N-0.9GE-INT-1 TO 16-220809-P-CB **Batch#:** 294760 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/09/22 **Analysis:** EPA 8082

Lab ID: 467181-013 **Received:** 08/10/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/10/22

Dil Fac: 1.000 **Analyzed:** 08/10/22

467181-013 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467181-013 Surrogate	%REC	Limits
TCMX (PCB)	80	52-186
Decachlorobiphenyl (PCB)	69	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467181 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 220809-P-MEDBLANK **Batch#:** 294760 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/09/22 **Analysis:** EPA 8082

Lab ID: 467181-015 **Received:** 08/10/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/10/22

Dil n Fac: 1.000 **Analyzed:** 08/10/22

467181-015 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467181-015 Surrogate	%REC	Limits
TCMX (PCB)	74	52-186
Decachlorobiphenyl (PCB)	75	50-150

Type: BLANK **Batch#:** 294760 **Analysis:** EPA 8082

Lab ID: QC1005786 **Prepared:** 08/10/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/10/22

Dil n Fac: 1.000 **Prep:** EPA 3572M

QC1005786 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1005786 Surrogate	%REC	Limits
TCMX (PCB)	97	52-186
Decachlorobiphenyl (PCB)	106	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 467181 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 294760 **Analysis:** EPA 8082

Lab ID: QC1005787 **Prepared:** 08/10/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/10/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1005787 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.420	108	60-140	ug/100 cm2
Aroclor-1260	5.000	6.641	133	60-140	ug/100 cm2

QC1005787 Surrogate	%REC	Limits
TCMX (PCB)	99	52-186
Decachlorobiphenyl (PCB)	117	60-140

Type: BSD **Batch#:** 294760 **Analysis:** EPA 8082

Lab ID: QC1005788 **Prepared:** 08/10/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/10/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1005788 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.443	109	60-140	ug/100 cm2	0	20
Aroclor-1260	5.000	5.993	120	60-140	ug/100 cm2	10	20

QC1005788 Surrogate	%REC	Limits
TCMX (PCB)	99	52-186
Decachlorobiphenyl (PCB)	98	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 467181 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.5GW-INT-1 TO 16-220809-L-CB **Batch#:** 294835 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/09/22 **Analysis:** EPA 6010B
Lab ID: 467181-002 **Received:** 08/10/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/11/22
Diln Fac: 1.000 **Analyzed:** 08/11/22

467181-002 Analyte	Result	RL	Units	Qual
Lead	**150**	0.50	ug/ft2	b

Field ID: DOOR-N-0.7GW-PS-16-220809-L-LA **Batch#:** 294835 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/09/22 **Analysis:** EPA 6010B
Lab ID: 467181-004 **Received:** 08/10/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/11/22
Diln Fac: 1.000 **Analyzed:** 08/11/22

467181-004 Analyte	Result	RL	Units	Qual
Lead	**160**	0.49	ug/ft2	b

Field ID: DOOR-N-0.7GW-EXT-2 TO 3-220809-L-CB **Batch#:** 294835 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/09/22 **Analysis:** EPA 6010B
Lab ID: 467181-006 **Received:** 08/10/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/11/22
Diln Fac: 1.000 **Analyzed:** 08/11/22

467181-006 Analyte	Result	RL	Units	Qual
Lead	**54**	0.50	ug/ft2	b

Field ID: DOOR-N-0.7GW-EXT-2 TO 3-220809-L-DUP-CB **Batch#:** 294835 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/09/22 **Analysis:** EPA 6010B
Lab ID: 467181-007 **Received:** 08/10/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/11/22
Diln Fac: 1.000 **Analyzed:** 08/11/22

467181-007 Analyte	Result	RL	Units	Qual
Lead	**66**	0.50	ug/ft2	b

Field ID: DOOR-N-0.9GW-INT-1 TO 16-220809-L-CB **Batch#:** 294835 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/09/22 **Analysis:** EPA 6010B
Lab ID: 467181-009 **Received:** 08/10/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/11/22
Diln Fac: 1.000 **Analyzed:** 08/11/22

467181-009 Analyte	Result	RL	Units	Qual
Lead	**210**	0.50	ug/ft2	b

ENTHALPY ANALYTICAL

Lead

Lab #: 467181 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.7GE-PS-16-220809-L-LA **Batch#:** 294835 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/09/22 **Analysis:** EPA 6010B
Lab ID: 467181-011 **Received:** 08/10/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/11/22
Diln Fac: 1.000 **Analyzed:** 08/11/22

467181-011 Analyte	Result	RL	Units	Qual
Lead	**250**	0.49	ug/ft2	b

Field ID: DOOR-N-0.7GE-PS-16-220809-L-DUP-LA **Batch#:** 294835 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/09/22 **Analysis:** EPA 6010B
Lab ID: 467181-012 **Received:** 08/10/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/11/22
Diln Fac: 1.000 **Analyzed:** 08/11/22

467181-012 Analyte	Result	RL	Units	Qual
Lead	**140**	0.49	ug/ft2	b

Field ID: DOOR-N-0.9GE-INT-1 TO 16-220809-L-CB **Batch#:** 294835 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/09/22 **Analysis:** EPA 6010B
Lab ID: 467181-014 **Received:** 08/10/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/11/22
Diln Fac: 1.000 **Analyzed:** 08/11/22

467181-014 Analyte	Result	RL	Units	Qual
Lead	**330**	0.50	ug/ft2	b

Field ID: 220809-L-MEDBLANK **Batch#:** 294835 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/09/22 **Analysis:** EPA 6010B
Lab ID: 467181-016 **Received:** 08/10/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/11/22
Diln Fac: 1.000 **Analyzed:** 08/11/22

467181-016 Analyte	Result	RL	Units	Qual
Lead	**7.8**	0.50	ug/ft2	b

Type: BLANK **Batch#:** 294835 **Analysis:** EPA 6010B
Lab ID: QC1006038 **Prepared:** 08/11/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 08/11/22
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1006038 Analyte	Result	RL	Units	Qual
Lead	ND	0.50	ug/ft2	b

Legend
ND: Not Detected
RL: Reporting Limit
b: See narrative

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 467181 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 294835 **Analysis:** EPA 6010B

Lab ID: QC1006040 **Prepared:** 08/11/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 08/11/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1006040 Analyte	Spiked	Result	%REC	Limits	Units	Qual
Lead	100.0	107.8	108	80-120	ug/ft2	b

Type: BSD **Batch#:** 294835 **Analysis:** EPA 6010B

Lab ID: QC1006041 **Prepared:** 08/11/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 08/11/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1006041 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim	Qual
Lead	100.0	106.8	107	80-120	ug/ft2	1	20	b

Legend

RPD: Relative Percent Difference

b: See narrative

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 465874
Report Level: IV
Report Date: 01/06/2023

PCBs

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker Rincon Consultants 449 15th Street #303 Oakland, CA 94612		Lab Job #: Project No: Location: Date Received:	465874 20-10491 Hangar 1 NTCRA 07/18/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.1GW-INT-17 TO 18-220716-P-CB	465874-001	07/16/22 13:05	Wipe
DOOR-N-0.4GW-DG-4 TO 17-220716-P-LA	465874-003	07/16/22 13:19	Wipe
AFRAME-C1W-LAT-L3-EXT-1 TO 2-220716-P-WF	465874-005	07/16/22 12:45	Wipe

ENTHALPY ANALYTICAL

Case Narrative

PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 465874 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 07/18/22

This data package contains sample and QC results for three wipe samples, requested for the above referenced project on 07/19/22. See attached cooler receipt form for any sample receipt problems or discrepancies. Reissued 1/6/23 to revise the preparation method reference.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

465874

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	DOOR-N-0.1GW-INT-17 TO 18-220716-P- CB	7/16/2022	1305	WP	1		X			Confirmation Wipe Samples - Level IV Report/Stage 3 Validation Report PCB concentrations on a µg/100cm² basis Report lead concentrations on a µg/ft² basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 1 Enclosure C
2	DOOR-N-0.1GW-INT-17 TO 18-220716-L- CB	7/16/2022	1305	WP	1			X		—
3	DOOR-N-0.4GW-DG-4 TO 17-220716-P- LA	7/16/2022	1319	WP	1		X			—
4	DOOR-N-0.4GW-DG-4 TO 17-220716-L- LA	7/16/2022	1319	WP	1			X		2x Rivet Type 2 - 0.0276 ft² added area
5	AFRAME-C1W-LAT-L3-EXT-1 TO 2-220716-P- WF	7/16/2022	1245	WP	1		X			—
6	AFRAME-C1W-LAT-L3-EXT-1 TO 2-220716-L- WF	7/16/2022	1245	WP	1			X		—
7										
8										
9										
10										
11										
12										
13										
14										
15										

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michaela Kim	Rincon/Env Scientist	07/18/22 1222
[1] Received By:	Lindsay Hudson	Lindsay Hudson	ENTHALPY	7/18/22 12:22
[2] Relinquished By:	Lindsay Hudson			7/18/22 14:48
[2] Received By:				7/18/22 14:48
[3] Relinquished By:				7/18/22 1603
[3] Received By:				7-19-22 11:00

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 7/19/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 2.1 #2: _____ #3: _____ #4: _____

(Acceptonce ronge is < 6°C but not frozen (for Microbiology somples, occeptonce ronge is < 10°C but not frozen). It is occeptoble for somples collected the some doy os somple receipt to hove o higher temperoture os long os there is evidence thot cooling hos begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.1 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 7-19-22

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 465874 Client: Rincon

Date Received: 7/18/22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☐ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☐ Yes, how many? _____ ☐ No (skip **Section 3 below**)

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened _____ By (print)_____ (sign)_____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe)_____

☐ Bubble Wrap, ☐ Foam blocks, ☐ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☐ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID:_____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: 2.2, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer?_____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called?_____ By_____ Date:_____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 7/18/22 **By (print)** MY **(sign)** _____

Date Labeled 7/18/22 **By (print)** MY **(sign)** _____

GLS.

800-322-5555
www.gls-us.com

Ship From
ENTHALPY ANALYTICAL
BERKELEY SERVICE CENTER
2323 5TH STREET
BERKELEY, CA 94710

Ship To
ENTHALPY ANALYTICAL (ORG)
SAMPLE RECEIVING
931 W BARKLEY AVE.
ORANGE, CA 92868

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:

Signature Type: STANDARD

Tracking #: 557338946

CPS

ORANGE

S10003H

68565643

ORC CA927-EH1

Print Date: 7/18/2022 4:46 PM

Package 1 of 2

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com.

2.1 / 1.4

Results & QC Summary

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465874 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.1GW-INT-17 TO 18-220716-P-CB **Batch#:** 293412 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 07/16/22 **Analysis:** EPA 8082
Lab ID: 465874-001 **Received:** 07/18/22 **Analyst:** TRN
Matrix: Wipe **Prepared:** 07/20/22
Dil n Fac: 1.000 **Analyzed:** 07/23/22

465874-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465874-001 Surrogate	%REC	Limits
TCMX (PCB)	74	52-186
Decachlorobiphenyl (PCB)	69	50-150

Field ID: DOOR-N-0.4GW-DG-4 TO 17-220716-P-LA **Batch#:** 293412 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 07/16/22 **Analysis:** EPA 8082
Lab ID: 465874-003 **Received:** 07/18/22 **Analyst:** TRN
Matrix: Wipe **Prepared:** 07/20/22
Dil n Fac: 1.000 **Analyzed:** 07/23/22

465874-003 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465874-003 Surrogate	%REC	Limits
TCMX (PCB)	71	52-186
Decachlorobiphenyl (PCB)	67	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465874 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C1W-LAT-L3-EXT-1 TO 2-220716-P-WF **Batch#:** 293412 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/16/22 **Analysis:** EPA 8082

Lab ID: 465874-005 **Received:** 07/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/20/22

DiIn Fac: 1.000 **Analyzed:** 07/23/22

465874-005 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465874-005 Surrogate	%REC	Limits
TCMX (PCB)	76	52-186
Decachlorobiphenyl (PCB)	71	50-150

Type: BLANK **Batch#:** 293412 **Analysis:** EPA 8082

Lab ID: QC1001814 **Prepared:** 07/20/22 **Analyst:** SLL

Matrix: Wipe **Analyzed:** 07/23/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1001814 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1001814 Surrogate	%REC	Limits
TCMX (PCB)	97	52-186
Decachlorobiphenyl (PCB)	87	60-140

Legend

ND: Not Detected

RL: Reporting Limit

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 465874 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 293412 **Analysis:** EPA 8082

Lab ID: QC1001815 **Prepared:** 07/20/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/23/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1001815 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.544	91	60-140	ug/100 cm2
Aroclor-1260	5.000	4.826	97	60-140	ug/100 cm2

QC1001815 Surrogate	%REC	Limits
TCMX (PCB)	90	52-186
Decachlorobiphenyl (PCB)	82	60-140

Type: BSD **Batch#:** 293412 **Analysis:** EPA 8082

Lab ID: QC1001816 **Prepared:** 07/20/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/23/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1001816 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.347	87	60-140	ug/100 cm2	4	20
Aroclor-1260	5.000	4.660	93	60-140	ug/100 cm2	4	20

QC1001816 Surrogate	%REC	Limits
TCMX (PCB)	88	52-186
Decachlorobiphenyl (PCB)	81	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 465874 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_072222_1
Calibration #:	462293080002	Date:	22-JUL-2022 19:50

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_072222116	462293080116		22-JUL-2022 19:50	S17023 (100X), S17010 (250X)
L2	gc07_072222117	462293080117		22-JUL-2022 20:08	S17023 (40X), S17010 (250X)
L3	gc07_072222118	462293080118		22-JUL-2022 20:25	S17023 (20X), S17010 (250X)
L4	gc07_072222119	462293080119		22-JUL-2022 20:43	S17023 (8X), S17010 (250X)
L5	gc07_072222120	462293080120		22-JUL-2022 21:00	S17023 (4X), S17010 (250X)
L6	gc07_072222121	462293080121		22-JUL-2022 21:18	S17023 (2.66X), S17010 (250X)
L7	gc07_072222122	462293080122		22-JUL-2022 21:35	S17023 (2X), S17010 (250X)
L8	gc07_072222123	462293080123		22-JUL-2022 21:53	S17023 (1.33X), S17010 (250X)
L9	gc07_072222124	462293080124		22-JUL-2022 22:10	S17023, S17010 (250X)

Analyte	Ch	Type	X	a0	a1	a2	Units	Avg RF	r^2	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG	R		53.3330		ug/L	0.0188		20	9	.99	20	
Aroclor-1016 Peak # 2	A	LINR	R	-34.262	31.6984		ug/L	0.0379	0.994		7	.99	20	
Aroclor-1016 Peak # 3	A	AVRG	R		21.8416		ug/L	0.0458		19	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG	R		31.7331		ug/L	0.0315		20	8	.99	20	
Aroclor-1016 Peak # 5	A	AVRG	R		37.1745		ug/L	0.0269		18	9	.99	20	
Aroclor-1260 Peak # 1	A	QUAD	A	1.81336	0.04340	1.787E-6	ug/L	0.0573	0.995		8	.99	20	
Aroclor-1260 Peak # 2	A	AVRG	R		11.3385		ug/L	0.0882		20	7	.99	20	
Aroclor-1260 Peak # 3	A	AVRG	R		11.6981		ug/L	0.0855		14	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG	R		24.2132		ug/L	0.0413		19	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG	R		19.4499		ug/L	0.0514		15	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG	R		1.03088		pg/uL	0.9700		13	9	.99	20	
TCMX (PCB)	A	AVRG	R		1.11147		pg/uL	0.8997		15	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG	R		53.7887		ug/L	0.0186		9	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG	R		24.6961		ug/L	0.0405		9	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG	R		20.3652		ug/L	0.0491		10	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG	R		28.2395		ug/L	0.0354		10	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG	R		36.2775		ug/L	0.0276		9	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG	R		17.1268		ug/L	0.0584		12	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG	R		14.4624		ug/L	0.0691		15	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG	R		11.1079		ug/L	0.0900		11	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG	R		20.3969		ug/L	0.0490		9	9	.99	20	
Aroclor-1260 Peak # 5	B	LINR	R	5.02340	14.1140		ug/L	0.0757	0.995		9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG	R		0.82709		pg/uL	1.2091		13	9	.99	20	
TCMX (PCB)	B	AVRG	R		1.12625		pg/uL	0.8879		9	9	.99	20	

Where the X-Axis holds the (A)mount: Instrument response = a0 + (amount × a1) + (amount² × a2) (invert equation before quantitating)
Where the X-Axis holds the (R)esponse: Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor
LINR: Linear regression
QUAD: Quadratic regression

ENTHALPY INITIAL CALIBRATION FOR 465874 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_072222_1
Calibration #:	462293080002	Date:	22-JUL-2022 19:50

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0229	0.0241	0.0224	0.0205	0.0160	0.0148	0.0169	0.0163	0.0148
Aroclor-1016 Peak # 2	A		0.0496	0.0463	0.0413	0.0322	0.0297	0.0339	0.0325	
Aroclor-1016 Peak # 3	A	0.0542	0.0586	0.0549	0.0487	0.0389	0.0364	0.0423	0.0414	0.0367
Aroclor-1016 Peak # 4	A	0.0386	0.0391	0.0373	0.0330	0.0259	0.0240	0.0276	0.0267	
Aroclor-1016 Peak # 5	A	0.0300	0.0338	0.0333	0.0302	0.0233	0.0216	0.0247	0.0238	0.0214
Aroclor-1260 Peak # 1	A	0.0698	0.0723	0.0690	0.0605	0.0471	0.0433	0.0491	0.0471	
Aroclor-1260 Peak # 2	A	0.1025	0.1074	0.1046	0.0913	0.0715	0.0653	0.0747		
Aroclor-1260 Peak # 3	A	0.0991	0.0998	0.1019	0.0877	0.0779	0.0718	0.0827	0.0792	0.0694
Aroclor-1260 Peak # 4	A	0.0478	0.0529	0.0509	0.0451	0.0359	0.0330	0.0380	0.0363	0.0319
Aroclor-1260 Peak # 5	A	0.0556	0.0615	0.0612	0.0574	0.0447	0.0417	0.0483	0.0469	0.0454
Decachlorobiphenyl (PCB)	A	1.0957	1.1204	1.1148	1.0543	0.8628	0.8089	0.9312	0.9085	0.8338
TCMX (PCB)	A	1.0072	1.0943	1.0514	0.9663	0.7679	0.7303	0.8521	0.8442	0.7837
Aroclor-1016 Peak # 1	B	0.0176	0.0211	0.0200	0.0204	0.0165	0.0160	0.0189	0.0186	0.0183
Aroclor-1016 Peak # 2	B	0.0421	0.0444	0.0436	0.0447	0.0359	0.0347	0.0405	0.0397	0.0389
Aroclor-1016 Peak # 3	B	0.0484	0.0547	0.0541	0.0539	0.0435	0.0408	0.0490	0.0492	0.0482
Aroclor-1016 Peak # 4	B	0.0358	0.0408	0.0379	0.0387	0.0311	0.0300	0.0354	0.0347	0.0344
Aroclor-1016 Peak # 5	B	0.0258	0.0302	0.0304	0.0300	0.0245	0.0238	0.0281	0.0279	0.0274
Aroclor-1260 Peak # 1	B	0.0503	0.0670	0.0680	0.0667	0.0525	0.0498	0.0583	0.0574	0.0555
Aroclor-1260 Peak # 2	B	0.0834	0.0812	0.0791	0.0756	0.0587	0.0553	0.0648	0.0631	0.0610
Aroclor-1260 Peak # 3	B	0.0845	0.1026	0.1034	0.1009	0.0799	0.0760	0.0893	0.0880	0.0857
Aroclor-1260 Peak # 4	B	0.0469	0.0496	0.0555	0.0566	0.0448	0.0425	0.0496	0.0487	0.0470
Aroclor-1260 Peak # 5	B	0.0630	0.1102	0.0883	0.0827	0.0634	0.0606	0.0707	0.0697	0.0726
Decachlorobiphenyl (PCB)	B	1.3889	1.4134	1.3573	1.2787	1.0515	1.0049	1.1598	1.1378	1.0891
TCMX (PCB)	B	0.7903	0.9509	0.9218	0.9563	0.7791	0.7677	0.9245	0.9436	0.9570

ENTHALPY INITIAL CALIBRATION FOR 465874 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_072222_1
Calibration #:	462293080002	Date:	22-JUL-2022 19:50

Spiked Amounts / Drifts	**Ch**	**L1**	**%D**	**L2**	**%D**	**L3**	**%D**	**L4**	**%D**	**L5**	**%D**	**L6**	**%D**	**L7**	**%D**	**L8**	**%D**
Aroclor-1016 Peak # 1	A	20.000	**22**	50.000	**29**	100.00	20	250.00	9	500.00	-15	751.88	**-21**	1000.0	-10	1503.8	-13
Aroclor-1016 Peak # 2	A			50.000	-11	100.00	12	250.00	17	500.00	-5	751.88	-11	1000.0	4	1503.8	1
Aroclor-1016 Peak # 3	A	20.000	18	50.000	**28**	100.00	20	250.00	6	500.00	-15	751.88	**-21**	1000.0	-8	1503.8	-10
Aroclor-1016 Peak # 4	A	20.000	**22**	50.000	**24**	100.00	18	250.00	5	500.00	-18	751.88	**-24**	1000.0	-12	1503.8	-15
Aroclor-1016 Peak # 5	A	20.000	12	50.000	**25**	100.00	**24**	250.00	12	500.00	-13	751.88	-20	1000.0	-8	1503.8	-12
Aroclor-1260 Peak # 1	A	20.000	**-148**	50.000	-17	100.00	17	250.00	**21**	500.00	-2	751.88	-8	1000.0	5	1503.8	0
Aroclor-1260 Peak # 2	A	20.000	16	50.000	**22**	100.00	19	250.00	4	500.00	-19	751.88	**-26**	1000.0	-15		
Aroclor-1260 Peak # 3	A	20.000	16	50.000	17	100.00	19	250.00	3	500.00	-9	751.88	-16	1000.0	-3	1503.8	-7
Aroclor-1260 Peak # 4	A	20.000	16	50.000	**28**	100.00	**23**	250.00	9	500.00	-13	751.88	-20	1000.0	-8	1503.8	-12
Aroclor-1260 Peak # 5	A	20.000	8	50.000	20	100.00	19	250.00	12	500.00	-13	751.88	-19	1000.0	-6	1503.8	-9
Decachlorobiphenyl (PCB)	A	0.8000	13	2.0000	16	4.0000	15	10.000	9	20.000	-11	30.075	-17	40.000	-4	60.150	-6
TCMX (PCB)	A	0.8000	12	2.0000	**22**	4.0000	17	10.000	7	20.000	-15	30.075	-19	40.000	-5	60.150	-6
Aroclor-1016 Peak # 1	B	20.000	-5	50.000	13	100.00	7	250.00	10	500.00	-11	751.88	-14	1000.0	2	1503.8	0
Aroclor-1016 Peak # 2	B	20.000	4	50.000	10	100.00	8	250.00	10	500.00	-11	751.88	-14	1000.0	0	1503.8	-2
Aroclor-1016 Peak # 3	B	20.000	-1	50.000	11	100.00	10	250.00	10	500.00	-11	751.88	-17	1000.0	0	1503.8	0
Aroclor-1016 Peak # 4	B	20.000	1	50.000	15	100.00	7	250.00	9	500.00	-12	751.88	-15	1000.0	0	1503.8	-2
Aroclor-1016 Peak # 5	B	20.000	-7	50.000	10	100.00	10	250.00	9	500.00	-11	751.88	-14	1000.0	2	1503.8	1
Aroclor-1260 Peak # 1	B	20.000	-14	50.000	15	100.00	16	250.00	14	500.00	-10	751.88	-15	1000.0	0	1503.8	-2
Aroclor-1260 Peak # 2	B	20.000	**21**	50.000	17	100.00	14	250.00	9	500.00	-15	751.88	-20	1000.0	-6	1503.8	-9
Aroclor-1260 Peak # 3	B	20.000	-6	50.000	14	100.00	15	250.00	12	500.00	-11	751.88	-16	1000.0	-1	1503.8	-2
Aroclor-1260 Peak # 4	B	20.000	-4	50.000	1	100.00	13	250.00	15	500.00	-9	751.88	-13	1000.0	1	1503.8	-1
Aroclor-1260 Peak # 5	B	20.000	14	50.000	**66**	100.00	**30**	250.00	19	500.00	-10	751.88	-14	1000.0	0	1503.8	-1
Decachlorobiphenyl (PCB)	B	0.8000	15	2.0000	17	4.0000	12	10.000	6	20.000	-13	30.075	-17	40.000	-4	60.150	-6
TCMX (PCB)	B	0.8000	-11	2.0000	7	4.0000	4	10.000	8	20.000	-12	30.075	-14	40.000	4	60.150	6

Instrument:	SVOA-GC07	Name:	PCB_072222_1
Calibration #:	462293080002	Date:	22-JUL-2022 19:50

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	**-21**
Aroclor-1016 Peak # 2	A		
Aroclor-1016 Peak # 3	A	2000.0	-20
Aroclor-1016 Peak # 4	A		
Aroclor-1016 Peak # 5	A	2000.0	-20
Aroclor-1260 Peak # 1	A		
Aroclor-1260 Peak # 2	A		
Aroclor-1260 Peak # 3	A	2000.0	-19
Aroclor-1260 Peak # 4	A	2000.0	**-23**
Aroclor-1260 Peak # 5	A	2000.0	-12
Decachlorobiphenyl (PCB)	A	80.000	-14
TCMX (PCB)	A	80.000	-13
Aroclor-1016 Peak # 1	B	2000.0	-2
Aroclor-1016 Peak # 2	B	2000.0	-4
Aroclor-1016 Peak # 3	B	2000.0	-2
Aroclor-1016 Peak # 4	B	2000.0	-3
Aroclor-1016 Peak # 5	B	2000.0	-1
Aroclor-1260 Peak # 1	B	2000.0	-5
Aroclor-1260 Peak # 2	B	2000.0	-12
Aroclor-1260 Peak # 3	B	2000.0	-5
Aroclor-1260 Peak # 4	B	2000.0	-4
Aroclor-1260 Peak # 5	B	2000.0	3
Decachlorobiphenyl (PCB)	B	80.000	-10
TCMX (PCB)	B	80.000	8

TRN 07/23/22 : Manually integrated for coeluting/ draw baseline, combining peaks for both/one channel on multiple levels.

Analyst: TRN 07/23/22

Reviewer: SLL 07/25/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 465874 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Name:	PCB_072222_1
Calnum:	462293080002	Cal Date:	22-JUL-2022

- ICV 462293080126 (gc07_072222126 22-JUL-2022) stds: S16736

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	454.3	ug/L	-9	15	
Aroclor-1260	A	500.0	486.4	ug/L	-3	15	
Aroclor-1016	B	500.0	466.7	ug/L	-7	15	
Aroclor-1260	B	500.0	487.4	ug/L	-3	15	

-

Analyst: TRN 07/23/22 **Reviewer:** SLL 07/25/22

ENTHALPY CONTINUING CALIBRATION FOR 465874 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	462294741004.1	File:	gc07_072322004	Time:	23-JUL-2022 17:04
Cal:	462293080002	Caldate:	22-JUL-2022		

Standards: S17006

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	454.5	ug/L	-9	15	0.0000	
Aroclor-1260	A			500.0	472.6	ug/L	-5	15	0.0000	
Decachlorobiphenyl (PCB)	A	0.9700	0.8242	20.00	16.99	pg/uL	-15	15	0.0000	
TCMX (PCB)	A	0.8997	0.7529	20.00	16.74	pg/uL	**-16**	15	0.0000	c-
Aroclor-1016	B			500.0	458.8	ug/L	-8	15	0.0000	
Aroclor-1260	B			500.0	487.4	ug/L	-3	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2091	1.0083	20.00	16.68	pg/uL	**-17**	15	0.0000	c-
TCMX (PCB)	B	0.8879	0.7499	20.00	16.89	pg/uL	**-16**	15	0.0000	c-

ISTD (ICAL gc07_072222117)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1415027	1700652	20.19
1-bromo-2-nitrobenzene (PCB)	A	4027378	4666126	15.86

TRN 07/25/22 [Aroclor-1260 B]: Corrected fronting or tailing peak integration for Ch. B.

-=low bias c=CCV

Analyst: TRN 07/25/22 **Reviewer:** SLL 07/25/22

Enthalpy Internal Standard Summary for Sequence 462294741

Date:	07/23/22	Reference:	gc07_072222117
Sequence:	SVOA-GC07 gc07_072322	Analyzed:	07/22/22 20:08

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	1415027	4027378
		LOWER LIMIT	707514	2013689
		UPPER LIMIT	2830054	8054755
004	CCV		1700652	4666126

Enthalpy Internal Standard Summary for Sequence 462294741

Date: 07/23/22 Reference: gc07_072322004
Sequence: SVOA-GC07 gc07_072322 Analyzed: 07/23/22 17:04

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	1700652	4666126
		LOWER LIMIT	850326	2333063
		UPPER LIMIT	3401305	9332252
019	BLANK	QC1001814	1628868	4521112
020	BS	QC1001815	1696443	3076281
021	BSD	QC1001816	1644266	2983430
022	SAMPLE	465874-001	1595851	4393837
023	SAMPLE	465874-003	1549488	4340831
024	SAMPLE	465874-005	1561243	4295790
025	SAMPLE	465889-001	1622790	4531128
026	SAMPLE	465889-003	1606520	4479521
027	SAMPLE	465889-005	1538327	4323040
028	SAMPLE	465889-007	1529607	4297036
029	SAMPLE	465889-010	1556757	4286130
030	SAMPLE	465889-012	1746821	4876592
031	SAMPLE	465889-014	1555756	4229134
032	SAMPLE	465889-015	1476894	4152091
033	SAMPLE	465889-017	1549446	4421540
034	SAMPLE	465921-001	1545405	4213502
035	SAMPLE	465921-002	1569457	4374432
036	SAMPLE	465921-004	1642376	4471198
037	SAMPLE	465921-006	1507075	4193712
038	SAMPLE	465921-008	1589914	4448473
039	SAMPLE	465921-010	1582136	4368853
040	SAMPLE	465921-013	1538352	4326070
041	SAMPLE	465921-015	1651923	4566049

Enthalpy Internal Standard Summary for Sequence 462294741

Date:	07/23/22	Reference:	gc07_072322004
Sequence:	SVOA-GC07 gc07_072322	Analyzed:	07/23/22 17:04

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.46	4.29
		LOWER LIMIT	4.26	4.09
		UPPER LIMIT	4.66	4.49
019	BLANK	QC1001814	4.46	4.29
020	BS	QC1001815	4.46	4.29
021	BSD	QC1001816	4.46	4.29
022	SAMPLE	465874-001	4.46	4.29
023	SAMPLE	465874-003	4.46	4.29
024	SAMPLE	465874-005	4.46	4.29
025	SAMPLE	465889-001	4.46	4.29
026	SAMPLE	465889-003	4.46	4.28
027	SAMPLE	465889-005	4.46	4.29
028	SAMPLE	465889-007	4.46	4.28
029	SAMPLE	465889-010	4.46	4.29
030	SAMPLE	465889-012	4.46	4.29
031	SAMPLE	465889-014	4.46	4.29
032	SAMPLE	465889-015	4.46	4.29
033	SAMPLE	465889-017	4.46	4.29
034	SAMPLE	465921-001	4.46	4.29
035	SAMPLE	465921-002	4.46	4.29
036	SAMPLE	465921-004	4.46	4.29
037	SAMPLE	465921-006	4.46	4.28
038	SAMPLE	465921-008	4.46	4.28
039	SAMPLE	465921-010	4.46	4.28
040	SAMPLE	465921-013	4.46	4.28
041	SAMPLE	465921-015	4.46	4.29

Enthalpy Sequence Summary for Sequence 462293080

Instrument: SVOA-GC07 Begun: 07/22/22 12:05
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
003	gc07_072222003	PEM				07/22/22 12:05	1.0	1	
004	gc07_072222004	CCV				07/22/22 12:23	1.0	2	ac
005	gc07_072222005	CCV				07/22/22 12:40	1.0	3	
105	gc07_072222105	ICAL				07/22/22 16:37	1.0	4 5	
106	gc07_072222106	ICAL				07/22/22 16:54	1.0	4 5	
107	gc07_072222107	ICAL				07/22/22 17:12	1.0	4 5	
108	gc07_072222108	ICAL				07/22/22 17:30	1.0	4 5	
109	gc07_072222109	ICAL				07/22/22 17:47	1.0	4 5	
110	gc07_072222110	ICAL				07/22/22 18:05	1.0	4 5	
111	gc07_072222111	ICAL				07/22/22 18:22	1.0	4 5	
112	gc07_072222112	ICAL				07/22/22 18:40	1.0	4 5	
114	gc07_072222114	ICV				07/22/22 19:15	1.0	6	
116	gc07_072222116	ICAL				07/22/22 19:50	1.0	7 5	
117	gc07_072222117	ICAL				07/22/22 20:08	1.0	7 5	
118	gc07_072222118	ICAL				07/22/22 20:25	1.0	7 5	
119	gc07_072222119	ICAL				07/22/22 20:43	1.0	7 5	
120	gc07_072222120	ICAL				07/22/22 21:00	1.0	7 5	
121	gc07_072222121	ICAL				07/22/22 21:18	1.0	7 5	
122	gc07_072222122	ICAL				07/22/22 21:35	1.0	7 5	
123	gc07_072222123	ICAL				07/22/22 21:53	1.0	7 5	
124	gc07_072222124	ICAL				07/22/22 22:10	1.0	7 5	
126	gc07_072222126	ICV				07/22/22 22:46	1.0	8	

TRN 07/25/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 3 through 5.

TRN 07/25/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 105 through 126.

ac=average CCV drift out

Standards Used:
1=S17018 2=S17019 3=S17006 4=S16478 5=S17010 6=S17027 7=S17023 8=S16736

Enthalpy Sequence Summary for Sequence 462294741

Instrument: SVOA-GC07 Begun: 07/23/22 16:21
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc07_072322002	PEM				07/23/22 16:21	1.0	1	
003	gc07_072322003	CCV				07/23/22 16:39	1.0	2	
004	gc07_072322004	CCV				07/23/22 17:04	1.0	3	
006	gc07_072322006	ICAL				07/23/22 17:25	1.0	4	
007	gc07_072322007	ICAL				07/23/22 17:43	1.0	5	
012	gc07_072322012	SAMPLE	465483-031	Water	293242	07/23/22 19:11	10.0	6	
013	gc07_072322013	SAMPLE	465483-031	Water	293242	07/23/22 19:28	1.0	6	18:ENDRINALD=1300
014	gc07_072322014	SAMPLE	465483-032	Water	293242	07/23/22 19:46	10.0	6	
015	gc07_072322015	SAMPLE	465483-032	Water	293242	07/23/22 20:03	1.0	6	1:ACHLORDANE=180
016	gc07_072322016	SAMPLE	465483-033	Water	293242	07/23/22 20:21	10.0	6	
017	gc07_072322017	SAMPLE	465483-033	Water	293242	07/23/22 20:38	1.0	6	
019	gc07_072322019	BLANK	QC1001814	Wipe	293412	07/23/22 21:13	1.0	6	
020	gc07_072322020	BS	QC1001815	Wipe	293412	07/23/22 21:31	1.0	6	
021	gc07_072322021	BSD	QC1001816	Wipe	293412	07/23/22 21:48	1.0	6	
022	gc07_072322022	SAMPLE	465874-001	Wipe	293412	07/23/22 22:06	1.0	6	
023	gc07_072322023	SAMPLE	465874-003	Wipe	293412	07/23/22 22:23	1.0	6	
024	gc07_072322024	SAMPLE	465874-005	Wipe	293412	07/23/22 22:41	1.0	6	
025	gc07_072322025	SAMPLE	465889-001	Wipe	293412	07/23/22 22:58	1.0	6	
026	gc07_072322026	SAMPLE	465889-003	Wipe	293412	07/23/22 23:16	1.0	6	
027	gc07_072322027	SAMPLE	465889-005	Wipe	293412	07/23/22 23:33	1.0	6	
028	gc07_072322028	SAMPLE	465889-007	Wipe	293412	07/23/22 23:51	1.0	6	
029	gc07_072322029	SAMPLE	465889-010	Wipe	293412	07/24/22 00:08	1.0	6	
030	gc07_072322030	SAMPLE	465889-012	Wipe	293412	07/24/22 00:26	1.0	6	
031	gc07_072322031	SAMPLE	465889-014	Wipe	293412	07/24/22 00:43	1.0	6	
032	gc07_072322032	SAMPLE	465889-015	Wipe	293412	07/24/22 01:01	1.0	6	
033	gc07_072322033	SAMPLE	465889-017	Wipe	293412	07/24/22 01:18	1.0	6	
034	gc07_072322034	SAMPLE	465921-001	Wipe	293412	07/24/22 01:36	1.0	6	
035	gc07_072322035	SAMPLE	465921-002	Wipe	293412	07/24/22 01:53	1.0	6	
036	gc07_072322036	SAMPLE	465921-004	Wipe	293412	07/24/22 02:11	1.0	6	
037	gc07_072322037	SAMPLE	465921-006	Wipe	293412	07/24/22 02:28	1.0	6	
038	gc07_072322038	SAMPLE	465921-008	Wipe	293412	07/24/22 02:46	1.0	6	
039	gc07_072322039	SAMPLE	465921-010	Wipe	293412	07/24/22 03:03	1.0	6	
040	gc07_072322040	SAMPLE	465921-013	Wipe	293412	07/24/22 03:21	1.0	6	
041	gc07_072322041	SAMPLE	465921-015	Wipe	293412	07/24/22 03:38	1.0	6	

TRN 07/25/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 41.

Standards Used:
1=S17018 2=S17019 3=S17006 4=S17011 5=S16896 6=S17010

SAMPLE PREPARATION SUMMARY

Batch # : 293412
Started By : JAP
Prep Date : 20-JUL-2022 13:20
Method : 3572M
Spike #1 ID : S17087
Analysis : 8080
Finished By : JAP
Units : dm2
Spike #3 ID : S17022

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
465874-001		Wipe	1	20	1	20.0		1				PCB	
465874-003		Wipe	1	20	1	20.0		1				PCB	
465874-005		Wipe	1	20	1	20.0		1				PCB	
465889-001		Wipe	1	20	1	20.0		1				PCB	
465889-003		Wipe	1	20	1	20.0		1				PCB	
465889-005		Wipe	1	20	1	20.0		1				PCB	
465889-007		Wipe	1	20	1	20.0		1				PCB	
465889-010		Wipe	1	20	1	20.0		1				PCB	
465889-012		Wipe	1	20	1	20.0		1				PCB	
465889-014		Wipe	1	20	1	20.0		1				PCB	
465889-015		Wipe	1	20	1	20.0		1				PCB	
465889-017		Wipe	1	20	1	20.0		1				PCB	
465921-001		Wipe	1	20	1	20.0		1				PCB	
465921-002		Wipe	1	20	1	20.0		1				PCB	
465921-004		Wipe	1	20	1	20.0		1				PCB	
465921-006		Wipe	1	20	1	20.0		1				PCB	
465921-008		Wipe	1	20	1	20.0		1				PCB	
465921-010		Wipe	1	20	1	20.0		1				PCB	
465921-013		Wipe	1	20	1	20.0		1				PCB	
465921-015		Wipe	1	20	1	20.0		1				PCB	
QC1001814	BLANK	Wipe	1	10	1	10.0		.5				8080	
QC1001815	BS	Wipe	1	10	1	10.0		.5		.5		8080	
QC1001816	BSD	Wipe	1	10	1	10.0		.5		.5		8080	

TRN 07/25/22 : BS/D verify the batch

TRN 07/25/22 : Fix above

Analyst: TRN Date: 07/25/22 Reviewer: SLL Date: 07/25/22

8081/8082 Prep Log

Date/Time: 7/20/22 1320 Initials: JAP

608 QC Batch#:

Wipes 3572M 1-6-23 MAG

8081 QC Batch #:

Matrix: ~~3580~~ Prep Method: ~~3580~~ Balance ID: N/A

8082 QC Batch #: 293412

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Witness ID	Comment
Blank		15		SH3	N/A	10.0			Surr: 500 µL
LCS$_2$									
LCSD$_2$									
465874-001						20.0			
-003									
-005									
465889-001									
-003									
-005									
-007									
-010									
-012									
-014									
-015									
-017									
465921-001									
-002									
-004									
-006									
-008									
-010									
-013									
-015									

Methylene Chloride Lot:

Exchange Solvent (Hexane) ID:

Acetone-Hexane Mix ID:

Sodium Sulfate Lot:

Baked Sand Lot:

Surrogate ID: 517087 Volume: 1000 µL

Pest LCS Spike ID: Volume: µL

PCB LCS Spike ID: 517022 Volume: 500 µL

Pest MS/MSD Spike ID: Volume: µL

PCB MS/MSD Spike ID: Volume: µL

8081/8082 Prep Log

Date/Time: 7/20/22 1320 Initials: JAP 608 QC Batch#:

Wipes 3572M 1-6-23 MAG 8081 QC Batch #:

Matrix: ~~3580~~ Prep Method: ~~3580~~ Balance ID: N/A 8082 QC Batch #: 293412

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Witness ID	Comment
Blank		15dm		SH3	N/A	10.0			Surr: 500 µL
LCS 2									
LCSD 2									
465874-001						20.0			
-003									
-005									
465889-001									
-003									
-005									
-007									
-010									
-012									
-014									
-015									
-017									
465921-001									
-002									
-004									
-006									
-008									
-010									
-013									
-015									

Methylene Chloride Lot:

Exchange Solvent (Hexane) ID:

Acetone-Hexane Mix ID:

Sodium Sulfate Lot:

Baked Sand Lot:

Surrogate ID: 517087 Volume: 1000 µL

Pest LCS Spike ID: Volume: µL

PCB LCS Spike ID: 517022 Volume: 500 µL

Pest MS/MSD Spike ID: Volume: µL

PCB MS/MSD Spike ID: Volume: µL

REPORTING SUMMARY FOR 465874 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
465874-001	Aroclor-1016	SVOA-GC07	B	07/23/22 22:06
465874-001	Aroclor-1221	SVOA-GC07	B	07/23/22 22:06
465874-001	Aroclor-1232	SVOA-GC07	B	07/23/22 22:06
465874-001	Aroclor-1242	SVOA-GC07	B	07/23/22 22:06
465874-001	Aroclor-1248	SVOA-GC07	B	07/23/22 22:06
465874-001	Aroclor-1254	SVOA-GC07	B	07/23/22 22:06
465874-001	Aroclor-1260	SVOA-GC07	B	07/23/22 22:06
465874-001	Aroclor-1262	SVOA-GC07	B	07/23/22 22:06
465874-001	Aroclor-1268	SVOA-GC07	B	07/23/22 22:06
465874-001	TCMX (PCB)	SVOA-GC07	B	07/23/22 22:06
465874-001	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/23/22 22:06
465874-003	Aroclor-1016	SVOA-GC07	B	07/23/22 22:23
465874-003	Aroclor-1221	SVOA-GC07	B	07/23/22 22:23
465874-003	Aroclor-1232	SVOA-GC07	B	07/23/22 22:23
465874-003	Aroclor-1242	SVOA-GC07	B	07/23/22 22:23
465874-003	Aroclor-1248	SVOA-GC07	B	07/23/22 22:23
465874-003	Aroclor-1254	SVOA-GC07	B	07/23/22 22:23
465874-003	Aroclor-1260	SVOA-GC07	B	07/23/22 22:23
465874-003	Aroclor-1262	SVOA-GC07	B	07/23/22 22:23
465874-003	Aroclor-1268	SVOA-GC07	B	07/23/22 22:23
465874-003	TCMX (PCB)	SVOA-GC07	B	07/23/22 22:23
465874-003	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/23/22 22:23
465874-005	Aroclor-1016	SVOA-GC07	B	07/23/22 22:41
465874-005	Aroclor-1221	SVOA-GC07	B	07/23/22 22:41
465874-005	Aroclor-1232	SVOA-GC07	B	07/23/22 22:41
465874-005	Aroclor-1242	SVOA-GC07	B	07/23/22 22:41
465874-005	Aroclor-1248	SVOA-GC07	B	07/23/22 22:41
465874-005	Aroclor-1254	SVOA-GC07	B	07/23/22 22:41
465874-005	Aroclor-1260	SVOA-GC07	B	07/23/22 22:41
465874-005	Aroclor-1262	SVOA-GC07	B	07/23/22 22:41
465874-005	Aroclor-1268	SVOA-GC07	B	07/23/22 22:41
465874-005	TCMX (PCB)	SVOA-GC07	B	07/23/22 22:41
465874-005	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/23/22 22:41
QC1001814	Aroclor-1016	SVOA-GC07	B	07/23/22 21:13
QC1001814	Aroclor-1221	SVOA-GC07	B	07/23/22 21:13
QC1001814	Aroclor-1232	SVOA-GC07	B	07/23/22 21:13
QC1001814	Aroclor-1242	SVOA-GC07	B	07/23/22 21:13
QC1001814	Aroclor-1248	SVOA-GC07	B	07/23/22 21:13
QC1001814	Aroclor-1254	SVOA-GC07	B	07/23/22 21:13
QC1001814	Aroclor-1260	SVOA-GC07	B	07/23/22 21:13
QC1001814	Aroclor-1262	SVOA-GC07	B	07/23/22 21:13
QC1001814	Aroclor-1268	SVOA-GC07	B	07/23/22 21:13
QC1001814	TCMX (PCB)	SVOA-GC07	B	07/23/22 21:13
QC1001814	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/23/22 21:13
QC1001815	Aroclor-1016	SVOA-GC07	B	07/23/22 21:31
QC1001815	Aroclor-1260	SVOA-GC07	B	07/23/22 21:31
QC1001815	TCMX (PCB)	SVOA-GC07	B	07/23/22 21:31
QC1001815	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/23/22 21:31
QC1001816	Aroclor-1016	SVOA-GC07	B	07/23/22 21:48

REPORTING SUMMARY FOR 465874 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
QC1001816	Aroclor-1260	SVOA-GC07	B	07/23/22 21:48
QC1001816	TCMX (PCB)	SVOA-GC07	B	07/23/22 21:48
QC1001816	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/23/22 21:48

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	465874-001	Client ID:	DOOR-N-0.1GW-INT-17 TO 18-220716-P-CB
Seqnum:	462294741022.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_072322022	Batch:	293412	Time:	23-JUL-2022 22:06
Cal:	462293080002	Caldate:	22-JUL-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	8.251	ug/L	ND	1.0	145%	1.0		u
Aroclor-1016 Peak # 1	B	11.40	ug/L	0.23	1.47	146%			
Aroclor-1016 Peak # 2	B	1.147	ug/L	0.02	ND	-216%			
Aroclor-1016 Peak # 3	B	27.51	ug/L	0.55	0.87	45%			
Aroclor-1016 Peak # 4	B	0.4608	ug/L	0.01	0.03	99%			
Aroclor-1016 Peak # 5	B	0.7406	ug/L	0.01	3.43	198%			
Aroclor-1221	B			ND			1.0		u
Aroclor-1232	B			ND			1.0		u
Aroclor-1242	B			ND			1.0		u
Aroclor-1248	B			ND			1.0		u
Aroclor-1254	B			ND			1.0		u
Aroclor-1260	B	5.912	ug/L	ND	0.63	137%	1.0		u
Aroclor-1260 Peak # 1	B	4.310	ug/L	0.09	0.28	106%			
Aroclor-1260 Peak # 2	B	5.460	ug/L	0.11	0.04	86%			
Aroclor-1260 Peak # 3	B	7.339	ug/L	0.15	0.21	36%			
Aroclor-1260 Peak # 4	B	2.028	ug/L	0.04	1.10	186%			
Aroclor-1260 Peak # 5	B	10.42	ug/L	0.21	1.53	152%			
Aroclor-1262	B			ND			1.0		u
Aroclor-1268	B			ND			1.0		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	37.07	pg/uL	1.000	0.7414	74	52-186	c- u
Decachlorobiphenyl (PCB)	B	34.71	pg/uL	1.000	0.6943	69	50-150	c- u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_072322004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1700652	1595851	-6.16
1-bromo-2-nitrobenzene (PCB)	A	4666126	4393837	-5.84

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_072322004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.46	4.46	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

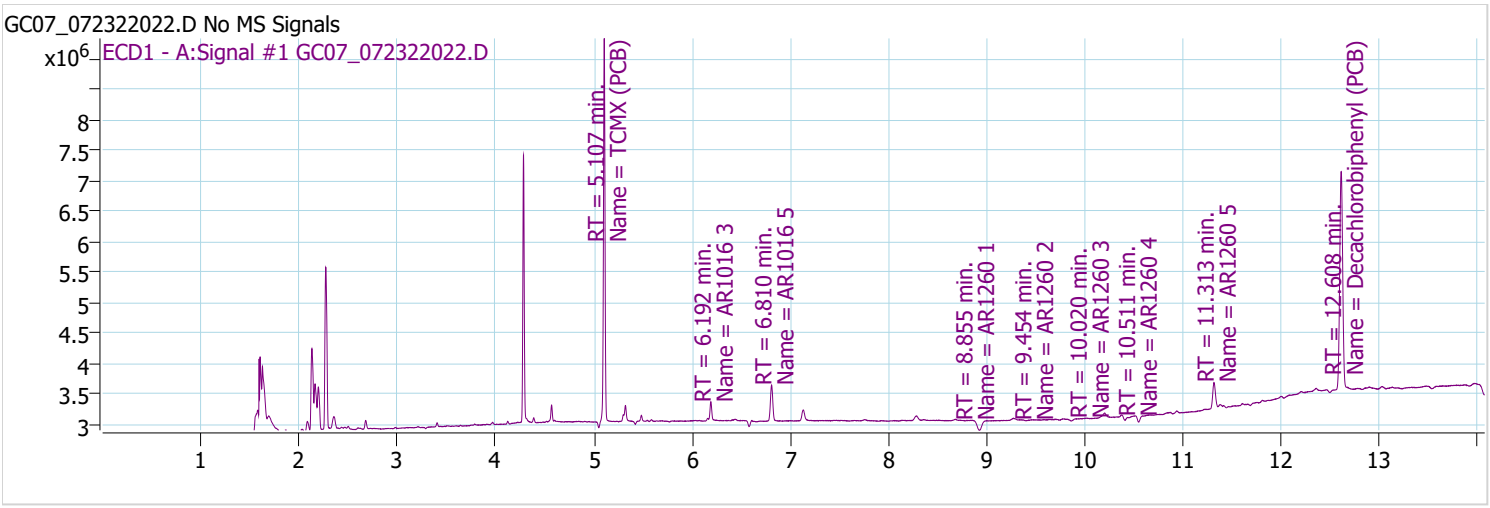
-=low bias c=CCV u=use

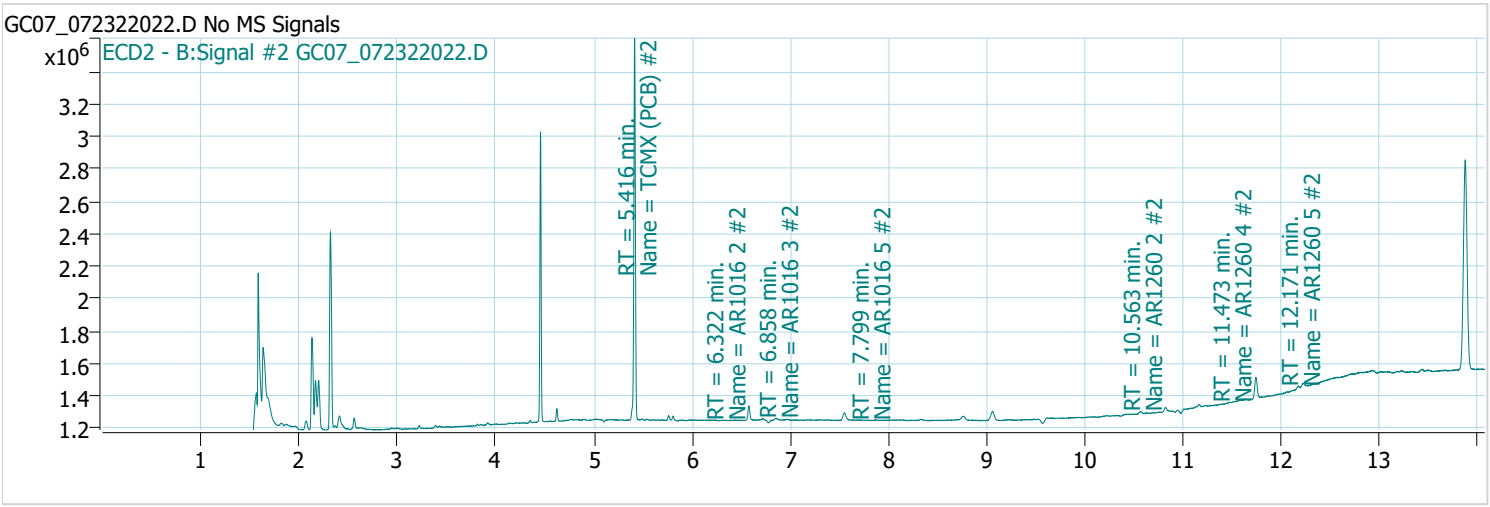
Analyst: TRN 07/25/22 *

Reviewer: SLL 07/25/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_072322022.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/23/2022 10:06:23 PM
Sample Name	465874-001, 293412, 1	Instrument	SVOA-GC07
Vial	4	Multiplier	1.00
DA Method File	PCB_608_072222_GC07_1.m	Comment	WIPE/1S-20 ML
Tune File	ATUNE.U	Tune Date	
Batch Name	072322PCB.batch.bin	Last Calib Update	7/23/2022 5:05:17 PM
Ref Library			



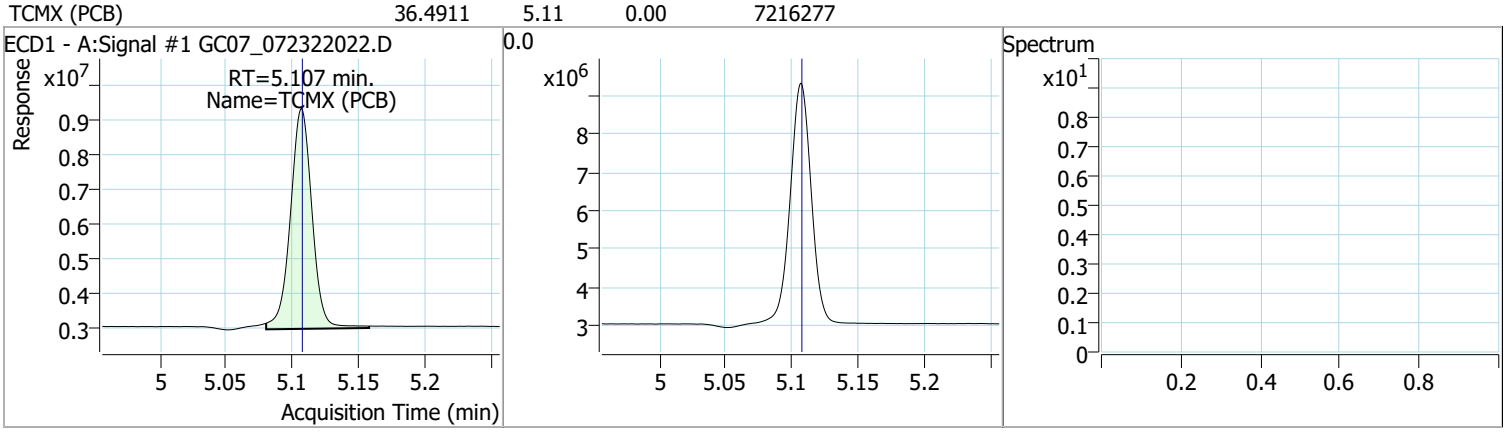


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.285	0.0	4393836.500	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.458	0.0	1595850.694	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.107	0.0	7216277.420	36.4911	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 182.46%		*	
S TCMX (PCB) #2	5.416	0.0	2626173.093	37.0478	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 185.24%		*	
S Decachlorobiphenyl (PCB)	12.608	0.0	7793886.129	36.5540	ng/ml		0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 182.77%		*	
S Decachlorobiphenyl (PCB) #2	13.871	0.0	3348895.489	34.6959	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 173.48%		*	
Target Compounds							QValue

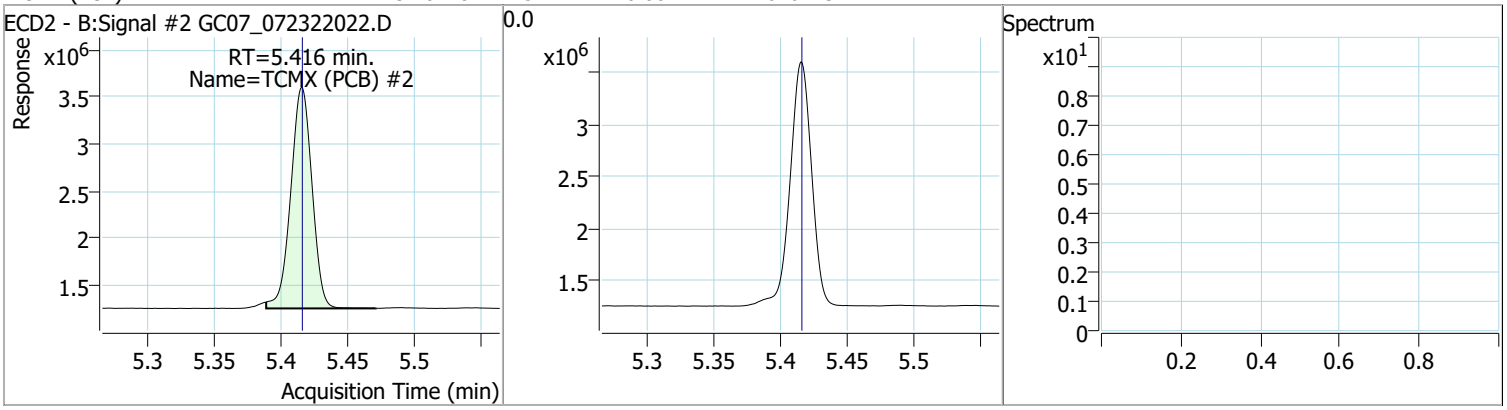
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.485	0.0	302159.223	73.3192	ng/ml	100
T AR1016 2	5.822	0.0	35654.924	0.0000	ng/ml	100
T AR1016 1 #2	5.895	0.0	16911.587	11.3943	ng/ml	100
T AR1016 3	6.192	0.0	435546.969	43.2813	ng/ml	100
T AR1016 2 #2	6.322	0.0	3704.473	1.1460	ng/ml	100
T AR1016 4	6.413	0.0	9405.717	1.3579	ng/ml	100
T AR1016 5	6.810	0.0	1013364.568	171.3930	ng/ml	100
T AR1016 3 #2	6.858	0.0	107770.710	27.4919	ng/ml	100
T AR1016 4 #2	7.060	0.0	1301.894	0.4605	ng/ml	100
T AR1016 5 #2	7.799	0.0	1628.922	0.7402	ng/ml	100
T AR1260 1	8.855	0.0	531840.865	13.9106	ng/ml	100
T AR1260 2	9.454	0.0	42034.580	2.1689	ng/ml	100
T AR1260 3	10.020	0.0	198370.184	10.5576	ng/ml	100
T AR1260 1 #2	10.220	0.0	20077.744	4.3073	ng/ml	100
T AR1260 4	10.511	0.0	498474.484	54.9133	ng/ml	100
T AR1260 2 #2	10.563	0.0	30126.569	5.4578	ng/ml	100
T AR1260 3 #2	11.062	0.0	52715.496	7.3348	ng/ml	100
T AR1260 5	11.313	0.0	861829.655	76.2635	ng/ml	100
T AR1260 4 #2	11.473	0.0	7933.295	2.0269	ng/ml	100
T AR1260 5 #2	12.171	0.0	30530.700	10.3930	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

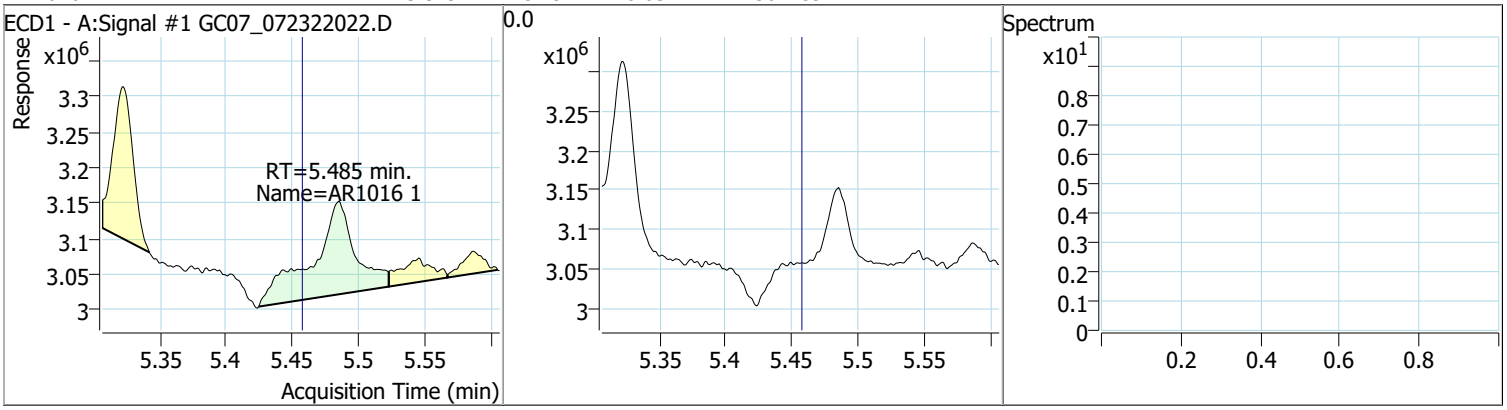
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	36.4911	5.11	0.00	7216277				



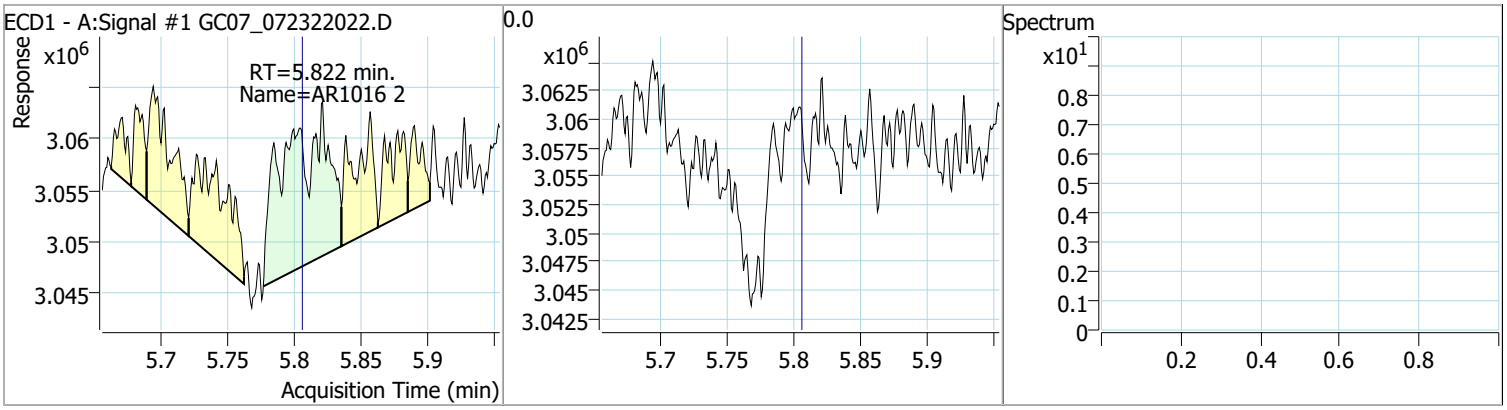
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.0478	5.42	0.00	2626173				



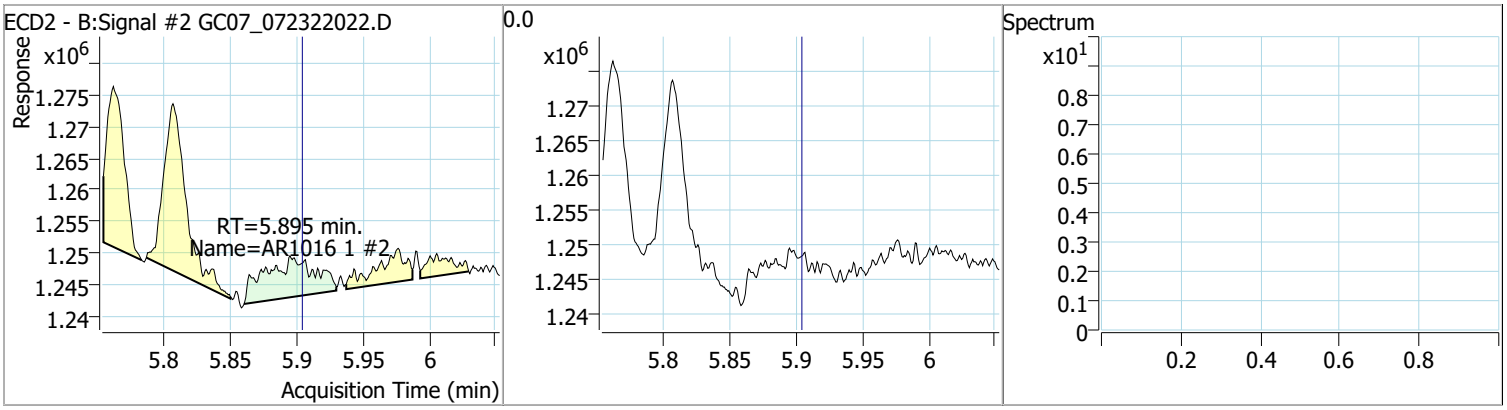
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	73.3192	5.49	0.03	302159				



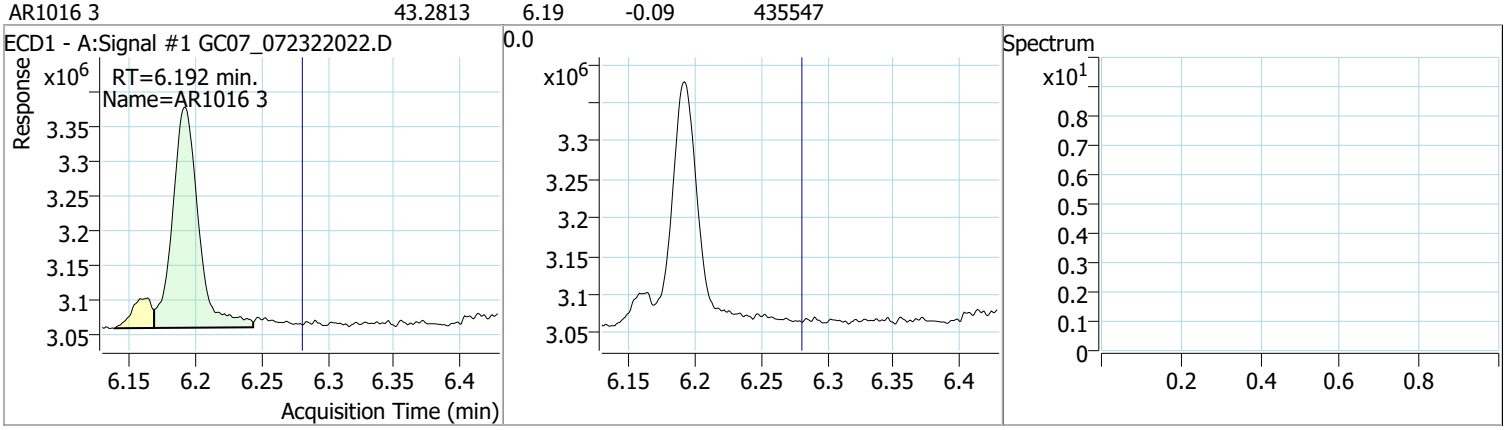
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.82	0.02	35655				



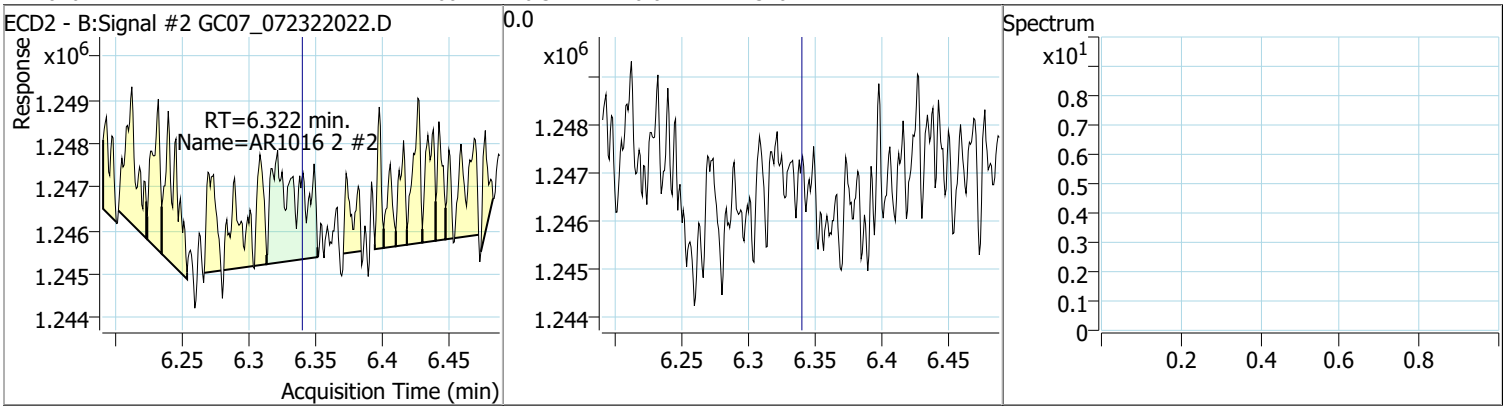
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	11.3943	5.90	-0.01	16912				



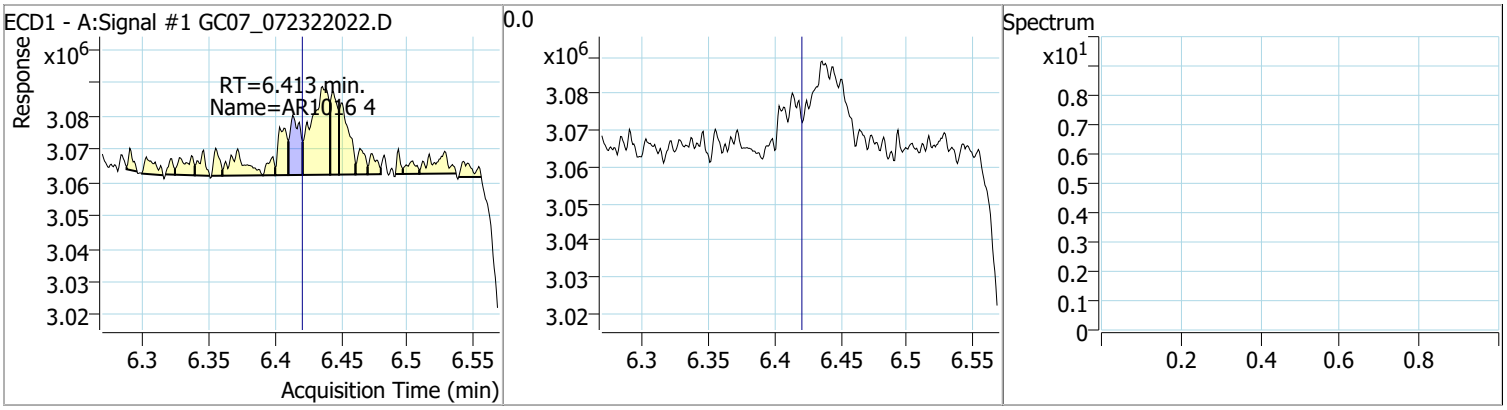
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	43.2813	6.19	-0.09	435547				



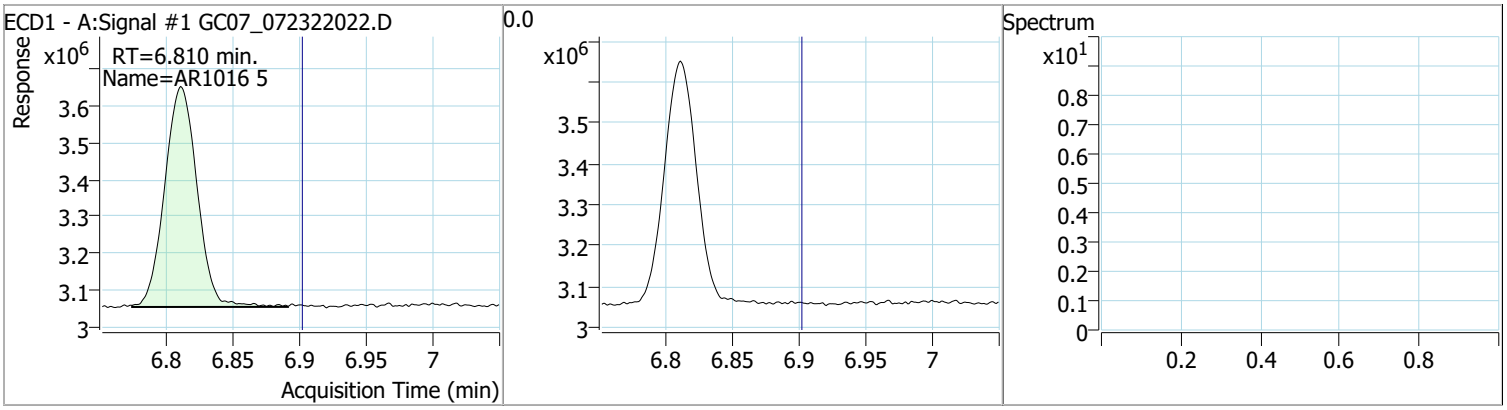
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1.1460	6.32	-0.02	3704				



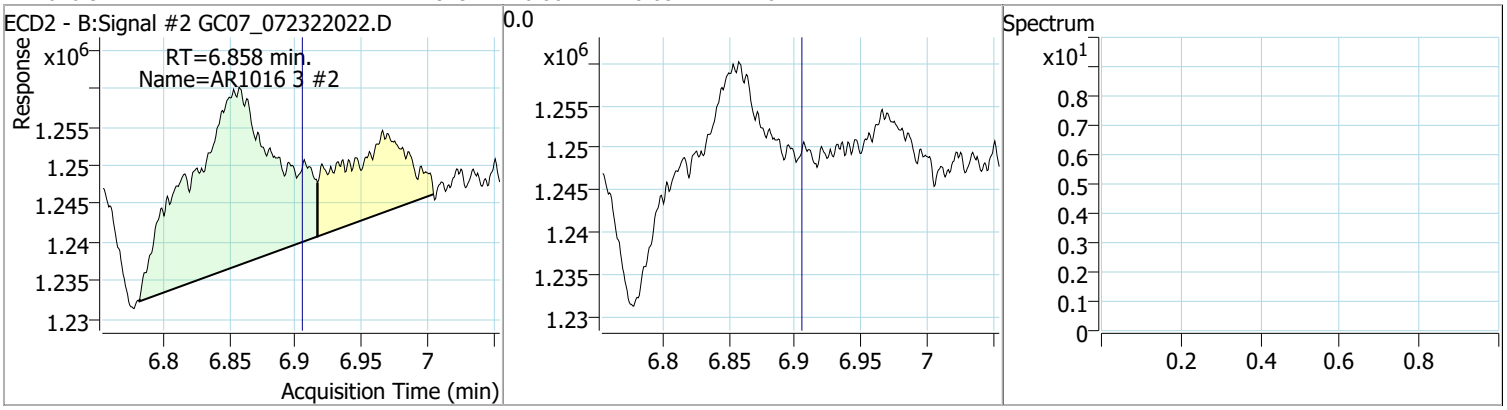
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1.3579	6.41	0.00	9406				



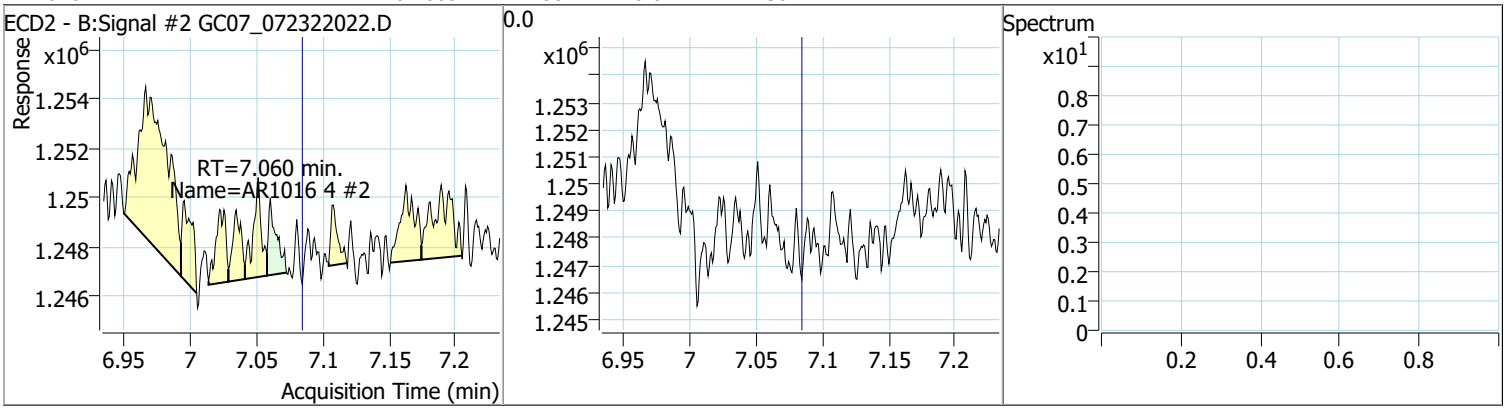
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	171.3930	6.81	-0.09	1013365				



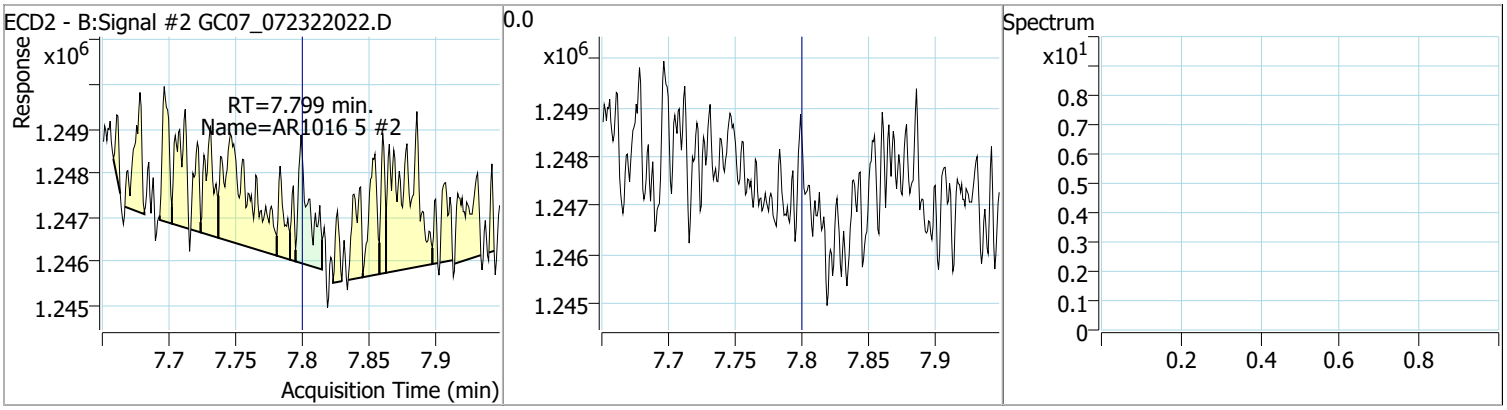
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	27.4919	6.86	-0.05	107771				



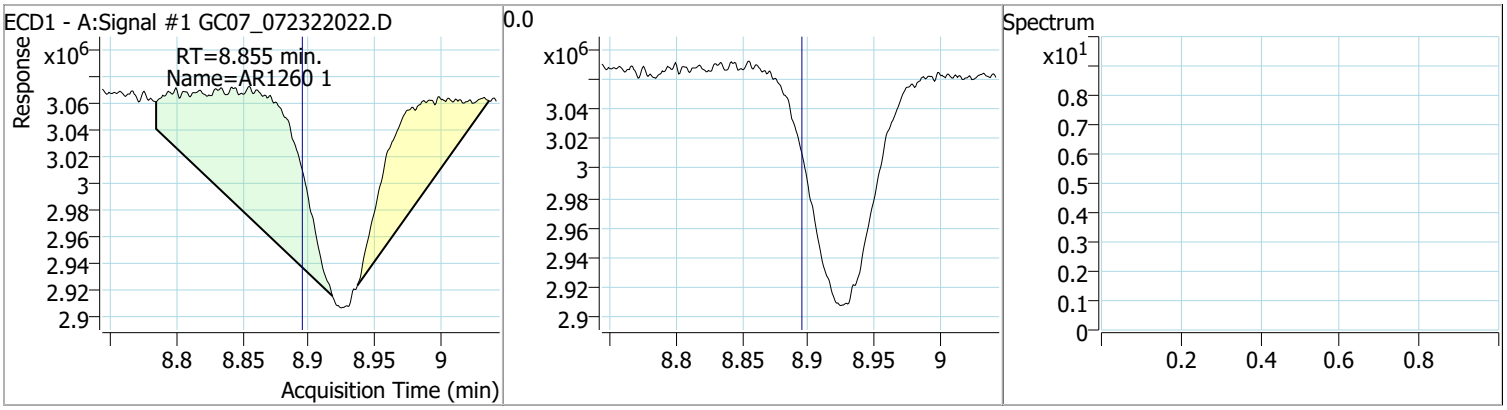
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.4605	7.06	-0.02	1302				



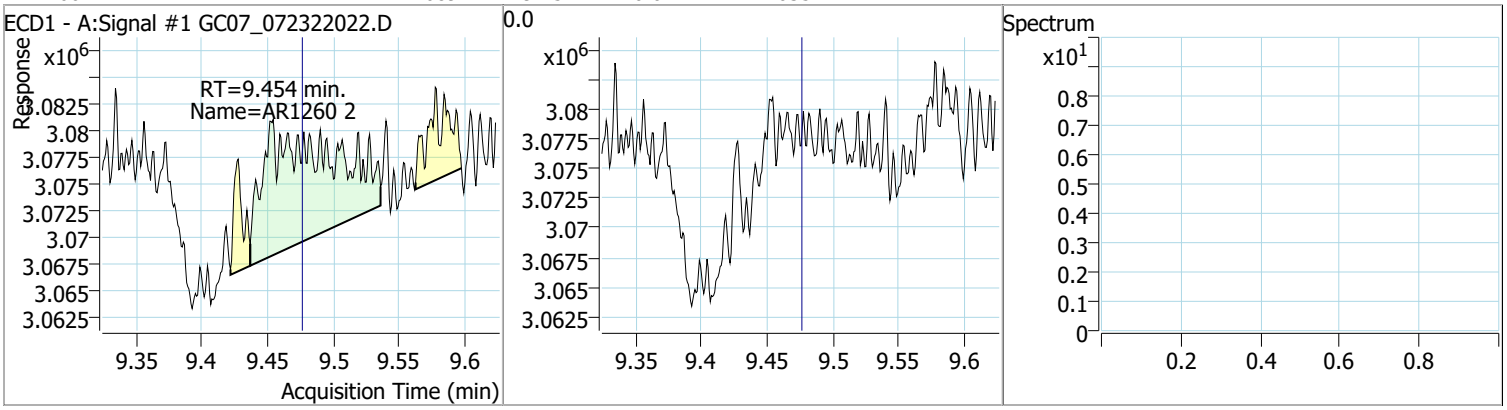
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.7402	7.80	0.00	1629				



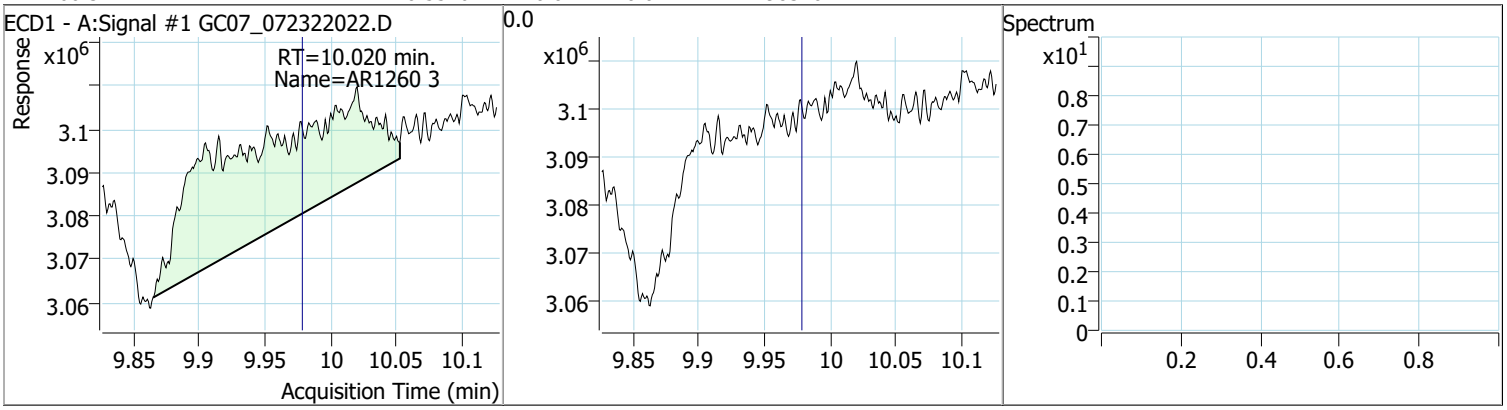
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	13.9106	8.86	-0.04	531841				



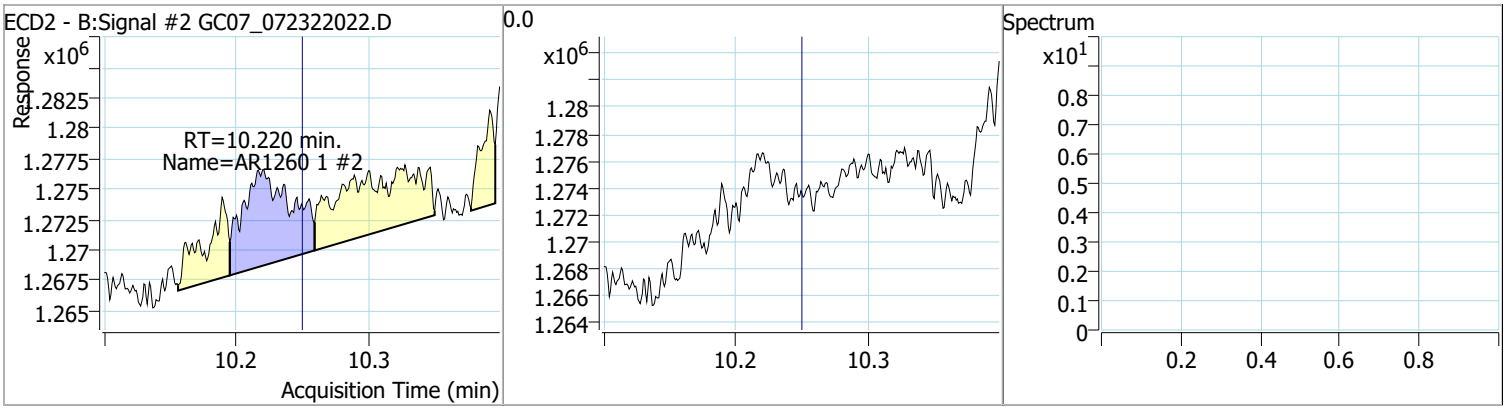
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.1689	9.45	-0.02	42035				



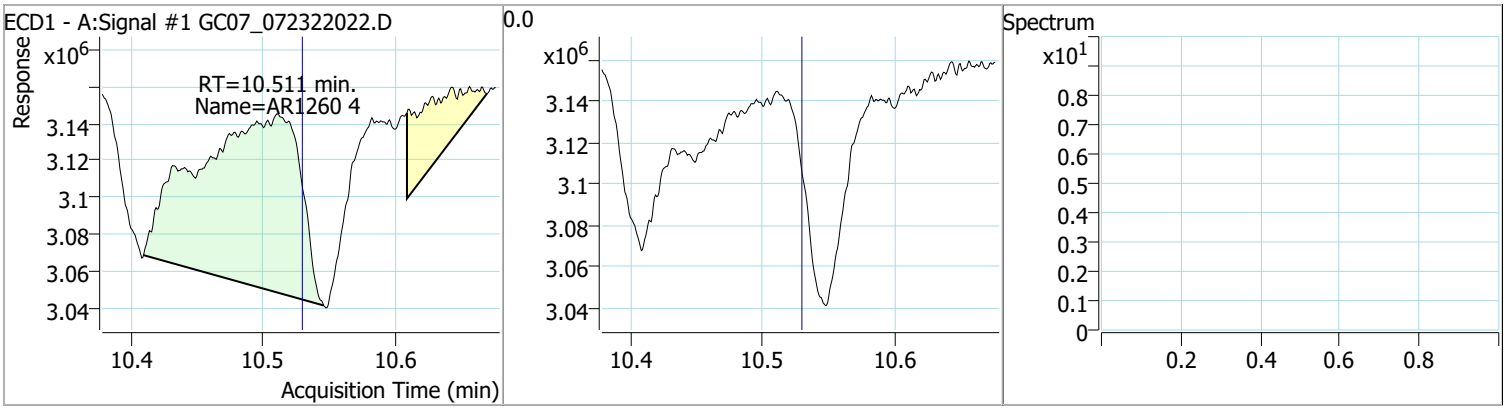
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	10.5576	10.02	0.04	198370				



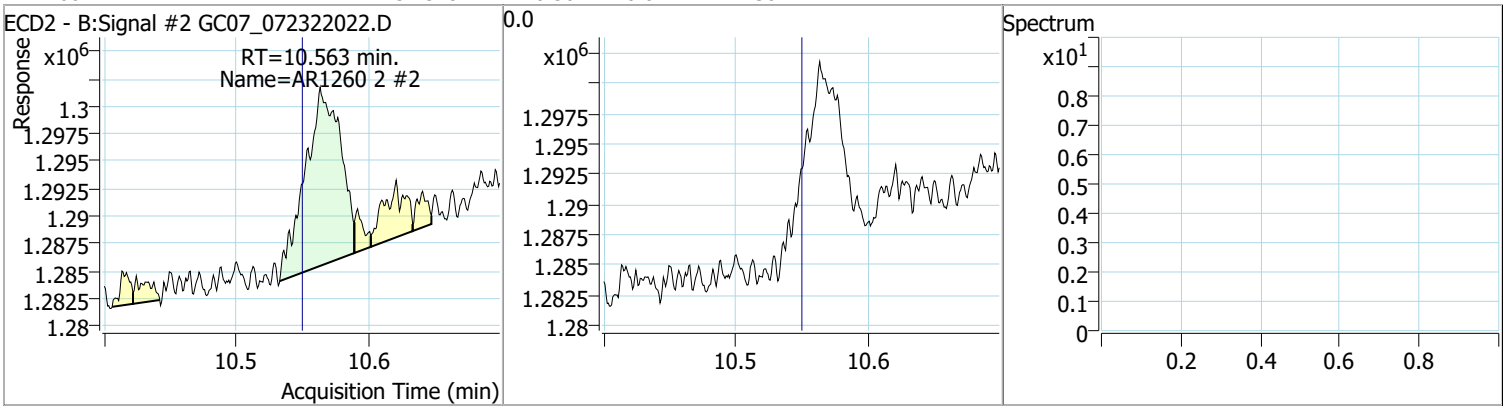
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	4.3073	10.22	-0.03	20078				



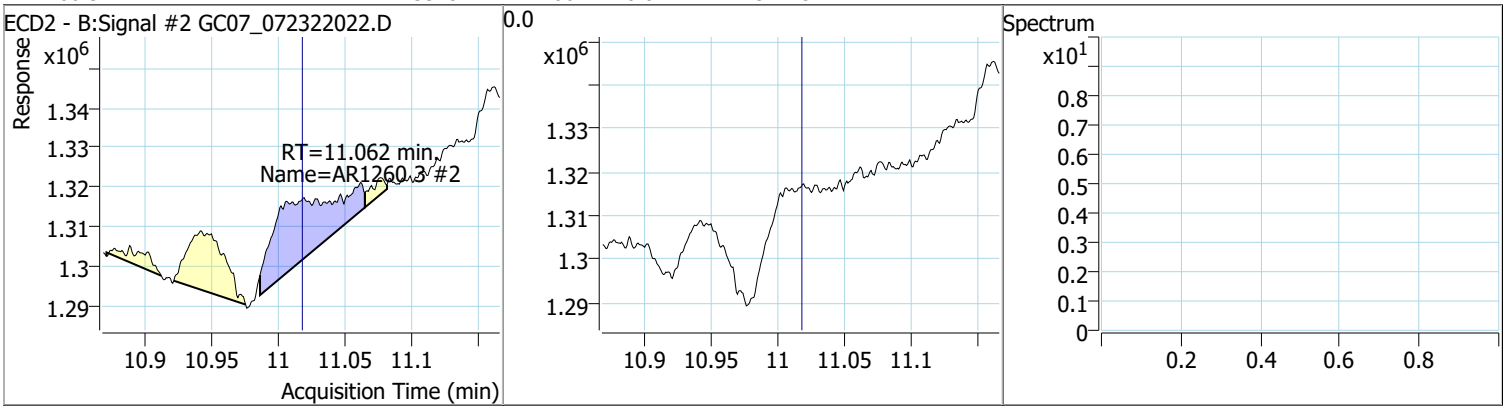
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	54.9133	10.51	-0.02	498474				



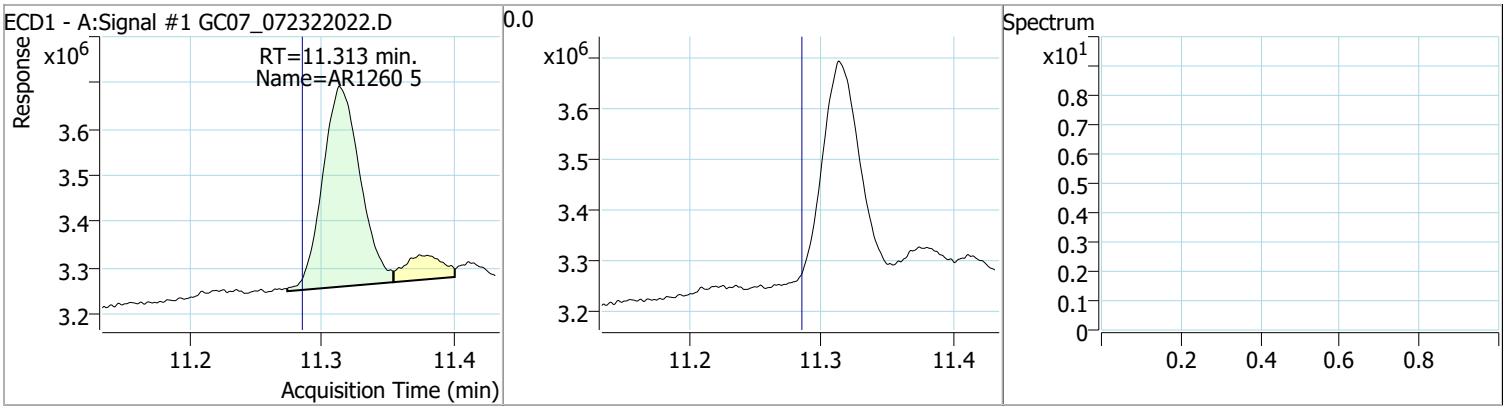
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	5.4578	10.56	0.01	30127				



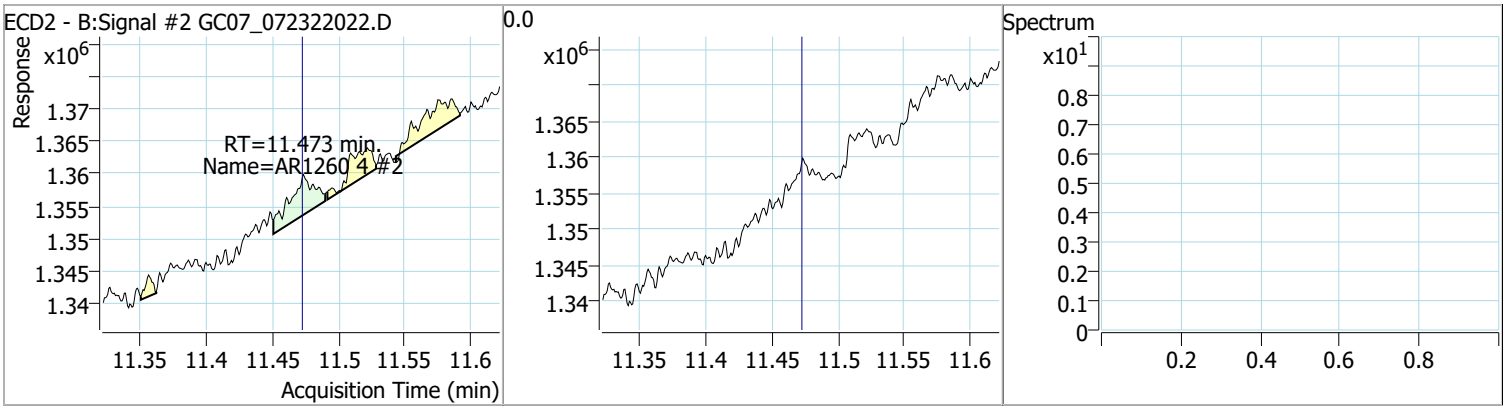
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.3348	11.06	0.04	52715				



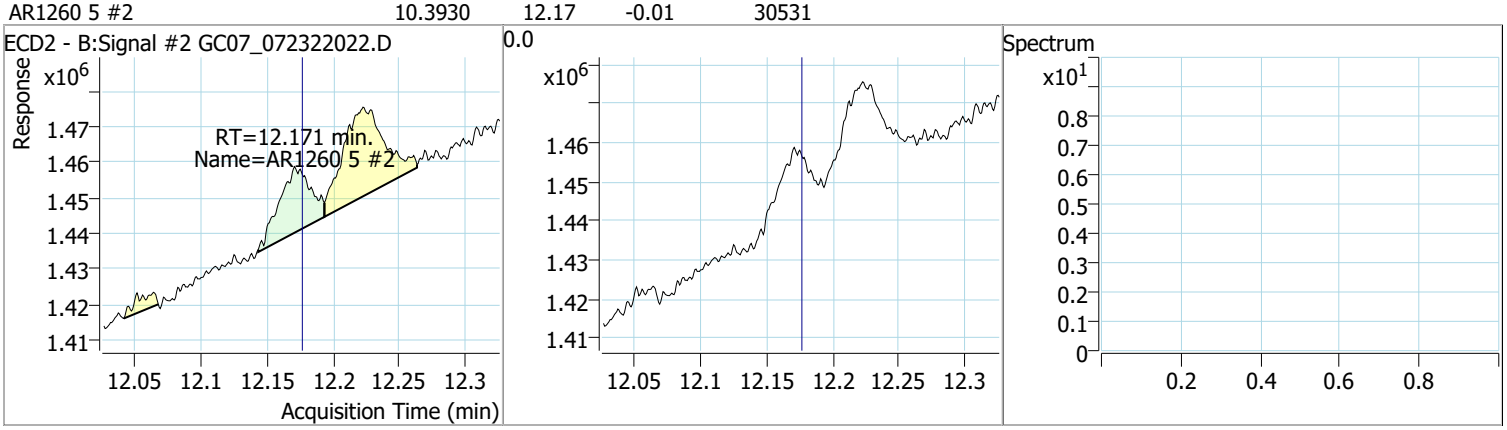
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	76.2635	11.31	0.03	861830				



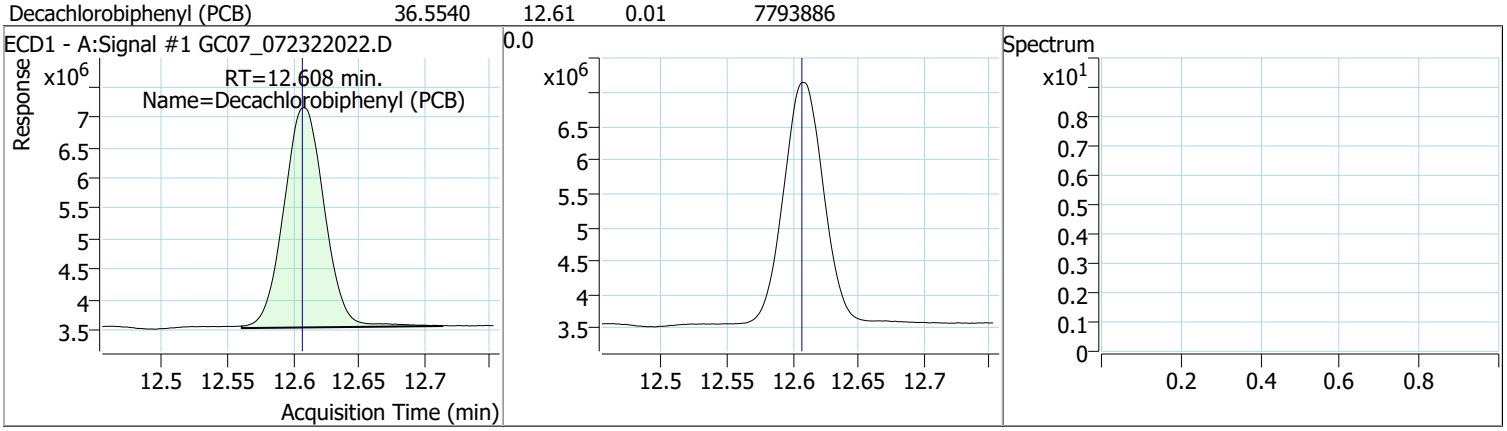
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	2.0269	11.47	0.00	7933				



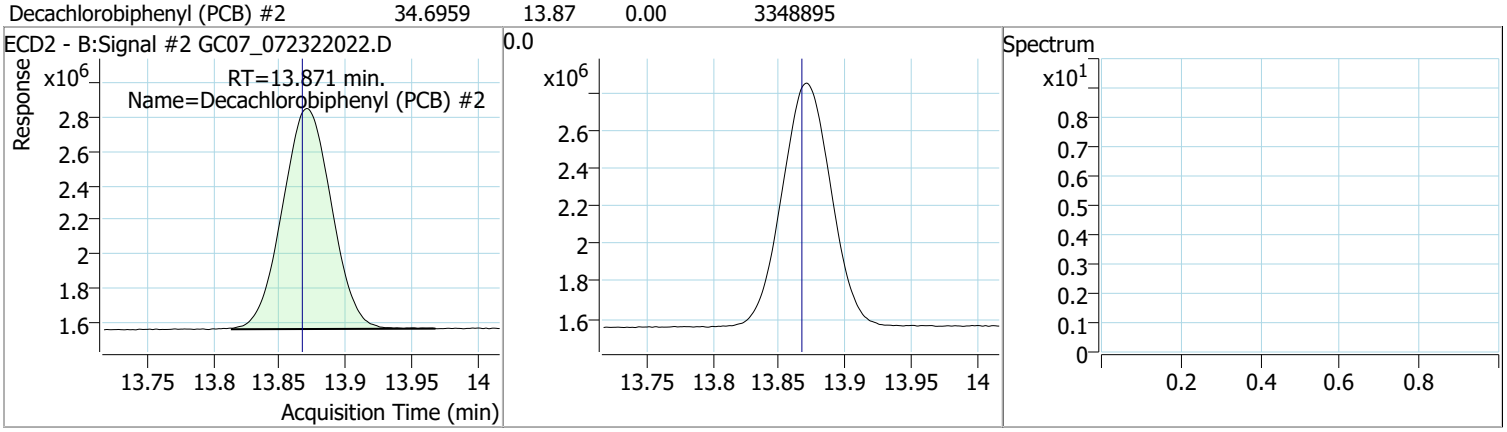
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	10.3930	12.17	-0.01	30531				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	36.5540	12.61	0.01	7793886				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	34.6959	13.87	0.00	3348895				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	465874-003	Client ID:	DOOR-N-0.4GW-DG-4 TO 17-220716-P-LA
Seqnum:	462294741023.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_072322023	Batch:	293412	Time:	23-JUL-2022 22:23
Cal:	462293080002	Caldate:	22-JUL-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	9.238	ug/L	ND	0.48	90%	1.0		u
Aroclor-1016 Peak # 1	B	11.41	ug/L	0.23	0.12	66%			
Aroclor-1016 Peak # 2	B	0.3550	ug/L	0.01	ND	-204%			
Aroclor-1016 Peak # 3	B	32.17	ug/L	0.64	1.31	68%			
Aroclor-1016 Peak # 4	B	0.4098	ug/L	0.01	0.07	157%			
Aroclor-1016 Peak # 5	B	1.834	ug/L	0.04	1.58	191%			
Aroclor-1221	B			ND			1.0		u
Aroclor-1232	B			ND			1.0		u
Aroclor-1242	B			ND			1.0		u
Aroclor-1248	B			ND			1.0		u
Aroclor-1254	B			ND			1.0		u
Aroclor-1260	B	8.291	ug/L	ND	1.6	161%	1.0		u
Aroclor-1260 Peak # 1	B	6.049	ug/L	0.12	0.41	110%			
Aroclor-1260 Peak # 2	B	4.246	ug/L	0.08	0.07	18%			
Aroclor-1260 Peak # 3	B	5.844	ug/L	0.12	0.13	14%			
Aroclor-1260 Peak # 4	B	7.090	ug/L	0.14	1.03	151%			
Aroclor-1260 Peak # 5	B	18.23	ug/L	0.36	6.13	178%			
Aroclor-1262	B			ND			1.0		u
Aroclor-1268	B			ND			1.0		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	35.38	pg/uL	1.000	0.7077	71	52-186	c- u
Decachlorobiphenyl (PCB)	B	33.43	pg/uL	1.000	0.6686	67	50-150	c- u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_072322004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1700652	1549488	-8.89
1-bromo-2-nitrobenzene (PCB)	A	4666126	4340831	-6.97

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

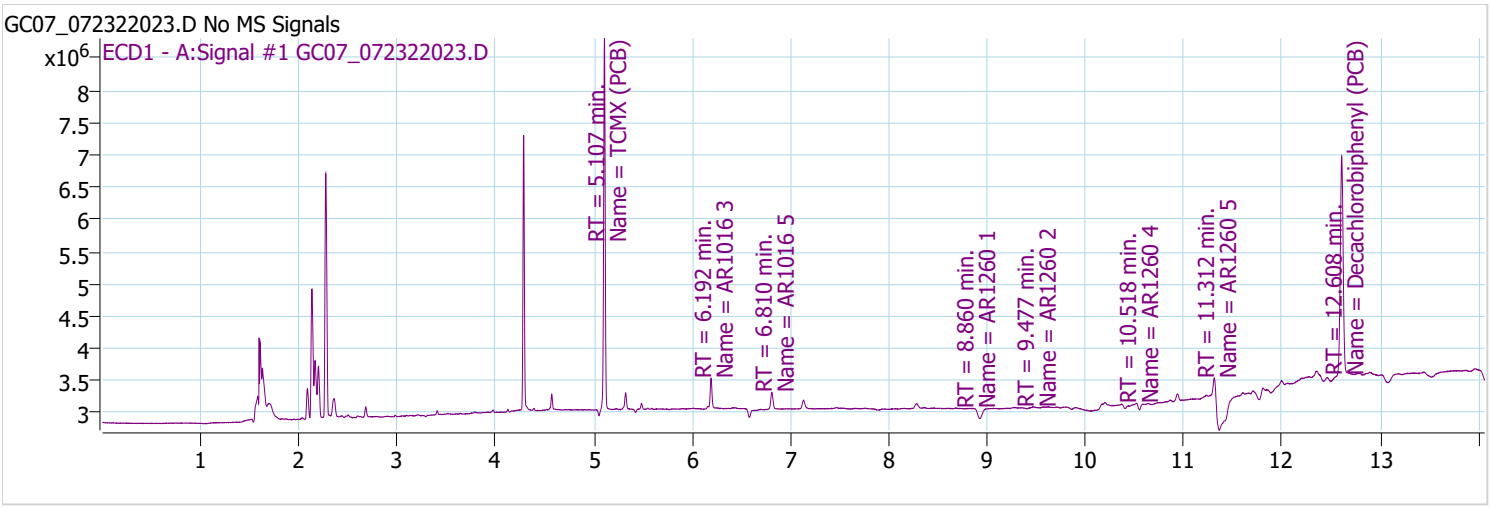
ISTD (CCV gc07_072322004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.46	4.46	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

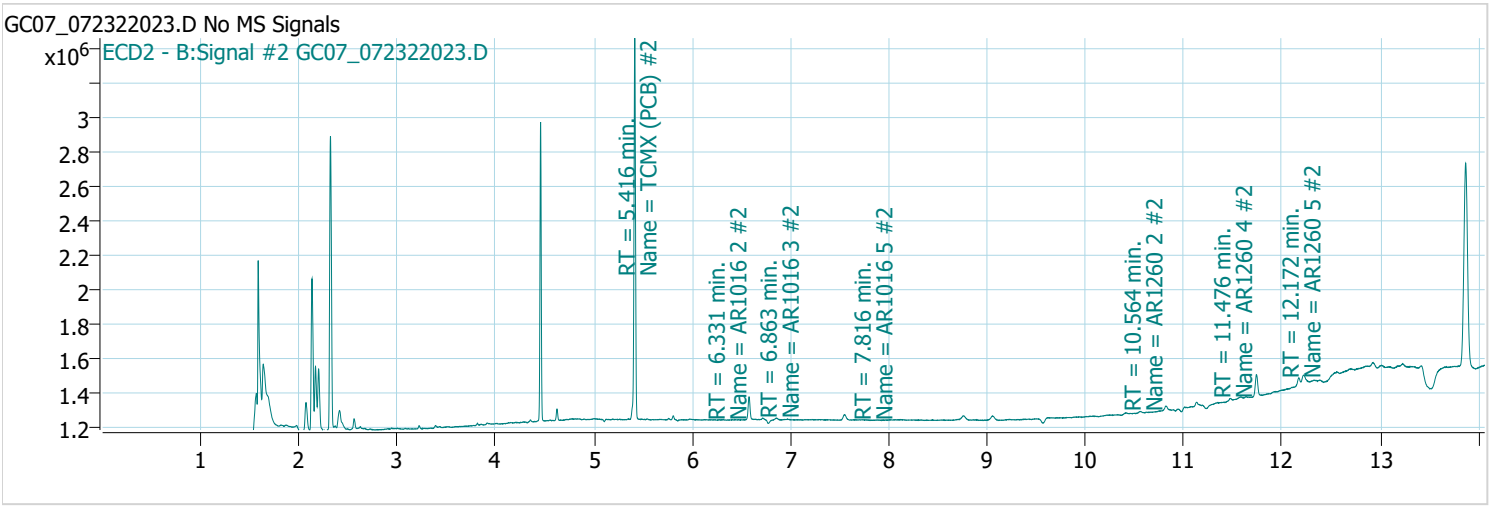
Analyst: TRN 07/25/22 *

Reviewer: SLL 07/25/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_072322023.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/23/2022 10:23:50 PM
Sample Name	465874-003, 293412, 1	Instrument	SVOA-GC07
Vial	5	Multiplier	1.00
DA Method File	PCB_608_072222_GC07_1.m	Comment	WIPE/1S-20 ML
Tune File	ATUNE.U	Tune Date	
Batch Name	072322PCB.batch.bin	Last Calib Update	7/23/2022 5:05:17 PM
Ref Library			



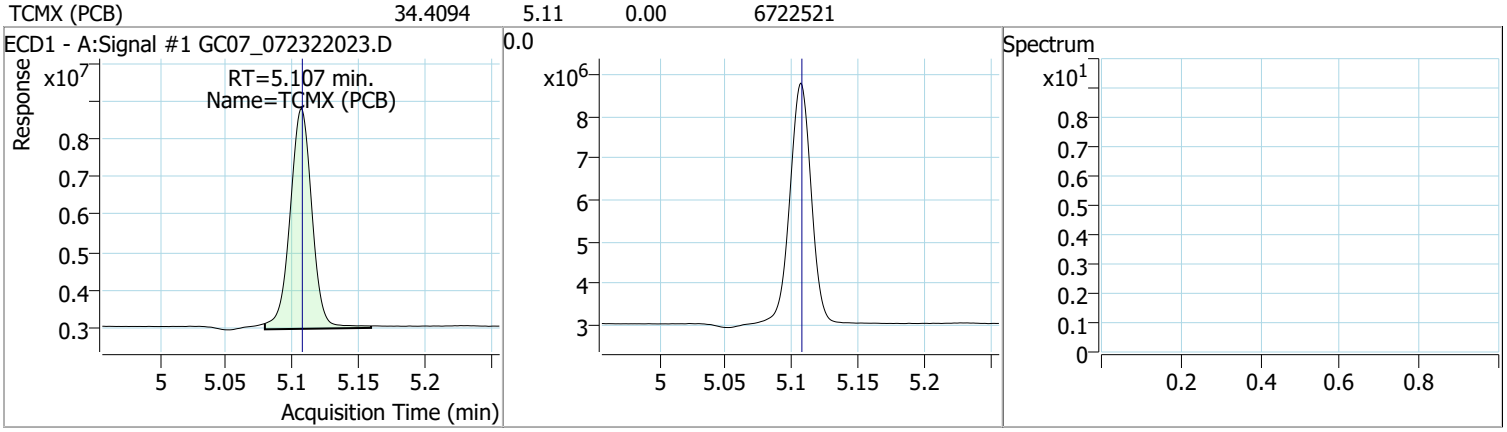


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.285	0.0	4340831.325	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.458	0.0	1549487.668	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.107	0.0	6722520.823	34.4094	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 172.05%		*	
S TCMX (PCB) #2	5.416	0.0	2434090.834	35.3655	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 176.83%		*	
S Decachlorobiphenyl (PCB)	12.608	0.0	7272809.755	34.5266	ng/ml		0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 172.63%		*	
S Decachlorobiphenyl (PCB) #2	13.870	0.0	3131425.628	33.4135	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 167.07%		*	
Target Compounds							QValue

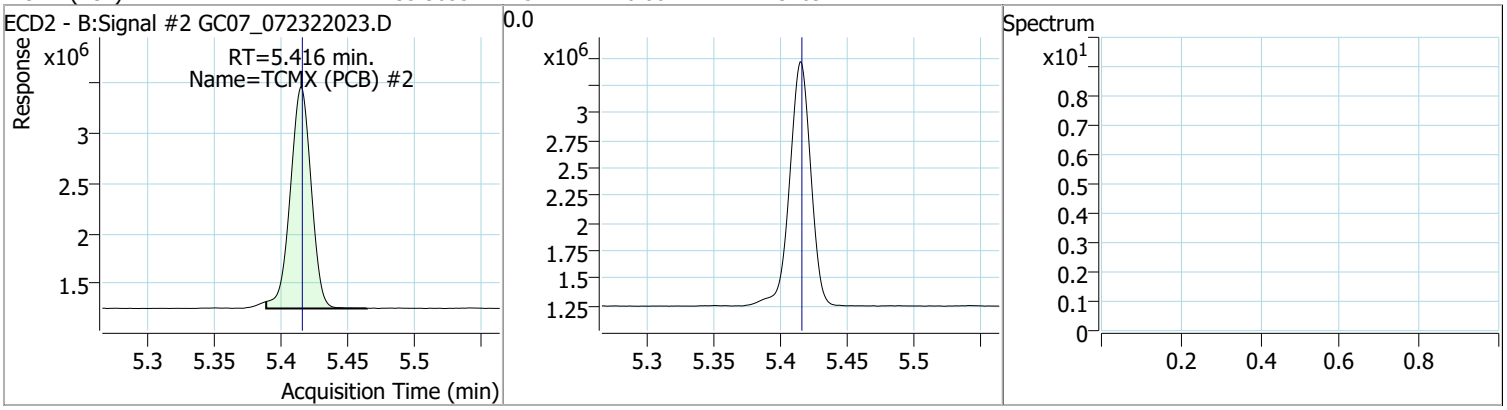
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.453	0.0	23513.838	5.7753	ng/ml	100
T AR1016 2	5.809	0.0	11959.451	0.0000	ng/ml	100
T AR1016 1 #2	5.895	0.0	16440.307	11.4082	ng/ml	100
T AR1016 3	6.192	0.0	649438.906	65.3243	ng/ml	100
T AR1016 2 #2	6.331	0.0	1113.629	0.3548	ng/ml	100
T AR1016 4	6.416	0.0	23161.688	3.3847	ng/ml	100
T AR1016 5	6.810	0.0	461410.487	78.9925	ng/ml	100
T AR1016 3 #2	6.863	0.0	122400.204	32.1581	ng/ml	100
T AR1016 4 #2	7.085	0.0	1124.375	0.4096	ng/ml	100
T AR1016 5 #2	7.816	0.0	3916.907	1.8331	ng/ml	100
T AR1260 1	8.860	0.0	588829.789	20.6398	ng/ml	100
T AR1260 2	9.477	0.0	67956.366	3.5492	ng/ml	100
T AR1260 3	9.902	0.0	124850.074	6.7259	ng/ml	100
T AR1260 1 #2	10.270	0.0	27363.105	6.0459	ng/ml	100
T AR1260 4	10.518	0.0	459892.579	51.2817	ng/ml	100
T AR1260 2 #2	10.564	0.0	22747.568	4.2443	ng/ml	100
T AR1260 3 #2	11.012	0.0	40757.683	5.8407	ng/ml	100
T AR1260 5	11.312	0.0	3420388.751	306.3670	ng/ml	100
T AR1260 4 #2	11.476	0.0	26930.325	7.0863	ng/ml	100
T AR1260 5 #2	12.172	0.0	72471.395	18.1883	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

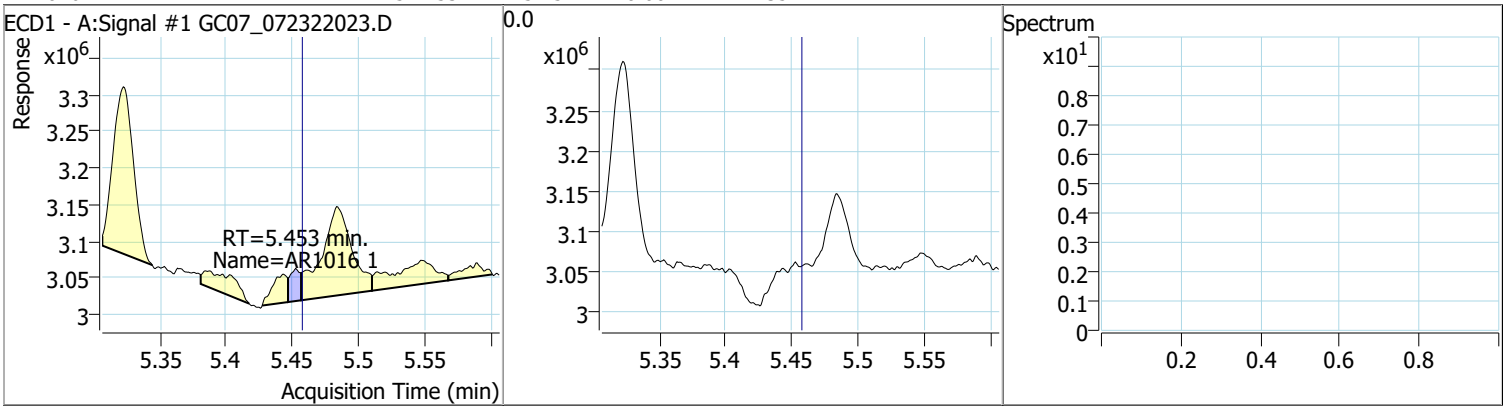
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	34.4094	5.11	0.00	6722521				



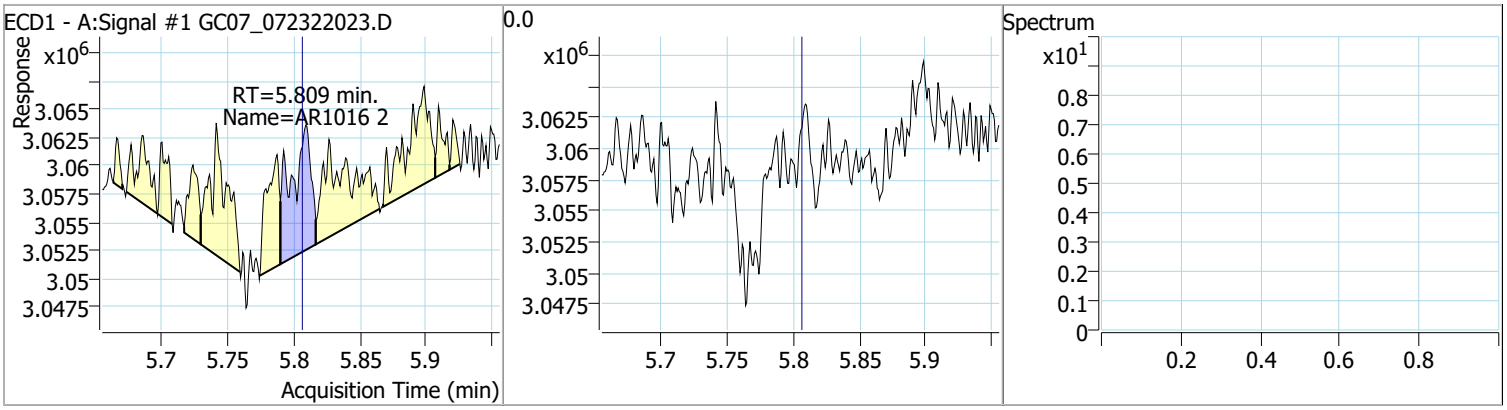
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.3655	5.42	0.00	2434091				



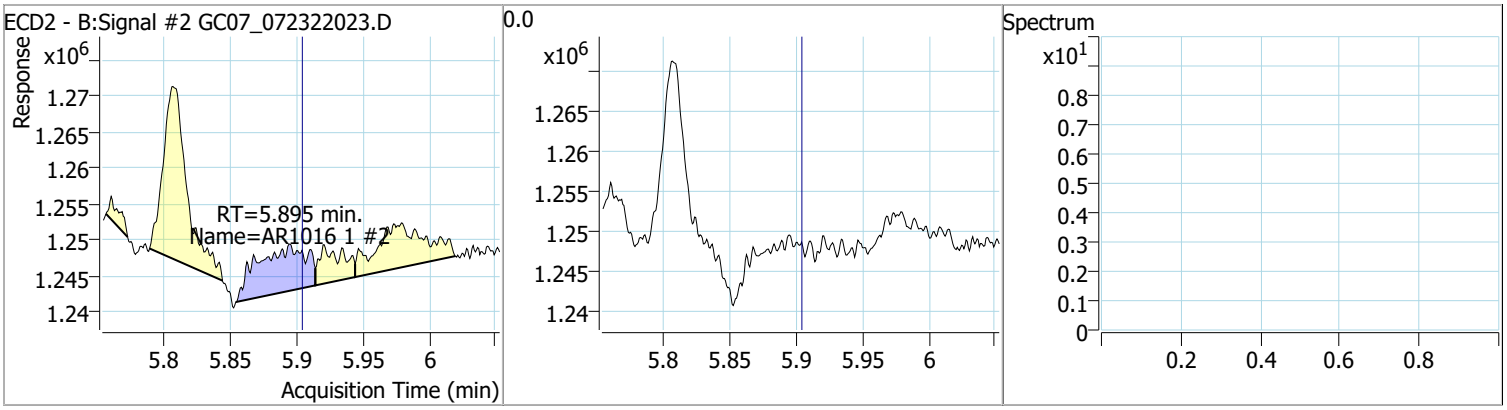
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	5.7753	5.45	0.00	23514				



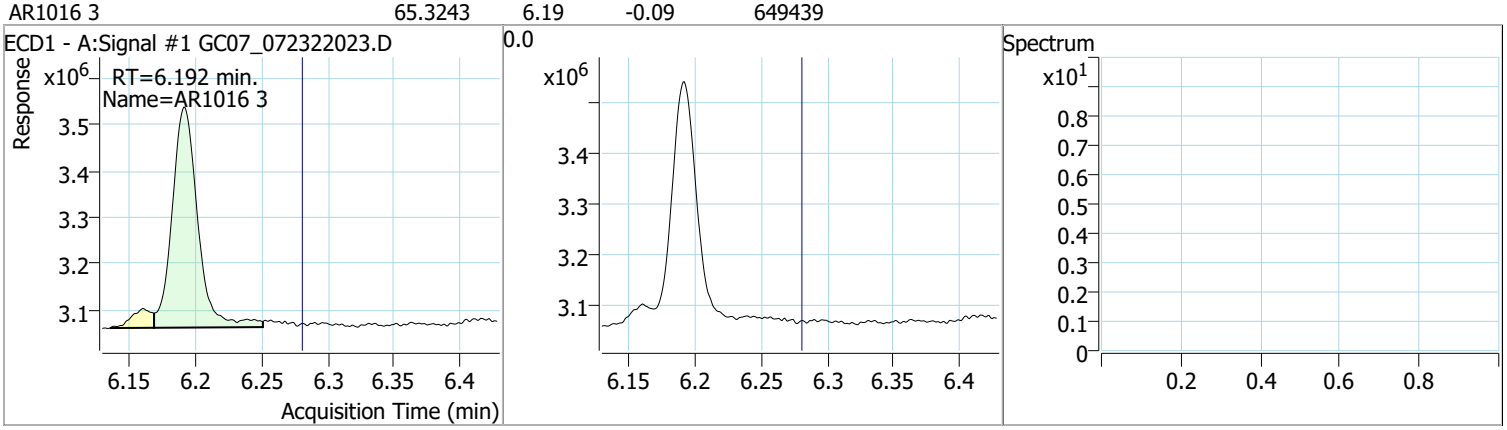
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.81	0.01	11959				



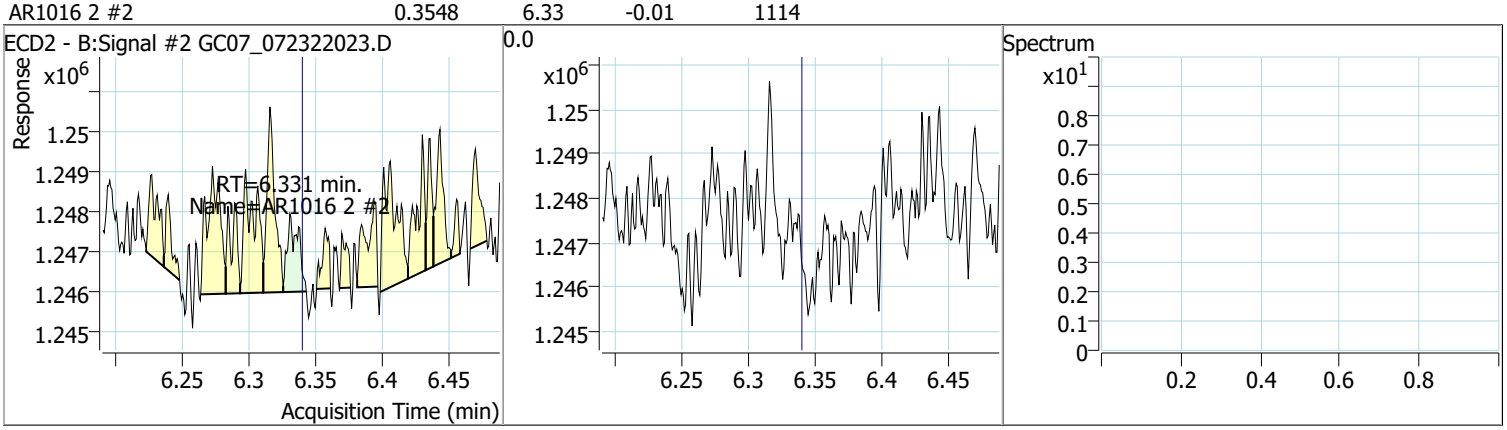
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	11.4082	5.90	-0.01	16440				



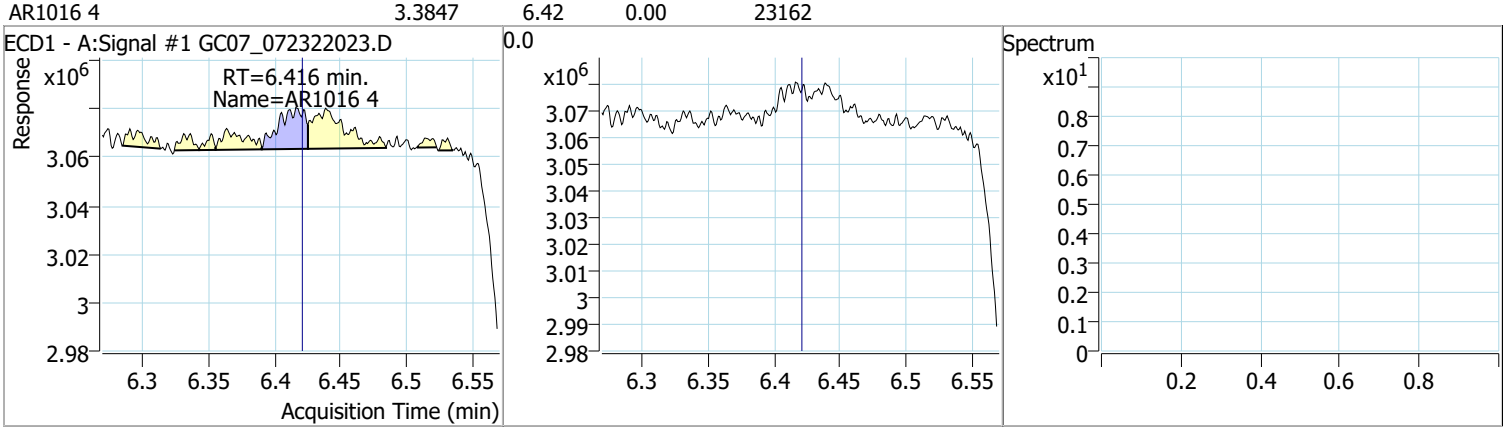
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	65.3243	6.19	-0.09	649439				



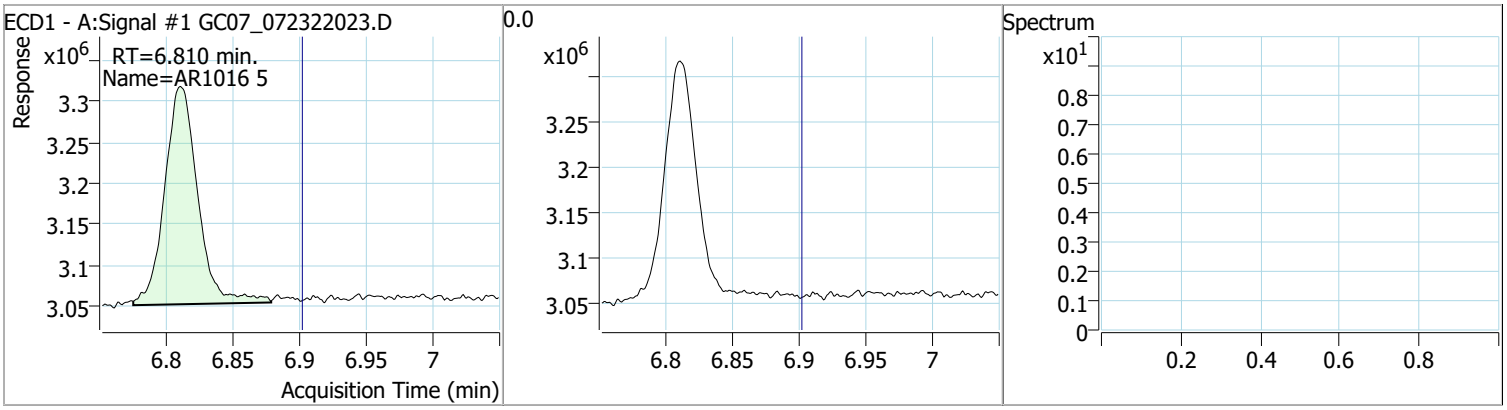
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	0.3548	6.33	-0.01	1114				



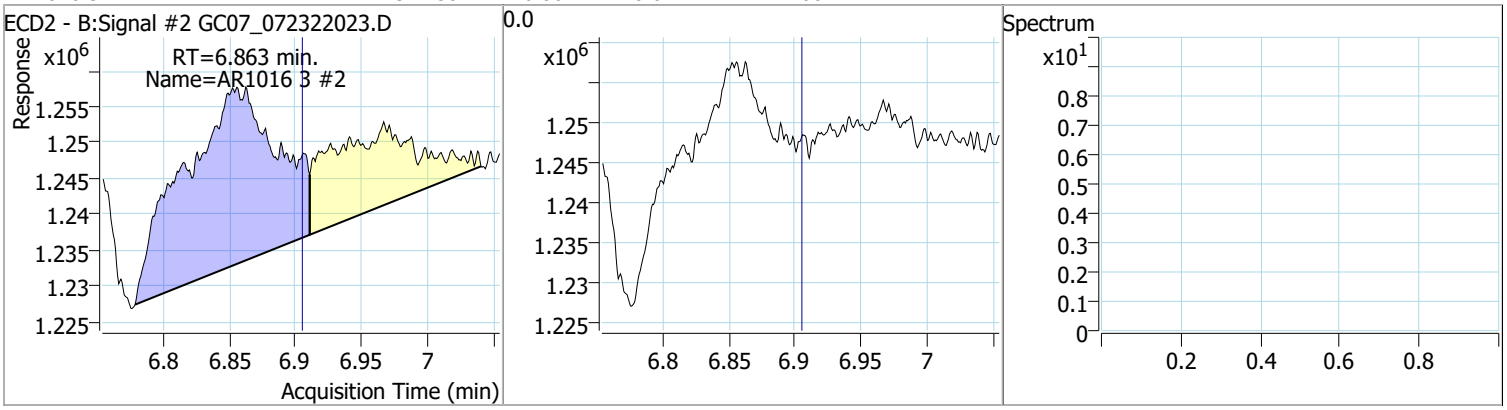
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	3.3847	6.42	0.00	23162				



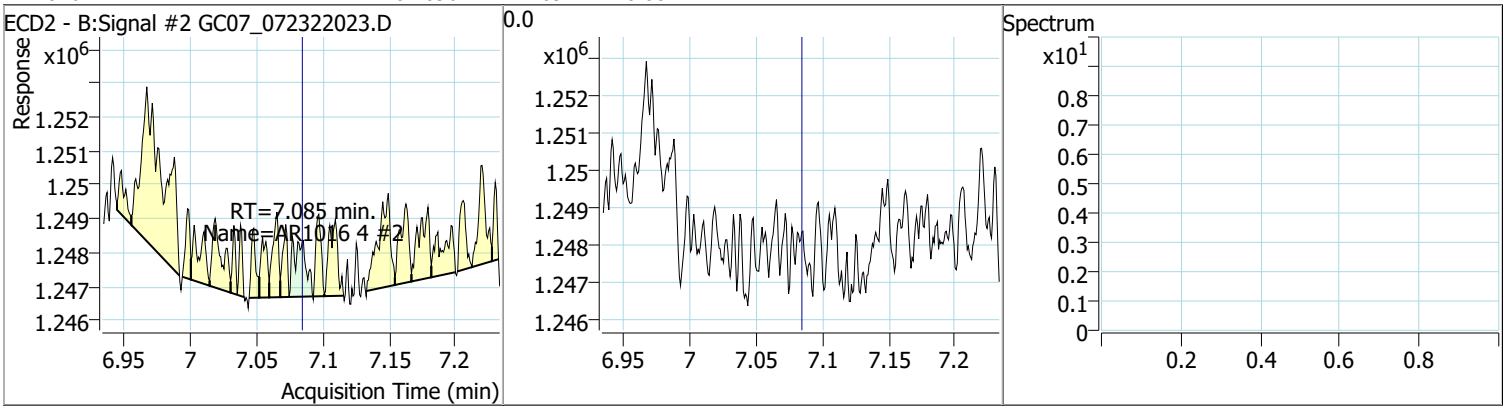
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	78.9925	6.81	-0.09	461410				



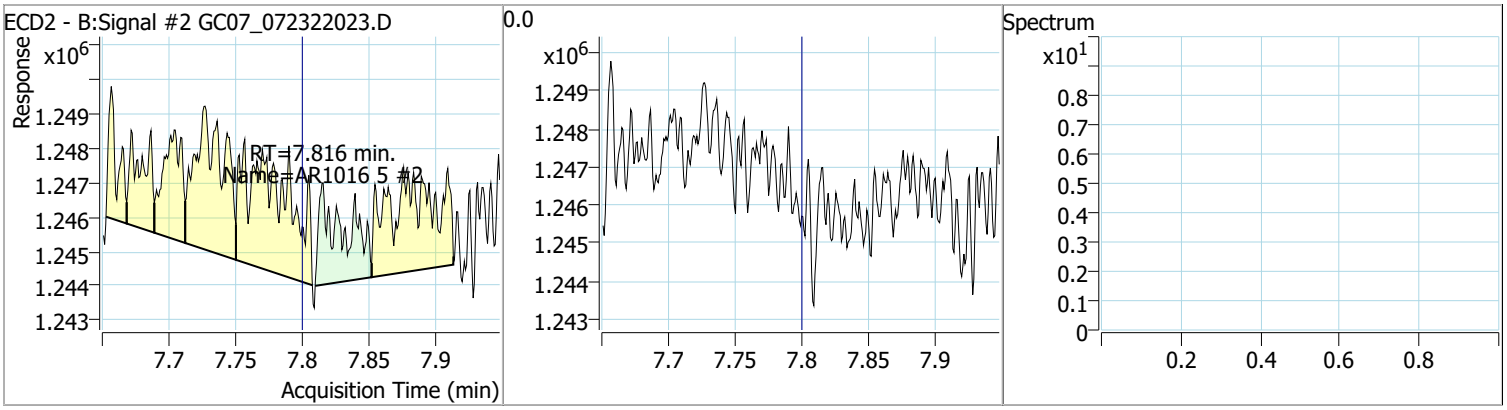
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	32.1581	6.86	-0.04	122400				



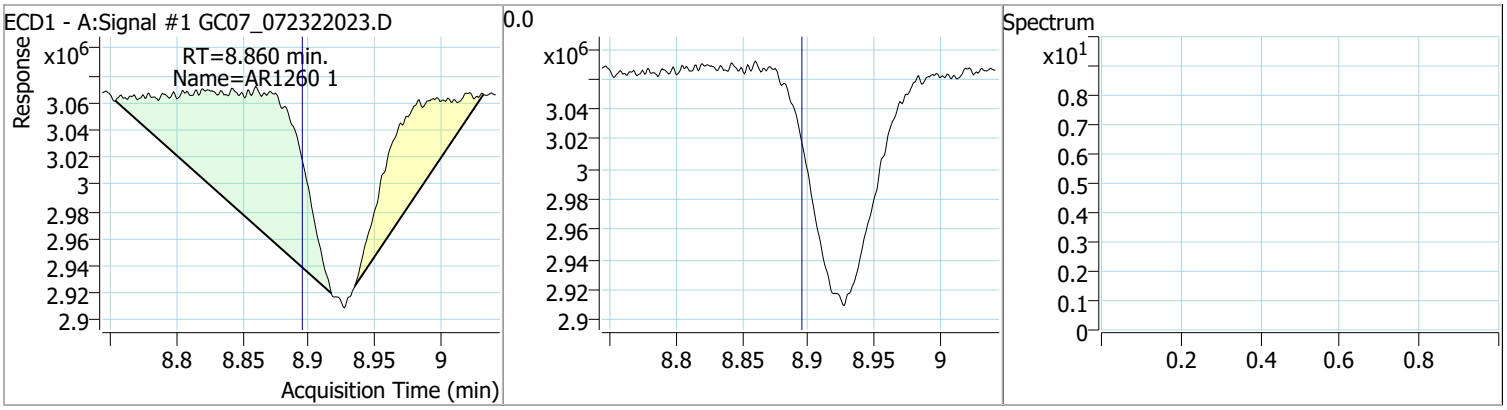
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.4096	7.09	0.00	1124				



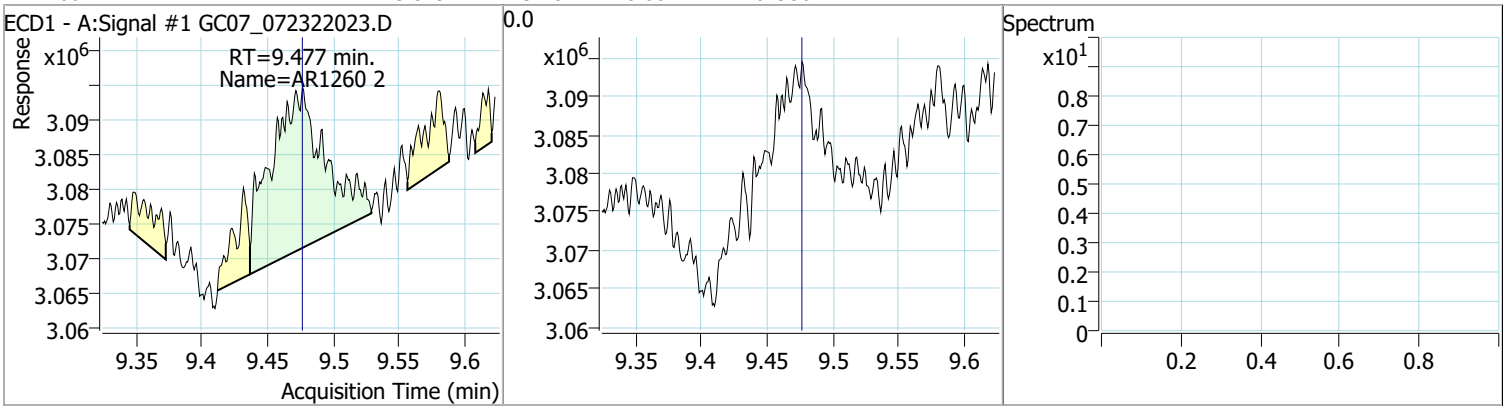
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.8331	7.82	0.02	3917				



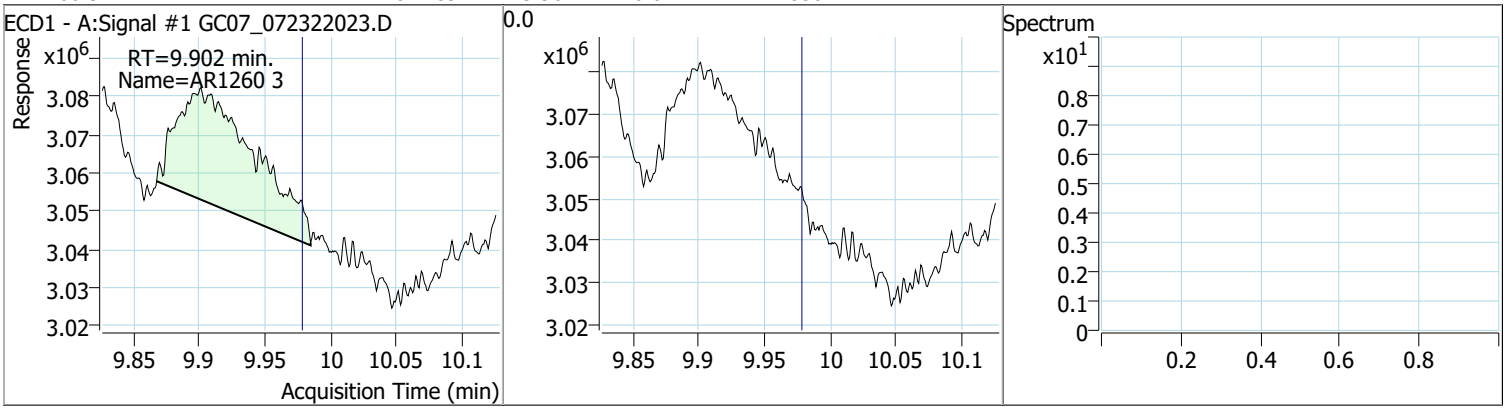
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	20.6398	8.86	-0.03	588830				



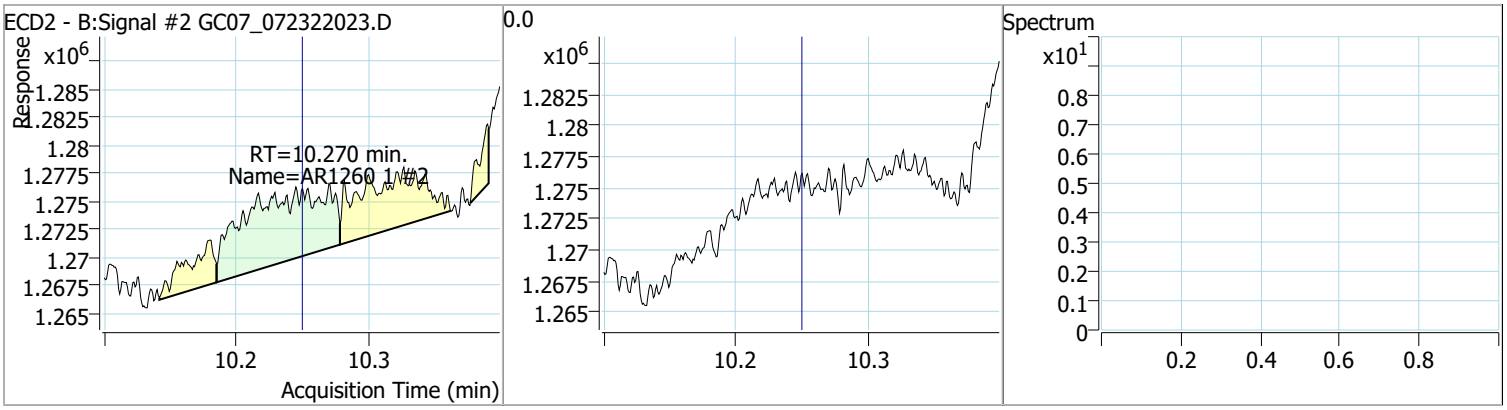
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	3.5492	9.48	0.00	67956				



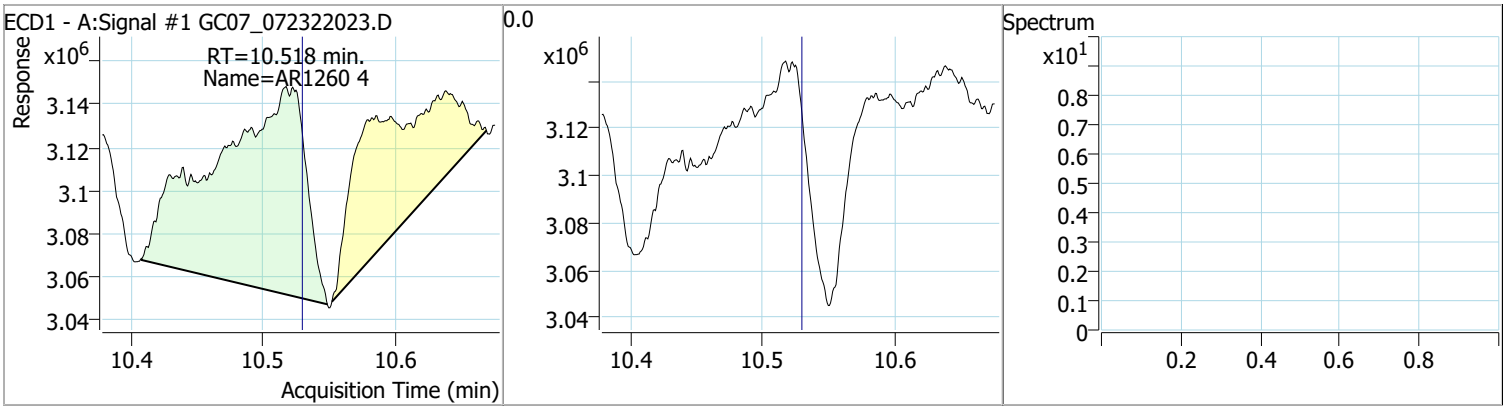
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	6.7259	9.90	-0.07	124850				



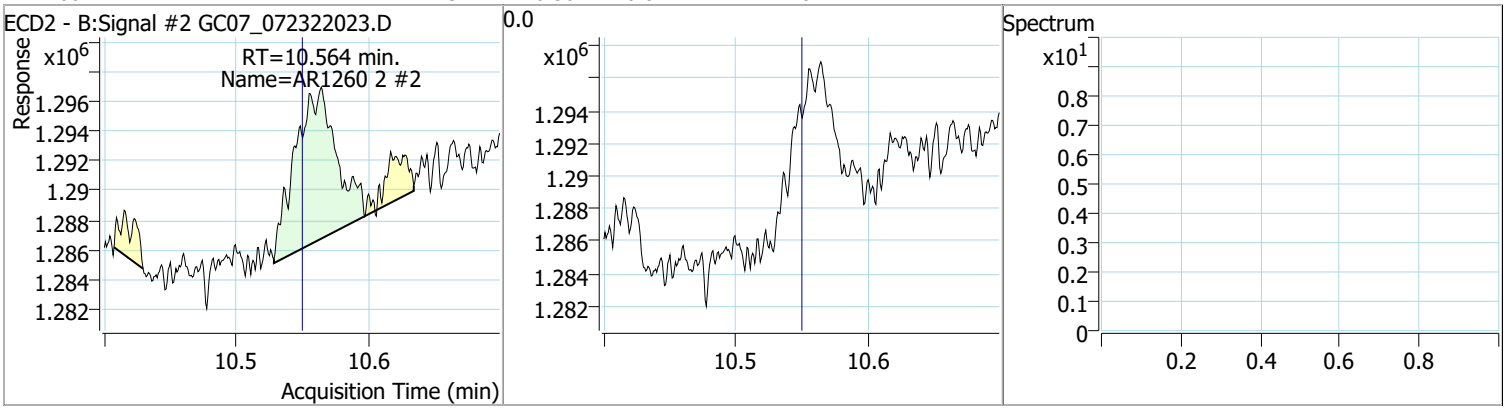
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	6.0459	10.27	0.02	27363				



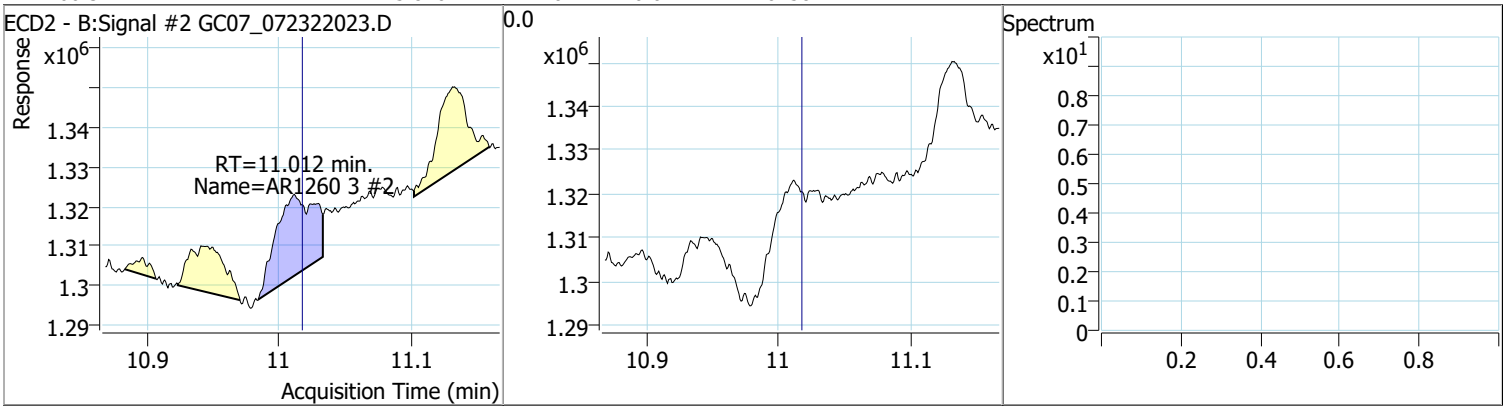
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	51.2817	10.52	-0.01	459893				



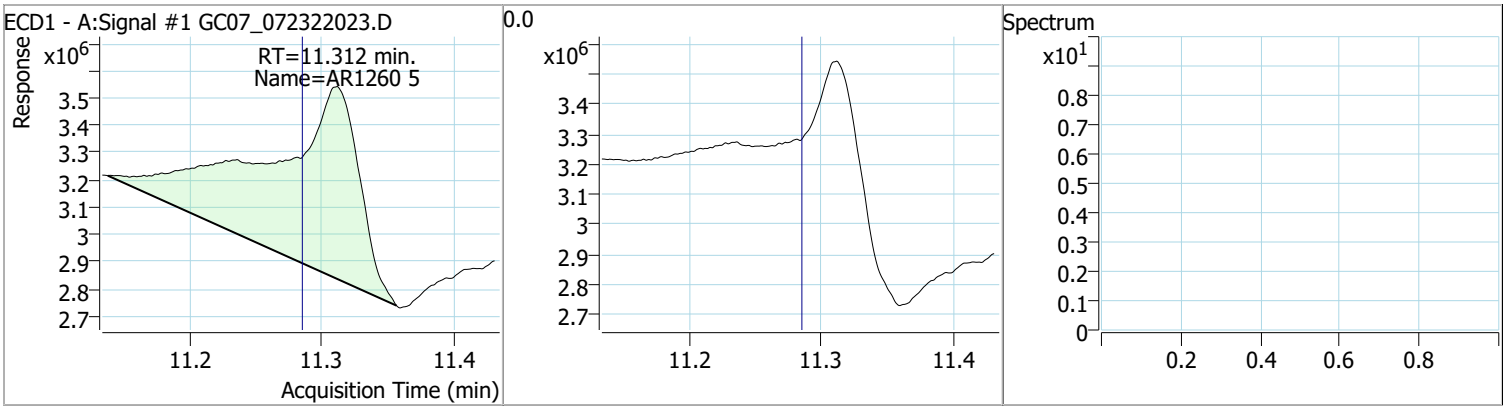
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	4.2443	10.56	0.01	22748				



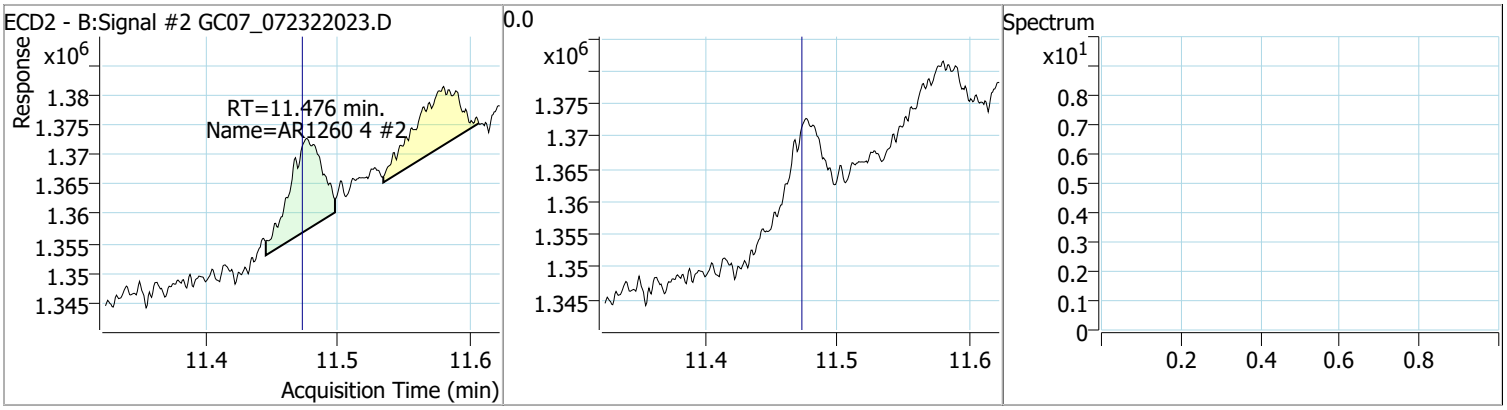
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	5.8407	11.01	-0.01	40758				



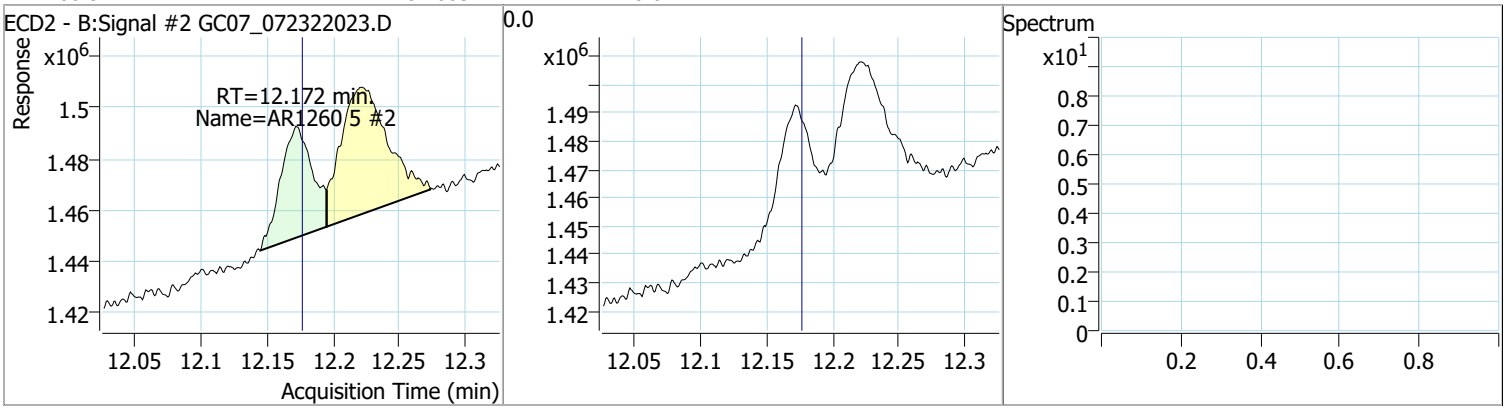
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	306.3670	11.31	0.03	3420389				



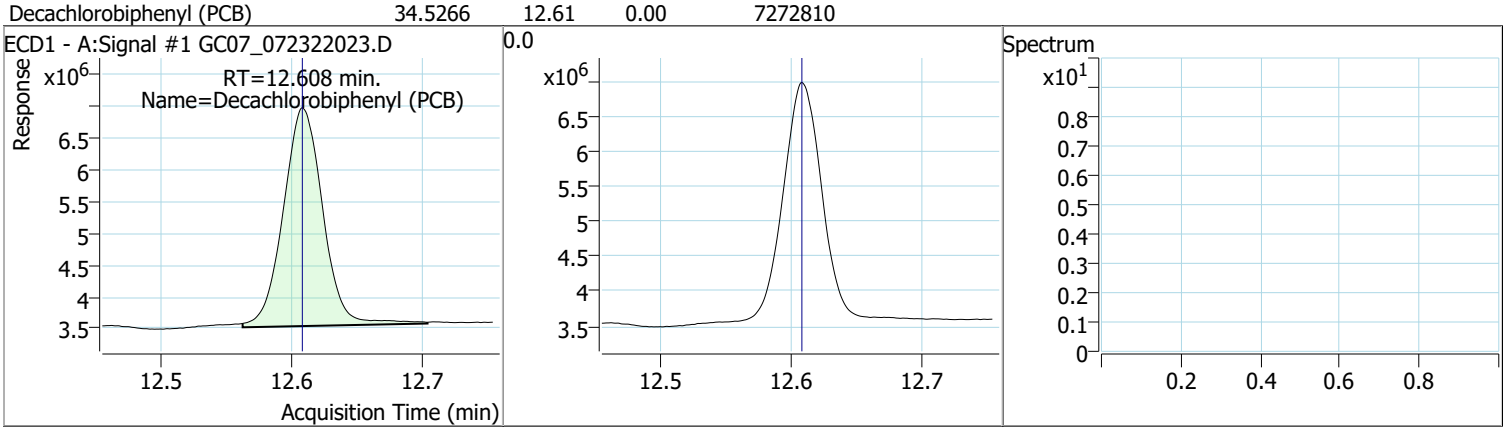
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	7.0863	11.48	0.00	26930				



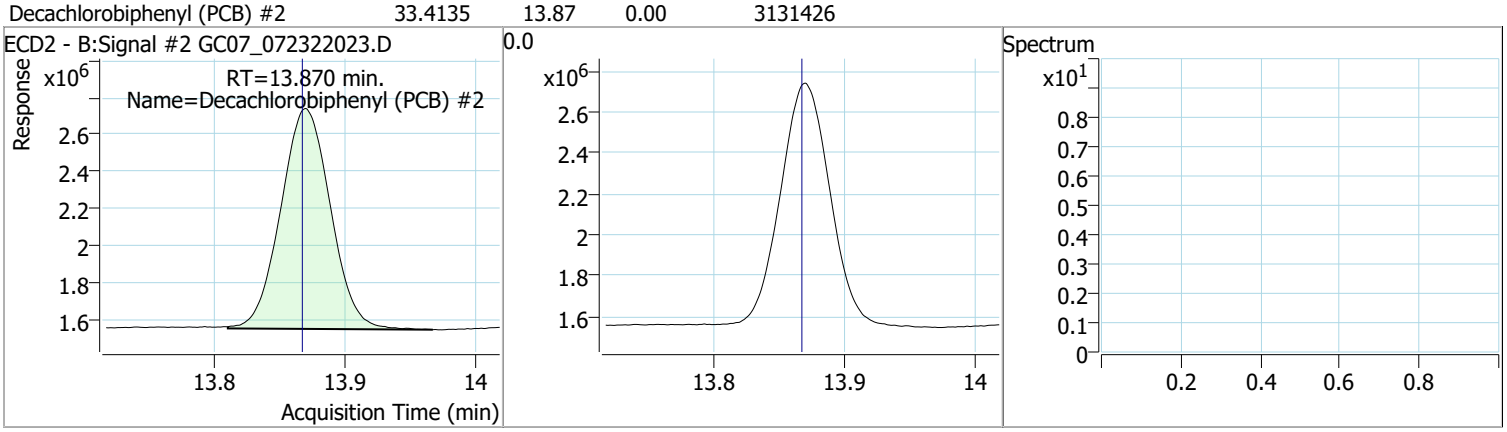
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	18.1883	12.17	-0.01	72471				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	34.5266	12.61	0.00	7272810				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	33.4135	13.87	0.00	3131426				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	465874-005	Client ID:	AFRAME-C1W-LAT-L3-EXT-1 TO 2-220716-P-WF
Seqnum:	462294741024.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_072322024	Batch:	293412	Time:	23-JUL-2022 22:41
Cal:	462293080002	Caldate:	22-JUL-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	11.56	ug/L	ND	1.2	138%	1.0		u
Aroclor-1016 Peak # 1	B	8.653	ug/L	0.17	1.31	153%			
Aroclor-1016 Peak # 2	B	1.301	ug/L	0.03	ND	-218%			
Aroclor-1016 Peak # 3	B	45.38	ug/L	0.91	1.36	40%			
Aroclor-1016 Peak # 4	B	1.918	ug/L	0.04	0.09	84%			
Aroclor-1016 Peak # 5	B	0.5407	ug/L	0.01	4.09	199%			
Aroclor-1221	B			ND			1.0		u
Aroclor-1232	B			ND			1.0		u
Aroclor-1242	B			ND			1.0		u
Aroclor-1248	B			ND			1.0		u
Aroclor-1254	B			ND			1.0		u
Aroclor-1260	B	8.088	ug/L	ND	1.4	158%	1.0		u
Aroclor-1260 Peak # 1	B	11.46	ug/L	0.23	0.47	68%			
Aroclor-1260 Peak # 2	B	3.562	ug/L	0.07	0.06	13%			
Aroclor-1260 Peak # 3	B	3.164	ug/L	0.06	0.01	152%			
Aroclor-1260 Peak # 4	B	3.531	ug/L	0.07	0.64	160%			
Aroclor-1260 Peak # 5	B	18.72	ug/L	0.37	5.69	175%			
Aroclor-1262	B			ND			1.0		u
Aroclor-1268	B			ND			1.0		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	38.20	pg/uL	1.000	0.7640	76	52-186	c- u
Decachlorobiphenyl (PCB)	B	35.48	pg/uL	1.000	0.7097	71	50-150	c- u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_072322004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1700652	1561243	-8.20
1-bromo-2-nitrobenzene (PCB)	A	4666126	4295790	-7.94

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_072322004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.46	4.46	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

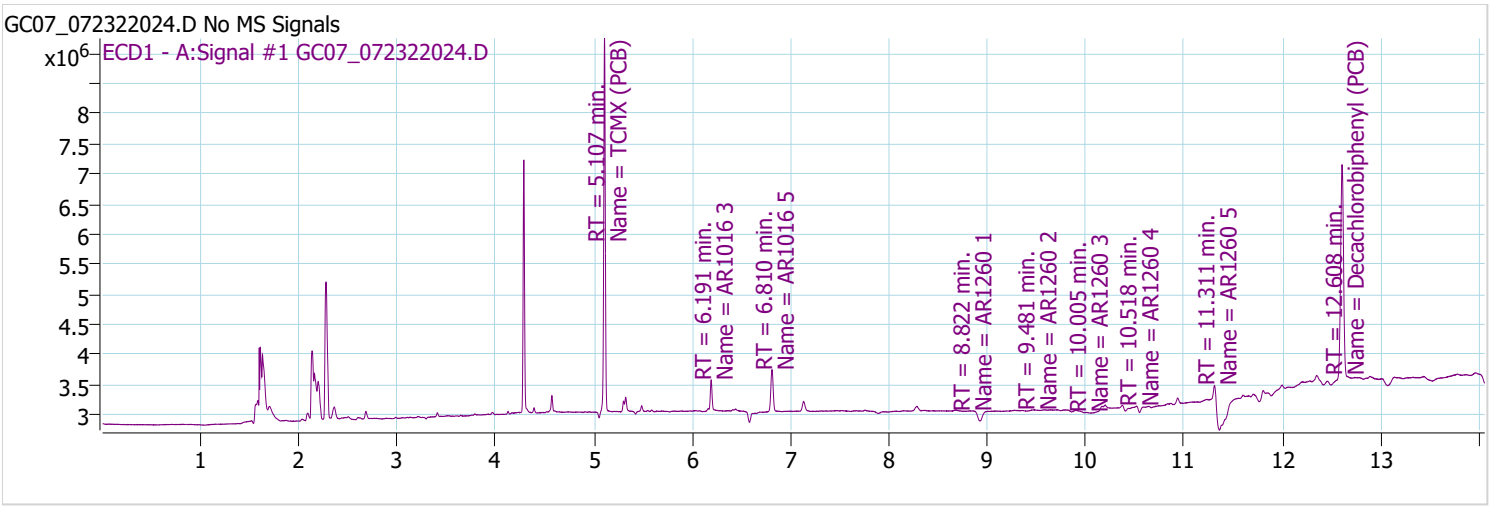
-=low bias c=CCV u=use

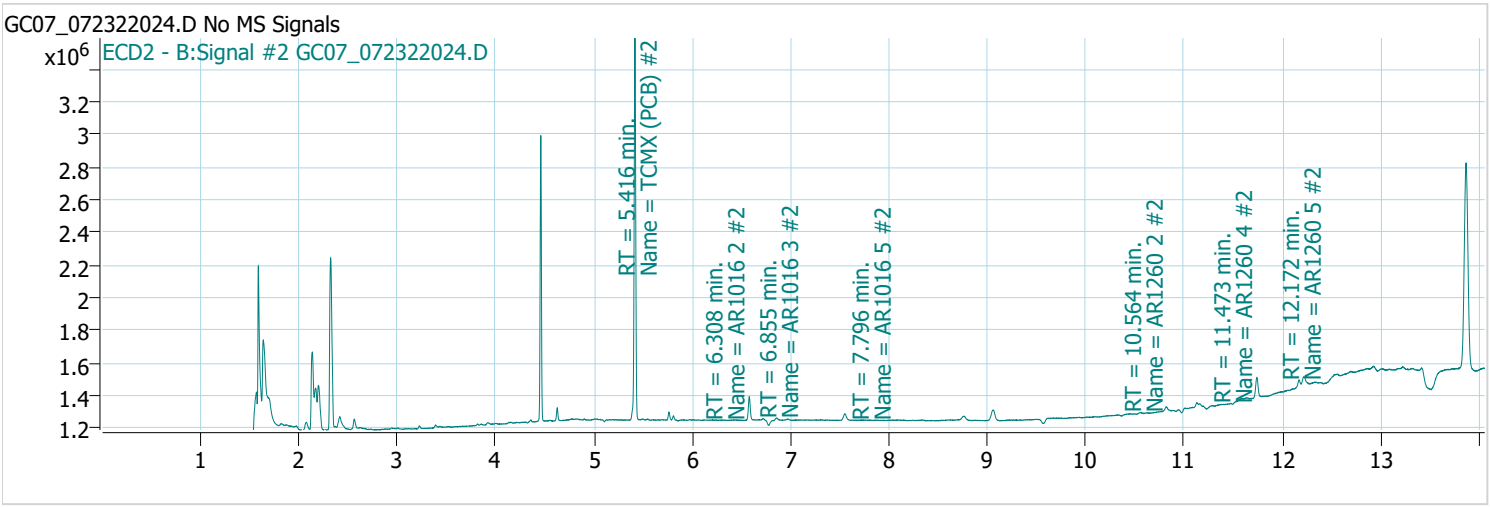
Analyst: TRN 07/25/22 *

Reviewer: SLL 07/25/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_072322024.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/23/2022 10:41:21 PM
Sample Name	465874-005, 293412, 1	Instrument	SVOA-GC07
Vial	6	Multiplier	1.00
DA Method File	PCB_608_072222_GC07_1.m	Comment	WIPE/1S-20 ML
Tune File	ATUNE.U	Tune Date	
Batch Name	072322PCB.batch.bin	Last Calib Update	7/23/2022 5:05:17 PM
Ref Library			



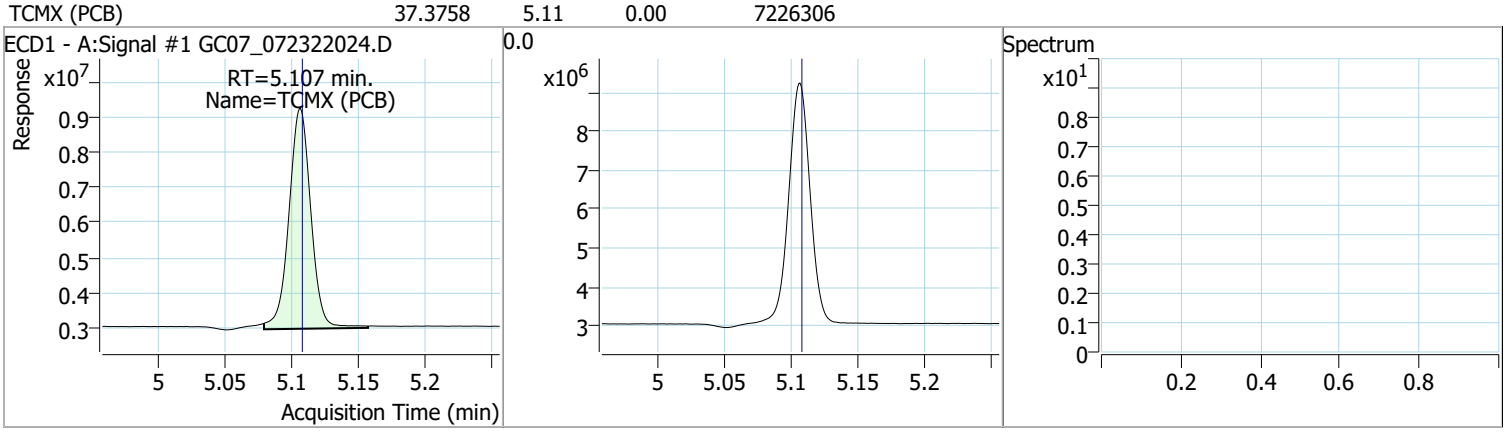


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.286	0.0	4295789.725	20.0000	ng/ml		0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.458	0.0	1561242.624	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.107	0.0	7226305.660	37.3758	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 186.88%		*	
S TCMX (PCB) #2	5.416	0.0	2647680.397	38.1791	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 190.90%		*	
S Decachlorobiphenyl (PCB)	12.608	0.0	7714012.596	37.0051	ng/ml		0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 185.03%		*	
S Decachlorobiphenyl (PCB) #2	13.869	0.0	3349130.331	35.4675	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 177.34%		*	
Target Compounds							QValue

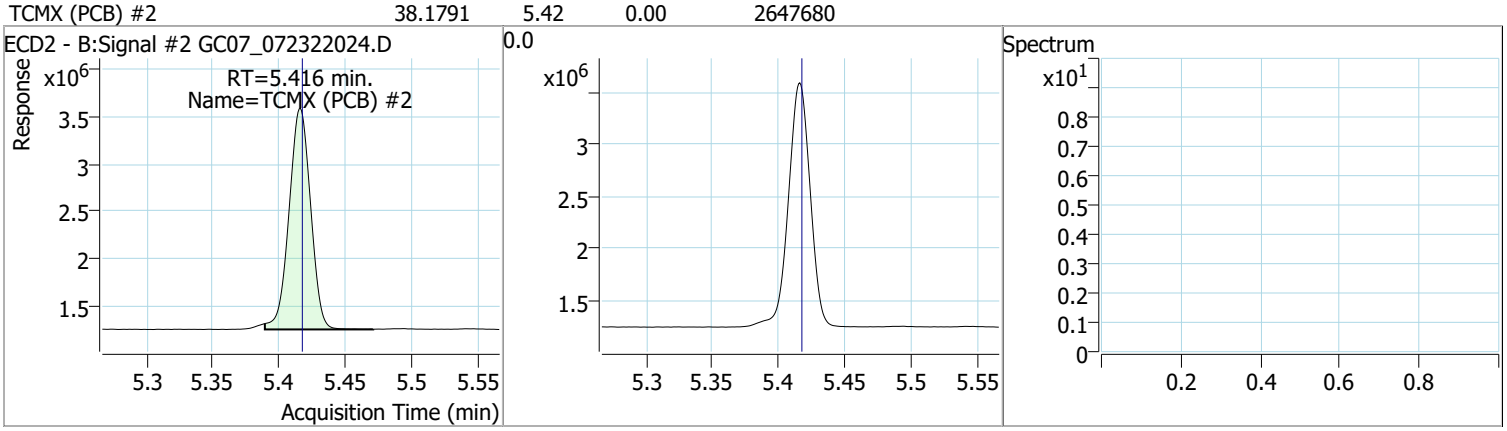
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.484	0.0	263443.857	65.3839	ng/ml	100
T AR1016 2	5.816	0.0	27365.883	0.0000	ng/ml	100
T AR1016 1 #2	5.893	0.0	12558.528	8.6490	ng/ml	100
T AR1016 3	6.191	0.0	669464.698	68.0447	ng/ml	100
T AR1016 2 #2	6.308	0.0	4112.399	1.3004	ng/ml	100
T AR1016 4	6.412	0.0	31850.955	4.7033	ng/ml	100
T AR1016 5	6.810	0.0	1181708.997	204.4273	ng/ml	100
T AR1016 3 #2	6.855	0.0	173955.027	45.3590	ng/ml	100
T AR1016 4 #2	7.096	0.0	5301.363	1.9168	ng/ml	100
T AR1016 5 #2	7.796	0.0	1163.538	0.5404	ng/ml	100
T AR1260 1	8.822	0.0	606709.101	23.2115	ng/ml	100
T AR1260 2	9.481	0.0	59232.649	3.1260	ng/ml	100
T AR1260 3	10.005	0.0	7996.285	0.4353	ng/ml	100
T AR1260 1 #2	10.334	0.0	52251.736	11.4581	ng/ml	100
T AR1260 4	10.518	0.0	284893.490	32.1010	ng/ml	100
T AR1260 2 #2	10.564	0.0	19228.518	3.5607	ng/ml	100
T AR1260 3 #2	11.087	0.0	22238.365	3.1628	ng/ml	100
T AR1260 5	11.311	0.0	3141579.300	284.3443	ng/ml	100
T AR1260 4 #2	11.473	0.0	13511.931	3.5287	ng/ml	100
T AR1260 5 #2	12.172	0.0	75746.990	18.6807	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

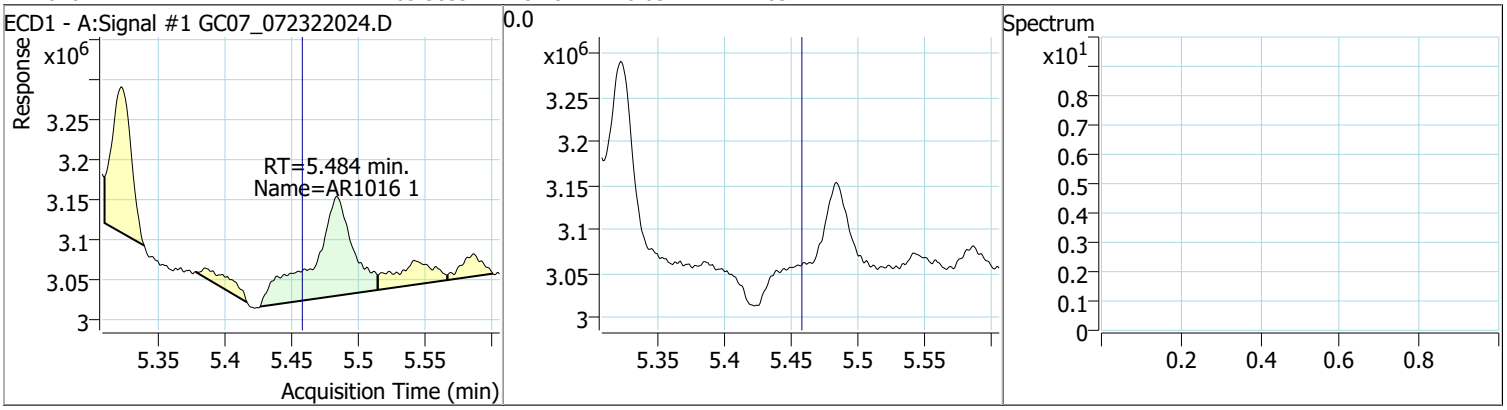
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.3758	5.11	0.00	7226306				



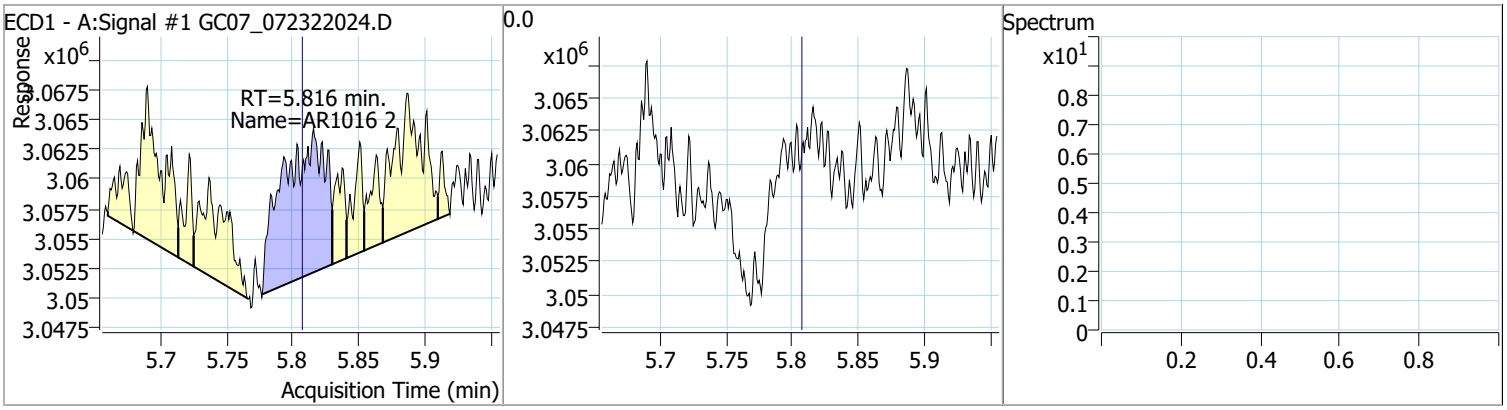
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	38.1791	5.42	0.00	2647680				



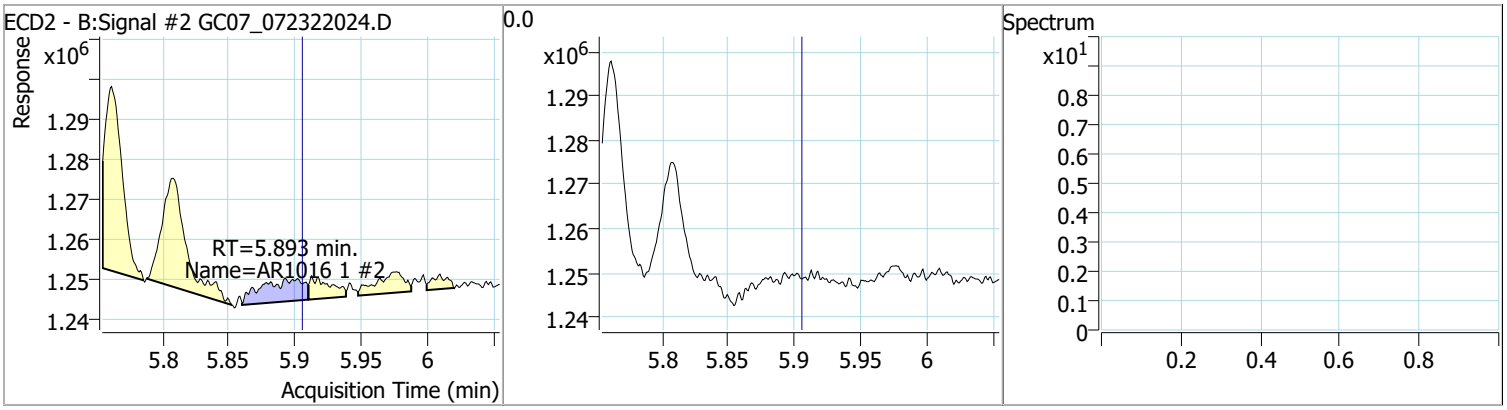
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	65.3839	5.48	0.03	263444				



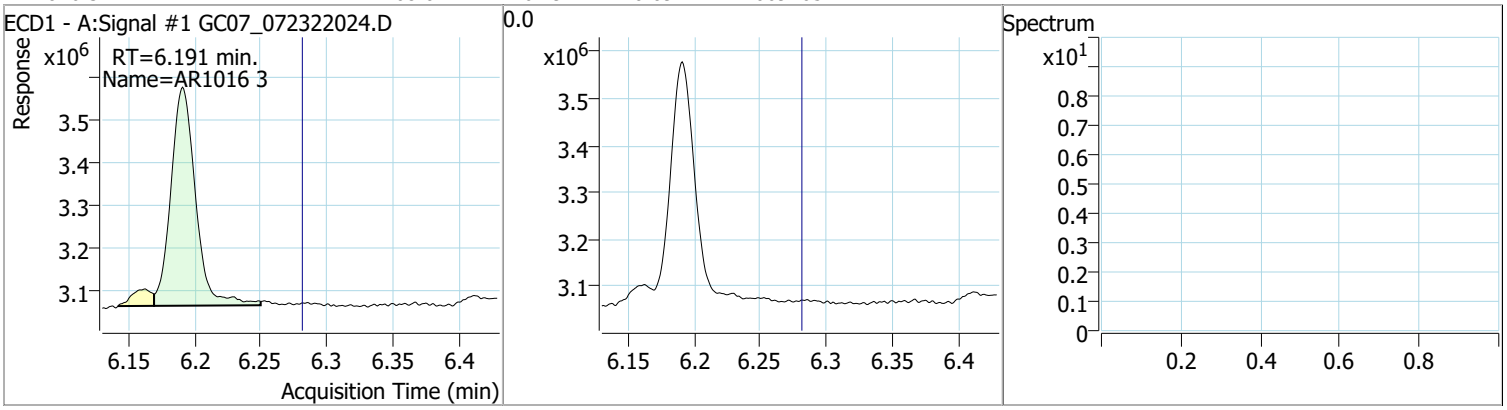
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.82	0.01	27366				



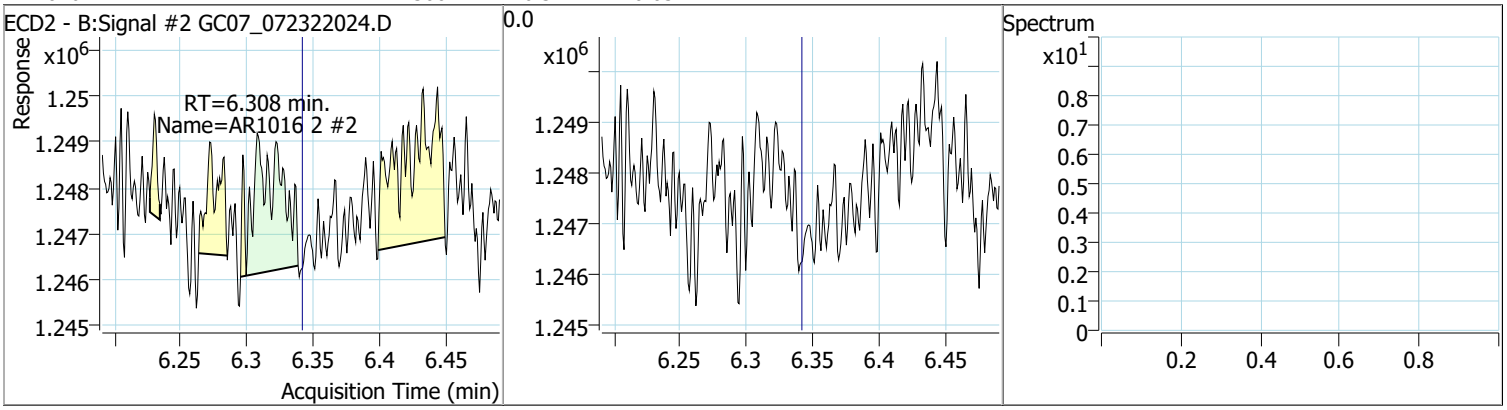
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	8.6490	5.89	-0.01	12559				



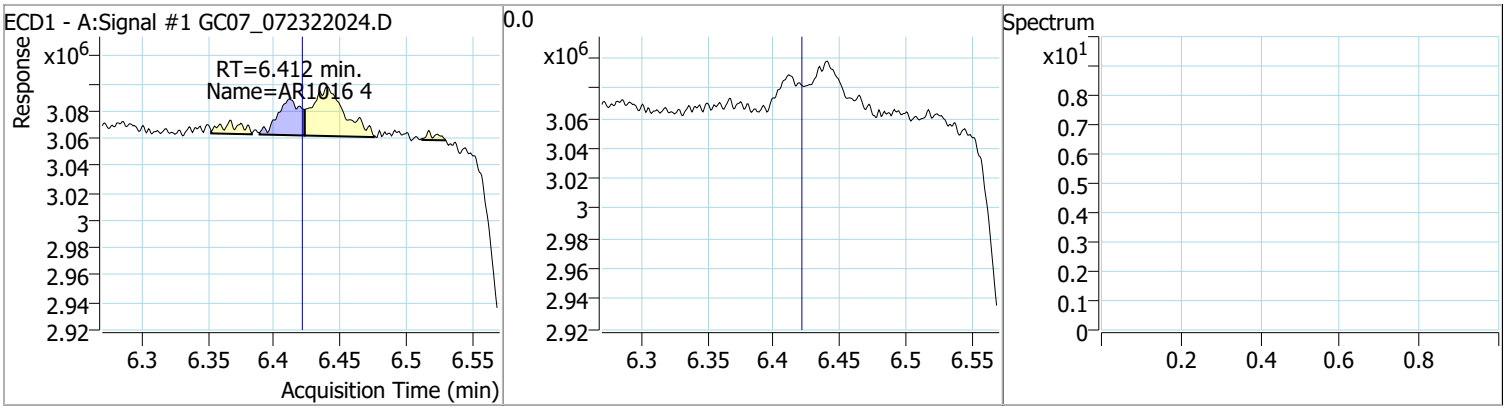
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	68.0447	6.19	-0.09	669465				



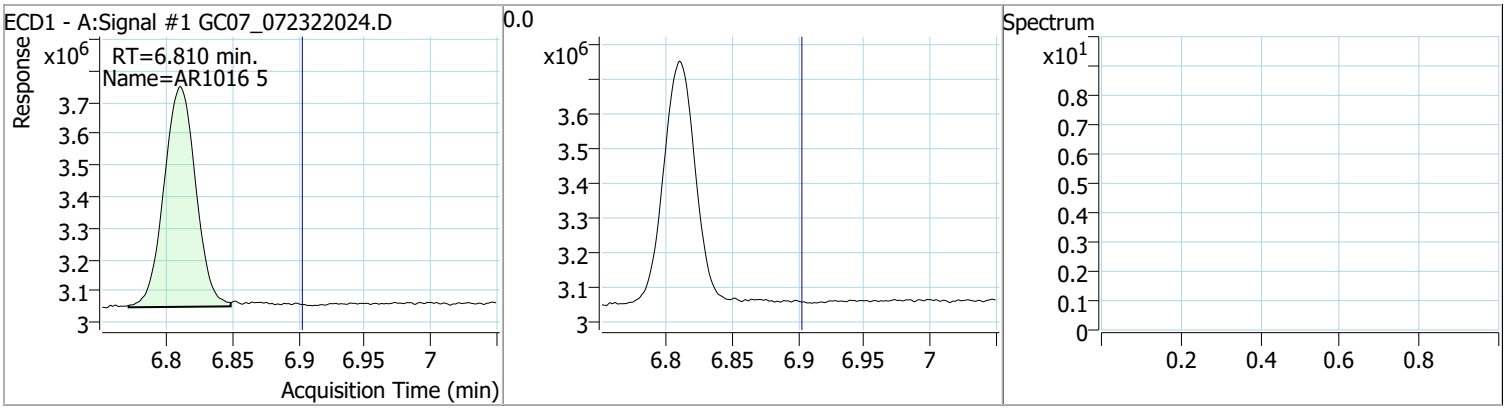
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1.3004	6.31	-0.03	4112				



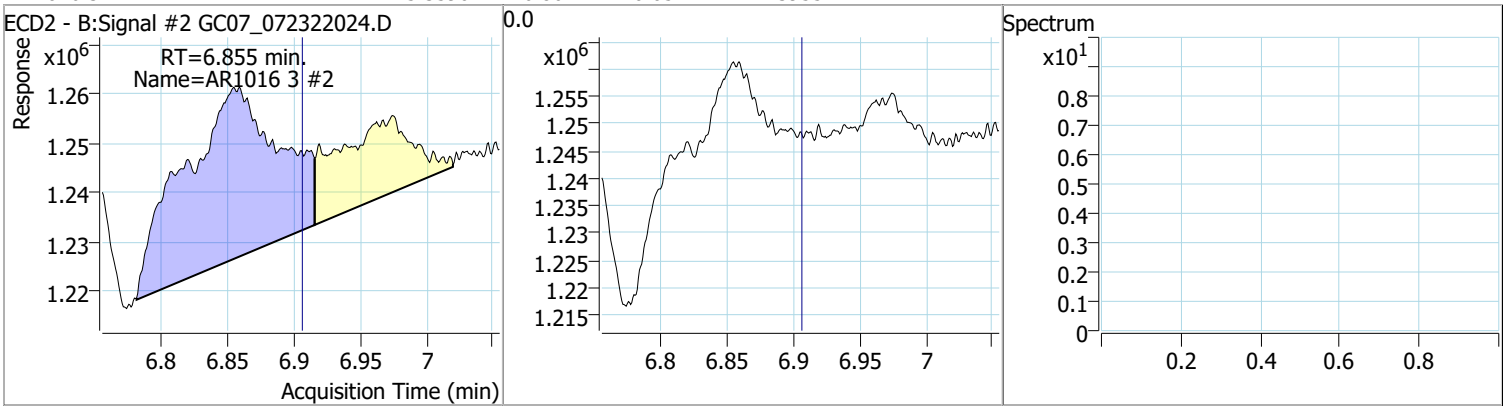
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	4.7033	6.41	-0.01	31851				



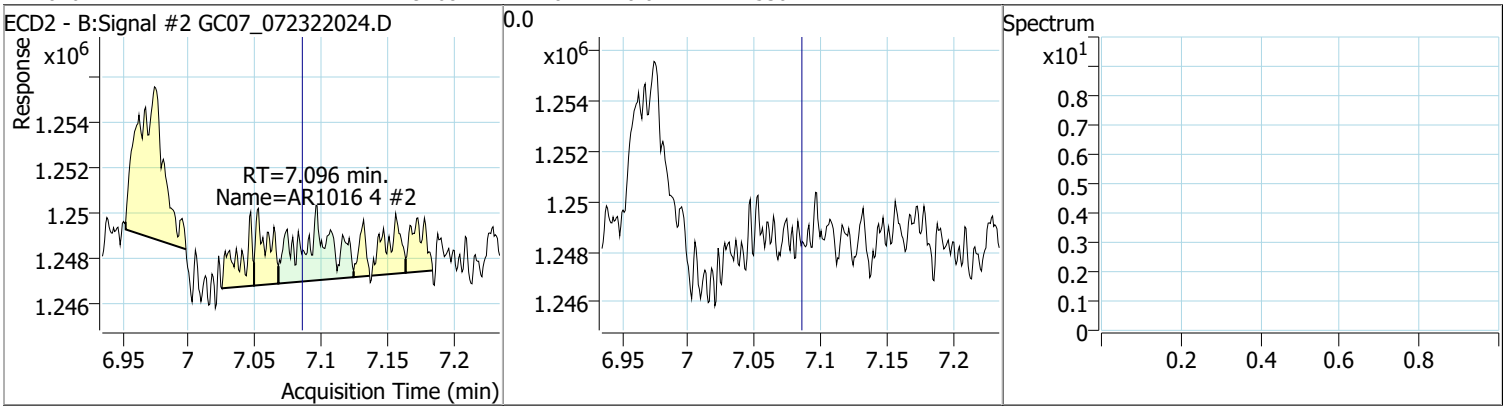
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	204.4273	6.81	-0.09	1181709				



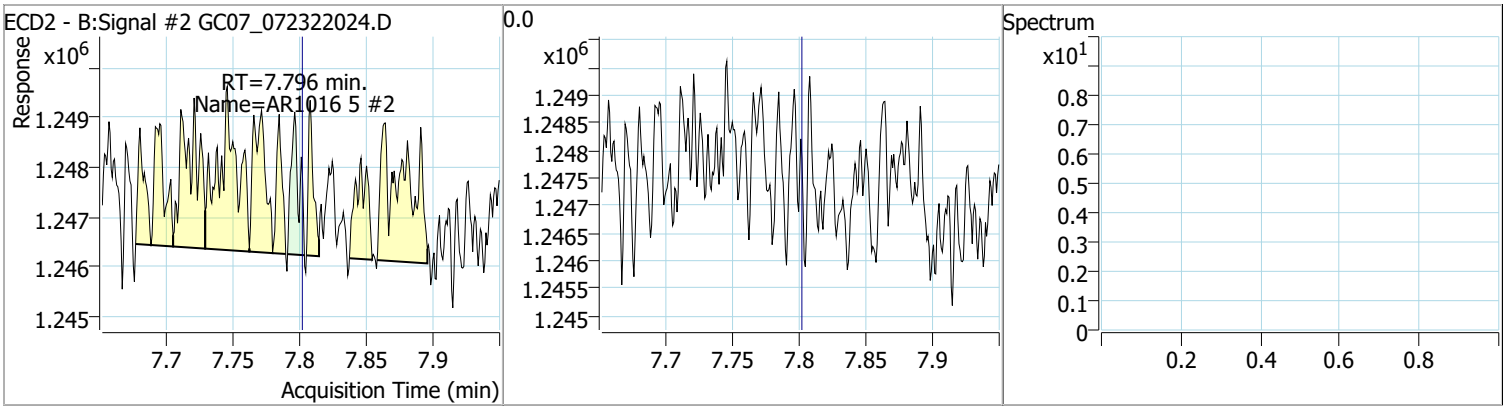
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	45.3590	6.86	-0.05	173955				



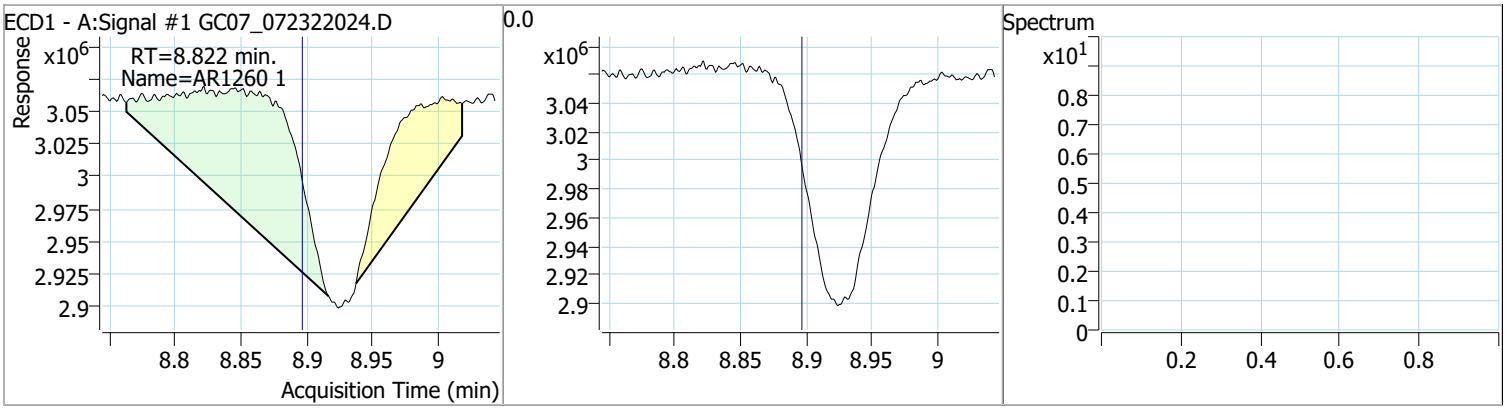
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.9168	7.10	0.01	5301				



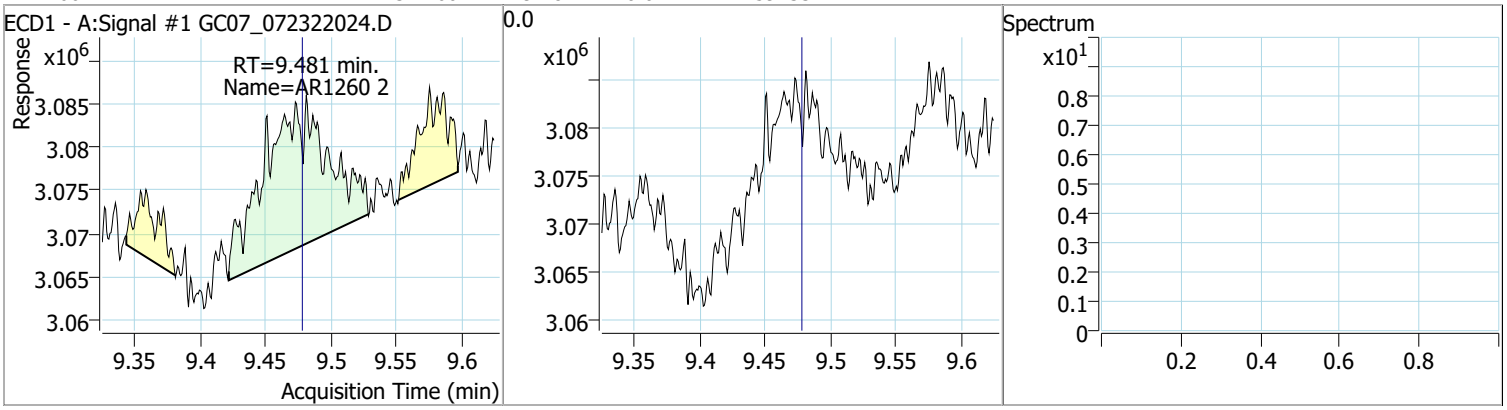
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.5404	7.80	0.00	1164				



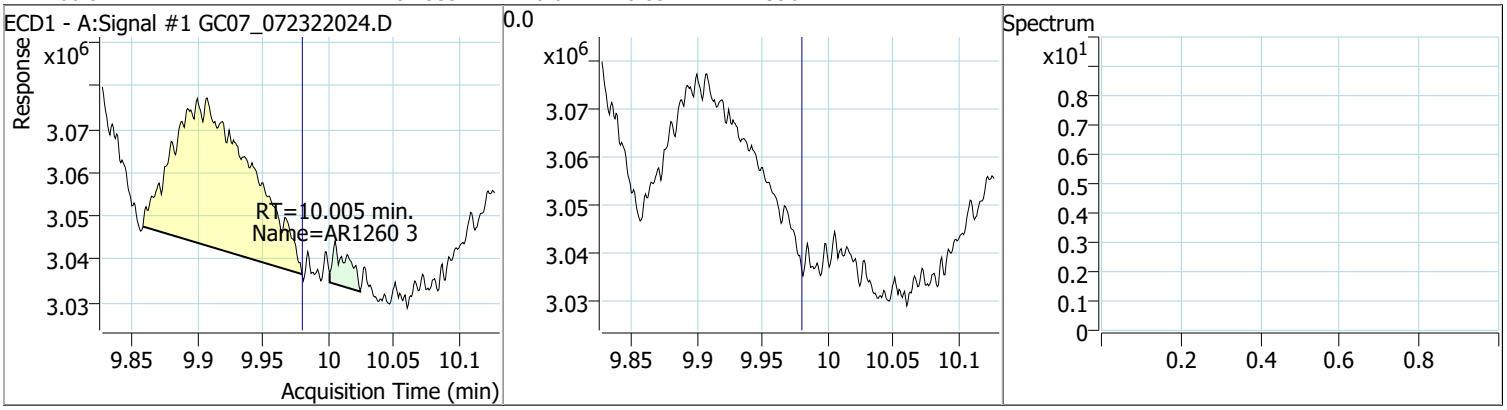
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	23.2115	8.82	-0.07	606709				



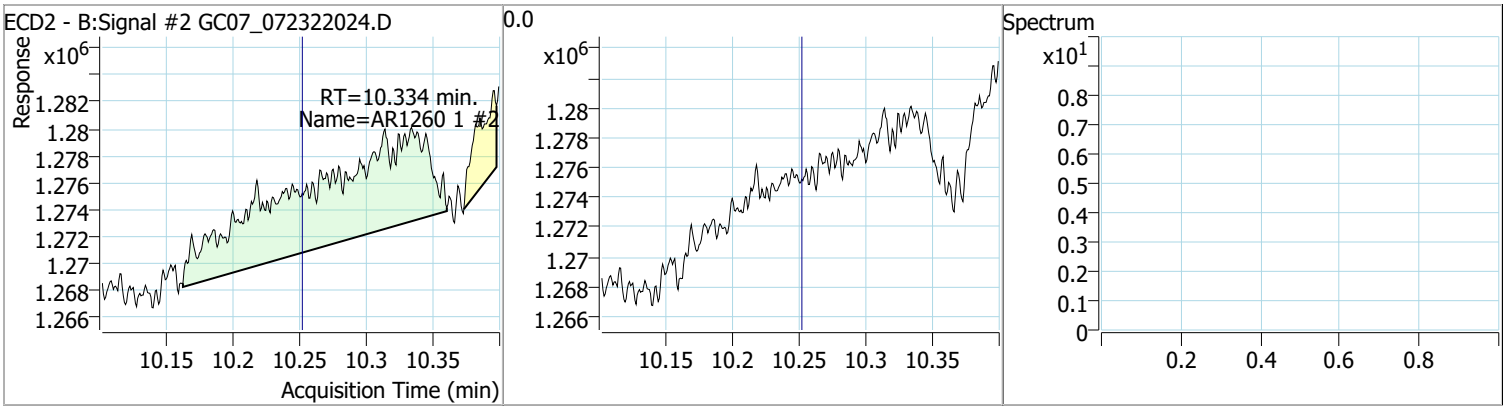
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	3.1260	9.48	0.01	59233				



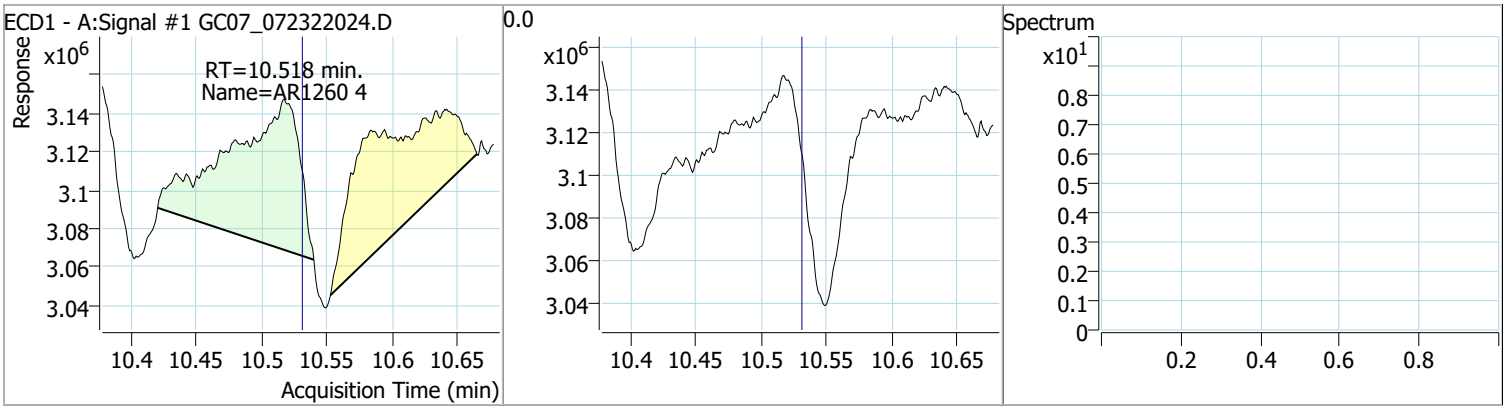
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.4353	10.01	0.03	7996				



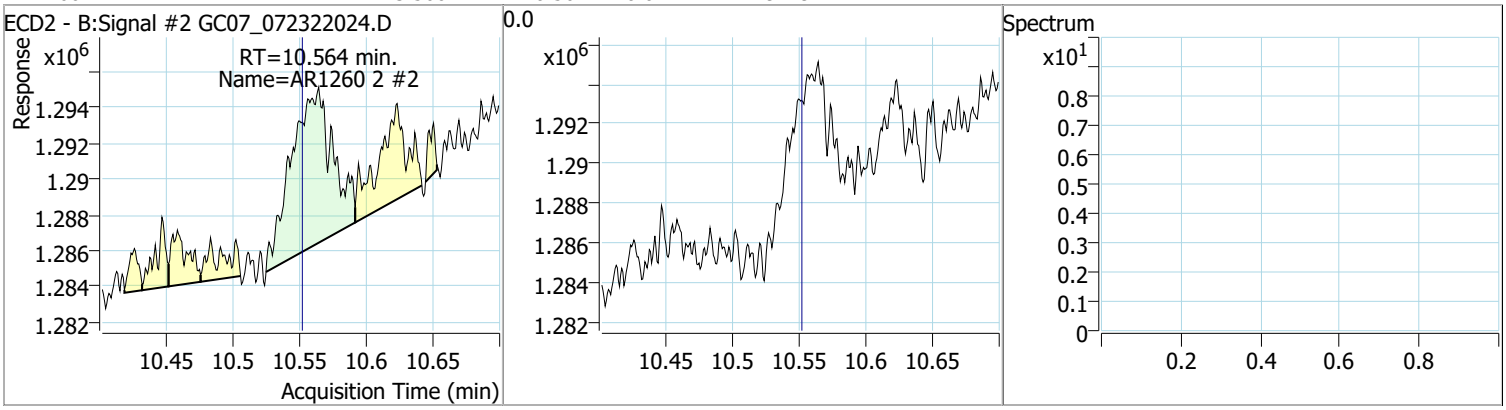
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	11.4581	10.33	0.08	52252				



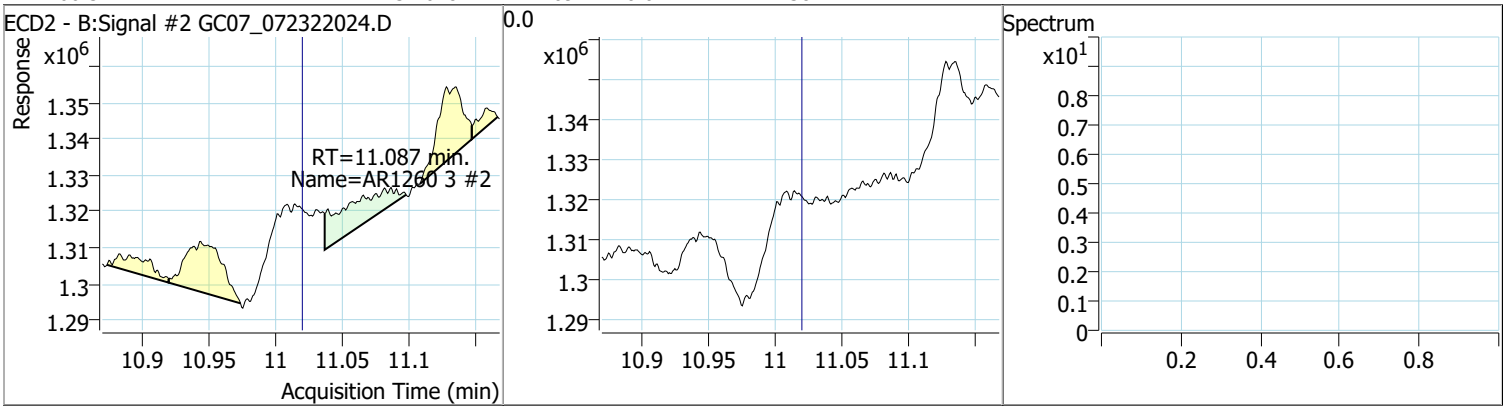
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	32.1010	10.52	-0.01	284893				



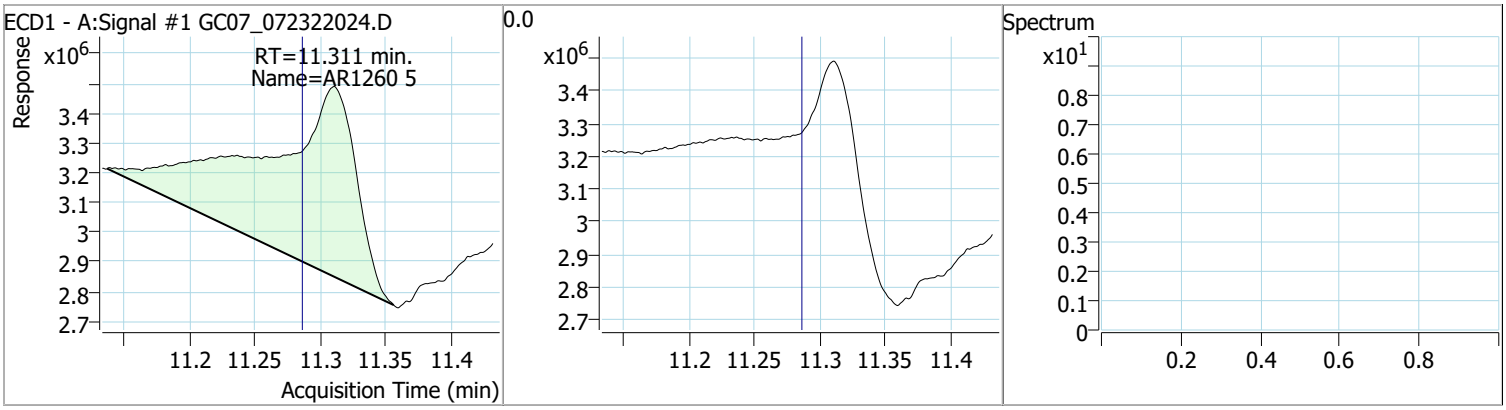
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.5607	10.56	0.01	19229				



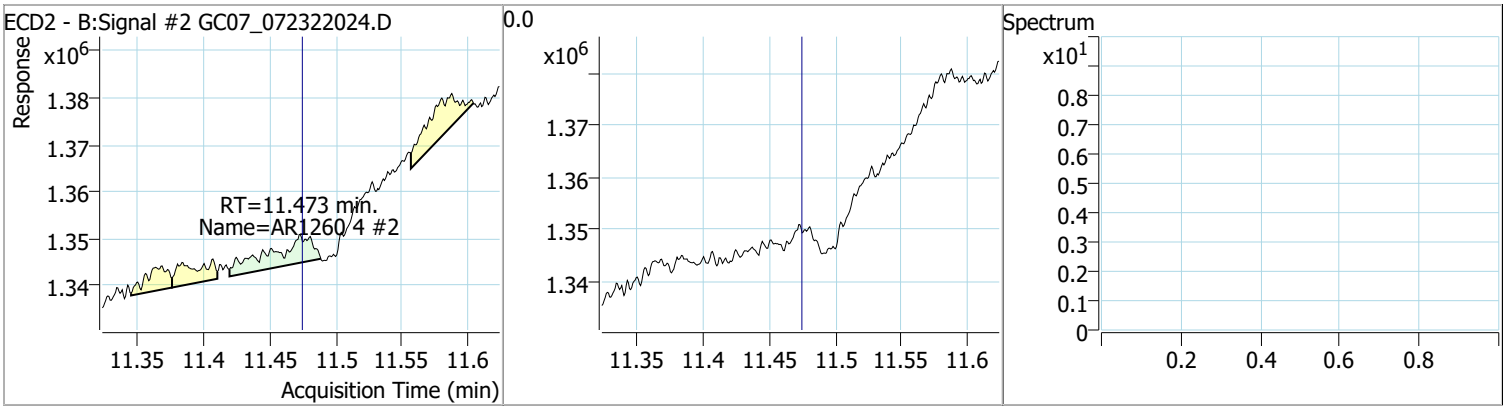
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	3.1628	11.09	0.07	22238				



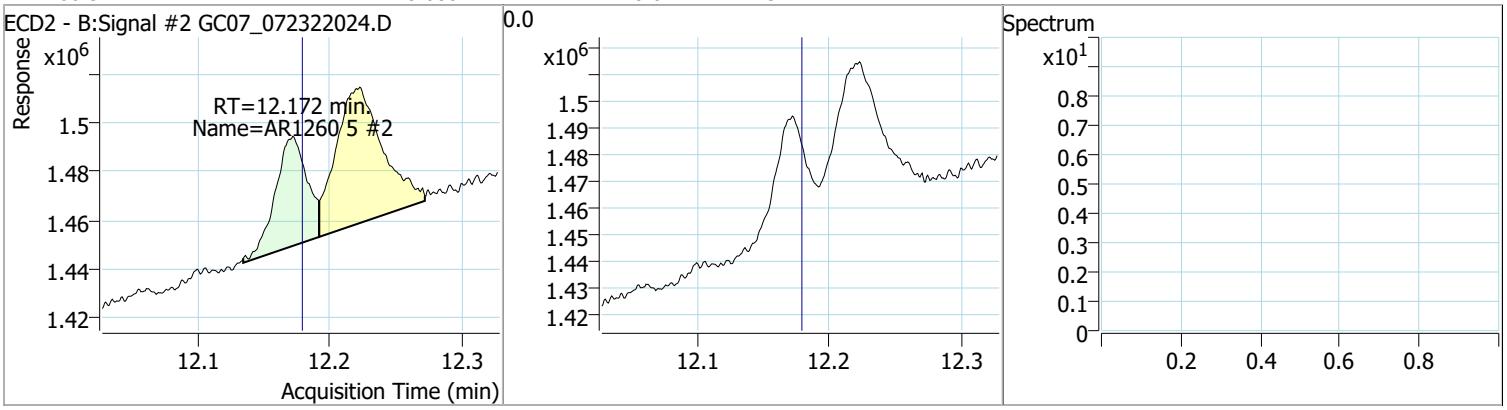
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	284.3443	11.31	0.03	3141579				



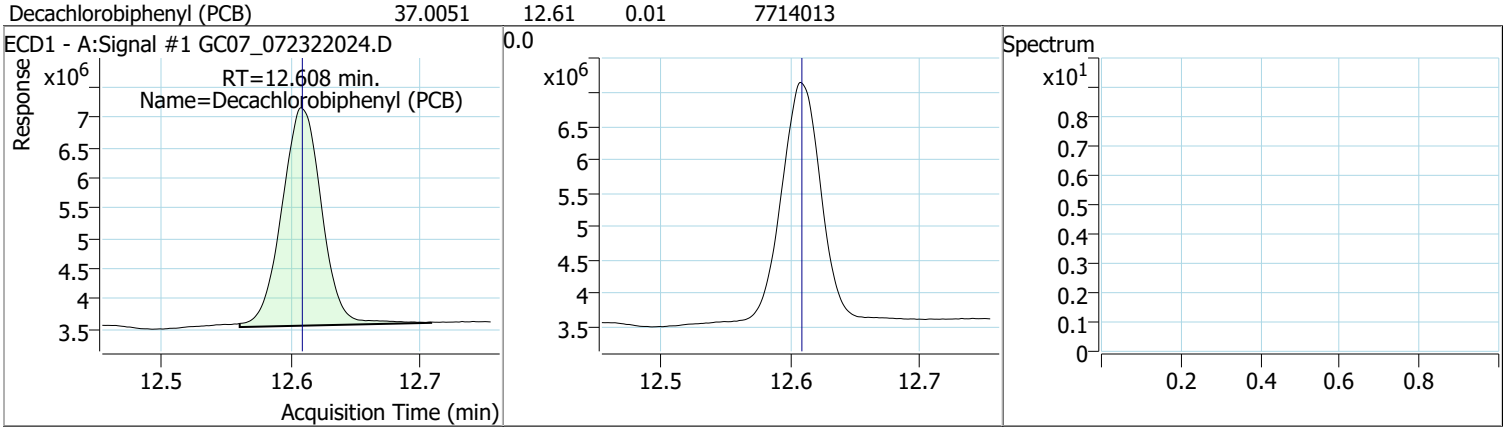
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	3.5287	11.47	0.00	13512				



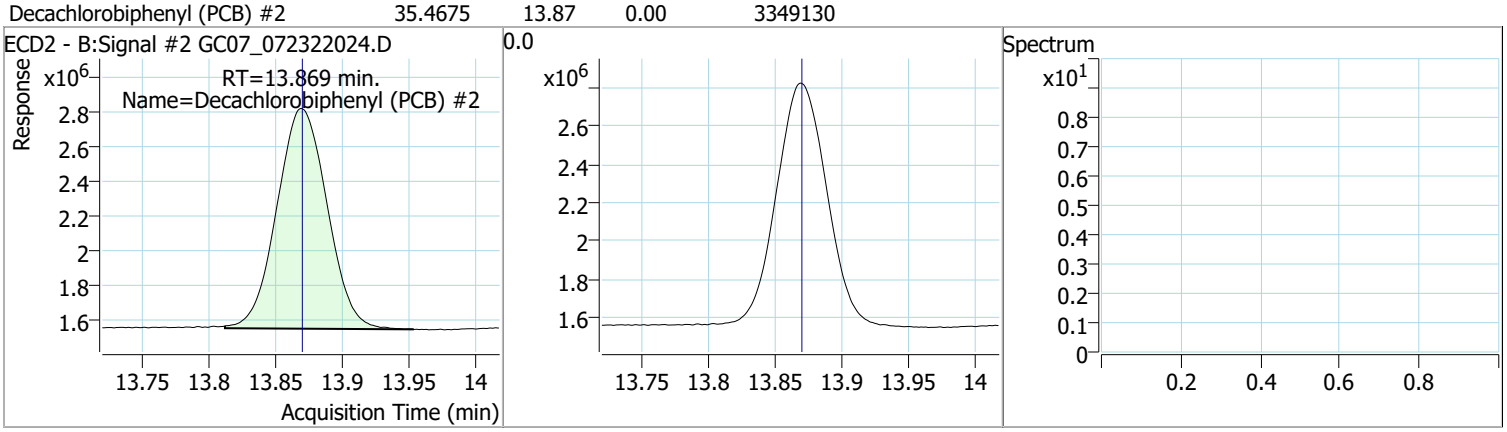
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	18.6807	12.17	-0.01	75747				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	37.0051	12.61	0.01	7714013				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	35.4675	13.87	0.00	3349130				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 465874 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Lab ID:	QC1001814		
Seqnum:	462294741019.7	Matrix:	Wipe		
File:	gc07_072322019	Batch:	293412	Time:	23-JUL-2022 21:13
Cal:	462293080002	Caldate:	22-JUL-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	1.952	ug/L	ND	ND	106%	0.50	u
Aroclor-1221	B			ND			0.50	u
Aroclor-1232	B			ND			0.50	u
Aroclor-1242	B			ND			0.50	u
Aroclor-1248	B			ND			0.50	u
Aroclor-1254	B			ND			0.50	u
Aroclor-1260	B	2.541	ug/L	ND	ND	-435%	0.50	calc u
Aroclor-1262	B			ND			0.50	u
Aroclor-1268	B			ND			0.50	u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	48.39	pg/uL	0.5000	0.4839	97	52-186	c- u
Decachlorobiphenyl (PCB)	B	43.47	pg/uL	0.5000	0.4347	87	60-140	c- u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_072322004)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1700652	1628868	-4.22
1-bromo-2-nitrobenzene (PCB)	A	4666126	4521112	-3.11

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_072322004)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.46	4.46	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

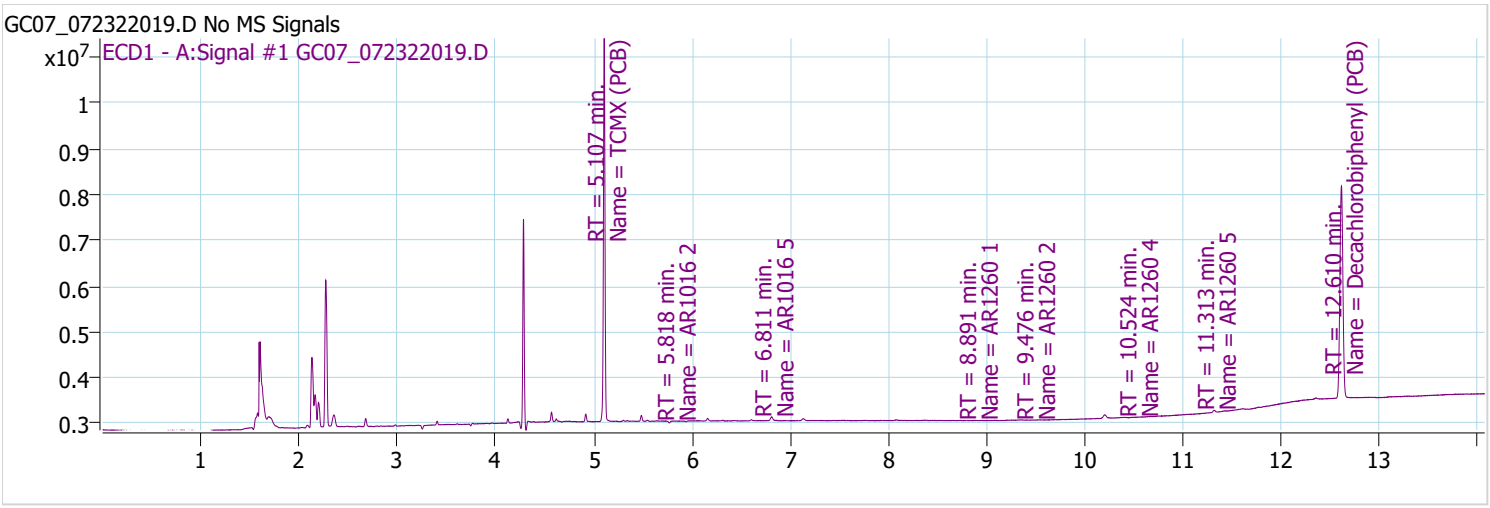
-=low bias c=CCV calc=check quantitation u=use

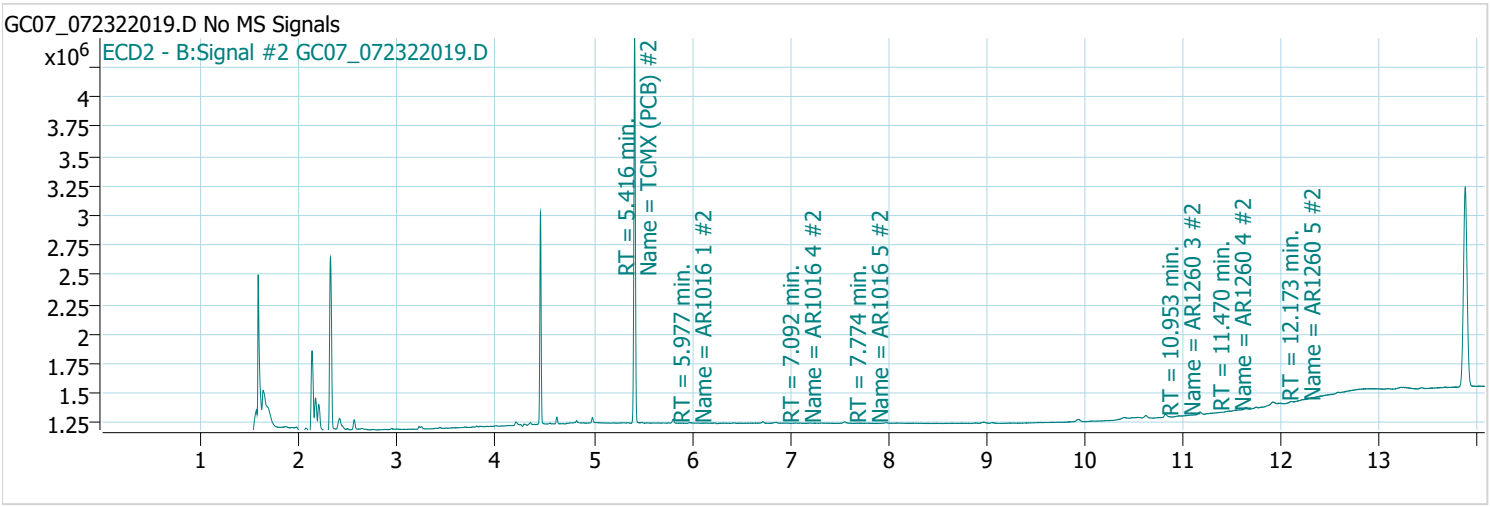
Analyst: TRN 07/25/22 *

Reviewer: SLL 07/25/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_072322019.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/23/2022 9:13:49 PM
Sample Name	QC1001814, 293412, 1	Instrument	SVOA-GC07
Vial	1	Multiplier	1.00
DA Method File	PCB_608_072222_GC07_1.m	Comment	WIPE/1S-20 ML
Tune File	ATUNE.U	Tune Date	
Batch Name	072322PCB.batch.bin	Last Calib Update	7/23/2022 5:05:17 PM
Ref Library			





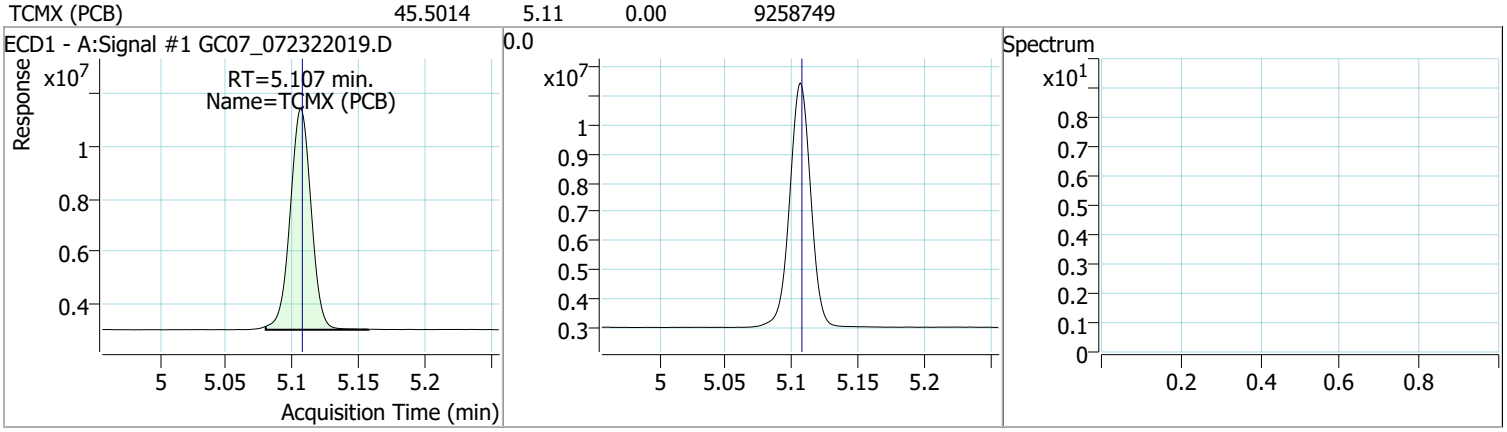
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.285	0.0	4521112.247	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.458	0.0	1628867.562	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.107	0.0	9258748.797	45.5014	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 227.51%		*	
S TCMX (PCB) #2	5.416	0.0	3499322.205	48.3648	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 241.82%		*	
S Decachlorobiphenyl (PCB)	12.610	0.0	9950749.196	45.3560	ng/ml		0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 226.78%		*	
S Decachlorobiphenyl (PCB) #2	13.871	0.0	4280788.729	43.4517	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 217.26%		*	

Target Compounds **QValue**

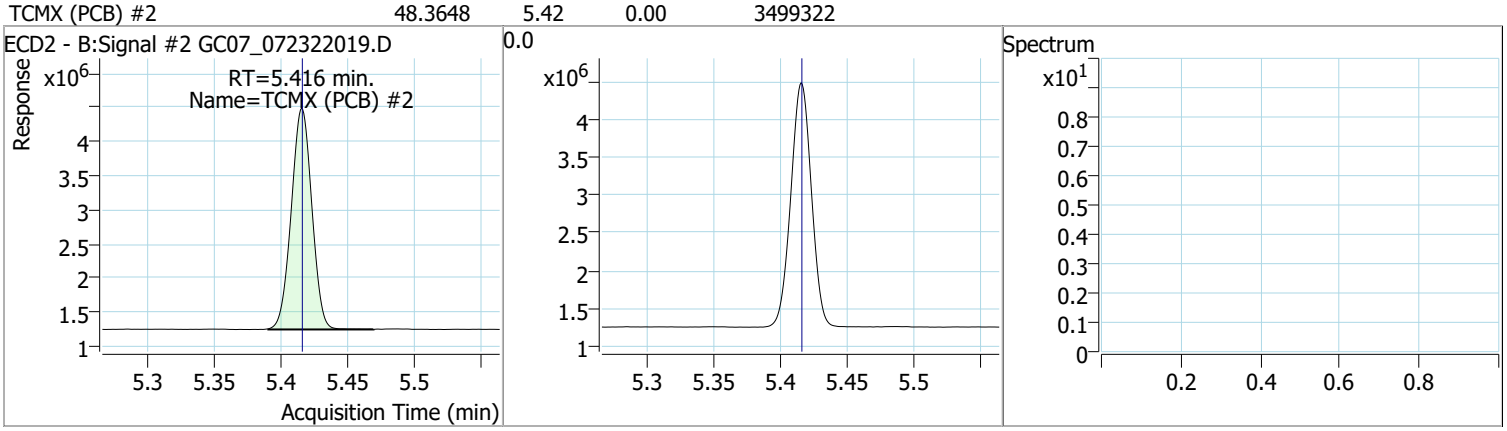
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.443	0.0	7979.848	1.8818	ng/ml	100
T AR1016 2	5.818	0.0	243835.753	0.4684	ng/ml	100
T AR1016 1 #2	5.977	0.0	8495.652	5.6080	ng/ml	100
T AR1016 3	6.264	0.0	3742.429	0.3614	ng/ml	100
T AR1016 2 #2	6.361	0.0	3394.843	1.0289	ng/ml	100
T AR1016 4	6.425	0.0	22614.375	3.1729	ng/ml	100
T AR1016 5	6.811	0.0	160120.290	26.3192	ng/ml	100
T AR1016 3 #2	6.903	0.0	1230.613	0.3076	ng/ml	100
T AR1016 4 #2	7.092	0.0	2215.965	0.7680	ng/ml	100
T AR1016 5 #2	7.774	0.0	4582.857	2.0403	ng/ml	100
T AR1260 1	8.891	0.0	2244.037	0.0000	ng/ml	100
T AR1260 2	9.476	0.0	3571.917	0.1791	ng/ml	100
T AR1260 3	0.000		0	N.D.		
T AR1260 1 #2	10.348	0.0	3170.257	0.6663	ng/ml	100
T AR1260 4	10.524	0.0	8951.616	0.9584	ng/ml	100
T AR1260 2 #2	10.533	0.0	21884.267	3.8843	ng/ml	100
T AR1260 3 #2	10.953	0.0	4101.025	0.5590	ng/ml	100
T AR1260 5	11.313	0.0	71100.405	6.1146	ng/ml	100
T AR1260 4 #2	11.470	0.0	8536.577	2.1368	ng/ml	100
T AR1260 5 #2	12.173	0.0	2503.398	5.4308	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

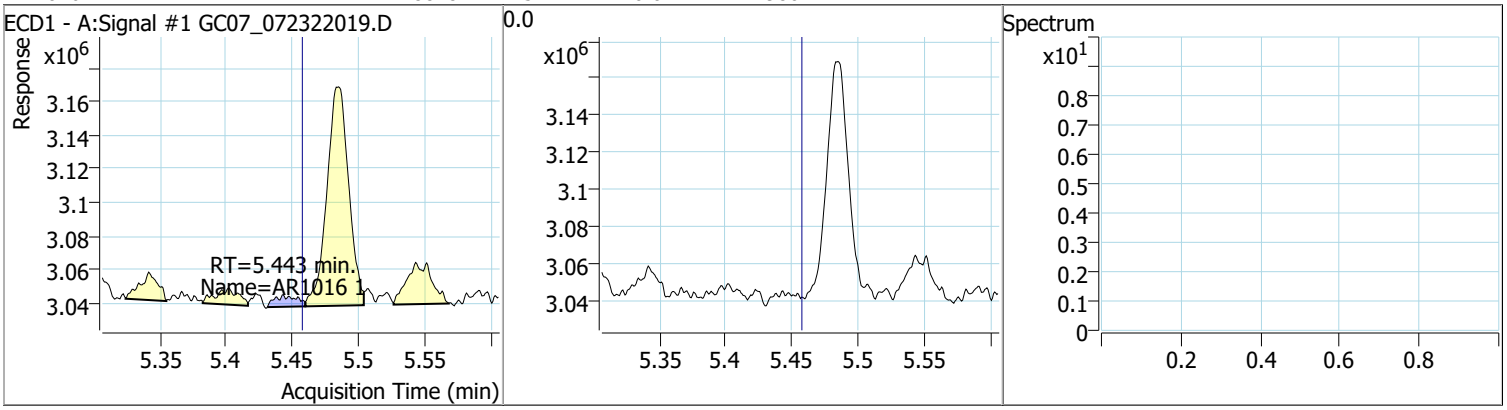
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	45.5014	5.11	0.00	9258749				



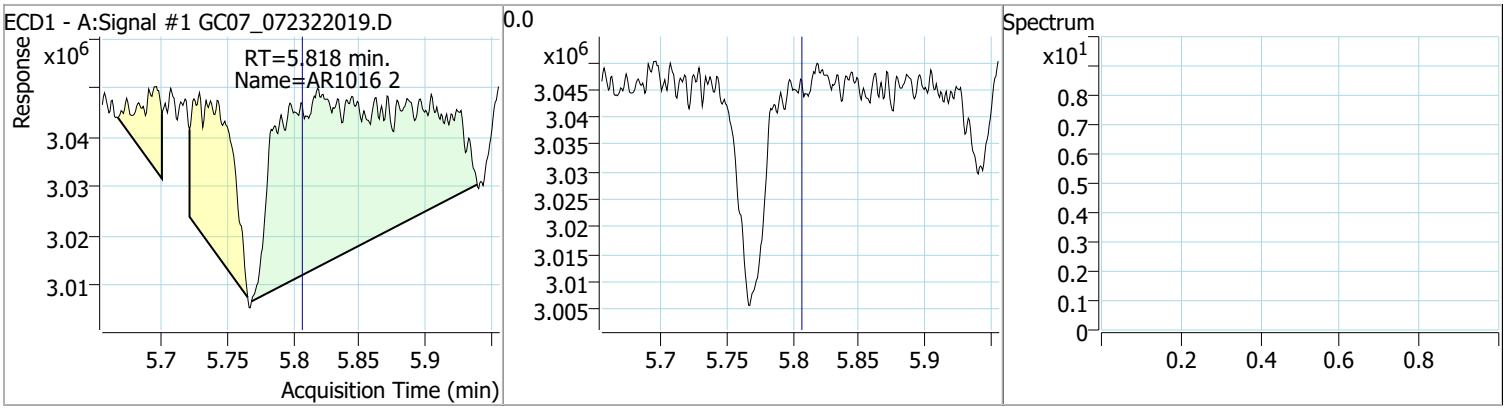
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	48.3648	5.42	0.00	3499322				



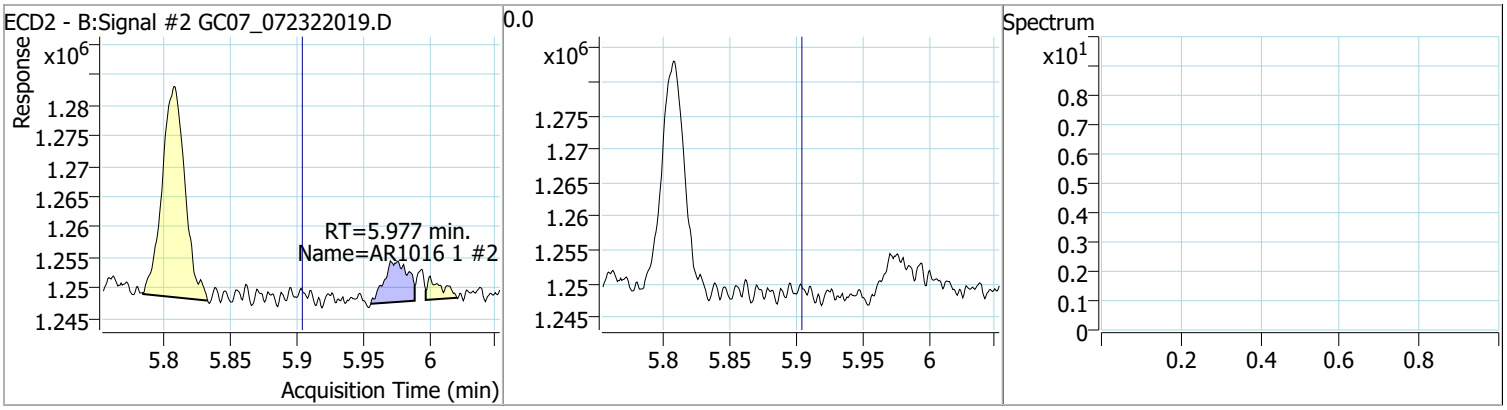
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1.8818	5.44	-0.01	7980				



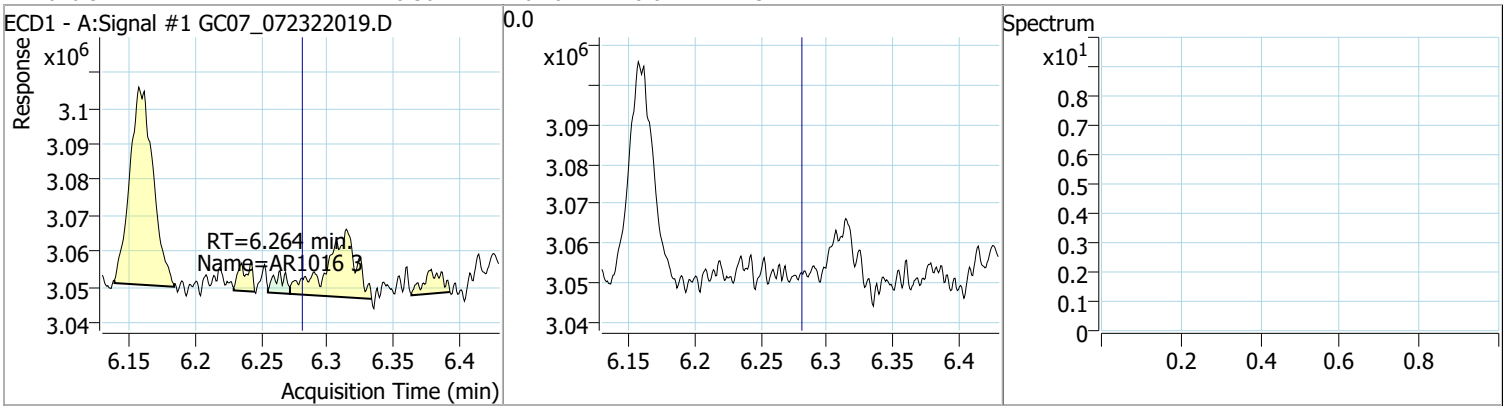
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.4684	5.82	0.01	243836				



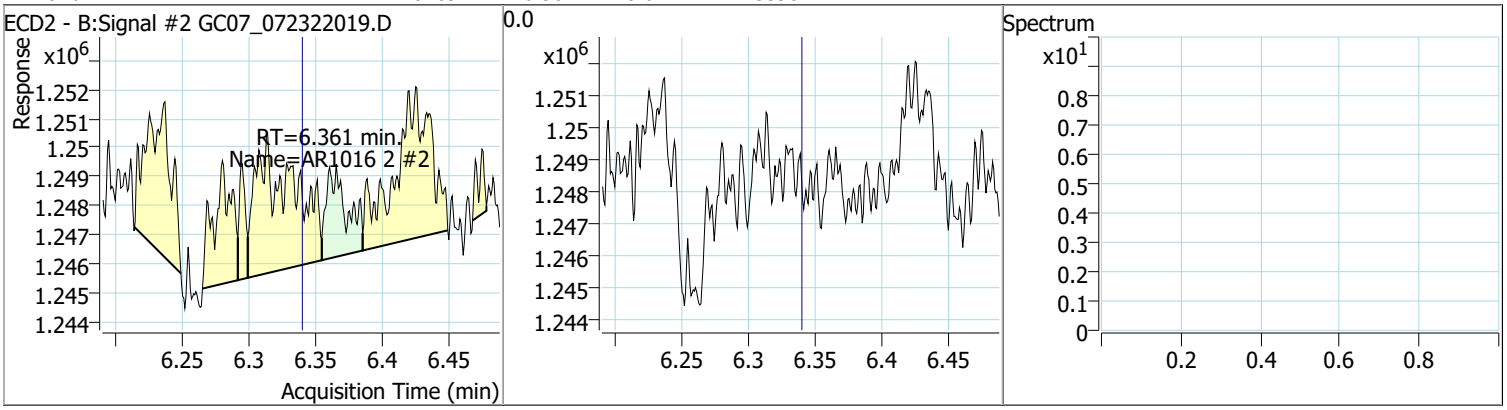
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	5.6080	5.98	0.07	8496				



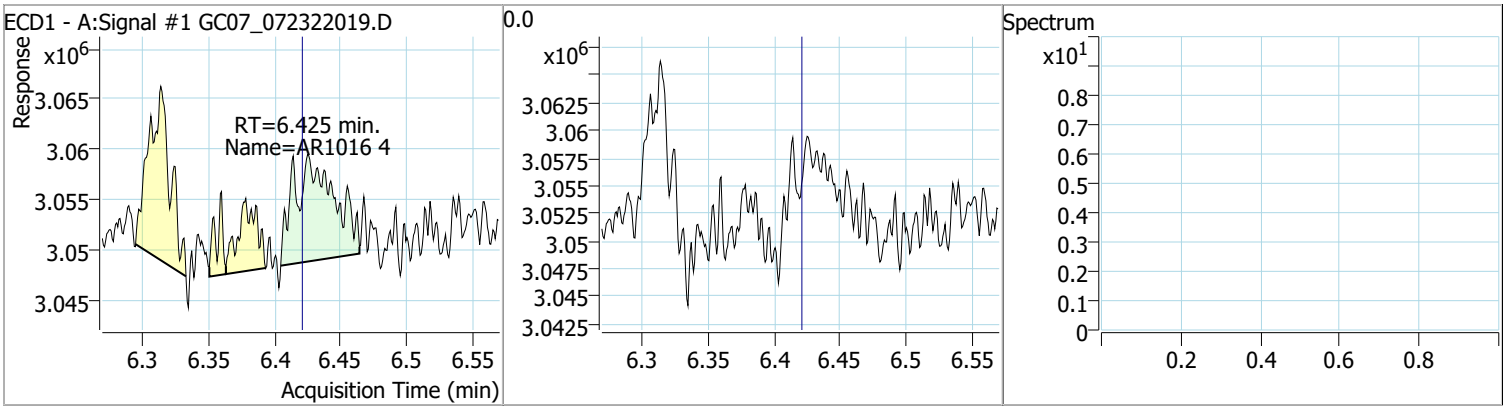
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	0.3614	6.26	-0.01	3742				



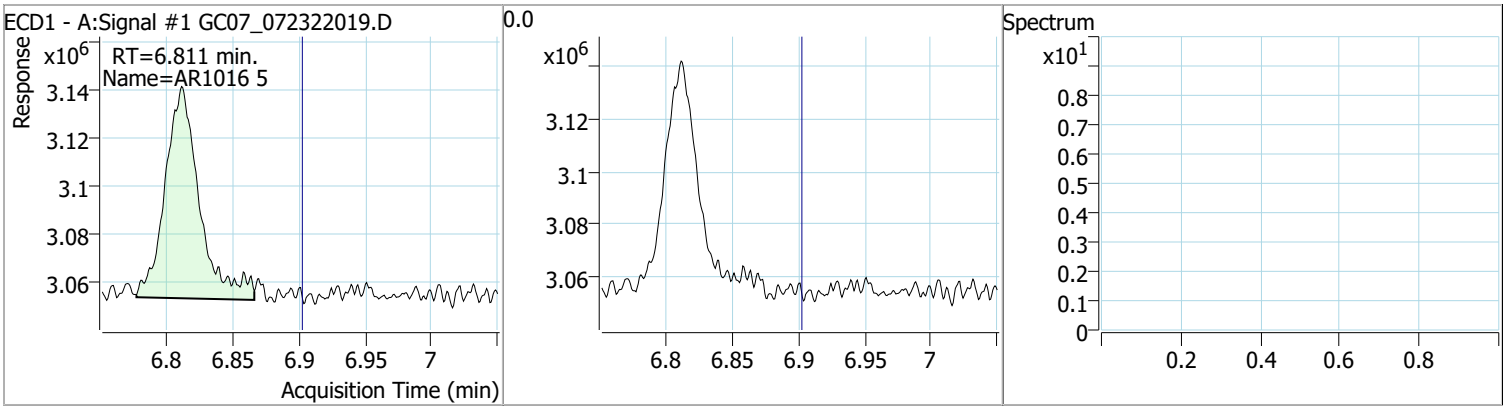
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1.0289	6.36	0.02	3395				



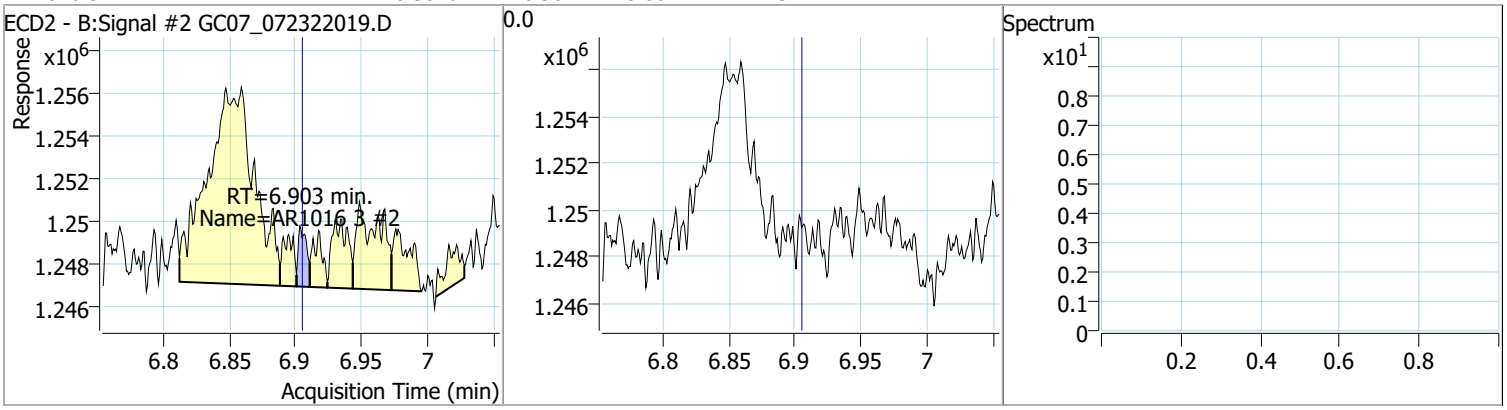
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	3.1729	6.43	0.01	22614				



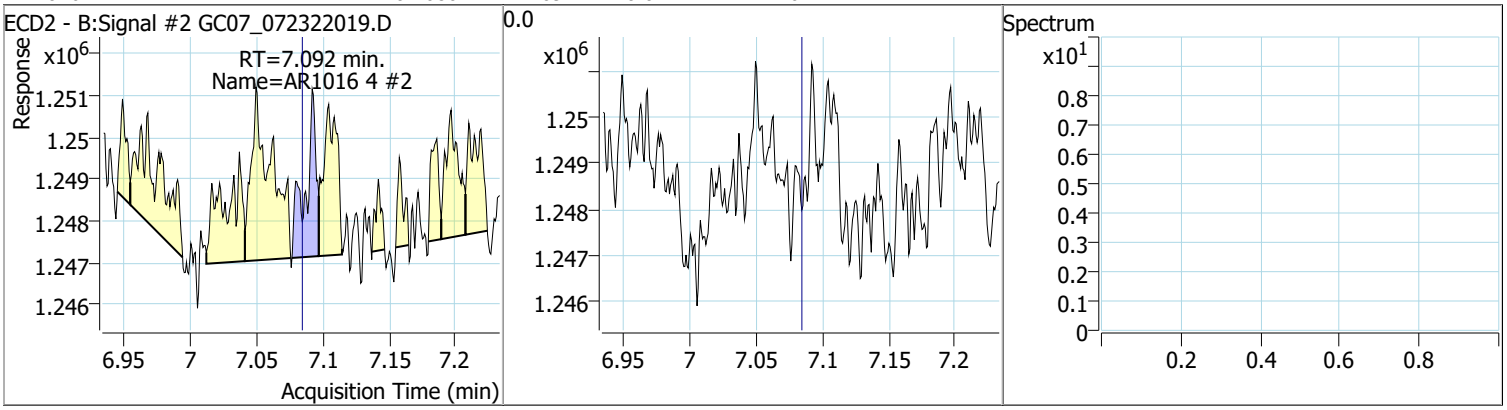
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	26.3192	6.81	-0.09	160120				



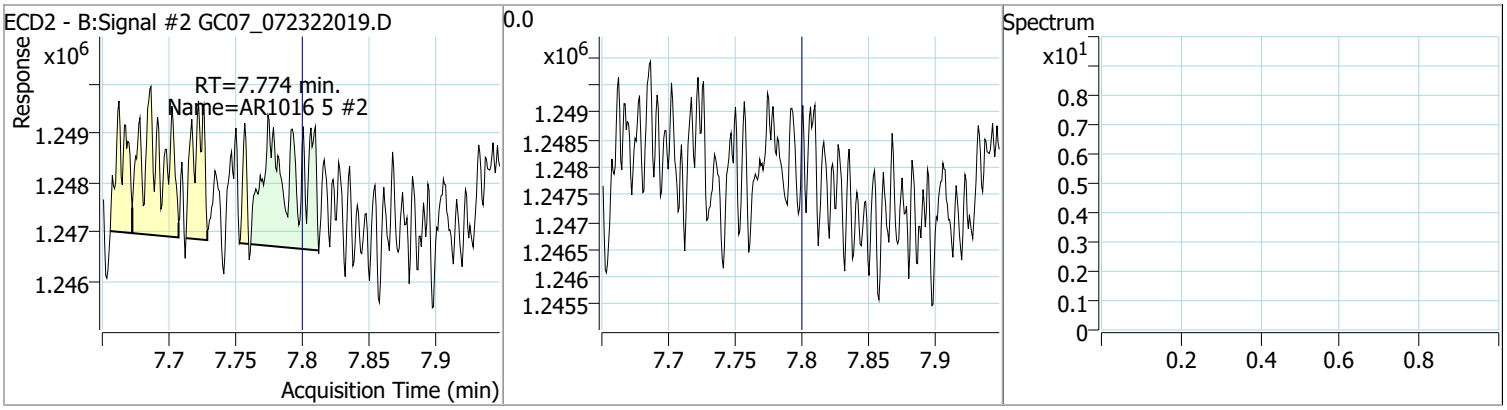
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	0.3076	6.90	0.00	1231				



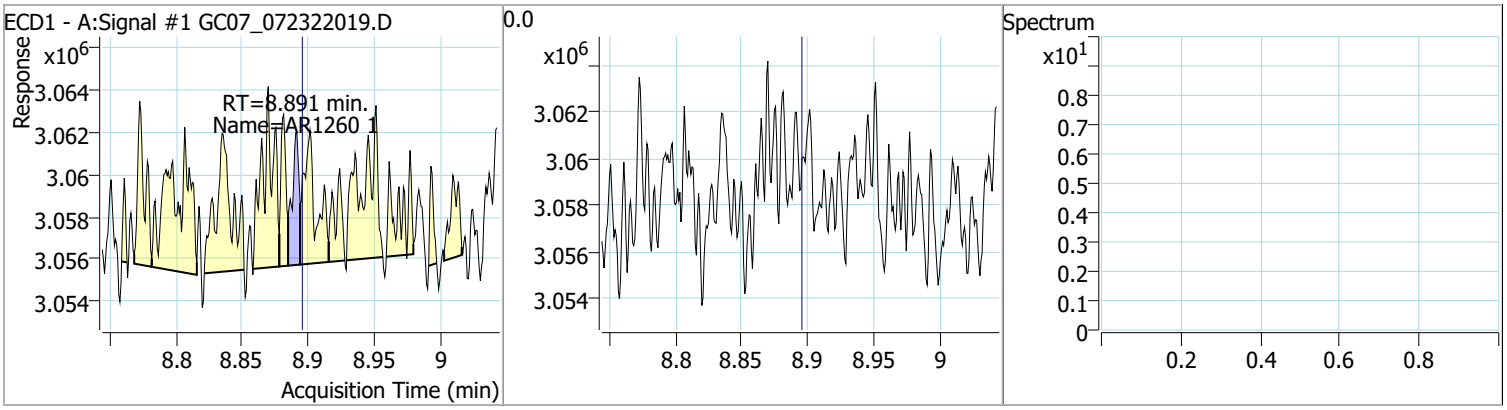
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.7680	7.09	0.01	2216				



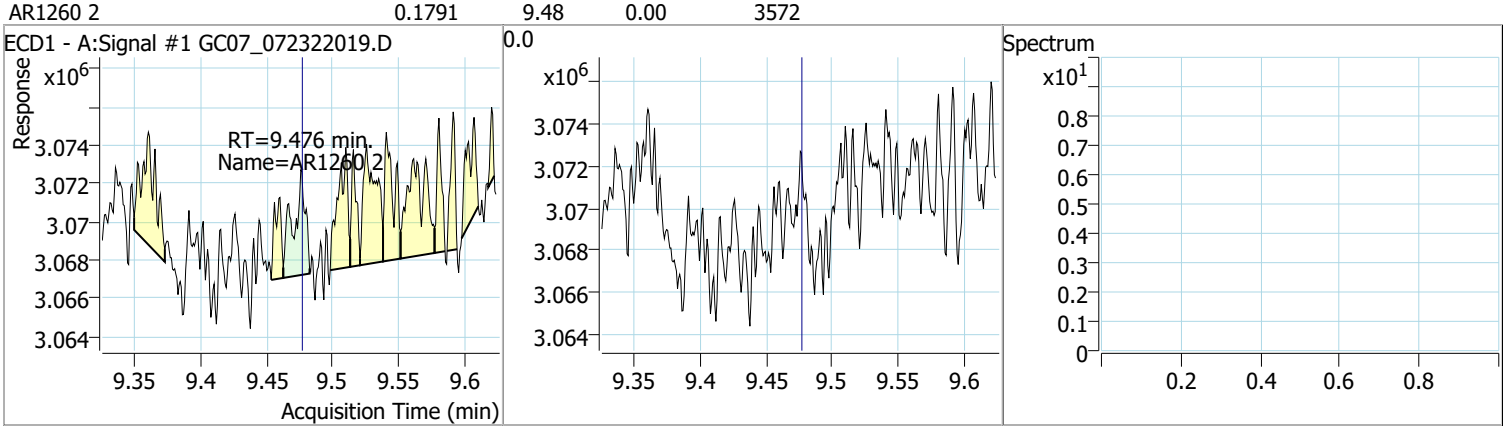
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.0403	7.77	-0.03	4583				



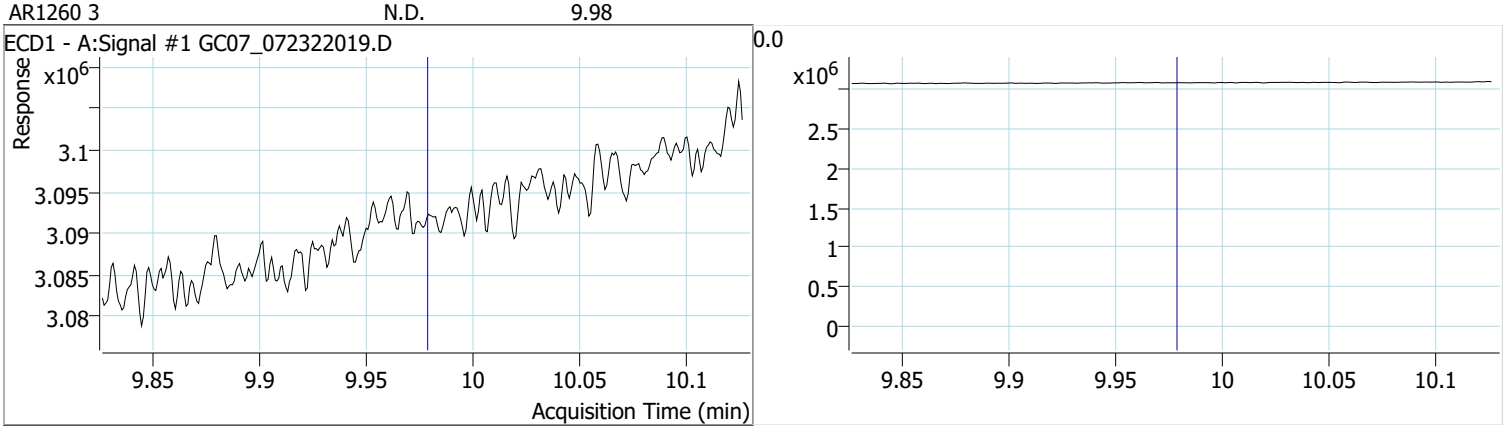
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	0.0000	8.89	0.00	2244				



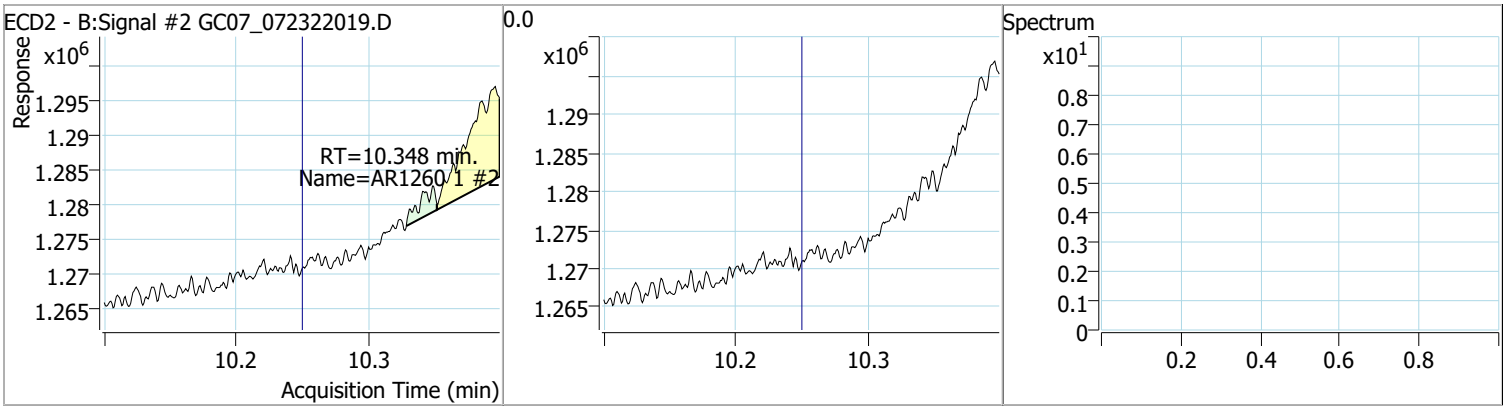
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.1791	9.48	0.00	3572				



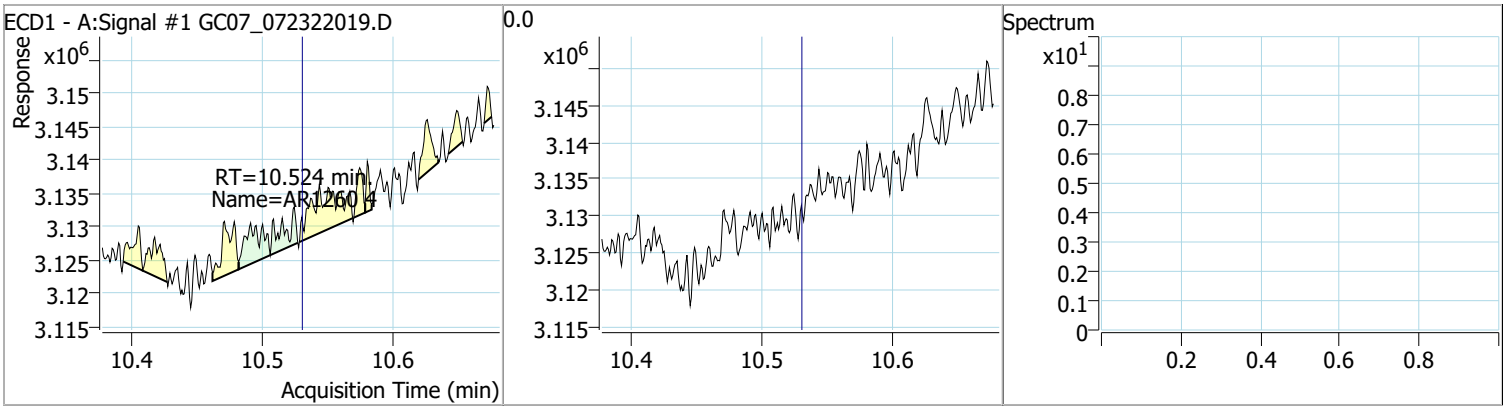
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 3	N.D.	9.98		



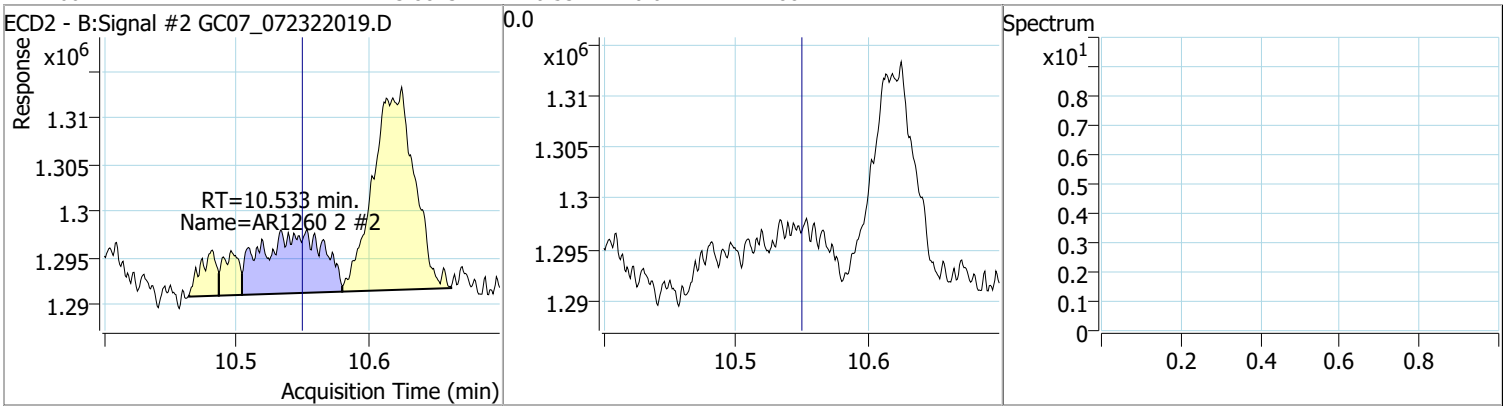
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.6663	10.35	0.10	3170				



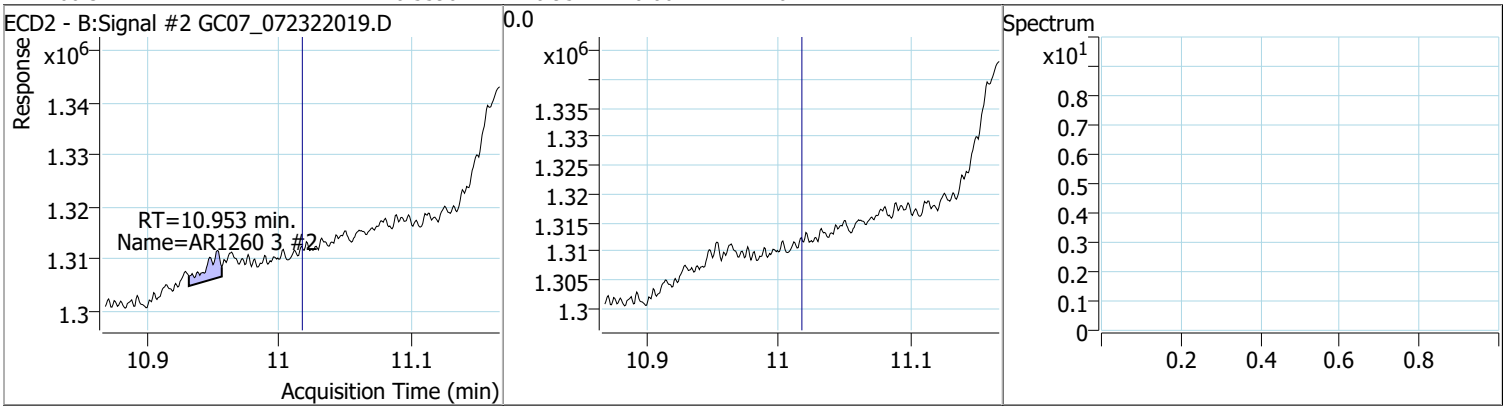
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	0.9584	10.52	0.00	8952				



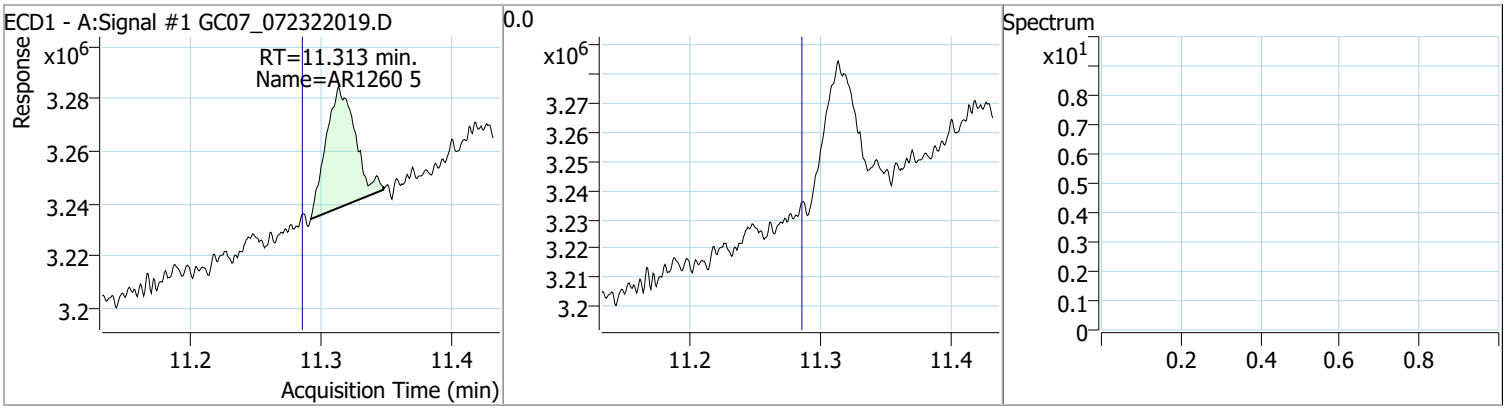
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.8843	10.53	-0.02	21884				



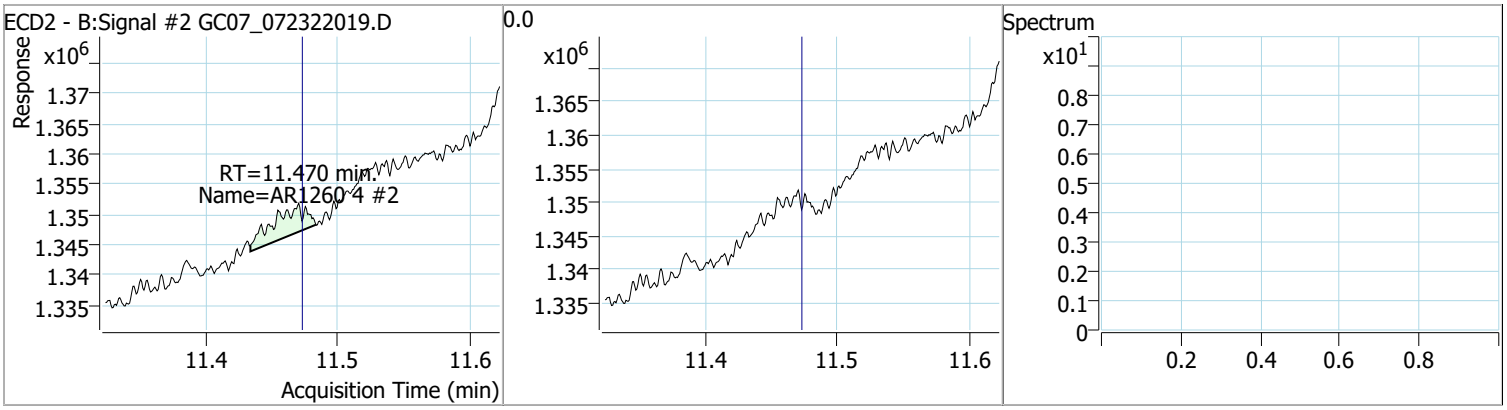
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	0.5590	10.95	-0.06	4101				



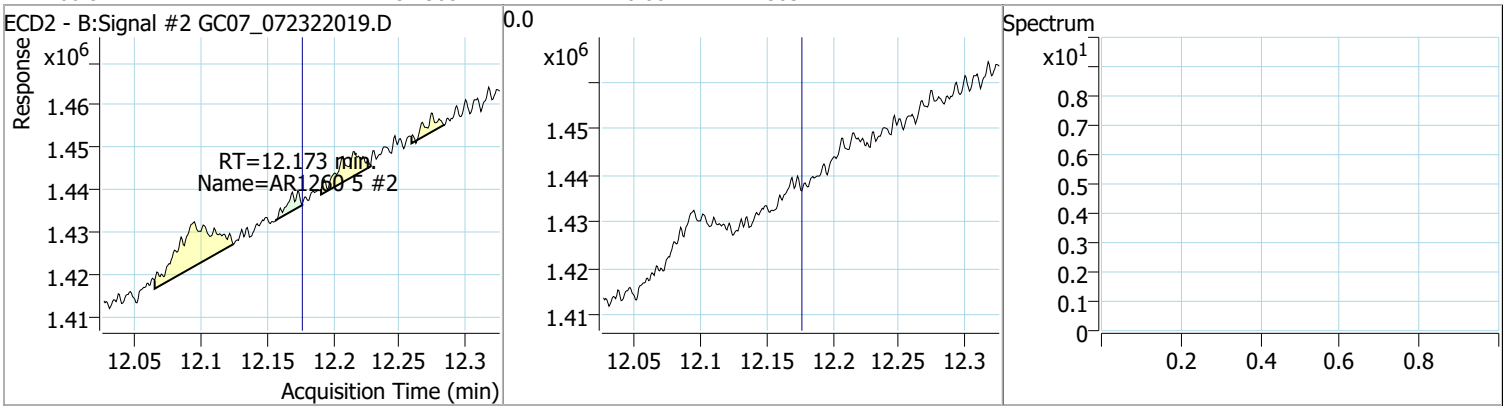
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	6.1146	11.31	0.03	71100				



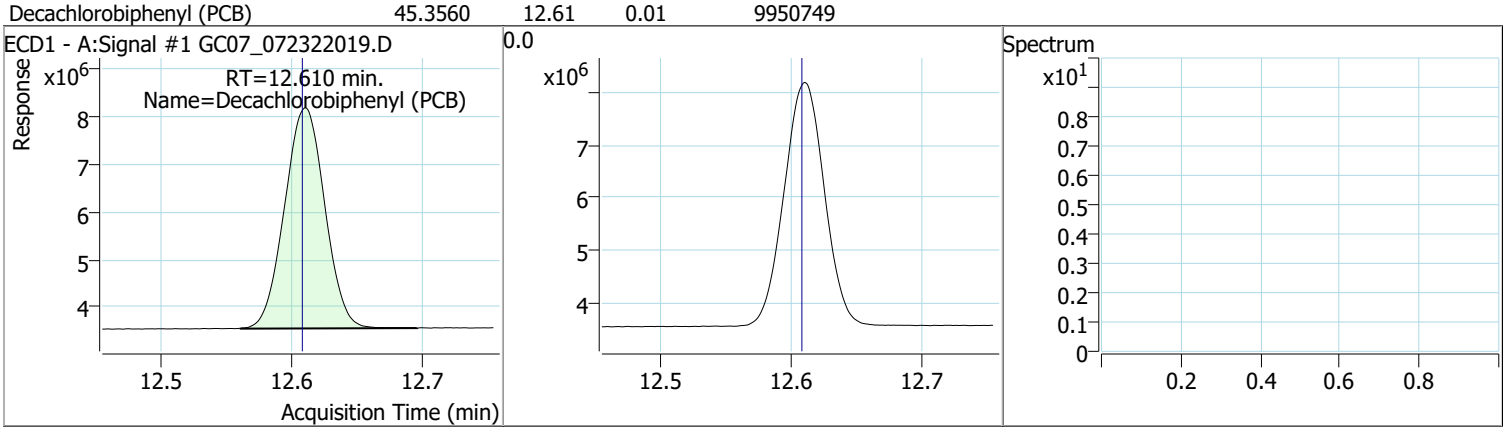
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	2.1368	11.47	0.00	8537				



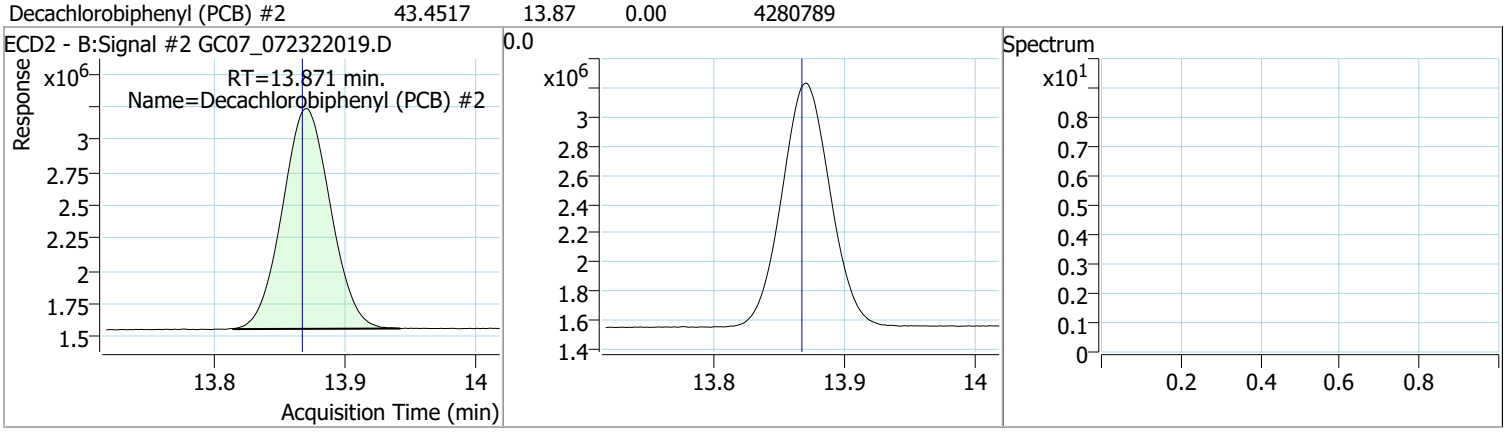
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	5.4308	12.17	0.00	2503				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	45.3560	12.61	0.01	9950749				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	43.4517	13.87	0.00	4280789				



ENTHALPY SPIKE USER REPORT FOR 465874 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC07	Inst:	SVOA-GC07
Seqnum:	462294741020.6	Seqnum:	462294741021.6
File:	gc07_072322020	File:	gc07_072322021
IDF:	1.0	IDF:	1.0
Lab ID:	QC1001815	Lab ID:	QC1001816
Matrix:	Wipe	Matrix:	Wipe
Batch:	293412	Batch:	293412
Time:	23-JUL-2022 21:31	Time:	23-JUL-2022 21:48
Cal:	462293080002	Cal:	462293080002
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	454.4	4.544	B	91	434.7	4.347	B	87	60-140	4	20	u
Aroclor-1016 Peak # 1		470.5	4.705	B		452.1	4.521	B					
Aroclor-1016 Peak # 2		446.6	4.466	B		429.6	4.296	B					
Aroclor-1016 Peak # 3		447.3	4.473	B		427.5	4.275	B					
Aroclor-1016 Peak # 4		449.3	4.493	B		429.7	4.297	B					
Aroclor-1016 Peak # 5		458.5	4.585	B		434.4	4.344	B					
Aroclor-1260	5.000	482.6	4.826	B	97	466.0	4.660	B	93	60-140	4	20	u
Aroclor-1260 Peak # 1		445.6	4.456	B		442.7	4.427	B					
Aroclor-1260 Peak # 2		455.4	4.554	B		436.7	4.367	B					
Aroclor-1260 Peak # 3		446.6	4.466	B		428.9	4.289	B					
Aroclor-1260 Peak # 4		527.8	5.278	B		502.5	5.025	B					
Aroclor-1260 Peak # 5		537.9	5.379	B		519.1	5.191	B					
Surrogates													
TCMX (PCB)	0.5000	44.92	0.4492	B	90	43.91	0.4391	B	88	52-186			c- u
Decachlorobiphenyl (PCB)	0.5000	41.25	0.4125	B	82	40.51	0.4051	B	81	60-140			c- u

ISTD (CCV gc07_072322004)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1700652	1696443	-0.25
1-bromo-2-nitrobenzene (PCB)	A	4666126	3076281	-34.07

ISTD (CCV gc07_072322004)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.46	4.46	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

ISTD (CCV gc07_072322004)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1700652	1644266	-3.32
1-bromo-2-nitrobenzene (PCB)	A	4666126	2983430	-36.06

ISTD (CCV gc07_072322004)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.46	4.46	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

TRN 07/25/22 [Aroclor-1260 Peak # 4 B]: Corrected fronting or tailing peak integration for Ch. B for spike & dup. [general version]

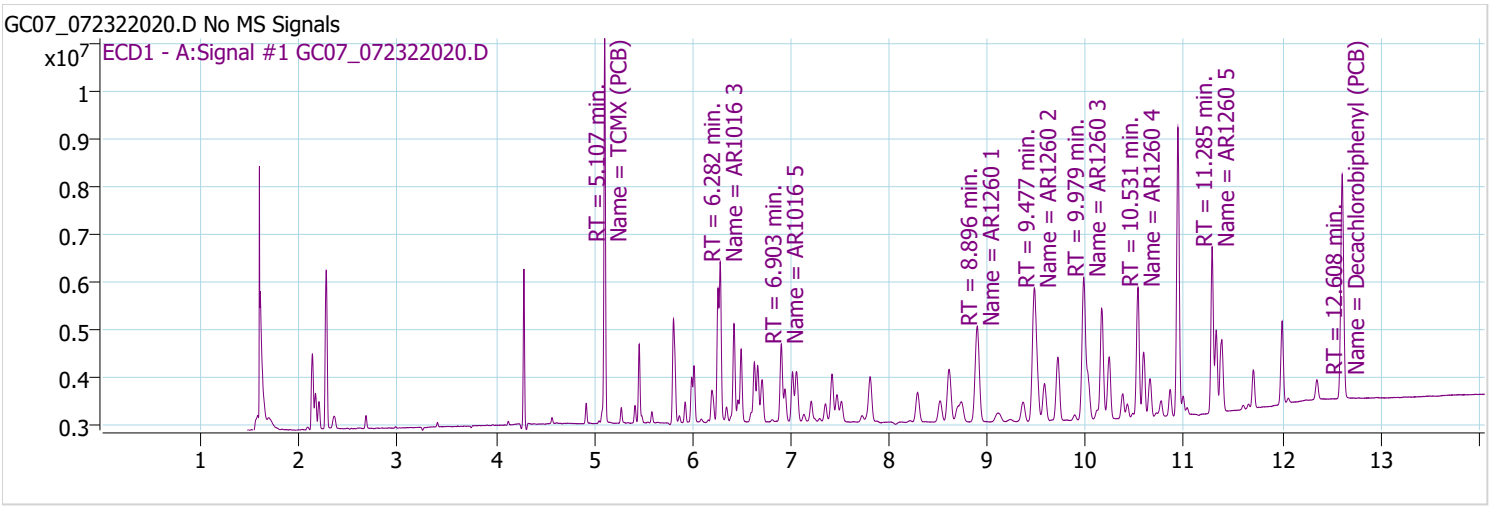
-=low bias c=CCV u=use

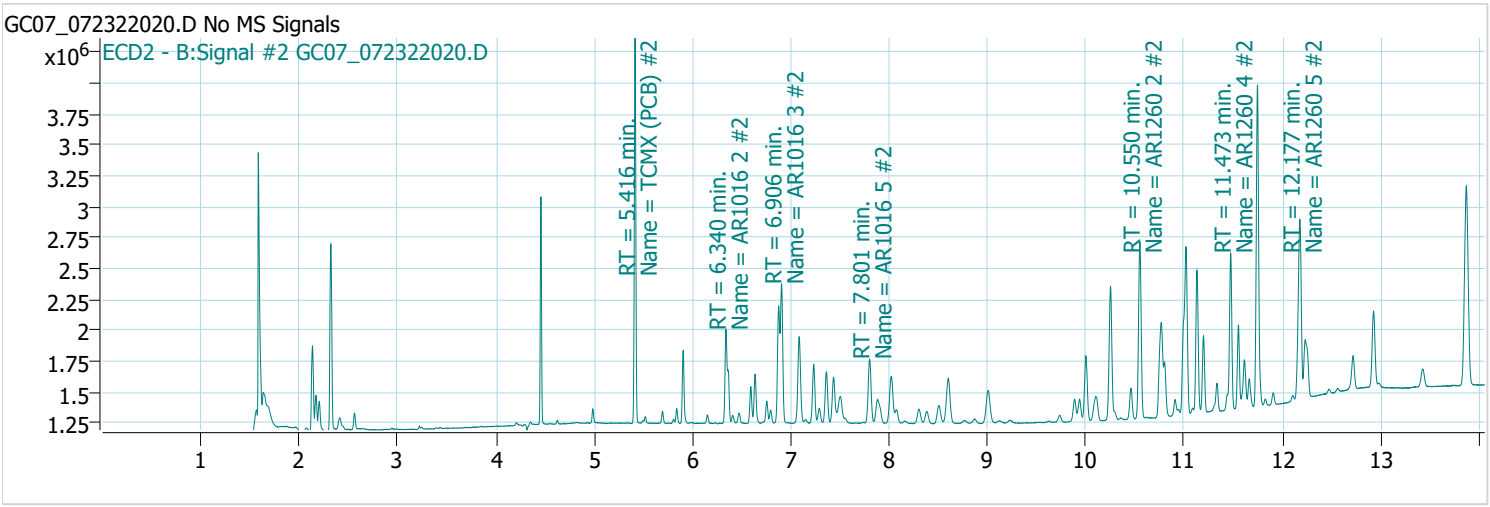
Analyst: TRN 07/25/22 *

Reviewer: SLL 07/25/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_072322020.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/23/2022 9:31:19 PM
Sample Name	QC1001815, 293412, 1	Instrument	SVOA-GC07
Vial	2	Multiplier	1.00
DA Method File	PCB_608_072222_GC07_1.m	Comment	WIPE/1S-20 ML
Tune File	ATUNE.U	Tune Date	
Batch Name	072322PCB.batch.bin	Last Calib Update	7/23/2022 5:05:17 PM
Ref Library			



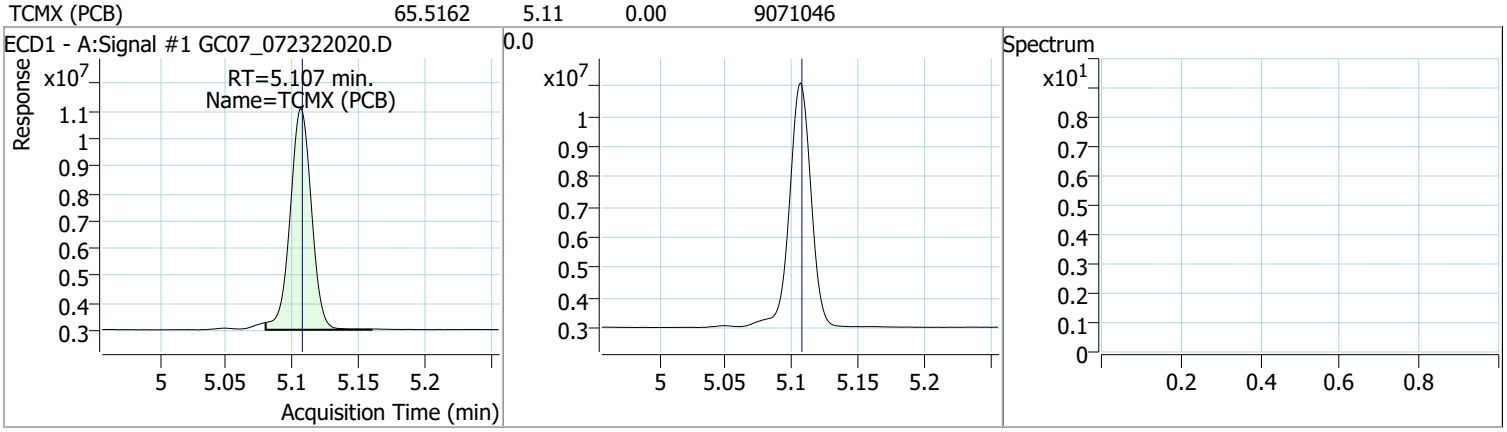


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.285	0.0	3076281.480	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.458	0.0	1696442.574	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.107	0.0	9071046.276	65.5162	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 327.58%		*	
S TCMX (PCB) #2	5.416	0.0	3383294.270	44.8985	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 224.49%		*	
S Decachlorobiphenyl (PCB)	12.608	0.0	9801323.953	65.6573	ng/ml		0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 328.29%		*	
S Decachlorobiphenyl (PCB) #2	13.869	0.0	4229898.741	41.2249	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 206.12%		*	
Target Compounds							QValue

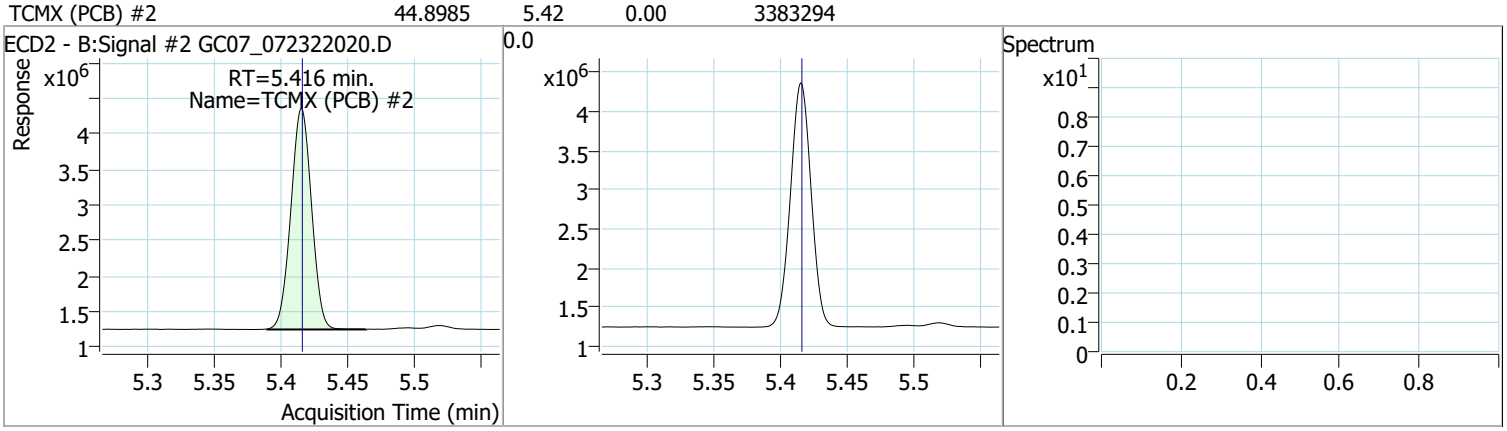
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.458	0.0	2104601.712	729.4064	ng/ml		100
T AR1016 2	5.807	0.0	4007719.341	790.4047	ng/ml		100
T AR1016 1 #2	5.905	0.0	741980.316	470.2726	ng/ml		100
T AR1016 3	6.282	0.0	4784961.422	679.1440	ng/ml		100
T AR1016 2 #2	6.340	0.0	1533948.982	446.3827	ng/ml		100
T AR1016 4	6.422	0.0	3155055.687	650.5856	ng/ml		100
T AR1016 5	6.903	0.0	2874973.498	694.5110	ng/ml		100
T AR1016 3 #2	6.906	0.0	1863091.514	447.0865	ng/ml		100
T AR1016 4 #2	7.085	0.0	1349545.743	449.0703	ng/ml		100
T AR1016 5 #2	7.801	0.0	1072001.886	458.2437	ng/ml		100
T AR1260 1	8.896	0.0	6021030.670	830.8775	ng/ml		100
T AR1260 2	9.477	0.0	8918211.982	657.2364	ng/ml		100
T AR1260 3	9.979	0.0	9432728.554	717.0398	ng/ml		100
T AR1260 1 #2	10.252	0.0	2206990.069	445.3939	ng/ml		100
T AR1260 4	10.531	0.0	5149663.449	810.2732	ng/ml		100
T AR1260 2 #2	10.550	0.0	2670737.405	455.1502	ng/ml		100
T AR1260 3 #2	11.018	0.0	3409952.619	446.3250	ng/ml		100
T AR1260 5	11.285	0.0	6016695.158	760.4513	ng/ml		100
T AR1260 4 #2	11.473	0.0	2194738.835	527.4882	ng/ml	m	100
T AR1260 5 #2	12.177	0.0	3202211.220	537.3599	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

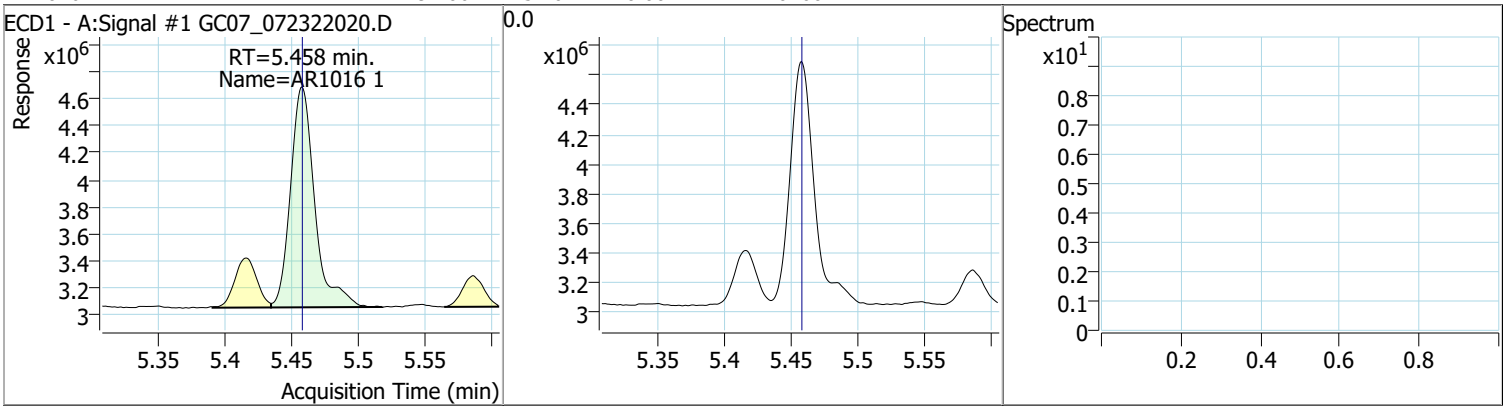
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	65.5162	5.11	0.00	9071046				



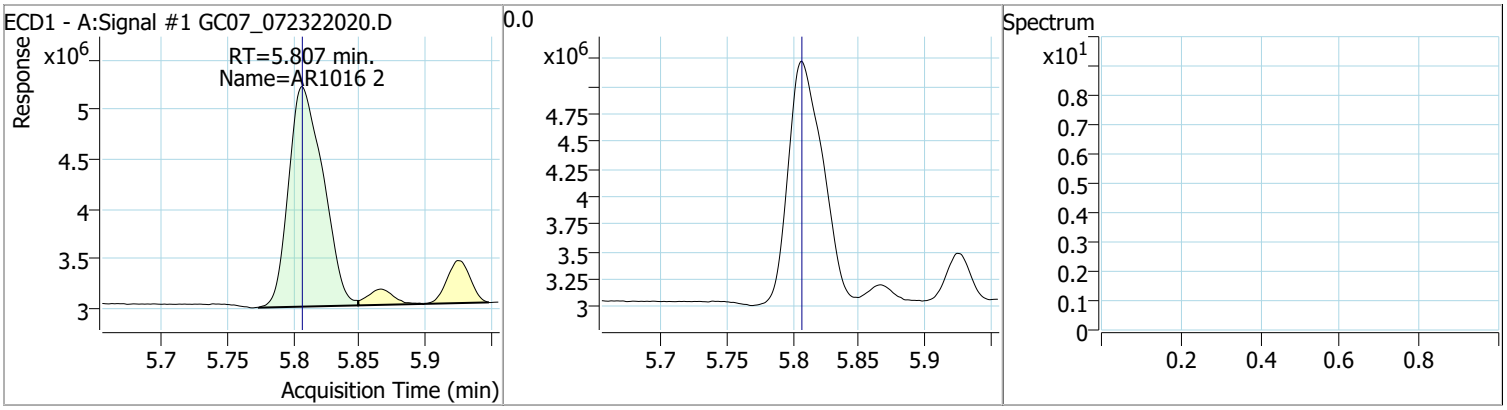
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	44.8985	5.42	0.00	3383294				



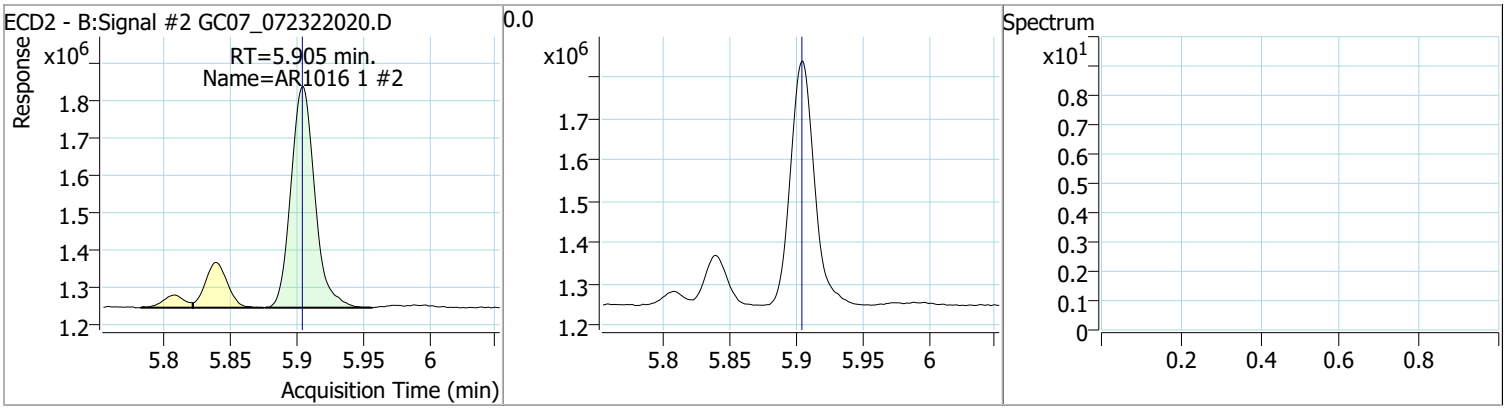
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	729.4064	5.46	0.00	2104602				



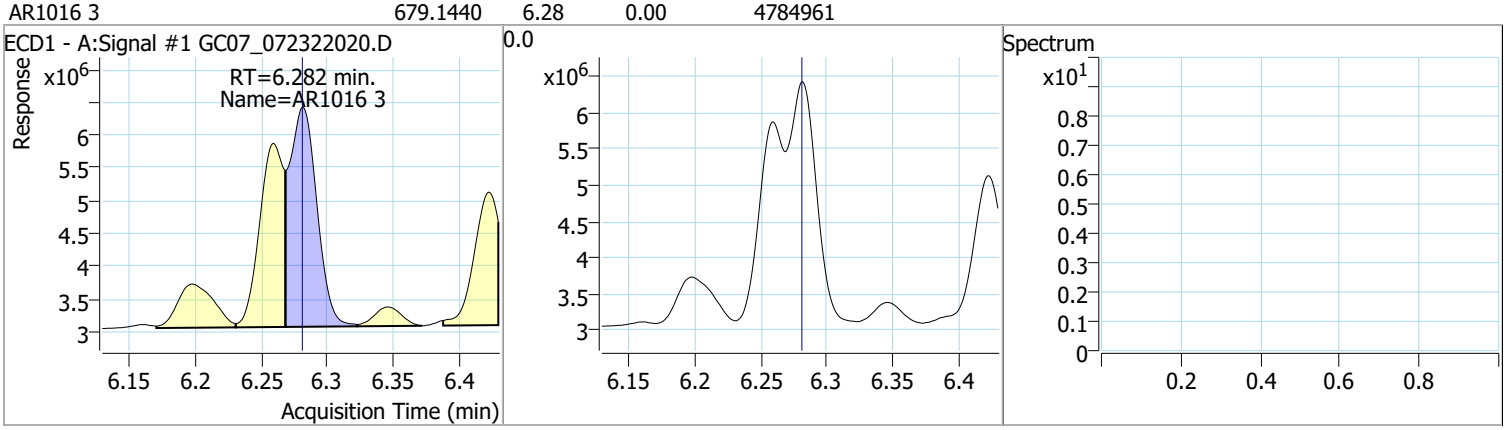
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	790.4047	5.81	0.00	4007719				



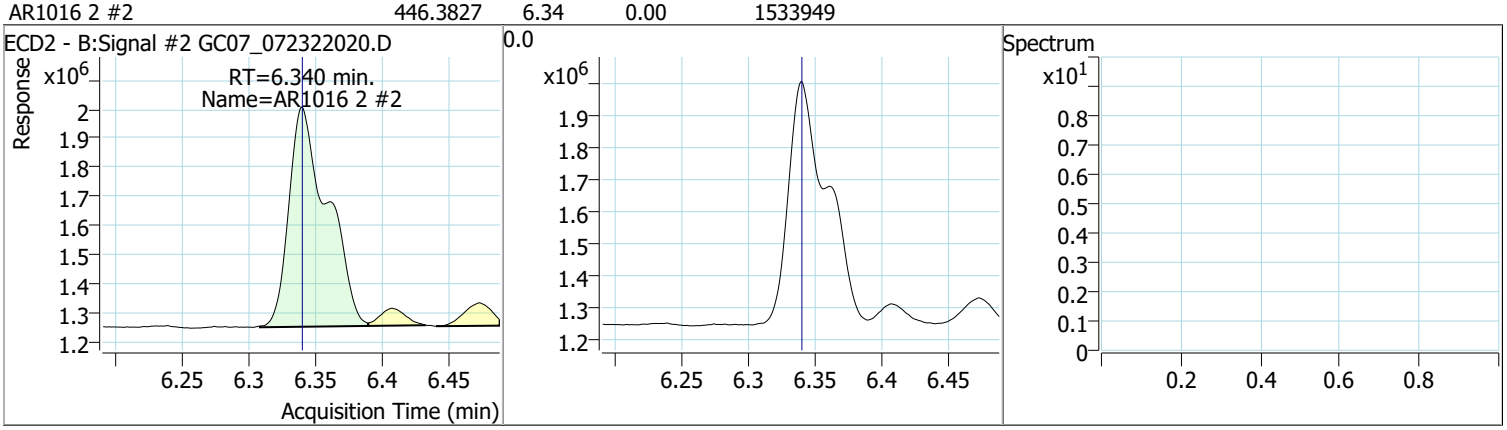
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	470.2726	5.91	0.00	741980				



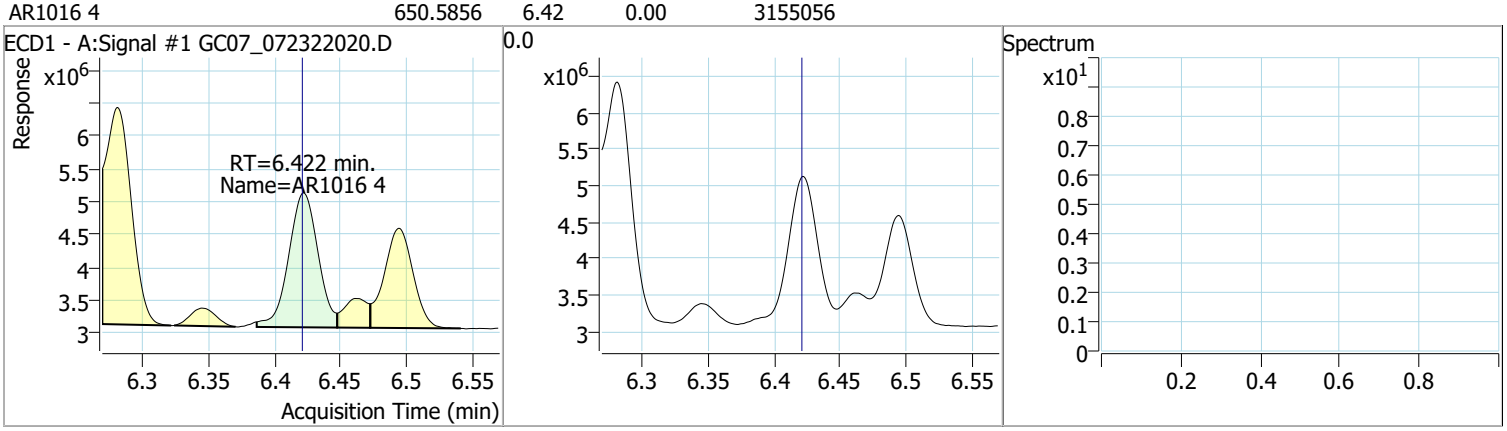
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	679.1440	6.28	0.00	4784961				



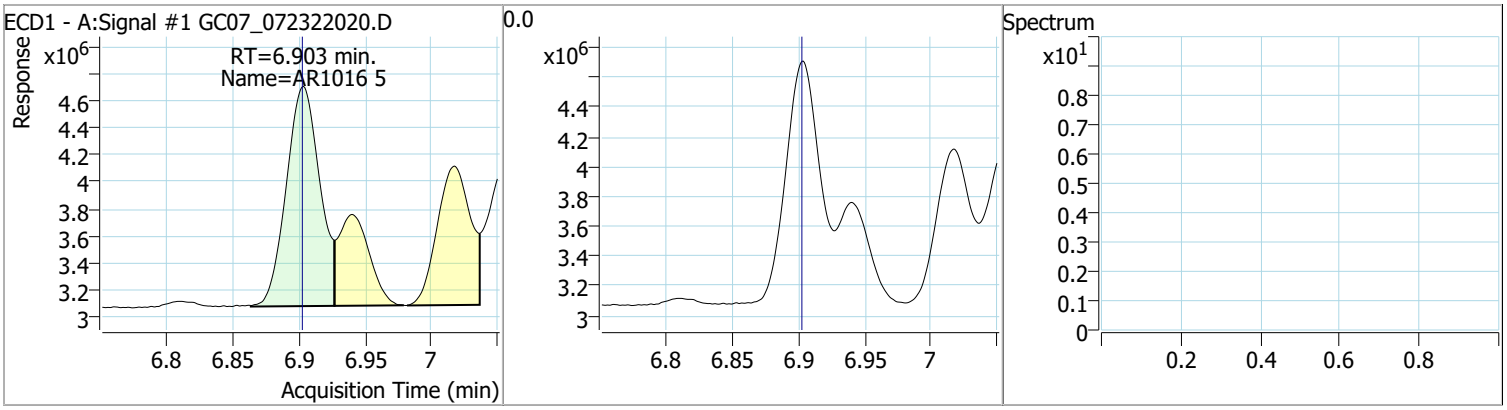
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	446.3827	6.34	0.00	1533949				



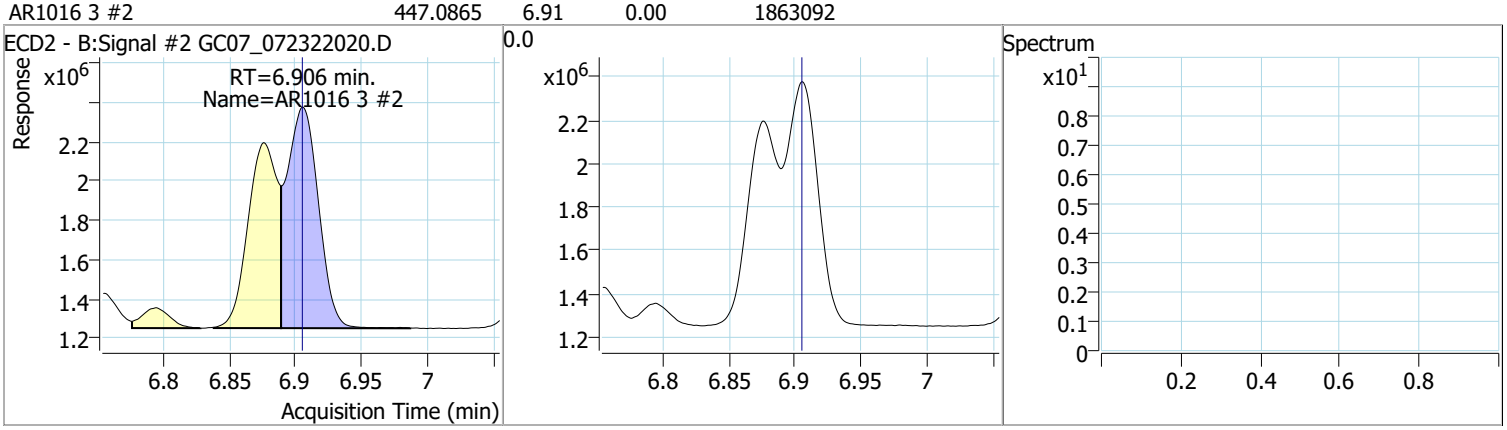
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	650.5856	6.42	0.00	3155056				



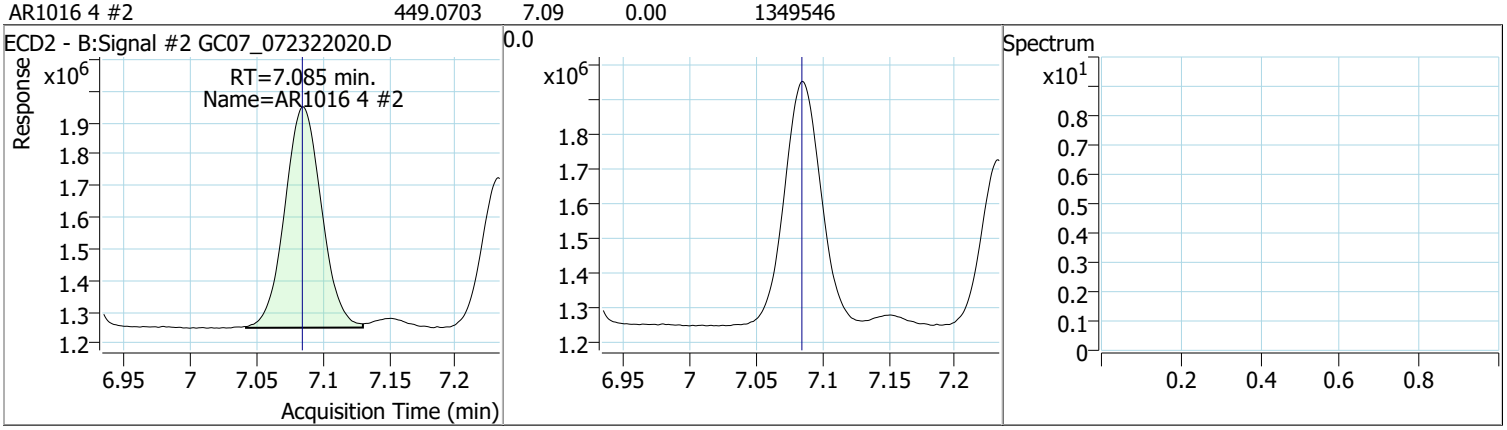
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	694.5110	6.90	0.00	2874973				



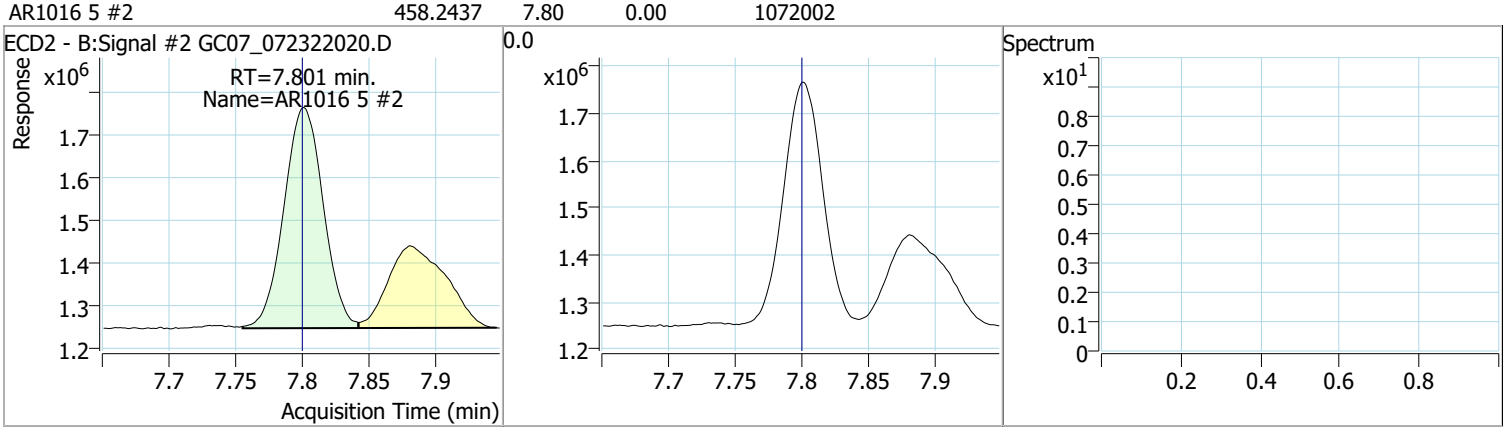
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	447.0865	6.91	0.00	1863092				



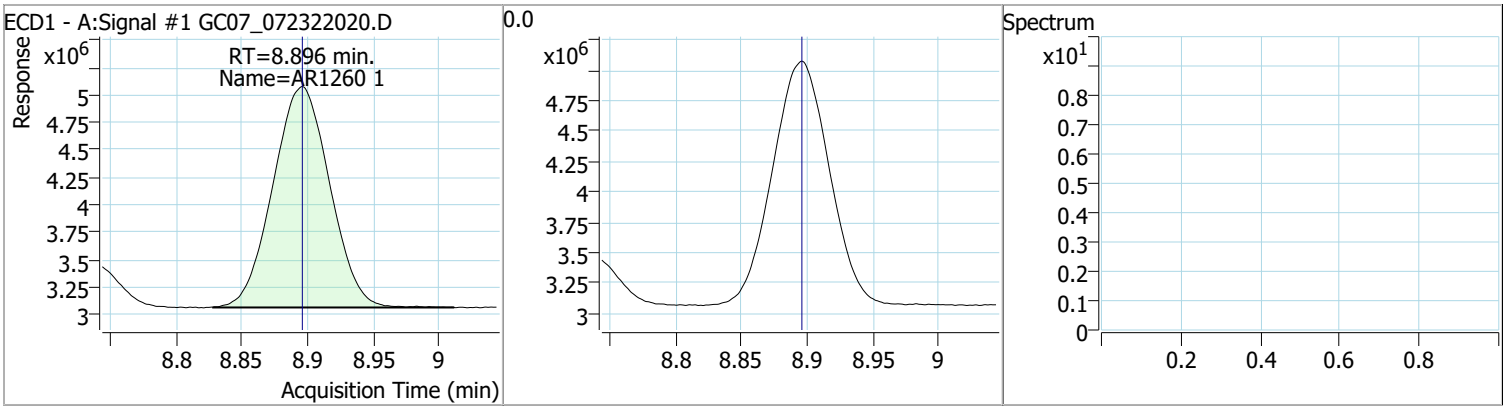
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	449.0703	7.09	0.00	1349546				



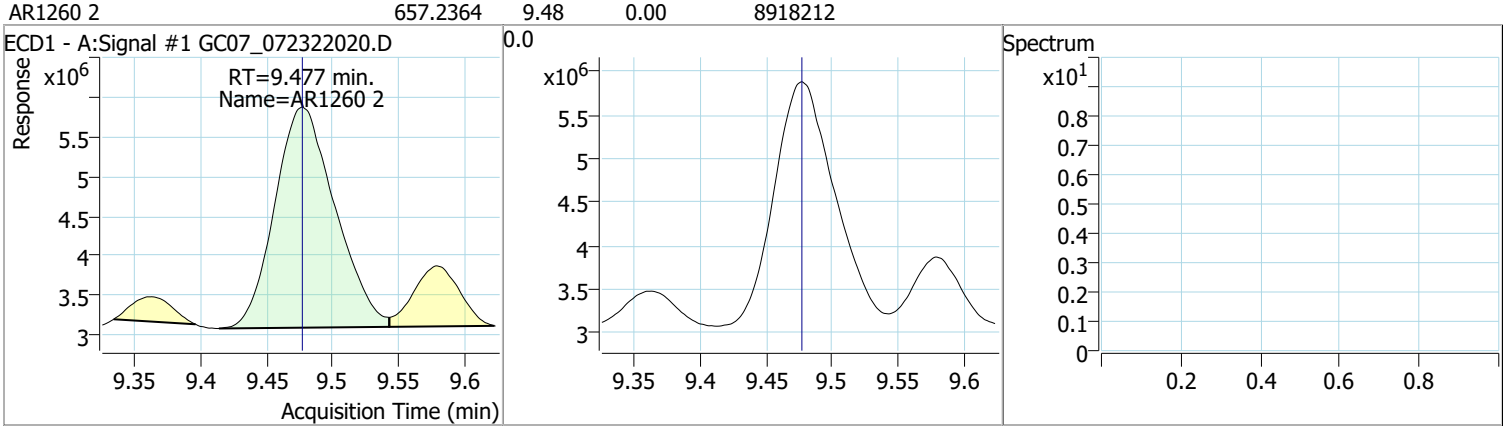
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	458.2437	7.80	0.00	1072002				



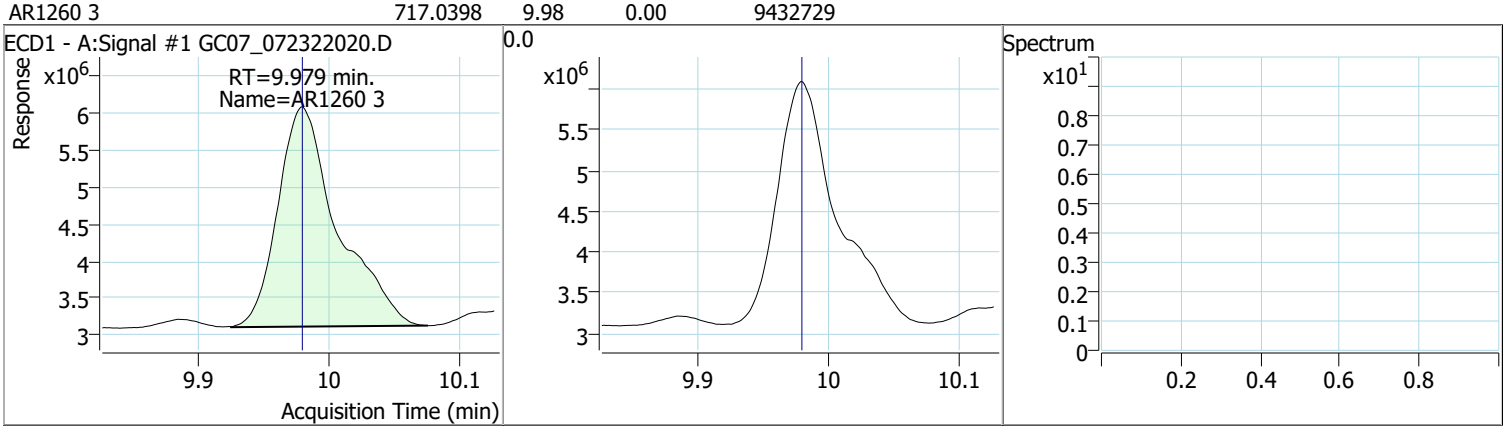
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	830.8775	8.90	0.00	6021031				



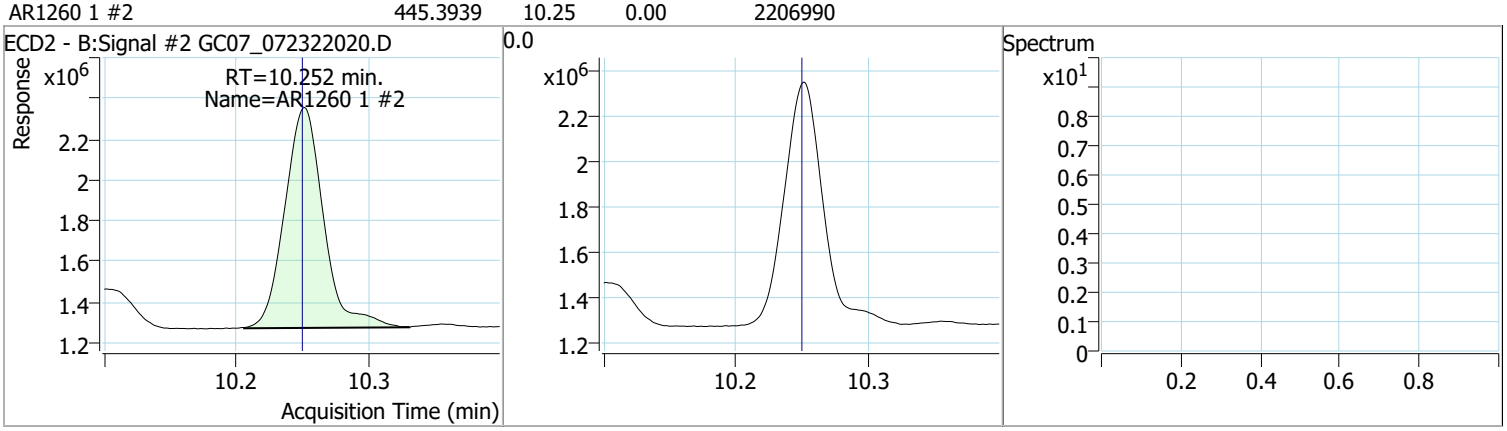
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	657.2364	9.48	0.00	8918212				



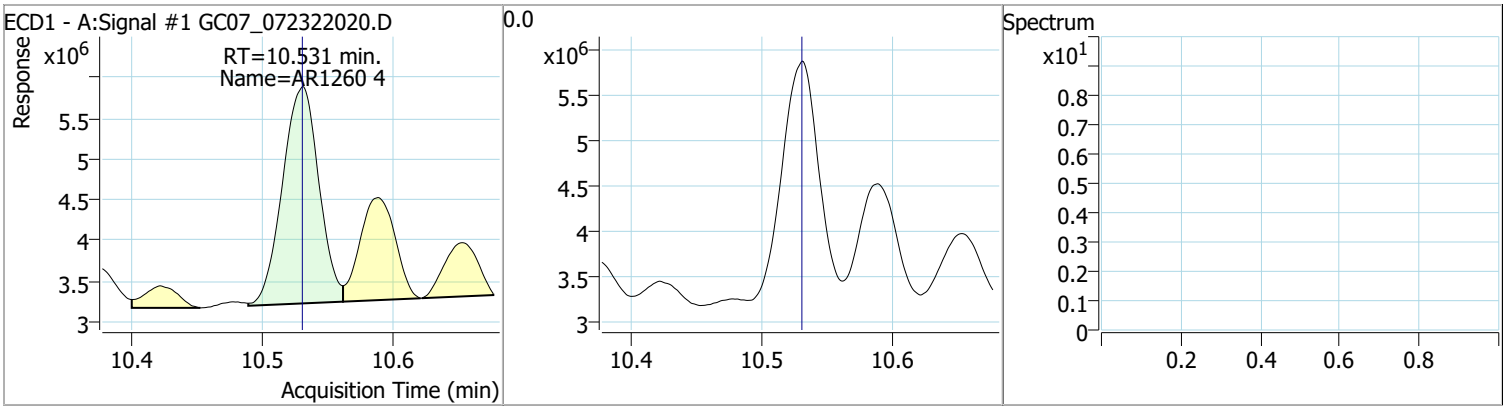
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	717.0398	9.98	0.00	9432729				



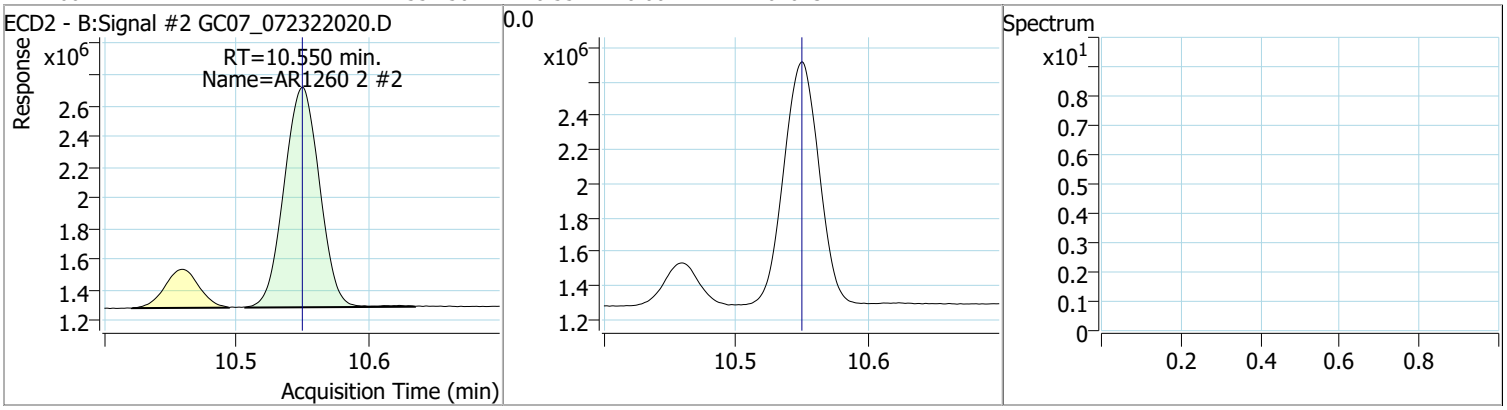
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	445.3939	10.25	0.00	2206990				



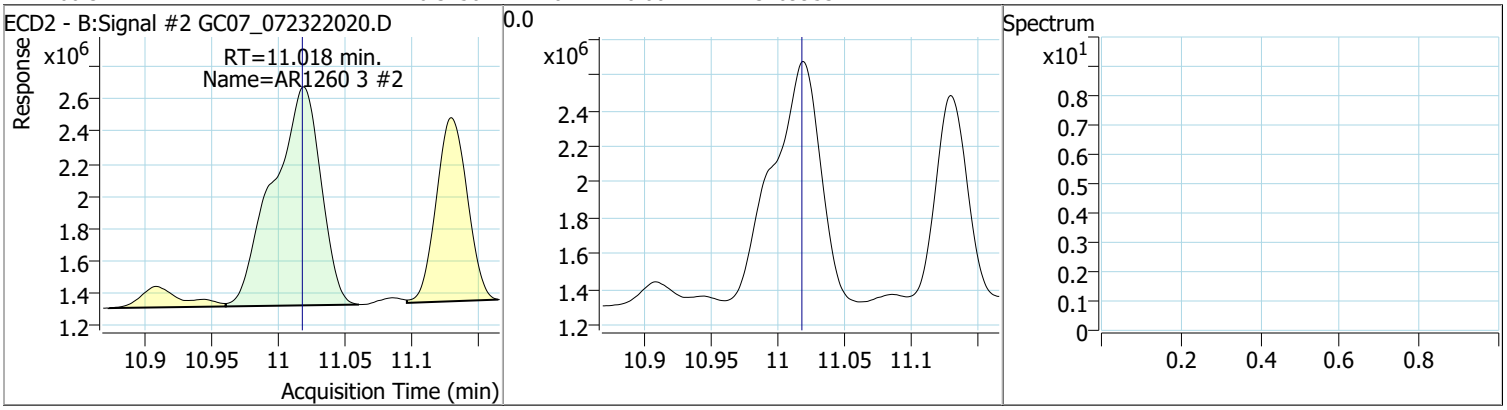
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	810.2732	10.53	0.00	5149663				



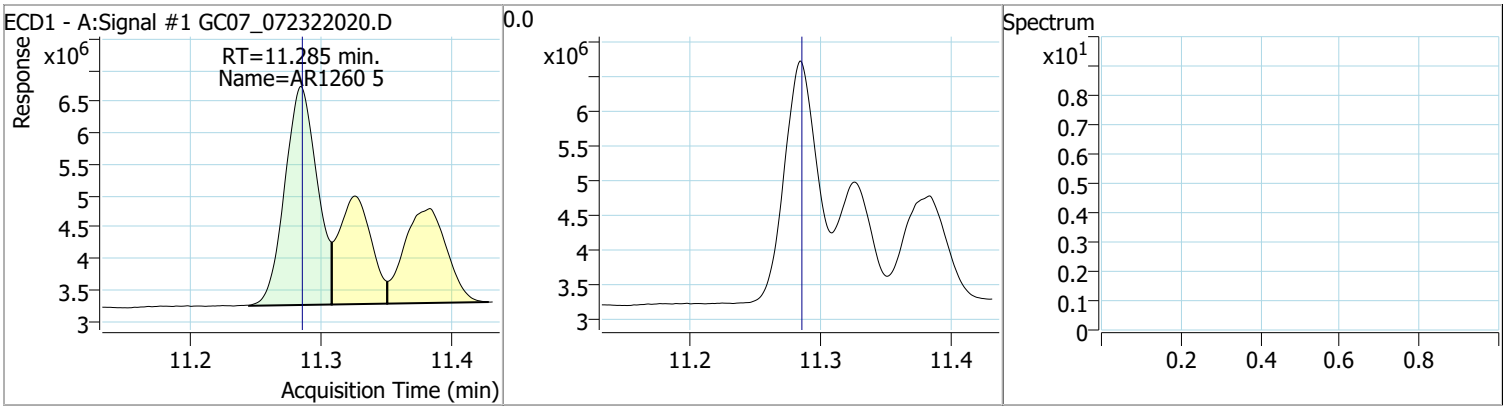
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	455.1502	10.55	0.00	2670737				



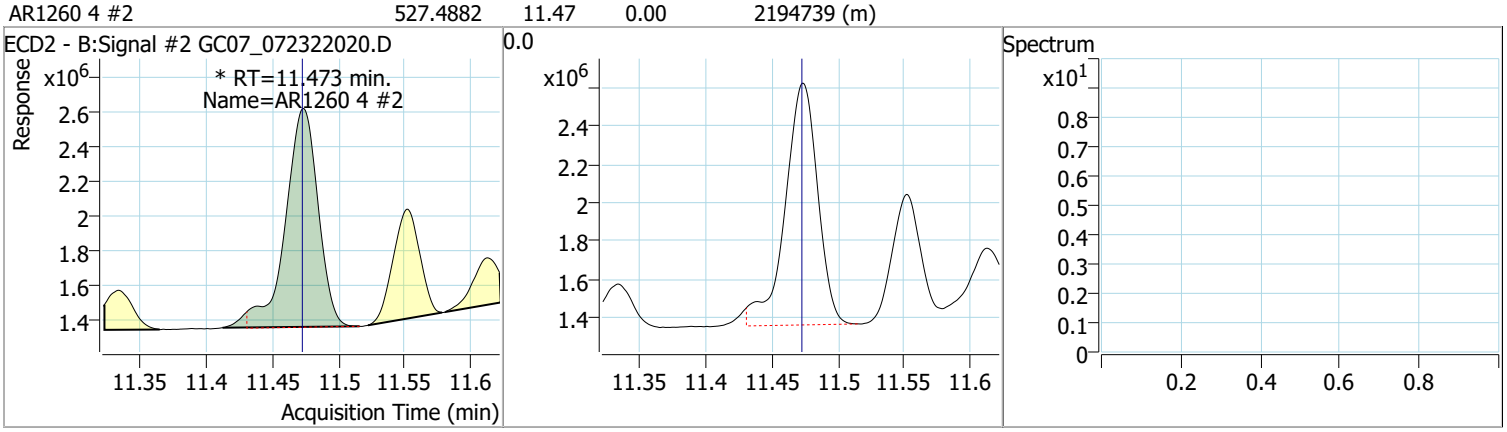
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	446.3250	11.02	0.00	3409953				



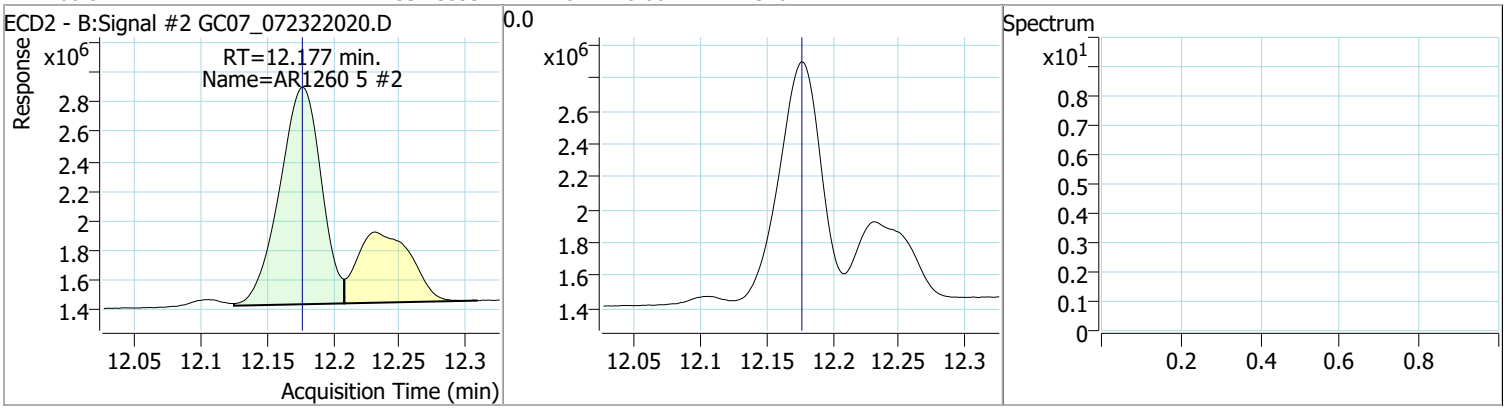
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	760.4513	11.29	0.00	6016695				



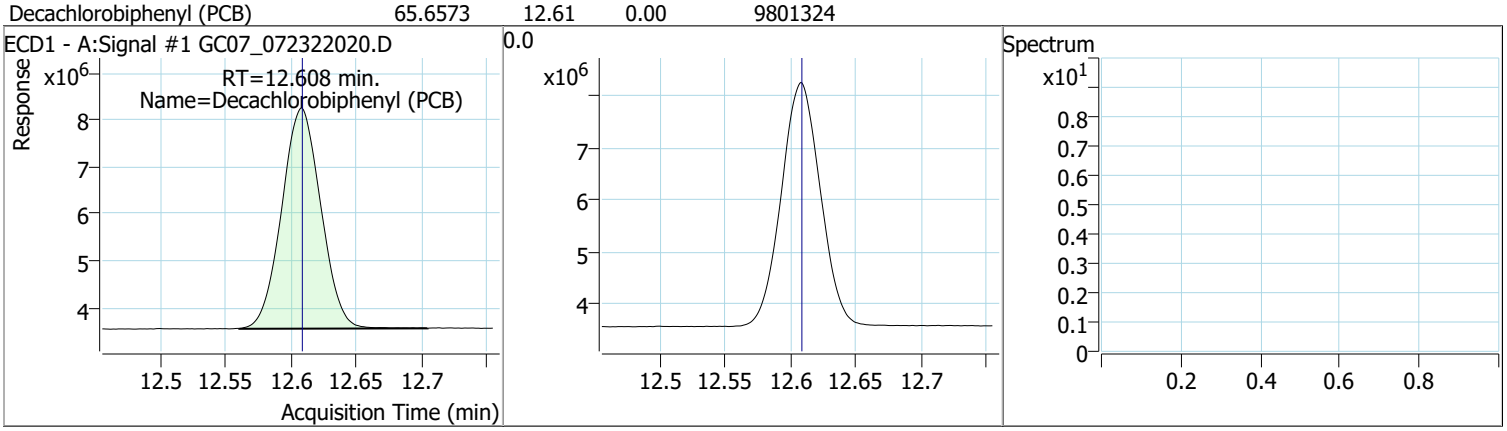
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	527.4882	11.47	0.00	2194739 (m)				



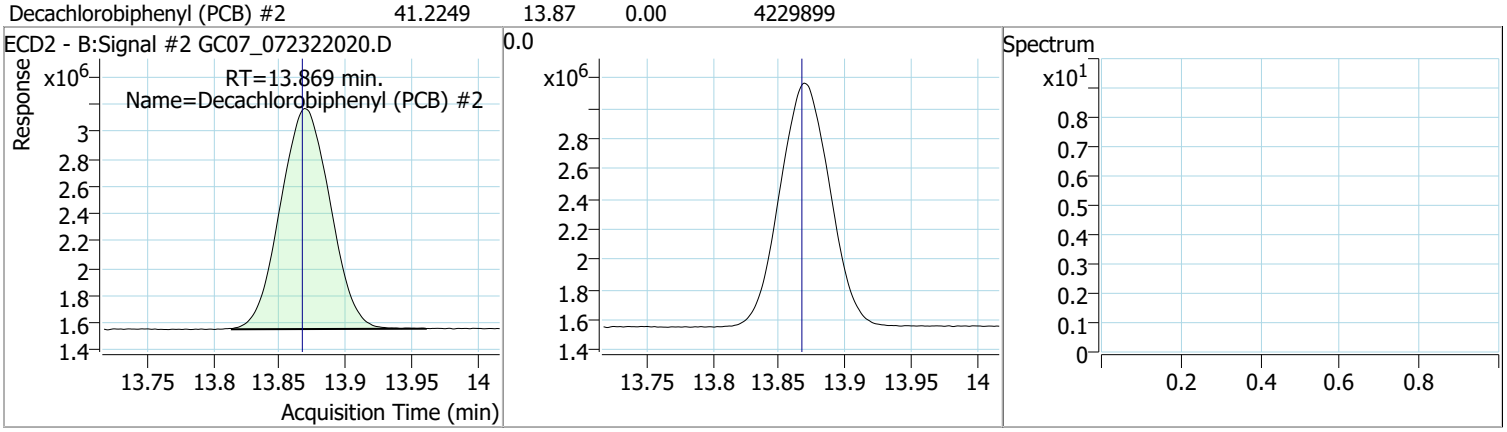
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	537.3599	12.18	0.00	3202211				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	65.6573	12.61	0.00	9801324				

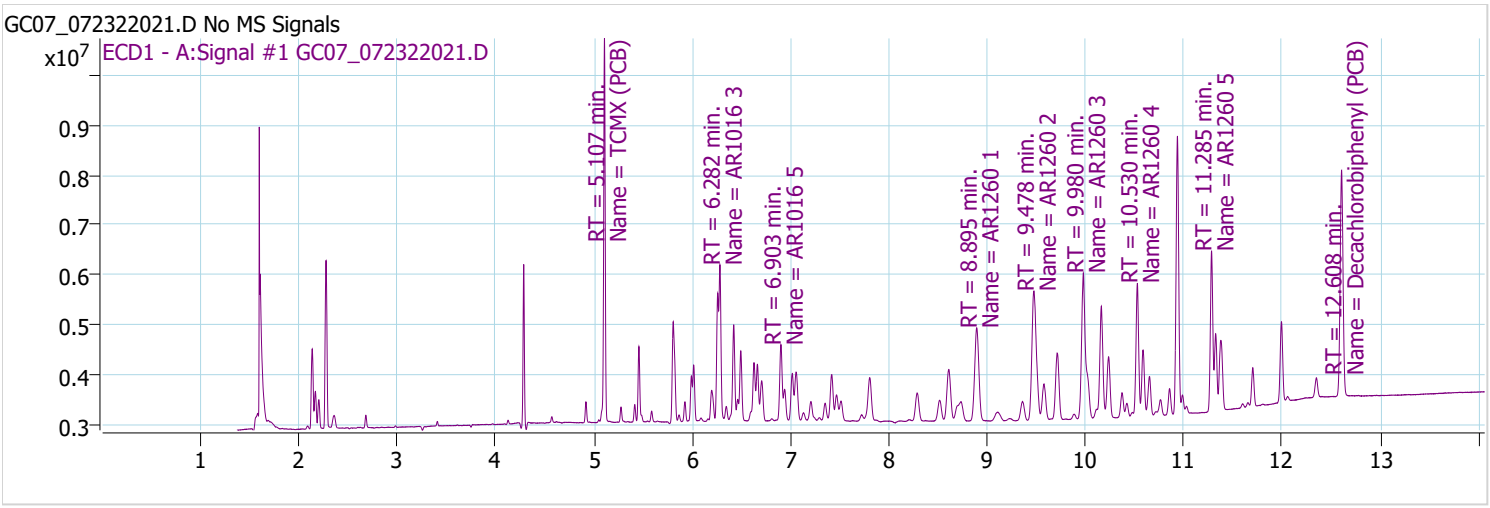


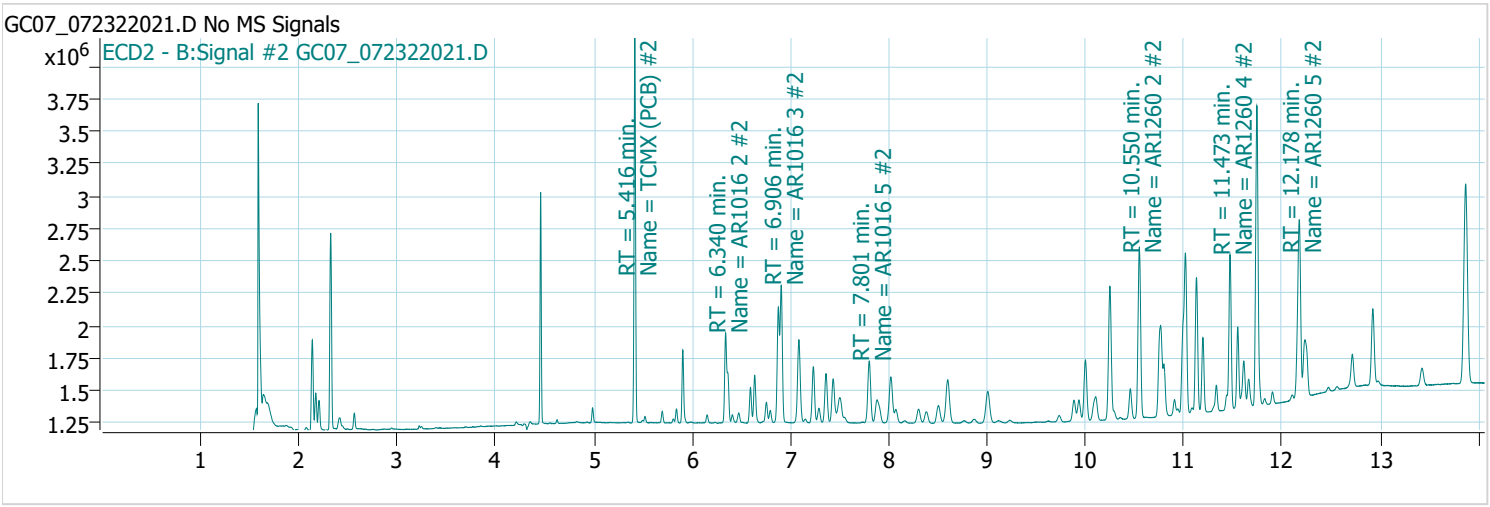
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	41.2249	13.87	0.00	4229899				



Quantitation Results Report (Not Reviewed)

Data File	GC07_072322021.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/23/2022 9:48:53 PM
Sample Name	QC1001816, 293412, 1	Instrument	SVOA-GC07
Vial	3	Multiplier	1.00
DA Method File	PCB_608_072222_GC07_1.m	Comment	WIPE/1S-20 ML
Tune File	ATUNE.U	Tune Date	
Batch Name	072322PCB.batch.bin	Last Calib Update	7/23/2022 5:05:17 PM
Ref Library			



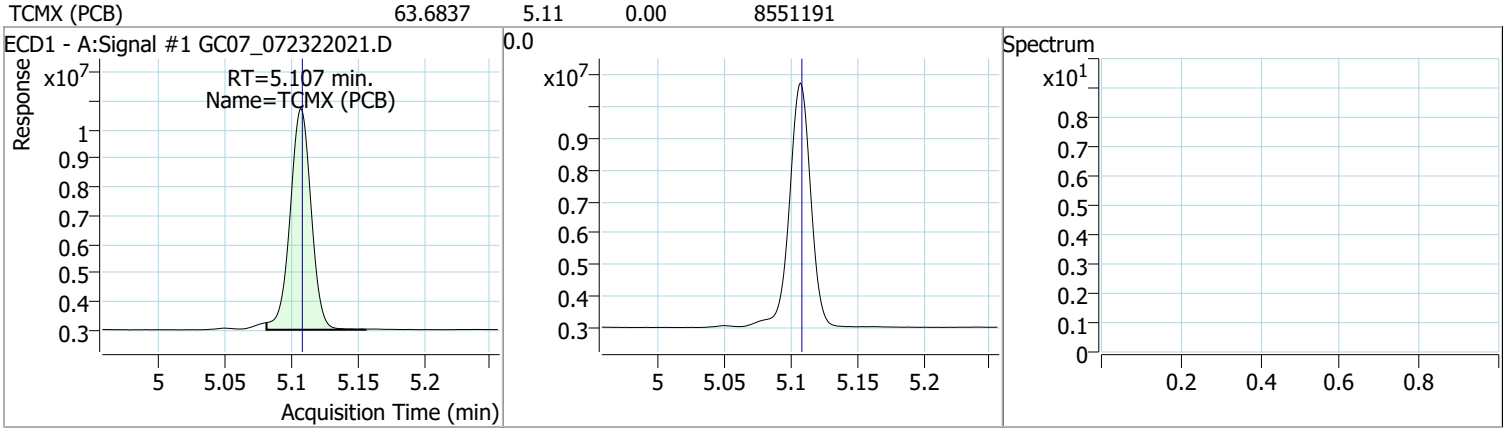


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.286	0.0	2983429.773	20.0000	ng/ml		0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.458	0.0	1644266.427	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.107	0.0	8551190.789	63.6837	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 318.42%		*	
S TCMX (PCB) #2	5.416	0.0	3205238.263	43.8853	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 219.43%		*	
S Decachlorobiphenyl (PCB)	12.608	0.0	9332979.496	64.4657	ng/ml		0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 322.33%		*	
S Decachlorobiphenyl (PCB) #2	13.871	0.0	4026337.496	40.4861	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 202.43%		*	
Target Compounds							QValue

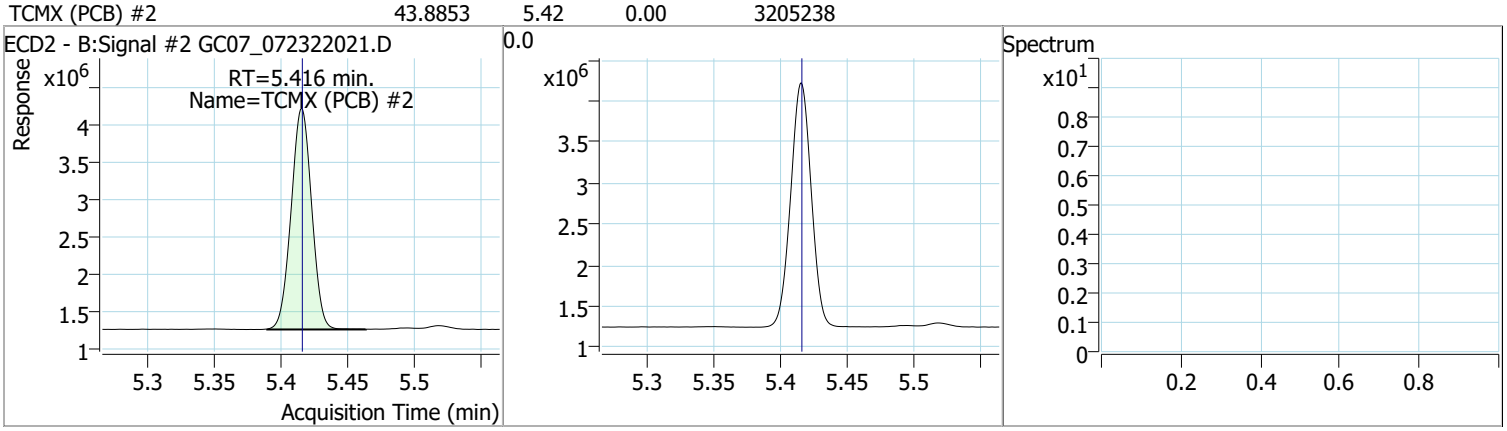
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.458	0.0	1962291.147	701.2508	ng/ml		100
T AR1016 2	5.807	0.0	3719102.624	754.8601	ng/ml		100
T AR1016 1 #2	5.904	0.0	690971.180	451.8395	ng/ml		100
T AR1016 3	6.282	0.0	4452212.491	651.5828	ng/ml		100
T AR1016 2 #2	6.340	0.0	1430200.467	429.3983	ng/ml		100
T AR1016 4	6.423	0.0	2918300.197	620.4940	ng/ml		100
T AR1016 5	6.903	0.0	2637099.135	656.8739	ng/ml		100
T AR1016 3 #2	6.906	0.0	1725808.907	427.2844	ng/ml		100
T AR1016 4 #2	7.085	0.0	1250917.034	429.4595	ng/ml		100
T AR1016 5 #2	7.801	0.0	984539.918	434.2115	ng/ml		100
T AR1260 1	8.895	0.0	5611143.107	797.9438	ng/ml		100
T AR1260 2	9.478	0.0	8252930.210	627.1367	ng/ml		100
T AR1260 3	9.980	0.0	8749161.657	685.7765	ng/ml		100
T AR1260 1 #2	10.250	0.0	2125042.139	442.4645	ng/ml		100
T AR1260 4	10.530	0.0	4818441.975	781.7530	ng/ml		100
T AR1260 2 #2	10.550	0.0	2482508.573	436.4970	ng/ml		100
T AR1260 3 #2	11.018	0.0	3174475.118	428.6885	ng/ml		100
T AR1260 5	11.285	0.0	5574516.298	726.4920	ng/ml		100
T AR1260 4 #2	11.473	0.0	2025247.239	502.1979	ng/ml	m	100
T AR1260 5 #2	12.178	0.0	2994704.081	518.6605	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

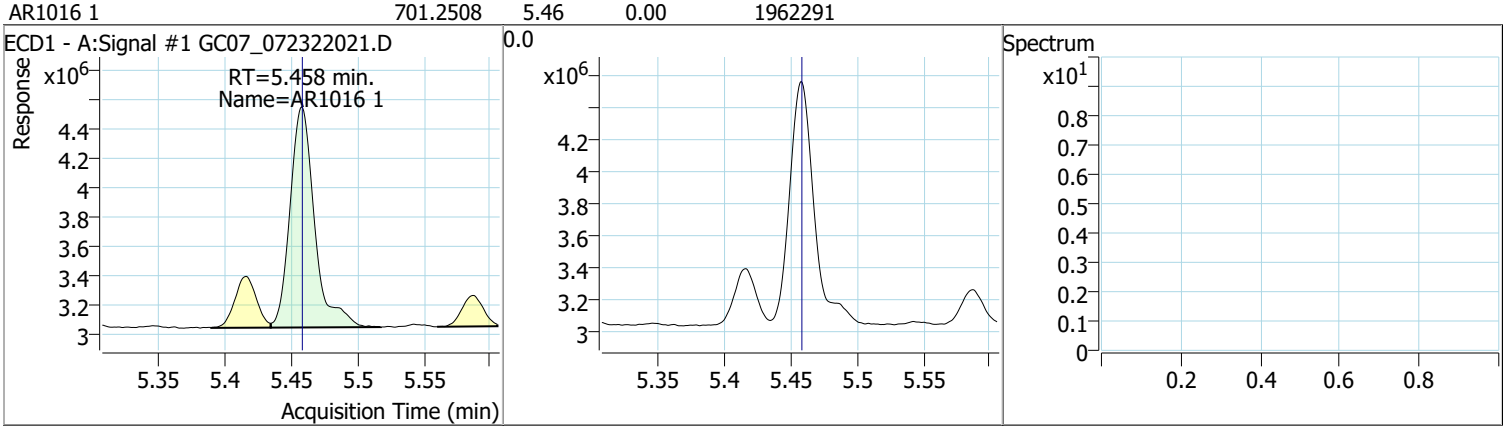
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	63.6837	5.11	0.00	8551191				



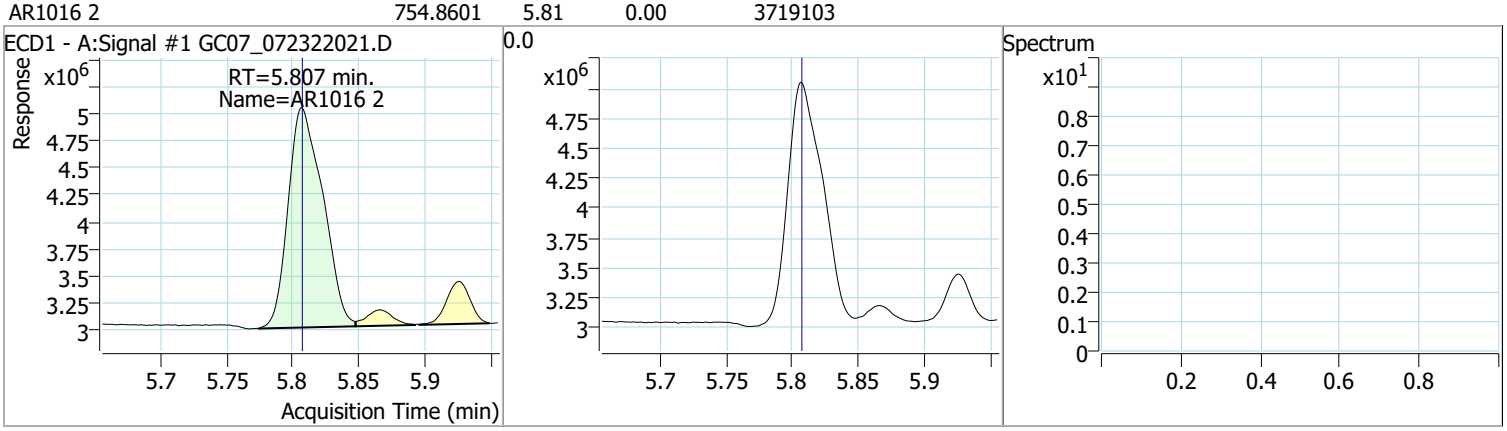
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	43.8853	5.42	0.00	3205238				



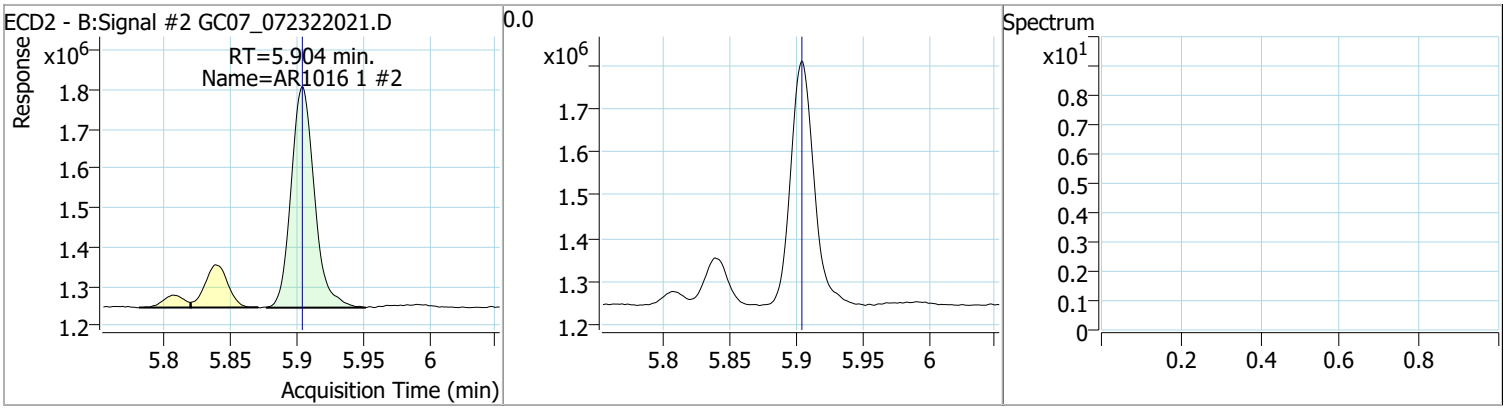
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	701.2508	5.46	0.00	1962291				



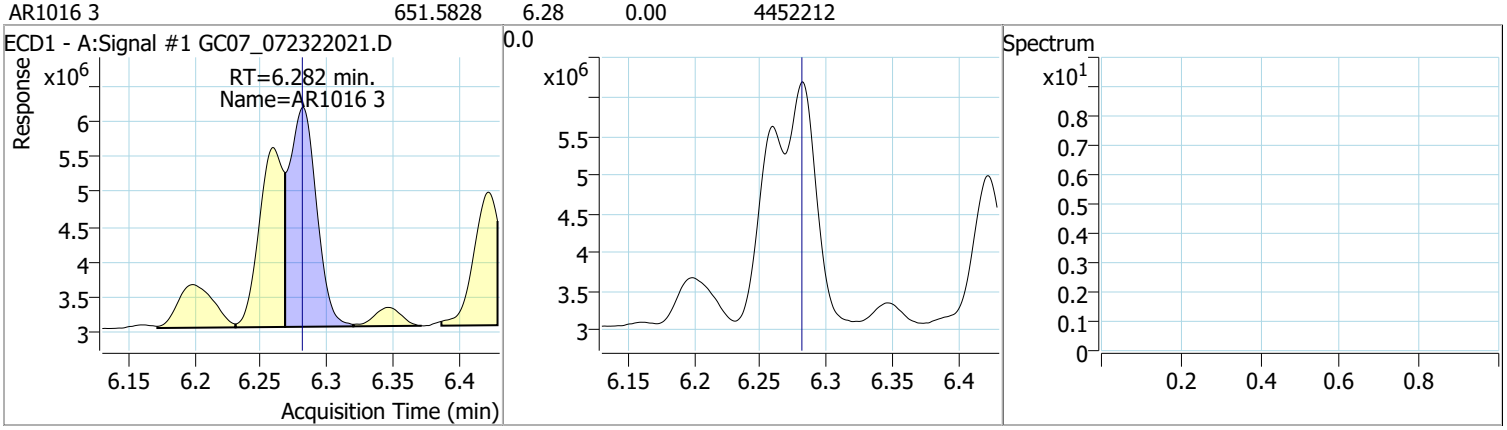
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	754.8601	5.81	0.00	3719103				



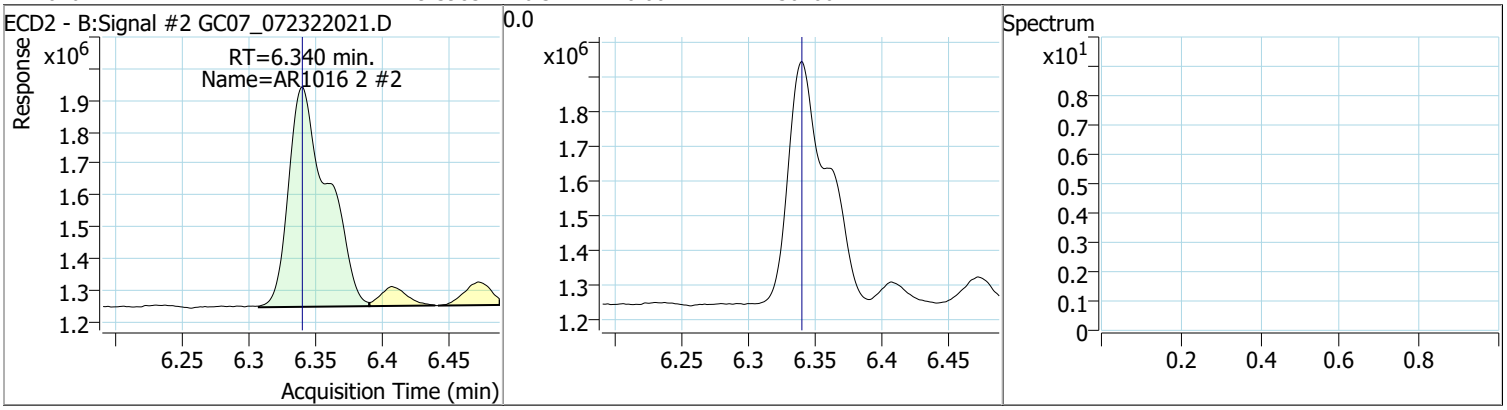
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	451.8395	5.90	0.00	690971				



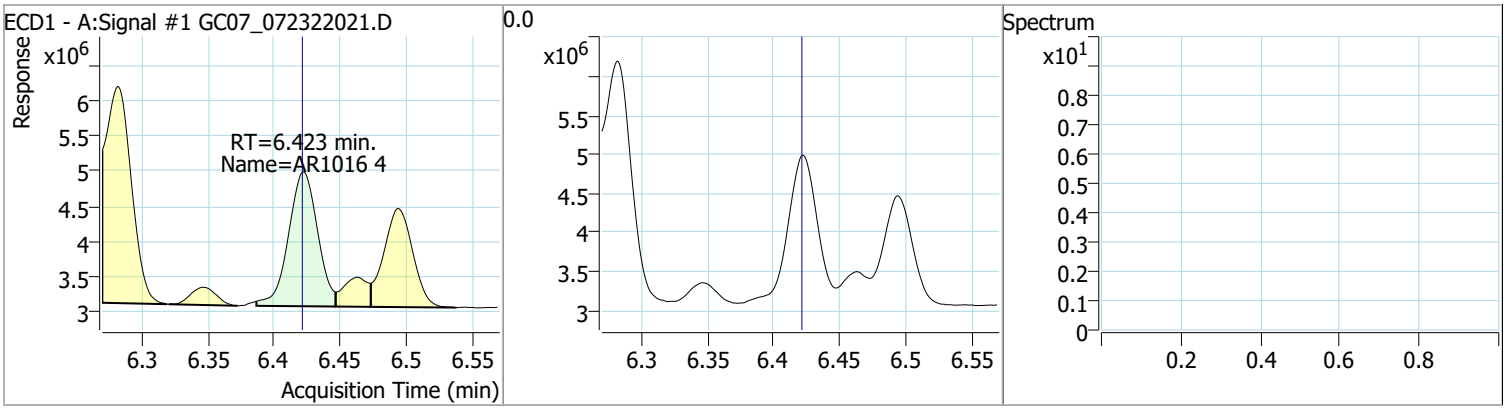
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	651.5828	6.28	0.00	4452212				



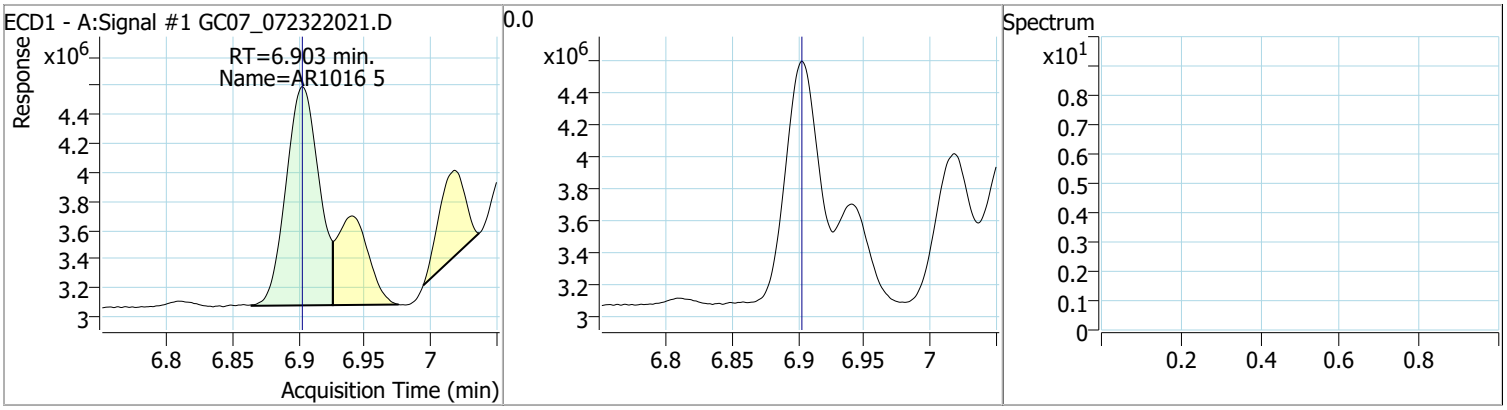
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	429.3983	6.34	0.00	1430200				



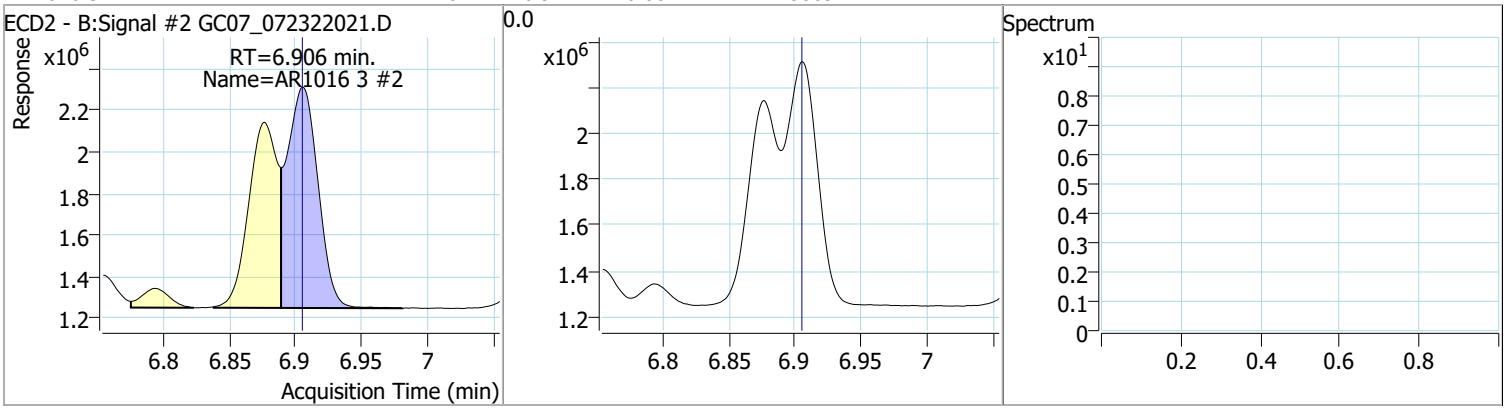
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	620.4940	6.42	0.00	2918300				



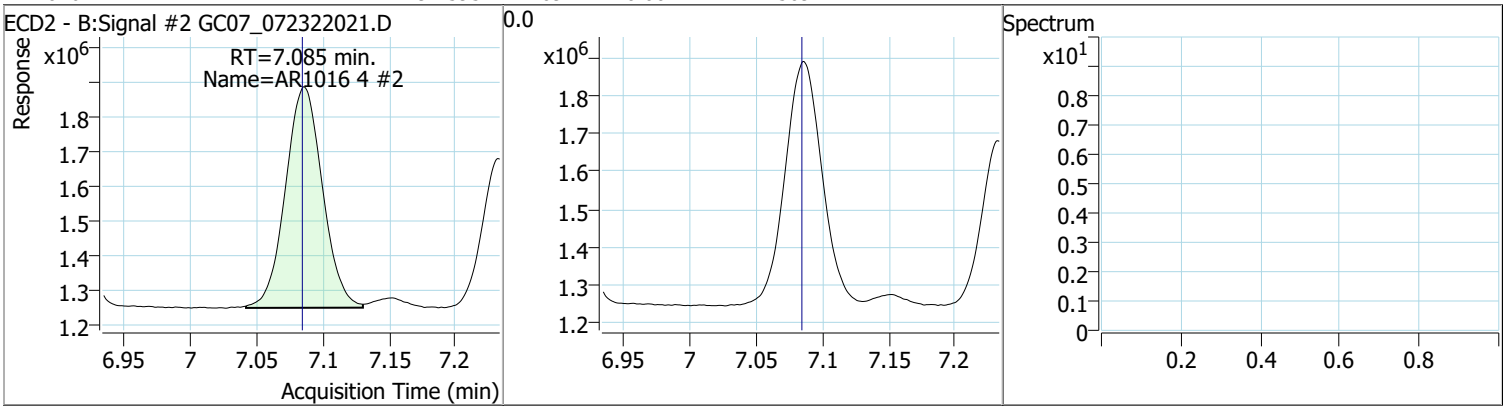
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	656.8739	6.90	0.00	2637099				



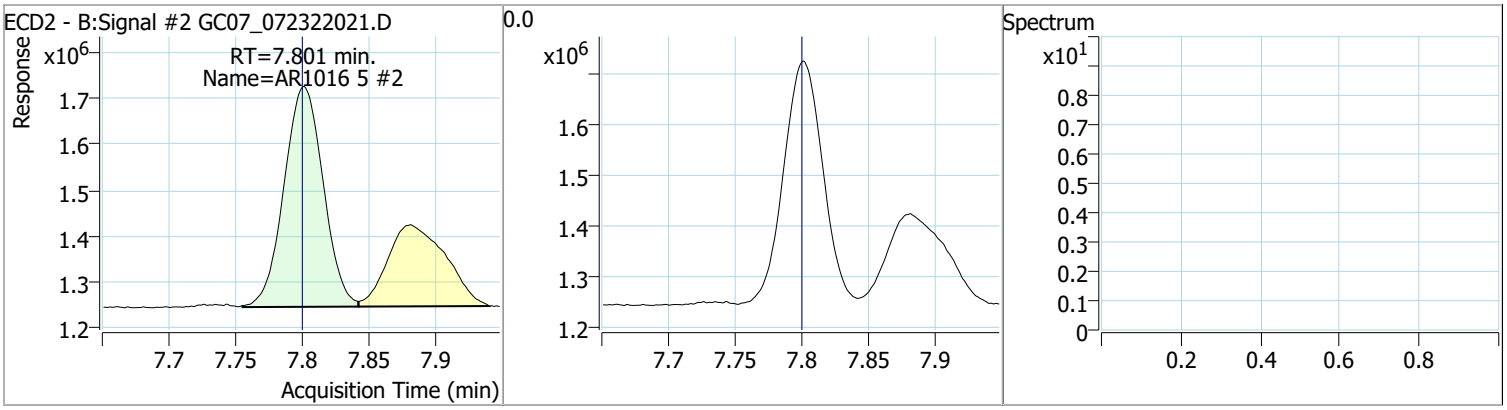
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	427.2844	6.91	0.00	1725809				



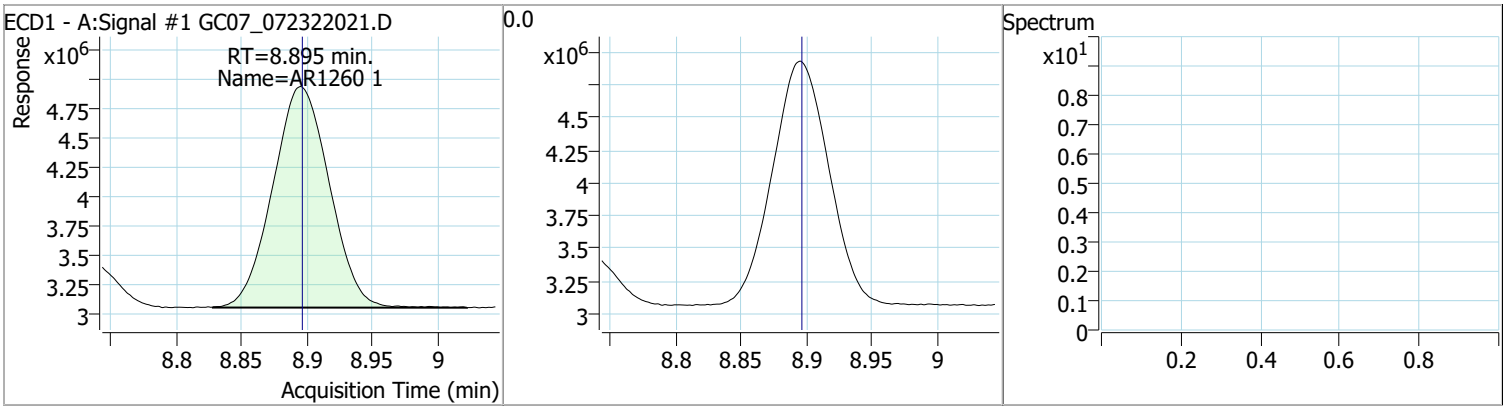
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	429.4595	7.09	0.00	1250917				



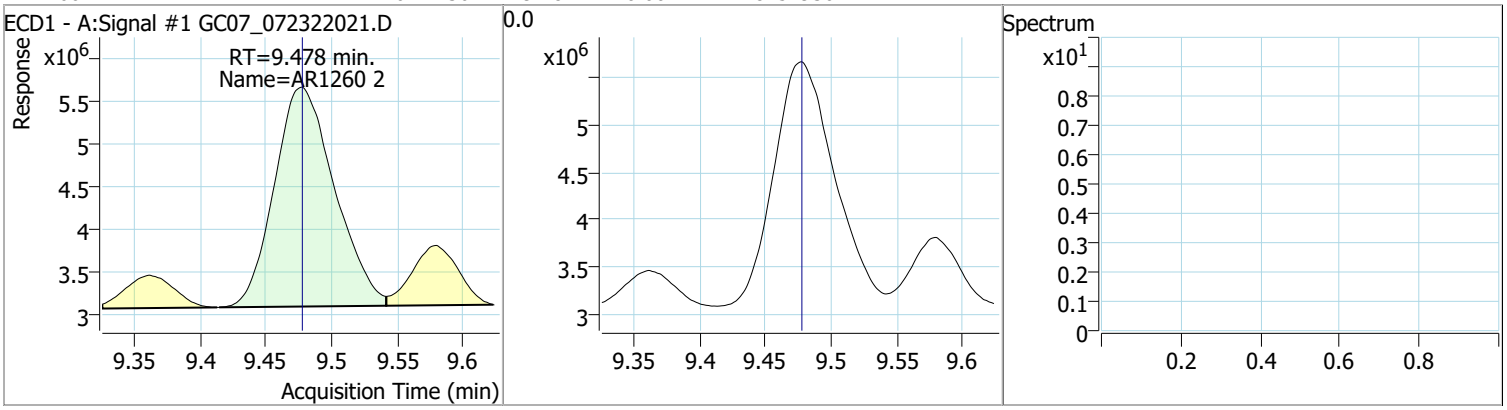
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	434.2115	7.80	0.00	984540				



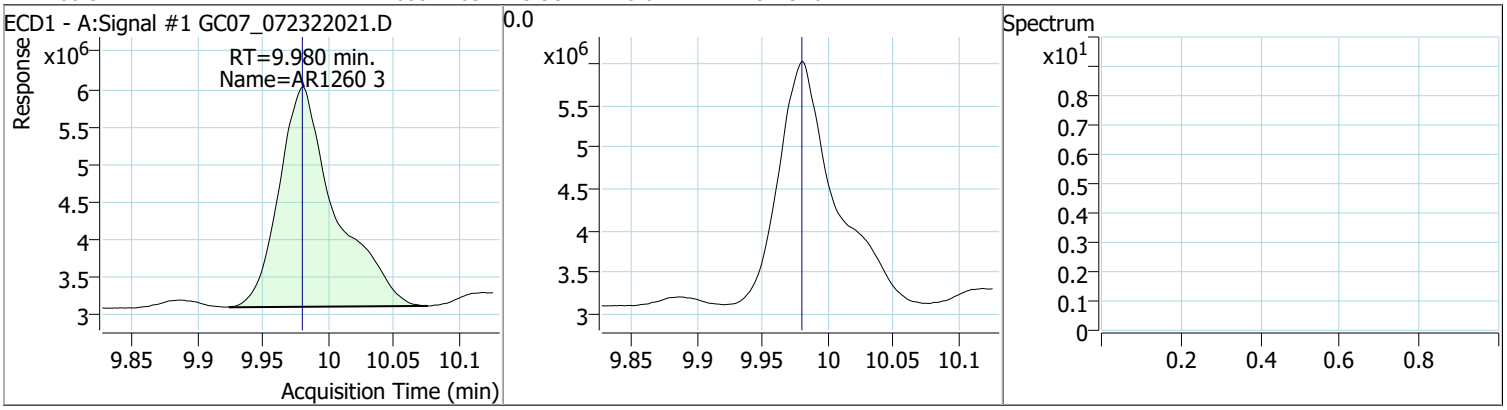
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	797.9438	8.90	0.00	5611143				



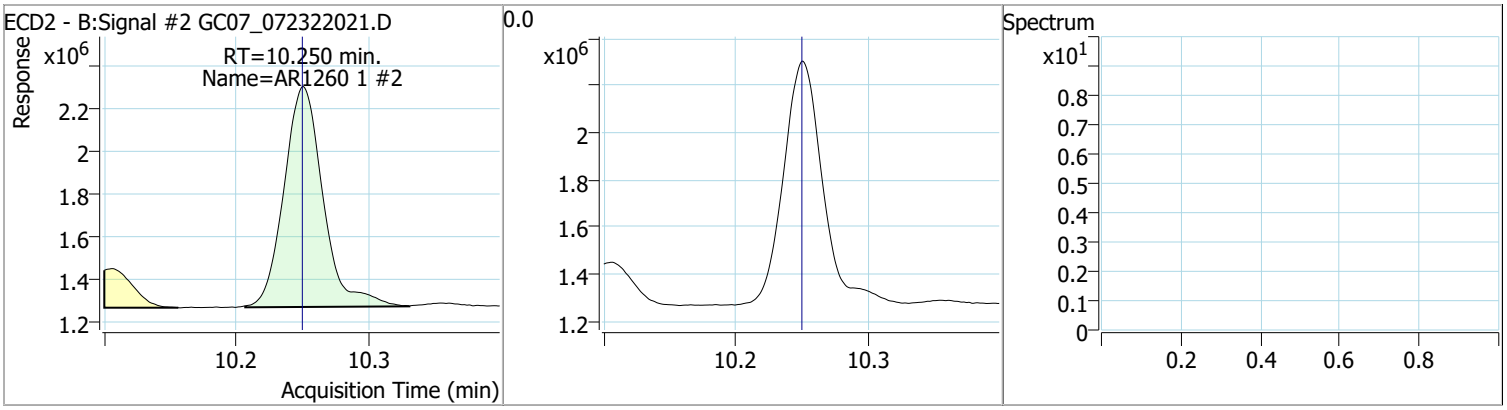
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	627.1367	9.48	0.00	8252930				



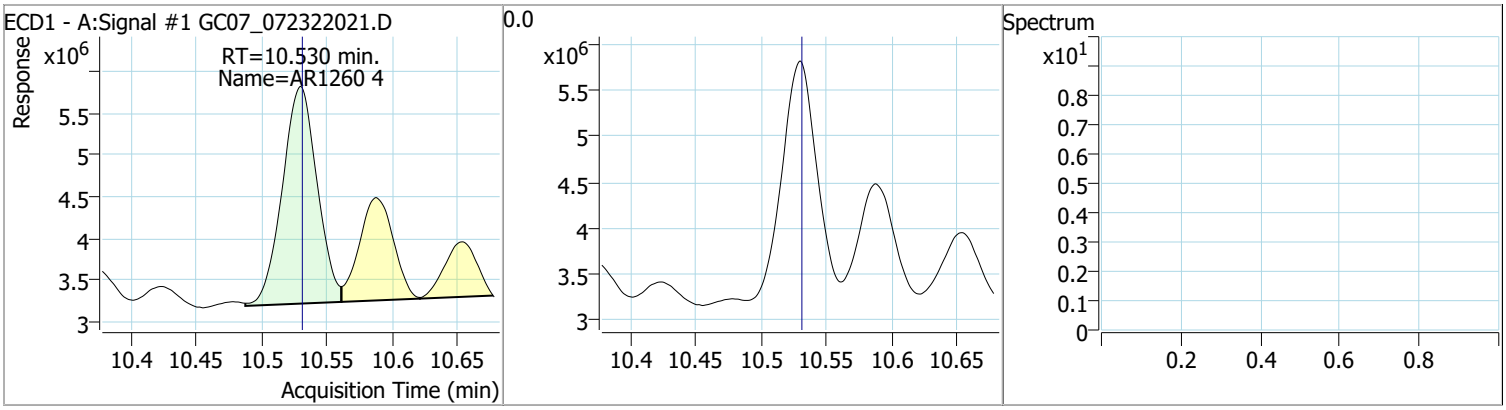
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	685.7765	9.98	0.01	8749162				



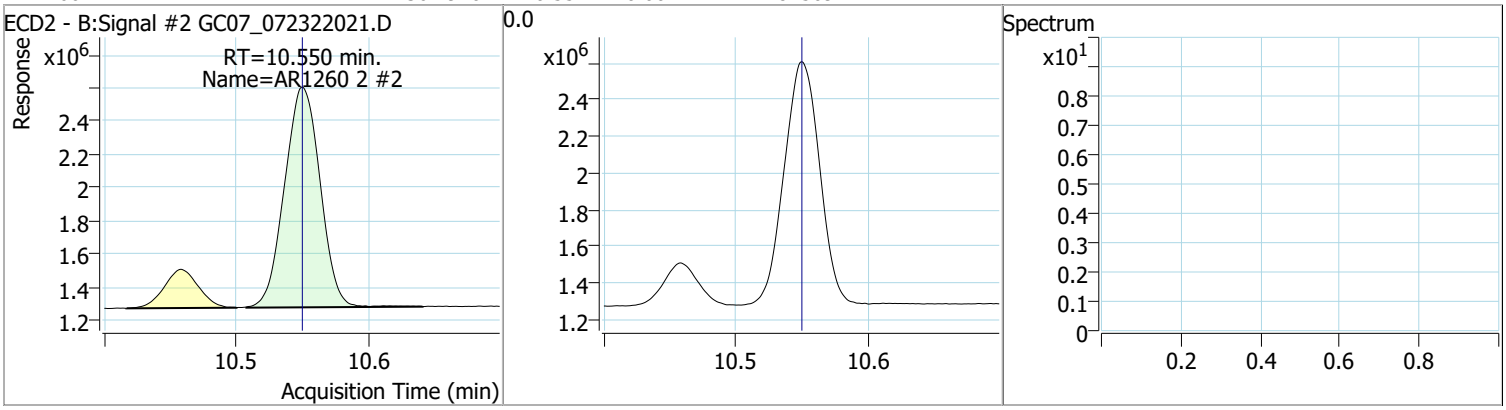
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	442.4645	10.25	0.00	2125042				



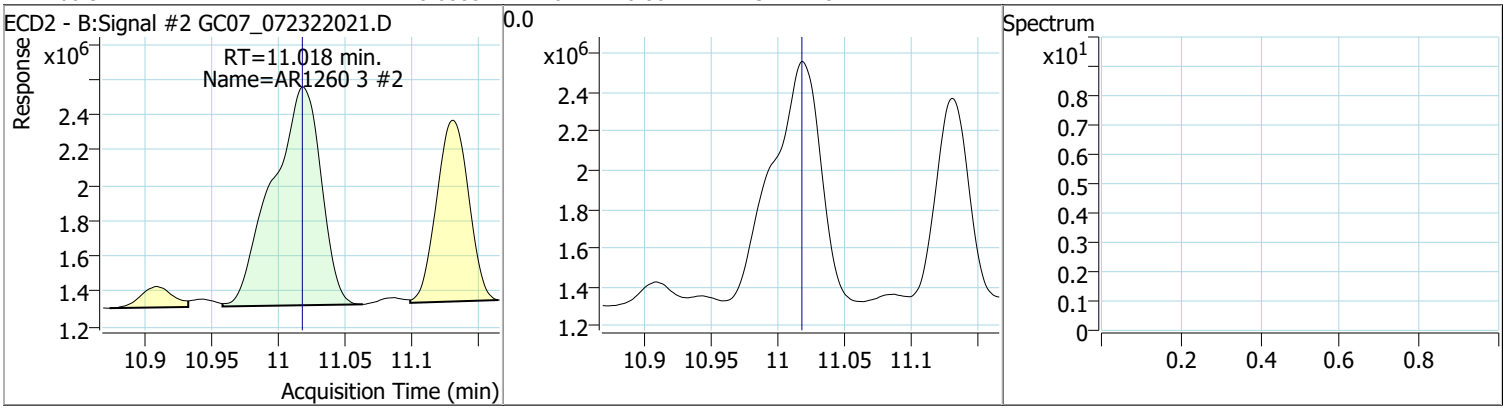
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	781.7530	10.53	0.00	4818442				



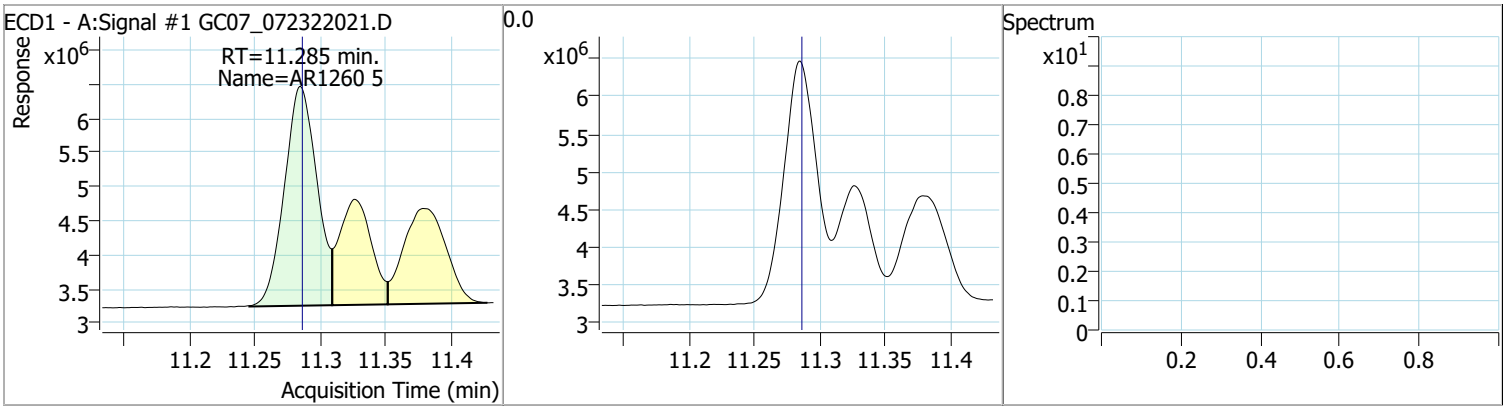
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	436.4970	10.55	0.00	2482509				



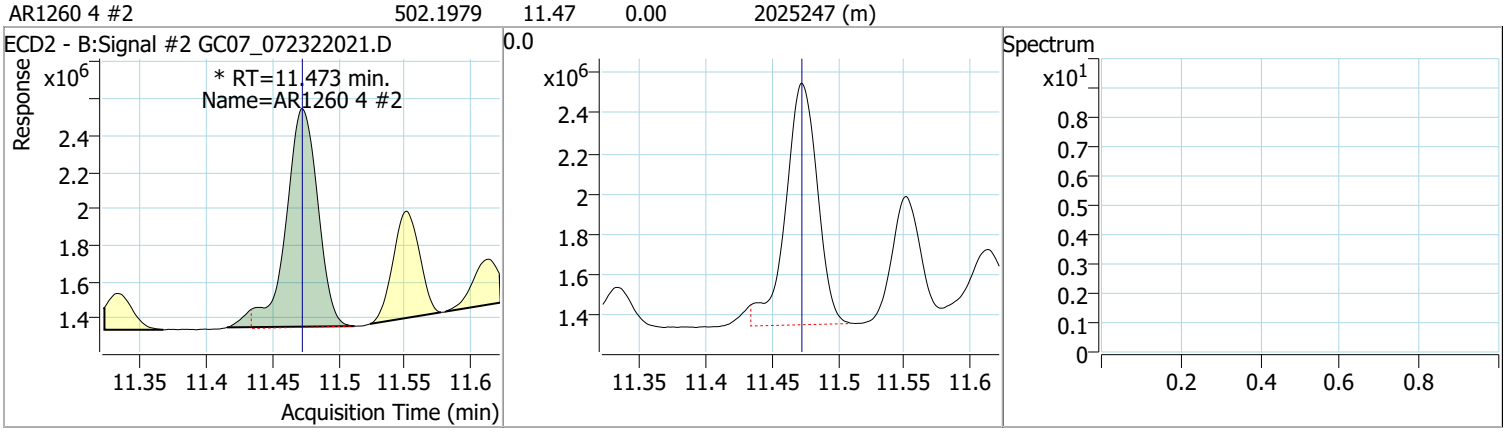
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	428.6885	11.02	0.00	3174475				



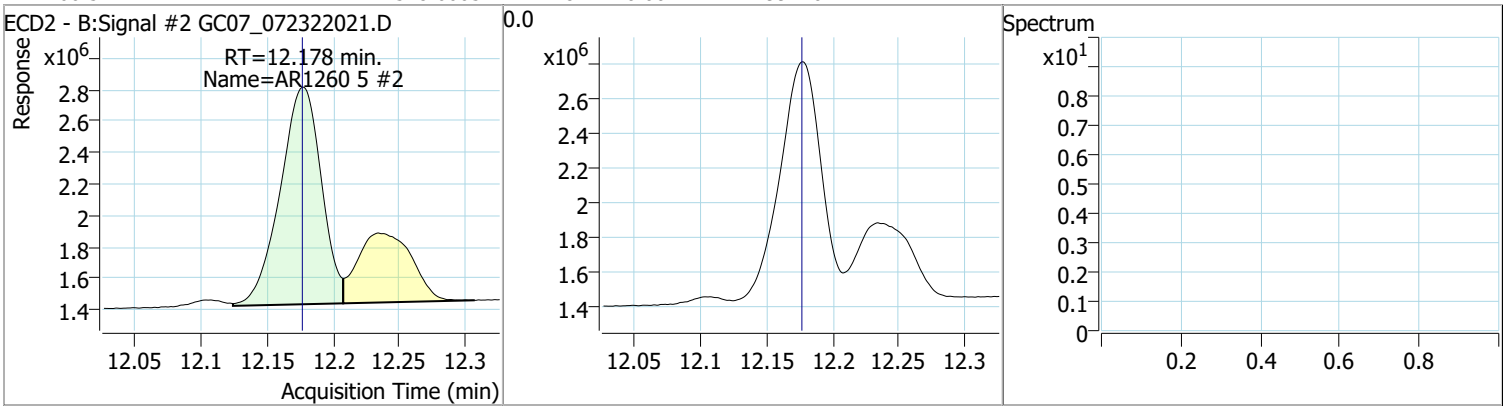
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	726.4920	11.29	0.00	5574516				



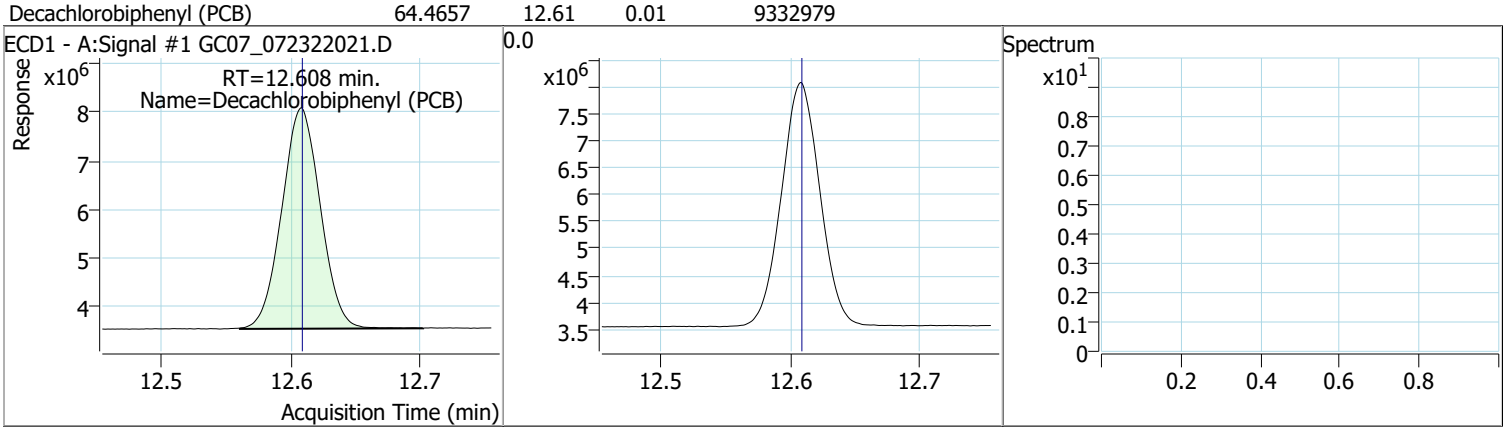
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	502.1979	11.47	0.00	2025247 (m)				



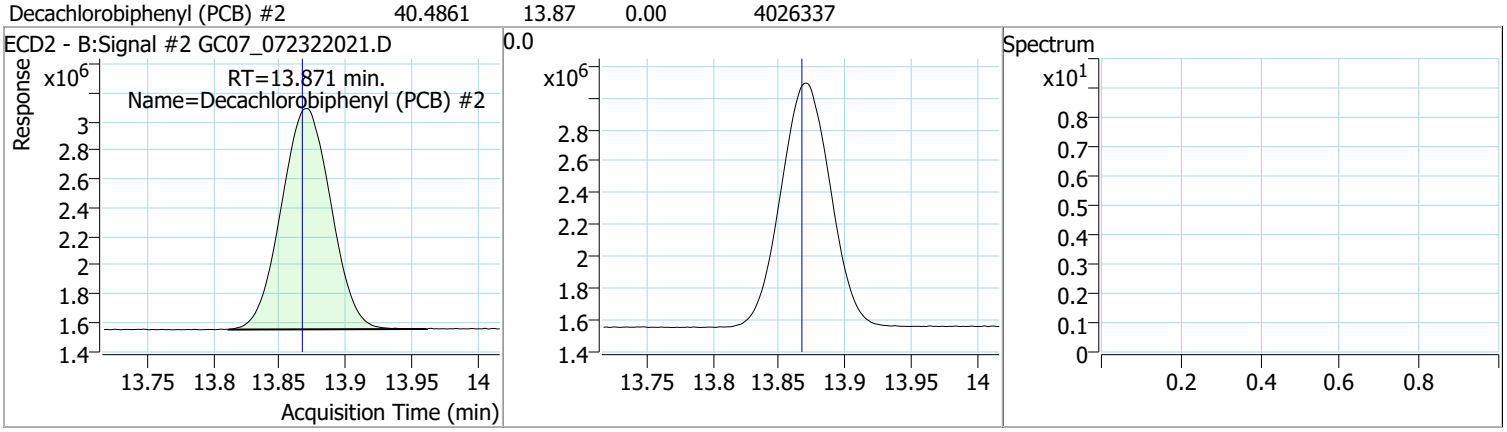
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	518.6605	12.18	0.00	2994704				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	64.4657	12.61	0.01	9332979				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	40.4861	13.87	0.00	4026337				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 465874 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_072222_1
Calibration #:	462293080002	Date:	22-JUL-2022 19:50

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_072222116	462293080116		22-JUL-2022 19:50	S17023 (100X), S17010 (250X)
L2	gc07_072222117	462293080117		22-JUL-2022 20:08	S17023 (40X), S17010 (250X)
L3	gc07_072222118	462293080118		22-JUL-2022 20:25	S17023 (20X), S17010 (250X)
L4	gc07_072222119	462293080119		22-JUL-2022 20:43	S17023 (8X), S17010 (250X)
L5	gc07_072222120	462293080120		22-JUL-2022 21:00	S17023 (4X), S17010 (250X)
L6	gc07_072222121	462293080121		22-JUL-2022 21:18	S17023 (2.66X), S17010 (250X)
L7	gc07_072222122	462293080122		22-JUL-2022 21:35	S17023 (2X), S17010 (250X)
L8	gc07_072222123	462293080123		22-JUL-2022 21:53	S17023 (1.33X), S17010 (250X)
L9	gc07_072222124	462293080124		22-JUL-2022 22:10	S17023, S17010 (250X)

Analyte	Ch	Type	X	a0	a1	a2	Units	Avg RF	r^2	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG	R		53.3330		ug/L	0.0188		20	9	.99	20	
Aroclor-1016 Peak # 2	A	LINR	R	-34.262	31.6984		ug/L	0.0379	0.994		7	.99	20	
Aroclor-1016 Peak # 3	A	AVRG	R		21.8416		ug/L	0.0458		19	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG	R		31.7331		ug/L	0.0315		20	8	.99	20	
Aroclor-1016 Peak # 5	A	AVRG	R		37.1745		ug/L	0.0269		18	9	.99	20	
Aroclor-1260 Peak # 1	A	QUAD	A	1.81336	0.04340	1.787E-6	ug/L	0.0573	0.995		8	.99	20	
Aroclor-1260 Peak # 2	A	AVRG	R		11.3385		ug/L	0.0882		20	7	.99	20	
Aroclor-1260 Peak # 3	A	AVRG	R		11.6981		ug/L	0.0855		14	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG	R		24.2132		ug/L	0.0413		19	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG	R		19.4499		ug/L	0.0514		15	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG	R		1.03088		pg/uL	0.9700		13	9	.99	20	
TCMX (PCB)	A	AVRG	R		1.11147		pg/uL	0.8997		15	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG	R		53.7887		ug/L	0.0186		9	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG	R		24.6961		ug/L	0.0405		9	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG	R		20.3652		ug/L	0.0491		10	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG	R		28.2395		ug/L	0.0354		10	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG	R		36.2775		ug/L	0.0276		9	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG	R		17.1268		ug/L	0.0584		12	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG	R		14.4624		ug/L	0.0691		15	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG	R		11.1079		ug/L	0.0900		11	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG	R		20.3969		ug/L	0.0490		9	9	.99	20	
Aroclor-1260 Peak # 5	B	LINR	R	5.02340	14.1140		ug/L	0.0757	0.995		9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG	R		0.82709		pg/uL	1.2091		13	9	.99	20	
TCMX (PCB)	B	AVRG	R		1.12625		pg/uL	0.8879		9	9	.99	20	

Where the X-Axis holds the (A)mount: Instrument response = a0 + (amount × a1) + (amount² × a2) (invert equation before quantitating)
Where the X-Axis holds the (R)esponse: Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor
LINR: Linear regression
QUAD: Quadratic regression

ENTHALPY INITIAL CALIBRATION FOR 465874 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_072222_1
Calibration #:	462293080002	Date:	22-JUL-2022 19:50

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0229	0.0241	0.0224	0.0205	0.0160	0.0148	0.0169	0.0163	0.0148
Aroclor-1016 Peak # 2	A		0.0496	0.0463	0.0413	0.0322	0.0297	0.0339	0.0325	
Aroclor-1016 Peak # 3	A	0.0542	0.0586	0.0549	0.0487	0.0389	0.0364	0.0423	0.0414	0.0367
Aroclor-1016 Peak # 4	A	0.0386	0.0391	0.0373	0.0330	0.0259	0.0240	0.0276	0.0267	
Aroclor-1016 Peak # 5	A	0.0300	0.0338	0.0333	0.0302	0.0233	0.0216	0.0247	0.0238	0.0214
Aroclor-1260 Peak # 1	A	0.0698	0.0723	0.0690	0.0605	0.0471	0.0433	0.0491	0.0471	
Aroclor-1260 Peak # 2	A	0.1025	0.1074	0.1046	0.0913	0.0715	0.0653	0.0747		
Aroclor-1260 Peak # 3	A	0.0991	0.0998	0.1019	0.0877	0.0779	0.0718	0.0827	0.0792	0.0694
Aroclor-1260 Peak # 4	A	0.0478	0.0529	0.0509	0.0451	0.0359	0.0330	0.0380	0.0363	0.0319
Aroclor-1260 Peak # 5	A	0.0556	0.0615	0.0612	0.0574	0.0447	0.0417	0.0483	0.0469	0.0454
Decachlorobiphenyl (PCB)	A	1.0957	1.1204	1.1148	1.0543	0.8628	0.8089	0.9312	0.9085	0.8338
TCMX (PCB)	A	1.0072	1.0943	1.0514	0.9663	0.7679	0.7303	0.8521	0.8442	0.7837
Aroclor-1016 Peak # 1	B	0.0176	0.0211	0.0200	0.0204	0.0165	0.0160	0.0189	0.0186	0.0183
Aroclor-1016 Peak # 2	B	0.0421	0.0444	0.0436	0.0447	0.0359	0.0347	0.0405	0.0397	0.0389
Aroclor-1016 Peak # 3	B	0.0484	0.0547	0.0541	0.0539	0.0435	0.0408	0.0490	0.0492	0.0482
Aroclor-1016 Peak # 4	B	0.0358	0.0408	0.0379	0.0387	0.0311	0.0300	0.0354	0.0347	0.0344
Aroclor-1016 Peak # 5	B	0.0258	0.0302	0.0304	0.0300	0.0245	0.0238	0.0281	0.0279	0.0274
Aroclor-1260 Peak # 1	B	0.0503	0.0670	0.0680	0.0667	0.0525	0.0498	0.0583	0.0574	0.0555
Aroclor-1260 Peak # 2	B	0.0834	0.0812	0.0791	0.0756	0.0587	0.0553	0.0648	0.0631	0.0610
Aroclor-1260 Peak # 3	B	0.0845	0.1026	0.1034	0.1009	0.0799	0.0760	0.0893	0.0880	0.0857
Aroclor-1260 Peak # 4	B	0.0469	0.0496	0.0555	0.0566	0.0448	0.0425	0.0496	0.0487	0.0470
Aroclor-1260 Peak # 5	B	0.0630	0.1102	0.0883	0.0827	0.0634	0.0606	0.0707	0.0697	0.0726
Decachlorobiphenyl (PCB)	B	1.3889	1.4134	1.3573	1.2787	1.0515	1.0049	1.1598	1.1378	1.0891
TCMX (PCB)	B	0.7903	0.9509	0.9218	0.9563	0.7791	0.7677	0.9245	0.9436	0.9570

ENTHALPY INITIAL CALIBRATION FOR 465874 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_072222_1
Calibration #:	462293080002	Date:	22-JUL-2022 19:50

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	**22**	50.000	**29**	100.00	20	250.00	9	500.00	-15	751.88	**-21**	1000.0	-10	1503.8	-13
Aroclor-1016 Peak # 2	A			50.000	-11	100.00	12	250.00	17	500.00	-5	751.88	-11	1000.0	4	1503.8	1
Aroclor-1016 Peak # 3	A	20.000	18	50.000	**28**	100.00	20	250.00	6	500.00	-15	751.88	**-21**	1000.0	-8	1503.8	-10
Aroclor-1016 Peak # 4	A	20.000	**22**	50.000	**24**	100.00	18	250.00	5	500.00	-18	751.88	**-24**	1000.0	-12	1503.8	-15
Aroclor-1016 Peak # 5	A	20.000	12	50.000	**25**	100.00	**24**	250.00	12	500.00	-13	751.88	-20	1000.0	-8	1503.8	-12
Aroclor-1260 Peak # 1	A	20.000	**-148**	50.000	-17	100.00	17	250.00	**21**	500.00	-2	751.88	-8	1000.0	5	1503.8	0
Aroclor-1260 Peak # 2	A	20.000	16	50.000	**22**	100.00	19	250.00	4	500.00	-19	751.88	**-26**	1000.0	-15		
Aroclor-1260 Peak # 3	A	20.000	16	50.000	17	100.00	19	250.00	3	500.00	-9	751.88	-16	1000.0	-3	1503.8	-7
Aroclor-1260 Peak # 4	A	20.000	16	50.000	**28**	100.00	**23**	250.00	9	500.00	-13	751.88	-20	1000.0	-8	1503.8	-12
Aroclor-1260 Peak # 5	A	20.000	8	50.000	20	100.00	19	250.00	12	500.00	-13	751.88	-19	1000.0	-6	1503.8	-9
Decachlorobiphenyl (PCB)	A	0.8000	13	2.0000	16	4.0000	15	10.000	9	20.000	-11	30.075	-17	40.000	-4	60.150	-6
TCMX (PCB)	A	0.8000	12	2.0000	**22**	4.0000	17	10.000	7	20.000	-15	30.075	-19	40.000	-5	60.150	-6
Aroclor-1016 Peak # 1	B	20.000	-5	50.000	13	100.00	7	250.00	10	500.00	-11	751.88	-14	1000.0	2	1503.8	0
Aroclor-1016 Peak # 2	B	20.000	4	50.000	10	100.00	8	250.00	10	500.00	-11	751.88	-14	1000.0	0	1503.8	-2
Aroclor-1016 Peak # 3	B	20.000	-1	50.000	11	100.00	10	250.00	10	500.00	-11	751.88	-17	1000.0	0	1503.8	0
Aroclor-1016 Peak # 4	B	20.000	1	50.000	15	100.00	7	250.00	9	500.00	-12	751.88	-15	1000.0	0	1503.8	-2
Aroclor-1016 Peak # 5	B	20.000	-7	50.000	10	100.00	10	250.00	9	500.00	-11	751.88	-14	1000.0	2	1503.8	1
Aroclor-1260 Peak # 1	B	20.000	-14	50.000	15	100.00	16	250.00	14	500.00	-10	751.88	-15	1000.0	0	1503.8	-2
Aroclor-1260 Peak # 2	B	20.000	**21**	50.000	17	100.00	14	250.00	9	500.00	-15	751.88	-20	1000.0	-6	1503.8	-9
Aroclor-1260 Peak # 3	B	20.000	-6	50.000	14	100.00	15	250.00	12	500.00	-11	751.88	-16	1000.0	-1	1503.8	-2
Aroclor-1260 Peak # 4	B	20.000	-4	50.000	1	100.00	13	250.00	15	500.00	-9	751.88	-13	1000.0	1	1503.8	-1
Aroclor-1260 Peak # 5	B	20.000	14	50.000	**66**	100.00	**30**	250.00	19	500.00	-10	751.88	-14	1000.0	0	1503.8	-1
Decachlorobiphenyl (PCB)	B	0.8000	15	2.0000	17	4.0000	12	10.000	6	20.000	-13	30.075	-17	40.000	-4	60.150	-6
TCMX (PCB)	B	0.8000	-11	2.0000	7	4.0000	4	10.000	8	20.000	-12	30.075	-14	40.000	4	60.150	6

ENTHALPY INITIAL CALIBRATION FOR 465874 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_072222_1
Calibration #:	462293080002	Date:	22-JUL-2022 19:50

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	**-21**
Aroclor-1016 Peak # 2	A		
Aroclor-1016 Peak # 3	A	2000.0	-20
Aroclor-1016 Peak # 4	A		
Aroclor-1016 Peak # 5	A	2000.0	-20
Aroclor-1260 Peak # 1	A		
Aroclor-1260 Peak # 2	A		
Aroclor-1260 Peak # 3	A	2000.0	-19
Aroclor-1260 Peak # 4	A	2000.0	**-23**
Aroclor-1260 Peak # 5	A	2000.0	-12
Decachlorobiphenyl (PCB)	A	80.000	-14
TCMX (PCB)	A	80.000	-13
Aroclor-1016 Peak # 1	B	2000.0	-2
Aroclor-1016 Peak # 2	B	2000.0	-4
Aroclor-1016 Peak # 3	B	2000.0	-2
Aroclor-1016 Peak # 4	B	2000.0	-3
Aroclor-1016 Peak # 5	B	2000.0	-1
Aroclor-1260 Peak # 1	B	2000.0	-5
Aroclor-1260 Peak # 2	B	2000.0	-12
Aroclor-1260 Peak # 3	B	2000.0	-5
Aroclor-1260 Peak # 4	B	2000.0	-4
Aroclor-1260 Peak # 5	B	2000.0	3
Decachlorobiphenyl (PCB)	B	80.000	-10
TCMX (PCB)	B	80.000	8

TRN 07/23/22 : Manually integrated for coeluting/ draw baseline, combining peaks for both/one channel on multiple levels.

Analyst: TRN 07/23/22

Reviewer: SLL 07/25/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 465874 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Name:	PCB_072222_1
Calnum:	462293080002	Cal Date:	22-JUL-2022

- ICV 462293080126 (gc07_072222126 22-JUL-2022) stds: S16736

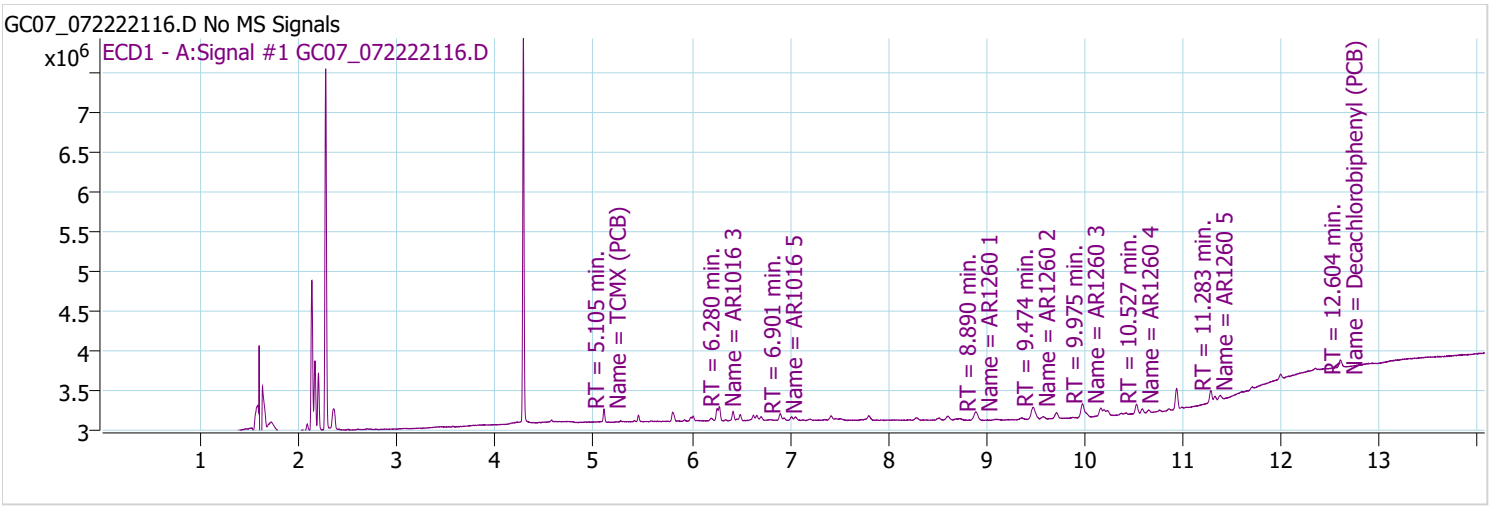
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	454.3	ug/L	-9	15	
Aroclor-1260	A	500.0	486.4	ug/L	-3	15	
Aroclor-1016	B	500.0	466.7	ug/L	-7	15	
Aroclor-1260	B	500.0	487.4	ug/L	-3	15	

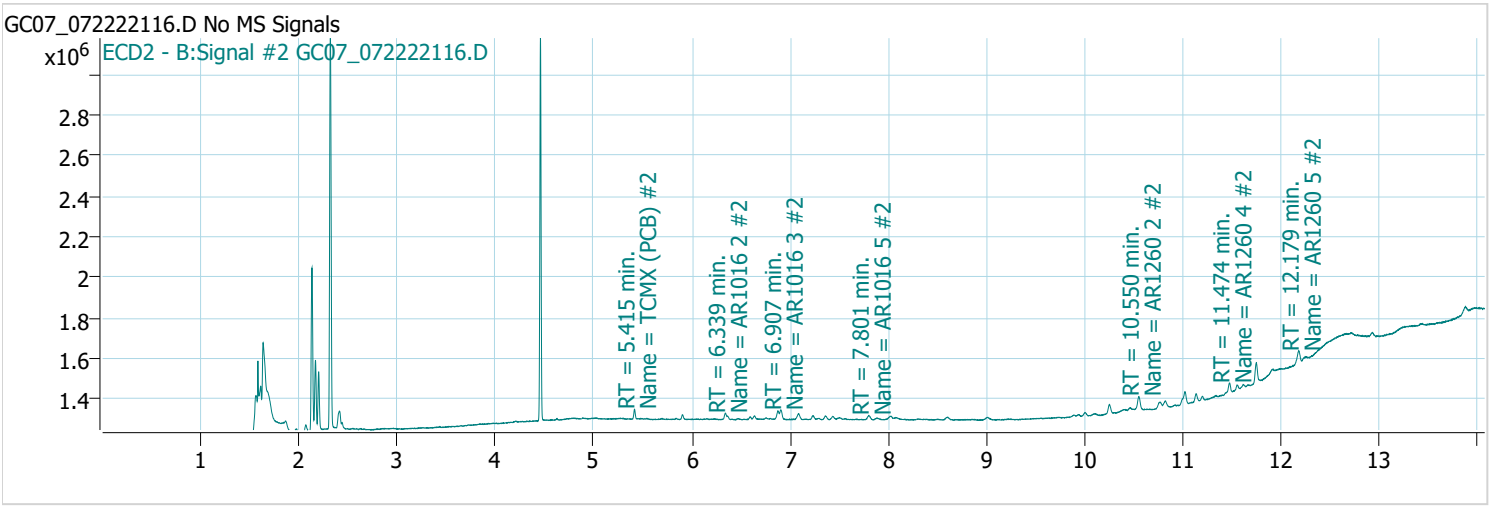
-

Analyst: TRN 07/23/22 **Reviewer:** SLL 07/25/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_072222116.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/22/2022 7:50:39 PM
Sample Name	ICAL, S16726, 100	Instrument	SVOA-GC07
Vial	81	Multiplier	1.00
DA Method File	PCB_608_072222_GC07_1.m	Comment	20 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	072222PCBICAL.batch.bin	Last Calib Update	7/23/2022 5:05:17 PM
Ref Library			



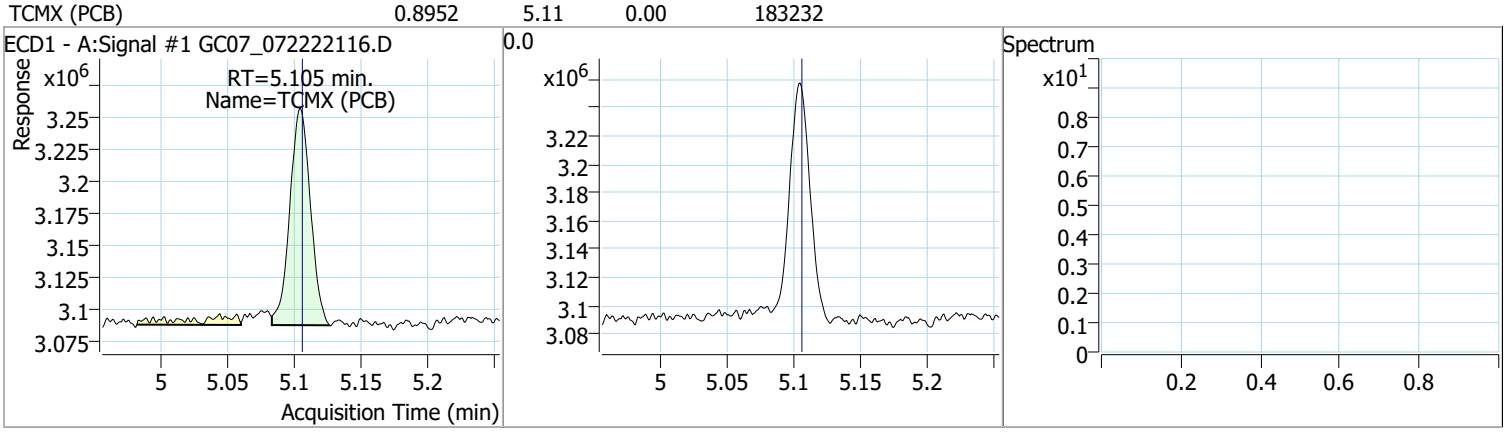


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	4547826.683	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.458	0.0	1660389.406	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.105	0.0	183231.551	0.8952	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.48%		*	
S TCMX (PCB) #2	5.415	0.0	52490.406	0.7117	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 3.56%		*	
S Decachlorobiphenyl (PCB)	12.604	0.0	199322.071	0.9032	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.52%		*	
S Decachlorobiphenyl (PCB) #2	13.878	0.0	92247.376	0.9186	ng/ml	m	0.009
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.59%		*	
Target Compounds							QValue
T AR1016 1	5.455	0.0	104371.052	24.4682	ng/ml		100
T AR1016 2	5.804	0.0	207744.079	0.0000	ng/ml		100
T AR1016 1 #2	5.903	0.0	29239.169	18.9344	ng/ml		100

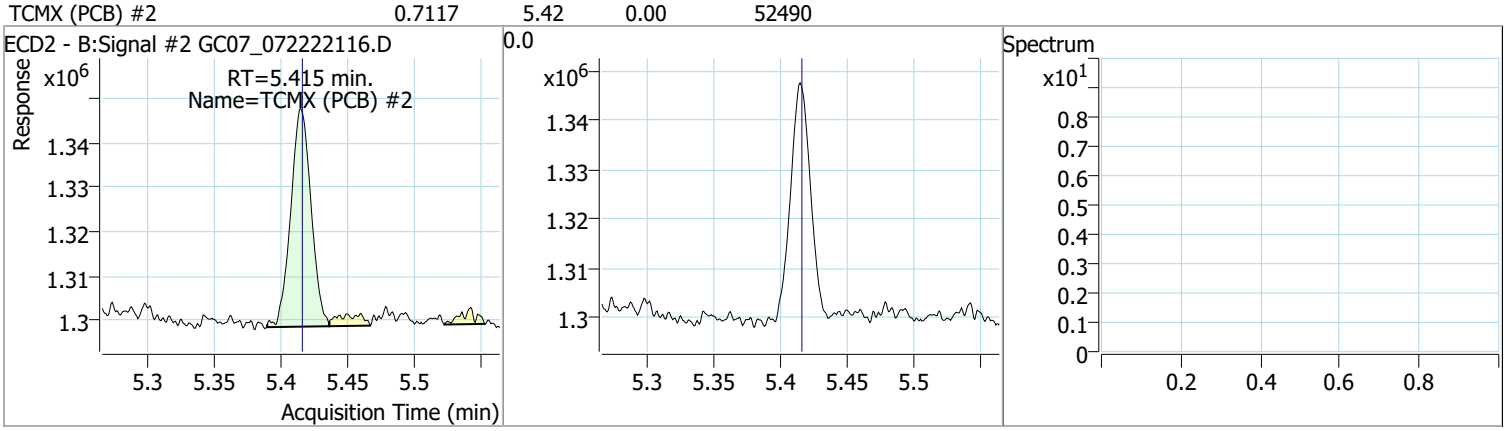
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 3	6.280	0.0	246585.067	23.6740	ng/ml	100
T AR1016 2 #2	6.339	0.0	69834.601	20.7633	ng/ml	100
T AR1016 4	6.418	0.0	175354.273	24.4588	ng/ml	100
T AR1016 5	6.901	0.0	136561.869	22.3150	ng/ml	100
T AR1016 3 #2	6.907	0.0	80399.784	19.7125	ng/ml	100
T AR1016 4 #2	7.088	0.0	59397.669	20.1941	ng/ml	100
T AR1016 5 #2	7.801	0.0	42759.255	18.6750	ng/ml	100
T AR1260 1	8.890	0.0	317355.820	0.0000	ng/ml	100
T AR1260 2	9.474	0.0	466190.365	23.2396	ng/ml	100
T AR1260 3	9.975	0.0	450724.468	23.1760	ng/ml	100
T AR1260 1 #2	10.251	0.0	83478.164	17.2126	ng/ml	100
T AR1260 4	10.527	0.0	217543.811	23.1538	ng/ml	100
T AR1260 2 #2	10.550	0.0	138551.323	24.1248	ng/ml	100
T AR1260 3 #2	11.022	0.0	140257.864	18.7568	ng/ml	100
T AR1260 5	11.283	0.0	252730.222	21.6069	ng/ml	100
T AR1260 4 #2	11.474	0.0	77933.193	19.1373	ng/ml	100
T AR1260 5 #2	12.179	0.0	104647.128	16.6442	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

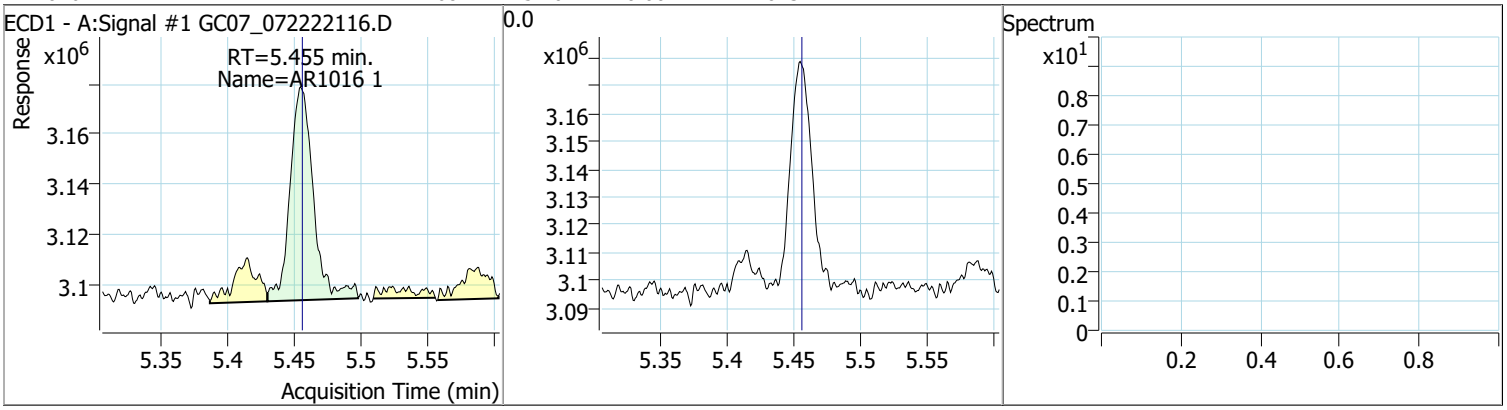
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	0.8952	5.11	0.00	183232				



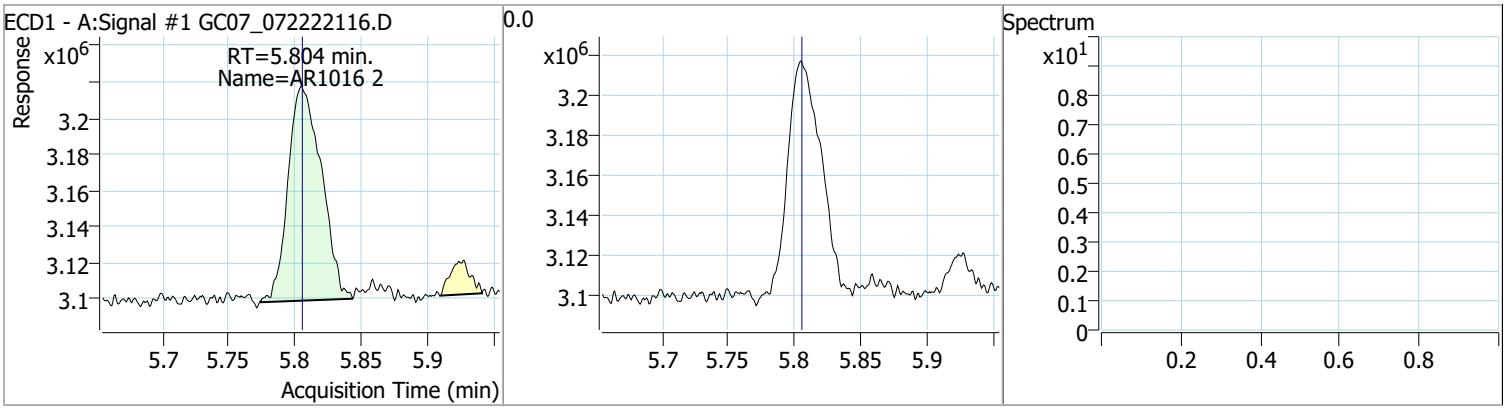
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	0.7117	5.42	0.00	52490				



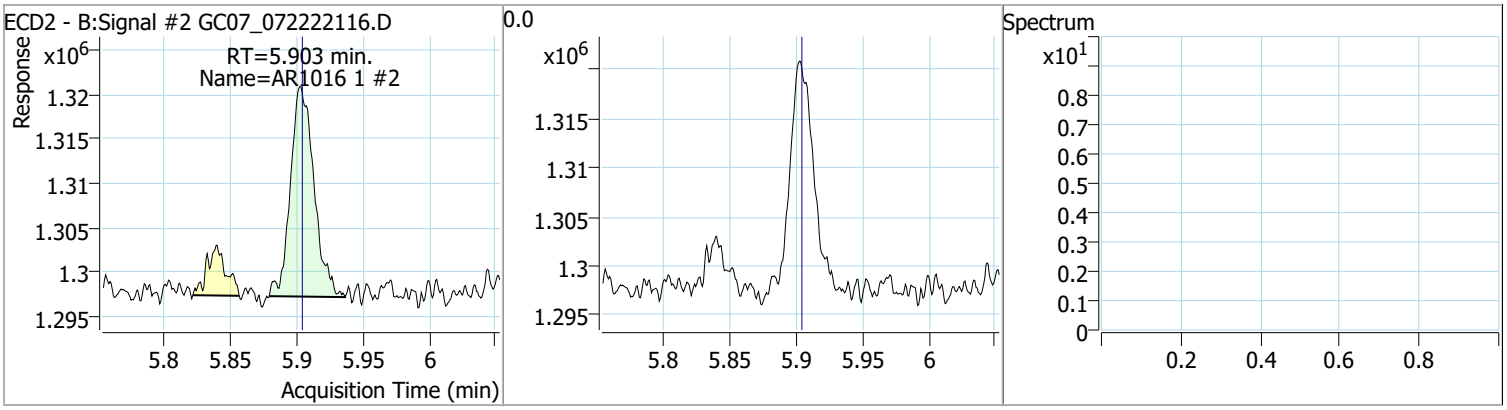
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	24.4682	5.46	0.00	104371				



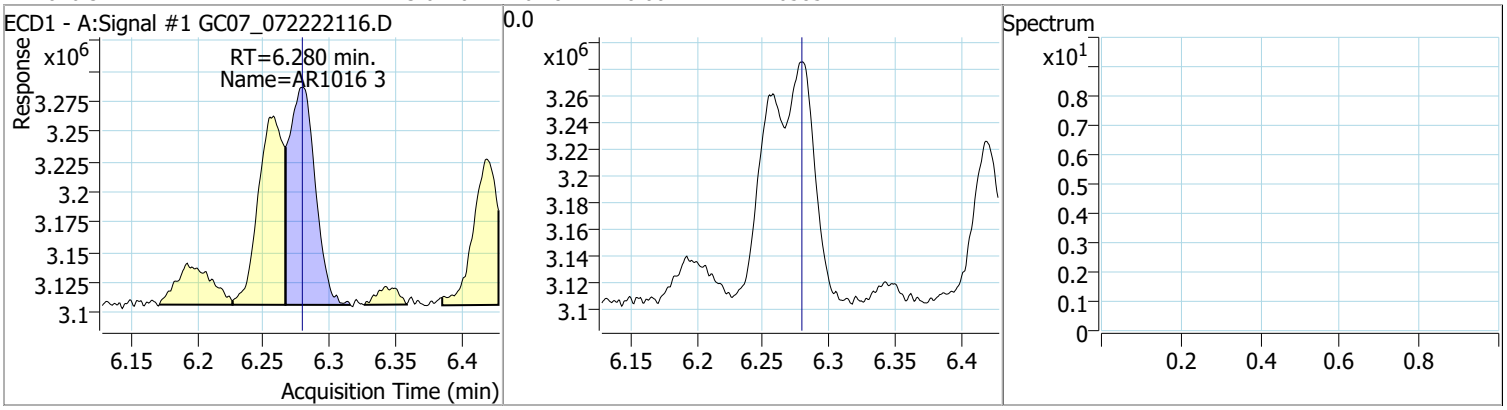
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.80	0.00	207744				



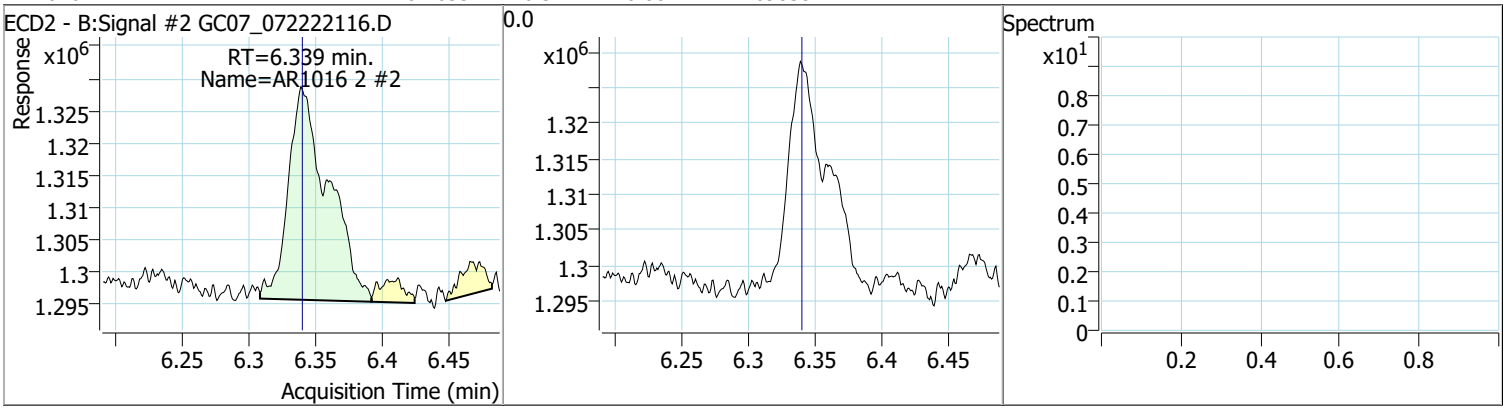
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	18.9344	5.90	0.00	29239				



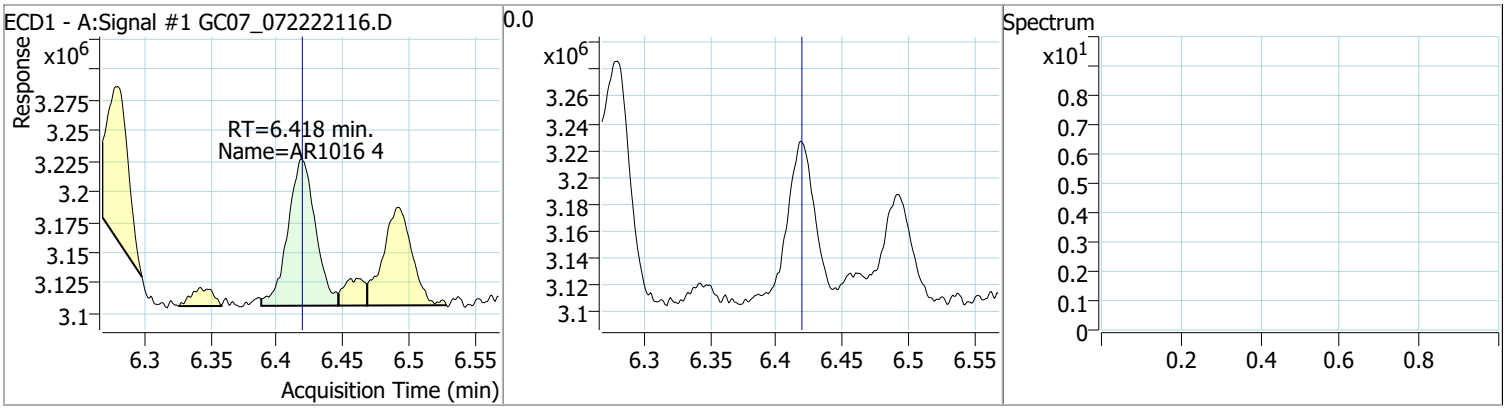
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	23.6740	6.28	0.00	246585				



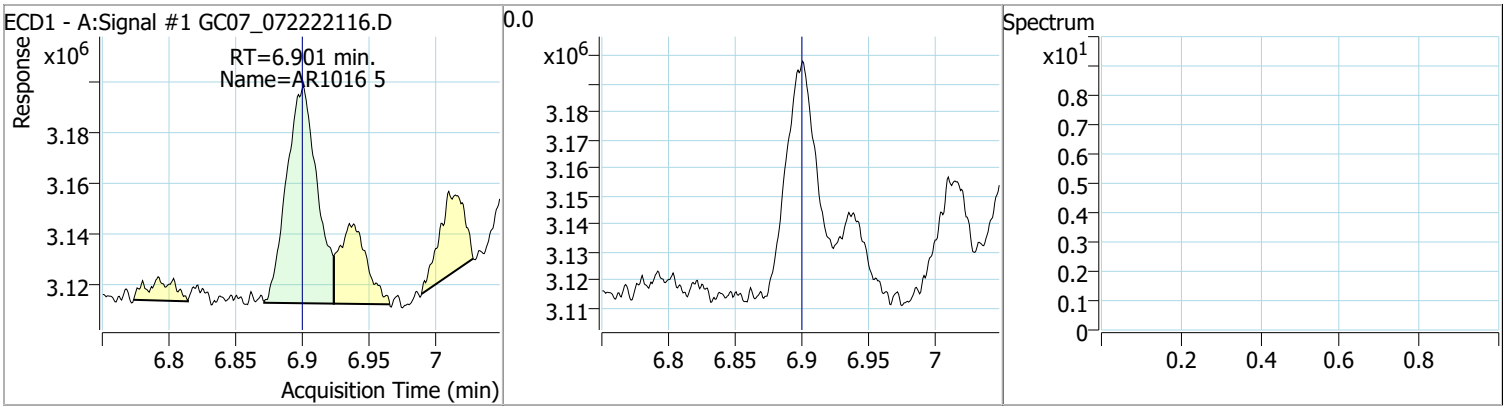
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	20.7633	6.34	0.00	69835				



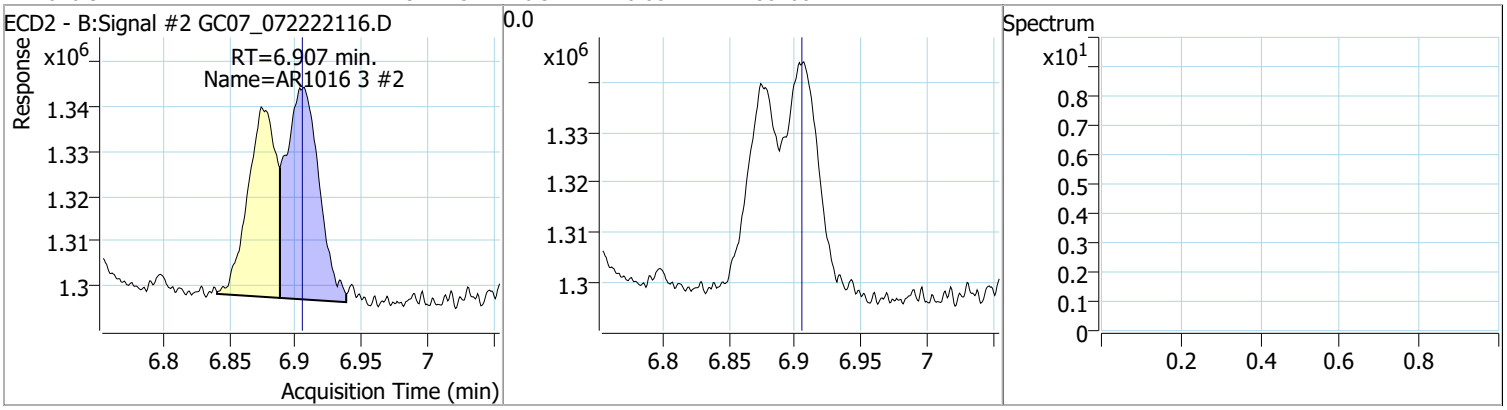
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	24.4588	6.42	0.00	175354				



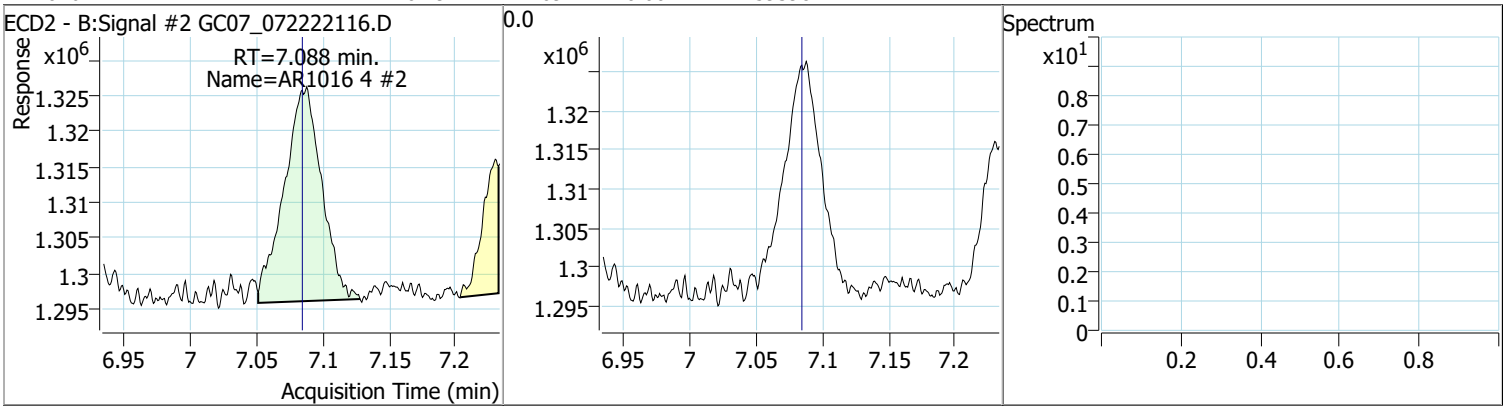
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	22.3150	6.90	0.00	136562				



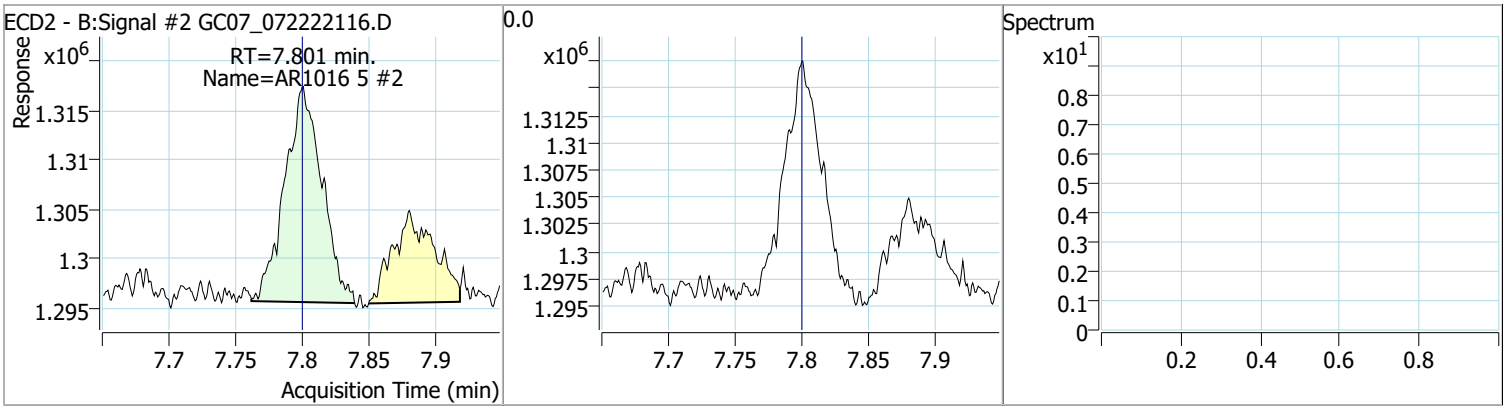
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	19.7125	6.91	0.00	80400				



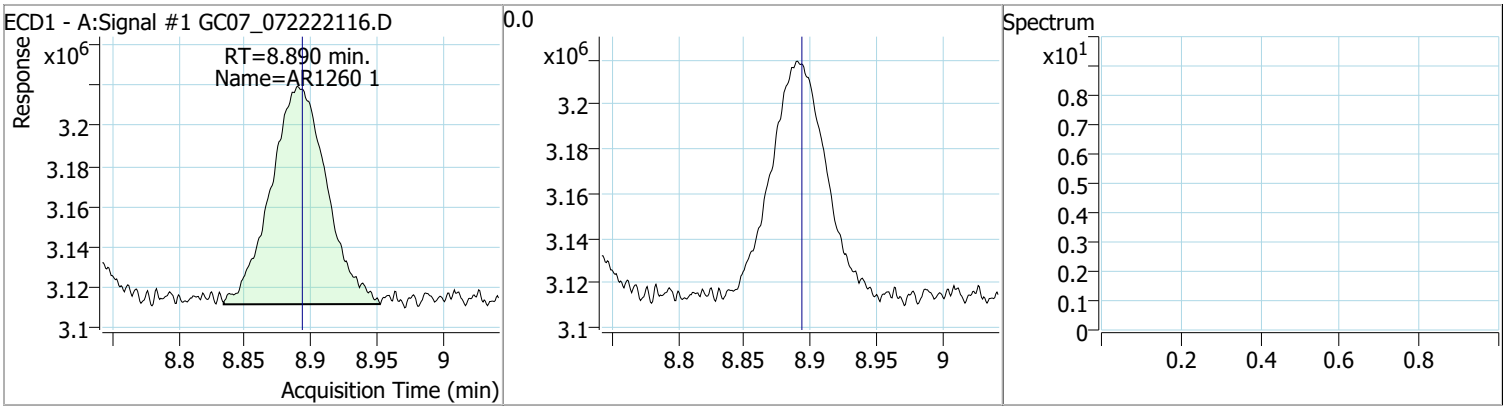
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	20.1941	7.09	0.00	59398				



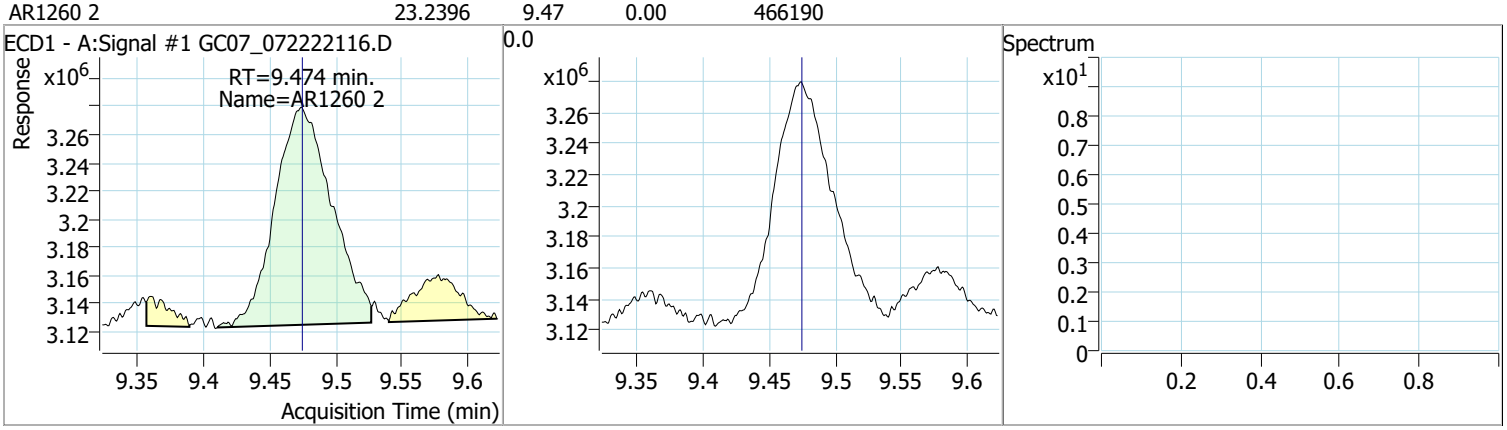
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	18.6750	7.80	0.00	42759				



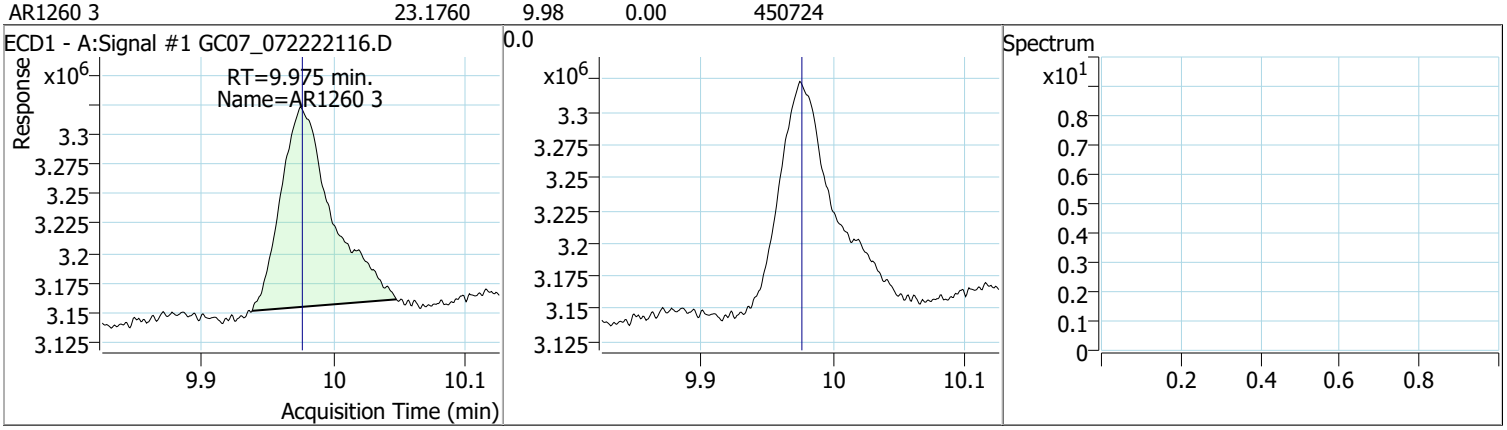
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	0.0000	8.89	0.00	317356				



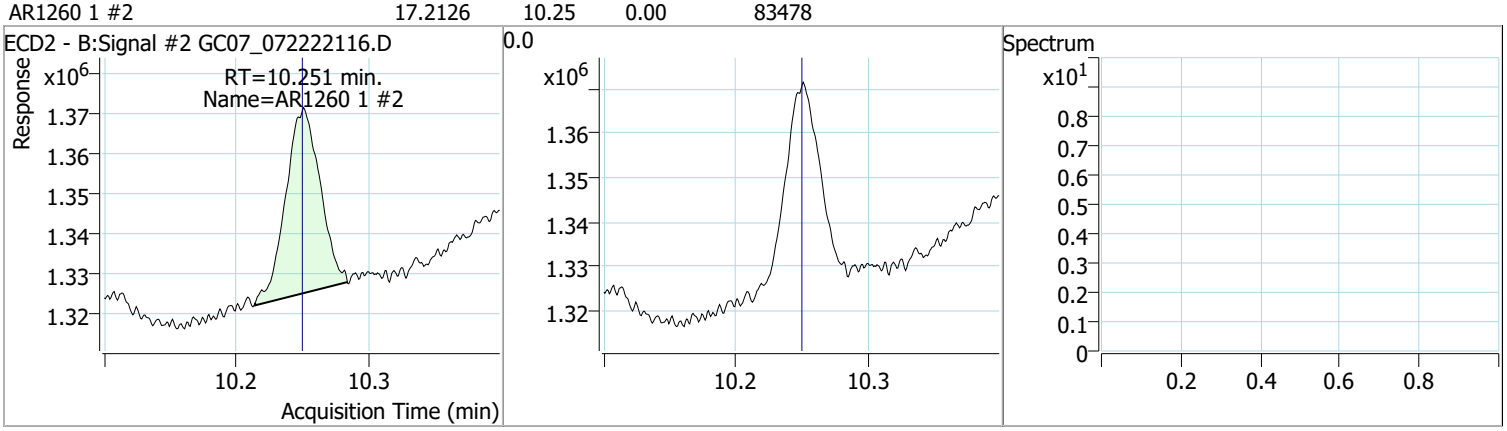
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	23.2396	9.47	0.00	466190				



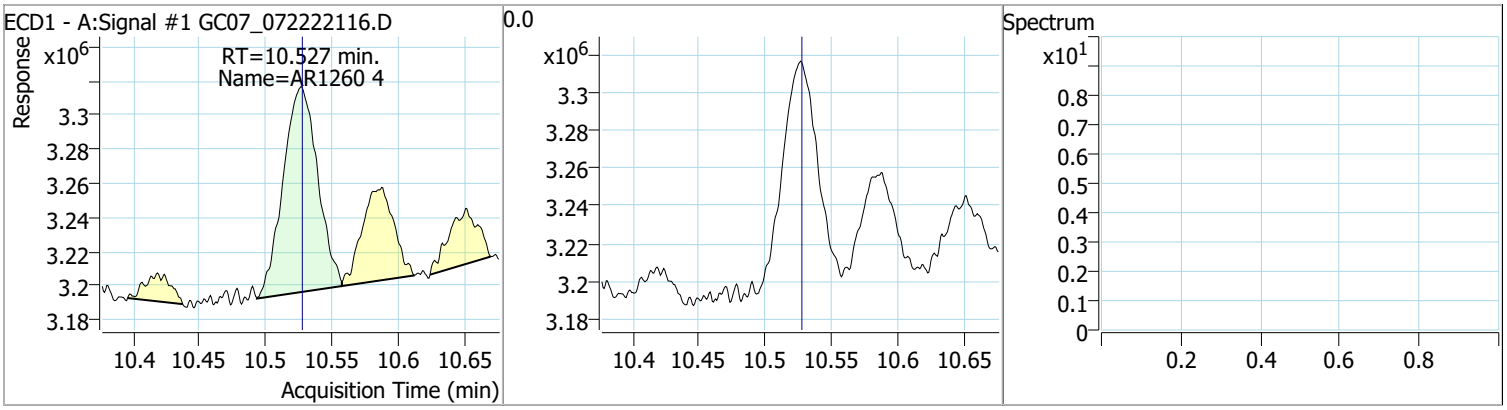
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	23.1760	9.98	0.00	450724				



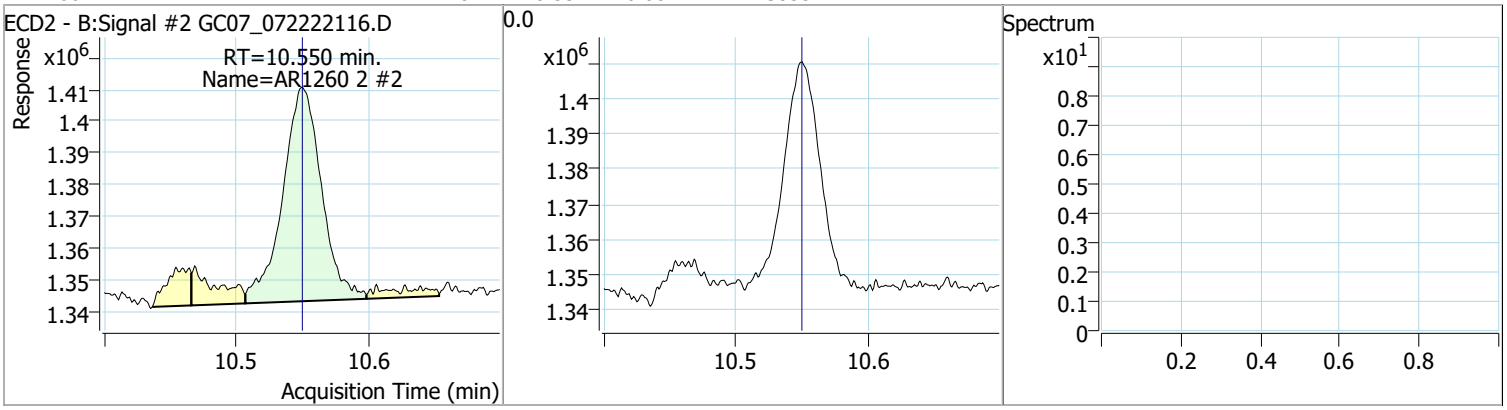
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	17.2126	10.25	0.00	83478				



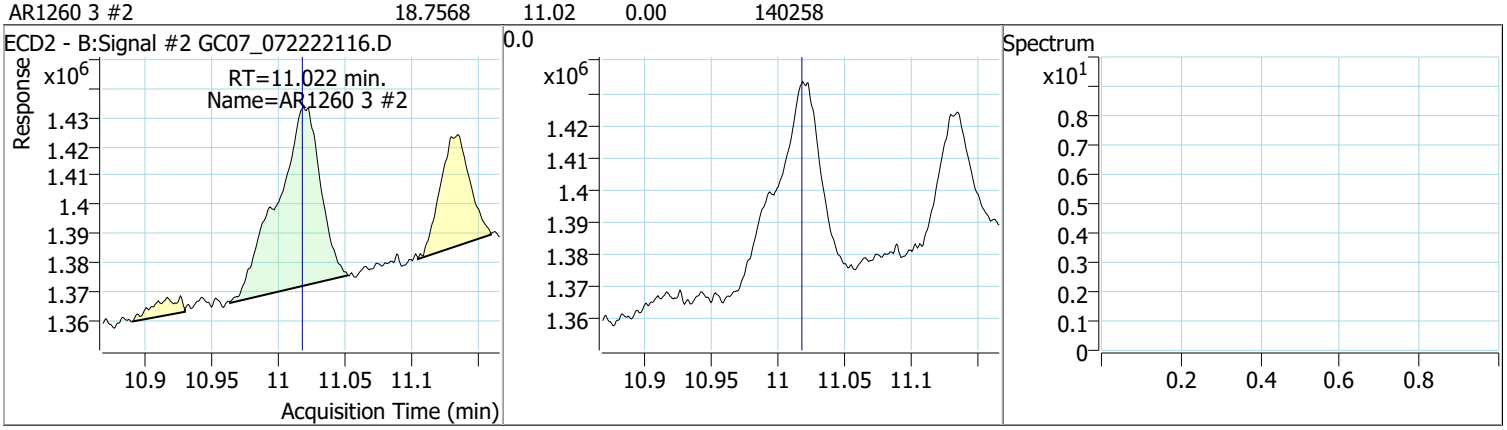
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	23.1538	10.53	0.00	217544				



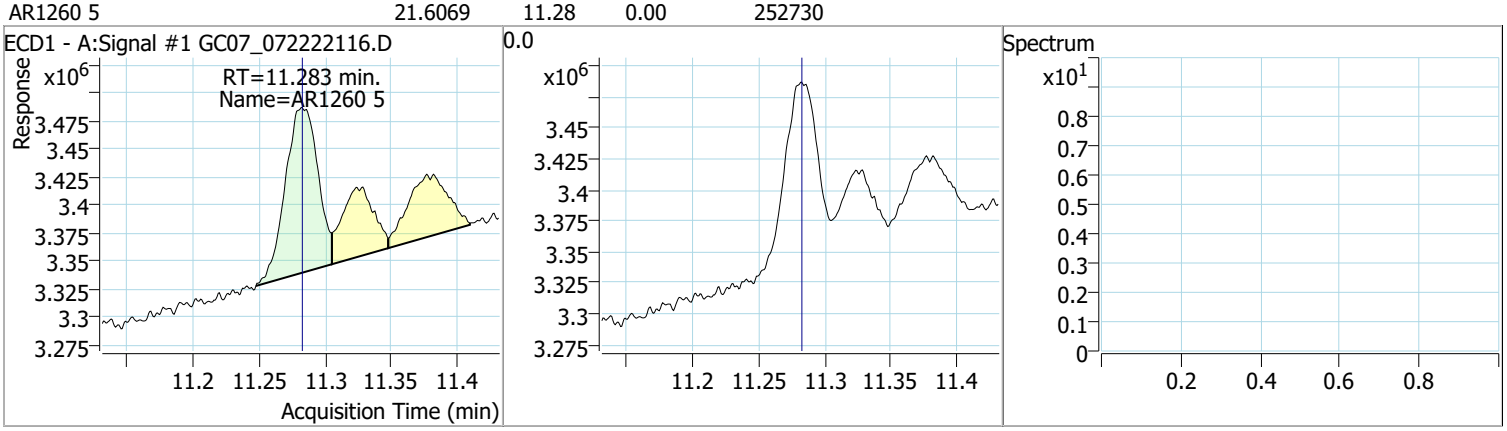
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	24.1248	10.55	0.00	138551				



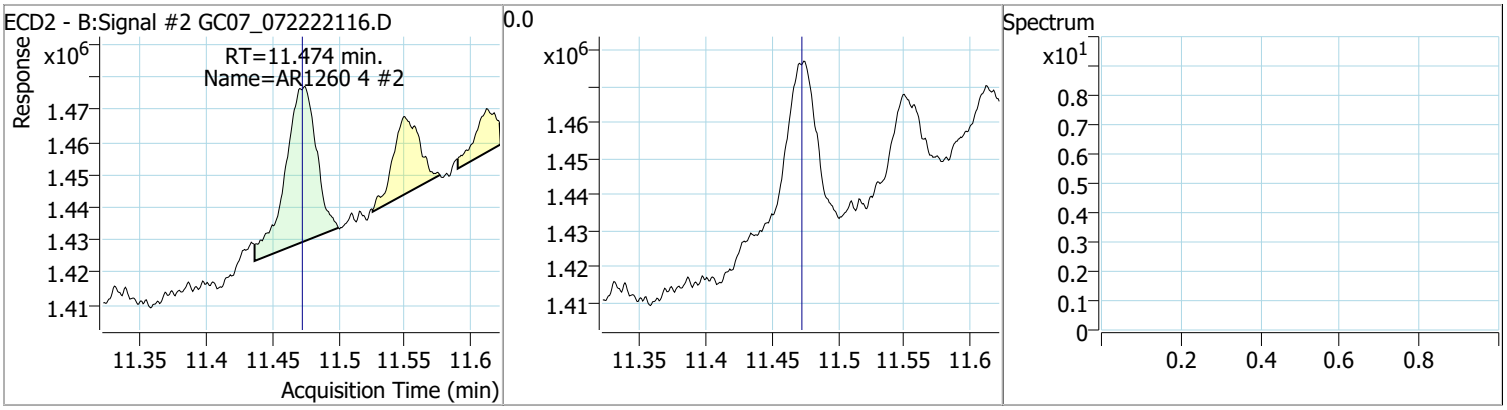
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	18.7568	11.02	0.00	140258				



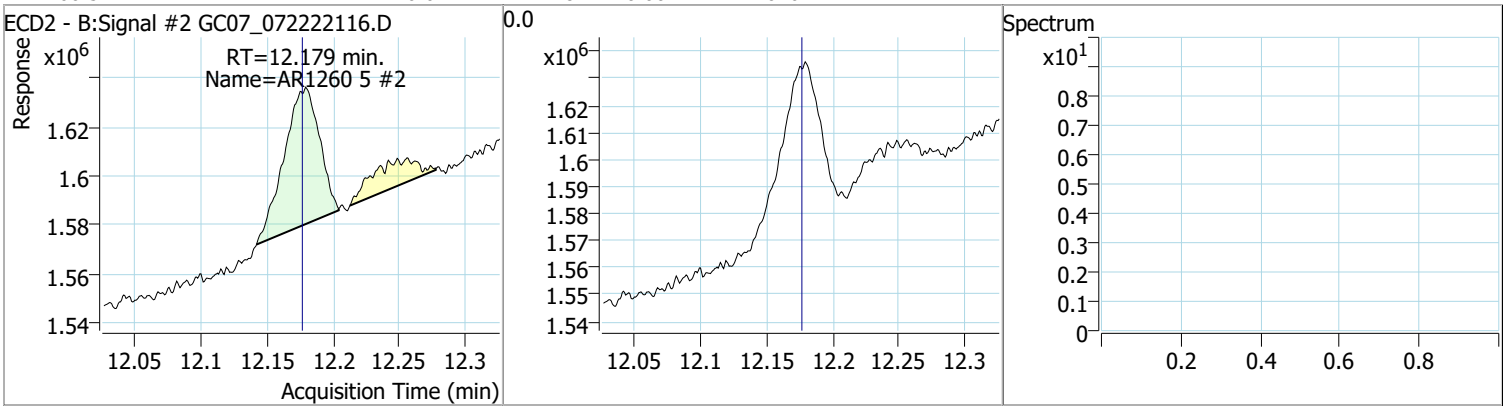
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	21.6069	11.28	0.00	252730				



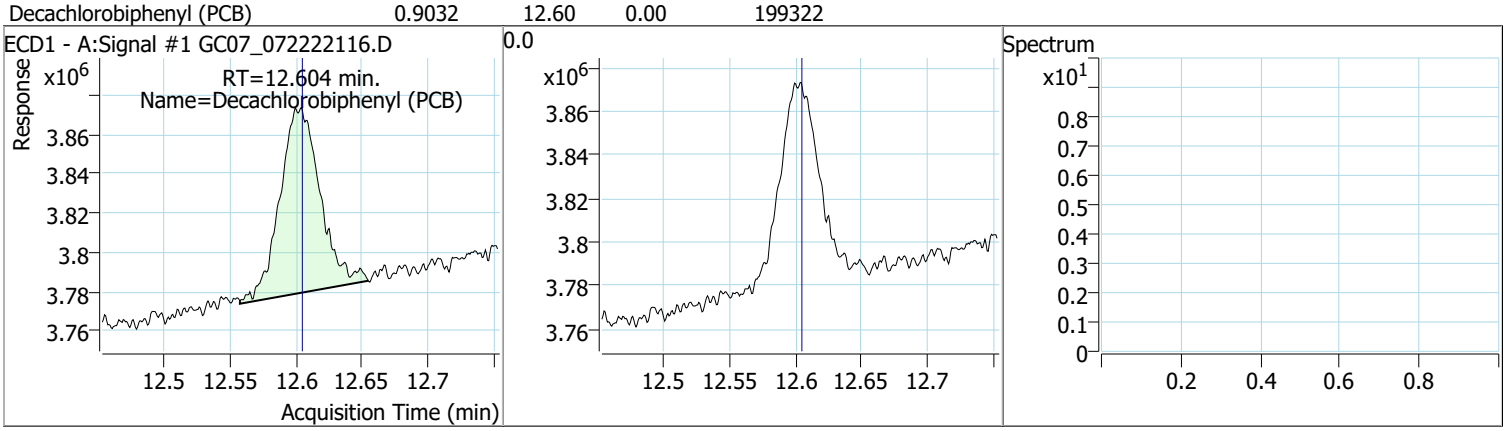
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	19.1373	11.47	0.00	77933				



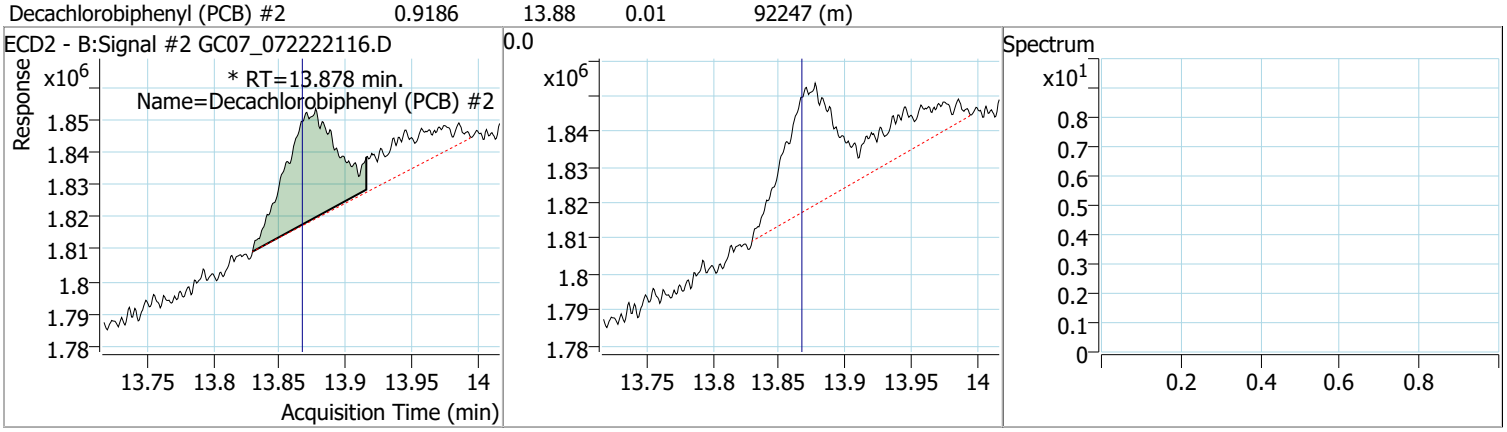
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	16.6442	12.18	0.00	104647				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	0.9032	12.60	0.00	199322				

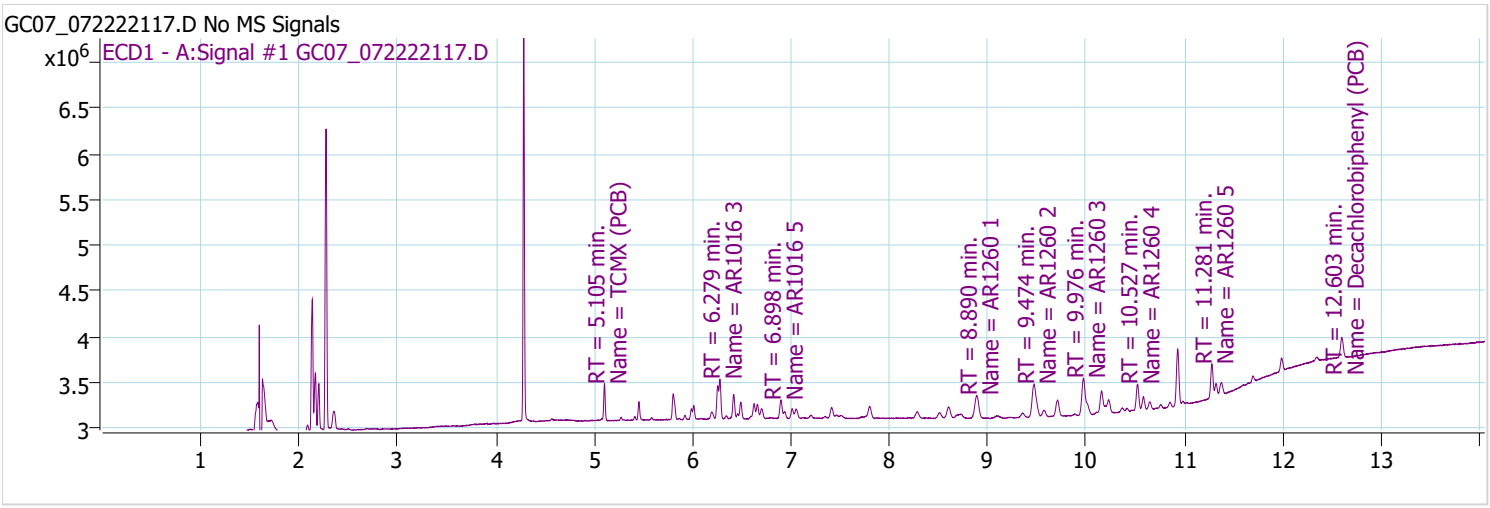


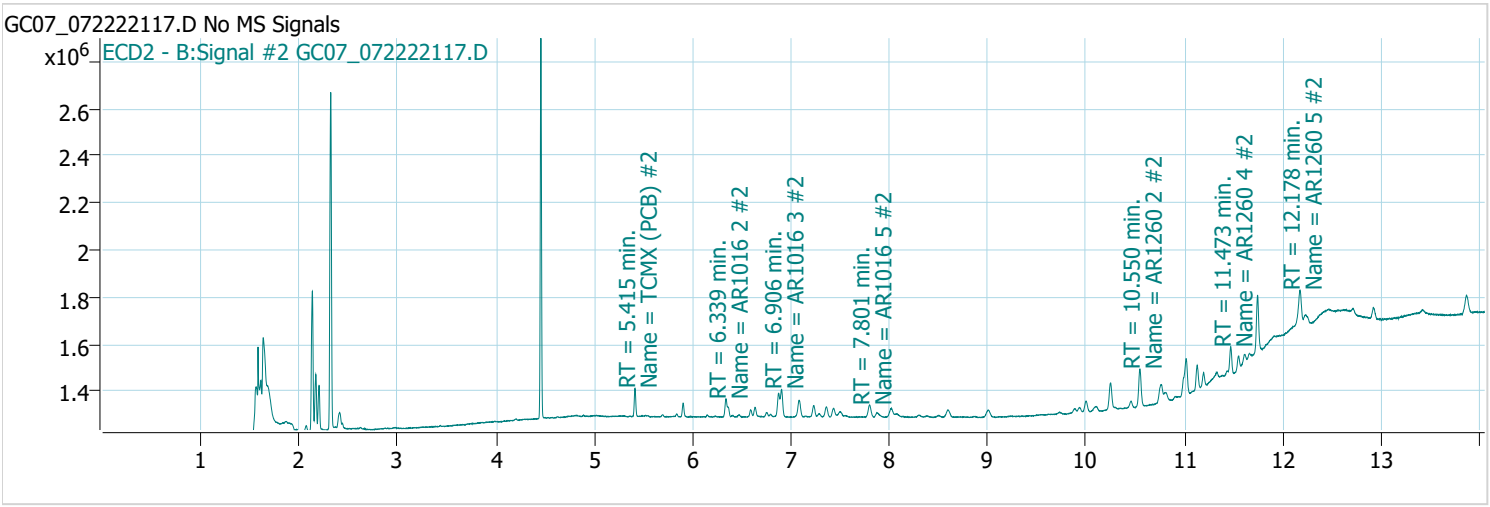
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	0.9186	13.88	0.01	92247 (m)				



Quantitation Results Report (Not Reviewed)

Data File	GC07_072222117.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/22/2022 8:08:12 PM
Sample Name	ICAL, S16726, 40	Instrument	SVOA-GC07
Vial	82	Multiplier	1.00
DA Method File	PCB_608_072222_GC07_1.m	Comment	50 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	072222PCBICAL.batch.bin	Last Calib Update	7/23/2022 5:05:17 PM
Ref Library			



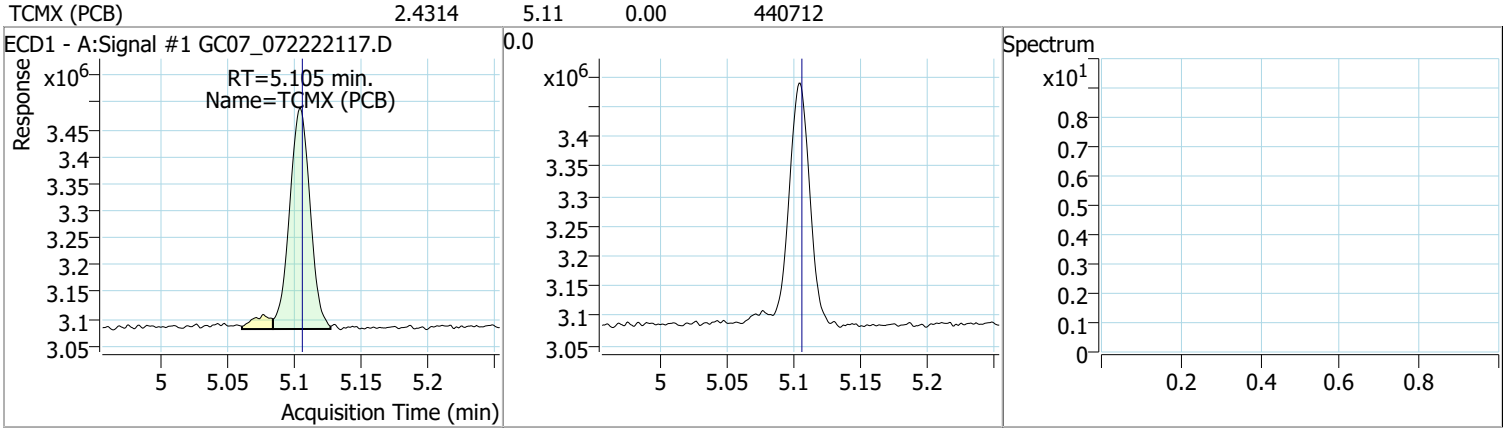


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	4027377.744	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.458	0.0	1415027.003	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.105	0.0	440712.024	2.4314	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 12.16%		*	
S TCMX (PCB) #2	5.415	0.0	134559.973	2.1408	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.70%		*	
S Decachlorobiphenyl (PCB)	12.603	0.0	451244.039	2.3089	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 11.54%		*	
S Decachlorobiphenyl (PCB) #2	13.873	0.0	200002.797	2.3369	ng/ml		0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 11.68%		*	
Target Compounds							**QValue**
T AR1016 1	5.455	0.0	243100.725	64.3561	ng/ml		100
T AR1016 2	5.804	0.0	499425.776	44.7931	ng/ml		100
T AR1016 1 #2	5.904	0.0	74558.865	56.6541	ng/ml		100

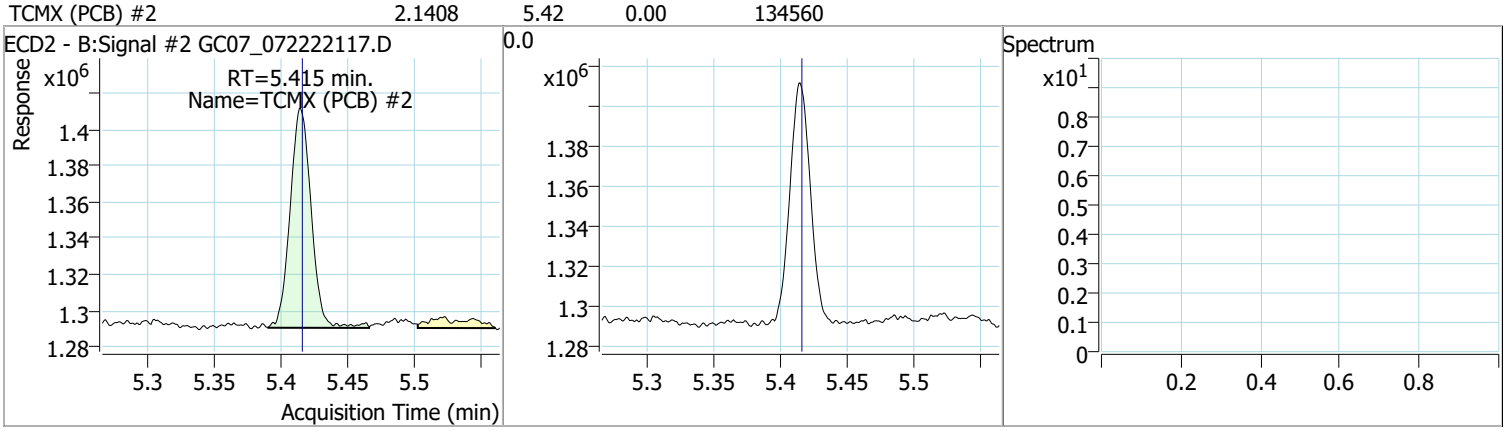
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 3	6.279	0.0	589591.656	63.9203	ng/ml	100
T AR1016 2 #2	6.339	0.0	157087.218	54.8039	ng/ml	100
T AR1016 4	6.418	0.0	394075.658	62.0699	ng/ml	100
T AR1016 5	6.898	0.0	339882.238	62.7159	ng/ml	100
T AR1016 3 #2	6.906	0.0	193663.067	55.7158	ng/ml	100
T AR1016 4 #2	7.084	0.0	144320.621	57.5744	ng/ml	100
T AR1016 5 #2	7.801	0.0	106916.467	54.7924	ng/ml	100
T AR1260 1	8.890	0.0	727503.937	41.3419	ng/ml	100
T AR1260 2	9.474	0.0	1081202.432	60.8632	ng/ml	100
T AR1260 3	9.976	0.0	1004800.303	58.3431	ng/ml	100
T AR1260 1 #2	10.252	0.0	237156.397	57.3790	ng/ml	100
T AR1260 4	10.527	0.0	532127.707	63.9547	ng/ml	100
T AR1260 2 #2	10.550	0.0	287163.043	58.6714	ng/ml	100
T AR1260 3 #2	11.019	0.0	362835.749	56.9361	ng/ml	100
T AR1260 5	11.281	0.0	619094.078	59.7687	ng/ml	100
T AR1260 4 #2	11.473	0.0	175519.433	50.5743	ng/ml	100
T AR1260 5 #2	12.178	0.0	389829.669	72.7540	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

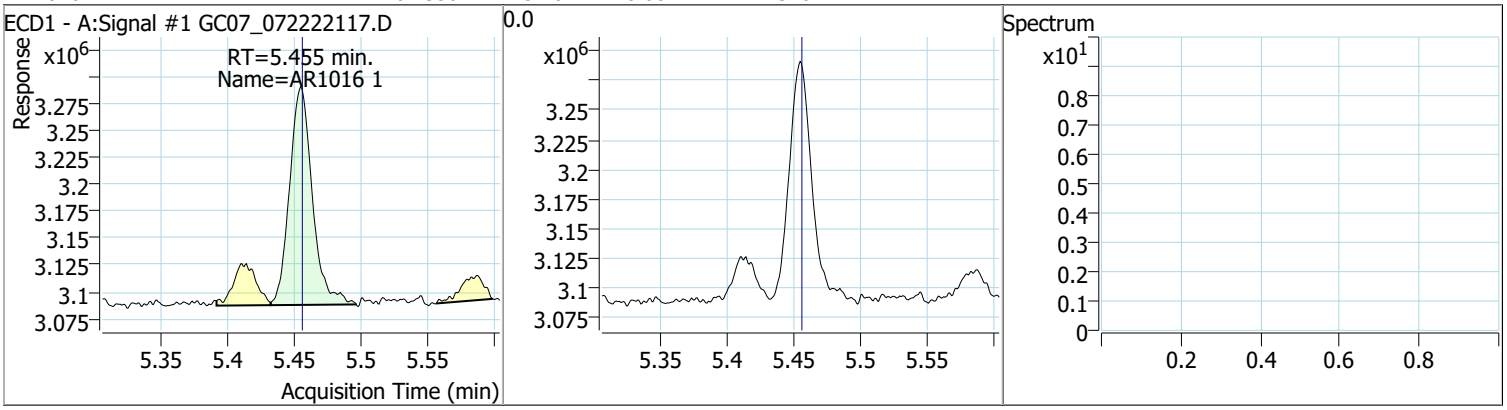
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	2.4314	5.11	0.00	440712				



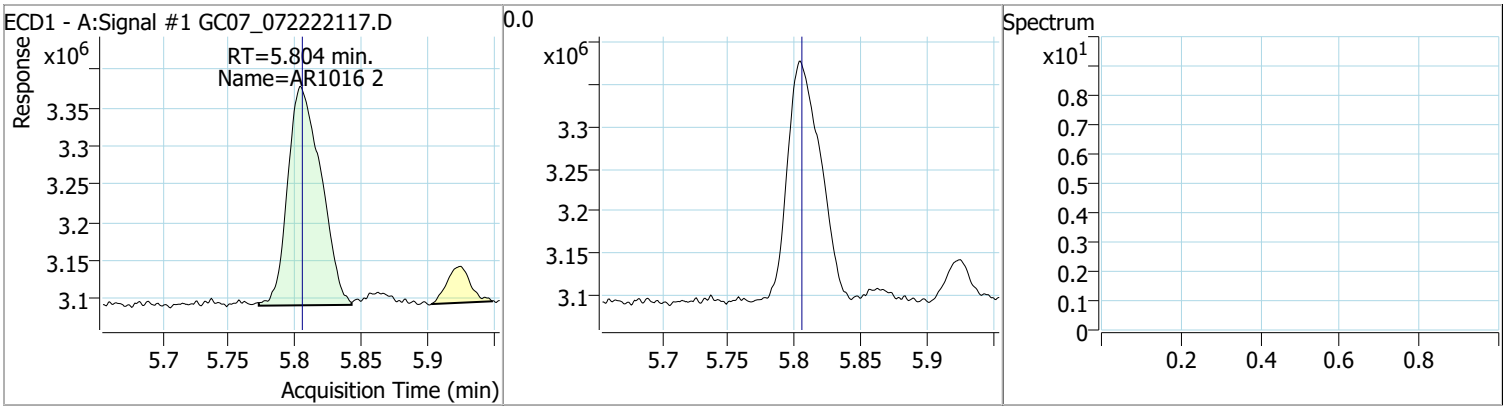
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	2.1408	5.42	0.00	134560				



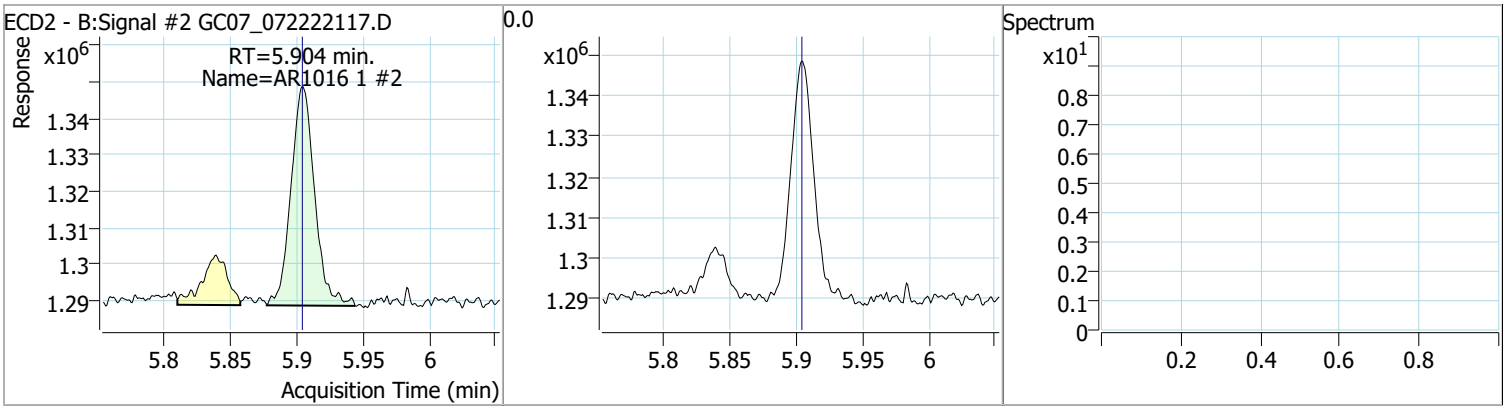
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	64.3561	5.46	0.00	243101				



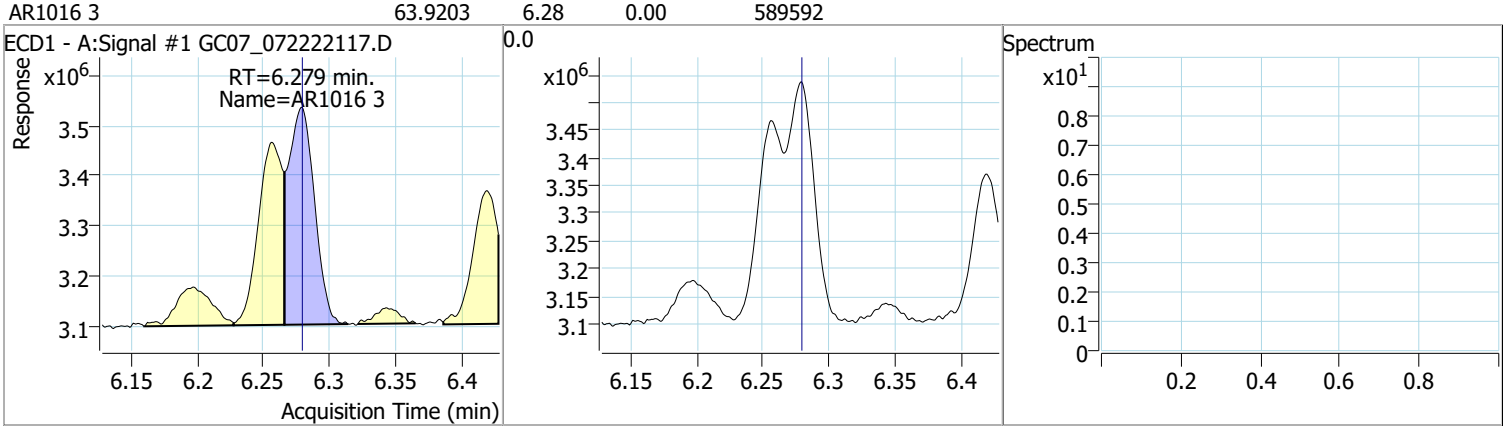
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	44.7931	5.80	0.00	499426				



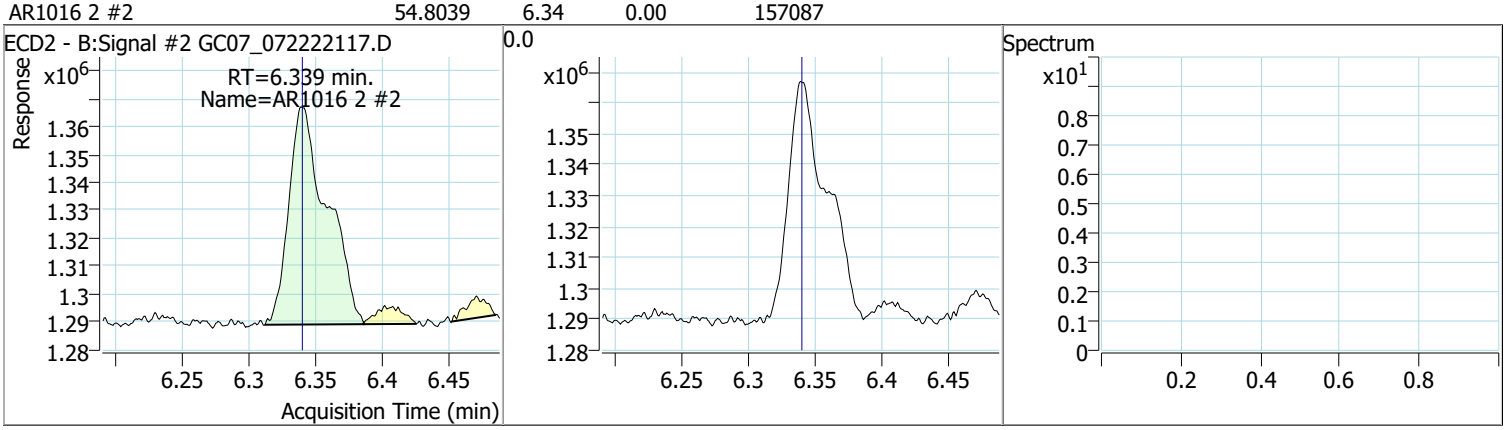
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	56.6541	5.90	0.00	74559				



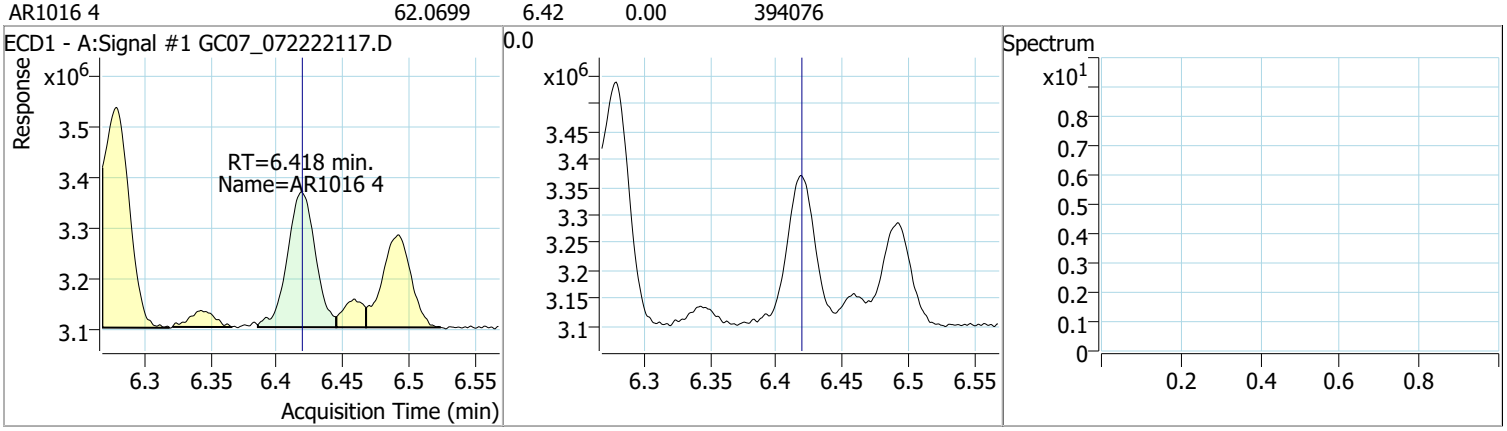
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	63.9203	6.28	0.00	589592				



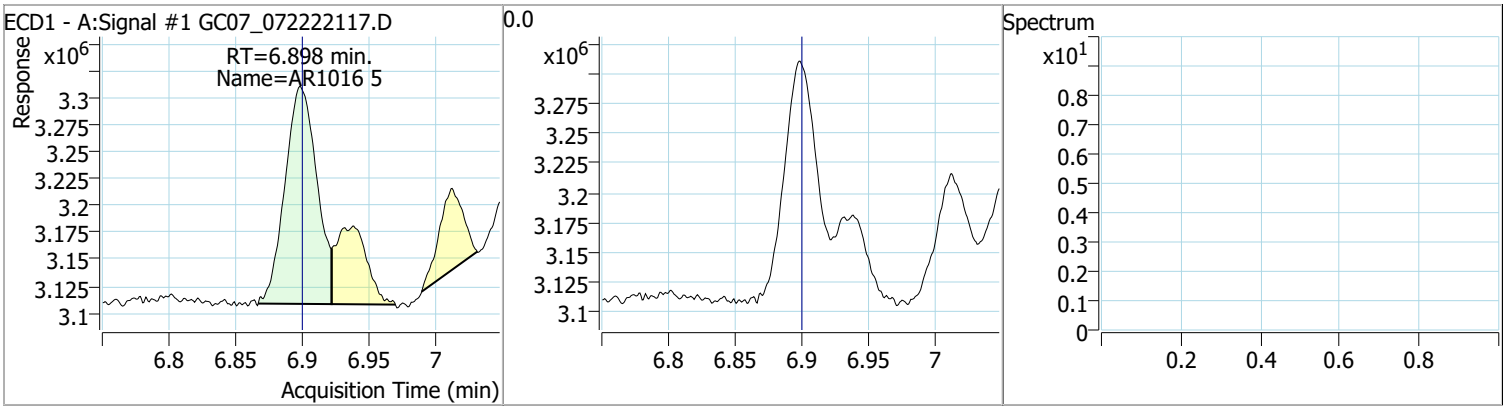
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	54.8039	6.34	0.00	157087				



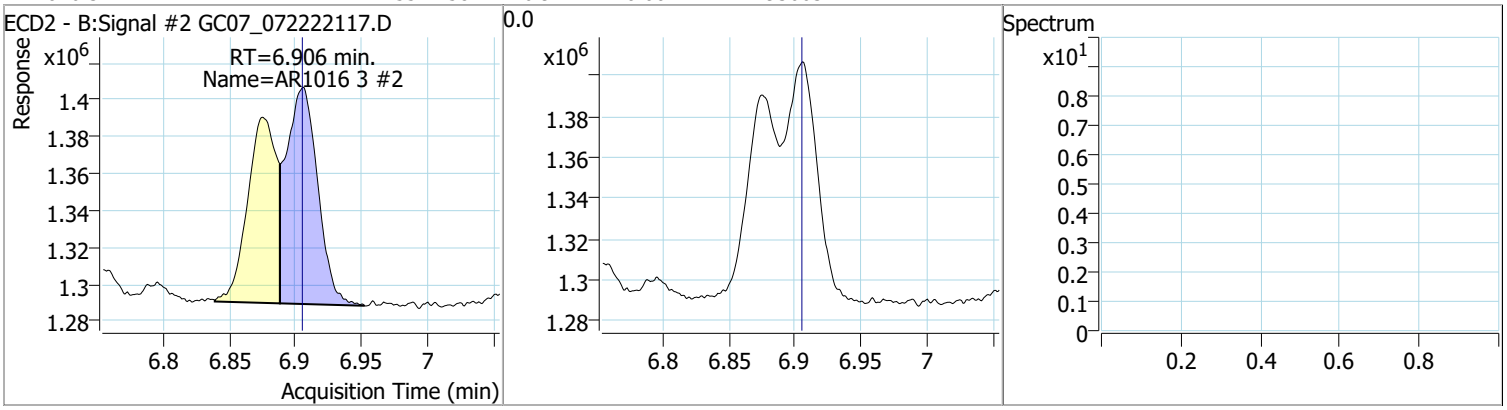
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	62.0699	6.42	0.00	394076				



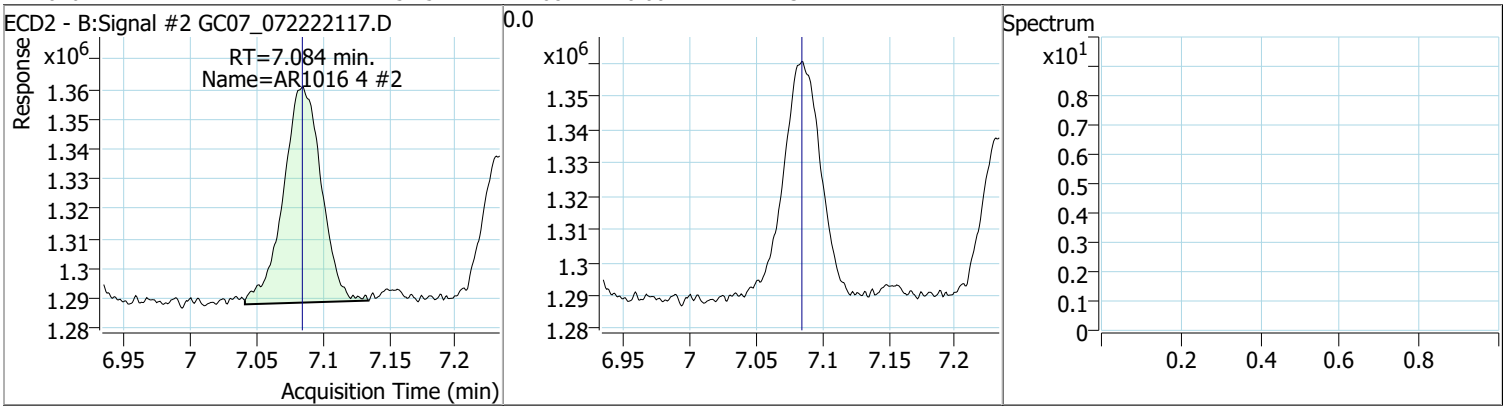
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	62.7159	6.90	0.00	339882				



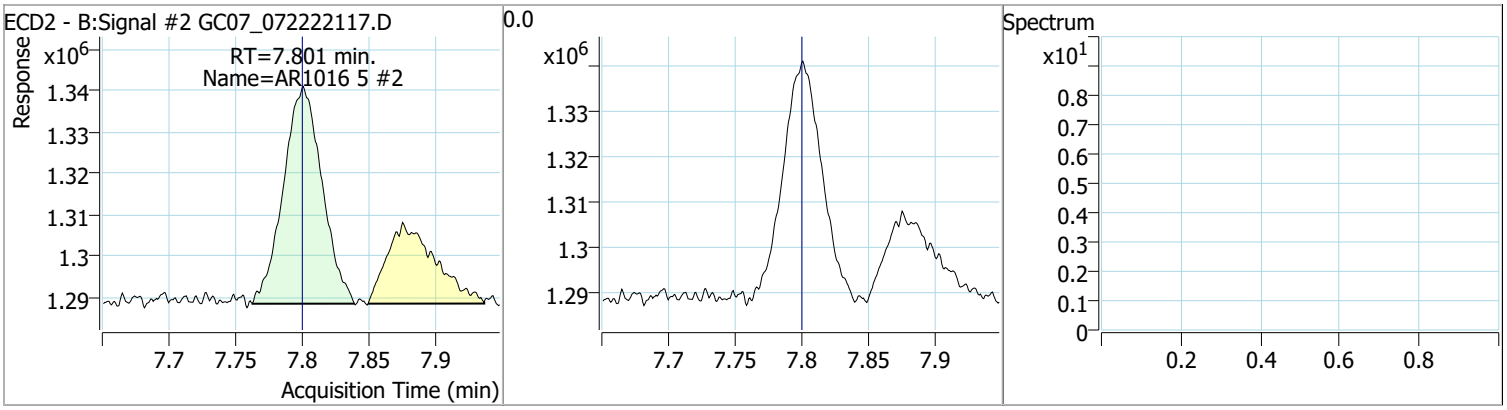
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	55.7158	6.91	0.00	193663				



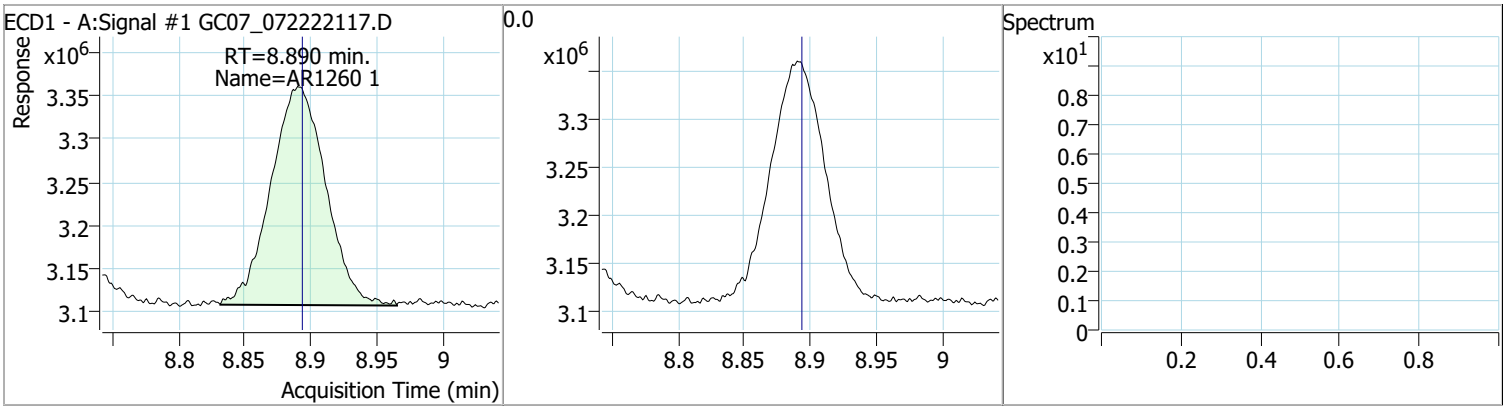
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	57.5744	7.08	0.00	144321				



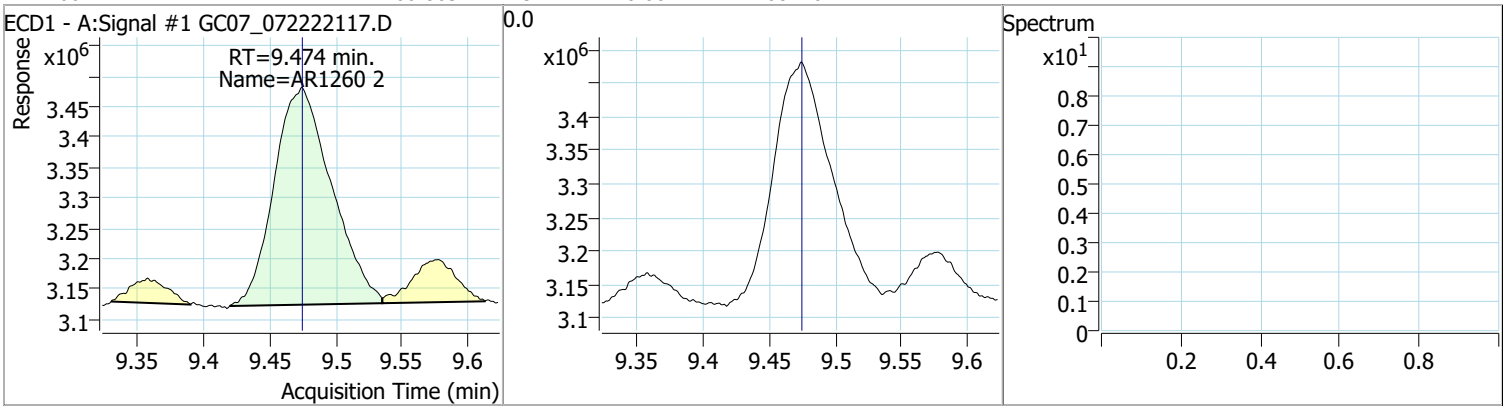
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	54.7924	7.80	0.00	106916				



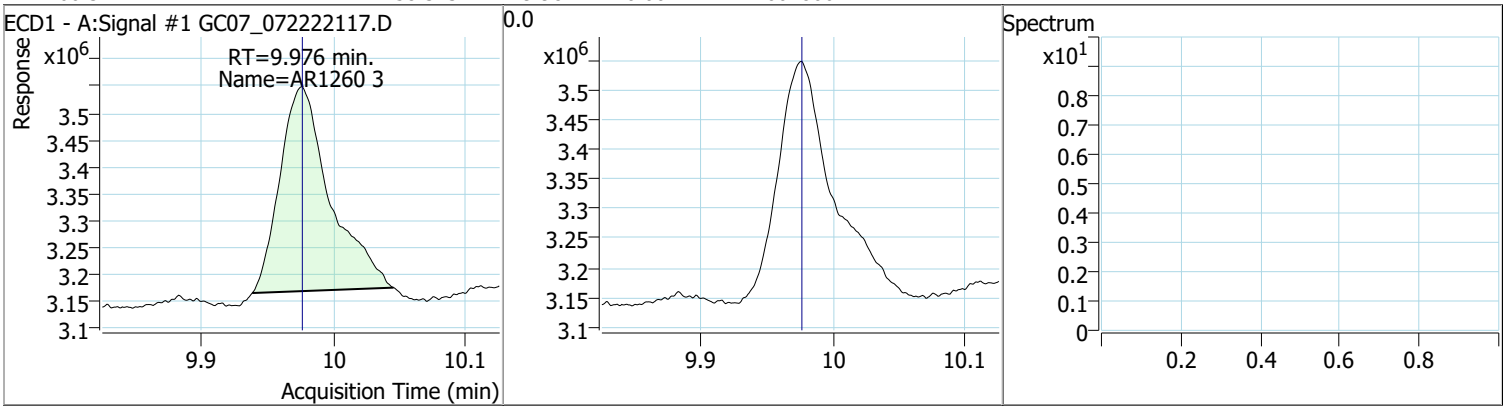
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	41.3419	8.89	0.00	727504				



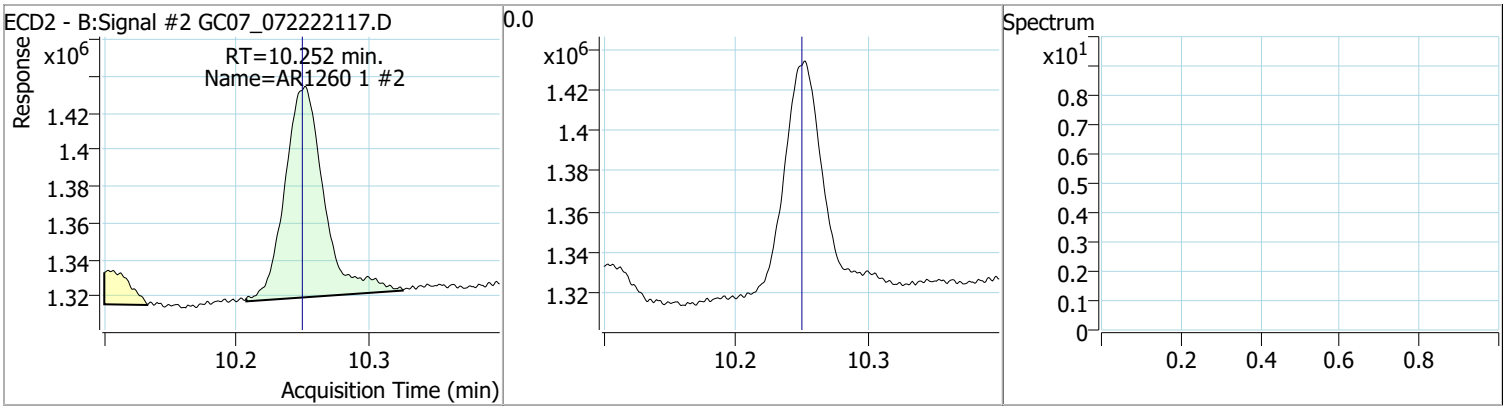
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	60.8632	9.47	0.00	1081202				



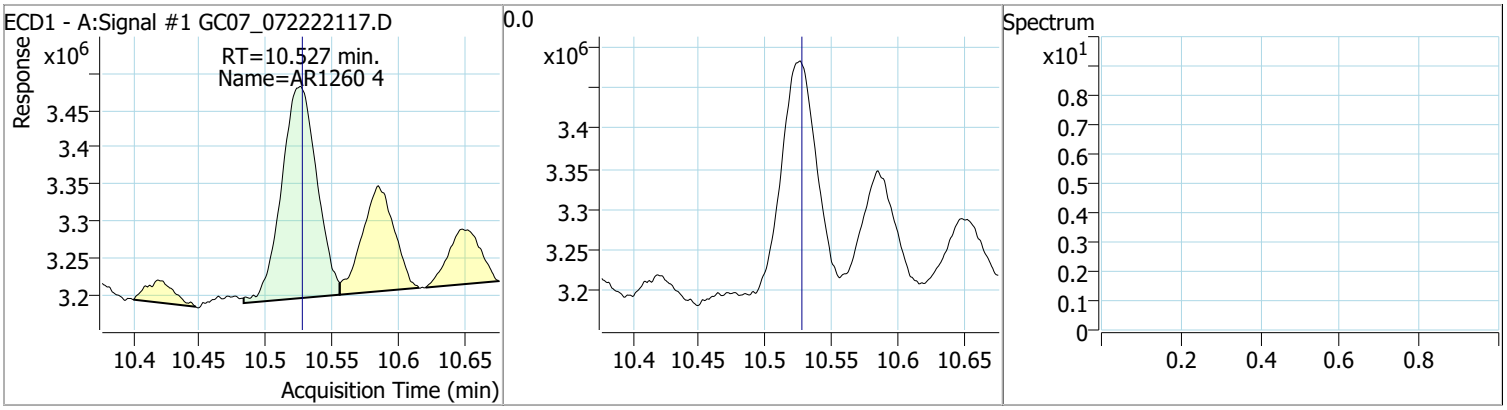
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	58.3431	9.98	0.00	1004800				



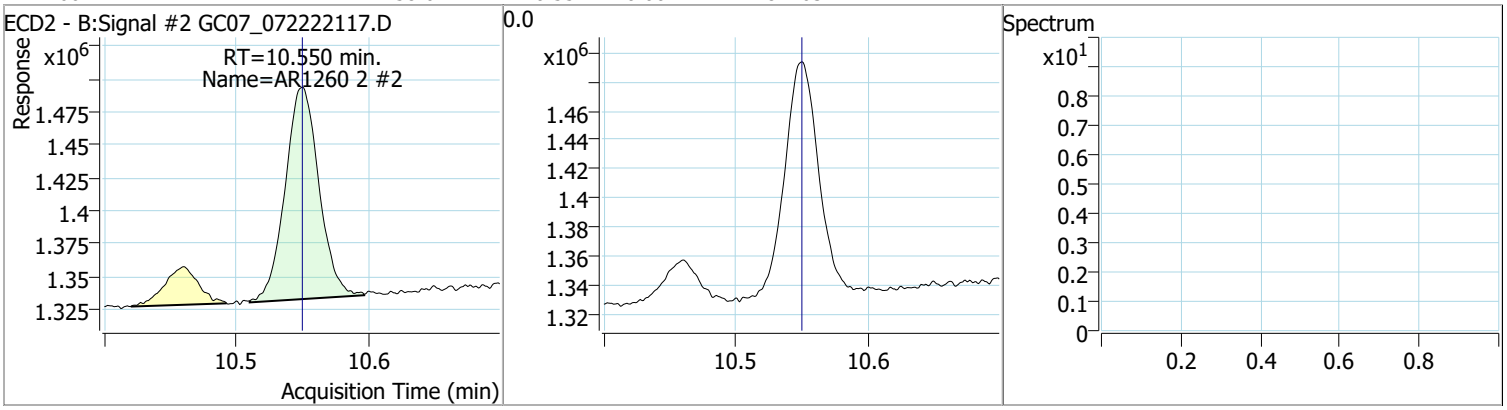
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	57.3790	10.25	0.00	237156				



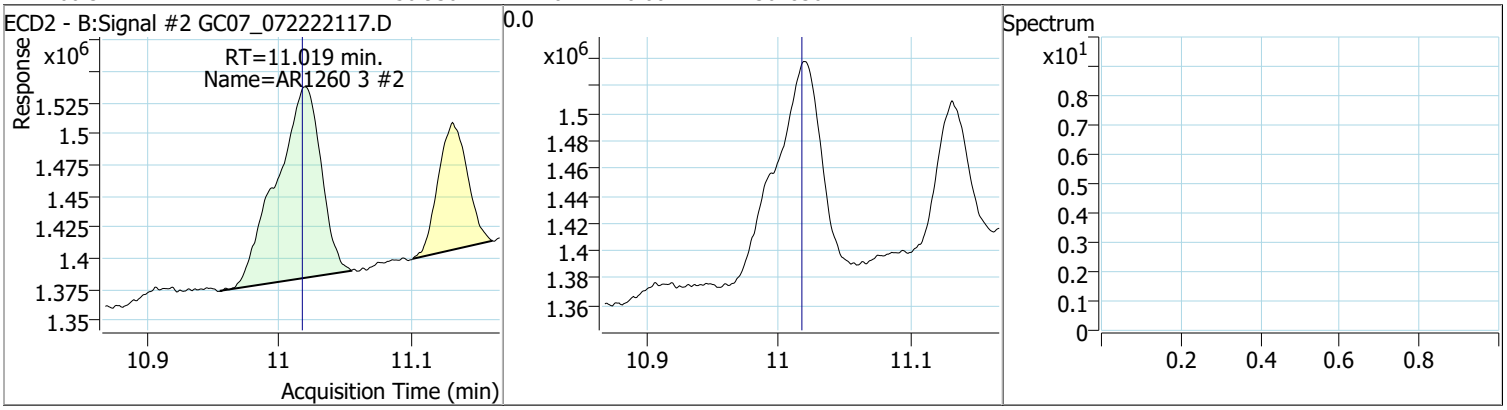
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	63.9547	10.53	0.00	532128				



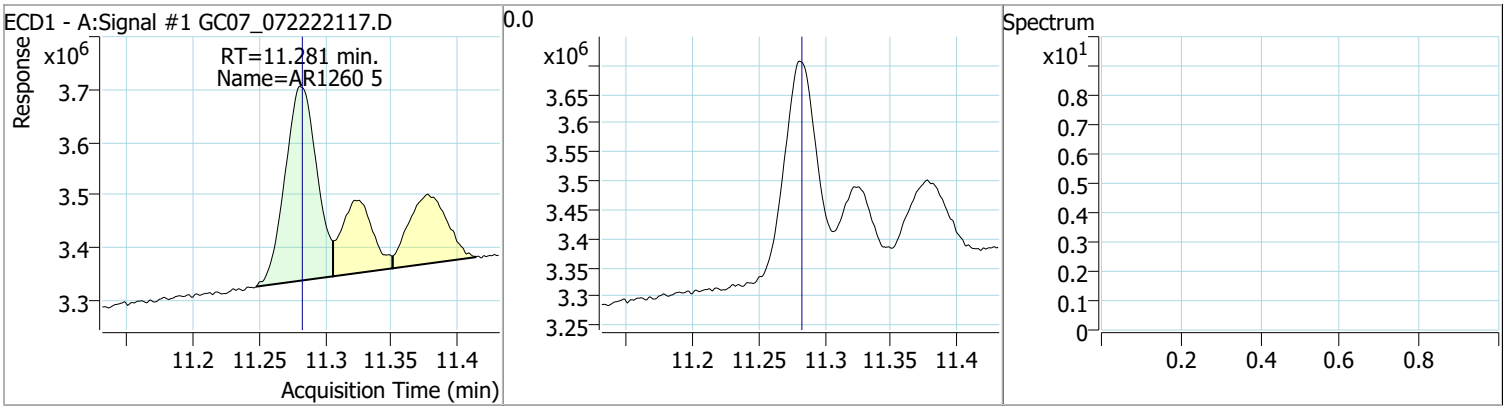
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	58.6714	10.55	0.00	287163				



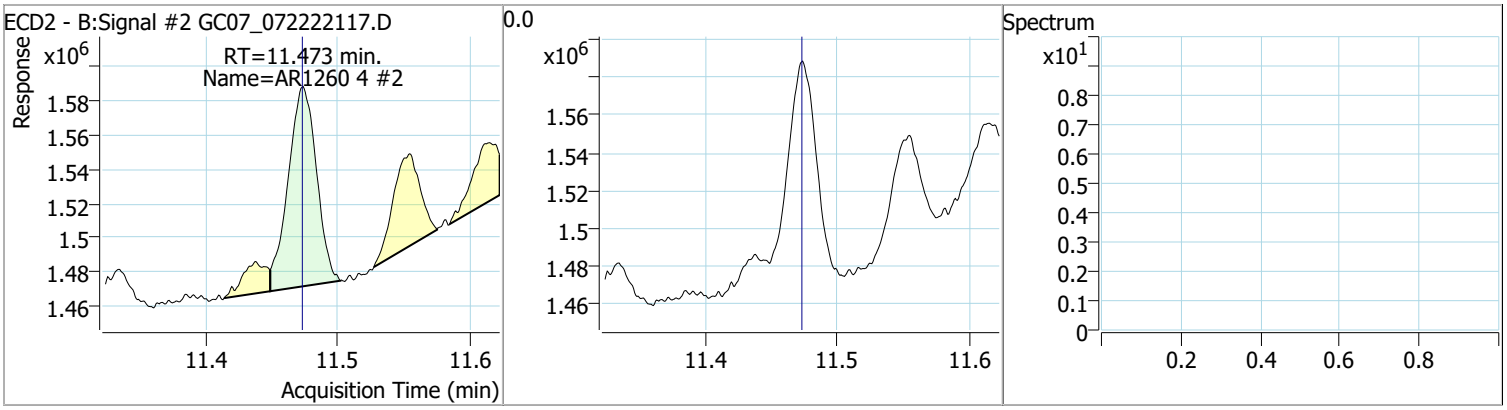
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	56.9361	11.02	0.00	362836				



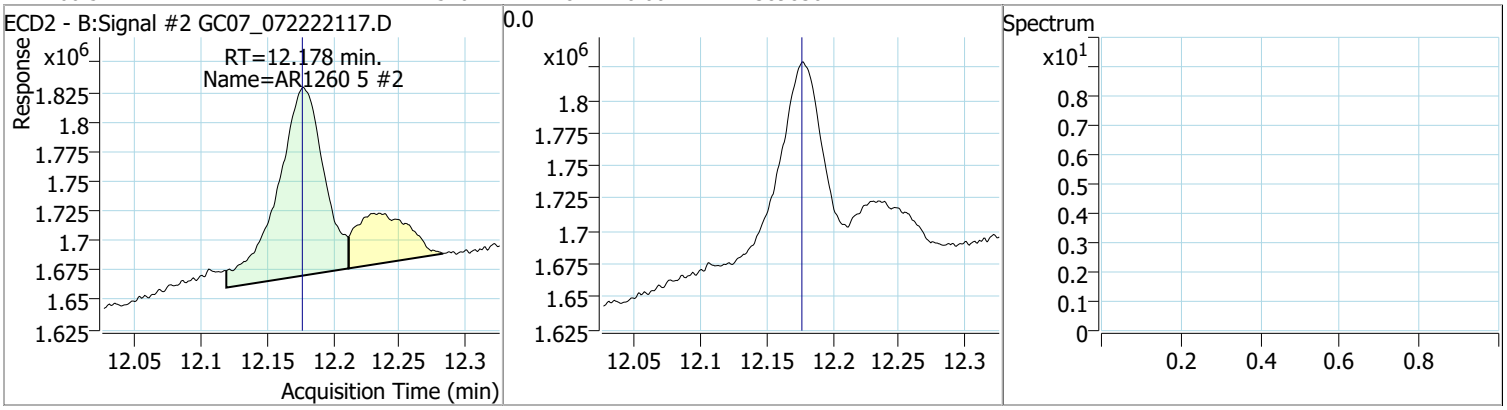
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	59.7687	11.28	0.00	619094				



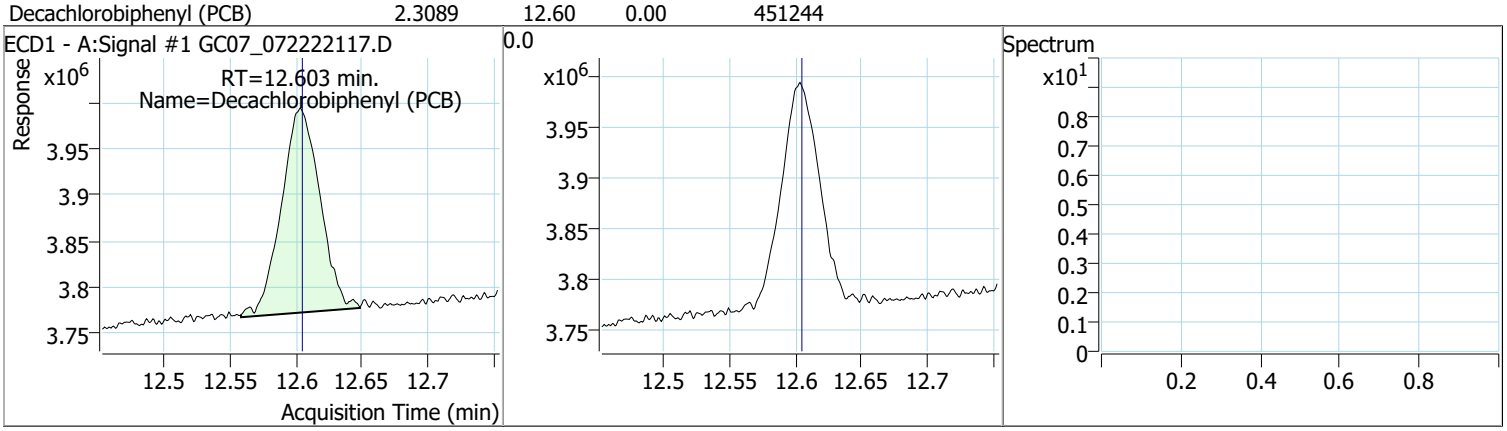
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	50.5743	11.47	0.00	175519				



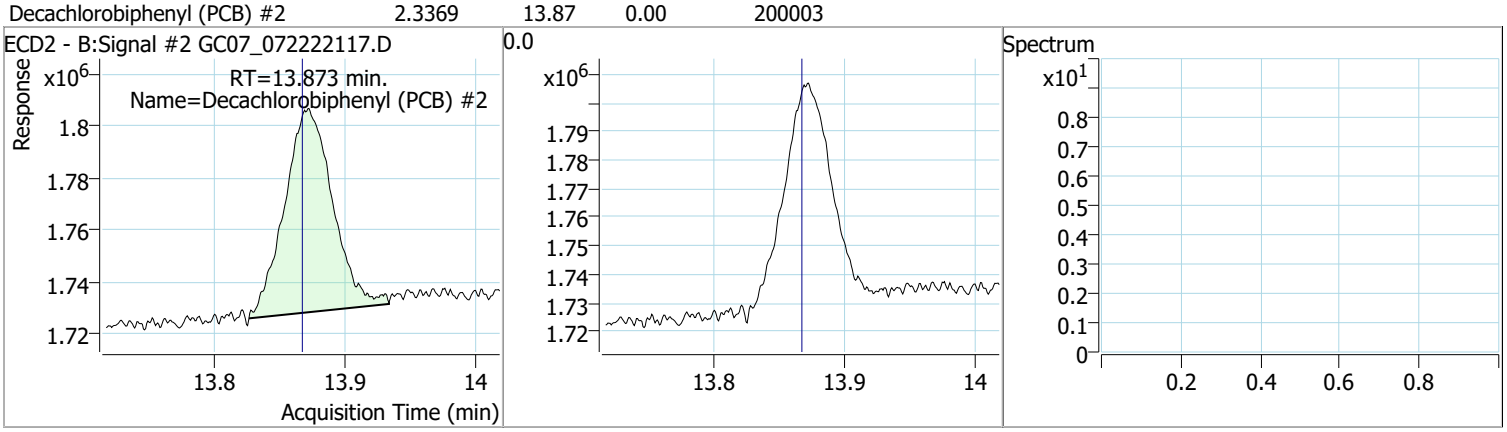
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	72.7540	12.18	0.00	389830				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	2.3089	12.60	0.00	451244				

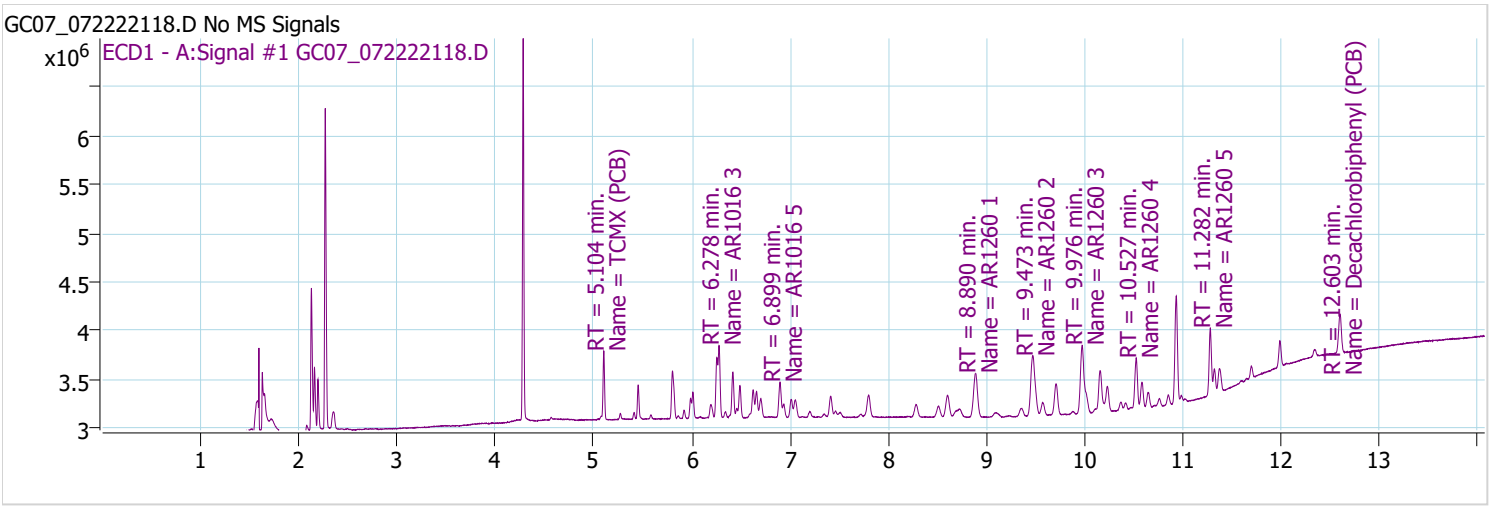


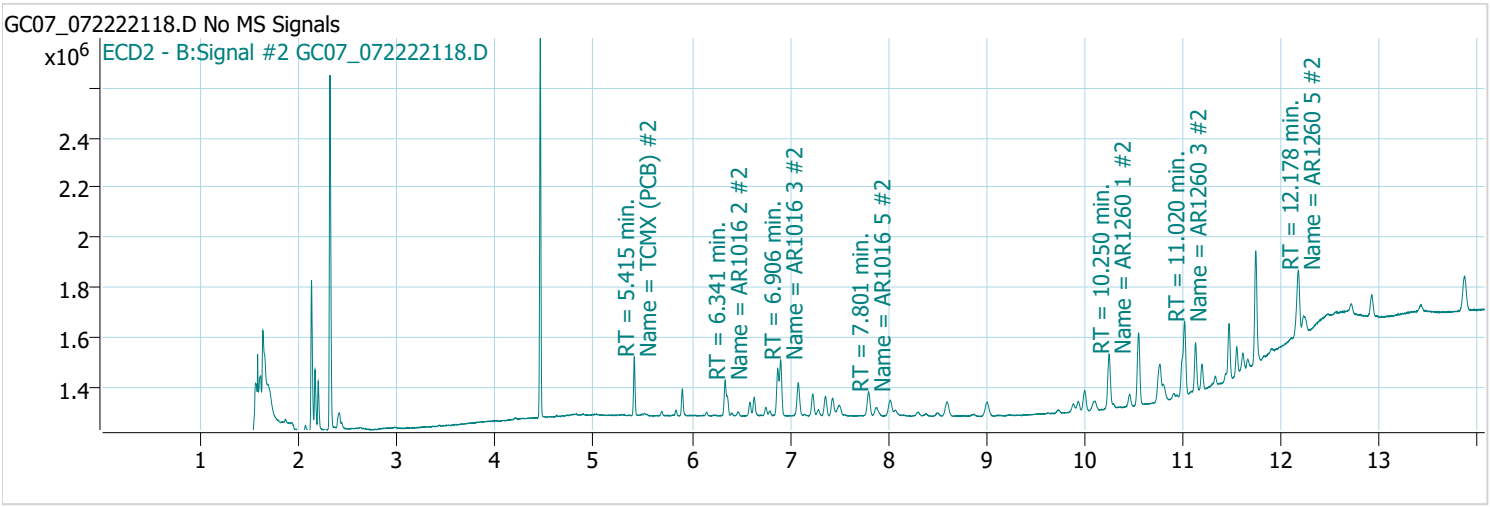
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.3369	13.87	0.00	200003				



Quantitation Results Report (Not Reviewed)

Data File	GC07_072222118.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/22/2022 8:25:42 PM
Sample Name	ICAL, S16726, 20	Instrument	SVOA-GC07
Vial	83	Multiplier	1.00
DA Method File	PCB_608_072222_GC07_1.m	Comment	100 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	072222PCBICAL.batch.bin	Last Calib Update	7/23/2022 5:05:17 PM
Ref Library			



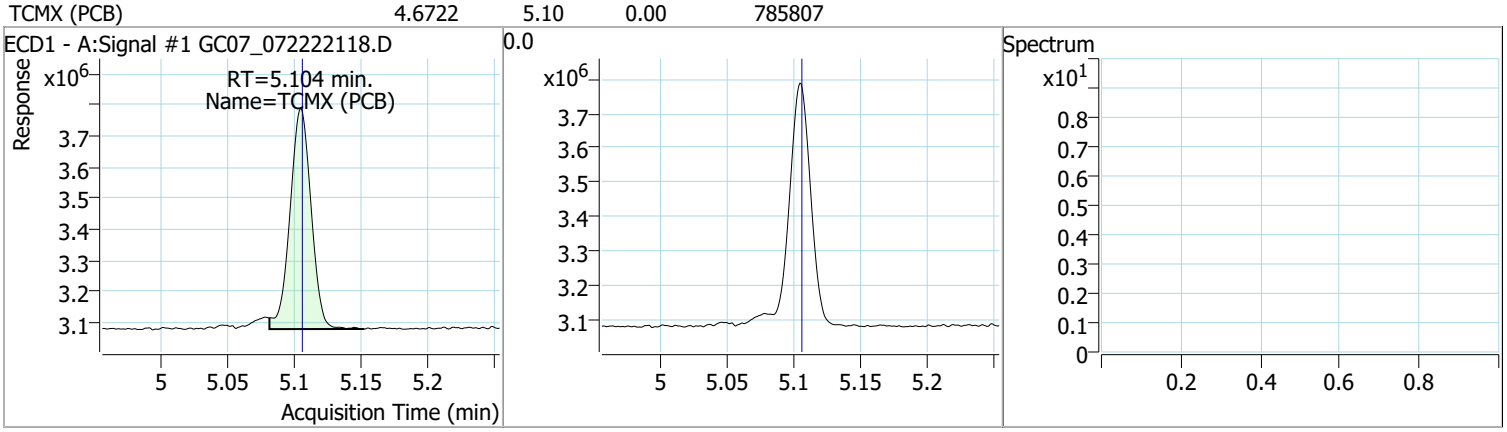


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	3736889.275	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.458	0.0	1331434.446	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.104	0.0	785807.217	4.6722	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 23.36%		*	
S TCMX (PCB) #2	5.415	0.0	245454.649	4.1503	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.75%		*	
S Decachlorobiphenyl (PCB)	12.603	0.0	833158.970	4.5945	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 22.97%		*	
S Decachlorobiphenyl (PCB) #2	13.873	0.0	361440.718	4.4883	ng/ml		0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 22.44%		*	
Target Compounds							QValue
T AR1016 1	5.454	0.0	419450.347	119.6730	ng/ml		100
T AR1016 2	5.804	0.0	864446.749	112.6766	ng/ml		100
T AR1016 1 #2	5.904	0.0	132826.880	107.2661	ng/ml		100

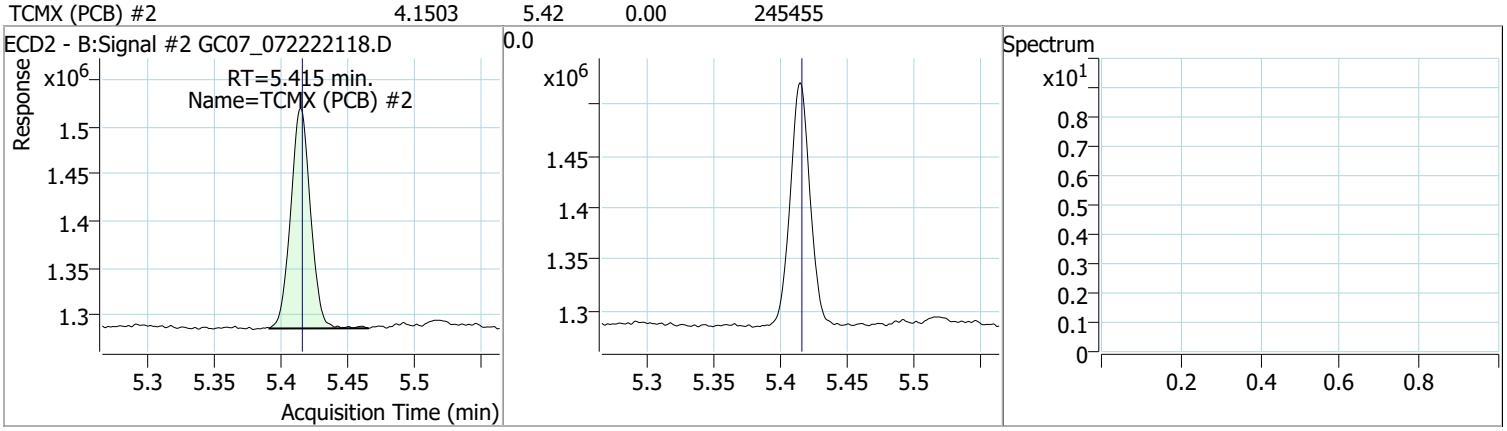
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 3	6.278	0.0	1025663.090	119.8406	ng/ml	100
T AR1016 2 #2	6.341	0.0	290451.338	107.6934	ng/ml	100
T AR1016 4	6.419	0.0	695998.439	118.1467	ng/ml	100
T AR1016 5	6.899	0.0	623089.015	123.9114	ng/ml	100
T AR1016 3 #2	6.906	0.0	360312.851	110.1683	ng/ml	100
T AR1016 4 #2	7.084	0.0	252187.902	106.9228	ng/ml	100
T AR1016 5 #2	7.801	0.0	202505.848	110.2955	ng/ml	100
T AR1260 1	8.890	0.0	1290073.054	116.7588	ng/ml	100
T AR1260 2	9.473	0.0	1954170.539	118.5556	ng/ml	100
T AR1260 3	9.976	0.0	1903588.379	119.1228	ng/ml	100
T AR1260 1 #2	10.250	0.0	452434.777	116.3374	ng/ml	100
T AR1260 4	10.527	0.0	950218.767	123.0813	ng/ml	100
T AR1260 2 #2	10.551	0.0	526401.602	114.3037	ng/ml	100
T AR1260 3 #2	11.020	0.0	688094.254	114.7546	ng/ml	100
T AR1260 5	11.282	0.0	1144359.251	119.0671	ng/ml	100
T AR1260 4 #2	11.473	0.0	369406.253	113.1237	ng/ml	100
T AR1260 5 #2	12.178	0.0	588013.144	116.6310	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

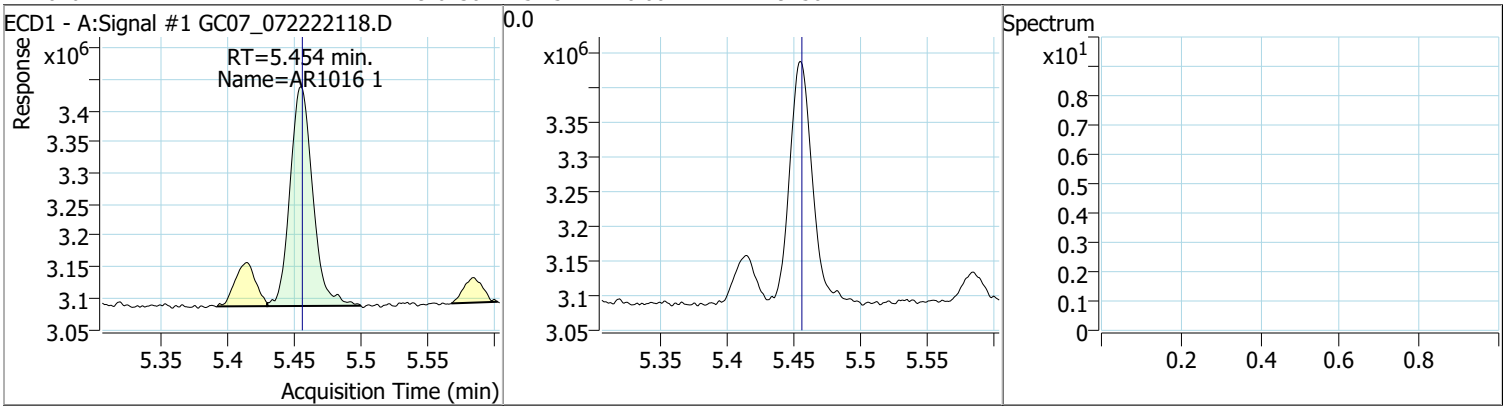
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	4.6722	5.10	0.00	785807				



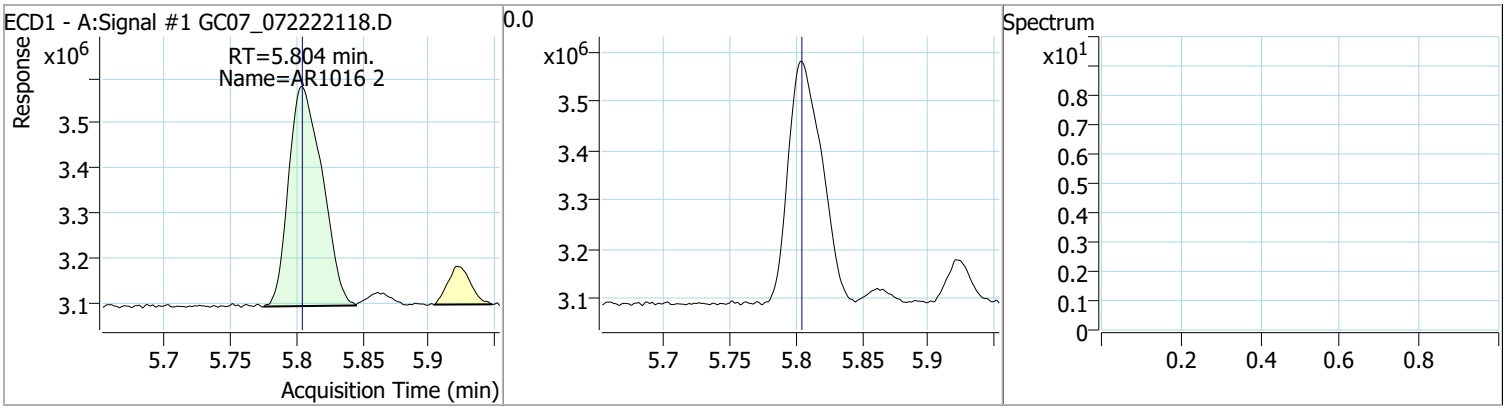
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.1503	5.42	0.00	245455				



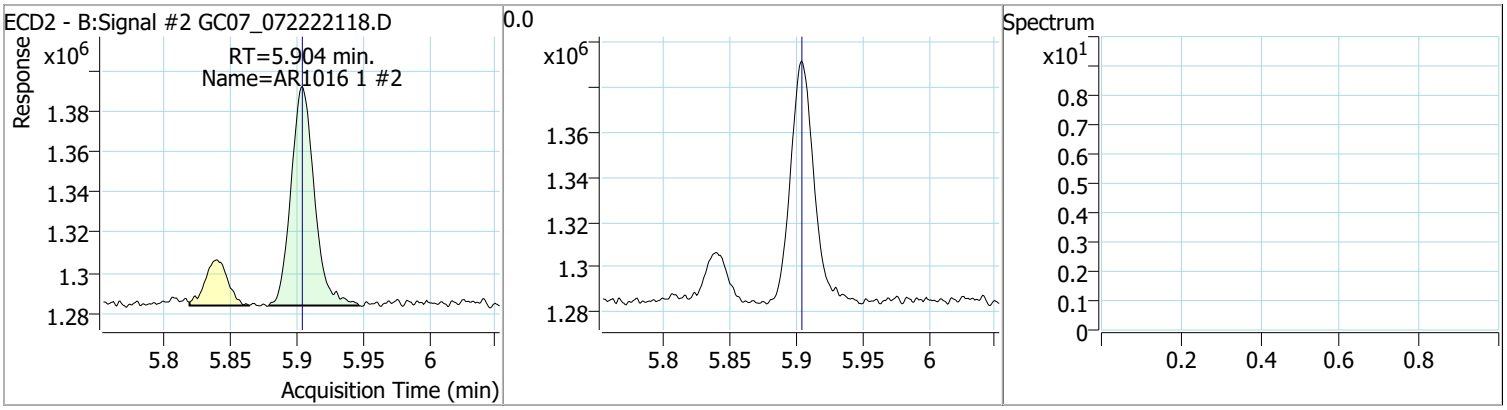
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	119.6730	5.45	0.00	419450				



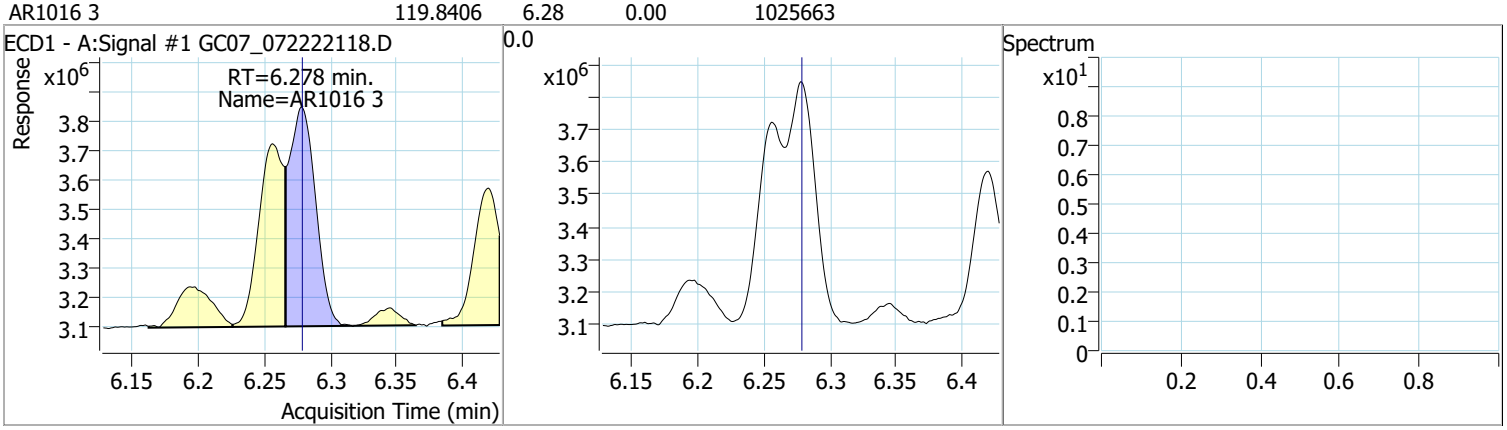
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	112.6766	5.80	0.00	864447				



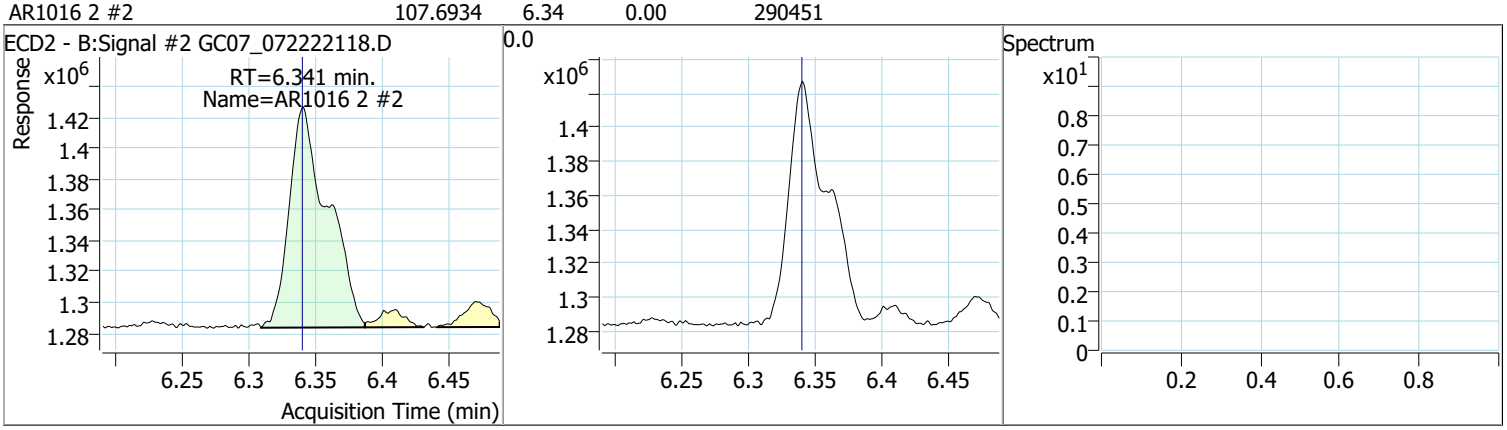
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	107.2661	5.90	0.00	132827				



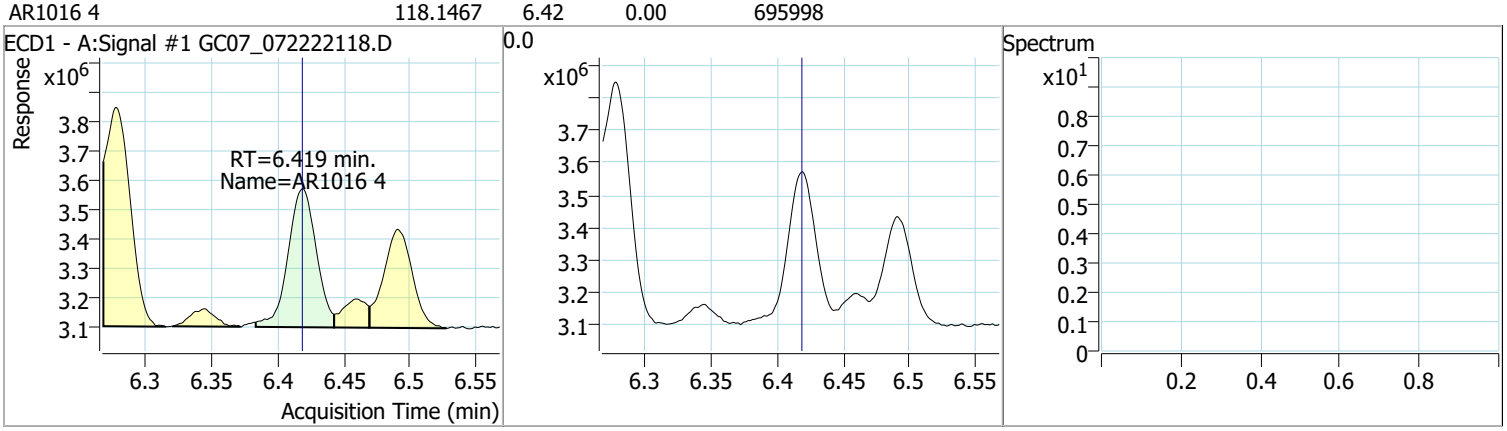
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	119.8406	6.28	0.00	1025663				



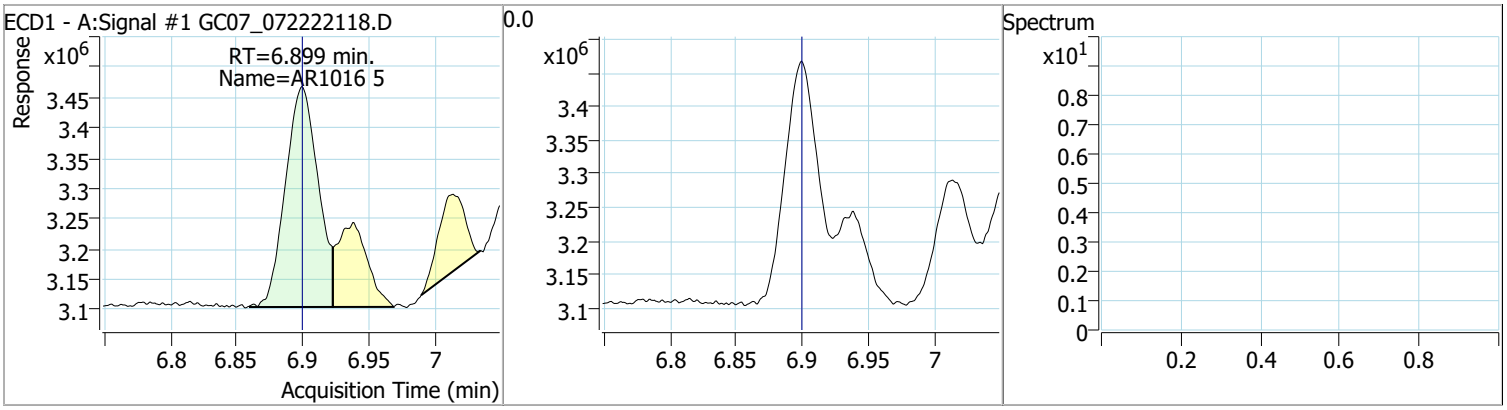
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	107.6934	6.34	0.00	290451				



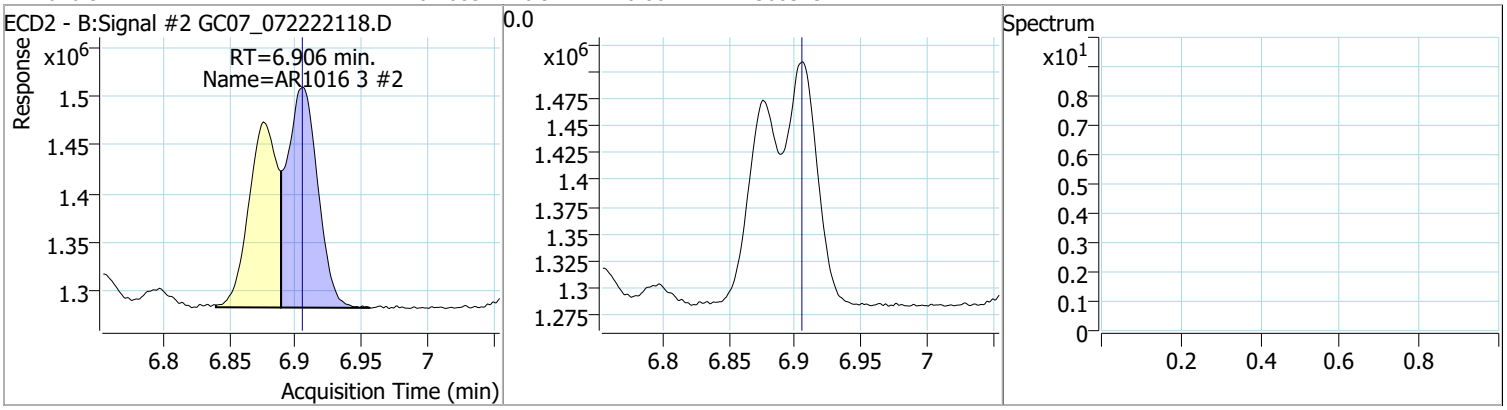
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	118.1467	6.42	0.00	695998				



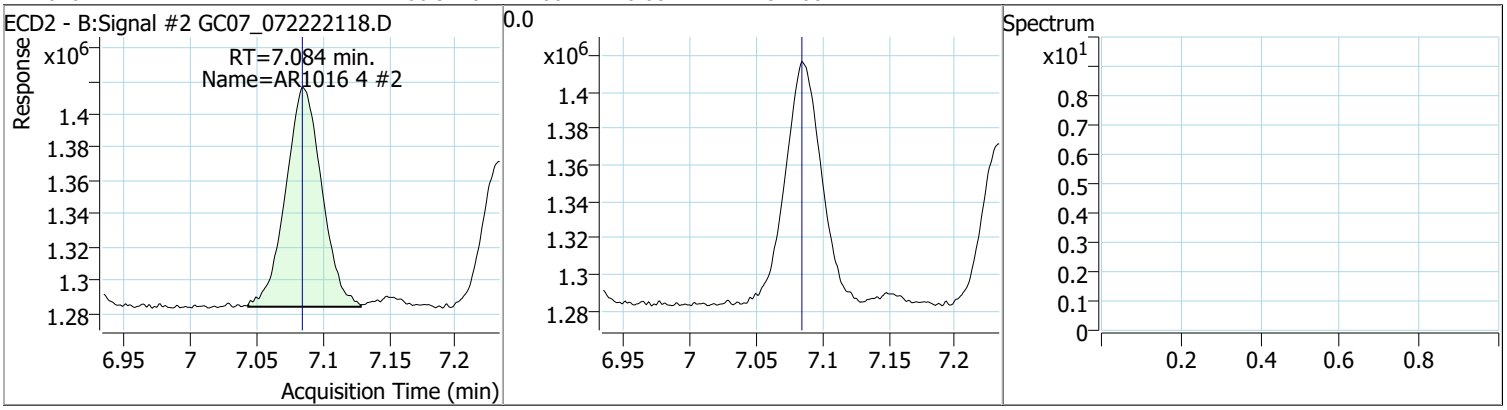
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	123.9114	6.90	0.00	623089				



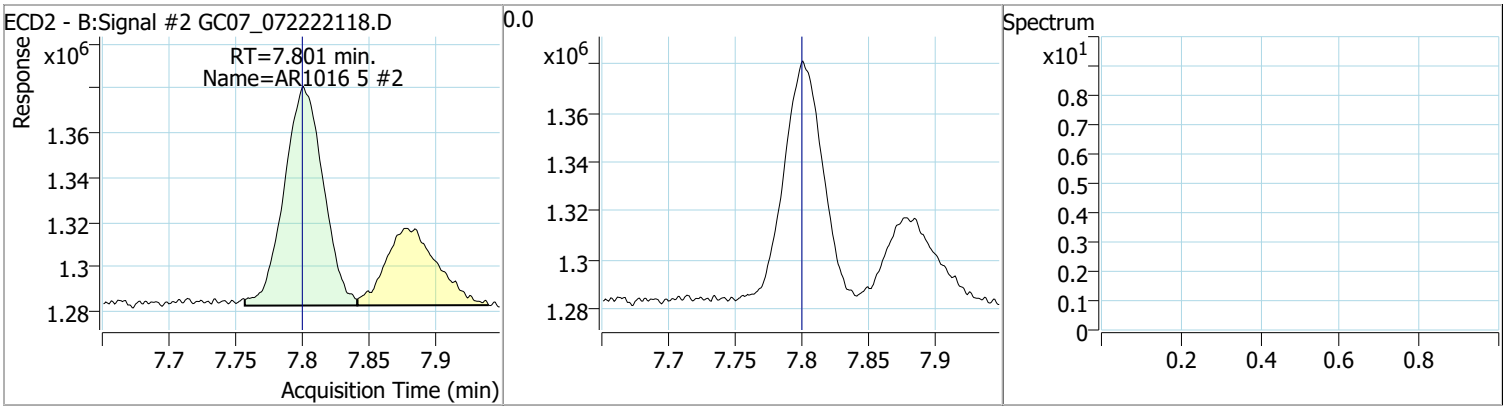
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	110.1683	6.91	0.00	360313				



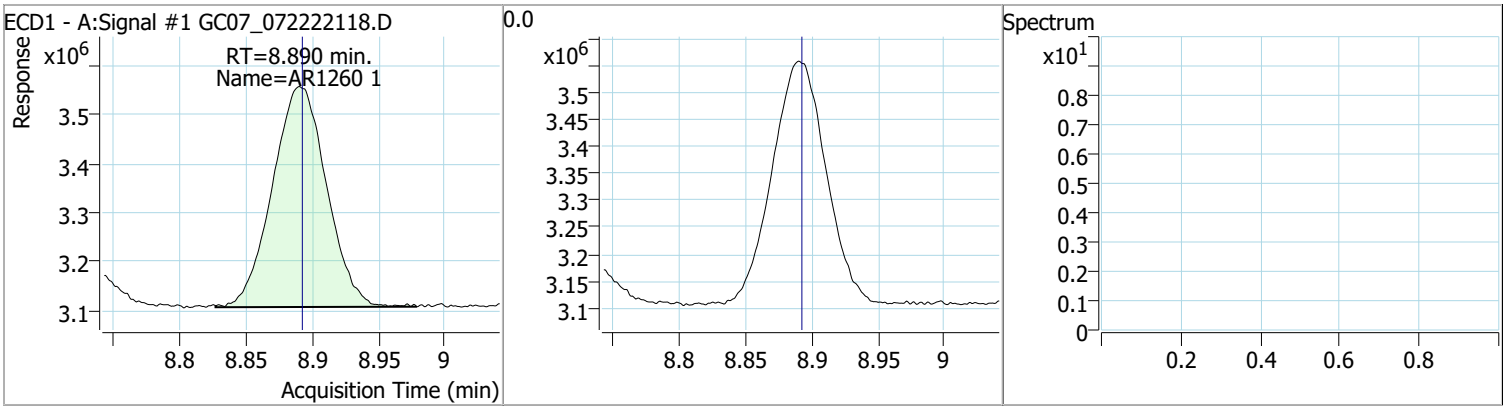
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	106.9228	7.08	0.00	252188				



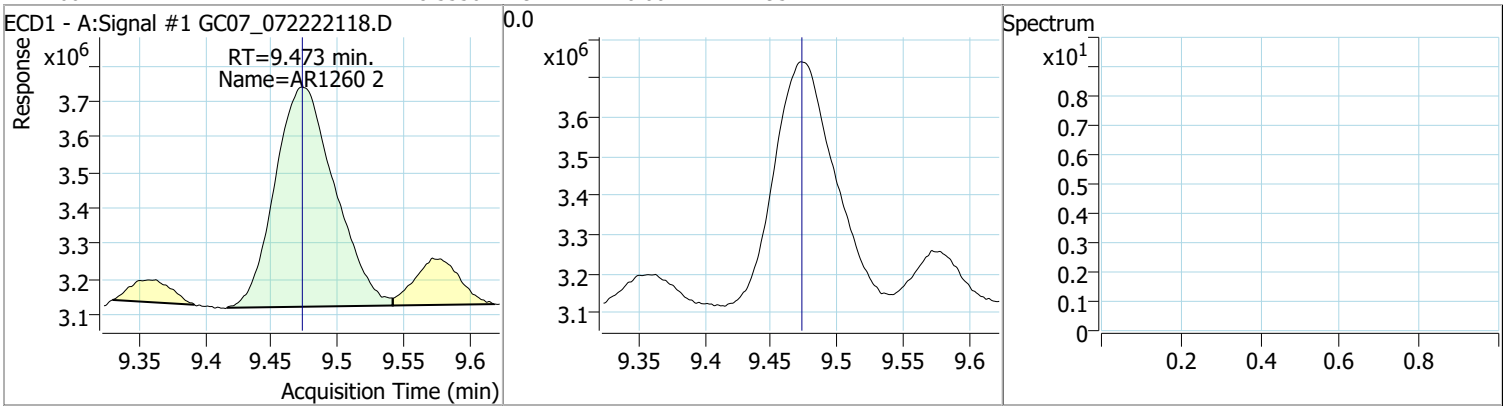
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	110.2955	7.80	0.00	202506				



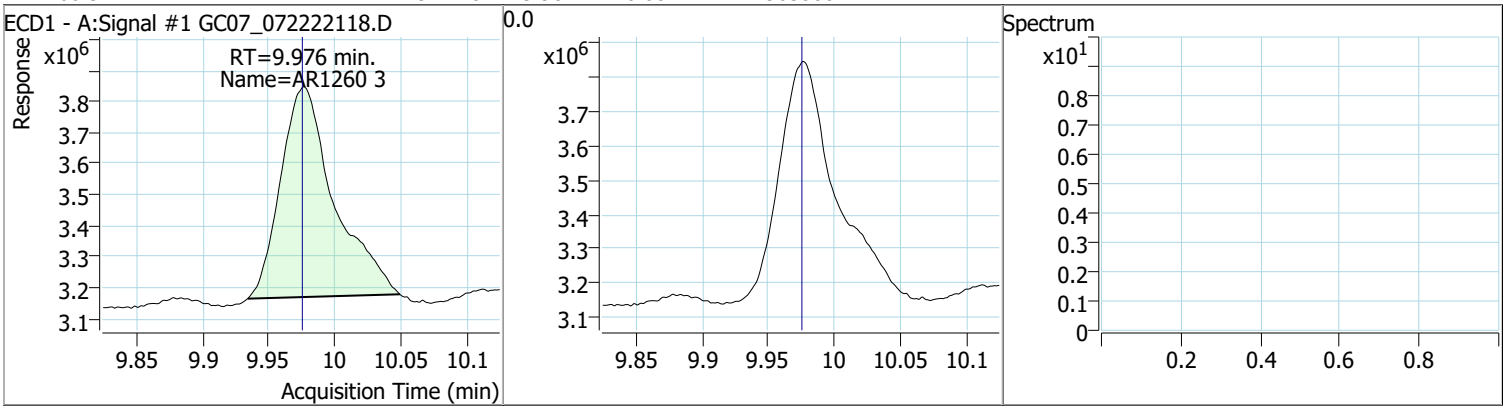
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	116.7588	8.89	0.00	1290073				



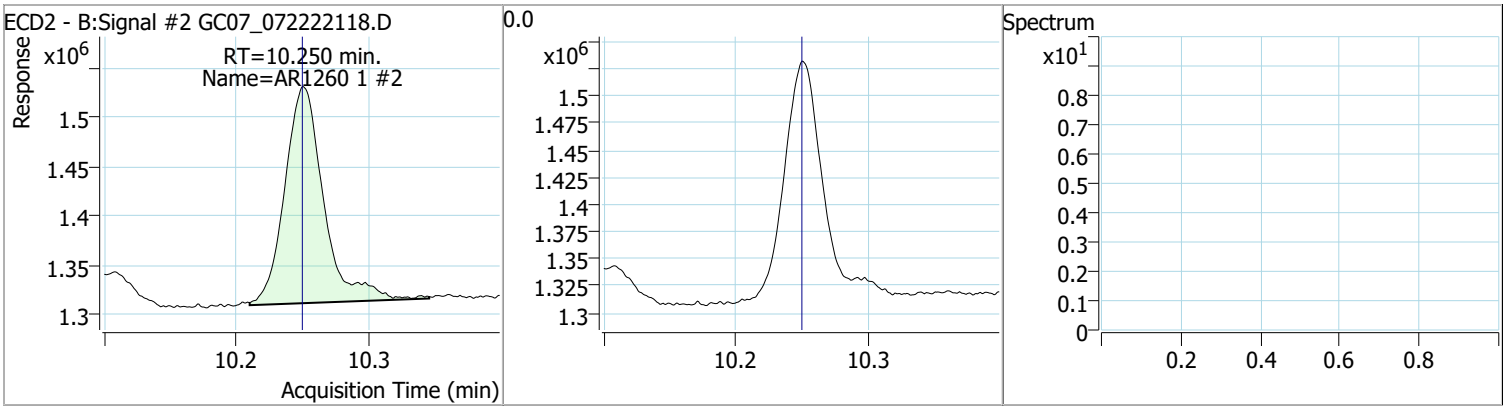
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	118.5556	9.47	0.00	1954171				



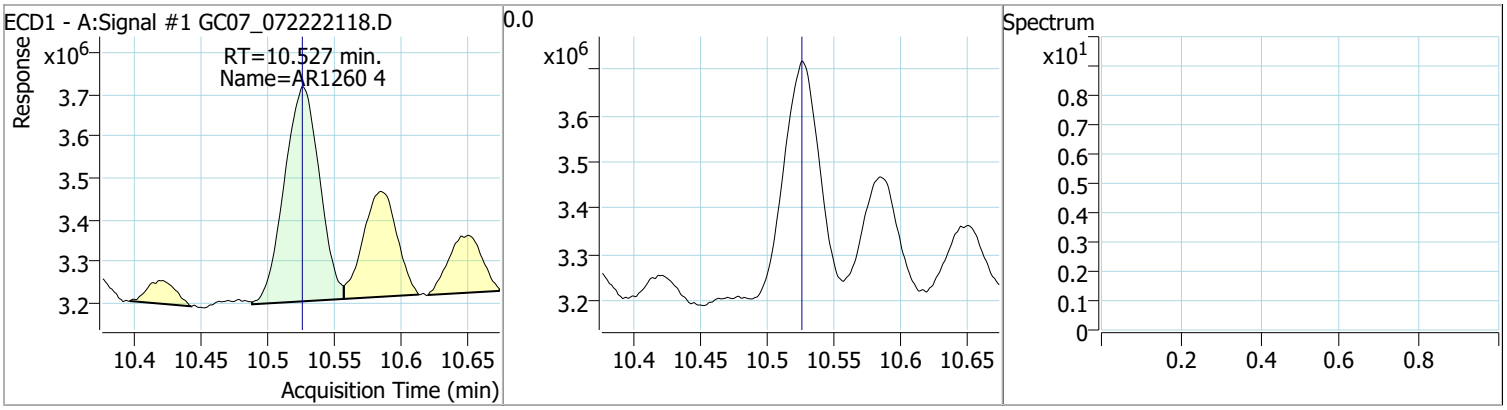
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	119.1228	9.98	0.00	1903588				



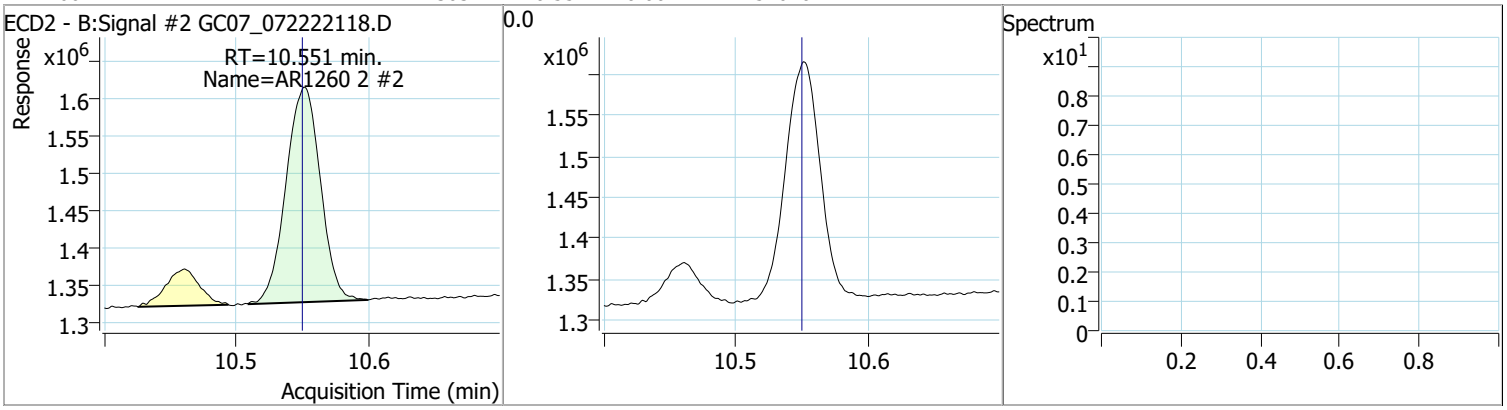
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	116.3374	10.25	0.00	452435				



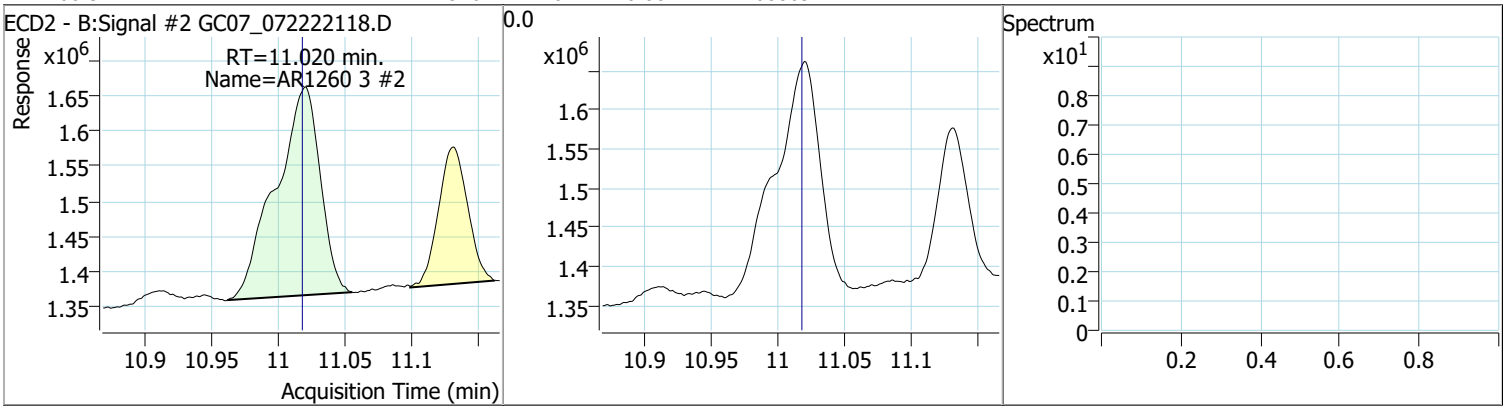
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	123.0813	10.53	0.00	950219				



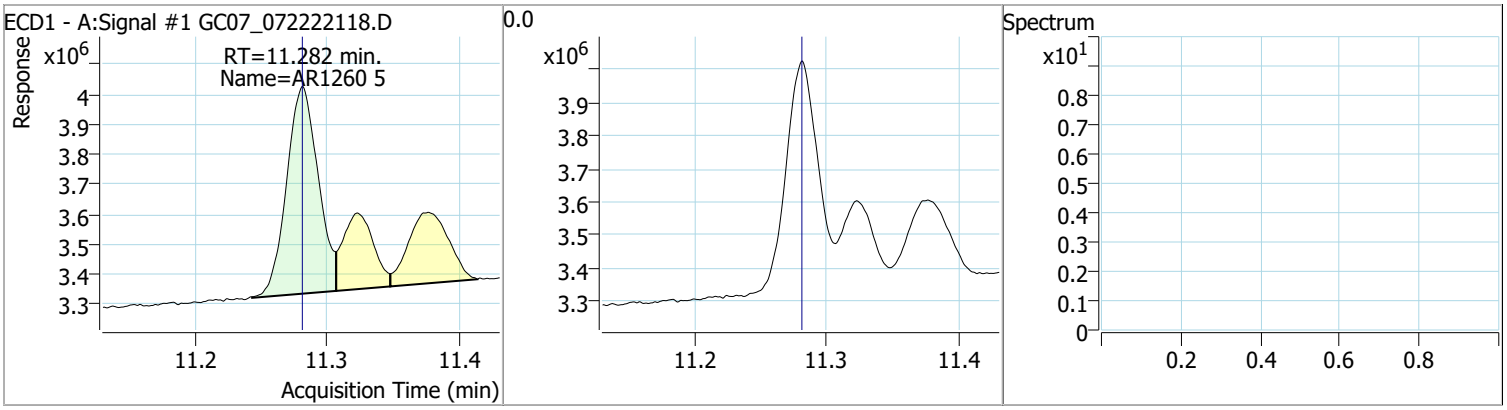
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	114.3037	10.55	0.00	526402				



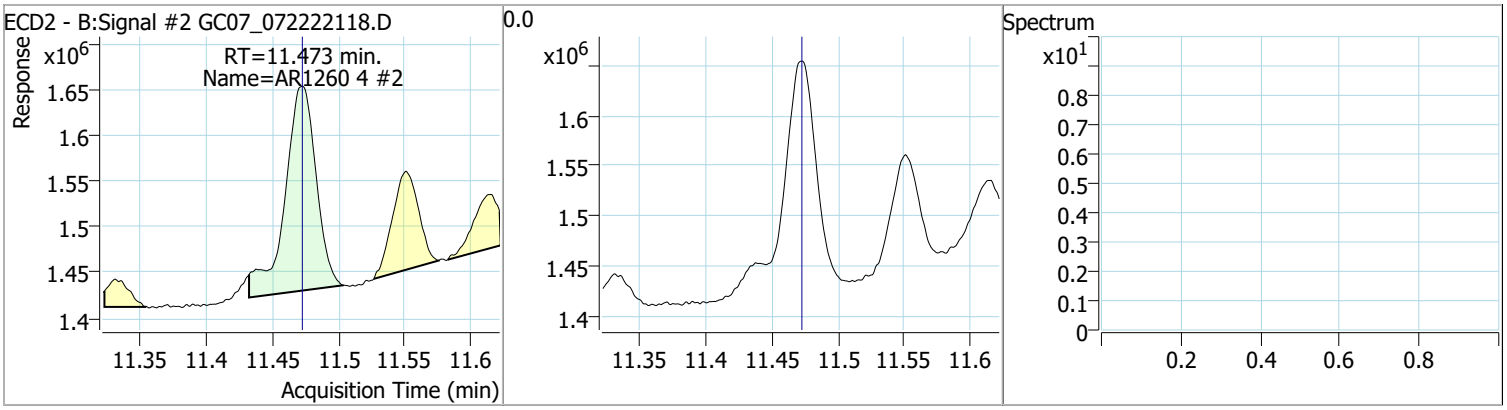
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	114.7546	11.02	0.00	688094				



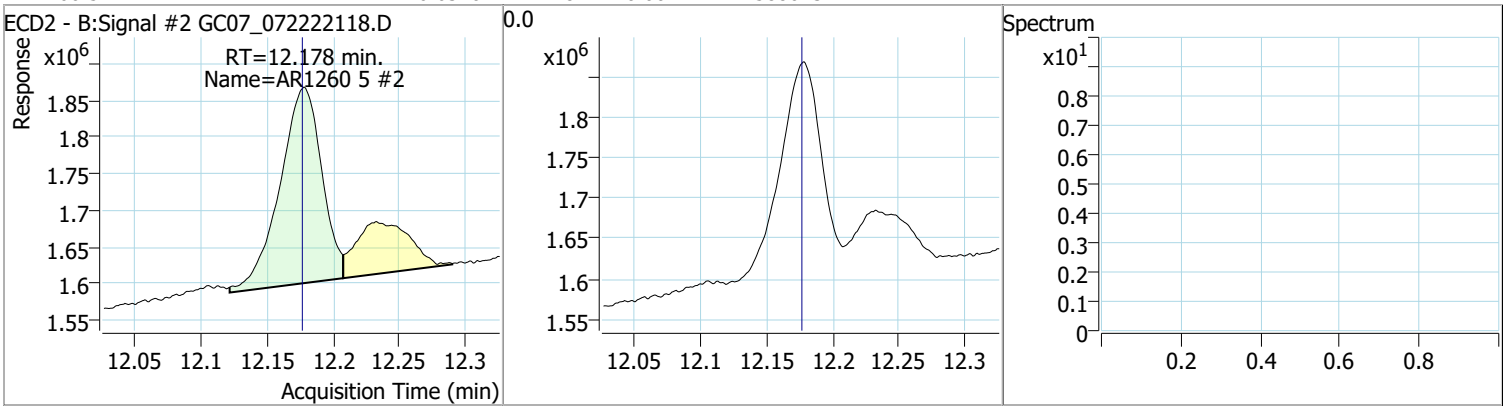
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	119.0671	11.28	0.00	1144359				



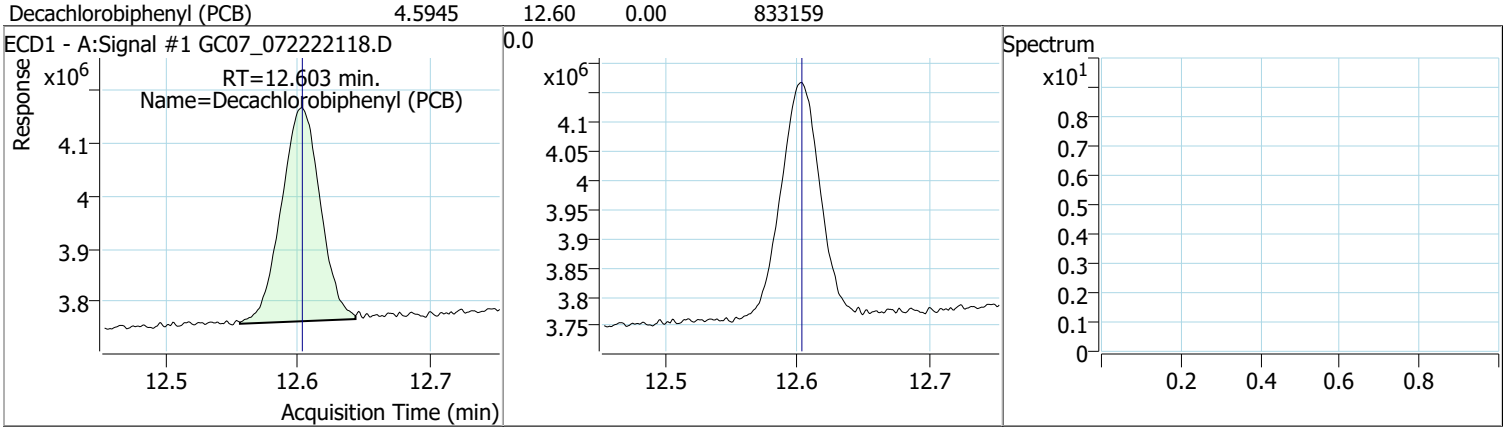
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	113.1237	11.47	0.00	369406				



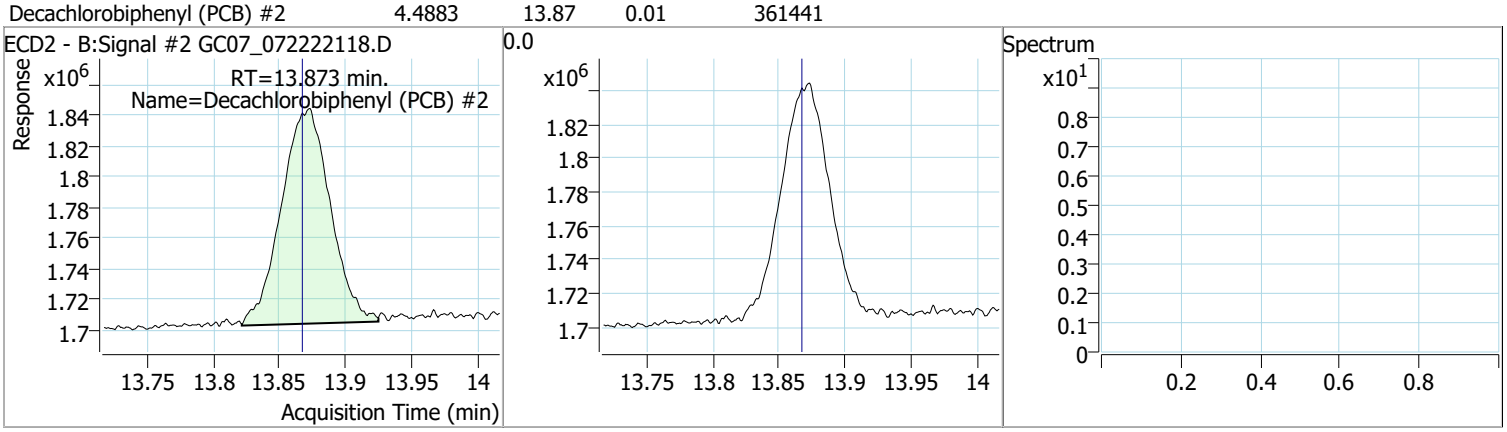
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	116.6310	12.18	0.00	588013				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	4.5945	12.60	0.00	833159				

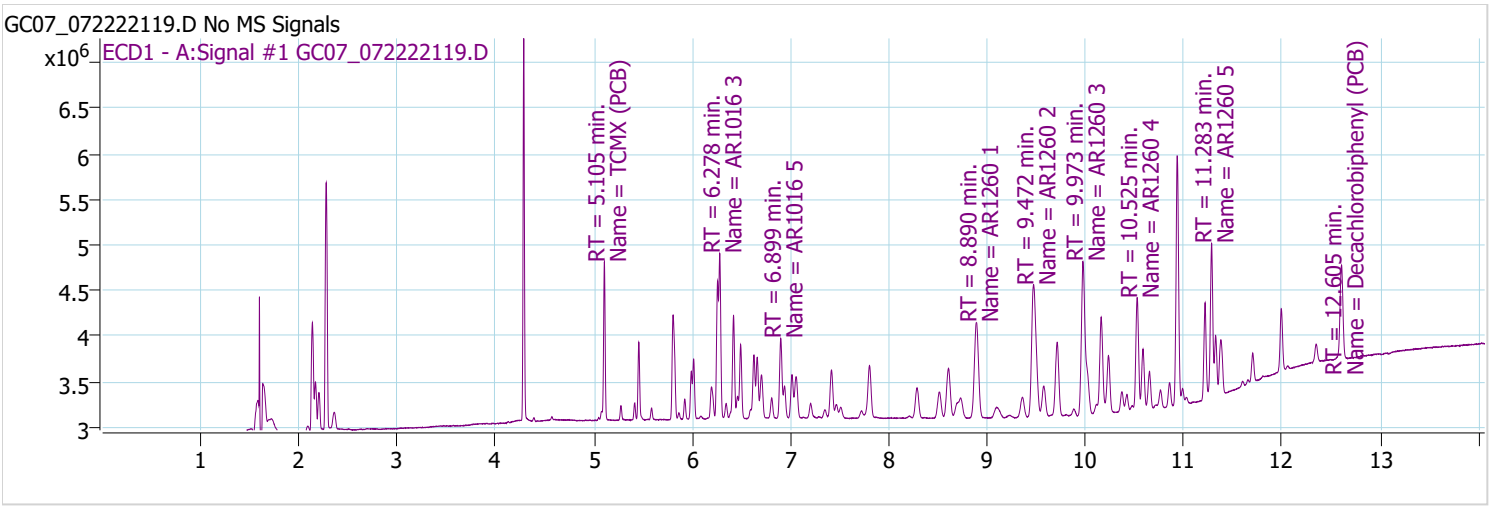


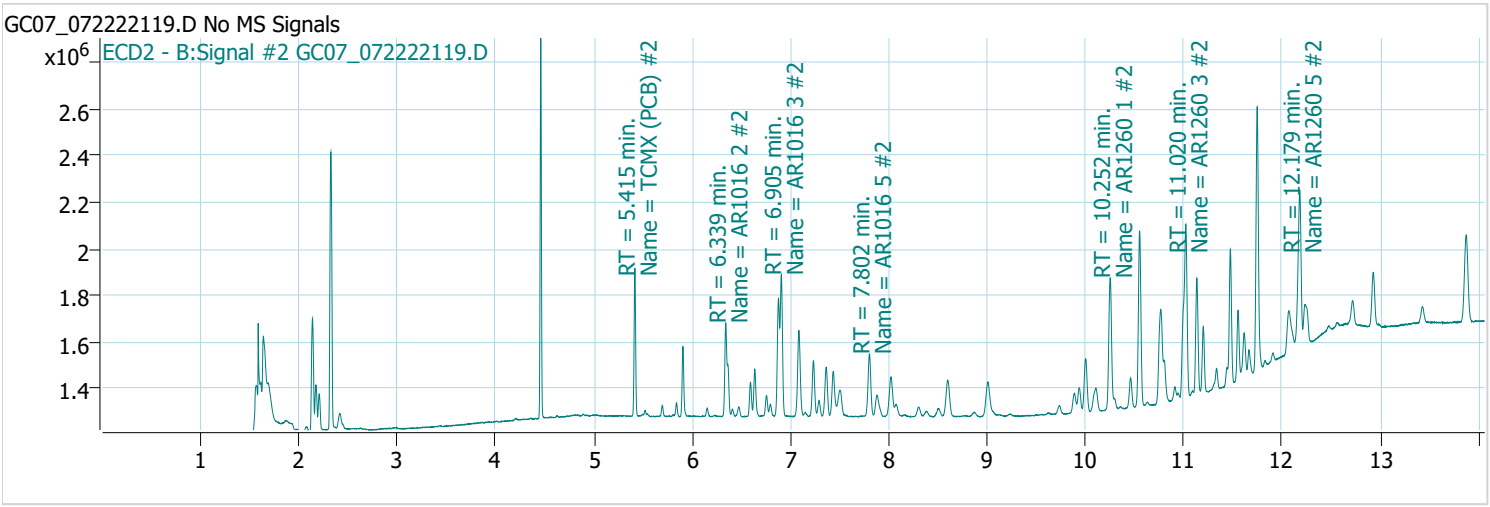
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	4.4883	13.87	0.01	361441				



Quantitation Results Report (Not Reviewed)

Data File	GC07_072222119.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/22/2022 8:43:13 PM
Sample Name	ICAL, S16726, 8	Instrument	SVOA-GC07
Vial	84	Multiplier	1.00
DA Method File	PCB_608_072222_GC07_1.m	Comment	250 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	072222PCBICAL.batch.bin	Last Calib Update	7/23/2022 5:05:17 PM
Ref Library			



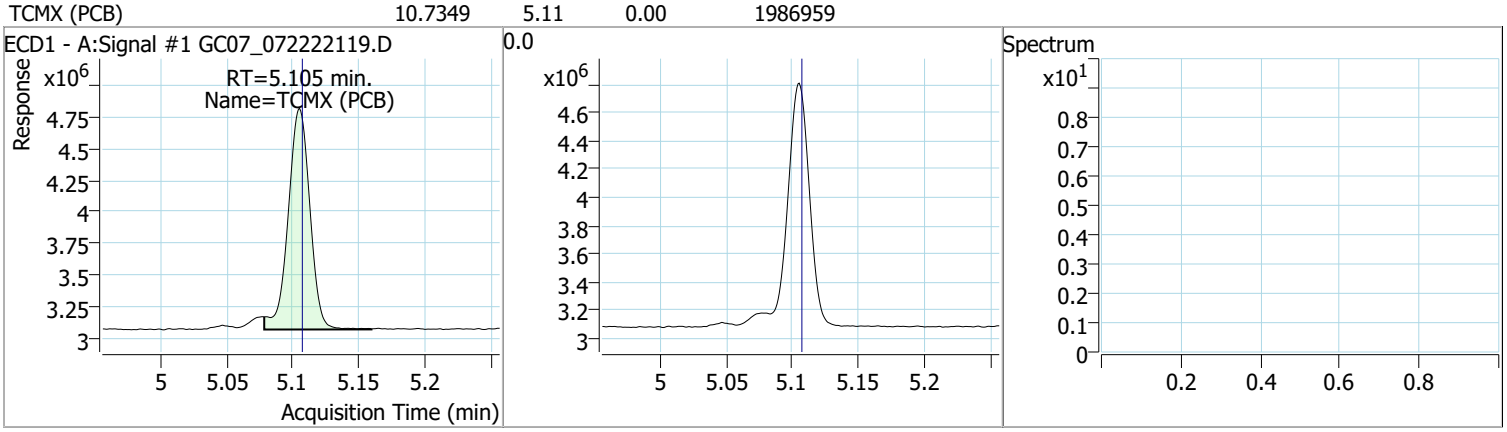


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.285	0.0	4112511.478	20.0000	ng/ml	0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.458	0.0	1435876.094	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.105	0.0	1986959.390	10.7349	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 53.67%		
S TCMX (PCB) #2	5.415	0.0	686569.737	10.7646	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 53.82%		
S Decachlorobiphenyl (PCB)	12.605	0.0	2167832.236	10.8628	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 54.31%		
S Decachlorobiphenyl (PCB) #2	13.873	0.0	918009.264	10.5706	ng/ml	0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 52.85%		
Target Compounds						QValue
T AR1016 1	5.455	0.0	1052606.033	272.8880	ng/ml	100

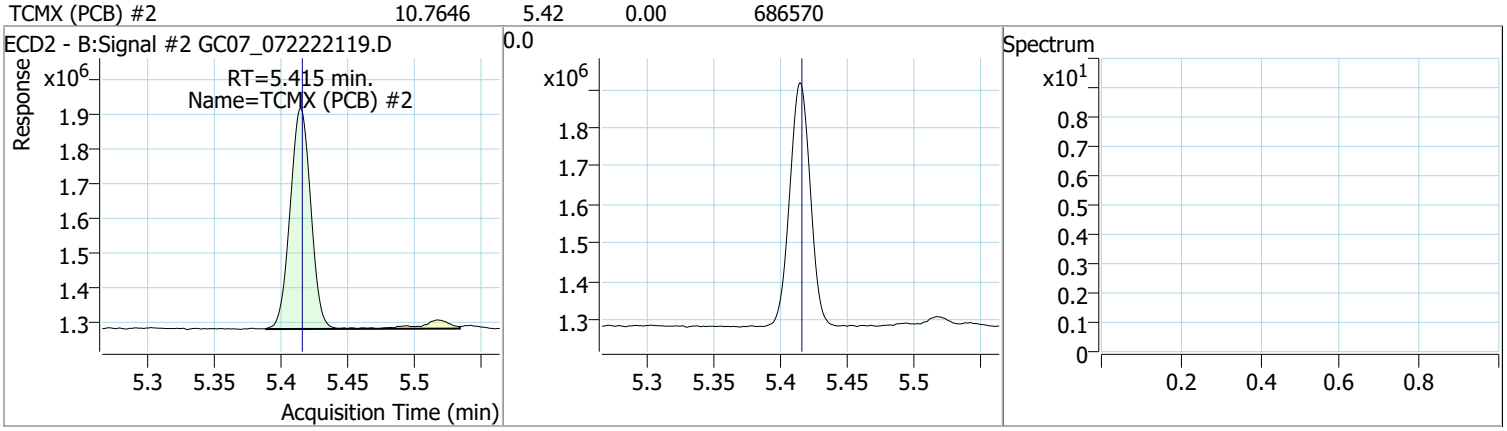
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.804	0.0	2123231.032	292.9216	ng/ml		100
T AR1016 1 #2	5.903	0.0	366379.677	274.3537	ng/ml		100
T AR1016 3	6.278	0.0	2505608.765	266.0208	ng/ml		100
T AR1016 2 #2	6.339	0.0	801856.990	275.6865	ng/ml		100
T AR1016 4	6.419	0.0	1696868.603	261.7367	ng/ml		100
T AR1016 5	6.899	0.0	1550649.325	280.2063	ng/ml		100
T AR1016 3 #2	6.905	0.0	967363.351	274.2643	ng/ml		100
T AR1016 4 #2	7.083	0.0	694311.962	272.9628	ng/ml		100
T AR1016 5 #2	7.802	0.0	538509.909	271.9674	ng/ml		100
T AR1260 1	8.890	0.0	3109464.843	302.9093	ng/ml		100
T AR1260 2	9.472	0.0	4694449.807	258.7900	ng/ml		100
T AR1260 3	9.973	0.0	4508136.696	256.3433	ng/ml		100
T AR1260 1 #2	10.252	0.0	1197312.469	285.4786	ng/ml	m	100
T AR1260 4	10.525	0.0	2315968.389	272.5864	ng/ml		100
T AR1260 2 #2	10.550	0.0	1357571.896	273.3434	ng/ml		100
T AR1260 3 #2	11.020	0.0	1811291.136	280.1002	ng/ml		100
T AR1260 5	11.283	0.0	2950506.222	278.9516	ng/ml		100
T AR1260 4 #2	11.473	0.0	1015628.266	288.3944	ng/ml	m	100
T AR1260 5 #2	12.179	0.0	1484373.441	273.0066	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

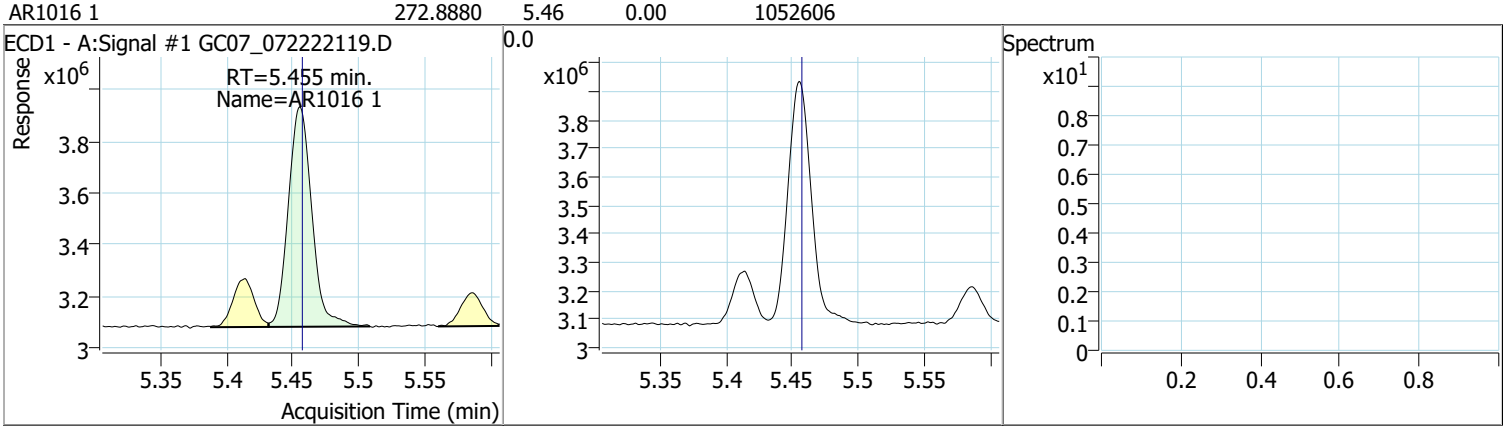
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	10.7349	5.11	0.00	1986959				



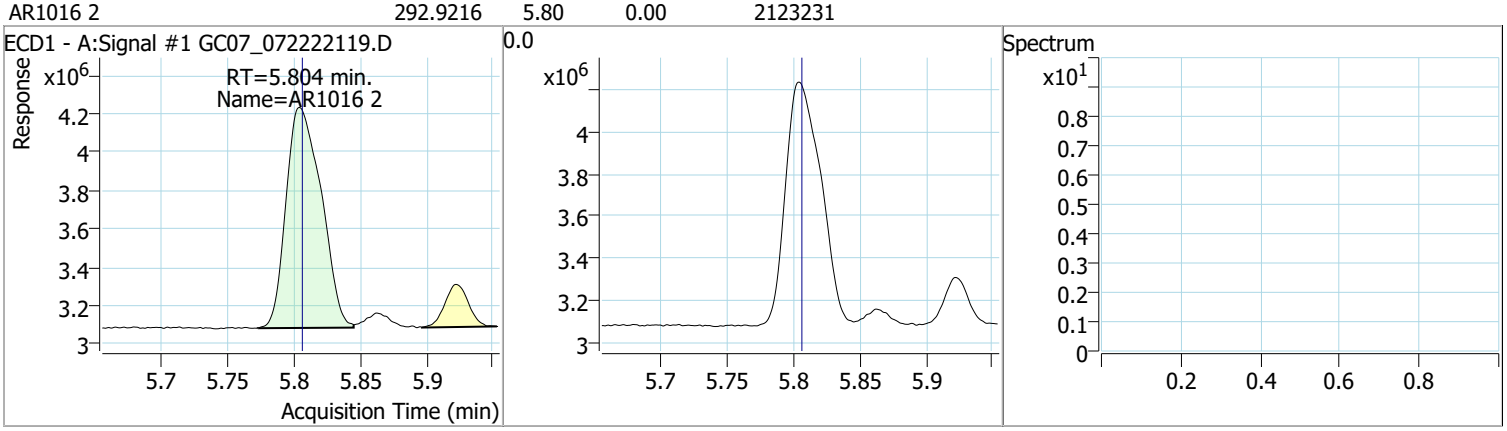
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	10.7646	5.42	0.00	686570				



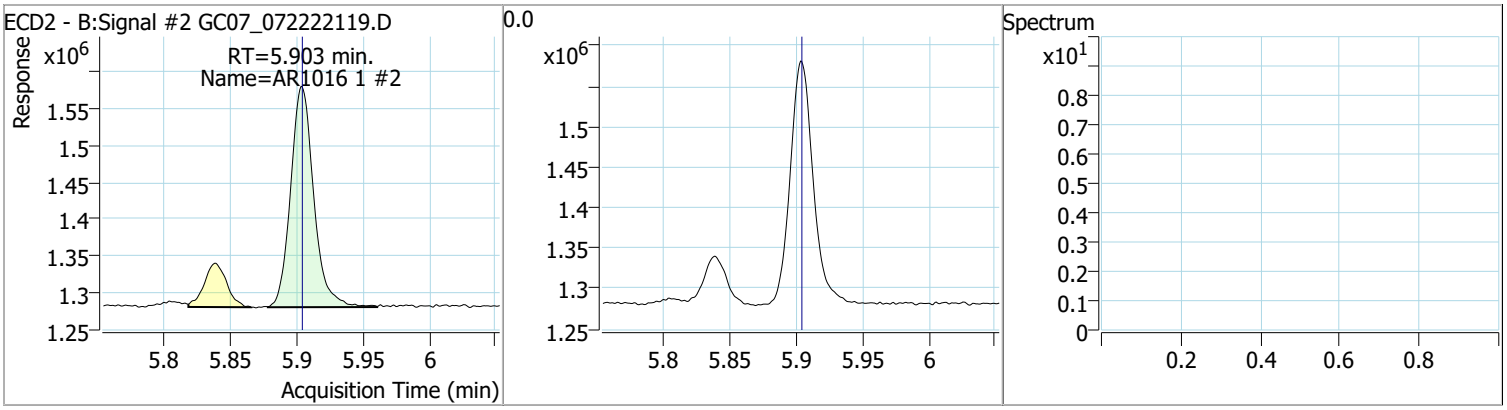
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	272.8880	5.46	0.00	1052606				



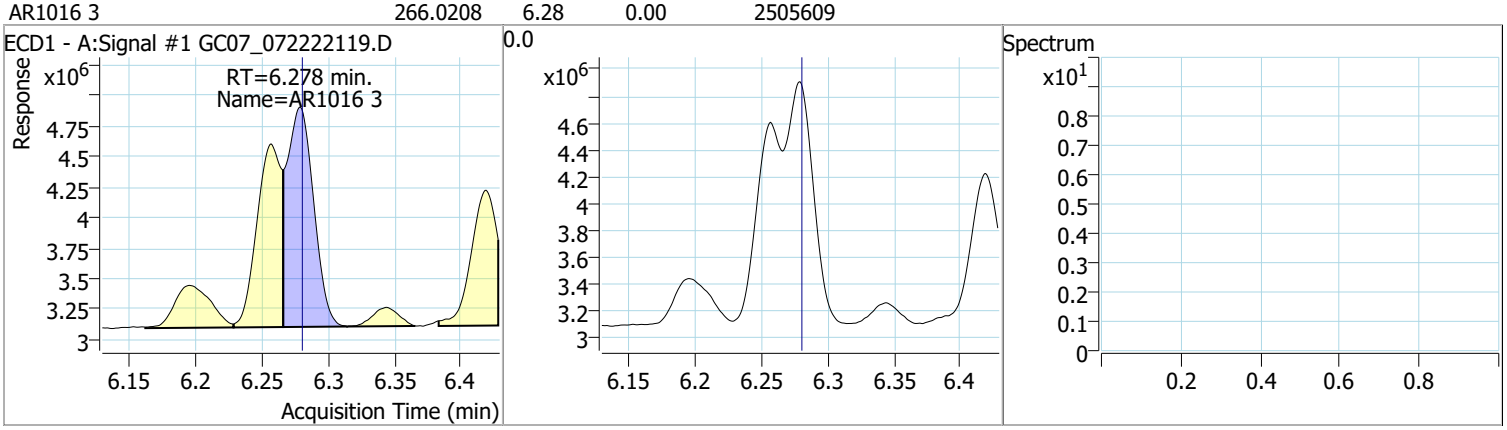
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	292.9216	5.80	0.00	2123231				



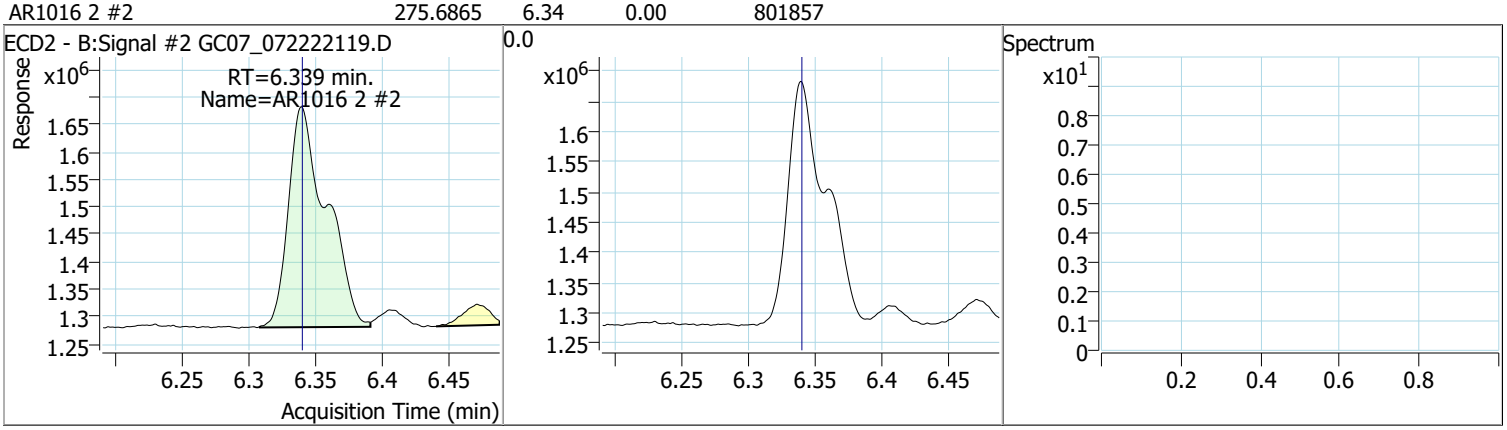
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	274.3537	5.90	0.00	366380				



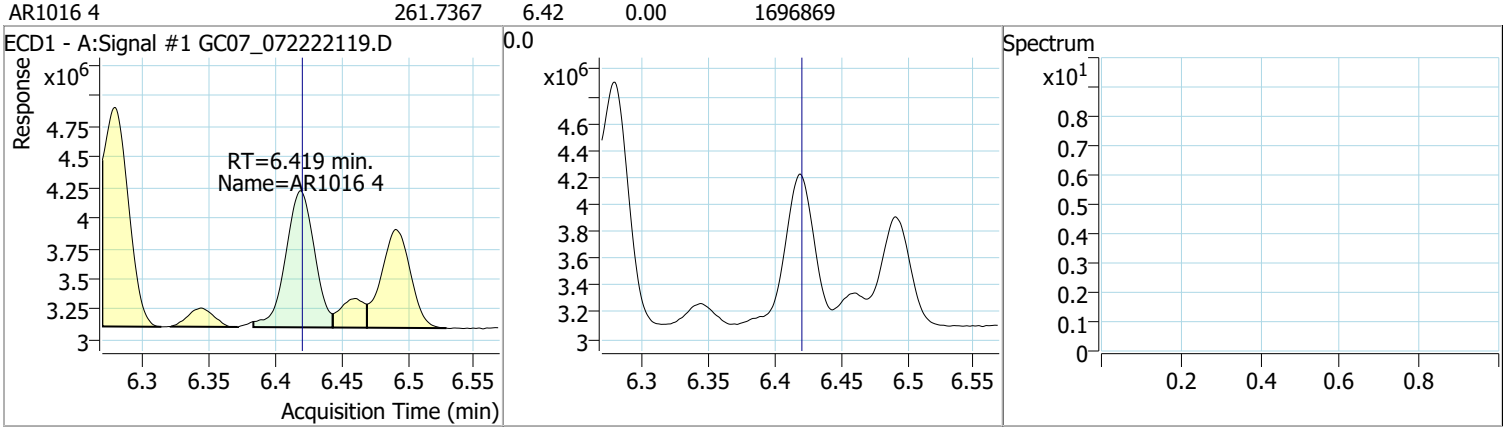
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	266.0208	6.28	0.00	2505609				



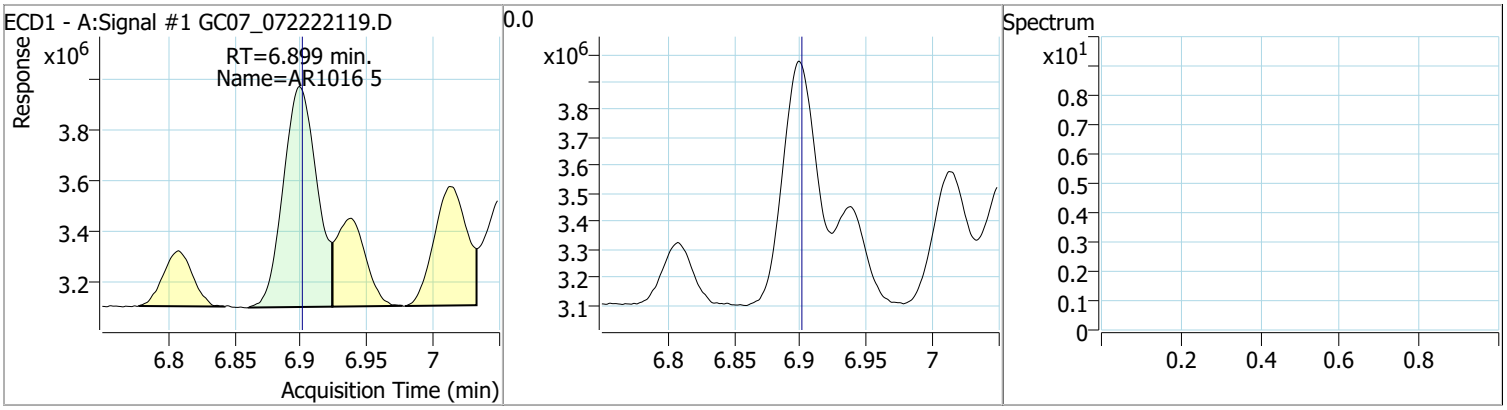
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	275.6865	6.34	0.00	801857				



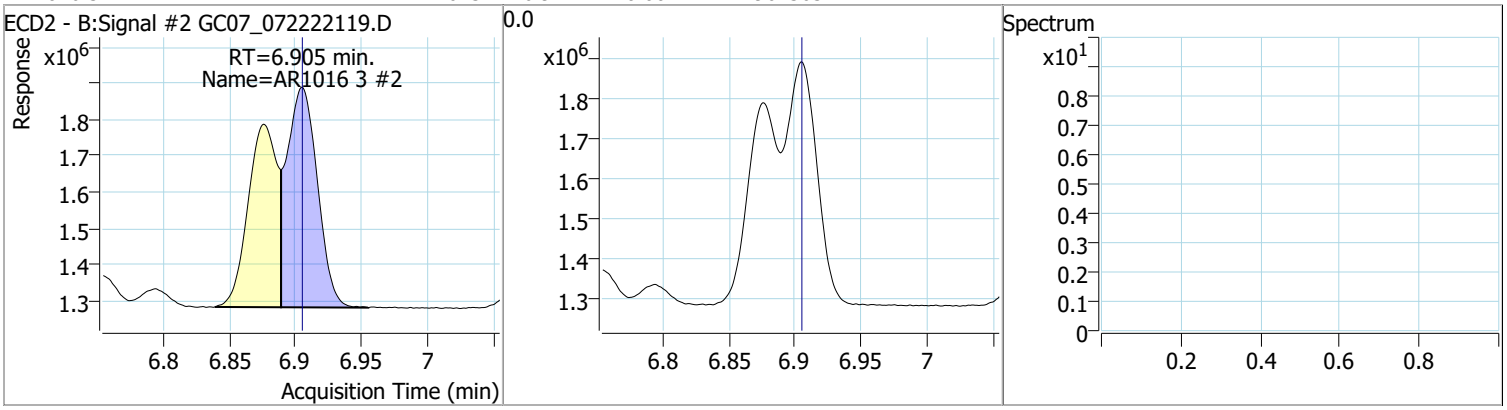
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	261.7367	6.42	0.00	1696869				



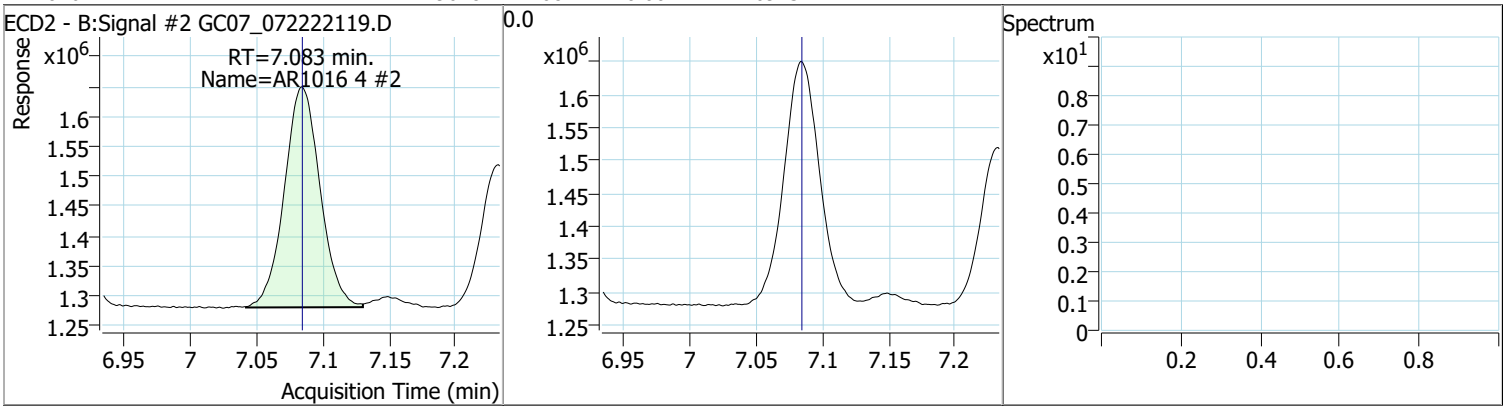
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	280.2063	6.90	0.00	1550649				



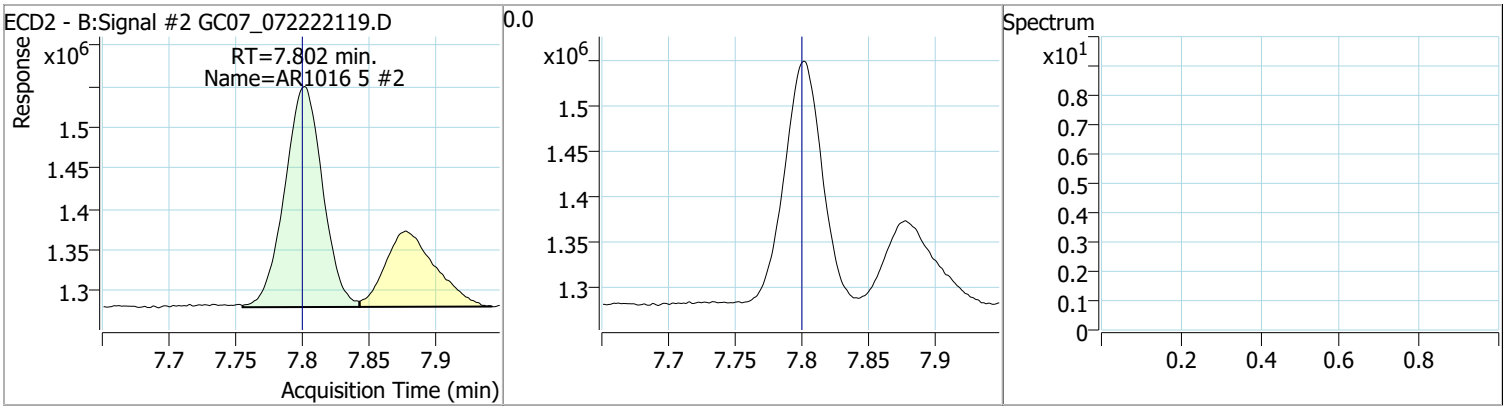
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	274.2643	6.91	0.00	967363				



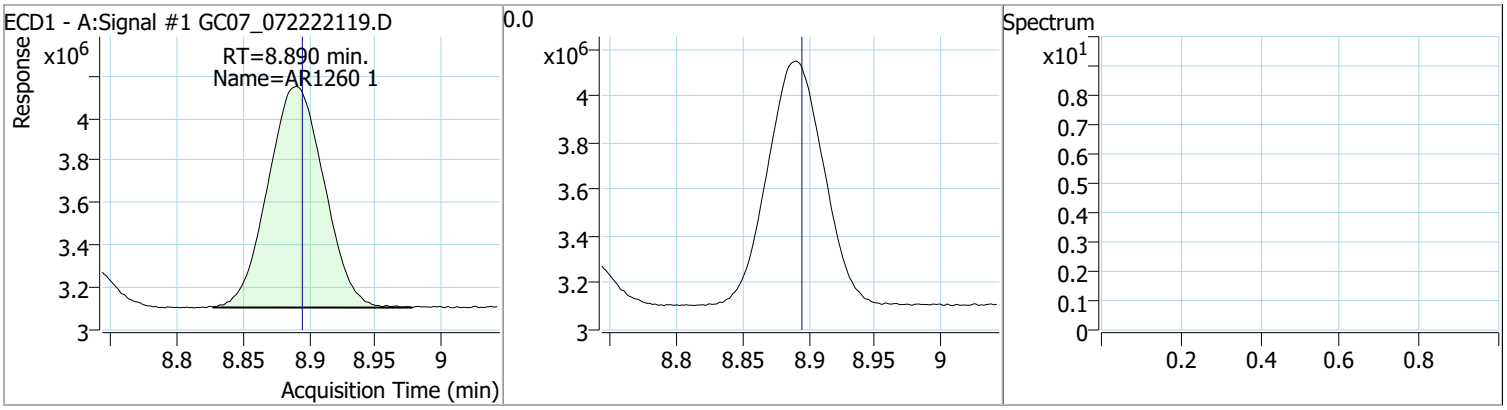
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	272.9628	7.08	0.00	694312				



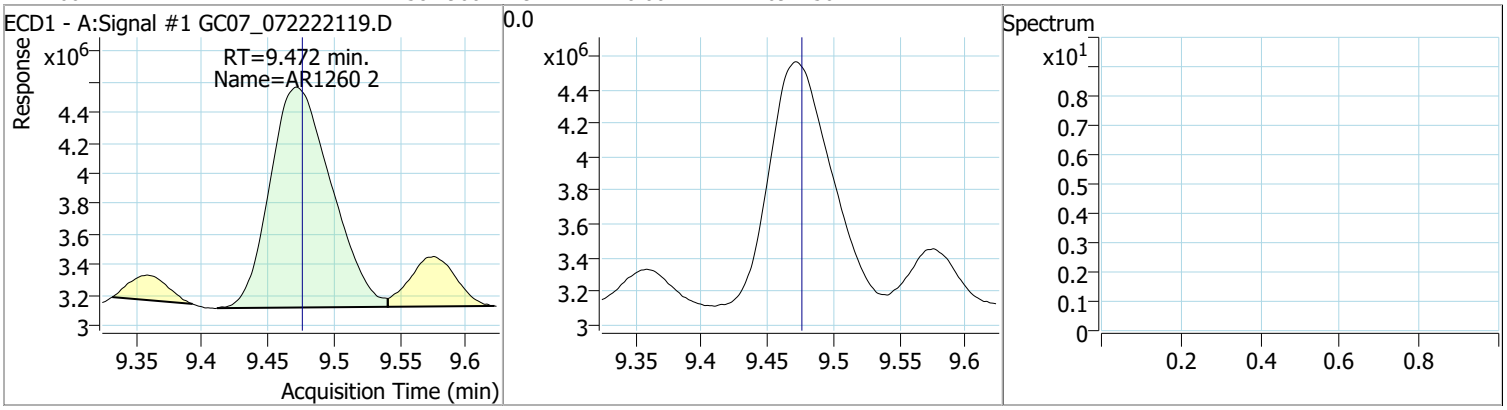
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	271.9674	7.80	0.00	538510				



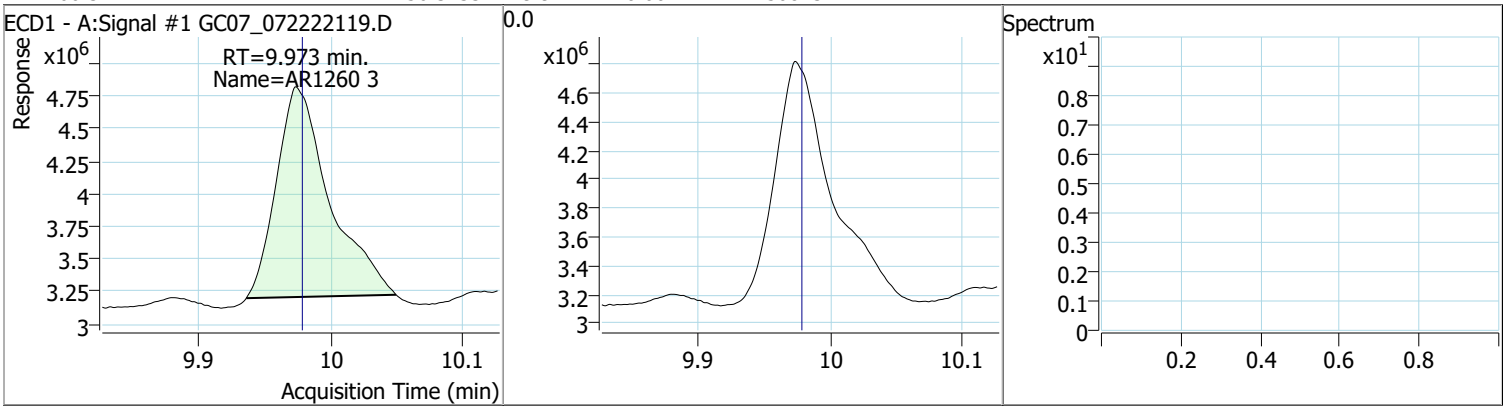
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	302.9093	8.89	0.00	3109465				



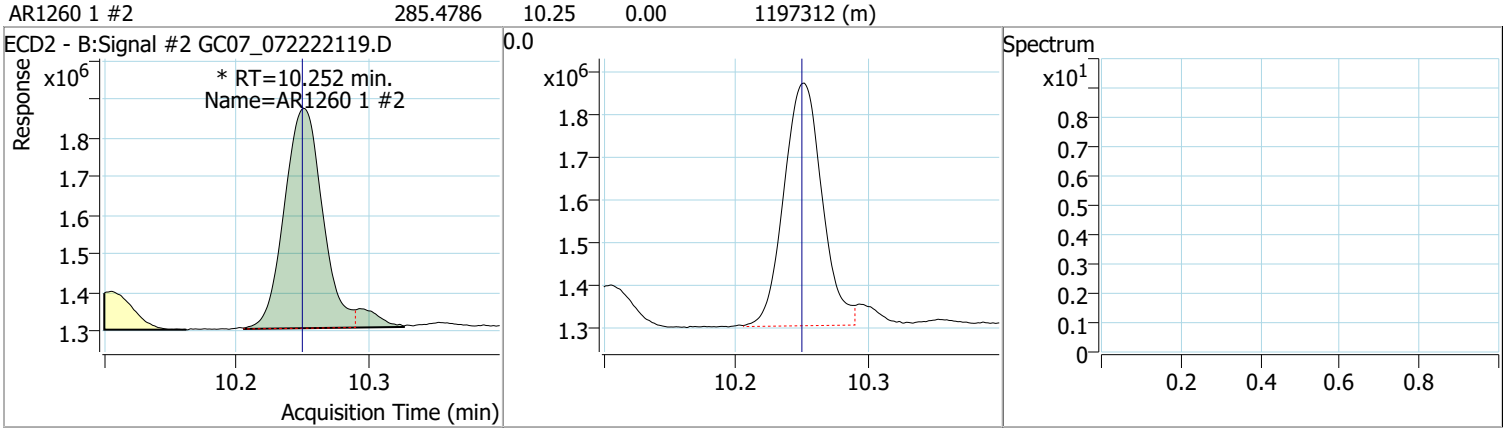
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	258.7900	9.47	0.00	4694450				



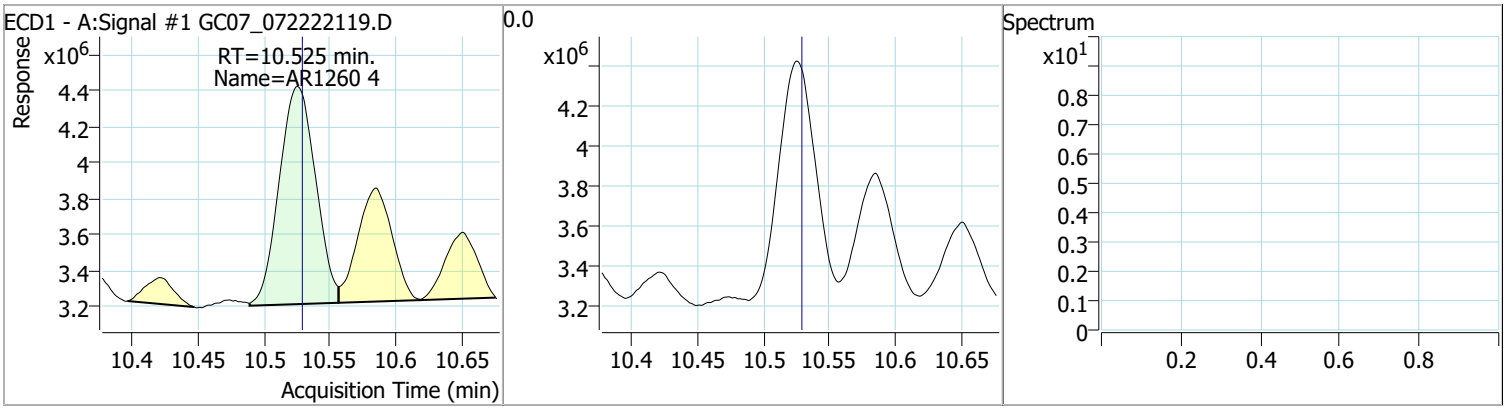
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	256.3433	9.97	0.00	4508137				



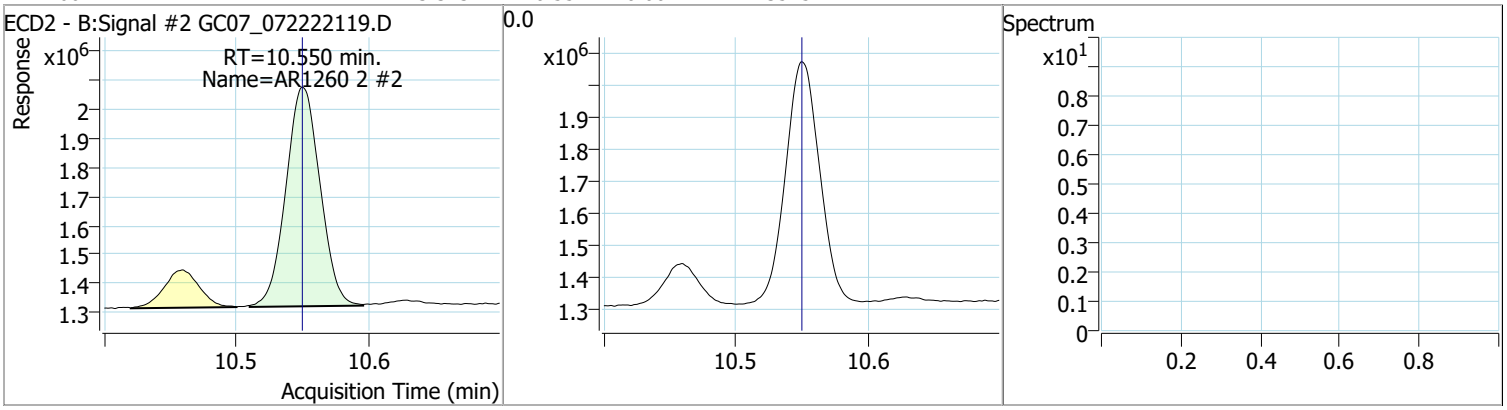
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	285.4786	10.25	0.00	1197312 (m)				



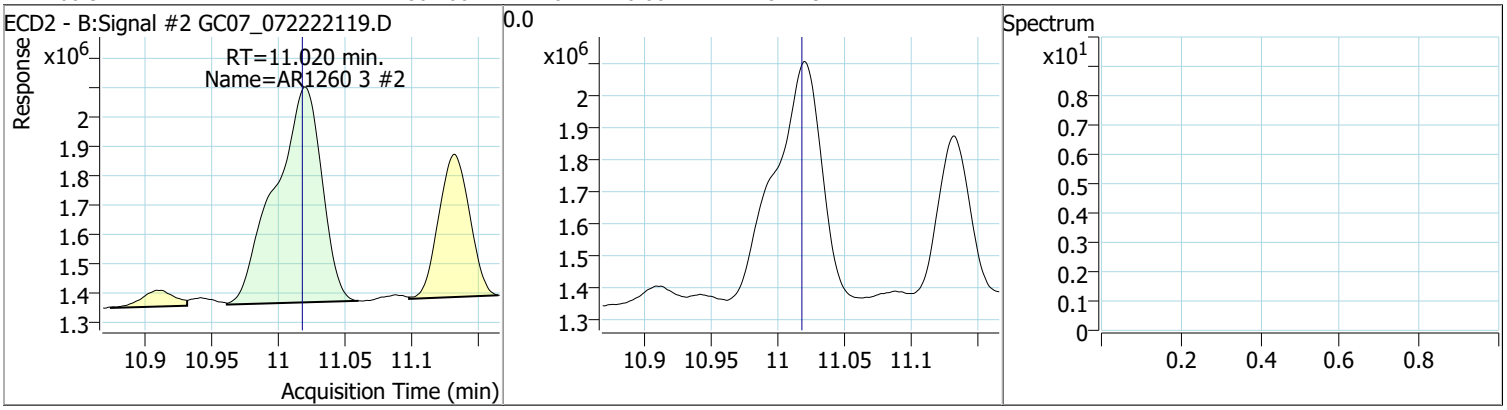
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	272.5864	10.53	0.00	2315968				



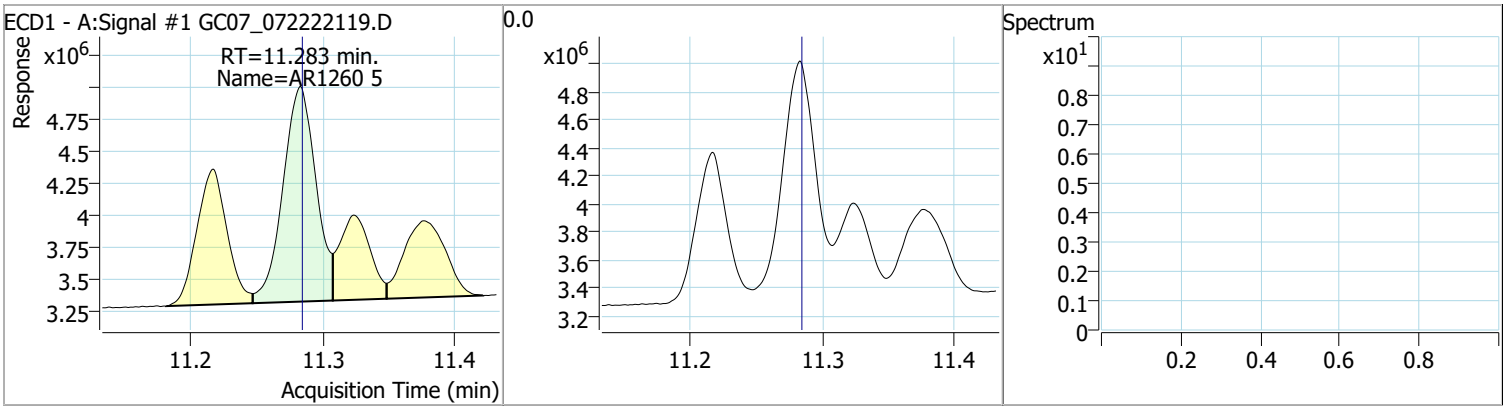
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	273.3434	10.55	0.00	1357572				



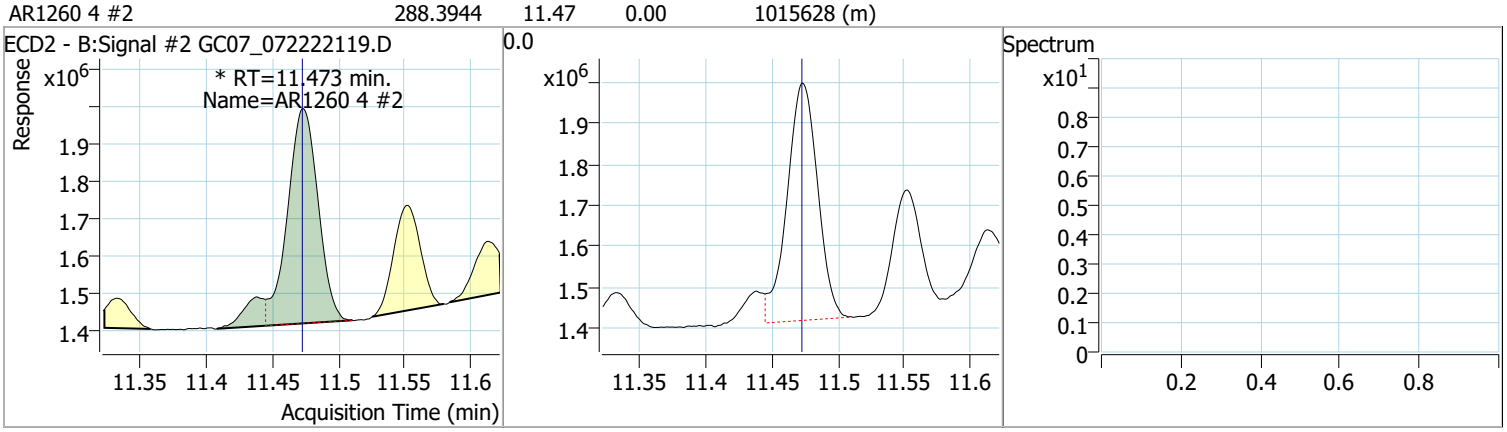
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	280.1002	11.02	0.00	1811291				



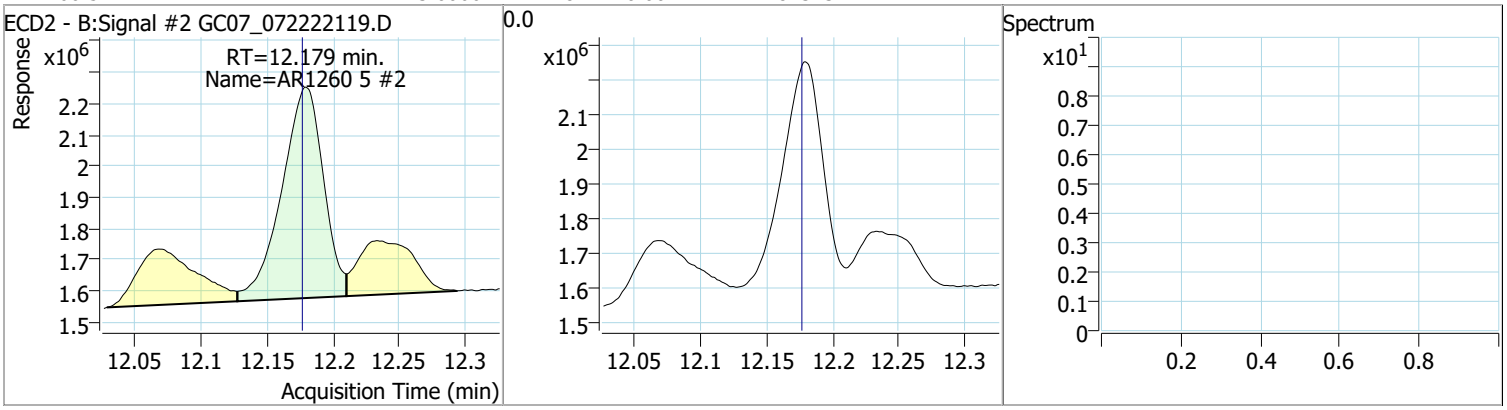
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	278.9516	11.28	0.00	2950506				



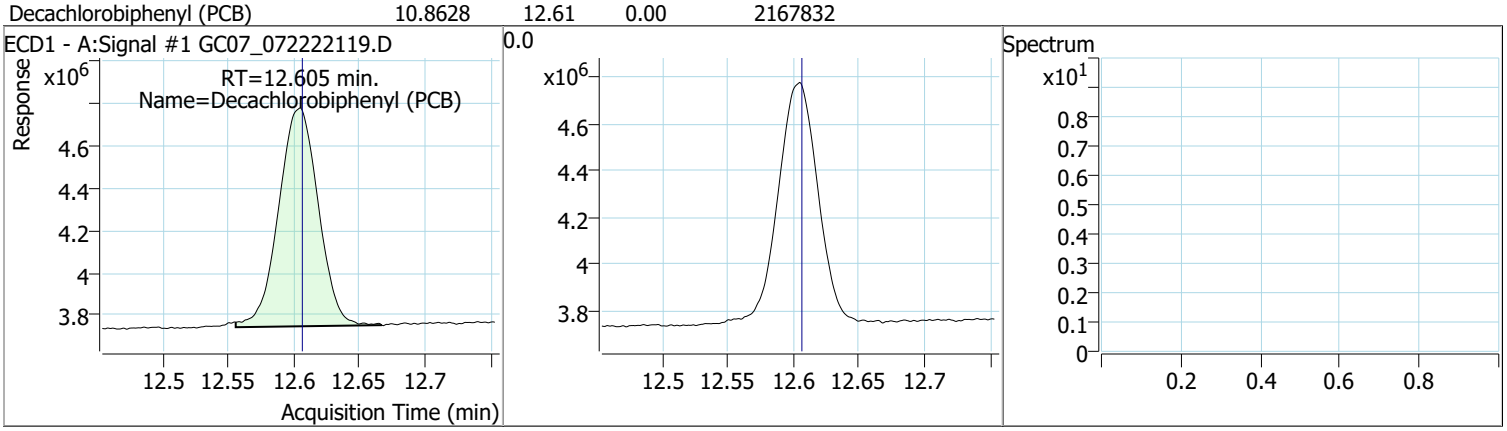
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	288.3944	11.47	0.00	1015628 (m)				



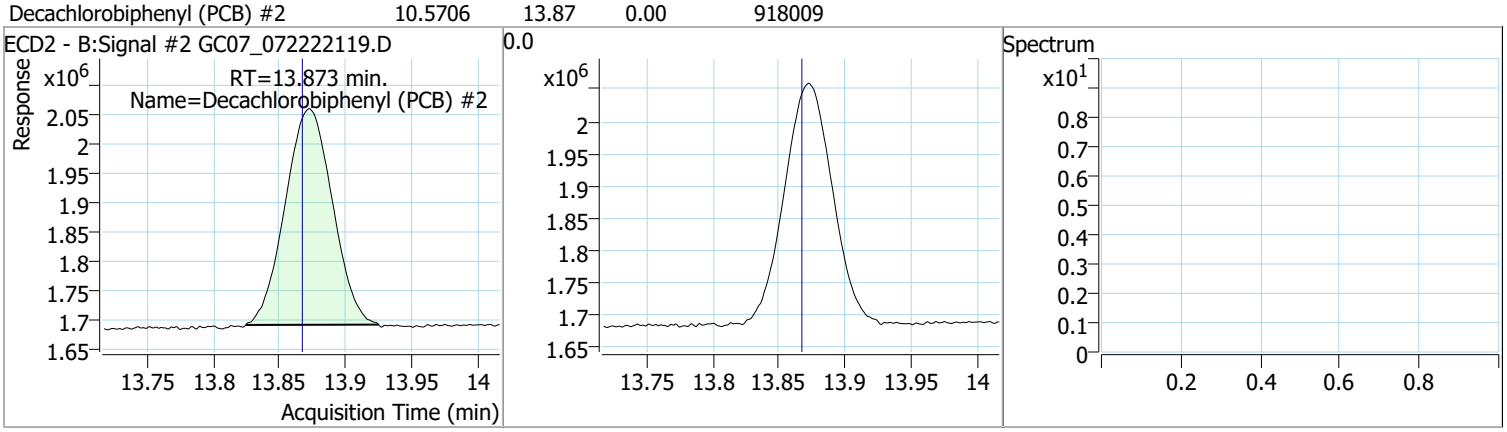
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	273.0066	12.18	0.00	1484373				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	10.8628	12.61	0.00	2167832				

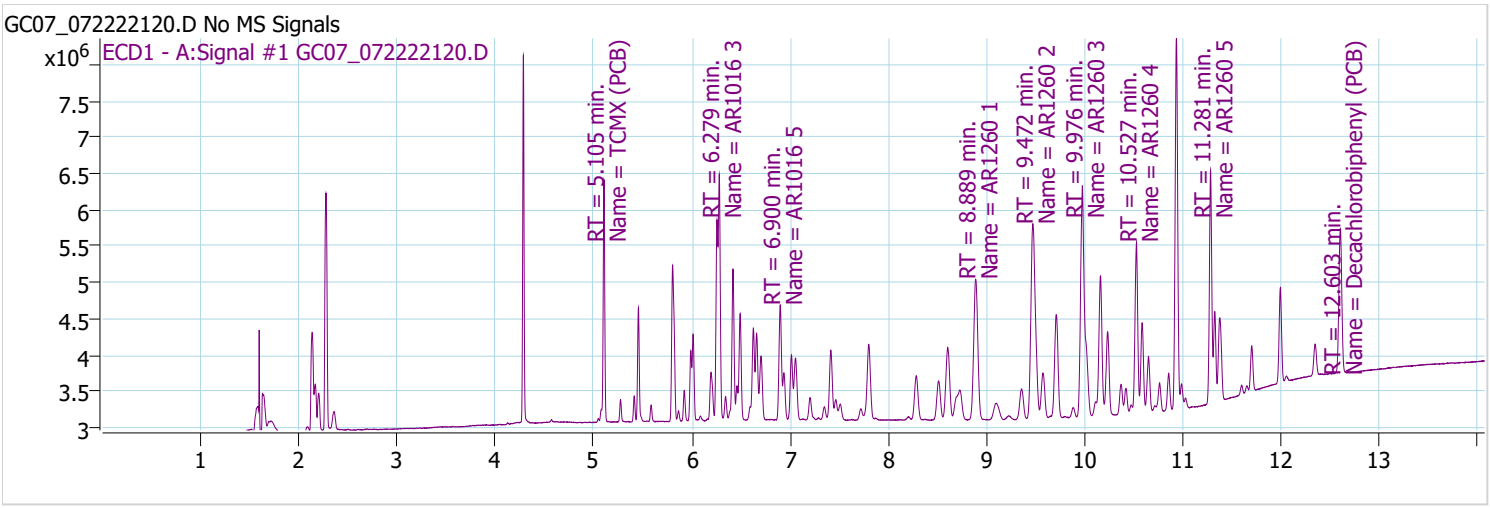


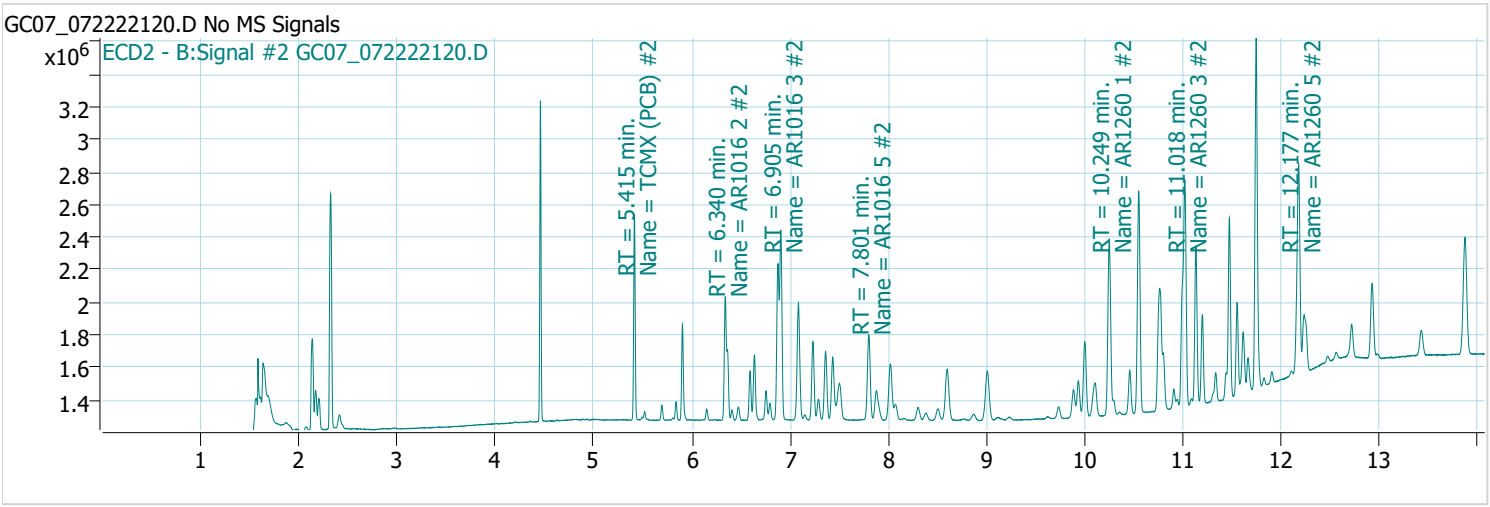
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	10.5706	13.87	0.00	918009				



Quantitation Results Report (Not Reviewed)

Data File	GC07_072222120.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/22/2022 9:00:48 PM
Sample Name	ICAL, S16726, 4	Instrument	SVOA-GC07
Vial	85	Multiplier	1.00
DA Method File	PCB_608_072222_GC07_1.m	Comment	500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	072222PCBICAL.batch.bin	Last Calib Update	7/23/2022 5:05:17 PM
Ref Library			



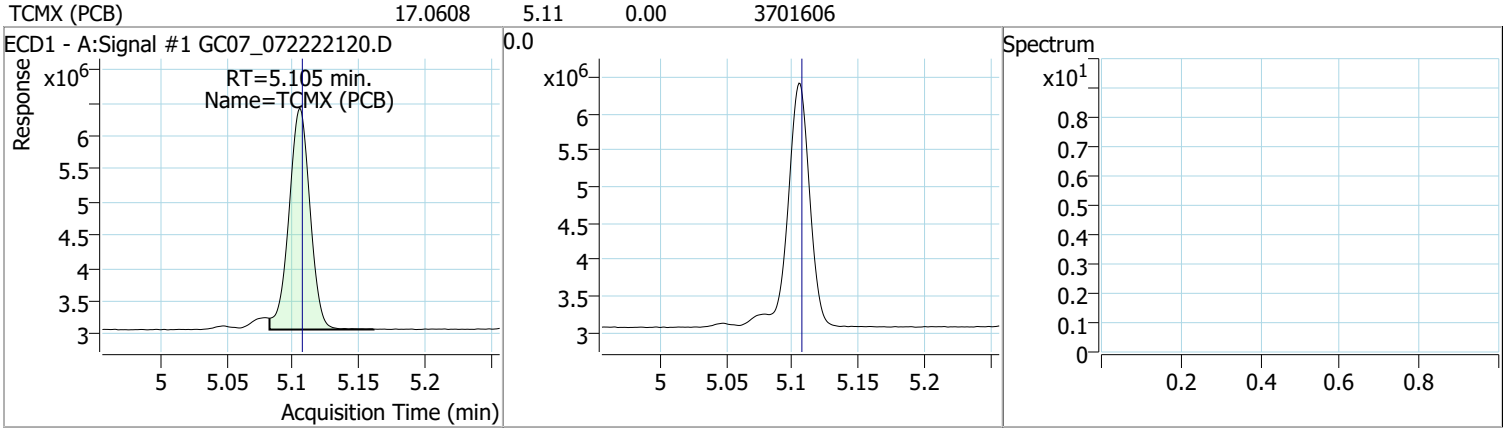


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.285	0.0	4820677.496	20.0000	ng/ml	0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.458	0.0	1746838.045	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.105	0.0	3701606.348	17.0608	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 85.30%		
S TCMX (PCB) #2	5.415	0.0	1360887.267	17.5388	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 87.69%		
S Decachlorobiphenyl (PCB)	12.603	0.0	4159382.049	17.7805	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 88.90%		
S Decachlorobiphenyl (PCB) #2	13.871	0.0	1836843.069	17.3855	ng/ml	0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 86.93%		
Target Compounds						QValue

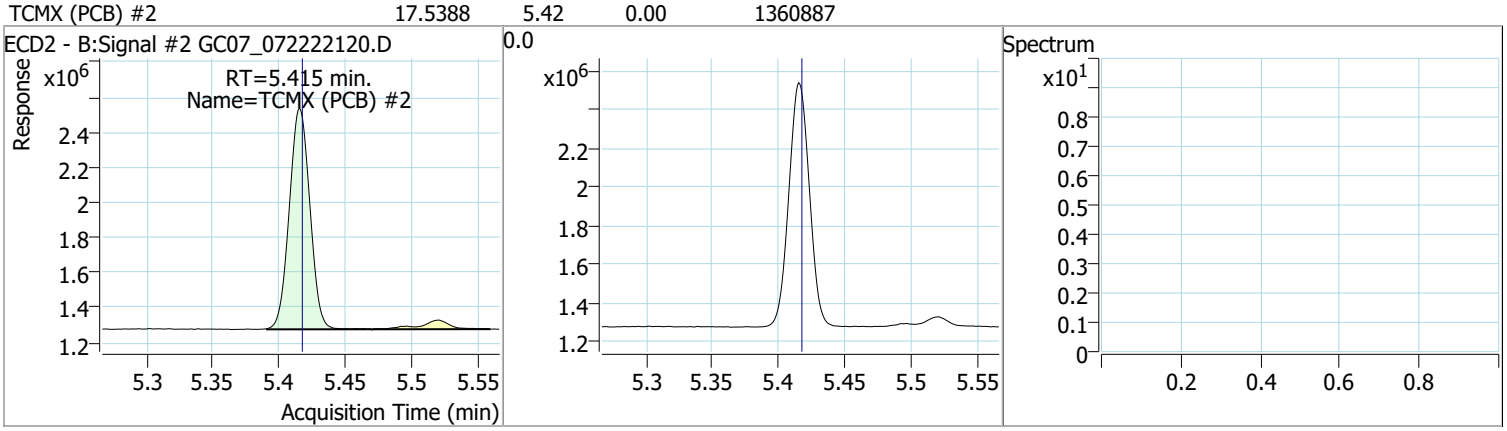
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.456	0.0	1923031.278	425.3085	ng/ml	100
T AR1016 2	5.804	0.0	3879319.325	475.3686	ng/ml	100
T AR1016 1 #2	5.904	0.0	719257.884	442.7193	ng/ml	100
T AR1016 3	6.279	0.0	4692074.125	424.9779	ng/ml	100
T AR1016 2 #2	6.340	0.0	1569826.057	443.6439	ng/ml	100
T AR1016 4	6.418	0.0	3123165.841	410.9703	ng/ml	100
T AR1016 5	6.900	0.0	2810236.634	433.2177	ng/ml	100
T AR1016 3 #2	6.905	0.0	1900629.172	442.9363	ng/ml	100
T AR1016 4 #2	7.085	0.0	1359322.584	439.2743	ng/ml	100
T AR1016 5 #2	7.801	0.0	1070711.608	444.4880	ng/ml	100
T AR1260 1	8.889	0.0	5677610.593	490.9216	ng/ml	100
T AR1260 2	9.472	0.0	8618619.418	405.3213	ng/ml	100
T AR1260 3	9.976	0.0	9386393.889	455.3263	ng/ml	100
T AR1260 1 #2	10.249	0.0	2293641.091	449.5271	ng/ml	100
T AR1260 4	10.527	0.0	4328160.069	434.5842	ng/ml	100
T AR1260 2 #2	10.549	0.0	2565139.119	424.5423	ng/ml	100
T AR1260 3 #2	11.018	0.0	3487476.225	443.3030	ng/ml	100
T AR1260 5	11.281	0.0	5392812.101	434.9573	ng/ml	100
T AR1260 4 #2	11.473	0.0	1958135.695	457.0452	ng/ml	100
T AR1260 5 #2	12.177	0.0	2767042.542	418.3214	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

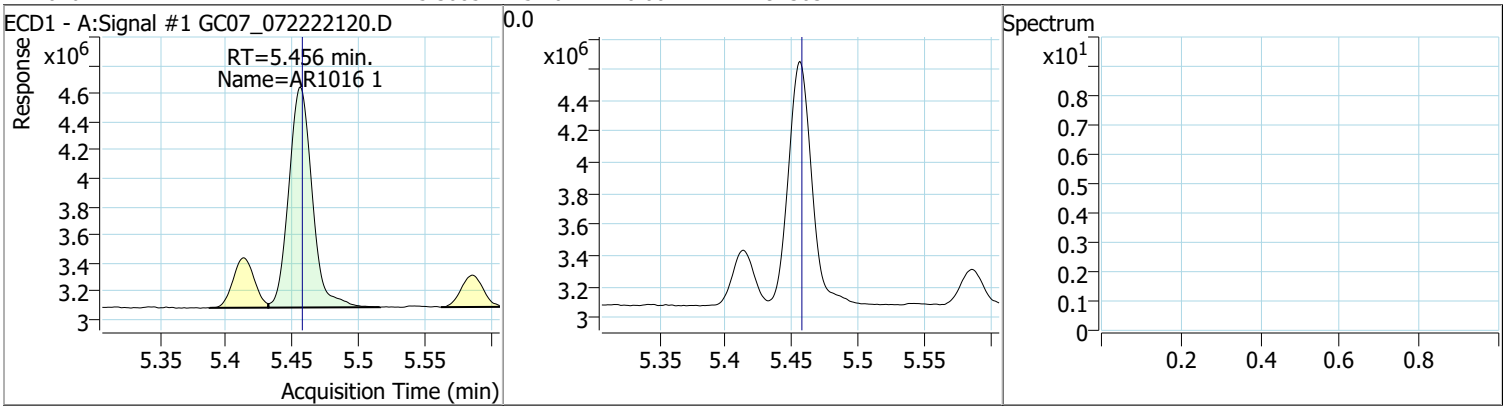
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	17.0608	5.11	0.00	3701606				



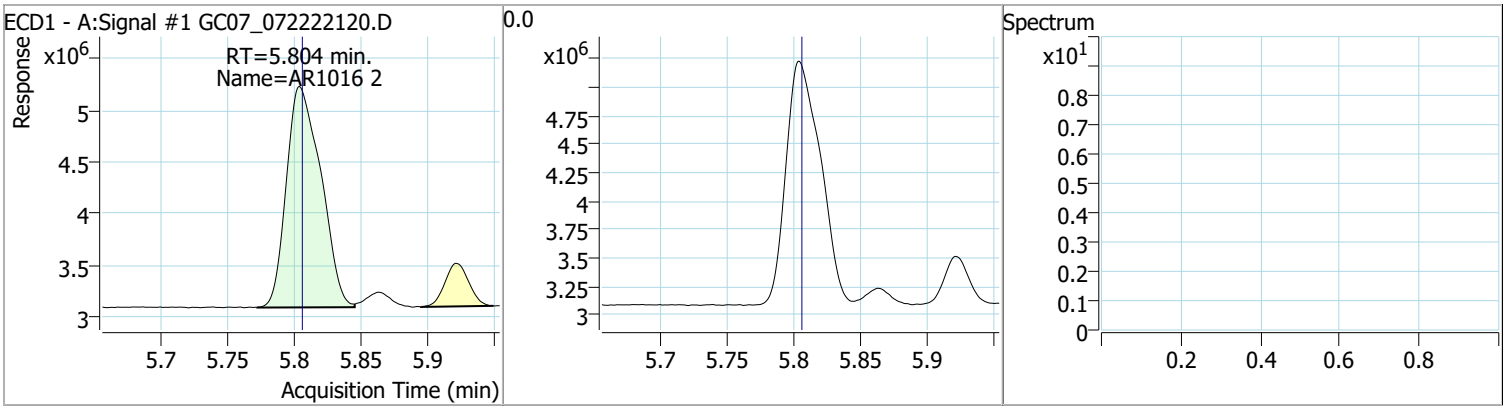
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	17.5388	5.42	0.00	1360887				



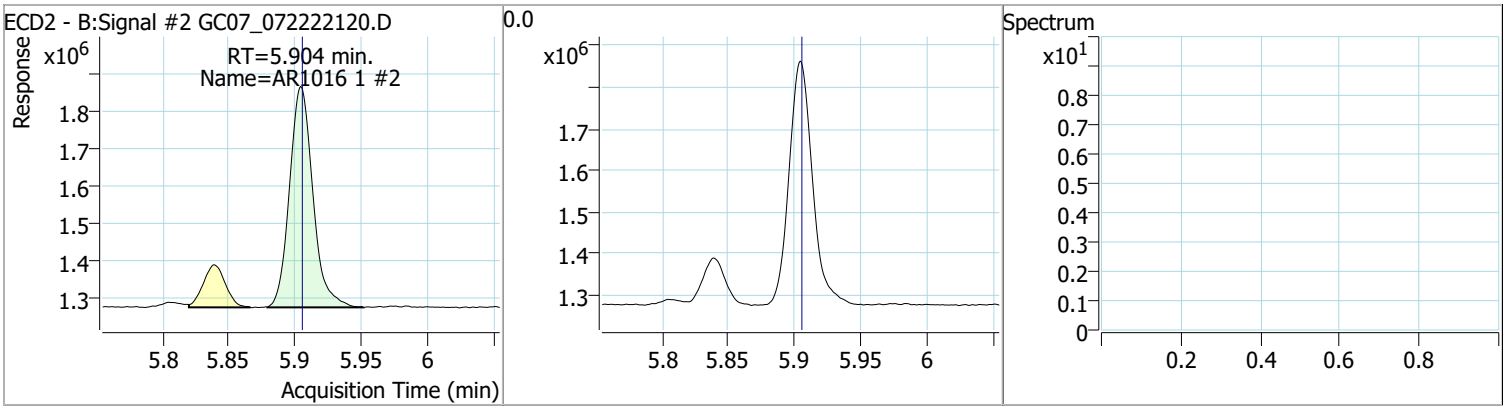
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	425.3085	5.46	0.00	1923031				



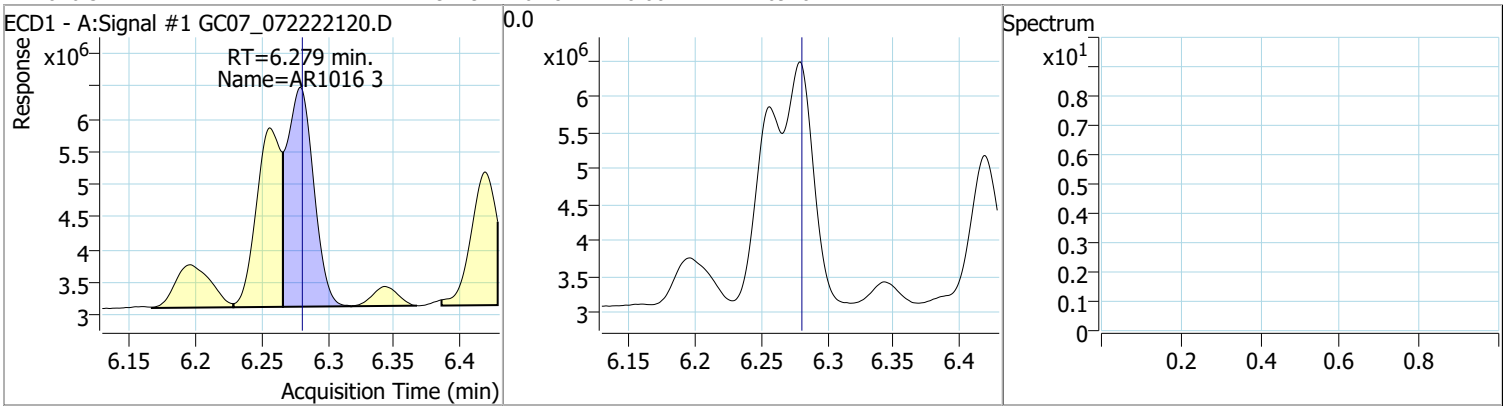
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	475.3686	5.80	0.00	3879319				



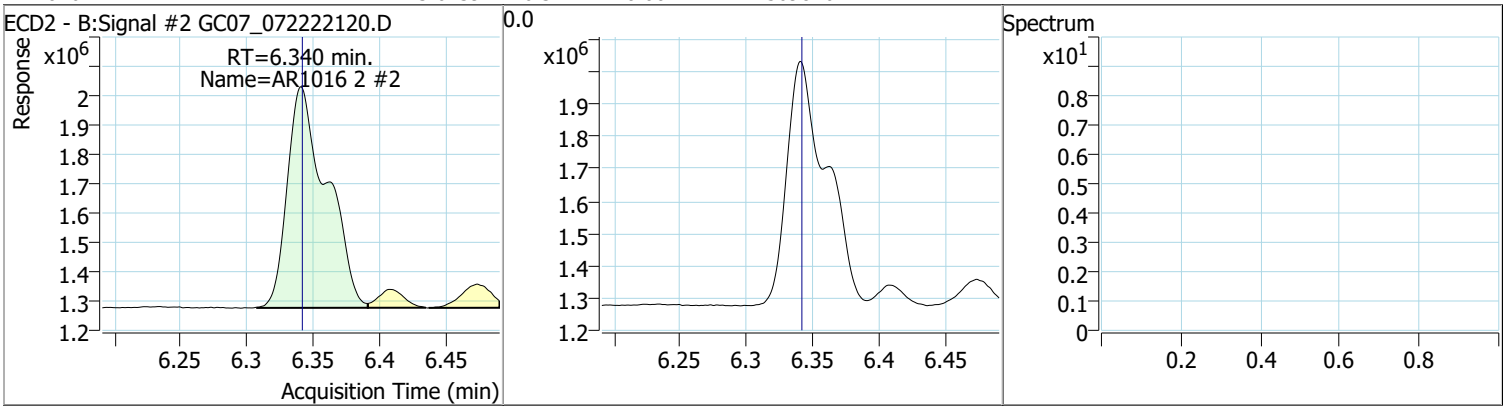
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	442.7193	5.90	0.00	719258				



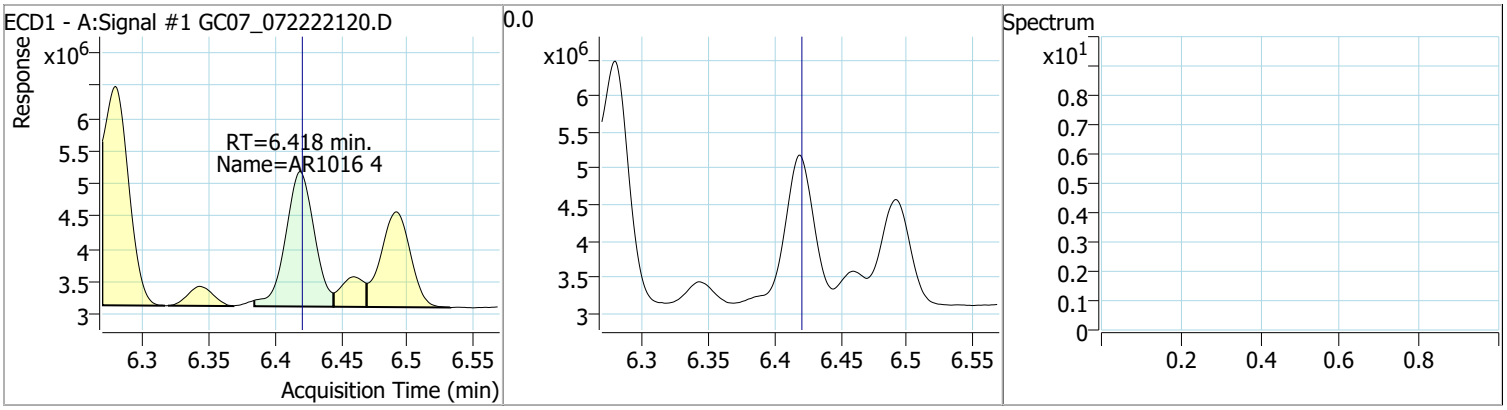
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	424.9779	6.28	0.00	4692074				



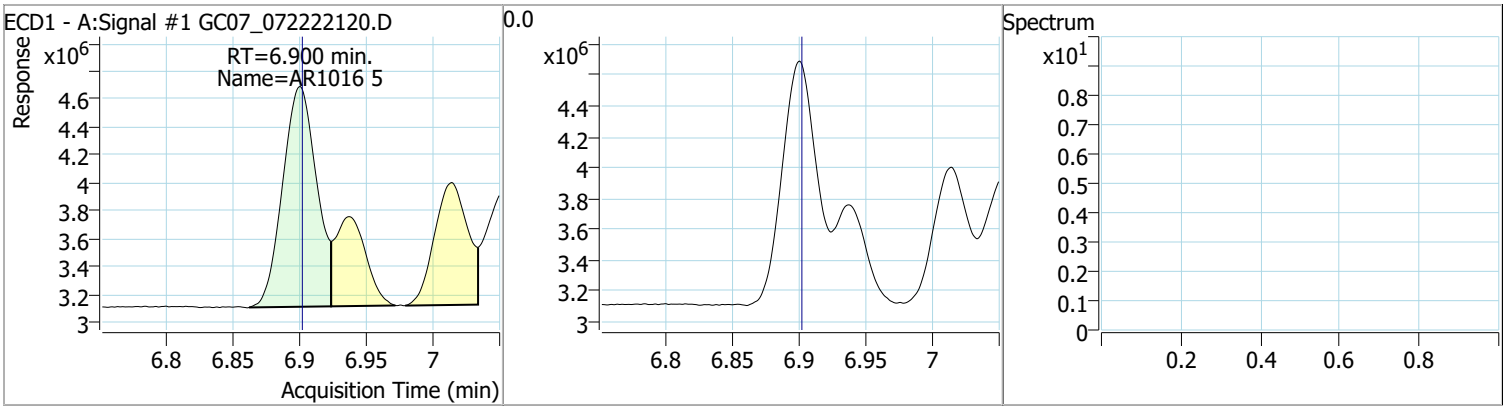
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	443.6439	6.34	0.00	1569826				



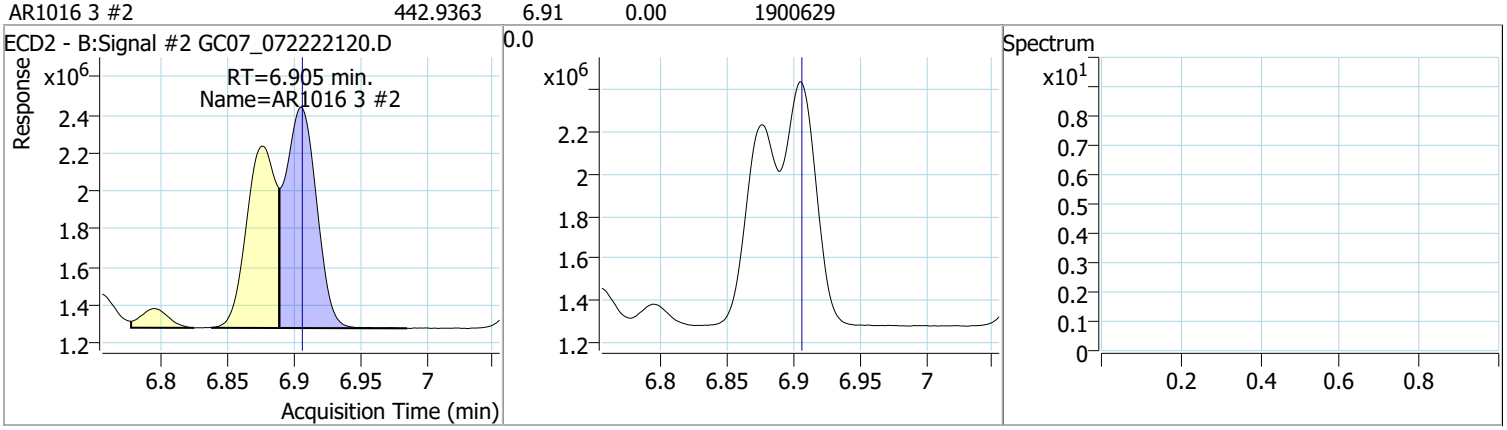
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	410.9703	6.42	0.00	3123166				



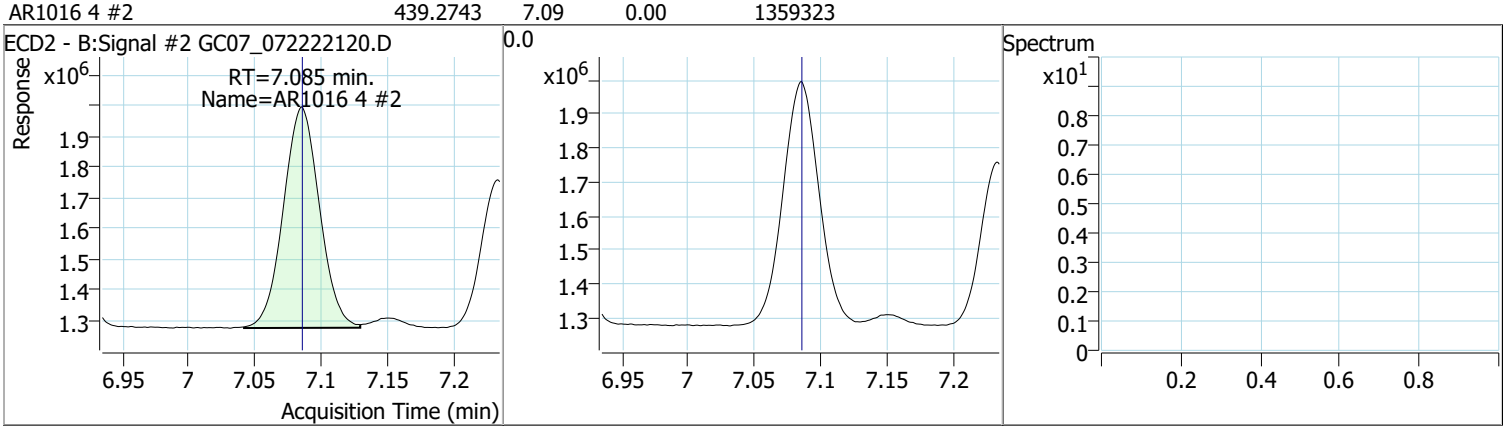
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	433.2177	6.90	0.00	2810237				



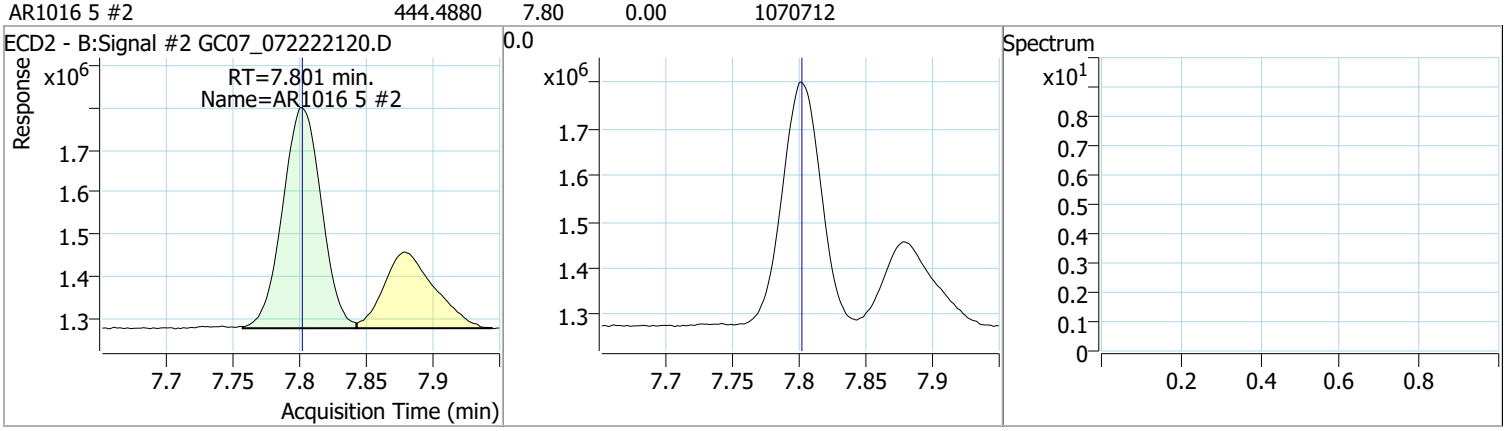
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	442.9363	6.91	0.00	1900629				



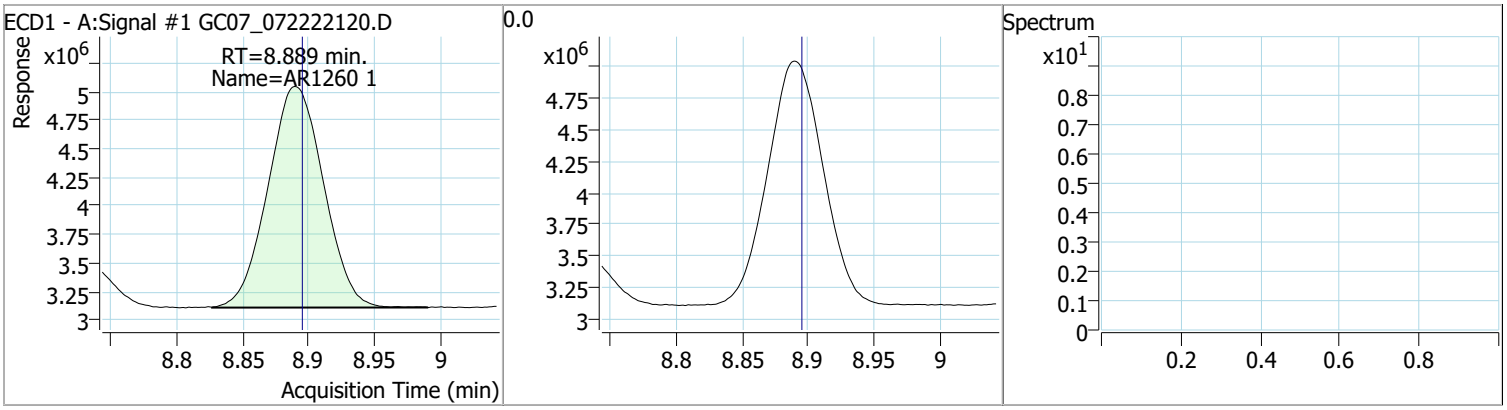
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	439.2743	7.09	0.00	1359323				



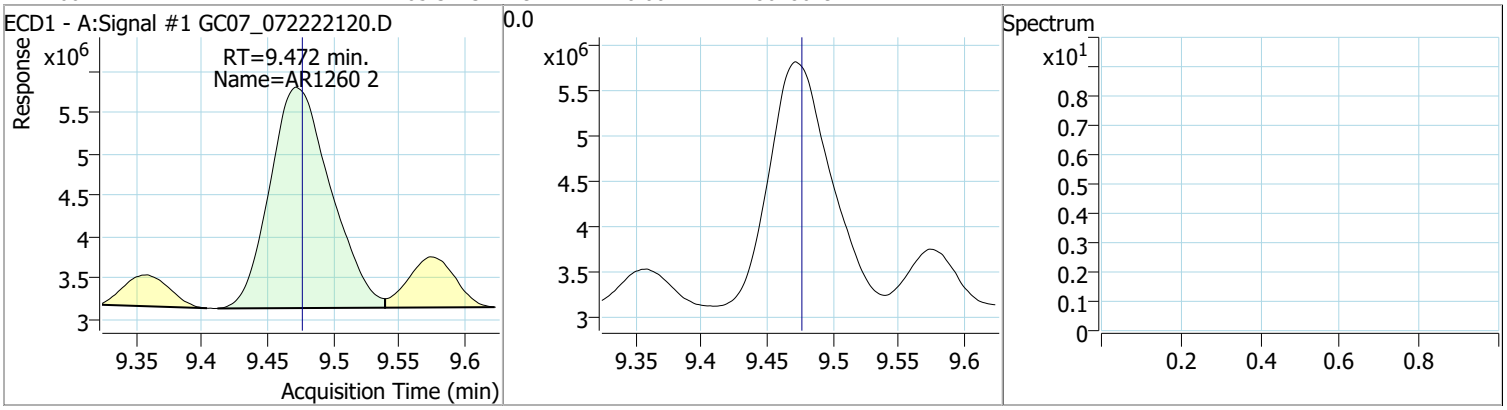
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	444.4880	7.80	0.00	1070712				



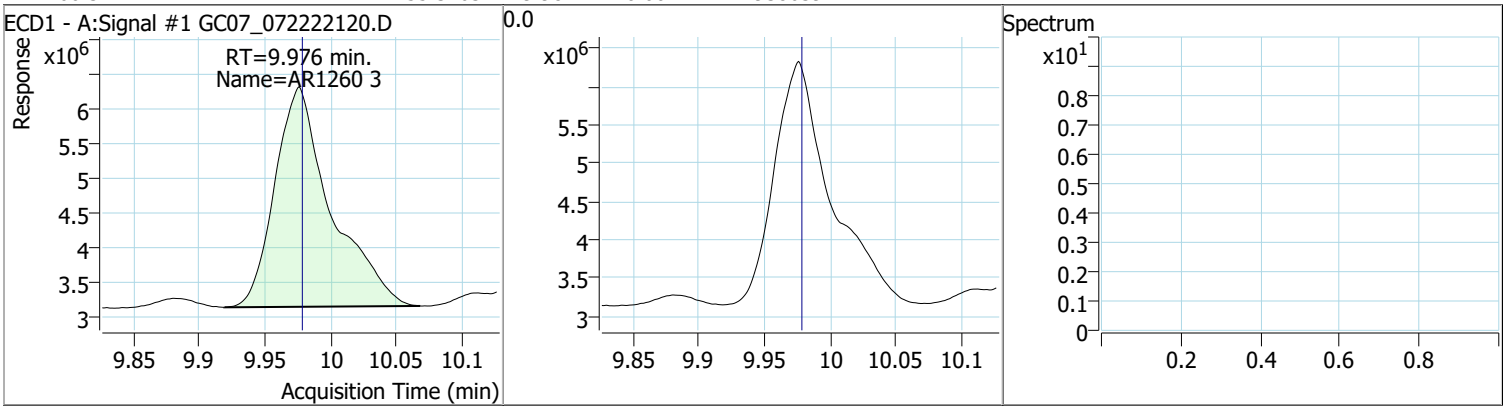
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	490.9216	8.89	0.00	5677611				



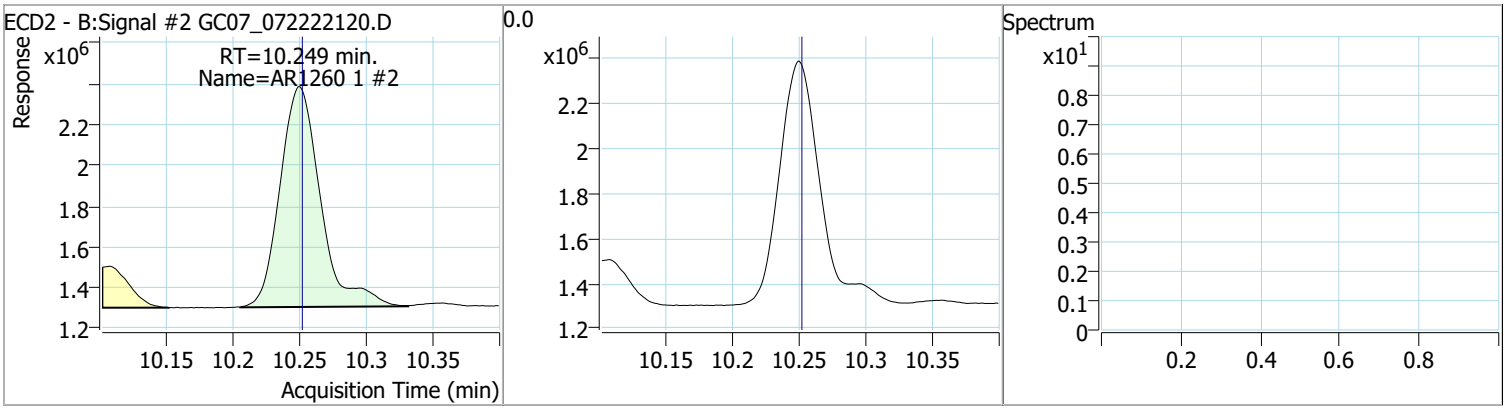
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	405.3213	9.47	0.00	8618619				



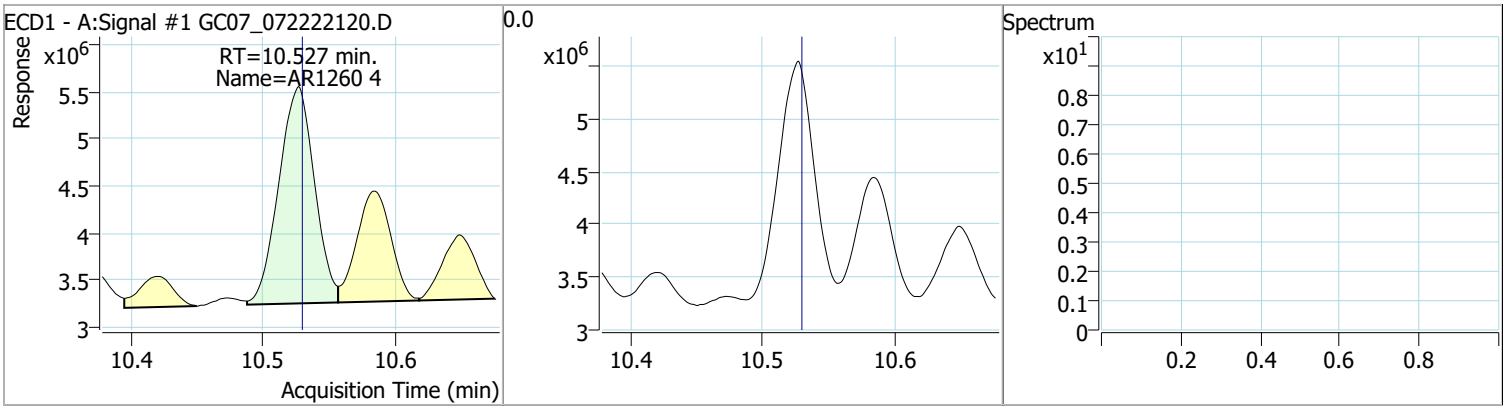
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	455.3263	9.98	0.00	9386394				



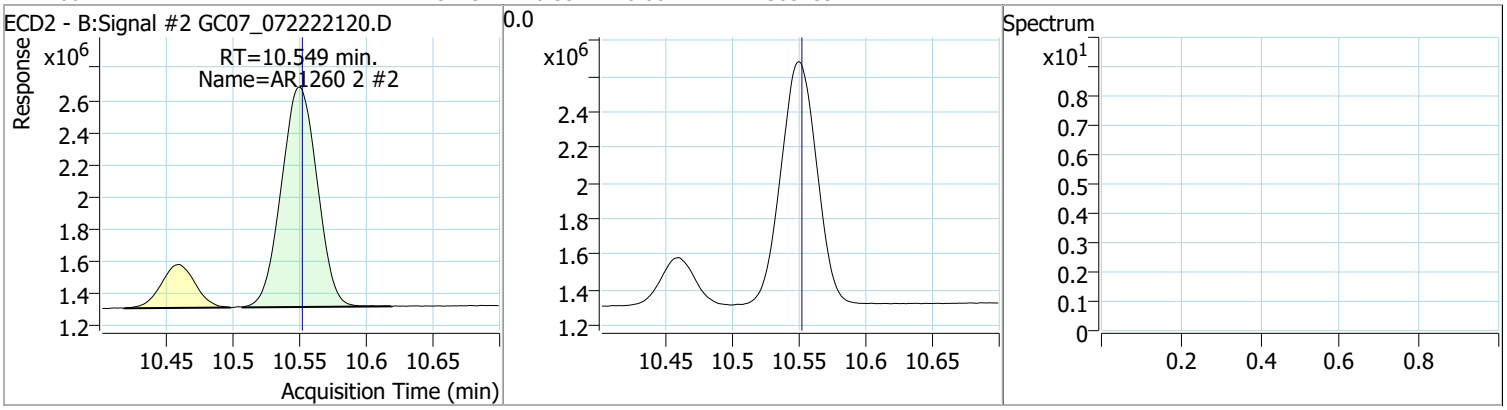
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	449.5271	10.25	0.00	2293641				



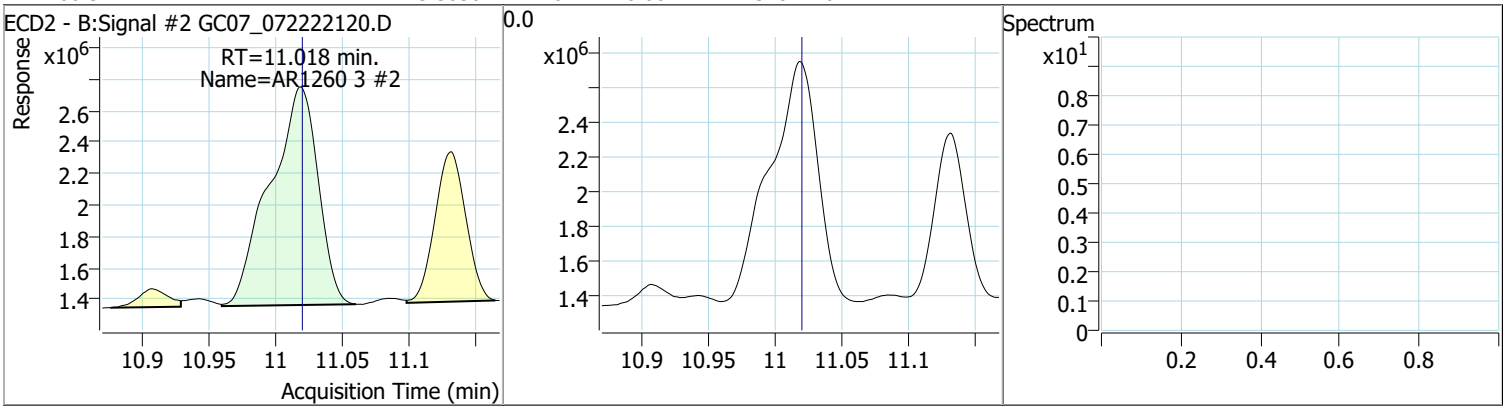
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	434.5842	10.53	0.00	4328160				



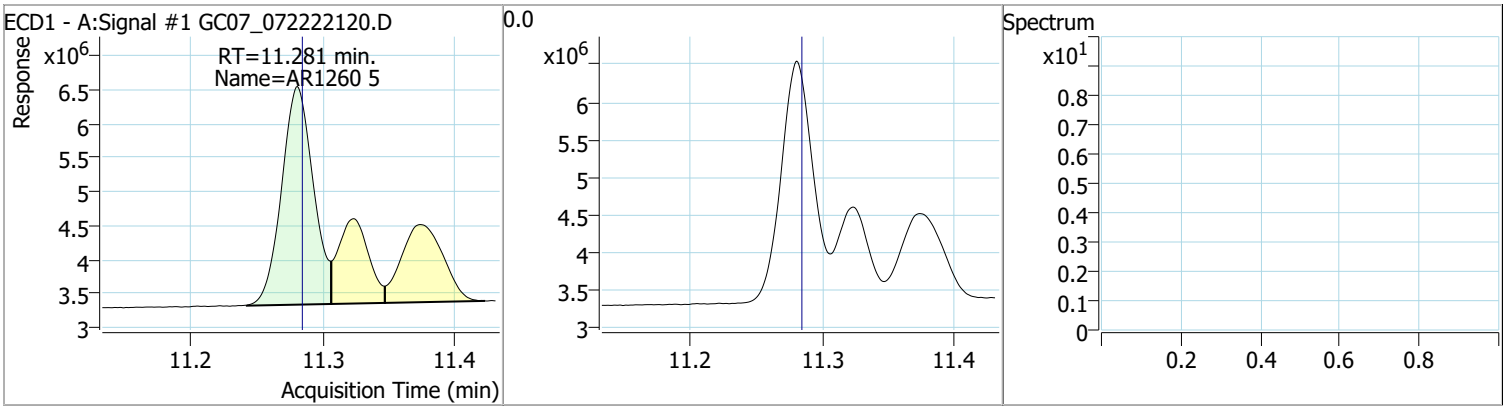
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	424.5423	10.55	0.00	2565139				



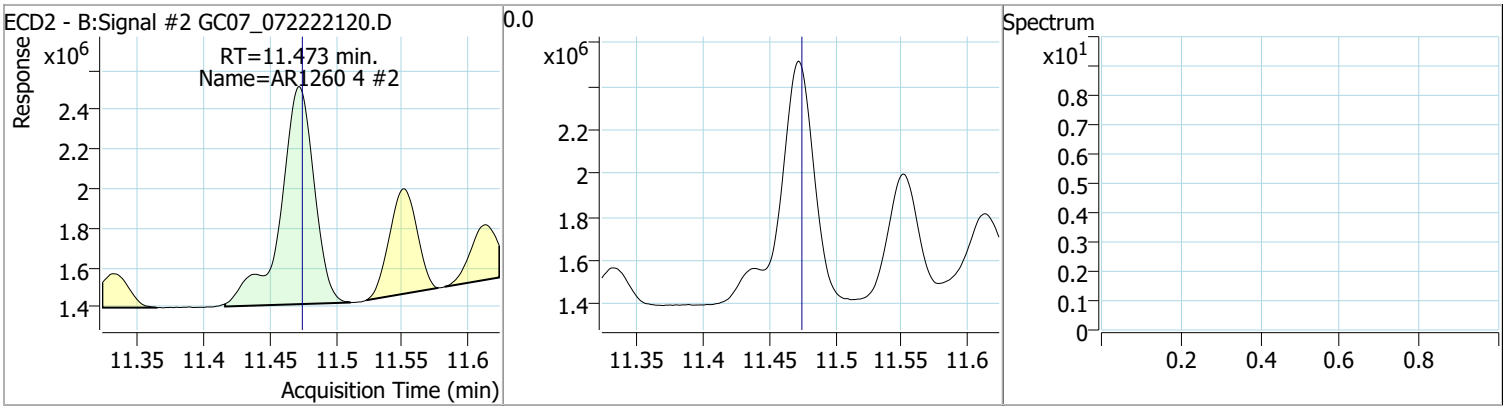
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	443.3030	11.02	0.00	3487476				



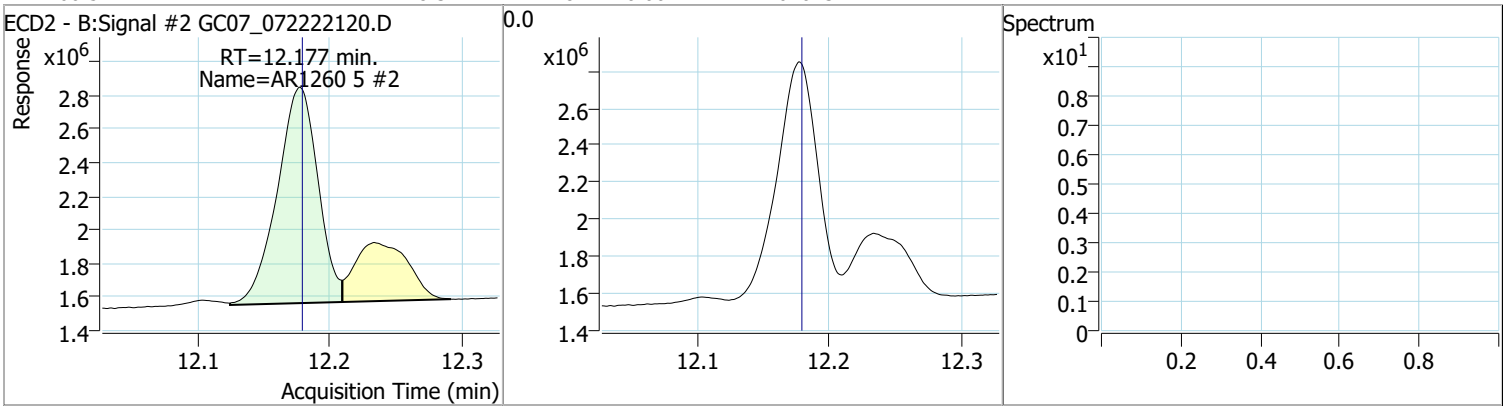
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	434.9573	11.28	0.00	5392812				



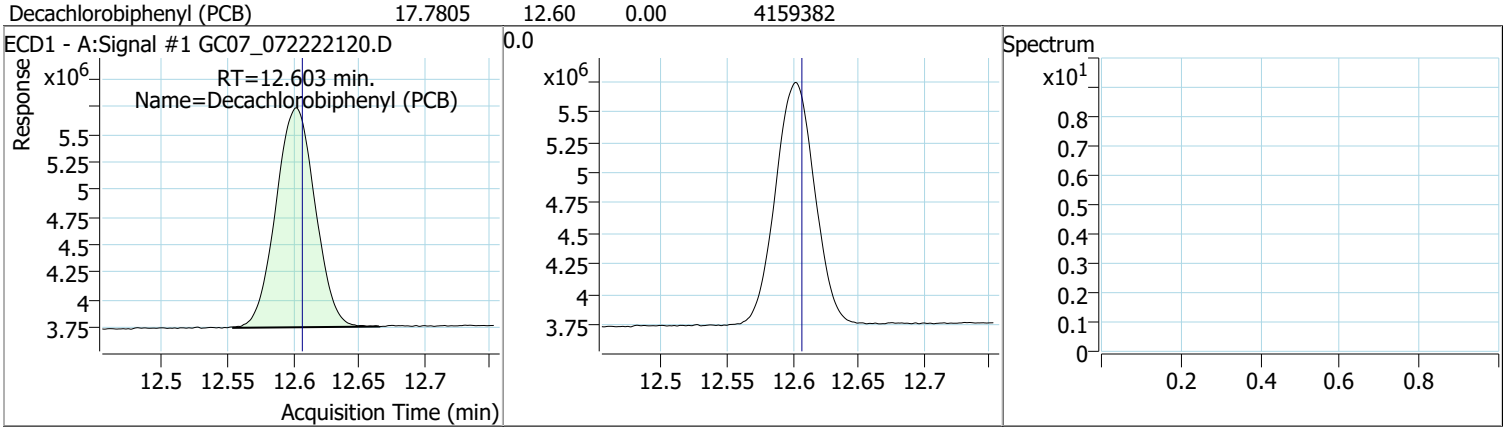
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	457.0452	11.47	0.00	1958136				



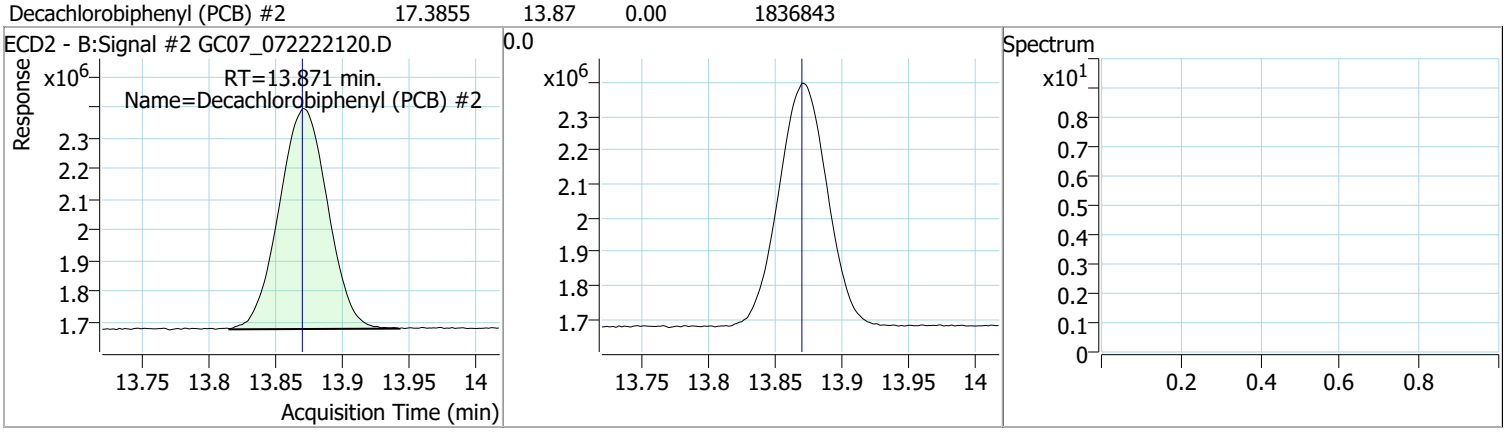
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	418.3214	12.18	0.00	2767043				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	17.7805	12.60	0.00	4159382				

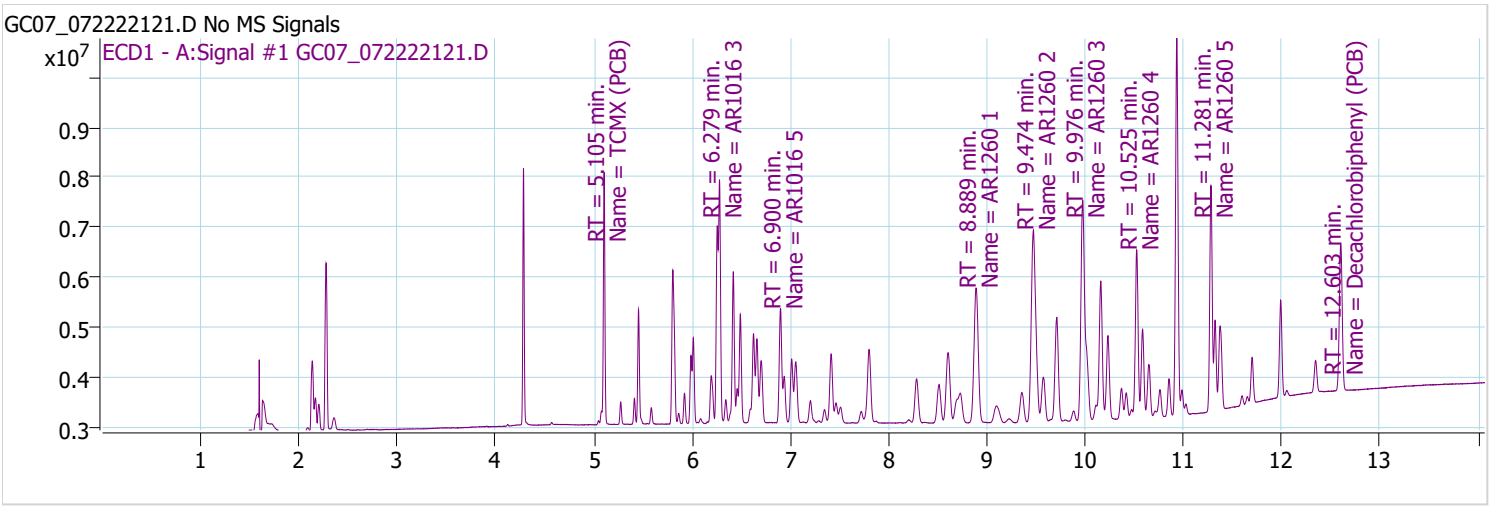


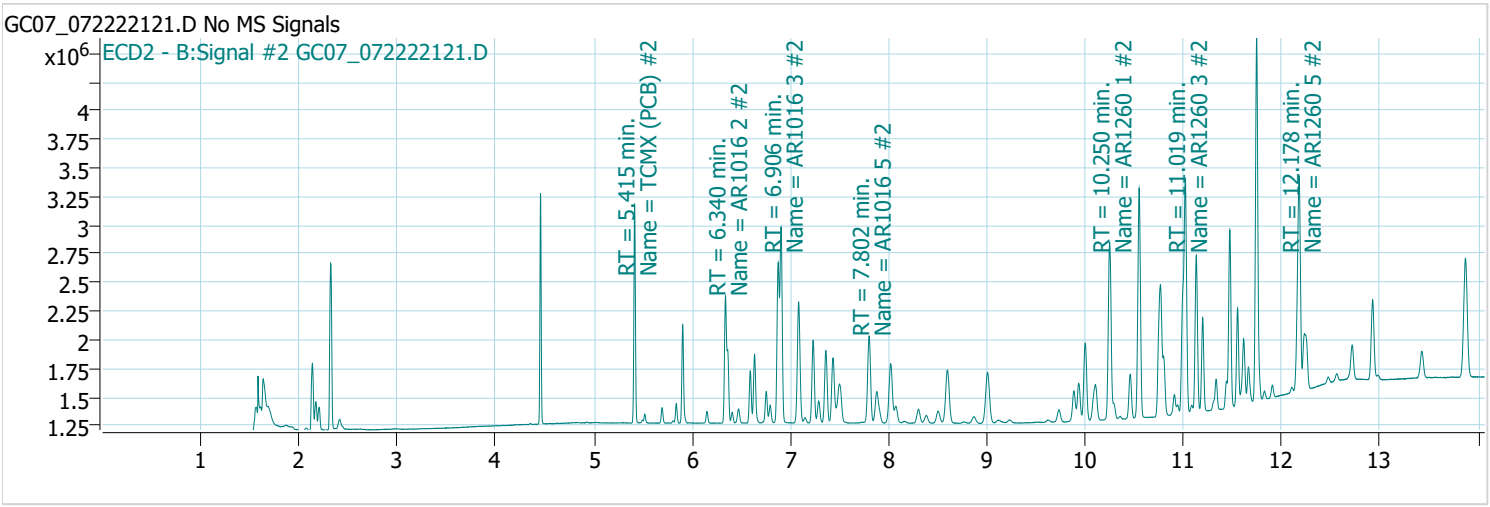
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	17.3855	13.87	0.00	1836843				



Quantitation Results Report (Not Reviewed)

Data File	GC07_072222121.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/22/2022 9:18:22 PM
Sample Name	ICAL, S16726, 2.66	Instrument	SVOA-GC07
Vial	86	Multiplier	1.00
DA Method File	PCB_608_072222_GC07_1.m	Comment	750 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	072222PCBICAL.batch.bin	Last Calib Update	7/23/2022 5:05:17 PM
Ref Library			



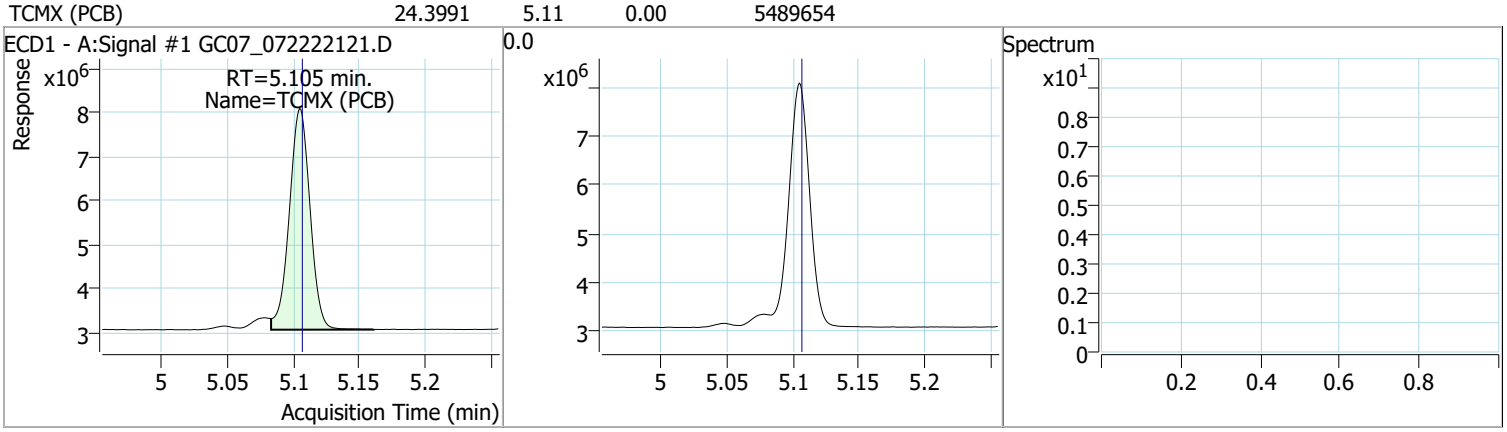


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.285	0.0	4999059.125	20.0000	ng/ml	0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.458	0.0	1784140.414	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.105	0.0	5489654.376	24.3991	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 122.00%		
S TCMX (PCB) #2	5.415	0.0	2059629.934	25.9891	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 129.95%		
S Decachlorobiphenyl (PCB)	12.603	0.0	6080580.947	25.0658	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 125.33%		
S Decachlorobiphenyl (PCB) #2	13.870	0.0	2695979.995	24.9837	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 124.92%		
Target Compounds						QValue

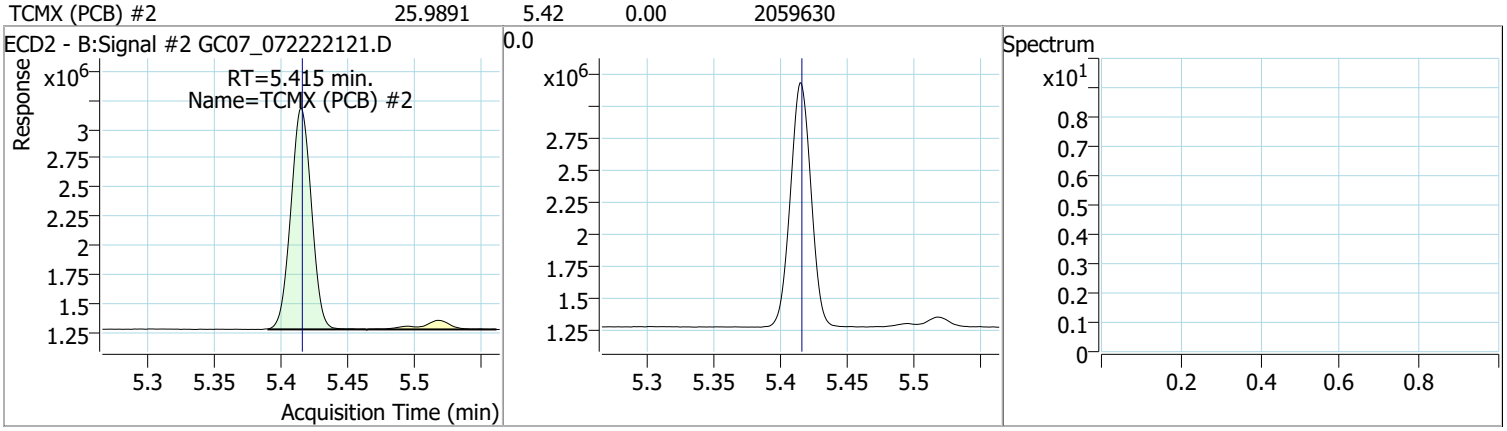
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.455	0.0	2772728.830	591.3504	ng/ml	100
T AR1016 2	5.804	0.0	5575980.981	671.8844	ng/ml	100
T AR1016 1 #2	5.904	0.0	1074746.477	647.6993	ng/ml	100
T AR1016 3	6.279	0.0	6835113.048	596.9899	ng/ml	100
T AR1016 2 #2	6.340	0.0	2325490.111	643.4593	ng/ml	100
T AR1016 4	6.419	0.0	4504548.258	571.5924	ng/ml	100
T AR1016 5	6.900	0.0	4061473.232	603.7633	ng/ml	100
T AR1016 3 #2	6.906	0.0	2737883.072	624.7157	ng/ml	100
T AR1016 4 #2	7.085	0.0	2010894.226	636.2475	ng/ml	100
T AR1016 5 #2	7.802	0.0	1593939.949	647.8628	ng/ml	100
T AR1260 1	8.889	0.0	8138862.536	688.4841	ng/ml	100
T AR1260 2	9.474	0.0	12275528.324	556.7007	ng/ml	100
T AR1260 3	9.976	0.0	13485134.056	630.8106	ng/ml	100
T AR1260 1 #2	10.250	0.0	3340934.502	641.0944	ng/ml	100
T AR1260 4	10.525	0.0	6198420.151	600.1661	ng/ml	100
T AR1260 2 #2	10.550	0.0	3709903.323	601.1686	ng/ml	100
T AR1260 3 #2	11.019	0.0	5098668.974	634.5558	ng/ml	100
T AR1260 5	11.281	0.0	7837880.672	609.6068	ng/ml	100
T AR1260 4 #2	11.473	0.0	2853041.768	652.0008	ng/ml	100
T AR1260 5 #2	12.178	0.0	4062605.015	601.3432	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

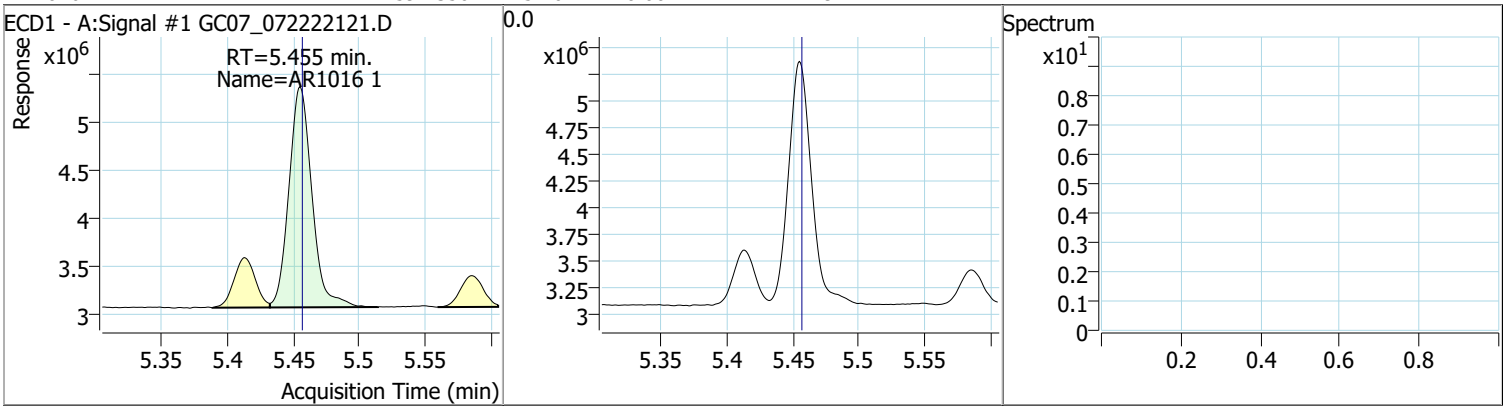
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	24.3991	5.11	0.00	5489654				



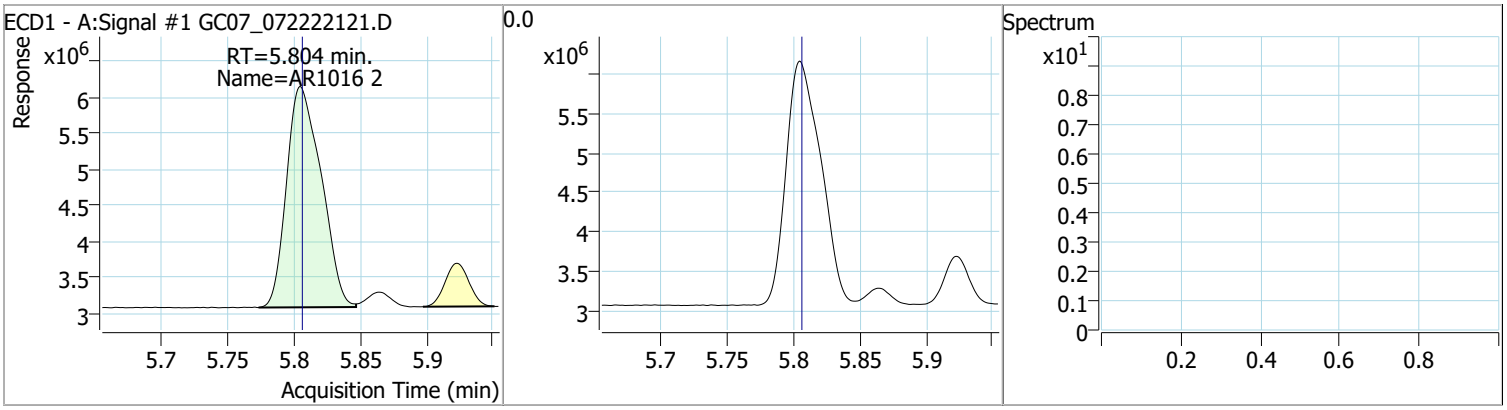
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	25.9891	5.42	0.00	2059630				



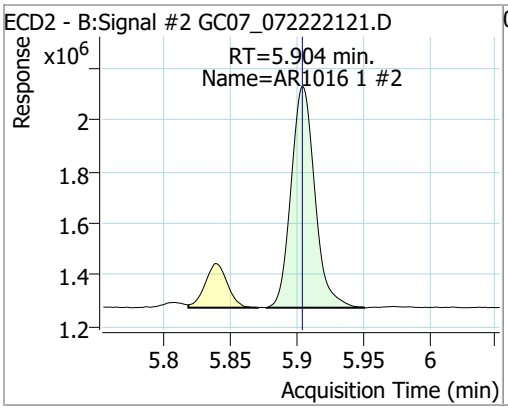
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	591.3504	5.46	0.00	2772729				

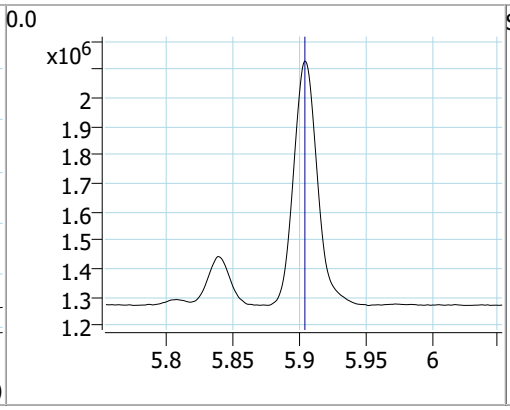


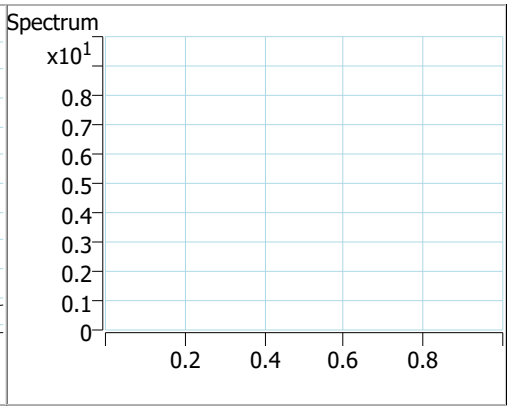
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	671.8844	5.80	0.00	5575981				



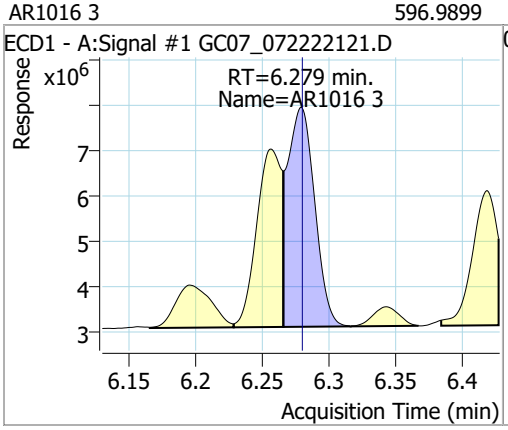
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	647.6993	5.90	0.00	1074746				

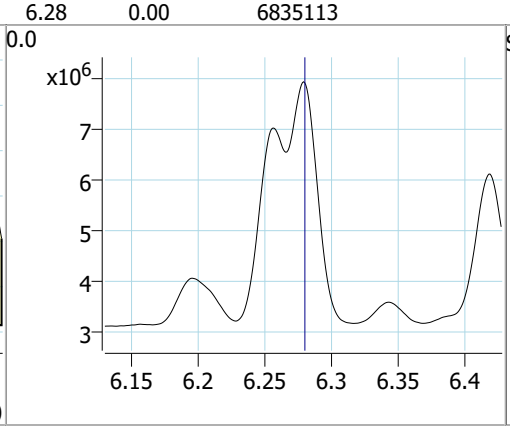


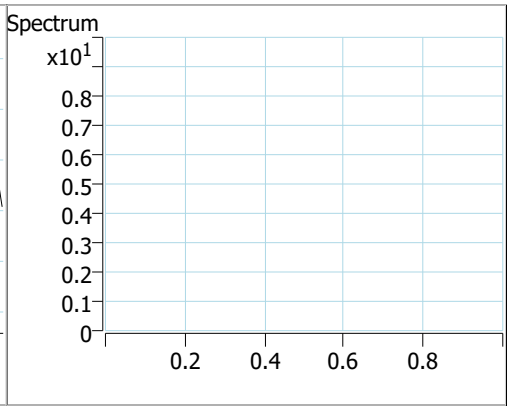




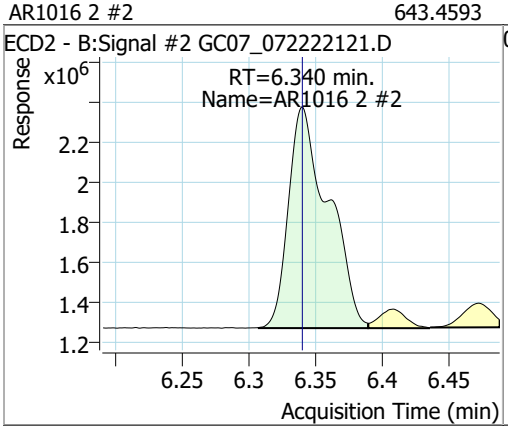
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	596.9899	6.28	0.00	6835113				

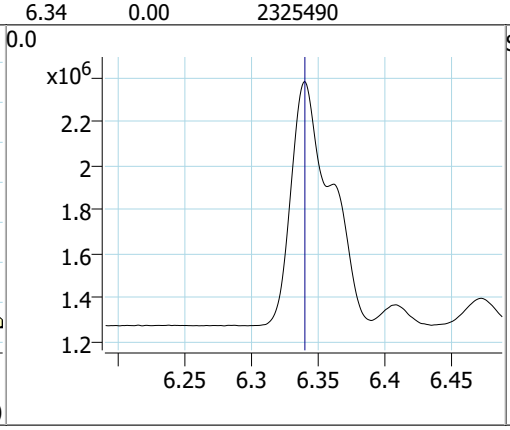


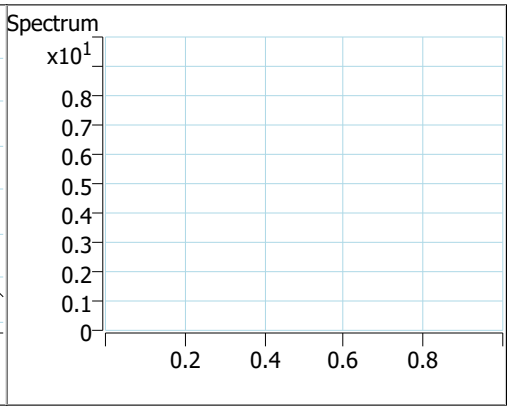




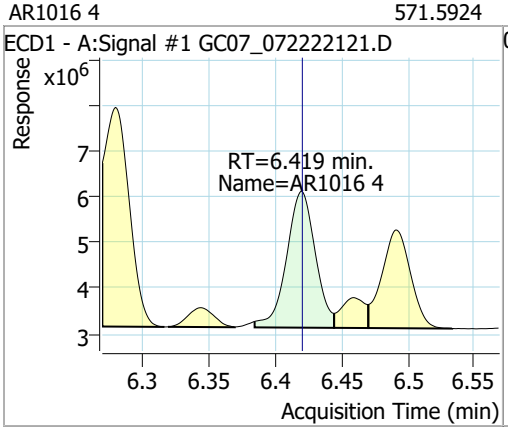
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	643.4593	6.34	0.00	2325490				

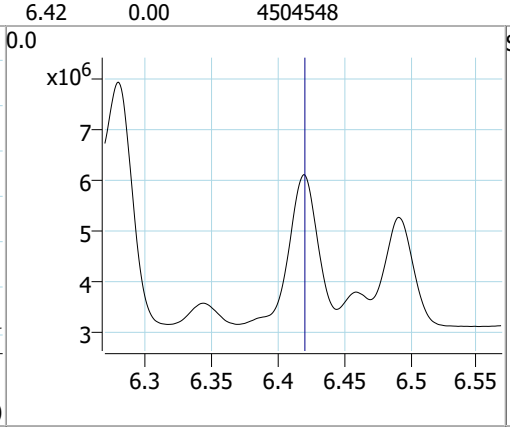


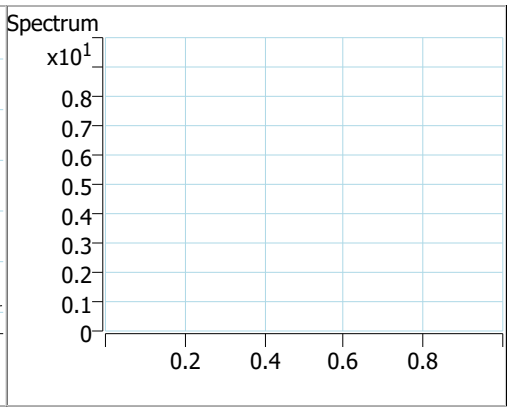




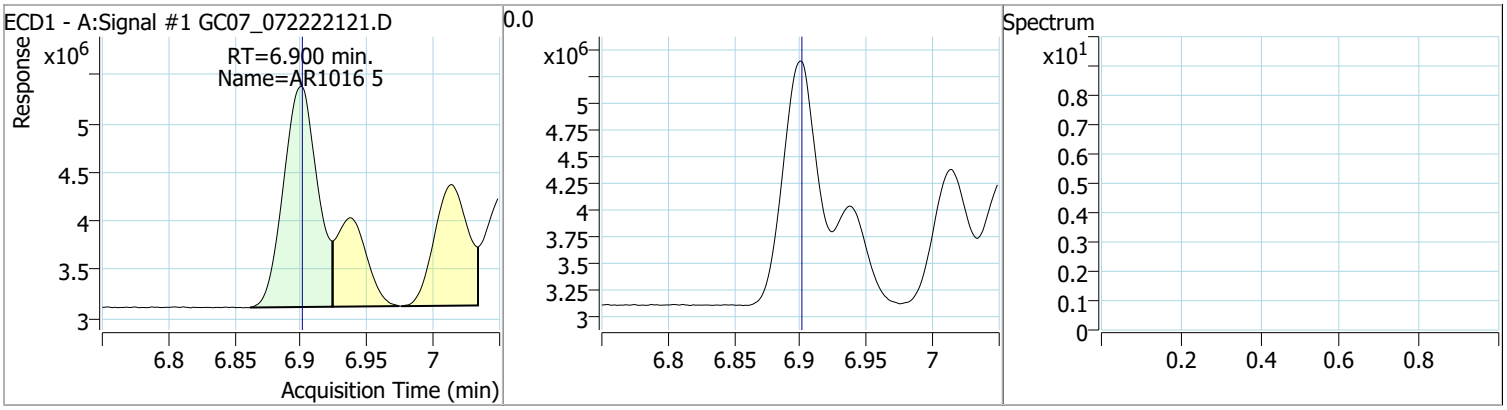
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	571.5924	6.42	0.00	4504548				



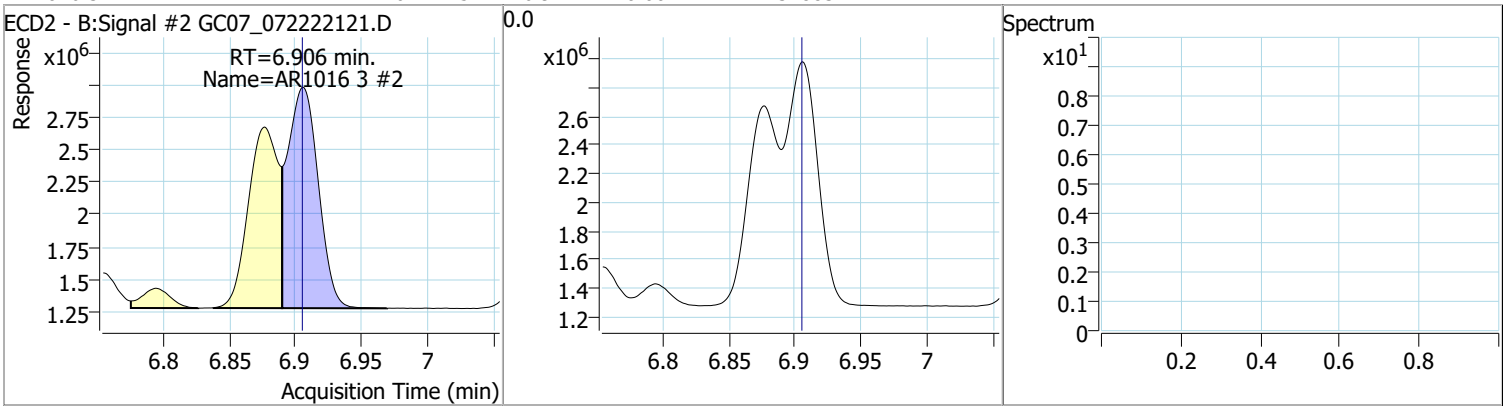




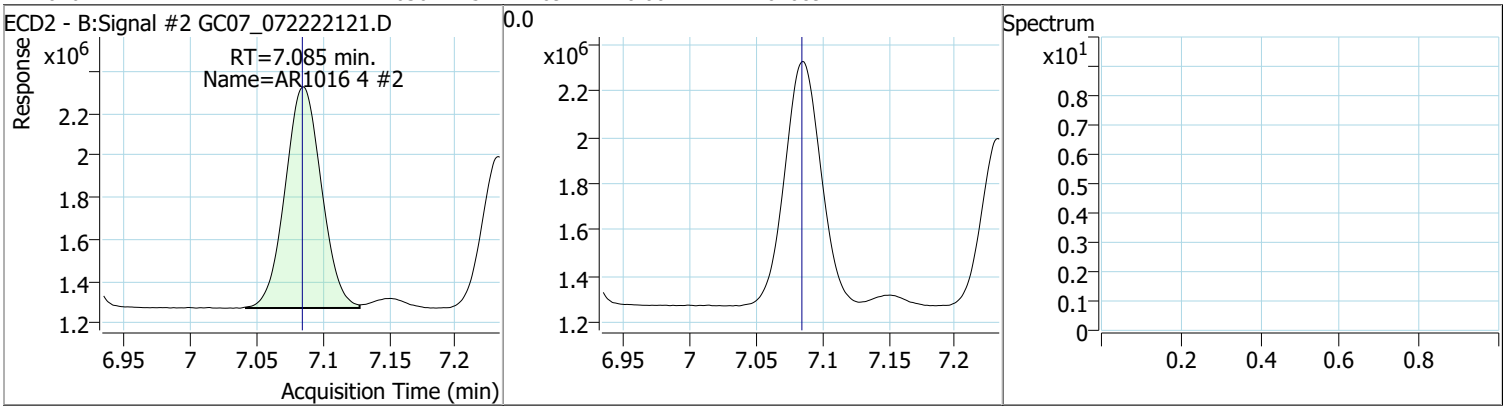
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	603.7633	6.90	0.00	4061473				



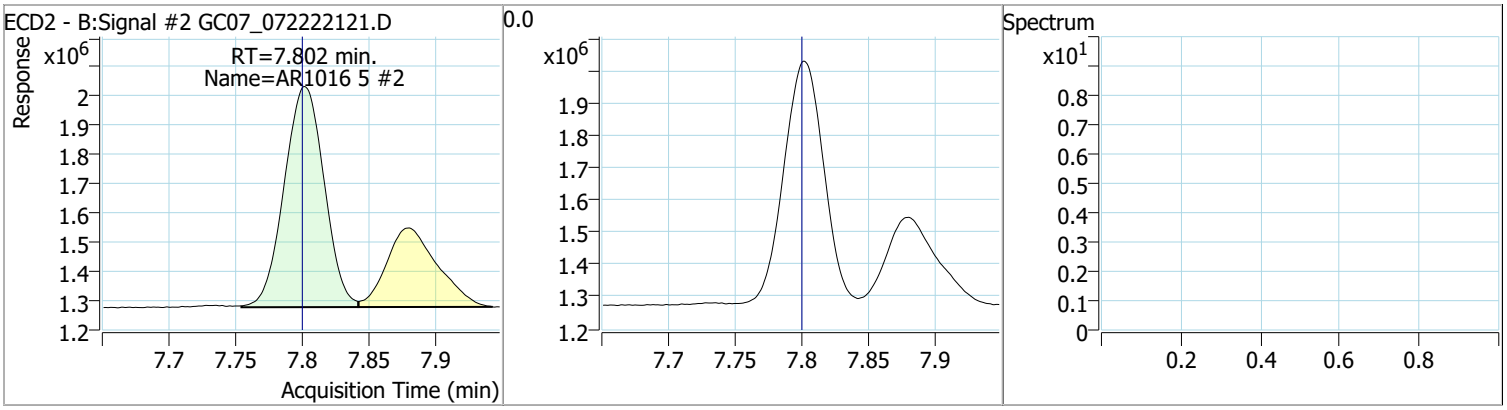
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	624.7157	6.91	0.00	2737883				



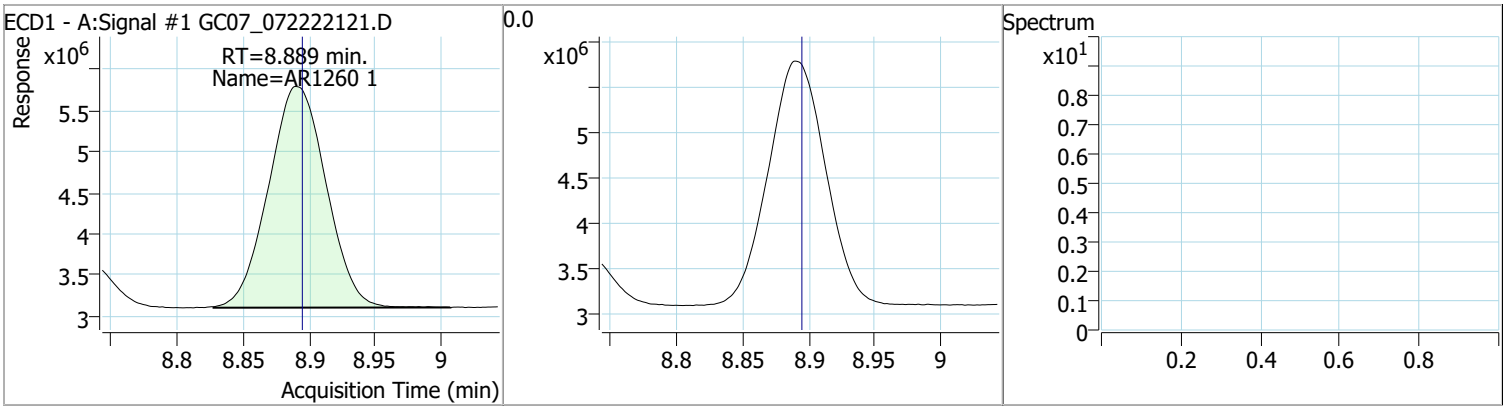
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	636.2475	7.09	0.00	2010894				



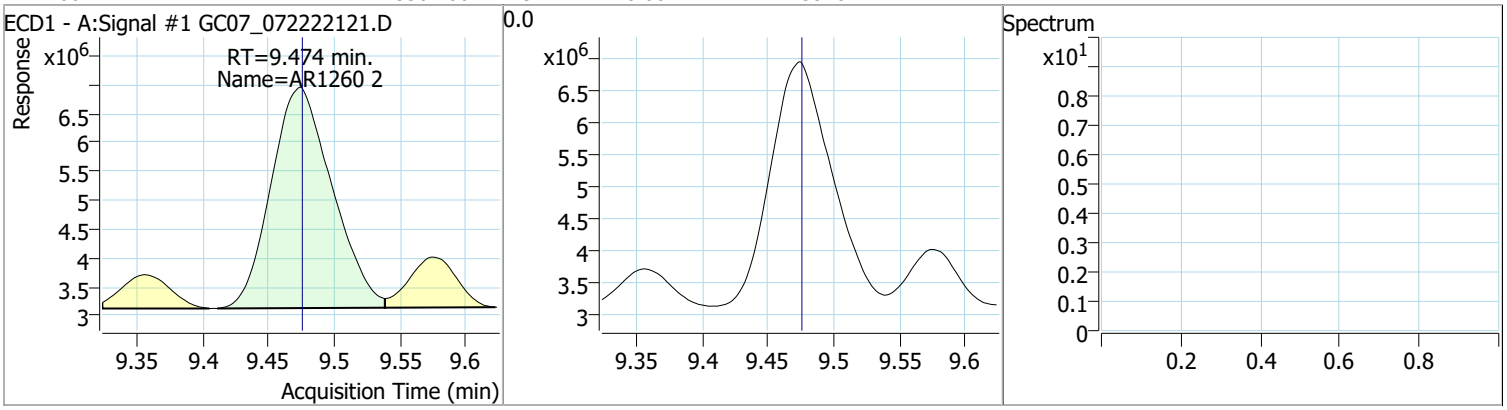
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	647.8628	7.80	0.00	1593940				



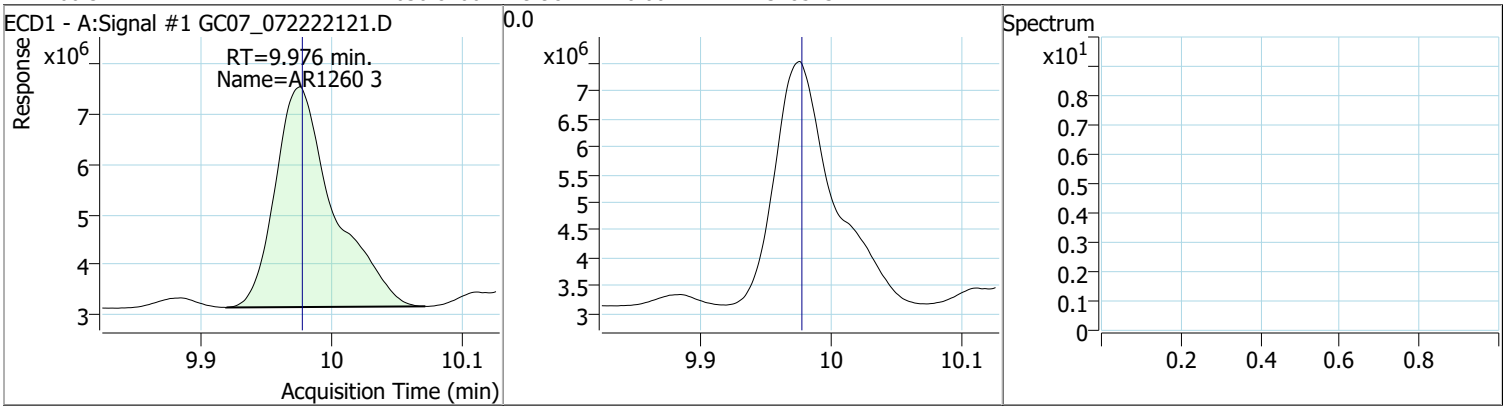
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	688.4841	8.89	0.00	8138863				



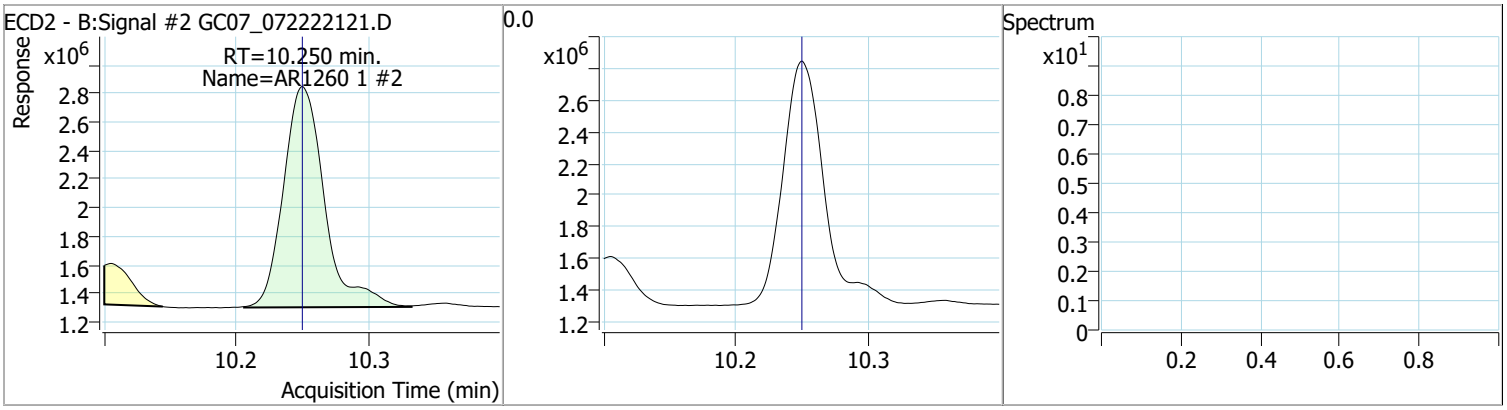
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	556.7007	9.47	0.00	12275528				



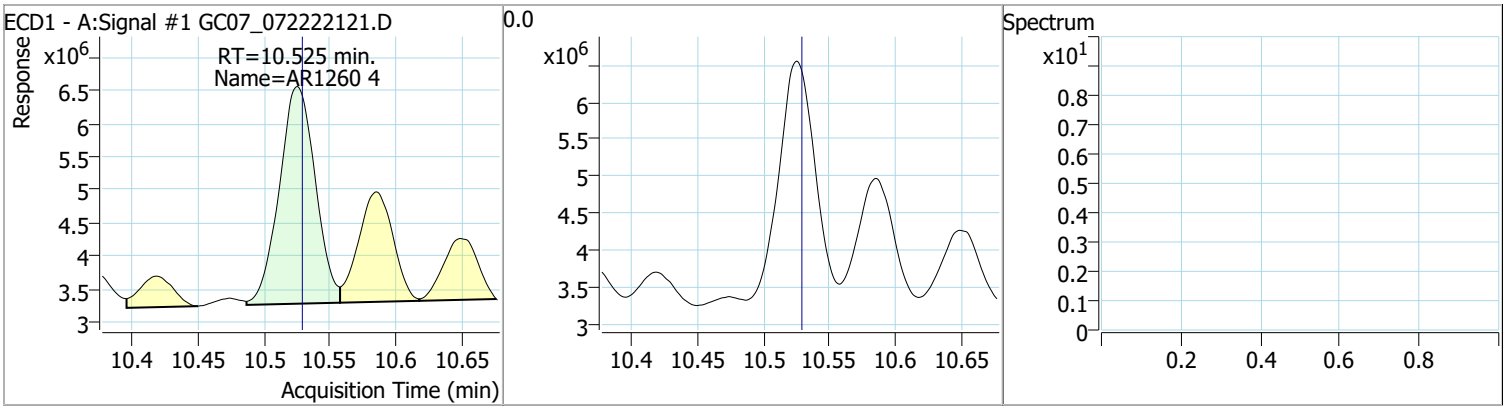
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	630.8106	9.98	0.00	13485134				



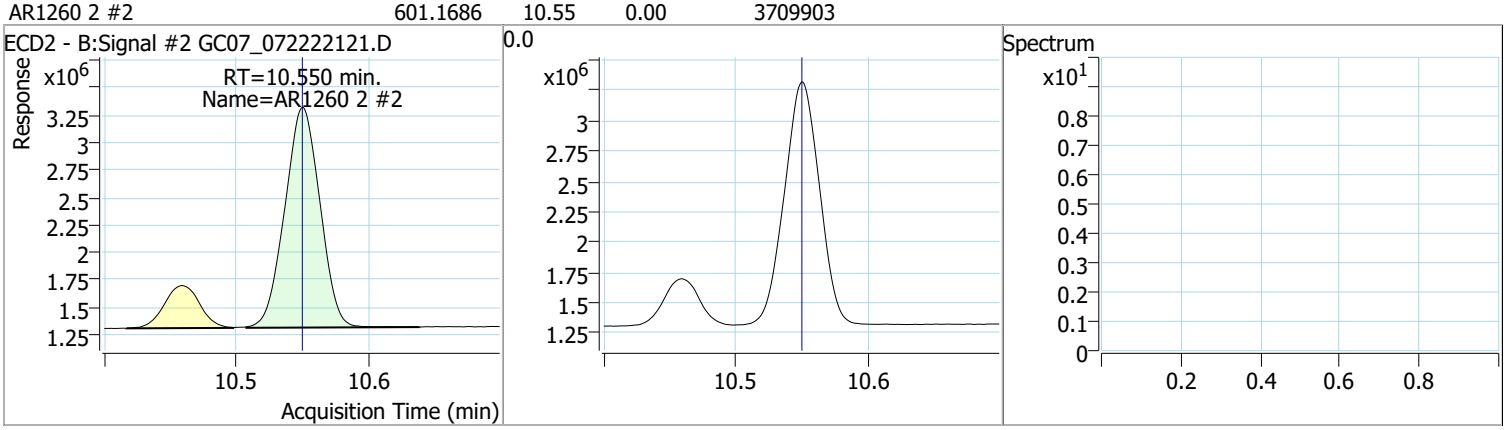
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	641.0944	10.25	0.00	3340935				



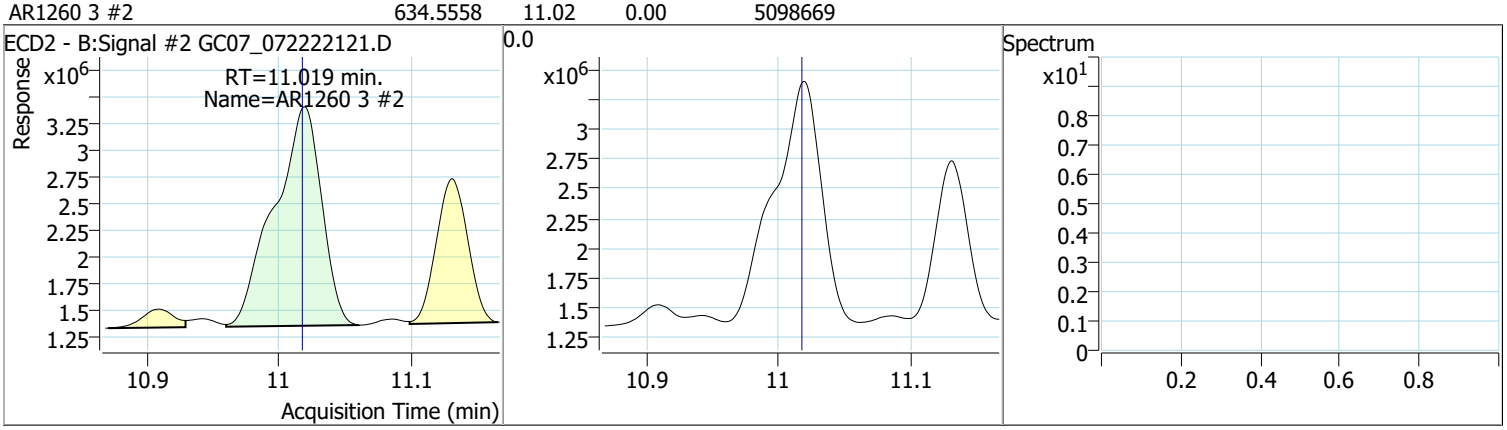
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	600.1661	10.53	0.00	6198420				



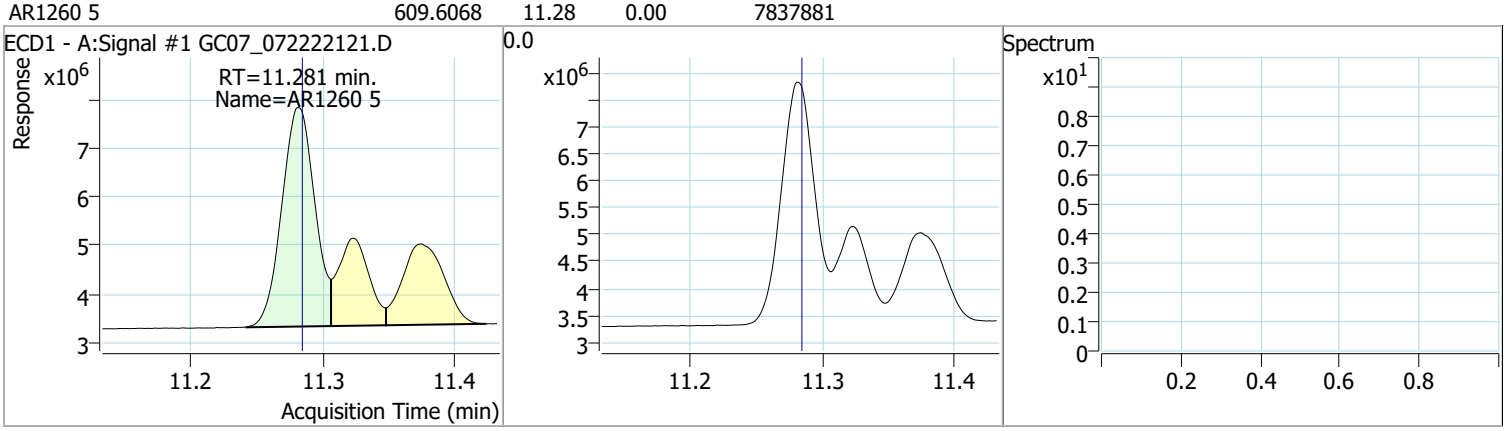
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	601.1686	10.55	0.00	3709903				



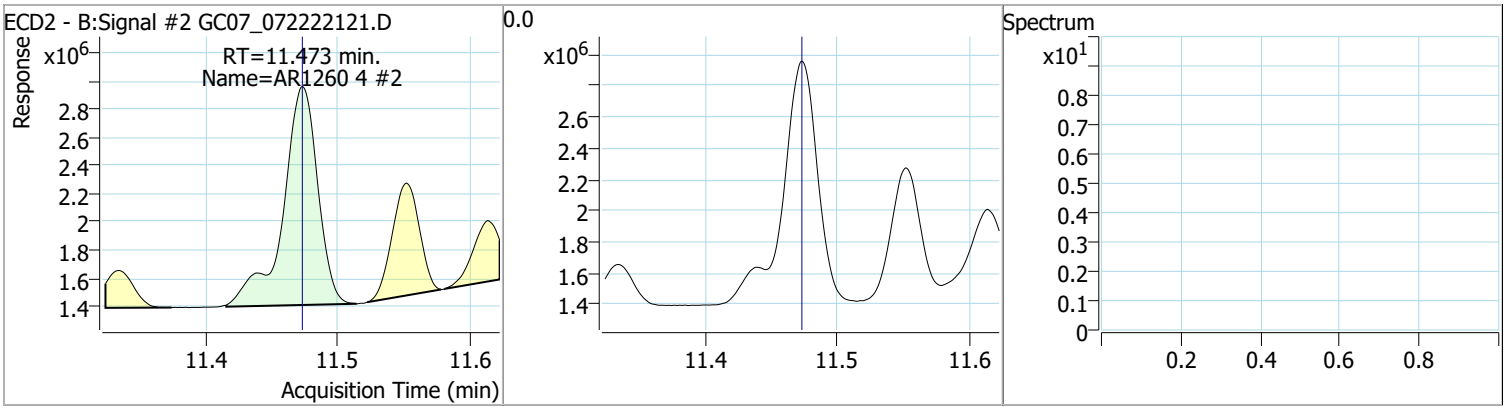
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	634.5558	11.02	0.00	5098669				



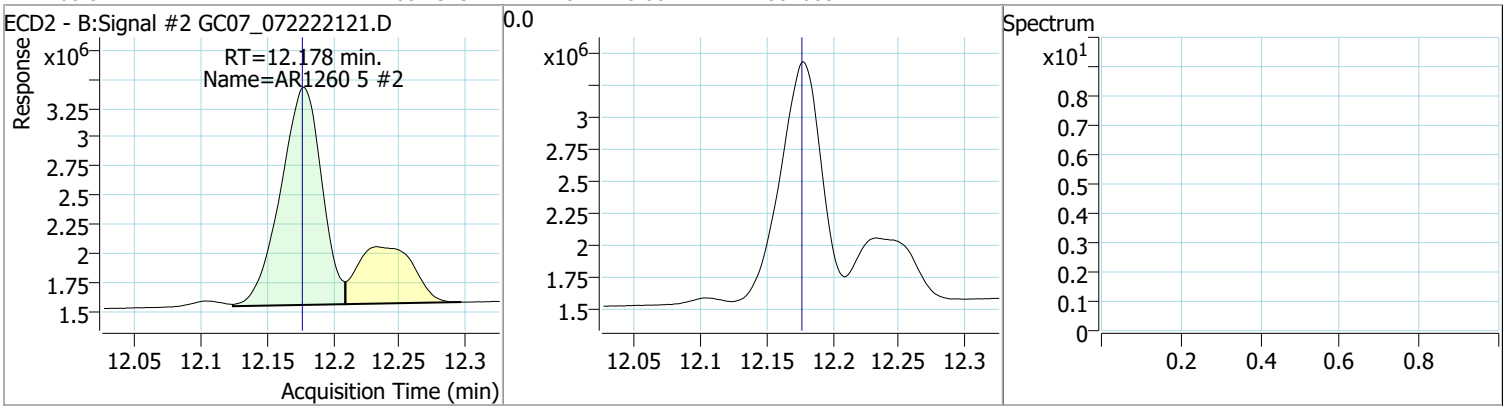
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	609.6068	11.28	0.00	7837881				



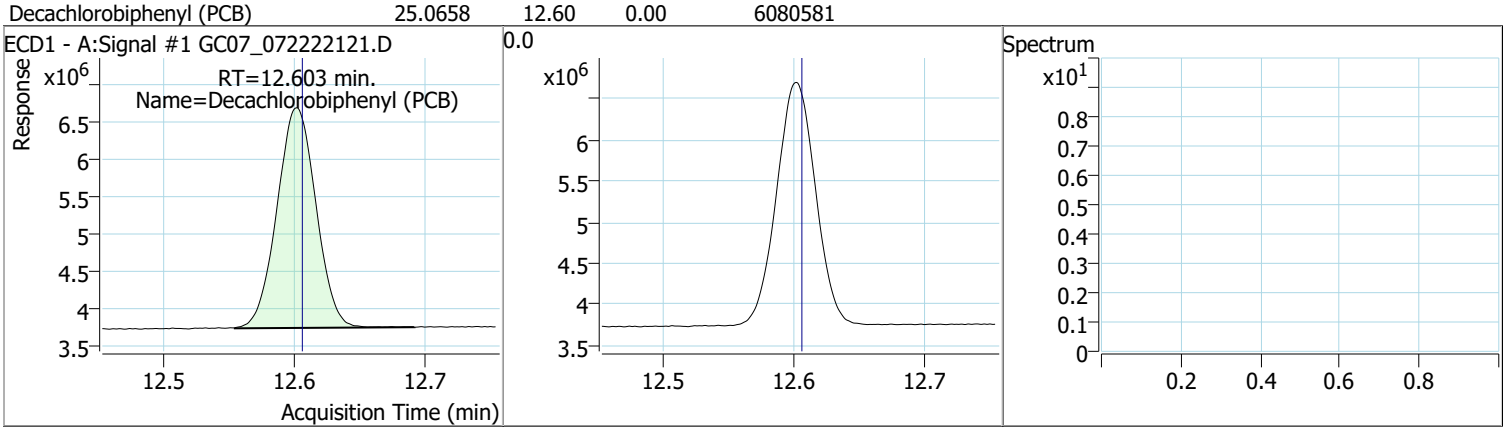
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	652.0008	11.47	0.00	2853042				



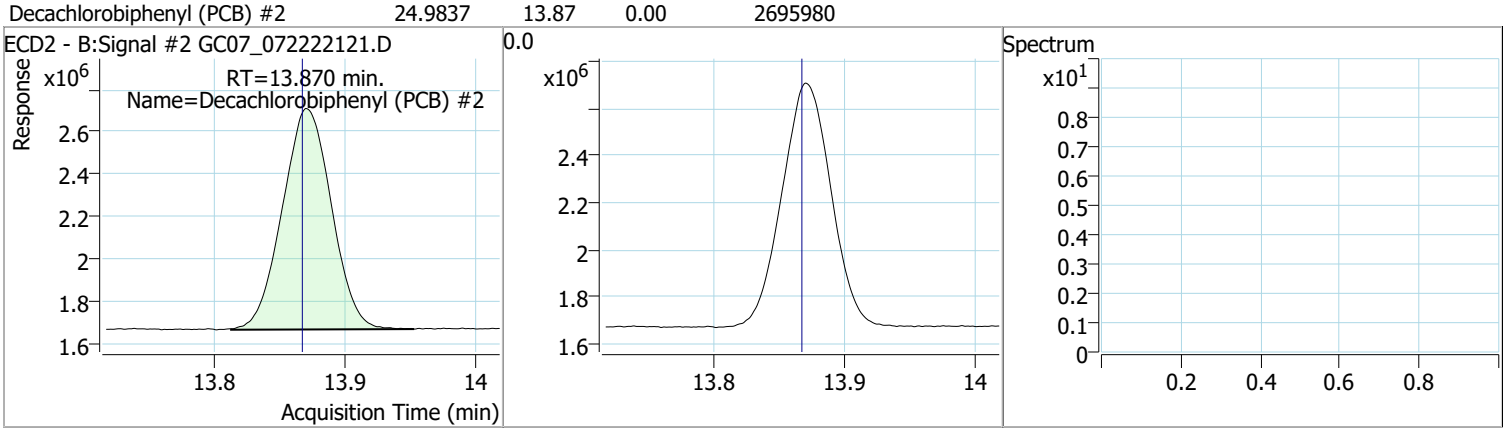
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	601.3432	12.18	0.00	4062605				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	25.0658	12.60	0.00	6080581				

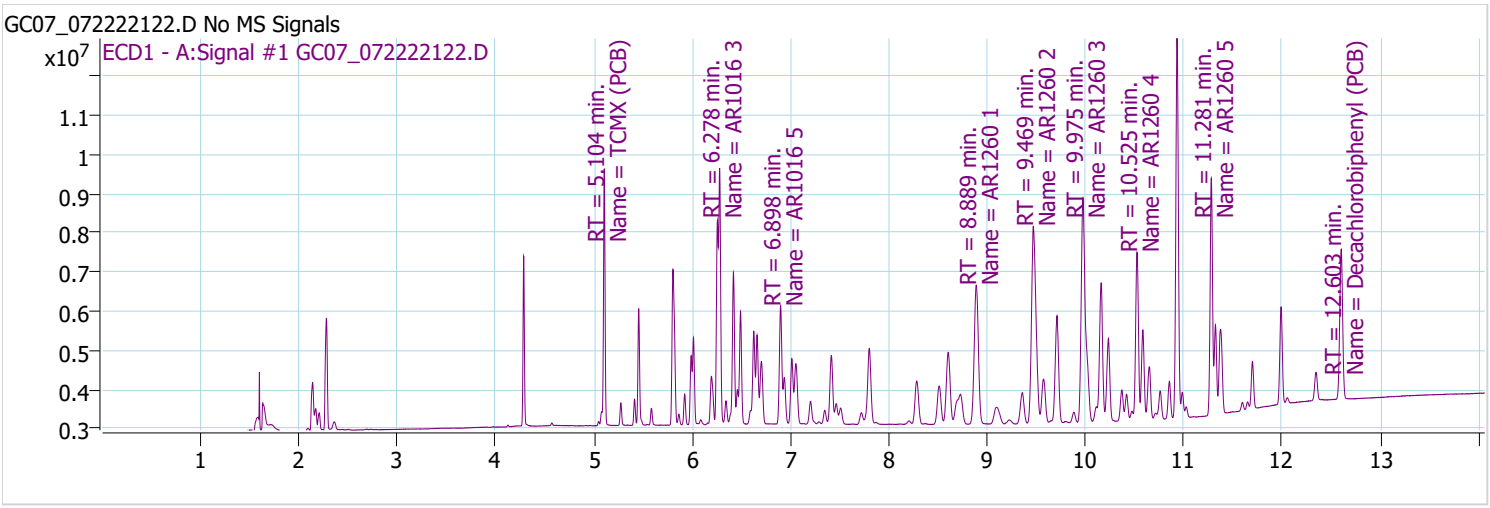


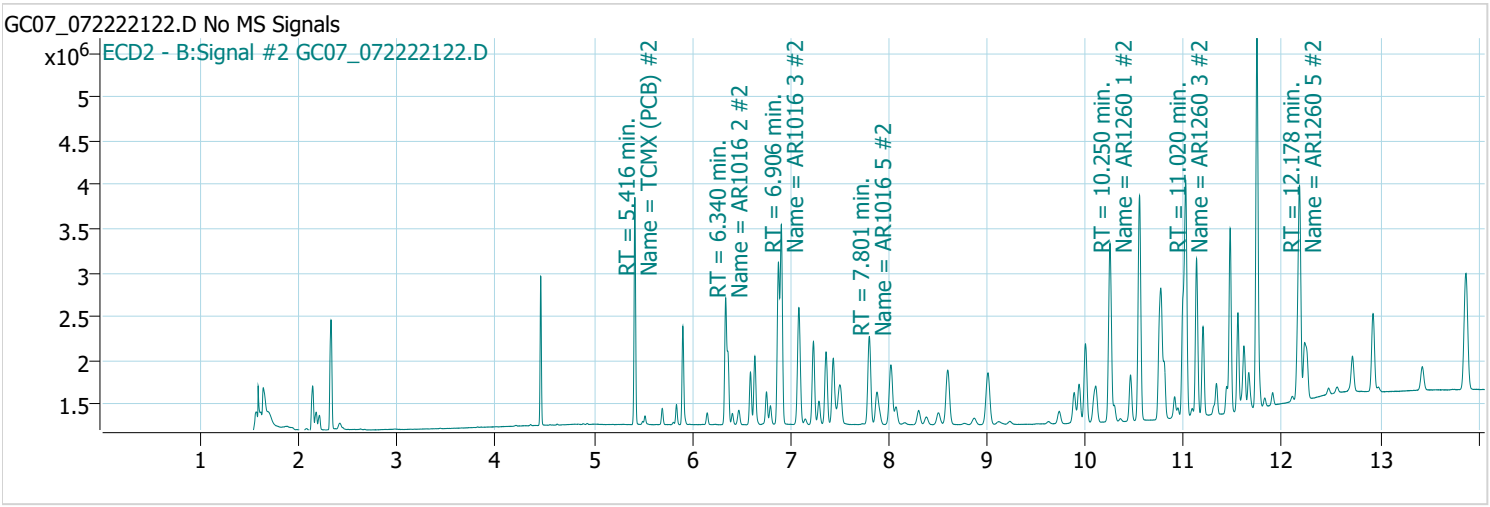
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	24.9837	13.87	0.00	2695980				



Quantitation Results Report (Not Reviewed)

Data File	GC07_072222122.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/22/2022 9:35:54 PM
Sample Name	ICAL,S16726, 2	Instrument	SVOA-GC07
Vial	87	Multiplier	1.00
DA Method File	PCB_608_072222_GC07_1.m	Comment	1000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	072222PCBICAL.batch.bin	Last Calib Update	7/23/2022 5:05:17 PM
Ref Library			



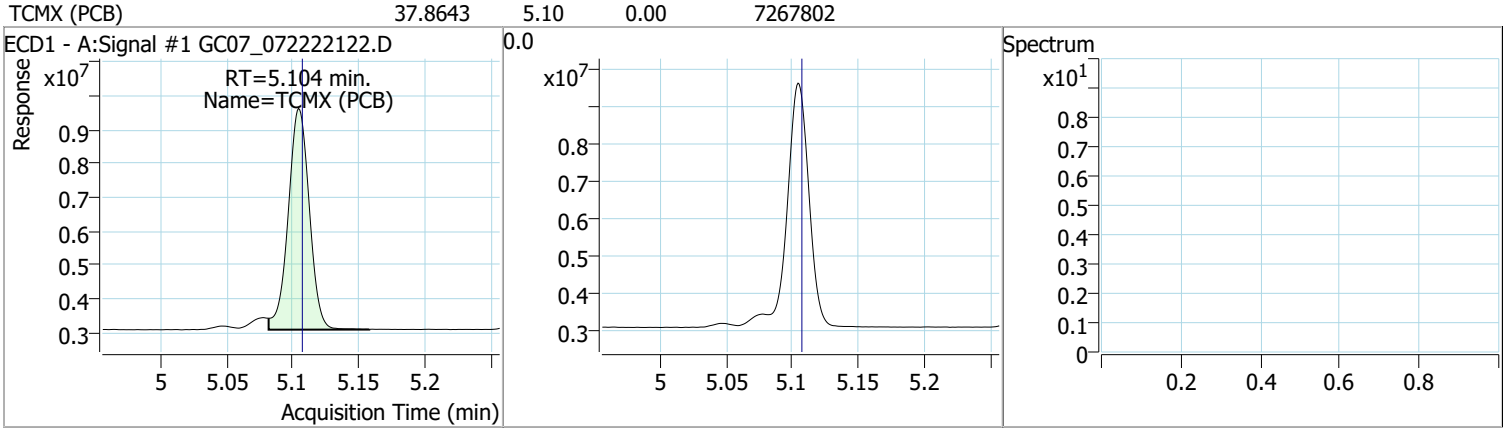


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.285	0.0	4264724.676	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.458	0.0	1501546.956	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.104	0.0	7267802.292	37.8643	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 189.32%		*	
S TCMX (PCB) #2	5.416	0.0	2776247.724	41.6246	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 208.12%		*	
S Decachlorobiphenyl (PCB)	12.603	0.0	7942927.942	38.3808	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 191.90%		*	
S Decachlorobiphenyl (PCB) #2	13.873	0.0	3483100.188	38.3527	ng/ml		0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 191.76%		*	
Target Compounds							QValue

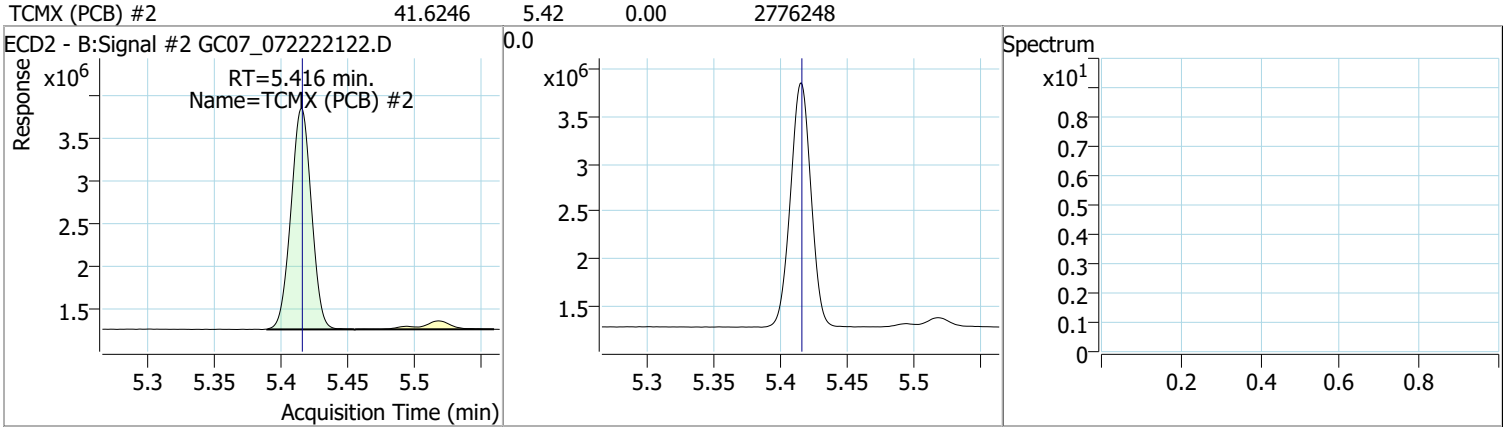
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.455	0.0	3608453.874	902.1025	ng/ml	100
T AR1016 2	5.803	0.0	7230338.592	1038.7380	ng/ml	100
T AR1016 1 #2	5.904	0.0	1418961.624	1016.0806	ng/ml	100
T AR1016 3	6.278	0.0	9013808.018	922.8409	ng/ml	100
T AR1016 2 #2	6.340	0.0	3037129.895	998.5275	ng/ml	100
T AR1016 4	6.418	0.0	5881645.424	874.8454	ng/ml	100
T AR1016 5	6.898	0.0	5259765.349	916.5301	ng/ml	100
T AR1016 3 #2	6.906	0.0	3679947.198	997.6983	ng/ml	100
T AR1016 4 #2	7.084	0.0	2660917.834	1000.3648	ng/ml	100
T AR1016 5 #2	7.801	0.0	2110301.816	1019.1680	ng/ml	100
T AR1260 1	8.889	0.0	10474386.567	1043.5552	ng/ml	100
T AR1260 2	9.469	0.0	15935683.083	847.1290	ng/ml	100
T AR1260 3	9.975	0.0	17625541.345	966.4591	ng/ml	100
T AR1260 1 #2	10.250	0.0	4378107.982	998.2300	ng/ml	100
T AR1260 4	10.525	0.0	8106207.583	920.0373	ng/ml	100
T AR1260 2 #2	10.551	0.0	4866804.093	937.0606	ng/ml	100
T AR1260 3 #2	11.020	0.0	6703328.159	991.2738	ng/ml	100
T AR1260 5	11.281	0.0	10289191.588	938.0580	ng/ml	100
T AR1260 4 #2	11.473	0.0	3720274.639	1010.1948	ng/ml	100
T AR1260 5 #2	12.178	0.0	5308658.116	933.6685	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

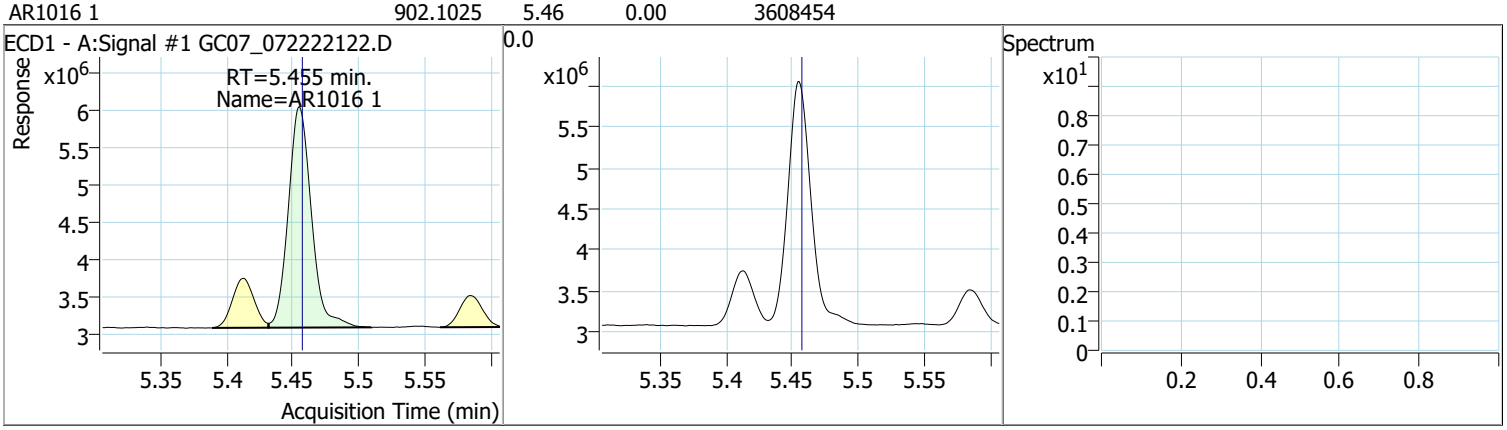
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.8643	5.10	0.00	7267802				



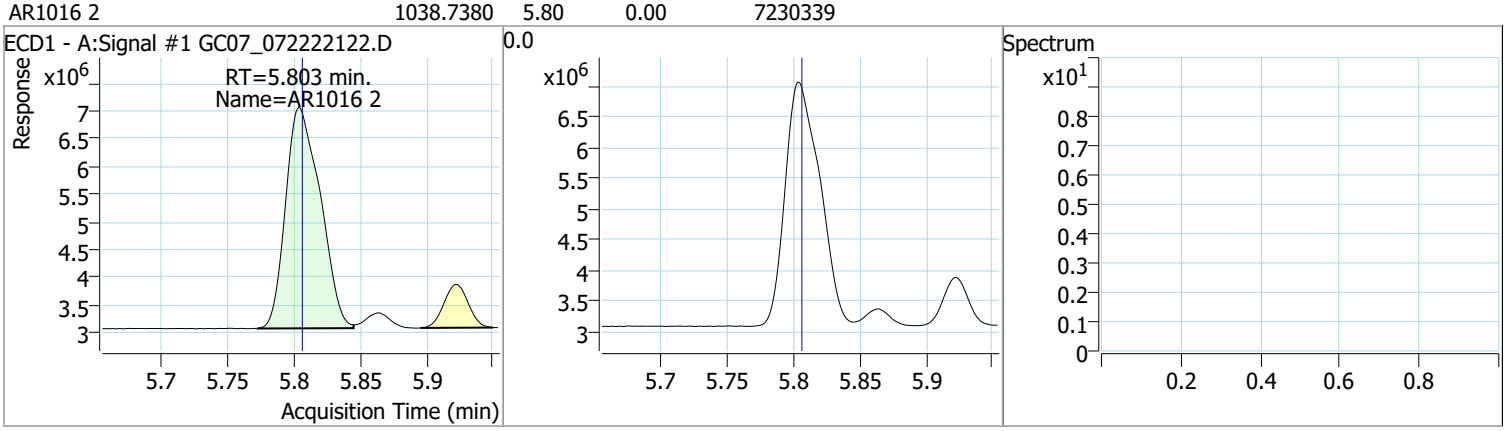
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	41.6246	5.42	0.00	2776248				



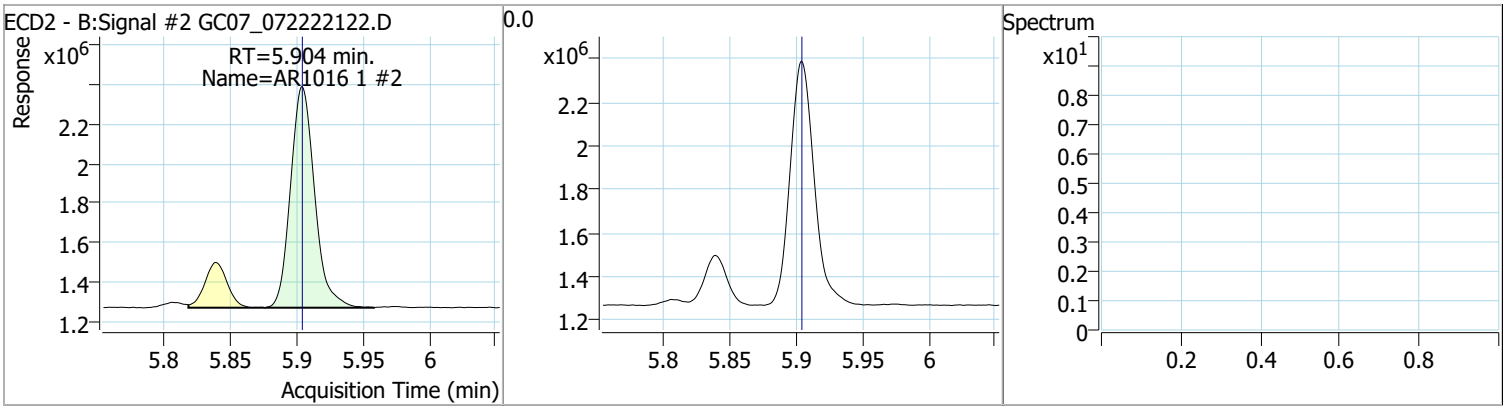
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	902.1025	5.46	0.00	3608454				



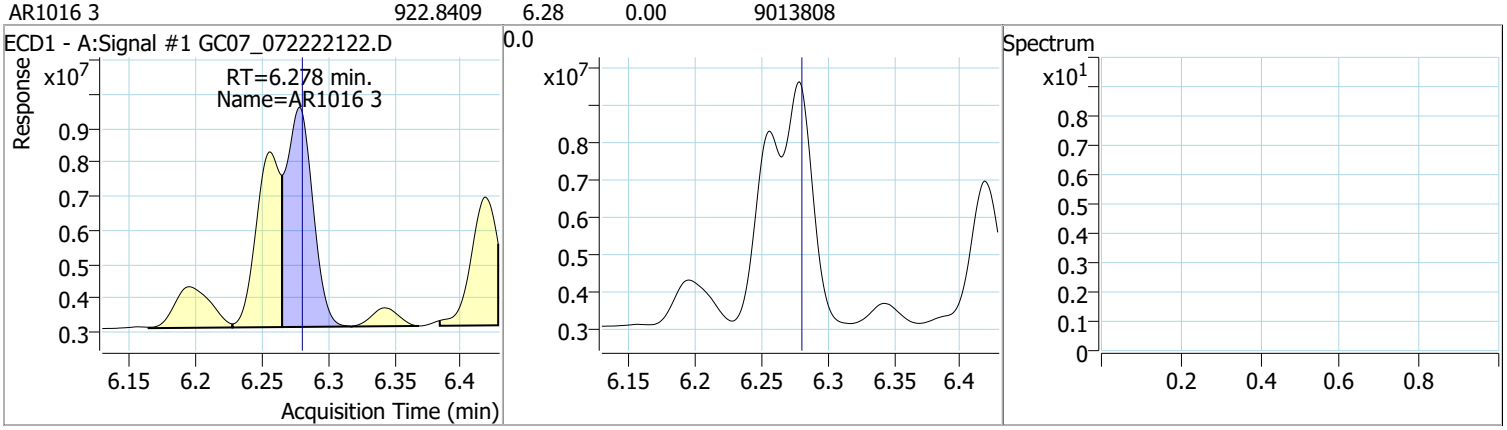
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1038.7380	5.80	0.00	7230339				



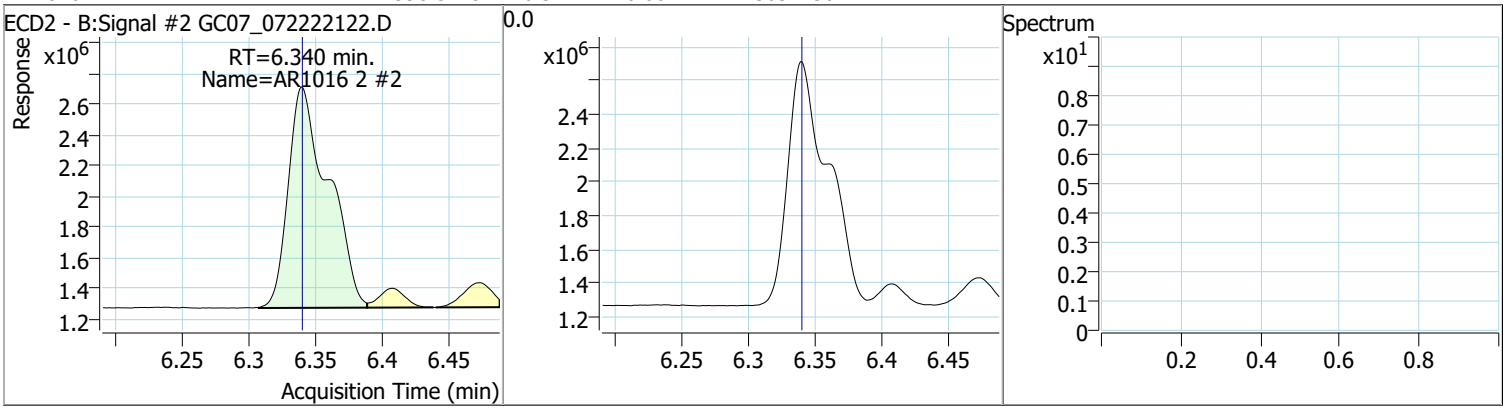
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1016.0806	5.90	0.00	1418962				



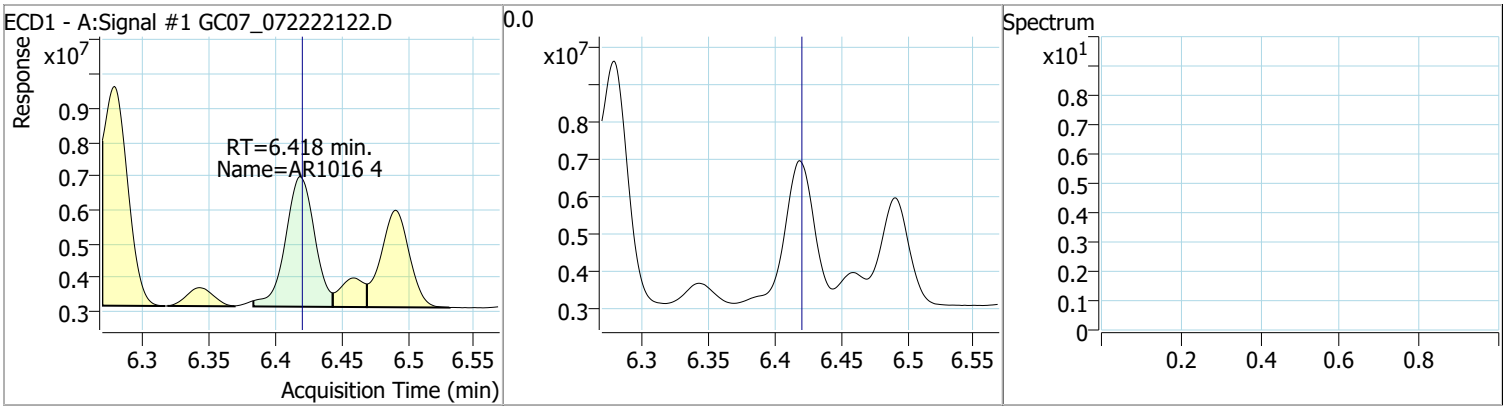
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	922.8409	6.28	0.00	9013808				



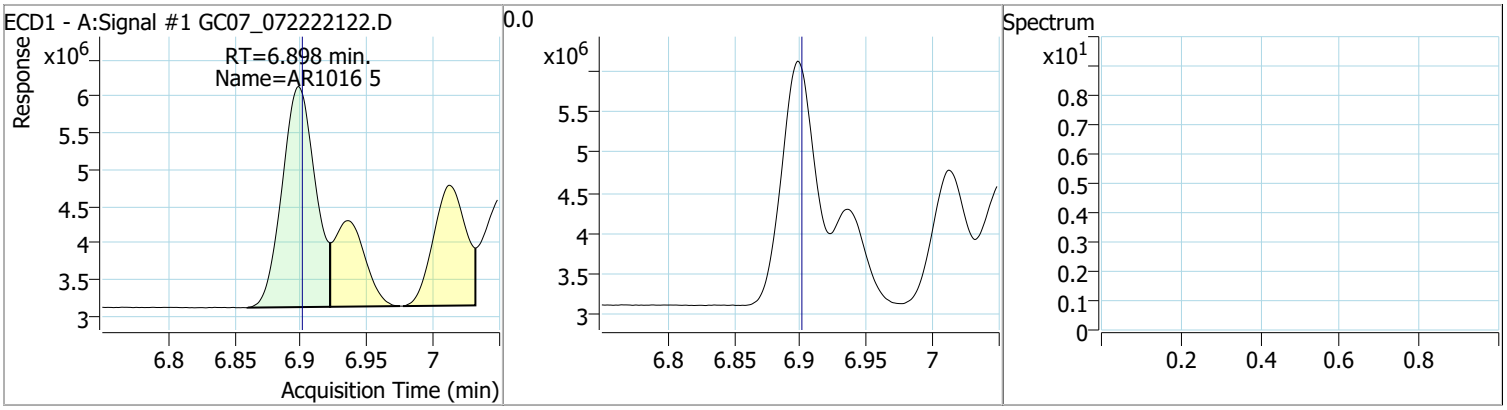
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	998.5275	6.34	0.00	3037130				



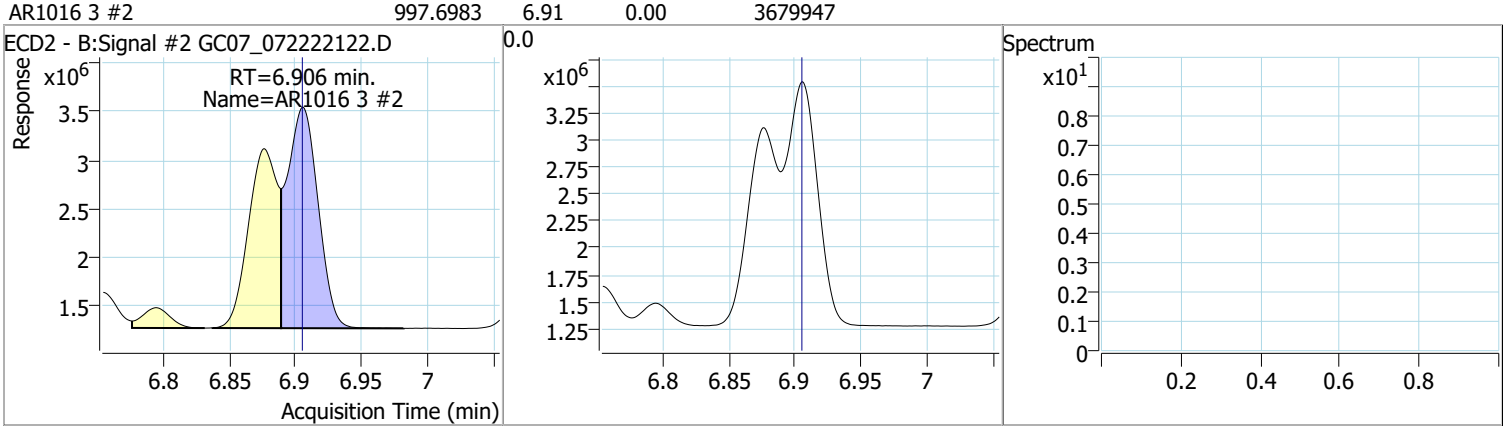
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	874.8454	6.42	0.00	5881645				



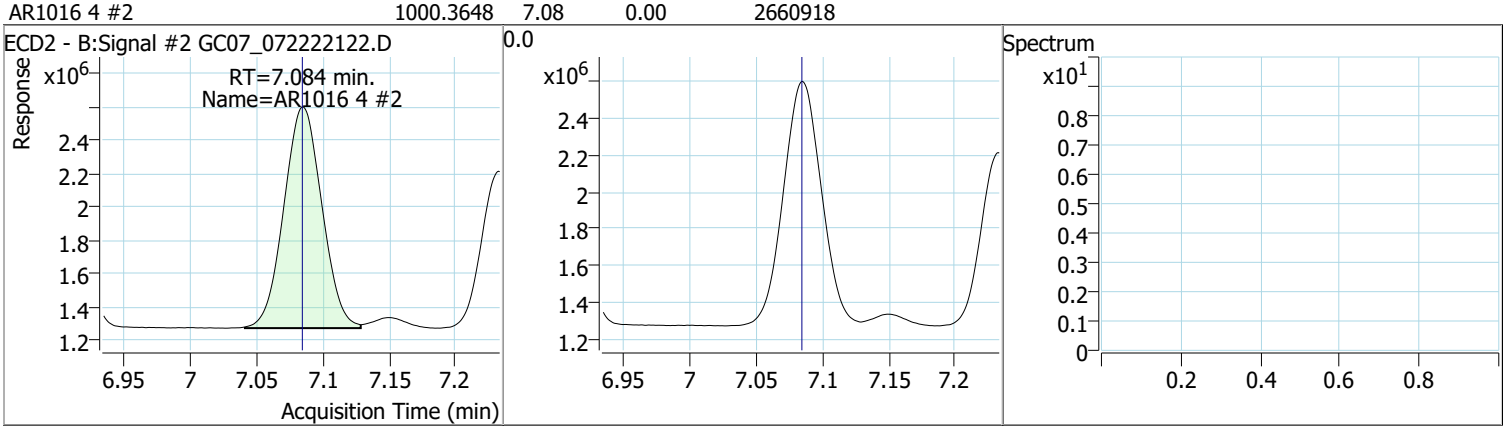
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	916.5301	6.90	0.00	5259765				



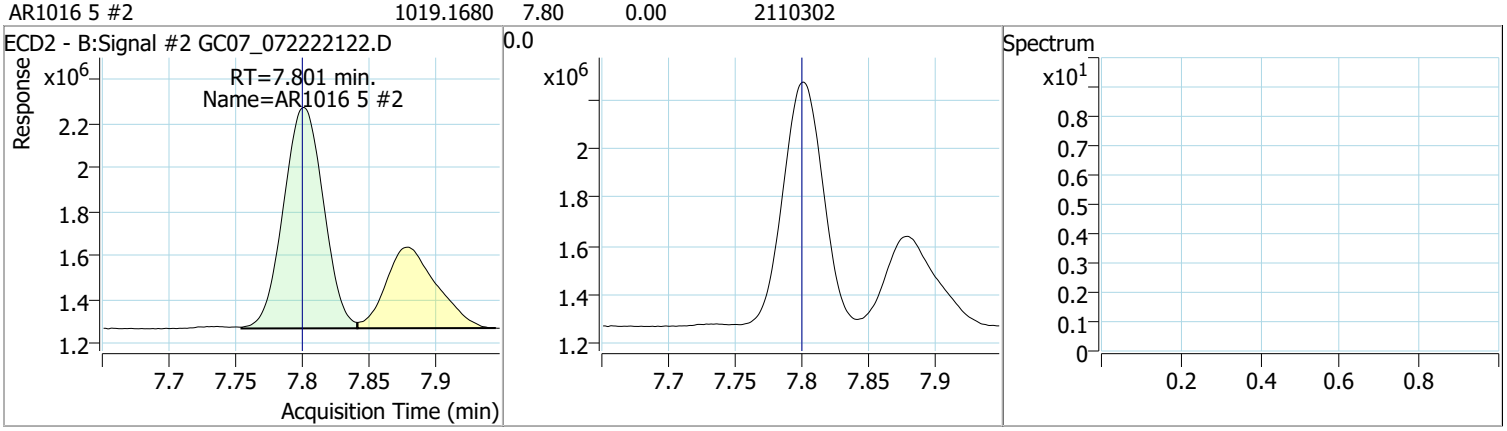
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	997.6983	6.91	0.00	3679947				



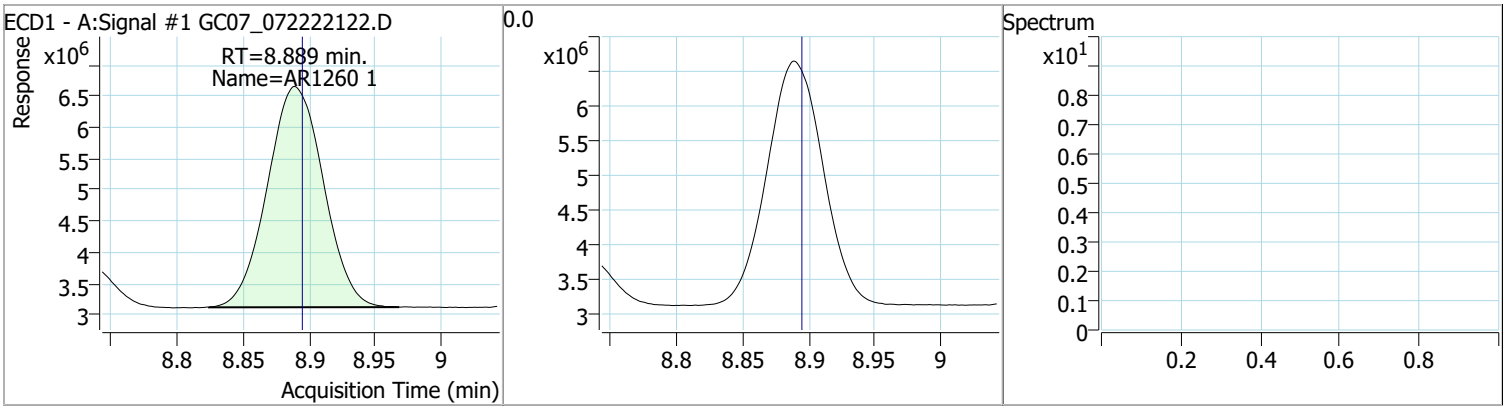
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1000.3648	7.08	0.00	2660918				



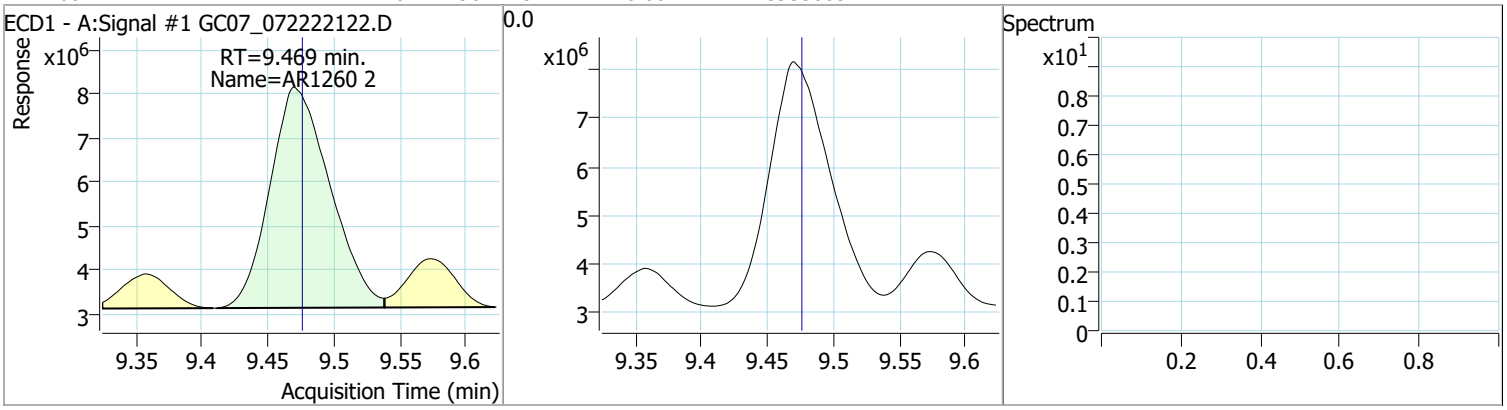
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1019.1680	7.80	0.00	2110302				



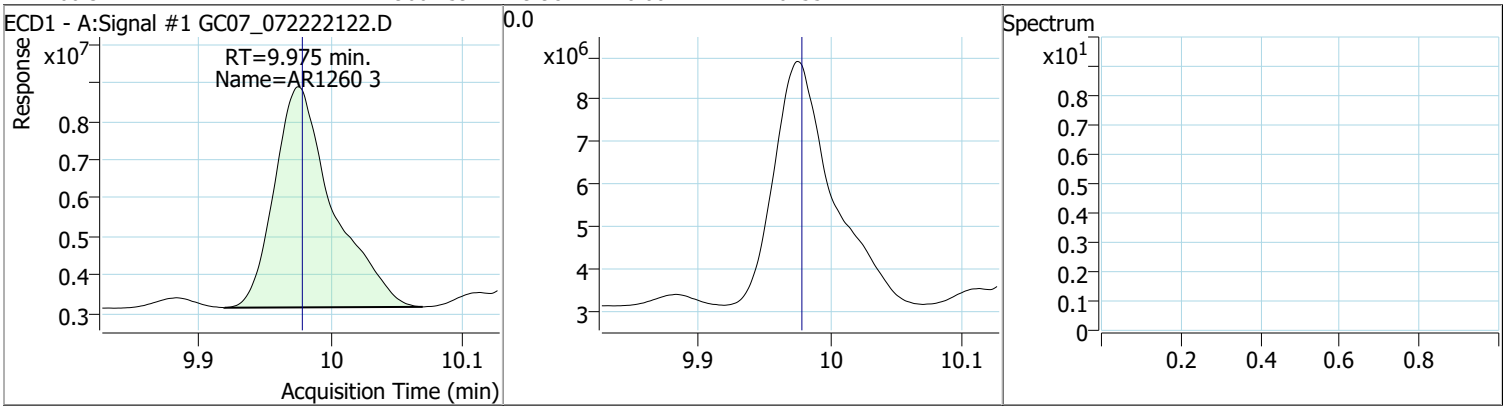
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1043.5552	8.89	0.00	10474387				



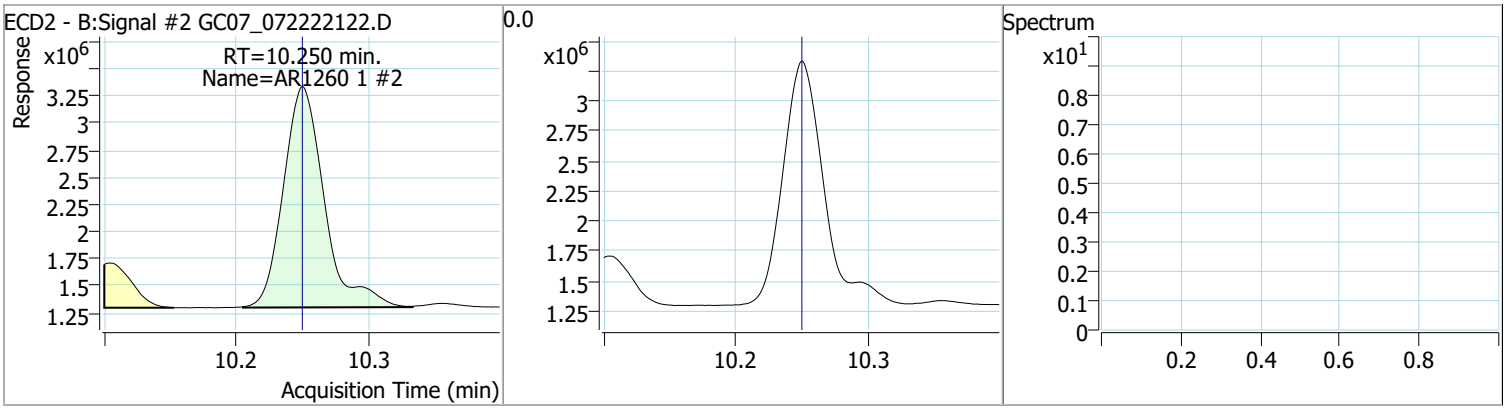
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	847.1290	9.47	0.00	15935683				



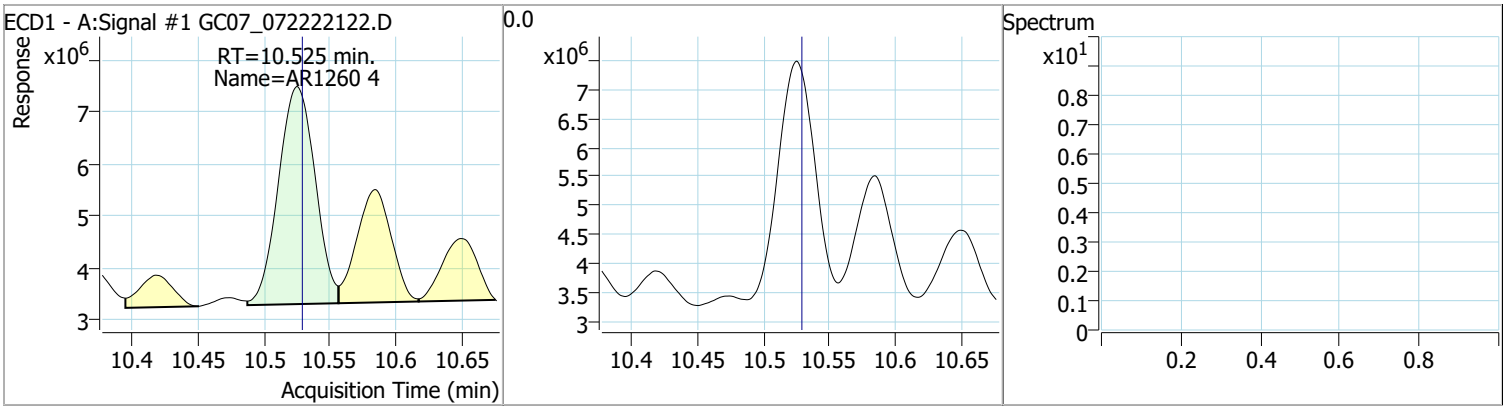
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	966.4591	9.98	0.00	17625541				



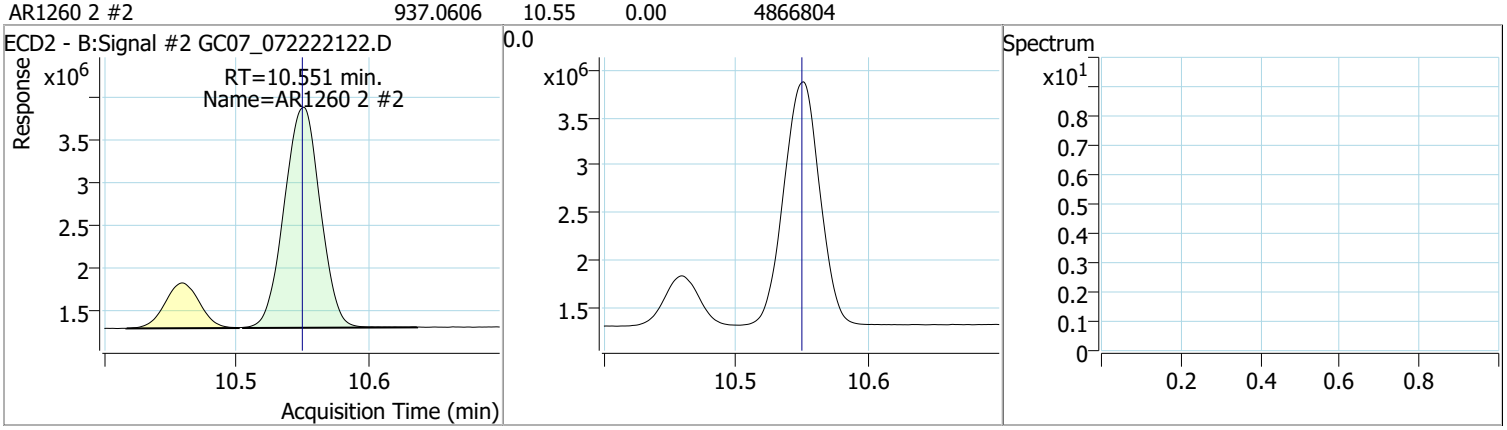
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	998.2300	10.25	0.00	4378108				



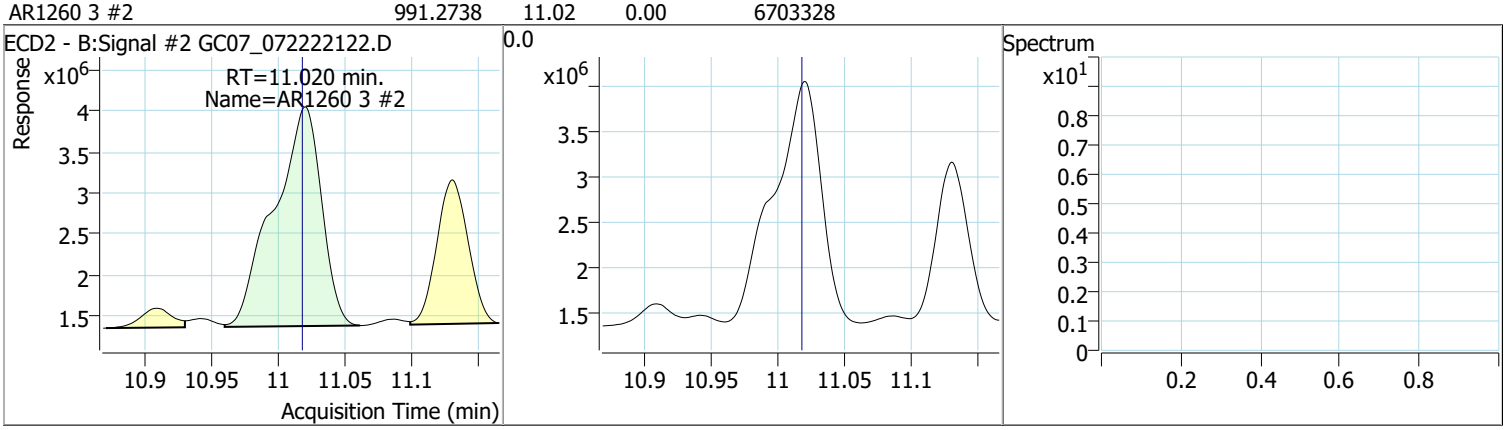
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	920.0373	10.53	0.00	8106208				



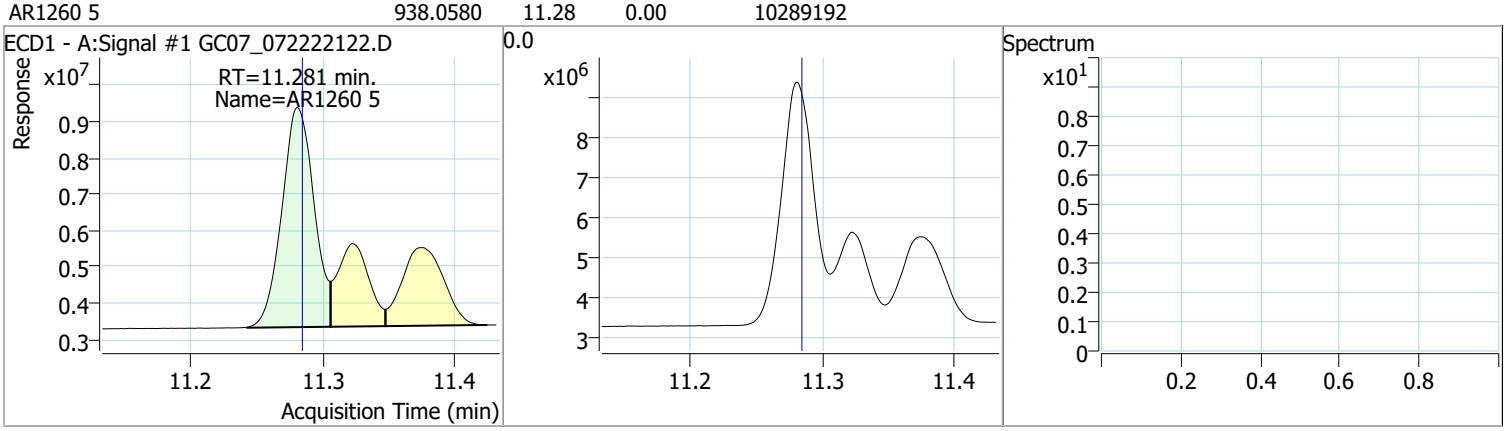
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	937.0606	10.55	0.00	4866804				



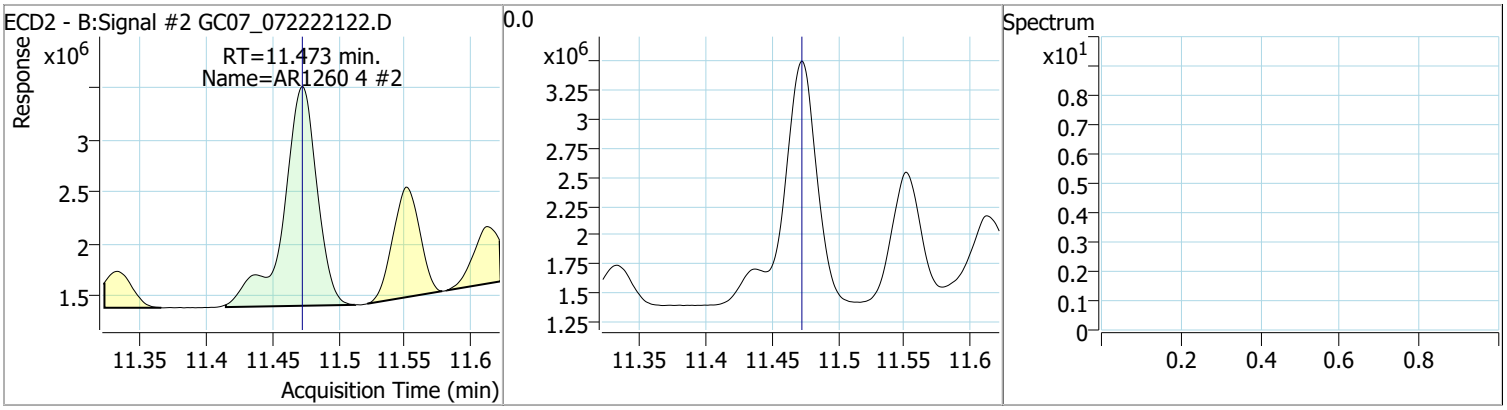
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	991.2738	11.02	0.00	6703328				



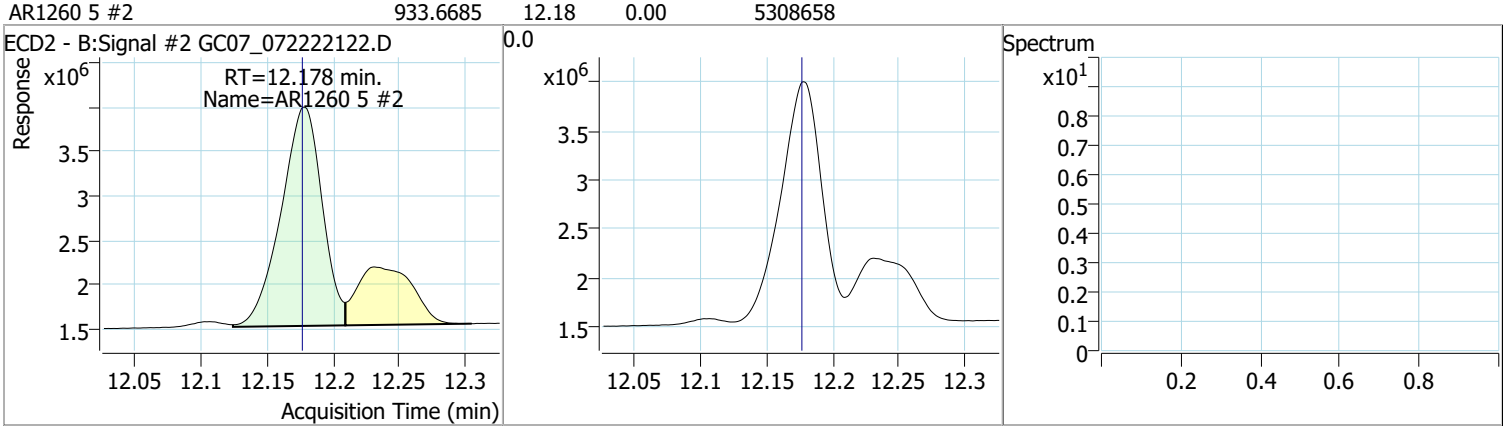
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	938.0580	11.28	0.00	10289192				



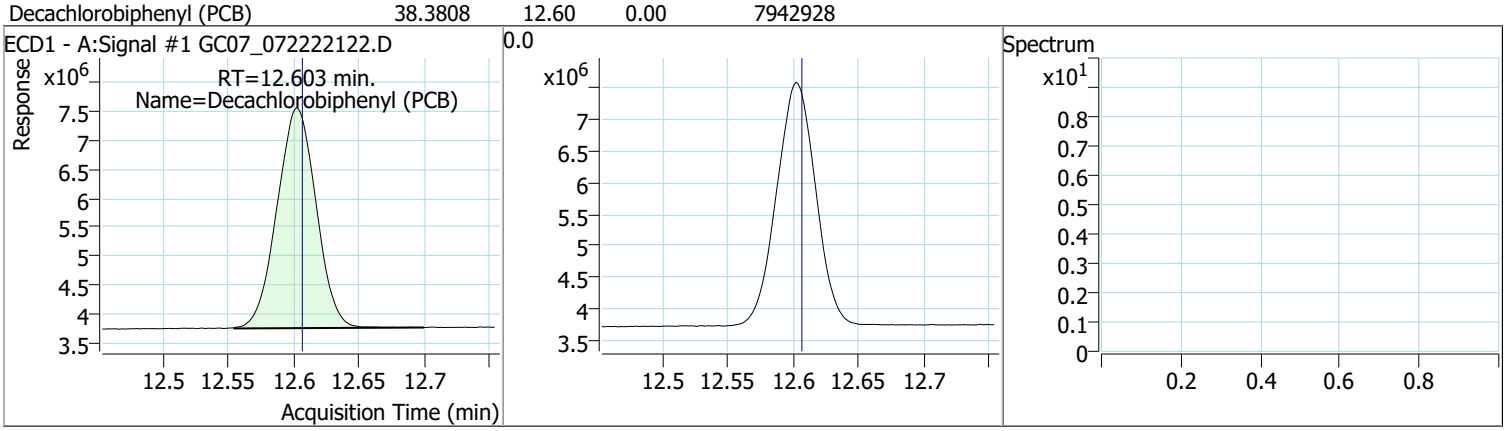
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1010.1948	11.47	0.00	3720275				



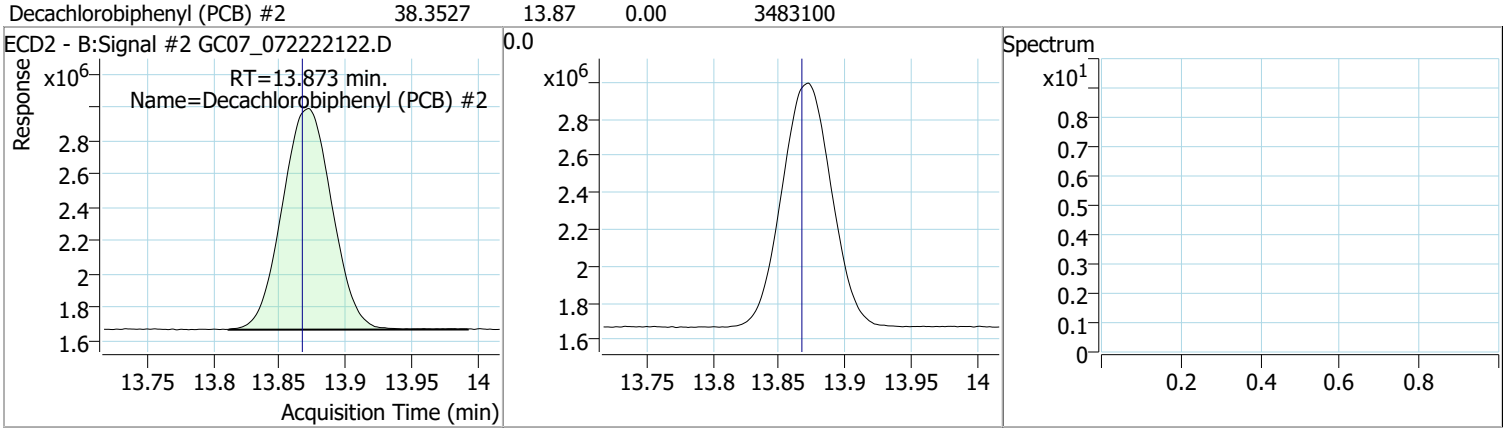
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	933.6685	12.18	0.00	5308658				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	38.3808	12.60	0.00	7942928				

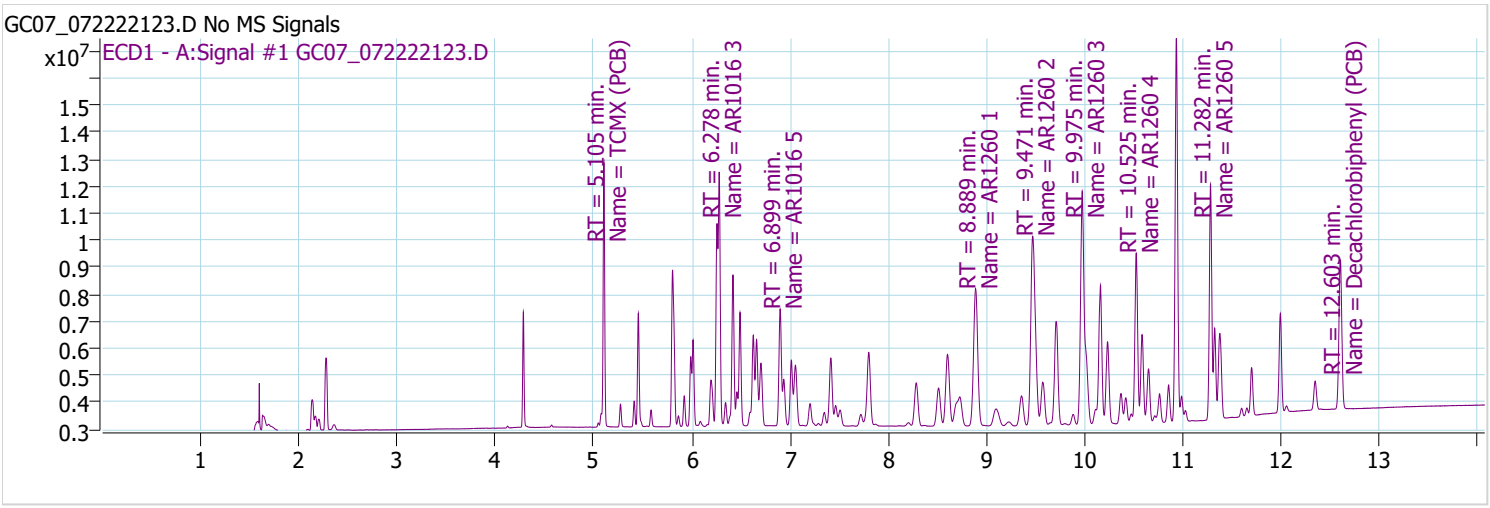


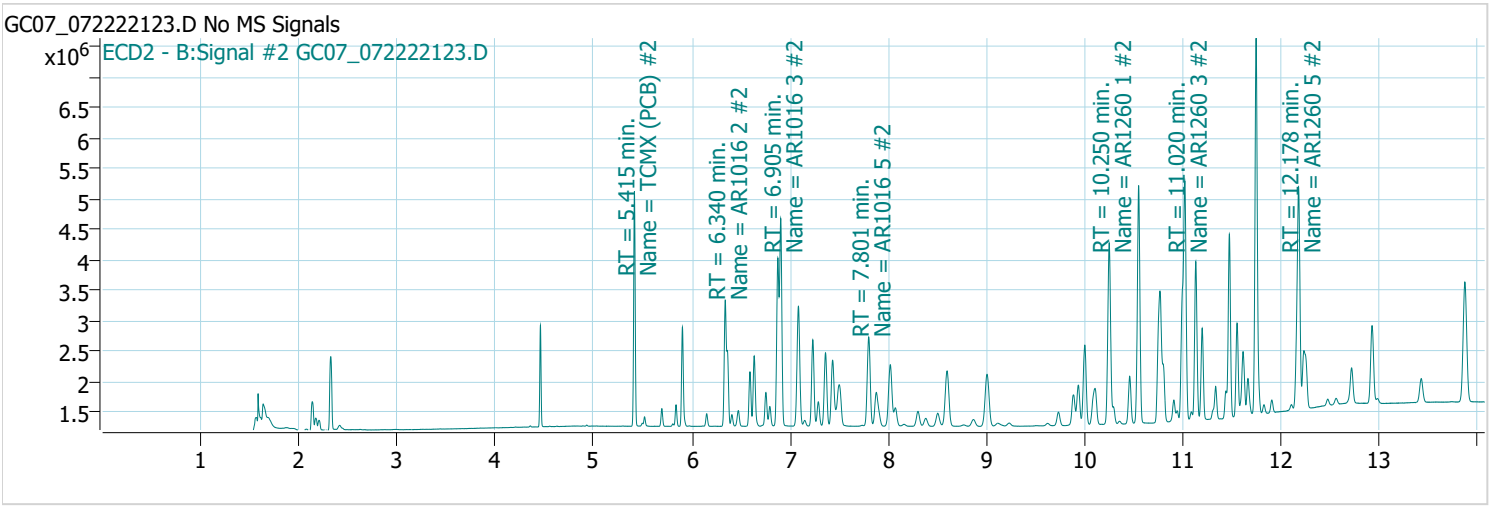
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	38.3527	13.87	0.00	3483100				



Quantitation Results Report (Not Reviewed)

Data File	GC07_072222123.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/22/2022 9:53:23 PM
Sample Name	ICAL, S16726, 1.33	Instrument	SVOA-GC07
Vial	88	Multiplier	1.00
DA Method File	PCB_608_072222_GC07_1.m	Comment	1500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	072222PCBICAL.batch.bin	Last Calib Update	7/23/2022 5:05:17 PM
Ref Library			



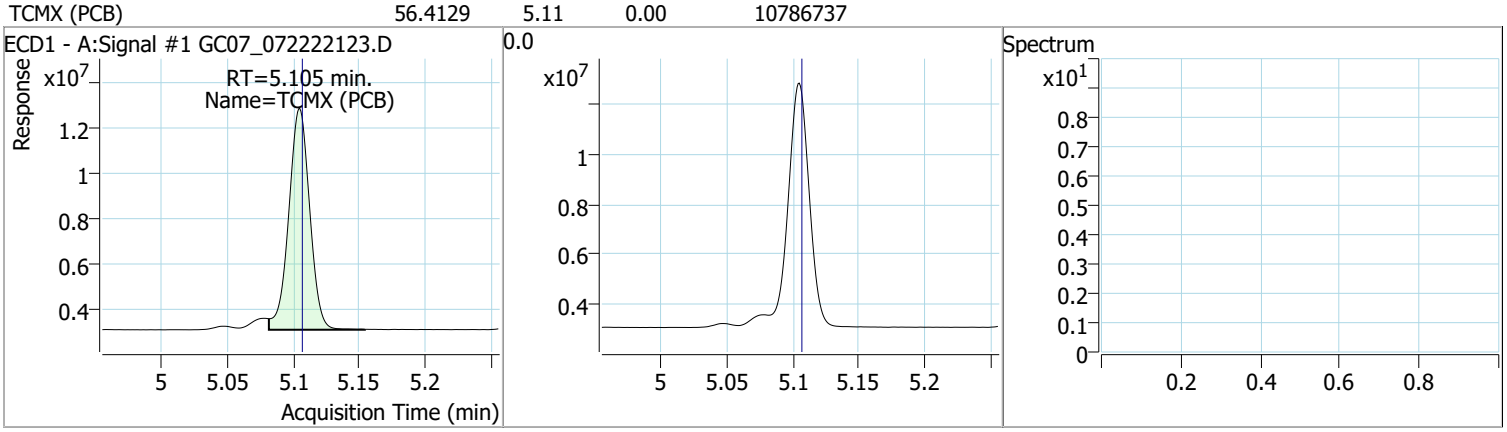


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.285	0.0	4248436.813	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.458	0.0	1481517.087	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.105	0.0	10786736.738	56.4129	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 282.06%		*	
S TCMX (PCB) #2	5.415	0.0	4204196.065	63.8862	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 319.43%		*	
S Decachlorobiphenyl (PCB)	12.603	0.0	11608537.599	56.3083	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 281.54%		*	
S Decachlorobiphenyl (PCB) #2	13.872	0.0	5069573.489	56.5761	ng/ml		0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 282.88%		*	
Target Compounds							QValue

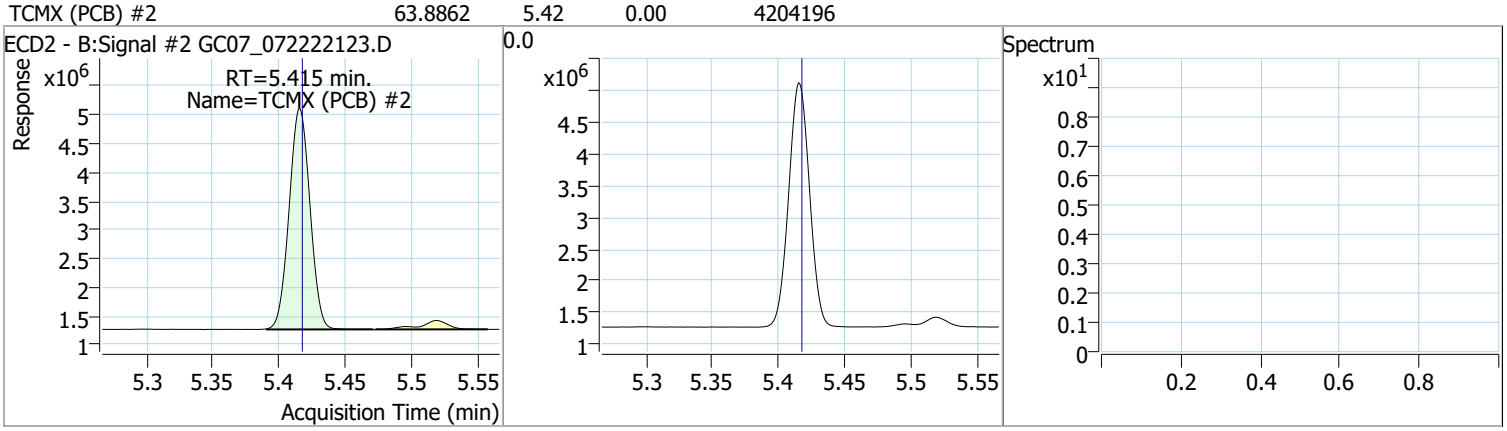
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.455	0.0	5219037.305	1309.7457	ng/ml	100
T AR1016 2	5.804	0.0	10392281.276	1513.6178	ng/ml	100
T AR1016 1 #2	5.904	0.0	2068737.856	1501.3959	ng/ml	100
T AR1016 3	6.278	0.0	13216614.155	1358.3153	ng/ml	100
T AR1016 2 #2	6.340	0.0	4426025.843	1474.8331	ng/ml	100
T AR1016 4	6.419	0.0	8522478.711	1272.5072	ng/ml	100
T AR1016 5	6.899	0.0	7599445.981	1329.3034	ng/ml	100
T AR1016 3 #2	6.905	0.0	5475892.608	1504.6823	ng/ml	100
T AR1016 4 #2	7.085	0.0	3860273.497	1470.8801	ng/ml	100
T AR1016 5 #2	7.801	0.0	3108774.676	1521.6778	ng/ml	100
T AR1260 1	8.889	0.0	15057326.923	1495.3539	ng/ml	100
T AR1260 2	9.471	0.0	22714469.264	1212.1135	ng/ml	100
T AR1260 3	9.975	0.0	25299423.814	1392.5586	ng/ml	100
T AR1260 1 #2	10.250	0.0	6389969.131	1476.6417	ng/ml	100
T AR1260 4	10.525	0.0	11600667.143	1321.6989	ng/ml	100
T AR1260 2 #2	10.549	0.0	7028008.156	1371.4763	ng/ml	100
T AR1260 3 #2	11.020	0.0	9803717.100	1469.3530	ng/ml	100
T AR1260 5	11.282	0.0	14982465.354	1371.1772	ng/ml	100
T AR1260 4 #2	11.473	0.0	5424944.740	1492.9928	ng/ml	100
T AR1260 5 #2	12.178	0.0	7768355.650	1384.7434	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

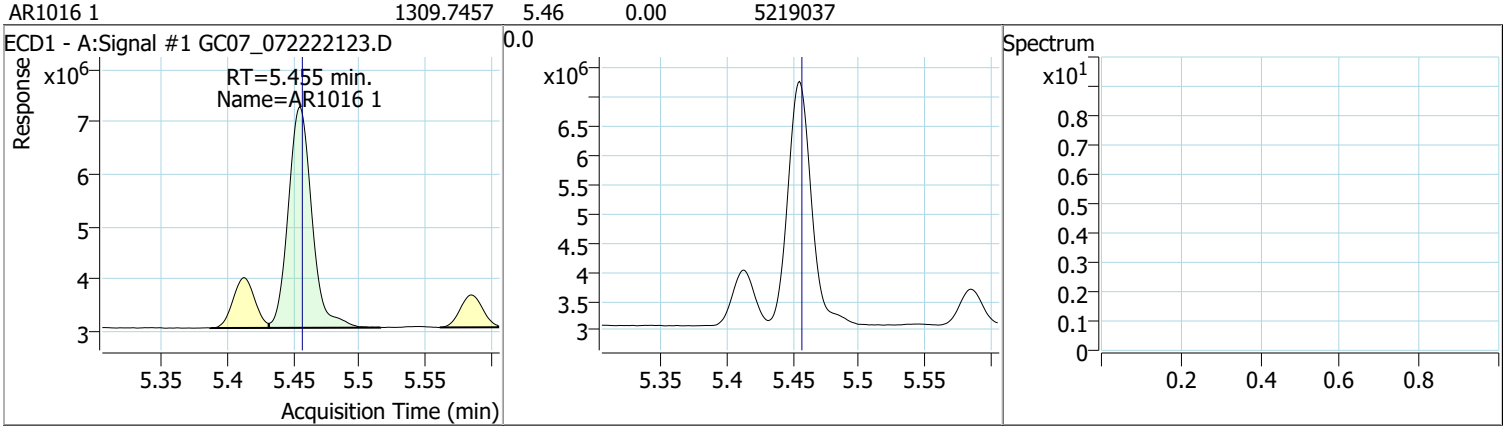
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	56.4129	5.11	0.00	10786737				



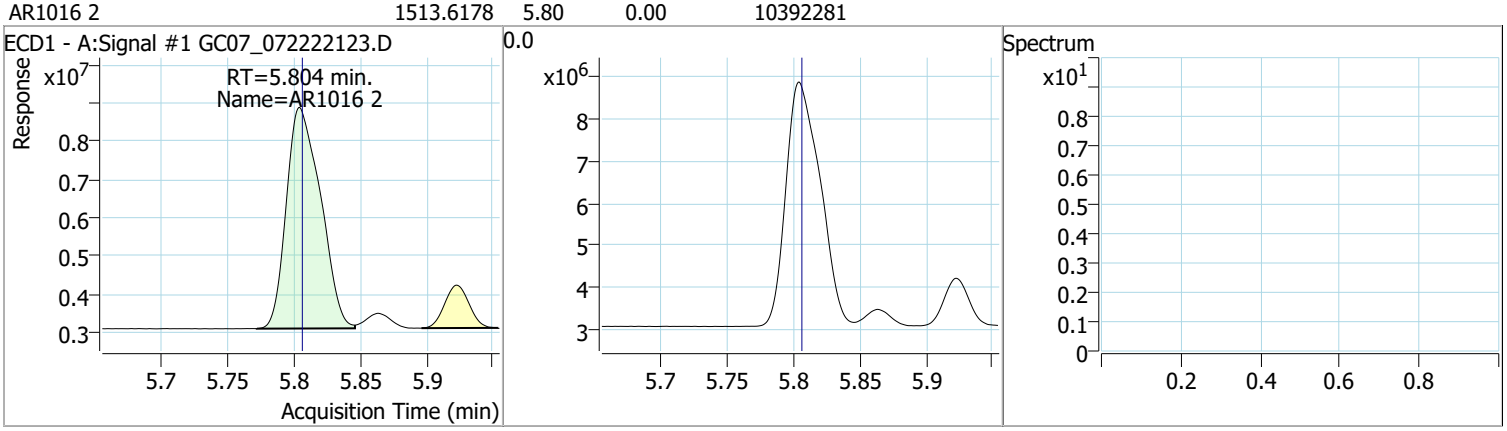
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	63.8862	5.42	0.00	4204196				



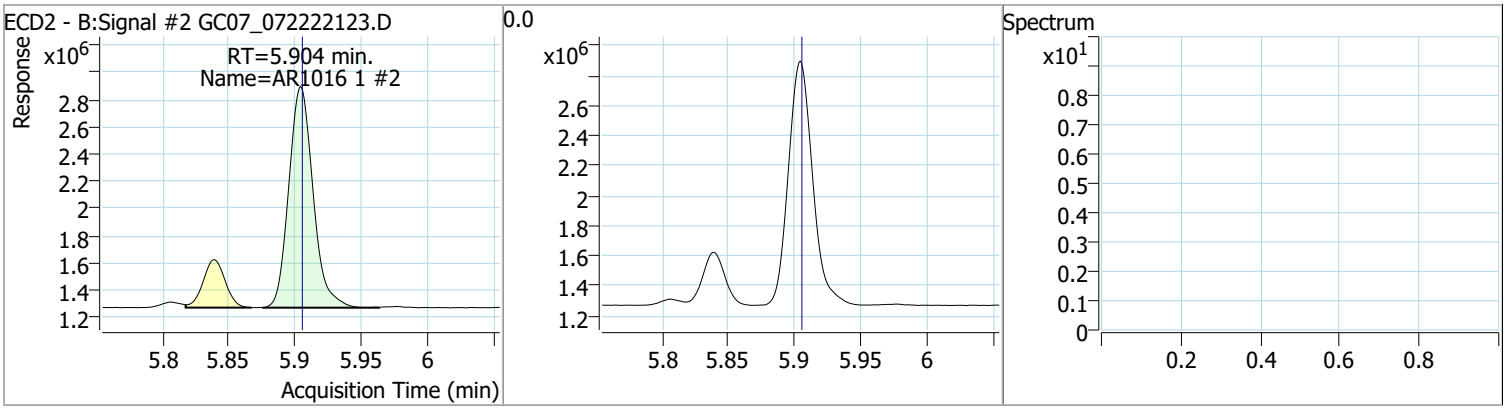
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1309.7457	5.46	0.00	5219037				



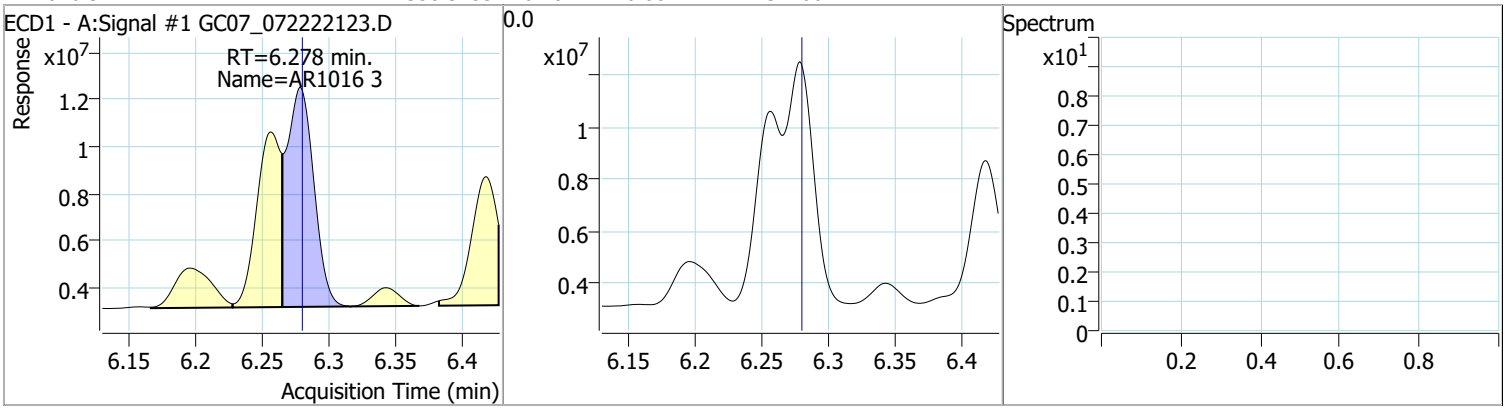
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1513.6178	5.80	0.00	10392281				



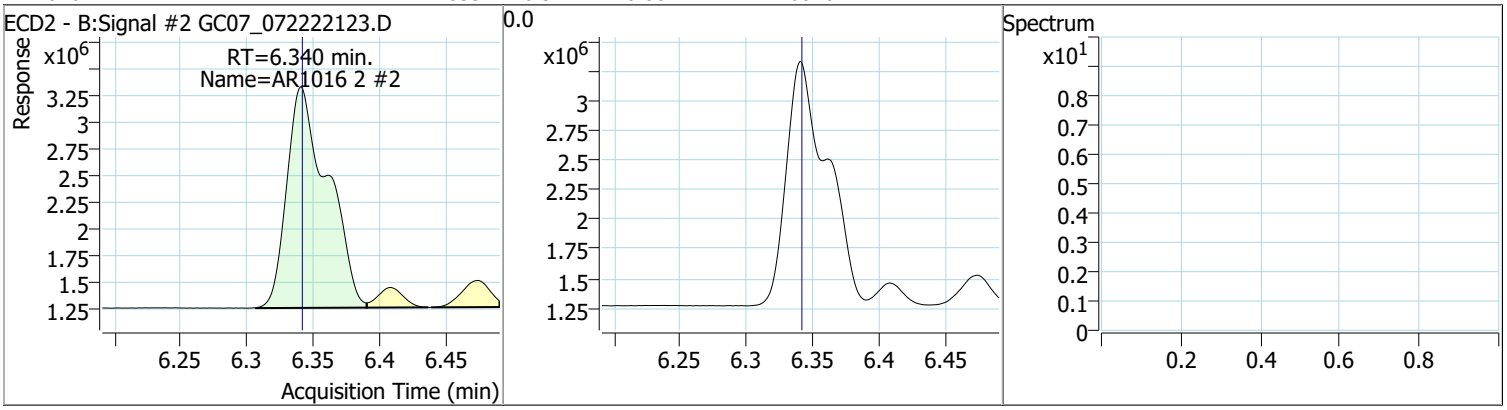
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1501.3959	5.90	0.00	2068738				



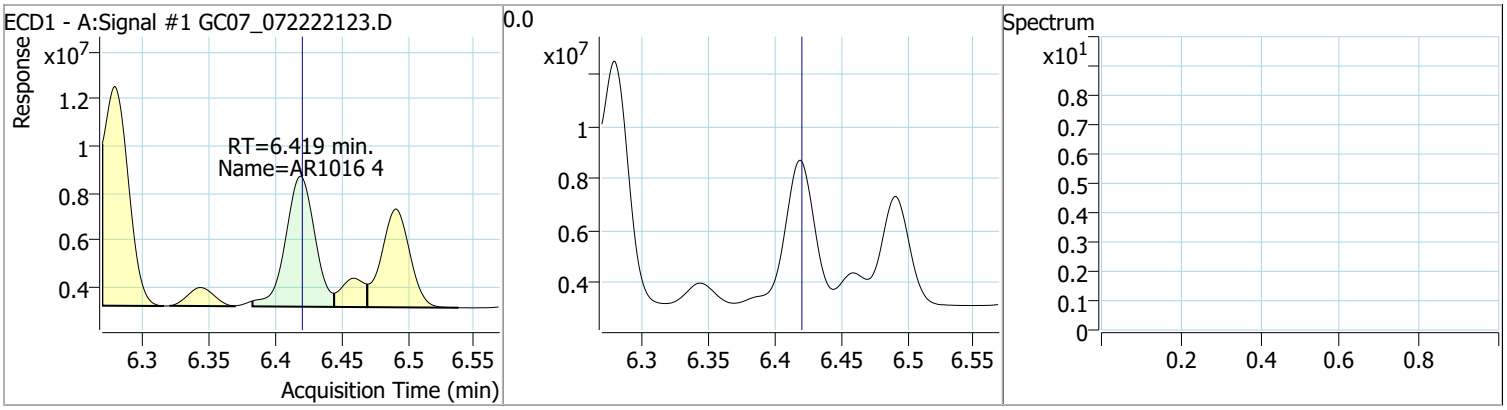
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1358.3153	6.28	0.00	13216614				



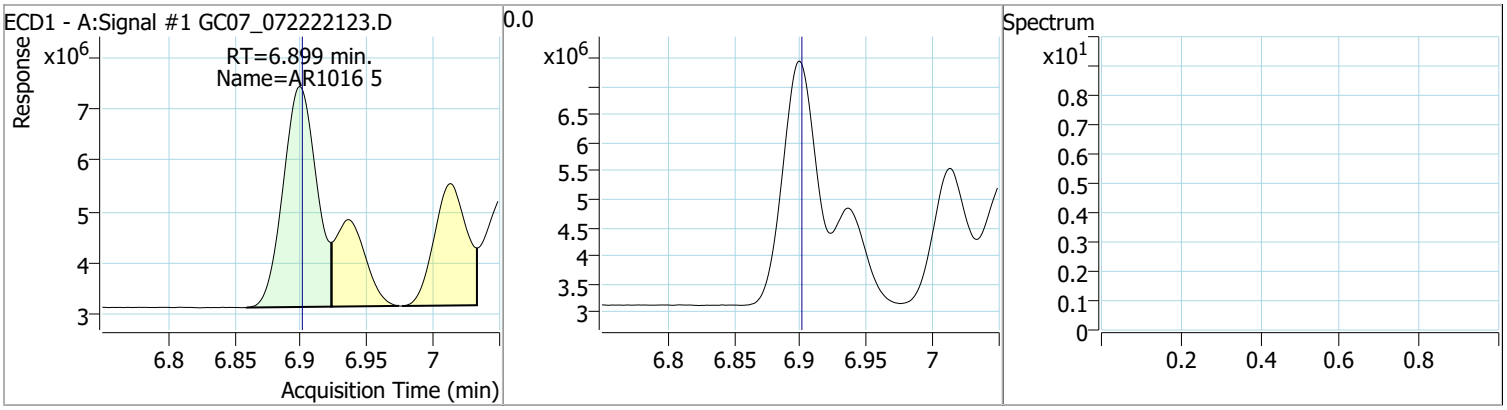
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1474.8331	6.34	0.00	4426026				



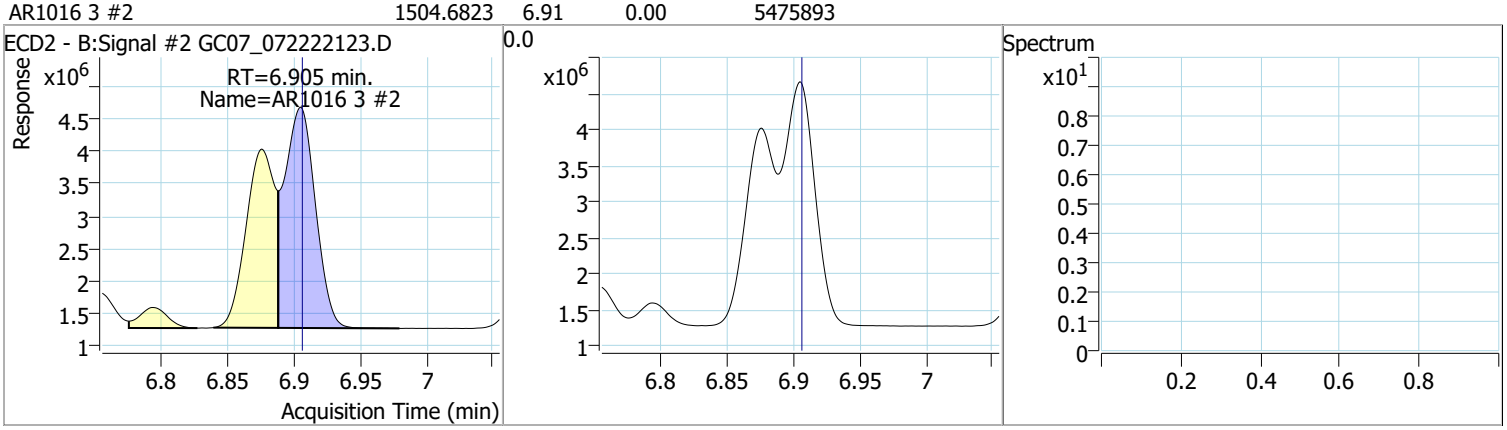
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1272.5072	6.42	0.00	8522479				



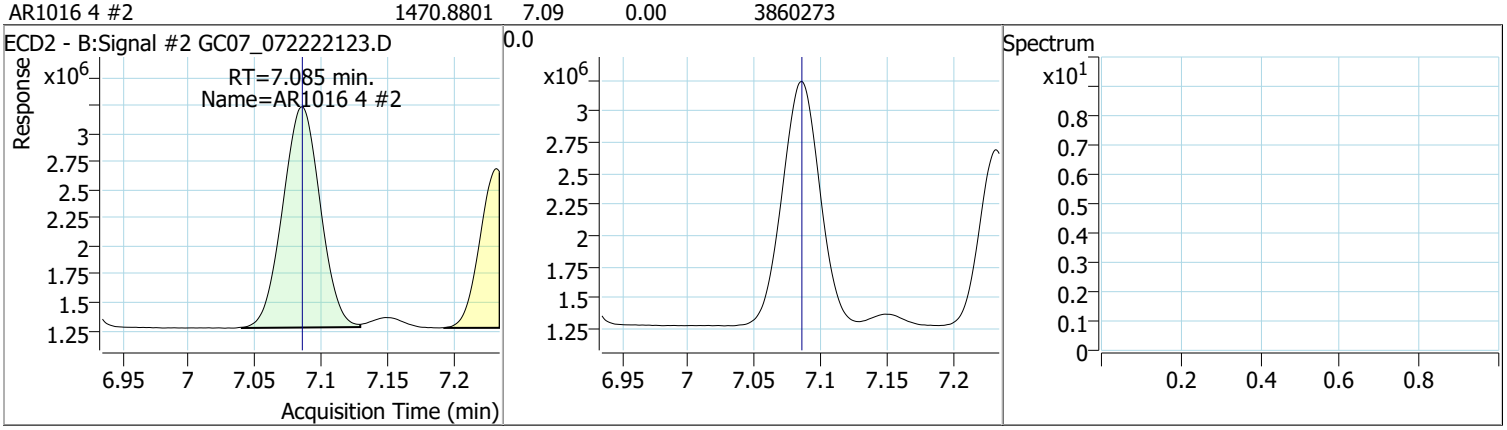
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1329.3034	6.90	0.00	7599446				



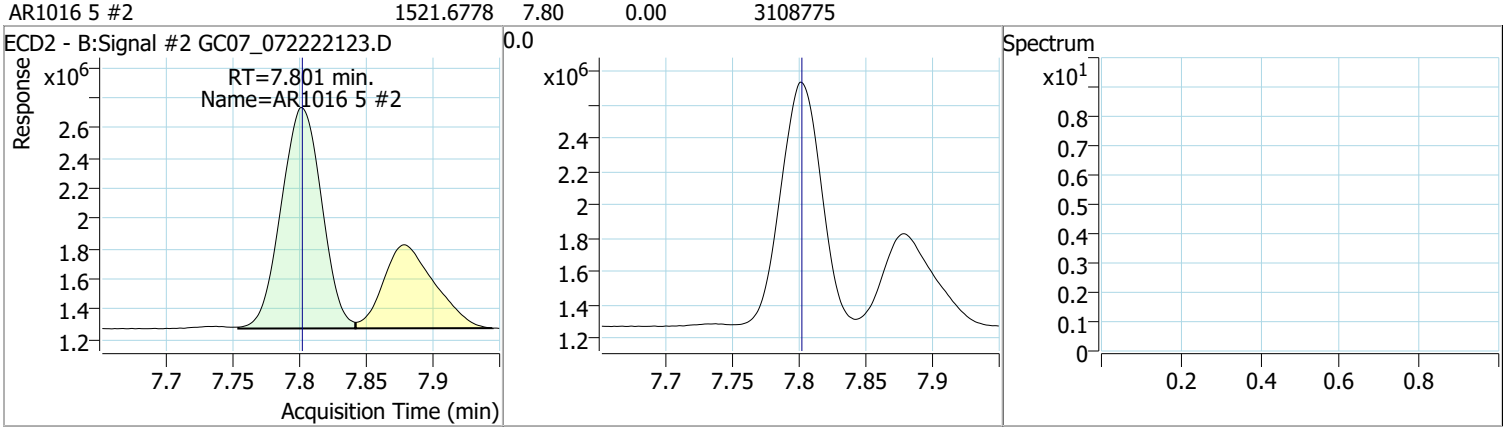
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1504.6823	6.91	0.00	5475893				



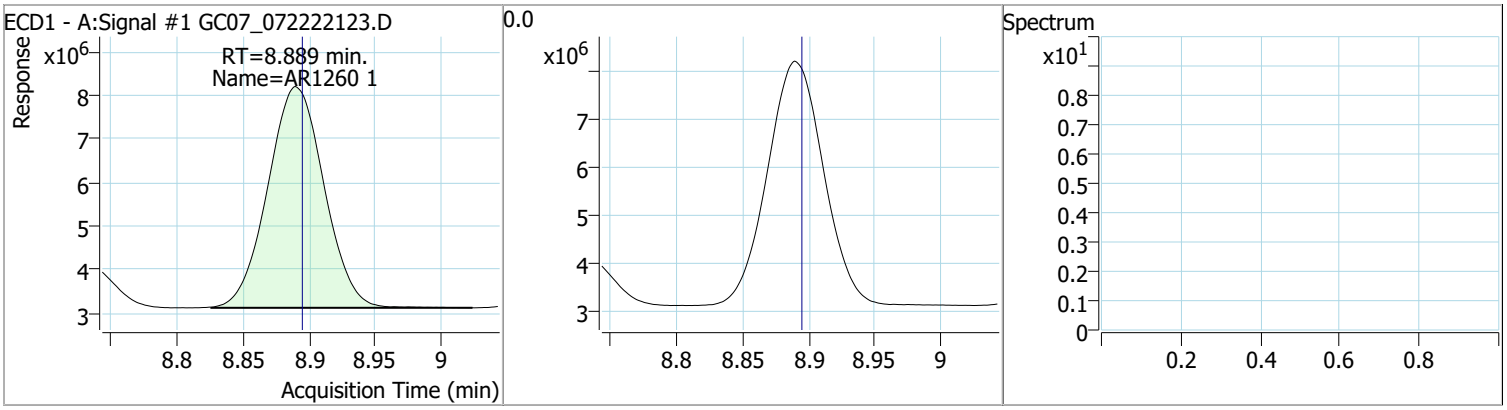
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1470.8801	7.09	0.00	3860273				



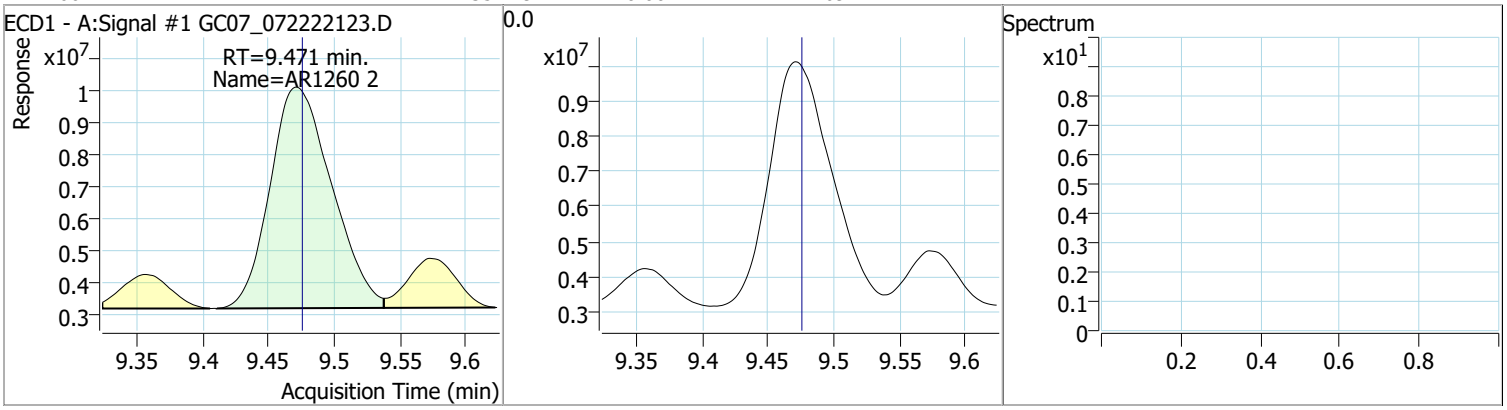
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1521.6778	7.80	0.00	3108775				



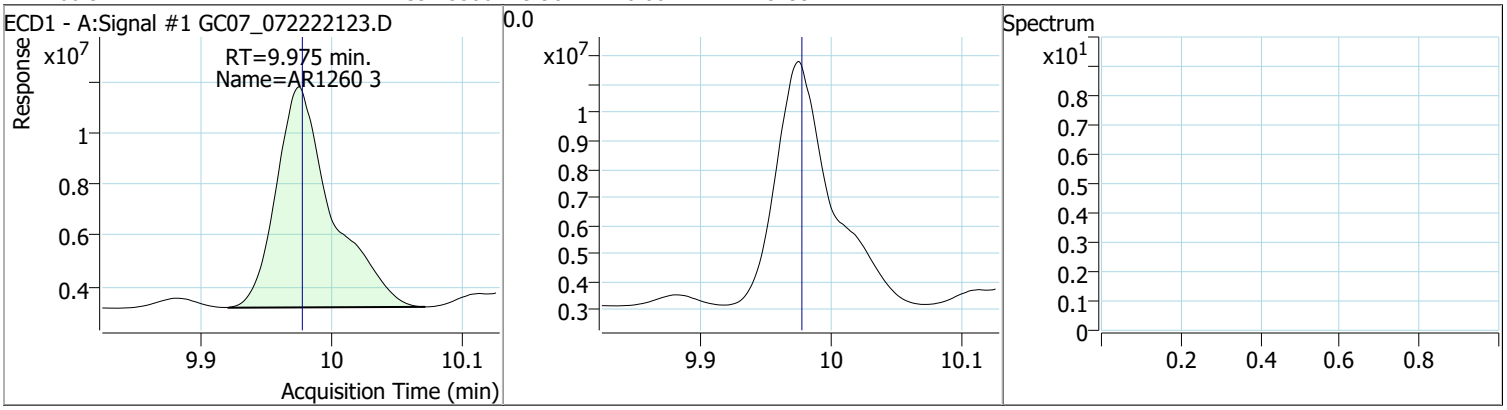
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1495.3539	8.89	0.00	15057327				



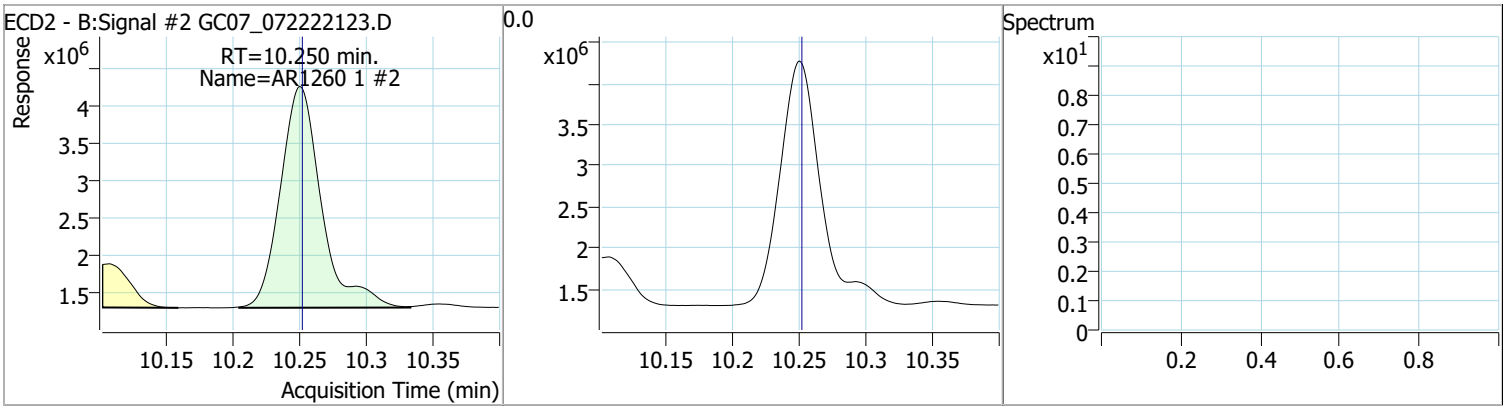
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1212.1135	9.47	0.00	22714469				



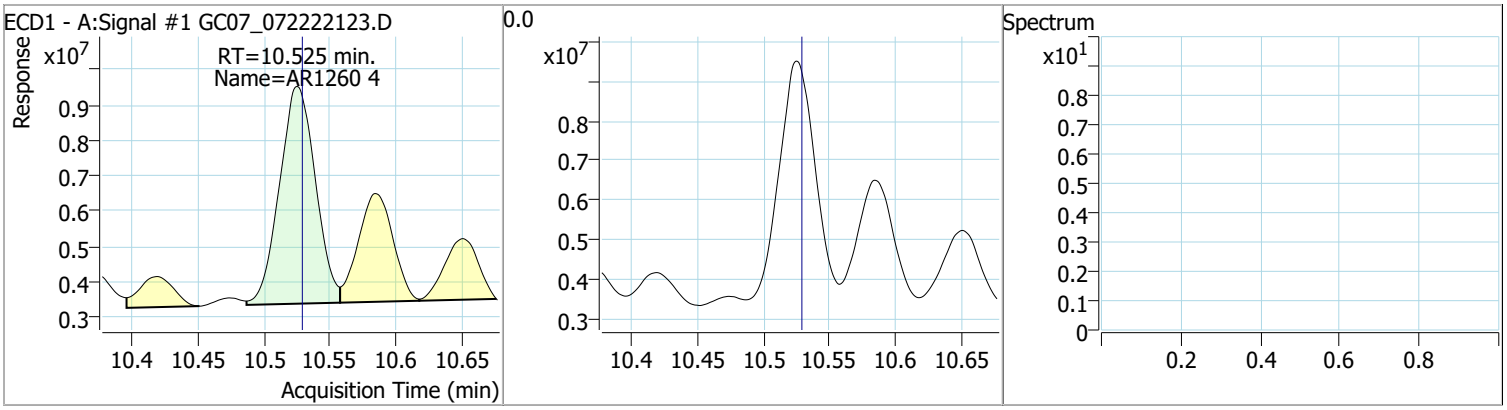
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1392.5586	9.98	0.00	25299424				



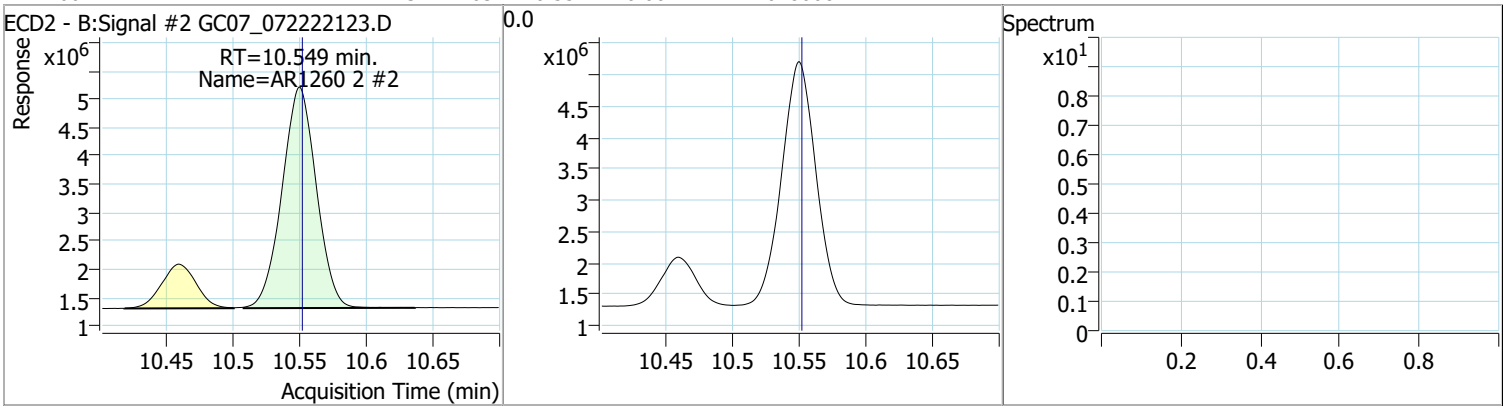
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1476.6417	10.25	0.00	6389969				



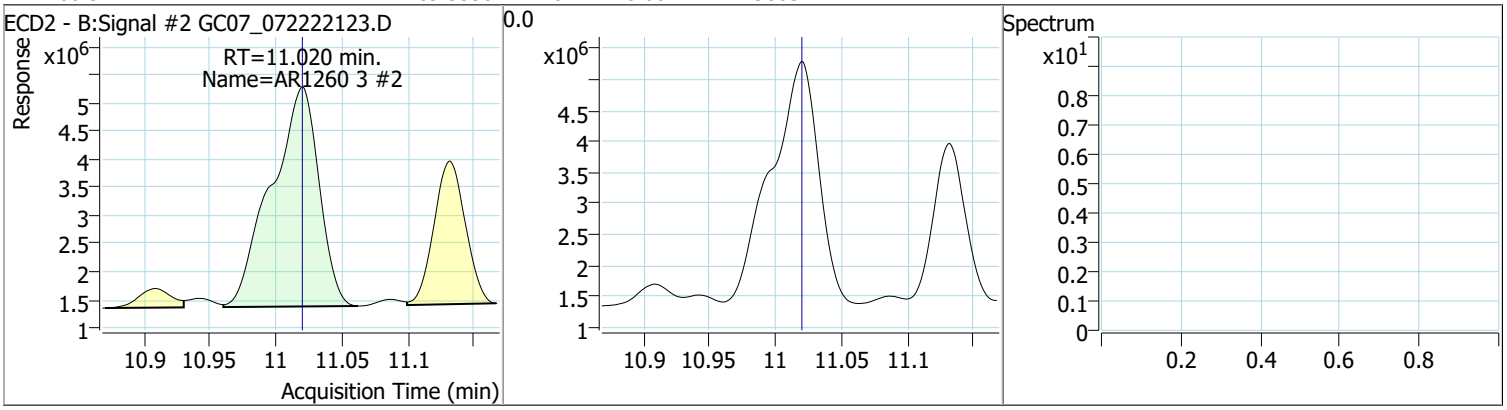
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1321.6989	10.53	0.00	11600667				



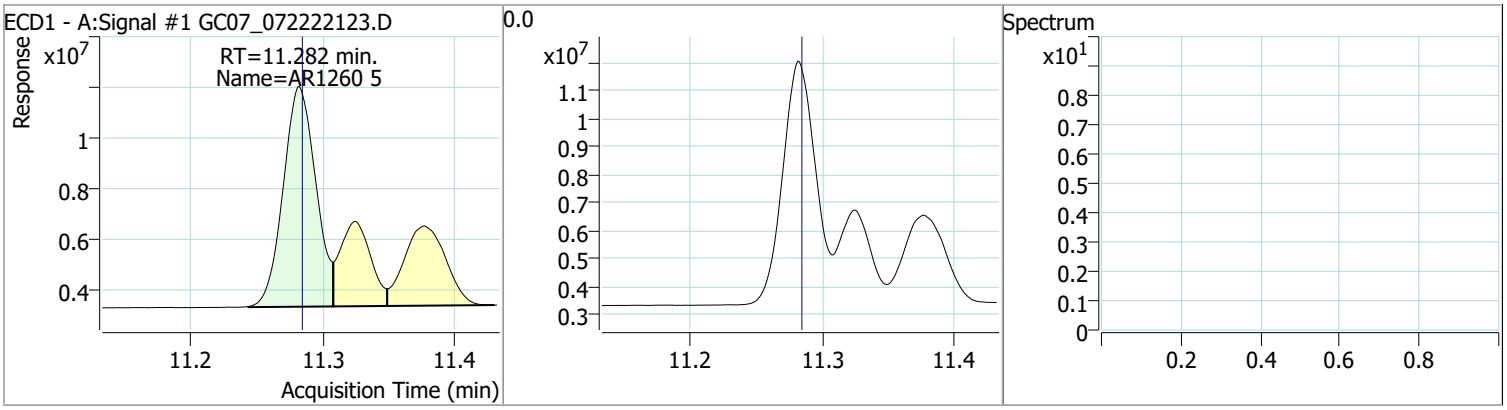
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1371.4763	10.55	0.00	7028008				



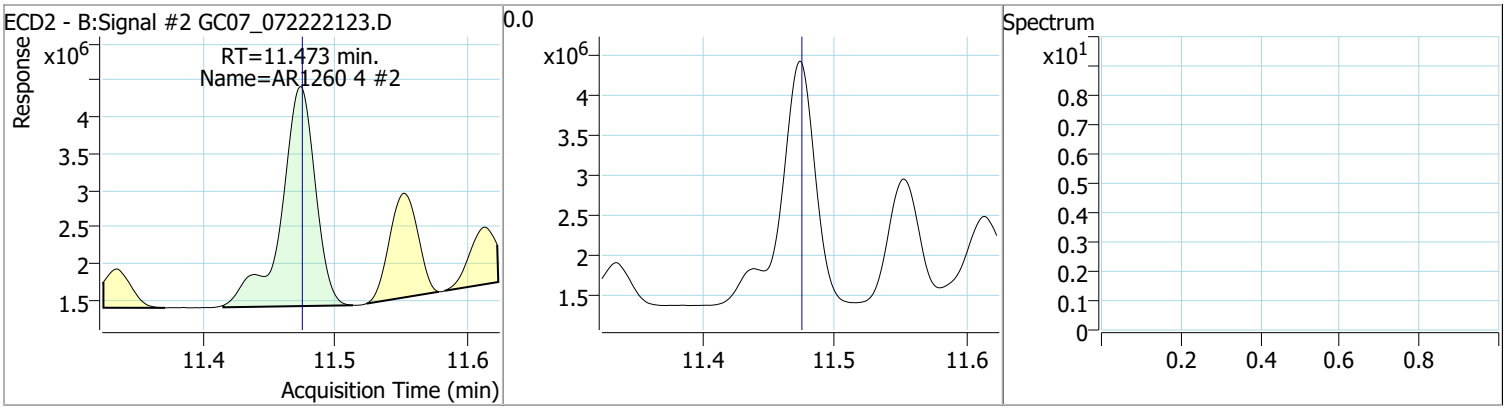
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1469.3530	11.02	0.00	9803717				



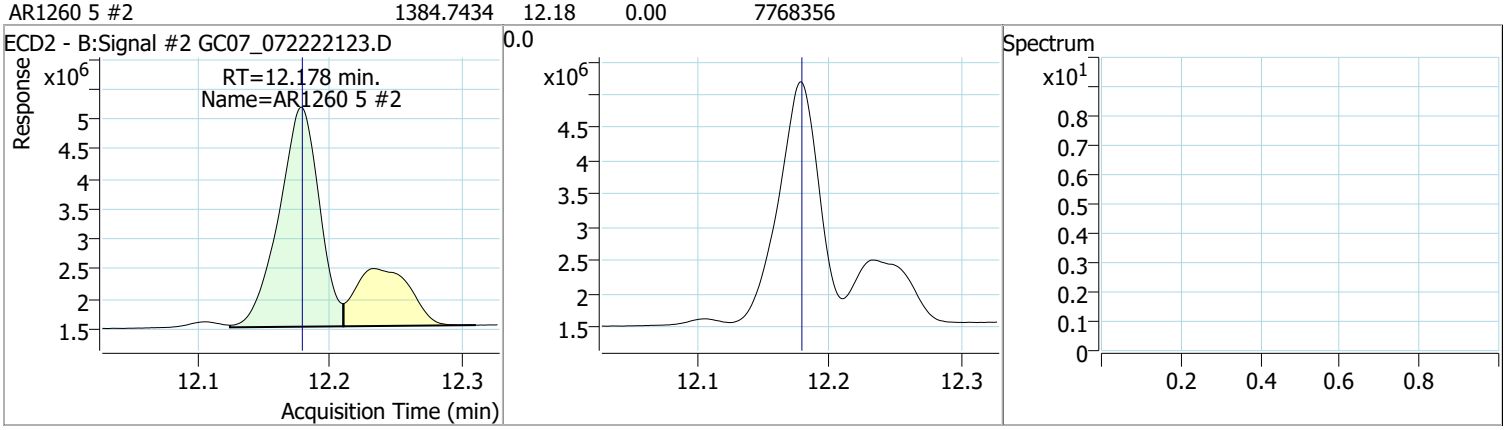
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1371.1772	11.28	0.00	14982465				



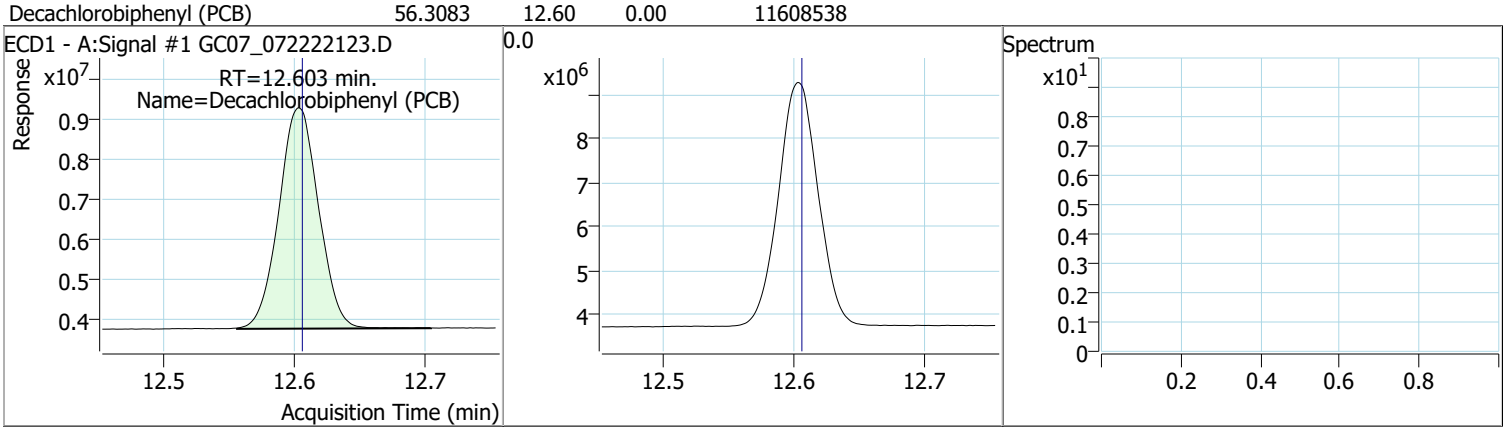
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1492.9928	11.47	0.00	5424945				



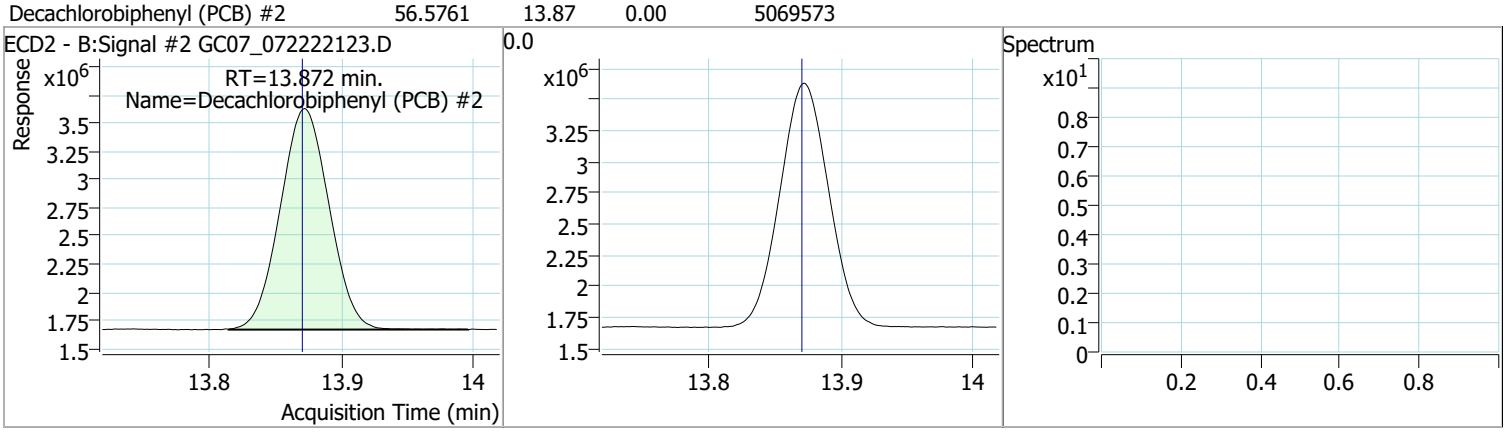
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1384.7434	12.18	0.00	7768356				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	56.3083	12.60	0.00	11608538				

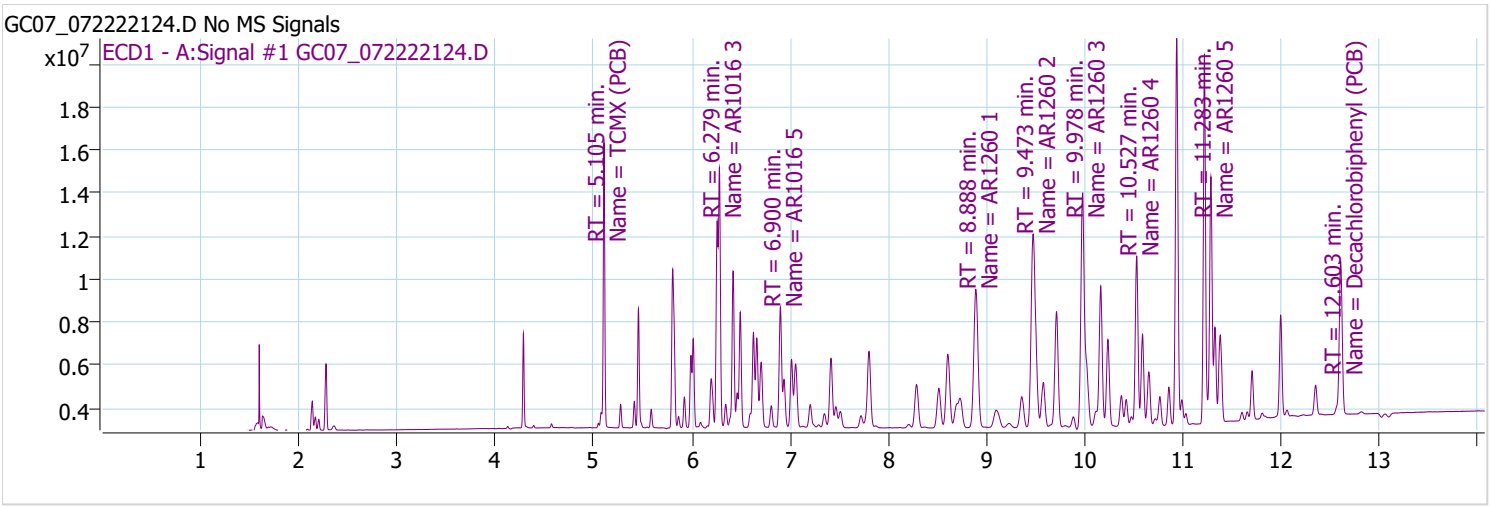


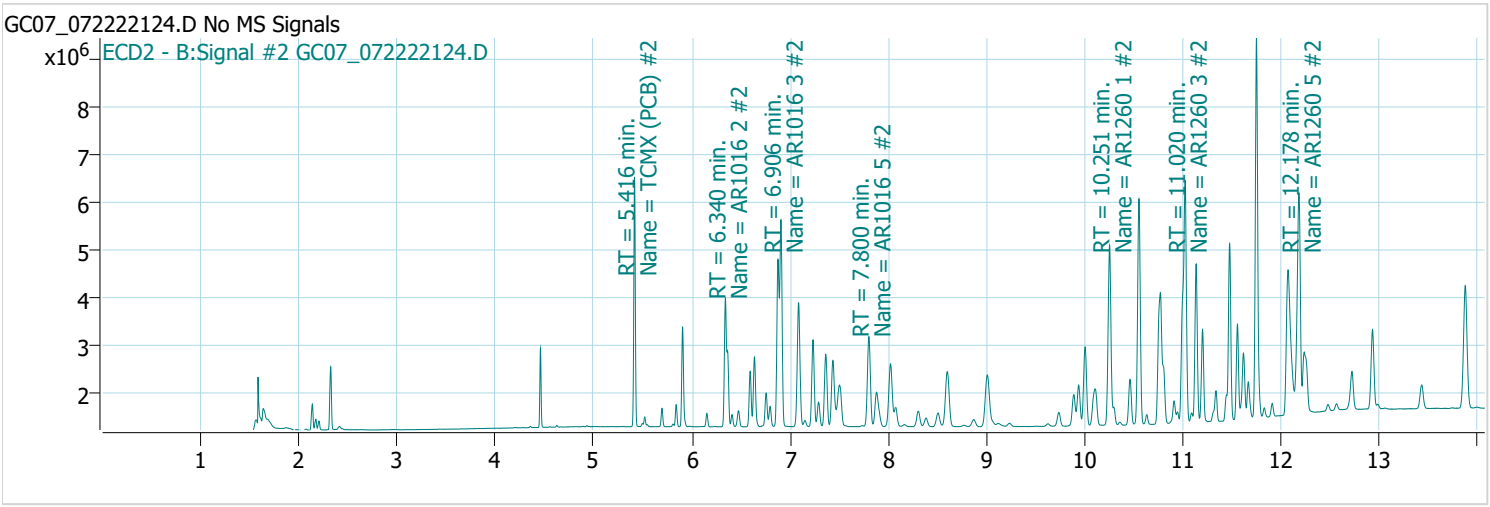
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	56.5761	13.87	0.00	5069573				



Quantitation Results Report (Not Reviewed)

Data File	GC07_072222124.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/22/2022 10:10:56 PM
Sample Name	ICAL, S16726, 1	Instrument	SVOA-GC07
Vial	89	Multiplier	1.00
DA Method File	PCB_608_072222_GC07_1.m	Comment	2000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	072222PCBICAL.batch.bin	Last Calib Update	7/23/2022 5:05:17 PM
Ref Library			



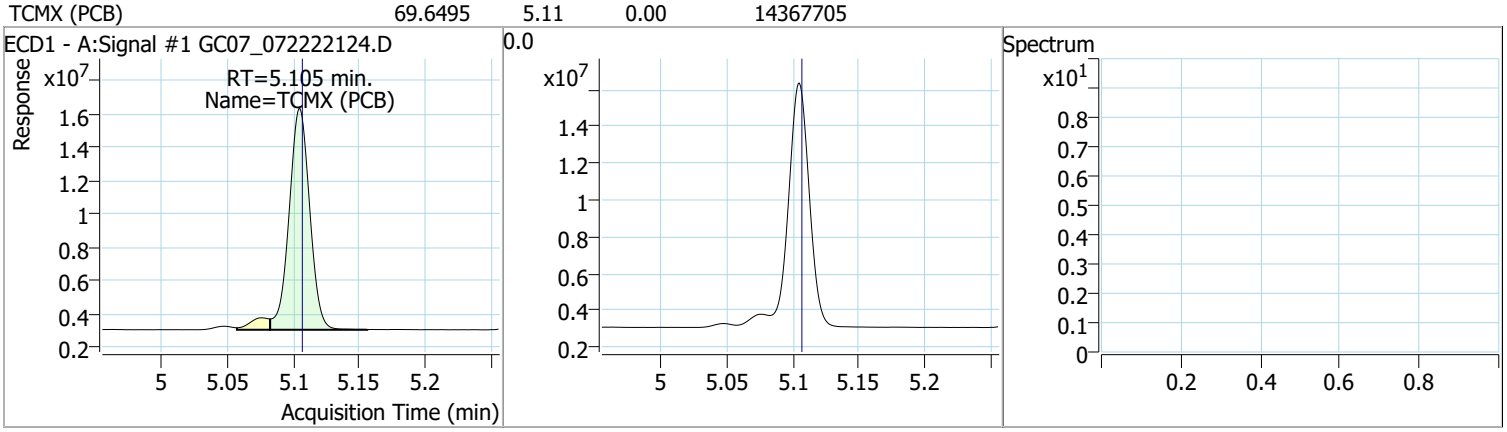


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.285	0.0	4583391.167	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.458	0.0	1466105.190	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.105	0.0	14367705.329	69.6495	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 348.25%		*	
S TCMX (PCB) #2	5.416	0.0	5612450.515	86.1823	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 430.91%		*	
S Decachlorobiphenyl (PCB)	12.603	0.0	15285833.187	68.7269	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 343.63%		*	
S Decachlorobiphenyl (PCB) #2	13.871	0.0	6387216.788	72.0303	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 360.15%		*	
Target Compounds							QValue

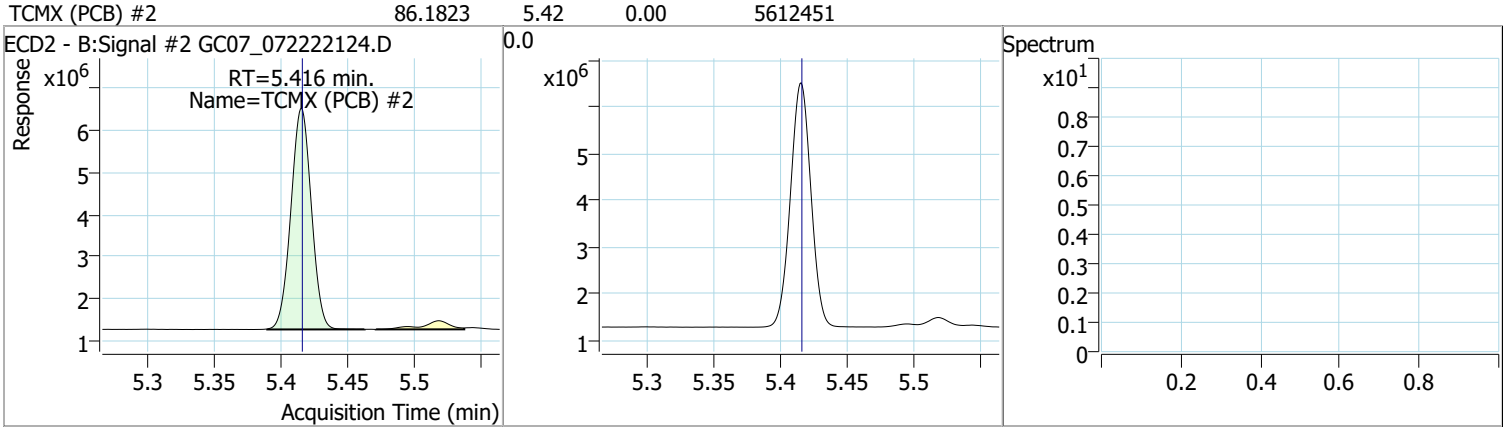
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.455	0.0	6765122.074	1573.6729	ng/ml	100
T AR1016 2	5.804	0.0	13527013.373	1833.1533	ng/ml	100
T AR1016 1 #2	5.904	0.0	2683653.790	1968.1482	ng/ml	100
T AR1016 3	6.279	0.0	16818276.881	1602.1534	ng/ml	100
T AR1016 2 #2	6.340	0.0	5696659.908	1918.1862	ng/ml	100
T AR1016 4	6.418	0.0	10992997.438	1521.4325	ng/ml	100
T AR1016 5	6.900	0.0	9816438.714	1591.6164	ng/ml	100
T AR1016 3 #2	6.906	0.0	7070745.501	1963.3450	ng/ml	100
T AR1016 4 #2	7.085	0.0	5037953.972	1939.7909	ng/ml	100
T AR1016 5 #2	7.800	0.0	4015841.948	1986.3310	ng/ml	100
T AR1260 1	8.888	0.0	19129889.577	1749.6556	ng/ml	100
T AR1260 2	9.473	0.0	28930990.251	1431.0217	ng/ml	100
T AR1260 3	9.978	0.0	31797804.158	1622.3412	ng/ml	100
T AR1260 1 #2	10.251	0.0	8136445.030	1899.9957	ng/ml	100
T AR1260 4	10.527	0.0	14610807.468	1543.0003	ng/ml	100
T AR1260 2 #2	10.550	0.0	8944428.027	1763.8033	ng/ml	100
T AR1260 3 #2	11.020	0.0	12571161.545	1903.9359	ng/ml	100
T AR1260 5	11.283	0.0	20815686.736	1765.8072	ng/ml	100
T AR1260 4 #2	11.473	0.0	6888734.953	1915.7701	ng/ml	100
T AR1260 5 #2	12.178	0.0	10649149.583	1918.2122	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

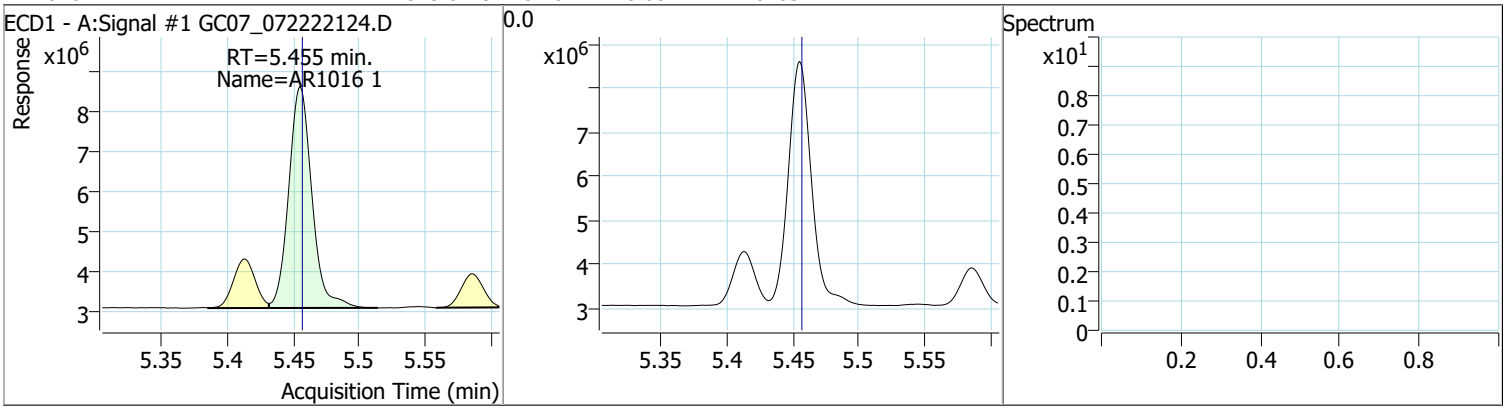
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	69.6495	5.11	0.00	14367705				



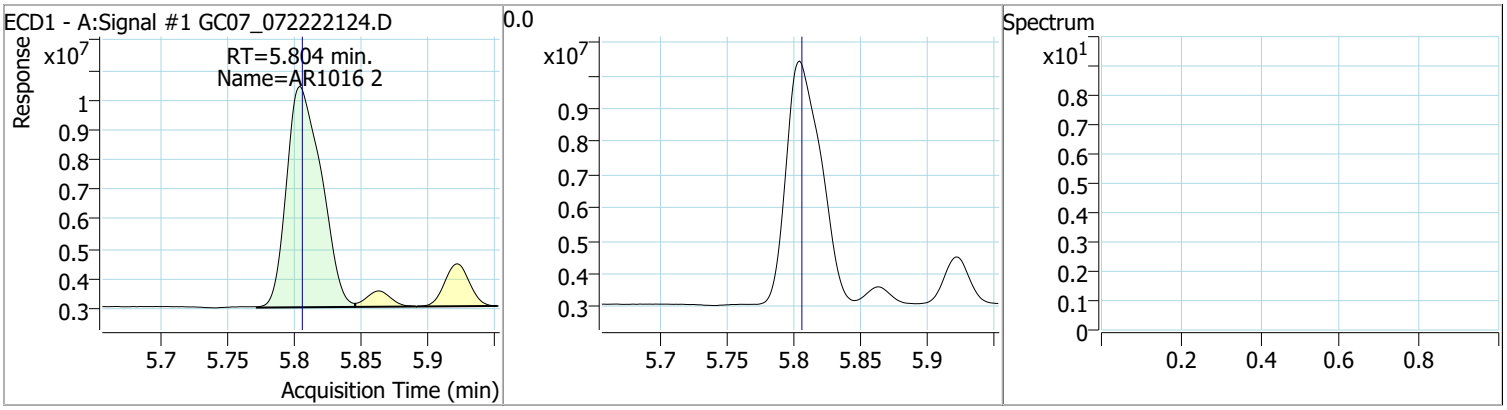
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	86.1823	5.42	0.00	5612451				



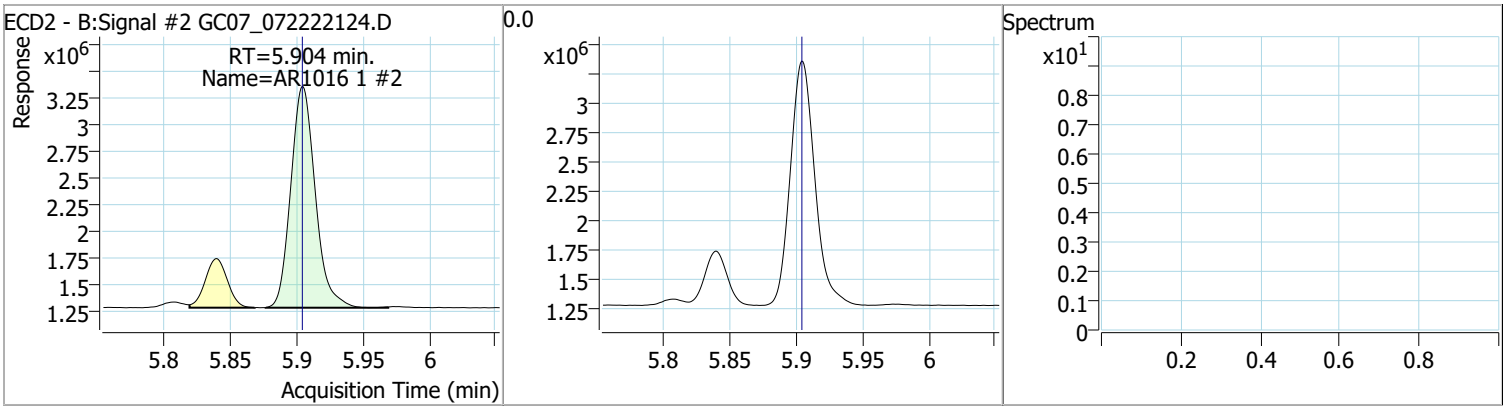
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1573.6729	5.46	0.00	6765122				



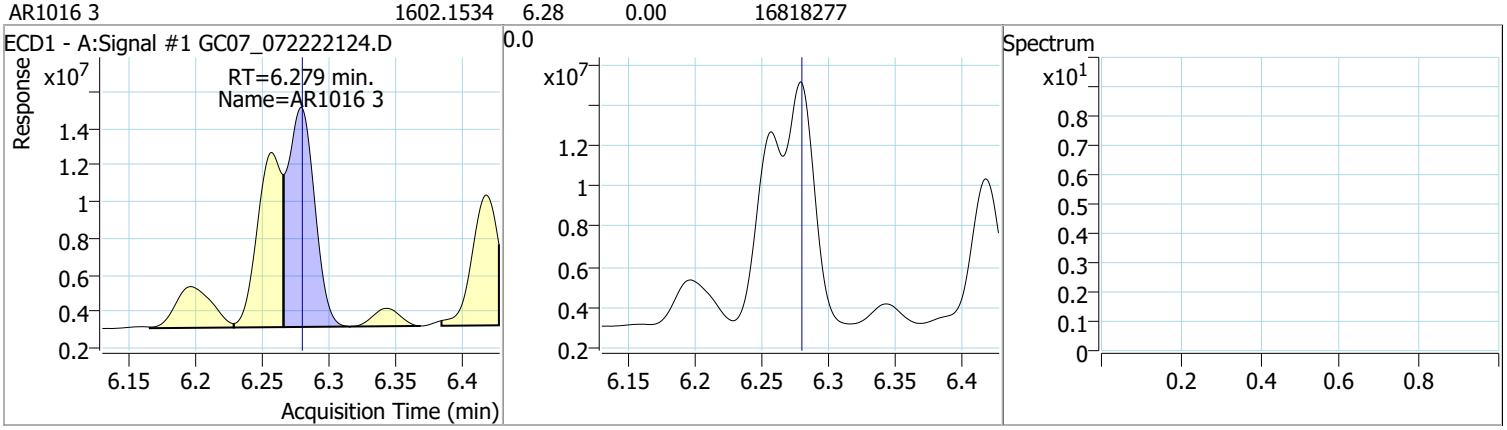
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1833.1533	5.80	0.00	13527013				



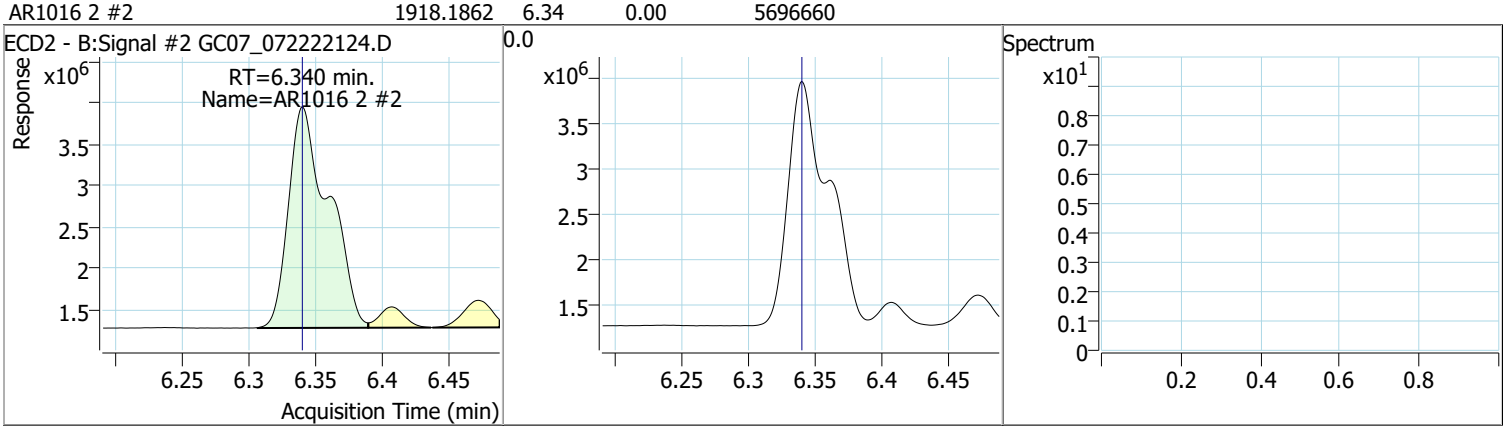
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1968.1482	5.90	0.00	2683654				



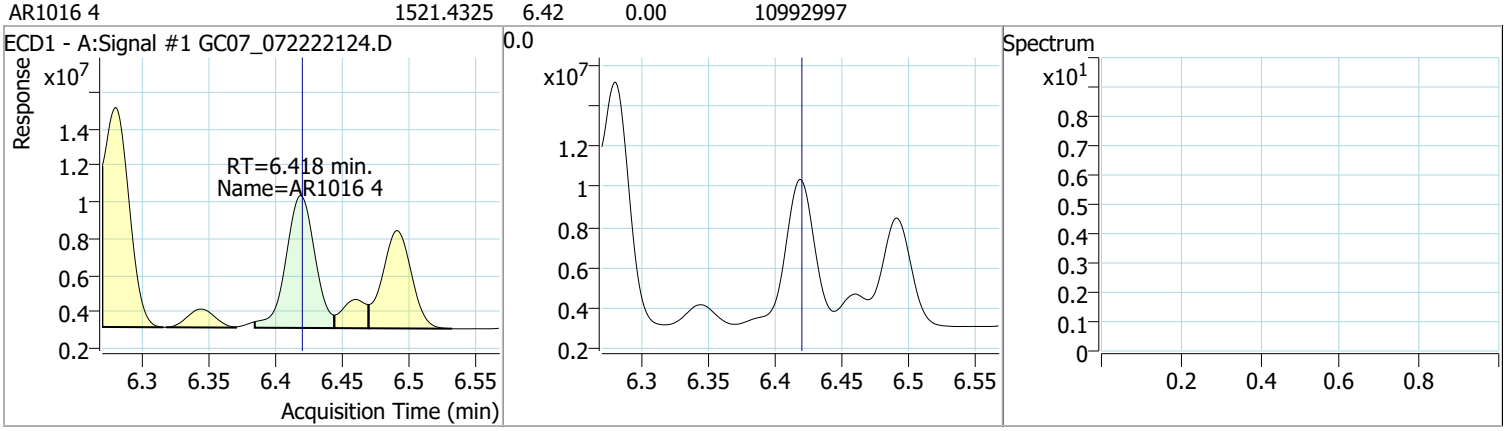
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1602.1534	6.28	0.00	16818277				



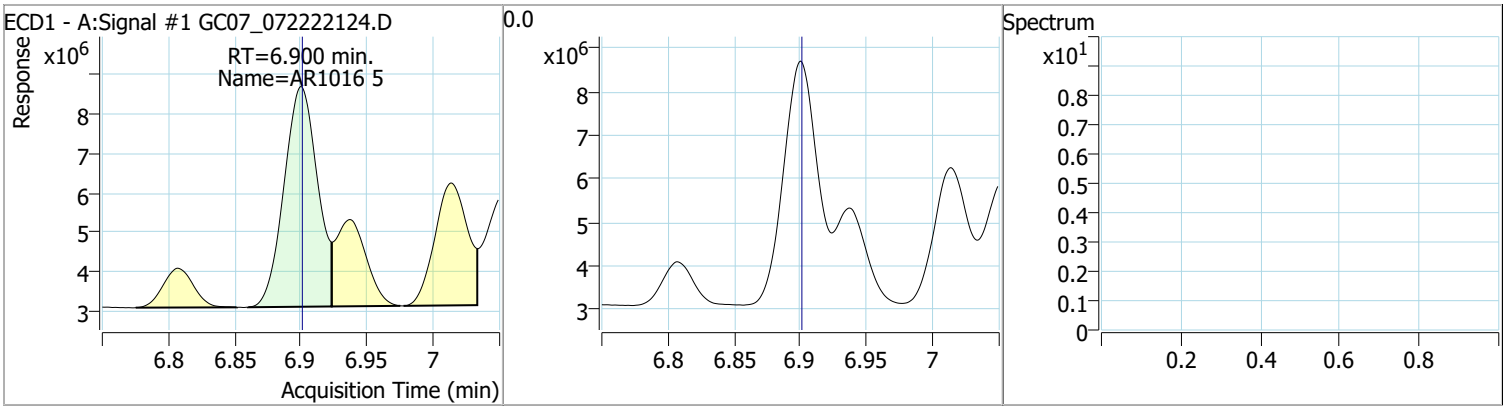
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1918.1862	6.34	0.00	5696660				



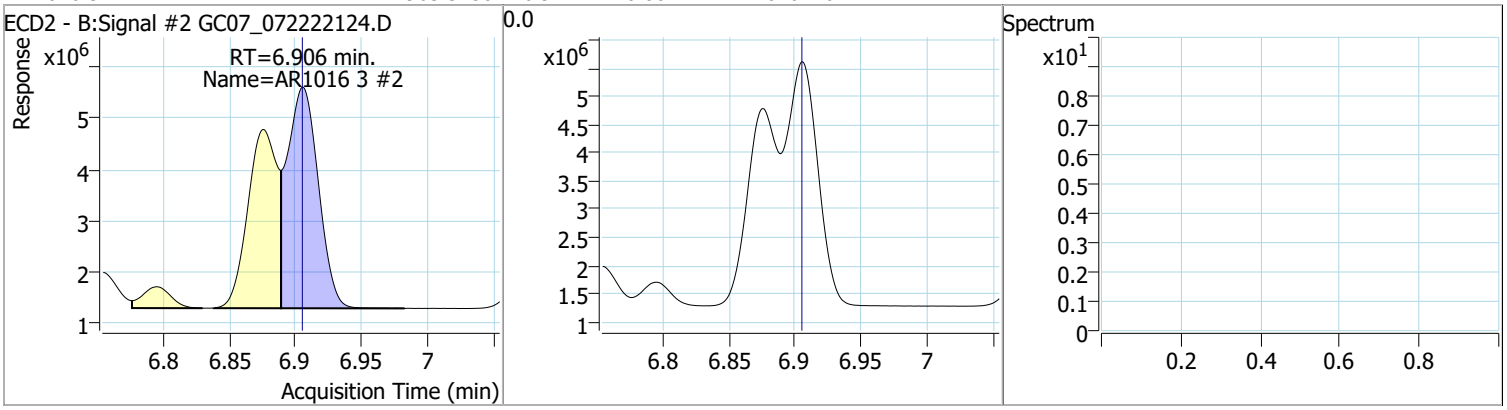
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1521.4325	6.42	0.00	10992997				



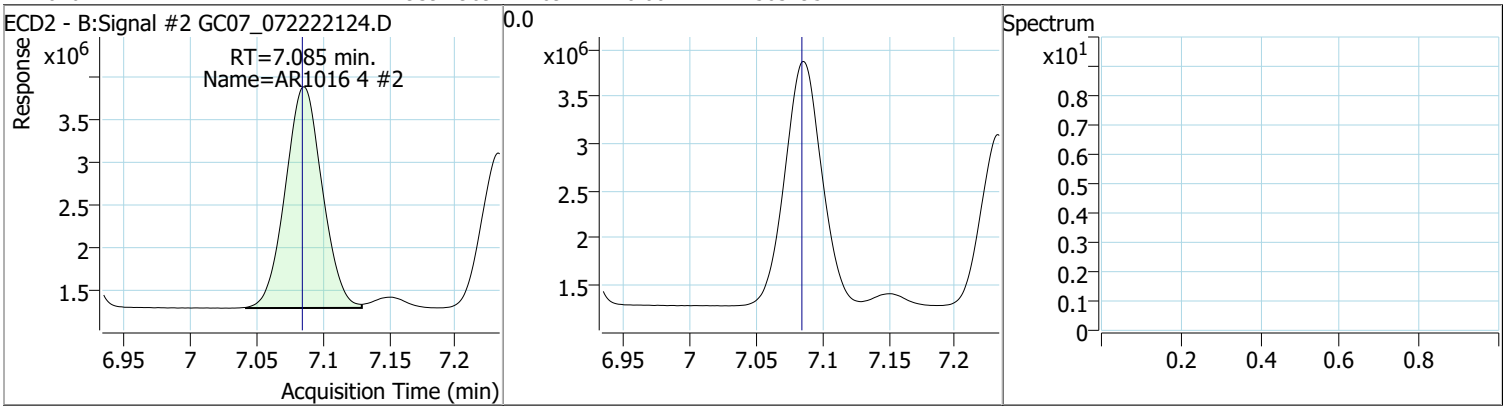
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1591.6164	6.90	0.00	9816439				



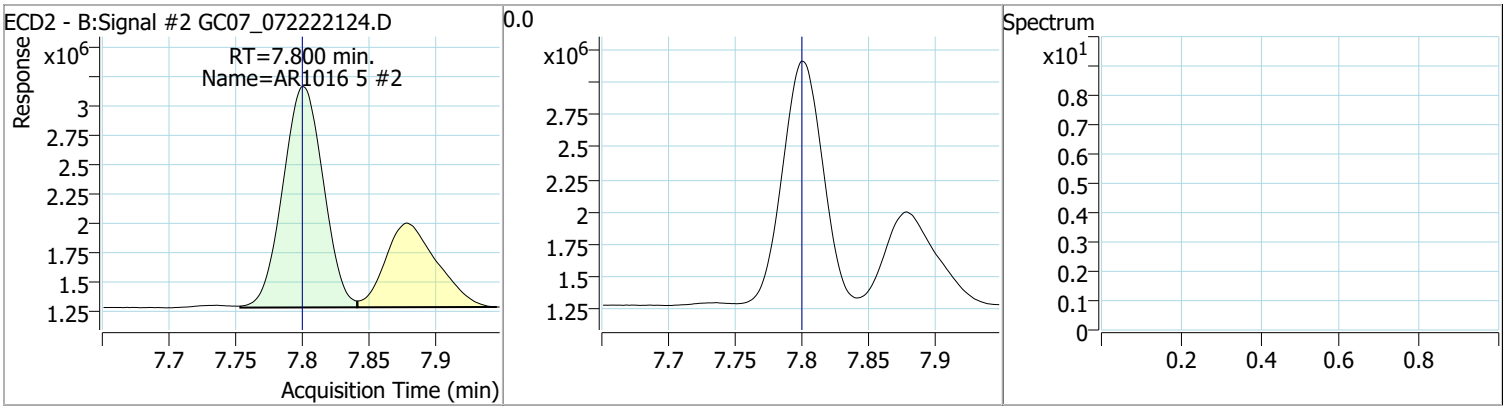
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1963.3450	6.91	0.00	7070746				



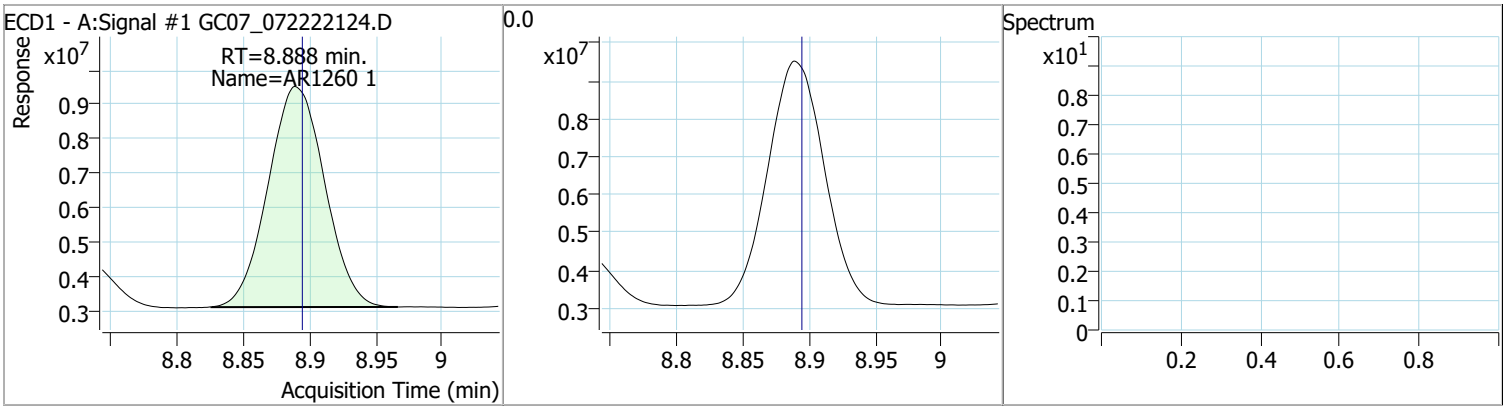
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1939.7909	7.09	0.00	5037954				



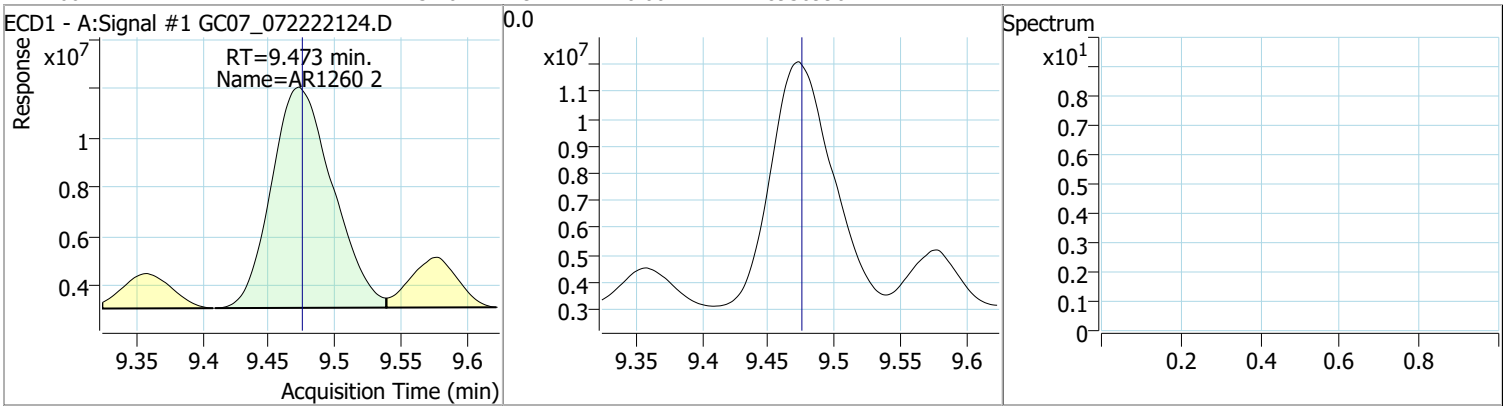
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1986.3310	7.80	0.00	4015842				



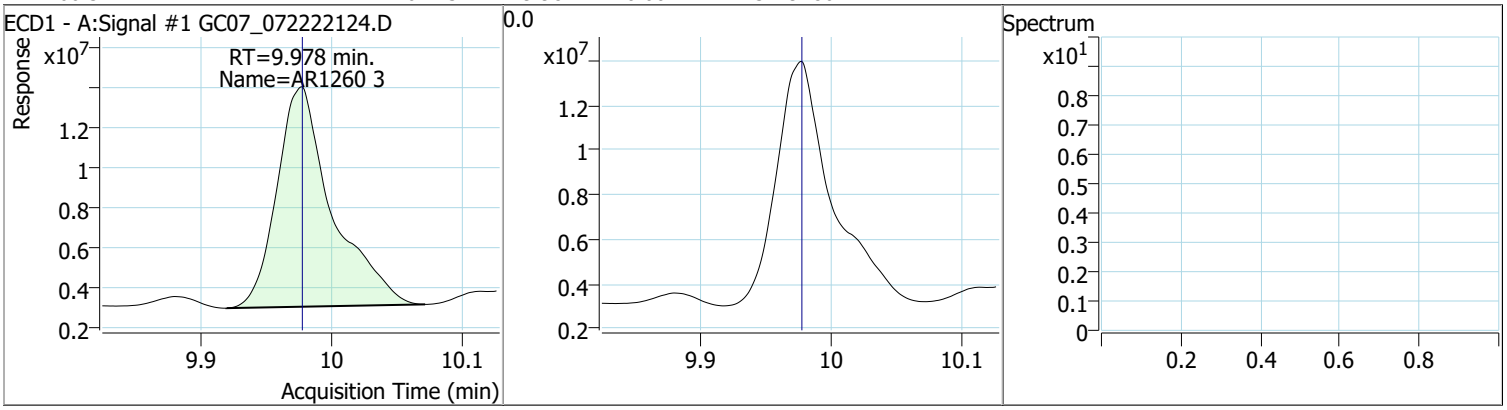
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1749.6556	8.89	0.00	19129890				



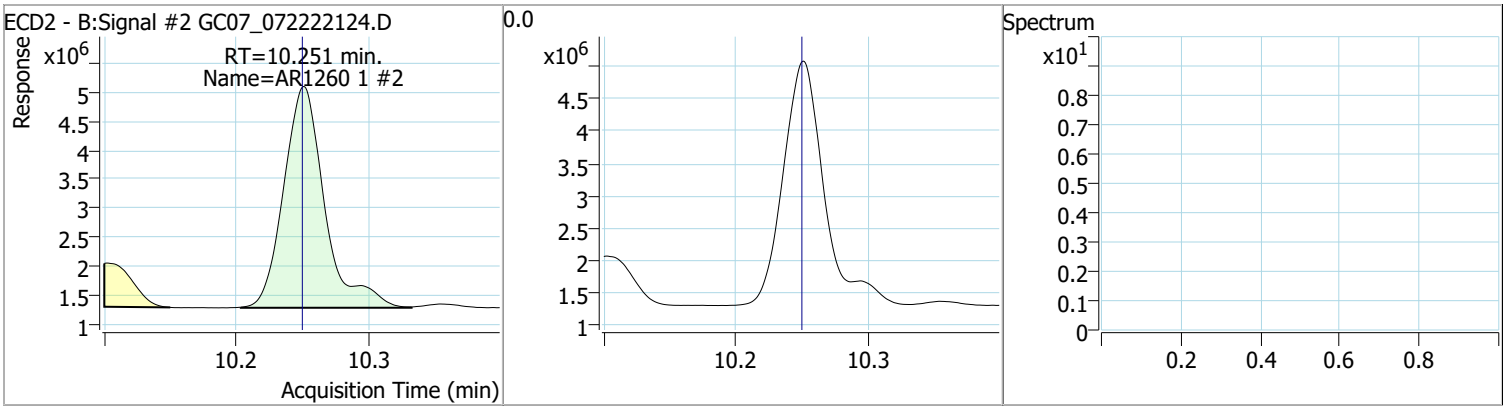
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1431.0217	9.47	0.00	28930990				



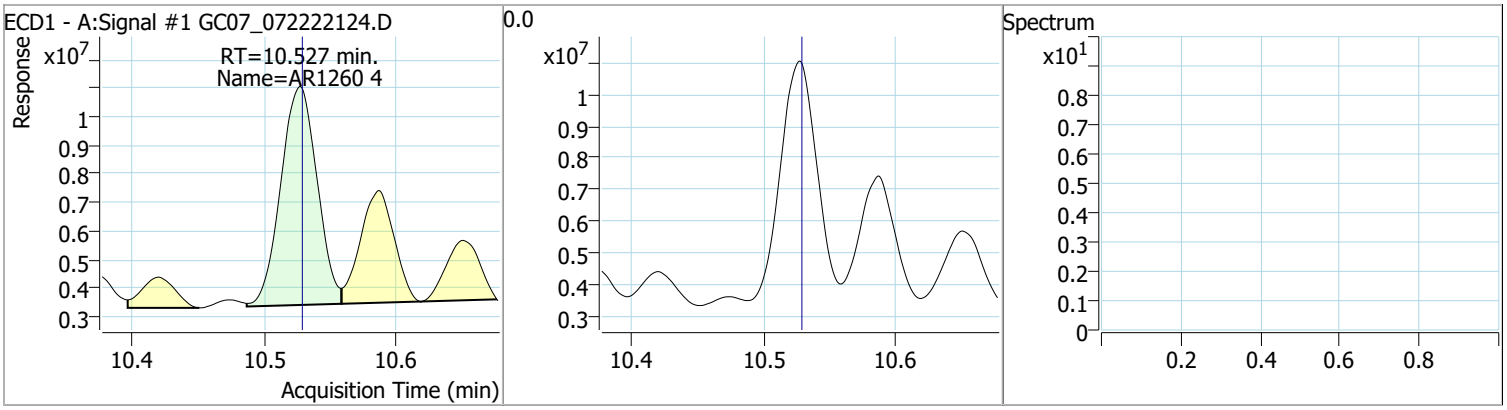
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1622.3412	9.98	0.00	31797804				



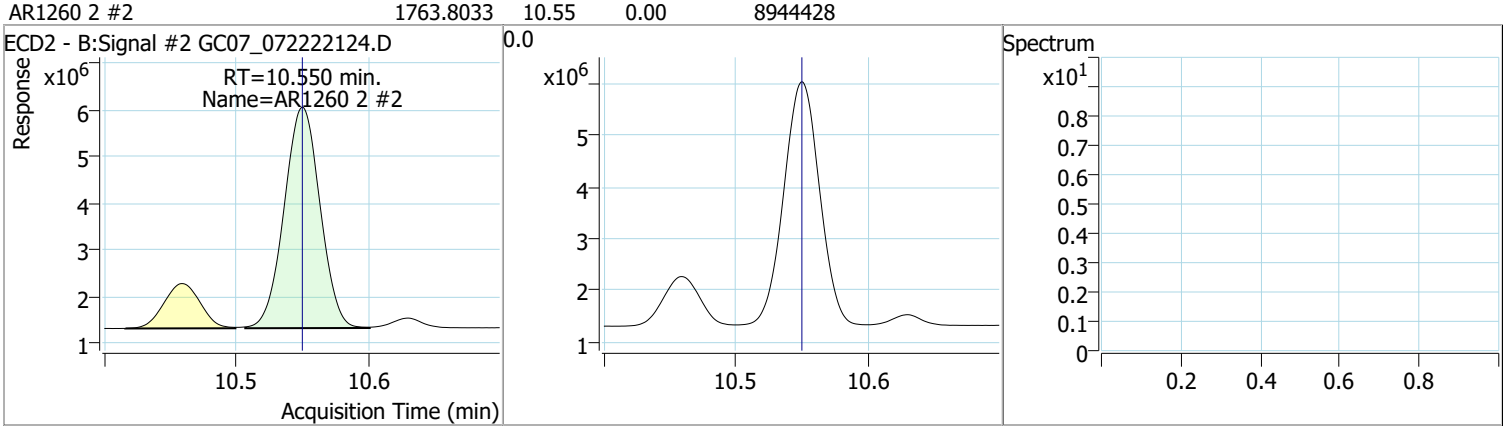
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1899.9957	10.25	0.00	8136445				



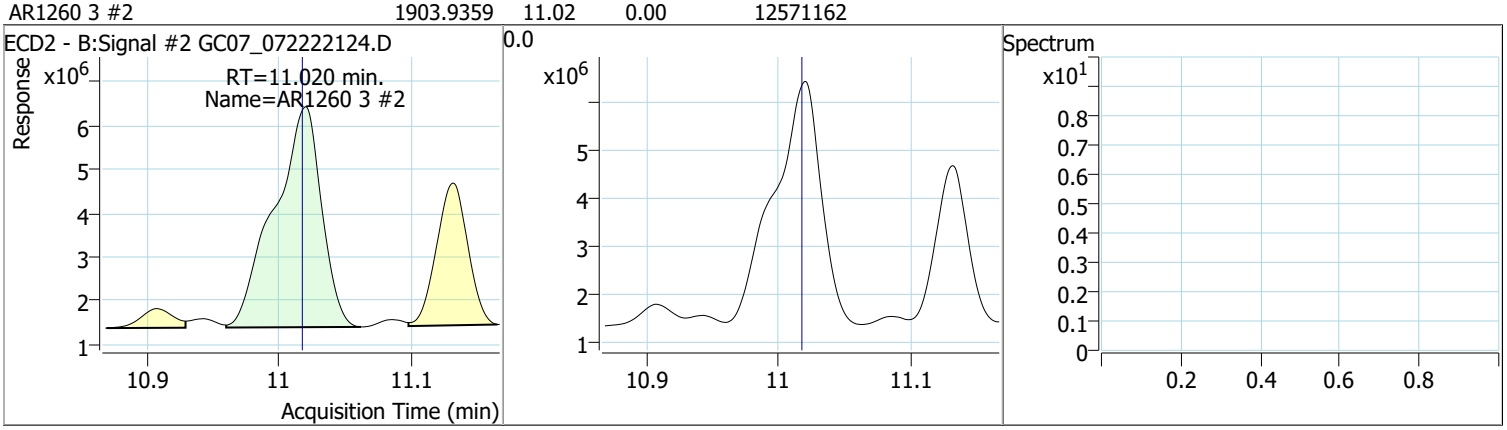
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1543.0003	10.53	0.00	14610807				



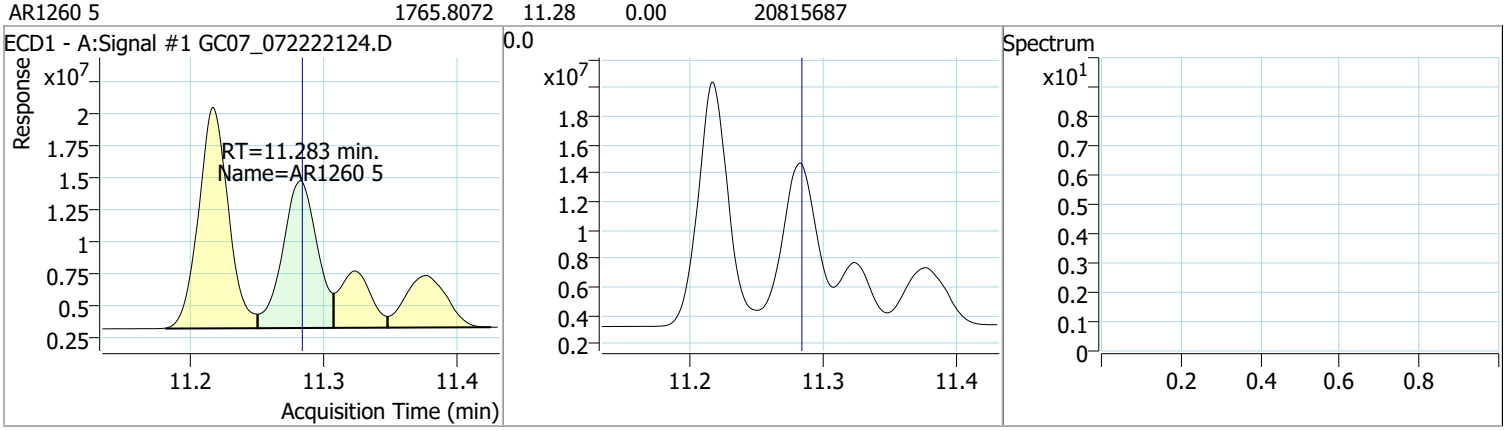
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1763.8033	10.55	0.00	8944428				



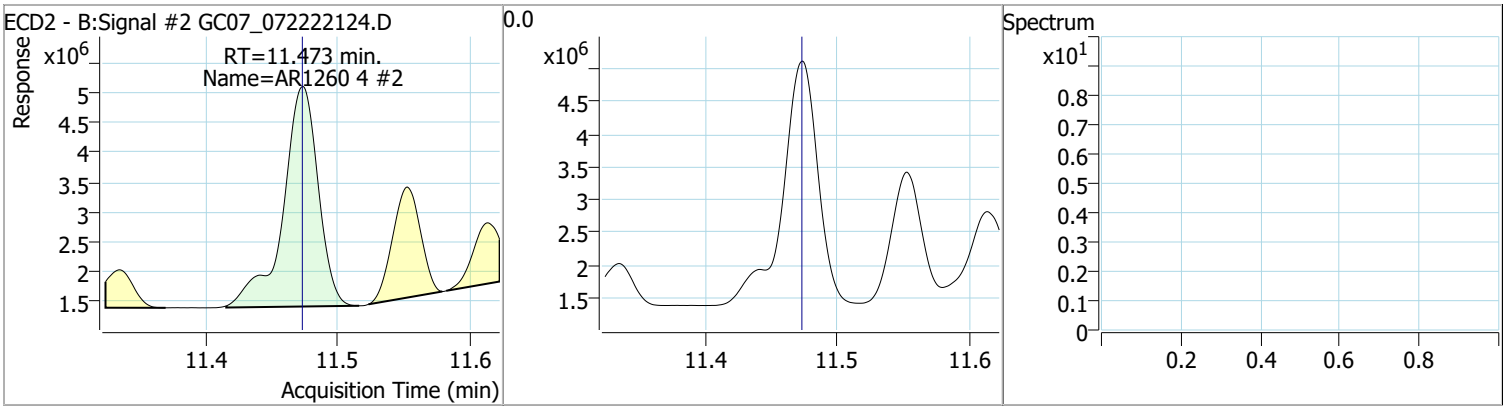
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1903.9359	11.02	0.00	12571162				



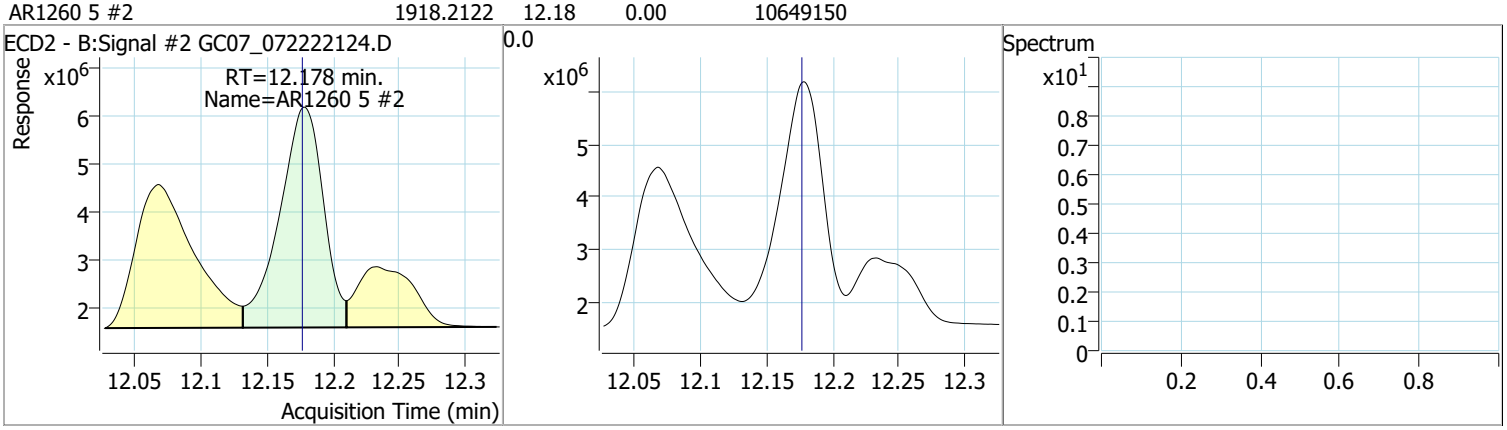
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1765.8072	11.28	0.00	20815687				



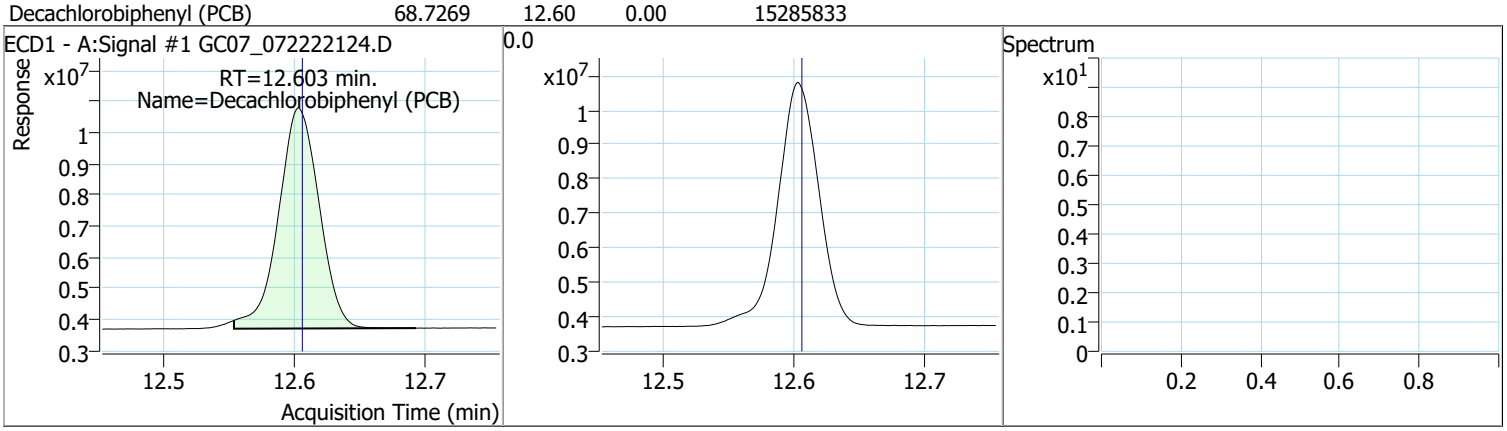
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1915.7701	11.47	0.00	6888735				



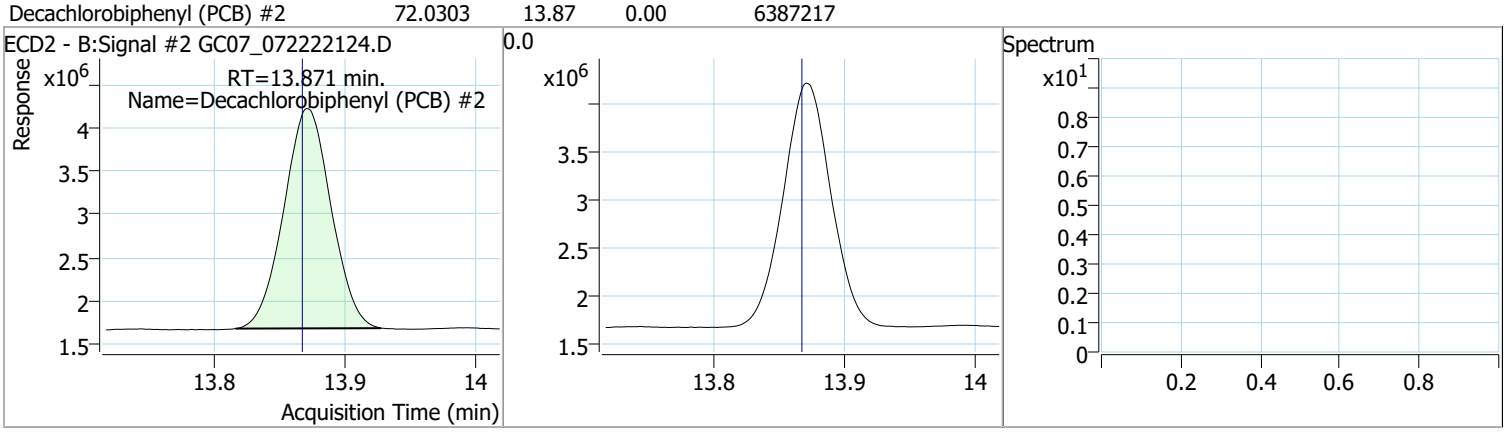
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1918.2122	12.18	0.00	10649150				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	68.7269	12.60	0.00	15285833				

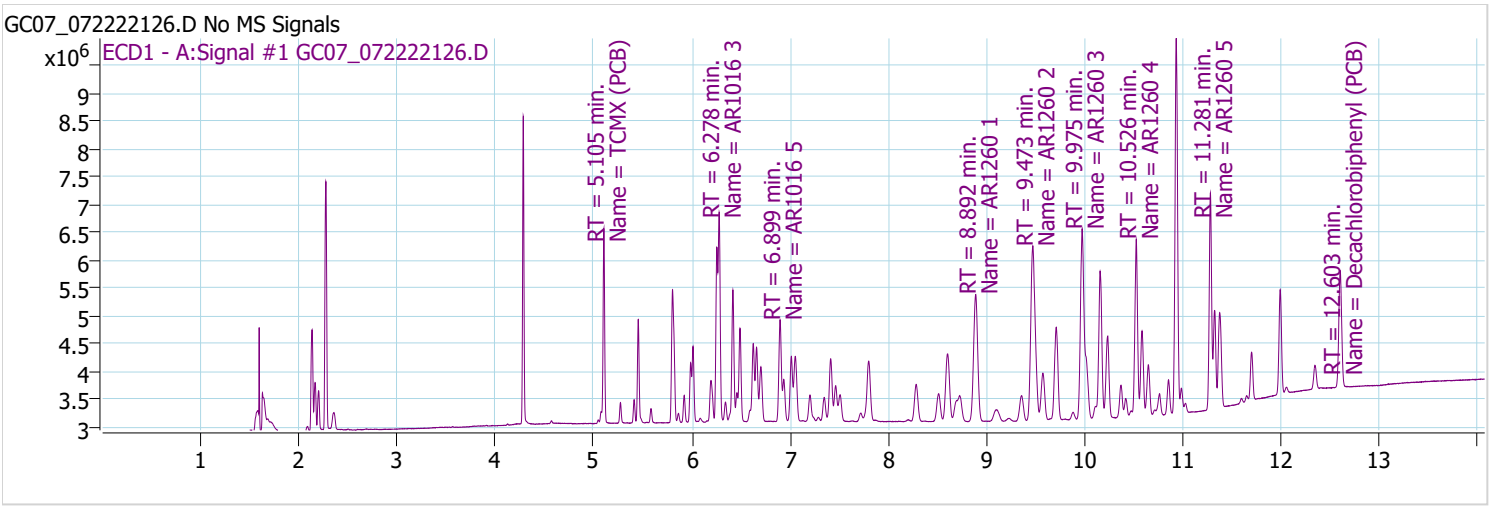


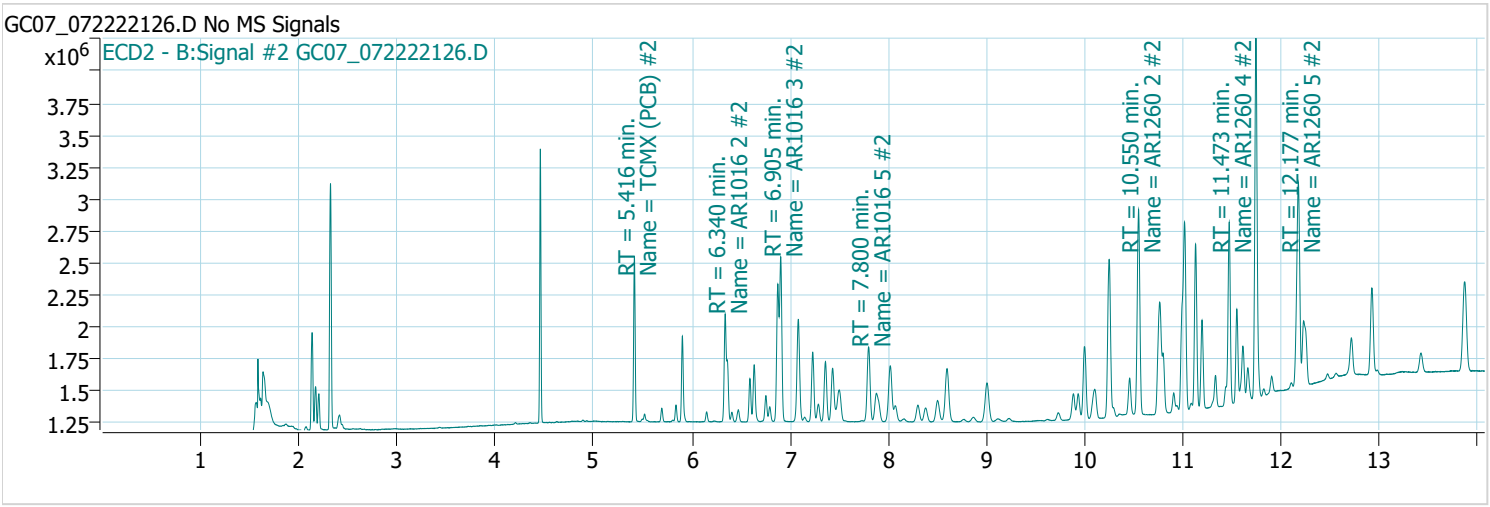
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	72.0303	13.87	0.00	6387217				



Quantitation Results Report (Not Reviewed)

Data File	GC07_072222126.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/22/2022 10:46:00 PM
Sample Name	ICV, S16460	Instrument	SVOA-GC07
Vial	90	Multiplier	1.00
DA Method File	PCB_608_072222_GC07_1.m	Comment	ICV PCB 500 PPB
Tune File	ATUNE.U	Tune Date	
Batch Name	072222PCBICAL.batch.bin	Last Calib Update	7/23/2022 5:05:17 PM
Ref Library			



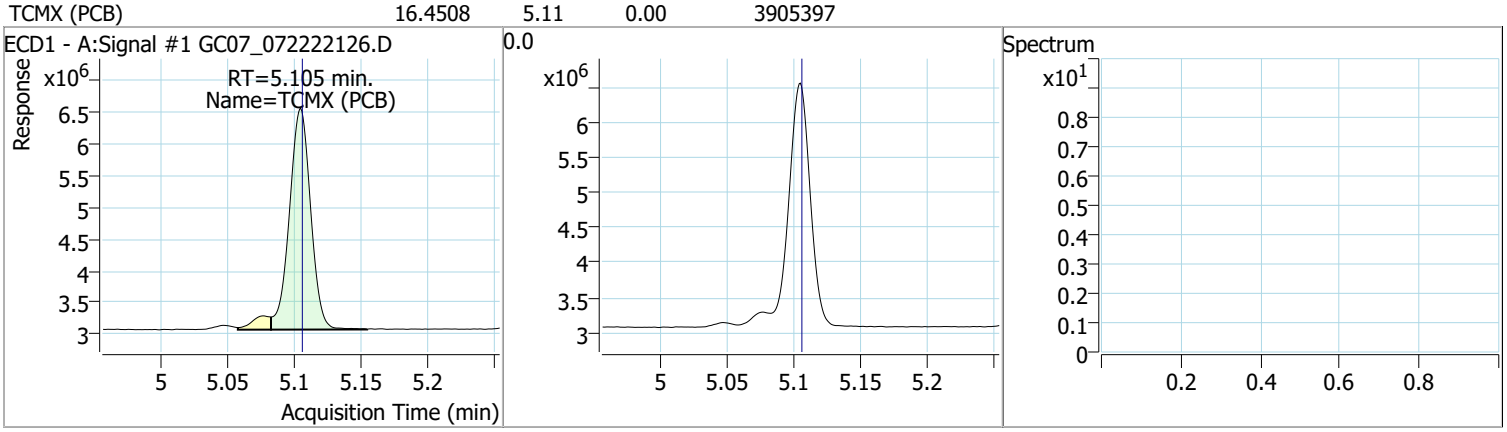


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	5274685.525	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.458	0.0	1862119.690	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.105	0.0	3905396.871	16.4508	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 82.25%		
S TCMX (PCB) #2	5.416	0.0	1403827.908	16.9722	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 84.86%		
S Decachlorobiphenyl (PCB)	12.603	0.0	4314574.390	16.8564	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 84.28%		
S Decachlorobiphenyl (PCB) #2	13.868	0.0	1863707.266	16.5477	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 82.74%		
Target Compounds						QValue

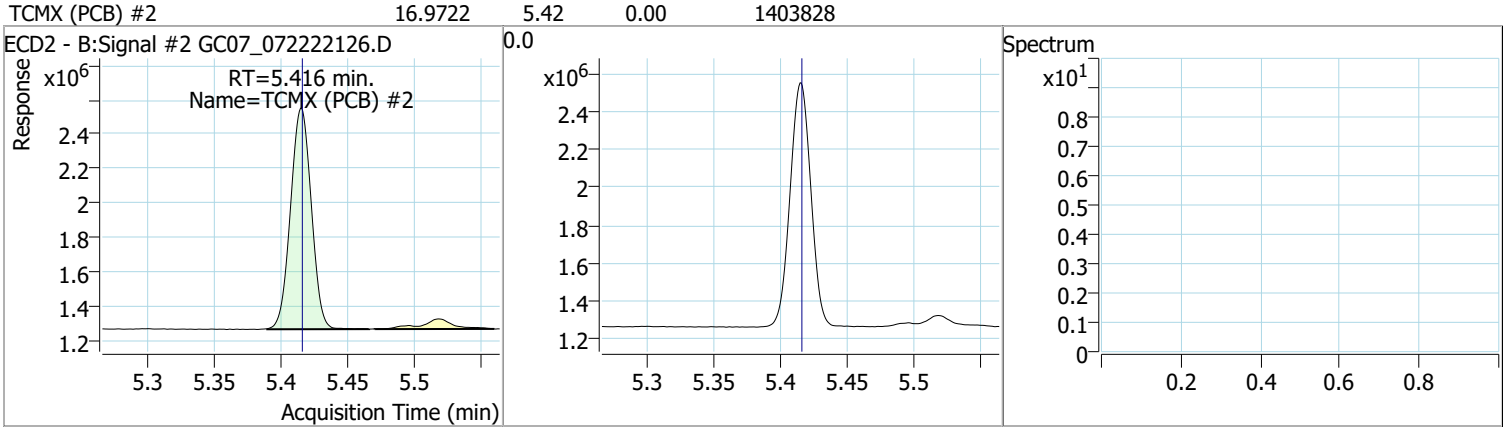
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.455	0.0	2252659.800	455.3284	ng/ml		100
T AR1016 2	5.804	0.0	4354543.858	488.5444	ng/ml		100
T AR1016 1 #2	5.904	0.0	835012.559	482.1496	ng/ml		100
T AR1016 3	6.278	0.0	5362815.466	443.9211	ng/ml		100
T AR1016 2 #2	6.340	0.0	1735397.713	460.0733	ng/ml		100
T AR1016 4	6.418	0.0	3549527.911	426.8718	ng/ml		100
T AR1016 5	6.899	0.0	3234058.569	455.6409	ng/ml		100
T AR1016 3 #2	6.905	0.0	2076524.300	453.9688	ng/ml		100
T AR1016 4 #2	7.084	0.0	1524092.483	462.0294	ng/ml		100
T AR1016 5 #2	7.800	0.0	1217392.898	474.0927	ng/ml		100
T AR1260 1	8.892	0.0	6692296.207	531.1065	ng/ml		100
T AR1260 2	9.473	0.0	9917976.560	426.2814	ng/ml		100
T AR1260 3	9.975	0.0	10418855.513	461.9080	ng/ml		100
T AR1260 1 #2	10.250	0.0	2541084.820	467.1912	ng/ml		100
T AR1260 4	10.526	0.0	5752020.704	527.8403	ng/ml		100
T AR1260 2 #2	10.550	0.0	2992626.918	464.6305	ng/ml		100
T AR1260 3 #2	11.018	0.0	3801861.552	453.3470	ng/ml		100
T AR1260 5	11.281	0.0	6566803.524	484.0574	ng/ml		100
T AR1260 4 #2	11.473	0.0	2357882.121	516.2779	ng/ml	m	100
T AR1260 5 #2	12.177	0.0	3493354.569	534.0900	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

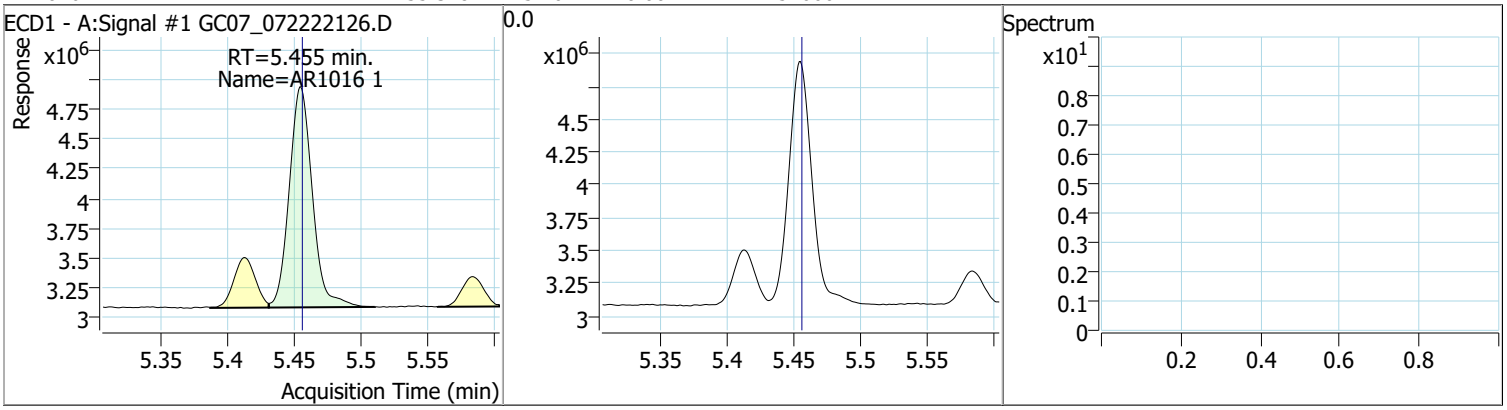
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	16.4508	5.11	0.00	3905397				



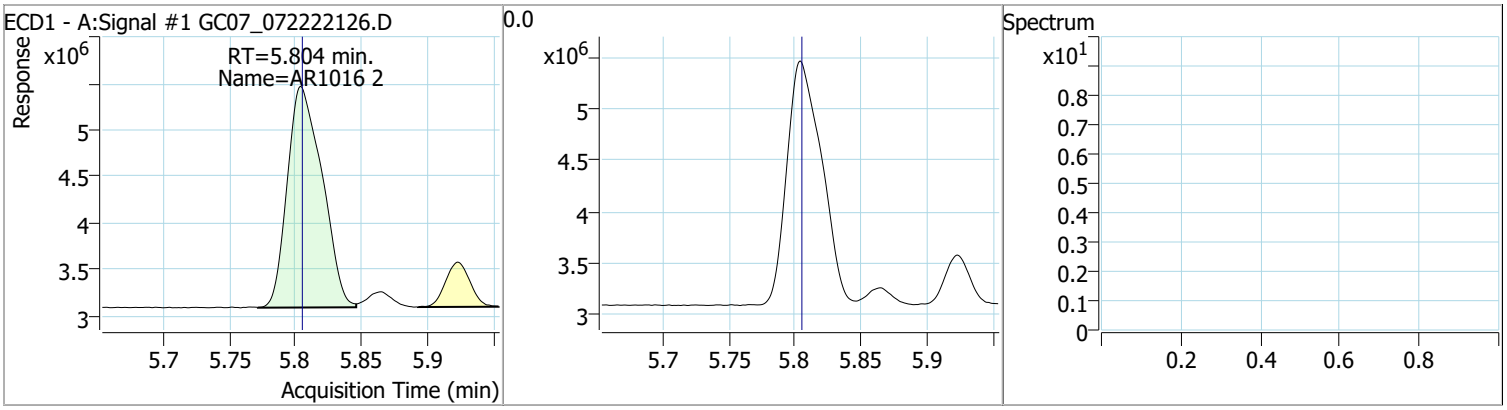
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	16.9722	5.42	0.00	1403828				



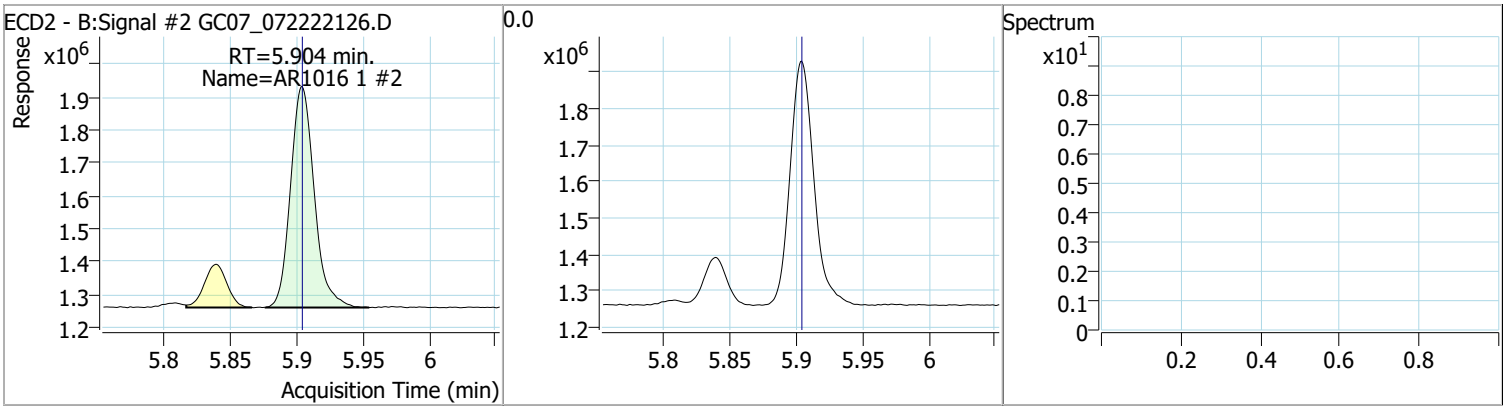
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	455.3284	5.46	0.00	2252660				



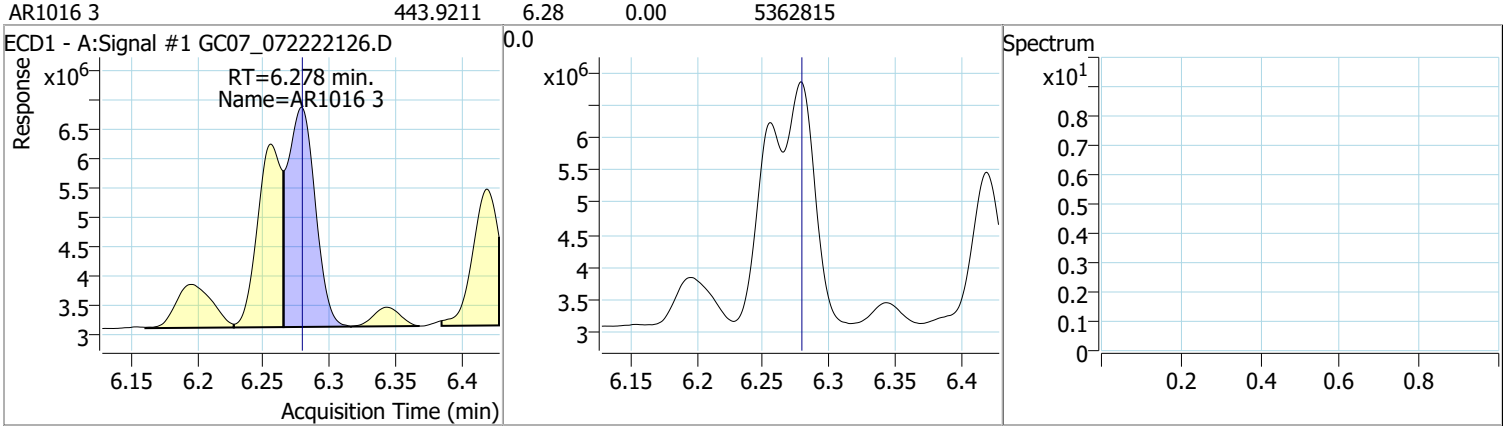
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	488.5444	5.80	0.00	4354544				



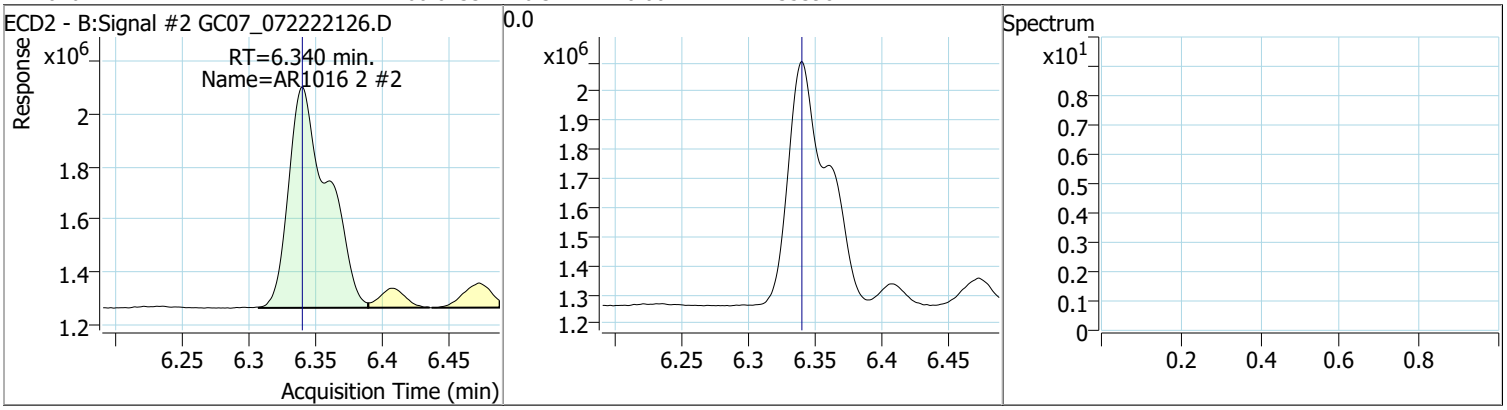
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	482.1496	5.90	0.00	835013				



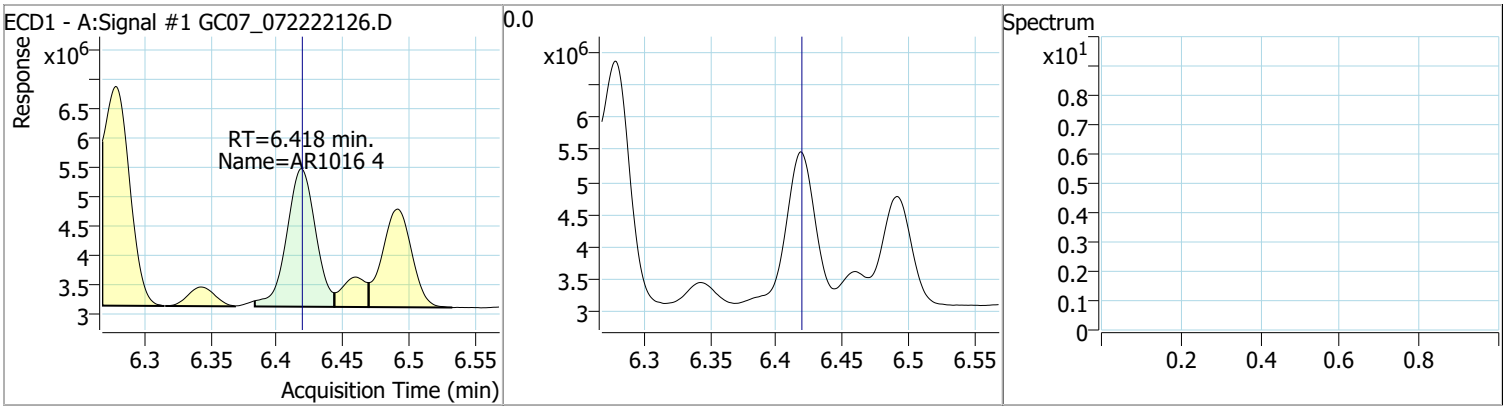
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	443.9211	6.28	0.00	5362815				



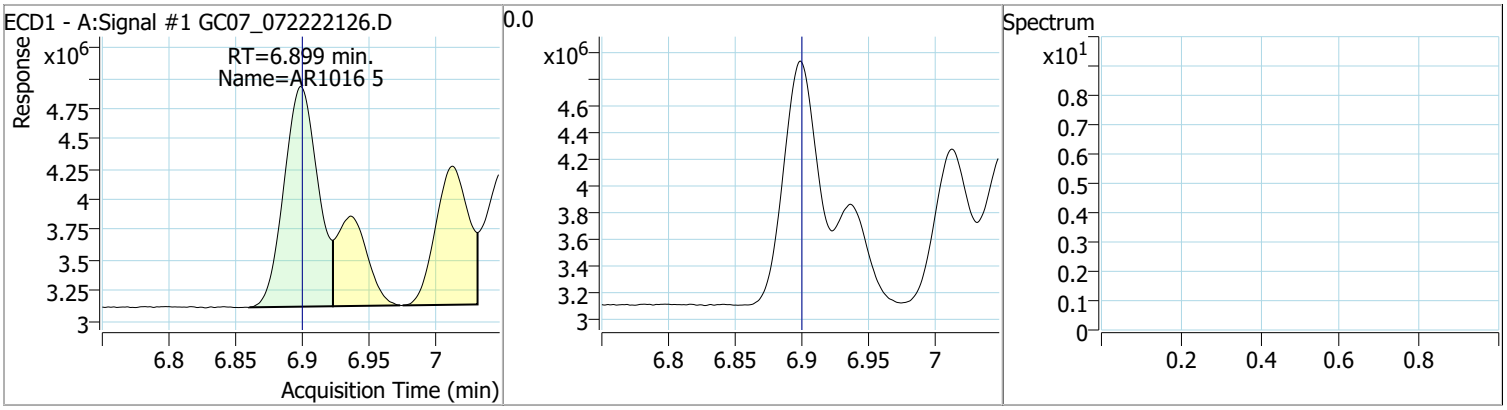
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	460.0733	6.34	0.00	1735398				



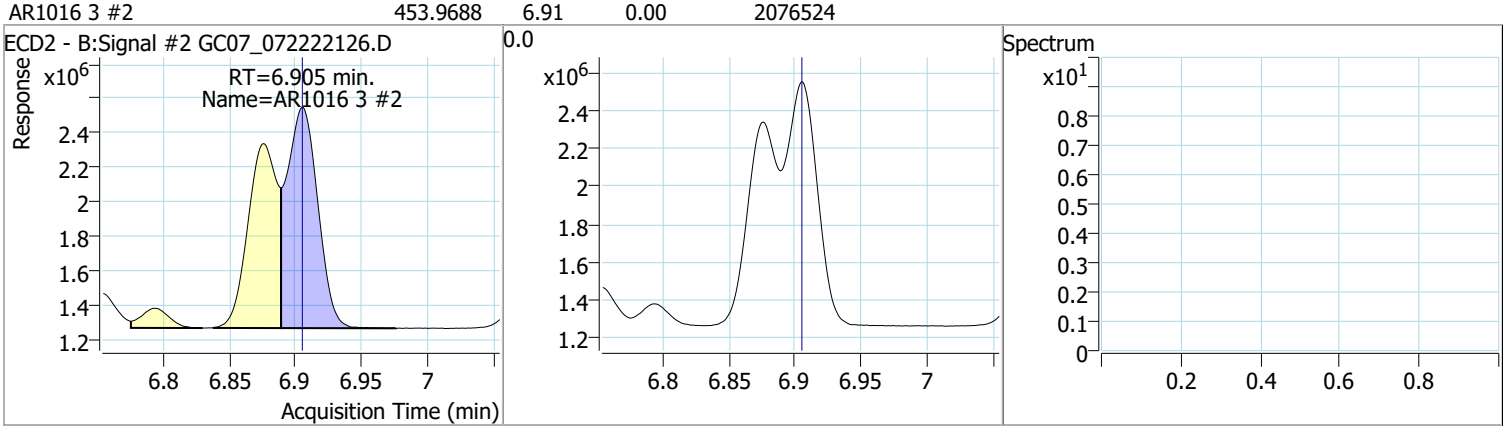
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	426.8718	6.42	0.00	3549528				



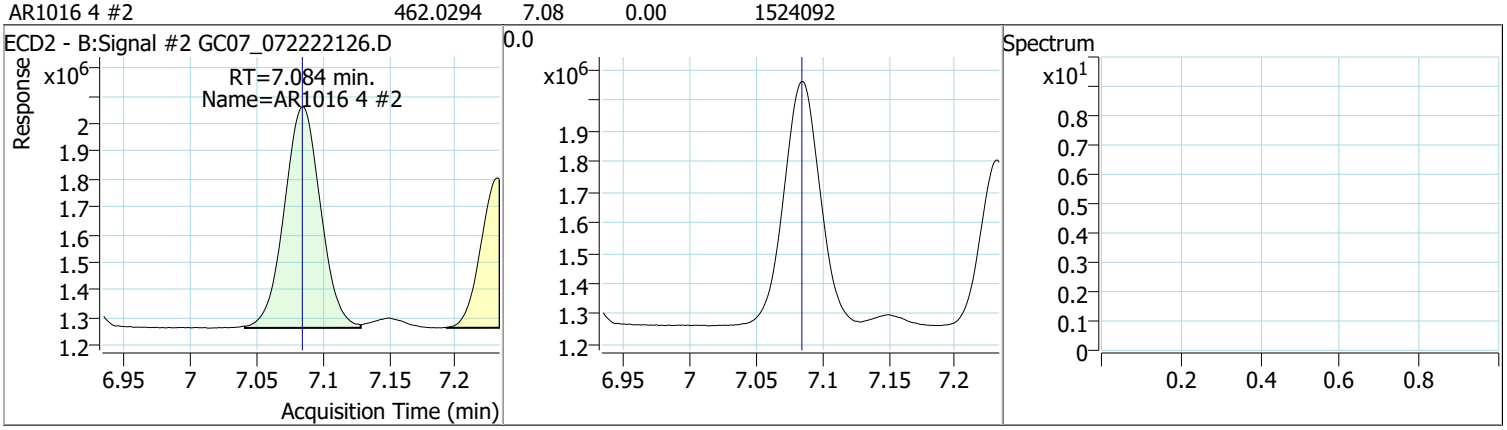
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	455.6409	6.90	0.00	3234059				



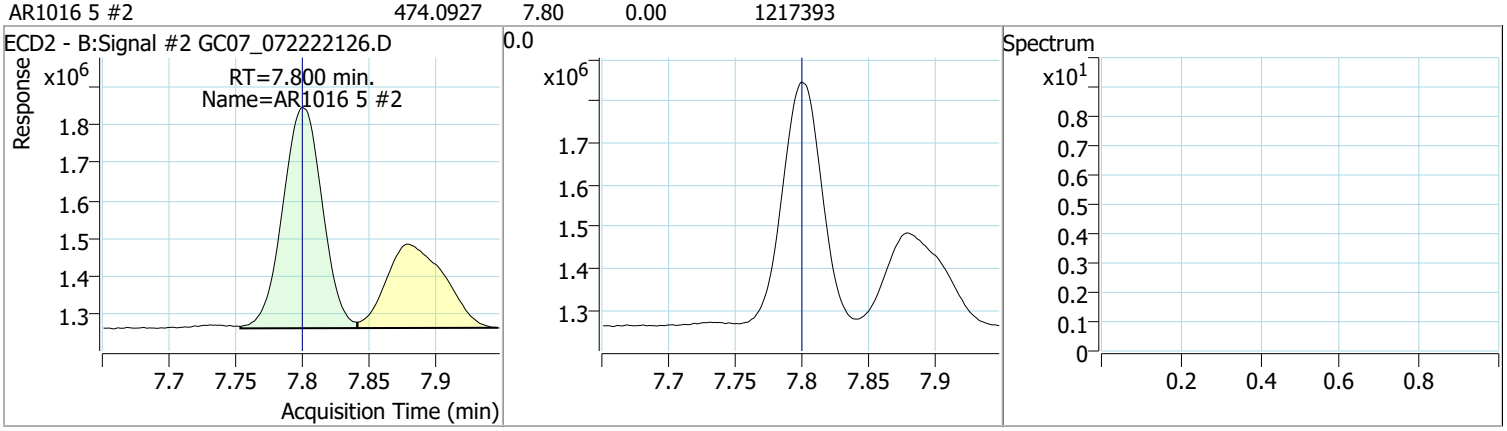
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	453.9688	6.91	0.00	2076524				



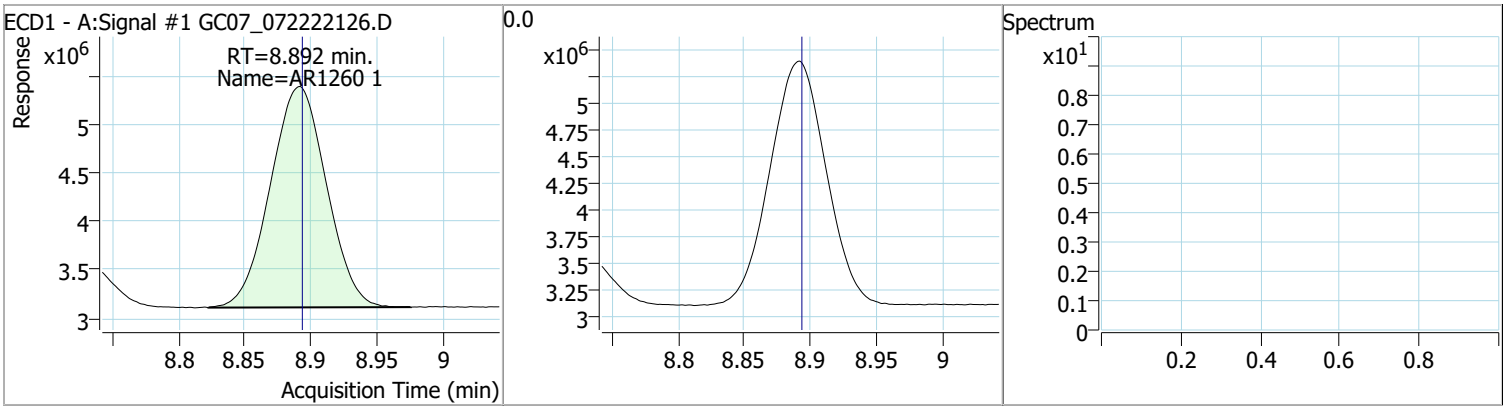
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	462.0294	7.08	0.00	1524092				



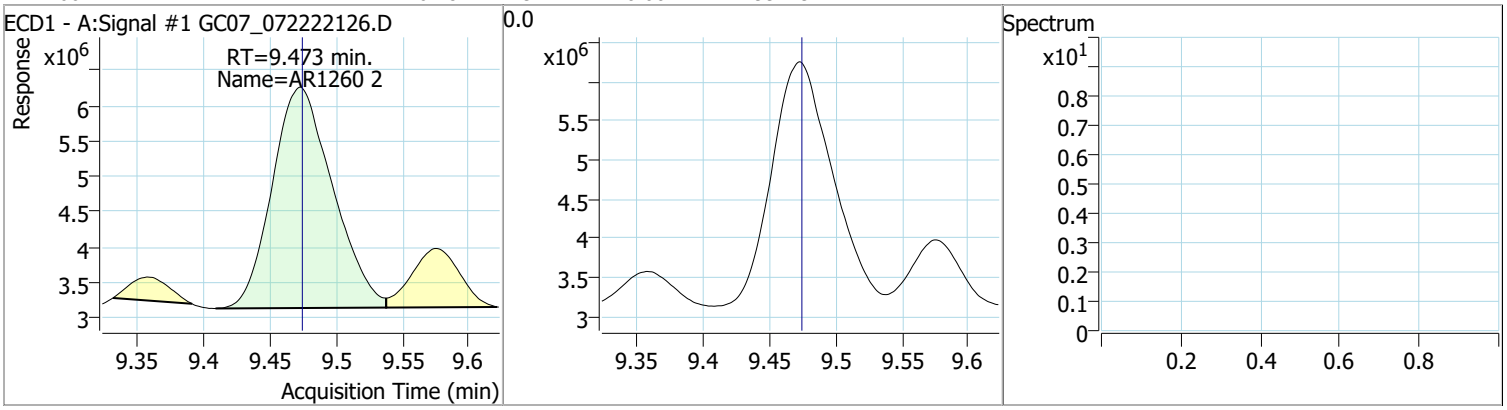
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	474.0927	7.80	0.00	1217393				



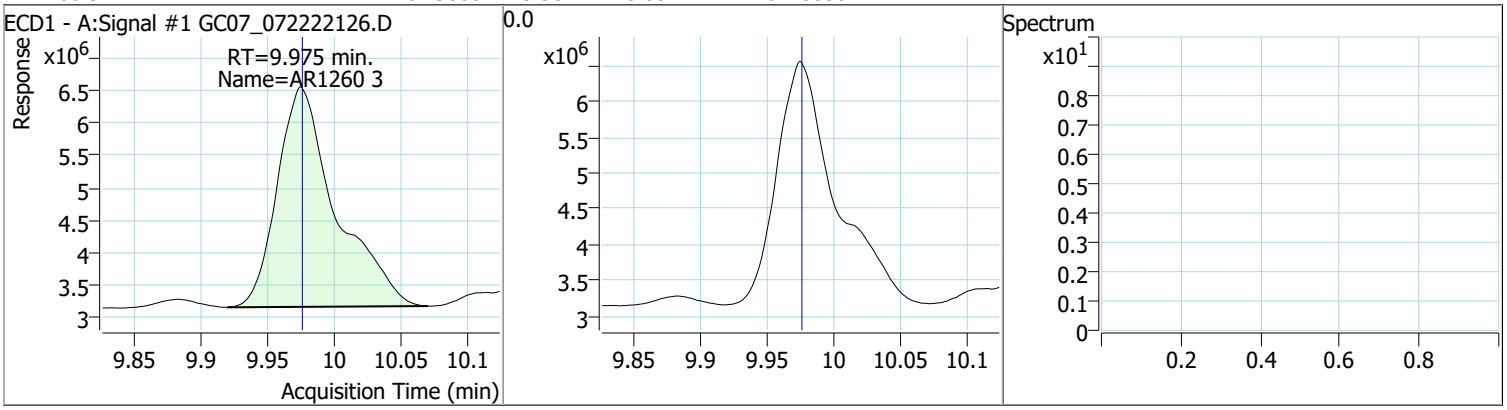
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	531.1065	8.89	0.00	6692296				



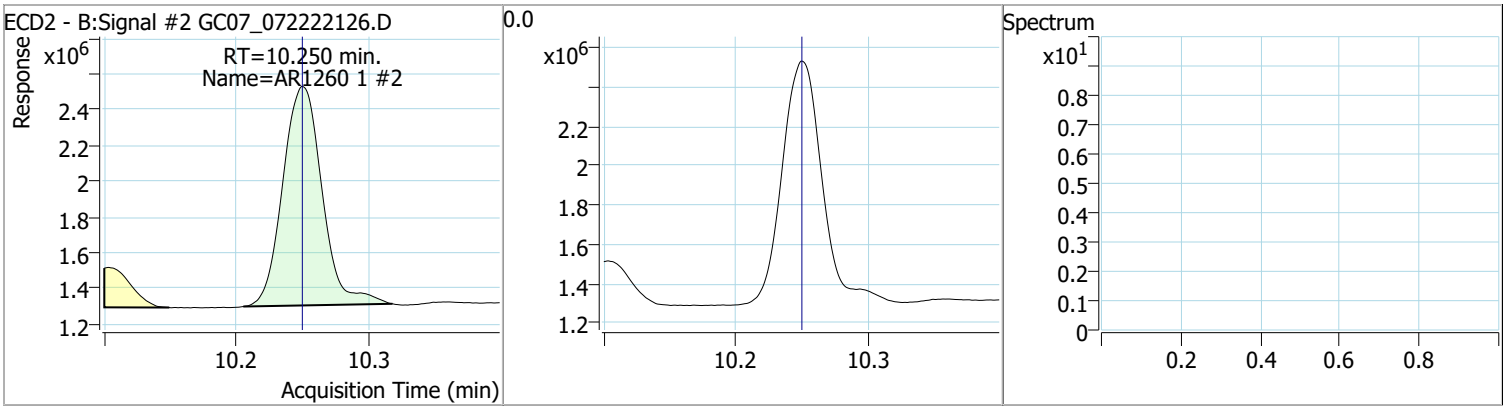
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	426.2814	9.47	0.00	9917977				



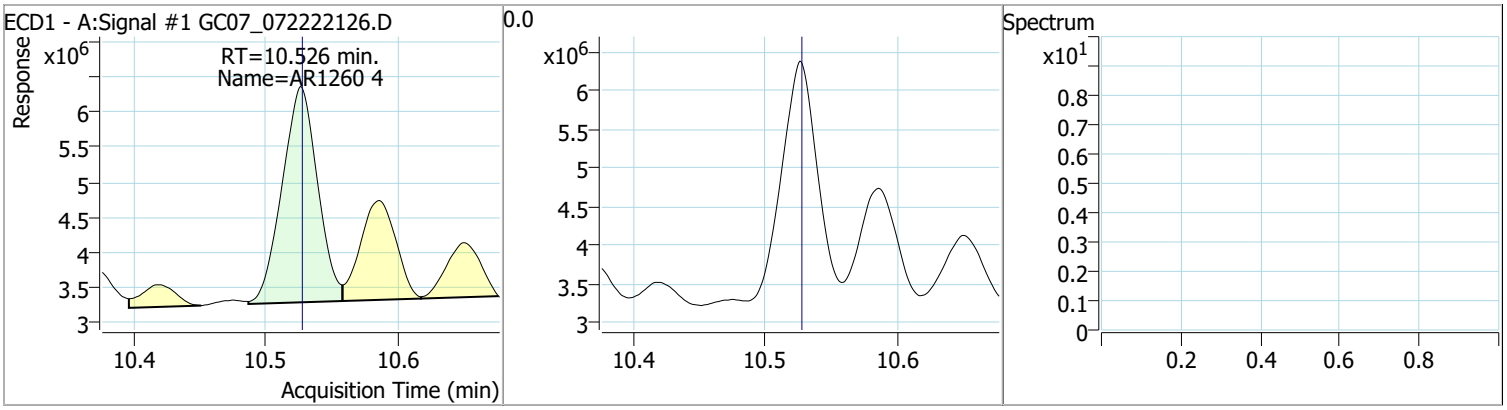
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	461.9080	9.98	0.00	10418856				



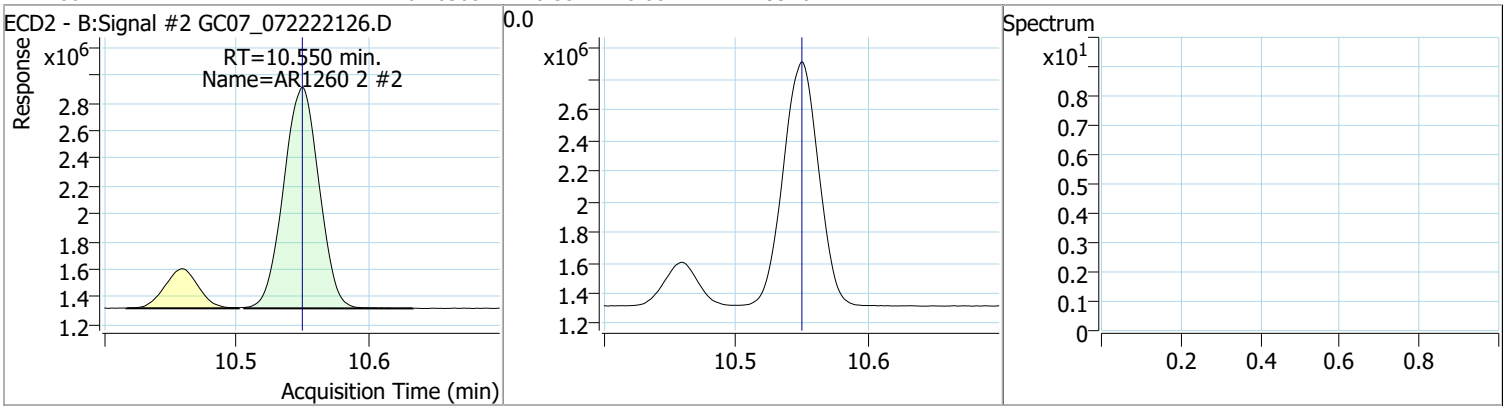
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	467.1912	10.25	0.00	2541085				



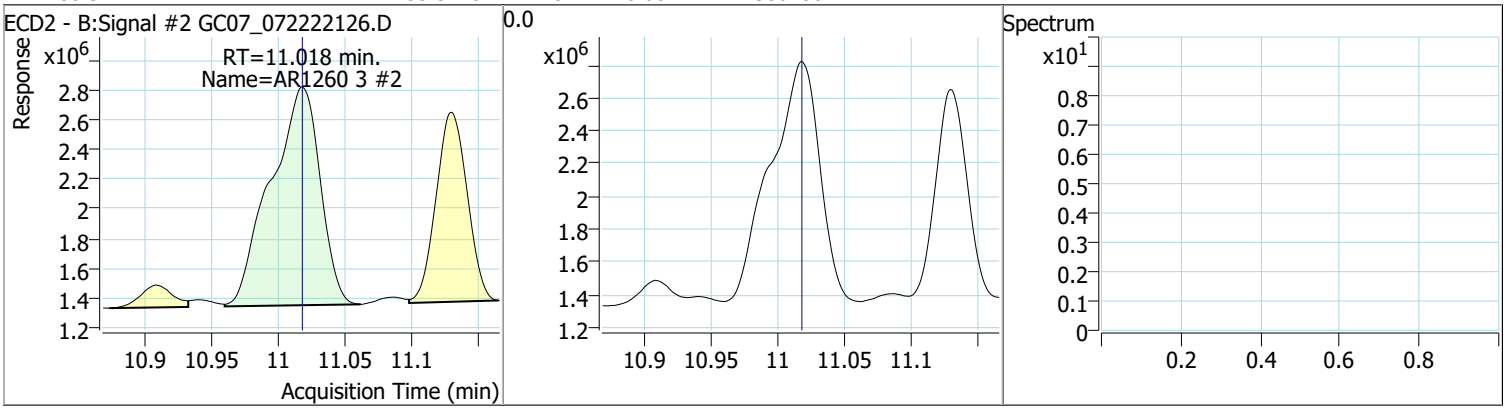
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	527.8403	10.53	0.00	5752021				



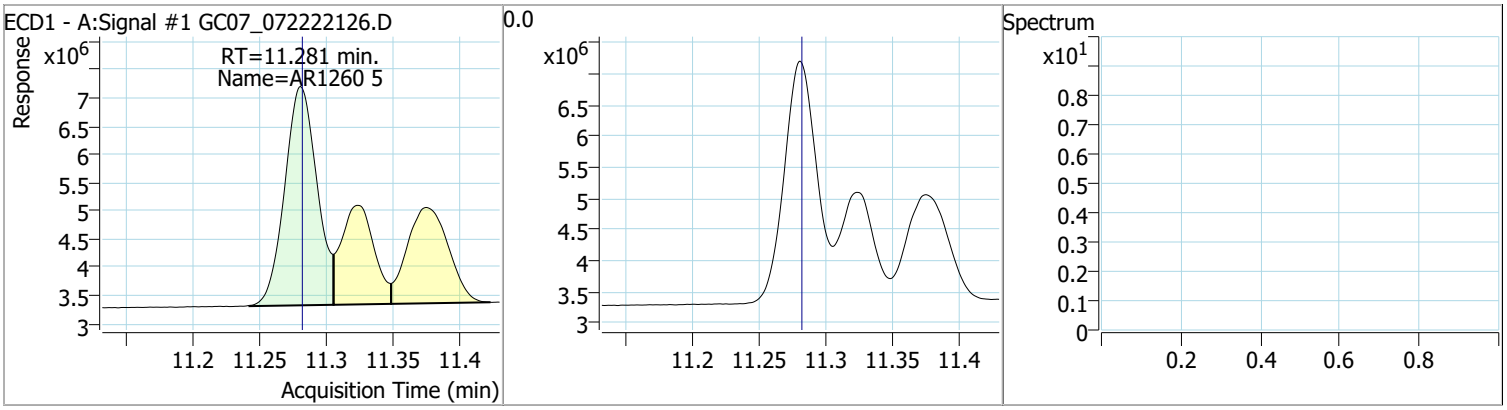
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	464.6305	10.55	0.00	2992627				



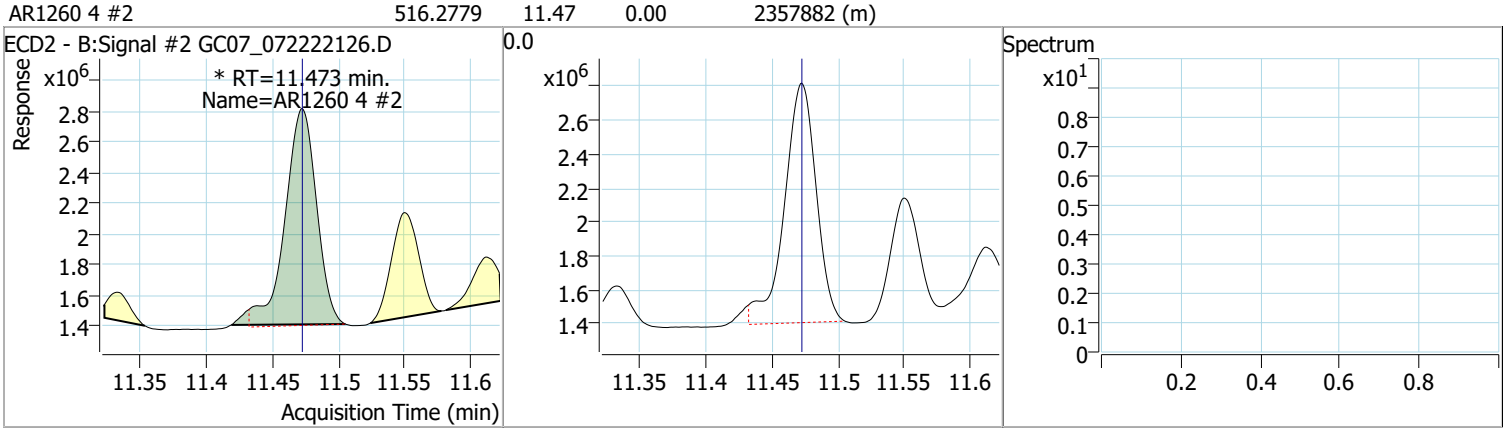
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	453.3470	11.02	0.00	3801862				



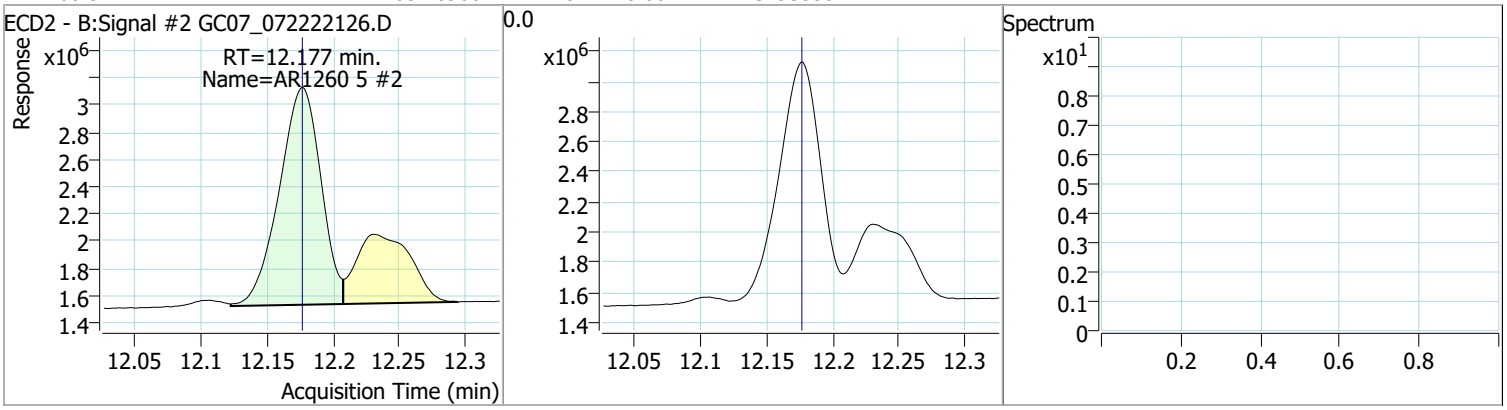
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	484.0574	11.28	0.00	6566804				



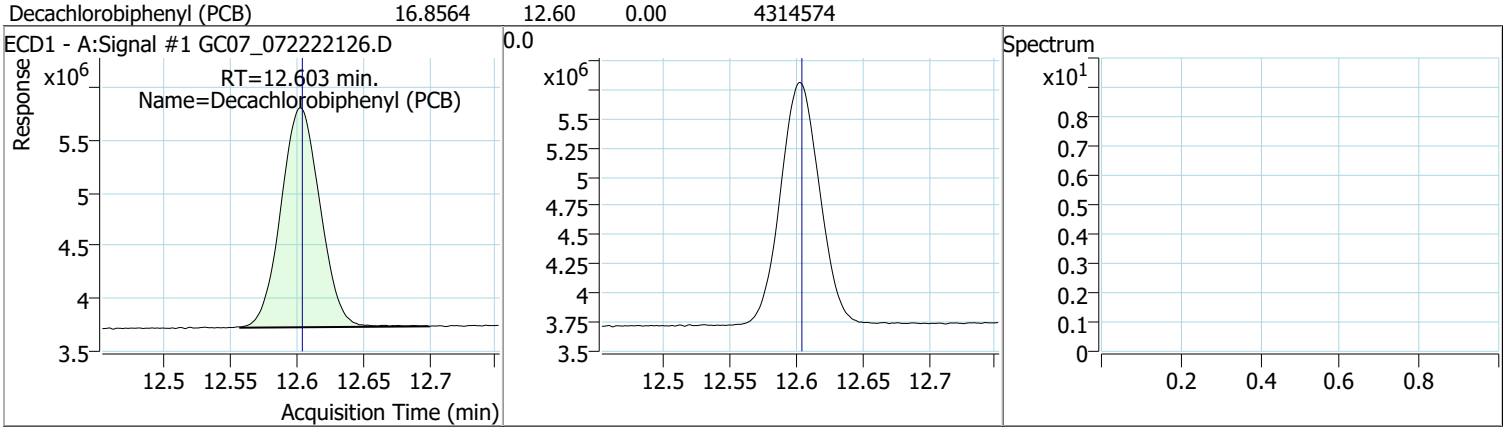
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	516.2779	11.47	0.00	2357882 (m)				



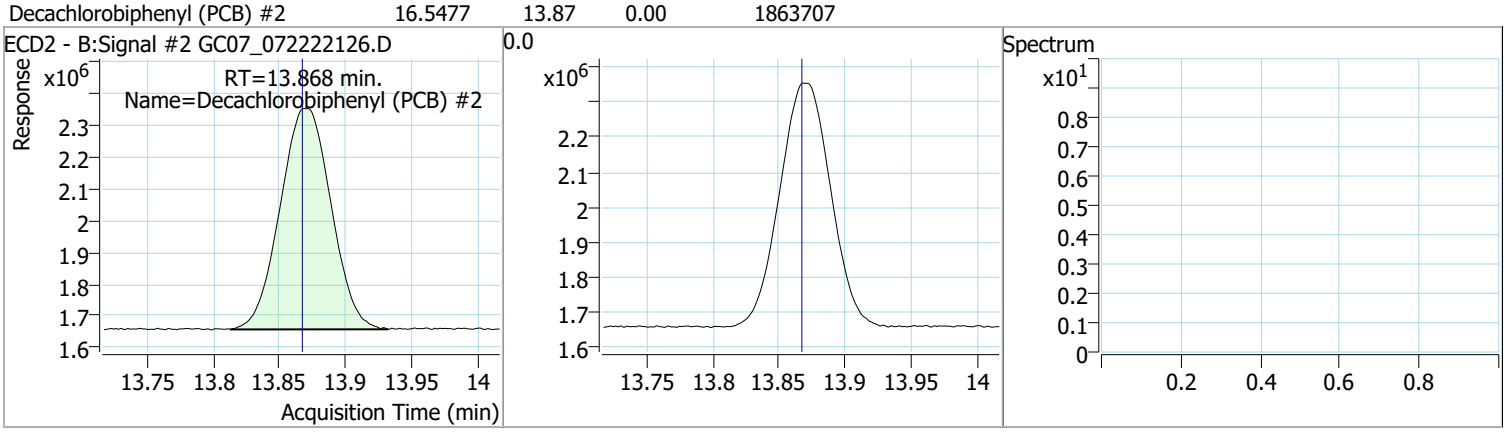
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	534.0900	12.18	0.00	3493355				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	16.8564	12.60	0.00	4314574				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	16.5477	13.87	0.00	1863707				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 465874 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	462294741004.1	File:	gc07_072322004	Time:	23-JUL-2022 17:04
Cal:	462293080002	Caldate:	22-JUL-2022		

Standards: S17006

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	454.5	ug/L	-9	15	0.0000	
Aroclor-1260	A			500.0	472.6	ug/L	-5	15	0.0000	
Decachlorobiphenyl (PCB)	A	0.9700	0.8242	20.00	16.99	pg/uL	-15	15	0.0000	
TCMX (PCB)	A	0.8997	0.7529	20.00	16.74	pg/uL	**-16**	15	0.0000	c-
Aroclor-1016	B			500.0	458.8	ug/L	-8	15	0.0000	
Aroclor-1260	B			500.0	487.4	ug/L	-3	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2091	1.0083	20.00	16.68	pg/uL	**-17**	15	0.0000	c-
TCMX (PCB)	B	0.8879	0.7499	20.00	16.89	pg/uL	**-16**	15	0.0000	c-

ISTD (ICAL gc07_072222117)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1415027	1700652	20.19
1-bromo-2-nitrobenzene (PCB)	A	4027378	4666126	15.86

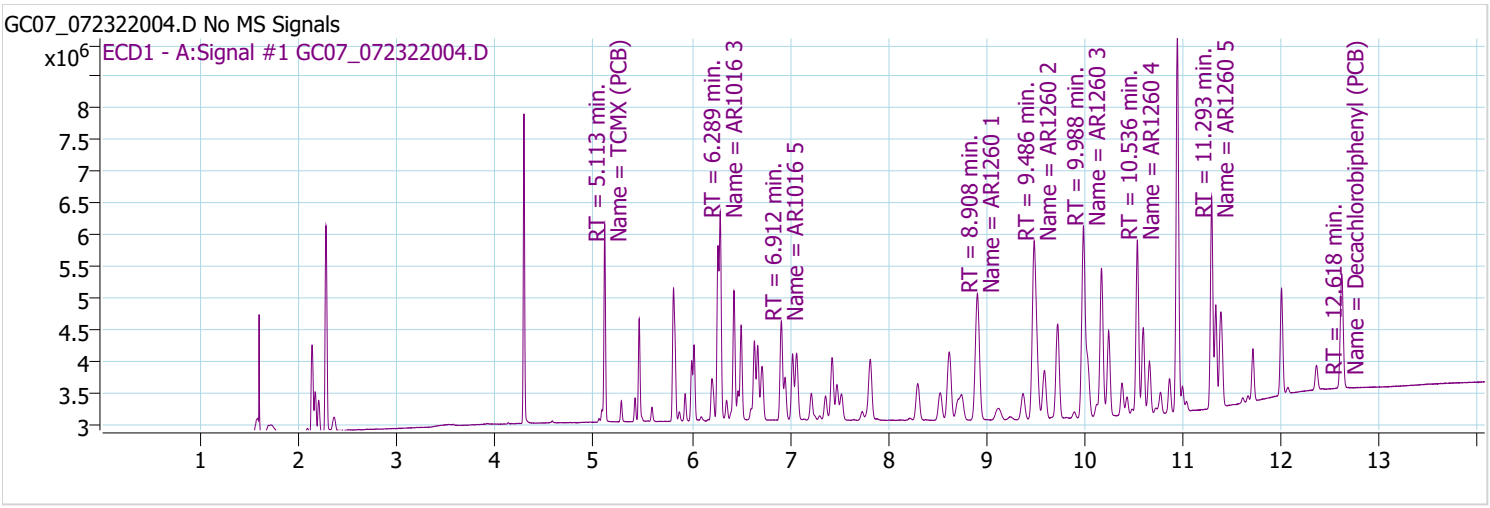
TRN 07/25/22 [Aroclor-1260 B]: Corrected fronting or tailing peak integration for Ch. B.

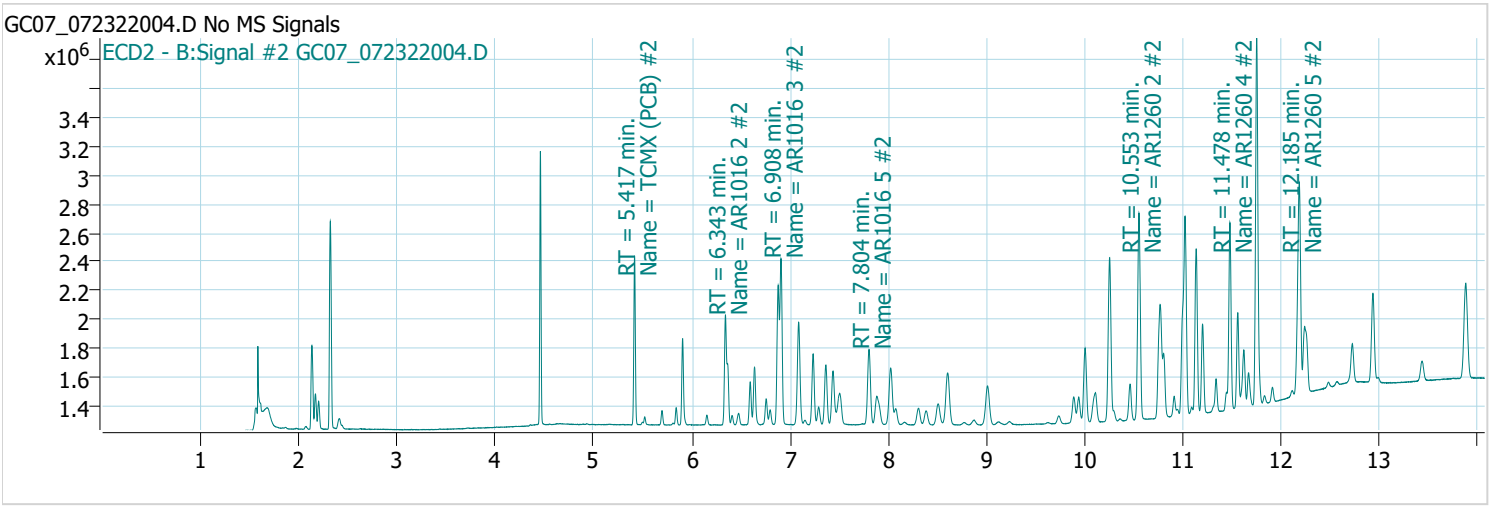
-=low bias c=CCV

Analyst: TRN 07/25/22 **Reviewer:** SLL 07/25/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_072322004.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/23/2022 5:04:40 PM
Sample Name	CCV, S17006	Instrument	SVOA-GC07
Vial	144	Multiplier	1.00
DA Method File	PCB_608_072222_GC07_1.m	Comment	500 PPB PCB
Tune File	ATUNE.U	Tune Date	
Batch Name	072322PCB.batch.bin	Last Calib Update	7/23/2022 5:05:17 PM
Ref Library			



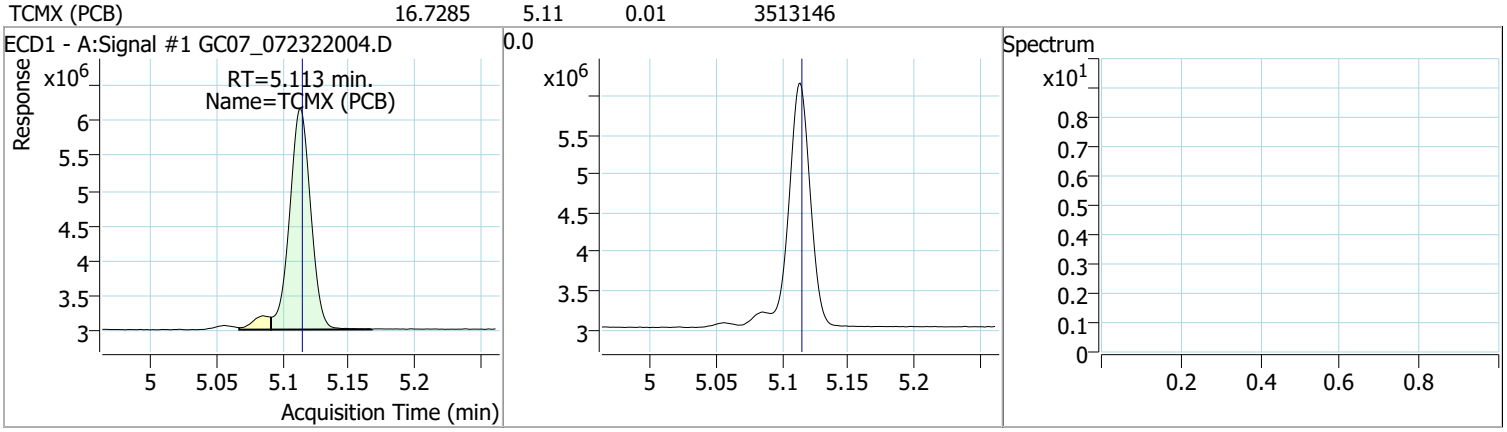


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.291	0.0	4666125.875	20.0000	ng/ml	0.007
M 1-bromo-2-nitrobenzene (PCB) #2	4.458	0.0	1700652.482	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.113	0.0	3513146.238	16.7285	ng/ml	0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 83.64%		
S TCMX (PCB) #2	5.417	0.0	1275367.679	16.8830	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 84.42%		
S Decachlorobiphenyl (PCB)	12.618	0.0	3845843.451	16.9848	ng/ml	0.015
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 84.92%		
S Decachlorobiphenyl (PCB) #2	13.880	0.0	1714752.685	16.6707	ng/ml	0.012
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 83.35%		
Target Compounds						QValue

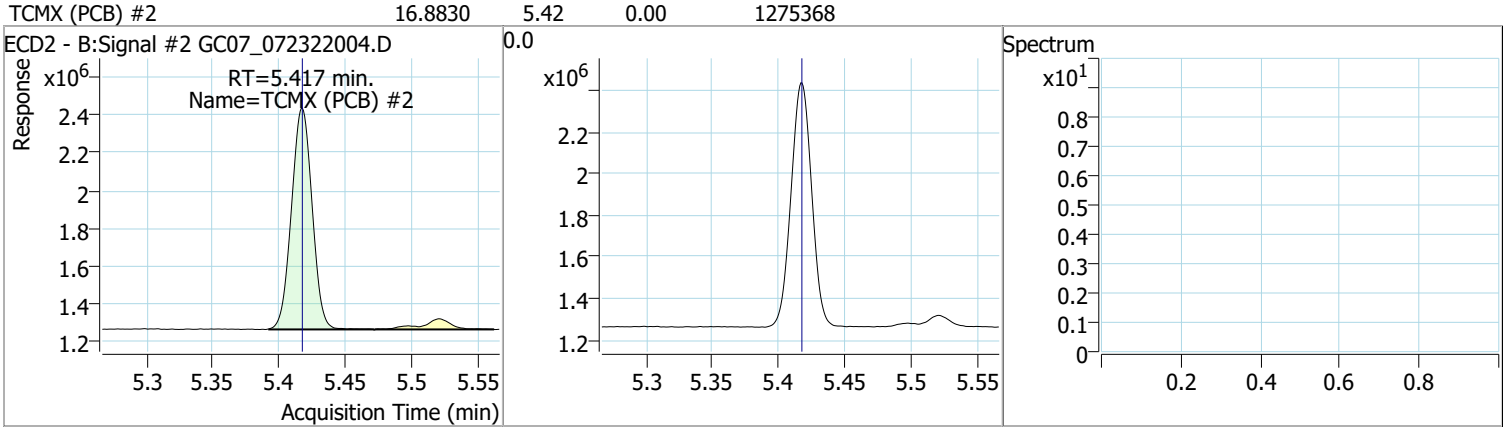
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.464	0.0	2004943.997	458.1119	ng/ml		100
T AR1016 2	5.814	0.0	3859344.367	489.5204	ng/ml		100
T AR1016 1 #2	5.906	0.0	755504.624	477.6590	ng/ml		100
T AR1016 3	6.289	0.0	4700442.498	439.8371	ng/ml		100
T AR1016 2 #2	6.343	0.0	1556735.083	451.8921	ng/ml		100
T AR1016 4	6.429	0.0	3113324.810	423.2446	ng/ml		100
T AR1016 5	6.912	0.0	2892162.337	460.6145	ng/ml		100
T AR1016 3 #2	6.908	0.0	1877028.592	449.3160	ng/ml		100
T AR1016 4 #2	7.088	0.0	1361326.483	451.8690	ng/ml		100
T AR1016 5 #2	7.804	0.0	1083757.226	462.1219	ng/ml		100
T AR1260 1	8.908	0.0	5930882.038	532.1175	ng/ml		100
T AR1260 2	9.486	0.0	8648497.677	420.1981	ng/ml		100
T AR1260 3	9.988	0.0	8081220.062	404.9976	ng/ml		100
T AR1260 1 #2	10.254	0.0	2351908.337	473.4650	ng/ml		100
T AR1260 4	10.536	0.0	5020599.998	520.8083	ng/ml		100
T AR1260 2 #2	10.553	0.0	2686685.113	456.7346	ng/ml		100
T AR1260 3 #2	11.022	0.0	3430081.559	447.8483	ng/ml		100
T AR1260 5	11.293	0.0	5805774.424	483.7747	ng/ml		100
T AR1260 4 #2	11.478	0.0	2174431.475	521.3138	ng/ml	m	100
T AR1260 5 #2	12.185	0.0	3202447.040	536.0811	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

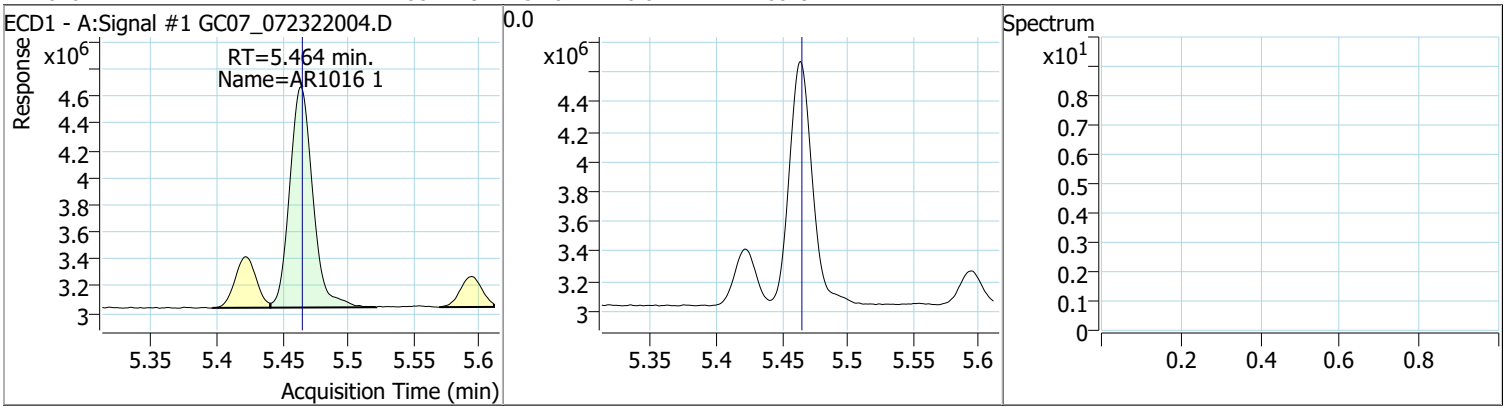
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	16.7285	5.11	0.01	3513146				



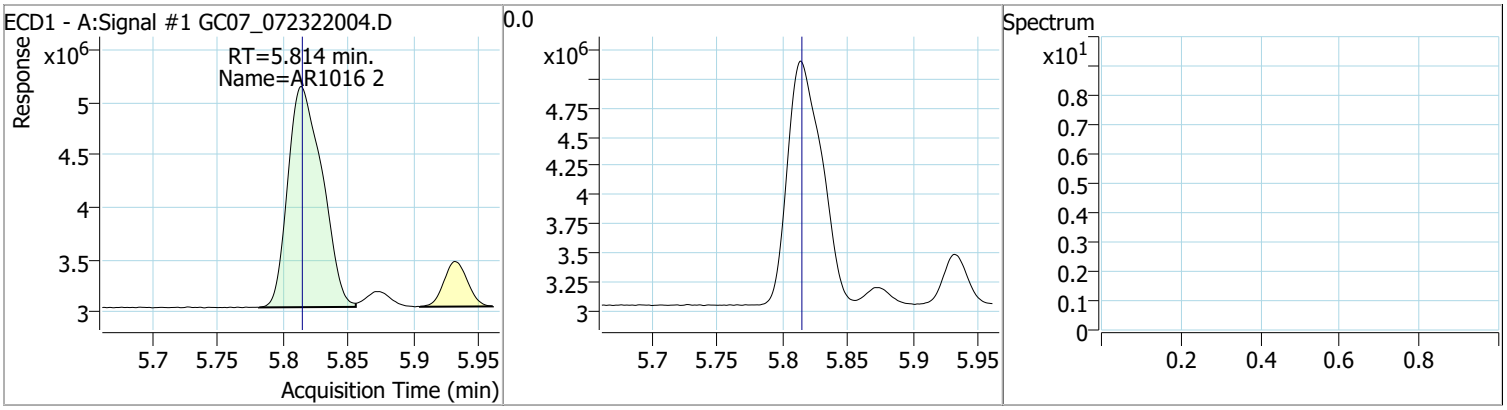
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	16.8830	5.42	0.00	1275368				



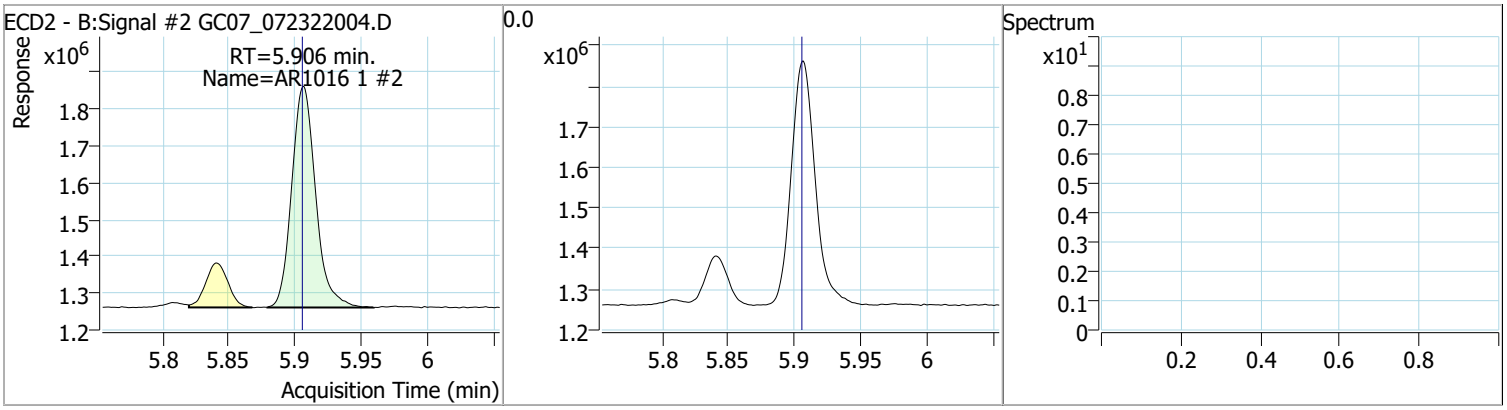
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	458.1119	5.46	0.01	2004944				



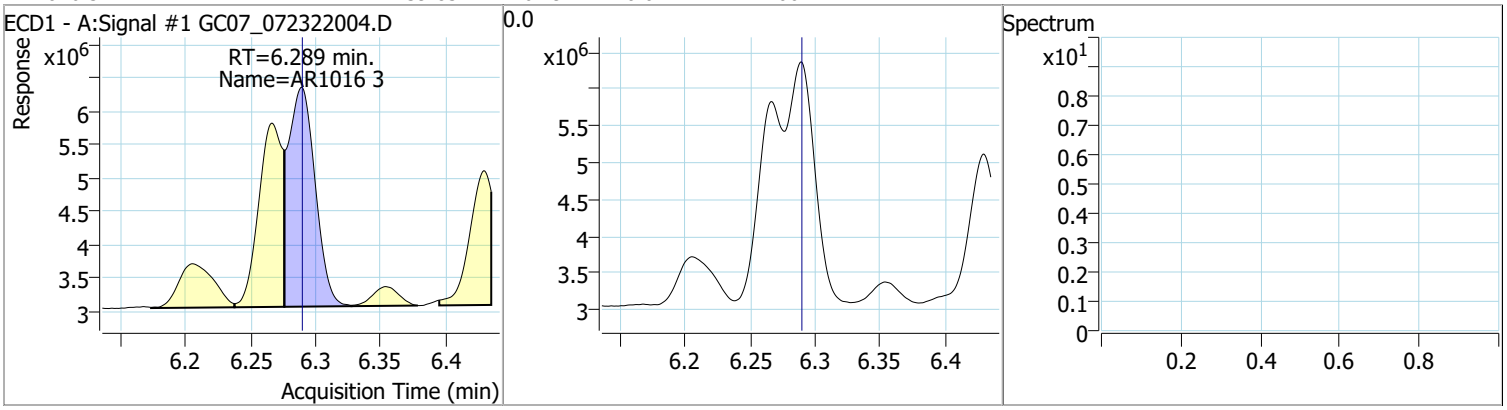
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	489.5204	5.81	0.01	3859344				



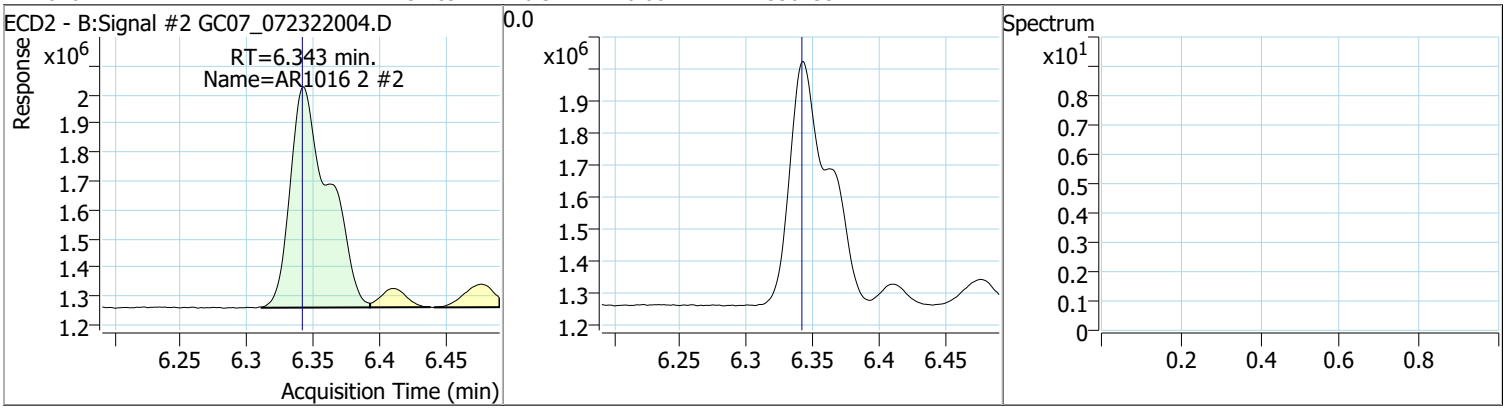
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	477.6590	5.91	0.00	755505				



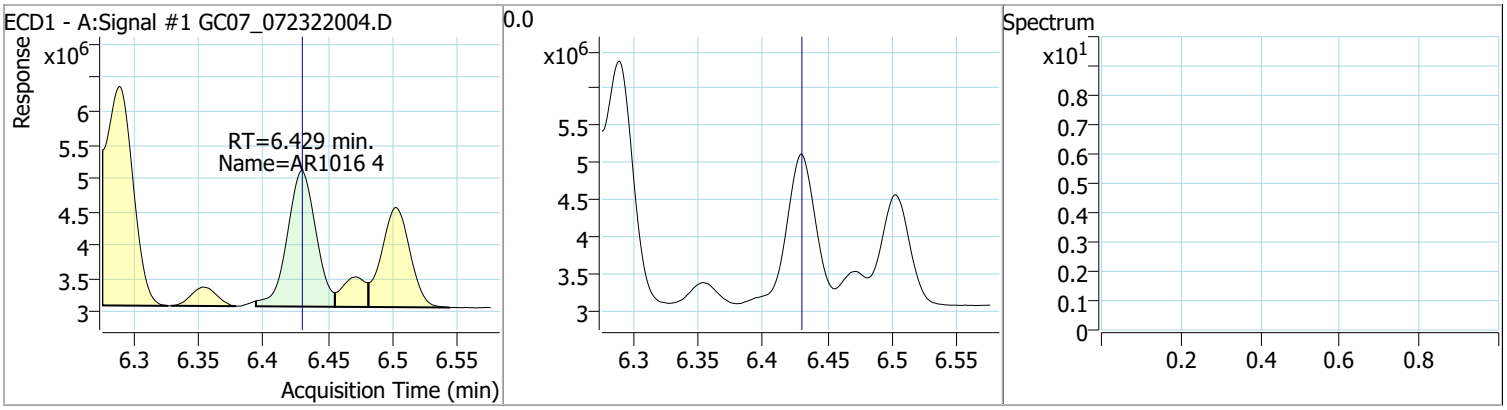
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	439.8371	6.29	0.01	4700442				



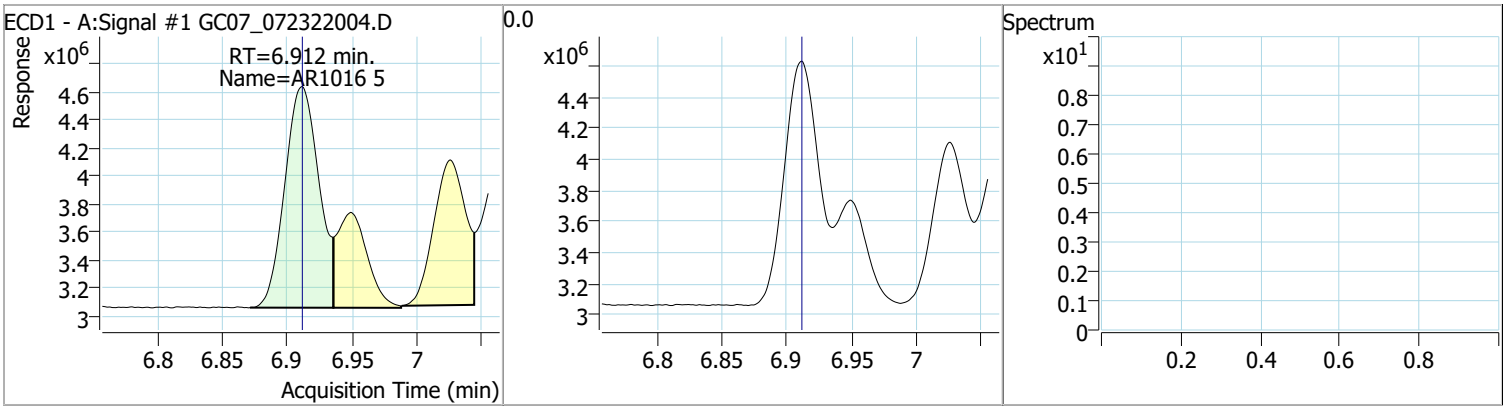
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	451.8921	6.34	0.00	1556735				



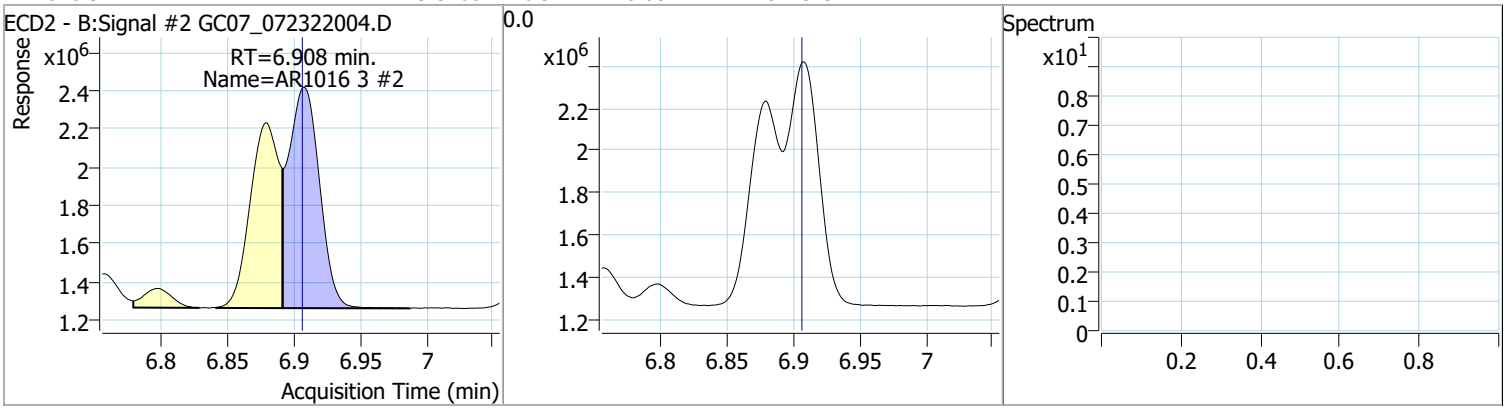
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	423.2446	6.43	0.01	3113325				



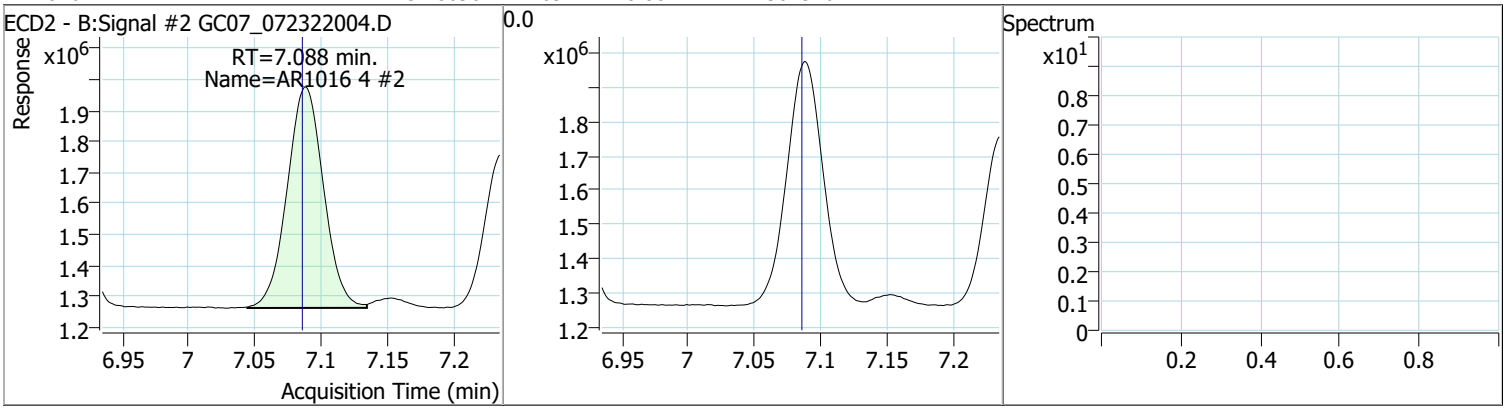
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	460.6145	6.91	0.01	2892162				



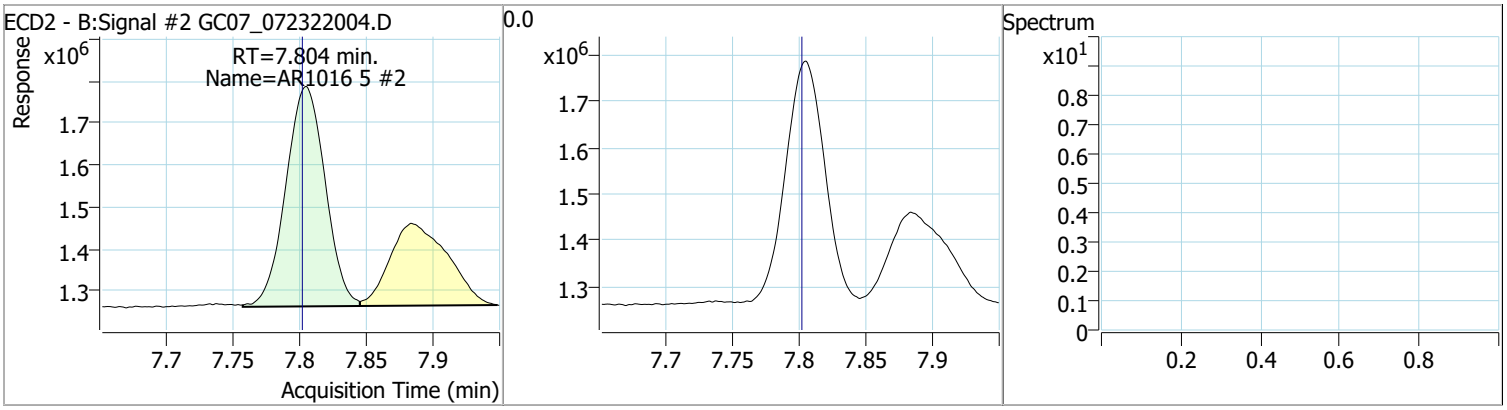
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	449.3160	6.91	0.00	1877029				



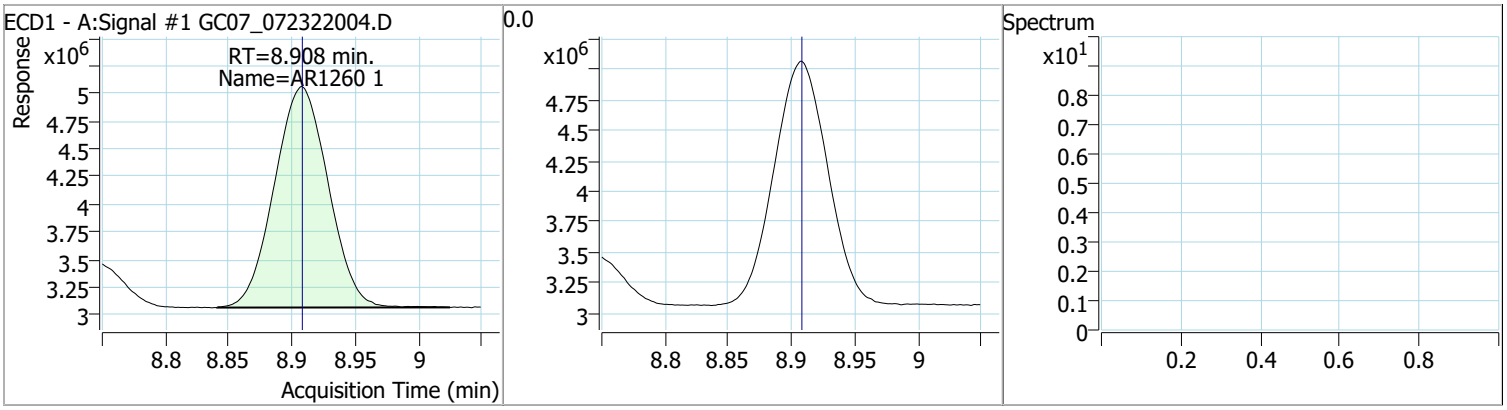
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	451.8690	7.09	0.00	1361326				



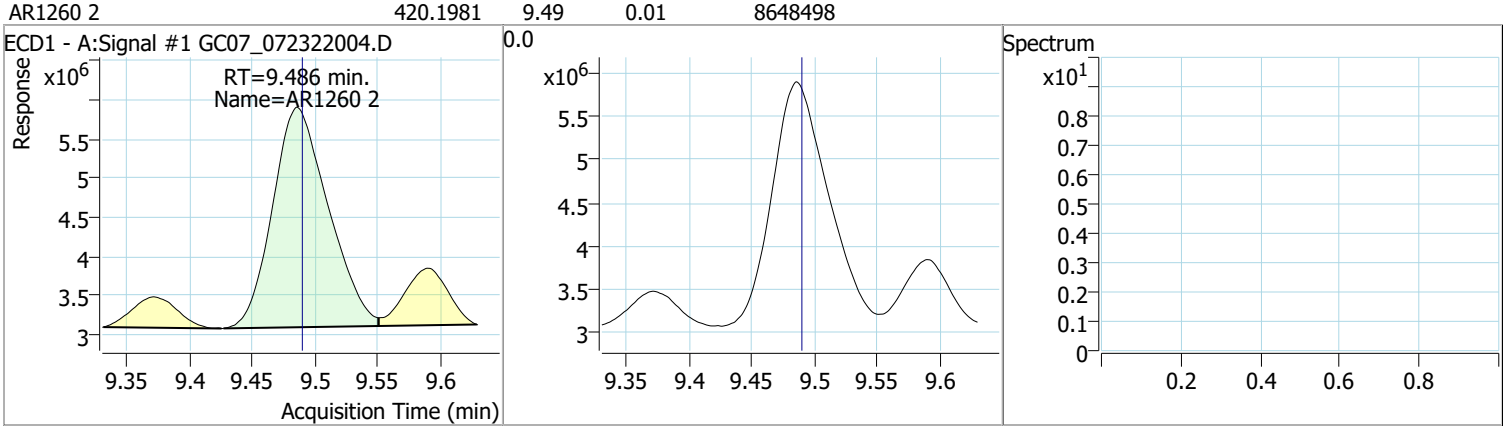
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	462.1219	7.80	0.00	1083757				



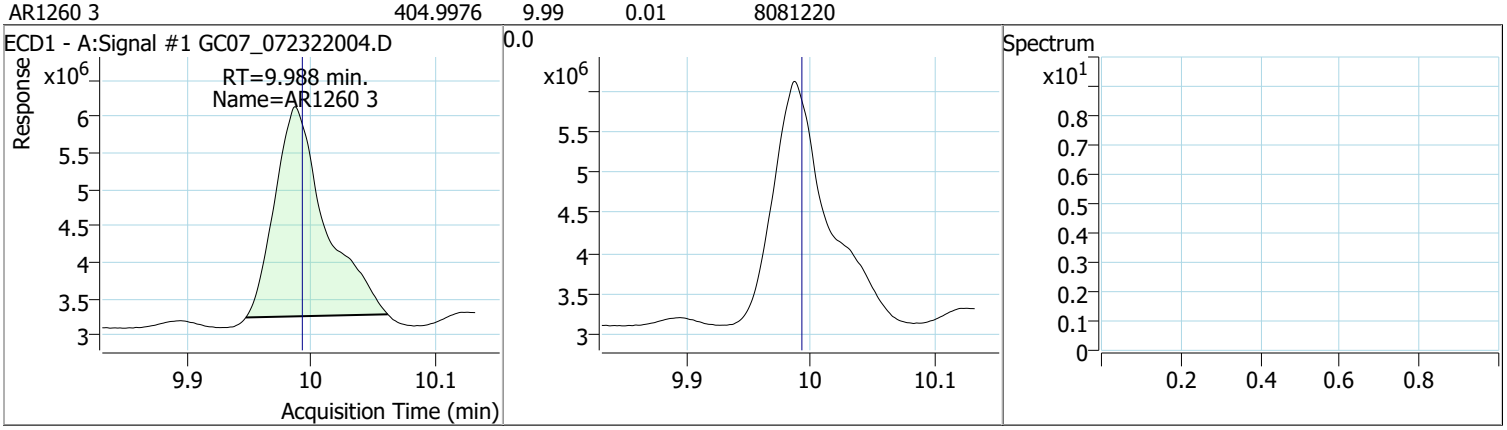
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	532.1175	8.91	0.02	5930882				



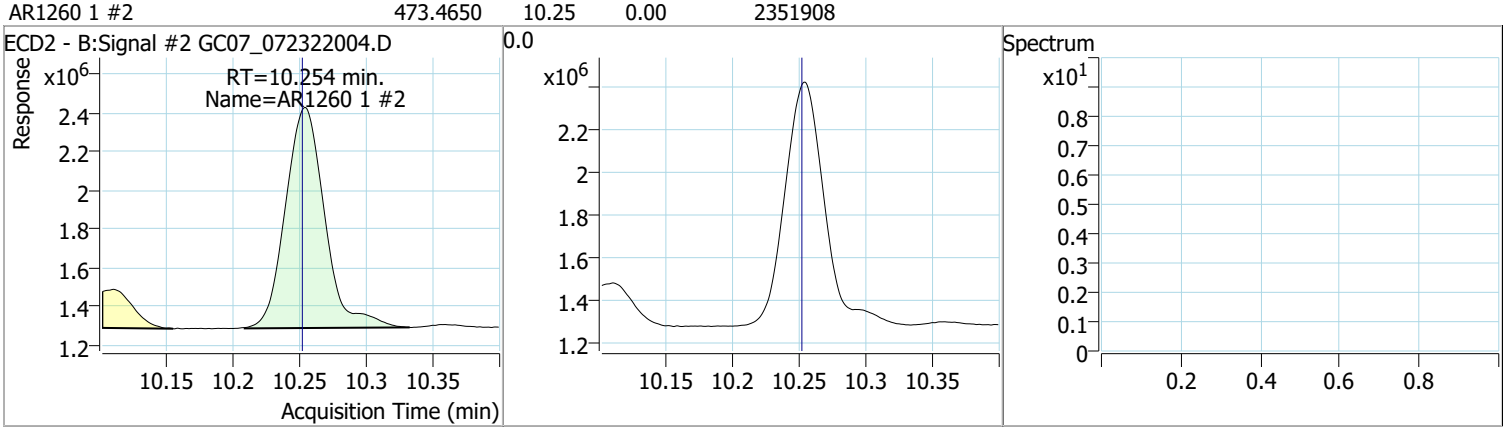
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	420.1981	9.49	0.01	8648498				



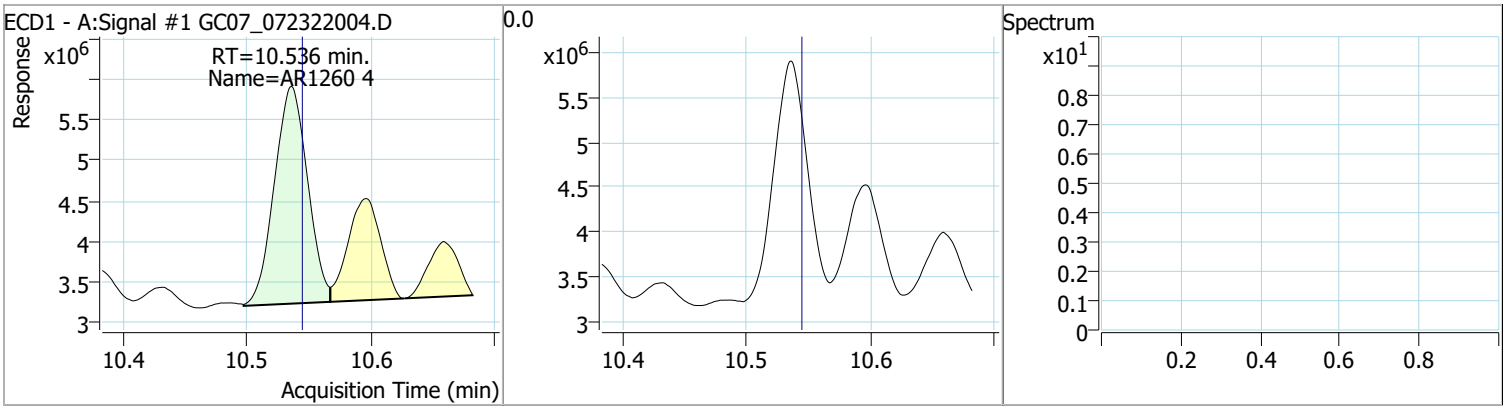
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	404.9976	9.99	0.01	8081220				



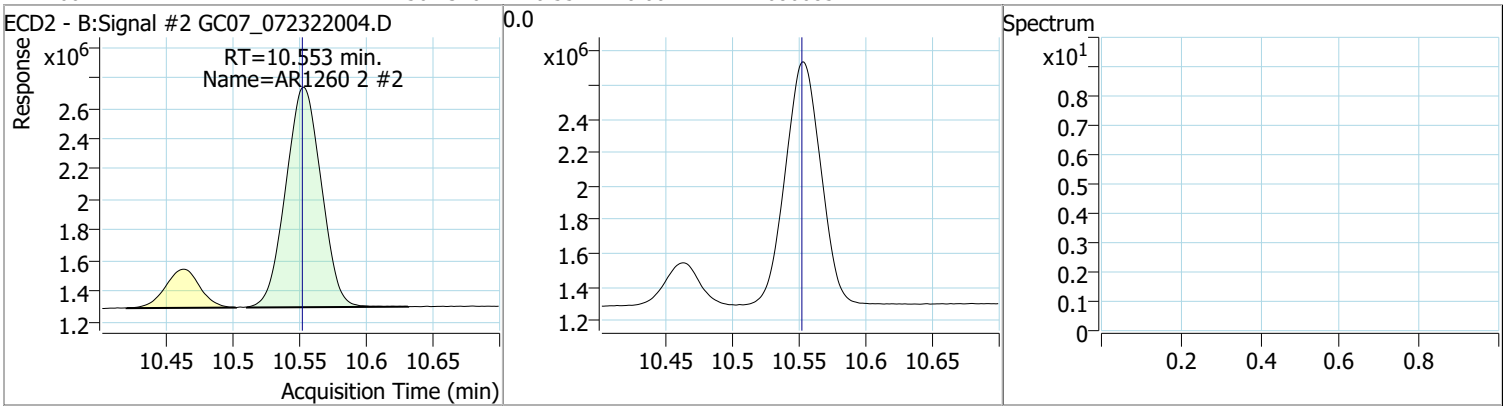
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	473.4650	10.25	0.00	2351908				



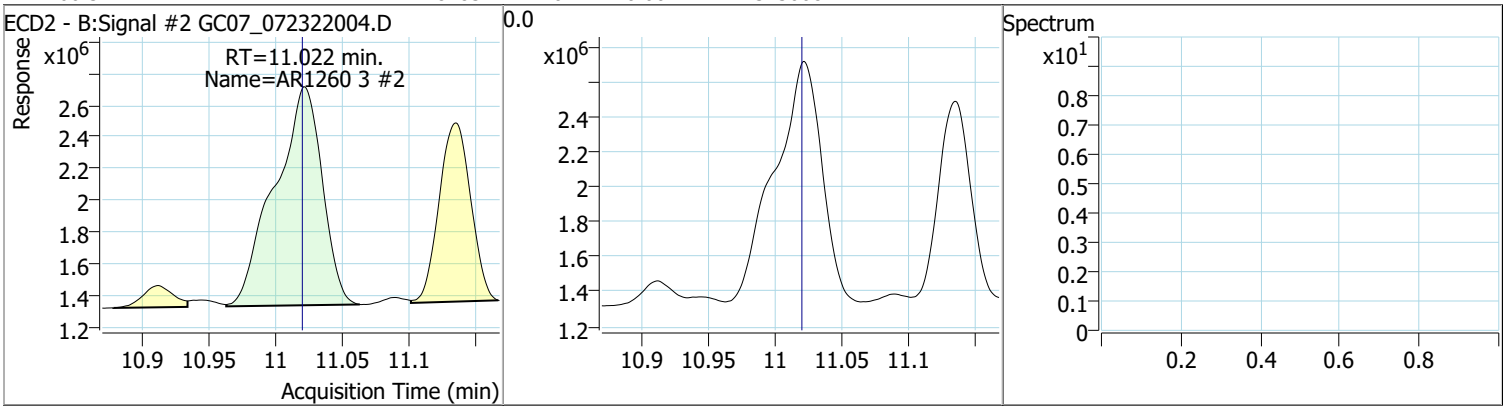
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	520.8083	10.54	0.01	5020600				



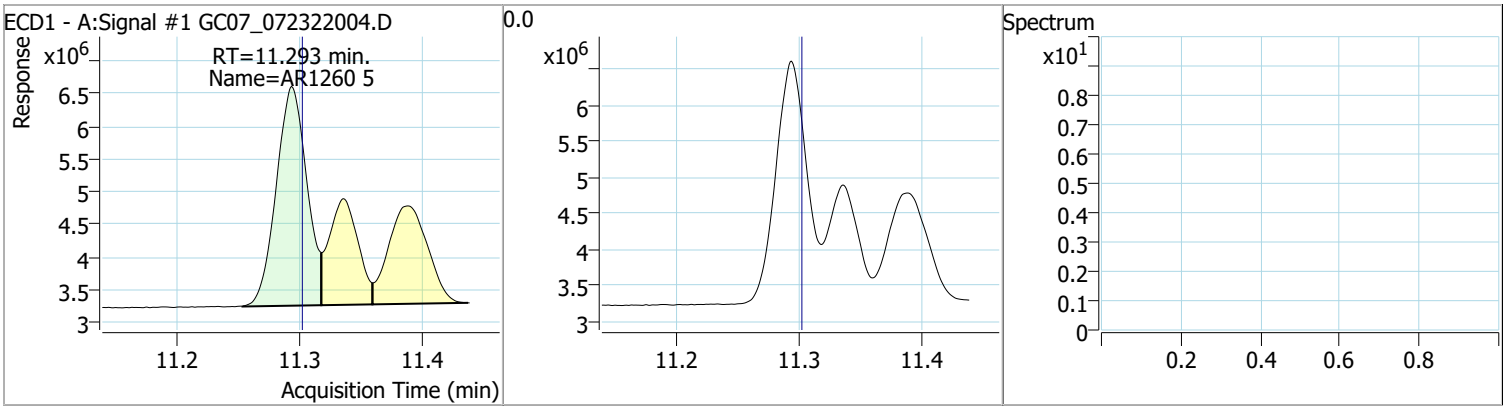
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	456.7346	10.55	0.00	2686685				



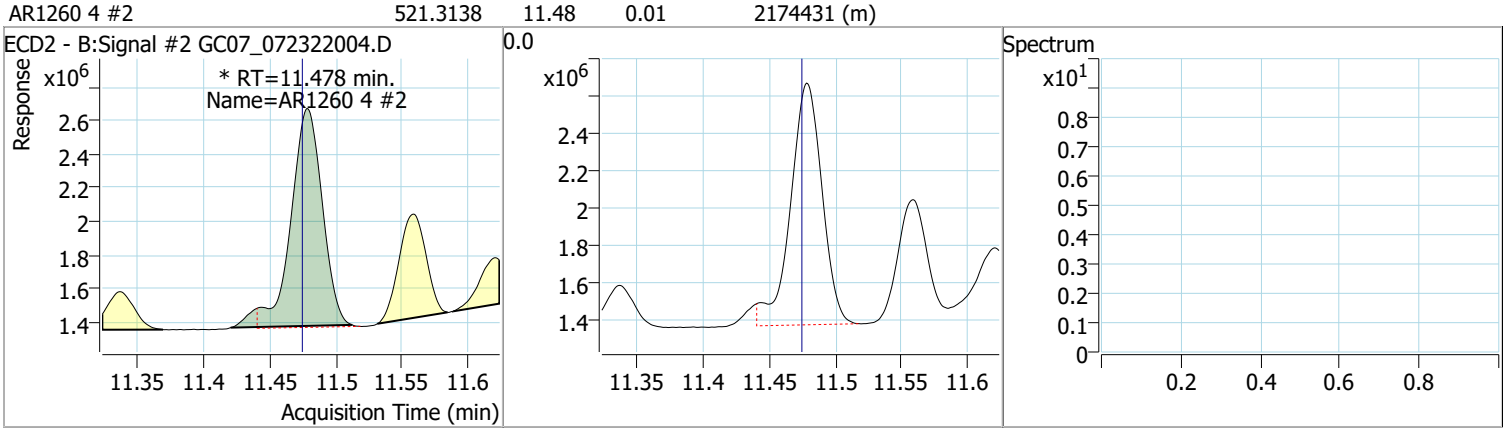
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	447.8483	11.02	0.00	3430082				



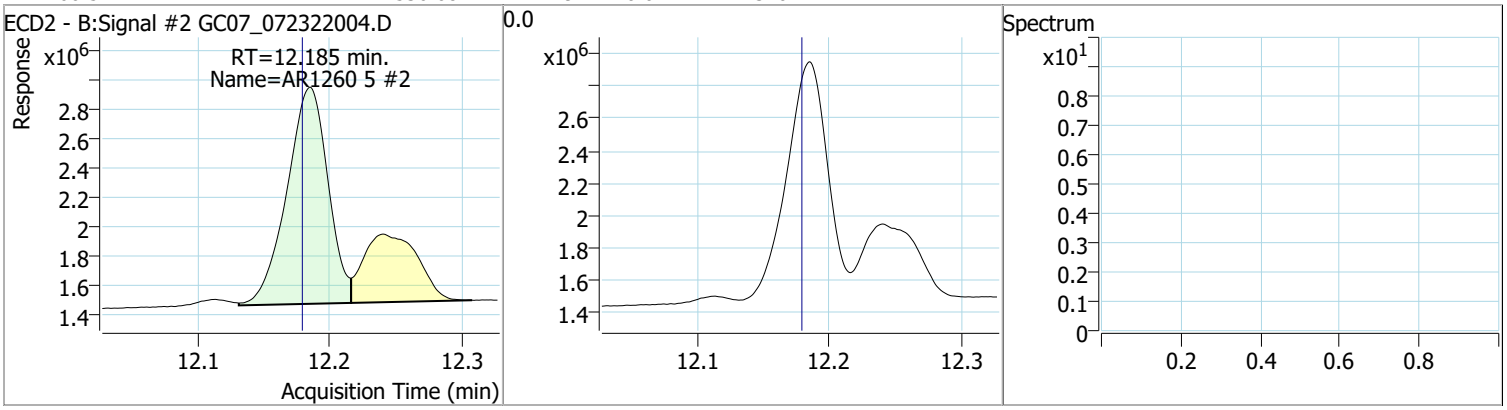
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	483.7747	11.29	0.01	5805774				



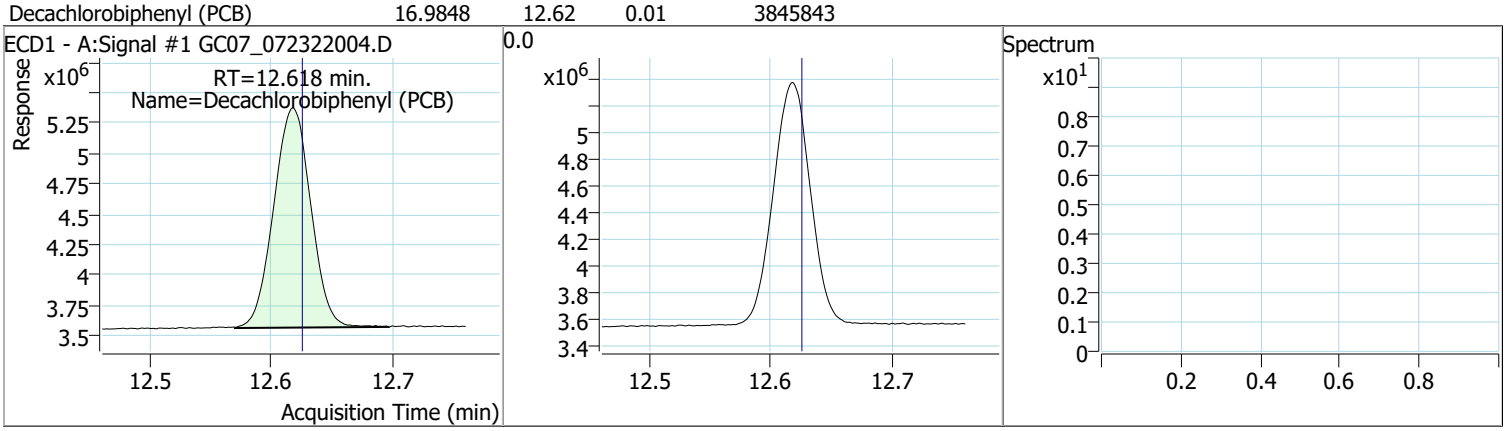
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	521.3138	11.48	0.01	2174431 (m)				



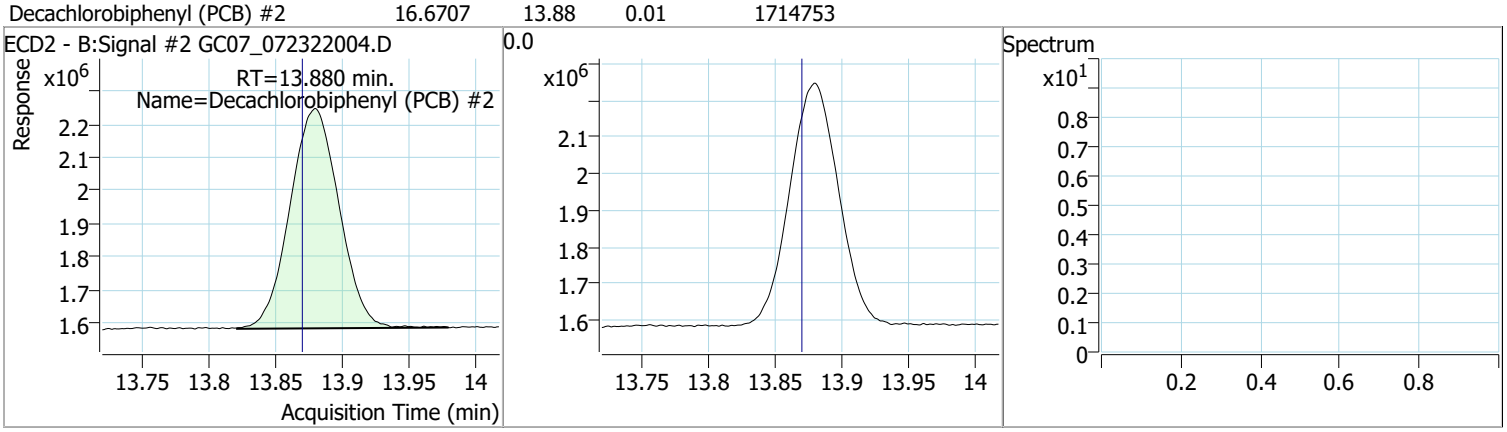
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	536.0811	12.19	0.01	3202447				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	16.9848	12.62	0.01	3845843				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	16.6707	13.88	0.01	1714753				



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 465874
Report Level: IV
Report Date: 01/06/2023

Metals

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	465874
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	07/18/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.1GW-INT-17 TO 18-220716-L-CB	465874-002	07/16/22 13:05	Wipe
DOOR-N-0.4GW-DG-4 TO 17-220716-L-LA	465874-004	07/16/22 13:19	Wipe
AFRAME-C1W-LAT-L3-EXT-1 TO 2-220716-L-WF	465874-006	07/16/22 12:45	Wipe

ENTHALPY ANALYTICAL

Case Narrative

METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 465874 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 07/18/22

This data package contains sample and QC results for three wipe samples, requested for the above referenced project on 07/19/22. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

465874

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	DOOR-N-0.1GW-INT-17 TO 18-220716-P- CB	7/16/2022	1305	WP	1		X			Confirmation Wipe Samples - Level IV Report/Stage 3 Validation Report PCB concentrations on a µg/100cm² basis Report lead concentrations on a µg/ft² basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 1 Enclosure C
2	DOOR-N-0.1GW-INT-17 TO 18-220716-L- CB	7/16/2022	1305	WP	1			X		—
3	DOOR-N-0.4GW-DG-4 TO 17-220716-P- LA	7/16/2022	1319	WP	1		X			—
4	DOOR-N-0.4GW-DG-4 TO 17-220716-L- LA	7/16/2022	1319	WP	1			X		2x Rivet Type 2 -0.0276 ft² added area
5	AFRAME-C1W-LAT-L3-EXT-1 TO 2-220716-P- WF	7/16/2022	1245	WP	1		X			—
6	AFRAME-C1W-LAT-L3-EXT-1 TO 2-220716-L- WF	7/16/2022	1245	WP	1			X		—
7										
8										
9										
10										
11										
12										
13										
14										
15										

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michaela Kim	Rincon/Env Scientist	07/18/22 1222
[1] Received By:	Lindsay Hudson	Lindsay Hudson	ENTHALPY	7/18/22 12:22
[2] Relinquished By:	Lindsay Hudson			7/18/22 14:48
[2] Received By:				7/18/22 14:48
[3] Relinquished By:				7/18/22 1603
[3] Received By:				7-19-22 11:00

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 7/19/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 2.1 #2: _____ #3: _____ #4: _____

(Acceptonce ronge is < 6°C but not frozen (for Microbiology somples, occeptonce ronge is < 10°C but not frozen). It is occeptoble for somples collected the some doy os somple receipt to hove o higher temperoture os long os there is evidence thot cooling hos begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.1 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 7-19-22

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931 W. Barkley Ave, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 538-1209
www.enthalpy.com/socal

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 465874 Client: Rincon

Date Received: 7/18/22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☐ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☐ Yes, how many? _____ ☐ No (skip **Section 3 below**)

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened _____ By (print)_____ (sign)_____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe)_____

☐ Bubble Wrap, ☐ Foam blocks, ☐ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☐ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID:_____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: 2.2, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer?_____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called?_____ By_____ Date:_____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 7/18/22 **By (print)** MY **(sign)** _____

Date Labeled 7/18/22 **By (print)** MY **(sign)** _____

GLS.

800-322-5555
www.gls-us.com

Ship From
ENTHALPY ANALYTICAL
BERKELEY SERVICE CENTER
2323 5TH STREET
BERKELEY, CA 94710

Ship To
ENTHALPY ANALYTICAL (ORG)
SAMPLE RECEIVING
931 W BARKLEY AVE.
ORANGE, CA 92868

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:

Signature Type: STANDARD

Tracking #: 557338946

CPS

ORANGE

S10003H

68565643

ORC CA927-EH1

Print Date: 7/18/2022 4:46 PM

Package 1 of 2

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com.

2.1 / 1.4

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 465874 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.1GW-INT-17 TO 18-220716-L-CB **Batch#:** 293293 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/16/22 **Analysis:** EPA 6010B
Lab ID: 465874-002 **Received:** 07/18/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/22
Dln Fac: 1.000 **Analyzed:** 07/20/22

465874-002 Analyte	Result	RL	Units
Lead	**100**	1.0	ug/ft2

Field ID: DOOR-N-0.4GW-DG-4 TO 17-220716-L-LA **Batch#:** 293293 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/16/22 **Analysis:** EPA 6010B
Lab ID: 465874-004 **Received:** 07/18/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/22
Dln Fac: 1.000 **Analyzed:** 07/20/22

465874-004 Analyte	Result	RL	Units
Lead	**200**	0.97	ug/ft2

Field ID: AFRAME-C1W-LAT-L3-EXT-1 TO 2-220716-L-WF **Batch#:** 293293 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/16/22 **Analysis:** EPA 6010B
Lab ID: 465874-006 **Received:** 07/18/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/22
Dln Fac: 1.000 **Analyzed:** 07/20/22

465874-006 Analyte	Result	RL	Units
Lead	**160**	1.0	ug/ft2

Type: BLANK **Batch#:** 293293 **Analysis:** EPA 6010B
Lab ID: QC1001449 **Prepared:** 07/19/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 07/21/22
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1001449 Analyte	Result	RL	Units
Lead	ND	1.0	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 465874 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 293293 **Analysis:** EPA 6010B

Lab ID: QC1001450 **Prepared:** 07/19/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 07/21/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1001450 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	99.78	100	80-120	ug/ft2

Type: BSD **Batch#:** 293293 **Analysis:** EPA 6010B

Lab ID: QC1001451 **Prepared:** 07/19/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 07/21/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1001451 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	100.3	100	80-120	ug/ft2	1	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 465874 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB	
465874-002	MET02	07/20/22 06:46	1.0		
465874-002	MET02	07/20/22 20:23	1.0	+	
465874-004	MET02	07/20/22 06:50	1.0		
465874-004	MET02	07/20/22 20:27	1.0	+	
465874-006	MET02	07/20/22 06:54	1.0		
465874-006	MET02	07/20/22 20:31	1.0	+	
QC1001449	MET02	07/20/22 06:34	1.0		
QC1001449	MET02	07/20/22 21:19	1.0		
QC1001449	MET02	07/20/22 22:46	1.0		
QC1001449	MET02	07/21/22 11:17	1.0	+	
QC1001450	MET02	07/20/22 06:38	1.0		
QC1001450	MET02	07/20/22 21:29	1.0		
QC1001450	MET02	07/21/22 11:21	1.0	+	
QC1001451	MET02	07/20/22 06:42	1.0		
QC1001451	MET02	07/20/22 21:37	1.0		
QC1001451	MET02	07/21/22 11:25	1.0	+	

Enthalpy Sequence Summary for Sequence 22290114

Instrument : MET02 Begun : 07/20/22 11:14
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met02_hg_062822	ICALBLK				07/20/22 11:14	1.0	1	
002	met02_hg_062822	ICALBLK				07/20/22 11:20	1.0	1	
003	met02_hg_062822	ICAL	ICAL1			07/20/22 11:24	1.0	2 1	
004	met02_hg_062822	ICAL	ICAL2			07/20/22 11:28	1.0	3 1	
005	met02_hg_062822	ICAL	ICAL3			07/20/22 11:32	1.0	4 1	
006	met02_hg_062822	ICAL	ICAL4			07/20/22 11:36	1.0	5 1	
007	met02_hg_062822	ICAL	ICAL5			07/20/22 11:39	1.0	6 1	
008	met02_hg_062822	ICAL	ICAL6			07/20/22 11:42	1.0	7 1	
009	met02_hg_062822	ICAL	ICAL7			07/20/22 11:45	1.0	8 1	
010	met02_hg_062822	ICAL	ICAL8			07/20/22 11:49	1.0	9 1	
011	met02_hg_062822	XICV				07/20/22 11:52	1.0	10 1	
012	met02_hg_062822	XICB				07/20/22 12:29	1.0	1	
013	met02_hg_062822	ICV				07/20/22 12:38	1.0	10 1	
014	met02_hg_062822	ICB				07/20/22 12:49	1.0	1	
015	met02_hg_062822	ICB				07/20/22 12:54	1.0	1	
016	met02_hg_062822	ICSA				07/20/22 12:58	1.0	11 1	4:MGASMGCO3=1500
017	met02_hg_062822	ICSAB				07/20/22 13:01	1.0	12 1	4:MGASMGCO3=1500
018	met02_hg_062822	CRI				07/20/22 13:04	1.0	13 1	
019	met02_hg_062822	MSS	464984-001	Soil	293123	07/20/22 13:08	1.0	1	3:FEASFE2O3=260
020	met02_hg_062822	MS	QC1000910	Soil	293123	07/20/22 13:11	1.0	1	3:ALASAL2O3=350
021	met02_hg_062822	MSD	QC1000911	Soil	293123	07/20/22 13:15	1.0	1	3:ALASAL2O3=380
022	met02_hg_062822	BLANK	QC1001244	Soil	293219	07/20/22 13:21	1.0	1	4:MGASMGCO3=1500
023	met02_hg_062822	LCS	QC1001245	Soil	293219	07/20/22 13:24	1.0	1	4:MGASMGCO3=1400
024	met02_hg_062822	MSS	465548-001	Soil	293219	07/20/22 13:27	1.0	1	
025	met02_hg_062822	MS	QC1001246	Soil	293219	07/20/22 13:31	1.0	1	
026	met02_hg_062822	MSD	QC1001247	Soil	293219	07/20/22 13:35	1.0	1	
027	met02_hg_062822	CCV				07/20/22 13:39	1.0	10 1	
028	met02_hg_062822	CCB				07/20/22 13:43	1.0	1	
029	met02_hg_062822	SAMPLE	465548-021	Soil	293219	07/20/22 14:00	1.0	1	1:FE=180
030	met02_hg_062822	SAMPLE	465548-022	Soil	293219	07/20/22 14:03	1.0	1	1:FE=190
031	met02_hg_062822	SAMPLE	465548-025	Soil	293219	07/20/22 14:06	1.0	1	1:FE=220
032	met02_hg_062822	SAMPLE	465548-026	Soil	293219	07/20/22 14:09	1.0	1	1:FE=200
033	met02_hg_062822	SAMPLE	465548-036	Soil	293219	07/20/22 14:12	1.0	1	
034	met02_hg_062822	SAMPLE	465548-037	Soil	293219	07/20/22 14:15	1.0	1	1:FE=180
035	met02_hg_062822	SAMPLE	465684-004	Soil	293219	07/20/22 14:18	1.0	1	
036	met02_hg_062822	SAMPLE	465685-004	Soil	293219	07/20/22 14:21	1.0	1	
037	met02_hg_062822	SAMPLE	465732-001	Soil	293219	07/20/22 14:24	1.0	1	
038	met02_hg_062822	SAMPLE	465771-001	Soil	293219	07/20/22 14:28	1.0	1	1:FE=210
039	met02_hg_062822	CCV				07/20/22 14:31	1.0	10 1	
040	met02_hg_062822	CCB				07/20/22 14:35	1.0	1	
041	met02_hg_062822	BLANK	QC1001369	Water	293253	07/20/22 14:39	1.0	1	
042	met02_hg_062822	LCS	QC1001370	Water	293253	07/20/22 14:43	1.0	1	
043	met02_hg_062822	SAMPLE	465744-001	Water	293253	07/20/22 14:47	1.0	1	1:SULFUR=140
044	met02_hg_062822	MSS	465773-001	Water	293253	07/20/22 14:51	1.0	1	2:NA=1300
045	met02_hg_062822	MS	QC1001371	Water	293253	07/20/22 14:55	1.0	1	2:NA=1200
046	met02_hg_062822	MSD	QC1001372	Water	293253	07/20/22 14:59	1.0	1	2:NA=1400
047	met02_hg_062822	SAMPLE	465825-001	Water	293253	07/20/22 15:03	1.0	1	
048	met02_hg_062822	SAMPLE	465841-001	Water	293253	07/20/22 15:07	1.0	1	
049	met02_hg_062822	SAMPLE	465891-002	Sea Water	293253	07/20/22 15:10	1.0	1	3:MG=1400
050	met02_hg_062822	BLANK	QC1001404	TCLP Leachate	293269	07/20/22 15:14	1.0	1	1:NA=1200
051	met02_hg_062822	CCV				07/20/22 15:18	1.0	10 1	
052	met02_hg_062822	CCB				07/20/22 15:22	1.0	1	

Enthalpy Sequence Summary for Sequence 22290114

Instrument : MET02 Begun : 07/20/22 11:14
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met02_hg_062822	LCS	QC1001405	TCLP Leachate	293269	07/20/22 15:26	1.0	1	3:NA=1300
054	met02_hg_062822	SAMPLE	465746-001	TCLP Leachate	293269	07/20/22 15:30	1.0	1	1:NA=1200
055	met02_hg_062822	SAMPLE	465746-002	TCLP Leachate	293269	07/20/22 15:35	1.0	1	1:NA=1200
056	met02_hg_062822	SAMPLE	465746-003	TCLP Leachate	293269	07/20/22 15:39	1.0	1	1:NA=1300
057	met02_hg_062822	MSS	465746-004	TCLP Leachate	293269	07/20/22 15:43	1.0	1	2:NA=1300
058	met02_hg_062822	BS	QC1001462	Air	293297	07/20/22 15:47	1.0	1	
059	met02_hg_062822	BSD	QC1001463	Air	293297	07/20/22 15:51	1.0	1	
060	met02_hg_062822	MS	QC1001406	TCLP Leachate	293269	07/20/22 15:55	1.0	1	4:NA=1200
061	met02_hg_062822	MSD	QC1001407	TCLP Leachate	293269	07/20/22 15:59	1.0	1	4:NA=1200
062	met02_hg_062822	SAMPLE	465746-005	TCLP Leachate	293269	07/20/22 16:03	1.0	1	1:NA=1400
063	met02_hg_062822	CCV				07/20/22 16:07	1.0	10 1	
064	met02_hg_062822	CCB				07/20/22 16:11	1.0	1	
065	met02_hg_062822	BLANK	QC1001373	Soil	293259	07/20/22 16:15	1.0	1	
066	met02_hg_062822	LCS	QC1001374	Soil	293259	07/20/22 16:19	1.0	1	
067	met02_hg_062822	MSD	QC1000101	Filtrate	292865	07/20/22 16:23	1.0	1	2:SILSI=40
068	met02_hg_062822	MS	QC1000100	Filtrate	292865	07/20/22 16:27	1.0	1	2:SILSI=42
069	met02_hg_062822	LCS	QC1000099	Filtrate	292865	07/20/22 16:31	1.0	1	
070	met02_hg_062822	SAMPLE	465721-001	Miscell.	293259	07/20/22 16:35	1.0	1	1:FE=210
071	met02_hg_062822	SAMPLE	465721-002	Miscell.	293259	07/20/22 16:38	1.0	1	1:FE=210
072	met02_hg_062822	MSS	465810-021	Soil	293259	07/20/22 16:41	1.0	1	2:P=110
073	met02_hg_062822	MS	QC1001375	Soil	293259	07/20/22 16:45	1.0	1	3:P=100
074	met02_hg_062822	MSD	QC1001376	Soil	293259	07/20/22 16:49	1.0	1	3:P=110
075	met02_hg_062822	CCV				07/20/22 16:53	1.0	10 1	
076	met02_hg_062822	CCB				07/20/22 16:57	1.0	1	
077	met02_hg_062822	PDS	QC1001377	Soil	293259	07/20/22 17:01	1.0	1	1:P=110
078	met02_hg_062822	SAMPLE	465810-022	Soil	293259	07/20/22 17:05	1.0	1	
079	met02_hg_062822	SAMPLE	465810-024	Soil	293259	07/20/22 17:09	1.0	1	1:FE=180
080	met02_hg_062822	SAMPLE	465810-025	Soil	293259	07/20/22 17:12	1.0	1	
081	met02_hg_062822	SAMPLE	465810-026	Soil	293259	07/20/22 17:15	1.0	1	2:FE=220
082	met02_hg_062822	SAMPLE	465810-027	Soil	293259	07/20/22 17:18	1.0	1	1:FE=220
083	met02_hg_062822	SAMPLE	465810-028	Soil	293259	07/20/22 17:21	1.0	1	1:FE=290
084	met02_hg_062822	SAMPLE	465810-029	Soil	293259	07/20/22 17:24	1.0	1	1:FE=240
085	met02_hg_062822	SAMPLE	465810-030	Soil	293259	07/20/22 17:27	1.0	1	2:FE=250
086	met02_hg_062822	LCS	QC1000099	Filtrate	292865	07/20/22 17:30	1.0	1	
087	met02_hg_062822	CCV				07/20/22 17:34	1.0	10 1	
088	met02_hg_062822	CCB				07/20/22 17:39	1.0	1	
089	met02_hg_062822	BLANK	QC1001244	Soil	293219	07/20/22 17:43	1.0	1	
090	met02_hg_062822	LCS	QC1001245	Soil	293219	07/20/22 17:46	1.0	1	
091	met02_hg_062822	MSS	465548-001	Soil	293219	07/20/22 17:50	1.0	1	3:ALASAL2O3=460
092	met02_hg_062822	MS	QC1001246	Soil	293219	07/20/22 17:54	1.0	1	3:ALASAL2O3=600
093	met02_hg_062822	MSD	QC1001247	Soil	293219	07/20/22 17:57	1.0	1	3:ALASAL2O3=630
094	met02_hg_062822	CCV				07/20/22 18:00	1.0	10 1	
095	met02_hg_062822	CCB				07/20/22 18:04	1.0	1	
096	met02_hg_062822	PDS	QC1001248	Soil	293219	07/20/22 18:08	1.0	1	1:FE=230
097	met02_hg_062822	SAMPLE	465548-002	Soil	293219	07/20/22 18:11	1.0	1	
098	met02_hg_062822	SAMPLE	465548-005	Soil	293219	07/20/22 18:14	1.0	1	1:FE=200
099	met02_hg_062822	SAMPLE	465548-006	Soil	293219	07/20/22 18:17	1.0	1	1:FE=250
100	met02_hg_062822	SAMPLE	465548-009	Soil	293219	07/20/22 18:20	1.0	1	1:FE=180
101	met02_hg_062822	SAMPLE	465548-010	Soil	293219	07/20/22 18:23	1.0	1	1:FE=170
102	met02_hg_062822	SAMPLE	465548-013	Soil	293219	07/20/22 18:26	1.0	1	1:FE=170
103	met02_hg_062822	SAMPLE	465548-014	Soil	293219	07/20/22 18:29	1.0	1	1:FE=200
104	met02_hg_062822	SAMPLE	465548-017	Soil	293219	07/20/22 18:32	1.0	1	1:FE=180

Enthalpy Sequence Summary for Sequence 22290114

Instrument : MET02 Begun : 07/20/22 11:14
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
105	met02_hg_062822	SAMPLE	465548-018	Soil	293219	07/20/22 18:35	1.0	1	1:FE=170
106	met02_hg_062822	CCV				07/20/22 18:38	1.0	10 1	
107	met02_hg_062822	CCB				07/20/22 18:42	1.0	1	
108	met02_hg_062822	CCV				07/20/22 18:47	1.0	10 1	
109	met02_hg_062822	CCB				07/20/22 18:51	1.0	1	
110	met02_hg_062822	BLANK	QC1001452	Wipe	293294	07/20/22 18:55	1.0	1	
111	met02_hg_062822	BS	QC1001453	Wipe	293294	07/20/22 18:59	1.0	1	
112	met02_hg_062822	BSD	QC1001454	Wipe	293294	07/20/22 19:03	1.0	1	
113	met02_hg_062822	SAMPLE	465921-003	Wipe	293294	07/20/22 19:07	1.0	1	
114	met02_hg_062822	SAMPLE	465921-005	Wipe	293294	07/20/22 19:11	1.0	1	
115	met02_hg_062822	SAMPLE	465921-007	Wipe	293294	07/20/22 19:15	1.0	1	
116	met02_hg_062822	CCV				07/20/22 19:19	1.0	10 1	
117	met02_hg_062822	CCB				07/20/22 19:23	1.0	1	
118	met02_hg_062822	SAMPLE	465921-009	Wipe	293294	07/20/22 19:27	1.0	1	
119	met02_hg_062822	SAMPLE	465921-011	Wipe	293294	07/20/22 19:31	1.0	1	
120	met02_hg_062822	SAMPLE	465921-012	Wipe	293294	07/20/22 19:35	1.0	1	
121	met02_hg_062822	SAMPLE	465921-014	Wipe	293294	07/20/22 19:39	1.0	1	
122	met02_hg_062822	SAMPLE	465921-016	Wipe	293294	07/20/22 19:43	1.0	1	
123	met02_hg_062822	SAMPLE	465921-018	Wipe	293294	07/20/22 19:47	1.0	1	
124	met02_hg_062822	SAMPLE	465921-019	Wipe	293294	07/20/22 19:51	1.0	1	
125	met02_hg_062822	SAMPLE	465921-021	Wipe	293294	07/20/22 19:55	1.0	1	
126	met02_hg_062822	SAMPLE	465921-023	Wipe	293294	07/20/22 19:59	1.0	1	
127	met02_hg_062822	SAMPLE	465921-026	Wipe	293294	07/20/22 20:03	1.0	1	
128	met02_hg_062822	CCV				07/20/22 20:07	1.0	10 1	
129	met02_hg_062822	CCB				07/20/22 20:11	1.0	1	
130	met02_hg_062822	SAMPLE	465924-002	Wipe	293294	07/20/22 20:15	1.0	1	
131	met02_hg_062822	SAMPLE	465924-004	Wipe	293294	07/20/22 20:19	1.0	1	
132	met02_hg_062822	SAMPLE	465874-002	Wipe	293293	07/20/22 20:23	1.0	1	
133	met02_hg_062822	SAMPLE	465874-004	Wipe	293293	07/20/22 20:27	1.0	1	
134	met02_hg_062822	SAMPLE	465874-006	Wipe	293293	07/20/22 20:31	1.0	1	
135	met02_hg_062822	SAMPLE	465889-002	Wipe	293293	07/20/22 20:35	1.0	1	
136	met02_hg_062822	SAMPLE	465889-004	Wipe	293293	07/20/22 20:38	1.0	1	
137	met02_hg_062822	SAMPLE	465889-006	Wipe	293293	07/20/22 20:42	1.0	1	
138	met02_hg_062822	SAMPLE	465889-008	Wipe	293293	07/20/22 20:46	1.0	1	
139	met02_hg_062822	SAMPLE	465889-009	Wipe	293293	07/20/22 20:50	1.0	1	
140	met02_hg_062822	CCV				07/20/22 20:54	1.0	10 1	
141	met02_hg_062822	CCB				07/20/22 20:58	1.0	1	
142	met02_hg_062822	SAMPLE	465889-011	Wipe	293293	07/20/22 21:02	1.0	1	
143	met02_hg_062822	SAMPLE	465889-013	Wipe	293293	07/20/22 21:06	1.0	1	
144	met02_hg_062822	SAMPLE	465889-016	Wipe	293293	07/20/22 21:10	1.0	1	
145	met02_hg_062822	SAMPLE	465889-018	Wipe	293293	07/20/22 21:14	1.0	1	
146	met02_hg_062822	BLANK	QC1001449	Wipe	293293	07/20/22 21:19	1.0	1	
147	met02_hg_062822	BS	QC1001450	Wipe	293293	07/20/22 21:29	1.0	1	
148	met02_hg_062822	BLANK	QC1000451	Soil	292979	07/20/22 21:33	1.0	1	
149	met02_hg_062822	BSD	QC1001451	Wipe	293293	07/20/22 21:37	1.0	1	
150	met02_hg_062822	CCV				07/20/22 21:41	1.0	10 1	
151	met02_hg_062822	CCV				07/20/22 21:45	1.0	10 1	
152	met02_hg_062822	CCB				07/20/22 21:49	1.0	1	
153	met02_hg_062822	BLANK	QC1001399	Soil	293267	07/20/22 21:54	1.0	1	
154	met02_hg_062822	LCS	QC1001400	Soil	293267	07/20/22 21:58	1.0	1	
155	met02_hg_062822	SAMPLE	465484-001	Miscell.	293267	07/20/22 22:02	1.0	1	
156	met02_hg_062822	SAMPLE	465637-003	Soil	293267	07/20/22 22:06	1.0	1	

Enthalpy Sequence Summary for Sequence 22290114

Instrument : MET02 Begun : 07/20/22 11:14
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
157	met02_hg_062822	CCV				07/20/22 22:09	1.0	10 1	
158	met02_hg_062822	CCB				07/20/22 22:13	1.0	1	
159	met02_hg_062822	SAMPLE	465637-004	Soil	293267	07/20/22 22:17	1.0	1	1:SULFUR=120
160	met02_hg_062822	SAMPLE	465637-005	Soil	293267	07/20/22 22:21	1.0	1	1:FE=330
161	met02_hg_062822	SAMPLE	465637-006	Soil	293267	07/20/22 22:24	1.0	1	
162	met02_hg_062822	SAMPLE	465637-007	Soil	293267	07/20/22 22:27	1.0	1	
163	met02_hg_062822	SAMPLE	465639-001	Miscell.	293267	07/20/22 22:31	1.0	1	1:FE=190
164	met02_hg_062822	MSS	465835-001	Soil	293267	07/20/22 22:34	1.0	1	2:FEASFE2O3=220
165	met02_hg_062822	MS	QC1001401	Soil	293267	07/20/22 22:37	1.0	1	3:ALASAL2O3=300
166	met02_hg_062822	MSD	QC1001402	Soil	293267	07/20/22 22:40	1.0	1	3:ALASAL2O3=270
167	met02_hg_062822	PDS	QC1001403	Soil	293267	07/20/22 22:43	1.0	1	
168	met02_hg_062822	BLANK	QC1001449	Wipe	293293	07/20/22 22:46	1.0	1	
169	met02_hg_062822	XCCV				07/20/22 22:50	1.0	10 1	
170	met02_hg_062822	CCV				07/20/22 22:58	1.0	10 1	
171	met02_hg_062822	CCB				07/20/22 23:02	1.0	1	
172	met02_hg_062822	BLANK	QC1001427	Water	293285	07/20/22 23:06	1.0	1	
173	met02_hg_062822	LCS	QC1001428	Water	293285	07/20/22 23:10	1.0	1	
174	met02_hg_062822	MSS	465331-001	Water	293285	07/20/22 23:14	1.0	1	
175	met02_hg_062822	MS	QC1001429	Water	293285	07/20/22 23:17	1.0	1	2:SILSI=23
176	met02_hg_062822	MSD	QC1001430	Water	293285	07/20/22 23:21	1.0	1	3:SULFUR=100
177	met02_hg_062822	BLANK	QC1001399	Soil	293267	07/20/22 23:25	1.0	1	
178	met02_hg_062822	CCV				07/20/22 23:30	1.0	10 1	
179	met02_hg_062822	XICV				07/21/22 00:20	1.0	10 1	
180	met02_hg_062822	XICV				07/21/22 00:57	1.0	10 1	
181	met02_hg_062822	CCB				07/21/22 02:33	1.0	1	
182	met02_hg_062822	XICV				07/21/22 02:39	1.0	10 1	

SBW 07/20/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 072.

SBW 07/21/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 073 through 182.

Standards used: 1=S13369 2=S16951 3=S16949 4=S16948 5=S16947 6=S16645 7=S16518 8=S16959 9=S16519 10=S16870 11=S16979 12=S16601 13=S16646

Enthalpy Internal Standard Summary for Sequence 22290114

Date : 07/20/22 Reference : met02_hg_062822
Sequence : MET02 07/20/22 Analyzed : 07/20/22 11:20

#	Type	Sample ID	Y A
		ICALBLK STD	473104
		LOWER LIMIT	141931
		UPPER LIMIT	946208
014	ICB		511682
015	ICB		508391
016	ICSA		437705
017	ICSAB		430534
019	MSS	464984-001	508948
020	MS	QC1000910	516678
021	MSD	QC1000911	498122
022	BLANK	QC1001244	421028
023	LCS	QC1001245	432243
024	MSS	465548-001	708561
025	MS	QC1001246	794789
026	MSD	QC1001247	671124
027	CCV		478390
028	CCB		483232
029	SAMPLE	465548-021	496842
030	SAMPLE	465548-022	503017
031	SAMPLE	465548-025	481218
032	SAMPLE	465548-026	489010
033	SAMPLE	465548-036	517744
034	SAMPLE	465548-037	499808
035	SAMPLE	465684-004	495077
036	SAMPLE	465685-004	497263
037	SAMPLE	465732-001	486636
038	SAMPLE	465771-001	498229
039	CCV		461592
040	CCB		489300
041	BLANK	QC1001369	548086
042	LCS	QC1001370	526245
043	SAMPLE	465744-001	452198
044	MSS	465773-001	418548
045	MS	QC1001371	489009
046	MSD	QC1001372	427605
047	SAMPLE	465825-001	391068
048	SAMPLE	465841-001	394521
049	SAMPLE	465891-002	234857
050	BLANK	QC1001404	323260
051	CCV		396918
052	CCB		383416
053	LCS	QC1001405	432283
054	SAMPLE	465746-001	364441
055	SAMPLE	465746-002	358760
056	SAMPLE	465746-003	321758
057	MSS	465746-004	342907
058	BS	QC1001462	463307
059	BSD	QC1001463	448530
060	MS	QC1001406	367773
061	MSD	QC1001407	318254
062	SAMPLE	465746-005	404076

Enthalpy Internal Standard Summary for Sequence 22290114

Date : 07/20/22 Reference : met02_hg_062822
Sequence : MET02 07/20/22 Analyzed : 07/20/22 11:20

#	Type	Sample ID	Y A
063	CCV		363016
064	CCB		438921
065	BLANK	QC1001373	487111
066	LCS	QC1001374	471501
067	MSD	QC1000101	497936
068	MS	QC1000100	456614
069	LCS	QC1000099	483759
070	SAMPLE	465721-001	413358
071	SAMPLE	465721-002	399338
072	MSS	465810-021	424472
073	MS	QC1001375	435935
074	MSD	QC1001376	444190
075	CCV		422370
076	CCB		483463
078	SAMPLE	465810-022	459689
079	SAMPLE	465810-024	472788
080	SAMPLE	465810-025	477481
081	SAMPLE	465810-026	479520
082	SAMPLE	465810-027	483169
083	SAMPLE	465810-028	481287
084	SAMPLE	465810-029	475894
085	SAMPLE	465810-030	470210
086	LCS	QC1000099	459679
087	CCV		442503
088	CCB		489276
089	BLANK	QC1001244	498498
090	LCS	QC1001245	477167
091	MSS	465548-001	460790
092	MS	QC1001246	456722
093	MSD	QC1001247	459772
094	CCV		436924
095	CCB		485236
097	SAMPLE	465548-002	464736
098	SAMPLE	465548-005	468229
099	SAMPLE	465548-006	474164
100	SAMPLE	465548-009	478061
101	SAMPLE	465548-010	472288
102	SAMPLE	465548-013	481459
103	SAMPLE	465548-014	470481
104	SAMPLE	465548-017	473607
105	SAMPLE	465548-018	475627
106	CCV		442684
107	CCB		515185
108	CCV		433230
109	CCB		491137
110	BLANK	QC1001452	479953
111	BS	QC1001453	456737
112	BSD	QC1001454	469554
113	SAMPLE	465921-003	448151
114	SAMPLE	465921-005	463297
115	SAMPLE	465921-007	457625
116	CCV		431683

Enthalpy Internal Standard Summary for Sequence 22290114

Date : 07/20/22 Reference : met02_hg_062822
Sequence : MET02 07/20/22 Analyzed : 07/20/22 11:20

#	Type	Sample ID	Y A
117	CCB		480227
118	SAMPLE	465921-009	472312
119	SAMPLE	465921-011	438803
120	SAMPLE	465921-012	448829
121	SAMPLE	465921-014	441070
122	SAMPLE	465921-016	445941
123	SAMPLE	465921-018	451579
124	SAMPLE	465921-019	449802
125	SAMPLE	465921-021	460560
126	SAMPLE	465921-023	447831
127	SAMPLE	465921-026	445145
128	CCV		420344
129	CCB		485587
130	SAMPLE	465924-002	454440
131	SAMPLE	465924-004	448824
132	SAMPLE	465874-002	444630
133	SAMPLE	465874-004	459458
134	SAMPLE	465874-006	396137
135	SAMPLE	465889-002	423042
136	SAMPLE	465889-004	436016
137	SAMPLE	465889-006	449960
138	SAMPLE	465889-008	410068
139	SAMPLE	465889-009	348032
140	CCV		350545
141	CCB		419309
142	SAMPLE	465889-011	375537
143	SAMPLE	465889-013	358630
144	SAMPLE	465889-016	374739
145	SAMPLE	465889-018	341382
146	BLANK	QC1001449	367713
147	BS	QC1001450	319274
148	BLANK	QC1000451	340342
149	BSD	QC1001451	318132
150	CCV		277782
151	CCV		273926
152	CCB		305543
153	BLANK	QC1001399	312861
154	LCS	QC1001400	356474
155	SAMPLE	465484-001	329239
156	SAMPLE	465637-003	299938
157	CCV		323584
158	CCB		367899
159	SAMPLE	465637-004	271478
160	SAMPLE	465637-005	293981
161	SAMPLE	465637-006	270181
162	SAMPLE	465637-007	326473
163	SAMPLE	465639-001	321700
164	MSS	465835-001	328688
165	MS	QC1001401	327602
166	MSD	QC1001402	321235
168	BLANK	QC1001449	354288
170	CCV		312182

Enthalpy Internal Standard Summary for Sequence 22290114

Date : 07/20/22 Reference : met02_hg_062822
Sequence : MET02 07/20/22 Analyzed : 07/20/22 11:20

#	Type	Sample ID	Y A
171	CCB		352203
172	BLANK	QC1001427	364048
173	LCS	QC1001428	357253
174	MSS	465331-001	287137
175	MS	QC1001429	301209
176	MSD	QC1001430	292357
177	BLANK	QC1001399	395019
178	CCV		359806
181	CCB		411396

ENTHALPY INITIAL CALIBRATION FOR 465874 METALS Wipe: EPA 6010B

Instrument:	MET02		
Calibration #:	22290114001	Date:	20-JUL-2022 11:20
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met02_hg_062822	22290114003	ICAL1	20-JUL-2022 11:24	S16951, S13369 (100X)
L2	met02_hg_062822	22290114004	ICAL2	20-JUL-2022 11:28	S16949, S13369 (100X)
L3	met02_hg_062822	22290114005	ICAL3	20-JUL-2022 11:32	S16948, S13369 (100X)
L4	met02_hg_062822	22290114006	ICAL4	20-JUL-2022 11:36	S16947, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	560.00	534.00	552.10	583.35	LORG	0.00000	0.00172		557.36	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
LORG: Linear regression forced through origin

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0100	-4	0.1000	-8	1.0000	-5	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 465874 METALS Wipe
EPA 6010B

Inst : MET02
Calnum : 22290114001 Cal Date : 20-JUL-2022

ICV 22290114013 (20-JUL-2022) stds: S16870, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	0.9846	mg/L	-2	

ENTHALPY INSTRUMENT BLANK FOR 465874 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114015 File : met02_hg_062822 Time : 20-JUL-2022 12:54
Cal : 22290114001 Caldate : 20-JUL-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	508391	7.46

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 465874 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114016 File : met02_hg_062822 Time : 20-JUL-2022 12:58
Cal : 22290114001 Caldate : 20-JUL-2022
Standards: S16979, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[0.007900]	0.01000	mg/L	

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	432.9	mg/L	108	
Calcium	A	400.0	391.2	mg/L	98	
Iron	A	160.0	145.8	mg/L	91	
Magnesium	A	400.0	421.8	mg/L	105	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	437705	-7.48

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 465874 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114017 File : met02_hg_062822 Time : 20-JUL-2022 13:01
Cal : 22290114001 Caldate : 20-JUL-2022
Standards: S16601, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9605	mg/L	-4	20	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	430534	-9.00

ENTHALPY CONTINUING CALIBRATION FOR 465874 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114128 File : met02_hg_062822 Time : 20-JUL-2022 20:07
Cal : 22290114001 Caldate : 20-JUL-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	557.36	566.00	1.000	0.9708	mg/L	-3	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	420344	-11.15

ENTHALPY INSTRUMENT BLANK FOR 465874 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114129 File : met02_hg_062822 Time : 20-JUL-2022 20:11
Cal : 22290114001 Caldate : 20-JUL-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	485587	2.64

ENTHALPY CONTINUING CALIBRATION FOR 465874 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114140 File : met02_hg_062822 Time : 20-JUL-2022 20:54
Cal : 22290114001 Caldate : 20-JUL-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	557.36	545.60	1.000	0.9358	mg/L	-6	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	350545	-25.91

ENTHALPY INSTRUMENT BLANK FOR 465874 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114141 File : met02_hg_062822 Time : 20-JUL-2022 20:58
Cal : 22290114001 Caldate : 20-JUL-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	419309	-11.37

Enthalpy Sequence Summary for Sequence 22291457

Instrument : MET02 Begun : 07/21/22 09:37
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met02_hg_062822	ICALBLK				07/21/22 09:37	1.0	1	
002	met02_hg_062822	ICAL	ICAL1			07/21/22 09:41	1.0	2 1	
003	met02_hg_062822	ICAL	ICAL2			07/21/22 09:45	1.0	3 1	
004	met02_hg_062822	ICAL	ICAL3			07/21/22 09:49	1.0	4 1	
005	met02_hg_062822	ICAL	ICAL4			07/21/22 09:53	1.0	5 1	
006	met02_hg_062822	ICAL	ICAL5			07/21/22 09:56	1.0	6 1	
007	met02_hg_062822	ICAL	ICAL6			07/21/22 09:59	1.0	7 1	
008	met02_hg_062822	ICAL	ICAL7			07/21/22 10:02	1.0	8 1	
009	met02_hg_062822	ICAL	ICAL8			07/21/22 10:05	1.0	9 1	
010	met02_hg_062822	XICV				07/21/22 10:08	1.0	10 1	
011	met02_hg_062822	XICV				07/21/22 10:14	1.0	10 1	
012	met02_hg_062822	XICV				07/21/22 10:18	1.0	10 1	
013	met02_hg_062822	ICV				07/21/22 10:23	1.0	10 1	
014	met02_hg_062822	ICB				07/21/22 10:35	1.0	1	
015	met02_hg_062822	XICSA				07/21/22 10:41	1.0	11 1	
016	met02_hg_062822	XICSAB				07/21/22 10:45	1.0	12 1	
017	met02_hg_062822	XCRI				07/21/22 10:48	1.0	13 1	
018	met02_hg_062822	XBLANK	QC1001449	Wipe	293293	07/21/22 10:52	1.0	1	
019	met02_hg_062822	XBS	QC1001450	Wipe	293293	07/21/22 10:56	1.0	1	
020	met02_hg_062822	ICSA				07/21/22 11:07	1.0	11 1	5:MGASMGCO3=1500
021	met02_hg_062822	ICSAB				07/21/22 11:10	1.0	12 1	5:MGASMGCO3=1400
022	met02_hg_062822	CRI				07/21/22 11:13	1.0	13 1	
023	met02_hg_062822	BLANK	QC1001449	Wipe	293293	07/21/22 11:17	1.0	1	
024	met02_hg_062822	BS	QC1001450	Wipe	293293	07/21/22 11:21	1.0	1	
025	met02_hg_062822	BSD	QC1001451	Wipe	293293	07/21/22 11:25	1.0	1	
026	met02_hg_062822	SAMPLE	465889-011	Wipe	293293	07/21/22 11:29	1.0	1	
027	met02_hg_062822	SAMPLE	465889-013	Wipe	293293	07/21/22 11:33	1.0	1	
028	met02_hg_062822	SAMPLE	465889-016	Wipe	293293	07/21/22 11:37	1.0	1	
029	met02_hg_062822	SAMPLE	465889-018	Wipe	293293	07/21/22 11:41	1.0	1	
030	met02_hg_062822	BLANK	QC1001213	Water	293210	07/21/22 11:45	1.0	1	
031	met02_hg_062822	LCS	QC1001214	Water	293210	07/21/22 11:49	1.0	1	
032	met02_hg_062822	SAMPLE	465616-001	Water	293210	07/21/22 11:53	1.0	1	1:SULFUR=360
033	met02_hg_062822	XCCV				07/21/22 11:57	1.0	10 1	
034	met02_hg_062822	CCV				07/21/22 12:03	1.0	10 1	
035	met02_hg_062822	CCB				07/21/22 12:07	1.0	1	
036	met02_hg_062822	SAMPLE	465665-001	Water	293210	07/21/22 12:11	1.0	1	2:NA=2800
037	met02_hg_062822	SAMPLE	465740-001	Water	293210	07/21/22 12:15	1.0	1	1:SI=29
038	met02_hg_062822	MSS	465797-001	Water	293210	07/21/22 12:19	1.0	1	1:SULFUR=230
039	met02_hg_062822	MS	QC1001215	Water	293210	07/21/22 12:23	1.0	1	1:SULFUR=220
040	met02_hg_062822	MSD	QC1001216	Water	293210	07/21/22 12:27	1.0	1	1:SULFUR=220
041	met02_hg_062822	SAMPLE	465806-001	Water	293210	07/21/22 12:31	1.0	1	2:NA=1100
042	met02_hg_062822	BLANK	QC1001364	Soil	293252	07/21/22 12:35	1.0	1	
043	met02_hg_062822	LCS	QC1001365	Soil	293252	07/21/22 12:39	1.0	1	
044	met02_hg_062822	SAMPLE	465502-005	Soil	293252	07/21/22 12:43	1.0	1	1:FE=180
045	met02_hg_062822	CCV				07/21/22 13:47	1.0	10 1	
046	met02_hg_062822	CCB				07/21/22 13:52	1.0	1	
047	met02_hg_062822	MSS	465682-004	Soil	293252	07/21/22 14:12	1.0	1	3:ALASAL2O3=360

SBW 07/21/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 046.

Enthalpy Sequence Summary for Sequence 22291457

Instrument : MET02 Begun : 07/21/22 09:37
Method : EPA 6010B

Standards used: 1=S13369 2=S16951 3=S16949 4=S16948 5=S16947 6=S16645 7=S16518 8=S16959 9=S16519 10=S16870 11=S16979 12=S16601 13=S16646

Enthalpy Internal Standard Summary for Sequence 22291457

Date : 07/21/22 Reference : met02_hg_062822
Sequence : MET02 07/21/22 Analyzed : 07/21/22 09:37

#	Type	Sample ID	Y A
		ICALBLK STD	386737
		LOWER LIMIT	116021
		UPPER LIMIT	773474
014	ICB		420300
020	ICSA		323748
021	ICSAB		328802
023	BLANK	QC1001449	387292
024	BS	QC1001450	376286
025	BSD	QC1001451	365244
026	SAMPLE	465889-011	390991
027	SAMPLE	465889-013	373588
028	SAMPLE	465889-016	372506
029	SAMPLE	465889-018	373262
030	BLANK	QC1001213	430624
031	LCS	QC1001214	403139
032	SAMPLE	465616-001	356178
034	CCV		358415
035	CCB		389925
036	SAMPLE	465665-001	315035
037	SAMPLE	465740-001	413981
038	MSS	465797-001	396240
039	MS	QC1001215	393184
040	MSD	QC1001216	428711
041	SAMPLE	465806-001	381927
042	BLANK	QC1001364	423131
043	LCS	QC1001365	427346
044	SAMPLE	465502-005	420484
045	CCV		388334
046	CCB		422712
047	MSS	465682-004	418159

ENTHALPY INITIAL CALIBRATION FOR 465874 METALS Wipe: EPA 6010B

Instrument:	MET02		
Calibration #:	22291457001	Date:	21-JUL-2022 09:37
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met02_hg_062822	22291457002	ICAL1	21-JUL-2022 09:41	S16951, S13369 (100X)
L2	met02_hg_062822	22291457003	ICAL2	21-JUL-2022 09:45	S16949, S13369 (100X)
L3	met02_hg_062822	22291457004	ICAL3	21-JUL-2022 09:49	S16948, S13369 (100X)
L4	met02_hg_062822	22291457005	ICAL4	21-JUL-2022 09:53	S16947, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	270.00	518.00	543.50	548.96	LORG	0.00000	0.00182		470.12	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
LORG: Linear regression forced through origin

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0100	**-51**	0.1000	-6	1.0000	-1	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 465874 METALS Wipe
EPA 6010B

Inst : MET02
Calnum : 22291457001 Cal Date : 21-JUL-2022

ICV 22291457013 (21-JUL-2022) stds: S16870, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	0.9817	mg/L	-2	

ENTHALPY INSTRUMENT BLANK FOR 465874 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22291457014 File : met02_hg_062822 Time : 21-JUL-2022 10:35
Cal : 22291457001 Caldate : 21-JUL-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	386737	420300	8.68

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 465874 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22291457020 File : met02_hg_062822 Time : 21-JUL-2022 11:07
Cal : 22291457001 Caldate : 21-JUL-2022
Standards: S16979, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.003600]	0.01000	mg/L	

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	418.4	mg/L	105	
Aluminum as Al2O3	A	755.8	790.5	mg/L	105	
Calcium	A	400.0	400.7	mg/L	100	
Calcium as CaCO3	A	998.9	1001	mg/L	100	
Iron	A	160.0	141.6	mg/L	89	
Iron as Fe2O3	A	228.8	202.5	mg/L	89	
Magnesium	A	400.0	418.4	mg/L	105	
Magnesium as MgCO3	A	1388	1451	mg/L	105	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	386737	323748	-16.29

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 465874 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22291457021 File : met02_hg_062822 Time : 21-JUL-2022 11:10
Cal : 22291457001 Caldate : 21-JUL-2022
Standards: S16601, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9174	mg/L	-8	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	386737	328802	-14.98

ENTHALPY CONTINUING CALIBRATION FOR 465874 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22291457034 File : met02_hg_062822 Time : 21-JUL-2022 12:03
Cal : 22291457001 Caldate : 21-JUL-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	470.12	527.70	1.000	0.9615	mg/L	-4	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	386737	358415	-7.32

ENTHALPY INSTRUMENT BLANK FOR 465874 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22291457035 File : met02_hg_062822 Time : 21-JUL-2022 12:07
Cal : 22291457001 Caldate : 21-JUL-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	386737	389925	0.82

SAMPLE PREPARATION SUMMARY

Batch # : 293293 Analysis : ICP
Started By : DLS Prep Date : 19-JUL-2022 15:40 Finished By : DLS
Method : 3050B Units : ft2
Spike #1 ID : S16855 Spike #2 ID : S16906

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
465874-002		Wipe	1	100	1	100.0						6010	
465874-004		Wipe	1.0276	100	1	97.31						6010	
465874-006		Wipe	1	100	1	100.0						6010	
465889-002		Wipe	1.0276	100	1	97.31						6010	
465889-004		Wipe	1.0276	100	1	97.31						6010	
465889-006		Wipe	1.0276	100	1	97.31						6010	
465889-008		Wipe	1	100	1	100.0						6010	
465889-009		Wipe	1	100	1	100.0						6010	
465889-011		Wipe	1	100	1	100.0						6010	
465889-013		Wipe	1	100	1	100.0						6010	
465889-016		Wipe	1.0276	100	1	97.31						6010	
465889-018		Wipe	1	100	1	100.0						6010	
QC1001449	BLANK	Wipe	1	100	1	100.0						ICP	
QC1001450	BS	Wipe	1	100	1	100.0		1	1			ICP	
QC1001451	BSD	Wipe	1	100	1	100.0		1	1			ICP	

Analyst: SBW Date: 07/20/22 Reviewer: SLL Date: 07/21/22

ICP Prep Log

Initials: DS Prep Method: 3050B / 3010A / 200.7 / STLC QC Batch #: 293293 Thermometer ID: 918625

Prep Start, Date/Time: 7/19/22 15:40 Prep End, Date/Time: 7/19/22 17:15 HotBlock Temperature, °C: 94

HotBlock ID: 3

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Vol. or Weight (mL or g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	-----	-----	-----	DS 7/19/22	NA	100	MLD0850000207	
LCS	-----	-----	-----					
LCSD	—	—	—	1 wipe				
465874-2	A	NA	wipe					
-4	A		wipe					
-6	A							
465889-2	A							
-4	A							
-6	A							
-8	A							
-9	A							
-11	A							
-13	A							
-16	A							
-18	A							

7/19/22

DS

Hydrochloric Acid ID: 10 ml 20350185

Nitric Acid ID: 10 mL- 214/0073

H_2O_2 ID: 3 ml 221315

LCS Spike ID: 1mL- 515855/516906

MS/MSD Spike ID:

ICP Raw Data

Enthalpy Sequence Summary for Sequence 22290114

Instrument : MET02 Begun : 07/20/22 11:14
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met02_hg_062822	ICALBLK				07/20/22 11:14	1.0	1	
002	met02_hg_062822	ICALBLK				07/20/22 11:20	1.0	1	
003	met02_hg_062822	ICAL	ICAL1			07/20/22 11:24	1.0	2 1	
004	met02_hg_062822	ICAL	ICAL2			07/20/22 11:28	1.0	3 1	
005	met02_hg_062822	ICAL	ICAL3			07/20/22 11:32	1.0	4 1	
006	met02_hg_062822	ICAL	ICAL4			07/20/22 11:36	1.0	5 1	
007	met02_hg_062822	ICAL	ICAL5			07/20/22 11:39	1.0	6 1	
008	met02_hg_062822	ICAL	ICAL6			07/20/22 11:42	1.0	7 1	
009	met02_hg_062822	ICAL	ICAL7			07/20/22 11:45	1.0	8 1	
010	met02_hg_062822	ICAL	ICAL8			07/20/22 11:49	1.0	9 1	
011	met02_hg_062822	XICV				07/20/22 11:52	1.0	10 1	
012	met02_hg_062822	XICB				07/20/22 12:29	1.0	1	
013	met02_hg_062822	ICV				07/20/22 12:38	1.0	10 1	
014	met02_hg_062822	ICB				07/20/22 12:49	1.0	1	
015	met02_hg_062822	ICB				07/20/22 12:54	1.0	1	
016	met02_hg_062822	ICSA				07/20/22 12:58	1.0	11 1	4:MGASMGCO3=1500
017	met02_hg_062822	ICSAB				07/20/22 13:01	1.0	12 1	4:MGASMGCO3=1500
018	met02_hg_062822	CRI				07/20/22 13:04	1.0	13 1	
019	met02_hg_062822	MSS	464984-001	Soil	293123	07/20/22 13:08	1.0	1	3:FEASFE2O3=260
020	met02_hg_062822	MS	QC1000910	Soil	293123	07/20/22 13:11	1.0	1	3:ALASAL2O3=350
021	met02_hg_062822	MSD	QC1000911	Soil	293123	07/20/22 13:15	1.0	1	3:ALASAL2O3=380
022	met02_hg_062822	BLANK	QC1001244	Soil	293219	07/20/22 13:21	1.0	1	4:MGASMGCO3=1500
023	met02_hg_062822	LCS	QC1001245	Soil	293219	07/20/22 13:24	1.0	1	4:MGASMGCO3=1400
024	met02_hg_062822	MSS	465548-001	Soil	293219	07/20/22 13:27	1.0	1	
025	met02_hg_062822	MS	QC1001246	Soil	293219	07/20/22 13:31	1.0	1	
026	met02_hg_062822	MSD	QC1001247	Soil	293219	07/20/22 13:35	1.0	1	
027	met02_hg_062822	CCV				07/20/22 13:39	1.0	10 1	
028	met02_hg_062822	CCB				07/20/22 13:43	1.0	1	
029	met02_hg_062822	SAMPLE	465548-021	Soil	293219	07/20/22 14:00	1.0	1	1:FE=180
030	met02_hg_062822	SAMPLE	465548-022	Soil	293219	07/20/22 14:03	1.0	1	1:FE=190
031	met02_hg_062822	SAMPLE	465548-025	Soil	293219	07/20/22 14:06	1.0	1	1:FE=220
032	met02_hg_062822	SAMPLE	465548-026	Soil	293219	07/20/22 14:09	1.0	1	1:FE=200
033	met02_hg_062822	SAMPLE	465548-036	Soil	293219	07/20/22 14:12	1.0	1	
034	met02_hg_062822	SAMPLE	465548-037	Soil	293219	07/20/22 14:15	1.0	1	1:FE=180
035	met02_hg_062822	SAMPLE	465684-004	Soil	293219	07/20/22 14:18	1.0	1	
036	met02_hg_062822	SAMPLE	465685-004	Soil	293219	07/20/22 14:21	1.0	1	
037	met02_hg_062822	SAMPLE	465732-001	Soil	293219	07/20/22 14:24	1.0	1	
038	met02_hg_062822	SAMPLE	465771-001	Soil	293219	07/20/22 14:28	1.0	1	1:FE=210
039	met02_hg_062822	CCV				07/20/22 14:31	1.0	10 1	
040	met02_hg_062822	CCB				07/20/22 14:35	1.0	1	
041	met02_hg_062822	BLANK	QC1001369	Water	293253	07/20/22 14:39	1.0	1	
042	met02_hg_062822	LCS	QC1001370	Water	293253	07/20/22 14:43	1.0	1	
043	met02_hg_062822	SAMPLE	465744-001	Water	293253	07/20/22 14:47	1.0	1	1:SULFUR=140
044	met02_hg_062822	MSS	465773-001	Water	293253	07/20/22 14:51	1.0	1	2:NA=1300
045	met02_hg_062822	MS	QC1001371	Water	293253	07/20/22 14:55	1.0	1	2:NA=1200
046	met02_hg_062822	MSD	QC1001372	Water	293253	07/20/22 14:59	1.0	1	2:NA=1400
047	met02_hg_062822	SAMPLE	465825-001	Water	293253	07/20/22 15:03	1.0	1	
048	met02_hg_062822	SAMPLE	465841-001	Water	293253	07/20/22 15:07	1.0	1	
049	met02_hg_062822	SAMPLE	465891-002	Sea Water	293253	07/20/22 15:10	1.0	1	3:MG=1400
050	met02_hg_062822	BLANK	QC1001404	TCLP Leachate	293269	07/20/22 15:14	1.0	1	1:NA=1200
051	met02_hg_062822	CCV				07/20/22 15:18	1.0	10 1	
052	met02_hg_062822	CCB				07/20/22 15:22	1.0	1	

Enthalpy Sequence Summary for Sequence 22290114

Instrument : MET02 Begun : 07/20/22 11:14
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met02_hg_062822	LCS	QC1001405	TCLP Leachate	293269	07/20/22 15:26	1.0	1	3:NA=1300
054	met02_hg_062822	SAMPLE	465746-001	TCLP Leachate	293269	07/20/22 15:30	1.0	1	1:NA=1200
055	met02_hg_062822	SAMPLE	465746-002	TCLP Leachate	293269	07/20/22 15:35	1.0	1	1:NA=1200
056	met02_hg_062822	SAMPLE	465746-003	TCLP Leachate	293269	07/20/22 15:39	1.0	1	1:NA=1300
057	met02_hg_062822	MSS	465746-004	TCLP Leachate	293269	07/20/22 15:43	1.0	1	2:NA=1300
058	met02_hg_062822	BS	QC1001462	Air	293297	07/20/22 15:47	1.0	1	
059	met02_hg_062822	BSD	QC1001463	Air	293297	07/20/22 15:51	1.0	1	
060	met02_hg_062822	MS	QC1001406	TCLP Leachate	293269	07/20/22 15:55	1.0	1	4:NA=1200
061	met02_hg_062822	MSD	QC1001407	TCLP Leachate	293269	07/20/22 15:59	1.0	1	4:NA=1200
062	met02_hg_062822	SAMPLE	465746-005	TCLP Leachate	293269	07/20/22 16:03	1.0	1	1:NA=1400
063	met02_hg_062822	CCV				07/20/22 16:07	1.0	10 1	
064	met02_hg_062822	CCB				07/20/22 16:11	1.0	1	
065	met02_hg_062822	BLANK	QC1001373	Soil	293259	07/20/22 16:15	1.0	1	
066	met02_hg_062822	LCS	QC1001374	Soil	293259	07/20/22 16:19	1.0	1	
067	met02_hg_062822	MSD	QC1000101	Filtrate	292865	07/20/22 16:23	1.0	1	2:SILSI=40
068	met02_hg_062822	MS	QC1000100	Filtrate	292865	07/20/22 16:27	1.0	1	2:SILSI=42
069	met02_hg_062822	LCS	QC1000099	Filtrate	292865	07/20/22 16:31	1.0	1	
070	met02_hg_062822	SAMPLE	465721-001	Miscell.	293259	07/20/22 16:35	1.0	1	1:FE=210
071	met02_hg_062822	SAMPLE	465721-002	Miscell.	293259	07/20/22 16:38	1.0	1	1:FE=210
072	met02_hg_062822	MSS	465810-021	Soil	293259	07/20/22 16:41	1.0	1	2:P=110
073	met02_hg_062822	MS	QC1001375	Soil	293259	07/20/22 16:45	1.0	1	3:P=100
074	met02_hg_062822	MSD	QC1001376	Soil	293259	07/20/22 16:49	1.0	1	3:P=110
075	met02_hg_062822	CCV				07/20/22 16:53	1.0	10 1	
076	met02_hg_062822	CCB				07/20/22 16:57	1.0	1	
077	met02_hg_062822	PDS	QC1001377	Soil	293259	07/20/22 17:01	1.0	1	1:P=110
078	met02_hg_062822	SAMPLE	465810-022	Soil	293259	07/20/22 17:05	1.0	1	
079	met02_hg_062822	SAMPLE	465810-024	Soil	293259	07/20/22 17:09	1.0	1	1:FE=180
080	met02_hg_062822	SAMPLE	465810-025	Soil	293259	07/20/22 17:12	1.0	1	
081	met02_hg_062822	SAMPLE	465810-026	Soil	293259	07/20/22 17:15	1.0	1	2:FE=220
082	met02_hg_062822	SAMPLE	465810-027	Soil	293259	07/20/22 17:18	1.0	1	1:FE=220
083	met02_hg_062822	SAMPLE	465810-028	Soil	293259	07/20/22 17:21	1.0	1	1:FE=290
084	met02_hg_062822	SAMPLE	465810-029	Soil	293259	07/20/22 17:24	1.0	1	1:FE=240
085	met02_hg_062822	SAMPLE	465810-030	Soil	293259	07/20/22 17:27	1.0	1	2:FE=250
086	met02_hg_062822	LCS	QC1000099	Filtrate	292865	07/20/22 17:30	1.0	1	
087	met02_hg_062822	CCV				07/20/22 17:34	1.0	10 1	
088	met02_hg_062822	CCB				07/20/22 17:39	1.0	1	
089	met02_hg_062822	BLANK	QC1001244	Soil	293219	07/20/22 17:43	1.0	1	
090	met02_hg_062822	LCS	QC1001245	Soil	293219	07/20/22 17:46	1.0	1	
091	met02_hg_062822	MSS	465548-001	Soil	293219	07/20/22 17:50	1.0	1	3:ALASAL2O3=460
092	met02_hg_062822	MS	QC1001246	Soil	293219	07/20/22 17:54	1.0	1	3:ALASAL2O3=600
093	met02_hg_062822	MSD	QC1001247	Soil	293219	07/20/22 17:57	1.0	1	3:ALASAL2O3=630
094	met02_hg_062822	CCV				07/20/22 18:00	1.0	10 1	
095	met02_hg_062822	CCB				07/20/22 18:04	1.0	1	
096	met02_hg_062822	PDS	QC1001248	Soil	293219	07/20/22 18:08	1.0	1	1:FE=230
097	met02_hg_062822	SAMPLE	465548-002	Soil	293219	07/20/22 18:11	1.0	1	
098	met02_hg_062822	SAMPLE	465548-005	Soil	293219	07/20/22 18:14	1.0	1	1:FE=200
099	met02_hg_062822	SAMPLE	465548-006	Soil	293219	07/20/22 18:17	1.0	1	1:FE=250
100	met02_hg_062822	SAMPLE	465548-009	Soil	293219	07/20/22 18:20	1.0	1	1:FE=180
101	met02_hg_062822	SAMPLE	465548-010	Soil	293219	07/20/22 18:23	1.0	1	1:FE=170
102	met02_hg_062822	SAMPLE	465548-013	Soil	293219	07/20/22 18:26	1.0	1	1:FE=170
103	met02_hg_062822	SAMPLE	465548-014	Soil	293219	07/20/22 18:29	1.0	1	1:FE=200
104	met02_hg_062822	SAMPLE	465548-017	Soil	293219	07/20/22 18:32	1.0	1	1:FE=180

Enthalpy Sequence Summary for Sequence 22290114

Instrument : MET02 Begun : 07/20/22 11:14
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
105	met02_hg_062822	SAMPLE	465548-018	Soil	293219	07/20/22 18:35	1.0	1	1:FE=170
106	met02_hg_062822	CCV				07/20/22 18:38	1.0	10 1	
107	met02_hg_062822	CCB				07/20/22 18:42	1.0	1	
108	met02_hg_062822	CCV				07/20/22 18:47	1.0	10 1	
109	met02_hg_062822	CCB				07/20/22 18:51	1.0	1	
110	met02_hg_062822	BLANK	QC1001452	Wipe	293294	07/20/22 18:55	1.0	1	
111	met02_hg_062822	BS	QC1001453	Wipe	293294	07/20/22 18:59	1.0	1	
112	met02_hg_062822	BSD	QC1001454	Wipe	293294	07/20/22 19:03	1.0	1	
113	met02_hg_062822	SAMPLE	465921-003	Wipe	293294	07/20/22 19:07	1.0	1	
114	met02_hg_062822	SAMPLE	465921-005	Wipe	293294	07/20/22 19:11	1.0	1	
115	met02_hg_062822	SAMPLE	465921-007	Wipe	293294	07/20/22 19:15	1.0	1	
116	met02_hg_062822	CCV				07/20/22 19:19	1.0	10 1	
117	met02_hg_062822	CCB				07/20/22 19:23	1.0	1	
118	met02_hg_062822	SAMPLE	465921-009	Wipe	293294	07/20/22 19:27	1.0	1	
119	met02_hg_062822	SAMPLE	465921-011	Wipe	293294	07/20/22 19:31	1.0	1	
120	met02_hg_062822	SAMPLE	465921-012	Wipe	293294	07/20/22 19:35	1.0	1	
121	met02_hg_062822	SAMPLE	465921-014	Wipe	293294	07/20/22 19:39	1.0	1	
122	met02_hg_062822	SAMPLE	465921-016	Wipe	293294	07/20/22 19:43	1.0	1	
123	met02_hg_062822	SAMPLE	465921-018	Wipe	293294	07/20/22 19:47	1.0	1	
124	met02_hg_062822	SAMPLE	465921-019	Wipe	293294	07/20/22 19:51	1.0	1	
125	met02_hg_062822	SAMPLE	465921-021	Wipe	293294	07/20/22 19:55	1.0	1	
126	met02_hg_062822	SAMPLE	465921-023	Wipe	293294	07/20/22 19:59	1.0	1	
127	met02_hg_062822	SAMPLE	465921-026	Wipe	293294	07/20/22 20:03	1.0	1	
128	met02_hg_062822	CCV				07/20/22 20:07	1.0	10 1	
129	met02_hg_062822	CCB				07/20/22 20:11	1.0	1	
130	met02_hg_062822	SAMPLE	465924-002	Wipe	293294	07/20/22 20:15	1.0	1	
131	met02_hg_062822	SAMPLE	465924-004	Wipe	293294	07/20/22 20:19	1.0	1	
132	met02_hg_062822	SAMPLE	465874-002	Wipe	293293	07/20/22 20:23	1.0	1	
133	met02_hg_062822	SAMPLE	465874-004	Wipe	293293	07/20/22 20:27	1.0	1	
134	met02_hg_062822	SAMPLE	465874-006	Wipe	293293	07/20/22 20:31	1.0	1	
135	met02_hg_062822	SAMPLE	465889-002	Wipe	293293	07/20/22 20:35	1.0	1	
136	met02_hg_062822	SAMPLE	465889-004	Wipe	293293	07/20/22 20:38	1.0	1	
137	met02_hg_062822	SAMPLE	465889-006	Wipe	293293	07/20/22 20:42	1.0	1	
138	met02_hg_062822	SAMPLE	465889-008	Wipe	293293	07/20/22 20:46	1.0	1	
139	met02_hg_062822	SAMPLE	465889-009	Wipe	293293	07/20/22 20:50	1.0	1	
140	met02_hg_062822	CCV				07/20/22 20:54	1.0	10 1	
141	met02_hg_062822	CCB				07/20/22 20:58	1.0	1	
142	met02_hg_062822	SAMPLE	465889-011	Wipe	293293	07/20/22 21:02	1.0	1	
143	met02_hg_062822	SAMPLE	465889-013	Wipe	293293	07/20/22 21:06	1.0	1	
144	met02_hg_062822	SAMPLE	465889-016	Wipe	293293	07/20/22 21:10	1.0	1	
145	met02_hg_062822	SAMPLE	465889-018	Wipe	293293	07/20/22 21:14	1.0	1	
146	met02_hg_062822	BLANK	QC1001449	Wipe	293293	07/20/22 21:19	1.0	1	
147	met02_hg_062822	BS	QC1001450	Wipe	293293	07/20/22 21:29	1.0	1	
148	met02_hg_062822	BLANK	QC1000451	Soil	292979	07/20/22 21:33	1.0	1	
149	met02_hg_062822	BSD	QC1001451	Wipe	293293	07/20/22 21:37	1.0	1	
150	met02_hg_062822	CCV				07/20/22 21:41	1.0	10 1	
151	met02_hg_062822	CCV				07/20/22 21:45	1.0	10 1	
152	met02_hg_062822	CCB				07/20/22 21:49	1.0	1	
153	met02_hg_062822	BLANK	QC1001399	Soil	293267	07/20/22 21:54	1.0	1	
154	met02_hg_062822	LCS	QC1001400	Soil	293267	07/20/22 21:58	1.0	1	
155	met02_hg_062822	SAMPLE	465484-001	Miscell.	293267	07/20/22 22:02	1.0	1	
156	met02_hg_062822	SAMPLE	465637-003	Soil	293267	07/20/22 22:06	1.0	1	

Enthalpy Sequence Summary for Sequence 22290114

Instrument : MET02 Begun : 07/20/22 11:14
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
157	met02_hg_062822	CCV				07/20/22 22:09	1.0	10 1	
158	met02_hg_062822	CCB				07/20/22 22:13	1.0	1	
159	met02_hg_062822	SAMPLE	465637-004	Soil	293267	07/20/22 22:17	1.0	1	1:SULFUR=120
160	met02_hg_062822	SAMPLE	465637-005	Soil	293267	07/20/22 22:21	1.0	1	1:FE=330
161	met02_hg_062822	SAMPLE	465637-006	Soil	293267	07/20/22 22:24	1.0	1	
162	met02_hg_062822	SAMPLE	465637-007	Soil	293267	07/20/22 22:27	1.0	1	
163	met02_hg_062822	SAMPLE	465639-001	Miscell.	293267	07/20/22 22:31	1.0	1	1:FE=190
164	met02_hg_062822	MSS	465835-001	Soil	293267	07/20/22 22:34	1.0	1	2:FEASFE2O3=220
165	met02_hg_062822	MS	QC1001401	Soil	293267	07/20/22 22:37	1.0	1	3:ALASAL2O3=300
166	met02_hg_062822	MSD	QC1001402	Soil	293267	07/20/22 22:40	1.0	1	3:ALASAL2O3=270
167	met02_hg_062822	PDS	QC1001403	Soil	293267	07/20/22 22:43	1.0	1	
168	met02_hg_062822	BLANK	QC1001449	Wipe	293293	07/20/22 22:46	1.0	1	
169	met02_hg_062822	XCCV				07/20/22 22:50	1.0	10 1	
170	met02_hg_062822	CCV				07/20/22 22:58	1.0	10 1	
171	met02_hg_062822	CCB				07/20/22 23:02	1.0	1	
172	met02_hg_062822	BLANK	QC1001427	Water	293285	07/20/22 23:06	1.0	1	
173	met02_hg_062822	LCS	QC1001428	Water	293285	07/20/22 23:10	1.0	1	
174	met02_hg_062822	MSS	465331-001	Water	293285	07/20/22 23:14	1.0	1	
175	met02_hg_062822	MS	QC1001429	Water	293285	07/20/22 23:17	1.0	1	2:SILSI=23
176	met02_hg_062822	MSD	QC1001430	Water	293285	07/20/22 23:21	1.0	1	3:SULFUR=100
177	met02_hg_062822	BLANK	QC1001399	Soil	293267	07/20/22 23:25	1.0	1	
178	met02_hg_062822	CCV				07/20/22 23:30	1.0	10 1	
179	met02_hg_062822	XICV				07/21/22 00:20	1.0	10 1	
180	met02_hg_062822	XICV				07/21/22 00:57	1.0	10 1	
181	met02_hg_062822	CCB				07/21/22 02:33	1.0	1	
182	met02_hg_062822	XICV				07/21/22 02:39	1.0	10 1	

SBW 07/20/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 072.

SBW 07/21/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 073 through 182.

Standards used: 1=S13369 2=S16951 3=S16949 4=S16948 5=S16947 6=S16645 7=S16518 8=S16959 9=S16519 10=S16870 11=S16979 12=S16601 13=S16646

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst : MET02	Lab ID : 465874-002	Client ID : DOOR-N-0.1GW-INT-17 TO 18-220716-L-CB
Seqnum : 22290114132.1	Matrix : Wipe	Acct : RINCON-BERK (JG)
File : met02_hg_062822	Batch : 293293	Time : 20-JUL-2022 20:23
Cal : 22290114001	Caldate : 20-JUL-2022	
IDF : 1.0	Raw Units : mg/L	Units : ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.049	100	1.0		u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	473104	444630	-6.02

u=use

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC
User canceled analysis.

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Analysis Begun

Start Time: 7/20/2022 8:23:10 PM **Plasma On Time: 7/19/2022 8:35:56 AM**
Logged In Analyst: AAICP-ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 077C7020701 **Autosampler: ESI**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\07-19-22c.sif
Batch ID: 07-19-22
Results Data Set:
Results Library:

==========

Sequence No.: 140 **Autosampler Location: 204**
Sample ID: 465874-002,293293 **Date Collected: 7/20/2022 8:23:11 PM**
Analyst: sbw **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:

Mean Data: 465874-002,293293

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y Radial	83529.1	95.59	%	0.852				0.89%
Y Axial	444629.8	93.98	%	3.075				3.27%
Ag 328.068†	-568.3	0.0020	mg/L	0.00015	0.0020	mg/L	0.00015	7.86%
Al 308.215†	10296.8	1.269	mg/L	0.0414	1.269	mg/L	0.0414	3.26%
As 188.979†	5.9	0.0160	mg/L	0.00195	0.0160	mg/L	0.00195	12.21%
B 249.677†	8.6	0.0018	mg/L	0.00247	0.0018	mg/L	0.00247	135.53%
Ba 233.527†	265.2	0.0093	mg/L	0.00027	0.0093	mg/L	0.00027	2.86%
Be 313.107†	58.3	0.0002	mg/L	0.00008	0.0002	mg/L	0.00008	34.87%
Ca 315.887†	45080.5	13.62	mg/L	0.085	13.62	mg/L	0.085	0.62%
Cd 214.440†	7.8	0.0008	mg/L	0.00021	0.0008	mg/L	0.00021	25.53%
Co 228.616†	31.2	0.0051	mg/L	0.00049	0.0051	mg/L	0.00049	9.44%
Cr 267.716†	388.5	0.0200	mg/L	0.00119	0.0200	mg/L	0.00119	5.98%
Cu 324.752†	12693.9	0.2236	mg/L	0.00488	0.2236	mg/L	0.00488	2.18%
Fe 238.204†	818468.1	48.89	mg/L	0.719	48.89	mg/L	0.719	1.47%
Li 670.784†	68.4	0.0007	mg/L	0.00045	0.0007	mg/L	0.00045	67.83%
Mg 279.077†	492.2	2.160	mg/L	0.0302	2.160	mg/L	0.0302	1.40%
Mn 257.610†	75636.1	0.2880	mg/L	0.00740	0.2880	mg/L	0.00740	2.57%
Mo 202.031†	0.1	0.0001	mg/L	0.00085	0.0001	mg/L	0.00085	911.72%
Ni 231.604†	109.1	0.0505	mg/L	0.00219	0.0505	mg/L	0.00219	4.33%
Pb 220.353†	611.5	1.049	mg/L	0.0408	1.049	mg/L	0.0408	3.89%
Sb 206.836†	5.4	0.0112	mg/L	0.00471	0.0112	mg/L	0.00471	42.07%
Se 196.026†	-1.4	-0.0086	mg/L	0.01124	-0.0086	mg/L	0.01124	130.19%
Si 251.611†	12376.3	2.293	mg/L	0.0486	2.293	mg/L	0.0486	2.12%
Sn 189.927†	12.4	0.0381	mg/L	0.00407	0.0381	mg/L	0.00407	10.69%
Sr 421.552†	27516.8	0.0240	mg/L	0.00069	0.0240	mg/L	0.00069	2.86%
Ti 334.940†	26206.6	0.0893	mg/L	0.00607	0.0893	mg/L	0.00607	6.80%
Tl 190.801†	-2.8	-0.0021	mg/L	0.00640	-0.0021	mg/L	0.00640	303.11%
V 290.880†	76.9	0.0019	mg/L	0.00024	0.0019	mg/L	0.00024	12.47%
Zn 206.200†	2325.1	0.9048	mg/L	0.03675	0.9048	mg/L	0.03675	4.06%
P 213.617†	14.3	0.2037	mg/L	0.03091	0.2037	mg/L	0.03091	15.17%
S 181.975†	116.2	5.105	mg/L	0.1860	5.105	mg/L	0.1860	3.64%
Na 589.592†	26012.0	4.966	mg/L	0.0811	4.966	mg/L	0.0811	1.63%
K 766.490†	11177.9	5.577	mg/L	0.0938	5.577	mg/L	0.0938	1.68%
Hg 253.652†	41.0	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET02	Lab ID	: 465874-004	Client ID	: DOOR-N-0.4GW-DG-4 TO 17-220716-L-LA
Seqnum	: 22290114133.1	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met02_hg_062822	Batch	: 293293	Time	: 20-JUL-2022 20:27
Cal	: 22290114001	Caldate	: 20-JUL-2022		
IDF	: 1.0	Raw Units	: mg/L	Units	: ug/ft2

1.03 ft2 --> 100.0 ml = 97.31 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.041	200	0.97		u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	473104	459458	-2.88

u=use

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 141 **Autosampler Location: 205**
Sample ID: 465874-004,293293 **Date Collected: 7/20/2022 8:27:09 PM**
Analyst: sbw **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: 465874-004,293293

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y Radial	83440.7	95.49	%	2.241				2.35%
Y Axial	459457.8	97.12	%	2.886				2.97%
Ag 328.068†	-512.9	0.0019	mg/L	0.00064	0.0019	mg/L	0.00064	33.33%
Al 308.215†	20002.0	2.465	mg/L	0.0526	2.465	mg/L	0.0526	2.13%
As 188.979†	-0.3	-0.0007	mg/L	0.00587	-0.0007	mg/L	0.00587	787.27%
B 249.677†	15.4	0.0033	mg/L	0.00180	0.0033	mg/L	0.00180	55.04%
Ba 233.527†	400.9	0.0141	mg/L	0.00025	0.0141	mg/L	0.00025	1.81%
Be 313.107†	32.5	0.0001	mg/L	0.00008	0.0001	mg/L	0.00008	60.73%
Ca 315.887†	49797.4	15.05	mg/L	0.054	15.05	mg/L	0.054	0.36%
Cd 214.440†	6.0	0.0006	mg/L	0.00005	0.0006	mg/L	0.00005	7.58%
Co 228.616†	36.0	0.0058	mg/L	0.00055	0.0058	mg/L	0.00055	9.39%
Cr 267.716†	644.2	0.0331	mg/L	0.00071	0.0331	mg/L	0.00071	2.14%
Cu 324.752†	12599.0	0.2219	mg/L	0.00630	0.2219	mg/L	0.00630	2.84%
Fe 238.204†	750050.9	44.80	mg/L	0.673	44.80	mg/L	0.673	1.50%
Li 670.784†	47.7	0.0005	mg/L	0.00053	0.0005	mg/L	0.00053	116.95%
Mg 279.077†	667.0	2.928	mg/L	0.0828	2.928	mg/L	0.0828	2.83%
Mn 257.610†	91015.4	0.3466	mg/L	0.00437	0.3466	mg/L	0.00437	1.26%
Mo 202.031†	0.8	0.0009	mg/L	0.00222	0.0009	mg/L	0.00222	254.06%
Ni 231.604†	181.3	0.0838	mg/L	0.00200	0.0838	mg/L	0.00200	2.39%
Pb 220.353†	1189.9	2.041	mg/L	0.0458	2.041	mg/L	0.0458	2.24%
Sb 206.836†	4.6	0.0093	mg/L	0.00569	0.0093	mg/L	0.00569	60.95%
Se 196.026†	0.2	0.0014	mg/L	0.01036	0.0014	mg/L	0.01036	754.05%
Si 251.611†	15731.4	2.914	mg/L	0.0609	2.914	mg/L	0.0609	2.09%
Sn 189.927†	8.3	0.0254	mg/L	0.00284	0.0254	mg/L	0.00284	11.16%
Sr 421.552†	36185.5	0.0316	mg/L	0.00041	0.0316	mg/L	0.00041	1.29%
Ti 334.940†	51482.2	0.1753	mg/L	0.00451	0.1753	mg/L	0.00451	2.57%
Tl 190.801†	2.9	0.0045	mg/L	0.00478	0.0045	mg/L	0.00478	106.36%
V 290.880†	208.7	0.0052	mg/L	0.00087	0.0052	mg/L	0.00087	16.87%
Zn 206.200†	2874.7	1.119	mg/L	0.0263	1.119	mg/L	0.0263	2.35%
P 213.617†	23.7	0.3360	mg/L	0.02759	0.3360	mg/L	0.02759	8.21%
S 181.975†	108.7	4.774	mg/L	0.1296	4.774	mg/L	0.1296	2.71%
Na 589.592†	27625.6	5.274	mg/L	0.0436	5.274	mg/L	0.0436	0.83%
K 766.490†	9815.4	4.897	mg/L	0.0210	4.897	mg/L	0.0210	0.43%
Hg 253.652†	48.5	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET02	Lab ID	: 465874-006	Client ID	: AFRAME-C1W-LAT-L3-EXT-1 TO 2-220716-L-WF
Seqnum	: 22290114134.1	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met02_hg_062822	Batch	: 293293	Time	: 20-JUL-2022 20:31
Cal	: 22290114001	Caldate	: 20-JUL-2022		
IDF	: 1.0	Raw Units	: mg/L	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.596	160	1.0		u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	473104	396137	-16.27

u=use

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 142 **Autosampler Location: 206**
Sample ID: 465874-006,293293 **Date Collected: 7/20/2022 8:31:06 PM**
Analyst: sbw **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: 465874-006,293293

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y Radial	76192.5	87.19	%	3.080				3.53%
Y Axial	396137.0	83.73	%	1.143				1.36%
Ag 328.068†	-353.6	0.0021	mg/L	0.00017	0.0021	mg/L	0.00017	8.16%
Al 308.215†	8564.3	1.056	mg/L	0.0346	1.056	mg/L	0.0346	3.27%
As 188.979†	-2.5	-0.0068	mg/L	0.00615	-0.0068	mg/L	0.00615	89.92%
B 249.677†	17.0	0.0036	mg/L	0.00053	0.0036	mg/L	0.00053	14.79%
Ba 233.527†	420.5	0.0148	mg/L	0.00050	0.0148	mg/L	0.00050	3.36%
Be 313.107†	42.6	0.0002	mg/L	0.00018	0.0002	mg/L	0.00018	100.79%
Ca 315.887†	35965.5	10.87	mg/L	0.120	10.87	mg/L	0.120	1.10%
Cd 214.440†	7.5	0.0008	mg/L	0.00041	0.0008	mg/L	0.00041	51.63%
Co 228.616†	48.3	0.0081	mg/L	0.00036	0.0081	mg/L	0.00036	4.45%
Cr 267.716†	372.2	0.0191	mg/L	0.00072	0.0191	mg/L	0.00072	3.78%
Cu 324.752†	8768.0	0.1544	mg/L	0.00370	0.1544	mg/L	0.00370	2.39%
Fe 238.204†	575082.7	34.35	mg/L	1.162	34.35	mg/L	1.162	3.38%
Li 670.784†	-9.4	-0.0001	mg/L	0.00057	-0.0001	mg/L	0.00057	635.86%
Mg 279.077†	452.1	1.984	mg/L	0.0474	1.984	mg/L	0.0474	2.39%
Mn 257.610†	65071.9	0.2478	mg/L	0.00865	0.2478	mg/L	0.00865	3.49%
Mo 202.031†	-1.7	-0.0019	mg/L	0.00157	-0.0019	mg/L	0.00157	81.75%
Ni 231.604†	70.3	0.0325	mg/L	0.00131	0.0325	mg/L	0.00131	4.02%
Pb 220.353†	930.6	1.596	mg/L	0.0365	1.596	mg/L	0.0365	2.29%
Sb 206.836†	4.7	0.0096	mg/L	0.00254	0.0096	mg/L	0.00254	26.40%
Se 196.026†	0.1	0.0007	mg/L	0.01190	0.0007	mg/L	0.01190	>999.9%
Si 251.611†	10483.7	1.942	mg/L	0.1086	1.942	mg/L	0.1086	5.59%
Sn 189.927†	5.8	0.0178	mg/L	0.00319	0.0178	mg/L	0.00319	17.89%
Sr 421.552†	24168.8	0.0211	mg/L	0.00070	0.0211	mg/L	0.00070	3.31%
Ti 334.940†	16926.0	0.0576	mg/L	0.00354	0.0576	mg/L	0.00354	6.14%
Tl 190.801†	-2.8	-0.0023	mg/L	0.00162	-0.0023	mg/L	0.00162	69.73%
V 290.880†	26.2	0.0006	mg/L	0.00027	0.0006	mg/L	0.00027	41.84%
Zn 206.200†	3773.9	1.469	mg/L	0.0487	1.469	mg/L	0.0487	3.31%
P 213.617†	15.4	0.2189	mg/L	0.01186	0.2189	mg/L	0.01186	5.42%
S 181.975†	95.5	4.192	mg/L	0.1968	4.192	mg/L	0.1968	4.70%
Na 589.592†	18434.8	3.519	mg/L	0.1412	3.519	mg/L	0.1412	4.01%
K 766.490†	8530.4	4.256	mg/L	0.0895	4.256	mg/L	0.0895	2.10%
Hg 253.652†	51.1	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

ENTHALPY INITIAL CALIBRATION FOR 465874 METALS Wipe: EPA 6010B

Instrument:	MET02		
Calibration #:	22290114001	Date:	20-JUL-2022 11:20
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met02_hg_062822	22290114003	ICAL1	20-JUL-2022 11:24	S16951, S13369 (100X)
L2	met02_hg_062822	22290114004	ICAL2	20-JUL-2022 11:28	S16949, S13369 (100X)
L3	met02_hg_062822	22290114005	ICAL3	20-JUL-2022 11:32	S16948, S13369 (100X)
L4	met02_hg_062822	22290114006	ICAL4	20-JUL-2022 11:36	S16947, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	560.00	534.00	552.10	583.35	LORG	0.00000	0.00172		557.36	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
LORG: Linear regression forced through origin

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0100	-4	0.1000	-8	1.0000	-5	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 465874 METALS Wipe
EPA 6010B

Inst : MET02
Calnum : 22290114001 Cal Date : 20-JUL-2022

ICV 22290114013 (20-JUL-2022) stds: S16870, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	0.9846	mg/L	-2	

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Analysis Begun

Start Time: 7/20/2022 11:20:27 AM **Plasma On Time: 7/19/2022 8:35:56 AM**
Logged In Analyst: AAICP-ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 077C7020701 **Autosampler: ESI**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\07-19-22.sif
Batch ID: 07-19-22
Results Data Set:
Results Library:

==========

Sequence No.: 1 **Autosampler Location: 1**
Sample ID: ICALBLK **Date Collected: 7/20/2022 11:20:35 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:

Mean Data: ICALBLK

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	87385.3	4929.38	5.64%	100.0	%
Y Axial	473104.0	16933.85	3.58%	100.0	%
Ag 328.068†	144.8	14.84	10.24%	[0.00]	mg/L
Al 308.215†	192.3	41.73	21.69%	[0.00]	mg/L
As 188.979†	0.3	1.05	309.20%	[0.00]	mg/L
B 249.677†	123.5	6.39	5.17%	[0.00]	mg/L
Ba 233.527†	-10.1	1.55	15.40%	[0.00]	mg/L
Be 313.107†	45.7	14.44	31.62%	[0.00]	mg/L
Ca 315.887†	134.4	27.54	20.49%	[0.00]	mg/L
Cd 214.440†	6.5	0.39	6.03%	[0.00]	mg/L
Co 228.616†	-14.4	1.45	10.03%	[0.00]	mg/L
Cr 267.716†	4.4	6.50	146.19%	[0.00]	mg/L
Cu 324.752†	370.4	27.28	7.36%	[0.00]	mg/L
Fe 238.204†	516.0	25.02	4.85%	[0.00]	mg/L
Li 670.784†	907.4	36.30	4.00%	[0.00]	mg/L
Mg 279.077†	2.8	5.69	204.75%	[0.00]	mg/L
Mn 257.610†	29.5	25.20	85.31%	[0.00]	mg/L
Mo 202.031†	1.8	0.73	39.59%	[0.00]	mg/L
Ni 231.604†	-3.8	1.35	35.51%	[0.00]	mg/L
Pb 220.353†	-0.3	1.48	502.43%	[0.00]	mg/L
Sb 206.836†	3.3	1.45	43.78%	[0.00]	mg/L
Se 196.026†	1.5	1.34	89.47%	[0.00]	mg/L
Si 251.611†	67.4	4.28	6.36%	[0.00]	mg/L
Sn 189.927†	2.5	0.68	26.95%	[0.00]	mg/L
Sr 421.552†	708.0	78.30	11.06%	[0.00]	mg/L
Ti 334.940†	447.7	79.28	17.71%	[0.00]	mg/L
Tl 190.801†	-6.3	2.93	46.38%	[0.00]	mg/L
V 290.880†	54.4	16.01	29.44%	[0.00]	mg/L
Zn 206.200†	3.9	1.52	39.14%	[0.00]	mg/L
P 213.617†	-2.0	0.58	29.35%	[0.00]	mg/L
S 181.975†	0.8	1.53	187.78%	[0.00]	mg/L
Na 589.592†	16952.1	1012.24	5.97%	[0.00]	mg/L
K 766.490†	1289.3	66.61	5.17%	[0.00]	mg/L
Hg 253.652†	297.0	18.99	6.39%	[0.00]	mg/L

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 2 **Autosampler Location: 2**
Sample ID: ICAL, ICAL1, S16951 **Date Collected: 7/20/2022 11:24:37 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL1, S16951

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	85632.9	3451.12	4.03%	97.99	%
Y Axial	469051.6	4182.27	0.89%	99.14	%
Al 308.215†	145.1	34.78	23.98%	[0.02]	mg/L
As 188.979†	2.3	0.92	39.17%	[0.01]	mg/L
B 249.677†	41.6	1.14	2.74%	[0.01]	mg/L
Ba 233.527†	290.2	6.71	2.31%	[0.01]	mg/L
Be 313.107†	1279.5	22.27	1.74%	[0.005]	mg/L
Ca 315.887†	312.0	13.71	4.39%	[0.1]	mg/L
Cd 214.440†	50.6	1.12	2.22%	[0.005]	mg/L
Co 228.616†	28.0	1.31	4.69%	[0.005]	mg/L
Cr 267.716†	197.1	8.49	4.31%	[0.01]	mg/L
Cu 324.752†	585.1	29.47	5.04%	[0.01]	mg/L
Fe 238.204†	388.6	11.21	2.88%	[0.02]	mg/L
Li 670.784†	1095.6	43.48	3.97%	[0.01]	mg/L
Mg 279.077†	19.9	2.55	12.78%	[0.1]	mg/L
Mn 257.610†	2813.3	35.42	1.26%	[0.01]	mg/L
Mo 202.031†	7.2	0.79	11.02%	[0.01]	mg/L
Ni 231.604†	20.0	1.41	7.04%	[0.01]	mg/L
Pb 220.353†	5.6	0.40	7.24%	[0.01]	mg/L
Sb 206.836†	16.4	1.46	8.94%	[0.03]	mg/L
Se 196.026†	3.6	2.31	63.78%	[0.03]	mg/L
Si 251.611†	568.5	4.38	0.77%	[0.1]	mg/L
Sn 189.927†	3.8	0.98	25.56%	[0.01]	mg/L
Sr 421.552†	61879.9	540.82	0.87%	[0.05]	mg/L
Ti 334.940†	2639.3	86.17	3.27%	[0.01]	mg/L
Tl 190.801†	28.6	2.75	9.61%	[0.03]	mg/L
V 290.880†	192.4	46.84	24.35%	[0.005]	mg/L
Zn 206.200†	86.9	3.22	3.71%	[0.03]	mg/L
P 213.617†	82.2	0.62	0.75%	[1]	mg/L
S 181.975†	25.9	0.88	3.40%	[1]	mg/L
Na 589.592†	1446.2	670.88	46.39%	[0.5]	mg/L
K 766.490†	804.3	91.08	11.32%	[0.5]	mg/L
Hg 253.652†	6.5	12.16	186.27%	[0]	mg/L

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 3 **Autosampler Location: 3**
Sample ID: ICAL, ICAL2, S16949 **Date Collected: 7/20/2022 11:28:35 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL2, S16949

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	94228.5	1204.48	1.28%	107.8	%
Y Axial	509417.5	9177.66	1.80%	107.7	%
Al 308.215†	1443.9	22.70	1.57%	[0.2]	mg/L
As 188.979†	30.5	2.11	6.92%	[0.1]	mg/L
B 249.677†	396.1	19.80	5.00%	[0.1]	mg/L
Ba 233.527†	2646.5	109.80	4.15%	[0.1]	mg/L
Be 313.107†	11921.1	314.17	2.64%	[0.05]	mg/L
Cd 214.440†	452.1	19.04	4.21%	[0.05]	mg/L
Co 228.616†	272.4	12.13	4.45%	[0.05]	mg/L
Cr 267.716†	1795.6	81.38	4.53%	[0.1]	mg/L
Cu 324.752†	4790.4	152.02	3.17%	[0.1]	mg/L
Fe 238.204†	2885.6	130.15	4.51%	[0.2]	mg/L
Li 670.784†	9034.6	162.31	1.80%	[0.1]	mg/L
Mn 257.610†	23970.7	767.98	3.20%	[0.1]	mg/L
Mo 202.031†	68.0	3.01	4.43%	[0.1]	mg/L
Ni 231.604†	193.2	6.19	3.20%	[0.1]	mg/L
Pb 220.353†	53.4	2.74	5.13%	[0.1]	mg/L
Sb 206.836†	126.0	7.09	5.62%	[0.3]	mg/L
Se 196.026†	44.9	3.92	8.73%	[0.3]	mg/L
Sn 189.927†	27.4	0.85	3.09%	[0.1]	mg/L
Sr 421.552†	575811.5	3758.69	0.65%	[0.5]	mg/L
Ti 334.940†	25112.2	787.25	3.13%	[0.1]	mg/L
Tl 190.801†	257.5	14.94	5.80%	[0.3]	mg/L
V 290.880†	1843.4	64.02	3.47%	[0.05]	mg/L
Zn 206.200†	723.2	31.69	4.38%	[0.3]	mg/L
Hg 253.652†	-22.6	2.96	13.09%	[0]	mg/L

Standard intensity and concentration values are not in the same order.

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 4 **Autosampler Location: 4**
Sample ID: ICAL, ICAL3, S16948 **Date Collected: 7/20/2022 11:32:30 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL3, S16948

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	88625.8	1404.32	1.58%	101.4	%
Y Axial	517188.5	14784.34	2.86%	109.3	%
Al 308.215†	14772.1	412.93	2.80%	[2]	mg/L
As 188.979†	332.9	2.33	0.70%	[1]	mg/L
B 249.677†	4227.4	138.51	3.28%	[1]	mg/L
Ba 233.527†	27061.5	777.57	2.87%	[1]	mg/L
Be 313.107†	122543.1	1213.85	0.99%	[0.5]	mg/L
Cd 214.440†	4633.2	177.52	3.83%	[0.5]	mg/L
Co 228.616†	2777.0	80.07	2.88%	[0.5]	mg/L
Cr 267.716†	18156.2	528.51	2.91%	[1]	mg/L
Cu 324.752†	52479.3	547.03	1.04%	[1]	mg/L
Fe 238.204†	32034.5	973.07	3.04%	[2]	mg/L
Li 670.784†	97750.4	454.40	0.46%	[1]	mg/L
Mn 257.610†	246172.1	2290.98	0.93%	[1]	mg/L
Mo 202.031†	737.8	5.37	0.73%	[1]	mg/L
Ni 231.604†	2002.0	57.89	2.89%	[1]	mg/L
Pb 220.353†	552.1	9.94	1.80%	[1]	mg/L
Sb 206.836†	1229.4	7.72	0.63%	[3]	mg/L
Se 196.026†	473.4	6.17	1.30%	[3]	mg/L
Sn 189.927†	301.3	3.28	1.09%	[1]	mg/L
Sr 421.552†	5723433.5	320968.20	5.61%	[5]	mg/L
Ti 334.940†	264244.1	3279.84	1.24%	[1]	mg/L
Tl 190.801†	2813.4	26.75	0.95%	[3]	mg/L
V 290.880†	18625.2	534.54	2.87%	[0.5]	mg/L
Zn 206.200†	7580.0	277.07	3.66%	[3]	mg/L
Hg 253.652†	6.3	5.09	81.07%	[0]	mg/L

Standard intensity and concentration values are not in the same order.

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 5 **Autosampler Location: 5**
Sample ID: ICAL, ICAL4, S16947 **Date Collected: 7/20/2022 11:36:34 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL4, S16947

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	84392.8	1636.24	1.94%	96.58	%
Y Axial	461404.4	3720.84	0.81%	97.53	%
Al 308.215†	162409.1	1669.03	1.03%	[20]	mg/L
As 188.979†	3684.4	63.25	1.72%	[10]	mg/L
B 249.677†	47122.2	590.22	1.25%	[10]	mg/L
Ba 233.527†	284967.6	2347.85	0.82%	[10]	mg/L
Cd 214.440†	47766.5	529.87	1.11%	[5]	mg/L
Co 228.616†	29472.8	385.02	1.31%	[5]	mg/L
Cr 267.716†	194753.6	1849.52	0.95%	[10]	mg/L
Cu 324.752†	568190.3	5159.89	0.91%	[10]	mg/L
Fe 238.204†	334968.0	3449.56	1.03%	[20]	mg/L
Li 670.784†	1042917.3	3328.44	0.32%	[10]	mg/L
Mn 257.610†	2627974.9	60602.48	2.31%	[10]	mg/L
Mo 202.031†	8929.7	229.47	2.57%	[10]	mg/L
Ni 231.604†	21643.0	575.38	2.66%	[10]	mg/L
Pb 220.353†	5833.5	117.79	2.02%	[10]	mg/L
Sb 206.836†	14379.6	369.40	2.57%	[30]	mg/L
Sn 189.927†	3253.9	59.64	1.83%	[10]	mg/L
Ti 334.940†	2938997.6	70089.94	2.38%	[10]	mg/L
Tl 190.801†	29171.5	868.48	2.98%	[30]	mg/L
V 290.880†	202649.3	1825.89	0.90%	[5]	mg/L
Zn 206.200†	77106.1	879.95	1.14%	[30]	mg/L
Hg 253.652†	82.6	6.87	8.31%	[0]	mg/L

Standard intensity and concentration values are not in the same order.

==========

Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 6 **Autosampler Location: 9**
Sample ID: ICAL, ICAL5, S16645 **Date Collected: 7/20/2022 11:39:37 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL5, S16645

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	91760.8	1883.78	2.05%	105.0	%
Y Axial	461739.7	20155.13	4.37%	97.60	%
Ag 328.068†	128235.9	704.51	0.55%	[2]	mg/L
Hg 253.652†	-15.0	6.47	42.98%	[0]	mg/L

Standard intensity and concentration values are not in the same order.

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 7 **Autosampler Location: 10**
Sample ID: ICAL, ICAL6, S16518 **Date Collected: 7/20/2022 11:42:29 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL6, S16518

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	88912.0	990.89	1.11%	101.7	%
Y Axial	479051.1	10133.40	2.12%	101.3	%
Ca 315.887†	31931.2	295.72	0.93%	[10]	mg/L
Mg 279.077†	2226.9	9.27	0.42%	[10]	mg/L
Si 251.611†	53979.2	550.41	1.02%	[10]	mg/L
Na 589.592†	240910.4	4987.10	2.07%	[50]	mg/L
K 766.490†	88323.5	1182.56	1.34%	[50]	mg/L
Hg 253.652†	21.2	4.32	20.35%	[0]	mg/L

Standard intensity and concentration values are not in the same order.

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 8 **Autosampler Location: 101**
Sample ID: ICAL, ICAL7, S16959 **Date Collected: 7/20/2022 11:45:23 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL7, S16959

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	93016.9	2150.19	2.31%	106.4	%
Y Axial	499546.6	5706.66	1.14%	105.6	%
P 213.617†	702.8	22.03	3.13%	[10]	mg/L
S 181.975†	227.4	4.04	1.78%	[10]	mg/L
Hg 253.652†	-17.5	5.62	32.12%	[0]	mg/L

Standard intensity and concentration values are not in the same order.

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 9 **Autosampler Location: 102**
Sample ID: ICAL, ICAL8, S16519 **Date Collected: 7/20/2022 11:49:14 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL8, S16519

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	85764.0	2244.62	2.62%	98.14	%
Y Axial	437111.4	1262.39	0.29%	92.39	%
Ca 315.887†	661982.7	17835.35	2.69%	[200]	mg/L
Mg 279.077†	45563.7	552.44	1.21%	[200]	mg/L
Na 589.592†	1052932.2	23147.69	2.20%	[200]	mg/L
K 766.490†	403862.2	9444.56	2.34%	[200]	mg/L
Hg 253.652†	341.0	18.65	5.47%	[0]	mg/L

Standard intensity and concentration values are not in the same order.

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	1	Lin Thru 0	0.0	64120	0.00000	1.000000	
Al 308.215	4	Lin Thru 0	0.0	8113	0.00000	0.999959	
As 188.979	4	Lin Thru 0	0.0	368.1	0.00000	0.999953	
B 249.677	4	Lin Thru 0	0.0	4707	0.00000	0.999947	
Ba 233.527	4	Lin Thru 0	0.0	28480	0.00000	0.999987	
Be 313.107	3	Lin Thru 0	0.0	245000	0.00000	0.999996	
Ca 315.887	3	Lin Thru 0	0.0	3310	0.00000	0.999998	
Cd 214.440	4	Lin Thru 0	0.0	9550	0.00000	0.999995	
Co 228.616	4	Lin Thru 0	0.0	5891	0.00000	0.999983	
Cr 267.716	4	Lin Thru 0	0.0	19460	0.00000	0.999977	
Cu 324.752	4	Lin Thru 0	0.0	56780	0.00000	0.999970	
Fe 238.204	4	Lin Thru 0	0.0	16740	0.00000	0.999990	
Li 670.784	4	Lin Thru 0	0.0	104200	0.00000	0.999980	
Mg 279.077	3	Lin Thru 0	0.0	227.8	0.00000	0.999999	
Mn 257.610	4	Lin Thru 0	0.0	262600	0.00000	0.999980	
Mo 202.031	4	Lin Thru 0	0.0	891.4	0.00000	0.999849	
Ni 231.604	4	Lin Thru 0	0.0	2163	0.00000	0.999972	
Pb 220.353	4	Lin Thru 0	0.0	583.0	0.00000	0.999986	
Sb 206.836	4	Lin Thru 0	0.0	478.6	0.00000	0.999896	
Se 196.026	3	Lin Thru 0	0.0	157.7	0.00000	0.999985	
Si 251.611	2	Lin Thru 0	0.0	5398	0.00000	1.000000	
Sn 189.927	4	Lin Thru 0	0.0	325.1	0.00000	0.999972	
Sr 421.552	3	Lin Thru 0	0.0	1145000	0.00000	0.999999	
Ti 334.940	4	Lin Thru 0	0.0	293600	0.00000	0.999949	
Tl 190.801	4	Lin Thru 0	0.0	972.0	0.00000	0.999993	
V 290.880	4	Lin Thru 0	0.0	40500	0.00000	0.999967	
Zn 206.200	4	Lin Thru 0	0.0	2570	0.00000	0.999998	
P 213.617	2	Lin Thru 0	0.0	70.40	0.00000	0.999859	
S 181.975	2	Lin Thru 0	0.0	22.77	0.00000	0.999908	
Na 589.592	3	Lin Thru 0	0.0	5238	0.00000	0.999798	
K 766.490	3	Lin Thru 0	0.0	2004	0.00000	0.999560	
Hg 253.652	8	Lin Thru 0	0.0	0.0000	0.00000	0.000000	

==========

Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

==========

Sequence No.: 12 **Autosampler Location: 109**
Sample ID: ICSA, S16979 **Date Collected: 7/20/2022 12:32:59 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**
User canceled analysis.

==========

Analysis Begun

Start Time: 7/20/2022 12:38:33 PM **Plasma On Time: 7/19/2022 8:35:56 AM**
Logged In Analyst: AAICP-ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 077C7020701 **Autosampler: ESI**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\07-19-22.sif
Batch ID: 07-19-22
Results Data Set:
Results Library:

==========

Sequence No.: 10 **Autosampler Location: 7**
Sample ID: ICV, S16870 **Date Collected: 7/20/2022 12:38:34 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**
User canceled analysis.

==========

Analysis Begun

Start Time: 7/20/2022 12:38:58 PM **Plasma On Time: 7/19/2022 8:35:56 AM**
Logged In Analyst: AAICP-ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 077C7020701 **Autosampler: ESI**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\07-19-22.sif
Batch ID: 07-19-22
Results Data Set:
Results Library:

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Sequence No.: 10 **Autosampler Location: 7**
Sample ID: ICV, S16870 **Date Collected: 7/20/2022 12:38:58 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICV, S16870

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	88921.4	101.8	%	1.19				1.17%
Y Axial	454511.3	96.07	%	1.494				1.56%
Ag 328.068†	33351.0	0.5204	mg/L	0.01657	0.5204	mg/L	0.01657	3.18%
QC value within limits for Ag 328.068 Recovery = 104.08%								
Al 308.215†	8732.8	1.076	mg/L	0.0247	1.076	mg/L	0.0247	2.30%
QC value within limits for Al 308.215 Recovery = 107.64%								
As 188.979†	387.2	1.051	mg/L	0.0068	1.051	mg/L	0.0068	0.64%
QC value within limits for As 188.979 Recovery = 105.15%								
B 249.677†	4986.7	1.059	mg/L	0.0240	1.059	mg/L	0.0240	2.27%
QC value within limits for B 249.677 Recovery = 105.93%								
Ba 233.527†	28228.3	0.9911	mg/L	0.02899	0.9911	mg/L	0.02899	2.93%
QC value within limits for Ba 233.527 Recovery = 99.11%								
Be 313.107†	273138.6	1.115	mg/L	0.0093	1.115	mg/L	0.0093	0.84%
QC value greater than the upper limit for Be 313.107 Recovery = 111.48%								
Ca 315.887†	312931.2	94.55	mg/L	1.996	94.55	mg/L	1.996	2.11%
QC value within limits for Ca 315.887 Recovery = 93.62%								

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Cd 214.440†             9780.6       1.024 mg/L        0.0370       1.024 mg/L        0.0370   3.62%
   QC value within limits for Cd 214.440  Recovery = 102.41%
Co 228.616†             5892.9      0.9986 mg/L       0.03429      0.9986 mg/L       0.03429   3.43%
   QC value within limits for Co 228.616  Recovery = 99.86%
Cr 267.716†            19675.1       1.011 mg/L        0.0298       1.011 mg/L        0.0298   2.95%
   QC value within limits for Cr 267.716  Recovery = 101.09%
Cu 324.752†            56036.3      0.9870 mg/L       0.02641      0.9870 mg/L       0.02641   2.68%
   QC value within limits for Cu 324.752  Recovery = 98.70%
Fe 238.204†            18614.0       1.112 mg/L        0.0422       1.112 mg/L        0.0422   3.80%
   QC value greater than the upper limit for Fe 238.204  Recovery = 111.19%
Li 670.784†           109033.9       1.046 mg/L        0.0167       1.046 mg/L        0.0167   1.60%
   QC value within limits for Li 670.784  Recovery = 104.61%
Mg 279.077†            22394.9       98.31 mg/L         1.575       98.31 mg/L         1.575   1.60%
   QC value within limits for Mg 279.077  Recovery = 97.33%
Mn 257.610†           261150.3      0.9944 mg/L       0.00757      0.9944 mg/L       0.00757   0.76%
   QC value within limits for Mn 257.610  Recovery = 99.44%
Mo 202.031†              927.0       1.040 mg/L        0.0178       1.040 mg/L        0.0178   1.71%
   QC value within limits for Mo 202.031  Recovery = 103.99%
Ni 231.604†             2185.4       1.011 mg/L        0.0144       1.011 mg/L        0.0144   1.42%
   QC value within limits for Ni 231.604  Recovery = 101.05%
Pb 220.353†              574.1      0.9846 mg/L       0.01042      0.9846 mg/L       0.01042   1.06%
   QC value within limits for Pb 220.353  Recovery = 98.46%
Sb 206.836†              519.0       1.079 mg/L        0.0193       1.079 mg/L        0.0193   1.79%
   QC value within limits for Sb 206.836  Recovery = 107.88%
Se 196.026†              171.3       1.086 mg/L        0.0080       1.086 mg/L        0.0080   0.73%
   QC value within limits for Se 196.026  Recovery = 108.62%
Si 251.611†            31705.0       5.861 mg/L        0.2025       5.861 mg/L        0.2025   3.46%
   QC value greater than the upper limit for Si 251.611  Recovery = 117.23%
Sn 189.927†             1573.7       4.840 mg/L        0.0667       4.840 mg/L        0.0667   1.38%
   QC value within limits for Sn 189.927  Recovery = 96.80%
Sr 421.552†          1360121.9       1.188 mg/L        0.0019       1.188 mg/L        0.0019   0.16%
   QC value greater than the upper limit for Sr 421.552  Recovery = 118.81%
Ti 334.940†           290050.0      0.9879 mg/L       0.00744      0.9879 mg/L       0.00744   0.75%
   QC value within limits for Ti 334.940  Recovery = 98.79%
Tl 190.801†              975.6       1.012 mg/L        0.0193       1.012 mg/L        0.0193   1.91%
   QC value within limits for Tl 190.801  Recovery = 101.24%
V 290.880†             41939.9       1.036 mg/L        0.0297       1.036 mg/L        0.0297   2.87%
   QC value within limits for V 290.880  Recovery = 103.56%
Zn 206.200†             2737.7       1.065 mg/L        0.0135       1.065 mg/L        0.0135   1.26%
   QC value within limits for Zn 206.200  Recovery = 106.50%
P 213.617†               435.4       6.185 mg/L        0.1214       6.185 mg/L        0.1214   1.96%
S 181.975†                 2.8      0.1235 mg/L       0.14496      0.1235 mg/L       0.14496 117.36%
Na 589.592†           505303.2       96.46 mg/L         1.362       96.46 mg/L         1.362   1.41%
   QC value within limits for Na 589.592  Recovery = 95.51%
K 766.490†            209463.6       104.5 mg/L          1.62       104.5 mg/L          1.62   1.55%
   QC value within limits for K 766.490  Recovery = 95.00%
Hg 253.652†              205.6      0.0000 mg/L       0.00000      0.0000 mg/L       0.00000   0.00%
QC Failed.  Stop the analysis.
```

ENTHALPY INSTRUMENT BLANK FOR 465874 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114015 File : met02_hg_062822 Time : 20-JUL-2022 12:54
Cal : 22290114001 Caldate : 20-JUL-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	508391	7.46

==========

Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC
User canceled analysis.

==========

Analysis Begun

Start Time: 7/20/2022 12:54:25 PM **Plasma On Time: 7/19/2022 8:35:56 AM**
Logged In Analyst: AAICP-ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 077C7020701 **Autosampler: ESI**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\07-19-22.sif
Batch ID: 07-19-22
Results Data Set:
Results Library:

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Sequence No.: 11 **Autosampler Location: 8**
Sample ID: ICB **Date Collected: 7/20/2022 12:54:26 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y Radial	93540.7	107.0	%	1.47				1.37%
Y Axial	508390.5	107.5	%	2.87				2.67%
Ag 328.068†	7.6	0.0001	mg/L	0.00044	0.0001	mg/L	0.00044	384.29%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-54.7	-0.0067	mg/L	0.00507	-0.0067	mg/L	0.00507	75.19%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-1.4	-0.0037	mg/L	0.00329	-0.0037	mg/L	0.00329	88.86%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-33.4	-0.0071	mg/L	0.00120	-0.0071	mg/L	0.00120	16.87%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 233.527†	-0.5	-0.0000	mg/L	0.00006	-0.0000	mg/L	0.00006	366.89%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-1.3	-0.0000	mg/L	0.00014	-0.0000	mg/L	0.00014	>999.9%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	-50.8	-0.0153	mg/L	0.00756	-0.0153	mg/L	0.00756	49.28%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440†	-0.4	-0.0000	mg/L	0.00010	-0.0000	mg/L	0.00010	223.90%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	-0.9	-0.0001	mg/L	0.00045	-0.0001	mg/L	0.00045	297.84%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-1.0	-0.0001	mg/L	0.00009	-0.0001	mg/L	0.00009	168.11%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-244.7	-0.0043	mg/L	0.00010	-0.0043	mg/L	0.00010	2.38%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 238.204†	-426.7	-0.0255	mg/L	0.00071	-0.0255	mg/L	0.00071	2.78%
QC value within limits for Fe 238.204 Recovery = Not calculated								
Li 670.784†	-585.8	-0.0056	mg/L	0.00055	-0.0056	mg/L	0.00055	9.74%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.077†	2.0	0.0086	mg/L	0.00742	0.0086	mg/L	0.00742	86.06%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-369.0	-0.0014	mg/L	0.00007	-0.0014	mg/L	0.00007	5.32%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	0.4	0.0005	mg/L	0.00071	0.0005	mg/L	0.00071	143.25%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	0.6	0.0003	mg/L	0.00023	0.0003	mg/L	0.00023	80.67%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	0.2	0.0003	mg/L	0.00198	0.0003	mg/L	0.00198	660.47%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-0.3	-0.0006	mg/L	0.00307	-0.0006	mg/L	0.00307	496.53%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-0.8	-0.0051	mg/L	0.00681	-0.0051	mg/L	0.00681	133.54%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	170.4	0.0316	mg/L	0.01102	0.0316	mg/L	0.01102	34.93%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-3.2	-0.0100	mg/L	0.00189	-0.0100	mg/L	0.00189	19.00%

```
Sr 421.552†             -434.3     -0.0004 mg/L       0.00003     -0.0004 mg/L       0.00003   8.20%
   QC value within limits for Sr 421.552  Recovery = Not calculated
Ti 334.940†             -427.0     -0.0015 mg/L       0.00009     -0.0015 mg/L       0.00009   6.08%
   QC value within limits for Ti 334.940  Recovery = Not calculated
Tl 190.801†               -0.9     -0.0010 mg/L       0.00196     -0.0010 mg/L       0.00196 198.20%
   QC value within limits for Tl 190.801  Recovery = Not calculated
V 290.880†               -46.2     -0.0011 mg/L       0.00121     -0.0011 mg/L       0.00121 105.68%
   QC value within limits for V 290.880  Recovery = Not calculated
Zn 206.200†              -11.3     -0.0044 mg/L       0.00015     -0.0044 mg/L       0.00015   3.34%
   QC value within limits for Zn 206.200  Recovery = Not calculated
P 213.617†                 0.7      0.0097 mg/L       0.02635      0.0097 mg/L       0.02635 272.71%
S 181.975†                 1.3      0.0591 mg/L       0.02597      0.0591 mg/L       0.02597  43.93%
Na 589.592†            -1365.1     -0.2606 mg/L       0.19017     -0.2606 mg/L       0.19017  72.98%
   QC value less than the lower limit for Na 589.592  Recovery = -52.12%
K 766.490†               222.3      0.1109 mg/L       0.00706      0.1109 mg/L       0.00706   6.36%
   QC value less than the lower limit for K 766.490  Recovery = 22.18%
Hg 253.652†              -12.9      0.0000 mg/L       0.00000      0.0000 mg/L       0.00000   0.00%
QC Failed.  Continue with analysis.
```

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 465874 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114016 File : met02_hg_062822 Time : 20-JUL-2022 12:58
Cal : 22290114001 Caldate : 20-JUL-2022
Standards: S16979, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[0.007900]	0.01000	mg/L	

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	432.9	mg/L	108	
Calcium	A	400.0	391.2	mg/L	98	
Iron	A	160.0	145.8	mg/L	91	
Magnesium	A	400.0	421.8	mg/L	105	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	437705	-7.48

==========

Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 12 **Autosampler Location: 109**
Sample ID: ICSA, S16979 **Date Collected: 7/20/2022 12:58:22 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICSA, S16979

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	86824.7	99.36	%	2.595				2.61%
Y Axial	437704.9	92.52	%	2.704				2.92%
Ag 328.068†	-2301.8	-0.0036	mg/L	0.00148	-0.0036	mg/L	0.00148	40.59%
Al 308.215†	3512187.5	432.9	mg/L	3.74	432.9	mg/L	3.74	0.86%
QC value within limits for Al 308.215 Recovery = 108.23%								
As 188.979†	0.3	0.0009	mg/L	0.01125	0.0009	mg/L	0.01125	>999.9%
B 249.677†	20.7	0.0044	mg/L	0.01339	0.0044	mg/L	0.01339	304.96%
Ba 233.527†	157.9	0.0055	mg/L	0.00020	0.0055	mg/L	0.00020	3.61%
Be 313.107†	-43.9	-0.0002	mg/L	0.00006	-0.0002	mg/L	0.00006	34.92%
Ca 315.887†	1294603.3	391.2	mg/L	15.57	391.2	mg/L	15.57	3.98%
QC value within limits for Ca 315.887 Recovery = 97.79%								
Cd 214.440†	61.9	0.0065	mg/L	0.00063	0.0065	mg/L	0.00063	9.79%
Co 228.616†	7.4	0.0013	mg/L	0.00006	0.0013	mg/L	0.00006	4.55%
Cr 267.716†	1.9	0.0001	mg/L	0.00019	0.0001	mg/L	0.00019	194.95%
Cu 324.752†	56.8	0.0010	mg/L	0.00025	0.0010	mg/L	0.00025	25.48%
Fe 238.204†	2441014.8	145.8	mg/L	1.38	145.8	mg/L	1.38	0.95%
QC value within limits for Fe 238.204 Recovery = 91.13%								
Li 670.784†	193.4	0.0019	mg/L	0.00101	0.0019	mg/L	0.00101	54.63%
Mg 279.077†	96078.3	421.8	mg/L	3.54	421.8	mg/L	3.54	0.84%
QC value within limits for Mg 279.077 Recovery = 105.44%								
Mn 257.610†	-427.9	-0.0016	mg/L	0.00027	-0.0016	mg/L	0.00027	16.29%
Mo 202.031†	3.6	0.0041	mg/L	0.00438	0.0041	mg/L	0.00438	108.06%
Ni 231.604†	-4.0	-0.0018	mg/L	0.00137	-0.0018	mg/L	0.00137	74.24%
Pb 220.353†	4.6	0.0079	mg/L	0.00594	0.0079	mg/L	0.00594	75.34%
Sb 206.836†	11.3	0.0236	mg/L	0.00953	0.0236	mg/L	0.00953	40.42%
Se 196.026†	-2.3	-0.0145	mg/L	0.00892	-0.0145	mg/L	0.00892	61.62%
Si 251.611†	16.3	0.0030	mg/L	0.00121	0.0030	mg/L	0.00121	40.47%
Sn 189.927†	3.0	0.0093	mg/L	0.00912	0.0093	mg/L	0.00912	98.54%
Sr 421.552†	25280.5	0.0221	mg/L	0.00081	0.0221	mg/L	0.00081	3.65%
Ti 334.940†	-45.7	-0.0002	mg/L	0.00057	-0.0002	mg/L	0.00057	367.33%
Tl 190.801†	-15.4	-0.0158	mg/L	0.01396	-0.0158	mg/L	0.01396	88.13%
V 290.880†	-481.6	-0.0119	mg/L	0.00016	-0.0119	mg/L	0.00016	1.31%
Zn 206.200†	-24.2	-0.0094	mg/L	0.00024	-0.0094	mg/L	0.00024	2.56%
P 213.617†	-6.4	-0.0903	mg/L	0.03183	-0.0903	mg/L	0.03183	35.26%
S 181.975†	-4.3	-0.1906	mg/L	0.06322	-0.1906	mg/L	0.06322	33.16%
Na 589.592†	6574.3	1.255	mg/L	0.1252	1.255	mg/L	0.1252	9.98%
K 766.490†	433.0	0.2160	mg/L	0.04609	0.2160	mg/L	0.04609	21.33%
Hg 253.652†	661.8	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

All analyte(s) passed QC.

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 465874 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114017 File : met02_hg_062822 Time : 20-JUL-2022 13:01
Cal : 22290114001 Caldate : 20-JUL-2022
Standards: S16601, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9605	mg/L	-4	20	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	430534	-9.00

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 13 **Autosampler Location: 110**
Sample ID: ICSAB, S16601 **Date Collected: 7/20/2022 1:01:25 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICSAB, S16601

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	87033.4	99.60	%	0.680				0.68%
Y Axial	430533.8	91.00	%	1.670				1.84%
Ag 328.068†	69977.0	1.124	mg/L	0.0545	1.124	mg/L	0.0545	4.85%
QC value within limits for Ag 328.068 Recovery = 112.42%								
Al 308.215†	3588251.4	442.3	mg/L	6.30	442.3	mg/L	6.30	1.42%
QC value within limits for Al 308.215 Recovery = 110.57%								
As 188.979†	0.2	0.0004	mg/L	0.00623	0.0004	mg/L	0.00623	>999.9%
B 249.677†	32.3	0.0069	mg/L	0.00607	0.0069	mg/L	0.00607	88.59%
Ba 233.527†	14593.6	0.5124	mg/L	0.02447	0.5124	mg/L	0.02447	4.78%
QC value within limits for Ba 233.527 Recovery = 102.47%								
Be 313.107†	135309.8	0.5522	mg/L	0.00953	0.5522	mg/L	0.00953	1.73%
QC value within limits for Be 313.107 Recovery = 110.45%								
Ca 315.887†	1297100.3	391.9	mg/L	13.93	391.9	mg/L	13.93	3.55%
QC value within limits for Ca 315.887 Recovery = 97.98%								
Cd 214.440†	9589.9	1.004	mg/L	0.0591	1.004	mg/L	0.0591	5.89%
QC value within limits for Cd 214.440 Recovery = 100.41%								
Co 228.616†	2755.7	0.4678	mg/L	0.00662	0.4678	mg/L	0.00662	1.42%
QC value within limits for Co 228.616 Recovery = 93.55%								
Cr 267.716†	9722.4	0.4996	mg/L	0.02707	0.4996	mg/L	0.02707	5.42%
QC value within limits for Cr 267.716 Recovery = 99.91%								
Cu 324.752†	29475.4	0.5192	mg/L	0.02516	0.5192	mg/L	0.02516	4.85%
QC value within limits for Cu 324.752 Recovery = 103.83%								
Fe 238.204†	2486571.7	148.5	mg/L	2.53	148.5	mg/L	2.53	1.71%
QC value within limits for Fe 238.204 Recovery = 92.83%								
Li 670.784†	152.9	0.0015	mg/L	0.00092	0.0015	mg/L	0.00092	63.00%
Mg 279.077†	97986.6	430.1	mg/L	0.96	430.1	mg/L	0.96	0.22%
QC value within limits for Mg 279.077 Recovery = 107.53%								
Mn 257.610†	129433.8	0.4928	mg/L	0.02565	0.4928	mg/L	0.02565	5.20%
QC value within limits for Mn 257.610 Recovery = 98.57%								
Mo 202.031†	-0.6	-0.0007	mg/L	0.00261	-0.0007	mg/L	0.00261	358.30%
Ni 231.604†	1928.8	0.8919	mg/L	0.01453	0.8919	mg/L	0.01453	1.63%
QC value within limits for Ni 231.604 Recovery = 89.19%								
Pb 220.353†	560.0	0.9605	mg/L	0.01963	0.9605	mg/L	0.01963	2.04%
QC value within limits for Pb 220.353 Recovery = 96.05%								
Sb 206.836†	11.4	0.0211	mg/L	0.00984	0.0211	mg/L	0.00984	46.66%
Se 196.026†	-5.8	-0.0367	mg/L	0.01871	-0.0367	mg/L	0.01871	50.98%
Si 251.611†	5.9	0.0011	mg/L	0.00262	0.0011	mg/L	0.00262	237.12%
Sn 189.927†	0.5	0.0014	mg/L	0.00623	0.0014	mg/L	0.00623	430.58%
Sr 421.552†	25995.2	0.0227	mg/L	0.00108	0.0227	mg/L	0.00108	4.74%
Ti 334.940†	-304.3	-0.0010	mg/L	0.00017	-0.0010	mg/L	0.00017	16.27%
Tl 190.801†	-18.4	-0.0190	mg/L	0.00494	-0.0190	mg/L	0.00494	26.05%
V 290.880†	20343.3	0.5023	mg/L	0.02938	0.5023	mg/L	0.02938	5.85%
QC value within limits for V 290.880 Recovery = 100.47%								
Zn 206.200†	2543.2	0.9895	mg/L	0.01579	0.9895	mg/L	0.01579	1.60%
QC value within limits for Zn 206.200 Recovery = 98.95%								
P 213.617†	-7.2	-0.1029	mg/L	0.02077	-0.1029	mg/L	0.02077	20.18%
S 181.975†	-2.9	-0.1293	mg/L	0.03120	-0.1293	mg/L	0.03120	24.13%
Na 589.592†	3537.1	0.6752	mg/L	0.39576	0.6752	mg/L	0.39576	58.61%
K 766.490†	218.8	0.1091	mg/L	0.02180	0.1091	mg/L	0.02180	19.98%
Hg 253.652†	664.8	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

All analyte(s) passed QC.

ENTHALPY CONTINUING CALIBRATION FOR 465874 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114128 File : met02_hg_062822 Time : 20-JUL-2022 20:07
Cal : 22290114001 Caldate : 20-JUL-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	557.36	566.00	1.000	0.9708	mg/L	-3	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	420344	-11.15

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 172 **Autosampler Location: 7**
Sample ID: CCV, S16870 **Date Collected: 7/20/2022 8:07:21 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: CCV, S16870

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	81035.2	92.73	%	1.672				1.80%
Y Axial	420344.0	88.85	%	2.681				3.02%
Ag 328.068†	34319.3	0.5355	mg/L	0.01506	0.5355	mg/L	0.01506	2.81%
QC value within limits for Ag 328.068 Recovery = 107.10%								
Al 308.215†	9121.5	1.124	mg/L	0.0390	1.124	mg/L	0.0390	3.47%
QC value greater than the upper limit for Al 308.215 Recovery = 112.43%								
As 188.979†	378.2	1.027	mg/L	0.0253	1.027	mg/L	0.0253	2.47%
QC value within limits for As 188.979 Recovery = 102.70%								
B 249.677†	5028.1	1.068	mg/L	0.0319	1.068	mg/L	0.0319	2.99%
QC value within limits for B 249.677 Recovery = 106.81%								
Ba 233.527†	28291.8	0.9933	mg/L	0.02956	0.9933	mg/L	0.02956	2.98%
QC value within limits for Ba 233.527 Recovery = 99.33%								
Be 313.107†	268498.8	1.096	mg/L	0.0255	1.096	mg/L	0.0255	2.32%
QC value within limits for Be 313.107 Recovery = 109.58%								
Ca 315.887†	324786.1	98.13	mg/L	3.164	98.13	mg/L	3.164	3.22%
QC value within limits for Ca 315.887 Recovery = 97.16%								
Cd 214.440†	10000.9	1.047	mg/L	0.0329	1.047	mg/L	0.0329	3.14%
QC value within limits for Cd 214.440 Recovery = 104.72%								
Co 228.616†	5892.4	0.9986	mg/L	0.03688	0.9986	mg/L	0.03688	3.69%
QC value within limits for Co 228.616 Recovery = 99.86%								
Cr 267.716†	19773.8	1.016	mg/L	0.0348	1.016	mg/L	0.0348	3.43%
QC value within limits for Cr 267.716 Recovery = 101.60%								
Cu 324.752†	59733.4	1.052	mg/L	0.0344	1.052	mg/L	0.0344	3.27%
QC value within limits for Cu 324.752 Recovery = 105.21%								
Fe 238.204†	19299.0	1.153	mg/L	0.0272	1.153	mg/L	0.0272	2.36%
QC value greater than the upper limit for Fe 238.204 Recovery = 115.28%								
Li 670.784†	116231.3	1.115	mg/L	0.0337	1.115	mg/L	0.0337	3.02%
QC value greater than the upper limit for Li 670.784 Recovery = 111.52%								
Mg 279.077†	21420.9	94.03	mg/L	0.534	94.03	mg/L	0.534	0.57%
QC value within limits for Mg 279.077 Recovery = 93.10%								
Mn 257.610†	256559.6	0.9769	mg/L	0.02234	0.9769	mg/L	0.02234	2.29%
QC value within limits for Mn 257.610 Recovery = 97.69%								
Mo 202.031†	872.1	0.9783	mg/L	0.04027	0.9783	mg/L	0.04027	4.12%
QC value within limits for Mo 202.031 Recovery = 97.83%								
Ni 231.604†	2291.6	1.060	mg/L	0.0381	1.060	mg/L	0.0381	3.60%
QC value within limits for Ni 231.604 Recovery = 105.96%								
Pb 220.353†	566.0	0.9708	mg/L	0.03307	0.9708	mg/L	0.03307	3.41%
QC value within limits for Pb 220.353 Recovery = 97.08%								
Sb 206.836†	515.4	1.071	mg/L	0.0429	1.071	mg/L	0.0429	4.01%
QC value within limits for Sb 206.836 Recovery = 107.11%								
Se 196.026†	170.4	1.080	mg/L	0.0235	1.080	mg/L	0.0235	2.18%
QC value within limits for Se 196.026 Recovery = 108.02%								
Si 251.611†	32850.4	6.074	mg/L	0.1599	6.074	mg/L	0.1599	2.63%
QC value greater than the upper limit for Si 251.611 Recovery = 121.49%								
Sn 189.927†	1552.1	4.773	mg/L	0.1730	4.773	mg/L	0.1730	3.62%
QC value within limits for Sn 189.927 Recovery = 95.47%								
Sr 421.552†	1819079.1	1.589	mg/L	0.0718	1.589	mg/L	0.0718	4.52%
QC value greater than the upper limit for Sr 421.552 Recovery = 158.90%								
Ti 334.940†	269154.6	0.9167	mg/L	0.02107	0.9167	mg/L	0.02107	2.30%
QC value within limits for Ti 334.940 Recovery = 91.67%								
Tl 190.801†	992.9	1.030	mg/L	0.0393	1.030	mg/L	0.0393	3.82%
QC value within limits for Tl 190.801 Recovery = 102.96%								
V 290.880†	41244.9	1.018	mg/L	0.0311	1.018	mg/L	0.0311	3.06%
QC value within limits for V 290.880 Recovery = 101.85%								
Zn 206.200†	2766.1	1.076	mg/L	0.0386	1.076	mg/L	0.0386	3.59%
QC value within limits for Zn 206.200 Recovery = 107.60%								
P 213.617†	409.7	5.820	mg/L	0.1706	5.820	mg/L	0.1706	2.93%
S 181.975†	-0.7	-0.0301	mg/L	0.08324	-0.0301	mg/L	0.08324	276.35%

Na 589.592†	560858.2	107.1 mg/L	3.25	107.1 mg/L	3.25	3.04%
QC value within limits for Na 589.592 Recovery = 106.01%						
K 766.490†	224122.1	111.8 mg/L	3.26	111.8 mg/L	3.26	2.92%
QC value within limits for K 766.490 Recovery = 101.65%						
Hg 253.652†	203.3	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	0.00%

QC Failed. Continue with analysis.

ENTHALPY INSTRUMENT BLANK FOR 465874 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114129 File : met02_hg_062822 Time : 20-JUL-2022 20:11
Cal : 22290114001 Caldate : 20-JUL-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	485587	2.64

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 173 **Autosampler Location: 8**
Sample ID: CCB **Date Collected: 7/20/2022 8:11:26 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	89218.0	102.1	%	1.49				1.46%
Y Axial	485587.1	102.6	%	4.10				3.99%
Ag 328.068†	60.2	0.0009	mg/L	0.00066	0.0009	mg/L	0.00066	70.63%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-85.5	-0.0105	mg/L	0.00305	-0.0105	mg/L	0.00305	28.90%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-1.2	-0.0032	mg/L	0.00206	-0.0032	mg/L	0.00206	64.01%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-30.6	-0.0065	mg/L	0.00280	-0.0065	mg/L	0.00280	43.03%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 233.527†	2.8	0.0001	mg/L	0.00006	0.0001	mg/L	0.00006	62.34%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	39.3	0.0002	mg/L	0.00007	0.0002	mg/L	0.00007	45.20%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	-7.5	-0.0023	mg/L	0.00407	-0.0023	mg/L	0.00407	179.48%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440†	2.9	0.0003	mg/L	0.00017	0.0003	mg/L	0.00017	54.66%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	-2.5	-0.0004	mg/L	0.00016	-0.0004	mg/L	0.00016	38.32%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	2.9	0.0001	mg/L	0.00023	0.0001	mg/L	0.00023	154.17%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-231.7	-0.0041	mg/L	0.00040	-0.0041	mg/L	0.00040	9.82%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 238.204†	-340.0	-0.0203	mg/L	0.00350	-0.0203	mg/L	0.00350	17.23%
QC value within limits for Fe 238.204 Recovery = Not calculated								
Li 670.784†	-491.8	-0.0047	mg/L	0.00045	-0.0047	mg/L	0.00045	9.54%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.077†	3.8	0.0168	mg/L	0.00404	0.0168	mg/L	0.00404	23.99%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-319.9	-0.0012	mg/L	0.00002	-0.0012	mg/L	0.00002	1.55%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	5.1	0.0057	mg/L	0.00258	0.0057	mg/L	0.00258	44.87%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	0.0	0.0000	mg/L	0.00102	0.0000	mg/L	0.00102	>999.9%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	0.3	0.0006	mg/L	0.00287	0.0006	mg/L	0.00287	500.38%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-0.5	-0.0011	mg/L	0.00086	-0.0011	mg/L	0.00086	75.78%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	0.4	0.0028	mg/L	0.00781	0.0028	mg/L	0.00781	279.86%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	159.8	0.0295	mg/L	0.00170	0.0295	mg/L	0.00170	5.77%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-2.8	-0.0085	mg/L	0.00171	-0.0085	mg/L	0.00171	20.18%
Sr 421.552†	-158.4	-0.0001	mg/L	0.00003	-0.0001	mg/L	0.00003	22.61%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	-405.1	-0.0014	mg/L	0.00007	-0.0014	mg/L	0.00007	5.00%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-1.0	-0.0011	mg/L	0.00031	-0.0011	mg/L	0.00031	29.68%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-82.0	-0.0020	mg/L	0.00045	-0.0020	mg/L	0.00045	22.37%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	-9.9	-0.0039	mg/L	0.00030	-0.0039	mg/L	0.00030	7.72%
QC value within limits for Zn 206.200 Recovery = Not calculated								
P 213.617†	0.5	0.0076	mg/L	0.00832	0.0076	mg/L	0.00832	109.32%
S 181.975†	-0.6	-0.0258	mg/L	0.03145	-0.0258	mg/L	0.03145	121.98%
Na 589.592†	-6985.5	-1.334	mg/L	0.0328	-1.334	mg/L	0.0328	2.46%

QC value less than the lower limit for Na 589.592 Recovery = Not calculated

K 766.490†	779.1	0.3887 mg/L	0.02423	0.3887 mg/L	0.02423	6.23%

QC value greater than the upper limit for K 766.490 Recovery = Not calculated

Hg 253.652†	-15.3	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	0.00%

QC Failed. Continue with analysis.

ENTHALPY CONTINUING CALIBRATION FOR 465874 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114140 File : met02_hg_062822 Time : 20-JUL-2022 20:54
Cal : 22290114001 Caldate : 20-JUL-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	557.36	545.60	1.000	0.9358	mg/L	-6	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	350545	-25.91

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 148 **Autosampler Location: 7**
Sample ID: CCV, S16870 **Date Collected: 7/20/2022 8:54:37 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: CCV, S16870

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y Radial	68870.8	78.81 %	1.641			2.08%
Y Axial	350545.0	74.09 %	2.165			2.92%
Ag 328.068†	33944.2	0.5297 mg/L	0.01985	0.5297 mg/L	0.01985	3.75%
QC value within limits for Ag 328.068 Recovery = 105.93%						
Al 308.215†	8850.3	1.091 mg/L	0.0262	1.091 mg/L	0.0262	2.40%
QC value within limits for Al 308.215 Recovery = 109.09%						
As 188.979†	353.4	0.9597 mg/L	0.02020	0.9597 mg/L	0.02020	2.10%
QC value within limits for As 188.979 Recovery = 95.97%						
B 249.677†	4884.7	1.038 mg/L	0.0218	1.038 mg/L	0.0218	2.10%
QC value within limits for B 249.677 Recovery = 103.77%						
Ba 233.527†	27208.1	0.9553 mg/L	0.02365	0.9553 mg/L	0.02365	2.48%
QC value within limits for Ba 233.527 Recovery = 95.53%						
Be 313.107†	263534.8	1.076 mg/L	0.0272	1.076 mg/L	0.0272	2.53%
QC value within limits for Be 313.107 Recovery = 107.56%						
Ca 315.887†	314100.1	94.91 mg/L	0.550	94.91 mg/L	0.550	0.58%
QC value within limits for Ca 315.887 Recovery = 93.97%						
Cd 214.440†	9290.5	0.9728 mg/L	0.03411	0.9728 mg/L	0.03411	3.51%
QC value within limits for Cd 214.440 Recovery = 97.28%						
Co 228.616†	5706.5	0.9671 mg/L	0.02707	0.9671 mg/L	0.02707	2.80%
QC value within limits for Co 228.616 Recovery = 96.71%						
Cr 267.716†	19013.5	0.9769 mg/L	0.02012	0.9769 mg/L	0.02012	2.06%
QC value within limits for Cr 267.716 Recovery = 97.69%						
Cu 324.752†	59306.9	1.045 mg/L	0.0275	1.045 mg/L	0.0275	2.64%
QC value within limits for Cu 324.752 Recovery = 104.46%						
Fe 238.204†	18858.8	1.127 mg/L	0.0818	1.127 mg/L	0.0818	7.26%
QC value greater than the upper limit for Fe 238.204 Recovery = 112.65%						
Li 670.784†	114562.5	1.099 mg/L	0.0034	1.099 mg/L	0.0034	0.31%
QC value within limits for Li 670.784 Recovery = 109.92%						
Mg 279.077†	20535.2	90.14 mg/L	0.557	90.14 mg/L	0.557	0.62%
QC value less than the lower limit for Mg 279.077 Recovery = 89.25%						
Mn 257.610†	256781.7	0.9777 mg/L	0.02486	0.9777 mg/L	0.02486	2.54%
QC value within limits for Mn 257.610 Recovery = 97.77%						
Mo 202.031†	849.6	0.9531 mg/L	0.01443	0.9531 mg/L	0.01443	1.51%
QC value within limits for Mo 202.031 Recovery = 95.31%						
Ni 231.604†	2206.2	1.020 mg/L	0.0179	1.020 mg/L	0.0179	1.75%
QC value within limits for Ni 231.604 Recovery = 102.01%						
Pb 220.353†	545.6	0.9358 mg/L	0.02067	0.9358 mg/L	0.02067	2.21%
QC value within limits for Pb 220.353 Recovery = 93.58%						
Sb 206.836†	503.8	1.047 mg/L	0.0218	1.047 mg/L	0.0218	2.08%
QC value within limits for Sb 206.836 Recovery = 104.71%						
Se 196.026†	161.5	1.024 mg/L	0.0289	1.024 mg/L	0.0289	2.82%
QC value within limits for Se 196.026 Recovery = 102.42%						
Si 251.611†	31553.1	5.834 mg/L	0.1966	5.834 mg/L	0.1966	3.37%
QC value greater than the upper limit for Si 251.611 Recovery = 116.69%						
Sn 189.927†	1469.3	4.519 mg/L	0.0777	4.519 mg/L	0.0777	1.72%
QC value within limits for Sn 189.927 Recovery = 90.38%						
Sr 421.552†	1768260.6	1.545 mg/L	0.0428	1.545 mg/L	0.0428	2.77%
QC value greater than the upper limit for Sr 421.552 Recovery = 154.46%						
Ti 334.940†	267777.4	0.9120 mg/L	0.02233	0.9120 mg/L	0.02233	2.45%
QC value within limits for Ti 334.940 Recovery = 91.20%						
Tl 190.801†	964.0	0.9998 mg/L	0.01367	0.9998 mg/L	0.01367	1.37%
QC value within limits for Tl 190.801 Recovery = 99.98%						
V 290.880†	40069.5	0.9894 mg/L	0.02820	0.9894 mg/L	0.02820	2.85%
QC value within limits for V 290.880 Recovery = 98.94%						
Zn 206.200†	2590.7	1.008 mg/L	0.0172	1.008 mg/L	0.0172	1.70%
QC value within limits for Zn 206.200 Recovery = 100.78%						
P 213.617†	386.3	5.488 mg/L	0.0947	5.488 mg/L	0.0947	1.73%
S 181.975†	-2.9	-0.1291 mg/L	0.00185	-0.1291 mg/L	0.00185	1.44%

Na 589.592†	554827.5	105.9 mg/L	0.39	105.9 mg/L	0.39	0.37%
QC value within limits for Na 589.592 Recovery = 104.87%						
K 766.490†	221473.4	110.5 mg/L	0.34	110.5 mg/L	0.34	0.31%
QC value within limits for K 766.490 Recovery = 100.45%						
Hg 253.652†	243.4	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	0.00%

QC Failed. Continue with analysis.

ENTHALPY INSTRUMENT BLANK FOR 465874 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114141 File : met02_hg_062822 Time : 20-JUL-2022 20:58
Cal : 22290114001 Caldate : 20-JUL-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	419309	-11.37

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 149 **Autosampler Location: 8**
Sample ID: CCB **Date Collected: 7/20/2022 8:58:36 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	71273.0	81.56	%	3.151				3.86%
Y Axial	419309.2	88.63	%	2.118				2.39%
Ag 328.068†	65.2	0.0010	mg/L	0.00069	0.0010	mg/L	0.00069	68.46%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-135.3	-0.0167	mg/L	0.00450	-0.0167	mg/L	0.00450	27.01%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-1.6	-0.0043	mg/L	0.00400	-0.0043	mg/L	0.00400	91.95%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-48.1	-0.0102	mg/L	0.00040	-0.0102	mg/L	0.00040	3.88%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 233.527†	2.2	0.0001	mg/L	0.00006	0.0001	mg/L	0.00006	80.62%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	27.9	0.0001	mg/L	0.00016	0.0001	mg/L	0.00016	143.59%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	-34.9	-0.0105	mg/L	0.00289	-0.0105	mg/L	0.00289	27.48%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440†	3.2	0.0003	mg/L	0.00020	0.0003	mg/L	0.00020	59.98%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	-1.9	-0.0003	mg/L	0.00037	-0.0003	mg/L	0.00037	112.96%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-1.0	-0.0001	mg/L	0.00038	-0.0001	mg/L	0.00038	706.77%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-222.9	-0.0039	mg/L	0.00013	-0.0039	mg/L	0.00013	3.39%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 238.204†	-412.7	-0.0247	mg/L	0.00065	-0.0247	mg/L	0.00065	2.64%
QC value within limits for Fe 238.204 Recovery = Not calculated								
Li 670.784†	-410.5	-0.0039	mg/L	0.00085	-0.0039	mg/L	0.00085	21.64%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.077†	0.9	0.0042	mg/L	0.01219	0.0042	mg/L	0.01219	292.85%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-343.0	-0.0013	mg/L	0.00003	-0.0013	mg/L	0.00003	2.46%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	2.6	0.0029	mg/L	0.00219	0.0029	mg/L	0.00219	75.26%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	1.4	0.0006	mg/L	0.00069	0.0006	mg/L	0.00069	109.38%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	0.2	0.0003	mg/L	0.00117	0.0003	mg/L	0.00117	400.27%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-0.1	-0.0003	mg/L	0.00131	-0.0003	mg/L	0.00131	444.60%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	1.1	0.0072	mg/L	0.00263	0.0072	mg/L	0.00263	36.32%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	128.5	0.0238	mg/L	0.00178	0.0238	mg/L	0.00178	7.51%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-3.0	-0.0092	mg/L	0.00542	-0.0092	mg/L	0.00542	58.93%
Sr 421.552†	-274.8	-0.0002	mg/L	0.00007	-0.0002	mg/L	0.00007	28.33%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	-398.8	-0.0014	mg/L	0.00016	-0.0014	mg/L	0.00016	11.44%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	3.0	0.0031	mg/L	0.00231	0.0031	mg/L	0.00231	73.86%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-96.4	-0.0024	mg/L	0.00007	-0.0024	mg/L	0.00007	3.13%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	-10.6	-0.0041	mg/L	0.00021	-0.0041	mg/L	0.00021	5.09%
QC value within limits for Zn 206.200 Recovery = Not calculated								
P 213.617†	0.7	0.0099	mg/L	0.00354	0.0099	mg/L	0.00354	35.78%
S 181.975†	-0.6	-0.0271	mg/L	0.02160	-0.0271	mg/L	0.02160	79.83%
Na 589.592†	-7471.6	-1.426	mg/L	0.0520	-1.426	mg/L	0.0520	3.65%

QC value less than the lower limit for Na 589.592 Recovery = Not calculated

K 766.490†	930.4	0.4642 mg/L	0.02567	0.4642 mg/L	0.02567	5.53%

QC value greater than the upper limit for K 766.490 Recovery = Not calculated

Hg 253.652†	29.1	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	0.00%

QC Failed. Continue with analysis.

Enthalpy Sequence Summary for Sequence 22291457

Instrument : MET02 Begun : 07/21/22 09:37
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met02_hg_062822	ICALBLK				07/21/22 09:37	1.0	1	
002	met02_hg_062822	ICAL	ICAL1			07/21/22 09:41	1.0	2 1	
003	met02_hg_062822	ICAL	ICAL2			07/21/22 09:45	1.0	3 1	
004	met02_hg_062822	ICAL	ICAL3			07/21/22 09:49	1.0	4 1	
005	met02_hg_062822	ICAL	ICAL4			07/21/22 09:53	1.0	5 1	
006	met02_hg_062822	ICAL	ICAL5			07/21/22 09:56	1.0	6 1	
007	met02_hg_062822	ICAL	ICAL6			07/21/22 09:59	1.0	7 1	
008	met02_hg_062822	ICAL	ICAL7			07/21/22 10:02	1.0	8 1	
009	met02_hg_062822	ICAL	ICAL8			07/21/22 10:05	1.0	9 1	
010	met02_hg_062822	XICV				07/21/22 10:08	1.0	10 1	
011	met02_hg_062822	XICV				07/21/22 10:14	1.0	10 1	
012	met02_hg_062822	XICV				07/21/22 10:18	1.0	10 1	
013	met02_hg_062822	ICV				07/21/22 10:23	1.0	10 1	
014	met02_hg_062822	ICB				07/21/22 10:35	1.0	1	
015	met02_hg_062822	XICSA				07/21/22 10:41	1.0	11 1	
016	met02_hg_062822	XICSAB				07/21/22 10:45	1.0	12 1	
017	met02_hg_062822	XCRI				07/21/22 10:48	1.0	13 1	
018	met02_hg_062822	XBLANK	QC1001449	Wipe	293293	07/21/22 10:52	1.0	1	
019	met02_hg_062822	XBS	QC1001450	Wipe	293293	07/21/22 10:56	1.0	1	
020	met02_hg_062822	ICSA				07/21/22 11:07	1.0	11 1	5:MGASMGCO3=1500
021	met02_hg_062822	ICSAB				07/21/22 11:10	1.0	12 1	5:MGASMGCO3=1400
022	met02_hg_062822	CRI				07/21/22 11:13	1.0	13 1	
023	met02_hg_062822	BLANK	QC1001449	Wipe	293293	07/21/22 11:17	1.0	1	
024	met02_hg_062822	BS	QC1001450	Wipe	293293	07/21/22 11:21	1.0	1	
025	met02_hg_062822	BSD	QC1001451	Wipe	293293	07/21/22 11:25	1.0	1	
026	met02_hg_062822	SAMPLE	465889-011	Wipe	293293	07/21/22 11:29	1.0	1	
027	met02_hg_062822	SAMPLE	465889-013	Wipe	293293	07/21/22 11:33	1.0	1	
028	met02_hg_062822	SAMPLE	465889-016	Wipe	293293	07/21/22 11:37	1.0	1	
029	met02_hg_062822	SAMPLE	465889-018	Wipe	293293	07/21/22 11:41	1.0	1	
030	met02_hg_062822	BLANK	QC1001213	Water	293210	07/21/22 11:45	1.0	1	
031	met02_hg_062822	LCS	QC1001214	Water	293210	07/21/22 11:49	1.0	1	
032	met02_hg_062822	SAMPLE	465616-001	Water	293210	07/21/22 11:53	1.0	1	1:SULFUR=360
033	met02_hg_062822	XCCV				07/21/22 11:57	1.0	10 1	
034	met02_hg_062822	CCV				07/21/22 12:03	1.0	10 1	
035	met02_hg_062822	CCB				07/21/22 12:07	1.0	1	
036	met02_hg_062822	SAMPLE	465665-001	Water	293210	07/21/22 12:11	1.0	1	2:NA=2800
037	met02_hg_062822	SAMPLE	465740-001	Water	293210	07/21/22 12:15	1.0	1	1:SI=29
038	met02_hg_062822	MSS	465797-001	Water	293210	07/21/22 12:19	1.0	1	1:SULFUR=230
039	met02_hg_062822	MS	QC1001215	Water	293210	07/21/22 12:23	1.0	1	1:SULFUR=220
040	met02_hg_062822	MSD	QC1001216	Water	293210	07/21/22 12:27	1.0	1	1:SULFUR=220
041	met02_hg_062822	SAMPLE	465806-001	Water	293210	07/21/22 12:31	1.0	1	2:NA=1100
042	met02_hg_062822	BLANK	QC1001364	Soil	293252	07/21/22 12:35	1.0	1	
043	met02_hg_062822	LCS	QC1001365	Soil	293252	07/21/22 12:39	1.0	1	
044	met02_hg_062822	SAMPLE	465502-005	Soil	293252	07/21/22 12:43	1.0	1	1:FE=180
045	met02_hg_062822	CCV				07/21/22 13:47	1.0	10 1	
046	met02_hg_062822	CCB				07/21/22 13:52	1.0	1	
047	met02_hg_062822	MSS	465682-004	Soil	293252	07/21/22 14:12	1.0	1	3:ALASAL2O3=360

SBW 07/21/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 046.

Enthalpy Sequence Summary for Sequence 22291457

Instrument : MET02 Begun : 07/21/22 09:37
Method : EPA 6010B

Standards used: 1=S13369 2=S16951 3=S16949 4=S16948 5=S16947 6=S16645 7=S16518 8=S16959 9=S16519 10=S16870 11=S16979 12=S16601 13=S16646

ENTHALPY BLANK USER REPORT FOR 465874 METALS Wipe
EPA 6010B

Inst : MET02 Lab ID : QC1001449
Seqnum : 22291457023.2 Matrix : Wipe
File : met02_hg_062822 Batch : 293293 Time : 21-JUL-2022 11:17
Cal : 22291457001 Caldate : 21-JUL-2022
IDF : 1.0 Raw Units : mg/L Units : ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Flags
Lead	A	-0.004000	ND	1.0	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	386737	387292	0.14

u=use

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 6 **Autosampler Location: 413**
Sample ID: BLANK,QC1001449,293293 **Date Collected: 7/21/2022 11:17:35 AM**
Analyst: sbw **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: BLANK,QC1001449,293293

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y Radial	70177.6	103.1	%	2.16				2.09%
Y Axial	387291.9	100.1	%	1.27				1.27%
Ag 328.068†	-53.0	-0.0008	mg/L	0.00079	-0.0008	mg/L	0.00079	93.38%
Al 308.215†	111.0	0.0146	mg/L	0.00446	0.0146	mg/L	0.00446	30.43%
As 188.979†	-3.2	-0.0091	mg/L	0.00443	-0.0091	mg/L	0.00443	48.65%
B 249.677†	12.6	0.0027	mg/L	0.00113	0.0027	mg/L	0.00113	41.31%
Ba 233.527†	-3.1	-0.0001	mg/L	0.00004	-0.0001	mg/L	0.00004	33.95%
Be 313.107†	-74.0	-0.0003	mg/L	0.00003	-0.0003	mg/L	0.00003	11.09%
Ca 315.887†	31.4	0.0120	mg/L	0.00126	0.0120	mg/L	0.00126	10.48%
Cd 214.440†	0.7	0.0001	mg/L	0.00019	0.0001	mg/L	0.00019	217.84%
Co 228.616†	-1.8	-0.0003	mg/L	0.00010	-0.0003	mg/L	0.00010	31.96%
Cr 267.716†	1.4	0.0001	mg/L	0.00018	0.0001	mg/L	0.00018	253.40%
Cu 324.752†	67.6	0.0013	mg/L	0.00029	0.0013	mg/L	0.00029	22.21%
Fe 238.204†	1134.9	0.0743	mg/L	0.01179	0.0743	mg/L	0.01179	15.87%
Li 670.784†	-149.3	-0.0015	mg/L	0.00035	-0.0015	mg/L	0.00035	23.18%
Mg 279.077†	7.5	0.0409	mg/L	0.00243	0.0409	mg/L	0.00243	5.95%
Mn 257.610†	14.8	0.0001	mg/L	0.00007	0.0001	mg/L	0.00007	121.43%
Mo 202.031†	-59.1	-0.0698	mg/L	0.00125	-0.0698	mg/L	0.00125	1.79%
Ni 231.604†	1.6	0.0008	mg/L	0.00076	0.0008	mg/L	0.00076	90.79%
Pb 220.353†	-2.2	-0.0040	mg/L	0.00223	-0.0040	mg/L	0.00223	55.49%
Sb 206.836†	-15.7	-0.0347	mg/L	0.00654	-0.0347	mg/L	0.00654	18.85%
Se 196.026†	-0.6	-0.0042	mg/L	0.00542	-0.0042	mg/L	0.00542	128.82%
Si 251.611†	24.8	0.0058	mg/L	0.00227	0.0058	mg/L	0.00227	39.44%
Sn 189.927†	-6.3	-0.0217	mg/L	0.00103	-0.0217	mg/L	0.00103	4.77%
Sr 421.552†	-70.6	-0.0001	mg/L	0.00007	-0.0001	mg/L	0.00007	89.23%
Ti 334.940†	-1675.6	-0.0057	mg/L	0.00016	-0.0057	mg/L	0.00016	2.85%
Tl 190.801†	-4.8	-0.0052	mg/L	0.00298	-0.0052	mg/L	0.00298	57.05%
V 290.880†	-67.7	-0.0017	mg/L	0.00039	-0.0017	mg/L	0.00039	23.30%
Zn 206.200†	-0.2	-0.0001	mg/L	0.00047	-0.0001	mg/L	0.00047	674.55%
P 213.617†	0.1	0.0018	mg/L	0.02019	0.0018	mg/L	0.02019	>999.9%
S 181.975†	1.5	0.0726	mg/L	0.08553	0.0726	mg/L	0.08553	117.81%
Na 589.592†	-1991.2	-0.4543	mg/L	0.07377	-0.4543	mg/L	0.07377	16.24%
K 766.490†	-490.6	-0.2857	mg/L	0.03797	-0.2857	mg/L	0.03797	13.29%
Hg 253.652†	-2.1	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

ENTHALPY SPIKE USER REPORT FOR 465874 METALS Wipe
EPA 6010B

Type : BS
Inst : MET02
Seqnum : 22291457024.1
File : met02_hg_062822
IDF : 1.0
Lab ID : QC1001450
Matrix : Wipe
Batch : 293293
Time : 21-JUL-2022 11:21
Cal : 22291457001
Units : ug/ft2

Type : BSD
Inst : MET02
Seqnum : 22291457025.1
File : met02_hg_062822
IDF : 1.0
Lab ID : QC1001451
Matrix : Wipe
Batch : 293293
Time : 21-JUL-2022 11:25
Cal : 22291457001

BS: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF
BSD: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Lead	100.0	0.9978	99.78	A	100	1.003	100.3	A	100	80-120	1	20	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	386737	376286	-2.70

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	386737	365244	-5.56

u=use

Method Loaded
Method Name: MET02_Hg_062822 Method Last Saved: 6/28/2022 8:51:40 AM
IEC File: 061820_HR_IEC.iec MSF File: 06-18-20.msf
Method Description: High resolution with IEC

Sequence No.: 7 Autosampler Location: 414
Sample ID: BS,QC1001450,293293 Date Collected: 7/21/2022 11:21:34 AM
Analyst: sbw Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:
Wash Time: 20 Auto Dilution Factor: 1

Mean Data: BS,QC1001450,293293

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y Radial	66664.5	97.92	%	0.799				0.82%
Y Axial	376286.0	97.30	%	0.308				0.32%
Ag 328.068†	31406.7	0.5095	mg/L	0.01199	0.5095	mg/L	0.01199	2.35%
Al 308.215†	7385.0	0.9738	mg/L	0.03203	0.9738	mg/L	0.03203	3.29%
As 188.979†	321.5	0.9201	mg/L	0.04631	0.9201	mg/L	0.04631	5.03%
B 249.677†	3995.5	0.8657	mg/L	0.02229	0.8657	mg/L	0.02229	2.57%
Ba 233.527†	27662.5	1.008	mg/L	0.0452	1.008	mg/L	0.0452	4.48%
Be 313.107†	241424.2	0.9997	mg/L	0.03336	0.9997	mg/L	0.03336	3.34%
Ca 315.887†	3023.4	1.157	mg/L	0.0064	1.157	mg/L	0.0064	0.56%
Cd 214.440†	8586.4	0.9991	mg/L	0.03795	0.9991	mg/L	0.03795	3.80%
Co 228.616†	5773.0	1.030	mg/L	0.0423	1.030	mg/L	0.0423	4.11%
Cr 267.716†	18567.7	0.9906	mg/L	0.04682	0.9906	mg/L	0.04682	4.73%
Cu 324.752†	51717.5	1.001	mg/L	0.0307	1.001	mg/L	0.0307	3.06%
Fe 238.204†	16626.7	1.088	mg/L	0.0407	1.088	mg/L	0.0407	3.74%
Li 670.784†	104298.1	1.044	mg/L	0.0106	1.044	mg/L	0.0106	1.02%
Mg 279.077†	194.3	1.062	mg/L	0.0135	1.062	mg/L	0.0135	1.27%
Mn 257.610†	253490.8	1.011	mg/L	0.0334	1.011	mg/L	0.0334	3.31%
Mo 202.031†	804.9	0.9507	mg/L	0.05664	0.9507	mg/L	0.05664	5.96%
Ni 231.604†	1984.1	1.014	mg/L	0.0555	1.014	mg/L	0.0555	5.47%
Pb 220.353†	547.7	0.9978	mg/L	0.04693	0.9978	mg/L	0.04693	4.70%
Sb 206.836†	437.4	0.9621	mg/L	0.05753	0.9621	mg/L	0.05753	5.98%
Se 196.026†	133.7	0.8797	mg/L	0.02944	0.8797	mg/L	0.02944	3.35%
Si 251.611†	20900.8	4.167	mg/L	0.1515	4.167	mg/L	0.1515	3.63%
Sn 189.927†	-5.0	-0.0172	mg/L	0.00366	-0.0172	mg/L	0.00366	21.22%
Sr 421.552†	1055433.1	1.225	mg/L	0.0762	1.225	mg/L	0.0762	6.22%
Ti 334.940†	285425.4	0.9756	mg/L	0.03364	0.9756	mg/L	0.03364	3.45%
Tl 190.801†	883.6	0.9673	mg/L	0.05227	0.9673	mg/L	0.05227	5.40%
V 290.880†	39938.0	0.9955	mg/L	0.04407	0.9955	mg/L	0.04407	4.43%
Zn 206.200†	2295.2	1.016	mg/L	0.0538	1.016	mg/L	0.0538	5.29%
P 213.617†	3.0	0.0438	mg/L	0.01754	0.0438	mg/L	0.01754	40.05%
S 181.975†	4.5	0.2249	mg/L	0.01170	0.2249	mg/L	0.01170	5.20%
Na 589.592†	1722.0	0.3929	mg/L	0.02680	0.3929	mg/L	0.02680	6.82%
K 766.490†	14502.9	8.446	mg/L	0.0881	8.446	mg/L	0.0881	1.04%
Hg 253.652†	19.4	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 8 **Autosampler Location: 415**
Sample ID: BSD,QC1001451,293293 **Date Collected: 7/21/2022 11:25:34 AM**
Analyst: sbw **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: BSD,QC1001451,293293

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y Radial	67062.9	98.51	%	4.875				4.95%
Y Axial	365244.0	94.44	%	1.757				1.86%
Ag 328.068†	32249.8	0.5232	mg/L	0.01320	0.5232	mg/L	0.01320	2.52%
Al 308.215†	7509.1	0.9901	mg/L	0.04524	0.9901	mg/L	0.04524	4.57%
As 188.979†	325.6	0.9318	mg/L	0.06006	0.9318	mg/L	0.06006	6.45%
B 249.677†	4072.7	0.8824	mg/L	0.03622	0.8824	mg/L	0.03622	4.10%
Ba 233.527†	28403.5	1.035	mg/L	0.0389	1.035	mg/L	0.0389	3.76%
Be 313.107†	240013.4	0.9938	mg/L	0.03272	0.9938	mg/L	0.03272	3.29%
Ca 315.887†	2995.1	1.146	mg/L	0.0701	1.146	mg/L	0.0701	6.11%
Cd 214.440†	8753.8	1.019	mg/L	0.0397	1.019	mg/L	0.0397	3.90%
Co 228.616†	5884.6	1.050	mg/L	0.0351	1.050	mg/L	0.0351	3.34%
Cr 267.716†	18950.1	1.011	mg/L	0.0421	1.011	mg/L	0.0421	4.16%
Cu 324.752†	51604.3	0.9991	mg/L	0.03385	0.9991	mg/L	0.03385	3.39%
Fe 238.204†	16793.1	1.099	mg/L	0.0446	1.099	mg/L	0.0446	4.05%
Li 670.784†	104237.1	1.043	mg/L	0.0089	1.043	mg/L	0.0089	0.85%
Mg 279.077†	195.0	1.066	mg/L	0.0789	1.066	mg/L	0.0789	7.41%
Mn 257.610†	250838.3	1.000	mg/L	0.0330	1.000	mg/L	0.0330	3.30%
Mo 202.031†	836.2	0.9876	mg/L	0.04996	0.9876	mg/L	0.04996	5.06%
Ni 231.604†	2010.5	1.028	mg/L	0.0571	1.028	mg/L	0.0571	5.55%
Pb 220.353†	550.4	1.003	mg/L	0.0479	1.003	mg/L	0.0479	4.78%
Sb 206.836†	442.3	0.9728	mg/L	0.05198	0.9728	mg/L	0.05198	5.34%
Se 196.026†	134.2	0.8827	mg/L	0.05177	0.8827	mg/L	0.05177	5.86%
Si 251.611†	18363.9	3.660	mg/L	0.1598	3.660	mg/L	0.1598	4.37%
Sn 189.927†	-6.5	-0.0221	mg/L	0.00194	-0.0221	mg/L	0.00194	8.77%
Sr 421.552†	1149646.5	1.335	mg/L	0.0578	1.335	mg/L	0.0578	4.33%
Ti 334.940†	284576.6	0.9727	mg/L	0.03189	0.9727	mg/L	0.03189	3.28%
Tl 190.801†	918.3	1.005	mg/L	0.0513	1.005	mg/L	0.0513	5.10%
V 290.880†	40767.7	1.016	mg/L	0.0429	1.016	mg/L	0.0429	4.22%
Zn 206.200†	2328.3	1.031	mg/L	0.0557	1.031	mg/L	0.0557	5.40%
P 213.617†	3.0	0.0443	mg/L	0.01819	0.0443	mg/L	0.01819	41.08%
S 181.975†	3.4	0.1716	mg/L	0.09169	0.1716	mg/L	0.09169	53.43%
Na 589.592†	1216.5	0.2775	mg/L	0.07111	0.2775	mg/L	0.07111	25.62%
K 766.490†	14381.4	8.375	mg/L	0.0841	8.375	mg/L	0.0841	1.00%
Hg 253.652†	19.4	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

ENTHALPY INITIAL CALIBRATION FOR 465874 METALS Wipe: EPA 6010B

Instrument:	MET02		
Calibration #:	22291457001	Date:	21-JUL-2022 09:37
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met02_hg_062822	22291457002	ICAL1	21-JUL-2022 09:41	S16951, S13369 (100X)
L2	met02_hg_062822	22291457003	ICAL2	21-JUL-2022 09:45	S16949, S13369 (100X)
L3	met02_hg_062822	22291457004	ICAL3	21-JUL-2022 09:49	S16948, S13369 (100X)
L4	met02_hg_062822	22291457005	ICAL4	21-JUL-2022 09:53	S16947, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	270.00	518.00	543.50	548.96	LORG	0.00000	0.00182		470.12	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
LORG: Linear regression forced through origin

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0100	**-51**	0.1000	-6	1.0000	-1	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 465874 METALS Wipe
EPA 6010B

Inst : MET02
Calnum : 22291457001 Cal Date : 21-JUL-2022

ICV 22291457013 (21-JUL-2022) stds: S16870, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	0.9817	mg/L	-2	

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Analysis Begun

Start Time: 7/21/2022 9:37:03 AM **Plasma On Time: 7/21/2022 8:05:47 AM**
Logged In Analyst: AAICP-ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 077C7020701 **Autosampler: ESI**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\07-21-22.sif
Batch ID: 07-21-22
Results Data Set: 07-21-22a
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

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Sequence No.: 1 **Autosampler Location: 1**
Sample ID: ICALBLK **Date Collected: 7/21/2022 9:37:11 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:

Mean Data: ICALBLK

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	68080.1	3486.56	5.12%	100.0	%
Y Axial	386737.1	1770.55	0.46%	100.0	%
Ag 328.068†	170.2	84.98	49.94%	[0.00]	mg/L
Al 308.215†	185.9	43.97	23.66%	[0.00]	mg/L
As 188.979†	1.9	1.35	71.51%	[0.00]	mg/L
B 249.677†	111.5	2.73	2.45%	[0.00]	mg/L
Ba 233.527†	-3.5	4.08	116.10%	[0.00]	mg/L
Be 313.107†	143.9	17.12	11.90%	[0.00]	mg/L
Ca 315.887†	97.5	7.34	7.53%	[0.00]	mg/L
Cd 214.440†	6.9	0.74	10.79%	[0.00]	mg/L
Co 228.616†	-13.6	1.06	7.83%	[0.00]	mg/L
Cr 267.716†	13.2	7.56	57.21%	[0.00]	mg/L
Cu 324.752†	493.7	17.06	3.45%	[0.00]	mg/L
Fe 238.204†	546.1	51.93	9.51%	[0.00]	mg/L
Li 670.784†	1006.5	121.03	12.02%	[0.00]	mg/L
Mg 279.077†	-0.6	1.06	181.12%	[0.00]	mg/L
Mn 257.610†	31.3	10.98	35.11%	[0.00]	mg/L
Mo 202.031†	61.6	15.77	25.59%	[0.00]	mg/L
Ni 231.604†	-4.0	1.42	35.26%	[0.00]	mg/L
Pb 220.353†	2.5	0.94	38.00%	[0.00]	mg/L
Sb 206.836†	24.2	2.85	11.78%	[0.00]	mg/L
Se 196.026†	1.7	0.39	22.07%	[0.00]	mg/L
Si 251.611†	90.4	10.15	11.23%	[0.00]	mg/L
Sn 189.927†	15.3	0.12	0.80%	[0.00]	mg/L
Sr 421.552†	577.9	48.25	8.35%	[0.00]	mg/L
Ti 334.940†	2229.8	284.74	12.77%	[0.00]	mg/L
Tl 190.801†	-1.8	4.20	228.55%	[0.00]	mg/L
V 290.880†	184.9	16.52	8.94%	[0.00]	mg/L
Zn 206.200†	21.5	2.45	11.41%	[0.00]	mg/L
P 213.617†	-1.4	0.54	38.38%	[0.00]	mg/L
S 181.975†	-0.4	1.17	328.22%	[0.00]	mg/L
Na 589.592†	9456.1	167.14	1.77%	[0.00]	mg/L
K 766.490†	1654.5	76.05	4.60%	[0.00]	mg/L
Hg 253.652†	269.6	14.72	5.46%	[0.00]	mg/L

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 2 **Autosampler Location: 2**
Sample ID: ICAL, ICAL1, S16951 **Date Collected: 7/21/2022 9:41:13 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL1, S16951

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	68377.5	2428.99	3.55%	100.4	%
Y Axial	374399.1	7941.90	2.12%	96.81	%
Al 308.215†	163.9	107.52	65.58%	[0.02]	mg/L
As 188.979†	0.7	0.75	102.74%	[0.01]	mg/L
B 249.677†	43.9	4.52	10.28%	[0.01]	mg/L
Ba 233.527†	267.5	14.64	5.47%	[0.01]	mg/L
Be 313.107†	1171.5	102.66	8.76%	[0.005]	mg/L
Ca 315.887†	274.3	13.79	5.03%	[0.1]	mg/L
Cd 214.440†	41.7	1.98	4.76%	[0.005]	mg/L
Co 228.616†	28.3	4.72	16.69%	[0.005]	mg/L
Cr 267.716†	177.0	8.77	4.96%	[0.01]	mg/L
Cu 324.752†	489.0	69.46	14.21%	[0.01]	mg/L
Fe 238.204†	292.3	32.97	11.28%	[0.02]	mg/L
Li 670.784†	1043.8	33.07	3.17%	[0.01]	mg/L
Mg 279.077†	22.9	2.57	11.24%	[0.1]	mg/L
Mn 257.610†	2662.1	181.06	6.80%	[0.01]	mg/L
Mo 202.031†	-40.0	1.32	3.29%	[0.01]	mg/L
Standard intensity and concentration values are not in the same order.					
Ni 231.604†	19.1	0.68	3.54%	[0.01]	mg/L
Pb 220.353†	2.7	0.76	27.78%	[0.01]	mg/L
Sb 206.836†	6.4	0.65	10.17%	[0.03]	mg/L
Se 196.026†	3.3	1.18	35.47%	[0.03]	mg/L
Si 251.611†	497.2	27.10	5.45%	[0.1]	mg/L
Sn 189.927†	-1.3	1.30	97.75%	[0.01]	mg/L
Standard intensity and concentration values are not in the same order.					
Sr 421.552†	45596.3	1587.09	3.48%	[0.05]	mg/L
Ti 334.940†	1537.1	131.51	8.56%	[0.01]	mg/L
Tl 190.801†	24.7	3.92	15.83%	[0.03]	mg/L
V 290.880†	185.2	38.86	20.98%	[0.005]	mg/L
Zn 206.200†	73.7	5.56	7.55%	[0.03]	mg/L
P 213.617†	78.5	3.47	4.42%	[1]	mg/L
S 181.975†	23.2	0.16	0.68%	[1]	mg/L
Na 589.592†	1193.3	196.91	16.50%	[0.5]	mg/L
K 766.490†	504.1	9.42	1.87%	[0.5]	mg/L
Hg 253.652†	2.3	8.09	353.65%	[0]	mg/L

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 3 **Autosampler Location: 3**
Sample ID: ICAL, ICAL2, S16949 **Date Collected: 7/21/2022 9:45:12 AM**
Analyst: **Data Type: Reprocessed on 7/21/2022 12:20:08 PM**
Logged In Analyst (Original) : AAICP-ICP2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:

Mean Data: ICAL, ICAL2, S16949

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	71181.2	2051.61	2.88%	104.6	%
Y Axial	387097.4	14333.67	3.70%	100.1	%
Al 308.215†	1508.2	67.79	4.50%	[0.2]	mg/L
As 188.979†	32.4	1.67	5.14%	[0.1]	mg/L
B 249.677†	407.5	4.52	1.11%	[0.1]	mg/L
Ba 233.527†	2738.3	91.60	3.35%	[0.1]	mg/L
Be 313.107†	12444.1	453.30	3.64%	[0.05]	mg/L
Cd 214.440†	430.3	4.24	0.99%	[0.05]	mg/L
Co 228.616†	275.9	2.67	0.97%	[0.05]	mg/L
Cr 267.716†	1861.0	19.07	1.02%	[0.1]	mg/L
Cu 324.752†	4644.3	199.46	4.29%	[0.1]	mg/L
Fe 238.204†	2830.6	125.48	4.43%	[0.2]	mg/L
Li 670.784†	8680.9	28.07	0.32%	[0.1]	mg/L
Mn 257.610†	25059.3	1044.04	4.17%	[0.1]	mg/L
Mo 202.031†	16.1	3.38	20.96%	[0.1]	mg/L
Standard intensity and concentration values are not in the same order.					
Ni 231.604†	193.3	3.61	1.87%	[0.1]	mg/L
Pb 220.353†	51.8	1.05	2.03%	[0.1]	mg/L
Sb 206.836†	114.6	1.91	1.67%	[0.3]	mg/L
Se 196.026†	45.9	1.33	2.89%	[0.3]	mg/L
Sn 189.927†	16.8	1.00	5.98%	[0.1]	mg/L
Standard intensity and concentration values are not in the same order.					
Sr 421.552†	447976.3	10350.26	2.31%	[0.5]	mg/L
Ti 334.940†	26645.2	1100.56	4.13%	[0.1]	mg/L
Tl 190.801†	259.9	5.18	1.99%	[0.3]	mg/L
V 290.880†	1916.5	91.56	4.78%	[0.05]	mg/L
Zn 206.200†	662.7	4.83	0.73%	[0.3]	mg/L
Hg 253.652†	-10.1	8.51	84.03%	[0]	mg/L
Standard intensity and concentration values are not in the same order.					

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 4 **Autosampler Location: 4**
Sample ID: ICAL, ICAL3, S16948 **Date Collected: 7/21/2022 9:49:10 AM**
Analyst: **Data Type: Reprocessed on 7/21/2022 12:20:08 PM**
Logged In Analyst (Original) : AAICP-ICP2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:

Mean Data: ICAL, ICAL3, S16948

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	68538.4	516.60	0.75%	100.7	%
Y Axial	389896.8	14511.22	3.72%	100.8	%
Al 308.215†	14242.0	583.79	4.10%	[2]	mg/L
As 188.979†	329.9	21.66	6.57%	[1]	mg/L
B 249.677†	4256.2	147.65	3.47%	[1]	mg/L
Ba 233.527†	26515.2	1078.36	4.07%	[1]	mg/L
Be 313.107†	120716.0	7285.38	6.04%	[0.5]	mg/L
Cd 214.440†	4245.3	157.11	3.70%	[0.5]	mg/L
Co 228.616†	2717.5	102.53	3.77%	[0.5]	mg/L
Cr 267.716†	17938.5	776.94	4.33%	[1]	mg/L
Cu 324.752†	48624.5	3079.76	6.33%	[1]	mg/L
Fe 238.204†	29888.1	1183.18	3.96%	[2]	mg/L
Li 670.784†	95853.9	1207.51	1.26%	[1]	mg/L
Mn 257.610†	241234.4	14433.08	5.98%	[1]	mg/L
Mo 202.031†	683.2	54.18	7.93%	[1]	mg/L
Standard intensity and concentration values are not in the same order.					
Ni 231.604†	1952.3	115.58	5.92%	[1]	mg/L
Pb 220.353†	543.5	31.93	5.88%	[1]	mg/L
Sb 206.836†	1166.3	87.31	7.49%	[3]	mg/L
Se 196.026†	455.9	24.32	5.33%	[3]	mg/L
Sn 189.927†	274.5	17.18	6.26%	[1]	mg/L
Standard intensity and concentration values are not in the same order.					
Sr 421.552†	4304694.9	311285.39	7.23%	[5]	mg/L
Ti 334.940†	275255.7	16936.92	6.15%	[1]	mg/L
Tl 190.801†	2749.8	165.74	6.03%	[3]	mg/L
V 290.880†	18929.6	854.53	4.51%	[0.5]	mg/L
Zn 206.200†	6721.2	263.65	3.92%	[3]	mg/L
Hg 253.652†	6.3	1.46	23.17%	[0]	mg/L
Standard intensity and concentration values are not in the same order.					

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 5 **Autosampler Location: 5**
Sample ID: ICAL, ICAL4, S16947 **Date Collected: 7/21/2022 9:53:13 AM**
Analyst: **Data Type: Reprocessed on 7/21/2022 12:20:09 PM**
Logged In Analyst (Original) : AAICP-ICP2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:

Mean Data: ICAL, ICAL4, S16947

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	68430.1	3183.15	4.65%	100.5	%
Y Axial	368092.7	8145.53	2.21%	95.18	%
Al 308.215†	151773.1	2243.89	1.48%	[20]	mg/L
As 188.979†	3494.5	108.79	3.11%	[10]	mg/L
B 249.677†	46188.8	603.98	1.31%	[10]	mg/L
Ba 233.527†	274442.9	3969.21	1.45%	[10]	mg/L
Cd 214.440†	42976.1	614.93	1.43%	[5]	mg/L
Co 228.616†	27996.9	341.08	1.22%	[5]	mg/L
Cr 267.716†	187516.4	2164.03	1.15%	[10]	mg/L
Cu 324.752†	516805.3	6417.87	1.24%	[10]	mg/L
Fe 238.204†	305730.2	3655.24	1.20%	[20]	mg/L
Li 670.784†	999504.6	37850.28	3.79%	[10]	mg/L
Mn 257.610†	2508480.3	32569.87	1.30%	[10]	mg/L
Mo 202.031†	8483.6	213.98	2.52%	[10]	mg/L
Standard intensity and concentration values are not in the same order.					
Ni 231.604†	19558.4	430.20	2.20%	[10]	mg/L
Pb 220.353†	5489.6	161.75	2.95%	[10]	mg/L
Sb 206.836†	13579.6	319.76	2.35%	[30]	mg/L
Sn 189.927†	2923.4	95.29	3.26%	[10]	mg/L
Standard intensity and concentration values are not in the same order.					
Ti 334.940†	2927299.7	50354.86	1.72%	[10]	mg/L
Tl 190.801†	27650.8	709.31	2.57%	[30]	mg/L
V 290.880†	200714.5	2852.66	1.42%	[5]	mg/L
Zn 206.200†	67720.4	805.85	1.19%	[30]	mg/L
Hg 253.652†	68.1	15.74	23.12%	[0]	mg/L
Standard intensity and concentration values are not in the same order.					

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

==========

Sequence No.: 6 **Autosampler Location: 9**
Sample ID: ICAL, ICAL5, S16645 **Date Collected: 7/21/2022 9:56:16 AM**
Analyst: **Data Type: Reprocessed on 7/21/2022 12:20:10 PM**
Logged In Analyst (Original) : AAICP-ICP2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:

Mean Data: ICAL, ICAL5, S16645

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	68602.7	1172.19	1.71%	100.8	%
Y Axial	382940.8	12086.72	3.16%	99.02	%
Ag 328.068†	123346.7	1760.38	1.43%	[2]	mg/L
Hg 253.652†	-0.8	6.02	796.77%	[0]	mg/L

Standard intensity and concentration values are not in the same order.

==========

Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

==========

Sequence No.: 7 **Autosampler Location: 10**
Sample ID: ICAL, ICAL6, S16518 **Date Collected: 7/21/2022 9:59:08 AM**
Analyst: **Data Type: Reprocessed on 7/21/2022 12:20:10 PM**
Logged In Analyst (Original) : AAICP-ICP2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:

Mean Data: ICAL, ICAL6, S16518

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	66741.0	922.56	1.38%	98.03	%
Y Axial	370133.4	5887.53	1.59%	95.71	%
Ca 315.887†	27489.6	519.95	1.89%	[10]	mg/L
Mg 279.077†	1885.8	31.60	1.68%	[10]	mg/L
Si 251.611†	50022.4	126.43	0.25%	[10]	mg/L
Na 589.592†	205127.2	4239.27	2.07%	[50]	mg/L
K 766.490†	77816.5	1708.90	2.20%	[50]	mg/L
Hg 253.652†	28.1	3.79	13.48%	[0]	mg/L

Standard intensity and concentration values are not in the same order.

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 8 **Autosampler Location: 101**
Sample ID: ICAL, ICAL7, S16959 **Date Collected: 7/21/2022 10:02:05 AM**
Analyst: **Data Type: Reprocessed on 7/21/2022 12:20:10 PM**
Logged In Analyst (Original) : AAICP-ICP2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:

Mean Data: ICAL, ICAL7, S16959

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	69047.1	940.88	1.36%	101.4	%
Y Axial	386317.3	4670.44	1.21%	99.89	%
P 213.617†	681.8	29.84	4.38%	[10]	mg/L
S 181.975†	200.4	8.48	4.23%	[10]	mg/L
Hg 253.652†	-3.2	2.76	86.49%	[0]	mg/L

Standard intensity and concentration values are not in the same order.

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

==========

Sequence No.: 9 **Autosampler Location: 102**
Sample ID: ICAL, ICAL8, S16519 **Date Collected: 7/21/2022 10:05:58 AM**
Analyst: **Data Type: Reprocessed on 7/21/2022 12:20:11 PM**
Logged In Analyst (Original) : AAICP-ICP2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:

Mean Data: ICAL, ICAL8, S16519

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	62431.6	635.16	1.02%	91.70	%
Y Axial	336197.4	7935.70	2.36%	86.93	%
Ca 315.887†	522624.9	2829.72	0.54%	[200]	mg/L
Mg 279.077†	36594.7	981.26	2.68%	[200]	mg/L
Na 589.592†	880144.8	5864.64	0.67%	[200]	mg/L
K 766.490†	345441.9	2473.93	0.72%	[200]	mg/L
Hg 253.652†	309.5	4.80	1.55%	[0]	mg/L

Standard intensity and concentration values are not in the same order.

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	1	Lin Thru 0	0.0	61670	0.00000	1.000000	
Al 308.215	4	Lin Thru 0	0.0	7584	0.00000	0.999981	
As 188.979	4	Lin Thru 0	0.0	349.3	0.00000	0.999984	
B 249.677	4	Lin Thru 0	0.0	4615	0.00000	0.999969	
Ba 233.527	4	Lin Thru 0	0.0	27440	0.00000	0.999994	
Be 313.107	3	Lin Thru 0	0.0	241500	0.00000	0.999995	
Ca 315.887	3	Lin Thru 0	0.0	2613	0.00000	0.999997	
Cd 214.440	4	Lin Thru 0	0.0	8594	0.00000	0.999999	
Co 228.616	4	Lin Thru 0	0.0	5598	0.00000	0.999996	
Cr 267.716	4	Lin Thru 0	0.0	18740	0.00000	0.999991	
Cu 324.752	4	Lin Thru 0	0.0	51650	0.00000	0.999982	
Fe 238.204	4	Lin Thru 0	0.0	15280	0.00000	0.999997	
Li 670.784	4	Lin Thru 0	0.0	99910	0.00000	0.999991	
Mg 279.077	3	Lin Thru 0	0.0	183.0	0.00000	0.999999	
Mn 257.610	4	Lin Thru 0	0.0	250800	0.00000	0.999993	
Mo 202.031	4	Lin Thru 0	0.0	846.7	0.00000	0.999765	
Ni 231.604	4	Lin Thru 0	0.0	1956	0.00000	1.000000	
Pb 220.353	4	Lin Thru 0	0.0	548.9	0.00000	0.999999	
Sb 206.836	4	Lin Thru 0	0.0	452.0	0.00000	0.999901	
Se 196.026	3	Lin Thru 0	0.0	152.0	0.00000	0.999996	
Si 251.611	2	Lin Thru 0	0.0	5002	0.00000	1.000000	
Sn 189.927	4	Lin Thru 0	0.0	292.2	0.00000	0.999972	
Sr 421.552	3	Lin Thru 0	0.0	861300	0.00000	0.999992	
Ti 334.940	4	Lin Thru 0	0.0	292600	0.00000	0.999982	
Tl 190.801	4	Lin Thru 0	0.0	921.6	0.00000	1.000000	
V 290.880	4	Lin Thru 0	0.0	40120	0.00000	0.999984	
Zn 206.200	4	Lin Thru 0	0.0	2257	0.00000	1.000000	
P 213.617	2	Lin Thru 0	0.0	68.29	0.00000	0.999888	
S 181.975	2	Lin Thru 0	0.0	20.08	0.00000	0.999882	
Na 589.592	3	Lin Thru 0	0.0	4383	0.00000	0.999871	
K 766.490	3	Lin Thru 0	0.0	1717	0.00000	0.999725	
Hg 253.652	8	Lin Thru 0	0.0	0.0000	0.00000	0.000000	

==========

Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC
Analysis canceled by a QC failure action: 'Stop'.

==========

Analysis Begun

Start Time: 7/21/2022 10:23:17 AM **Plasma On Time: 7/21/2022 8:05:47 AM**
Logged In Analyst: AAICP-ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 077C7020701 **Autosampler: ESI**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\07-21-22.sif
Batch ID: 07-21-22
Results Data Set: 07-21-22a
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

==========

Sequence No.: 10 **Autosampler Location: 7**
Sample ID: ICV, S16870 **Date Collected: 7/21/2022 10:23:18 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**
User canceled analysis.

==========

Analysis Begun

Start Time: 7/21/2022 10:23:38 AM **Plasma On Time: 7/21/2022 8:05:47 AM**
Logged In Analyst: AAICP-ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 077C7020701 **Autosampler: ESI**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\07-21-22.sif
Batch ID: 07-21-22
Results Data Set: 07-21-22a
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

==========

Sequence No.: 10 **Autosampler Location: 7**
Sample ID: ICV, S16870 **Date Collected: 7/21/2022 10:23:38 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICV, S16870

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y Radial	69442.3	102.0	%	2.06				2.02%
Y Axial	356230.3	92.11	%	1.456				1.58%
Ag 328.068†	31690.8	0.5141	mg/L	0.00924	0.5141	mg/L	0.00924	1.80%
QC value within limits for Ag 328.068 Recovery = 102.81%								
Al 308.215†	7875.5	1.038	mg/L	0.0246	1.038	mg/L	0.0246	2.37%
QC value within limits for Al 308.215 Recovery = 103.84%								
As 188.979†	350.2	1.002	mg/L	0.0452	1.002	mg/L	0.0452	4.51%
QC value within limits for As 188.979 Recovery = 100.25%								
B 249.677†	4618.0	1.001	mg/L	0.0334	1.001	mg/L	0.0334	3.34%
QC value within limits for B 249.677 Recovery = 100.06%								
Ba 233.527†	26576.1	0.9687	mg/L	0.02219	0.9687	mg/L	0.02219	2.29%
QC value within limits for Ba 233.527 Recovery = 96.87%								
Be 313.107†	251229.2	1.040	mg/L	0.0068	1.040	mg/L	0.0068	0.65%
QC value within limits for Be 313.107 Recovery = 104.03%								
Ca 315.887†	261770.8	100.2	mg/L	1.10	100.2	mg/L	1.10	1.10%
QC value within limits for Ca 315.887 Recovery = 99.17%								
Cd 214.440†	8371.9	0.9741	mg/L	0.01809	0.9741	mg/L	0.01809	1.86%
QC value within limits for Cd 214.440 Recovery = 97.41%								
Co 228.616†	5349.4	0.9539	mg/L	0.01616	0.9539	mg/L	0.01616	1.69%
QC value within limits for Co 228.616 Recovery = 95.39%								
Cr 267.716†	18424.6	0.9830	mg/L	0.01867	0.9830	mg/L	0.01867	1.90%
QC value within limits for Cr 267.716 Recovery = 98.30%								
Cu 324.752†	49737.3	0.9630	mg/L	0.01796	0.9630	mg/L	0.01796	1.87%
QC value within limits for Cu 324.752 Recovery = 96.30%								

Fe 238.204†	15488.6	1.013 mg/L	0.0184	1.013 mg/L	0.0184	1.81%
QC value within limits for Fe 238.204 Recovery = 101.35%						
Li 670.784†	97536.8	0.9763 mg/L	0.00786	0.9763 mg/L	0.00786	0.81%
QC value within limits for Li 670.784 Recovery = 97.63%						
Mg 279.077†	17906.1	97.85 mg/L	1.197	97.85 mg/L	1.197	1.22%
QC value within limits for Mg 279.077 Recovery = 96.89%						
Mn 257.610†	247440.0	0.9868 mg/L	0.02343	0.9868 mg/L	0.02343	2.37%
QC value within limits for Mn 257.610 Recovery = 98.68%						
Mo 202.031†	838.3	0.9901 mg/L	0.02933	0.9901 mg/L	0.02933	2.96%
QC value within limits for Mo 202.031 Recovery = 99.01%						
Ni 231.604†	1850.3	0.9460 mg/L	0.02624	0.9460 mg/L	0.02624	2.77%
QC value within limits for Ni 231.604 Recovery = 94.60%						
Pb 220.353†	538.9	0.9817 mg/L	0.03217	0.9817 mg/L	0.03217	3.28%
QC value within limits for Pb 220.353 Recovery = 98.17%						
Sb 206.836†	423.8	0.9320 mg/L	0.01975	0.9320 mg/L	0.01975	2.12%
QC value within limits for Sb 206.836 Recovery = 93.20%						
Se 196.026†	150.4	0.9895 mg/L	0.02129	0.9895 mg/L	0.02129	2.15%
QC value within limits for Se 196.026 Recovery = 98.95%						
Si 251.611†	28259.3	5.638 mg/L	0.1373	5.638 mg/L	0.1373	2.44%
QC value greater than the upper limit for Si 251.611 Recovery = 112.76%						
Sn 189.927†	1375.4	4.708 mg/L	0.1592	4.708 mg/L	0.1592	3.38%
QC value within limits for Sn 189.927 Recovery = 94.16%						
Sr 421.552†	907202.3	1.053 mg/L	0.0225	1.053 mg/L	0.0225	2.13%
QC value within limits for Sr 421.552 Recovery = 105.33%						
Ti 334.940†	286400.4	0.9790 mg/L	0.00817	0.9790 mg/L	0.00817	0.83%
QC value within limits for Ti 334.940 Recovery = 97.90%						
Tl 190.801†	879.3	0.9627 mg/L	0.02963	0.9627 mg/L	0.02963	3.08%
QC value within limits for Tl 190.801 Recovery = 96.27%						
V 290.880†	40621.9	1.013 mg/L	0.0250	1.013 mg/L	0.0250	2.47%
QC value within limits for V 290.880 Recovery = 101.25%						
Zn 206.200†	2234.1	0.9894 mg/L	0.02790	0.9894 mg/L	0.02790	2.82%
QC value within limits for Zn 206.200 Recovery = 98.94%						
P 213.617†	412.3	6.038 mg/L	0.1678	6.038 mg/L	0.1678	2.78%
S 181.975†	-1.1	-0.0569 mg/L	0.29241	-0.0569 mg/L	0.29241	513.59%
Na 589.592†	427577.9	97.55 mg/L	1.003	97.55 mg/L	1.003	1.03%
QC value within limits for Na 589.592 Recovery = 96.58%						
K 766.490†	184092.8	107.2 mg/L	1.02	107.2 mg/L	1.02	0.96%
QC value within limits for K 766.490 Recovery = 97.46%						
Hg 253.652†	174.5	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	0.00%

QC Failed. Stop the analysis.

ENTHALPY INSTRUMENT BLANK FOR 465874 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22291457014 File : met02_hg_062822 Time : 21-JUL-2022 10:35
Cal : 22291457001 Caldate : 21-JUL-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	386737	420300	8.68

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC
Analysis canceled by a QC failure action: 'Stop'.

==========

Analysis Begun

Start Time: 7/21/2022 10:35:12 AM **Plasma On Time: 7/21/2022 8:05:47 AM**
Logged In Analyst: AAICP-ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 077C7020701 **Autosampler: ESI**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\07-21-22.sif
Batch ID: 07-21-22
Results Data Set: 07-21-22a
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

==========

Sequence No.: 11 **Autosampler Location: 8**
Sample ID: ICB **Date Collected: 7/21/2022 10:35:13 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y Radial	77574.9	113.9	%	5.83				5.12%
Y Axial	420300.2	108.7	%	1.38				1.27%
Ag 328.068†	-23.4	-0.0004	mg/L	0.00041	-0.0004	mg/L	0.00041	105.82%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-42.7	-0.0056	mg/L	0.00498	-0.0056	mg/L	0.00498	88.44%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-2.2	-0.0063	mg/L	0.00400	-0.0063	mg/L	0.00400	63.82%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-9.6	-0.0021	mg/L	0.00048	-0.0021	mg/L	0.00048	22.98%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 233.527†	-12.2	-0.0004	mg/L	0.00003	-0.0004	mg/L	0.00003	7.11%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-93.5	-0.0004	mg/L	0.00006	-0.0004	mg/L	0.00006	16.69%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	-48.7	-0.0186	mg/L	0.00111	-0.0186	mg/L	0.00111	5.95%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440†	-4.4	-0.0005	mg/L	0.00021	-0.0005	mg/L	0.00021	41.35%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	-1.1	-0.0002	mg/L	0.00003	-0.0002	mg/L	0.00003	16.52%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-6.9	-0.0004	mg/L	0.00039	-0.0004	mg/L	0.00039	105.12%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-423.2	-0.0082	mg/L	0.00014	-0.0082	mg/L	0.00014	1.71%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 238.204†	-496.6	-0.0325	mg/L	0.00034	-0.0325	mg/L	0.00034	1.03%
QC value within limits for Fe 238.204 Recovery = Not calculated								
Li 670.784†	-693.3	-0.0069	mg/L	0.00027	-0.0069	mg/L	0.00027	3.91%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.077†	3.5	0.0190	mg/L	0.01344	0.0190	mg/L	0.01344	70.68%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-353.5	-0.0014	mg/L	0.00002	-0.0014	mg/L	0.00002	1.12%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-50.1	-0.0592	mg/L	0.00217	-0.0592	mg/L	0.00217	3.66%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	-0.5	-0.0002	mg/L	0.00121	-0.0002	mg/L	0.00121	509.22%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-4.0	-0.0072	mg/L	0.00270	-0.0072	mg/L	0.00270	37.49%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-16.9	-0.0374	mg/L	0.00577	-0.0374	mg/L	0.00577	15.43%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-0.9	-0.0058	mg/L	0.00628	-0.0058	mg/L	0.00628	107.71%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	206.4	0.0420	mg/L	0.02739	0.0420	mg/L	0.02739	65.29%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-14.1	-0.0482	mg/L	0.00407	-0.0482	mg/L	0.00407	8.44%

Sr 421.552†	-360.2	-0.0004 mg/L	0.00005	-0.0004 mg/L	0.00005	11.85%	
QC value within limits for Sr 421.552 Recovery = Not calculated							
Ti 334.940†	-2173.2	-0.0074 mg/L	0.00020	-0.0074 mg/L	0.00020	2.69%	
QC value within limits for Ti 334.940 Recovery = Not calculated							
Tl 190.801†	-6.3	-0.0069 mg/L	0.00332	-0.0069 mg/L	0.00332	48.49%	
QC value within limits for Tl 190.801 Recovery = Not calculated							
V 290.880†	-64.5	-0.0016 mg/L	0.00047	-0.0016 mg/L	0.00047	29.07%	
QC value within limits for V 290.880 Recovery = Not calculated							
Zn 206.200†	-24.9	-0.0110 mg/L	0.00104	-0.0110 mg/L	0.00104	9.44%	
QC value within limits for Zn 206.200 Recovery = Not calculated							
P 213.617†	0.1	0.0019 mg/L	0.00875	0.0019 mg/L	0.00875	454.51%	
S 181.975†	0.4	0.0214 mg/L	0.03954	0.0214 mg/L	0.03954	185.00%	
Na 589.592†	-2685.4	-0.6127 mg/L	0.05967	-0.6127 mg/L	0.05967	9.74%	
QC value less than the lower limit for Na 589.592 Recovery = -122.53%							
K 766.490†	-78.0	-0.0454 mg/L	0.05866	-0.0454 mg/L	0.05866	129.11%	
QC value less than the lower limit for K 766.490 Recovery = -9.09%							
Hg 253.652†	-27.0	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	0.00%	

QC Failed. Continue with analysis.

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 465874 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22291457020 File : met02_hg_062822 Time : 21-JUL-2022 11:07
Cal : 22291457001 Caldate : 21-JUL-2022
Standards: S16979, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.003600]	0.01000	mg/L	

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	418.4	mg/L	105	
Aluminum as Al2O3	A	755.8	790.5	mg/L	105	
Calcium	A	400.0	400.7	mg/L	100	
Calcium as CaCO3	A	998.9	1001	mg/L	100	
Iron	A	160.0	141.6	mg/L	89	
Iron as Fe2O3	A	228.8	202.5	mg/L	89	
Magnesium	A	400.0	418.4	mg/L	105	
Magnesium as MgCO3	A	1388	1451	mg/L	105	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	386737	323748	-16.29

==========

Analysis Begun

Start Time: 7/21/2022 11:06:58 AM **Plasma On Time: 7/21/2022 8:05:47 AM**
Logged In Analyst: AAICP-ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 077C7020701 **Autosampler: ESI**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\07-21-22.sif
Batch ID: 07-21-22
Results Data Set: 07-21-22a
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 1 **Autosampler Location: 7**
Sample ID: ICV, S16870 **Date Collected: 7/21/2022 11:07:06 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:
User canceled analysis.

==========

Analysis Begun

Start Time: 7/21/2022 11:07:30 AM **Plasma On Time: 7/21/2022 8:05:47 AM**
Logged In Analyst: AAICP-ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 077C7020701 **Autosampler: ESI**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\07-21-22.sif
Batch ID: 07-21-22
Results Data Set: 07-21-22a
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

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Sequence No.: 3 **Autosampler Location: 109**
Sample ID: ICSA, S16979 **Date Collected: 7/21/2022 11:07:30 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:

Mean Data: ICSA, S16979

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y Radial	65131.2	95.67	%	0.293				0.31%
Y Axial	323747.8	83.71	%	1.661				1.98%
Ag 328.068†	-2825.9	-0.0145	mg/L	0.00114	-0.0145	mg/L	0.00114	7.85%
Al 308.215†	3173135.9	418.4	mg/L	2.23	418.4	mg/L	2.23	0.53%
QC value within limits for Al 308.215 Recovery = 104.60%								
As 188.979†	0.5	0.0015	mg/L	0.00930	0.0015	mg/L	0.00930	619.12%
B 249.677†	78.5	0.0170	mg/L	0.00252	0.0170	mg/L	0.00252	14.79%
Ba 233.527†	138.7	0.0051	mg/L	0.00026	0.0051	mg/L	0.00026	5.07%
Be 313.107†	-82.3	-0.0003	mg/L	0.00006	-0.0003	mg/L	0.00006	18.21%
Ca 315.887†	1047108.0	400.7	mg/L	8.89	400.7	mg/L	8.89	2.22%
QC value within limits for Ca 315.887 Recovery = 100.16%								
Cd 214.440†	56.0	0.0065	mg/L	0.00057	0.0065	mg/L	0.00057	8.78%
Co 228.616†	6.9	0.0012	mg/L	0.00131	0.0012	mg/L	0.00131	105.28%
Cr 267.716†	21.9	0.0012	mg/L	0.00047	0.0012	mg/L	0.00047	40.42%
Cu 324.752†	-88.6	-0.0017	mg/L	0.00026	-0.0017	mg/L	0.00026	15.41%
Fe 238.204†	2163880.8	141.6	mg/L	1.18	141.6	mg/L	1.18	0.83%
QC value within limits for Fe 238.204 Recovery = 88.49%								
Li 670.784†	-30.7	-0.0003	mg/L	0.00026	-0.0003	mg/L	0.00026	84.85%
Mg 279.077†	76556.8	418.4	mg/L	5.41	418.4	mg/L	5.41	1.29%
QC value within limits for Mg 279.077 Recovery = 104.59%								
Mn 257.610†	-442.7	-0.0018	mg/L	0.00019	-0.0018	mg/L	0.00019	10.87%
Mo 202.031†	-48.3	-0.0571	mg/L	0.00335	-0.0571	mg/L	0.00335	5.87%
Ni 231.604†	-5.5	-0.0028	mg/L	0.00078	-0.0028	mg/L	0.00078	27.85%
Pb 220.353†	-2.0	-0.0036	mg/L	0.00252	-0.0036	mg/L	0.00252	70.39%
Sb 206.836†	-2.0	-0.0045	mg/L	0.01607	-0.0045	mg/L	0.01607	357.90%

Se 196.026†	-4.5	-0.0297 mg/L	0.01652	-0.0297 mg/L	0.01652	55.53%
Si 251.611†	-16.0	-0.0025 mg/L	0.00058	-0.0025 mg/L	0.00058	22.72%
Sn 189.927†	-12.3	-0.0421 mg/L	0.00398	-0.0421 mg/L	0.00398	9.45%
Sr 421.552†	18166.8	0.0211 mg/L	0.00032	0.0211 mg/L	0.00032	1.51%
Ti 334.940†	-1468.2	-0.0050 mg/L	0.00063	-0.0050 mg/L	0.00063	12.63%
Tl 190.801†	-19.8	-0.0215 mg/L	0.00236	-0.0215 mg/L	0.00236	10.98%
V 290.880†	-517.6	-0.0129 mg/L	0.00196	-0.0129 mg/L	0.00196	15.19%
Zn 206.200†	-42.4	-0.0188 mg/L	0.00121	-0.0188 mg/L	0.00121	6.44%
P 213.617†	-8.4	-0.1226 mg/L	0.02453	-0.1226 mg/L	0.02453	20.01%
S 181.975†	-1.8	-0.0919 mg/L	0.18102	-0.0919 mg/L	0.18102	197.01%
Na 589.592†	583.8	0.1332 mg/L	0.01627	0.1332 mg/L	0.01627	12.21%
K 766.490†	-325.7	-0.1897 mg/L	0.04225	-0.1897 mg/L	0.04225	22.28%
Hg 253.652†	591.9	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	0.00%

All analyte(s) passed QC.

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 465874 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22291457021 File : met02_hg_062822 Time : 21-JUL-2022 11:10
Cal : 22291457001 Caldate : 21-JUL-2022
Standards: S16601, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9174	mg/L	-8	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	386737	328802	-14.98

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 4 **Autosampler Location: 110**
Sample ID: ICSAB, S16601 **Date Collected: 7/21/2022 11:10:38 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICSAB, S16601

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	63244.4	92.90	%	2.642				2.84%
Y Axial	328802.1	85.02	%	0.635				0.75%
Ag 328.068†	64681.3	1.080	mg/L	0.0139	1.080	mg/L	0.0139	1.28%
QC value within limits for Ag 328.068 Recovery = 108.02%								
Al 308.215†	3185698.3	420.1	mg/L	2.96	420.1	mg/L	2.96	0.70%
QC value within limits for Al 308.215 Recovery = 105.01%								
As 188.979†	-5.6	-0.0162	mg/L	0.01980	-0.0162	mg/L	0.01980	122.00%
B 249.677†	99.4	0.0215	mg/L	0.01258	0.0215	mg/L	0.01258	58.43%
Ba 233.527†	13499.7	0.4921	mg/L	0.00574	0.4921	mg/L	0.00574	1.17%
QC value within limits for Ba 233.527 Recovery = 98.41%								
Be 313.107†	123705.6	0.5122	mg/L	0.00420	0.5122	mg/L	0.00420	0.82%
QC value within limits for Be 313.107 Recovery = 102.45%								
Ca 315.887†	1105545.6	423.0	mg/L	10.56	423.0	mg/L	10.56	2.50%
QC value within limits for Ca 315.887 Recovery = 105.75%								
Cd 214.440†	8096.6	0.9421	mg/L	0.01386	0.9421	mg/L	0.01386	1.47%
QC value within limits for Cd 214.440 Recovery = 94.21%								
Co 228.616†	2467.7	0.4409	mg/L	0.00683	0.4409	mg/L	0.00683	1.55%
QC value within limits for Co 228.616 Recovery = 88.17%								
Cr 267.716†	9001.6	0.4802	mg/L	0.00998	0.4802	mg/L	0.00998	2.08%
QC value within limits for Cr 267.716 Recovery = 96.05%								
Cu 324.752†	25599.1	0.4956	mg/L	0.00656	0.4956	mg/L	0.00656	1.32%
QC value within limits for Cu 324.752 Recovery = 99.13%								
Fe 238.204†	2172992.2	142.2	mg/L	1.37	142.2	mg/L	1.37	0.96%
QC value within limits for Fe 238.204 Recovery = 88.86%								
Li 670.784†	-112.0	-0.0011	mg/L	0.00053	-0.0011	mg/L	0.00053	47.18%
Mg 279.077†	75377.9	411.9	mg/L	6.12	411.9	mg/L	6.12	1.49%
QC value within limits for Mg 279.077 Recovery = 102.98%								
Mn 257.610†	118725.5	0.4735	mg/L	0.00657	0.4735	mg/L	0.00657	1.39%
QC value within limits for Mn 257.610 Recovery = 94.70%								
Mo 202.031†	-60.3	-0.0713	mg/L	0.00416	-0.0713	mg/L	0.00416	5.83%
Ni 231.604†	1682.3	0.8602	mg/L	0.01374	0.8602	mg/L	0.01374	1.60%
QC value within limits for Ni 231.604 Recovery = 86.02%								
Pb 220.353†	503.5	0.9174	mg/L	0.00957	0.9174	mg/L	0.00957	1.04%
QC value within limits for Pb 220.353 Recovery = 91.74%								
Sb 206.836†	-8.6	-0.0217	mg/L	0.00312	-0.0217	mg/L	0.00312	14.35%
Se 196.026†	-4.9	-0.0322	mg/L	0.01748	-0.0322	mg/L	0.01748	54.25%
Si 251.611†	-21.0	-0.0034	mg/L	0.00162	-0.0034	mg/L	0.00162	48.10%
Sn 189.927†	-15.1	-0.0516	mg/L	0.00500	-0.0516	mg/L	0.00500	9.68%
Sr 421.552†	17958.1	0.0209	mg/L	0.00021	0.0209	mg/L	0.00021	1.01%
Ti 334.940†	-2079.4	-0.0071	mg/L	0.00029	-0.0071	mg/L	0.00029	4.02%
Tl 190.801†	-24.3	-0.0265	mg/L	0.00309	-0.0265	mg/L	0.00309	11.69%
V 290.880†	19276.3	0.4805	mg/L	0.00609	0.4805	mg/L	0.00609	1.27%
QC value within limits for V 290.880 Recovery = 96.09%								
Zn 206.200†	2027.9	0.8983	mg/L	0.01595	0.8983	mg/L	0.01595	1.78%
QC value within limits for Zn 206.200 Recovery = 89.83%								
P 213.617†	-7.5	-0.1102	mg/L	0.03461	-0.1102	mg/L	0.03461	31.41%
S 181.975†	-2.6	-0.1282	mg/L	0.04108	-0.1282	mg/L	0.04108	32.05%
Na 589.592†	-553.3	-0.1262	mg/L	0.02318	-0.1262	mg/L	0.02318	18.36%
K 766.490†	-241.7	-0.1407	mg/L	0.02707	-0.1407	mg/L	0.02707	19.23%
Hg 253.652†	602.8	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

All analyte(s) passed QC.

ENTHALPY CONTINUING CALIBRATION FOR 465874 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22291457034 File : met02_hg_062822 Time : 21-JUL-2022 12:03
Cal : 22291457001 Caldate : 21-JUL-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	470.12	527.70	1.000	0.9615	mg/L	-4	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	386737	358415	-7.32

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 17 **Autosampler Location: 8**
Sample ID: CCB **Date Collected: 7/21/2022 12:01:45 PM**
Analyst: sbw **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**
User canceled analysis.

==========

Analysis Begun

Start Time: 7/21/2022 12:03:09 PM **Plasma On Time: 7/21/2022 8:05:47 AM**
Logged In Analyst: AAICP-ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 077C7020701 **Autosampler: ESI**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\07-21-22.sif
Batch ID: 07-21-22
Results Data Set: 07-21-22a
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

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Sequence No.: 16 **Autosampler Location: 7**
Sample ID: CCV, S16870 **Date Collected: 7/21/2022 12:03:09 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**
User canceled analysis.

==========

Analysis Begun

Start Time: 7/21/2022 12:03:35 PM **Plasma On Time: 7/21/2022 8:05:47 AM**
Logged In Analyst: AAICP-ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 077C7020701 **Autosampler: ESI**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\07-21-22.sif
Batch ID: 07-21-22
Results Data Set: 07-21-22a
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

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Sequence No.: 16 **Autosampler Location: 7**
Sample ID: CCV, S16870 **Date Collected: 7/21/2022 12:03:35 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: CCV, S16870

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	68045.0	99.95	%	2.149				2.15%
Y Axial	358415.3	92.68	%	1.030				1.11%
Ag 328.068†	30163.2	0.4893	mg/L	0.00213	0.4893	mg/L	0.00213	0.43%
QC value within limits for Ag 328.068 Recovery = 97.86%								
Al 308.215†	7542.4	0.9945	mg/L	0.00953	0.9945	mg/L	0.00953	0.96%
QC value within limits for Al 308.215 Recovery = 99.45%								
As 188.979†	342.3	0.9797	mg/L	0.00776	0.9797	mg/L	0.00776	0.79%
QC value within limits for As 188.979 Recovery = 97.97%								
B 249.677†	4351.7	0.9429	mg/L	0.00298	0.9429	mg/L	0.00298	0.32%
QC value within limits for B 249.677 Recovery = 94.29%								
Ba 233.527†	25236.4	0.9199	mg/L	0.00327	0.9199	mg/L	0.00327	0.36%
QC value within limits for Ba 233.527 Recovery = 91.99%								
Be 313.107†	243177.2	1.007	mg/L	0.0055	1.007	mg/L	0.0055	0.55%
QC value within limits for Be 313.107 Recovery = 100.69%								
Ca 315.887†	260218.8	99.57	mg/L	1.415	99.57	mg/L	1.415	1.42%
QC value within limits for Ca 315.887 Recovery = 98.58%								

Cd 214.440†	8099.7	0.9425 mg/L	0.00559	0.9425 mg/L	0.00559	0.59%
QC value within limits for Cd 214.440 Recovery = 94.25%						
Co 228.616†	5159.3	0.9200 mg/L	0.01037	0.9200 mg/L	0.01037	1.13%
QC value within limits for Co 228.616 Recovery = 92.00%						
Cr 267.716†	17436.3	0.9303 mg/L	0.00343	0.9303 mg/L	0.00343	0.37%
QC value within limits for Cr 267.716 Recovery = 93.03%						
Cu 324.752†	47949.9	0.9284 mg/L	0.00876	0.9284 mg/L	0.00876	0.94%
QC value within limits for Cu 324.752 Recovery = 92.84%						
Fe 238.204†	14981.0	0.9802 mg/L	0.00692	0.9802 mg/L	0.00692	0.71%
QC value within limits for Fe 238.204 Recovery = 98.02%						
Li 670.784†	95740.0	0.9583 mg/L	0.00858	0.9583 mg/L	0.00858	0.90%
QC value within limits for Li 670.784 Recovery = 95.83%						
Mg 279.077†	17619.1	96.29 mg/L	1.572	96.29 mg/L	1.572	1.63%
QC value within limits for Mg 279.077 Recovery = 95.33%						
Mn 257.610†	230631.7	0.9198 mg/L	0.00565	0.9198 mg/L	0.00565	0.61%
QC value within limits for Mn 257.610 Recovery = 91.98%						
Mo 202.031†	807.7	0.9540 mg/L	0.00951	0.9540 mg/L	0.00951	1.00%
QC value within limits for Mo 202.031 Recovery = 95.40%						
Ni 231.604†	1827.3	0.9343 mg/L	0.00058	0.9343 mg/L	0.00058	0.06%
QC value within limits for Ni 231.604 Recovery = 93.43%						
Pb 220.353†	527.7	0.9615 mg/L	0.00746	0.9615 mg/L	0.00746	0.78%
QC value within limits for Pb 220.353 Recovery = 96.15%						
Sb 206.836†	409.5	0.9007 mg/L	0.00557	0.9007 mg/L	0.00557	0.62%
QC value within limits for Sb 206.836 Recovery = 90.07%						
Se 196.026†	149.7	0.9850 mg/L	0.00778	0.9850 mg/L	0.00778	0.79%
QC value within limits for Se 196.026 Recovery = 98.50%						
Si 251.611†	27151.6	5.417 mg/L	0.0467	5.417 mg/L	0.0467	0.86%
QC value within limits for Si 251.611 Recovery = 108.34%						
Sn 189.927†	1349.3	4.619 mg/L	0.0316	4.619 mg/L	0.0316	0.68%
QC value within limits for Sn 189.927 Recovery = 92.37%						
Sr 421.552†	1031879.4	1.198 mg/L	0.0084	1.198 mg/L	0.0084	0.70%
QC value greater than the upper limit for Sr 421.552 Recovery = 119.81%						
Ti 334.940†	274678.4	0.9389 mg/L	0.00344	0.9389 mg/L	0.00344	0.37%
QC value within limits for Ti 334.940 Recovery = 93.89%						
Tl 190.801†	869.0	0.9512 mg/L	0.00898	0.9512 mg/L	0.00898	0.94%
QC value within limits for Tl 190.801 Recovery = 95.12%						
V 290.880†	38192.8	0.9520 mg/L	0.00577	0.9520 mg/L	0.00577	0.61%
QC value within limits for V 290.880 Recovery = 95.20%						
Zn 206.200†	2217.3	0.9820 mg/L	0.00470	0.9820 mg/L	0.00470	0.48%
QC value within limits for Zn 206.200 Recovery = 98.20%						
P 213.617†	401.0	5.872 mg/L	0.0512	5.872 mg/L	0.0512	0.87%
S 181.975†	3.5	0.1756 mg/L	0.07326	0.1756 mg/L	0.07326	41.72%
Na 589.592†	435982.4	99.47 mg/L	1.040	99.47 mg/L	1.040	1.05%
QC value within limits for Na 589.592 Recovery = 98.48%						
K 766.490†	182234.7	106.1 mg/L	0.85	106.1 mg/L	0.85	0.80%
QC value within limits for K 766.490 Recovery = 96.48%						
Hg 253.652†	185.1	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	0.00%

QC Failed. Continue with analysis.

ENTHALPY INSTRUMENT BLANK FOR 465874 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22291457035 File : met02_hg_062822 Time : 21-JUL-2022 12:07
Cal : 22291457001 Caldate : 21-JUL-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	386737	389925	0.82

Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

Sequence No.: 17 **Autosampler Location: 8**
Sample ID: CCB **Date Collected: 7/21/2022 12:07:28 PM**
Analyst: sbw **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	69539.4	102.1	%	1.21				1.18%
Y Axial	389925.1	100.8	%	0.75				0.74%
Ag 328.068†	15.0	0.0002	mg/L	0.00101	0.0002	mg/L	0.00101	428.10%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	12.5	0.0016	mg/L	0.00352	0.0016	mg/L	0.00352	213.60%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-1.5	-0.0044	mg/L	0.00416	-0.0044	mg/L	0.00416	93.78%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	5.9	0.0013	mg/L	0.00026	0.0013	mg/L	0.00026	20.02%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 233.527†	-8.8	-0.0003	mg/L	0.00007	-0.0003	mg/L	0.00007	20.40%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-41.6	-0.0002	mg/L	0.00003	-0.0002	mg/L	0.00003	18.54%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	6.1	0.0023	mg/L	0.00338	0.0023	mg/L	0.00338	144.65%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440†	-1.7	-0.0002	mg/L	0.00016	-0.0002	mg/L	0.00016	80.96%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	-1.1	-0.0002	mg/L	0.00024	-0.0002	mg/L	0.00024	131.55%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-6.0	-0.0003	mg/L	0.00039	-0.0003	mg/L	0.00039	120.44%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-401.5	-0.0078	mg/L	0.00062	-0.0078	mg/L	0.00062	7.92%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 238.204†	-475.1	-0.0311	mg/L	0.00112	-0.0311	mg/L	0.00112	3.59%
QC value within limits for Fe 238.204 Recovery = Not calculated								
Li 670.784†	-647.8	-0.0065	mg/L	0.00065	-0.0065	mg/L	0.00065	9.98%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.077†	3.6	0.0197	mg/L	0.00278	0.0197	mg/L	0.00278	14.09%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-342.6	-0.0014	mg/L	0.00004	-0.0014	mg/L	0.00004	2.81%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-48.2	-0.0570	mg/L	0.00316	-0.0570	mg/L	0.00316	5.55%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	-0.9	-0.0005	mg/L	0.00021	-0.0005	mg/L	0.00021	45.64%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-2.8	-0.0050	mg/L	0.00194	-0.0050	mg/L	0.00194	38.66%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-17.5	-0.0387	mg/L	0.00290	-0.0387	mg/L	0.00290	7.49%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.4	-0.0091	mg/L	0.00395	-0.0091	mg/L	0.00395	43.56%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	84.8	0.0176	mg/L	0.00202	0.0176	mg/L	0.00202	11.48%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-15.4	-0.0526	mg/L	0.00331	-0.0526	mg/L	0.00331	6.29%
Sr 421.552†	-161.7	-0.0002	mg/L	0.00001	-0.0002	mg/L	0.00001	7.11%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	-2205.0	-0.0075	mg/L	0.00003	-0.0075	mg/L	0.00003	0.36%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-5.6	-0.0061	mg/L	0.00268	-0.0061	mg/L	0.00268	43.64%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-64.5	-0.0016	mg/L	0.00155	-0.0016	mg/L	0.00155	96.49%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	-24.6	-0.0109	mg/L	0.00016	-0.0109	mg/L	0.00016	1.48%
QC value within limits for Zn 206.200 Recovery = Not calculated								
P 213.617†	-0.1	-0.0011	mg/L	0.00140	-0.0011	mg/L	0.00140	123.32%
S 181.975†	1.8	0.0878	mg/L	0.03806	0.0878	mg/L	0.03806	43.35%
Na 589.592†	-2498.1	-0.5699	mg/L	0.01732	-0.5699	mg/L	0.01732	3.04%

QC value less than the lower limit for Na 589.592 Recovery = Not calculated

K 766.490†	497.6	0.2898 mg/L	0.01759	0.2898 mg/L	0.01759	6.07%

QC value greater than the upper limit for K 766.490 Recovery = Not calculated

Hg 253.652†	3.8	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	0.00%

QC Failed. Continue with analysis.

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 465921
Report Level: II
Report Date: 01/06/2023

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	465921
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	07/19/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.2GW-DG-3 TO 17-220718-P-LA	465921-001	07/18/22 08:50	Wipe
DOOR-N-0.2GW-DG-3 TO 17-220718-P-DUP-LA	465921-002	07/18/22 08:50	Wipe
DOOR-N-0.2GW-DG-3 TO 17-220718-L-LA	465921-003	07/18/22 08:50	Wipe
DOOR-N-0.2GW-PS-16-220718-P-LA	465921-004	07/18/22 11:33	Wipe
DOOR-N-0.2GW-PS-16-220718-L-LA	465921-005	07/18/22 11:33	Wipe
DOOR-N-0.2GW-PS-17-220718-P-G	465921-006	07/18/22 08:31	Wipe
DOOR-N-0.2GW-PS-17-220718-L-G	465921-007	07/18/22 08:31	Wipe
DOOR-N-0.3GW-PS-17-220718-P-LA	465921-008	07/18/22 07:40	Wipe
DOOR-N-0.3GW-PS-17-220718-L-LA	465921-009	07/18/22 07:40	Wipe
DOOR-N-0.3GW-INT-16 TO 17-220718-P-CB	465921-010	07/18/22 11:02	Wipe
DOOR-N-0.3GW-INT-16 TO 17-220718-L-CB	465921-011	07/18/22 11:02	Wipe
DOOR-N-0.3GW-INT-16 TO 17-220718-L-DUP-CB	465921-012	07/18/22 11:02	Wipe
DOOR-N-0.4GW-PS-17-220718-P-G	465921-013	07/18/22 08:08	Wipe
DOOR-N-0.4GW-PS-17-220718-L-G	465921-014	07/18/22 08:08	Wipe
AFRAME-C1W-LAT-L2-INT-0.5 TO 1-220718-P-FB	465921-015	07/18/22 09:54	Wipe
AFRAME-C1W-LAT-L2-INT-0.5 TO 1-220718-L-FB	465921-016	07/18/22 09:54	Wipe
AFRAME-C1W-MED-L2-EXT-0 TO 1-220718-P-WF	465921-017	07/18/22 10:13	Wipe

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	465921
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	07/19/22

Sample ID	Lab ID	Collected	Matrix
AFRAME-C1W-MED-L2-EXT-0 TO 1-220718-L-WF	465921-018	07/18/22 10:13	Wipe
AFRAME-C1W-MED-L2-EXT-0 TO 1-220718-L-DUP-WF	465921-019	07/18/22 10:13	Wipe
220718-P-MEDBLANK	465921-020	07/18/22 14:46	Wipe
220718-L-MEDBLANK	465921-021	07/18/22 14:46	Wipe
DOOR-N-0.4GW-PS-16-220718-P-LA	465921-022	07/18/22 13:00	Wipe
DOOR-N-0.4GW-PS-16-220718-L-LA	465921-023	07/18/22 13:00	Wipe
DOOR-N-0.4GW-EXT-2 TO 3-220718-P-CB	465921-024	07/18/22 12:43	Wipe
DOOR-N-0.4GW-EXT-2 TO 3-220718-P-DUP-CB	465921-025	07/18/22 12:43	Wipe
DOOR-N-0.4GW-EXT-2 TO 3-220718-L-CB	465921-026	07/18/22 12:43	Wipe

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Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 465921 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 07/19/22

This data package contains sample and QC results for twenty six wipe samples, requested for the above referenced project on 07/19/22. The samples were received cold and intact. Reissued 1/6/23 to revise the preparation method reference.

PCBs (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

ENTHALPY ANALYTICAL

Chain of Custody Record — 465921 — LDC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard: | X (PCBs) | 5 Day: | | 3 Day: |
2 Day: | | 1 Day: | X (Pb) | Custom TAT: |

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate 5D = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	1S8 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	Tyler Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	DOOR-N-0.2GW-DG-3 TO 17-2207**18** -P- LA	7/18/2022	0850	WP	1		X			**Confirmation Wipe Samples - Level II Report/Stage 2A Validation** Report PCB concentrations on a µg/100cm² basis Report lead concentrations on a µg/ft² basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 1 Enclosure C
2	DOOR-N-0.2GW-DG-3 TO 17-2207**18** -P-DUP- LA	7/18/2022	0850	WP	1		X			
3	DOOR-N-0.2GW-DG-3 TO 17-2207**18** -L- LA	7/18/2022	0850	WP	1			X		2x Rivet Type 1 = 0.0276 ft² added area
4	DOOR-N-0.2GW-PS-16-2207**18** -P- LA	7/18/2022	1133	WP	1		X			
5	DOOR-N-0.2GW-PS-16-2207**18** -L- LA	7/18/2022	1133	WP	1			X		2x Rivet Type 1 = 0.0276 ft² added area
6	DOOR-N-0.2GW-PS-17-2207**18** -P- G	7/18/2022	0831	WP	1		X			
7	DOOR-N-0.2GW-PS-17-2207**18** -L- G	7/18/2022	0831	WP	1			X		2x Rivet Type 1 = 0.0276 ft² added area
8	DOOR-N-0.3GW-PS-17-2207**18** -P- LA	7/18/2022	0740	WP	1		X			
9	DOOR-N-0.3GW-PS-17-2207**18** -L- LA	7/18/2022	0740	WP	1			X		2x Rivet Type 1 = 0.0276 ft² added area
10	DOOR-N-0.3GW-~~EXT~~INT-16 TO 17-2207**18** -P- CB	7/18/2022	1102	WP	1		X			
11	DOOR-N-0.3GW-~~EXT~~INT-16 TO 17-2207**18** -L- CB	7/18/2022	1102	WP	1			X		
12	DOOR-N-0.3GW-~~EXT~~INT-16 TO 17-2207**18** -L-DUP- CB	7/18/2022	1102	WP	1			X		
13	DOOR-N-0.4GW-PS-17-2207**18** -P- G	7/18/2022	0808	WP	1		X			
14	DOOR-N-0.4GW-PS-17-2207**18** -L- G	7/18/2022	0808	WP	1			X		2x Rivet Type 1 = 0.0276 ft² added area
15	AFRAME-C1W-LAT-L2-INT-0.5 TO 1-2207**18**-P-FB	7/18/2022	0954	WP	1		X			

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Donald Welsh	Rincon Consultants	7/18/22 18:00
[1] Received By:		yanitz		7/19/2022 09:25
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record

465921 COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	Tyler Sinnott

Test Instructions / Comments

Confirmation Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure C

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
16	AFRAME-C1W-LAT-L2-INT-0.5 TO 1-220718 -L-FB	7/18/2022	0954	WP	1			X		
17	AFRAME-C1W-MED-L2-EXT-0 TO 1-220718 -P-WF	7/18/2022	1013	WP	1		X			
18	AFRAME-C1W-MED-L2-EXT-0 TO 1-220718 -L-WF	7/18/2022	1013	WP	1			X		
19	AFRAME-C1W-MED-L2-EXT-0 TO 1-220718 -L-DUP-WF	7/18/2022	1013	WP	1			X		
20	220718 -P-MEDBLANK	7/18/2022	1446	WP	1		X			
21	220718 -L-MEDBLANK	7/18/2022	1446	WP	1			X		
22	DOOR-N-0.4GW-PS-16-220718-P-LA	7/18/22	1300	WP	1		X			
23	DOOR-N-0.4GW-PS-16-220718-L-LA	7/18/22	1300	WP	1			X		2x Rivet Type 1 = 0.0276 ft² added area
24	DOOR-N-0.4GW-EXT-2TO3-220718-P-CB	7/18/22	1243	WP	1		X			
25	DOOR-N-0.4GW-EXT-2TO3-220718-P-DUP-CB	7/18/22	1243	WP	1		X			
26	DOOR-N-0.4GW-EXT-2TO3-220718-L-CB	7/18/22	1243	WP	1			X		
27										
28										
29										
30										

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Donald Welsh	Rincon Consultants	7/18/22 18:00
[1] Received By:		Yhnite		7/19/2022 09:25
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants, Inc. Project: Hangar 1 - NCTRA WP

Date Received: 7/19/2022 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.3 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: Fedex

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☑ Other Plastic bag

Cooler Temp (°C): #1: 3.4 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?	✓		
If custody seals are present, were they intact?	✓		
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

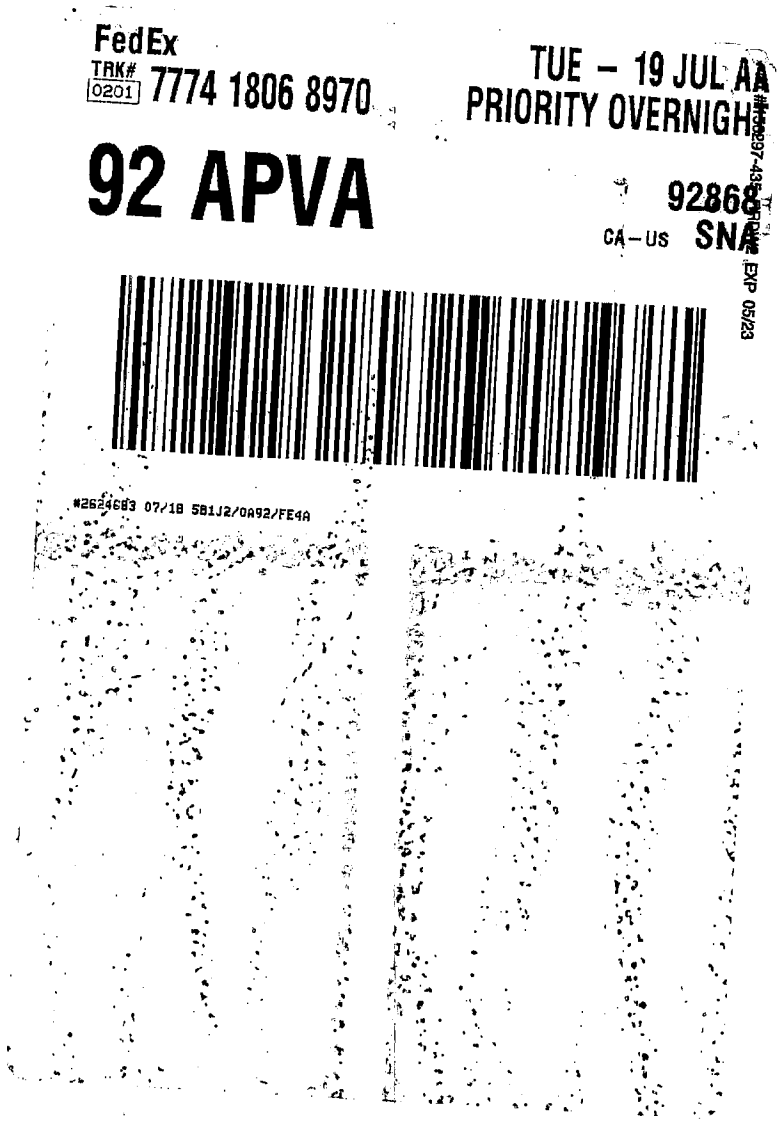
Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yanira Date: 7/19/2022


FedEx
TRK# 0201 7774 1806 8970
TUE - 19 JUL AA
PRIORITY OVERNIGH
92 APVA
92868
CA-US SNA
EXP 05/23
#2624683 07/18 5B1J2/0A92/FE4A

S/5-3

C/3-4

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465921 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.2GW-DG-3 TO 17-220718-P-LA **Batch#:** 293412 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 8082

Lab ID: 465921-001 **Received:** 07/19/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/20/22

DiIn Fac: 1.000 **Analyzed:** 07/24/22

465921-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465921-001 Surrogate	%REC	Limits
TCMX (PCB)	70	52-186
Decachlorobiphenyl (PCB)	64	50-150

Field ID: DOOR-N-0.2GW-DG-3 TO 17-220718-P-DUP-LA **Batch#:** 293412 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 8082

Lab ID: 465921-002 **Received:** 07/19/22 **Analyst:** SLL

Matrix: Wipe **Prepared:** 07/20/22

DiIn Fac: 1.000 **Analyzed:** 07/24/22

465921-002 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465921-002 Surrogate	%REC	Limits
TCMX (PCB)	74	52-186
Decachlorobiphenyl (PCB)	70	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465921 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.2GW-PS-16-220718-P-LA **Batch#:** 293412 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 8082

Lab ID: 465921-004 **Received:** 07/19/22 **Analyst:** SLL

Matrix: Wipe **Prepared:** 07/20/22

Diln Fac: 1.000 **Analyzed:** 07/24/22

465921-004 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465921-004 Surrogate	%REC	Limits
TCMX (PCB)	68	52-186
Decachlorobiphenyl (PCB)	65	50-150

Field ID: DOOR-N-0.2GW-PS-17-220718-P-G **Batch#:** 293412 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 8082

Lab ID: 465921-006 **Received:** 07/19/22 **Analyst:** SLL

Matrix: Wipe **Prepared:** 07/20/22

Diln Fac: 1.000 **Analyzed:** 07/24/22

465921-006 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465921-006 Surrogate	%REC	Limits
TCMX (PCB)	70	52-186
Decachlorobiphenyl (PCB)	69	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465921 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.3GW-PS-17-220718-P-LA **Batch#:** 293412 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 8082

Lab ID: 465921-008 **Received:** 07/19/22 **Analyst:** SLL

Matrix: Wipe **Prepared:** 07/20/22

Diln Fac: 1.000 **Analyzed:** 07/24/22

465921-008 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465921-008 Surrogate	%REC	Limits
TCMX (PCB)	71	52-186
Decachlorobiphenyl (PCB)	68	50-150

Field ID: DOOR-N-0.3GW-INT-16 TO 17-220718-P-CB **Batch#:** 293412 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 8082

Lab ID: 465921-010 **Received:** 07/19/22 **Analyst:** SLL

Matrix: Wipe **Prepared:** 07/20/22

Diln Fac: 1.000 **Analyzed:** 07/24/22

465921-010 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465921-010 Surrogate	%REC	Limits
TCMX (PCB)	67	52-186
Decachlorobiphenyl (PCB)	65	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465921 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.4GW-PS-17-220718-P-G **Batch#:** 293412 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 8082

Lab ID: 465921-013 **Received:** 07/19/22 **Analyst:** SLL

Matrix: Wipe **Prepared:** 07/20/22

DiIn Fac: 1.000 **Analyzed:** 07/24/22

465921-013 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465921-013 Surrogate	%REC	Limits
TCMX (PCB)	68	52-186
Decachlorobiphenyl (PCB)	66	50-150

Field ID: AFRAME-C1W-LAT-L2-INT-0.5 TO 1-220718-P-FB **Batch#:** 293412 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 8082

Lab ID: 465921-015 **Received:** 07/19/22 **Analyst:** SLL

Matrix: Wipe **Prepared:** 07/20/22

DiIn Fac: 1.000 **Analyzed:** 07/24/22

465921-015 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465921-015 Surrogate	%REC	Limits
TCMX (PCB)	75	52-186
Decachlorobiphenyl (PCB)	68	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465921 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C1W-MED-L2-EXT-0 TO 1-220718-P-WF **Batch#:** 293716 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 8082

Lab ID: 465921-017 **Received:** 07/19/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/25/22

Diln Fac: 1.000 **Analyzed:** 07/27/22

465921-017 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465921-017 Surrogate	%REC	Limits
TCMX (PCB)	67	52-186
Decachlorobiphenyl (PCB)	65	50-150

Field ID: 220718-P-MEDBLANK **Batch#:** 293716 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 8082

Lab ID: 465921-020 **Received:** 07/19/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/25/22

Diln Fac: 1.000 **Analyzed:** 07/27/22

465921-020 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465921-020 Surrogate	%REC	Limits
TCMX (PCB)	62	52-186
Decachlorobiphenyl (PCB)	58	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465921 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.4GW-PS-16-220718-P-LA **Batch#:** 293716 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 8082

Lab ID: 465921-022 **Received:** 07/19/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/25/22

Diln Fac: 1.000 **Analyzed:** 07/27/22

465921-022 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465921-022 Surrogate	%REC	Limits
TCMX (PCB)	63	52-186
Decachlorobiphenyl (PCB)	55	50-150

Field ID: DOOR-N-0.4GW-EXT-2 TO 3-220718-P-CB **Batch#:** 293716 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 8082

Lab ID: 465921-024 **Received:** 07/19/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/25/22

Diln Fac: 1.000 **Analyzed:** 07/27/22

465921-024 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465921-024 Surrogate	%REC	Limits
TCMX (PCB)	66	52-186
Decachlorobiphenyl (PCB)	55	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465921 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.4GW-EXT-2 TO 3-220718-P-DUP-CB **Batch#:** 293716 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 8082

Lab ID: 465921-025 **Received:** 07/19/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/25/22

DiIn Fac: 1.000 **Analyzed:** 07/27/22

465921-025 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465921-025 Surrogate	%REC	Limits
TCMX (PCB)	62	52-186
Decachlorobiphenyl (PCB)	54	50-150

Type: BLANK **Batch#:** 293412 **Analysis:** EPA 8082

Lab ID: QC1001814 **Prepared:** 07/20/22 **Analyst:** SLL

Matrix: Wipe **Analyzed:** 07/23/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1001814 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1001814 Surrogate	%REC	Limits
TCMX (PCB)	97	52-186
Decachlorobiphenyl (PCB)	87	60-140

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465921 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 293716 **Analysis:** EPA 8082

Lab ID: QC1002660 **Prepared:** 07/25/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/27/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1002660 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1002660 Surrogate	%REC	Limits
TCMX (PCB)	67	52-186
Decachlorobiphenyl (PCB)	65	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 465921 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 293412 **Analysis:** EPA 8082

Lab ID: QC1001815 **Prepared:** 07/20/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/23/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1001815 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.544	91	60-140	ug/100 cm2
Aroclor-1260	5.000	4.826	97	60-140	ug/100 cm2

QC1001815 Surrogate	%REC	Limits
TCMX (PCB)	90	52-186
Decachlorobiphenyl (PCB)	82	60-140

Type: BSD **Batch#:** 293412 **Analysis:** EPA 8082

Lab ID: QC1001816 **Prepared:** 07/20/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/23/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1001816 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.347	87	60-140	ug/100 cm2	4	20
Aroclor-1260	5.000	4.660	93	60-140	ug/100 cm2	4	20

QC1001816 Surrogate	%REC	Limits
TCMX (PCB)	88	52-186
Decachlorobiphenyl (PCB)	81	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 465921 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 293716 **Analysis:** EPA 8082

Lab ID: QC1002661 **Prepared:** 07/25/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/27/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1002661 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.422	88	60-140	ug/100 cm2
Aroclor-1260	5.000	4.397	88	60-140	ug/100 cm2

QC1002661 Surrogate	%REC	Limits
TCMX (PCB)	79	52-186
Decachlorobiphenyl (PCB)	75	60-140

Type: BSD **Batch#:** 293716 **Analysis:** EPA 8082

Lab ID: QC1002662 **Prepared:** 07/25/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/27/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1002662 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	3.737	75	60-140	ug/100 cm2	17	20
Aroclor-1260	5.000	3.792	76	60-140	ug/100 cm2	15	20

QC1002662 Surrogate	%REC	Limits
TCMX (PCB)	70	52-186
Decachlorobiphenyl (PCB)	65	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 465921 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.2GW-DG-3 TO 17-220718-L-LA **Batch#:** 293294 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 6010B
Lab ID: 465921-003 **Received:** 07/19/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/22
Dil n Fac: 1.000 **Analyzed:** 07/20/22

465921-003 Analyte	Result	RL	Units
Lead	**43**	0.97	ug/ft2

Field ID: DOOR-N-0.2GW-PS-16-220718-L-LA **Batch#:** 293294 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 6010B
Lab ID: 465921-005 **Received:** 07/19/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/22
Dil n Fac: 1.000 **Analyzed:** 07/20/22

465921-005 Analyte	Result	RL	Units
Lead	**130**	0.97	ug/ft2

Field ID: DOOR-N-0.2GW-PS-17-220718-L-G **Batch#:** 293294 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 6010B
Lab ID: 465921-007 **Received:** 07/19/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/22
Dil n Fac: 1.000 **Analyzed:** 07/20/22

465921-007 Analyte	Result	RL	Units
Lead	**23**	0.97	ug/ft2

Field ID: DOOR-N-0.3GW-PS-17-220718-L-LA **Batch#:** 293294 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 6010B
Lab ID: 465921-009 **Received:** 07/19/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/22
Dil n Fac: 1.000 **Analyzed:** 07/20/22

465921-009 Analyte	Result	RL	Units
Lead	**120**	0.97	ug/ft2

Field ID: DOOR-N-0.3GW-INT-16 TO 17-220718-L-CB **Batch#:** 293294 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 6010B
Lab ID: 465921-011 **Received:** 07/19/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/22
Dil n Fac: 1.000 **Analyzed:** 07/20/22

465921-011 Analyte	Result	RL	Units
Lead	**32**	1.0	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 465921 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.3GW-INT-16 TO 17-220718-L-DUP-CB **Batch#:** 293294 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 6010B
Lab ID: 465921-012 **Received:** 07/19/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/22
Diln Fac: 1.000 **Analyzed:** 07/20/22

465921-012 Analyte	Result	RL	Units
Lead	**51**	1.0	ug/ft2

Field ID: DOOR-N-0.4GW-PS-17-220718-L-G **Batch#:** 293294 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 6010B
Lab ID: 465921-014 **Received:** 07/19/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/22
Diln Fac: 1.000 **Analyzed:** 07/20/22

465921-014 Analyte	Result	RL	Units
Lead	**24**	0.97	ug/ft2

Field ID: AFRAME-C1W-LAT-L2-INT-0.5 TO 1-220718-L-FB **Batch#:** 293294 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 6010B
Lab ID: 465921-016 **Received:** 07/19/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/22
Diln Fac: 1.000 **Analyzed:** 07/20/22

465921-016 Analyte	Result	RL	Units
Lead	**470**	1.0	ug/ft2

Field ID: AFRAME-C1W-MED-L2-EXT-0 TO 1-220718-L-WF **Batch#:** 293294 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 6010B
Lab ID: 465921-018 **Received:** 07/19/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/22
Diln Fac: 1.000 **Analyzed:** 07/20/22

465921-018 Analyte	Result	RL	Units
Lead	**42**	1.0	ug/ft2

Field ID: AFRAME-C1W-MED-L2-EXT-0 TO 1-220718-L-DUP-WF **Batch#:** 293294 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 6010B
Lab ID: 465921-019 **Received:** 07/19/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/22
Diln Fac: 1.000 **Analyzed:** 07/20/22

465921-019 Analyte	Result	RL	Units
Lead	**61**	1.0	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 465921 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 220718-L-MEDBLANK **Batch#:** 293294 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 6010B
Lab ID: 465921-021 **Received:** 07/19/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/22
Diln Fac: 1.000 **Analyzed:** 07/20/22

465921-021 Analyte	Result	RL	Units
Lead	ND	1.0	ug/ft2

Field ID: DOOR-N-0.4GW-PS-16-220718-L-LA **Batch#:** 293294 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 6010B
Lab ID: 465921-023 **Received:** 07/19/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/22
Diln Fac: 1.000 **Analyzed:** 07/20/22

465921-023 Analyte	Result	RL	Units
Lead	**130**	0.97	ug/ft2

Field ID: DOOR-N-0.4GW-EXT-2 TO 3-220718-L-CB **Batch#:** 293294 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 6010B
Lab ID: 465921-026 **Received:** 07/19/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/22
Diln Fac: 1.000 **Analyzed:** 07/20/22

465921-026 Analyte	Result	RL	Units
Lead	**54**	1.0	ug/ft2

Type: BLANK **Batch#:** 293294 **Analysis:** EPA 6010B
Lab ID: QC1001452 **Prepared:** 07/19/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 07/20/22
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1001452 Analyte	Result	RL	Units
Lead	ND	1.0	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 465921 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 293294 **Analysis:** EPA 6010B

Lab ID: QC1001453 **Prepared:** 07/19/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 07/20/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1001453 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	114.0	114	80-120	ug/ft2

Type: BSD **Batch#:** 293294 **Analysis:** EPA 6010B

Lab ID: QC1001454 **Prepared:** 07/19/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 07/20/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1001454 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	106.3	106	80-120	ug/ft2	7	20

Legend

RPD: Relative Percent Difference

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 465924
Report Level: IV
Report Date: 01/06/2023

PCBs

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	465924
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	07/19/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.1GW-DG-3 TO 16-220718-P-LA	465924-001	07/18/22 10:42	Wipe
DOOR-N-0.2GW-EXT-3 TO 4-220718-P-CB	465924-003	07/18/22 07:23	Wipe

Case Narrative

PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 465924 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 07/19/22

This data package contains sample and QC results for two wipe samples, requested for the above referenced project on 07/19/22. See attached cooler receipt form for any sample receipt problems or discrepancies. Reissued 1/6/23 to revise the preparation method reference.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID: 165924

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	Tyler Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
1	DOOR-N-0.1GW-DG-3 TO 16-2207 1B-P- LA	7/18/2022	1042	WP	1		X		
2	DOOR-N-0.1GW-DG-3 TO 16-2207 1B-L- LA	7/18/2022	1042	WP	1			X	
3	DOOR-N-0.2GW-EXT-3 TO 4-2207 1B-P- CB	7/18/2022	0723	WP	1		X		
4	DOOR-N-0.2GW-EXT-3 TO 4-2207 1B-L- CB	7/18/2022	0723	WP	1			X	
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure C

2x Rivet Type 1 = 0.0276 ft² added area

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Donald Welsh	Rincon Consultants	7/18/22 18:00
1 Received By:		Yanitz	EA	7/19/2022 09:25
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Hangar 1 - NCTRA WP

Date Received: 7/19/2022

Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.3 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: fedex

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☑ Other Plastic bags

Cooler Temp (°C): #1: 3.4 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?	✓		
If custody seals are present, were they intact?	✓		
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

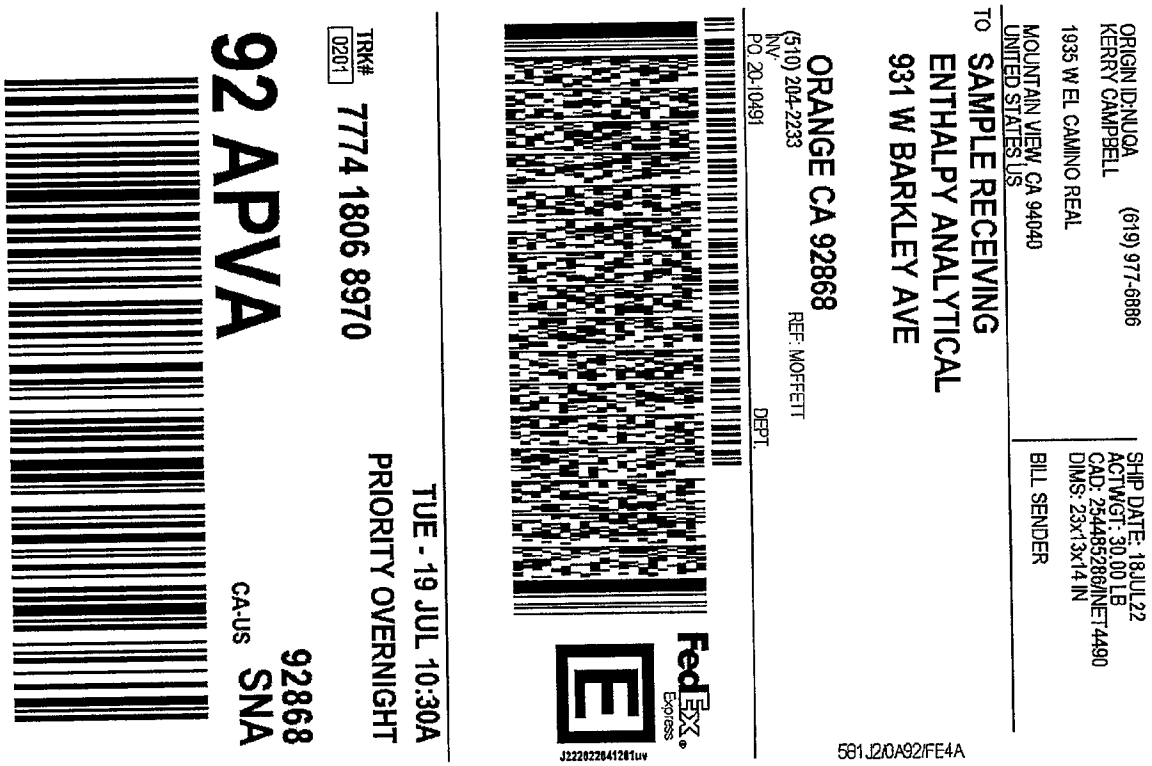
Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: ymita Date: 7/19/2022



After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Results & QC Summary

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465924 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.1GW-DG-3 TO 16-220718-P-LA **Batch#:** 293716 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 8082

Lab ID: 465924-001 **Received:** 07/19/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/25/22

Diln Fac: 1.000 **Analyzed:** 07/27/22

465924-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465924-001 Surrogate	%REC	Limits
TCMX (PCB)	67	52-186
Decachlorobiphenyl (PCB)	63	50-150

Field ID: DOOR-N-0.2GW-EXT-3 TO 4-220718-P-CB **Batch#:** 293716 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 8082

Lab ID: 465924-003 **Received:** 07/19/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/25/22

Diln Fac: 1.000 **Analyzed:** 07/27/22

465924-003 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465924-003 Surrogate	%REC	Limits
TCMX (PCB)	62	52-186
Decachlorobiphenyl (PCB)	55	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465924 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 293716 **Analysis:** EPA 8082

Lab ID: QC1002660 **Prepared:** 07/25/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/27/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1002660 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1002660 Surrogate	%REC	Limits
TCMX (PCB)	67	52-186
Decachlorobiphenyl (PCB)	65	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 465924 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 293716 **Analysis:** EPA 8082

Lab ID: QC1002661 **Prepared:** 07/25/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/27/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1002661 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.422	88	60-140	ug/100 cm2
Aroclor-1260	5.000	4.397	88	60-140	ug/100 cm2

QC1002661 Surrogate	%REC	Limits
TCMX (PCB)	79	52-186
Decachlorobiphenyl (PCB)	75	60-140

Type: BSD **Batch#:** 293716 **Analysis:** EPA 8082

Lab ID: QC1002662 **Prepared:** 07/25/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/27/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1002662 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	3.737	75	60-140	ug/100 cm2	17	20
Aroclor-1260	5.000	3.792	76	60-140	ug/100 cm2	15	20

QC1002662 Surrogate	%REC	Limits
TCMX (PCB)	70	52-186
Decachlorobiphenyl (PCB)	65	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 465924 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_072622_1
Calibration #:	212298819002	Date:	27-JUL-2022 08:03
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc02_072622-044	212298819044		27-JUL-2022 08:03	S17023 (100X), S17010 (250X)
L2	gc02_072622-045	212298819045		27-JUL-2022 08:21	S17023 (40X), S17010 (250X)
L3	gc02_072622-046	212298819046		27-JUL-2022 08:38	S17023 (20X), S17010 (250X)
L4	gc02_072622-047	212298819047		27-JUL-2022 08:56	S17023 (8X), S17010 (250X)
L5	gc02_072622-048	212298819048		27-JUL-2022 09:14	S17023 (4X), S17010 (250X)
L6	gc02_072622-049	212298819049		27-JUL-2022 09:32	S17023 (2.667X), S17010 (250X)
L7	gc02_072622-050	212298819050		27-JUL-2022 09:50	S17023 (2X), S17010 (250X)
L8	gc02_072622-051	212298819051		27-JUL-2022 10:07	S17023 (1.33X), S17010 (250X)
L9	gc02_072622-052	212298819052		27-JUL-2022 10:25	S17023, S17010 (250X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		76.1896		0.0131	13	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		39.4649		0.0253	14	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		25.1211		0.0398	11	7	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		42.9497		0.0233	11	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		49.0276		0.0204	11	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		24.4019		0.0410	12	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		15.7433		0.0635	12	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		13.3542		0.0749	12	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		29.5041		0.0339	12	7	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		20.2842		0.0493	17	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		1.06860		0.9358	16	9	.99	20	
TCMX (PCB)	A	AVRG		1.28277		0.7796	11	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		53.0790		0.0188	15	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		25.8819		0.0386	15	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		20.8894		0.0479	15	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		29.5198		0.0339	14	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		36.2658		0.0276	12	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		17.6325		0.0567	16	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		16.1140		0.0621	18	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		12.1852		0.0821	16	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		21.8319		0.0458	18	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		15.2122		0.0657	17	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.97903		1.0214	15	9	.99	20	
TCMX (PCB)	B	AVRG		1.09453		0.9136	14	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 465924 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_072622_1
Calibration #:	212298819002	Date:	27-JUL-2022 08:03
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0124	0.0159	0.0151	0.0143	0.0113	0.0113	0.0132	0.0129	0.0118
Aroclor-1016 Peak # 2	A	0.0260	0.0317	0.0287	0.0267	0.0219	0.0217	0.0258	0.0255	0.0201
Aroclor-1016 Peak # 3	A	0.0400	0.0466	0.0424	0.0403	0.0326	0.0359	0.0410		
Aroclor-1016 Peak # 4	A	0.0251	0.0279	0.0243	0.0239	0.0190	0.0202	0.0230	0.0239	0.0224
Aroclor-1016 Peak # 5	A	0.0214	0.0243	0.0219	0.0206	0.0167	0.0176	0.0202	0.0207	0.0202
Aroclor-1260 Peak # 1	A	0.0417	0.0513	0.0432	0.0409	0.0338	0.0354	0.0422	0.0410	0.0392
Aroclor-1260 Peak # 2	A	0.0588	0.0795	0.0673	0.0620	0.0522	0.0568	0.0678	0.0646	0.0626
Aroclor-1260 Peak # 3	A	0.0762	0.0938	0.0741	0.0703	0.0621	0.0688	0.0716	0.0800	0.0770
Aroclor-1260 Peak # 4	A		0.0400	0.0357	0.0320	0.0274	0.0309	0.0365	0.0348	
Aroclor-1260 Peak # 5	A	0.0384	0.0568	0.0490	0.0479	0.0381	0.0442	0.0535	0.0516	0.0642
Decachlorobiphenyl (PCB)	A	0.8306	1.0837	0.8904	0.8451	0.7096	0.8383	1.1608	1.1188	0.9449
TCMX (PCB)	A	0.7544	0.9272	0.8229	0.7940	0.6450	0.6715	0.7924	0.8110	0.7977
Aroclor-1016 Peak # 1	B	0.0224	0.0226	0.0214	0.0202	0.0159	0.0159	0.0176	0.0166	0.0169
Aroclor-1016 Peak # 2	B	0.0404	0.0500	0.0444	0.0422	0.0329	0.0328	0.0361	0.0339	0.0351
Aroclor-1016 Peak # 3	B	0.0507	0.0605	0.0546	0.0531	0.0402	0.0400	0.0442	0.0431	0.0446
Aroclor-1016 Peak # 4	B	0.0352	0.0425	0.0383	0.0373	0.0293	0.0286	0.0316	0.0305	0.0315
Aroclor-1016 Peak # 5	B	0.0294	0.0338	0.0309	0.0283	0.0234	0.0242	0.0267	0.0252	0.0265
Aroclor-1260 Peak # 1	B	0.0572	0.0749	0.0666	0.0591	0.0471	0.0494	0.0544	0.0495	0.0522
Aroclor-1260 Peak # 2	B	0.0656	0.0855	0.0733	0.0644	0.0514	0.0533	0.0585	0.0528	0.0539
Aroclor-1260 Peak # 3	B	0.0834	0.1106	0.0947	0.0846	0.0677	0.0716	0.0784	0.0714	0.0763
Aroclor-1260 Peak # 4	B	0.0517	0.0638	0.0515	0.0458	0.0384	0.0409	0.0389	0.0400	0.0412
Aroclor-1260 Peak # 5	B	0.0689	0.0885	0.0756	0.0676	0.0532	0.0571	0.0610	0.0552	0.0646
Decachlorobiphenyl (PCB)	B	1.0276	1.3642	1.1241	1.0112	0.8307	0.9396	1.0059	0.9072	0.9824
TCMX (PCB)	B	1.0052	1.1320	1.0317	0.9356	0.7617	0.7712	0.8665	0.8338	0.8850

ENTHALPY INITIAL CALIBRATION FOR 465924 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_072622_1
Calibration #:	212298819002	Date:	27-JUL-2022 08:03
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	-6	50.000	**21**	100.00	15	250.00	9	500.00	-14	749.91	-14	1000.0	0	1503.8	-1
Aroclor-1016 Peak # 2	A	20.000	2	50.000	**25**	100.00	13	250.00	5	500.00	-14	749.91	-14	1000.0	2	1503.8	1
Aroclor-1016 Peak # 3	A	20.000	0	50.000	17	100.00	7	250.00	1	500.00	-18	749.91	-10	1000.0	3		
Aroclor-1016 Peak # 4	A	20.000	8	50.000	20	100.00	4	250.00	3	500.00	-18	749.91	-13	1000.0	-1	1503.8	3
Aroclor-1016 Peak # 5	A	20.000	5	50.000	19	100.00	7	250.00	1	500.00	-18	749.91	-14	1000.0	-1	1503.8	2
Aroclor-1260 Peak # 1	A	20.000	2	50.000	**25**	100.00	6	250.00	0	500.00	-18	749.91	-14	1000.0	3	1503.8	0
Aroclor-1260 Peak # 2	A	20.000	-7	50.000	**25**	100.00	6	250.00	-2	500.00	-18	749.91	-11	1000.0	7	1503.8	2
Aroclor-1260 Peak # 3	A	20.000	2	50.000	**25**	100.00	-1	250.00	-6	500.00	-17	749.91	-8	1000.0	-4	1503.8	7
Aroclor-1260 Peak # 4	A			50.000	18	100.00	5	250.00	-5	500.00	-19	749.91	-9	1000.0	8	1503.8	3
Aroclor-1260 Peak # 5	A	20.000	**-22**	50.000	15	100.00	-1	250.00	-3	500.00	**-23**	749.91	-10	1000.0	8	1503.8	5
Decachlorobiphenyl (PCB)	A	0.8000	-11	2.0000	16	4.0000	-5	10.000	-10	20.000	**-24**	29.996	-10	40.000	**24**	60.150	20
TCMX (PCB)	A	0.8000	-3	2.0000	19	4.0000	6	10.000	2	20.000	-17	29.996	-14	40.000	2	60.150	4
Aroclor-1016 Peak # 1	B	20.000	19	50.000	20	100.00	14	250.00	7	500.00	-16	749.91	-16	1000.0	-7	1503.8	-12
Aroclor-1016 Peak # 2	B	20.000	4	50.000	**29**	100.00	15	250.00	9	500.00	-15	749.91	-15	1000.0	-7	1503.8	-12
Aroclor-1016 Peak # 3	B	20.000	6	50.000	**26**	100.00	14	250.00	11	500.00	-16	749.91	-17	1000.0	-8	1503.8	-10
Aroclor-1016 Peak # 4	B	20.000	4	50.000	**25**	100.00	13	250.00	10	500.00	-14	749.91	-15	1000.0	-7	1503.8	-10
Aroclor-1016 Peak # 5	B	20.000	7	50.000	**22**	100.00	12	250.00	2	500.00	-15	749.91	-12	1000.0	-3	1503.8	-9
Aroclor-1260 Peak # 1	B	20.000	1	50.000	**32**	100.00	17	250.00	4	500.00	-17	749.91	-13	1000.0	-4	1503.8	-13
Aroclor-1260 Peak # 2	B	20.000	6	50.000	**38**	100.00	18	250.00	4	500.00	-17	749.91	-14	1000.0	-6	1503.8	-15
Aroclor-1260 Peak # 3	B	20.000	2	50.000	**35**	100.00	15	250.00	3	500.00	-17	749.91	-13	1000.0	-5	1503.8	-13
Aroclor-1260 Peak # 4	B	20.000	13	50.000	**39**	100.00	12	250.00	0	500.00	-16	749.91	-11	1000.0	-15	1503.8	-13
Aroclor-1260 Peak # 5	B	20.000	5	50.000	**35**	100.00	15	250.00	3	500.00	-19	749.91	-13	1000.0	-7	1503.8	-16
Decachlorobiphenyl (PCB)	B	0.8000	1	2.0000	**34**	4.0000	10	10.000	-1	20.000	-19	29.996	-8	40.000	-2	60.150	-11
TCMX (PCB)	B	0.8000	10	2.0000	**24**	4.0000	13	10.000	2	20.000	-17	29.996	-16	40.000	-5	60.150	-9

ENTHALPY INITIAL CALIBRATION FOR 465924 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_072622_1
Calibration #:	212298819002	Date:	27-JUL-2022 08:03
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-10
Aroclor-1016 Peak # 2	A	2000.0	**-21**
Aroclor-1016 Peak # 3	A		
Aroclor-1016 Peak # 4	A	2000.0	-4
Aroclor-1016 Peak # 5	A	2000.0	-1
Aroclor-1260 Peak # 1	A	2000.0	-4
Aroclor-1260 Peak # 2	A	2000.0	-1
Aroclor-1260 Peak # 3	A	2000.0	3
Aroclor-1260 Peak # 4	A		
Aroclor-1260 Peak # 5	A	2000.0	**30**
Decachlorobiphenyl (PCB)	A	80.000	1
TCMX (PCB)	A	80.000	2
Aroclor-1016 Peak # 1	B	2000.0	-11
Aroclor-1016 Peak # 2	B	2000.0	-9
Aroclor-1016 Peak # 3	B	2000.0	-7
Aroclor-1016 Peak # 4	B	2000.0	-7
Aroclor-1016 Peak # 5	B	2000.0	-4
Aroclor-1260 Peak # 1	B	2000.0	-8
Aroclor-1260 Peak # 2	B	2000.0	-13
Aroclor-1260 Peak # 3	B	2000.0	-7
Aroclor-1260 Peak # 4	B	2000.0	-10
Aroclor-1260 Peak # 5	B	2000.0	-2
Decachlorobiphenyl (PCB)	B	80.000	-4
TCMX (PCB)	B	80.000	-3

TRN 07/27/22 : Manually integrated peak for coeluting peak,negative/positive baseline, both/one channel for multiple levels

Analyst: TRN 07/27/22 *

Reviewer: LW 07/27/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 465924 PCBS Wipe

EPA 8082

Inst:	SVOA-GC02	Name:	PCB_072622_1
Calnum:	212298819002	Cal Date:	27-JUL-2022

- ICV 212298819054 (gc02_072622-054 27-JUL-2022) stds: S16736

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	455.5	ug/L	-9	15	
Aroclor-1260	A	500.0	526.6	ug/L	5	15	
Aroclor-1016	B	500.0	481.2	ug/L	-4	15	
Aroclor-1260	B	500.0	492.4	ug/L	-2	15	

-

Analyst: TRN 07/27/22 *

Reviewer: LW 07/27/22

ENTHALPY CONTINUING CALIBRATION FOR 465924 PCBS Wipe

EPA 8082

Inst:	SVOA-GC02			IDF:	1.0
Seqnum:	212298819054	File:	gc02_072622-054	Time:	27-JUL-2022 11:01
Cal:	212298819002	Caldate:	27-JUL-2022		

Standards: S16736

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	455.5	ug/L	-9	15	15	0.0000	
Aroclor-1260	A			500.0	526.6	ug/L	5	15	15	0.0000	
Decachlorobiphenyl (PCB)	A	0.9358	0.8501	20.00	18.17	ug/L	-9	15	15	0.0000	
TCMX (PCB)	A	0.7796	0.6304	20.00	16.17	ug/L	**-19**	15	15	0.0000	c-
Aroclor-1016	B			500.0	481.2	ug/L	-4	15	15	0.0000	
Aroclor-1260	B			500.0	492.4	ug/L	-2	15	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.0214	0.9096	20.00	17.81	ug/L	-11	15	15	0.0000	
TCMX (PCB)	B	0.9136	0.7594	20.00	16.62	ug/L	**-17**	15	15	0.0000	c-

ISTD (ICAL gc02_072622-045)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4436282	5270587	18.81
1-bromo-2-nitrobenzene (PCB)	A	83889003	99139019	18.18

TRN 07/27/22 : Manually integrated peak for coeluting peak,negative/positive baseline, both/one channel for multiple levels

-=low bias c=CCV

Analyst: TRN 07/27/22 *

Reviewer: LW 07/27/22

Enthalpy Internal Standard Summary for Sequence 212298819

Date:	07/26/22	Reference:	gc02_072622-045
Sequence:	SVOA-GC02 gc02_072622-	Analyzed:	07/27/22 08:21

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	4436282	83889003
		LOWER LIMIT	2218141	41944502
		UPPER LIMIT	8872564	167778007
054	ICV/CCV		5270587	99139019
100	CCV		5305688	99881456

Enthalpy Internal Standard Summary for Sequence 212298819

Date: 07/26/22 Reference: gc02_072622-054
Sequence: SVOA-GC02 gc02_072622- Analyzed: 07/27/22 11:01

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	5270587	99139019
		LOWER LIMIT	2635293	49569510
		UPPER LIMIT	10541174	198278039
068	SAMPLE	465721-001	5570124	85518671
069	SAMPLE	465721-002	4411792	84801905
070	SAMPLE	465846-002	4438602	86804450
071	SAMPLE	465786-001	4341199	81824699
072	SAMPLE	465786-002	5289534	87965672
074	SAMPLE	465778-001	4228823	71195984
076	SAMPLE	465835-001	4073086	67932420
077	BLANK	QC1002660	6205742	57104938
078	BS	QC1002661	4862879	56616122
079	BLANK	QC1002630	4327394	73974196
080	BLANK	QC1002630	4329514	72225109
081	BSD	QC1002662	8054270	81723845
082	SAMPLE	465921-017	5703884	90273286
083	SAMPLE	465921-020	4799529	76914105
084	SAMPLE	465921-022	4730178	76299317
085	SAMPLE	465921-024	4572143	72012679
086	SAMPLE	465921-025	5356595	86745769
087	SAMPLE	465924-001	4549348	73304162
088	SAMPLE	465924-003	4412652	71119853
089	SAMPLE	465944-001	5265837	86124450
090	SAMPLE	465944-003	4817706	76571120
091	SAMPLE	465944-004	5605008	90426481
092	SAMPLE	465944-006	5294957	88019835
093	SAMPLE	465944-008	5828567	95958013
094	SAMPLE	465944-010	4806063	79757858
095	SAMPLE	465944-012	5628669	92790003
096	SAMPLE	465944-014	5133083	85704838
097	SAMPLE	465944-016	5227464	88301682

Enthalpy Internal Standard Summary for Sequence 212298819

Date: 07/26/22 Reference: gc02_072622-054
Sequence: SVOA-GC02 gc02_072622- Analyzed: 07/27/22 11:01

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.14	3.95
		LOWER LIMIT	3.94	3.75
		UPPER LIMIT	4.34	4.15
068	SAMPLE	465721-001	4.14	3.95
069	SAMPLE	465721-002	4.14	3.95
070	SAMPLE	465846-002	4.14	3.95
071	SAMPLE	465786-001	4.14	3.95
072	SAMPLE	465786-002	4.14	3.95
074	SAMPLE	465778-001	4.14	3.95
076	SAMPLE	465835-001	4.14	3.95
077	BLANK	QC1002660	4.14	3.95
078	BS	QC1002661	4.14	3.95
079	BLANK	QC1002630	4.14	3.95
080	BLANK	QC1002630	4.14	3.95
081	BSD	QC1002662	4.14	3.95
082	SAMPLE	465921-017	4.14	3.95
083	SAMPLE	465921-020	4.14	3.95
084	SAMPLE	465921-022	4.14	3.95
085	SAMPLE	465921-024	4.14	3.95
086	SAMPLE	465921-025	4.14	3.95
087	SAMPLE	465924-001	4.14	3.95
088	SAMPLE	465924-003	4.14	3.95
089	SAMPLE	465944-001	4.14	3.95
090	SAMPLE	465944-003	4.14	3.95
091	SAMPLE	465944-004	4.14	3.95
092	SAMPLE	465944-006	4.14	3.95
093	SAMPLE	465944-008	4.14	3.95
094	SAMPLE	465944-010	4.14	3.95
095	SAMPLE	465944-012	4.14	3.95
096	SAMPLE	465944-014	4.14	3.95
097	SAMPLE	465944-016	4.14	3.95

Enthalpy Sequence Summary for Sequence 212298819

Instrument: SVOA-GC02 Begun: 07/26/22 12:19

Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
004	gc02_072622-004	CCV				07/26/22 12:19	1.0	1	
006	gc02_072622-006	PEM				07/26/22 20:47	1.0	2	
033	gc02_072622-033	ICAL				07/27/22 04:47	1.0	3 4	
034	gc02_072622-034	ICAL				07/27/22 05:05	1.0	3 4	
035	gc02_072622-035	ICAL				07/27/22 05:23	1.0	3 4	
036	gc02_072622-036	ICAL				07/27/22 05:41	1.0	3 4	
037	gc02_072622-037	ICAL				07/27/22 05:58	1.0	3 4	
038	gc02_072622-038	ICAL				07/27/22 06:16	1.0	3 4	
039	gc02_072622-039	ICAL				07/27/22 06:34	1.0	3 4	
040	gc02_072622-040	ICAL				07/27/22 06:52	1.0	3 4	
042	gc02_072622-042	ICV				07/27/22 07:27	1.0	5	
044	gc02_072622-044	ICAL				07/27/22 08:03	1.0	6 4	
045	gc02_072622-045	ICAL				07/27/22 08:21	1.0	6 4	
046	gc02_072622-046	ICAL				07/27/22 08:38	1.0	6 4	
047	gc02_072622-047	ICAL				07/27/22 08:56	1.0	6 4	
048	gc02_072622-048	ICAL				07/27/22 09:14	1.0	6 4	
049	gc02_072622-049	ICAL				07/27/22 09:32	1.0	6 4	
050	gc02_072622-050	ICAL				07/27/22 09:50	1.0	6 4	
051	gc02_072622-051	ICAL				07/27/22 10:07	1.0	6 4	
052	gc02_072622-052	ICAL				07/27/22 10:25	1.0	6 4	
054	gc02_072622-054	ICV/CCV				07/27/22 11:01	1.0	7	
060	gc02_072622-060	PEM				07/27/22 11:47	1.0	2	
061	gc02_072622-061	CCV				07/27/22 12:06	1.0	8	
062	gc02_072622-062	ICAL				07/27/22 12:24	1.0	9	
068	gc02_072622-068	SAMPLE	465721-001	Miscell.	293708	07/27/22 14:12	1.0	10	
069	gc02_072622-069	SAMPLE	465721-002	Miscell.	293708	07/27/22 14:29	1.0	10	
070	gc02_072622-070	SAMPLE	465846-002	Soil	293708	07/27/22 14:47	2.0	10	
071	gc02_072622-071	SAMPLE	465786-001	Miscell.	293708	07/27/22 15:05	1.0	10	
072	gc02_072622-072	SAMPLE	465786-002	Miscell.	293708	07/27/22 15:23	1.0	10	
073	gc02_072622-073	SAMPLE	465778-001	Soil	293708	07/27/22 15:41	5.0	10	
074	gc02_072622-074	SAMPLE	465778-001	Soil	293708	07/27/22 15:59	2.0	10	
075	gc02_072622-075	SAMPLE	465816-002	Soil	293708	07/27/22 16:17	5.0	10	
076	gc02_072622-076	SAMPLE	465835-001	Soil	293708	07/27/22 16:35	2.0	10	
077	gc02_072622-077	BLANK	QC1002660	Wipe	293716	07/27/22 16:52	1.0	10	
078	gc02_072622-078	BS	QC1002661	Wipe	293716	07/27/22 17:10	1.0	10	
079	gc02_072622-079	BLANK	QC1002630	Soil	293708	07/27/22 17:28	1.0	10	
080	gc02_072622-080	BLANK	QC1002630	Soil	293708	07/27/22 17:46	1.0	10	
081	gc02_072622-081	BSD	QC1002662	Wipe	293716	07/27/22 18:04	1.0	10	
082	gc02_072622-082	SAMPLE	465921-017	Wipe	293716	07/27/22 18:22	1.0	10	
083	gc02_072622-083	SAMPLE	465921-020	Wipe	293716	07/27/22 18:40	1.0	10	
084	gc02_072622-084	SAMPLE	465921-022	Wipe	293716	07/27/22 18:58	1.0	10	
085	gc02_072622-085	SAMPLE	465921-024	Wipe	293716	07/27/22 19:15	1.0	10	
086	gc02_072622-086	SAMPLE	465921-025	Wipe	293716	07/27/22 19:33	1.0	10	
087	gc02_072622-087	SAMPLE	465924-001	Wipe	293716	07/27/22 19:51	1.0	10	
088	gc02_072622-088	SAMPLE	465924-003	Wipe	293716	07/27/22 20:09	1.0	10	
089	gc02_072622-089	SAMPLE	465944-001	Wipe	293716	07/27/22 20:27	1.0	10	
090	gc02_072622-090	SAMPLE	465944-003	Wipe	293716	07/27/22 20:45	1.0	10	
091	gc02_072622-091	SAMPLE	465944-004	Wipe	293716	07/27/22 21:02	1.0	10	
092	gc02_072622-092	SAMPLE	465944-006	Wipe	293716	07/27/22 21:20	1.0	10	
093	gc02_072622-093	SAMPLE	465944-008	Wipe	293716	07/27/22 21:38	1.0	10	

Enthalpy Sequence Summary for Sequence 212298819

Instrument: SVOA-GC02 Begun: 07/26/22 12:19
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
094	gc02_072622-094	SAMPLE	465944-010	Wipe	293716	07/27/22 21:56	1.0	10	
095	gc02_072622-095	SAMPLE	465944-012	Wipe	293716	07/27/22 22:13	1.0	10	
096	gc02_072622-096	SAMPLE	465944-014	Wipe	293716	07/27/22 22:31	1.0	10	
097	gc02_072622-097	SAMPLE	465944-016	Wipe	293716	07/27/22 22:49	1.0	10	
100	gc02_072622-100	CCV				07/27/22 23:42	1.0	1	
113	gc02_072622-113	SAMPLE	465944-019	Wipe	293716	07/28/22 03:33	1.0	10	
114	gc02_072622-114	SAMPLE	466048-001	Soil	293708	07/28/22 03:51	1.0	10	
115	gc02_072622-115	SAMPLE	466048-005	Soil	293708	07/28/22 04:09	1.0	10	
116	gc02_072622-116	SAMPLE	466048-010	Soil	293708	07/28/22 04:27	1.0	10	
117	gc02_072622-117	SAMPLE	466048-016	Soil	293708	07/28/22 04:45	1.0	10	
118	gc02_072622-118	SAMPLE	466048-019	Soil	293708	07/28/22 05:02	1.0	10	
119	gc02_072622-119	SAMPLE	466048-022	Soil	293708	07/28/22 05:20	1.0	10	
120	gc02_072622-120	PEM				07/28/22 05:38	1.0	2	
121	gc02_072622-121	CCV				07/28/22 05:56	1.0	8	1:MTXYCL=250
122	gc02_072622-122	MSS	466115-001	Soil	293745	07/28/22 06:13	1.0	10	
123	gc02_072622-123	BLANK	QC1002760	Miscell.	293745	07/28/22 06:31	1.0	10	
124	gc02_072622-124	LCS	QC1002764	Miscell.	293745	07/28/22 06:49	1.0	10	
125	gc02_072622-125	MS	QC1002765	Soil	293745	07/28/22 07:07	1.0	10	
126	gc02_072622-126	MSD	QC1002766	Soil	293745	07/28/22 07:24	1.0	10	
127	gc02_072622-127	SAMPLE	465863-001	Miscell.	293745	07/28/22 07:42	1.0	10	
128	gc02_072622-128	SAMPLE	465863-002	Miscell.	293745	07/28/22 08:00	1.0	10	
129	gc02_072622-129	SAMPLE	465913-001	Miscell.	293745	07/28/22 08:18	1.0	10	
130	gc02_072622-130	SAMPLE	465913-002	Miscell.	293745	07/28/22 08:35	1.0	10	
131	gc02_072622-131	SAMPLE	466083-002	Soil	293745	07/28/22 08:53	2.0	10	
132	gc02_072622-132	SAMPLE	466108-001	Miscell.	293745	07/28/22 09:11	1.0	10	
133	gc02_072622-133	SAMPLE	466108-002	Miscell.	293745	07/28/22 09:29	1.0	10	
134	gc02_072622-134	SAMPLE	466108-003	Miscell.	293745	07/28/22 09:47	1.0	10	
135	gc02_072622-135	SAMPLE	466108-004	Miscell.	293745	07/28/22 10:04	1.0	10	
136	gc02_072622-136	SAMPLE	466108-005	Miscell.	293745	07/28/22 10:22	1.0	10	
137	gc02_072622-137	BLANK	QC1002760	Miscell.	293745	07/28/22 10:40	1.0	10	
138	gc02_072622-138	LCS	QC1002764	Miscell.	293745	07/28/22 10:58	1.0	10	

TRN 07/27/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 04 through 06.

TRN 07/28/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 33 through 138.

Standards Used:
1=S17006 2=S17018 3=S16478 4=S17010 5=S17142 6=S17023 7=S16736 8=S17019 9=S17011 10=S16725

SAMPLE PREPARATION SUMMARY

Batch # : 293716
Started By : SME
Prep Date : 25-JUL-2022 12:57
Method : 3572M
Spike #1 ID : S17087
Spike #2 ID : S17022
Analysis : 8080
Finished By : SME
Units : dm2

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
465921-017		Wipe	1	20	1	20.0		1				PCB	
465921-020		Wipe	1	20	1	20.0		1				PCB	
465921-022		Wipe	1	20	1	20.0		1				PCB	
465921-024		Wipe	1	20	1	20.0		1				PCB	
465921-025		Wipe	1	20	1	20.0		1				PCB	
465924-001		Wipe	1	20	1	20.0		1				PCB	
465924-003		Wipe	1	20	1	20.0		1				PCB	
465944-001		Wipe	1	20	1	20.0		1				PCB	
465944-003		Wipe	1	20	1	20.0		1				PCB	
465944-004		Wipe	1	20	1	20.0		1				PCB	
465944-006		Wipe	1	20	1	20.0		1				PCB	
465944-008		Wipe	1	20	1	20.0		1				PCB	
465944-010		Wipe	1	20	1	20.0		1				PCB	
465944-012		Wipe	1	20	1	20.0		1				PCB	
465944-014		Wipe	1	20	1	20.0		1				PCB	
465944-016		Wipe	1	20	1	20.0		1				PCB	
465944-019		Wipe	1	20	1	20.0		1				PCB	
QC1002660	BLANK	Wipe	1	10	1	10.0		.5				8080	
QC1002661	BS	Wipe	1	10	1	10.0		.5	.5			8080	
QC1002662	BSD	Wipe	1	10	1	10.0		.5	.5			8080	

TRN 07/28/22 : BS/D verify the batch

Analyst: TRN Date: 07/28/22 Reviewer: LW Date: 07/28/22

8081/8082 Prep Log

Date/Time: 07/25/22 12:57 Initials: SME

3572M 1-6-23 MAG

608 QC Batch#: _____

Matrix: Wipes Prep Method: ~~3580~~ Balance ID: NIA

8081 QC Batch #: _____

8082 QC Batch #: 293716

Sample ID	Cont. ID	Sample Initial Amount Circle one: (S) mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Witness ID	Comment
Blank		Wipe	NIA	SH3	NIA	10.0			
LCS									
LCSD									
465921-017	A					20.0			Surr. 1000 µL
-020									
-022									
-024									
-025									
465924-001									
-003									
465944-001									
-003									
-004									
-006									
-008									
-010									
-012									
-014									
-016									
-019									

Methylene Chloride Lot: NIA

Exchange Solvent (Hexane) ID: S17103

Acetone-Hexane Mix ID: NIA

Sodium Sulfate Lot: NIA

Baked Sand Lot: NIA

Surrogate ID: S17087 Volume: 500 µL

Pest LCS Spike ID: _____ Volume: _____ µL

PCB LCS Spike ID: S17022 Volume: 500 µL

Pest MS/MSD Spike ID: _____ Volume: _____ µL

PCB MS/MSD Spike ID: _____ Volume: _____ µL

8081/8082 Prep Log

Date/Time: 07/25/22 12:57 Initials: SME

608 QC Batch#: _____

3572M 1-6-23 MAG

8081 QC Batch #: _____

Matrix: Wipes Prep Method: 3580 Balance ID: N/A

8082 QC Batch #: 293716

Sample ID	Cont. ID	Sample Initial Amount Circle one: (g) mL g cm	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Witness ID	Comment
Blank		wipe	N/A	SH3	N/A	10.0			
LCS		1 dm^2				↓			
LCSD						↓			
465921-017	A					20.0			surr. 1000 µL
-020	↓					↓			↓
-022									
-024									
-025									
465924-001									
-003									
465944-001									
-003									
-004									
-006									
-008									
-010									
-012									
-014									
-016									
-019	↓	↓		↓		↓			↓

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: S17103

Acetone-Hexane Mix ID: N/A

Sodium Sulfate Lot: N/A

Baked Sand Lot: N/A

Surrogate ID: S17087 Volume: 500 µL

Pest LCS Spike ID: _____ Volume: _____ µL

PCB LCS Spike ID: S17022 Volume: 500 µL

Pest MS/MSD Spike ID: _____ Volume: _____ µL

PCB MS/MSD Spike ID: _____ Volume: _____ µL

REPORTING SUMMARY FOR 465924 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
465924-001	Aroclor-1016	SVOA-GC02	B	07/27/22 19:51
465924-001	Aroclor-1221	SVOA-GC02	B	07/27/22 19:51
465924-001	Aroclor-1232	SVOA-GC02	B	07/27/22 19:51
465924-001	Aroclor-1242	SVOA-GC02	B	07/27/22 19:51
465924-001	Aroclor-1248	SVOA-GC02	B	07/27/22 19:51
465924-001	Aroclor-1254	SVOA-GC02	B	07/27/22 19:51
465924-001	Aroclor-1260	SVOA-GC02	B	07/27/22 19:51
465924-001	Aroclor-1262	SVOA-GC02	B	07/27/22 19:51
465924-001	Aroclor-1268	SVOA-GC02	B	07/27/22 19:51
465924-001	TCMX (PCB)	SVOA-GC02	B	07/27/22 19:51
465924-001	Decachlorobiphenyl (PCB)	SVOA-GC02	B	07/27/22 19:51
465924-003	Aroclor-1016	SVOA-GC02	B	07/27/22 20:09
465924-003	Aroclor-1221	SVOA-GC02	B	07/27/22 20:09
465924-003	Aroclor-1232	SVOA-GC02	B	07/27/22 20:09
465924-003	Aroclor-1242	SVOA-GC02	B	07/27/22 20:09
465924-003	Aroclor-1248	SVOA-GC02	B	07/27/22 20:09
465924-003	Aroclor-1254	SVOA-GC02	B	07/27/22 20:09
465924-003	Aroclor-1260	SVOA-GC02	B	07/27/22 20:09
465924-003	Aroclor-1262	SVOA-GC02	B	07/27/22 20:09
465924-003	Aroclor-1268	SVOA-GC02	B	07/27/22 20:09
465924-003	TCMX (PCB)	SVOA-GC02	B	07/27/22 20:09
465924-003	Decachlorobiphenyl (PCB)	SVOA-GC02	B	07/27/22 20:09
QC1002660	Aroclor-1016	SVOA-GC02	B	07/27/22 16:52
QC1002660	Aroclor-1221	SVOA-GC02	B	07/27/22 16:52
QC1002660	Aroclor-1232	SVOA-GC02	B	07/27/22 16:52
QC1002660	Aroclor-1242	SVOA-GC02	B	07/27/22 16:52
QC1002660	Aroclor-1248	SVOA-GC02	B	07/27/22 16:52
QC1002660	Aroclor-1254	SVOA-GC02	B	07/27/22 16:52
QC1002660	Aroclor-1260	SVOA-GC02	B	07/27/22 16:52
QC1002660	Aroclor-1262	SVOA-GC02	B	07/27/22 16:52
QC1002660	Aroclor-1268	SVOA-GC02	B	07/27/22 16:52
QC1002660	TCMX (PCB)	SVOA-GC02	B	07/27/22 16:52
QC1002660	Decachlorobiphenyl (PCB)	SVOA-GC02	B	07/27/22 16:52
QC1002661	Aroclor-1016	SVOA-GC02	B	07/27/22 17:10
QC1002661	Aroclor-1260	SVOA-GC02	B	07/27/22 17:10
QC1002661	TCMX (PCB)	SVOA-GC02	B	07/27/22 17:10
QC1002661	Decachlorobiphenyl (PCB)	SVOA-GC02	B	07/27/22 17:10
QC1002662	Aroclor-1016	SVOA-GC02	B	07/27/22 18:04
QC1002662	Aroclor-1260	SVOA-GC02	B	07/27/22 18:04
QC1002662	TCMX (PCB)	SVOA-GC02	B	07/27/22 18:04
QC1002662	Decachlorobiphenyl (PCB)	SVOA-GC02	B	07/27/22 18:04

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC02	Lab ID:	465924-001	Client ID:	DOOR-N-0.1GW-DG-3 TO 16-220718-P-LA
Seqnum:	212298819087	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc02_072622-087	Batch:	293716	Time:	27-JUL-2022 19:51
Cal:	212298819002	Caldate:	27-JUL-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	20.27	ND	0.85	71%	1.0		u
Aroclor-1016 Peak # 1	B	34.12	0.68	1.43	71%			
Aroclor-1016 Peak # 2	B	33.02	0.66	0.88	29%			
Aroclor-1016 Peak # 3	B	30.37	0.61	1.47	83%			
Aroclor-1016 Peak # 4	B	3.205	0.06	0.38	142%			
Aroclor-1016 Peak # 5	B	0.6213	0.01	0.10	157%			
Aroclor-1221	B		ND			1.0		u
Aroclor-1232	B		ND			1.0		u
Aroclor-1242	B		ND			1.0		u
Aroclor-1248	B		ND			1.0		u
Aroclor-1254	B		ND			1.0		u
Aroclor-1260	B	2.635	ND	0.23	125%	1.0		u
Aroclor-1260 Peak # 1	B	0.8842	0.02	0.39	182%			
Aroclor-1260 Peak # 2	B	0.2842	0.01	0.06	166%			
Aroclor-1260 Peak # 3	B	5.509	0.11	0.02	137%			
Aroclor-1260 Peak # 4	B	3.012	0.06	0.58	162%			
Aroclor-1260 Peak # 5	B	3.484	0.07	0.09	26%			
Aroclor-1262	B		ND			1.0		u
Aroclor-1268	B		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	33.51	1.000	0.6702	67	52-186	c- u
Decachlorobiphenyl (PCB)	B	31.74	1.000	0.6347	63	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (ICV/CCV gc02_072622-054)	Ch	ICV/CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5270587	4549348	-13.68
1-bromo-2-nitrobenzene (PCB)	A	99139019	73304162	-26.06

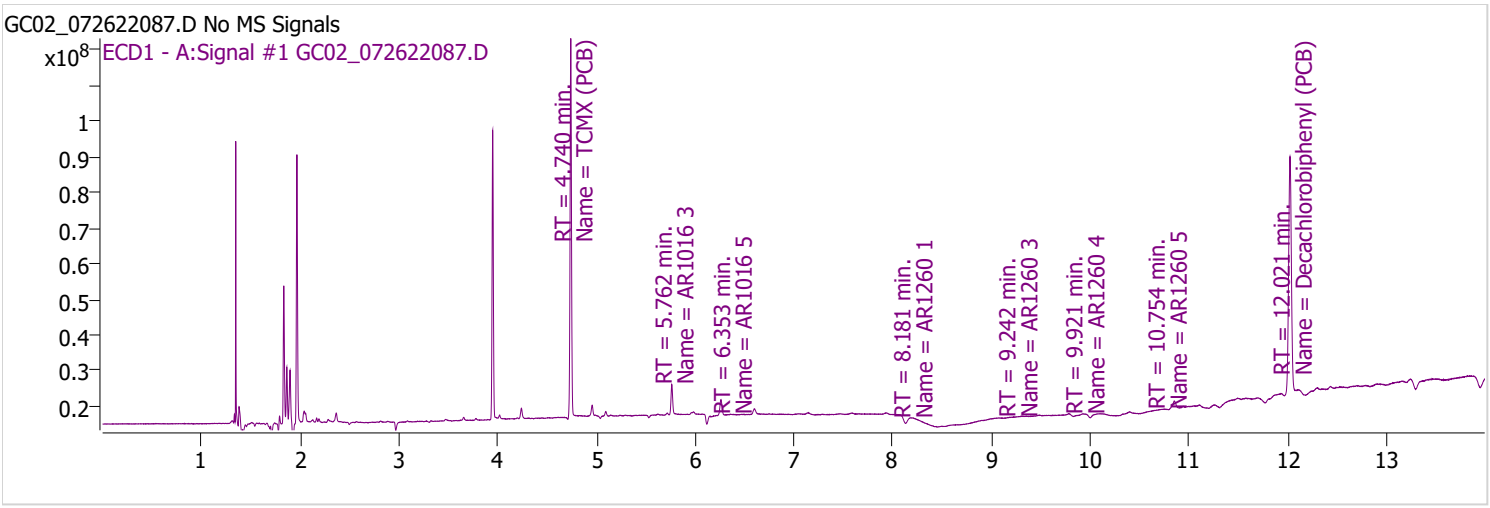
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

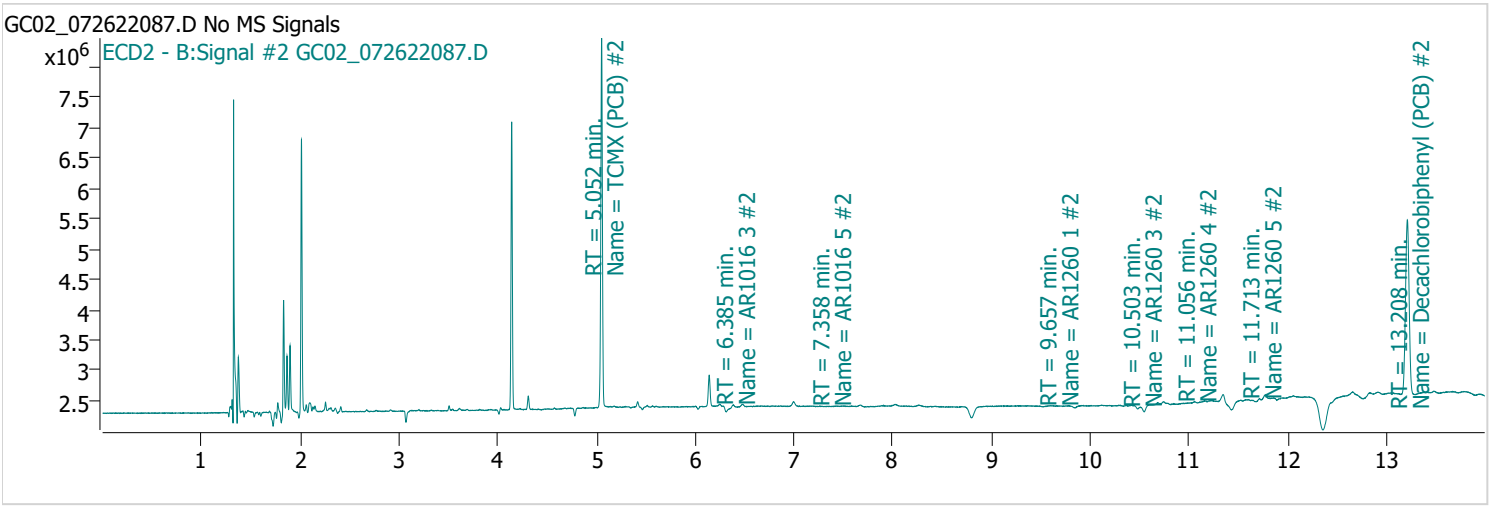
ISTD (ICV/CCV gc02_072622-054)	Ch	ICV/CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.14	4.14	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.95	3.95	0.00

Analyst: TRN 07/28/22 **Reviewer:** LW 07/28/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_072622087.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	7/27/2022 7:51:34 PM
Sample Name	465924-001, 293716, 1	Instrument	SVOA-GC02
Vial	18	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_1.m	Comment	WIPE/1dm2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	072622PCB2.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



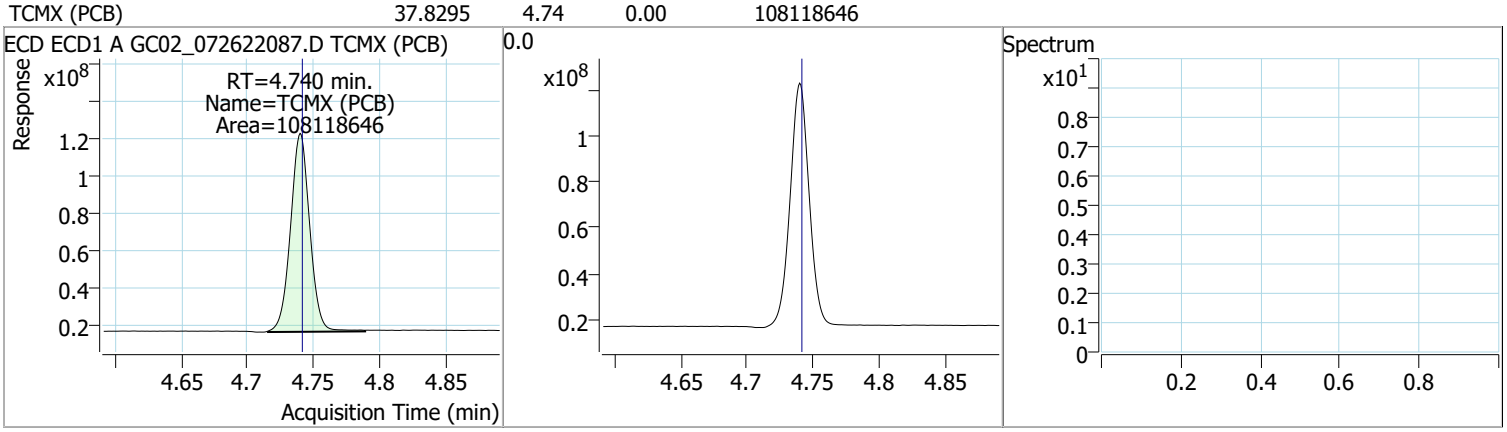


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.950	0.0	73304162.218	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.141	0.0	4549347.712	20.0000	ng/ml		-0.003
System Monitoring Compounds							
S TCMX (PCB)	4.740	0.0	108118646.369	37.8295	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 189.15%		*	
S TCMX (PCB) #2	5.052	0.0	6964069.196	33.5017	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 167.51%		*	
S Decachlorobiphenyl (PCB)	12.021	0.0	131871488.027	38.4351	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 192.18%		*	
S Decachlorobiphenyl (PCB) #2	13.208	0.0	7373692.442	31.7292	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 158.65%		*	
Target Compounds							QValue

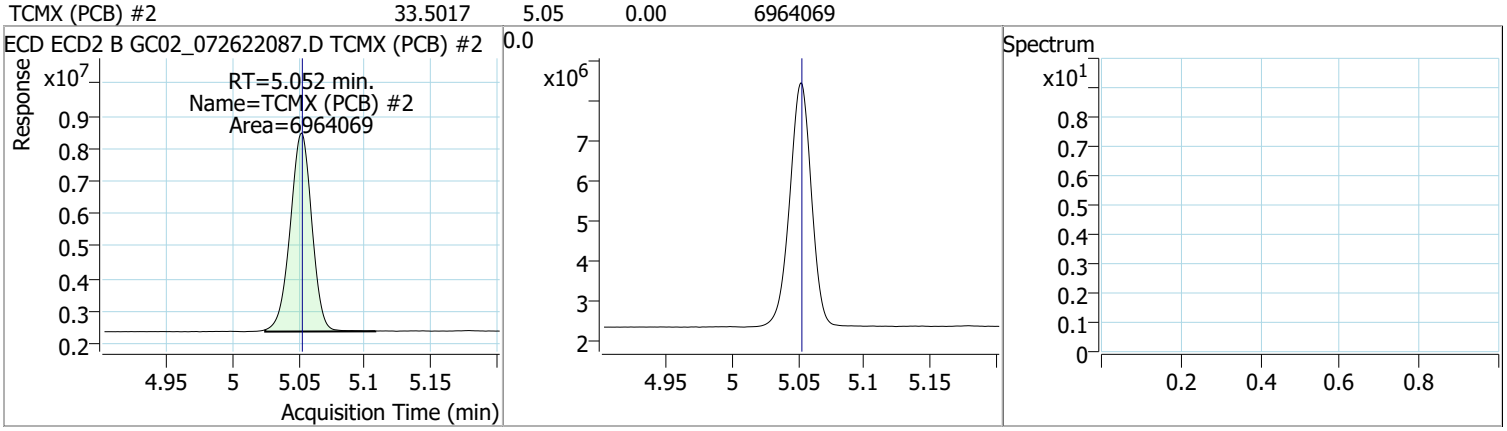
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.095	0.0	3443050.350	71.5528	ng/ml	100
T AR1016 2	5.458	0.0	4104705.354	44.1853	ng/ml	100
T AR1016 1 #2	5.514	0.0	146199.737	34.1074	ng/ml	100
T AR1016 3	5.762	0.0	10703556.134	73.3626	ng/ml	100
T AR1016 2 #2	6.001	0.0	290167.476	33.0084	ng/ml	100
T AR1016 4	5.983	0.0	1621182.727	18.9922	ng/ml	100
T AR1016 5	6.353	0.0	389001.824	5.2021	ng/ml	100
T AR1016 3 #2	6.385	0.0	330738.057	30.3660	ng/ml	100
T AR1016 4 #2	6.556	0.0	24696.972	3.2043	ng/ml	100
T AR1016 5 #2	7.358	0.0	3897.162	0.6212	ng/ml	100
T AR1260 1	8.181	0.0	2896594.206	19.2796	ng/ml	100
T AR1260 2	8.633	0.0	709752.283	3.0478	ng/ml	100
T AR1260 3	9.242	0.0	280312.754	1.0210	ng/ml	100
T AR1260 1 #2	9.657	0.0	11406.313	0.8840	ng/ml	100
T AR1260 4	9.921	0.0	3604105.616	29.0020	ng/ml	100
T AR1260 2 #2	10.033	0.0	4012.279	0.2842	ng/ml	100
T AR1260 3 #2	10.503	0.0	102835.186	5.5075	ng/ml	100
T AR1260 5	10.754	0.0	818976.309	4.5312	ng/ml	100
T AR1260 4 #2	11.056	0.0	31386.425	3.0117	ng/ml	100
T AR1260 5 #2	11.713	0.0	52102.868	3.4837	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

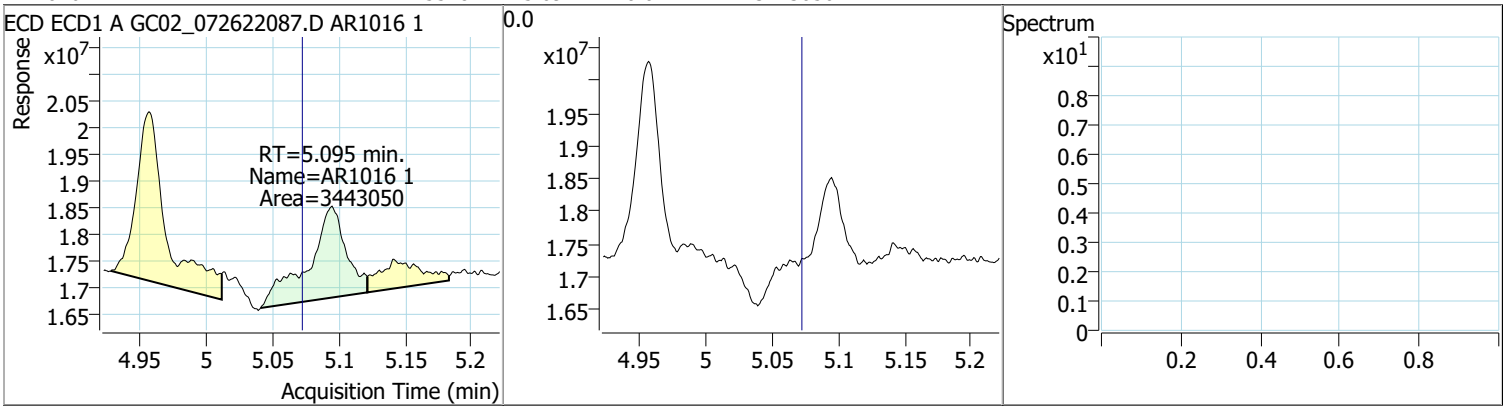
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.8295	4.74	0.00	108118646				



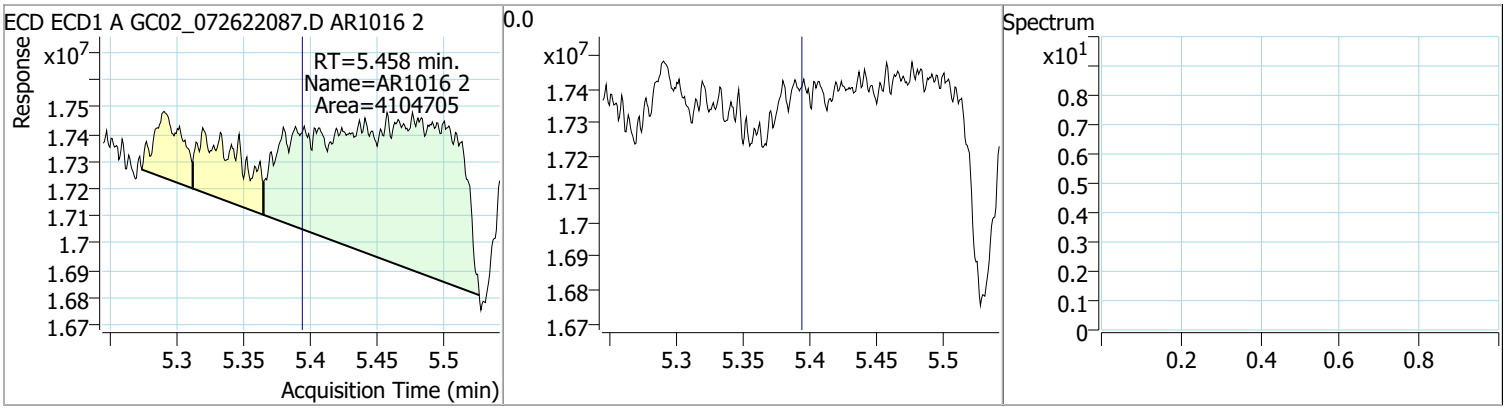
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	33.5017	5.05	0.00	6964069				



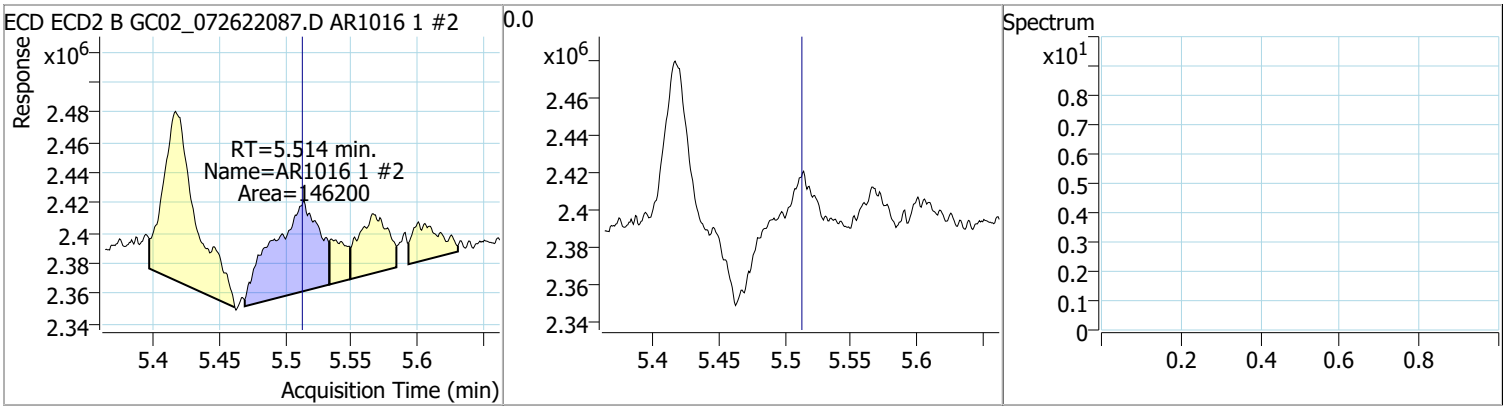
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	71.5528	5.09	0.02	3443050				



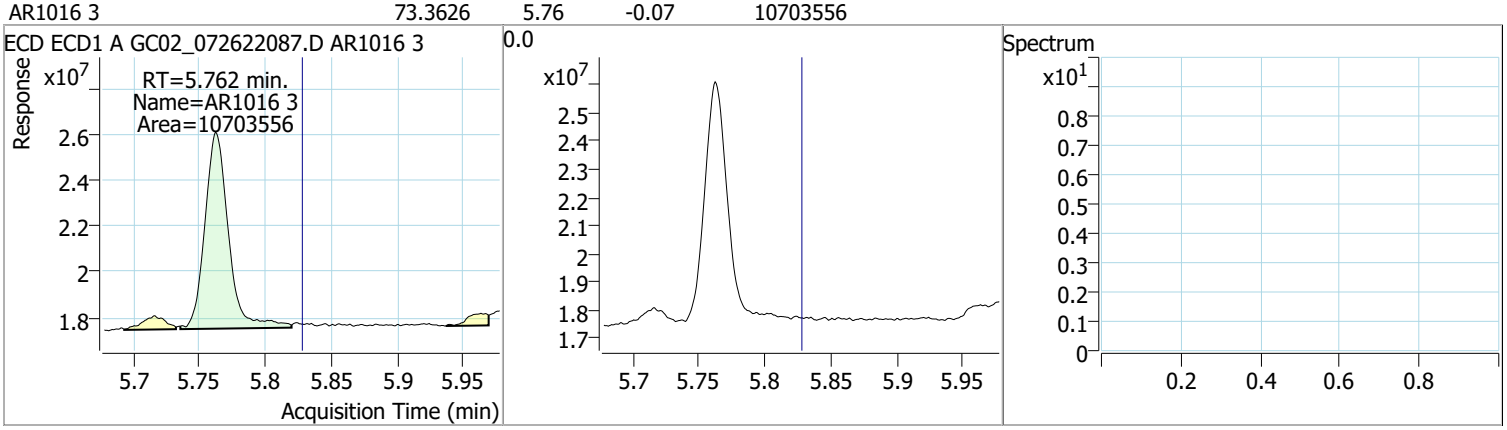
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	44.1853	5.46	0.06	4104705				



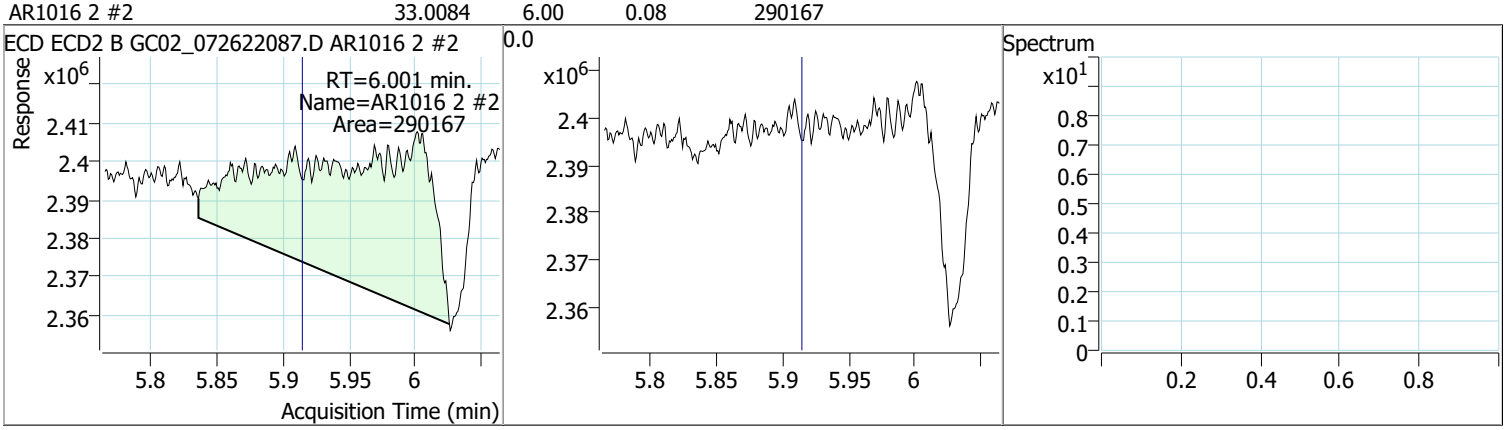
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	34.1074	5.51	0.00	146200				



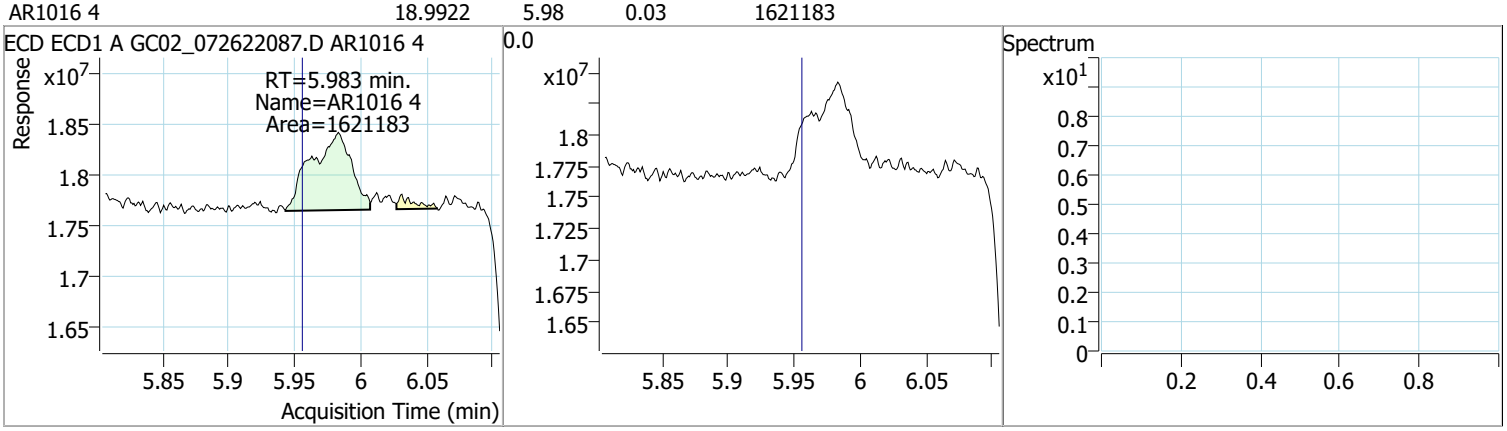
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	73.3626	5.76	-0.07	10703556				



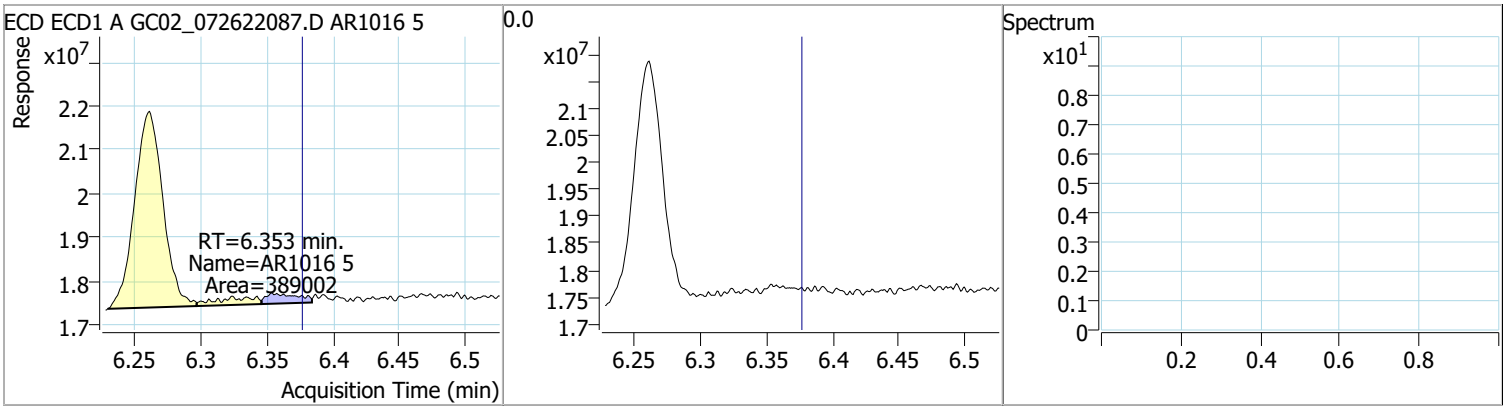
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	33.0084	6.00	0.08	290167				



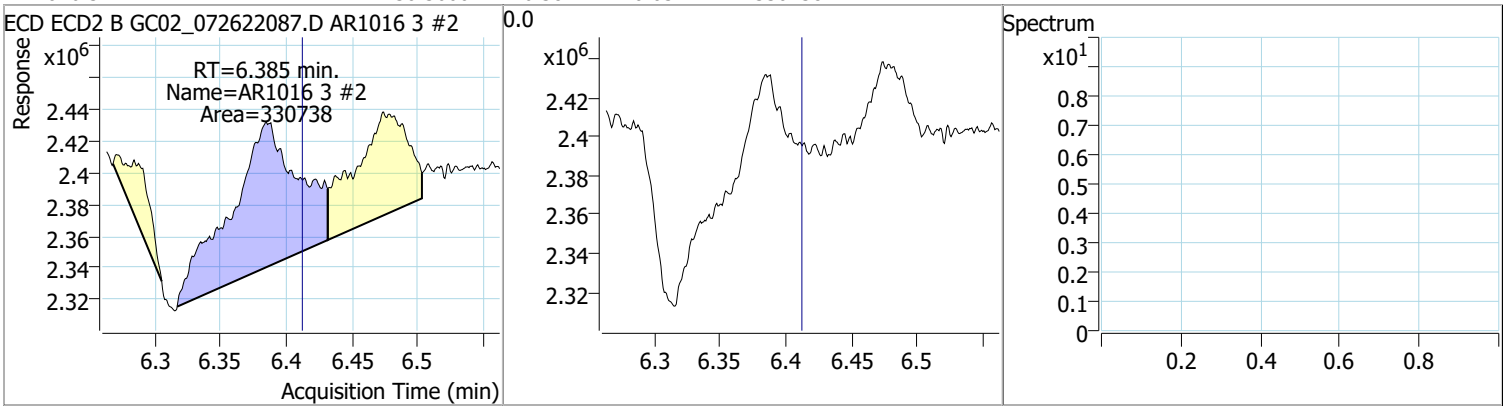
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	18.9922	5.98	0.03	1621183				



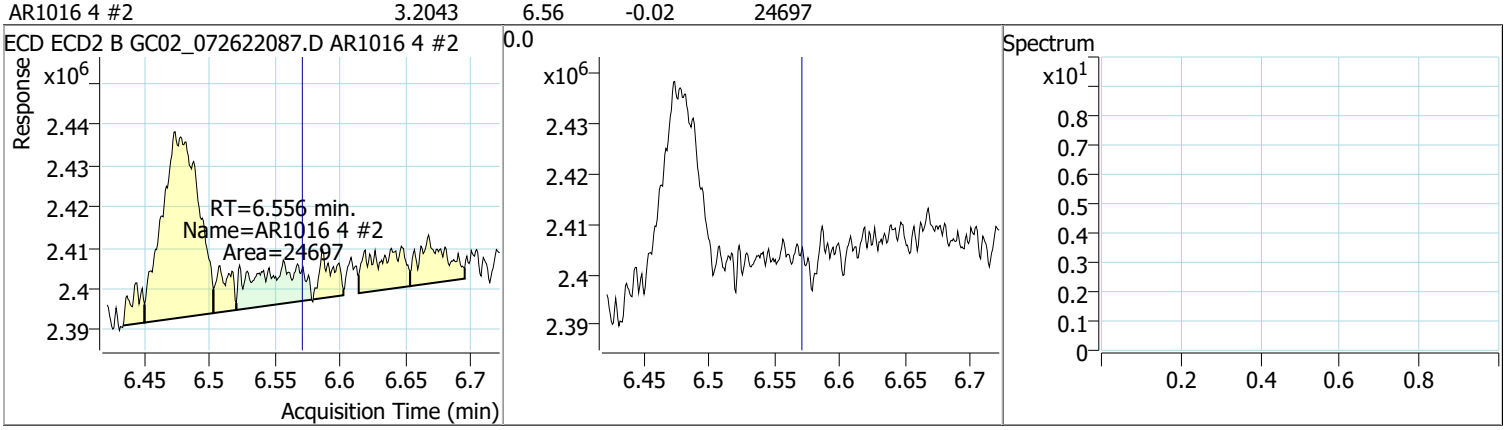
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	5.2021	6.35	-0.03	389002				



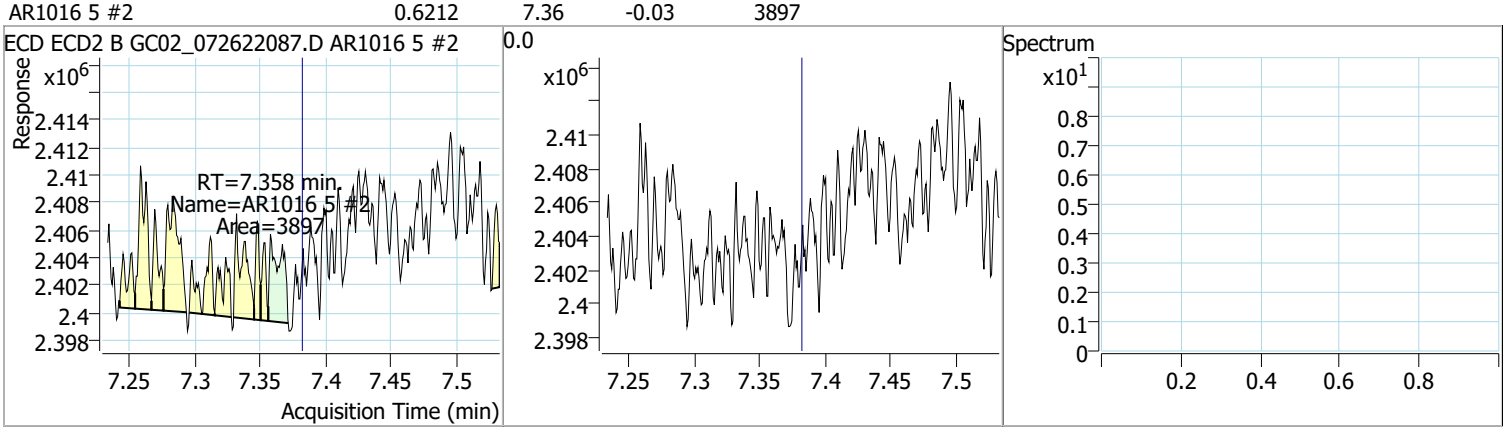
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	30.3660	6.38	-0.03	330738				



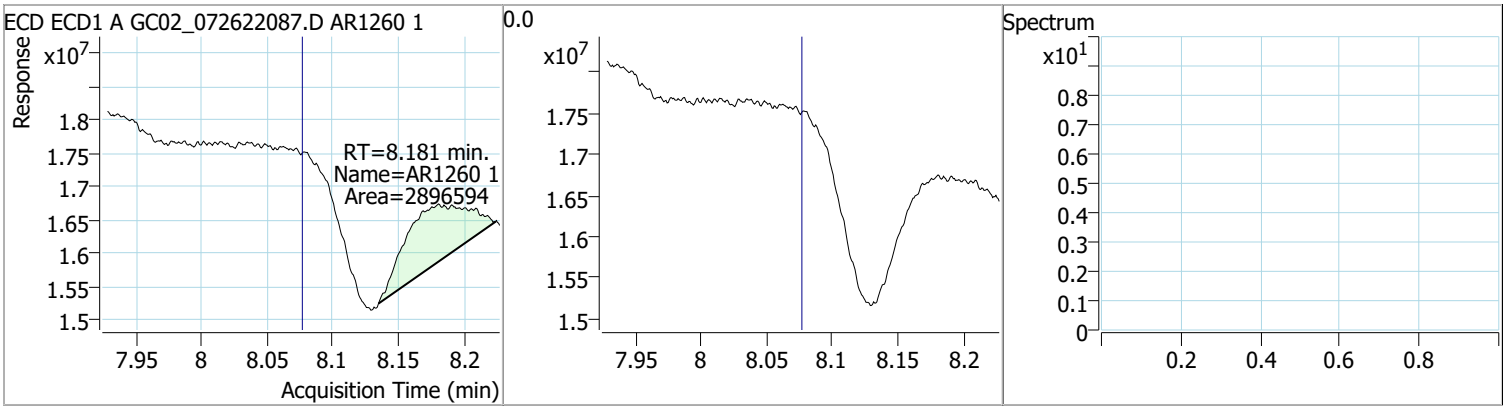
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	3.2043	6.56	-0.02	24697				



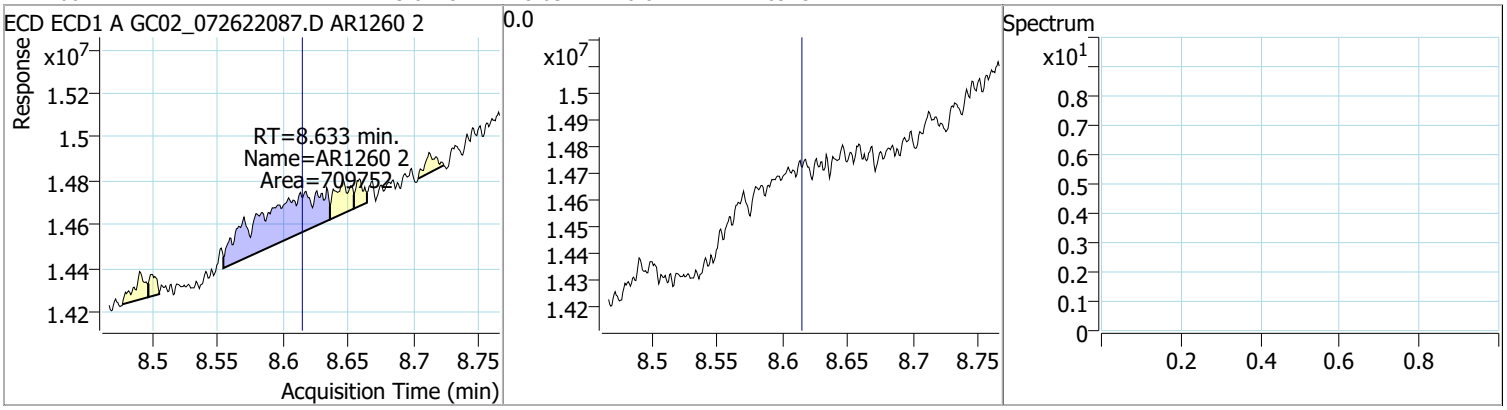
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.6212	7.36	-0.03	3897				



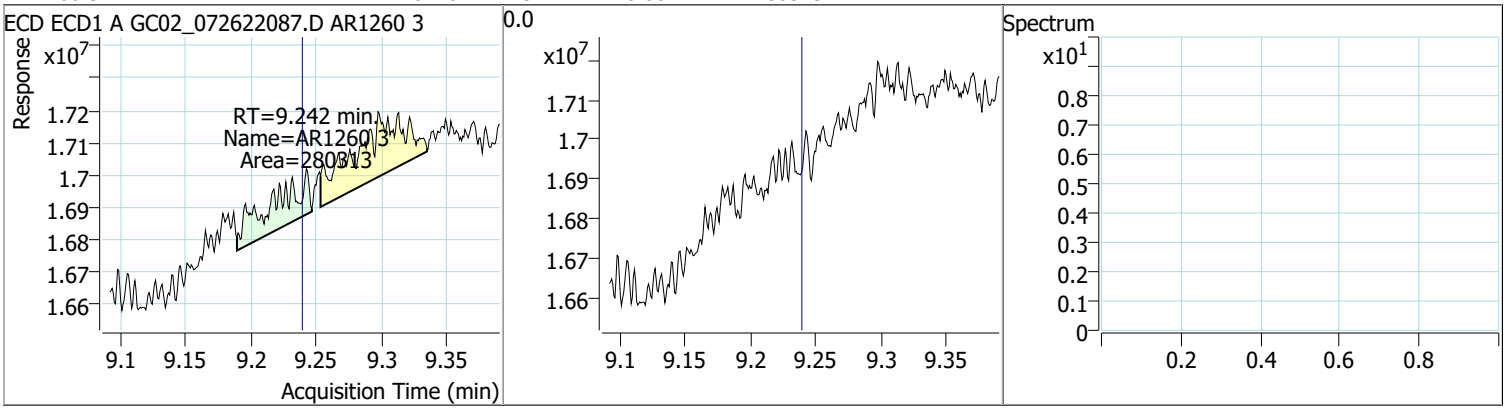
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	19.2796	8.18	0.10	2896594				



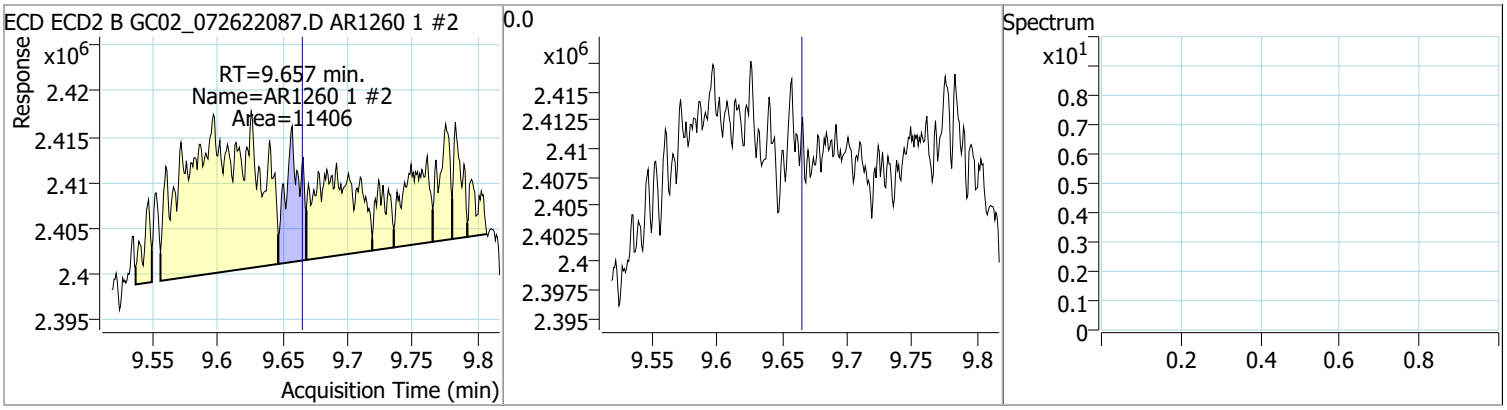
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	3.0478	8.63	0.02	709752				



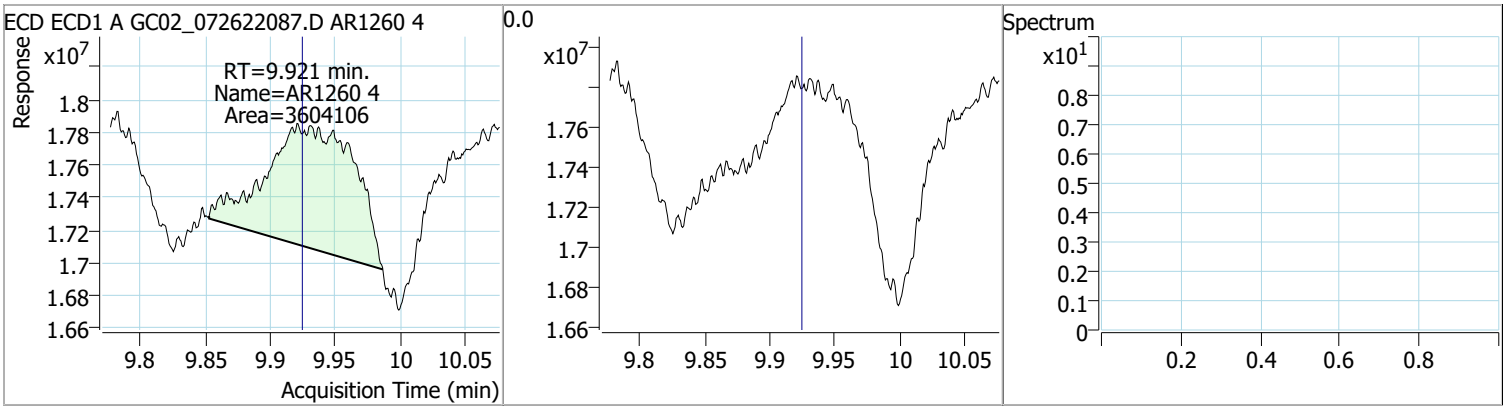
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1.0210	9.24	0.00	280313				



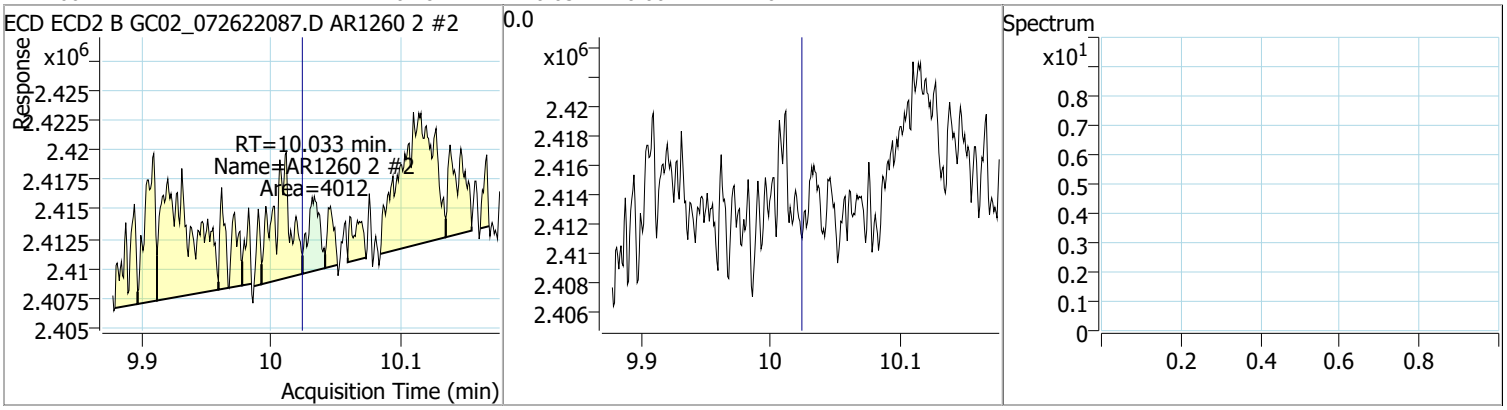
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.8840	9.66	-0.01	11406				



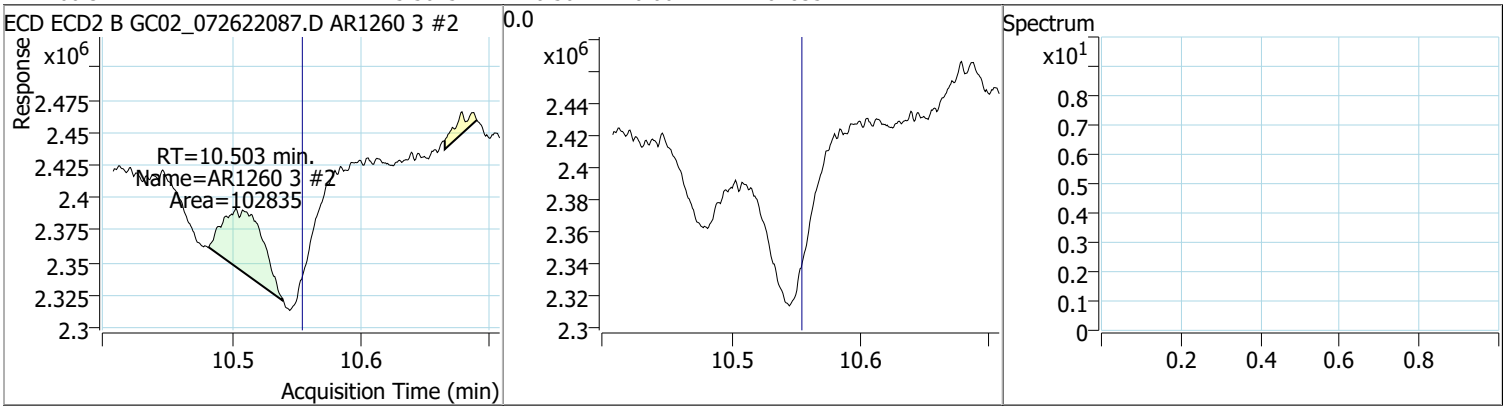
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	29.0020	9.92	-0.01	3604106				



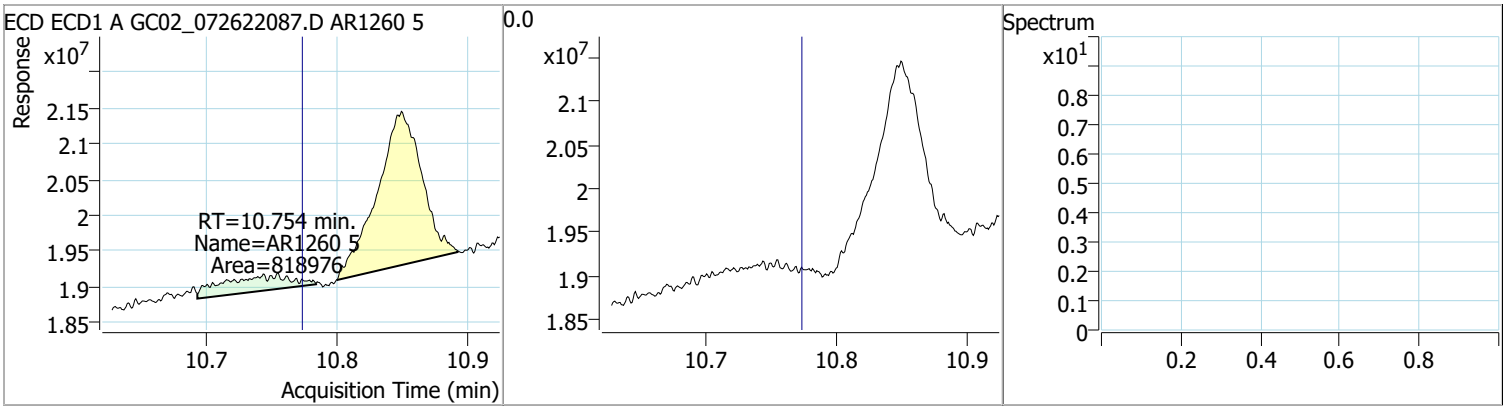
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.2842	10.03	0.00	4012				



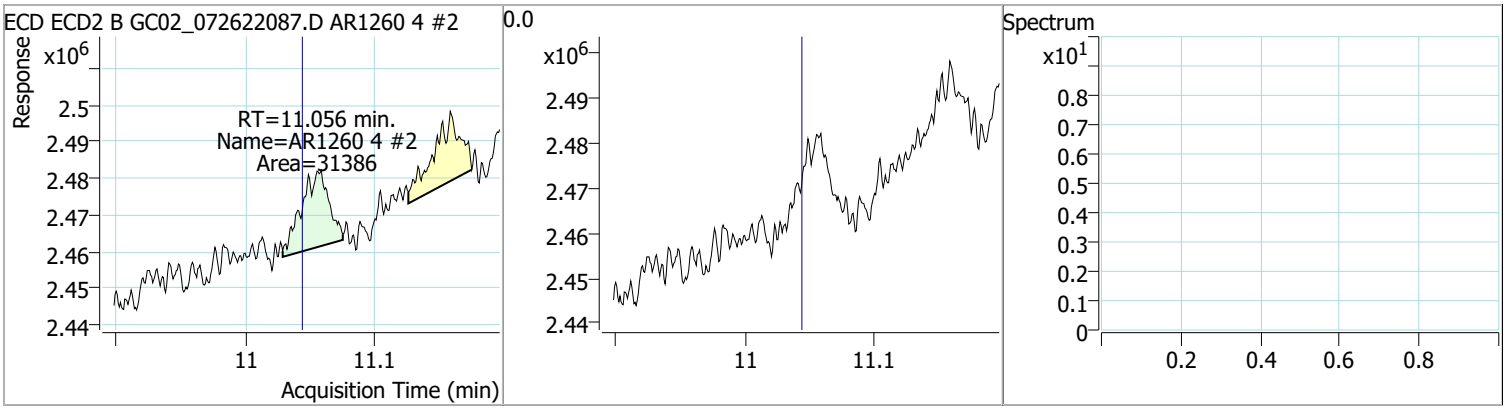
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	5.5075	10.50	-0.06	102835				



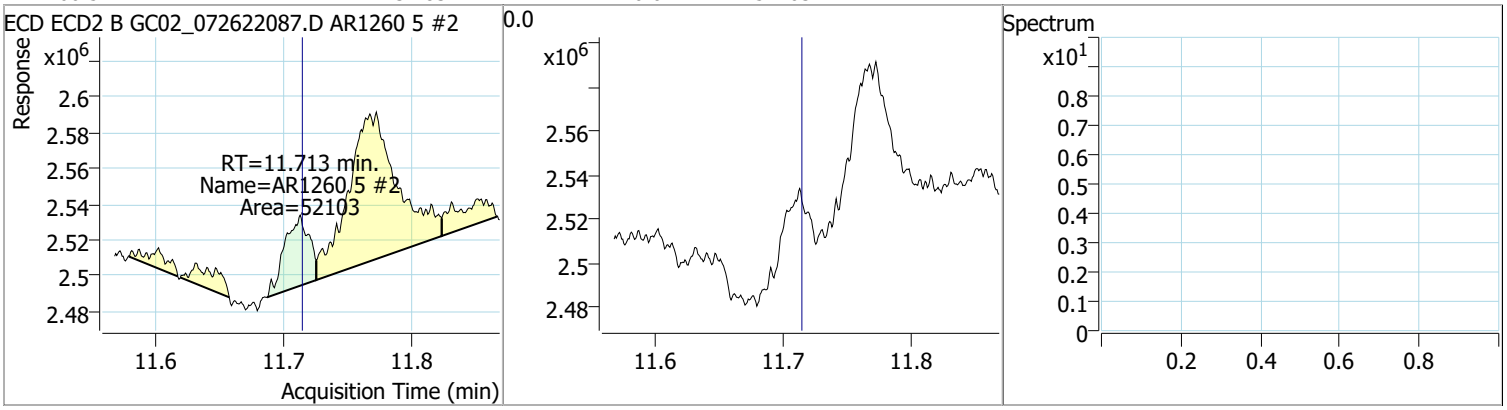
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	4.5312	10.75	-0.02	818976				



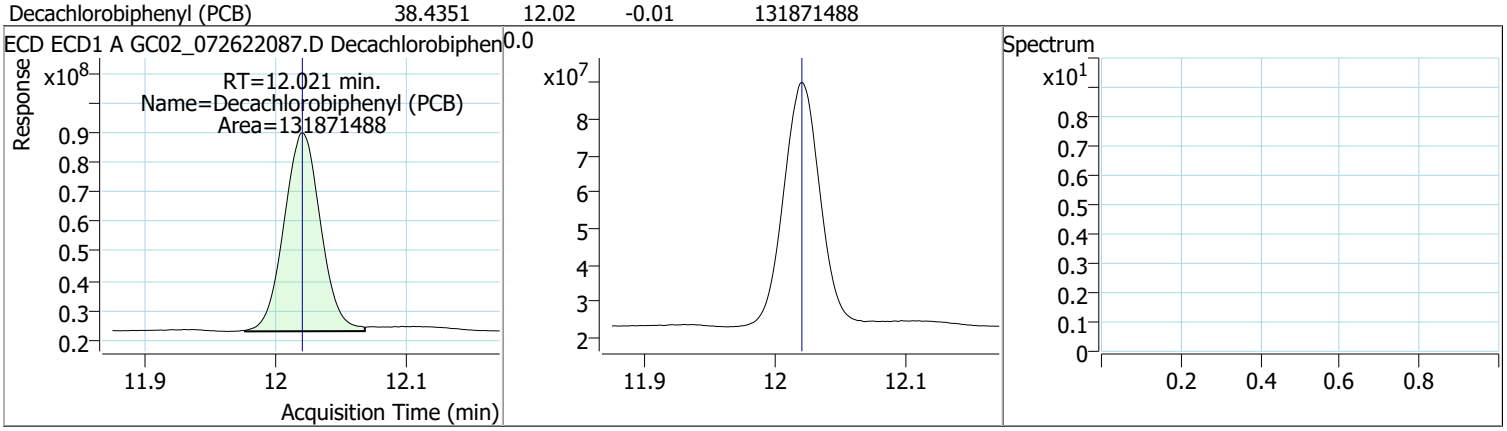
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	3.0117	11.06	0.01	31386				



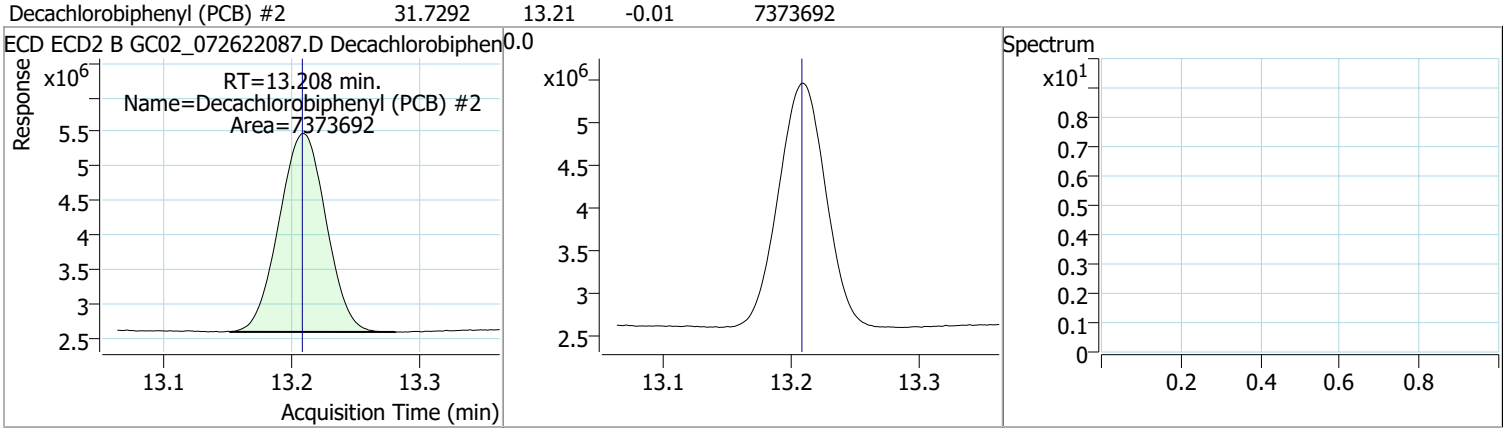
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	3.4837	11.71	-0.01	52103				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	38.4351	12.02	-0.01	131871488				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	31.7292	13.21	-0.01	7373692				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC02	Lab ID:	465924-003	Client ID:	DOOR-N-0.2GW-EXT-3 TO 4-220718-P-CB
Seqnum:	212298819088	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc02_072622-088	Batch:	293716	Time:	27-JUL-2022 20:09
Cal:	212298819002	Caldate:	27-JUL-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	14.30	ND	0.54	62%	1.0		u
Aroclor-1016 Peak # 1	B	26.46	0.53	1.22	79%			
Aroclor-1016 Peak # 2	B	2.578	0.05	0.02	80%			
Aroclor-1016 Peak # 3	B	38.79	0.78	1.09	33%			
Aroclor-1016 Peak # 4	B	1.451	0.03	0.31	166%			
Aroclor-1016 Peak # 5	B	2.216	0.04	0.08	60%			
Aroclor-1221	B		ND			1.0		u
Aroclor-1232	B		ND			1.0		u
Aroclor-1242	B		ND			1.0		u
Aroclor-1248	B		ND			1.0		u
Aroclor-1254	B		ND			1.0		u
Aroclor-1260	B	3.450	ND	0.23	106%	1.0		u
Aroclor-1260 Peak # 1	B	0.8195	0.02	0.41	185%			
Aroclor-1260 Peak # 2	B	0.1476	0.00	0.11	189%			
Aroclor-1260 Peak # 3	B	5.941	0.12	0.04	95%			
Aroclor-1260 Peak # 4	B	1.560	0.03	0.50	176%			
Aroclor-1260 Peak # 5	B	8.780	0.18	0.07	91%			
Aroclor-1262	B		ND			1.0		u
Aroclor-1268	B		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	31.16	1.000	0.6232	62	52-186	c- u
Decachlorobiphenyl (PCB)	B	27.62	1.000	0.5525	55	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (ICV/CCV gc02_072622-054)	Ch	ICV/CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5270587	4412652	-16.28
1-bromo-2-nitrobenzene (PCB)	A	99139019	71119853	-28.26

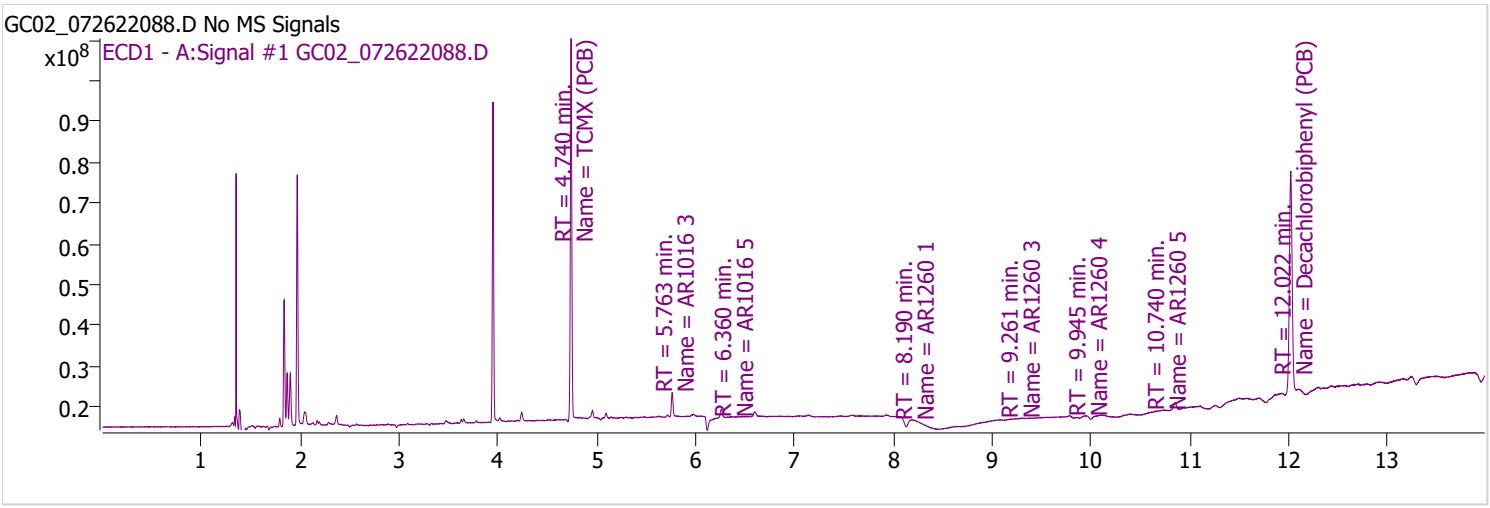
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

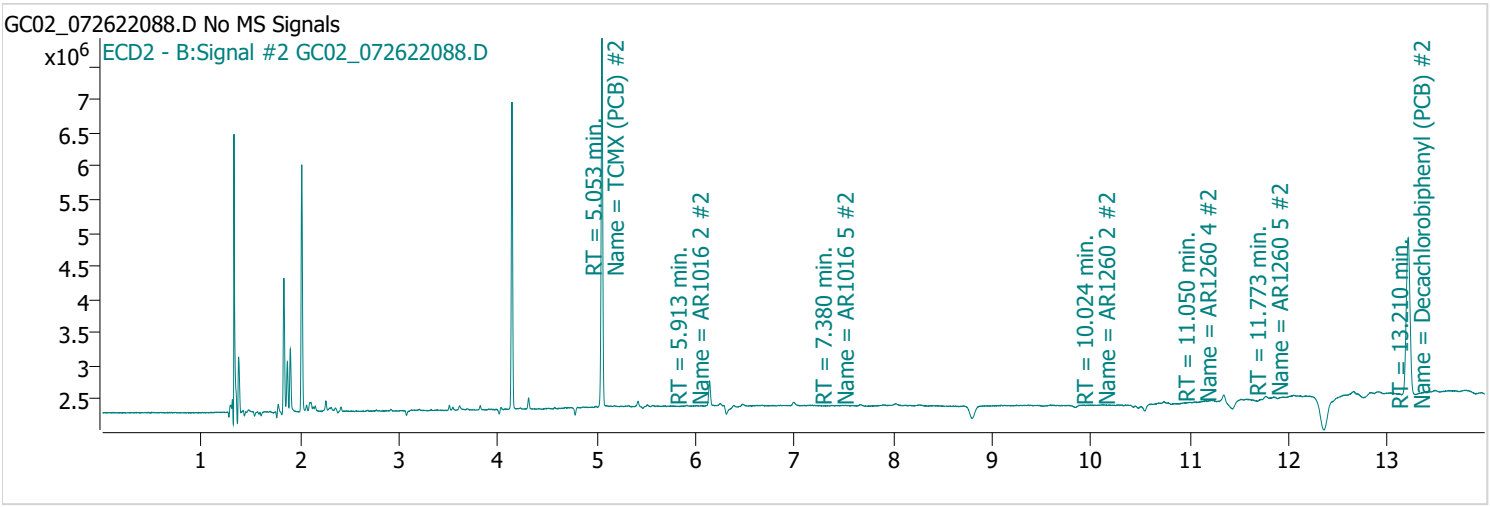
ISTD (ICV/CCV gc02_072622-054)	Ch	ICV/CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.14	4.14	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.95	3.95	0.00

Analyst: TRN 07/28/22 **Reviewer:** LW 07/28/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_072622088.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	7/27/2022 8:09:24 PM
Sample Name	465924-003, 293716, 1	Instrument	SVOA-GC02
Vial	19	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_1.m	Comment	WIPE/1dm2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	072622PCB2.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



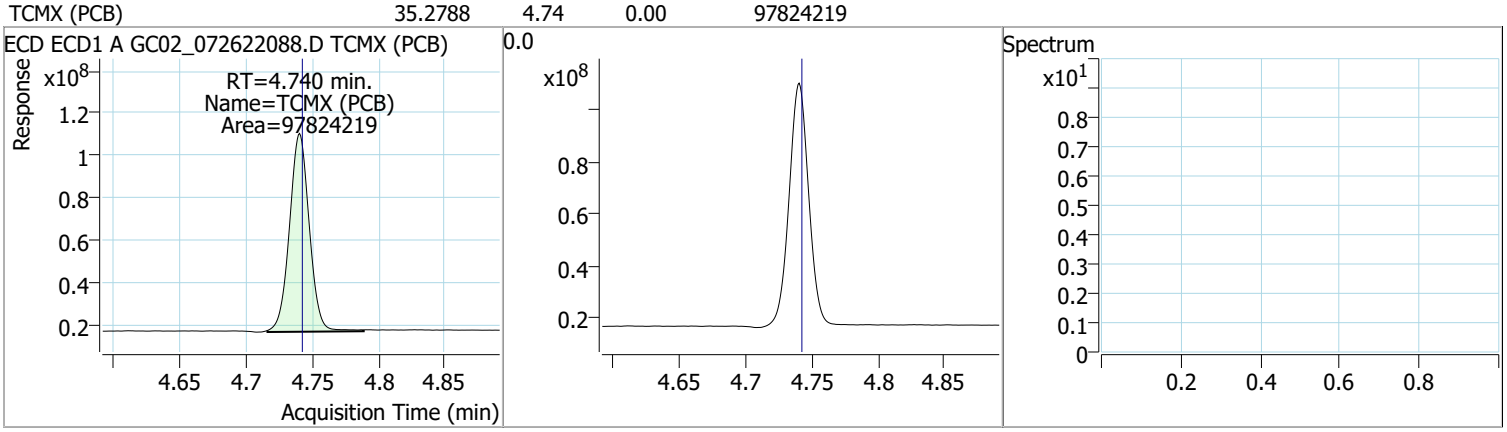


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.951	0.0	71119852.682	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.142	0.0	4412652.034	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB)	4.740	0.0	97824218.721	35.2788	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 176.39%		*	
S TCMX (PCB) #2	5.053	0.0	6281521.754	31.1543	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 155.77%		*	
S Decachlorobiphenyl (PCB)	12.022	0.0	108965735.348	32.7344	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 163.67%		*	
S Decachlorobiphenyl (PCB) #2	13.210	0.0	6224991.293	27.6161	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 138.08%			
Target Compounds							QValue

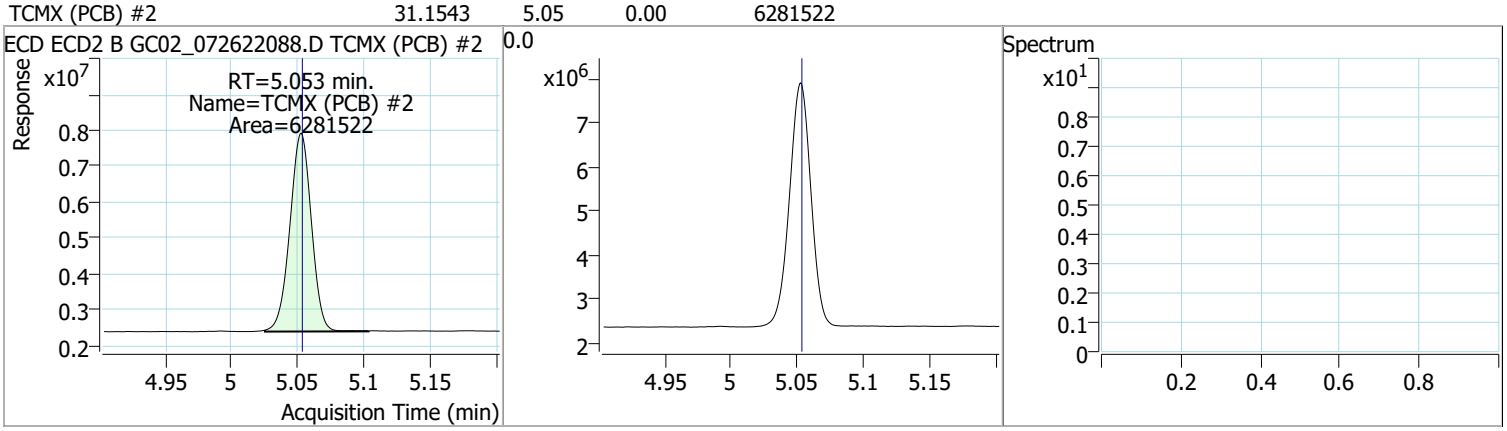
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.094	0.0	2845075.018	60.9417	ng/ml	100
T AR1016 2	5.393	0.0	99720.610	1.1064	ng/ml	100
T AR1016 1 #2	5.511	0.0	109984.163	26.4534	ng/ml	100
T AR1016 3	5.763	0.0	7683037.948	54.2772	ng/ml	100
T AR1016 2 #2	5.913	0.0	21976.516	2.5774	ng/ml	100
T AR1016 4	5.982	0.0	1283924.154	15.5031	ng/ml	100
T AR1016 5	6.360	0.0	299070.818	4.1223	ng/ml	100
T AR1016 3 #2	6.388	0.0	409728.837	38.7837	ng/ml	100
T AR1016 4 #2	6.585	0.0	10842.600	1.4503	ng/ml	100
T AR1016 5 #2	7.380	0.0	13479.539	2.2151	ng/ml	100
T AR1260 1	8.190	0.0	2987896.713	20.4981	ng/ml	100
T AR1260 2	8.673	0.0	1225390.679	5.4236	ng/ml	100
T AR1260 3	9.261	0.0	565149.515	2.1218	ng/ml	100
T AR1260 1 #2	9.655	0.0	10254.019	0.8193	ng/ml	100
T AR1260 4	9.945	0.0	3005992.420	24.9320	ng/ml	100
T AR1260 2 #2	10.024	0.0	2020.512	0.1475	ng/ml	100
T AR1260 3 #2	10.505	0.0	107565.403	5.9393	ng/ml	100
T AR1260 5	10.740	0.0	577033.358	3.2906	ng/ml	100
T AR1260 4 #2	11.050	0.0	15764.936	1.5596	ng/ml	100
T AR1260 5 #2	11.773	0.0	127342.083	8.7780	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

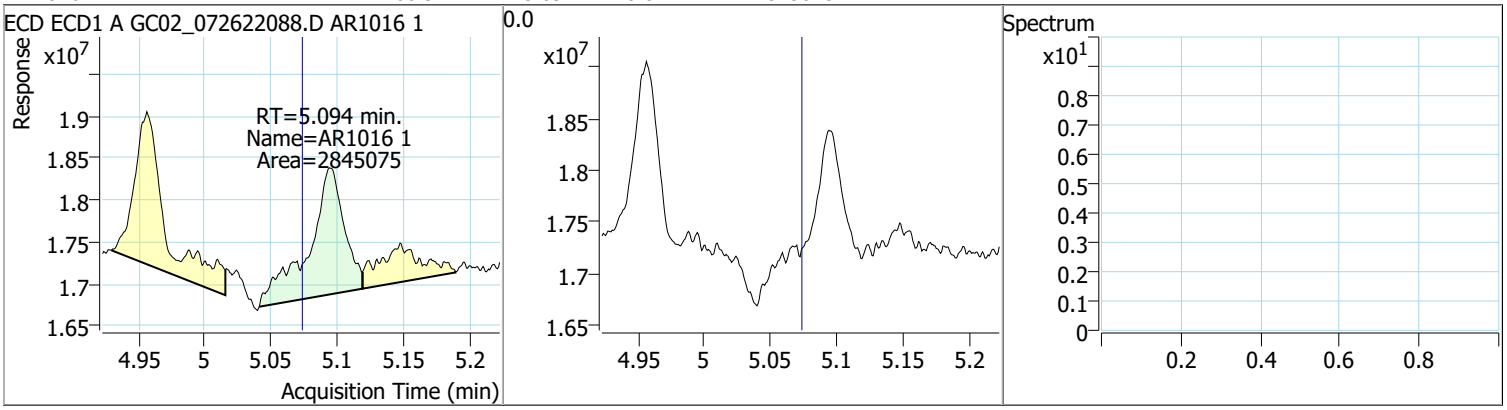
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	35.2788	4.74	0.00	97824219				



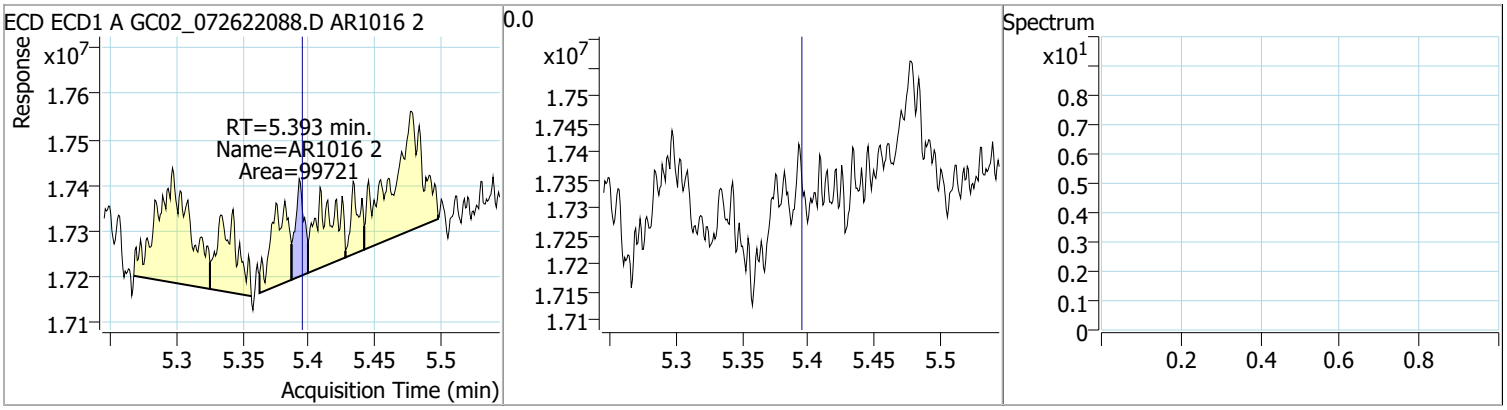
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	31.1543	5.05	0.00	6281522				



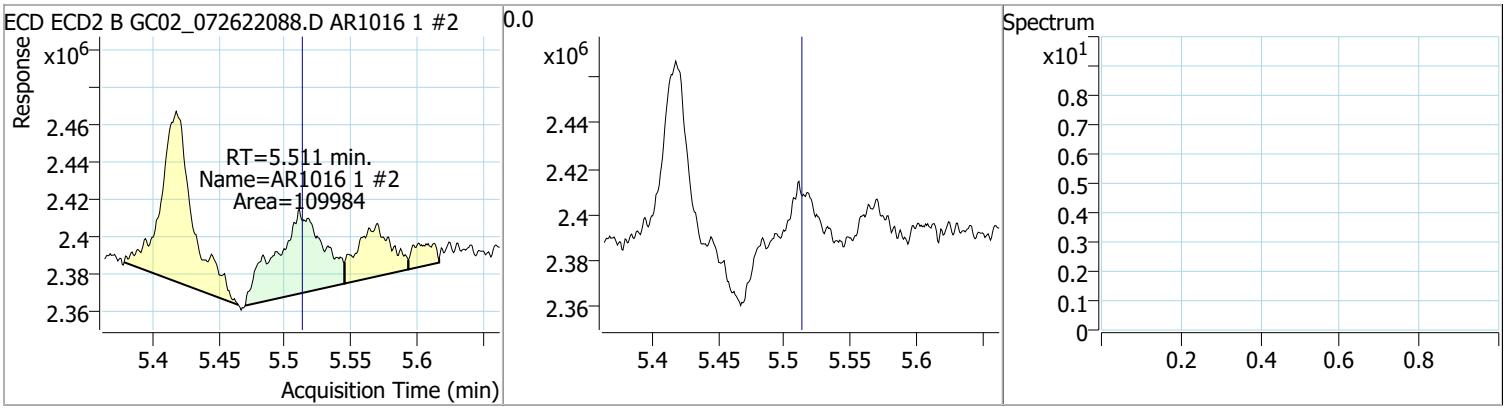
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	60.9417	5.09	0.02	2845075				



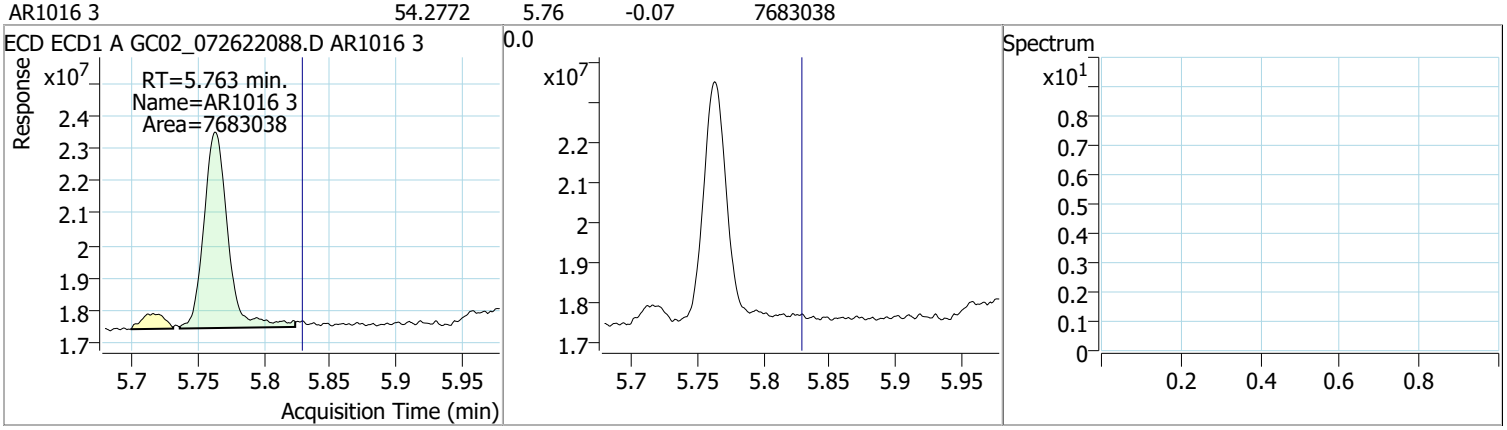
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.1064	5.39	0.00	99721				



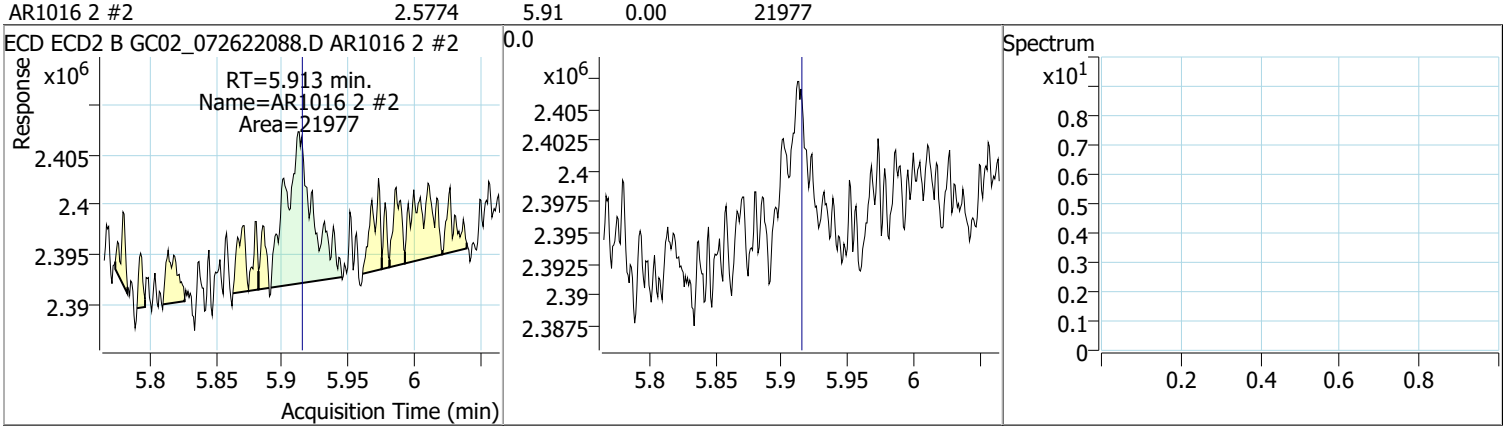
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	26.4534	5.51	0.00	109984				



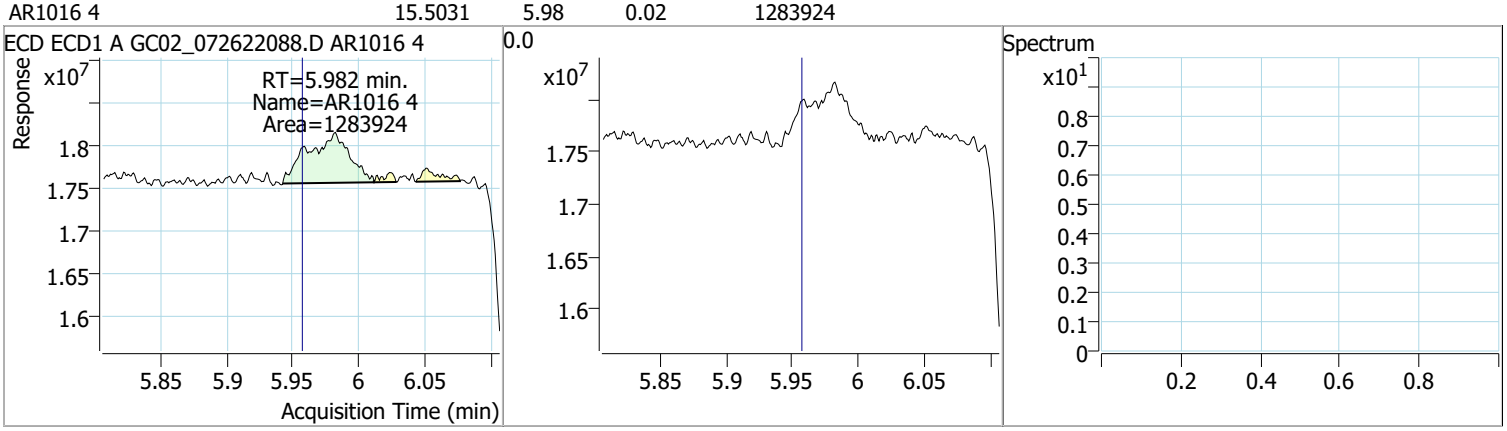
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	54.2772	5.76	-0.07	7683038				



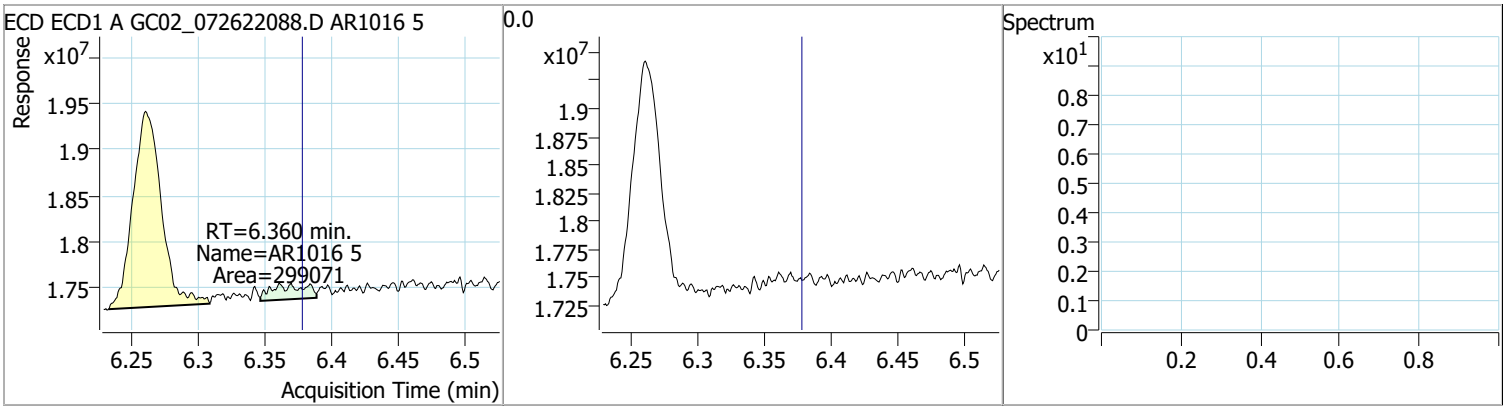
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	2.5774	5.91	0.00	21977				



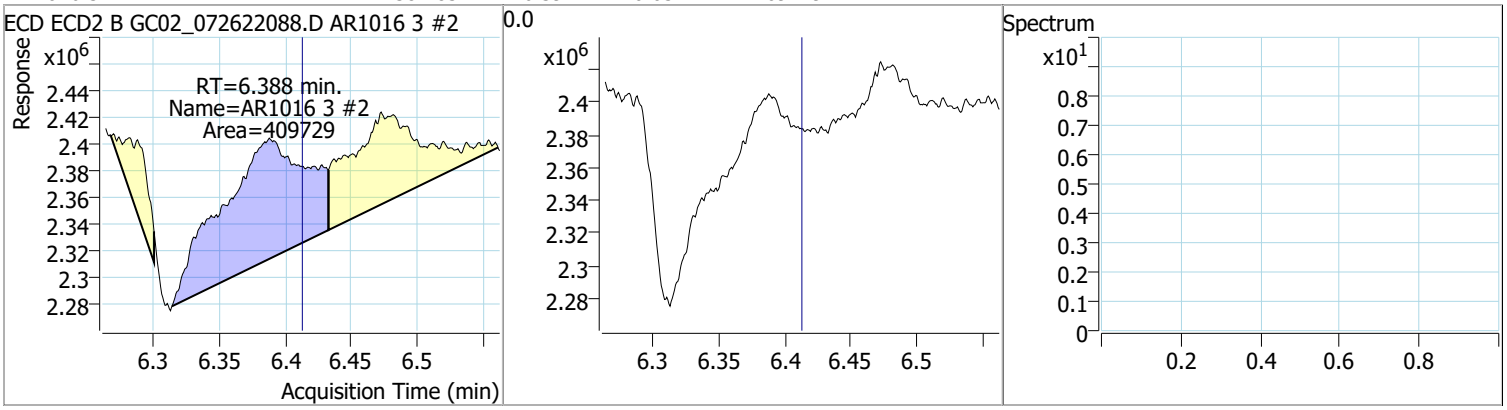
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	15.5031	5.98	0.02	1283924				



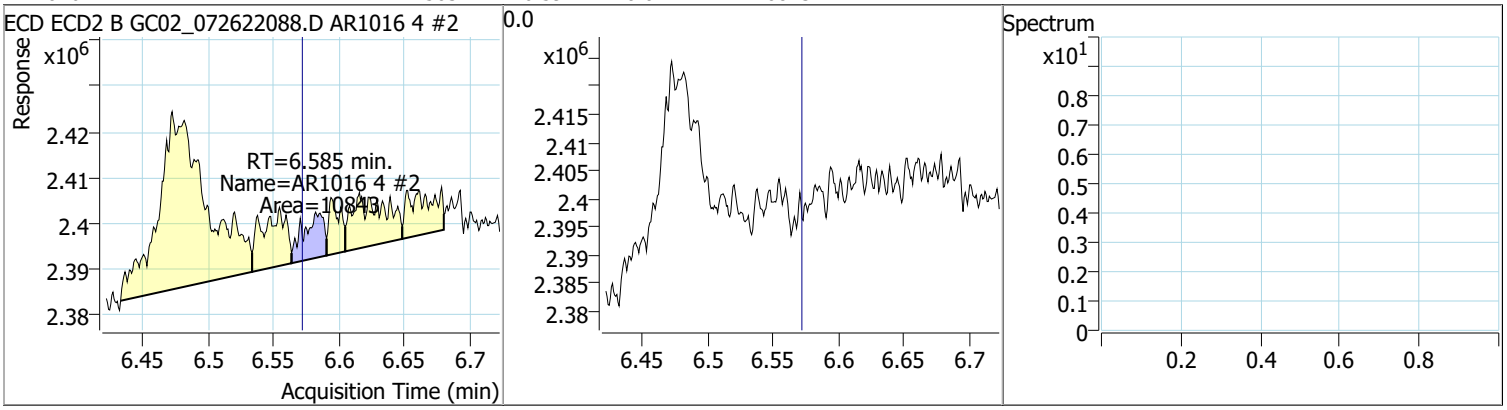
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	4.1223	6.36	-0.02	299071				



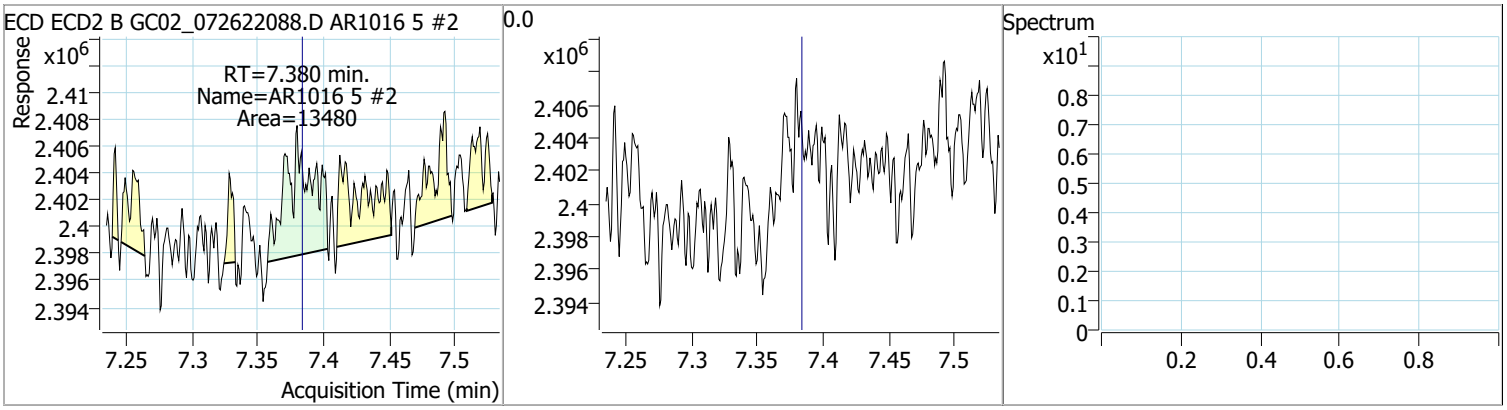
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	38.7837	6.39	-0.03	409729				



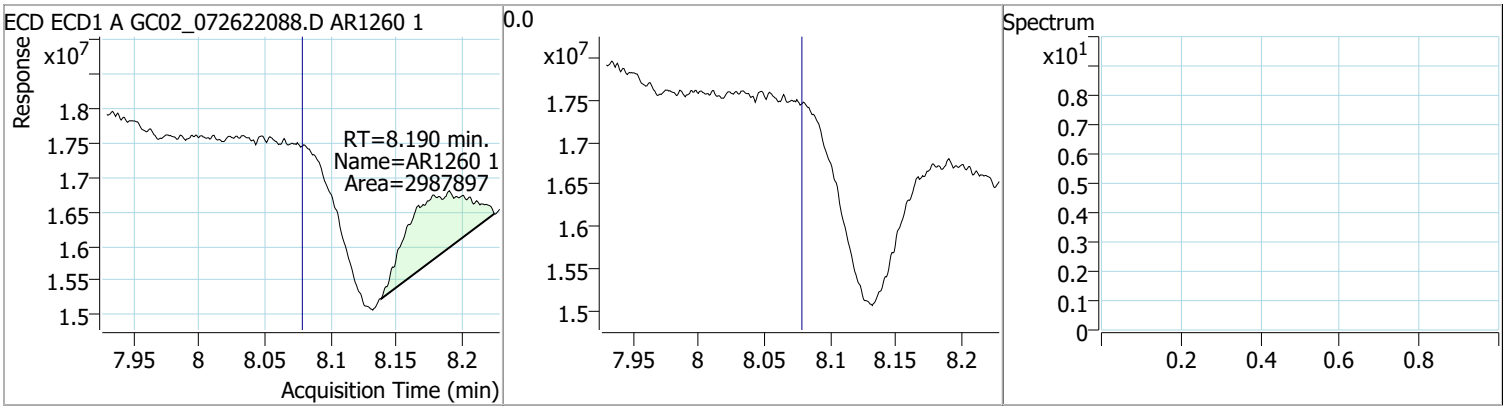
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.4503	6.59	0.01	10843				



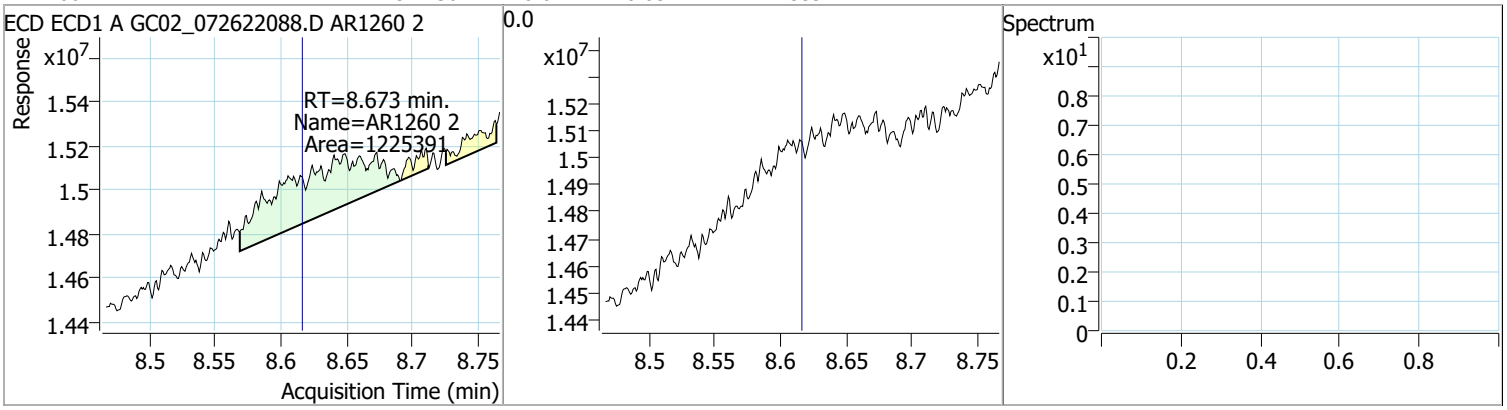
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.2151	7.38	-0.01	13480				



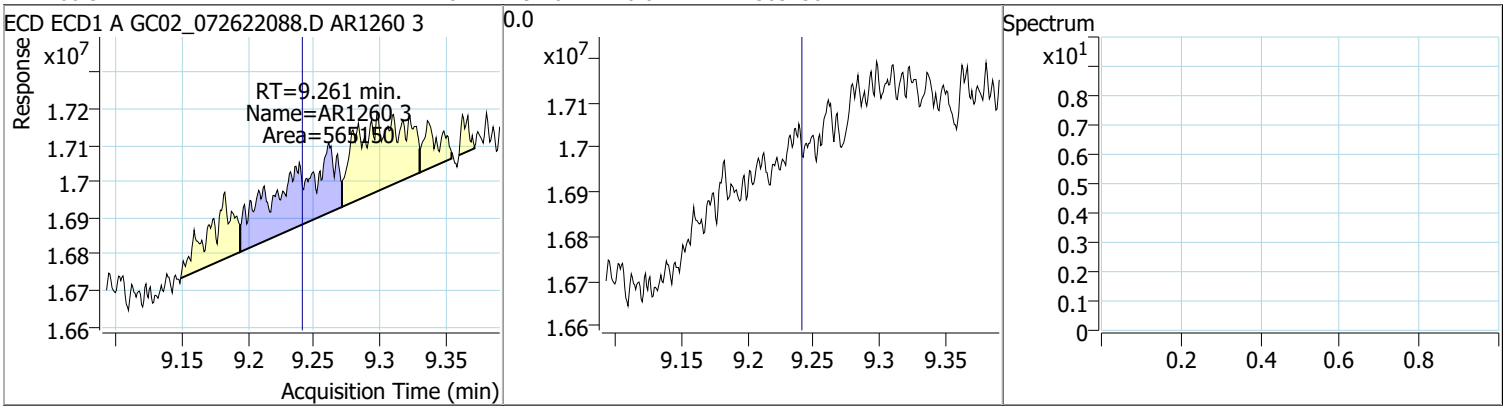
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	20.4981	8.19	0.11	2987897				



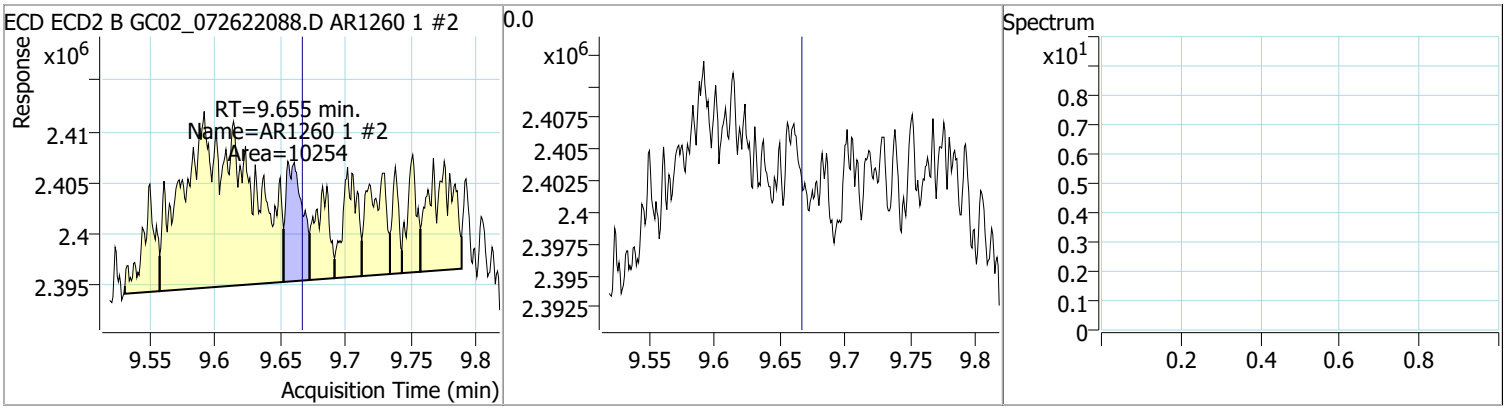
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	5.4236	8.67	0.05	1225391				



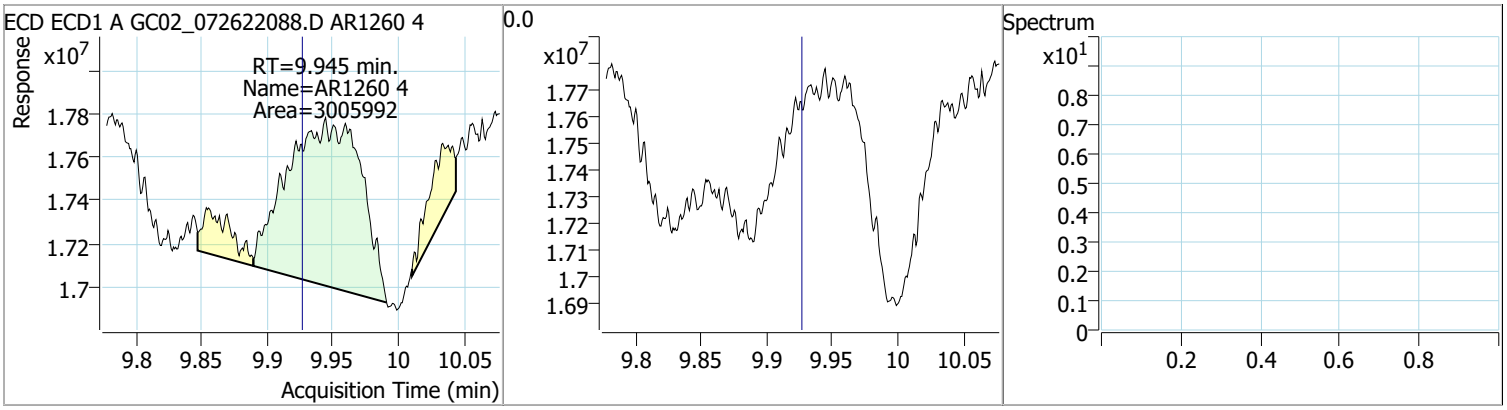
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	2.1218	9.26	0.02	565150				



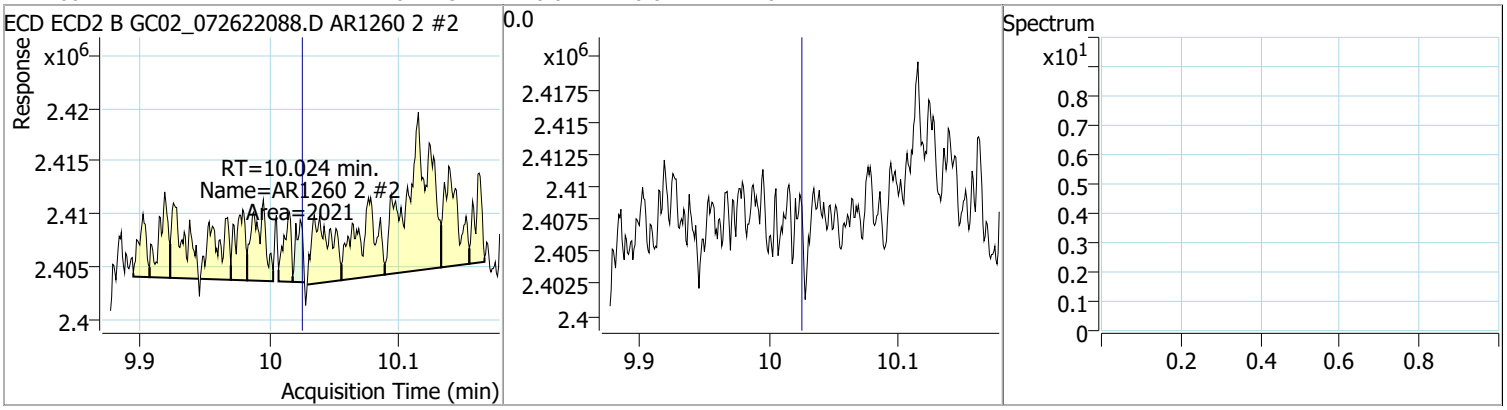
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.8193	9.66	-0.01	10254				



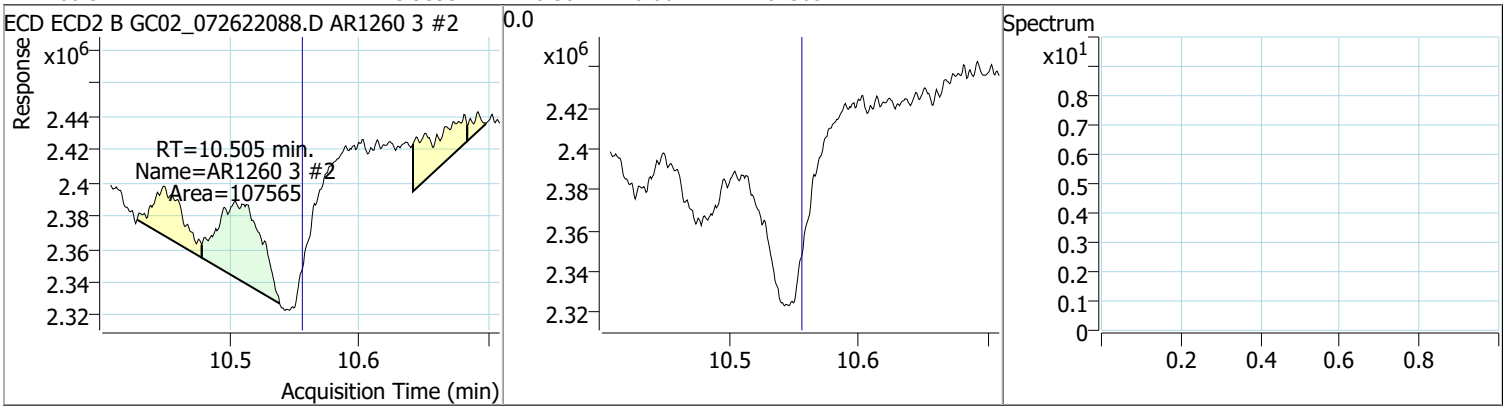
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	24.9320	9.94	0.02	3005992				



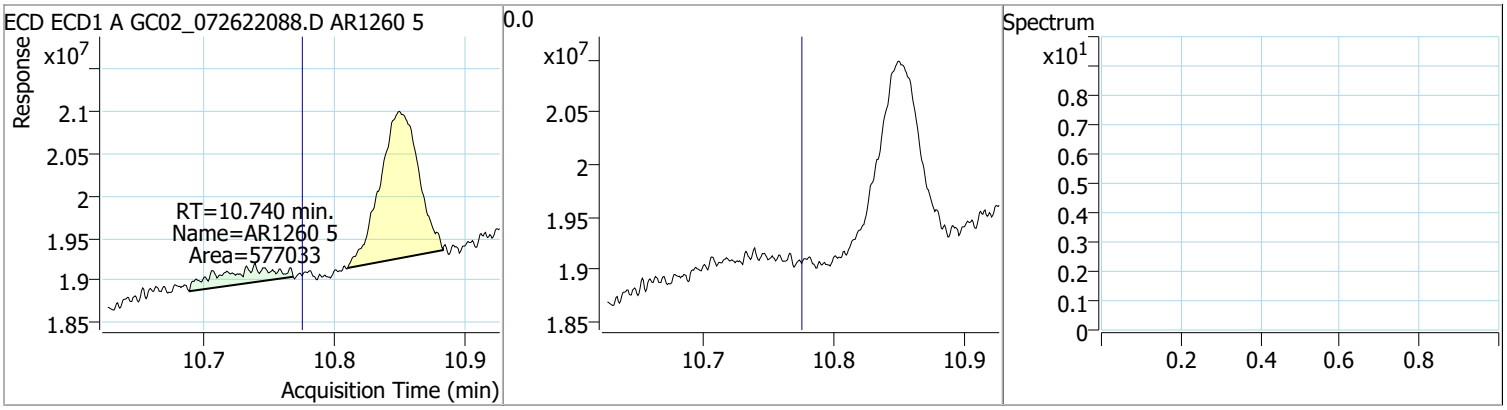
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.1475	10.02	-0.01	2021				



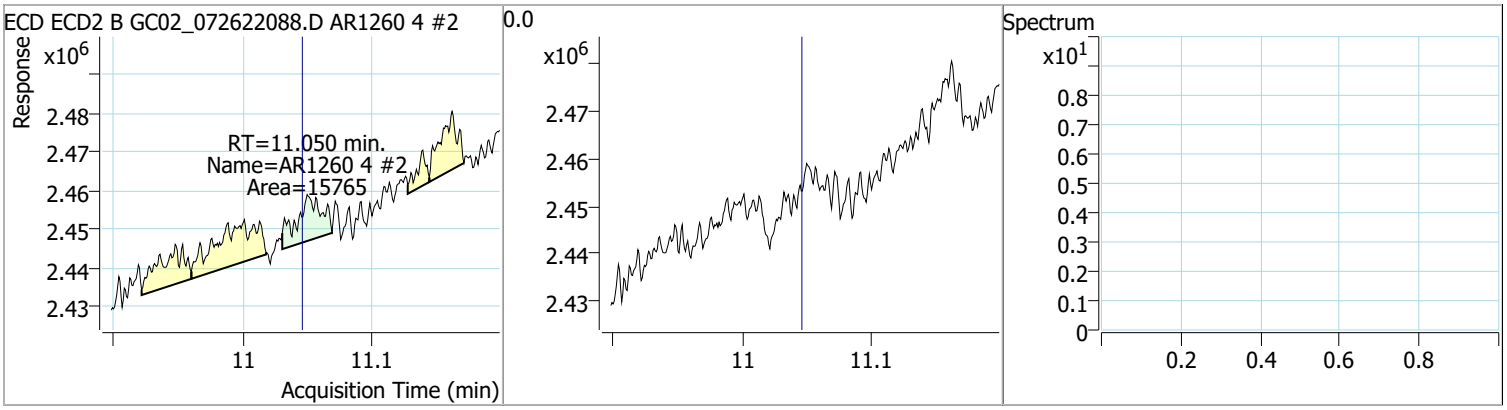
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	5.9393	10.50	-0.06	107565				



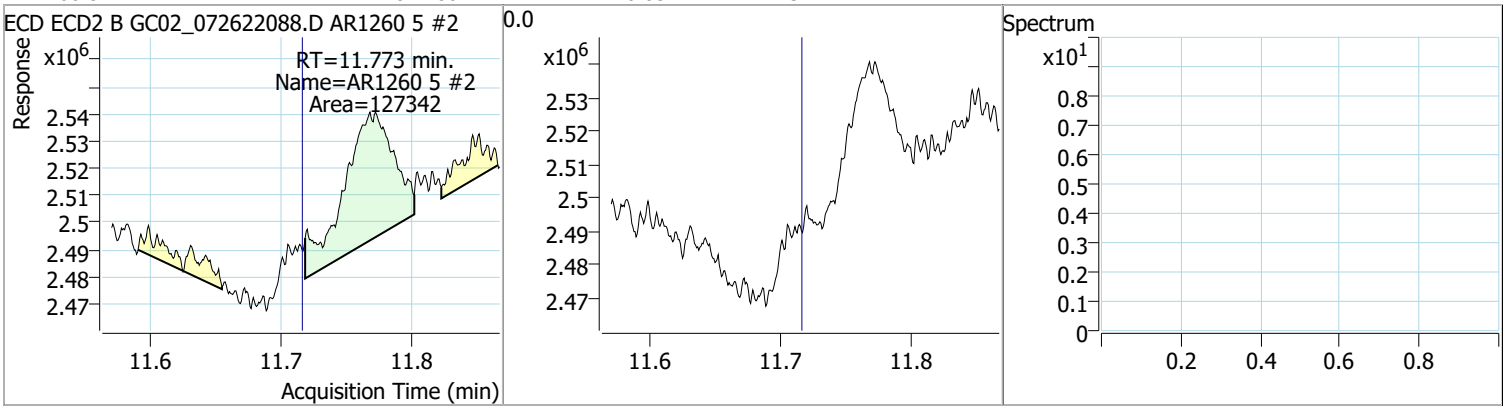
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	3.2906	10.74	-0.04	577033				



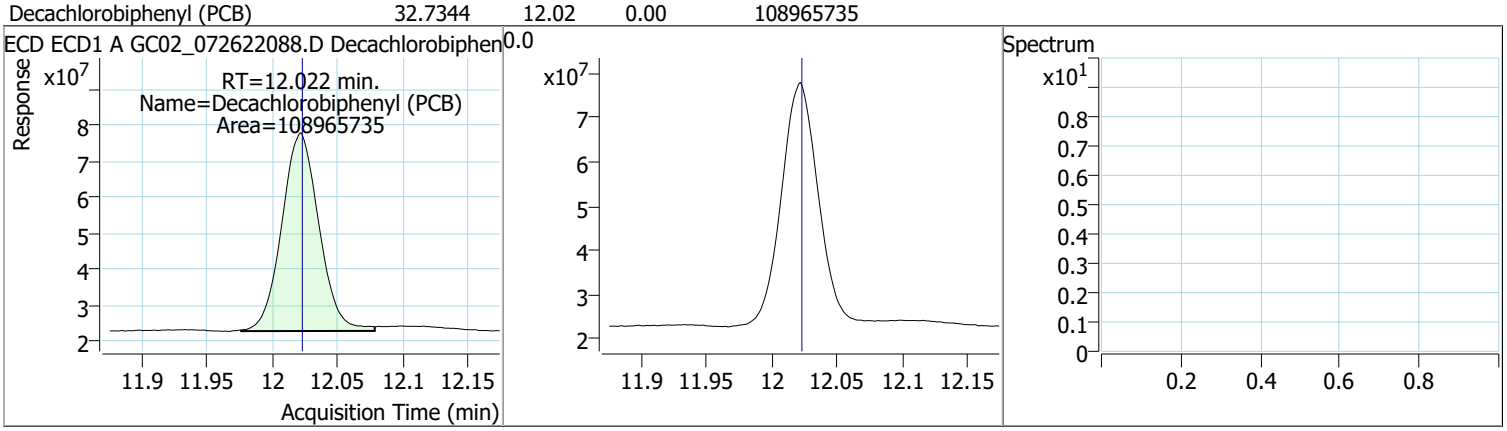
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1.5596	11.05	0.00	15765				



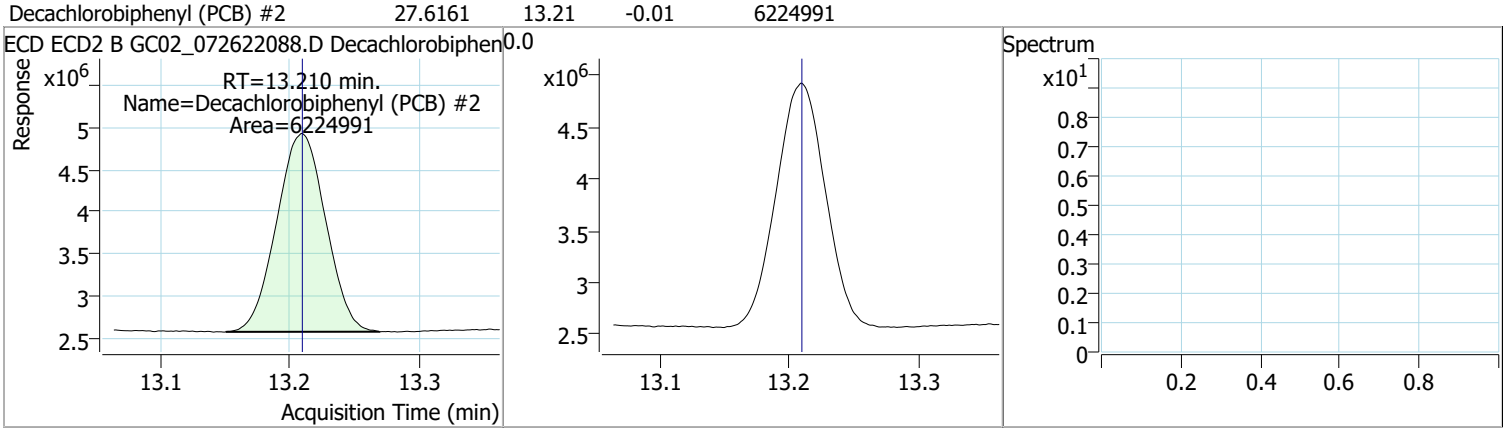
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	8.7780	11.77	0.05	127342				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	32.7344	12.02	0.00	108965735				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	27.6161	13.21	-0.01	6224991				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 465924 PCBS Wipe

EPA 8082

Inst:	SVOA-GC02	Lab ID:	QC1002660		
Seqnum:	212298819077.2	Matrix:	Wipe		
File:	gc02_072622-077	Batch:	293716	Time:	27-JUL-2022 16:52
Cal:	212298819002	Caldate:	27-JUL-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	7.406	ND	0.18	83%	0.50	u
Aroclor-1016 Peak # 1	B	4.017	0.04	0.55	173%		
Aroclor-1016 Peak # 2	B	8.045	0.08	0.07	14%		
Aroclor-1016 Peak # 3	B	5.207	0.05	0.01	118%		
Aroclor-1016 Peak # 4	B	4.056	0.04	0.09	74%		
Aroclor-1016 Peak # 5	B	15.70	0.16	0.18	12%		
Aroclor-1221	B		ND			0.50	u
Aroclor-1232	B		ND			0.50	u
Aroclor-1242	B		ND			0.50	u
Aroclor-1248	B		ND			0.50	u
Aroclor-1254	B		ND			0.50	u
Aroclor-1260	B	15.21	ND	0.24	46%	0.50	u
Aroclor-1260 Peak # 1	B	51.41	0.51	0.01	189%		
Aroclor-1260 Peak # 2	B	0.5654	0.01	0.62	196%		
Aroclor-1260 Peak # 3	B	1.763	0.02	0.01	71%		
Aroclor-1260 Peak # 4	B	14.10	0.14	0.00	190%		
Aroclor-1260 Peak # 5	B	8.196	0.08	0.58	150%		
Aroclor-1262	B		ND			0.50	u
Aroclor-1268	B		ND			0.50	u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	33.34	0.5000	0.3334	67	52-186	c- u
Decachlorobiphenyl (PCB)	B	32.64	0.5000	0.3264	65	60-140	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (ICV/CCV gc02_072622-054)	Ch	ICV/CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5270587	6205742	17.74
1-bromo-2-nitrobenzene (PCB)	A	99139019	57104938	-42.40

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

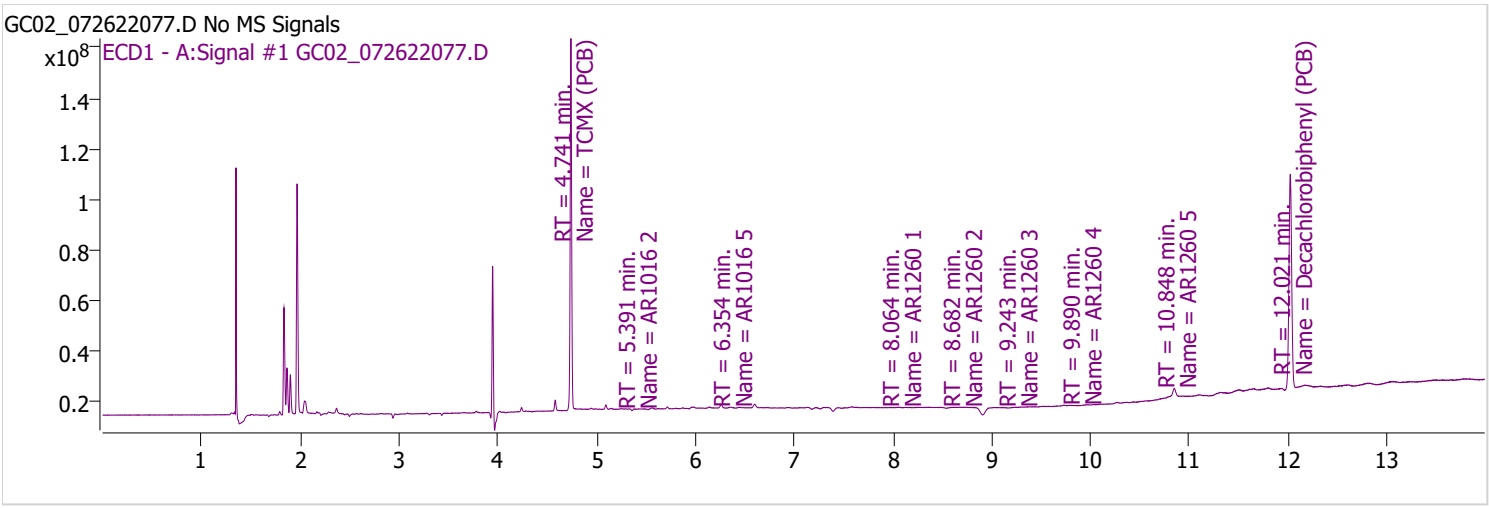
ISTD (ICV/CCV gc02_072622-054)	Ch	ICV/CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.14	4.14	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.95	3.95	0.00

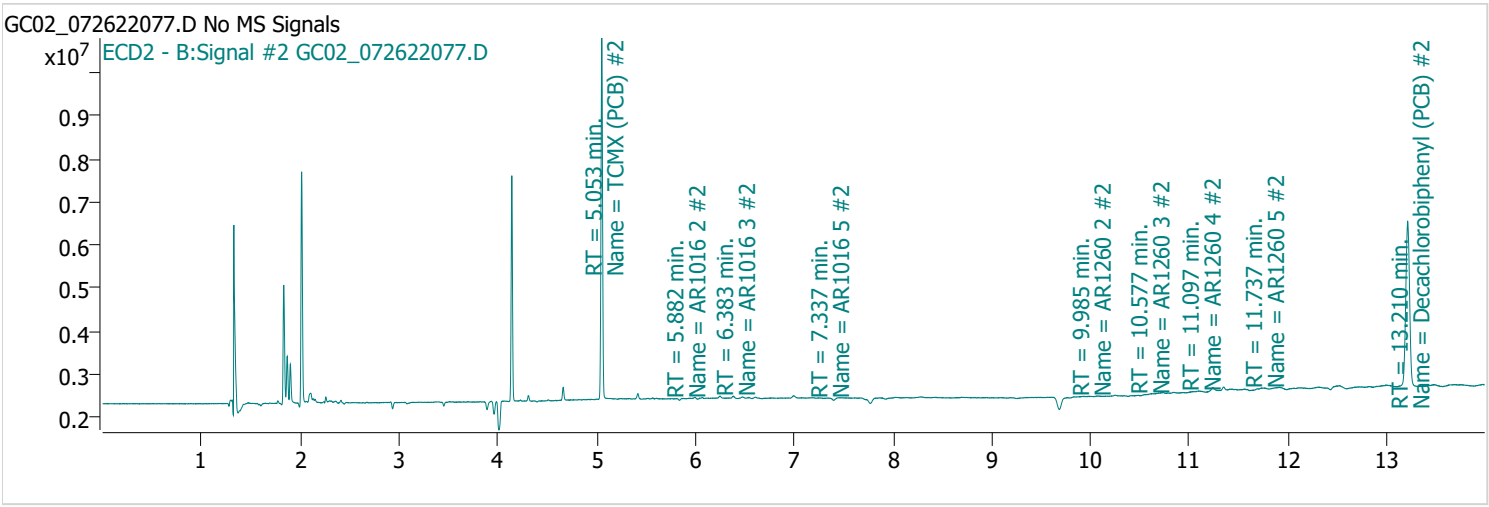
-=low bias c=CCV u=use

Analyst: TRN 07/28/22 **Reviewer:** LW 07/28/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_072622077.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	7/27/2022 4:52:58 PM
Sample Name	QC1002660, 293716, 1	Instrument	SVOA-GC02
Vial	10	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_1.m	Comment	WIPE/1dm2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	072622PCB2.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



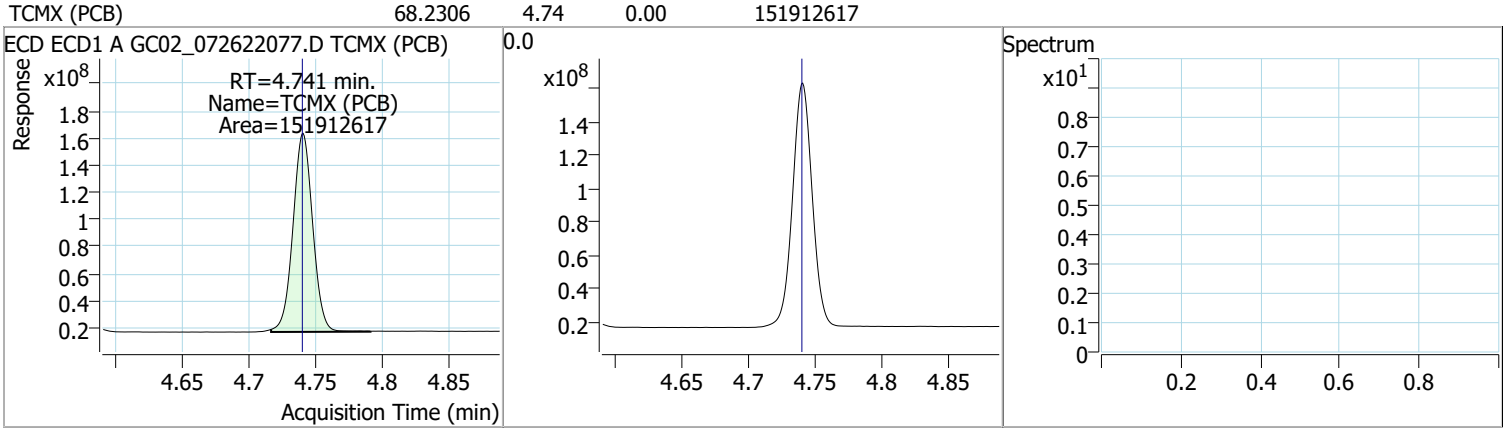


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.949	0.0	57104937.889	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.142	0.0	6205742.450	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB)	4.741	0.0	151912617.203	68.2306	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 341.15%		*	
S TCMX (PCB) #2	5.053	0.0	9450305.342	33.3277	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 166.64%		*	
S Decachlorobiphenyl (PCB)	12.021	0.0	162665585.725	60.8593	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 304.30%		*	
S Decachlorobiphenyl (PCB) #2	13.210	0.0	10344339.804	32.6312	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 163.16%		*	
Target Compounds							QValue

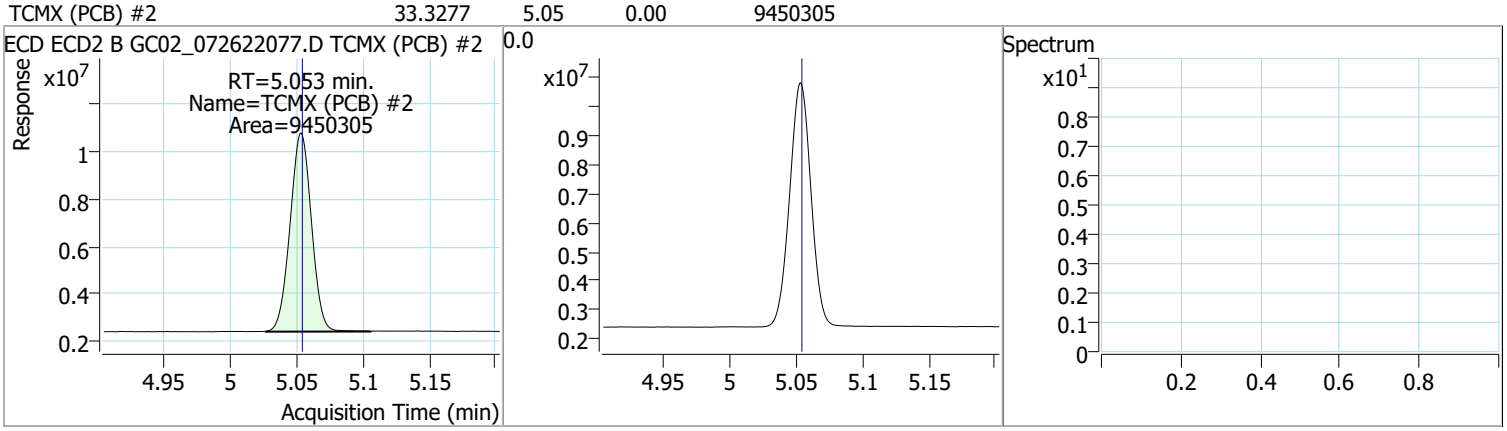
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.094	0.0	2043626.475	54.5180	ng/ml	100
T AR1016 2	5.391	0.0	505830.911	6.9897	ng/ml	100
T AR1016 1 #2	5.524	0.0	23485.265	4.0165	ng/ml	100
T AR1016 3	5.828	0.0	152292.384	1.3399	ng/ml	100
T AR1016 2 #2	5.882	0.0	96447.070	8.0430	ng/ml	100
T AR1016 4	5.962	0.0	585232.252	8.8009	ng/ml	100
T AR1016 5	6.354	0.0	1027539.400	17.6392	ng/ml	100
T AR1016 3 #2	6.383	0.0	77347.059	5.2060	ng/ml	100
T AR1016 4 #2	6.543	0.0	42629.017	4.0546	ng/ml	100
T AR1016 5 #2	7.337	0.0	134366.108	15.7007	ng/ml	100
T AR1260 1	8.064	0.0	173781.543	1.4848	ng/ml	100
T AR1260 2	8.682	0.0	11199507.186	61.7351	ng/ml	100
T AR1260 3	9.243	0.0	179739.317	0.8404	ng/ml	100
T AR1260 1 #2	9.565	0.0	904704.460	51.3992	ng/ml	100
T AR1260 4	9.890	0.0	34543.289	0.3568	ng/ml	100
T AR1260 2 #2	9.985	0.0	10886.626	0.5652	ng/ml	100
T AR1260 3 #2	10.577	0.0	44882.443	1.7622	ng/ml	100
T AR1260 5	10.848	0.0	8096516.653	57.5032	ng/ml	100
T AR1260 4 #2	11.097	0.0	200343.354	14.0930	ng/ml	100
T AR1260 5 #2	11.737	0.0	167183.303	8.1945	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

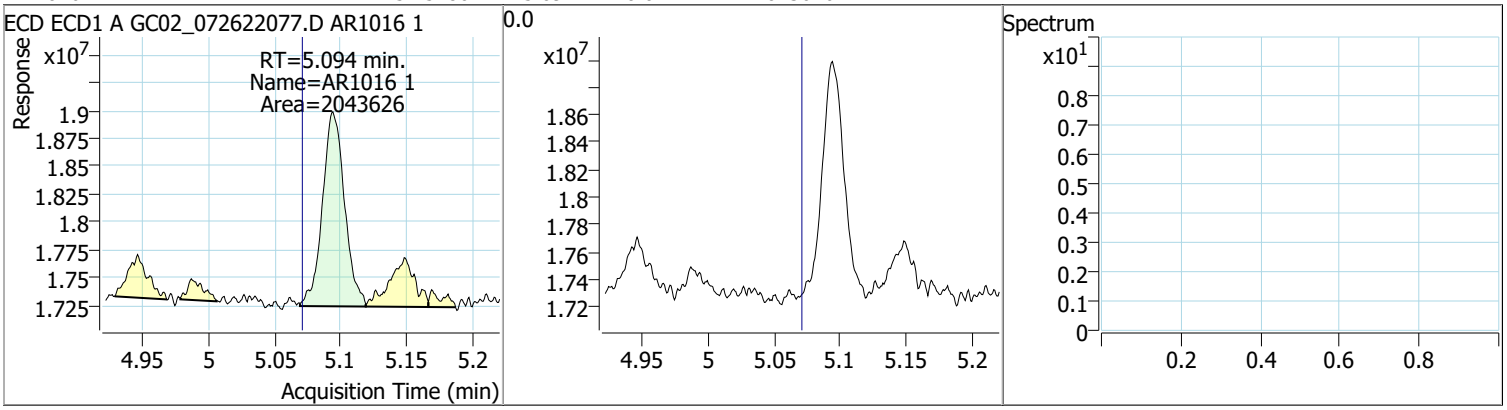
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	68.2306	4.74	0.00	151912617				



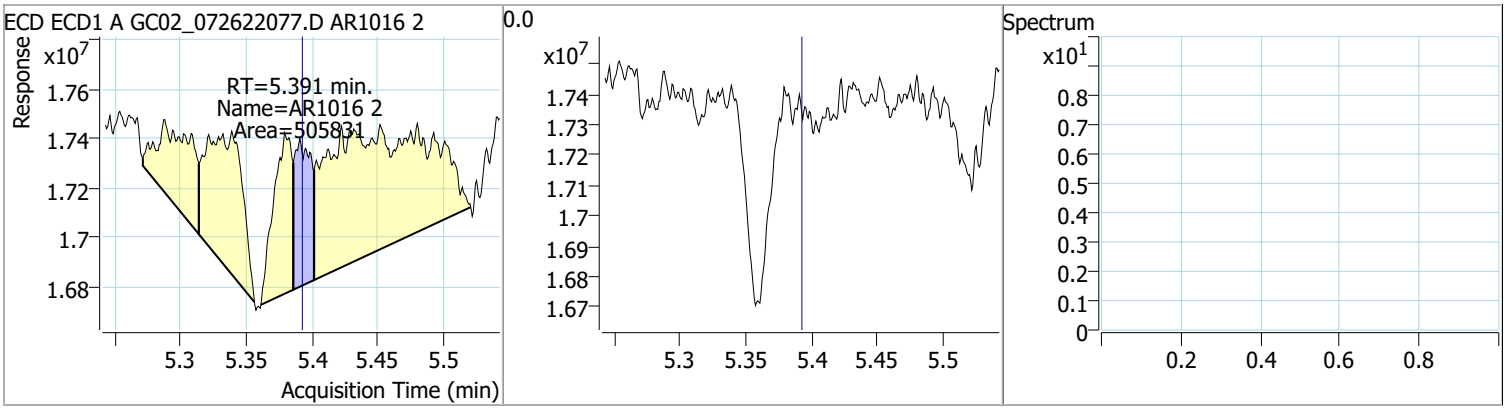
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	33.3277	5.05	0.00	9450305				



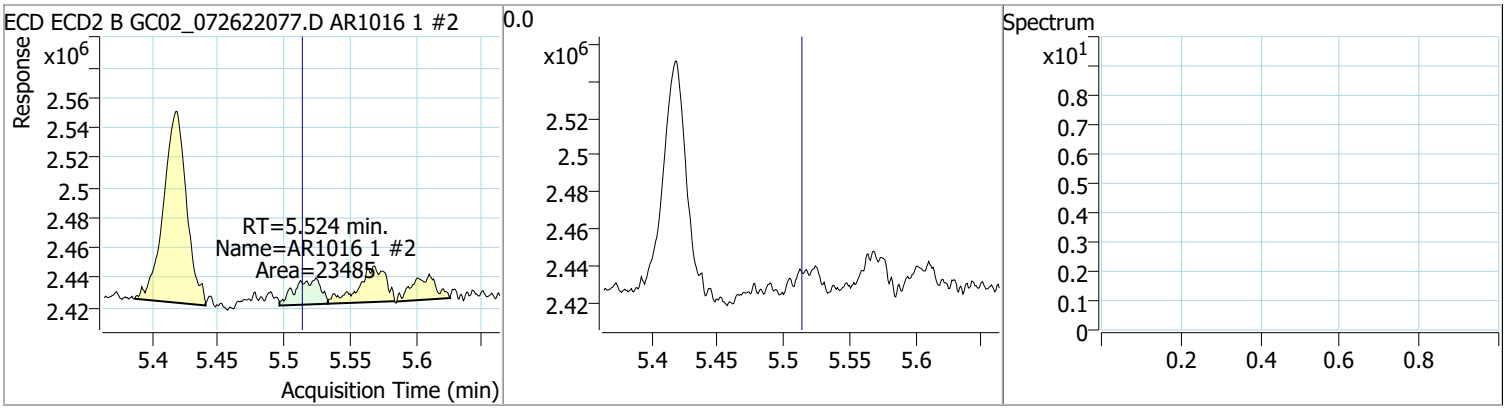
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	54.5180	5.09	0.02	2043626				



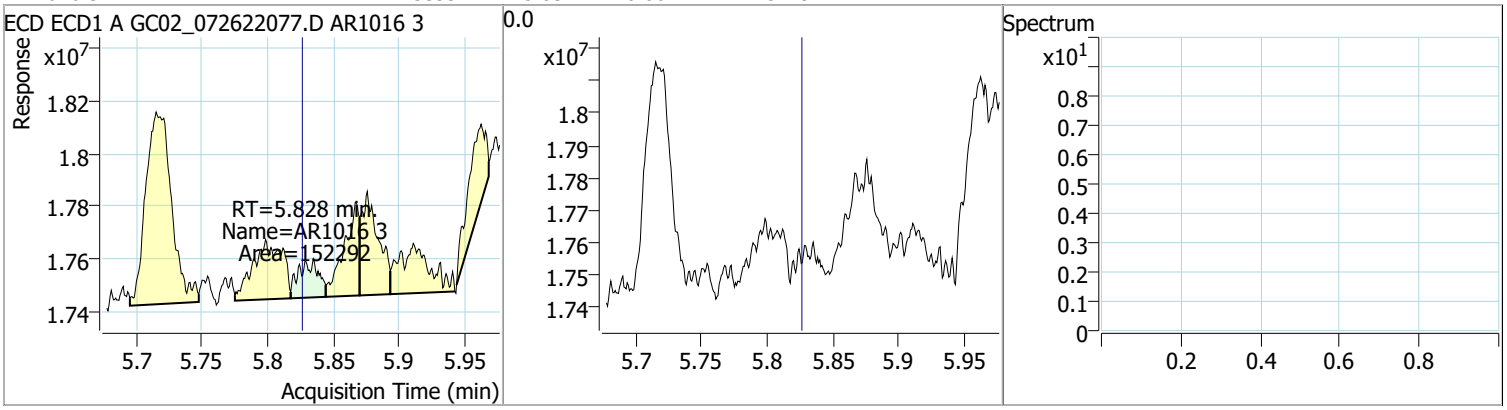
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	6.9897	5.39	-0.01	505831				



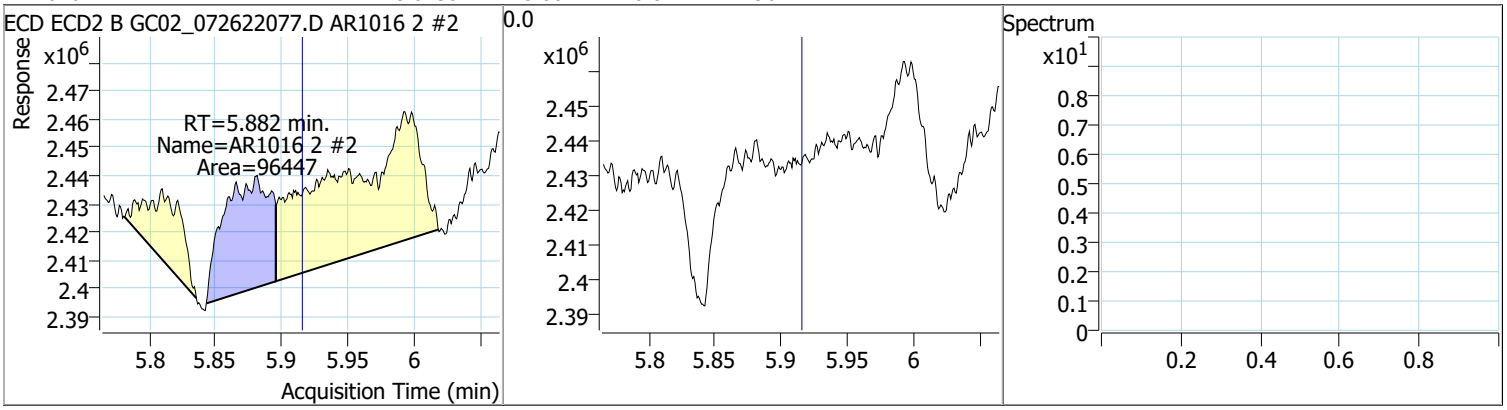
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	4.0165	5.52	0.01	23485				



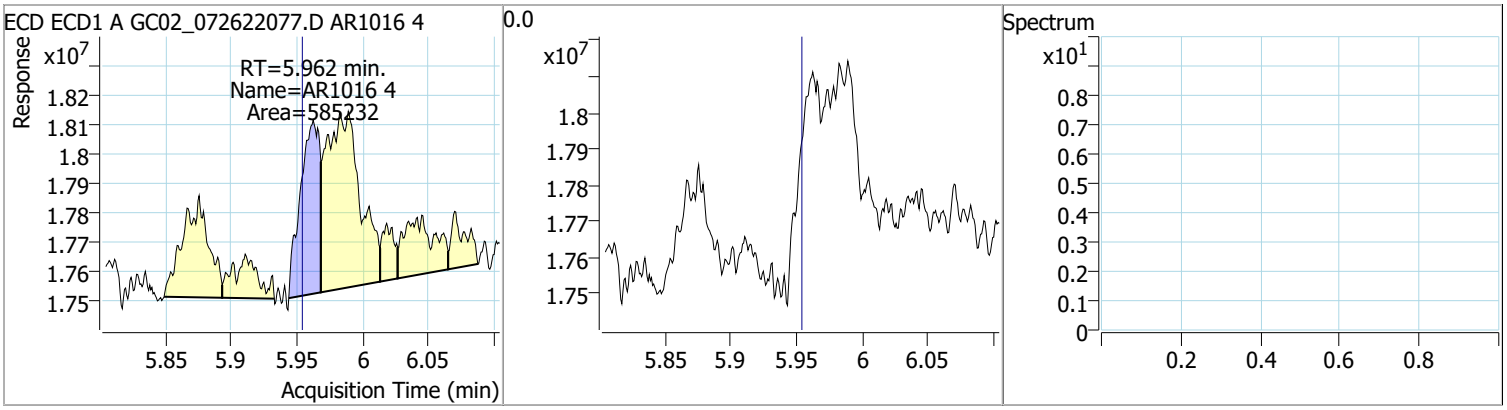
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1.3399	5.83	0.00	152292				



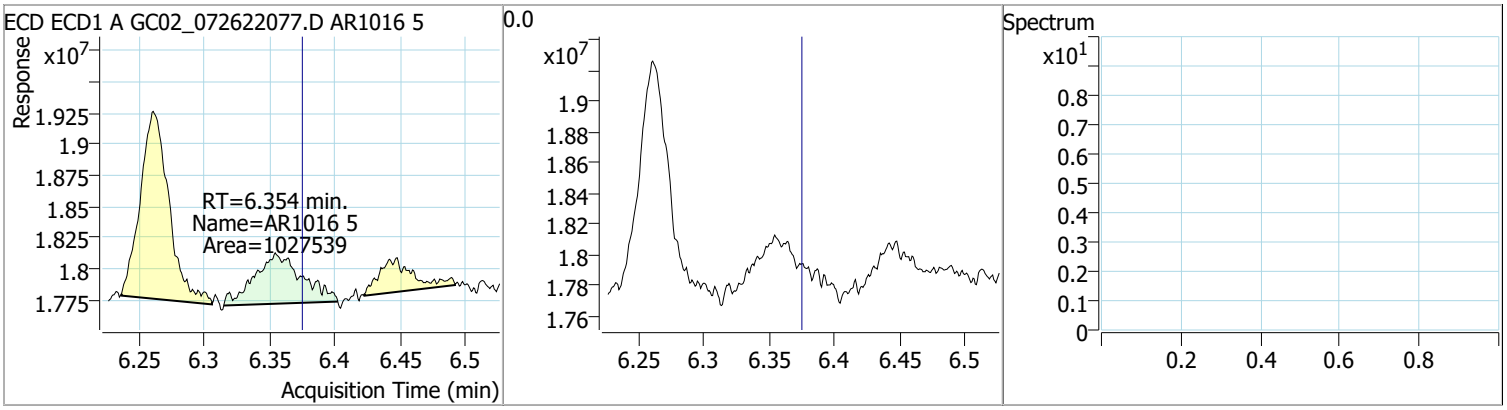
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	8.0430	5.88	-0.04	96447				



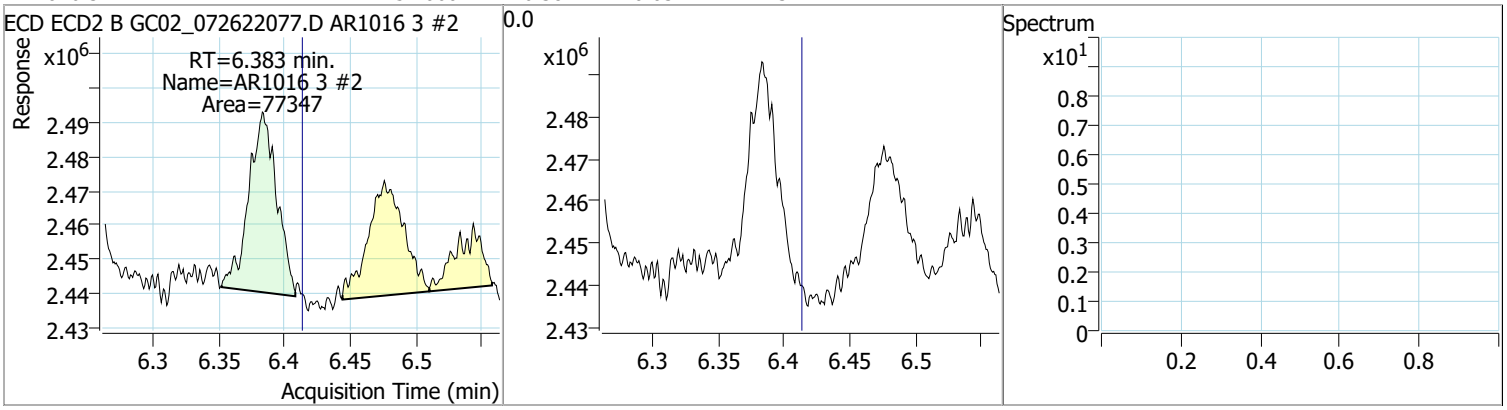
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	8.8009	5.96	0.00	585232				



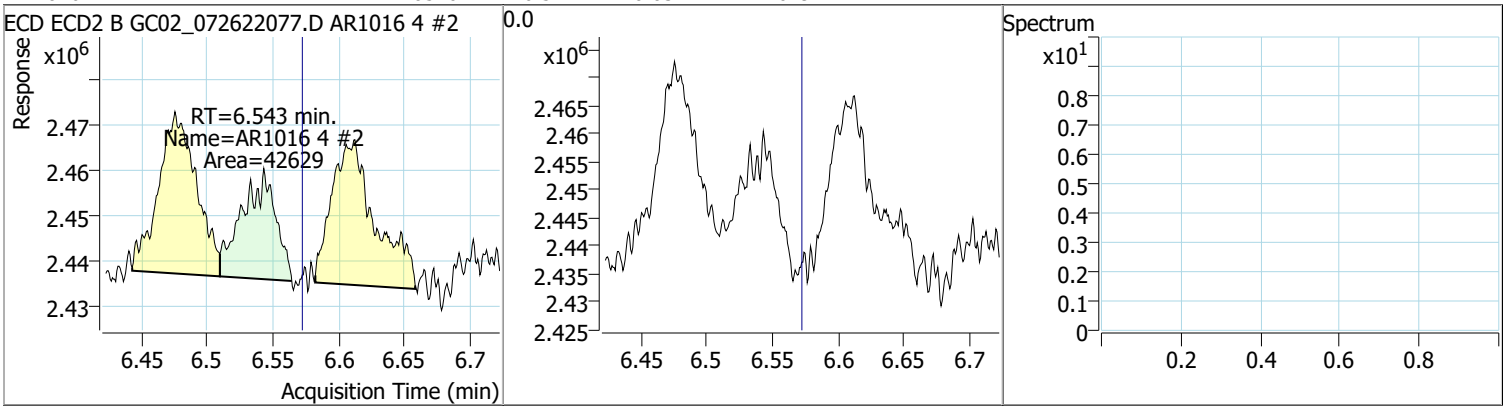
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	17.6392	6.35	-0.02	1027539				



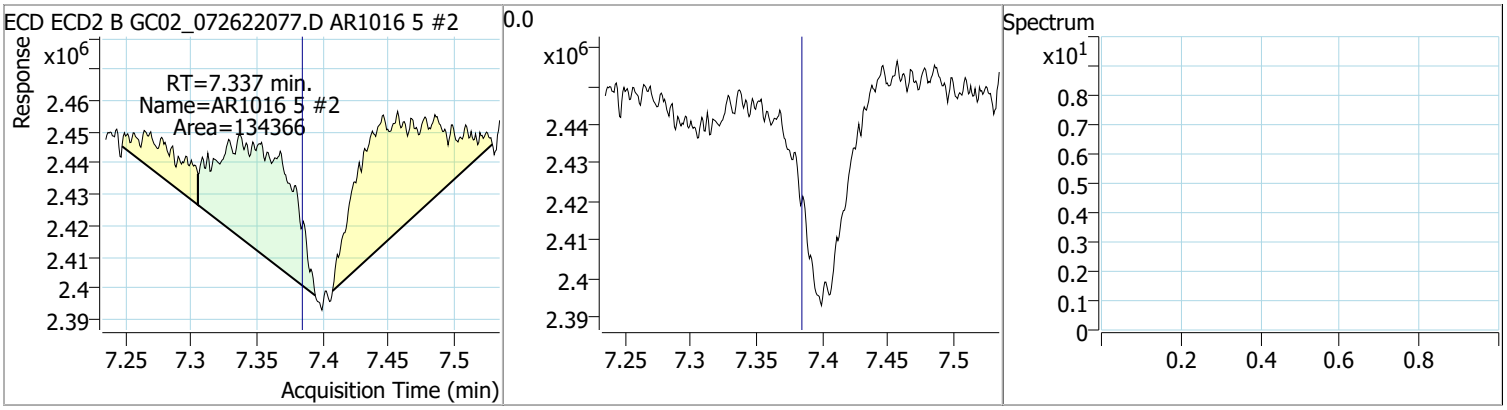
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	5.2060	6.38	-0.03	77347				



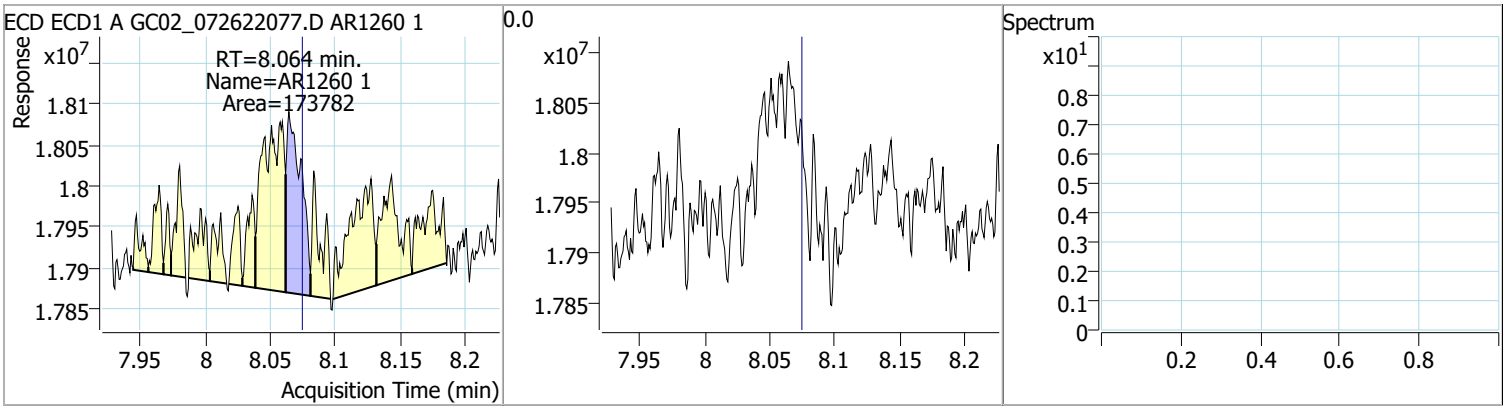
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	4.0546	6.54	-0.03	42629				



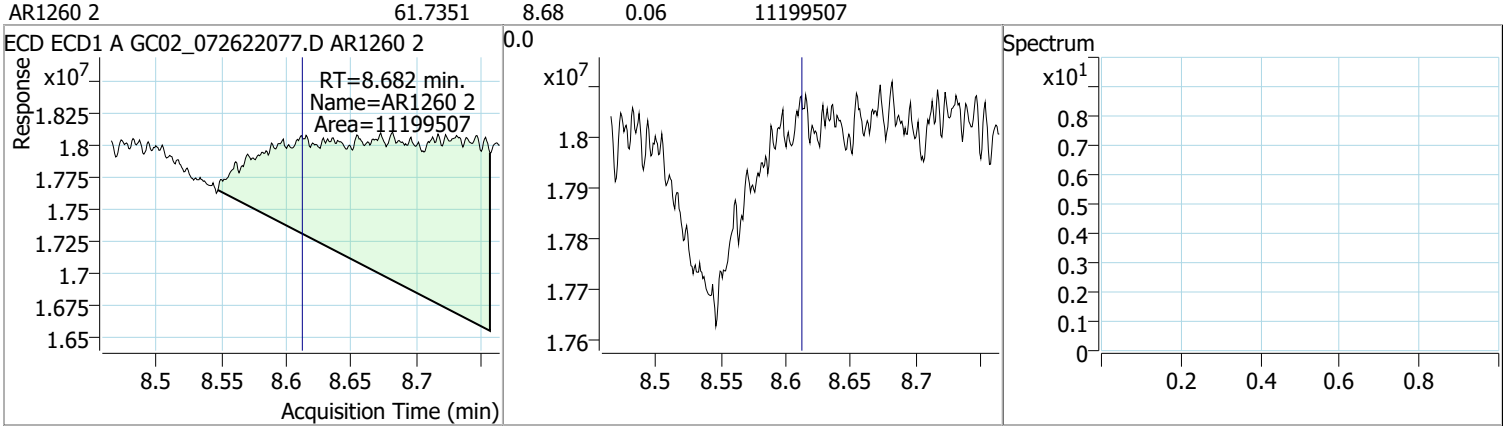
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	15.7007	7.34	-0.05	134366				



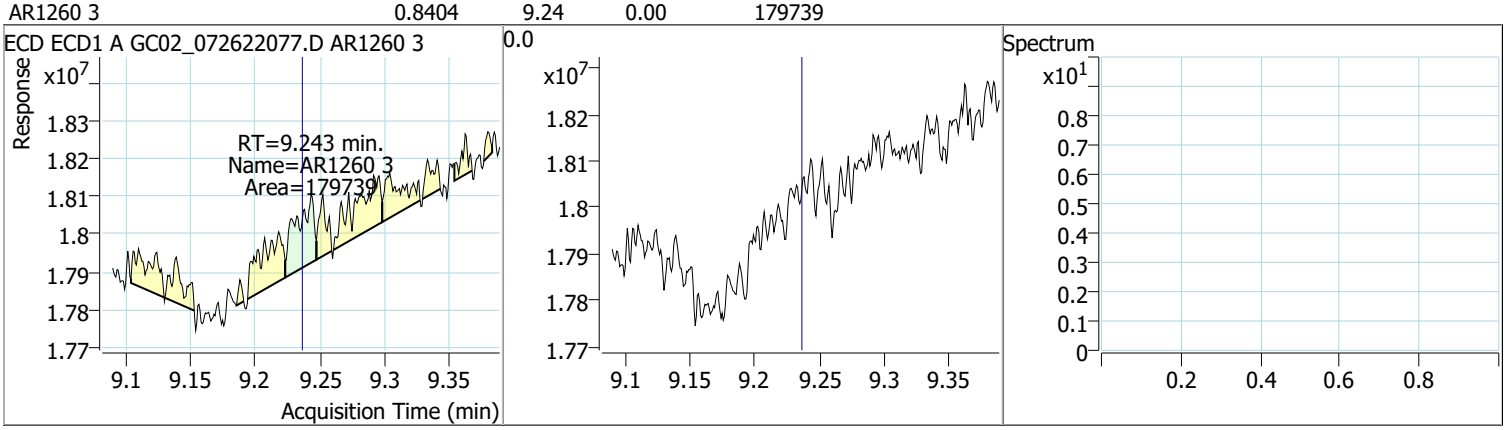
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1.4848	8.06	-0.02	173782				



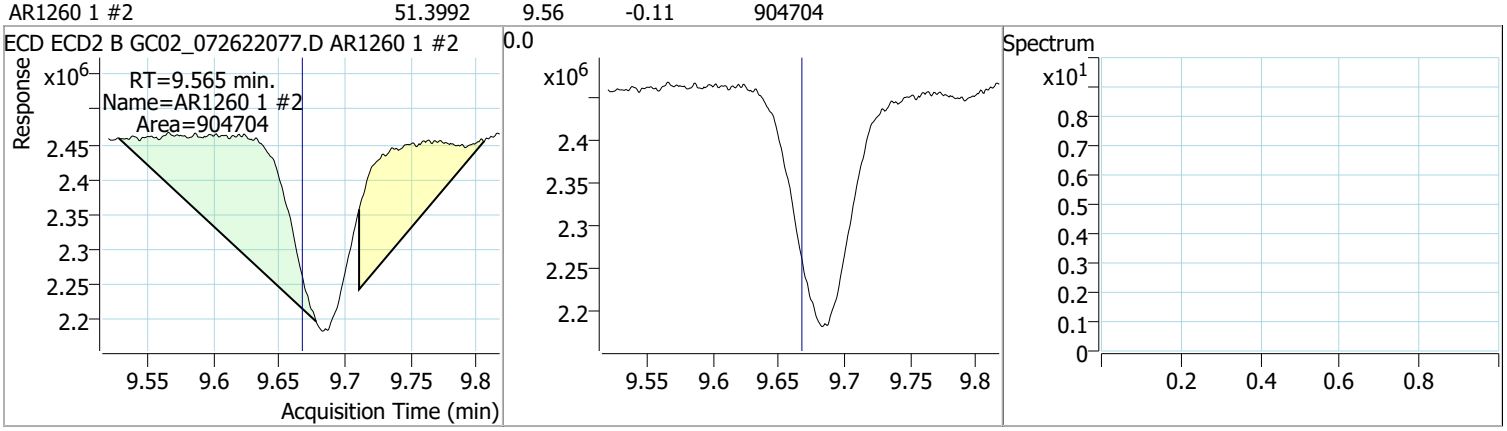
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	61.7351	8.68	0.06	11199507				



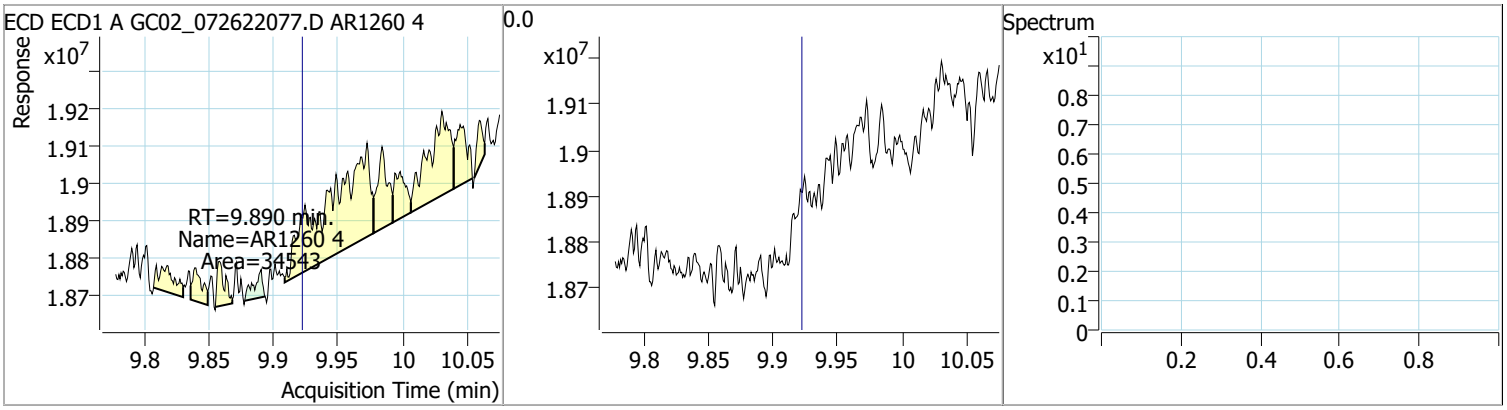
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.8404	9.24	0.00	179739				



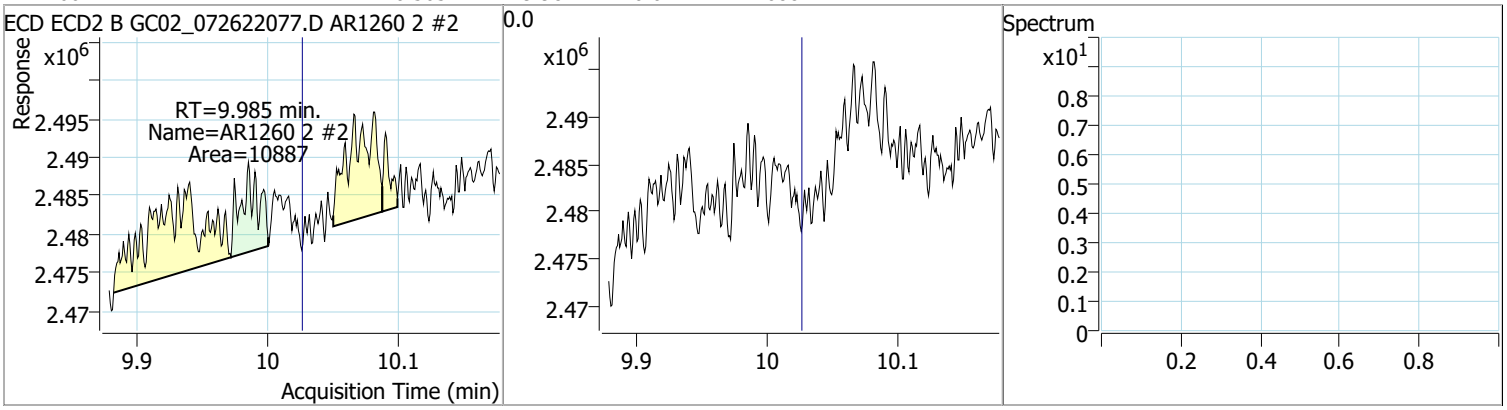
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	51.3992	9.56	-0.11	904704				



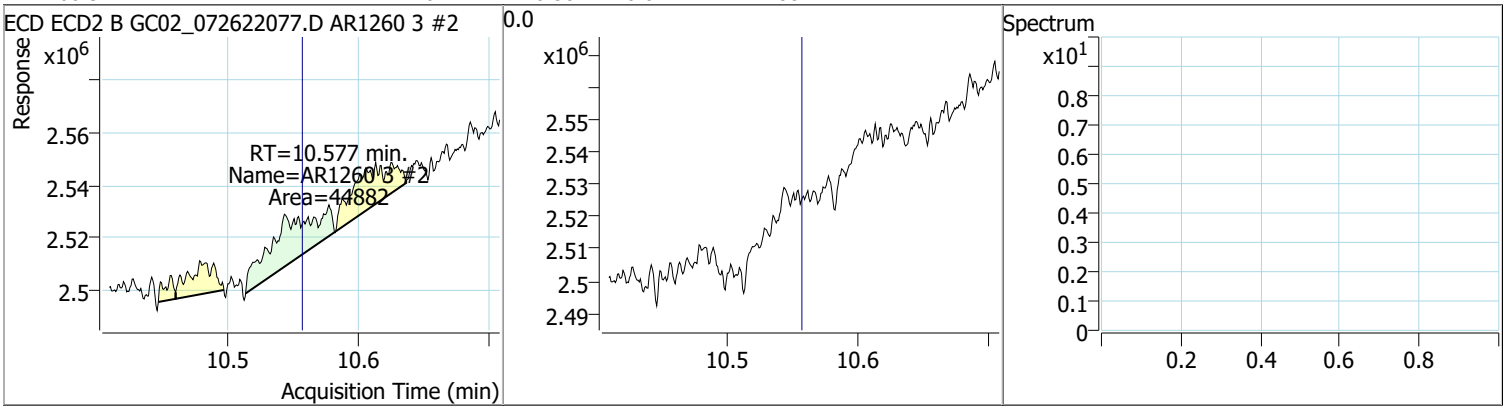
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	0.3568	9.89	-0.04	34543				



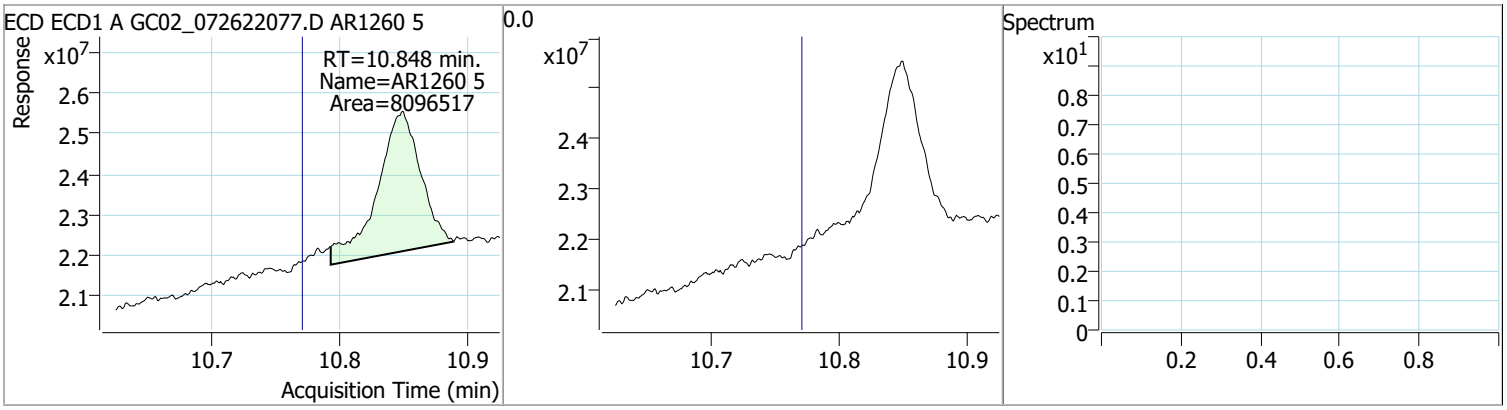
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.5652	9.98	-0.04	10887				



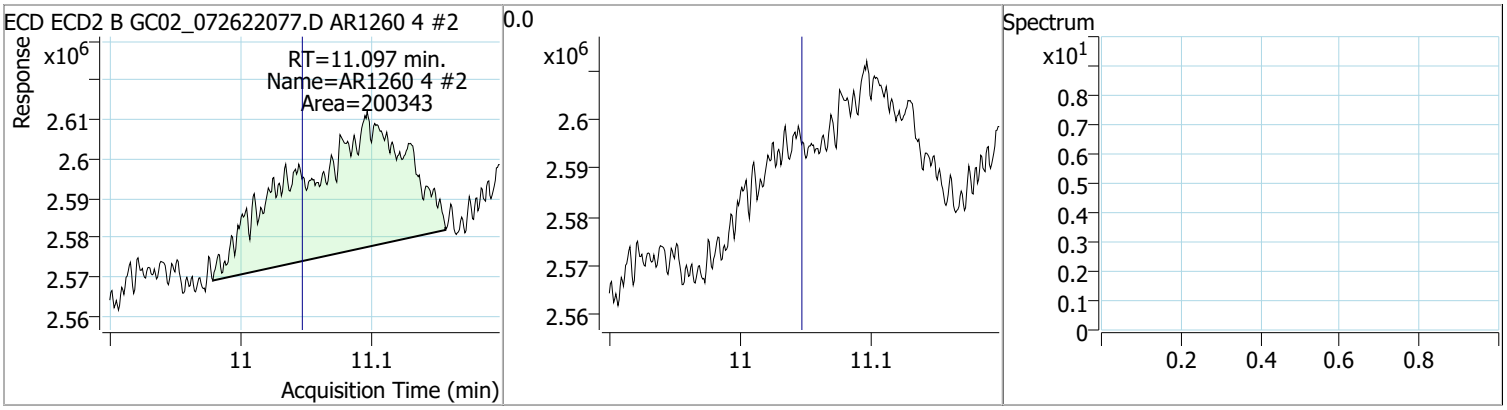
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1.7622	10.58	0.02	44882				



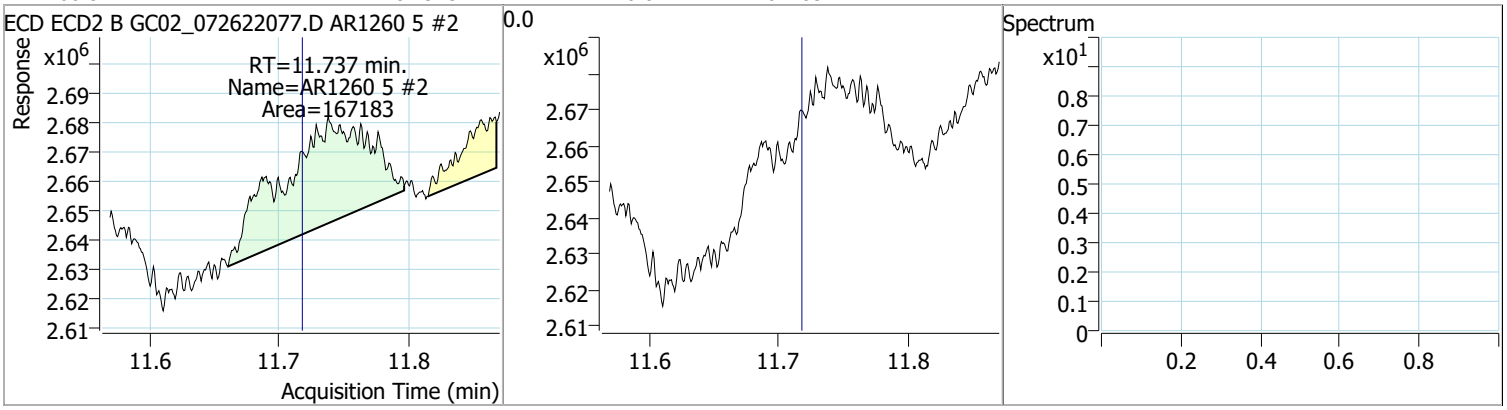
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	57.5032	10.85	0.07	8096517				



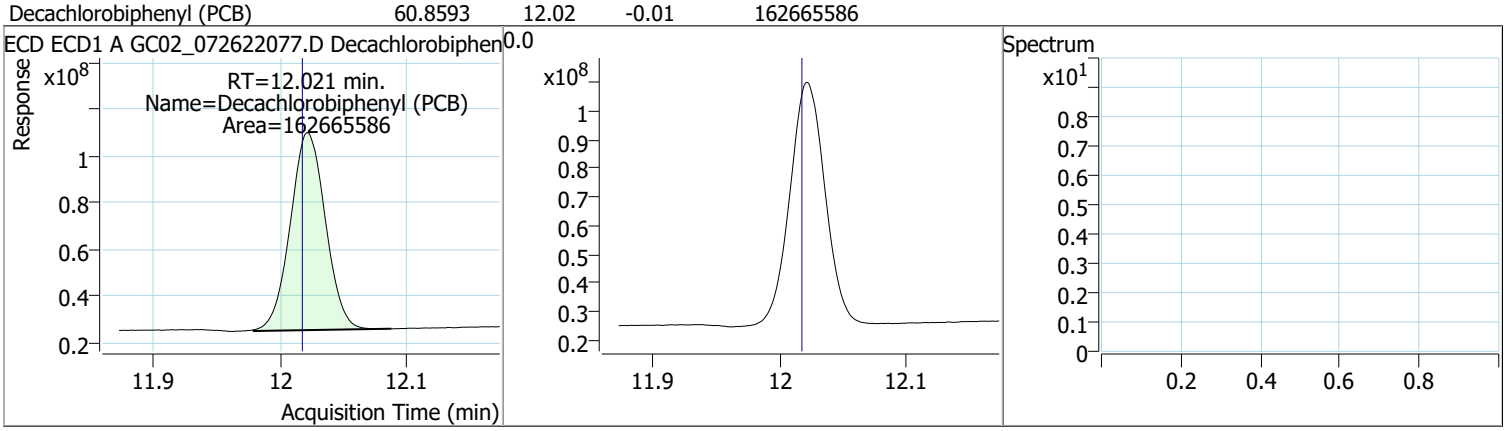
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	14.0930	11.10	0.05	200343				



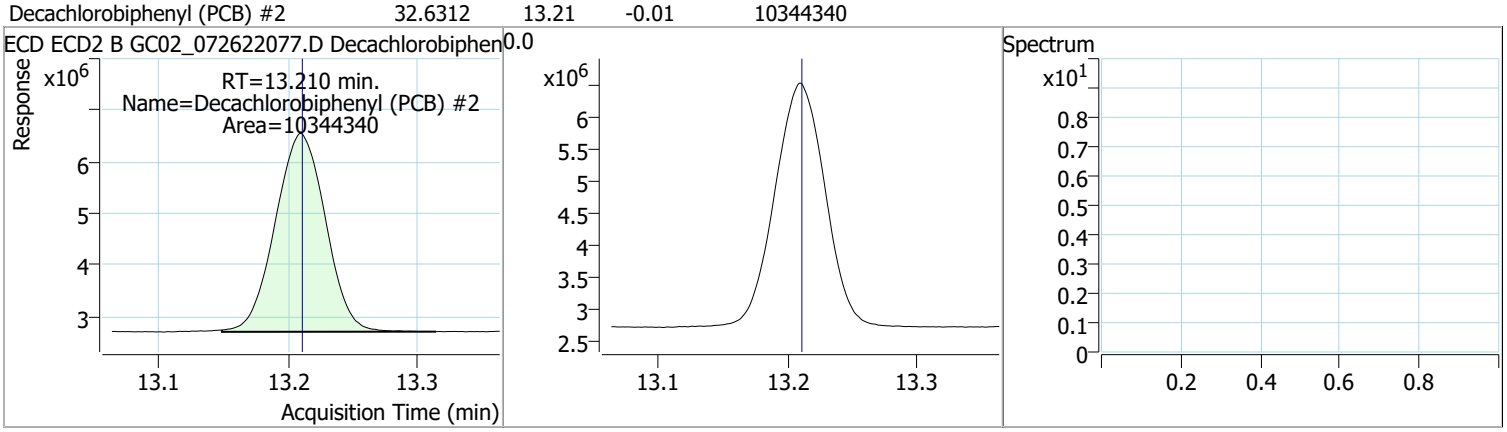
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	8.1945	11.74	0.02	167183				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	60.8593	12.02	-0.01	162665586				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	32.6312	13.21	-0.01	10344340				



ENTHALPY SPIKE USER REPORT FOR 465924 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC02	Inst:	SVOA-GC02
Seqnum:	212298819078.2	Seqnum:	212298819081.2
File:	gc02_072622-078	File:	gc02_072622-081
IDF:	1.0	IDF:	1.0
Lab ID:	QC1002661	Lab ID:	QC1002662
Matrix:	Wipe	Matrix:	Wipe
Batch:	293716	Batch:	293716
Time:	27-JUL-2022 17:10	Time:	27-JUL-2022 18:04
Cal:	212298819002	Cal:	212298819002
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	442.2	4.422	B	88	373.7	3.737	B	75	60-140	17	20	u
Aroclor-1016 Peak # 1		448.1	4.481	B		389.2	3.892	B					
Aroclor-1016 Peak # 2		437.9	4.379	B		380.5	3.805	B					
Aroclor-1016 Peak # 3		413.4	4.134	B		365.1	3.651	B					
Aroclor-1016 Peak # 4		429.3	4.293	B		383.8	3.838	B					
Aroclor-1016 Peak # 5		482.3	4.823	B		350.1	3.501	B					
Aroclor-1260	5.000	439.7	4.397	B	88	379.2	3.792	B	76	60-140	15	20	u
Aroclor-1260 Peak # 1		418.7	4.187	B		384.7	3.847	B					
Aroclor-1260 Peak # 2		453.6	4.536	B		391.0	3.910	B					
Aroclor-1260 Peak # 3		419.1	4.191	B		363.3	3.633	B					
Aroclor-1260 Peak # 4		445.3	4.453	B		362.9	3.629	B					
Aroclor-1260 Peak # 5		461.7	4.617	B		394.1	3.941	B					
Surrogates													
TCMX (PCB)	0.5000	39.72	0.3972	B	79	34.81	0.3481	B	70	52-186			c- u
Decachlorobiphenyl (PCB)	0.5000	37.27	0.3727	B	75	32.36	0.3236	B	65	60-140			u

ISTD (ICV/CCV gc02_072622-054)	Ch	ICV/CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5270587	4862879	-7.74
1-bromo-2-nitrobenzene (PCB)	A	99139019	56616122	-42.89

ISTD (ICV/CCV gc02_072622-054)	Ch	ICV/CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.14	4.14	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.95	3.95	0.00

ISTD (ICV/CCV gc02_072622-054)	Ch	ICV/CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5270587	8054270	52.82
1-bromo-2-nitrobenzene (PCB)	A	99139019	81723845	-17.57

ISTD (ICV/CCV gc02_072622-054)	Ch	ICV/CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.14	4.14	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.95	3.95	0.00

TRN 07/28/22 [Aroclor-1016 Peak # 3 A]: Separated from coeluting peak for all channels for spike & dup. [general version]

TRN 07/28/22 [Aroclor-1016 Peak # 5 A]: Separated from coeluting peak for Ch. A for spike & dup. [general version]

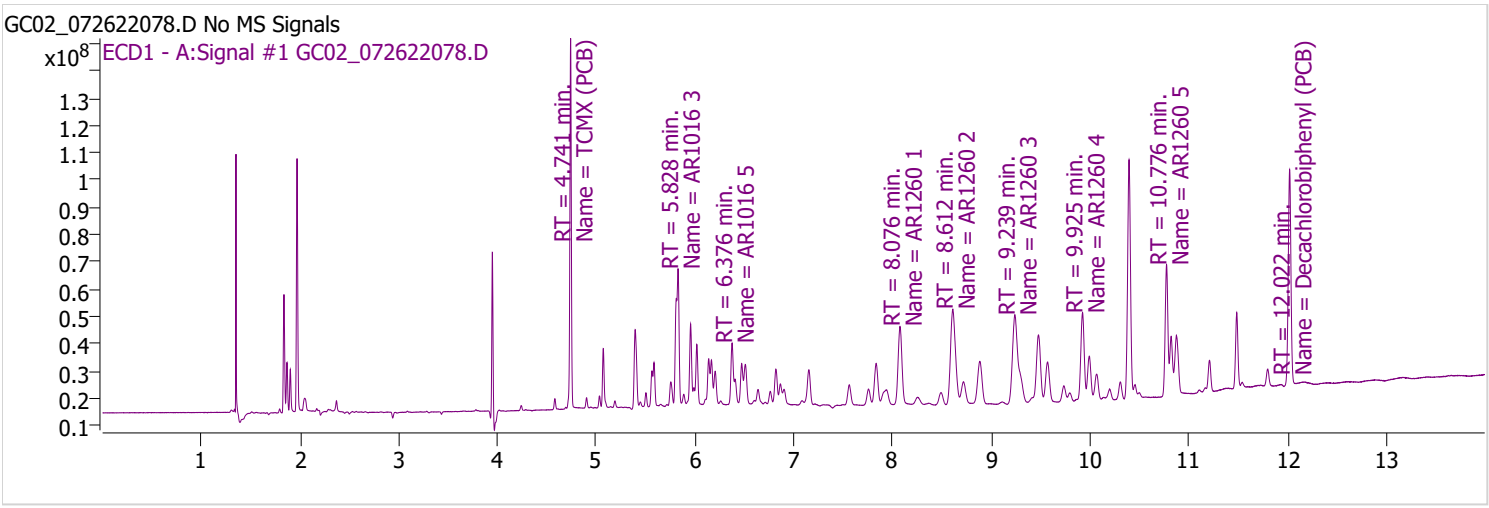
TRN 07/28/22 [1-bromo-2-nitrobenzene (PCB) B]: Corrected baseline noise or negative peak for Ch. B for spike. [general version]

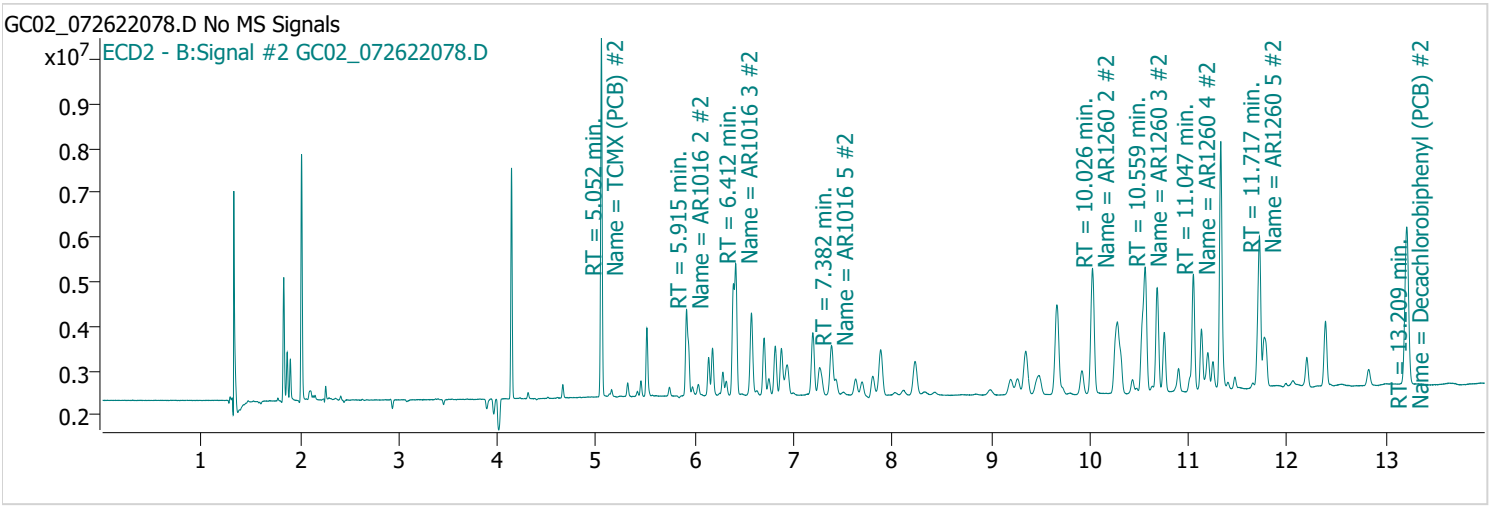
-=low bias c=CCV u=use

Analyst: TRN 07/28/22 **Reviewer:** LW 07/28/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_072622078.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	7/27/2022 5:10:49 PM
Sample Name	QC1002661, 293716, 1	Instrument	SVOA-GC02
Vial	11	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_1.m	Comment	WIPE/1dm2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	072622PCB2.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



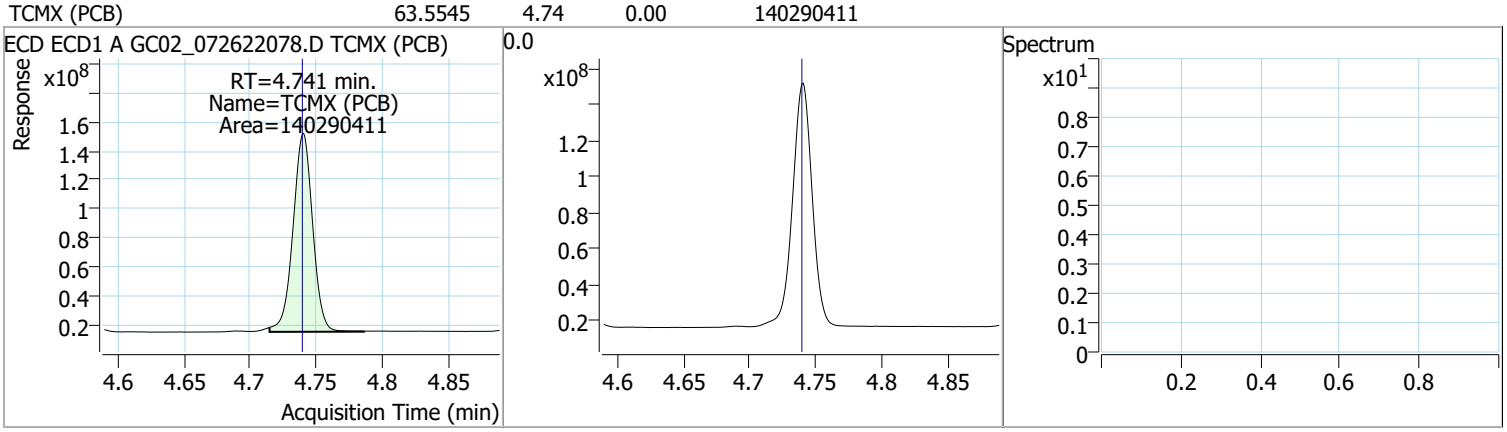


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.948	0.0	56616121.994	20.0000	ng/ml		-0.004
M 1-bromo-2-nitrobenzene (PCB) #2	4.142	0.0	4862879.230	20.0000	ng/ml	m	-0.002
System Monitoring Compounds							
S TCMX (PCB)	4.741	0.0	140290410.531	63.5545	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 317.77%		*	
S TCMX (PCB) #2	5.052	0.0	8823712.013	39.7110	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.56%		*	
S Decachlorobiphenyl (PCB)	12.022	0.0	150398206.683	56.7555	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 283.78%		*	
S Decachlorobiphenyl (PCB) #2	13.209	0.0	9255875.925	37.2604	ng/ml		-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 186.30%		*	
Target Compounds							QValue

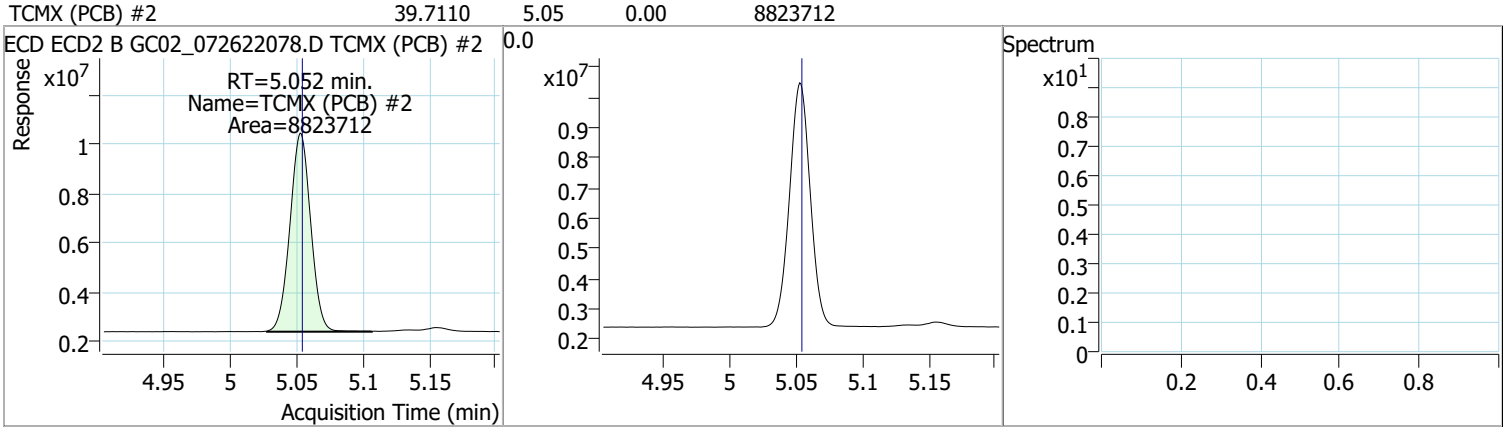
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.071	0.0	26531744.870	713.9002	ng/ml		100
T AR1016 2	5.394	0.0	50151480.356	698.9852	ng/ml		100
T AR1016 1 #2	5.513	0.0	2052439.135	447.9479	ng/ml		100
T AR1016 3	5.828	0.0	69089260.373	613.1202	ng/ml	m	100
T AR1016 2 #2	5.915	0.0	4114027.884	437.8228	ng/ml		100
T AR1016 4	5.956	0.0	41280574.014	626.1480	ng/ml		100
T AR1016 5	6.376	0.0	37439187.007	648.2451	ng/ml		100
T AR1016 3 #2	6.412	0.0	4812334.290	413.3468	ng/ml	m	100
T AR1016 4 #2	6.572	0.0	3536077.757	429.2073	ng/ml		100
T AR1016 5 #2	7.382	0.0	3233385.513	482.1548	ng/ml		100
T AR1260 1	8.076	0.0	78089334.149	672.9610	ng/ml		100
T AR1260 2	8.612	0.0	120706138.700	671.1140	ng/ml		100
T AR1260 3	9.239	0.0	137765168.511	649.7164	ng/ml		100
T AR1260 1 #2	9.666	0.0	5773254.726	418.5724	ng/ml		100
T AR1260 4	9.925	0.0	73517051.960	765.9623	ng/ml		100
T AR1260 2 #2	10.026	0.0	6844689.335	453.5188	ng/ml		100
T AR1260 3 #2	10.559	0.0	8362462.400	418.9909	ng/ml		100
T AR1260 5	10.776	0.0	92145825.725	660.0896	ng/ml		100
T AR1260 4 #2	11.047	0.0	4959867.159	445.2443	ng/ml		100
T AR1260 5 #2	11.717	0.0	7378963.767	461.5592	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

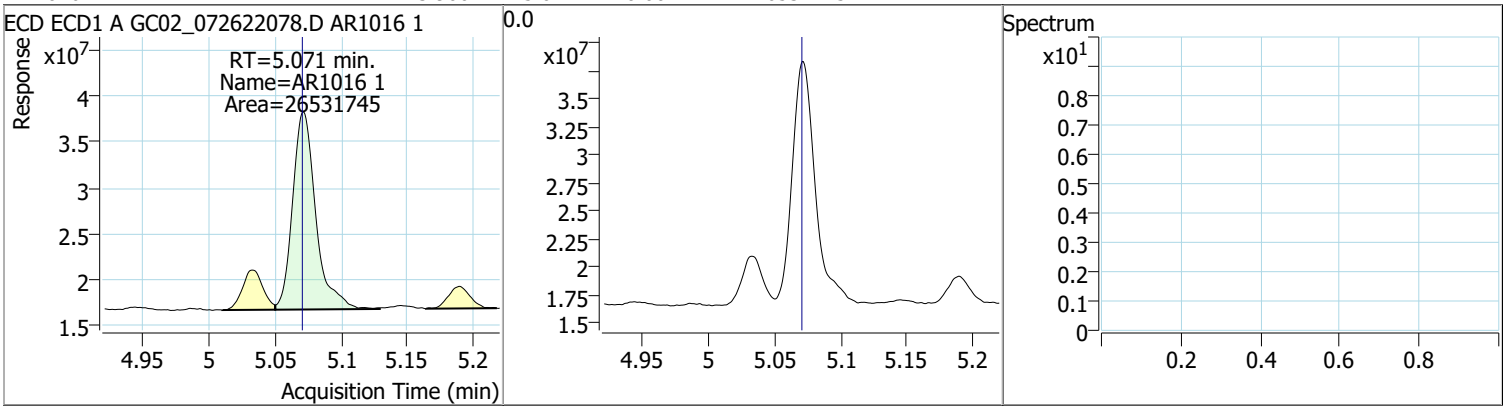
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	63.5545	4.74	0.00	140290411				



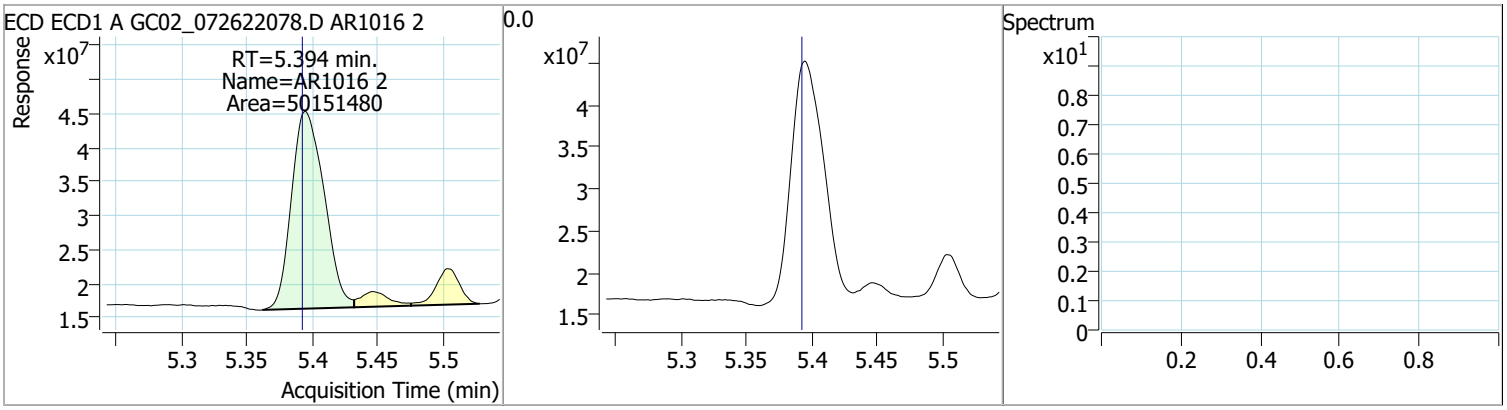
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.7110	5.05	0.00	8823712				



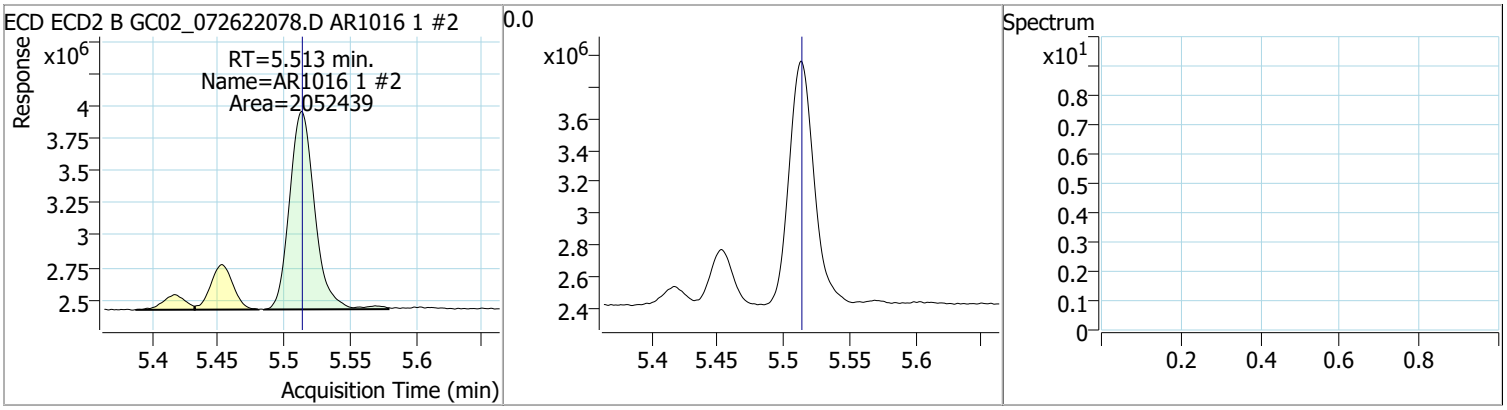
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	713.9002	5.07	0.00	26531745				



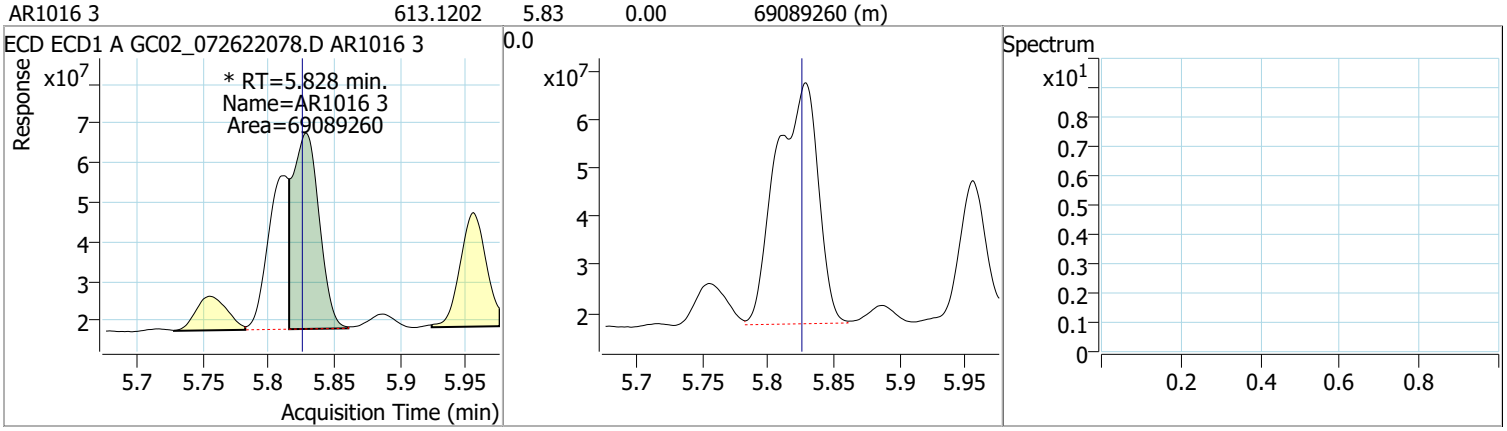
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	698.9852	5.39	0.00	50151480				



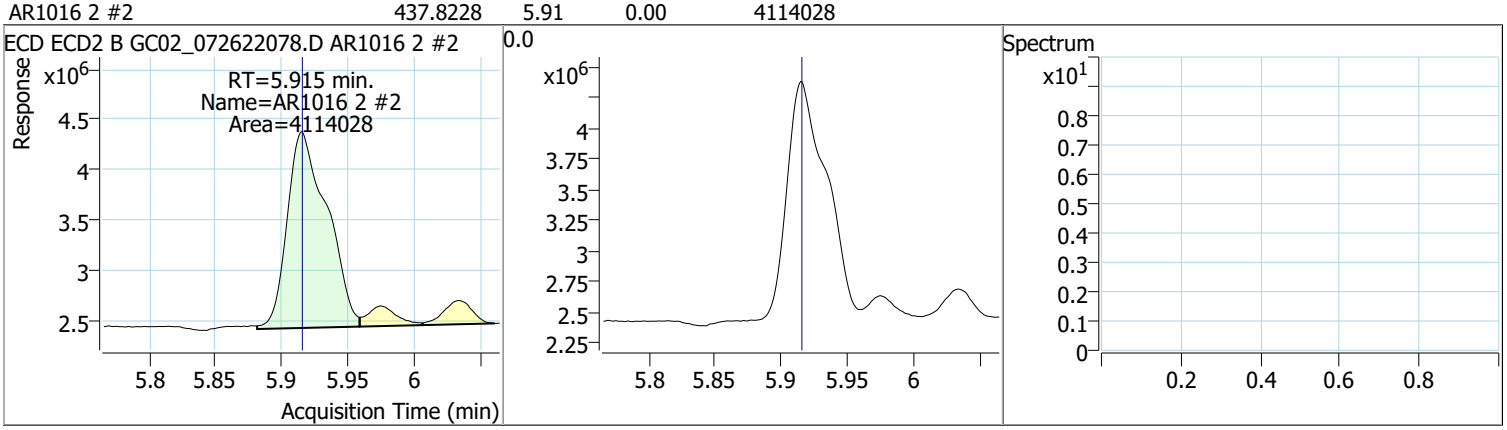
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	447.9479	5.51	0.00	2052439				



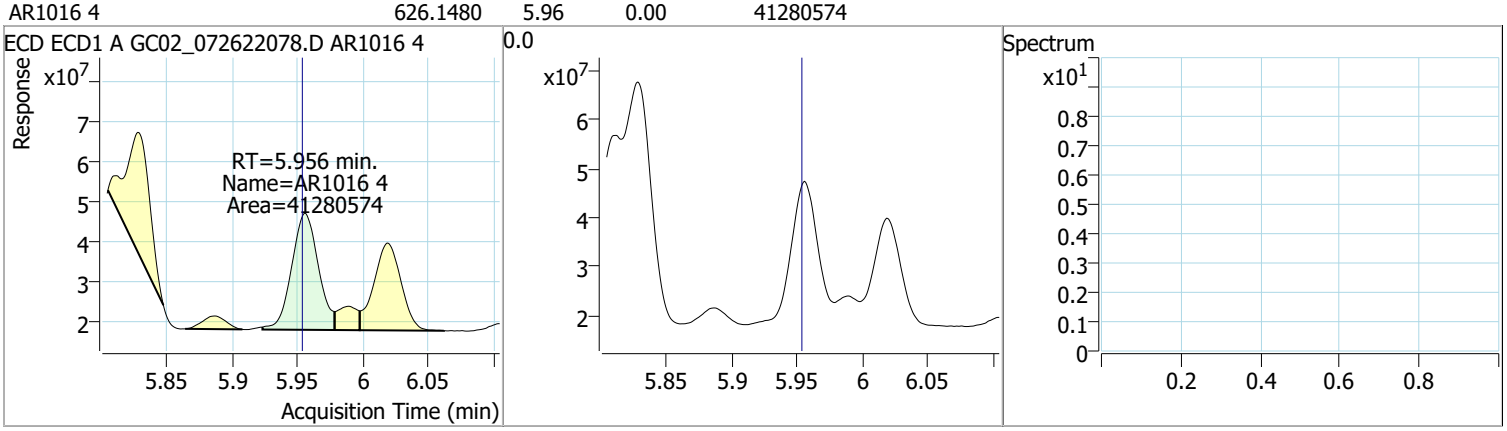
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	613.1202	5.83	0.00	69089260 (m)				



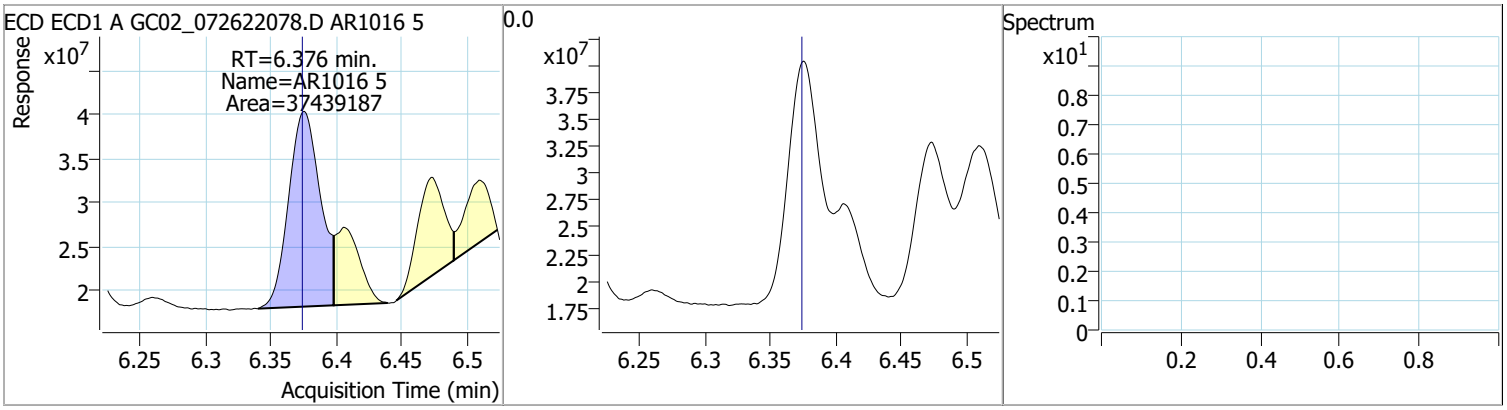
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	437.8228	5.91	0.00	4114028				



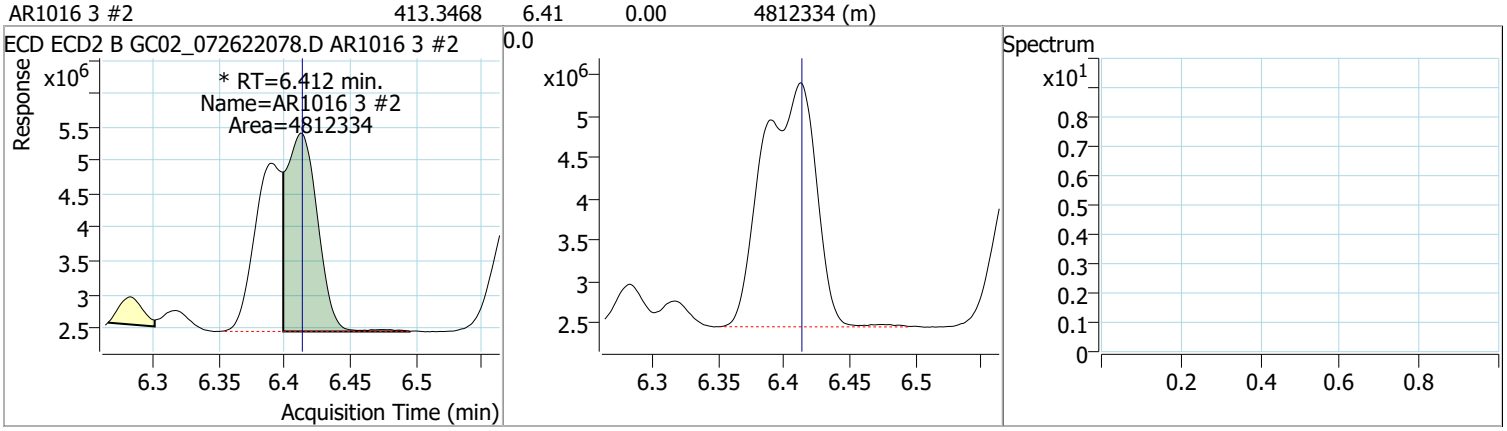
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	626.1480	5.96	0.00	41280574				



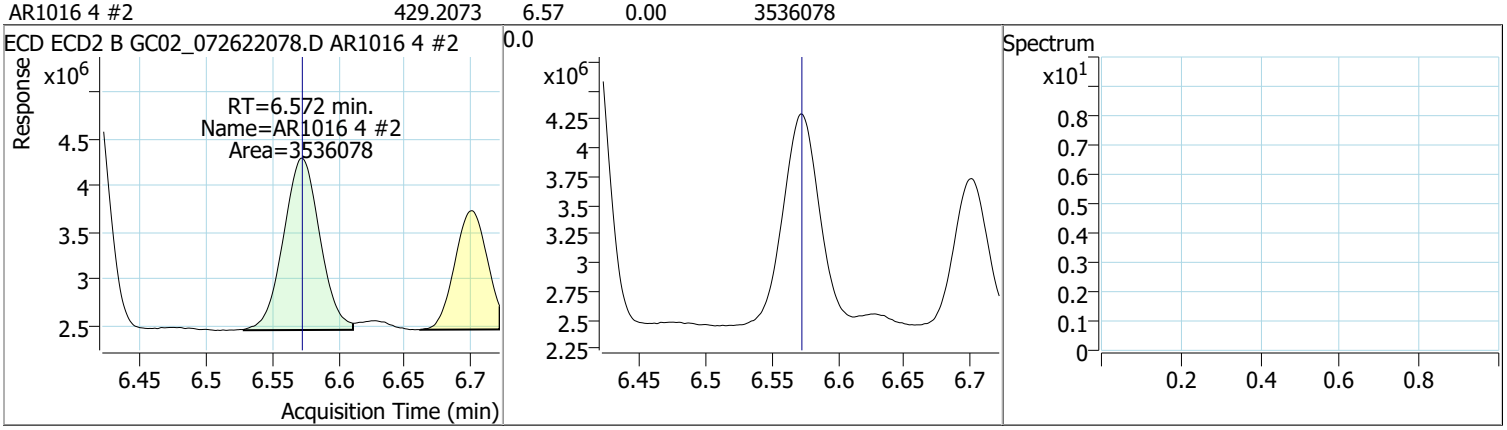
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	648.2451	6.38	0.00	37439187				



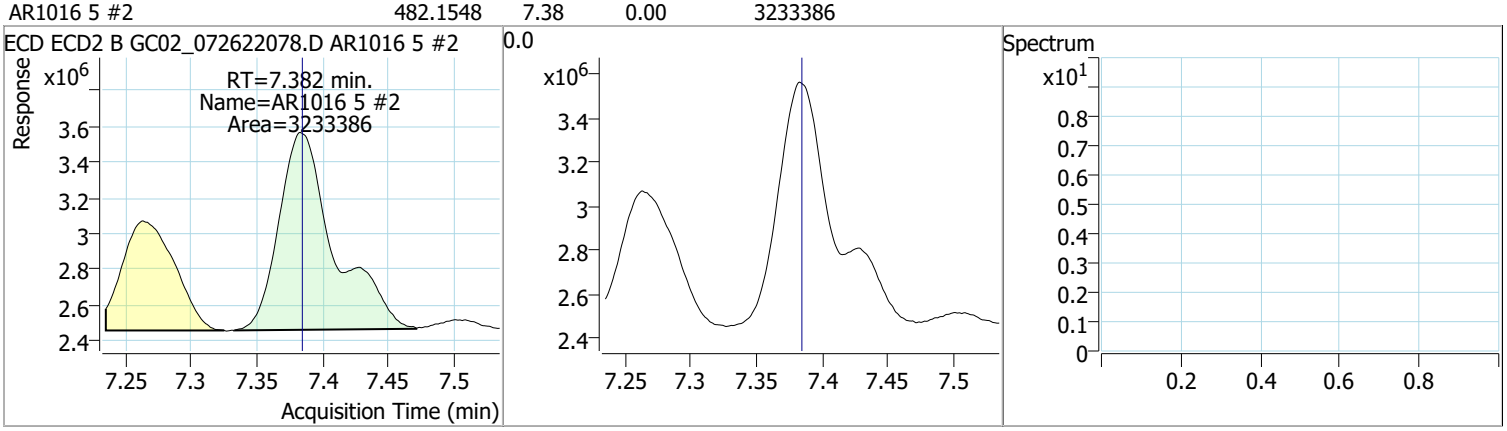
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	413.3468	6.41	0.00	4812334 (m)				



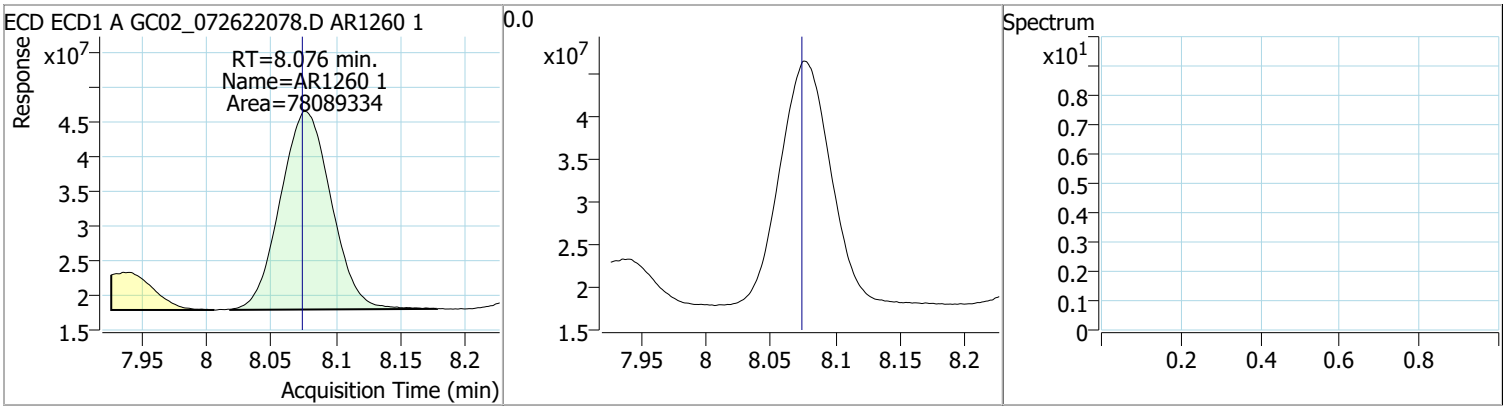
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	429.2073	6.57	0.00	3536078				



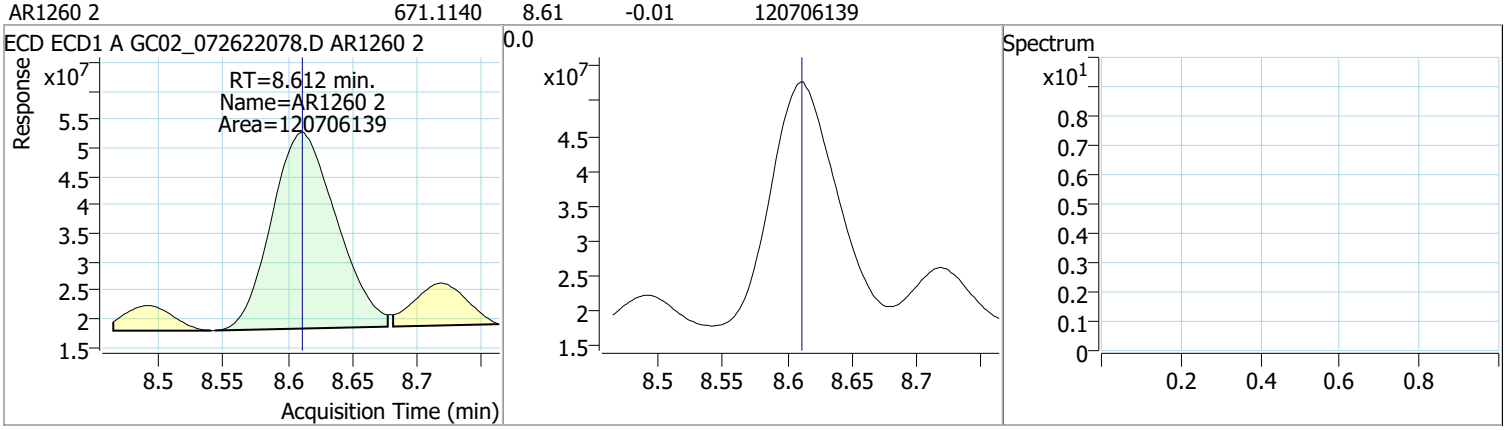
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	482.1548	7.38	0.00	3233386				



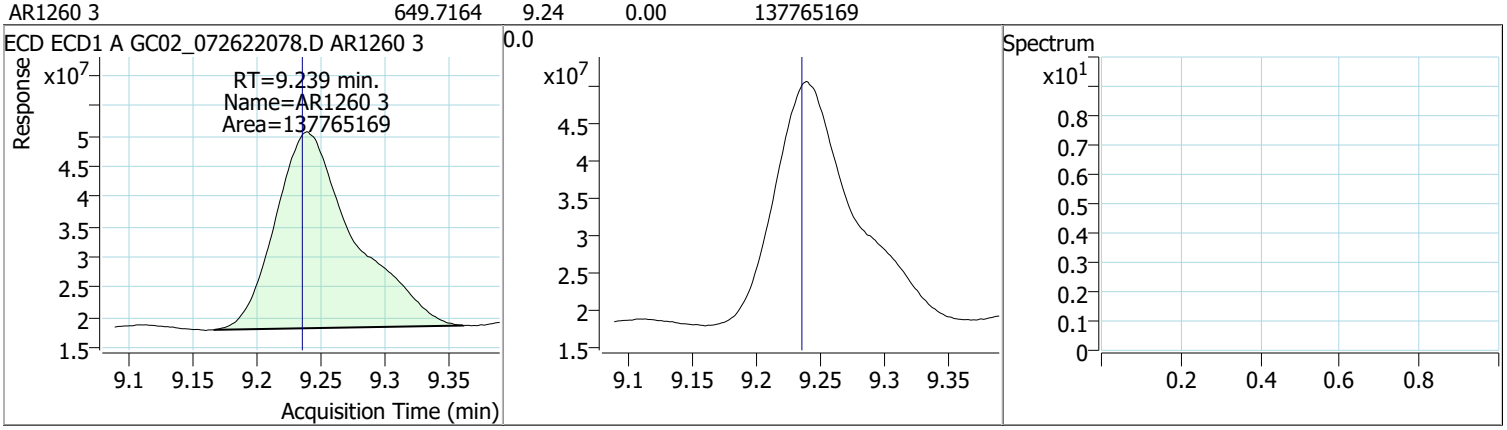
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	672.9610	8.08	0.00	78089334				



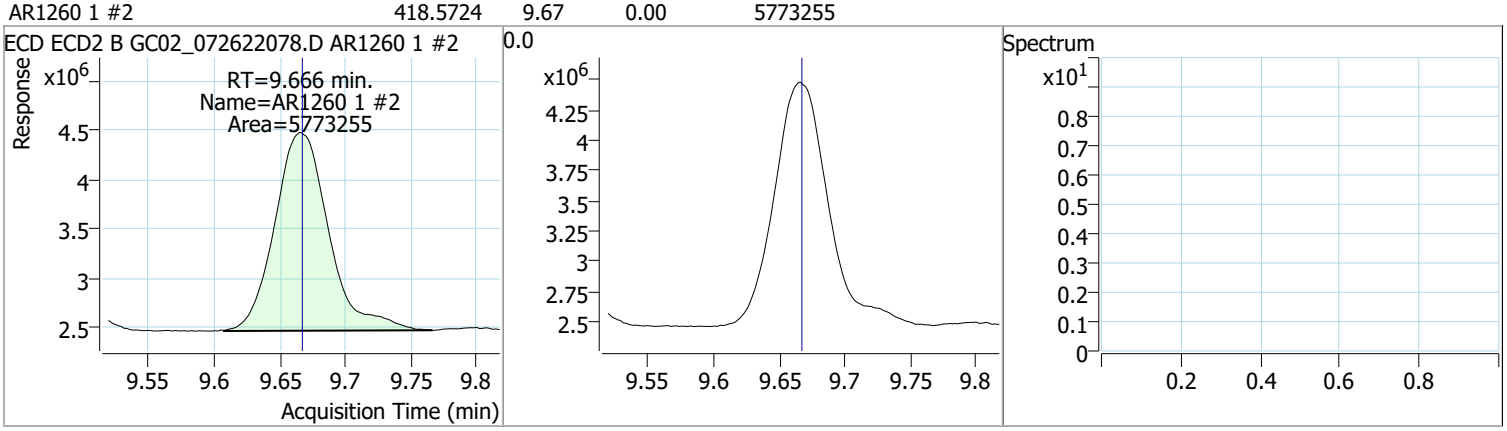
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	671.1140	8.61	-0.01	120706139				



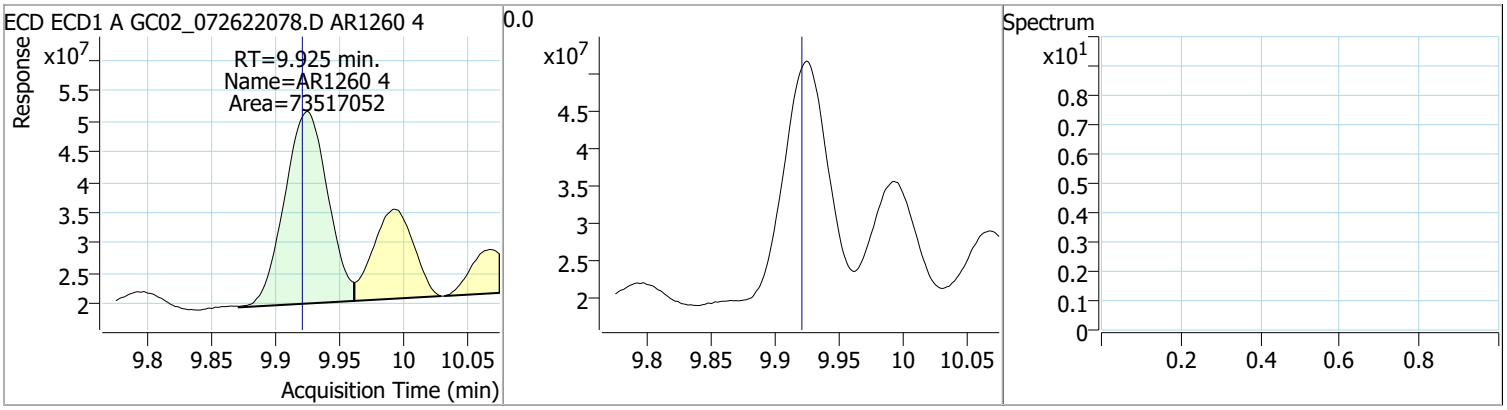
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	649.7164	9.24	0.00	137765169				



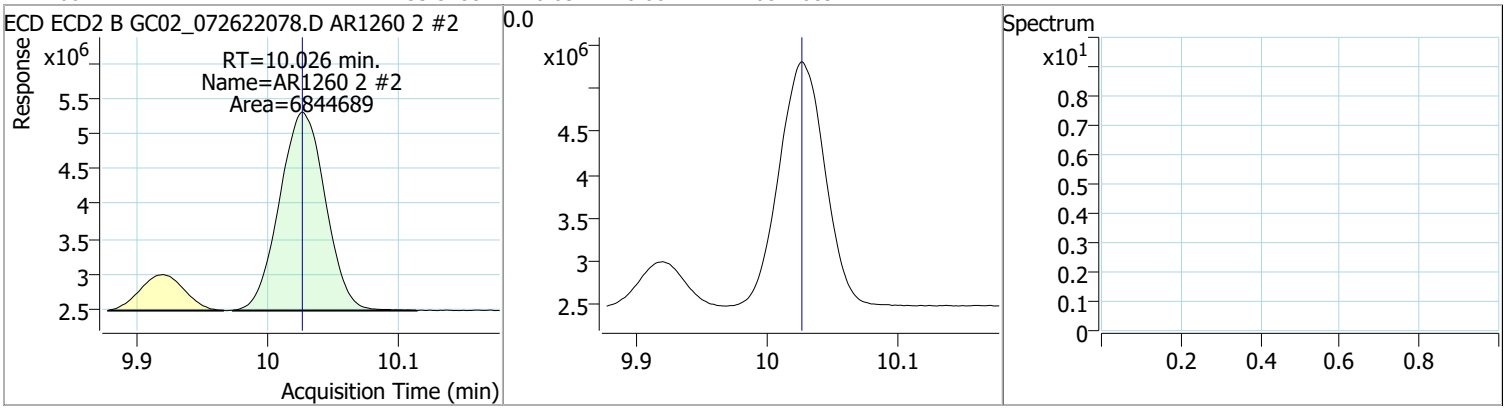
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	418.5724	9.67	0.00	5773255				



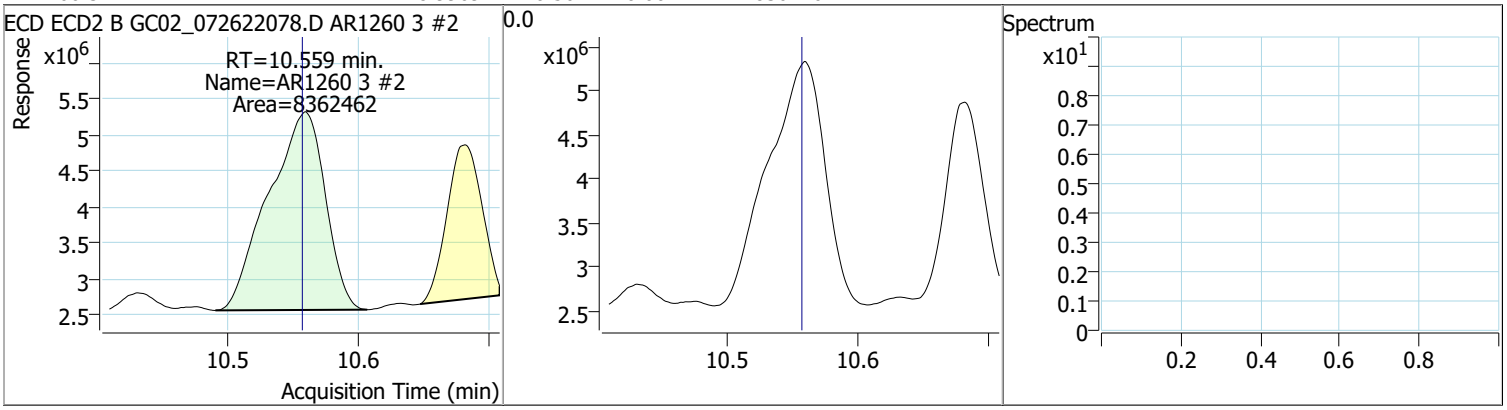
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	765.9623	9.92	0.00	73517052				



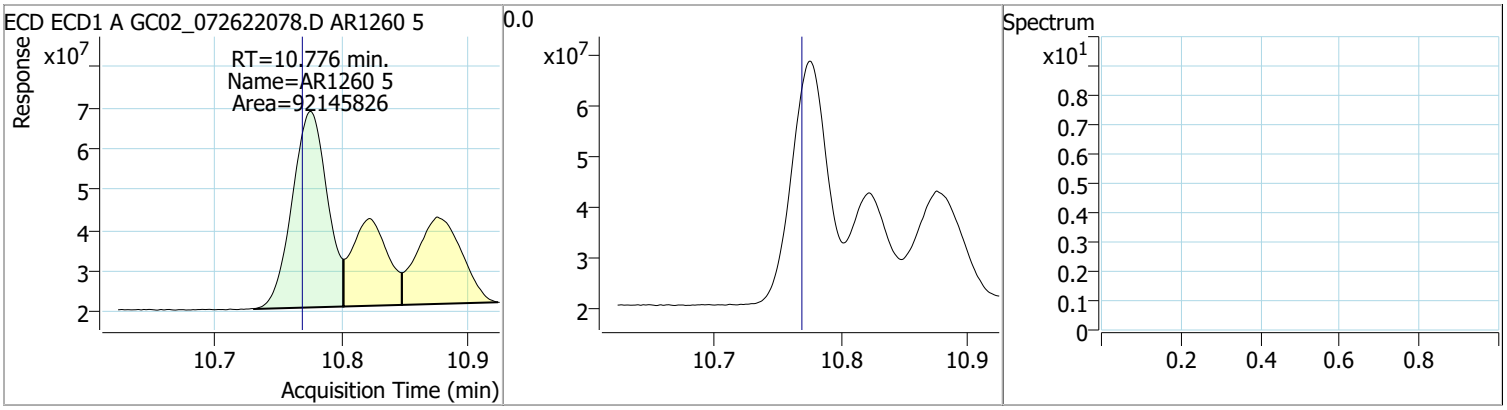
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	453.5188	10.03	0.00	6844689				



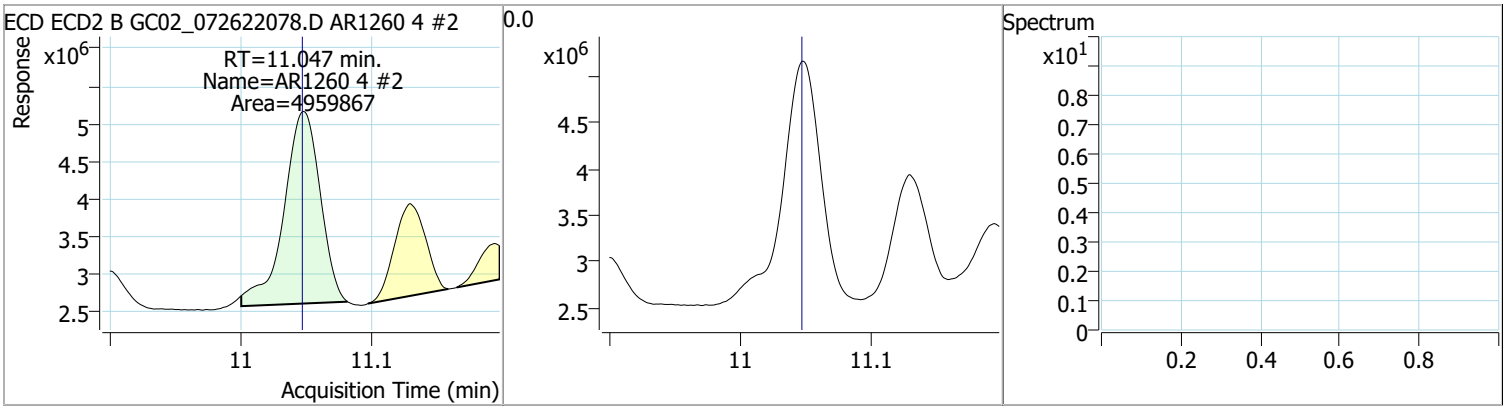
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	418.9909	10.56	0.00	8362462				



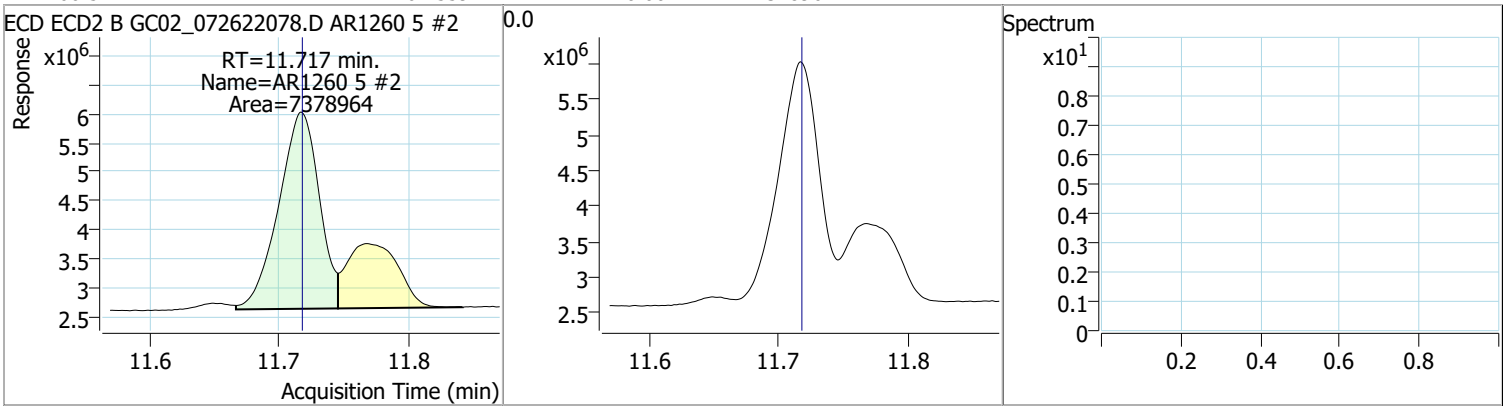
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	660.0896	10.78	0.00	92145826				



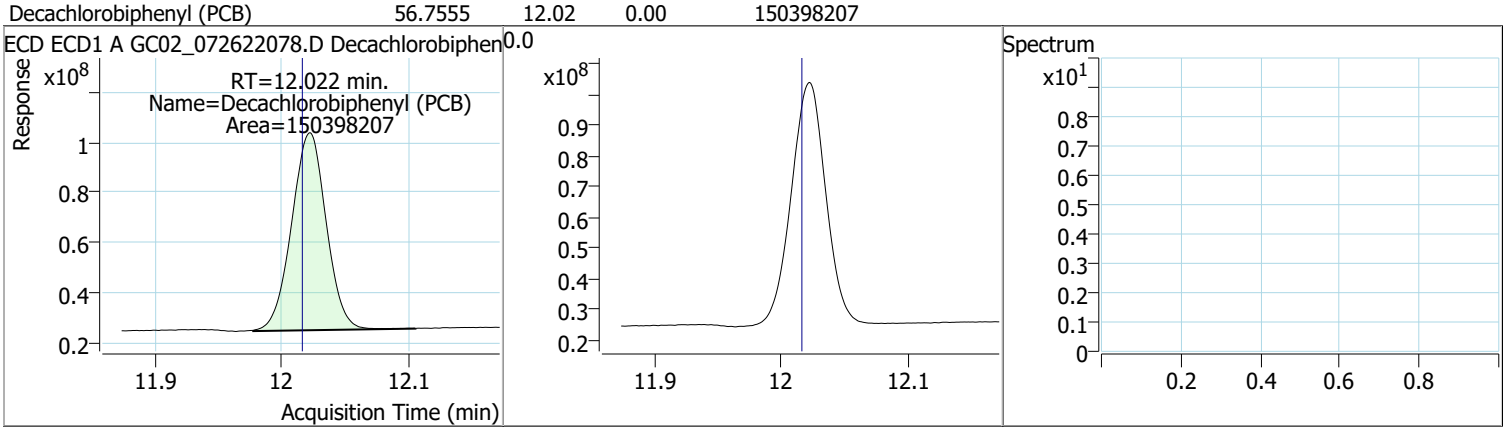
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	445.2443	11.05	0.00	4959867				



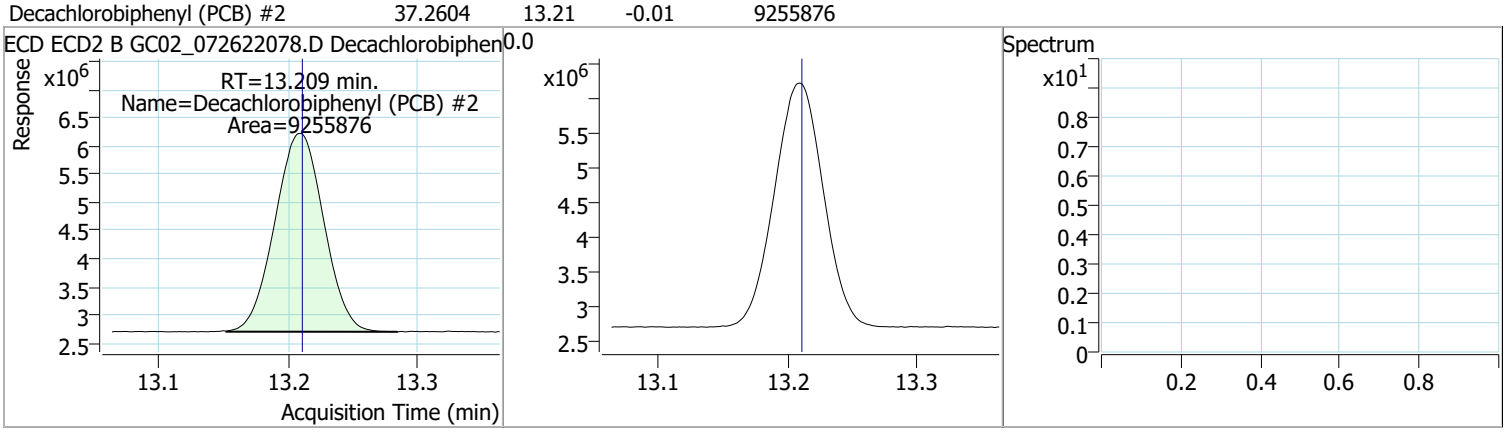
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	461.5592	11.72	0.00	7378964				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	56.7555	12.02	0.00	150398207				

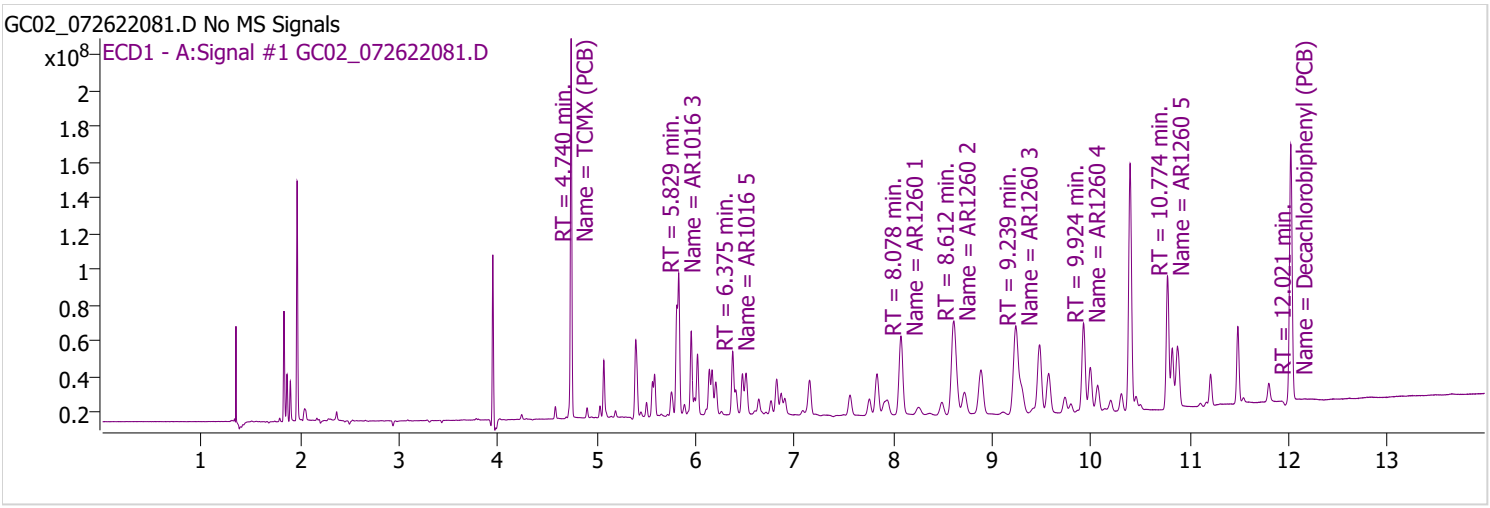


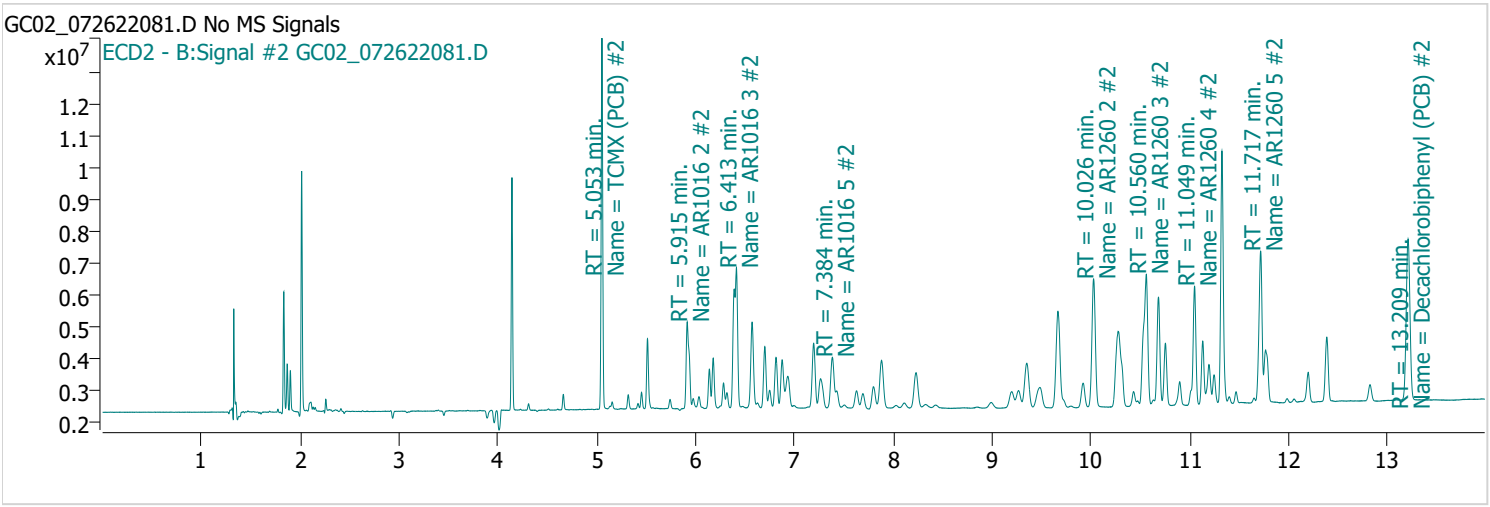
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	37.2604	13.21	-0.01	9255876				



Quantitation Results Report (Not Reviewed)

Data File	GC02_072622081.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	7/27/2022 6:04:29 PM
Sample Name	QC1002662, 293716, 1	Instrument	SVOA-GC02
Vial	12	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_1.m	Comment	WIPE/1dm2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	072622PCB2.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



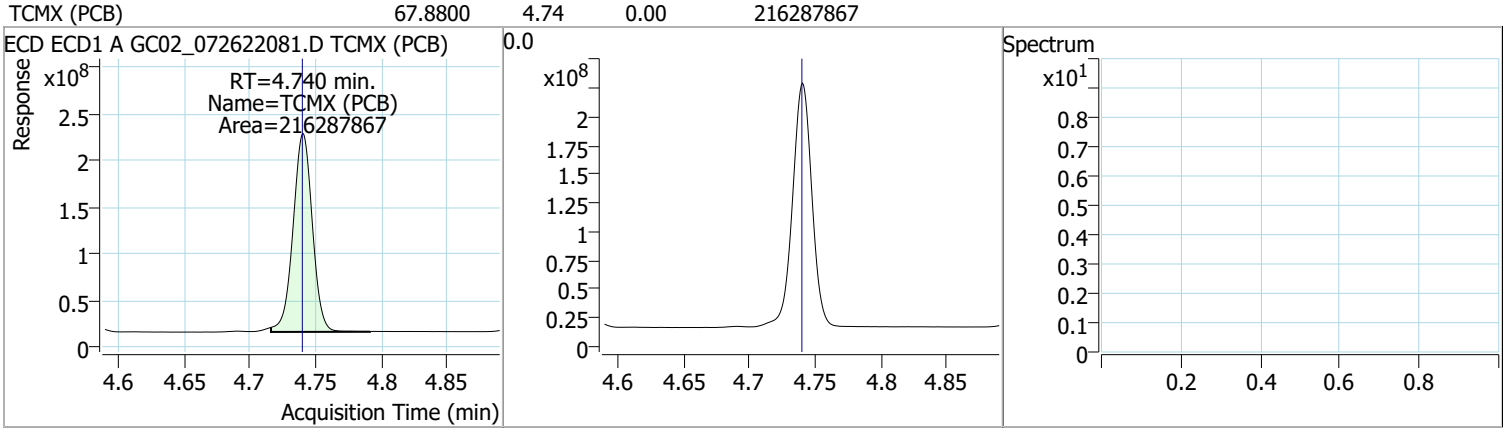


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.949	0.0	81723845.067	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.142	0.0	8054270.347	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB)	4.740	0.0	216287867.488	67.8800	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 339.40%		*	
S TCMX (PCB) #2	5.053	0.0	12807100.360	34.7999	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 174.00%		*	
S Decachlorobiphenyl (PCB)	12.021	0.0	277882827.474	72.6471	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 363.24%		*	
S Decachlorobiphenyl (PCB) #2	13.209	0.0	13310039.354	32.3502	ng/ml		-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 161.75%		*	
Target Compounds							QValue

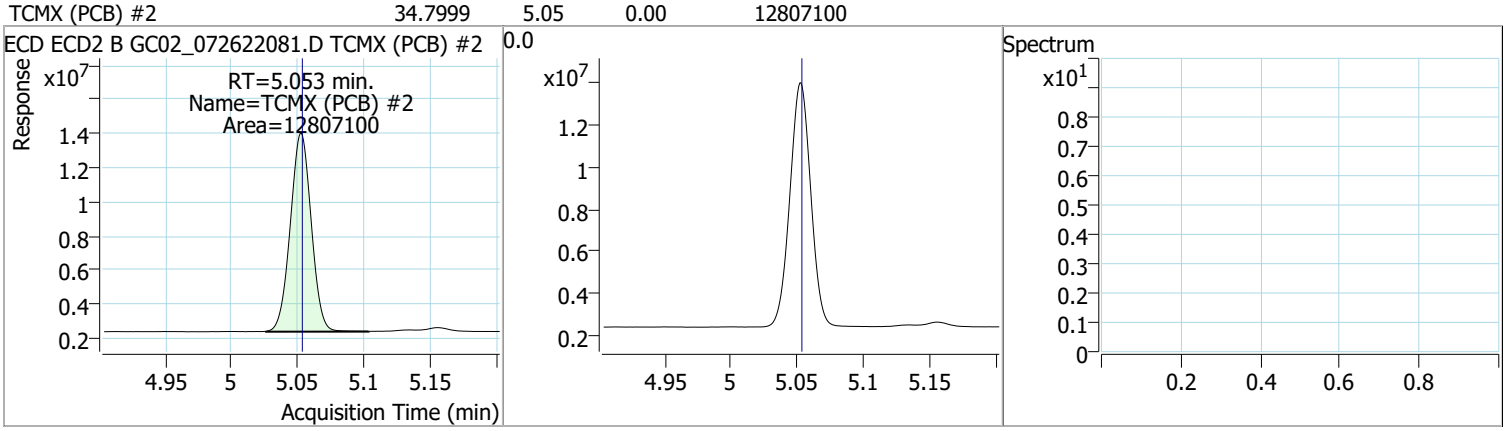
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.071	0.0	38903239.044	725.1849	ng/ml		100
T AR1016 2	5.395	0.0	74624732.194	720.5404	ng/ml		100
T AR1016 1 #2	5.513	0.0	2952676.676	389.0814	ng/ml		100
T AR1016 3	5.829	0.0	107063483.284	658.2150	ng/ml	m	100
T AR1016 2 #2	5.915	0.0	5920615.399	380.4217	ng/ml		100
T AR1016 4	5.955	0.0	64058174.785	673.1273	ng/ml		100
T AR1016 5	6.375	0.0	57288947.943	687.1871	ng/ml		100
T AR1016 3 #2	6.413	0.0	7039351.188	365.0554	ng/ml	m	100
T AR1016 4 #2	6.571	0.0	5236089.711	383.7246	ng/ml		100
T AR1016 5 #2	7.384	0.0	3887613.632	350.0091	ng/ml	m	100
T AR1260 1	8.078	0.0	117264646.348	700.0944	ng/ml		100
T AR1260 2	8.612	0.0	182907643.494	704.5148	ng/ml		100
T AR1260 3	9.239	0.0	209183569.789	683.4446	ng/ml		100
T AR1260 1 #2	9.665	0.0	8785979.809	384.5983	ng/ml		100
T AR1260 4	9.924	0.0	112135085.909	809.3794	ng/ml		100
T AR1260 2 #2	10.026	0.0	9772867.177	390.9586	ng/ml		100
T AR1260 3 #2	10.560	0.0	12005820.642	363.1864	ng/ml		100
T AR1260 5	10.774	0.0	141743743.146	703.4325	ng/ml		100
T AR1260 4 #2	11.049	0.0	6693263.970	362.7719	ng/ml		100
T AR1260 5 #2	11.717	0.0	10434230.293	394.0576	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

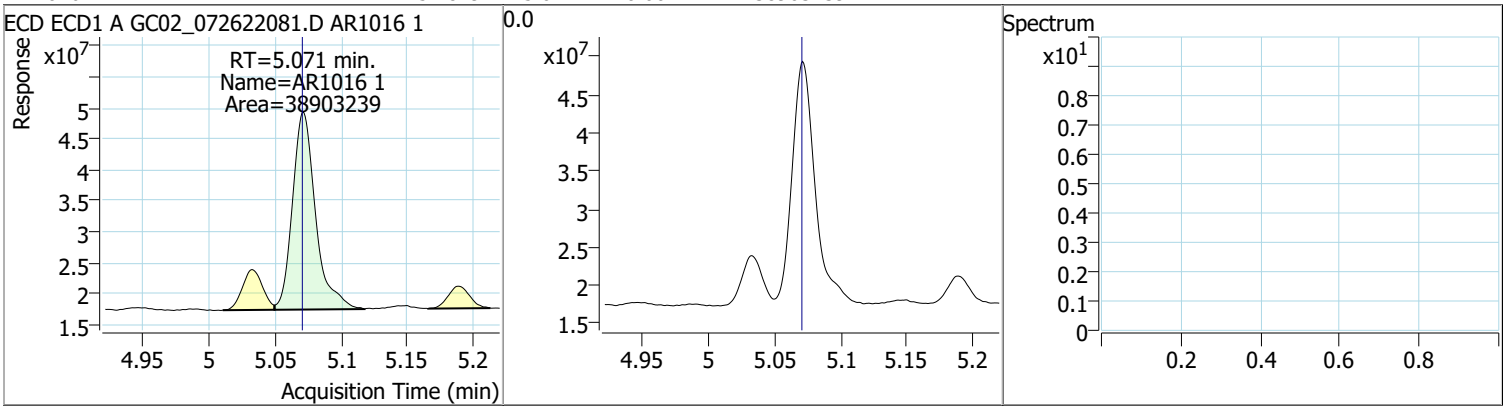
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	67.8800	4.74	0.00	216287867				



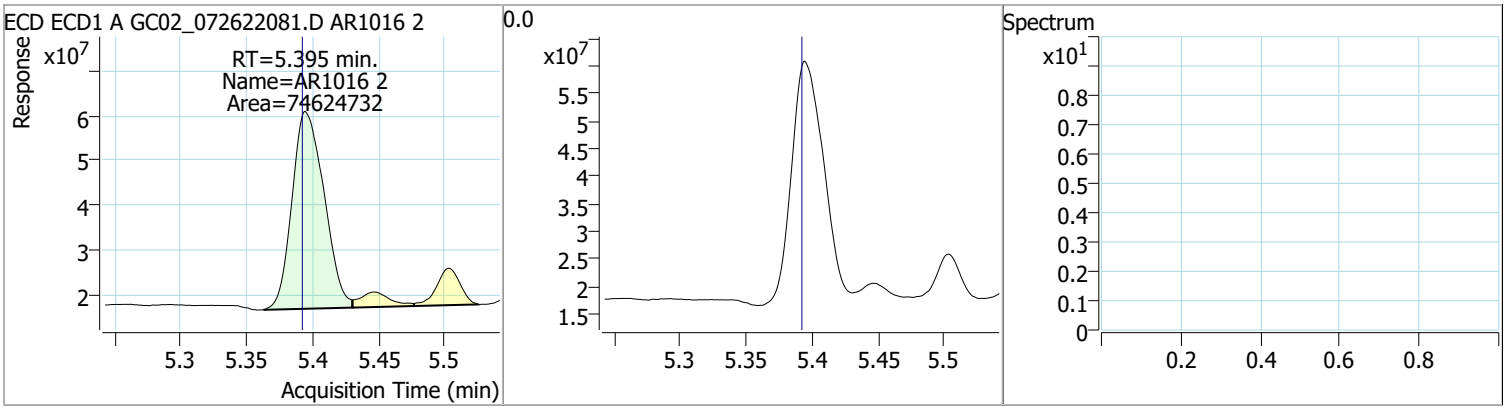
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	34.7999	5.05	0.00	12807100				



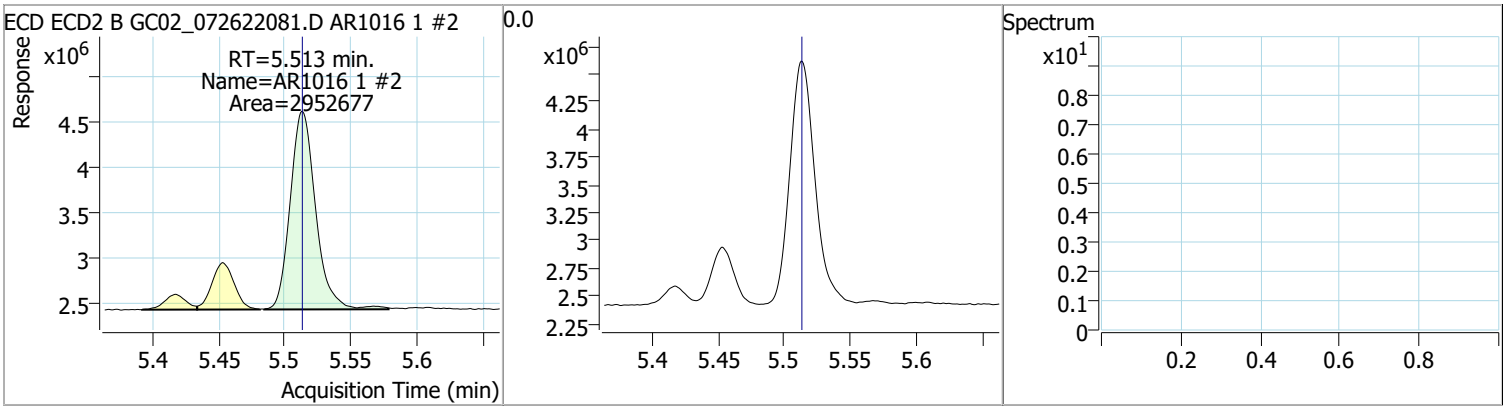
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	725.1849	5.07	0.00	38903239				



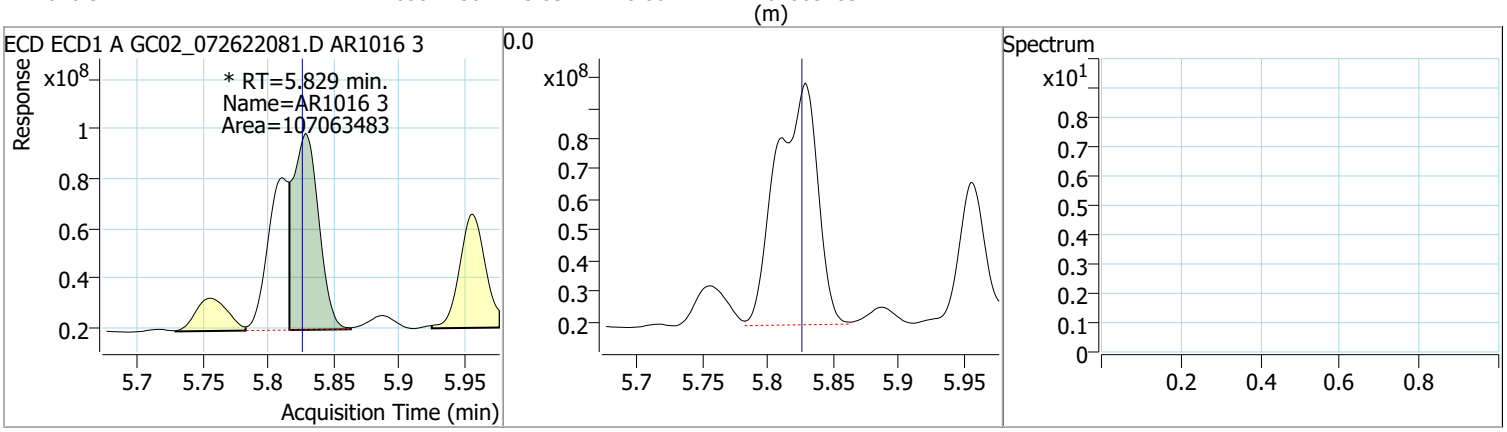
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	720.5404	5.39	0.00	74624732				



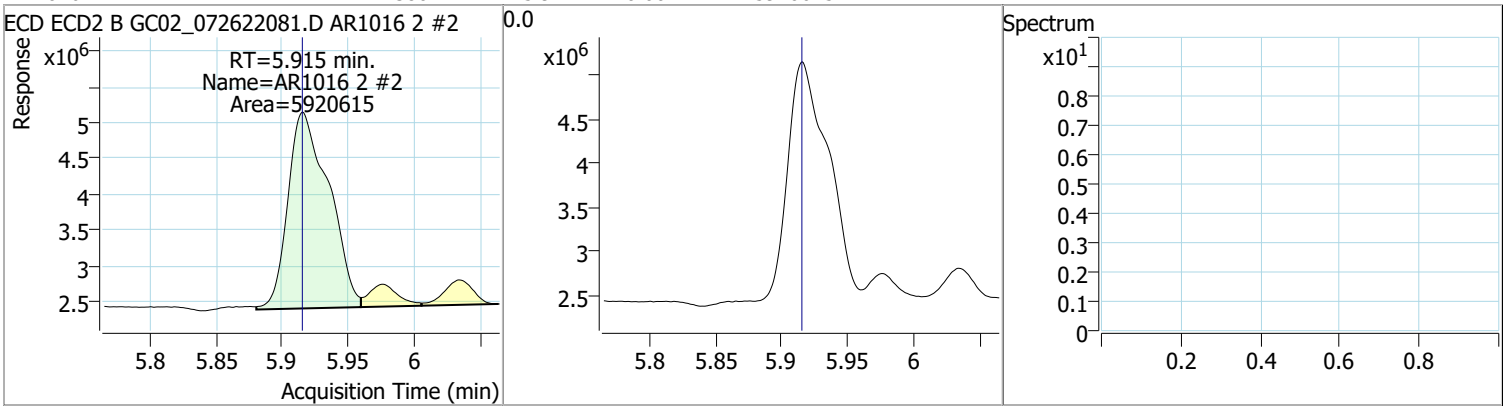
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	389.0814	5.51	0.00	2952677				



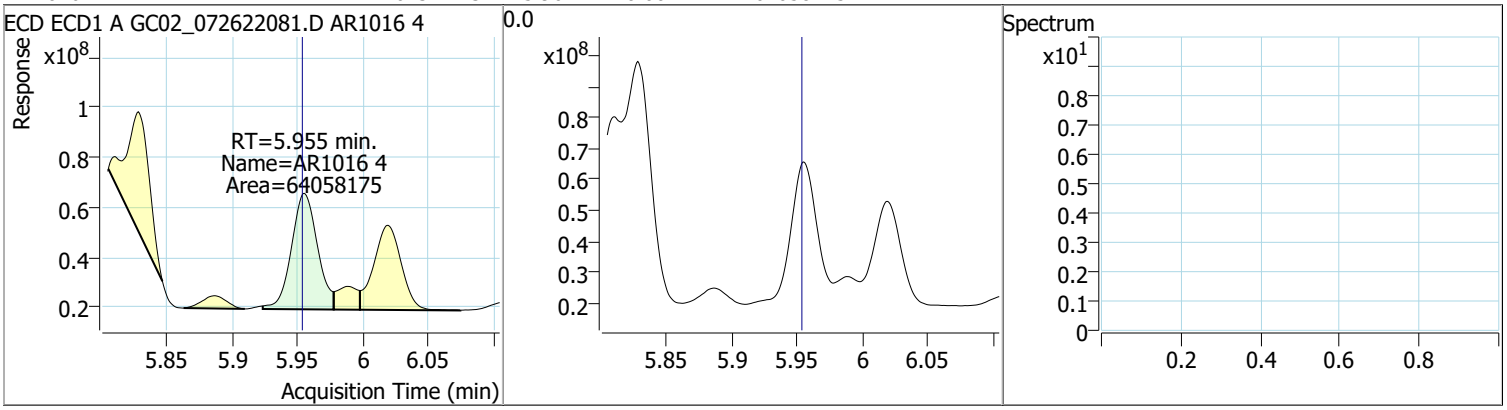
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	658.2150	5.83	0.00	107063483 (m)				



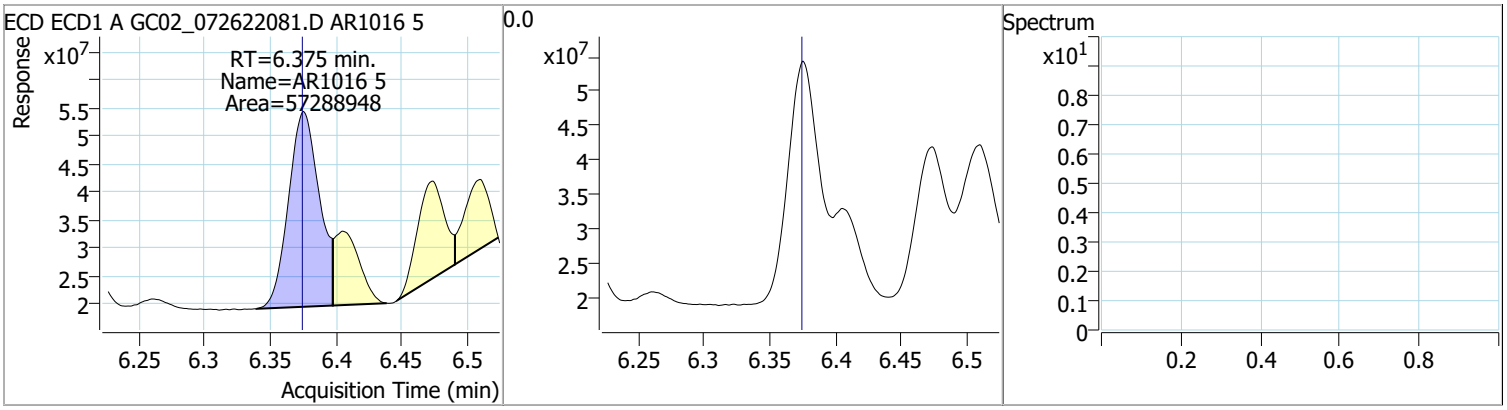
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	380.4217	5.92	0.00	5920615				



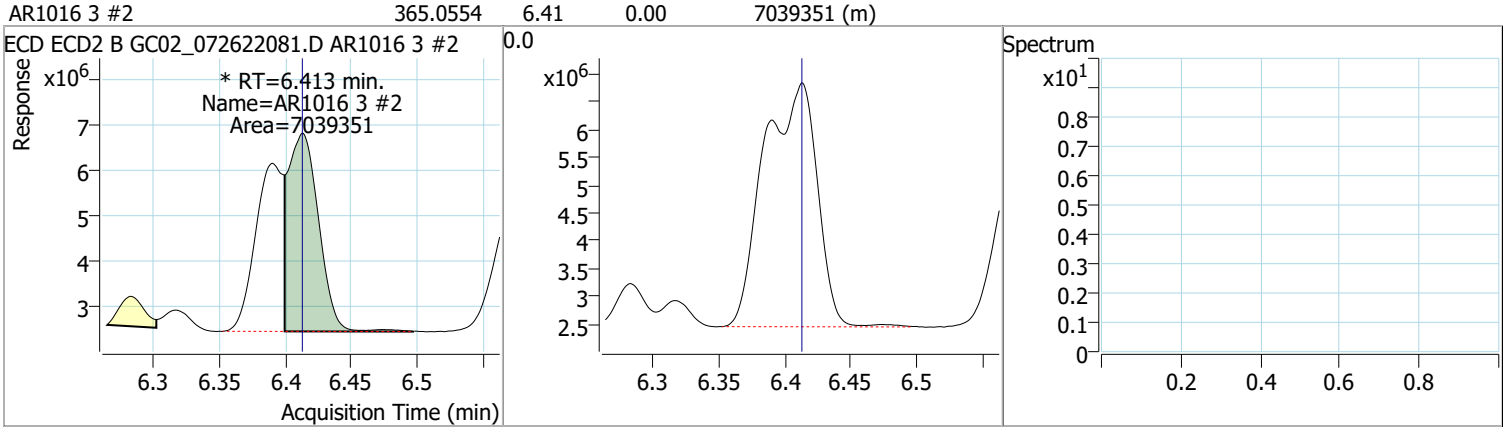
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	673.1273	5.96	0.00	64058175				



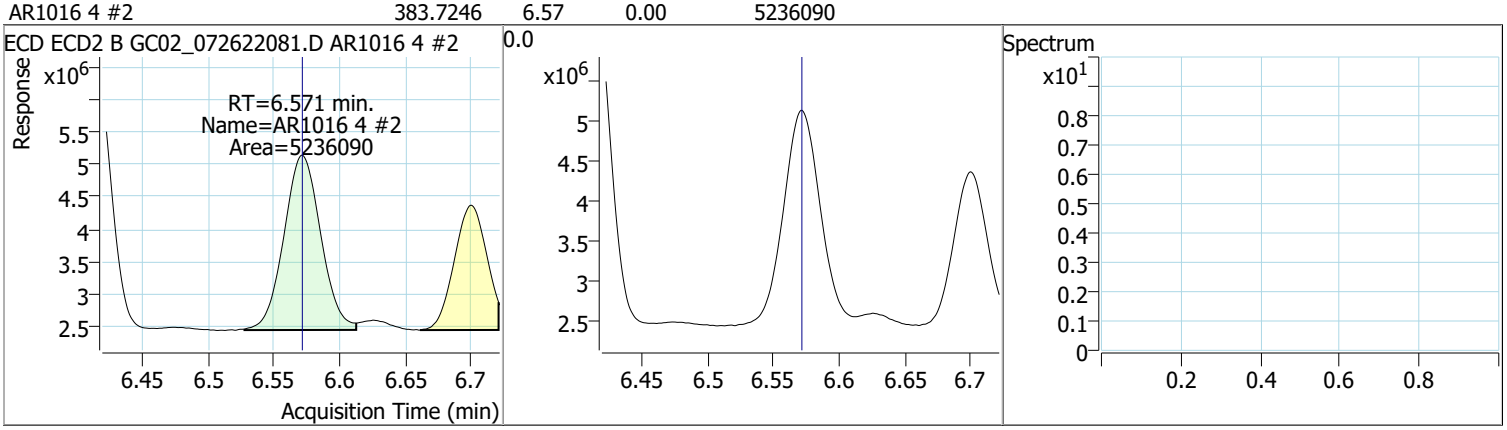
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	687.1871	6.38	0.00	57288948				



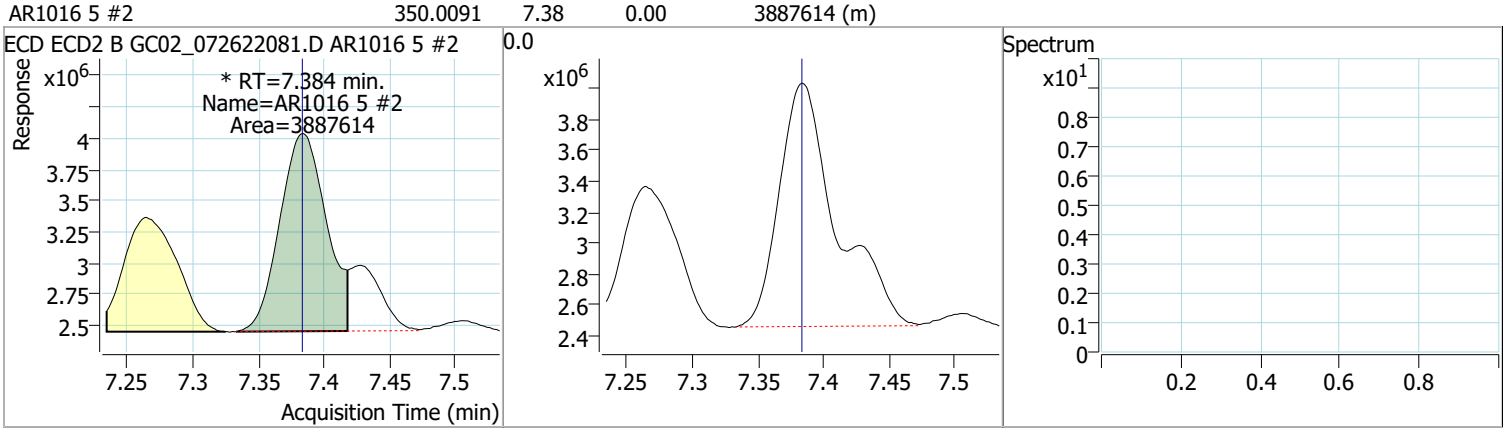
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	365.0554	6.41	0.00	7039351 (m)				



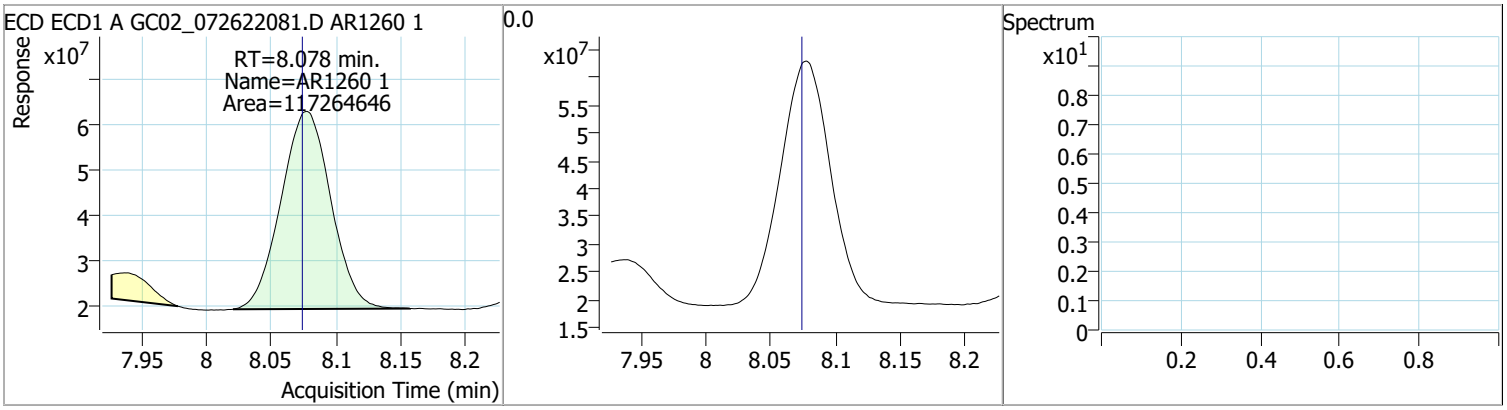
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	383.7246	6.57	0.00	5236090				



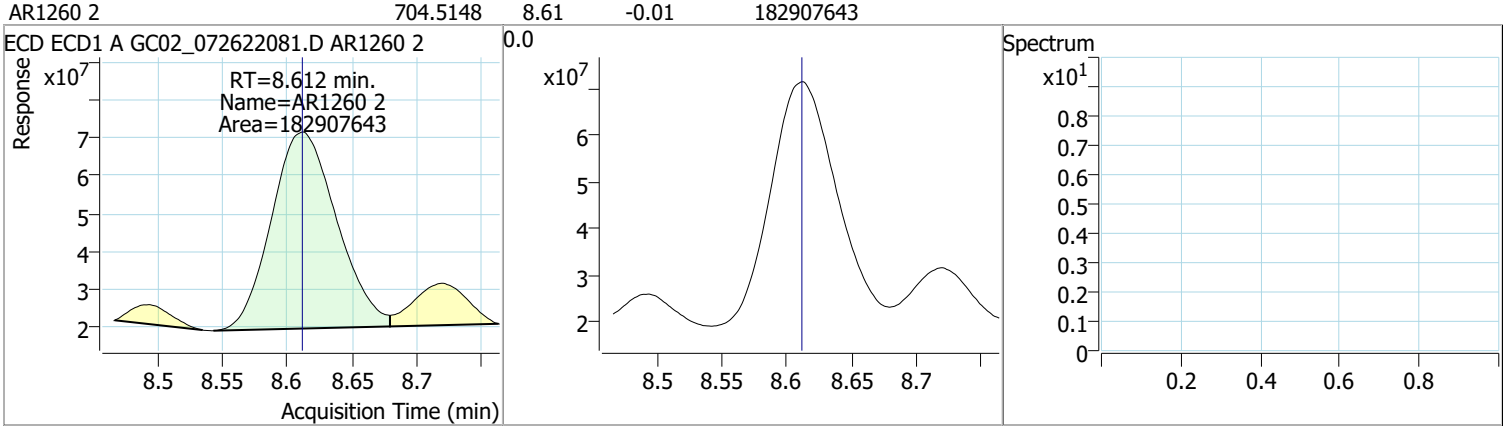
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	350.0091	7.38	0.00	3887614 (m)				



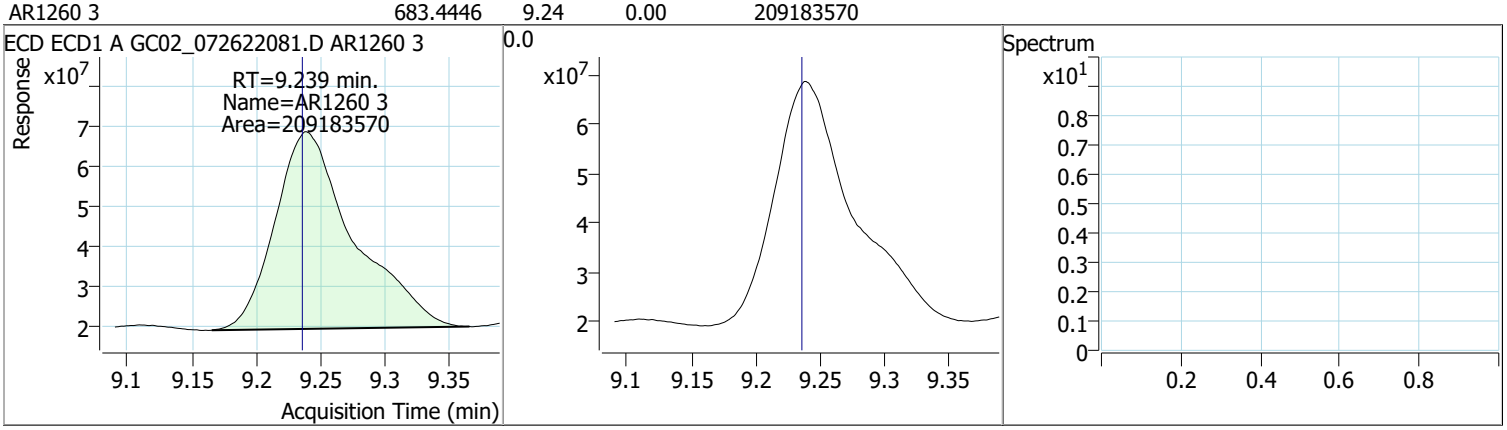
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	700.0944	8.08	0.00	117264646				



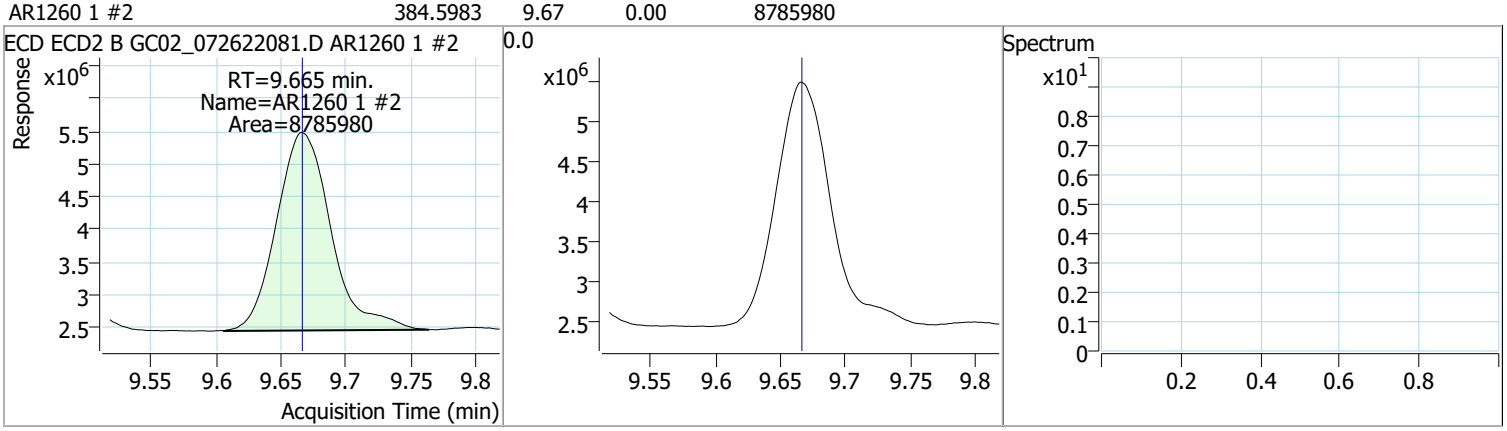
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	704.5148	8.61	-0.01	182907643				



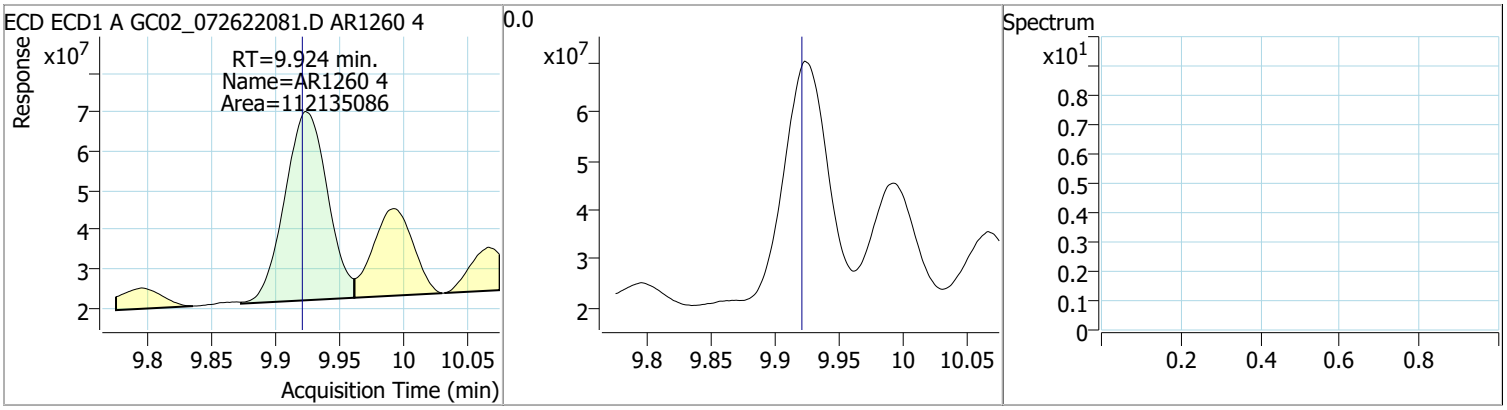
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	683.4446	9.24	0.00	209183570				



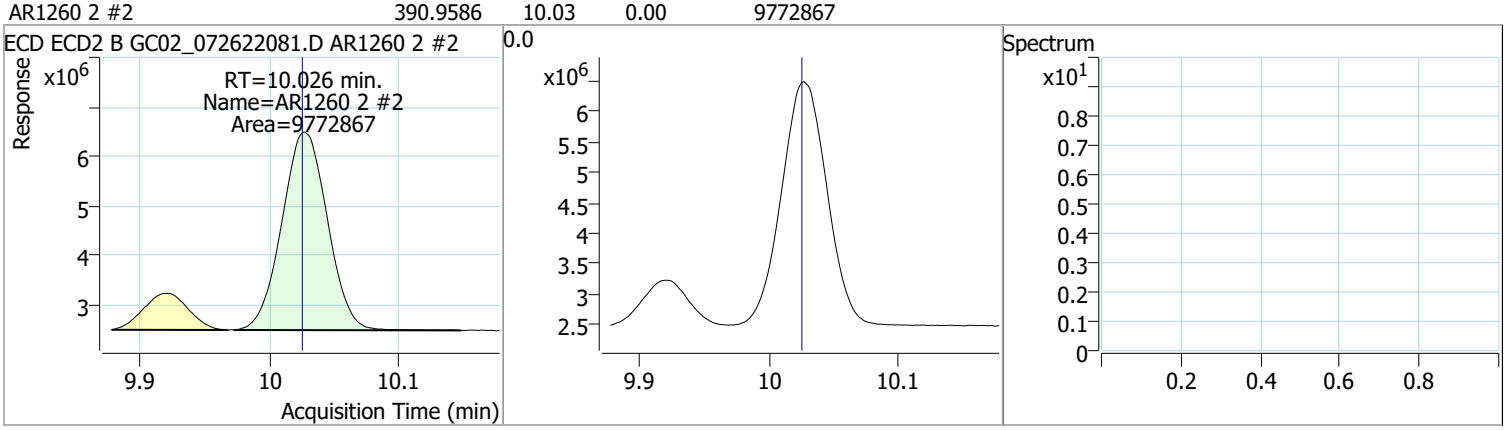
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	384.5983	9.67	0.00	8785980				



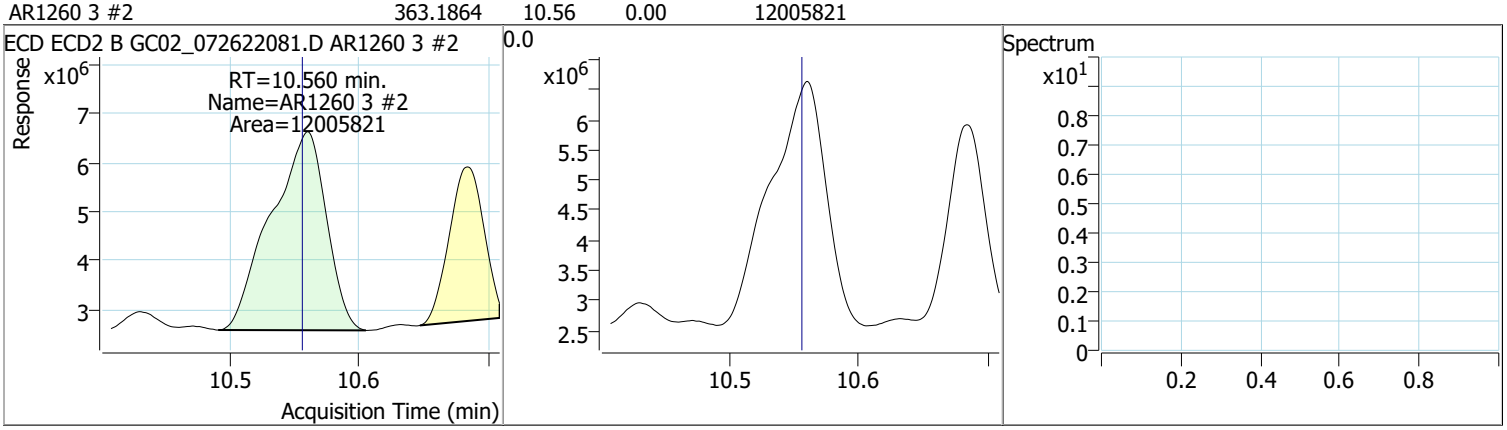
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	809.3794	9.92	-0.01	112135086				



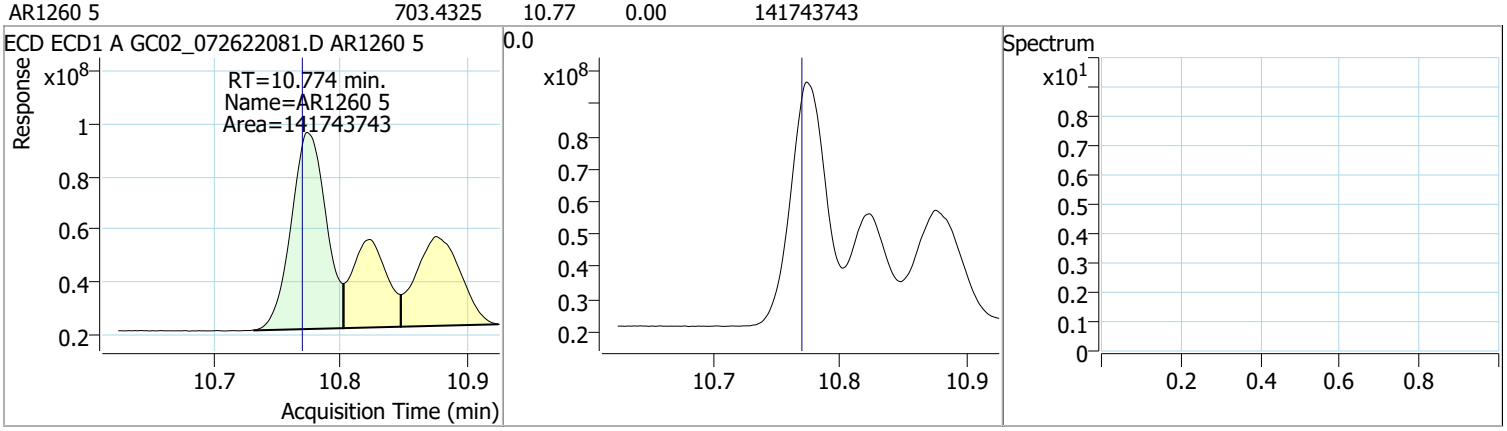
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	390.9586	10.03	0.00	9772867				



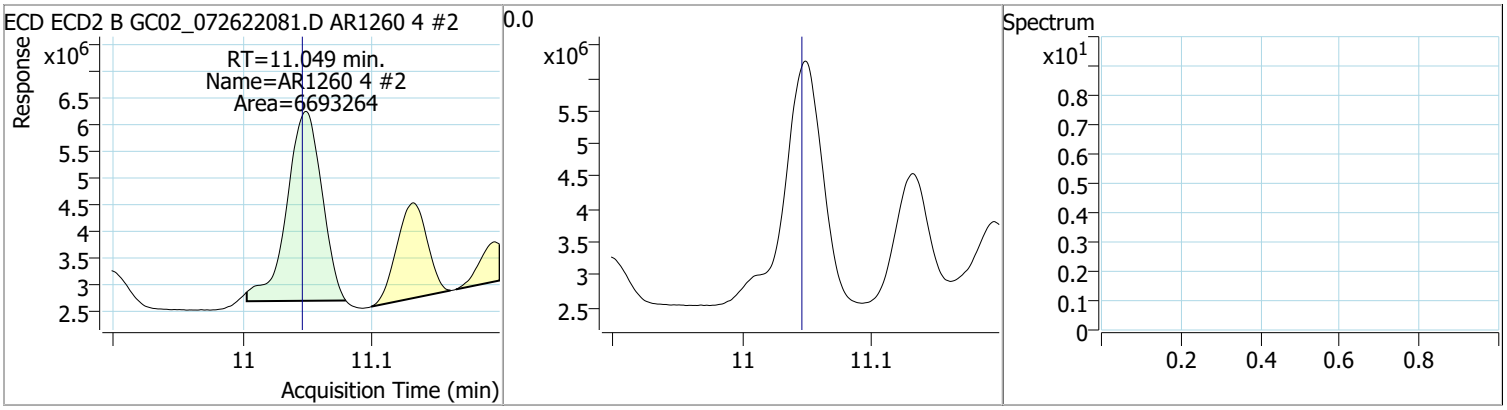
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	363.1864	10.56	0.00	12005821				



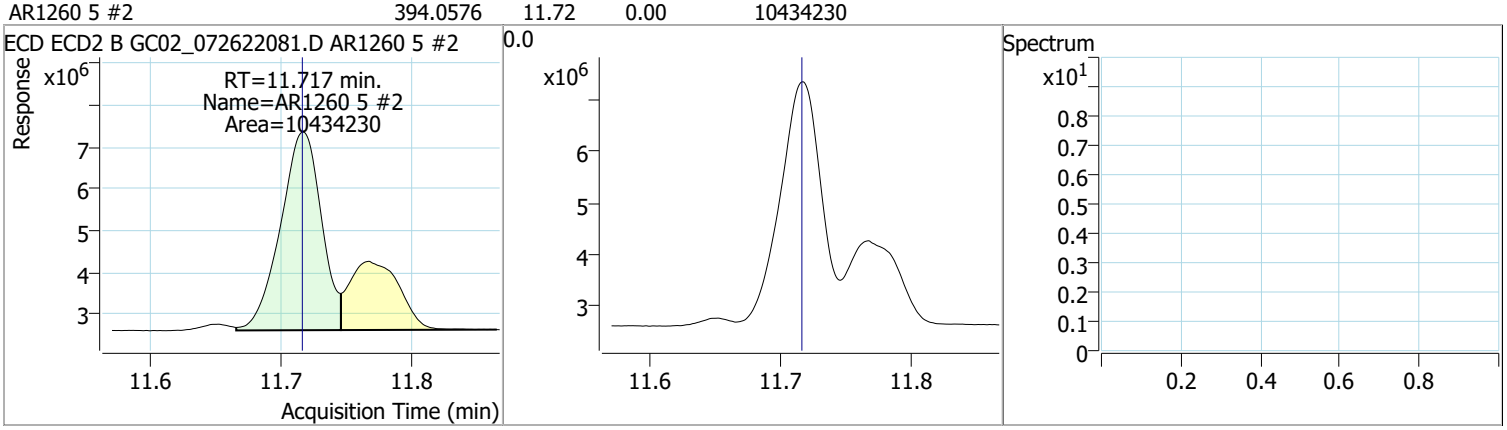
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	703.4325	10.77	0.00	141743743				



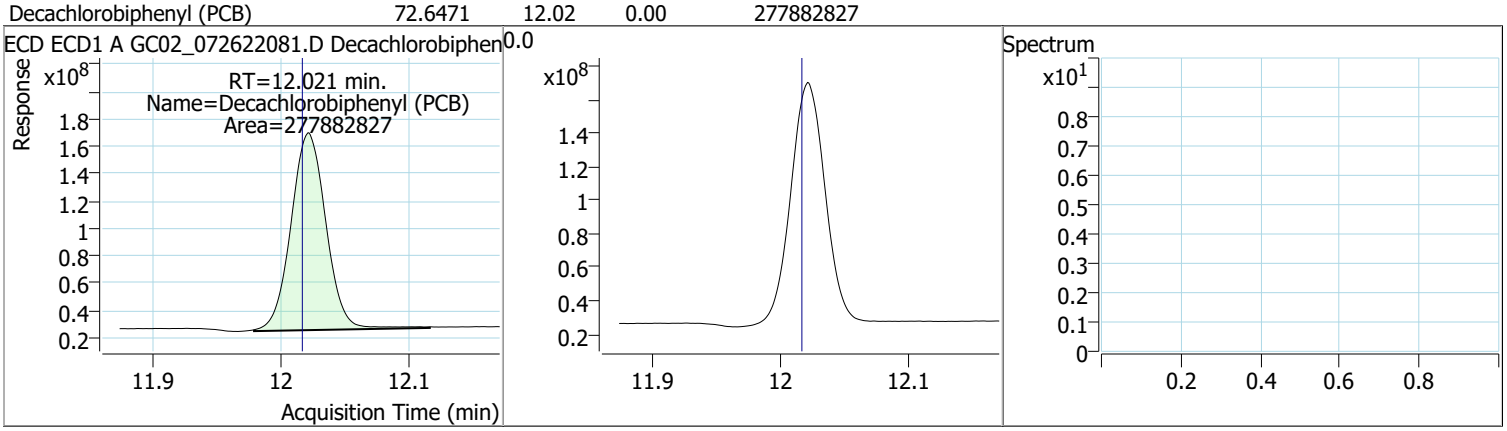
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	362.7719	11.05	0.00	6693264				



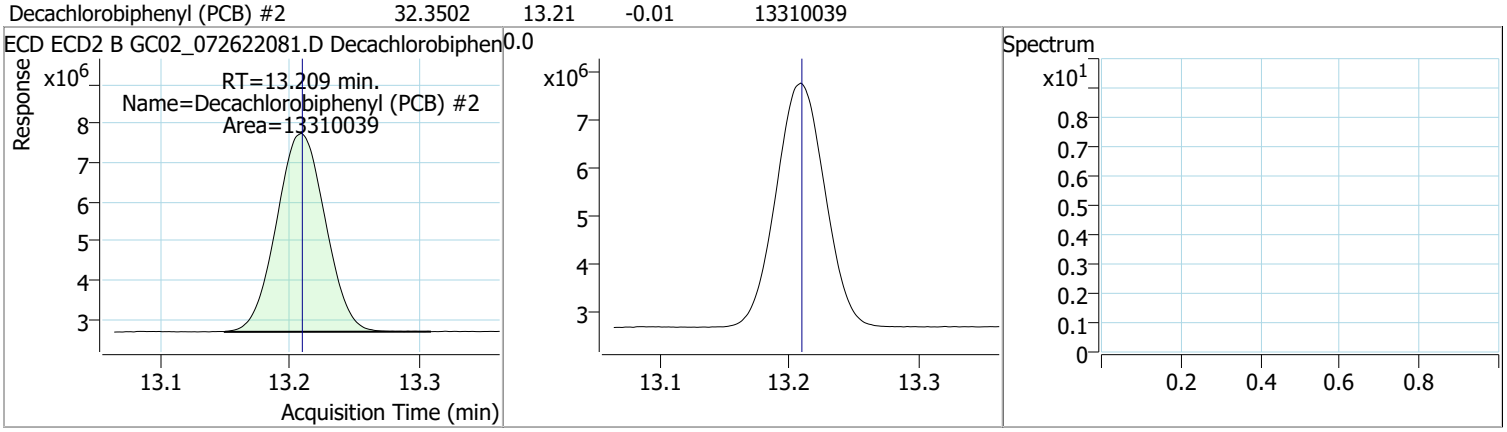
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	394.0576	11.72	0.00	10434230				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	72.6471	12.02	0.00	277882827				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	32.3502	13.21	-0.01	13310039				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 465924 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_072622_1
Calibration #:	212298819002	Date:	27-JUL-2022 08:03
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc02_072622-044	212298819044		27-JUL-2022 08:03	S17023 (100X), S17010 (250X)
L2	gc02_072622-045	212298819045		27-JUL-2022 08:21	S17023 (40X), S17010 (250X)
L3	gc02_072622-046	212298819046		27-JUL-2022 08:38	S17023 (20X), S17010 (250X)
L4	gc02_072622-047	212298819047		27-JUL-2022 08:56	S17023 (8X), S17010 (250X)
L5	gc02_072622-048	212298819048		27-JUL-2022 09:14	S17023 (4X), S17010 (250X)
L6	gc02_072622-049	212298819049		27-JUL-2022 09:32	S17023 (2.667X), S17010 (250X)
L7	gc02_072622-050	212298819050		27-JUL-2022 09:50	S17023 (2X), S17010 (250X)
L8	gc02_072622-051	212298819051		27-JUL-2022 10:07	S17023 (1.33X), S17010 (250X)
L9	gc02_072622-052	212298819052		27-JUL-2022 10:25	S17023, S17010 (250X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		76.1896		0.0131	13	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		39.4649		0.0253	14	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		25.1211		0.0398	11	7	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		42.9497		0.0233	11	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		49.0276		0.0204	11	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		24.4019		0.0410	12	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		15.7433		0.0635	12	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		13.3542		0.0749	12	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		29.5041		0.0339	12	7	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		20.2842		0.0493	17	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		1.06860		0.9358	16	9	.99	20	
TCMX (PCB)	A	AVRG		1.28277		0.7796	11	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		53.0790		0.0188	15	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		25.8819		0.0386	15	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		20.8894		0.0479	15	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		29.5198		0.0339	14	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		36.2658		0.0276	12	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		17.6325		0.0567	16	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		16.1140		0.0621	18	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		12.1852		0.0821	16	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		21.8319		0.0458	18	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		15.2122		0.0657	17	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.97903		1.0214	15	9	.99	20	
TCMX (PCB)	B	AVRG		1.09453		0.9136	14	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 465924 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_072622_1
Calibration #:	212298819002	Date:	27-JUL-2022 08:03
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0124	0.0159	0.0151	0.0143	0.0113	0.0113	0.0132	0.0129	0.0118
Aroclor-1016 Peak # 2	A	0.0260	0.0317	0.0287	0.0267	0.0219	0.0217	0.0258	0.0255	0.0201
Aroclor-1016 Peak # 3	A	0.0400	0.0466	0.0424	0.0403	0.0326	0.0359	0.0410		
Aroclor-1016 Peak # 4	A	0.0251	0.0279	0.0243	0.0239	0.0190	0.0202	0.0230	0.0239	0.0224
Aroclor-1016 Peak # 5	A	0.0214	0.0243	0.0219	0.0206	0.0167	0.0176	0.0202	0.0207	0.0202
Aroclor-1260 Peak # 1	A	0.0417	0.0513	0.0432	0.0409	0.0338	0.0354	0.0422	0.0410	0.0392
Aroclor-1260 Peak # 2	A	0.0588	0.0795	0.0673	0.0620	0.0522	0.0568	0.0678	0.0646	0.0626
Aroclor-1260 Peak # 3	A	0.0762	0.0938	0.0741	0.0703	0.0621	0.0688	0.0716	0.0800	0.0770
Aroclor-1260 Peak # 4	A		0.0400	0.0357	0.0320	0.0274	0.0309	0.0365	0.0348	
Aroclor-1260 Peak # 5	A	0.0384	0.0568	0.0490	0.0479	0.0381	0.0442	0.0535	0.0516	0.0642
Decachlorobiphenyl (PCB)	A	0.8306	1.0837	0.8904	0.8451	0.7096	0.8383	1.1608	1.1188	0.9449
TCMX (PCB)	A	0.7544	0.9272	0.8229	0.7940	0.6450	0.6715	0.7924	0.8110	0.7977
Aroclor-1016 Peak # 1	B	0.0224	0.0226	0.0214	0.0202	0.0159	0.0159	0.0176	0.0166	0.0169
Aroclor-1016 Peak # 2	B	0.0404	0.0500	0.0444	0.0422	0.0329	0.0328	0.0361	0.0339	0.0351
Aroclor-1016 Peak # 3	B	0.0507	0.0605	0.0546	0.0531	0.0402	0.0400	0.0442	0.0431	0.0446
Aroclor-1016 Peak # 4	B	0.0352	0.0425	0.0383	0.0373	0.0293	0.0286	0.0316	0.0305	0.0315
Aroclor-1016 Peak # 5	B	0.0294	0.0338	0.0309	0.0283	0.0234	0.0242	0.0267	0.0252	0.0265
Aroclor-1260 Peak # 1	B	0.0572	0.0749	0.0666	0.0591	0.0471	0.0494	0.0544	0.0495	0.0522
Aroclor-1260 Peak # 2	B	0.0656	0.0855	0.0733	0.0644	0.0514	0.0533	0.0585	0.0528	0.0539
Aroclor-1260 Peak # 3	B	0.0834	0.1106	0.0947	0.0846	0.0677	0.0716	0.0784	0.0714	0.0763
Aroclor-1260 Peak # 4	B	0.0517	0.0638	0.0515	0.0458	0.0384	0.0409	0.0389	0.0400	0.0412
Aroclor-1260 Peak # 5	B	0.0689	0.0885	0.0756	0.0676	0.0532	0.0571	0.0610	0.0552	0.0646
Decachlorobiphenyl (PCB)	B	1.0276	1.3642	1.1241	1.0112	0.8307	0.9396	1.0059	0.9072	0.9824
TCMX (PCB)	B	1.0052	1.1320	1.0317	0.9356	0.7617	0.7712	0.8665	0.8338	0.8850

ENTHALPY INITIAL CALIBRATION FOR 465924 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_072622_1
Calibration #:	212298819002	Date:	27-JUL-2022 08:03
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	-6	50.000	**21**	100.00	15	250.00	9	500.00	-14	749.91	-14	1000.0	0	1503.8	-1
Aroclor-1016 Peak # 2	A	20.000	2	50.000	**25**	100.00	13	250.00	5	500.00	-14	749.91	-14	1000.0	2	1503.8	1
Aroclor-1016 Peak # 3	A	20.000	0	50.000	17	100.00	7	250.00	1	500.00	-18	749.91	-10	1000.0	3		
Aroclor-1016 Peak # 4	A	20.000	8	50.000	20	100.00	4	250.00	3	500.00	-18	749.91	-13	1000.0	-1	1503.8	3
Aroclor-1016 Peak # 5	A	20.000	5	50.000	19	100.00	7	250.00	1	500.00	-18	749.91	-14	1000.0	-1	1503.8	2
Aroclor-1260 Peak # 1	A	20.000	2	50.000	**25**	100.00	6	250.00	0	500.00	-18	749.91	-14	1000.0	3	1503.8	0
Aroclor-1260 Peak # 2	A	20.000	-7	50.000	**25**	100.00	6	250.00	-2	500.00	-18	749.91	-11	1000.0	7	1503.8	2
Aroclor-1260 Peak # 3	A	20.000	2	50.000	**25**	100.00	-1	250.00	-6	500.00	-17	749.91	-8	1000.0	-4	1503.8	7
Aroclor-1260 Peak # 4	A			50.000	18	100.00	5	250.00	-5	500.00	-19	749.91	-9	1000.0	8	1503.8	3
Aroclor-1260 Peak # 5	A	20.000	**-22**	50.000	15	100.00	-1	250.00	-3	500.00	**-23**	749.91	-10	1000.0	8	1503.8	5
Decachlorobiphenyl (PCB)	A	0.8000	-11	2.0000	16	4.0000	-5	10.000	-10	20.000	**-24**	29.996	-10	40.000	**24**	60.150	20
TCMX (PCB)	A	0.8000	-3	2.0000	19	4.0000	6	10.000	2	20.000	-17	29.996	-14	40.000	2	60.150	4
Aroclor-1016 Peak # 1	B	20.000	19	50.000	20	100.00	14	250.00	7	500.00	-16	749.91	-16	1000.0	-7	1503.8	-12
Aroclor-1016 Peak # 2	B	20.000	4	50.000	**29**	100.00	15	250.00	9	500.00	-15	749.91	-15	1000.0	-7	1503.8	-12
Aroclor-1016 Peak # 3	B	20.000	6	50.000	**26**	100.00	14	250.00	11	500.00	-16	749.91	-17	1000.0	-8	1503.8	-10
Aroclor-1016 Peak # 4	B	20.000	4	50.000	**25**	100.00	13	250.00	10	500.00	-14	749.91	-15	1000.0	-7	1503.8	-10
Aroclor-1016 Peak # 5	B	20.000	7	50.000	**22**	100.00	12	250.00	2	500.00	-15	749.91	-12	1000.0	-3	1503.8	-9
Aroclor-1260 Peak # 1	B	20.000	1	50.000	**32**	100.00	17	250.00	4	500.00	-17	749.91	-13	1000.0	-4	1503.8	-13
Aroclor-1260 Peak # 2	B	20.000	6	50.000	**38**	100.00	18	250.00	4	500.00	-17	749.91	-14	1000.0	-6	1503.8	-15
Aroclor-1260 Peak # 3	B	20.000	2	50.000	**35**	100.00	15	250.00	3	500.00	-17	749.91	-13	1000.0	-5	1503.8	-13
Aroclor-1260 Peak # 4	B	20.000	13	50.000	**39**	100.00	12	250.00	0	500.00	-16	749.91	-11	1000.0	-15	1503.8	-13
Aroclor-1260 Peak # 5	B	20.000	5	50.000	**35**	100.00	15	250.00	3	500.00	-19	749.91	-13	1000.0	-7	1503.8	-16
Decachlorobiphenyl (PCB)	B	0.8000	1	2.0000	**34**	4.0000	10	10.000	-1	20.000	-19	29.996	-8	40.000	-2	60.150	-11
TCMX (PCB)	B	0.8000	10	2.0000	**24**	4.0000	13	10.000	2	20.000	-17	29.996	-16	40.000	-5	60.150	-9

ENTHALPY INITIAL CALIBRATION FOR 465924 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_072622_1
Calibration #:	212298819002	Date:	27-JUL-2022 08:03
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-10
Aroclor-1016 Peak # 2	A	2000.0	**-21**
Aroclor-1016 Peak # 3	A		
Aroclor-1016 Peak # 4	A	2000.0	-4
Aroclor-1016 Peak # 5	A	2000.0	-1
Aroclor-1260 Peak # 1	A	2000.0	-4
Aroclor-1260 Peak # 2	A	2000.0	-1
Aroclor-1260 Peak # 3	A	2000.0	3
Aroclor-1260 Peak # 4	A		
Aroclor-1260 Peak # 5	A	2000.0	**30**
Decachlorobiphenyl (PCB)	A	80.000	1
TCMX (PCB)	A	80.000	2
Aroclor-1016 Peak # 1	B	2000.0	-11
Aroclor-1016 Peak # 2	B	2000.0	-9
Aroclor-1016 Peak # 3	B	2000.0	-7
Aroclor-1016 Peak # 4	B	2000.0	-7
Aroclor-1016 Peak # 5	B	2000.0	-4
Aroclor-1260 Peak # 1	B	2000.0	-8
Aroclor-1260 Peak # 2	B	2000.0	-13
Aroclor-1260 Peak # 3	B	2000.0	-7
Aroclor-1260 Peak # 4	B	2000.0	-10
Aroclor-1260 Peak # 5	B	2000.0	-2
Decachlorobiphenyl (PCB)	B	80.000	-4
TCMX (PCB)	B	80.000	-3

TRN 07/27/22 : Manually integrated peak for coeluting peak,negative/positive baseline, both/one channel for multiple levels

Analyst: TRN 07/27/22 *

Reviewer: LW 07/27/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 465924 PCBS Wipe

EPA 8082

Inst:	SVOA-GC02	Name:	PCB_072622_1
Calnum:	212298819002	Cal Date:	27-JUL-2022

- ICV 212298819054 (gc02_072622-054 27-JUL-2022) stds: S16736

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	455.5	ug/L	-9	15	
Aroclor-1260	A	500.0	526.6	ug/L	5	15	
Aroclor-1016	B	500.0	481.2	ug/L	-4	15	
Aroclor-1260	B	500.0	492.4	ug/L	-2	15	

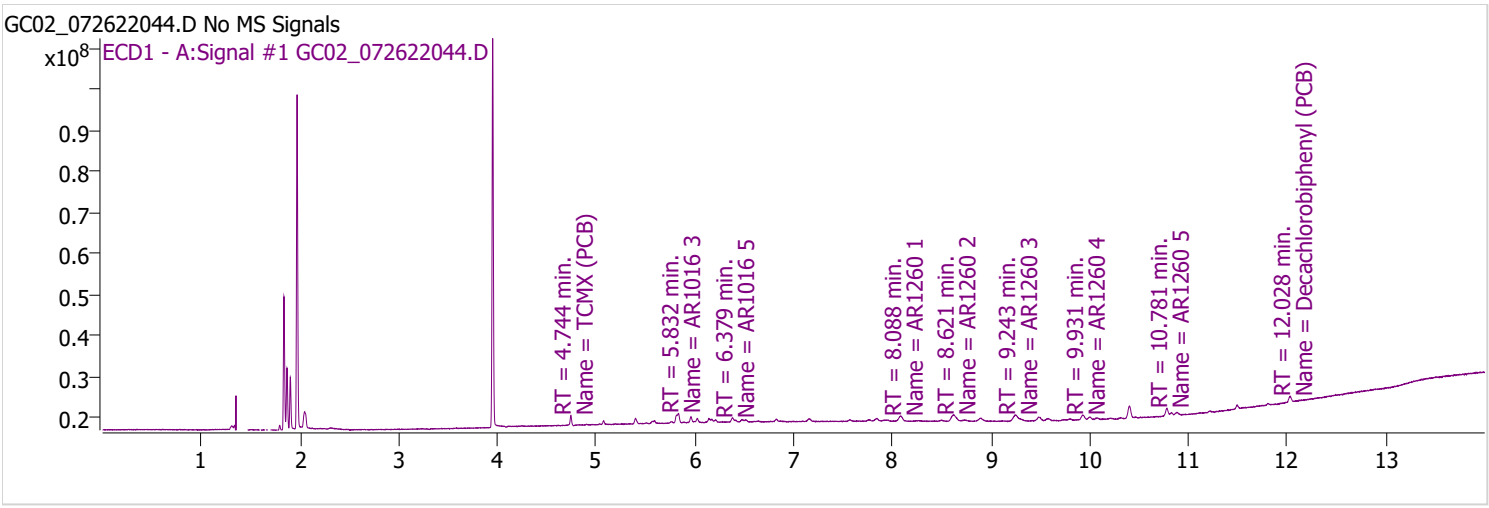
-

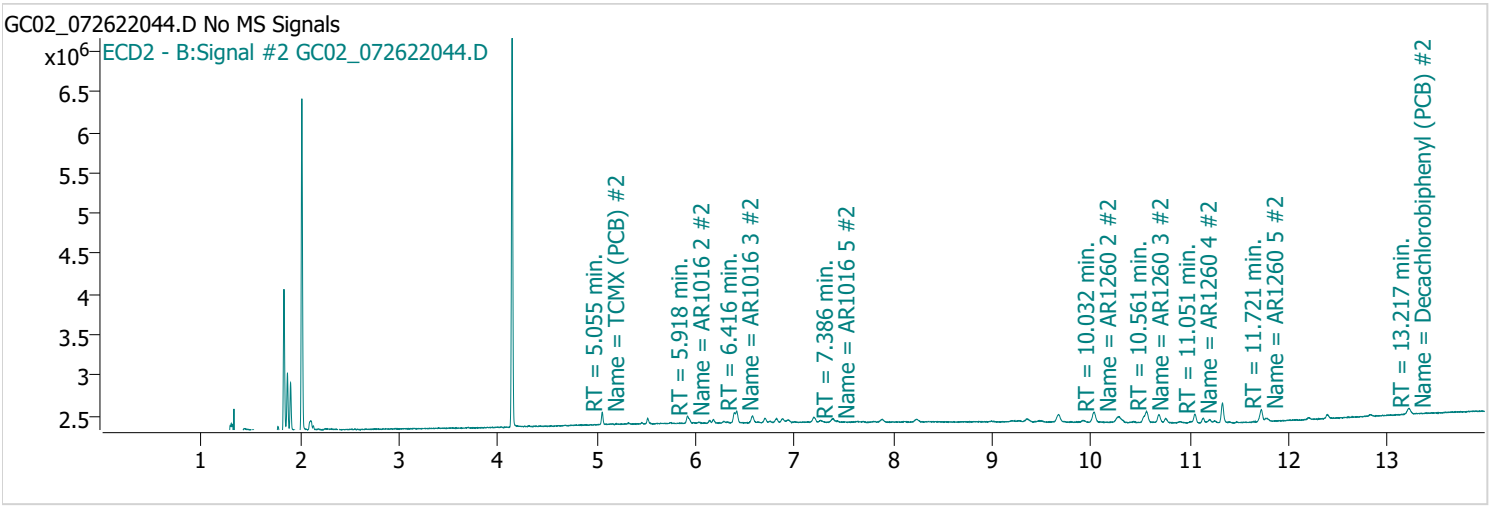
Analyst: TRN 07/27/22 *

Reviewer: LW 07/27/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_072622044.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	7/27/2022 8:03:15 AM
Sample Name	ICAL, S17023, 100, S17010, 250	Instrument	SVOA-GC02
Vial	81	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_1.m	Comment	20PPB PCB ICAL1
Tune File	ATUNE.U	Tune Date	
Batch Name	072622PCBICAL.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



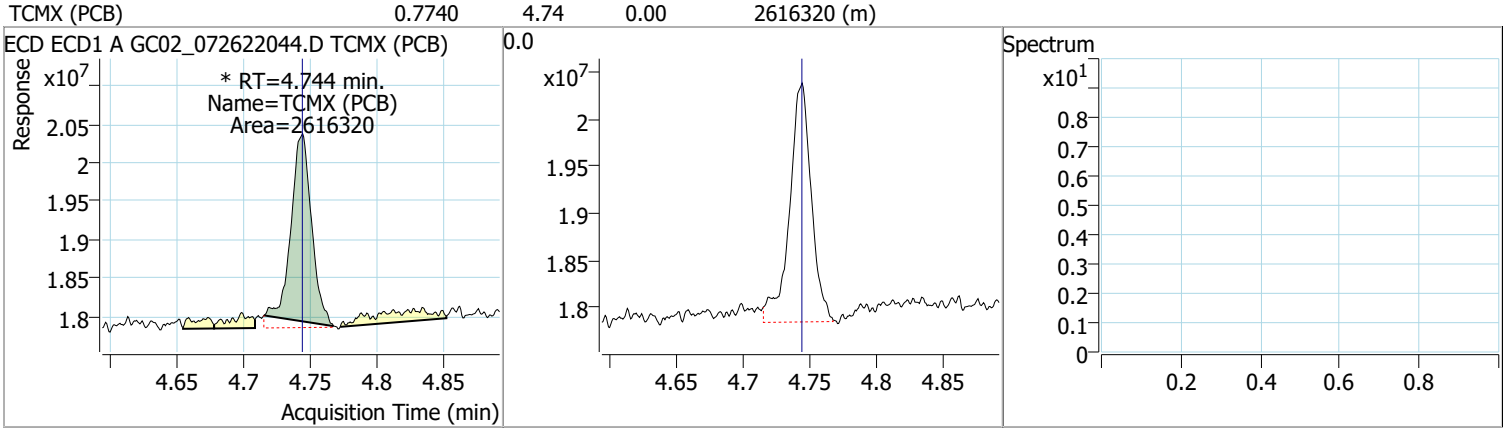


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.952	0.0	86698617.637	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.143	0.0	4524000.569	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.744	0.0	2616320.000	0.7740	ng/ml	m	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 3.87%		*	
S TCMX (PCB) #2	5.055	0.0	181893.073	0.8799	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.40%		*	
S Decachlorobiphenyl (PCB)	12.028	0.0	2880325.157	0.7098	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 3.55%		*	
S Decachlorobiphenyl (PCB) #2	13.217	0.0	185948.133	0.8046	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.02%		*	
Target Compounds							QValue
T AR1016 1	5.076	0.0	1071840.960	18.8335	ng/ml		100

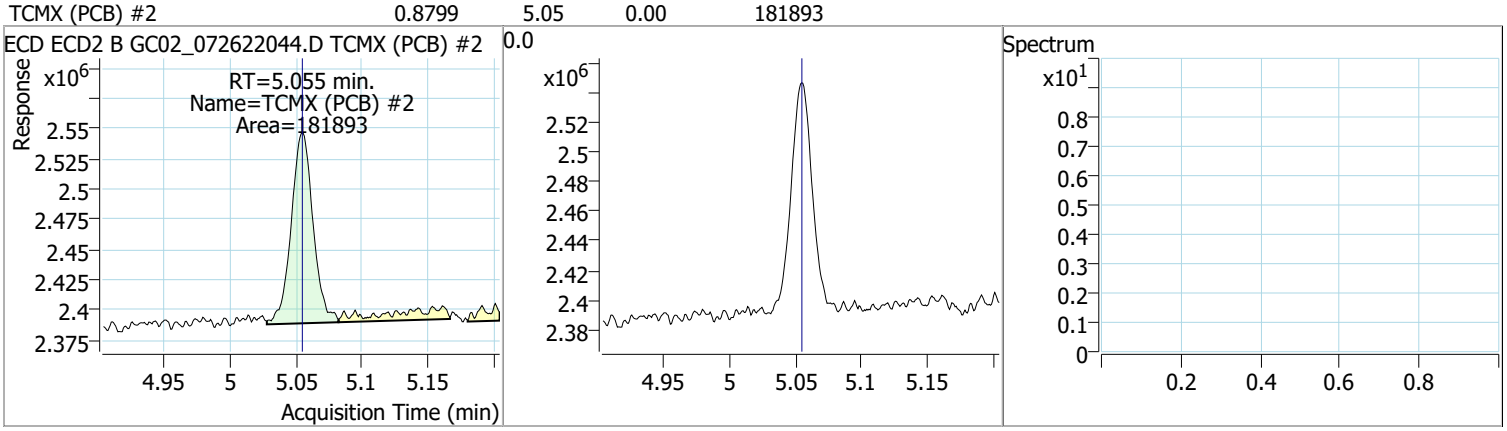
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.398	0.0	2250998.282	20.4874	ng/ml		100
T AR1016 1 #2	5.516	0.0	101465.415	23.8038	ng/ml		100
T AR1016 3	5.832	0.0	3463854.932	20.0735	ng/ml	m	100
T AR1016 2 #2	5.918	0.0	182601.804	20.8885	ng/ml		100
T AR1016 4	5.960	0.0	2173854.295	21.5323	ng/ml		100
T AR1016 5	6.379	0.0	1857534.926	21.0028	ng/ml		100
T AR1016 3 #2	6.416	0.0	229486.012	21.1878	ng/ml		100
T AR1016 4 #2	6.576	0.0	159283.635	20.7820	ng/ml		100
T AR1016 5 #2	7.386	0.0	132856.951	21.2953	ng/ml	m	100
T AR1260 1	8.088	0.0	3618798.225	20.3653	ng/ml		100
T AR1260 2	8.621	0.0	5101777.299	18.5232	ng/ml		100
T AR1260 3	9.243	0.0	6609992.464	20.3570	ng/ml		100
T AR1260 1 #2	9.670	0.0	258967.374	20.1821	ng/ml		100
T AR1260 4	9.931	0.0	2813682.893	19.1435	ng/ml		100
T AR1260 2 #2	10.032	0.0	296842.611	21.1416	ng/ml		100
T AR1260 3 #2	10.561	0.0	377099.112	20.3094	ng/ml		100
T AR1260 5	10.781	0.0	3331240.383	15.5834	ng/ml		100
T AR1260 4 #2	11.051	0.0	233957.674	22.5755	ng/ml	m	100
T AR1260 5 #2	11.721	0.0	311510.272	20.9448	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

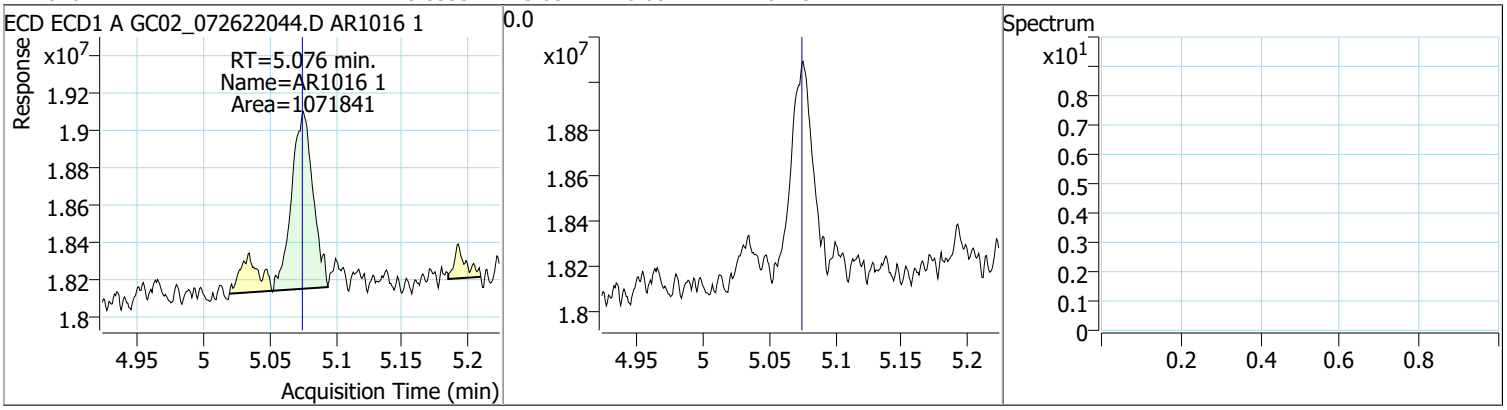
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	0.7740	4.74	0.00	2616320 (m)				



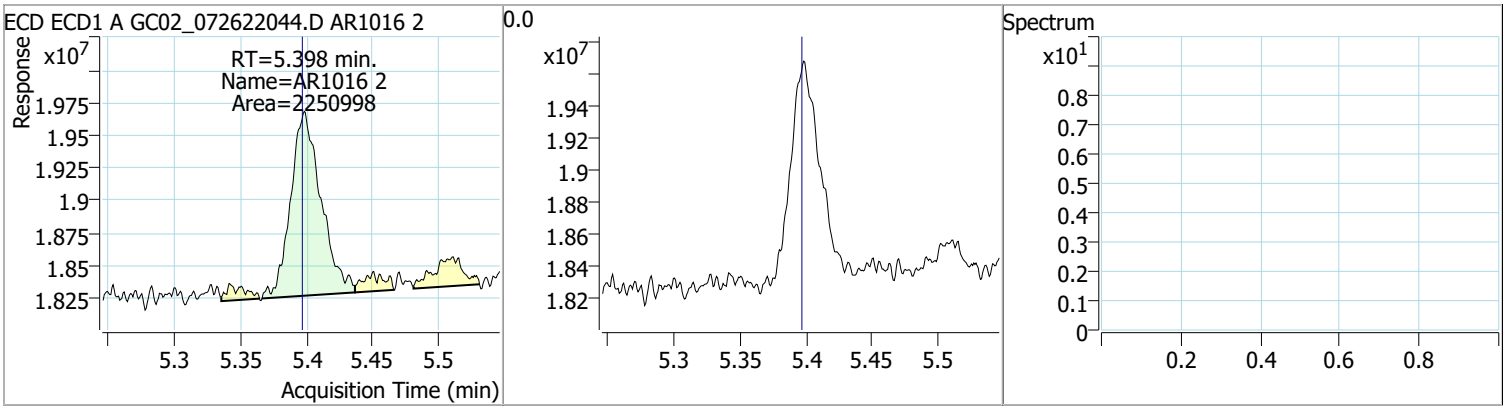
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	0.8799	5.05	0.00	181893				



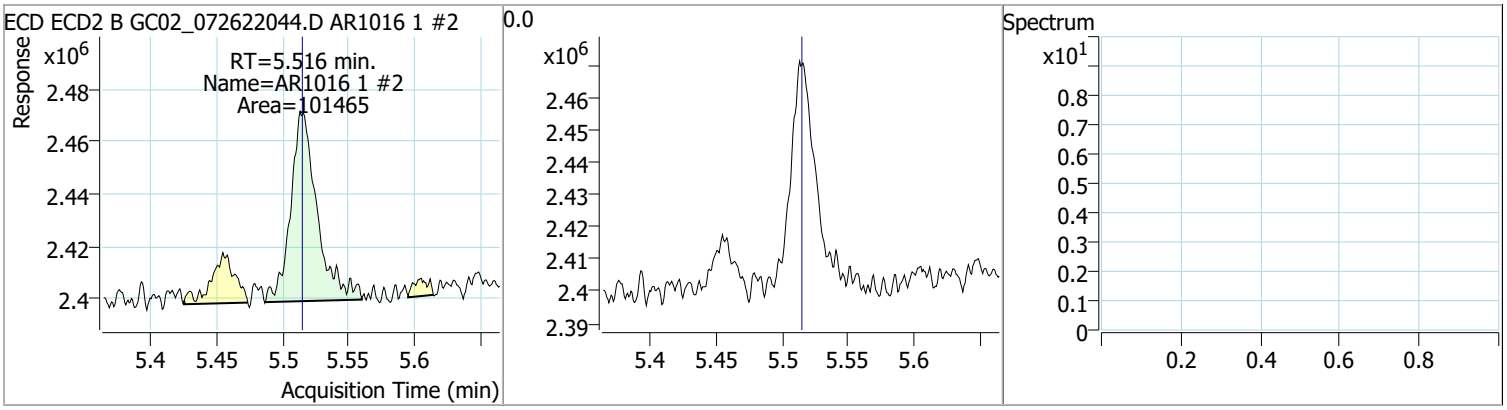
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	18.8335	5.08	0.00	1071841				



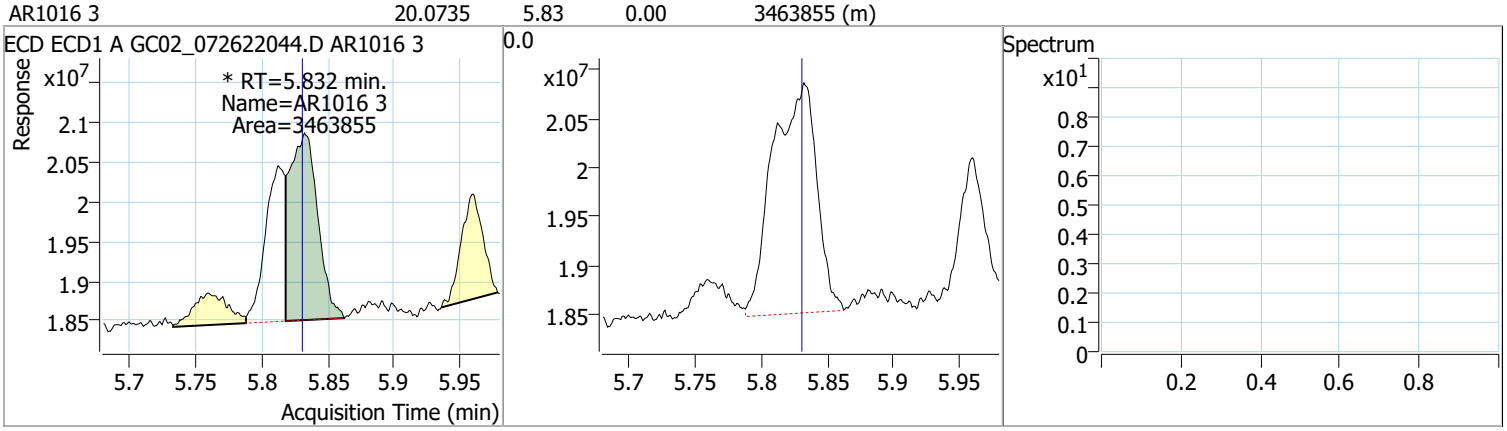
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	20.4874	5.40	0.00	2250998				



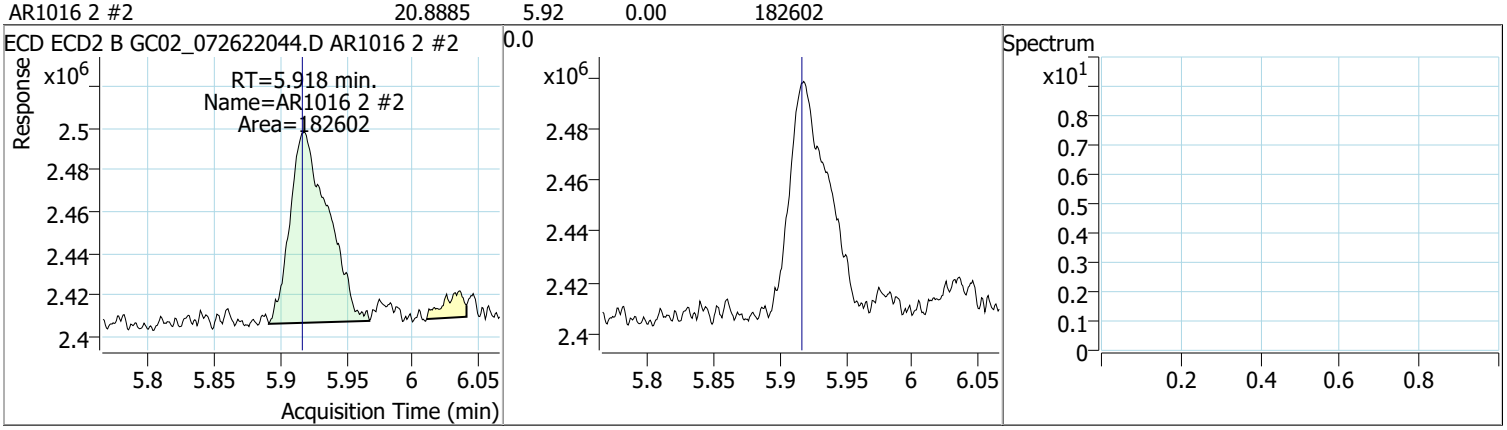
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	23.8038	5.52	0.00	101465				



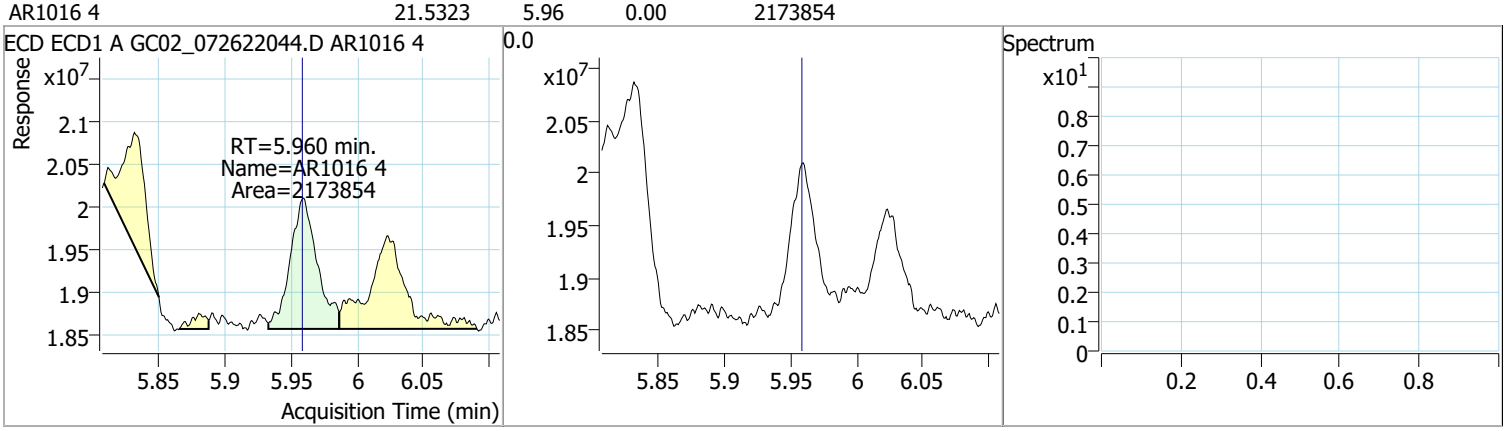
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	20.0735	5.83	0.00	3463855 (m)				



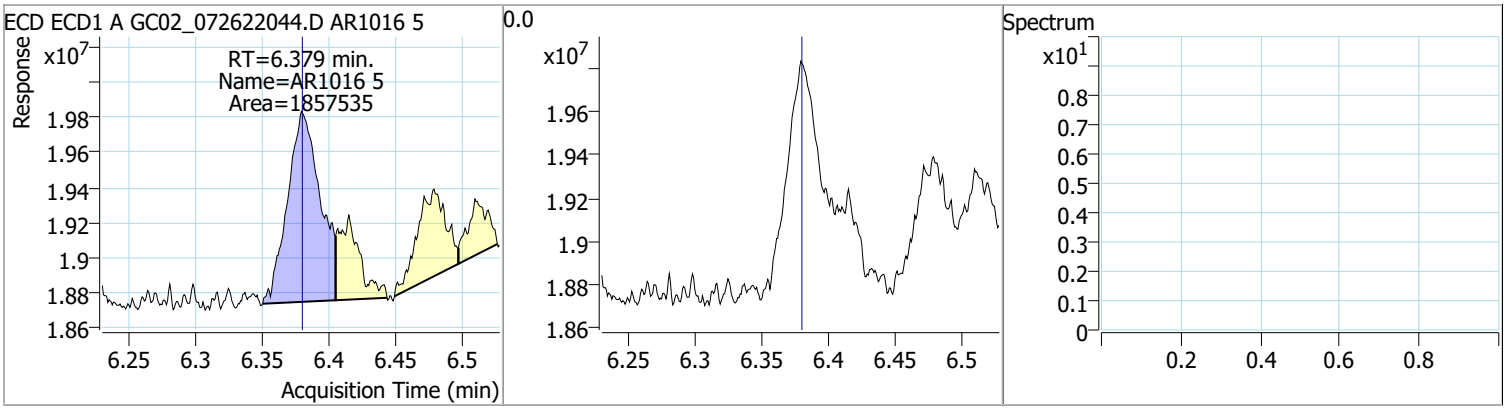
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	20.8885	5.92	0.00	182602				



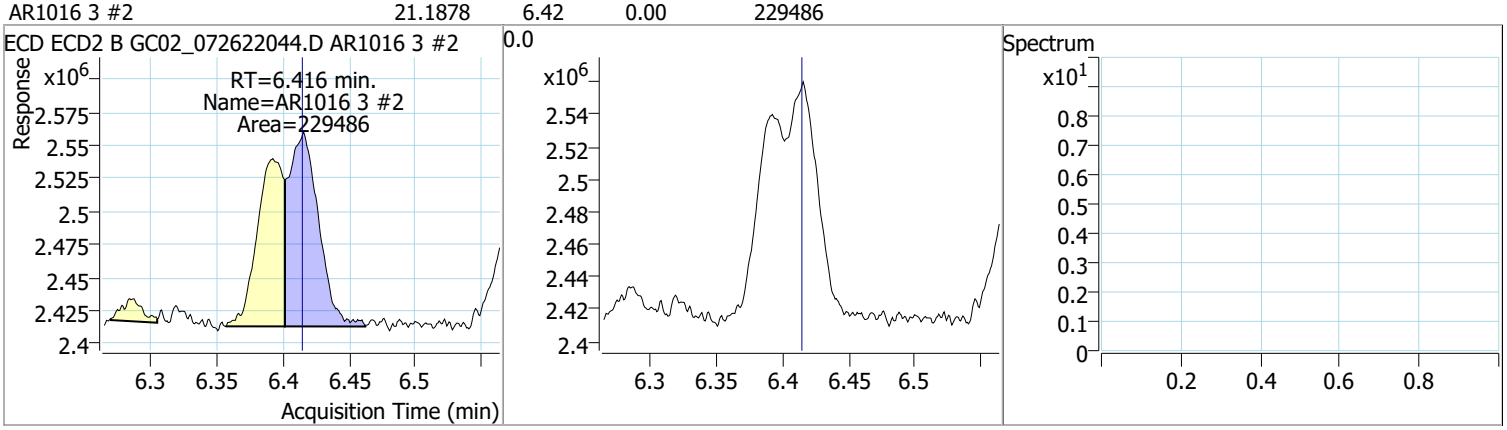
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	21.5323	5.96	0.00	2173854				



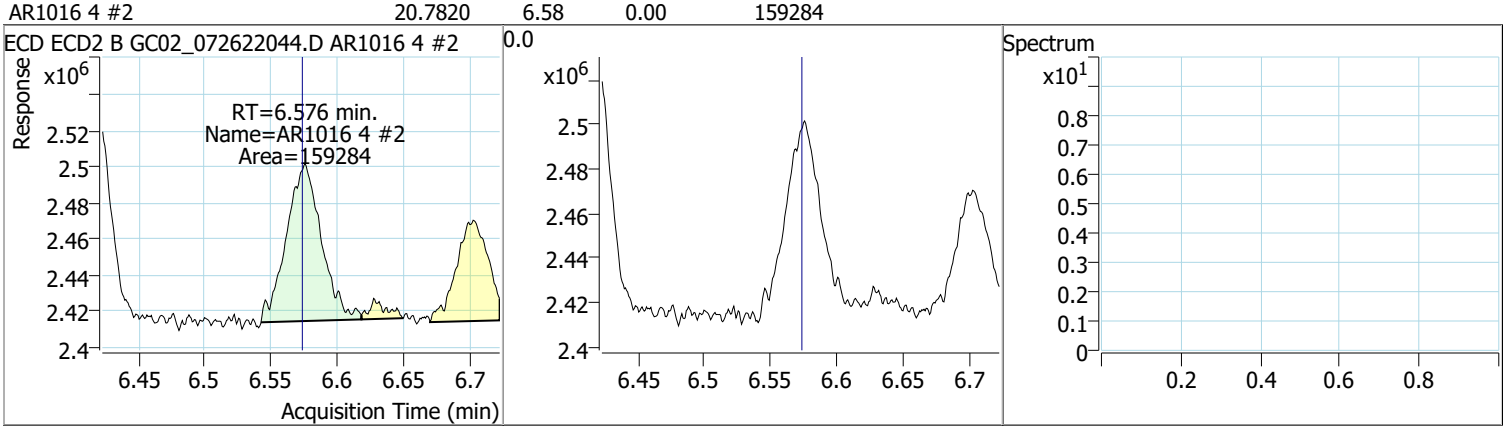
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	21.0028	6.38	0.00	1857535				



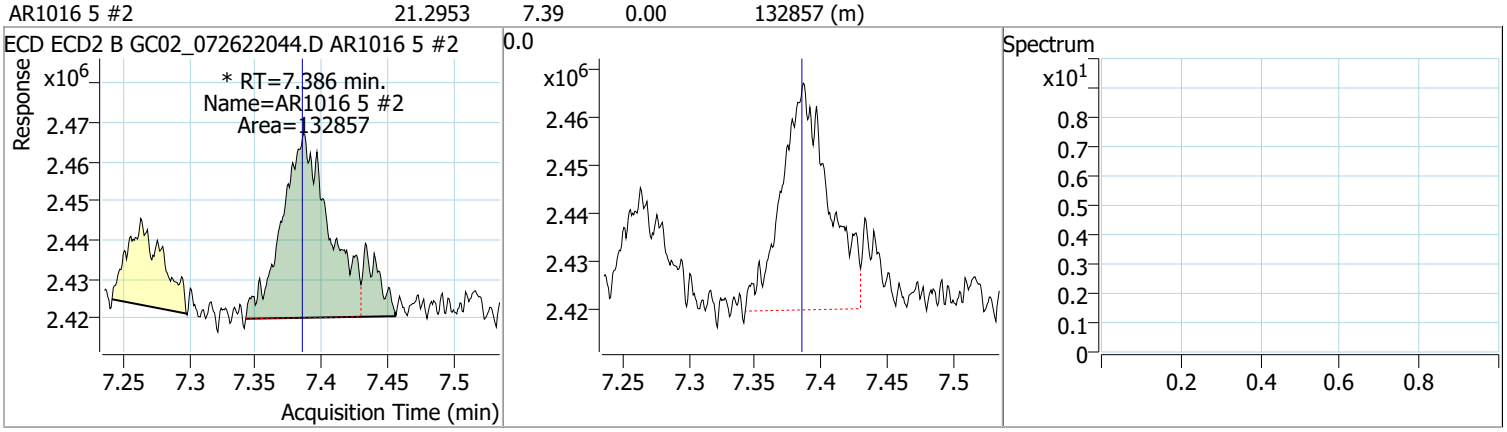
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	21.1878	6.42	0.00	229486				



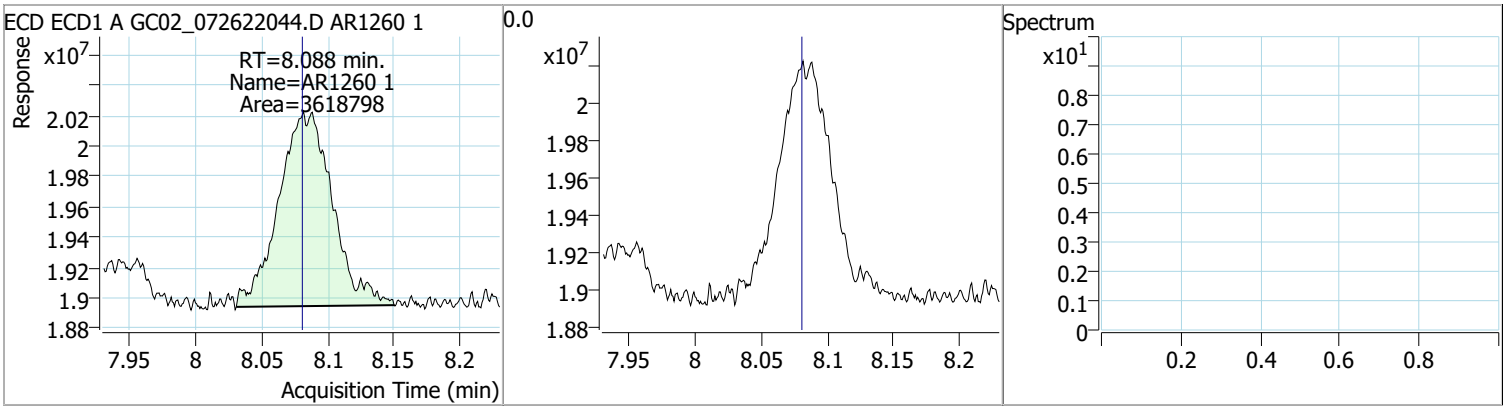
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	20.7820	6.58	0.00	159284				



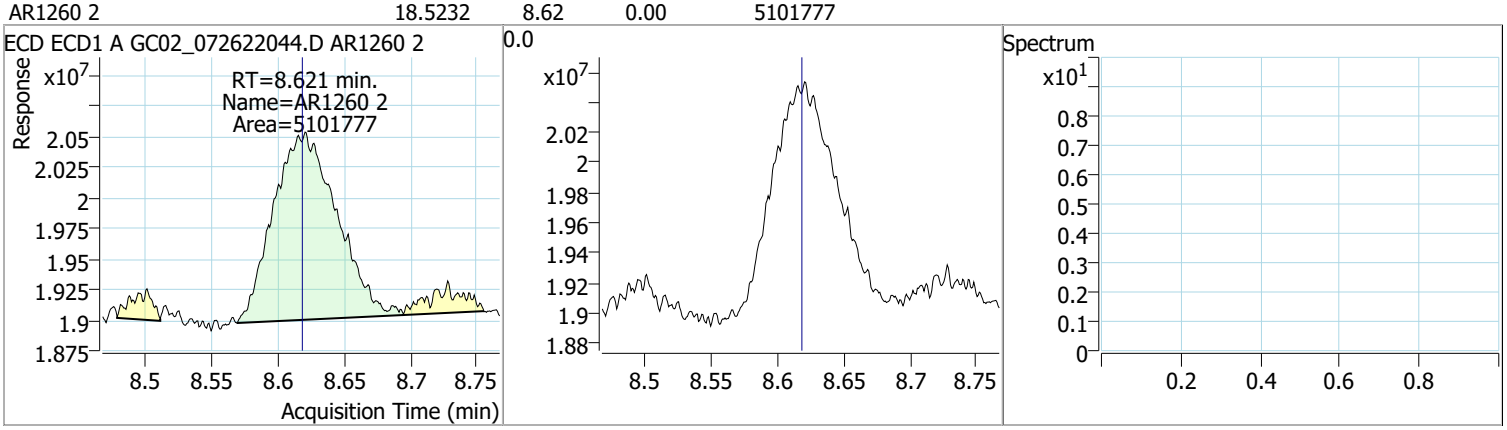
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	21.2953	7.39	0.00	132857 (m)				



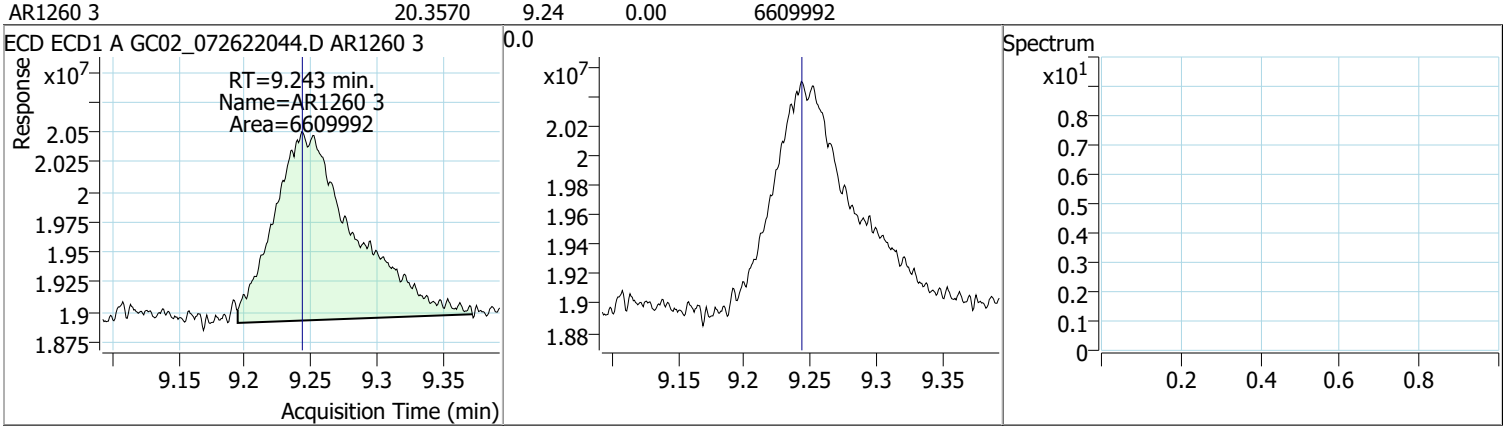
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	20.3653	8.09	0.01	3618798				



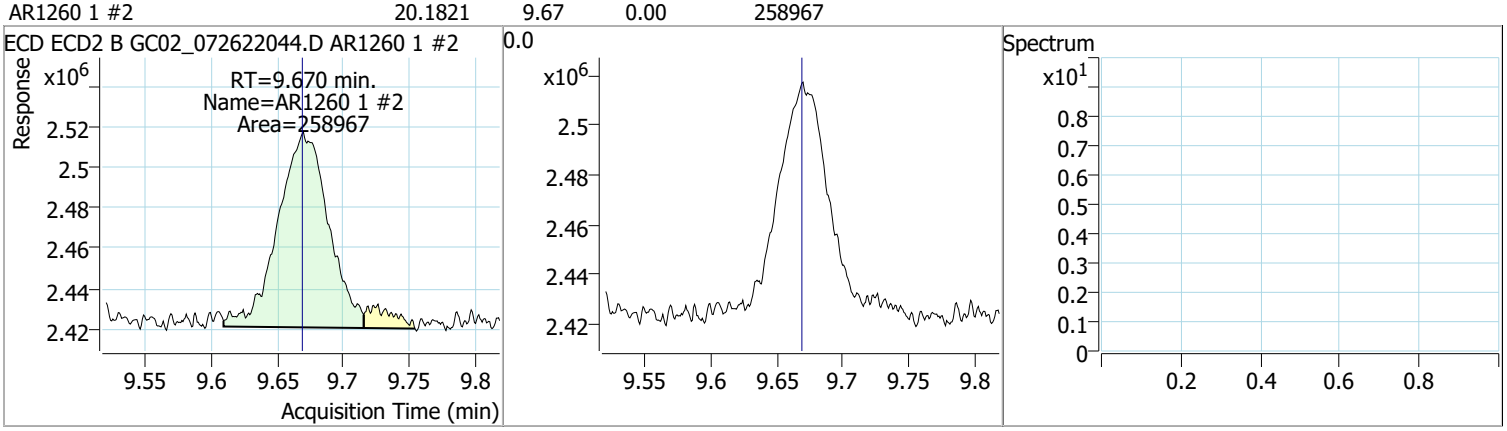
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	18.5232	8.62	0.00	5101777				



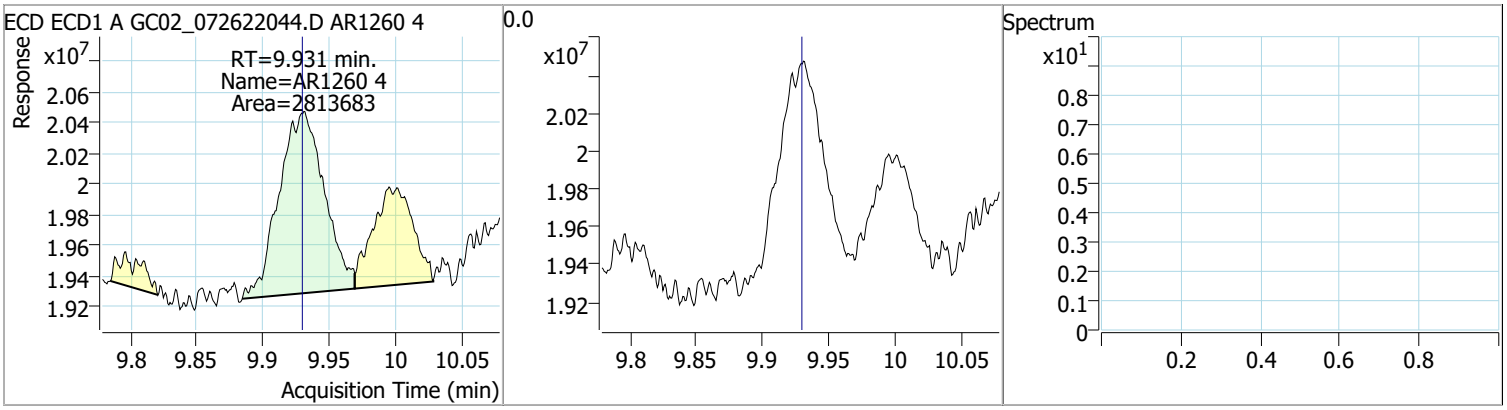
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	20.3570	9.24	0.00	6609992				



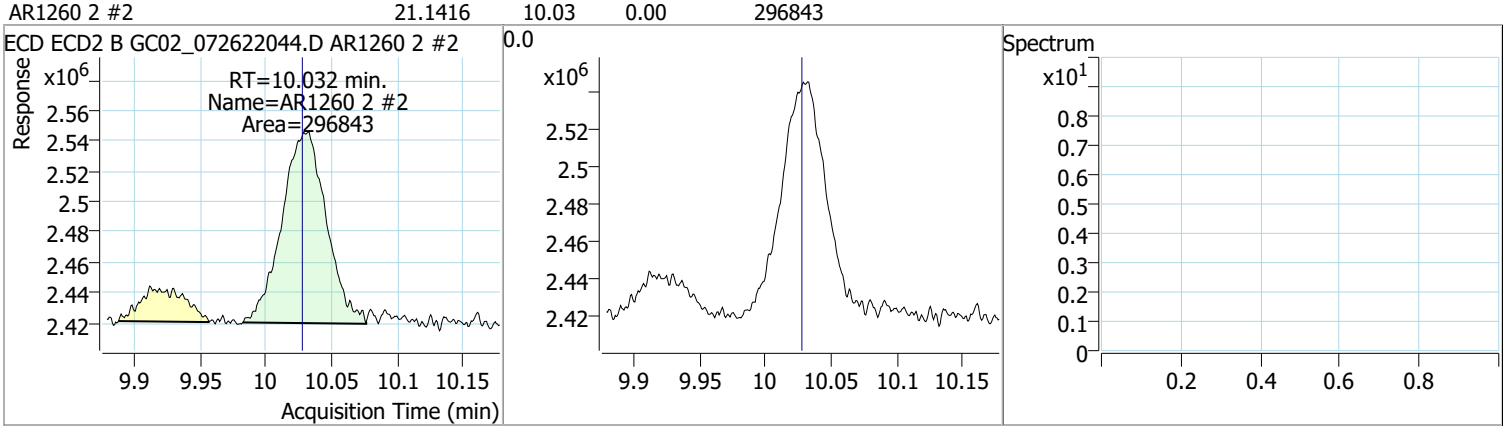
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	20.1821	9.67	0.00	258967				



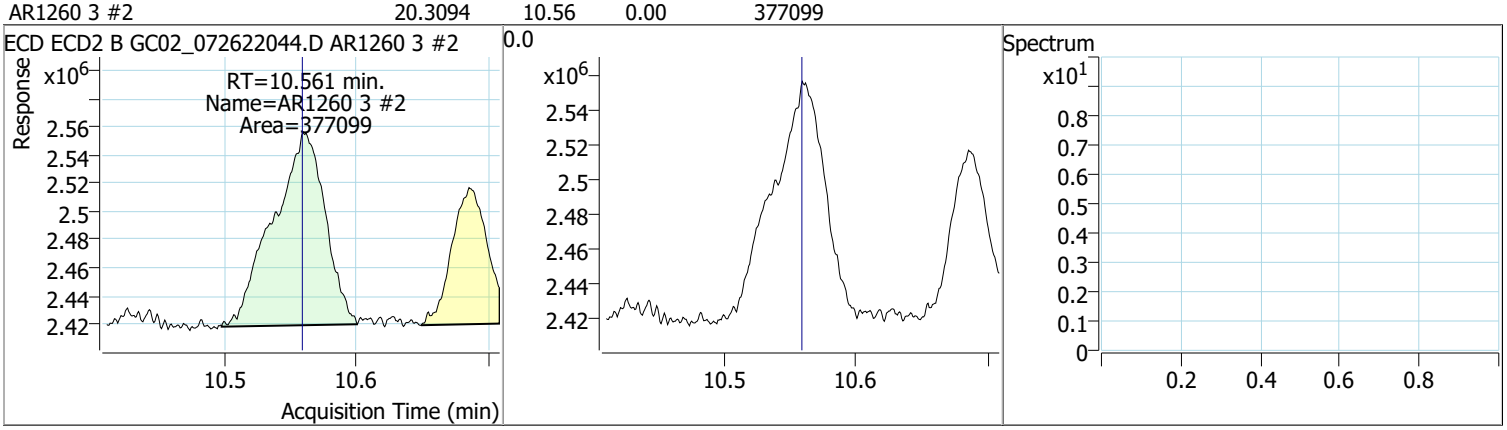
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	19.1435	9.93	0.00	2813683				



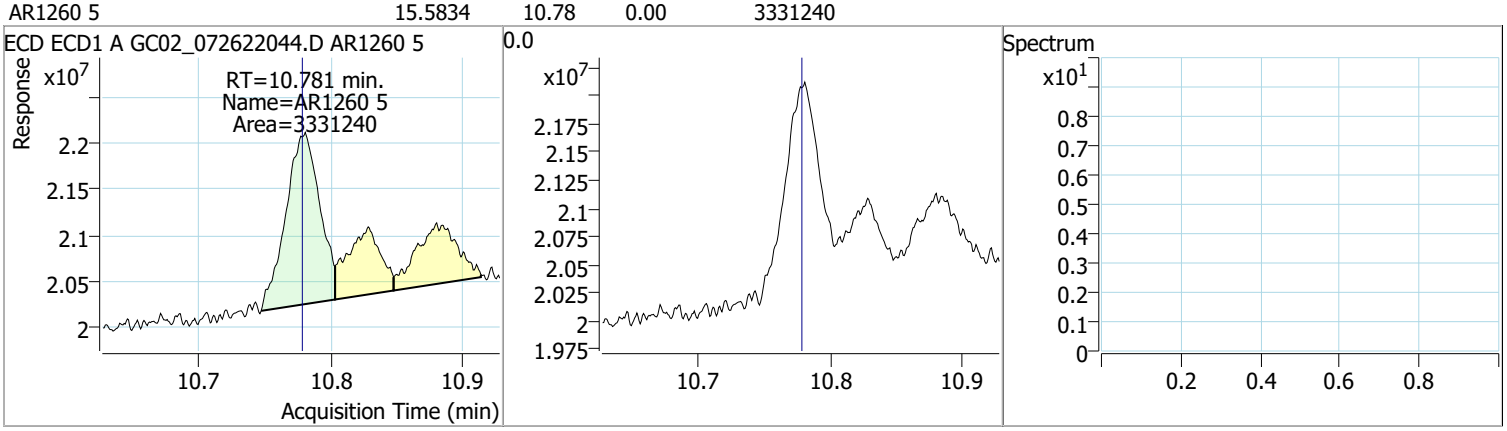
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	21.1416	10.03	0.00	296843				



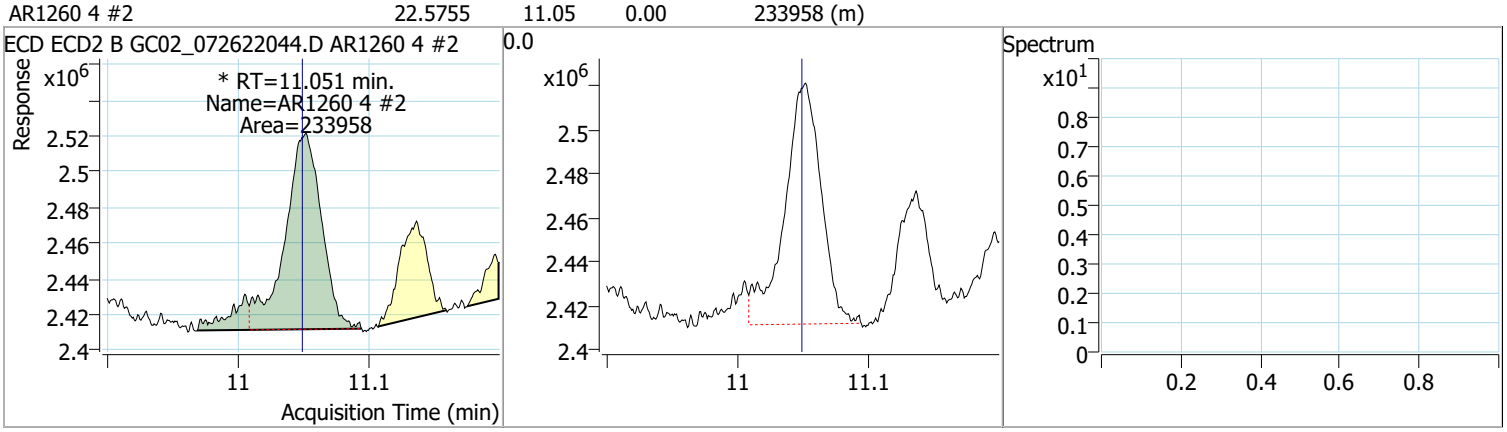
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	20.3094	10.56	0.00	377099				



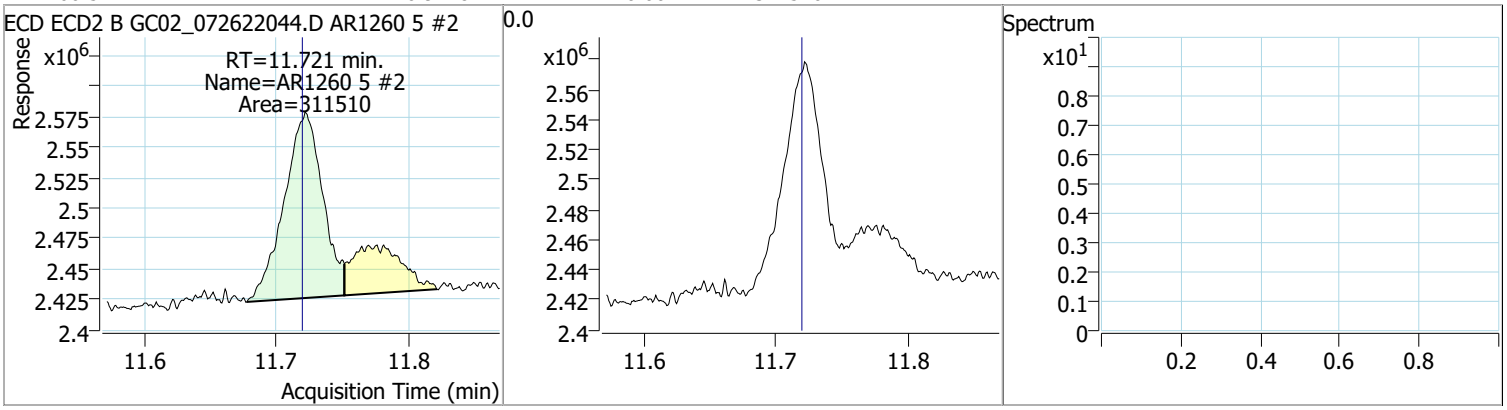
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	15.5834	10.78	0.00	3331240				



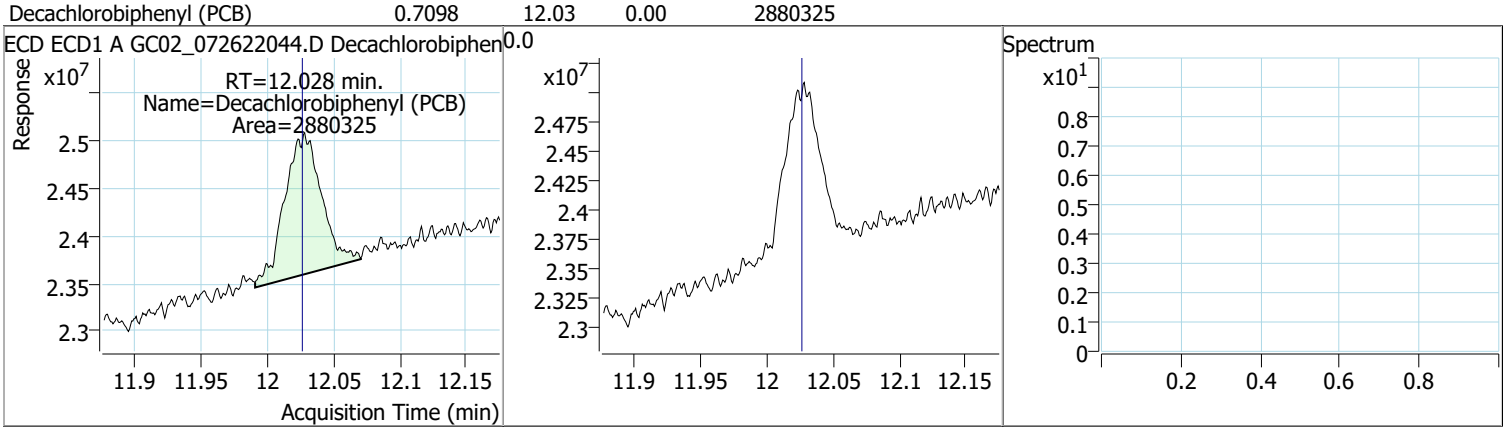
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	22.5755	11.05	0.00	233958 (m)				



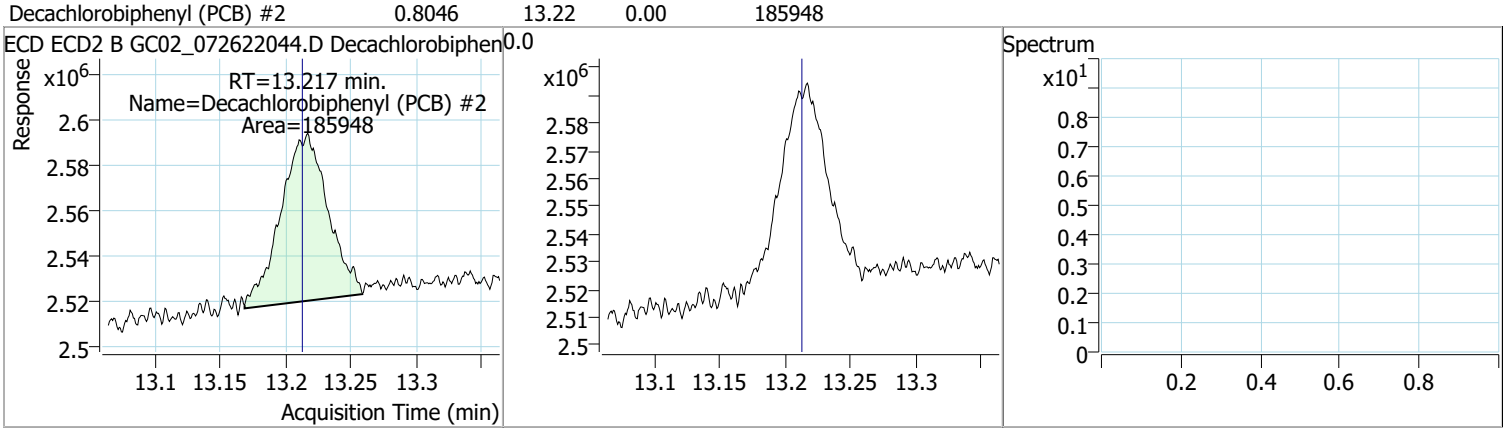
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	20.9448	11.72	0.00	311510				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	0.7098	12.03	0.00	2880325				

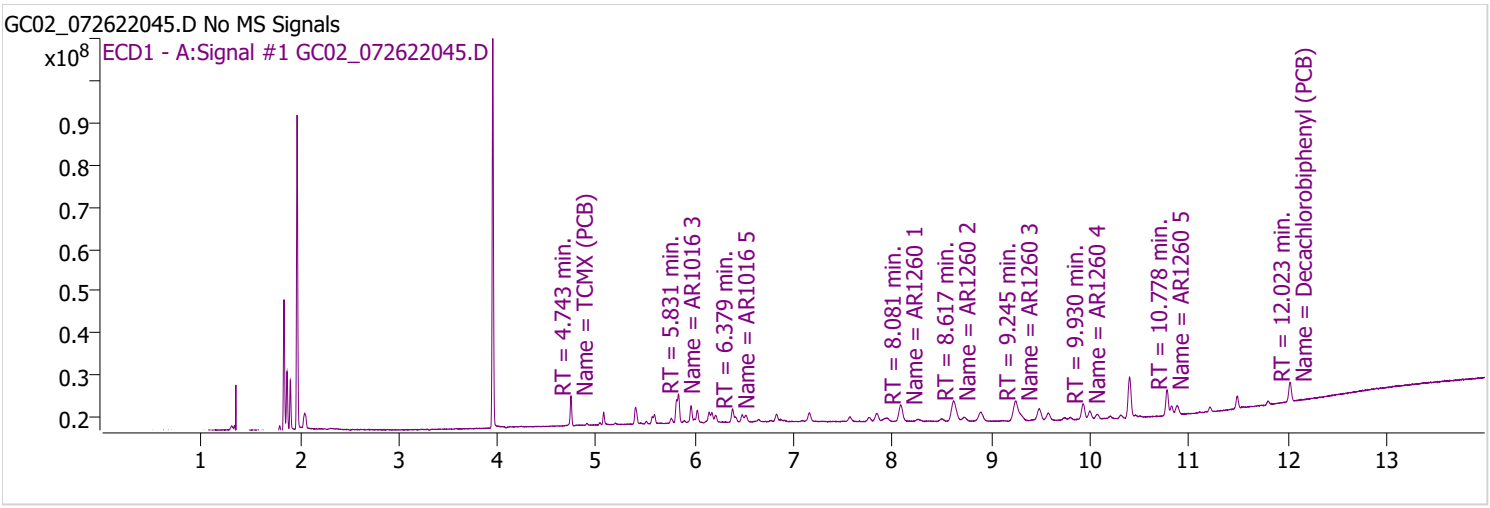


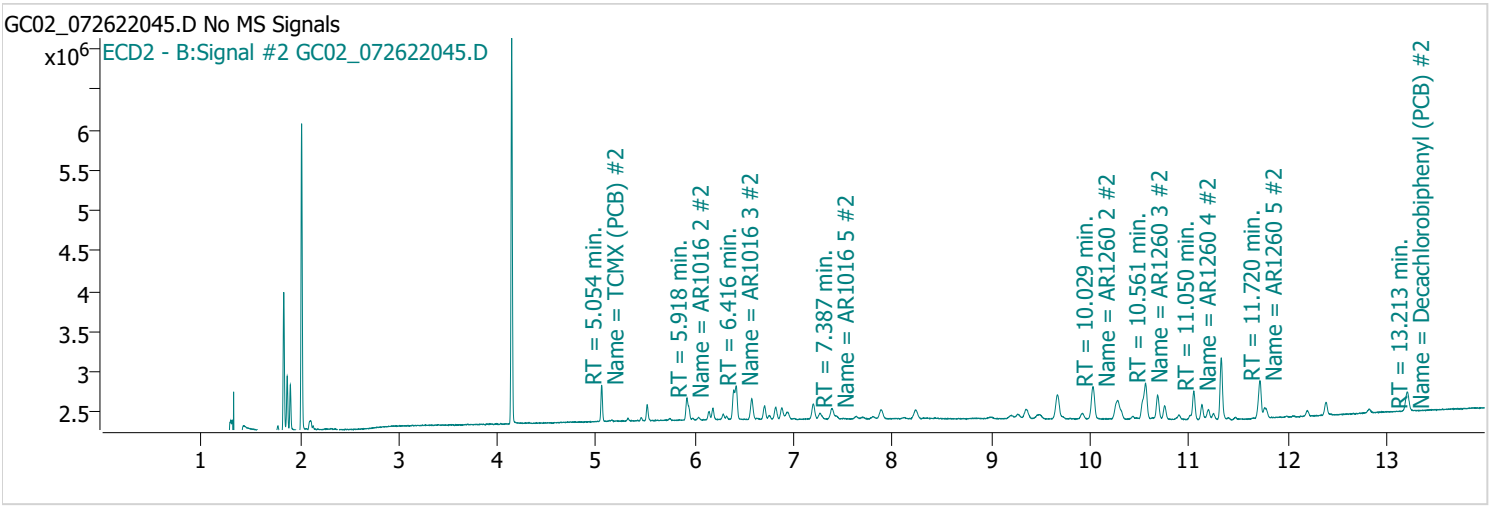
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	0.8046	13.22	0.00	185948				



Quantitation Results Report (Not Reviewed)

Data File	GC02_072622045.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	7/27/2022 8:21:07 AM
Sample Name	ICAL, S17023, 40, S17010, 250	Instrument	SVOA-GC02
Vial	82	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_1.m	Comment	50PPB PCB ICAL 2
Tune File	ATUNE.U	Tune Date	
Batch Name	072622PCBICAL.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



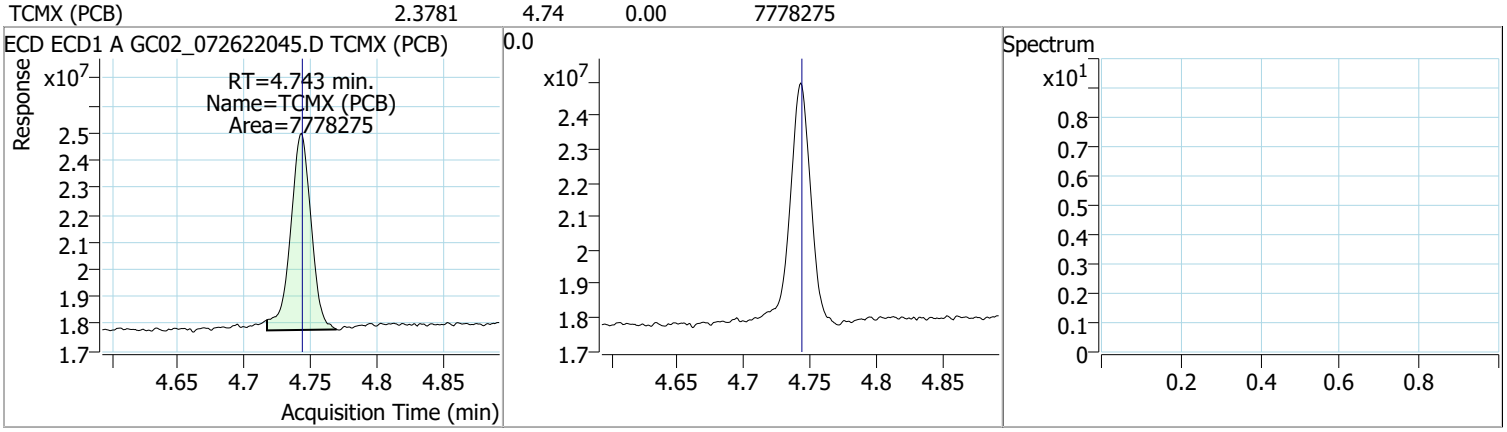


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.952	0.0	83889003.450	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.143	0.0	4436281.914	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.743	0.0	7778274.510	2.3781	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 11.89%		*	
S TCMX (PCB) #2	5.054	0.0	502173.831	2.4774	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 12.39%		*	
S Decachlorobiphenyl (PCB)	12.023	0.0	9091394.099	2.3154	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 11.58%		*	
S Decachlorobiphenyl (PCB) #2	13.213	0.0	605214.685	2.6706	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 13.35%		*	
Target Compounds							**QValue**
T AR1016 1	5.075	0.0	3327895.824	60.4333	ng/ml		100

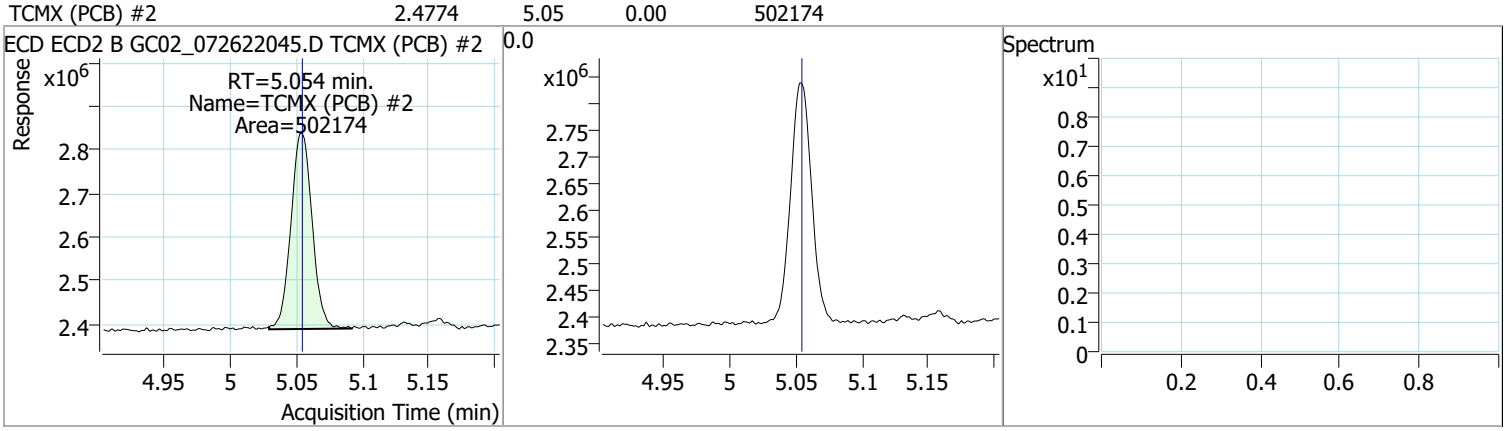
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.396	0.0	6653157.148	62.5817	ng/ml		100
T AR1016 1 #2	5.515	0.0	251133.431	60.0809	ng/ml		100
T AR1016 3	5.831	0.0	9769060.373	58.5090	ng/ml	m	100
T AR1016 2 #2	5.918	0.0	554473.171	64.6824	ng/ml		100
T AR1016 4	5.959	0.0	5843386.816	59.8179	ng/ml		100
T AR1016 5	6.379	0.0	5095825.628	59.5474	ng/ml	m	100
T AR1016 3 #2	6.416	0.0	670786.099	63.1564	ng/ml	m	100
T AR1016 4 #2	6.574	0.0	471244.780	62.6998	ng/ml		100
T AR1016 5 #2	7.387	0.0	374475.631	61.2106	ng/ml		100
T AR1260 1	8.081	0.0	10764588.911	62.6081	ng/ml		100
T AR1260 2	8.617	0.0	16670325.719	62.5527	ng/ml		100
T AR1260 3	9.245	0.0	19680907.182	62.6419	ng/ml		100
T AR1260 1 #2	9.669	0.0	830200.122	65.9792	ng/ml		100
T AR1260 4	9.930	0.0	8394950.686	59.0300	ng/ml		100
T AR1260 2 #2	10.029	0.0	947790.452	68.8380	ng/ml		100
T AR1260 3 #2	10.561	0.0	1226183.767	67.3442	ng/ml		100
T AR1260 5	10.778	0.0	11909486.453	57.5778	ng/ml		100
T AR1260 4 #2	11.050	0.0	707465.370	69.6158	ng/ml		100
T AR1260 5 #2	11.720	0.0	981973.309	67.3296	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

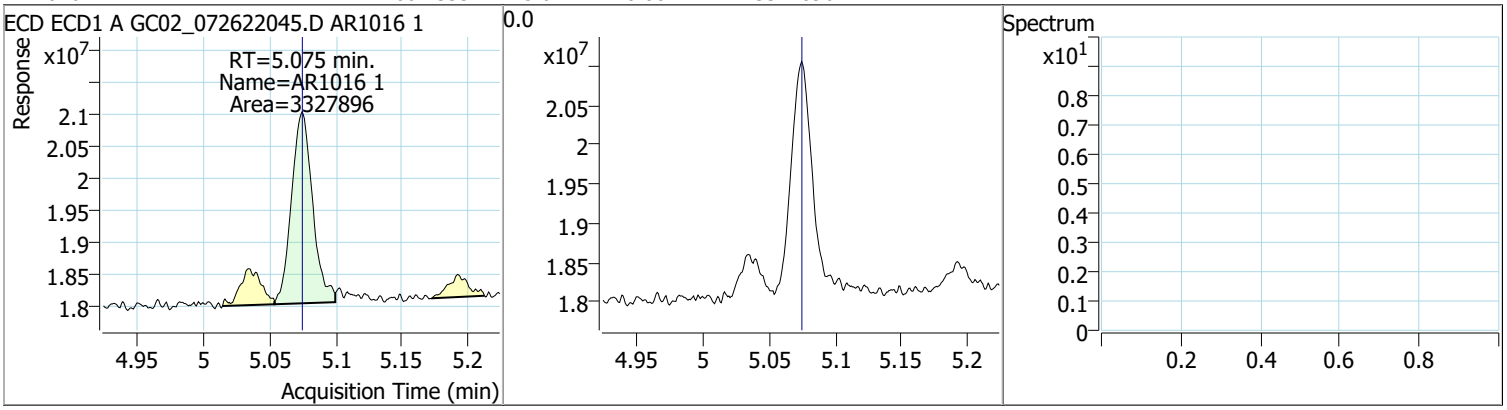
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	2.3781	4.74	0.00	7778275				



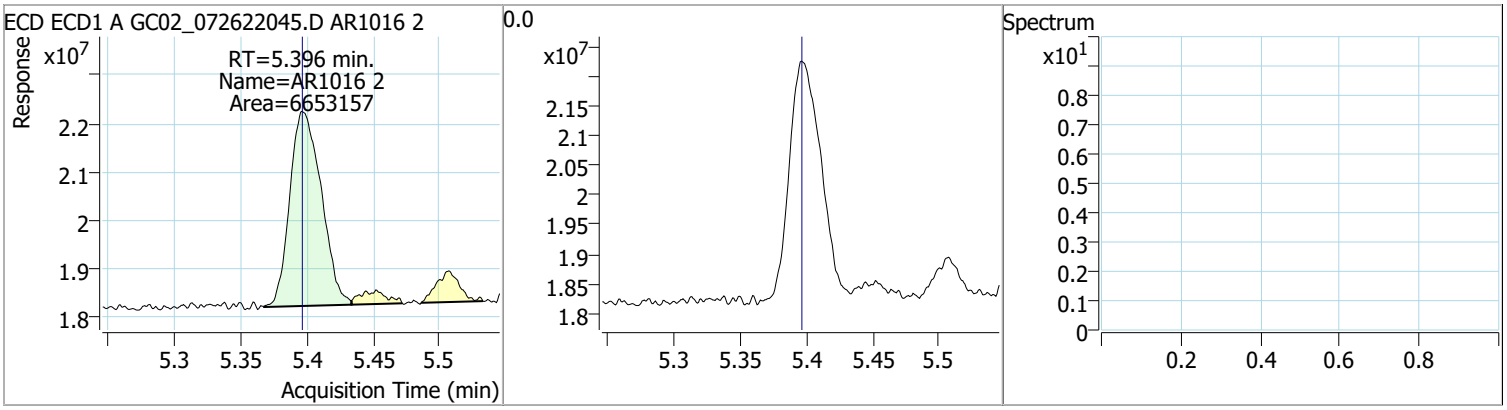
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	2.4774	5.05	0.00	502174				



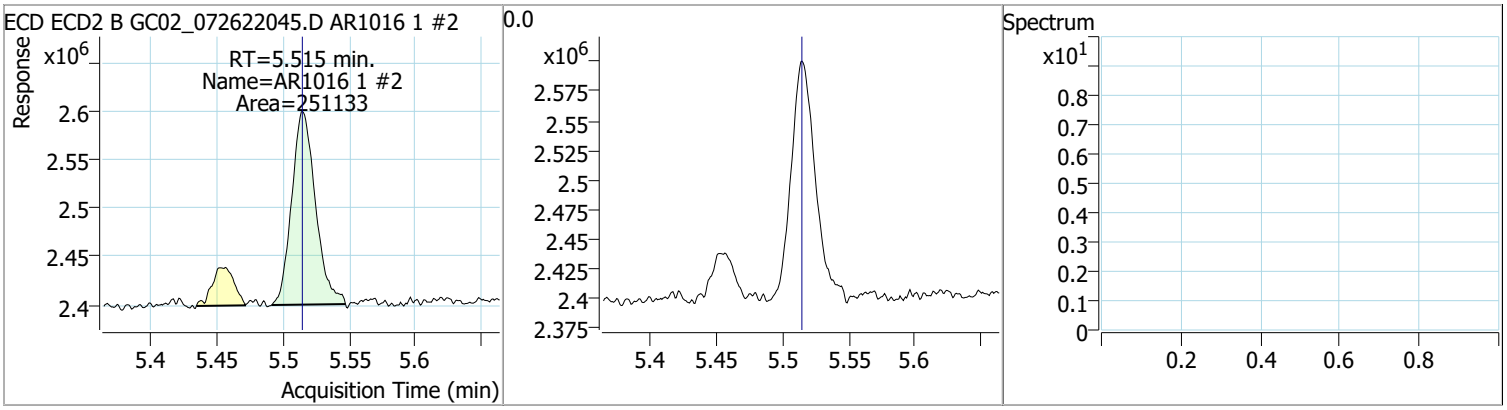
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	60.4333	5.07	0.00	3327896				



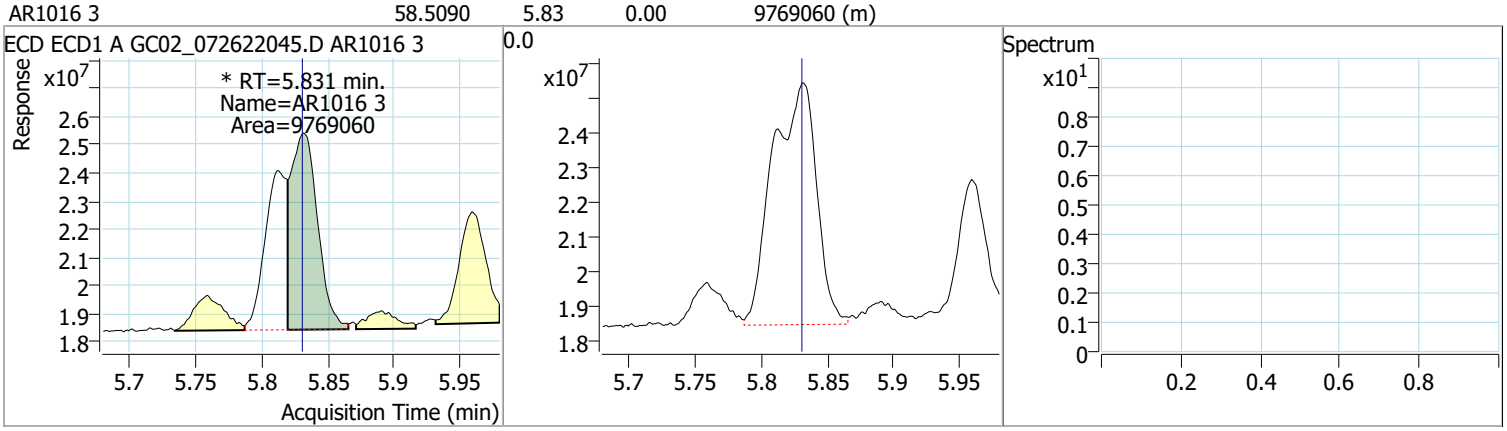
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	62.5817	5.40	0.00	6653157				



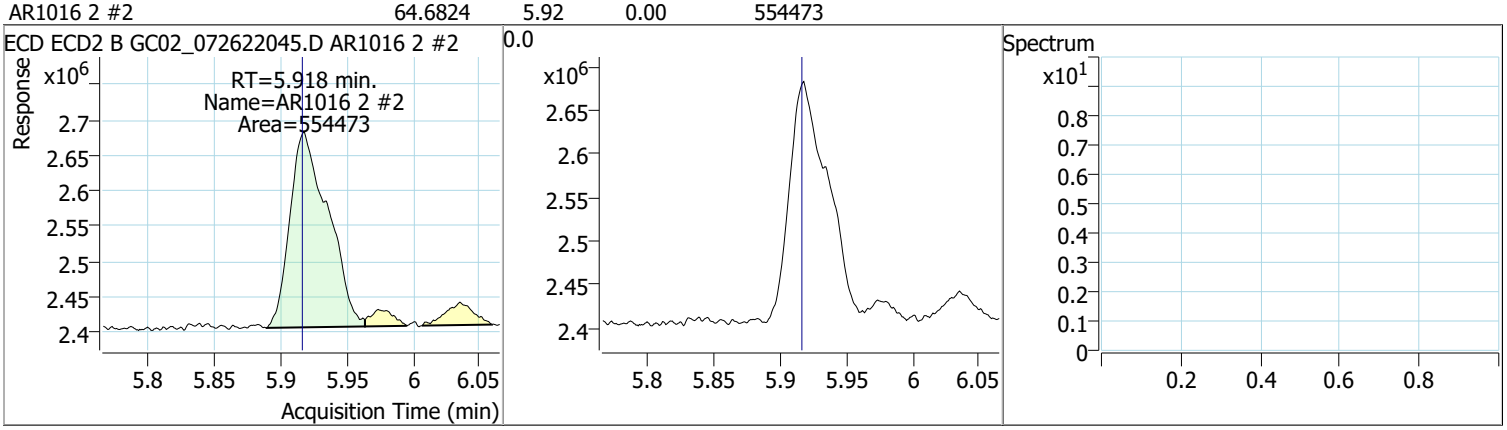
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	60.0809	5.51	0.00	251133				



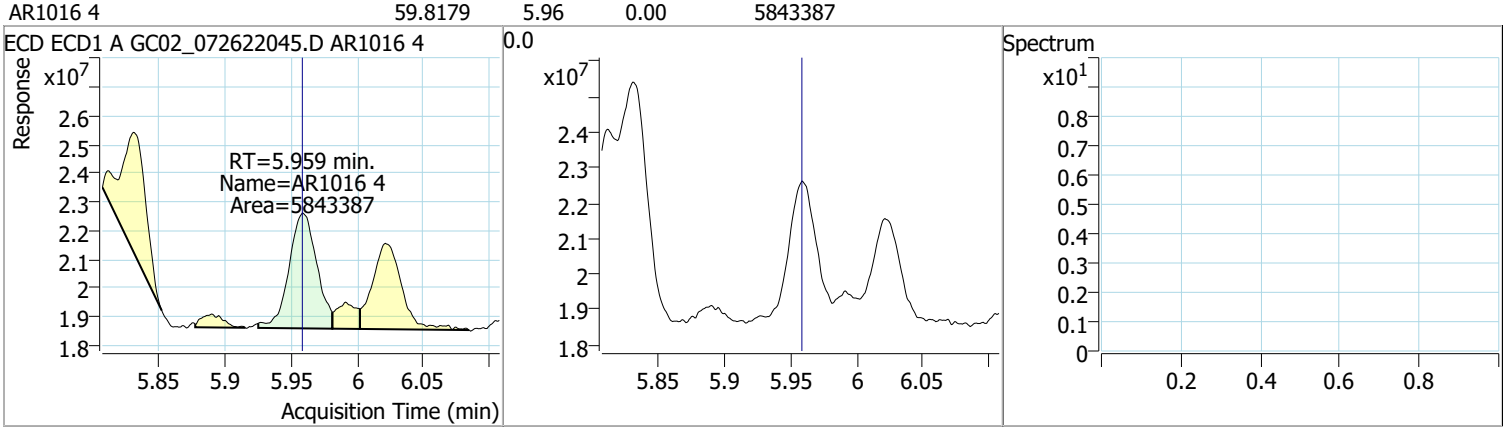
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	58.5090	5.83	0.00	9769060 (m)				



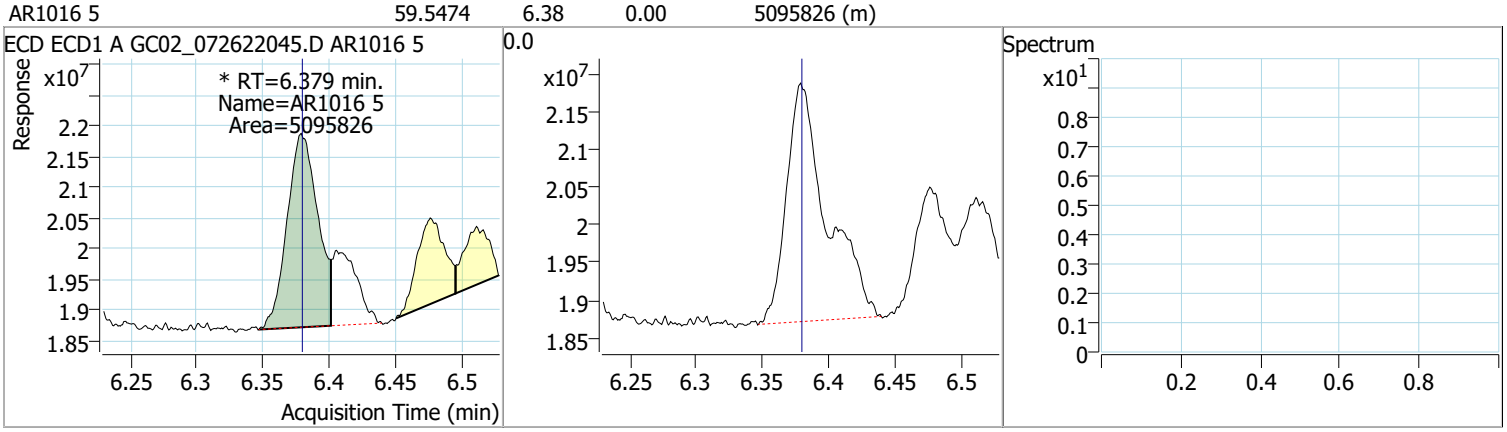
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	64.6824	5.92	0.00	554473				



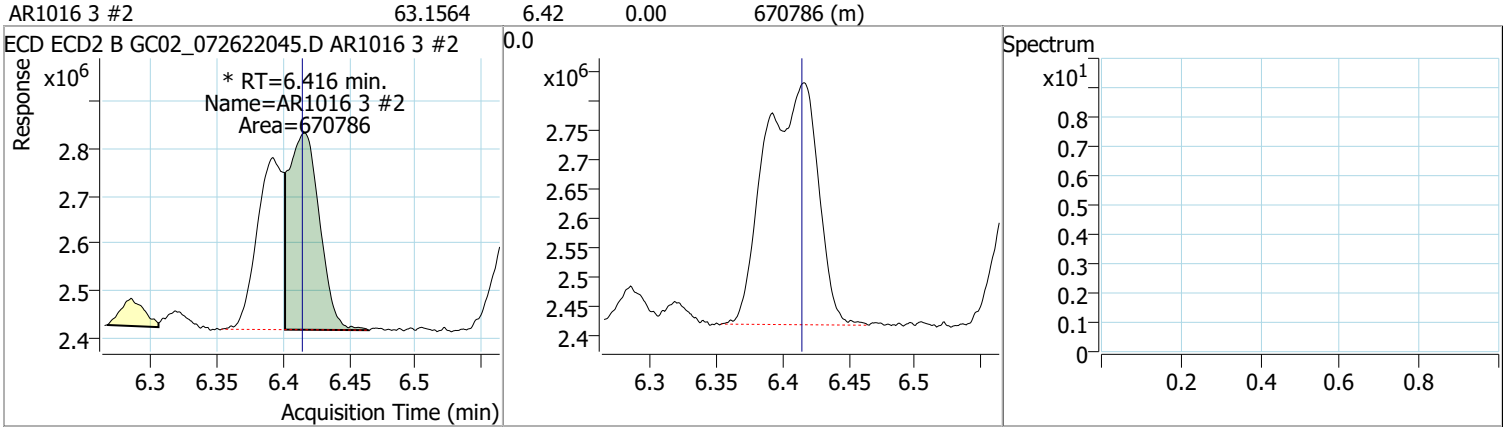
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	59.8179	5.96	0.00	5843387				



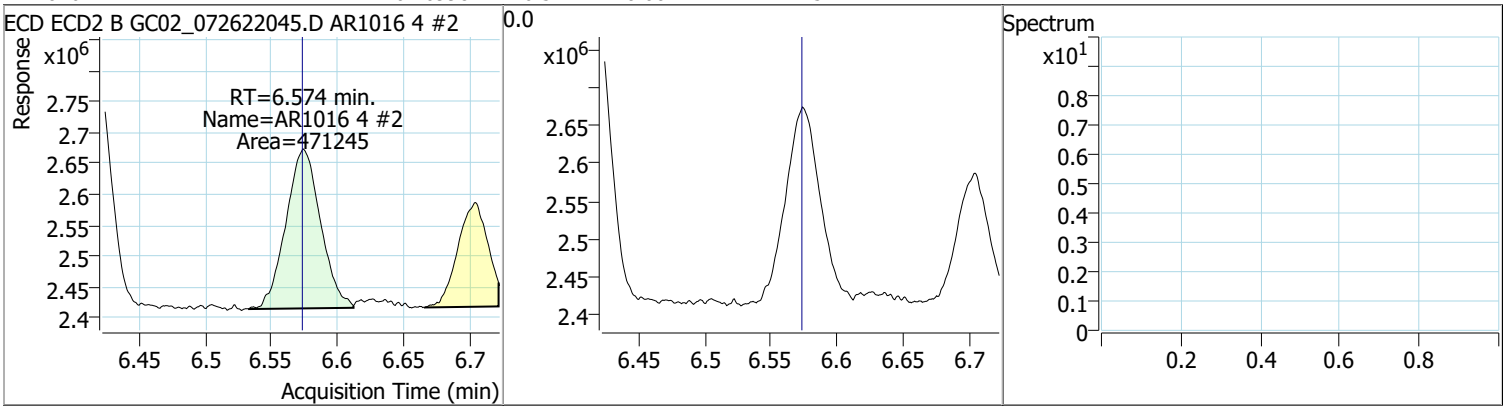
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	59.5474	6.38	0.00	5095826 (m)				



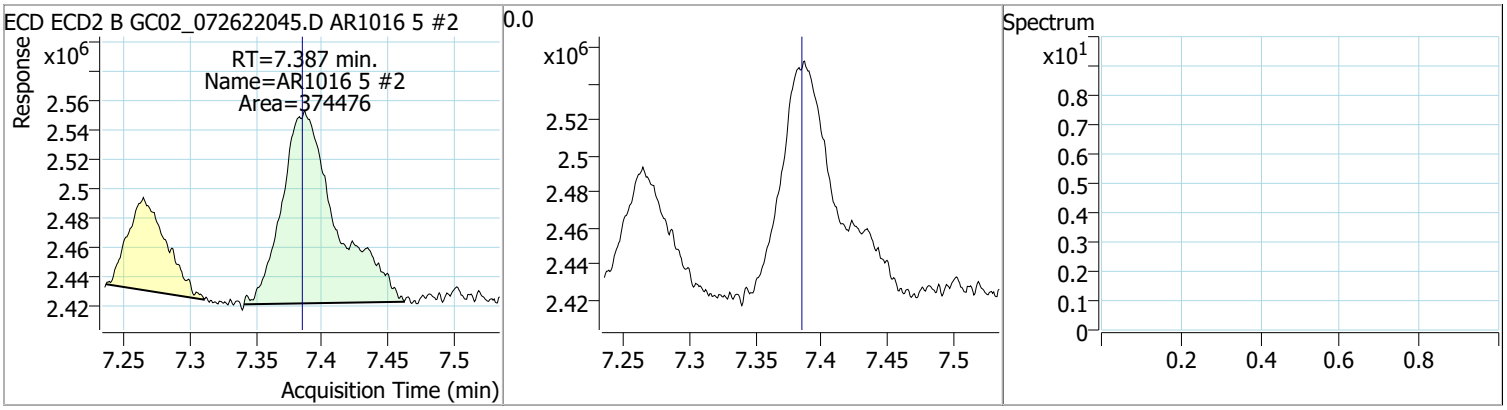
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	63.1564	6.42	0.00	670786 (m)				



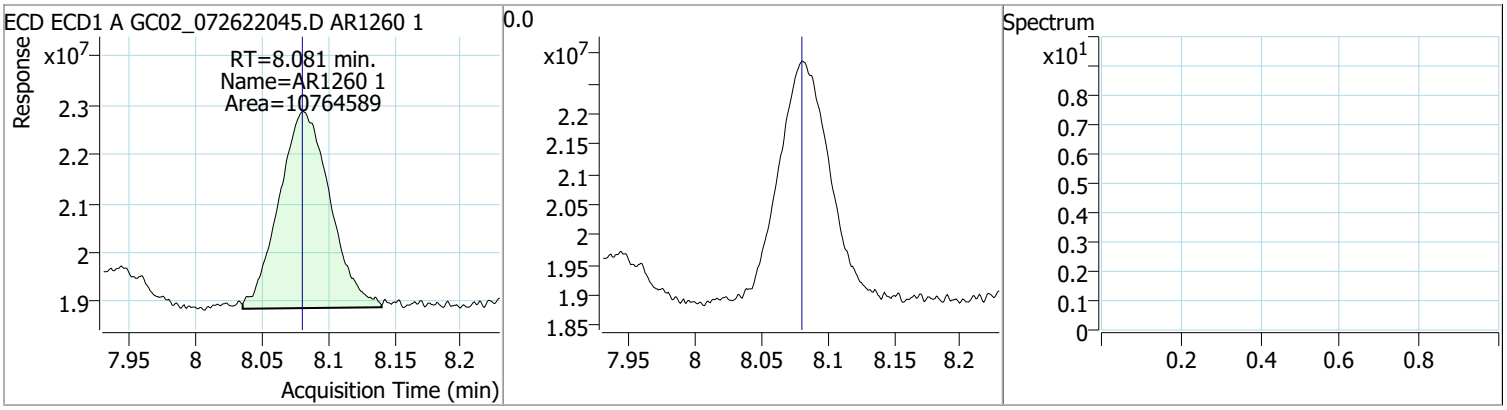
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	62.6998	6.57	0.00	471245				



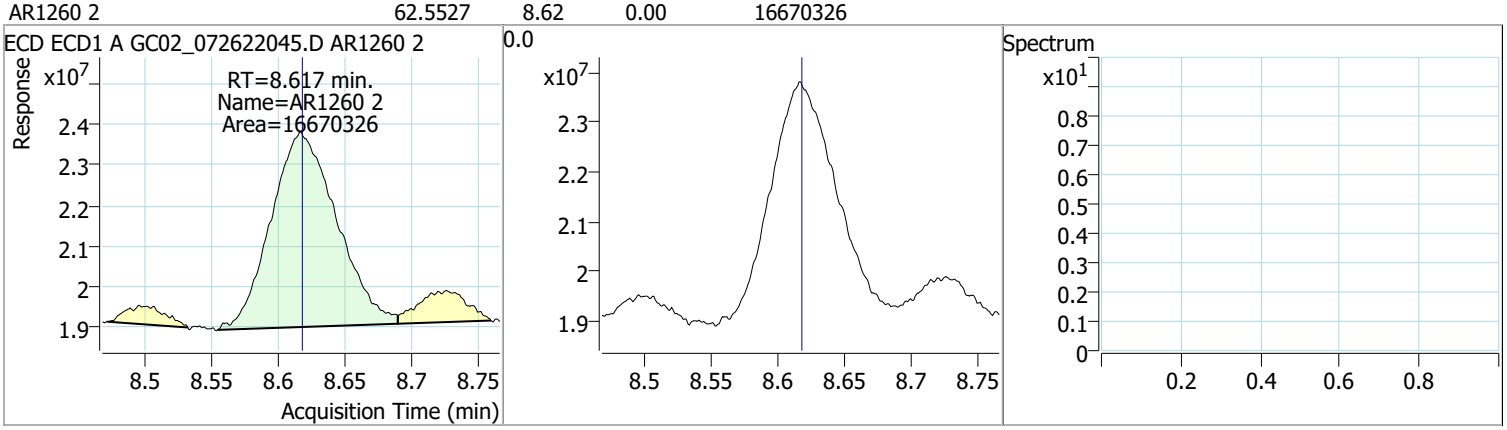
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	61.2106	7.39	0.00	374476				



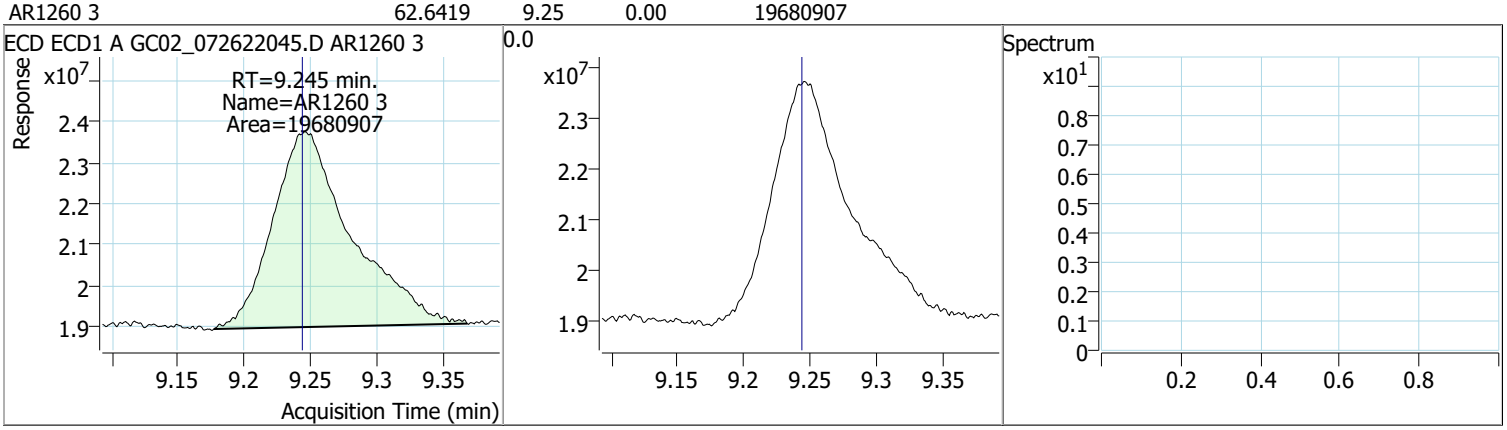
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	62.6081	8.08	0.00	10764589				



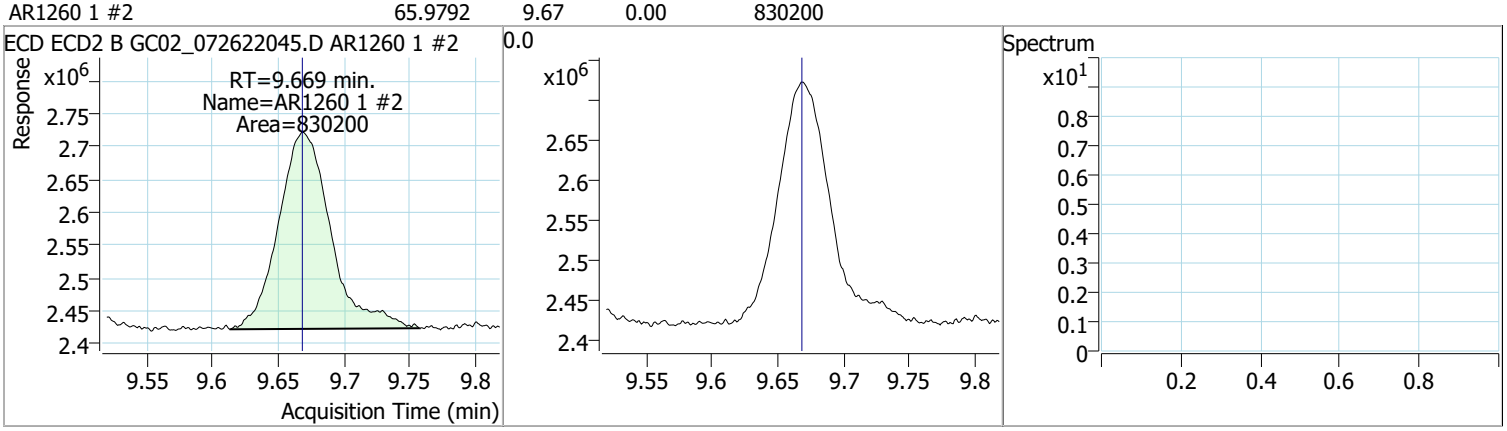
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	62.5527	8.62	0.00	16670326				



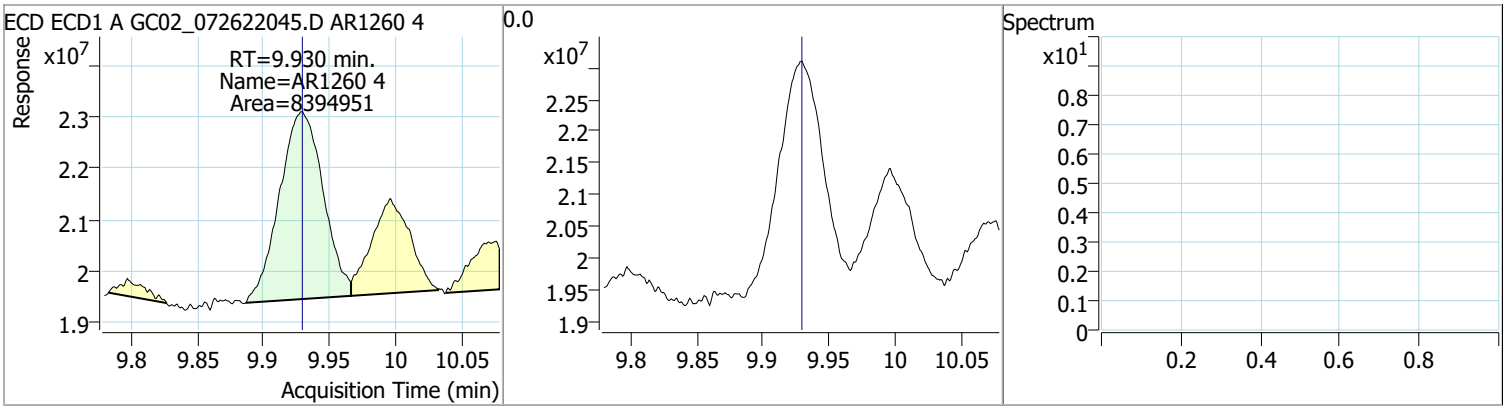
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	62.6419	9.25	0.00	19680907				



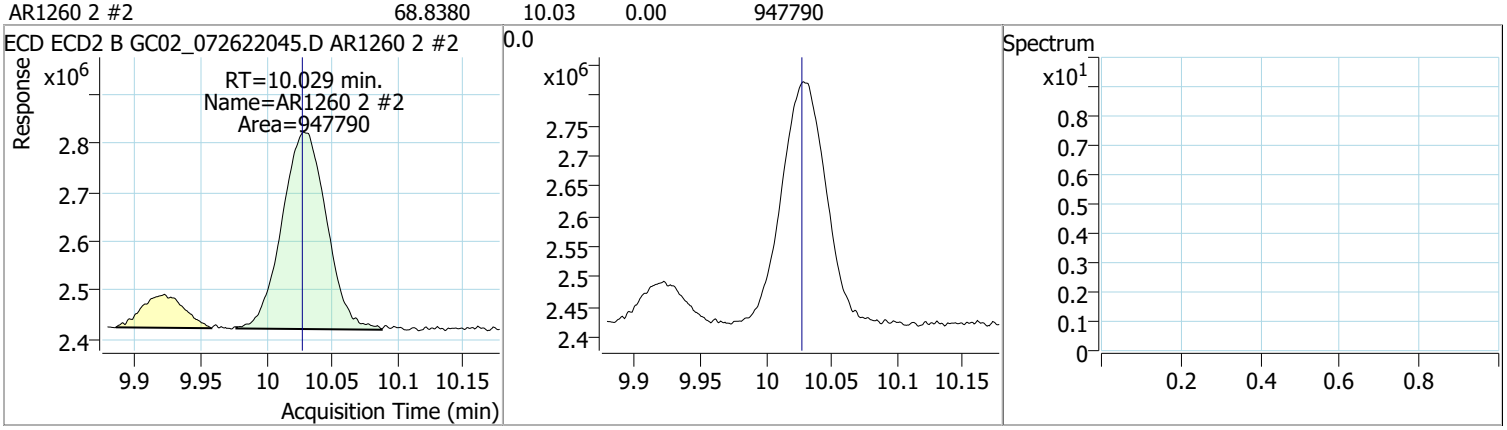
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	65.9792	9.67	0.00	830200				



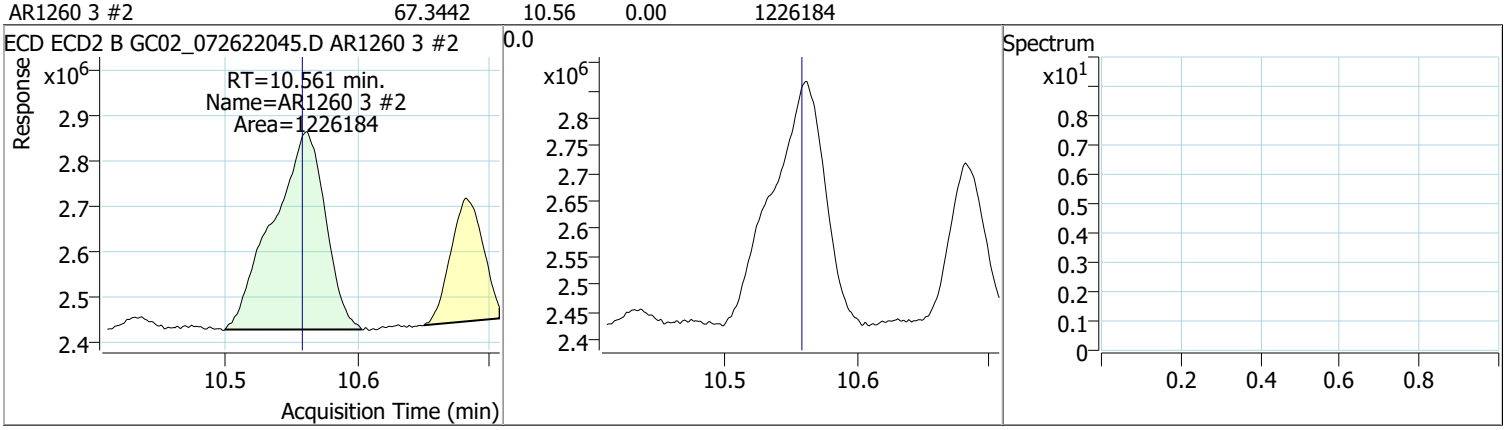
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	59.0300	9.93	0.00	8394951				



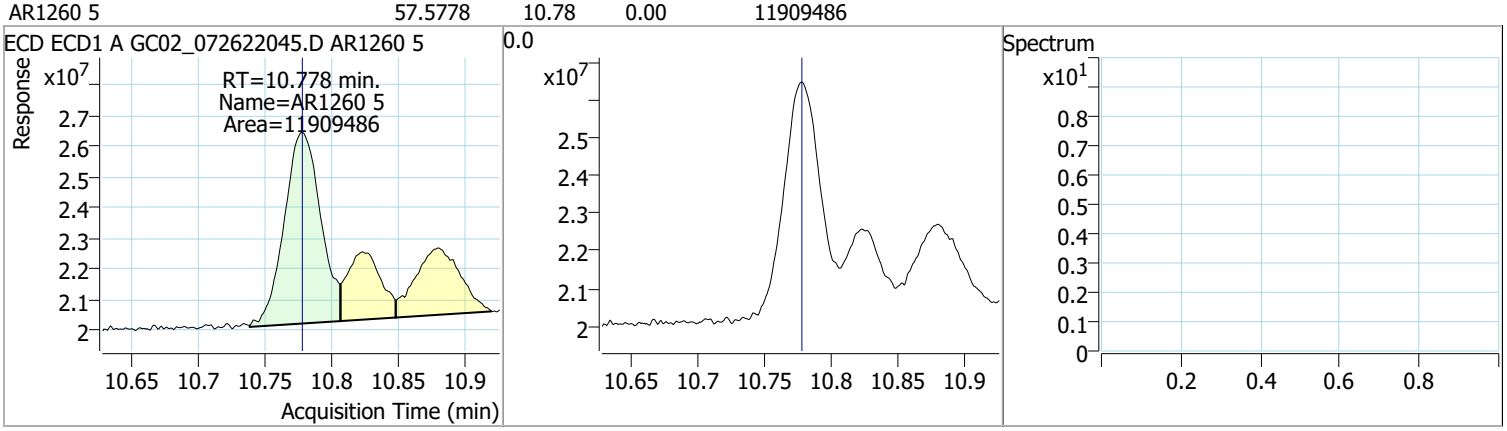
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	68.8380	10.03	0.00	947790				



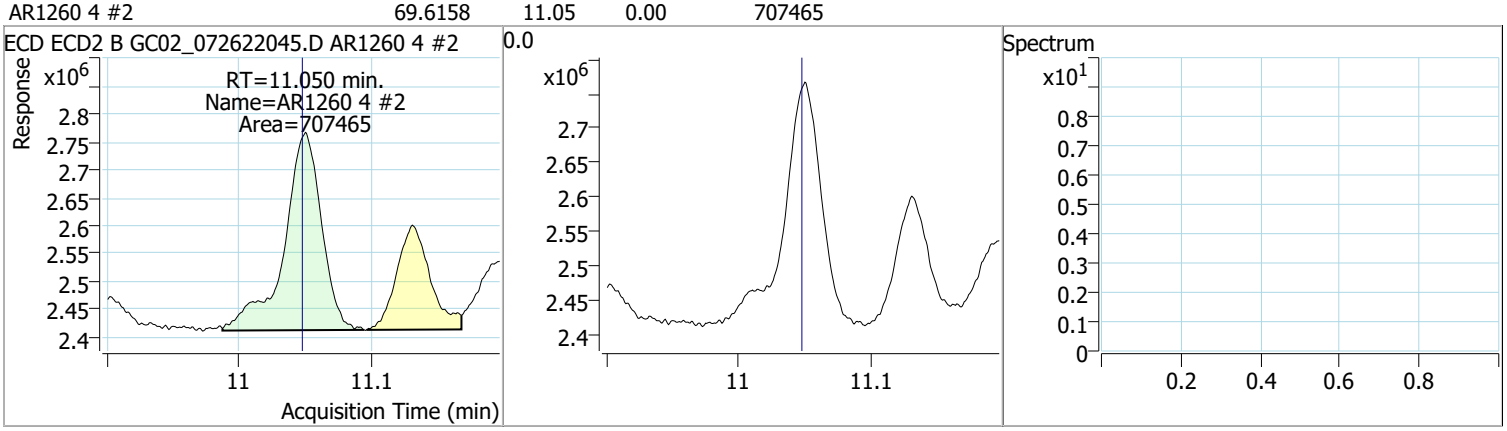
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	67.3442	10.56	0.00	1226184				



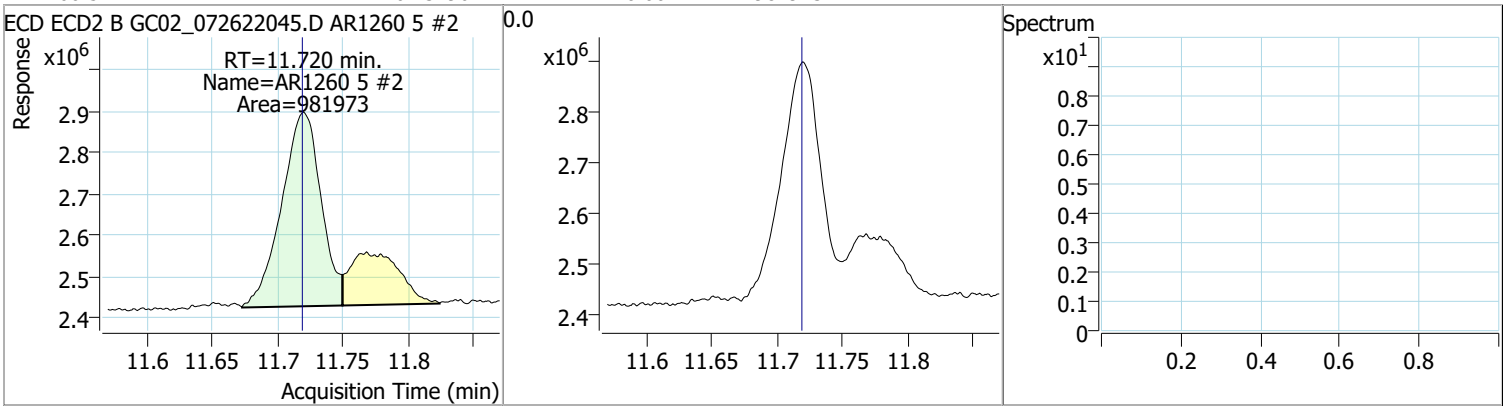
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	57.5778	10.78	0.00	11909486				



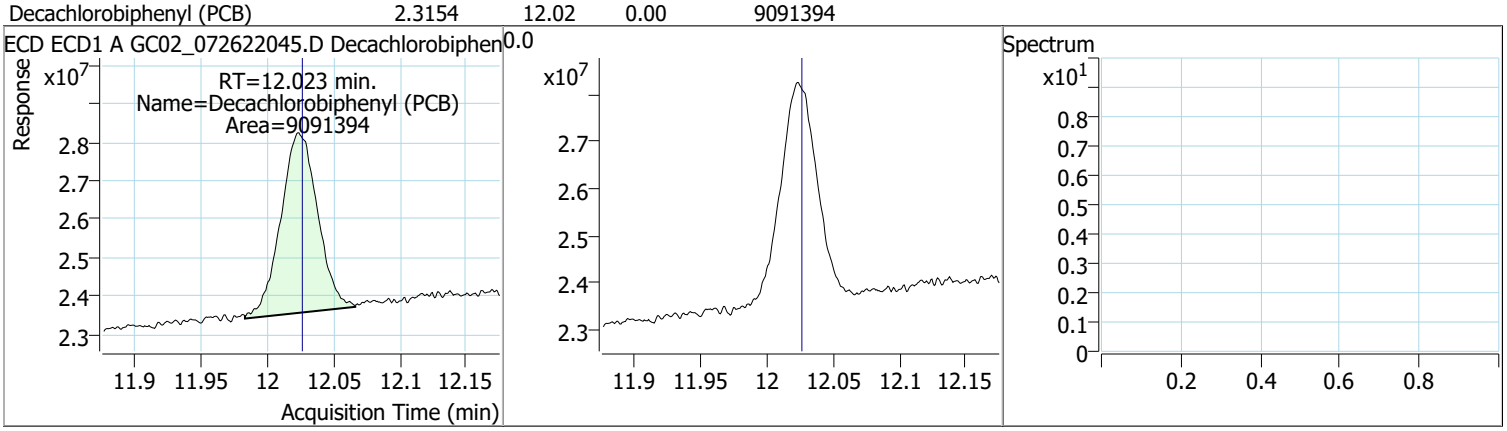
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	69.6158	11.05	0.00	707465				



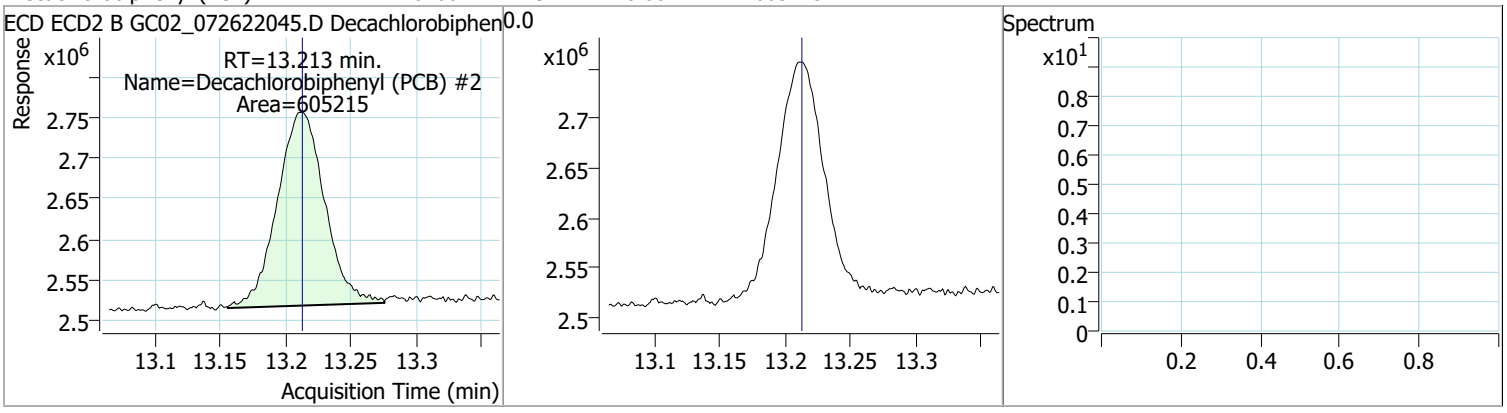
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	67.3296	11.72	0.00	981973				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	2.3154	12.02	0.00	9091394				

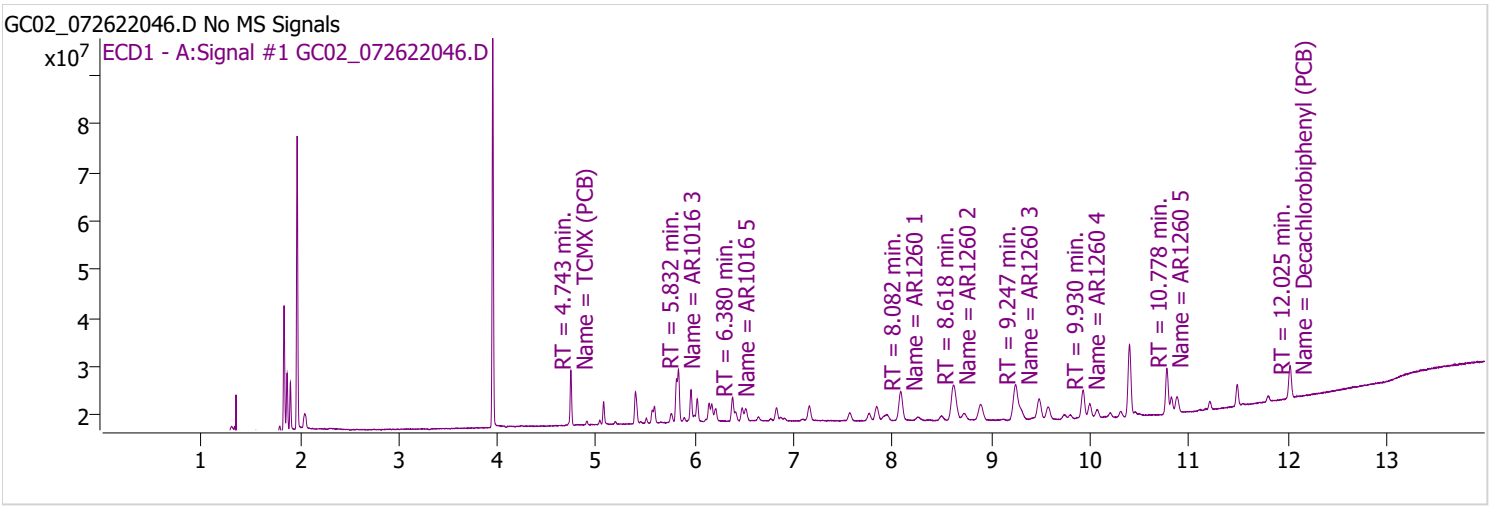


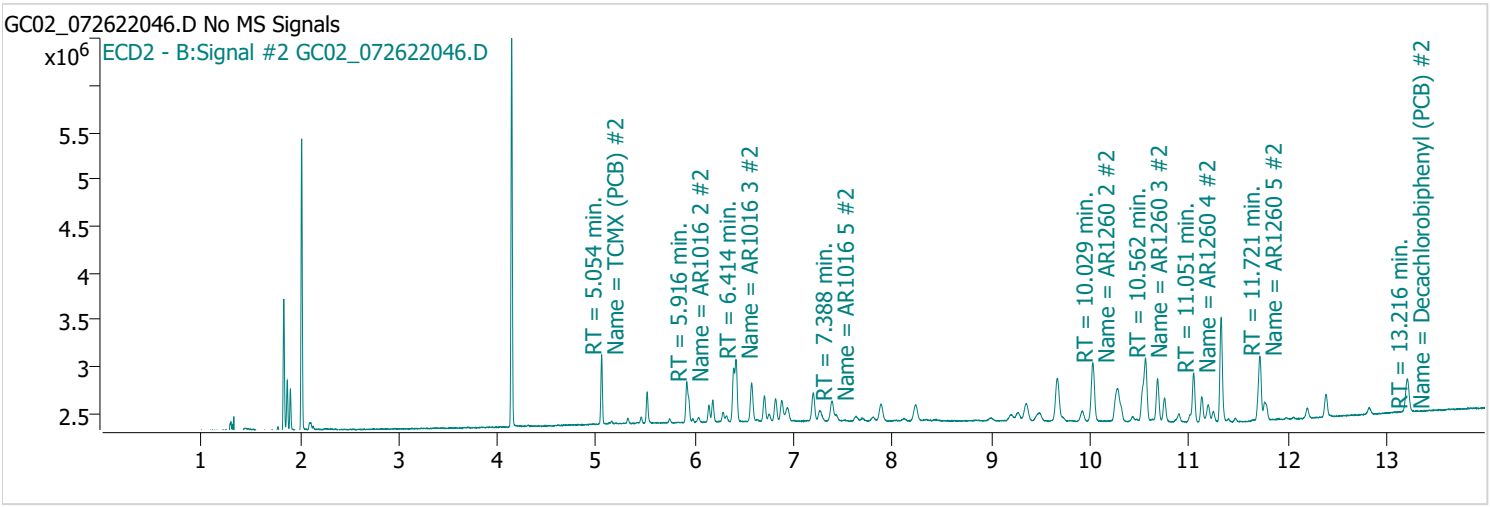
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.6706	13.21	0.00	605215				



Quantitation Results Report (Not Reviewed)

Data File	GC02_072622046.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	7/27/2022 8:38:54 AM
Sample Name	ICAL, S17023, 20, S17010, 250	Instrument	SVOA-GC02
Vial	83	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_1.m	Comment	100PPB PCB ICAL 3
Tune File	ATUNE.U	Tune Date	
Batch Name	072622PCBICAL.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



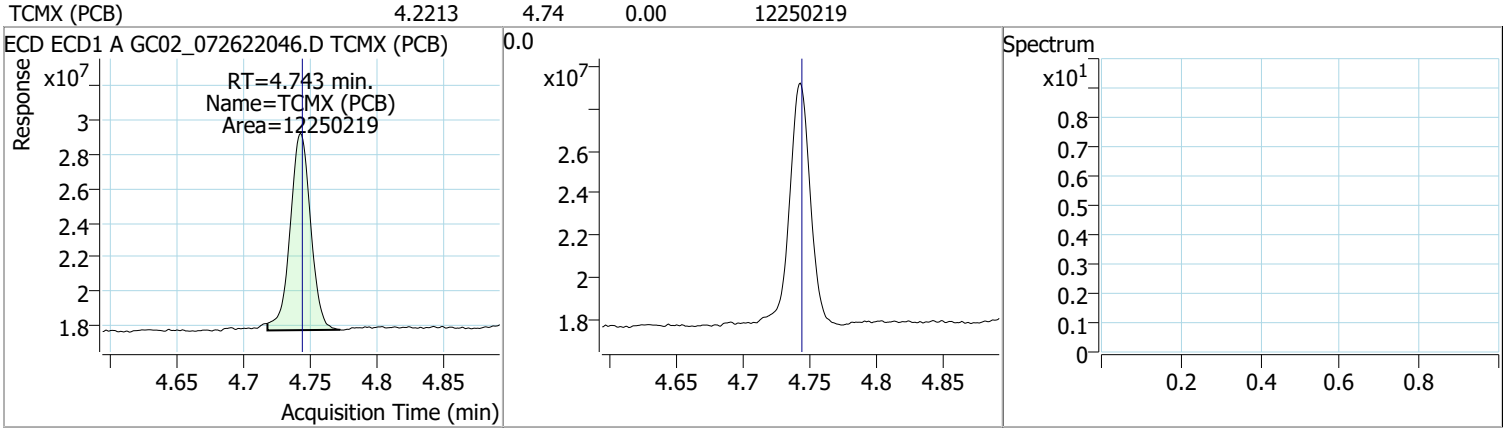


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.952	0.0	74431250.513	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.144	0.0	3936345.498	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.743	0.0	12250218.866	4.2213	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 21.11%		*	
S TCMX (PCB) #2	5.054	0.0	812254.758	4.5160	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 22.58%		*	
S Decachlorobiphenyl (PCB)	12.025	0.0	13254106.673	3.8045	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 19.02%		*	
S Decachlorobiphenyl (PCB) #2	13.216	0.0	884967.952	4.4011	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 22.01%		*	
Target Compounds							QValue
T AR1016 1	5.074	0.0	5603816.739	114.6939	ng/ml		100

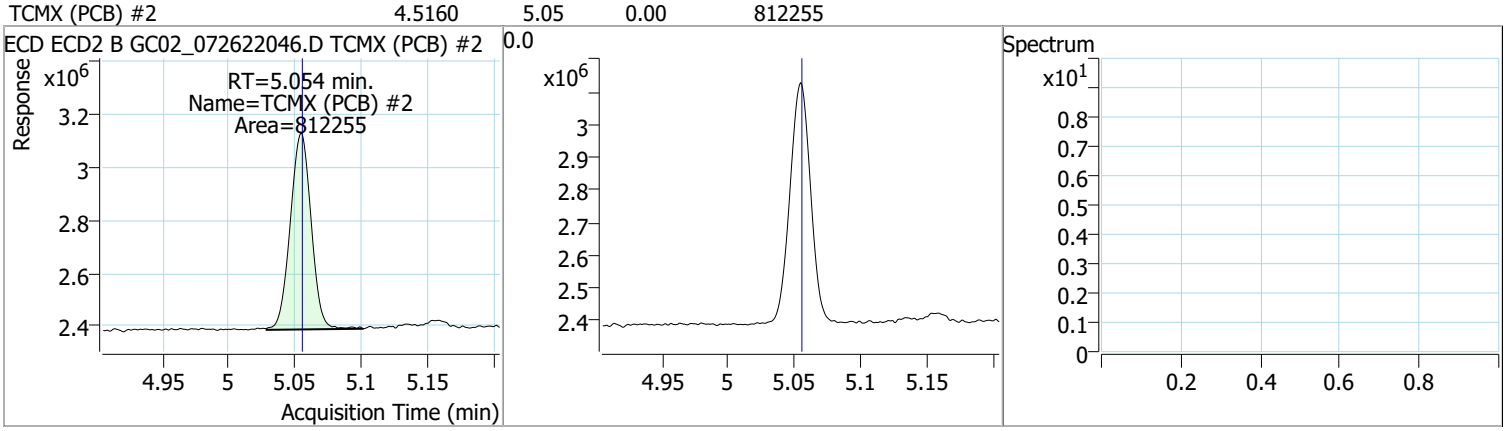
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.397	0.0	10689322.071	113.3233	ng/ml		100
T AR1016 1 #2	5.515	0.0	421956.595	113.7694	ng/ml		100
T AR1016 3	5.832	0.0	15784916.457	106.5521	ng/ml	m	100
T AR1016 2 #2	5.916	0.0	872990.759	114.7734	ng/ml		100
T AR1016 4	5.959	0.0	9035147.274	104.2441	ng/ml		100
T AR1016 5	6.380	0.0	8135877.901	107.1524	ng/ml		100
T AR1016 3 #2	6.414	0.0	1073717.449	113.9329	ng/ml		100
T AR1016 4 #2	6.574	0.0	753957.579	113.0557	ng/ml		100
T AR1016 5 #2	7.388	0.0	607490.837	111.9100	ng/ml	m	100
T AR1260 1	8.082	0.0	16094391.399	105.5012	ng/ml		100
T AR1260 2	8.618	0.0	25052828.053	105.9518	ng/ml		100
T AR1260 3	9.247	0.0	27584067.970	98.9527	ng/ml		100
T AR1260 1 #2	9.669	0.0	1311035.407	117.4261	ng/ml		100
T AR1260 4	9.930	0.0	13293552.888	105.3526	ng/ml		100
T AR1260 2 #2	10.029	0.0	1441761.251	118.0144	ng/ml		100
T AR1260 3 #2	10.562	0.0	1864255.065	115.3921	ng/ml		100
T AR1260 5	10.778	0.0	18246042.263	99.4216	ng/ml		100
T AR1260 4 #2	11.051	0.0	1013607.996	112.4084	ng/ml		100
T AR1260 5 #2	11.721	0.0	1487957.881	114.9802	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

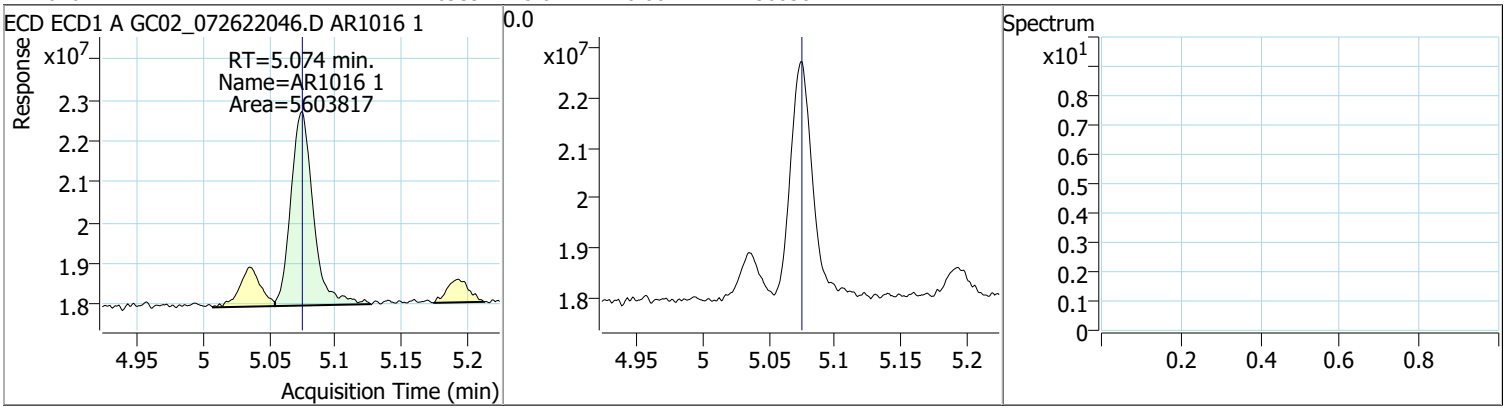
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	4.2213	4.74	0.00	12250219				



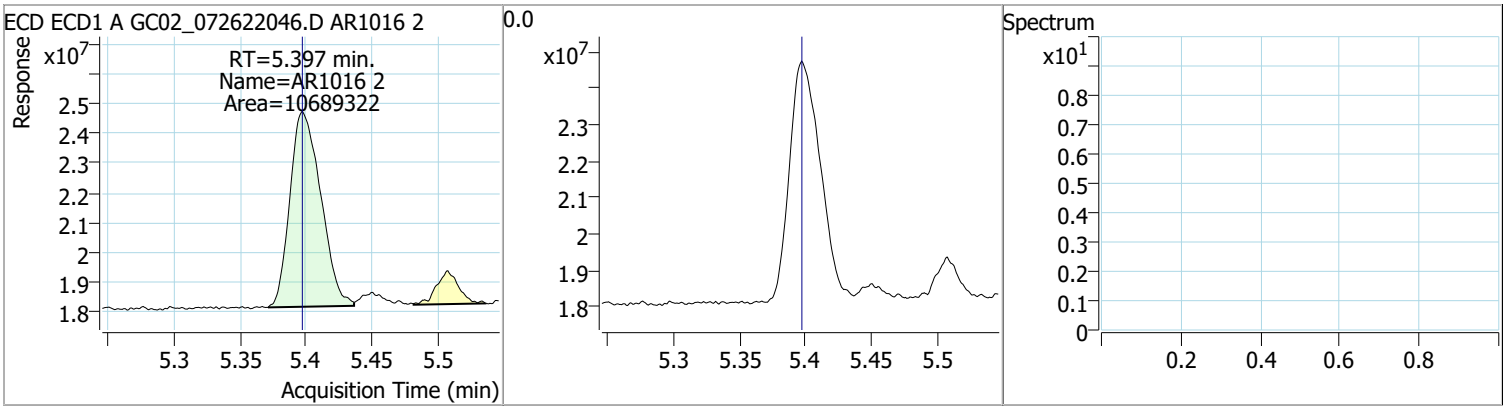
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.5160	5.05	0.00	812255				



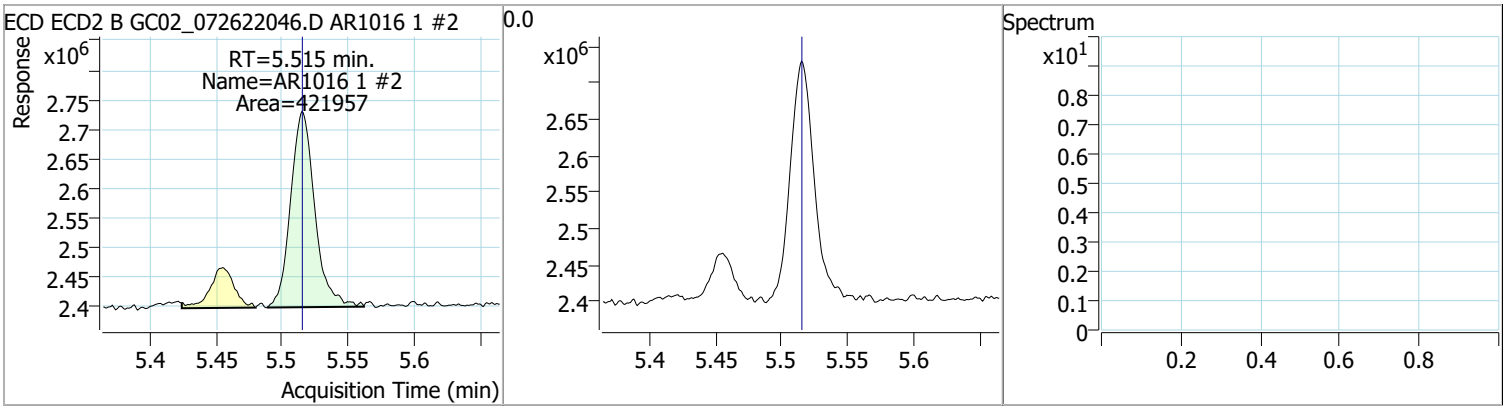
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	114.6939	5.07	0.00	5603817				



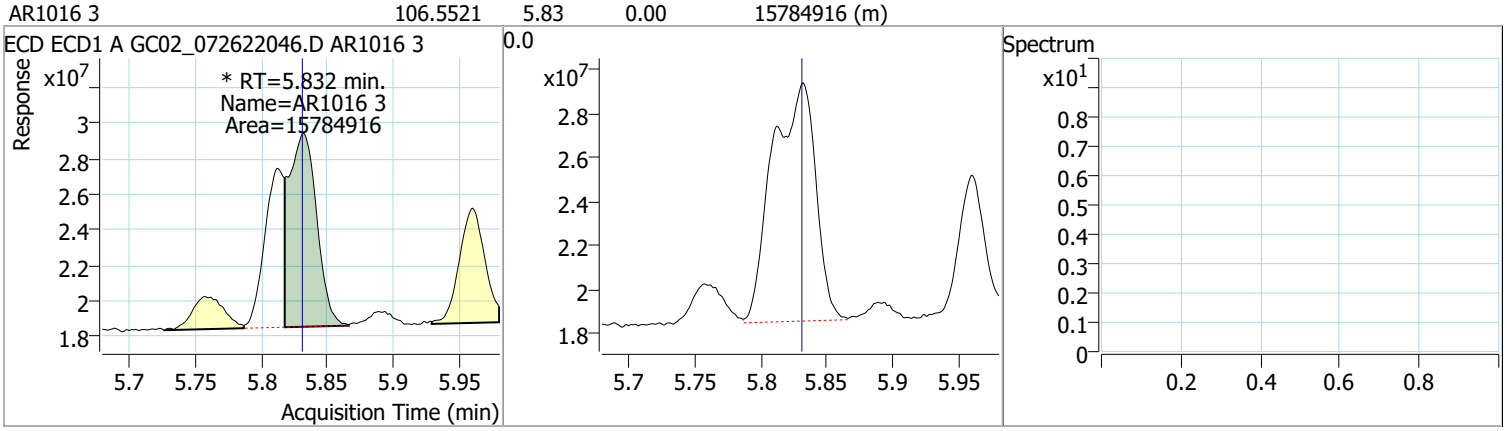
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	113.3233	5.40	0.00	10689322				



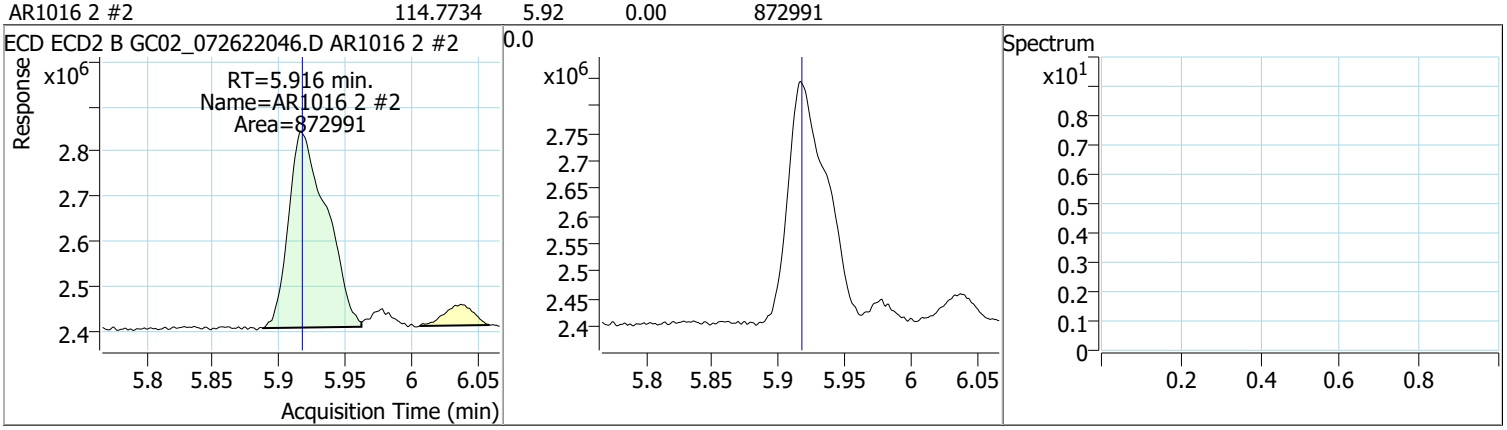
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	113.7694	5.52	0.00	421957				



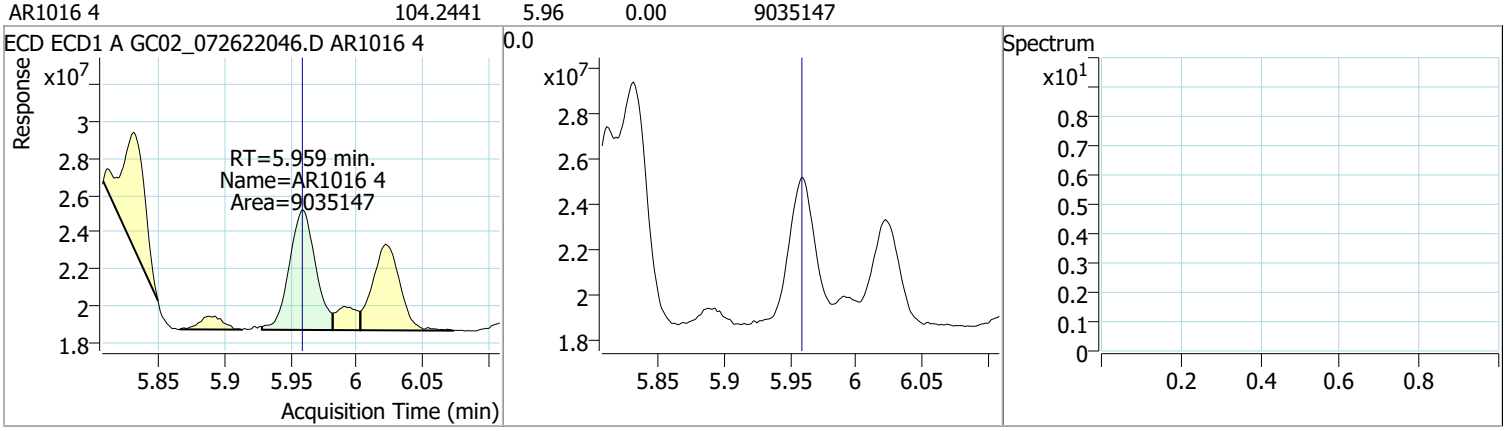
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	106.5521	5.83	0.00	15784916 (m)				



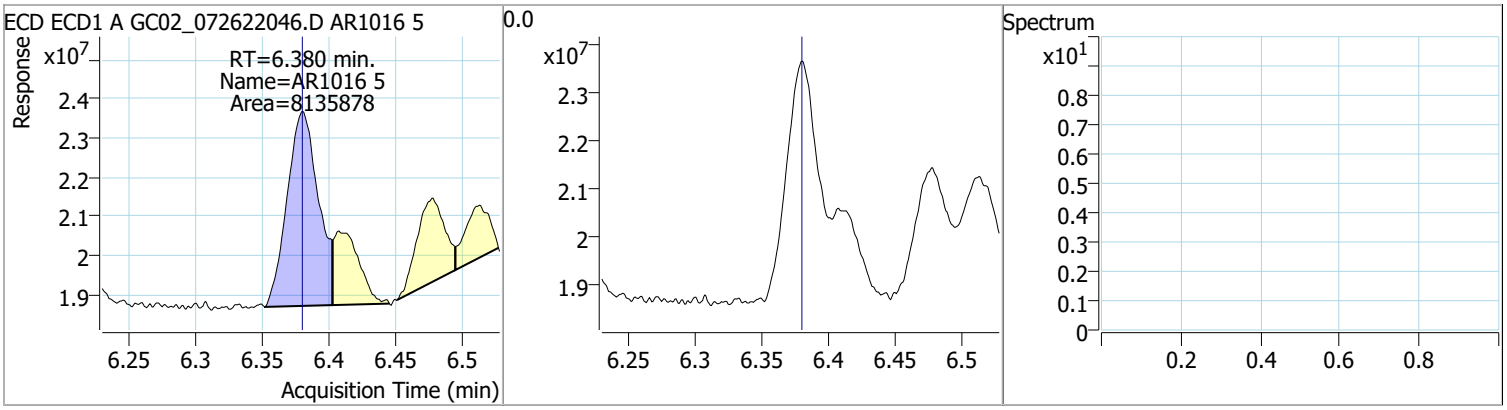
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	114.7734	5.92	0.00	872991				



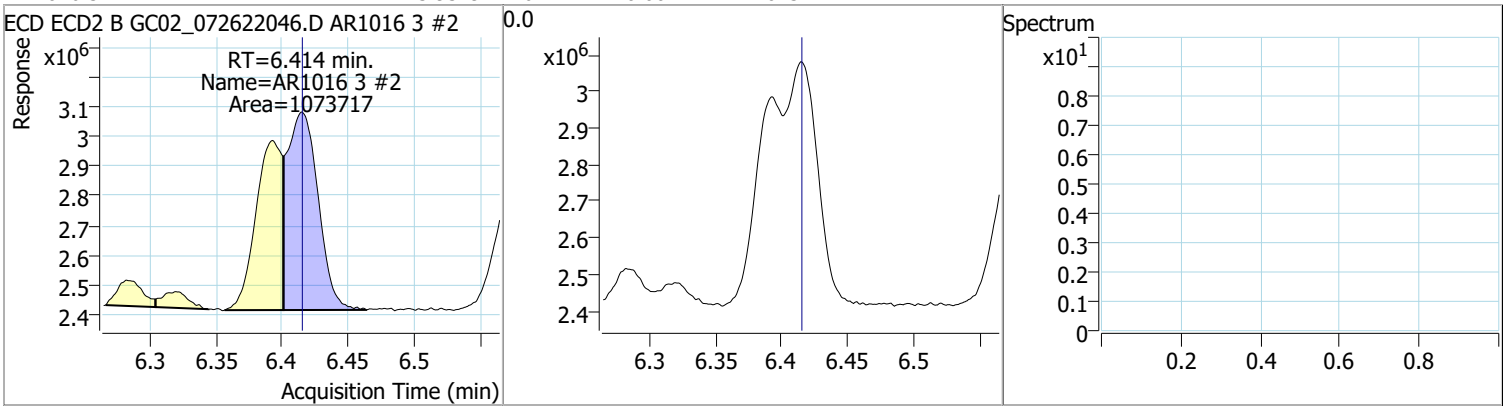
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	104.2441	5.96	0.00	9035147				



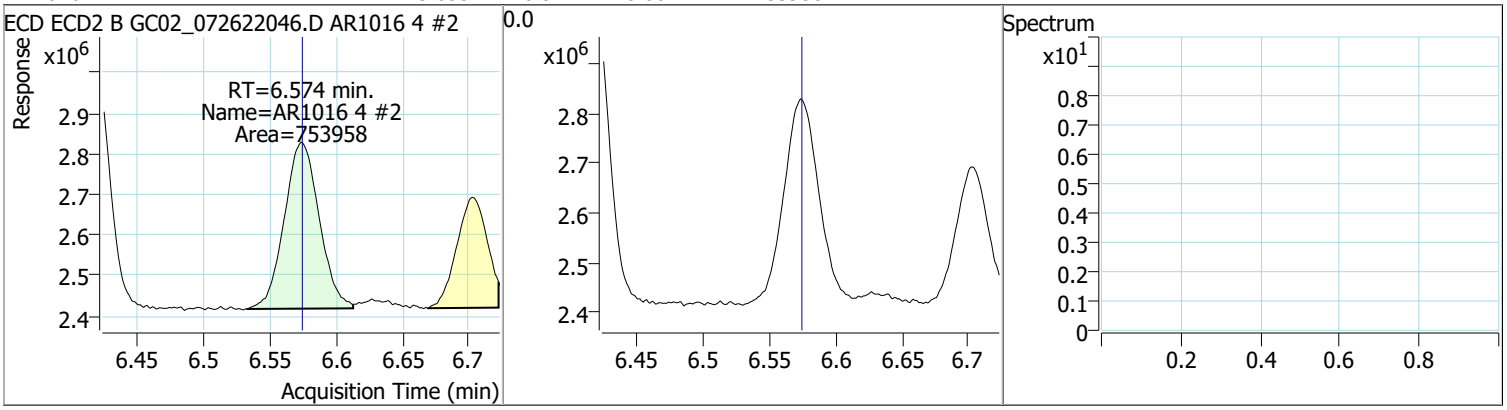
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	107.1524	6.38	0.00	8135878				



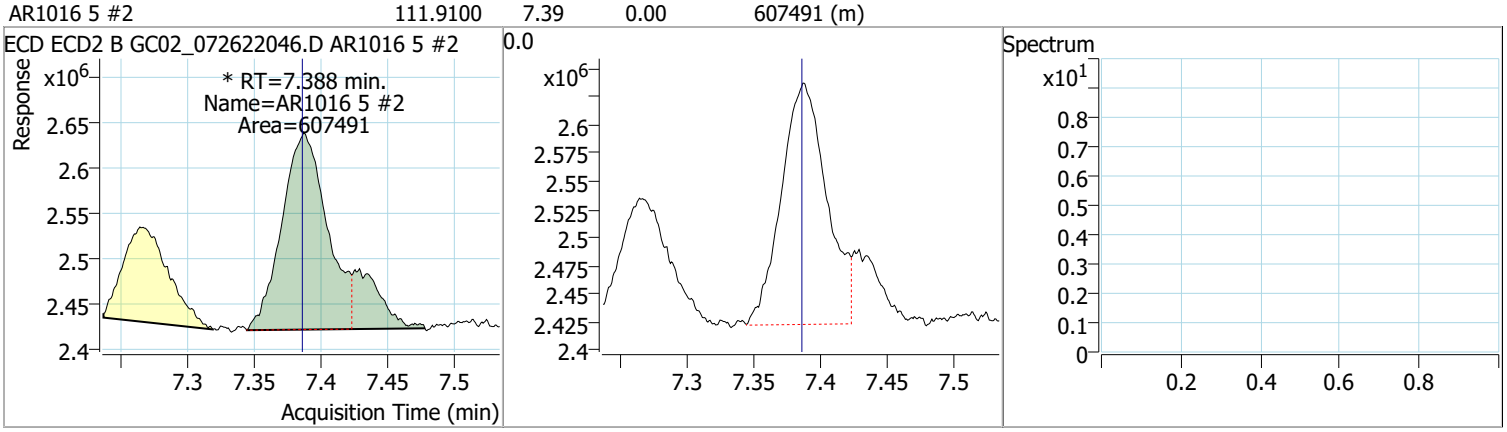
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	113.9329	6.41	0.00	1073717				



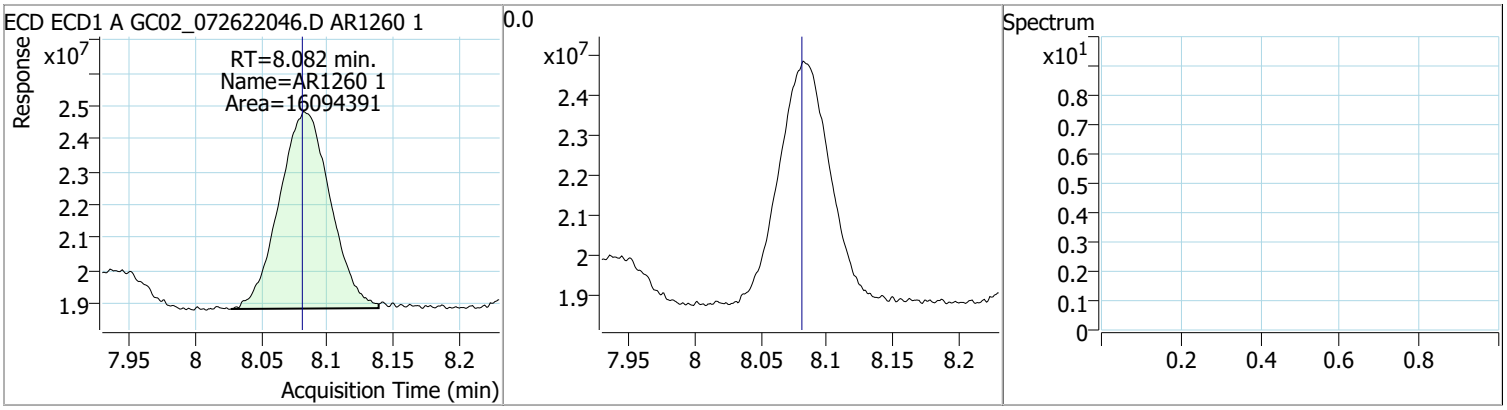
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	113.0557	6.57	0.00	753958				



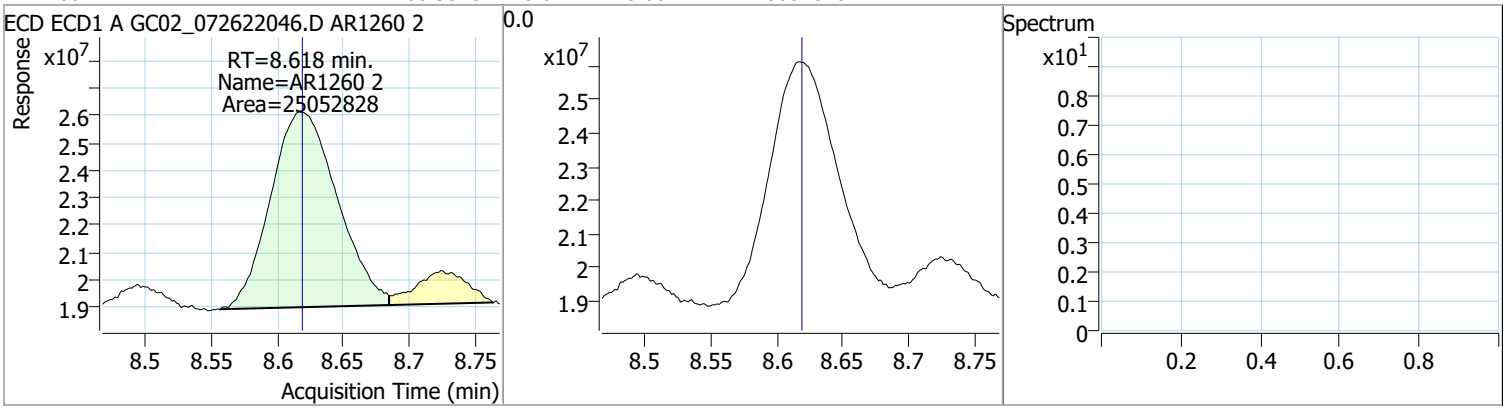
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	111.9100	7.39	0.00	607491 (m)				



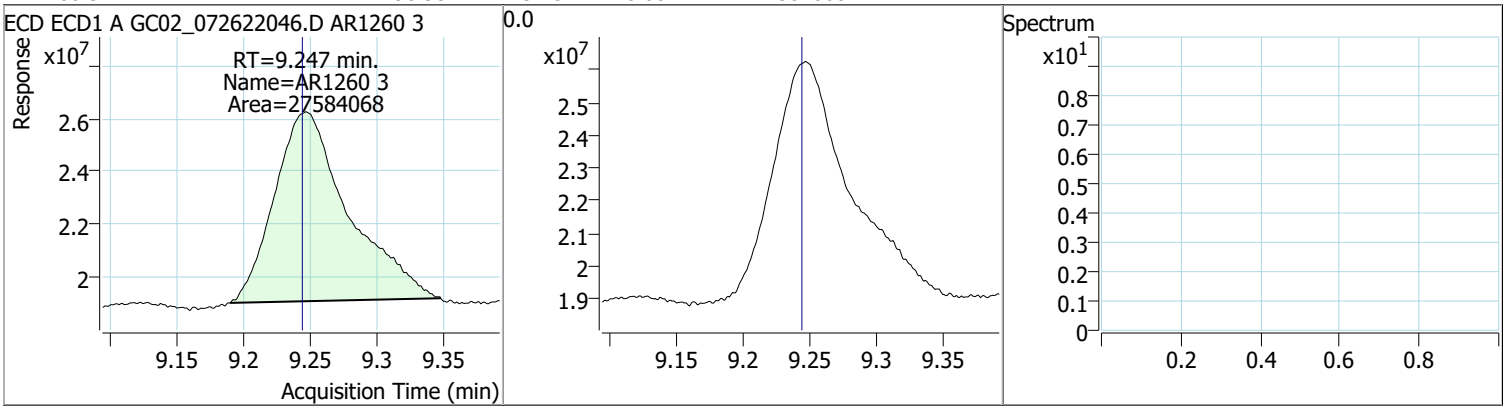
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	105.5012	8.08	0.00	16094391				



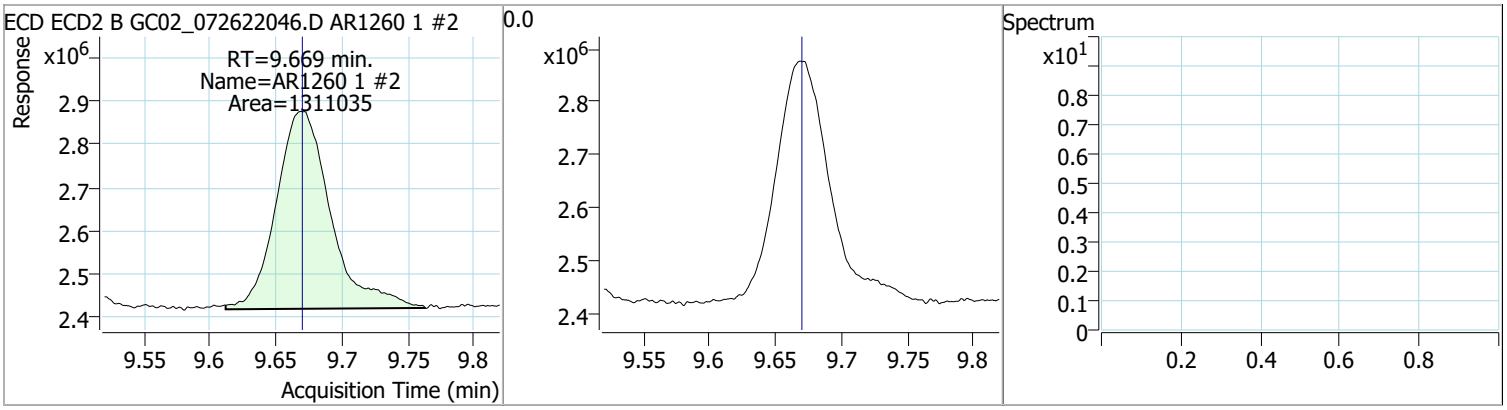
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	105.9518	8.62	0.00	25052828				



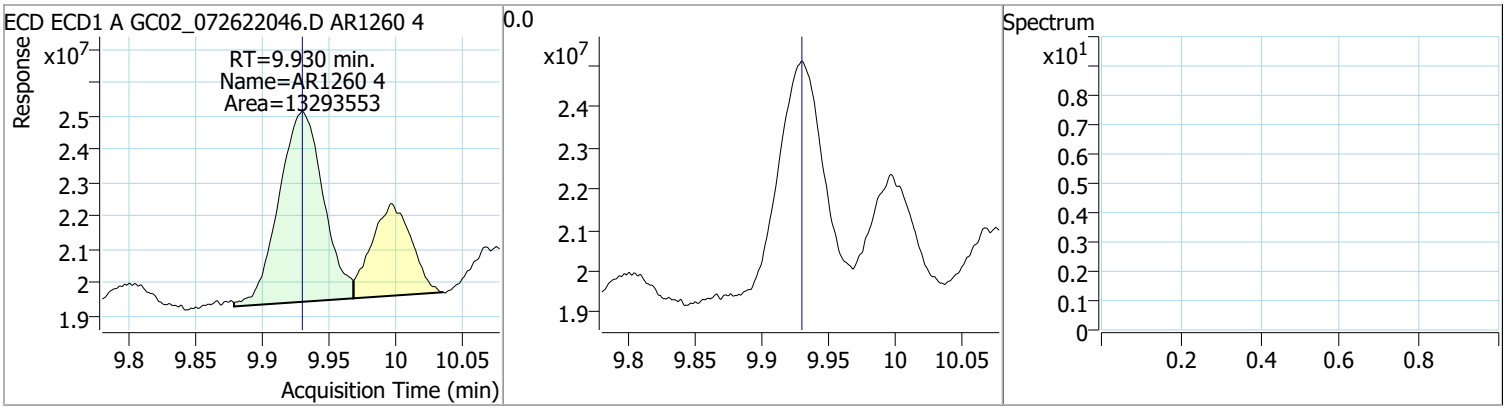
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	98.9527	9.25	0.00	27584068				



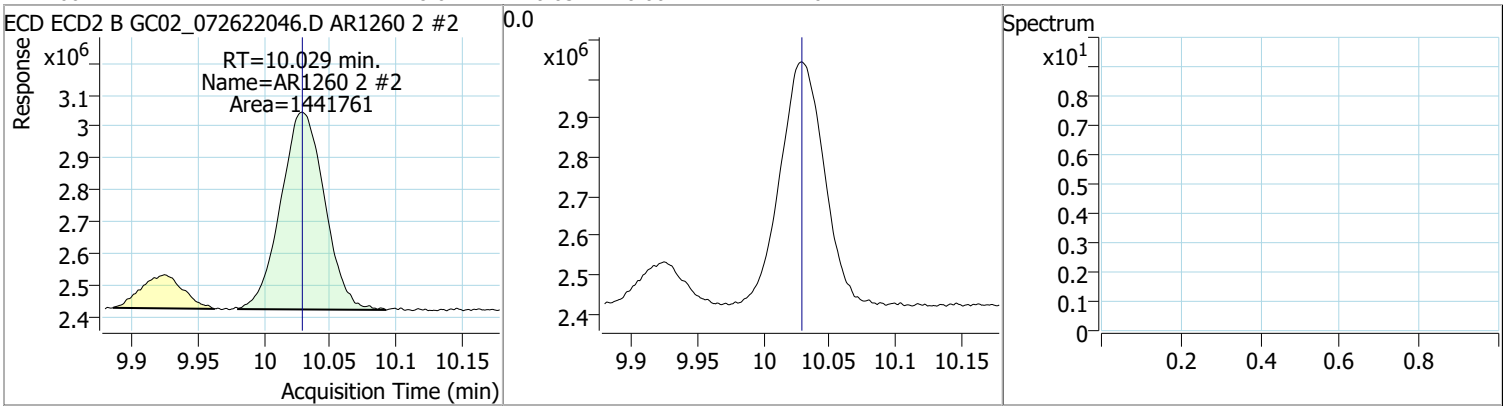
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	117.4261	9.67	0.00	1311035				



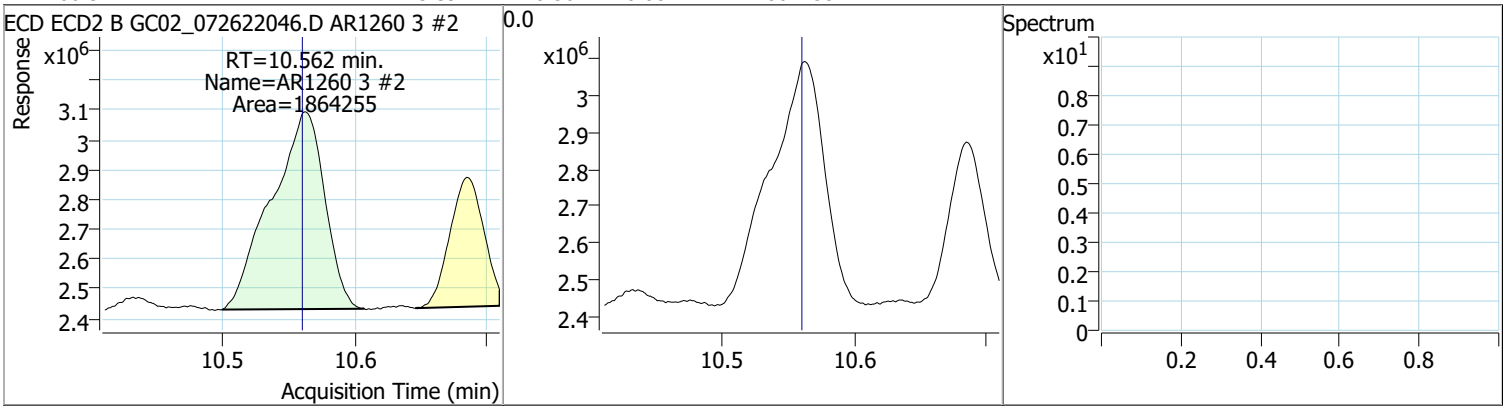
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	105.3526	9.93	0.00	13293553				



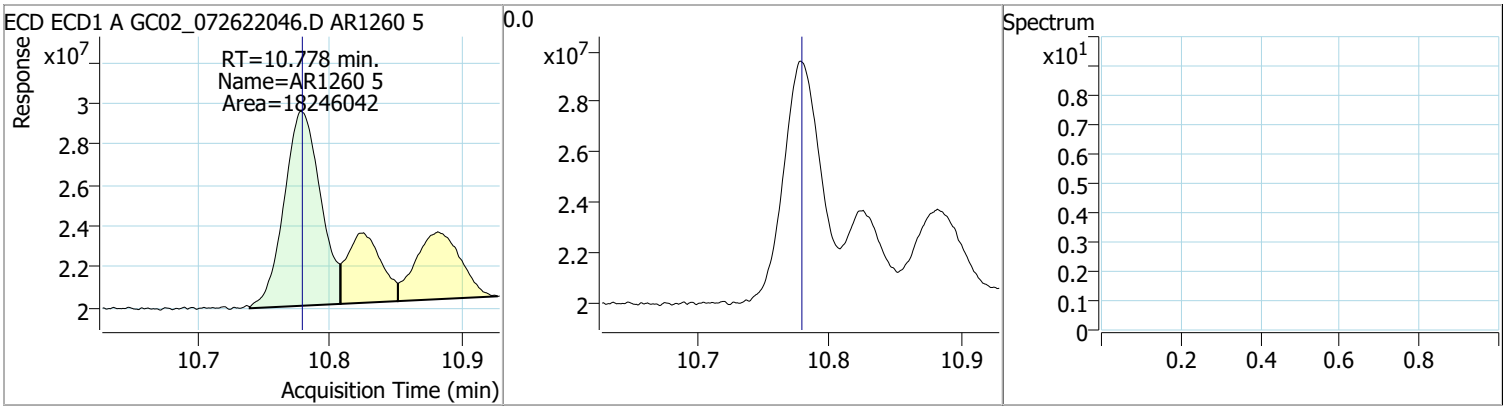
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	118.0144	10.03	0.00	1441761				



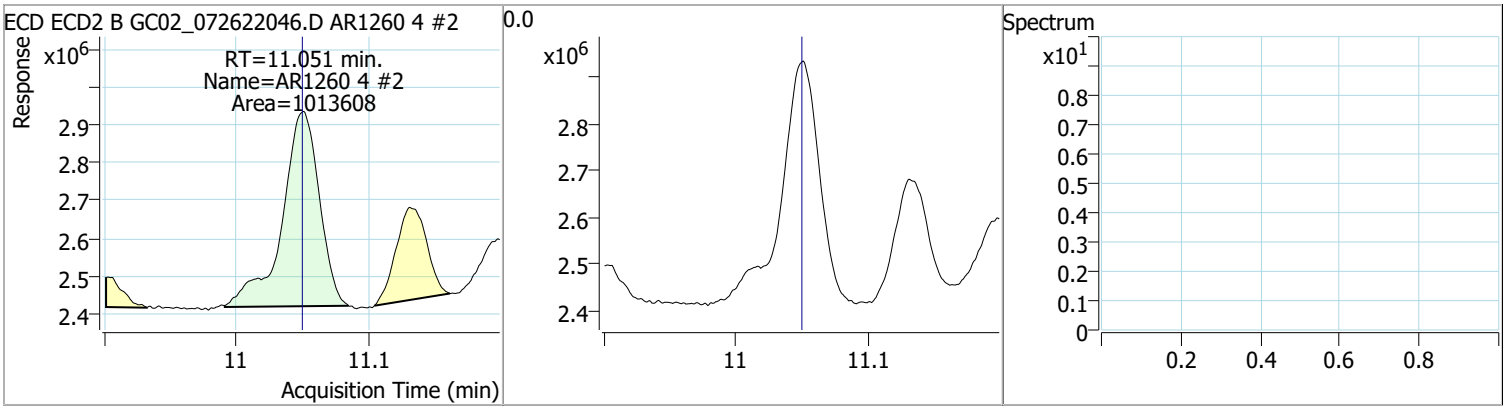
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	115.3921	10.56	0.00	1864255				



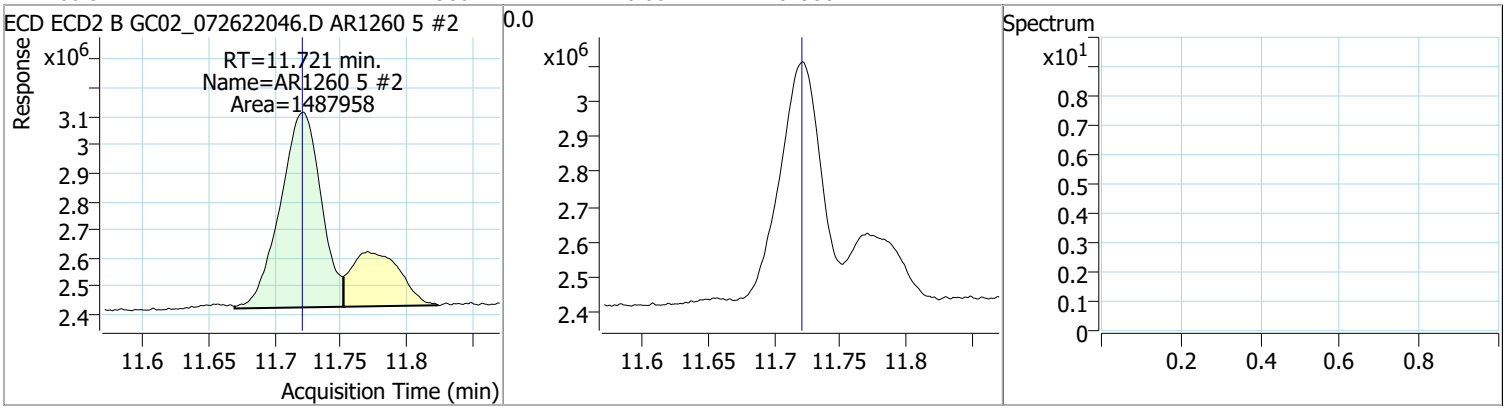
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	99.4216	10.78	0.00	18246042				



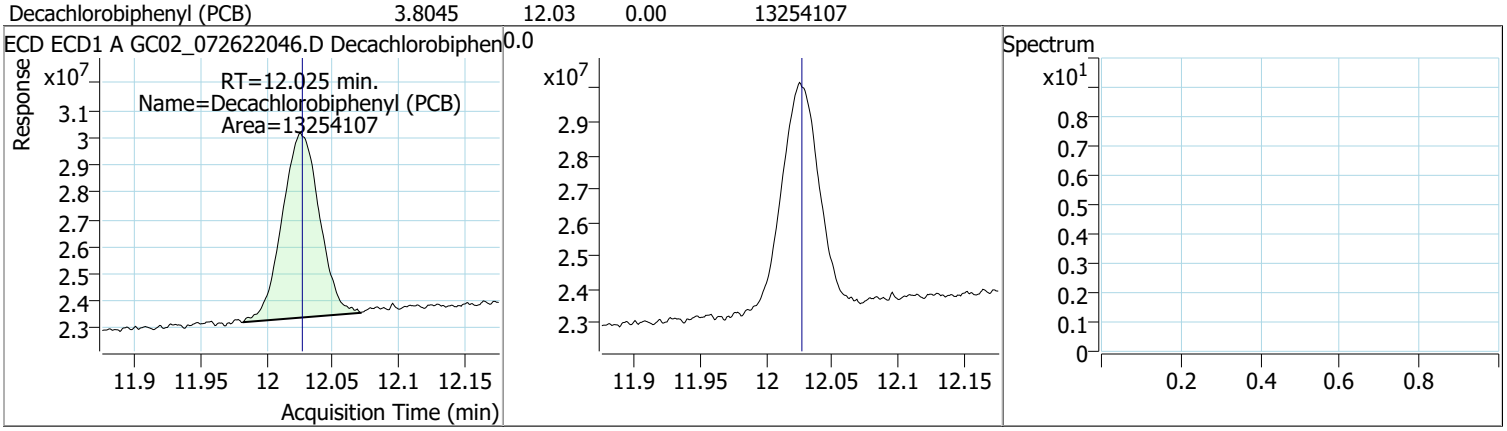
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	112.4084	11.05	0.00	1013608				



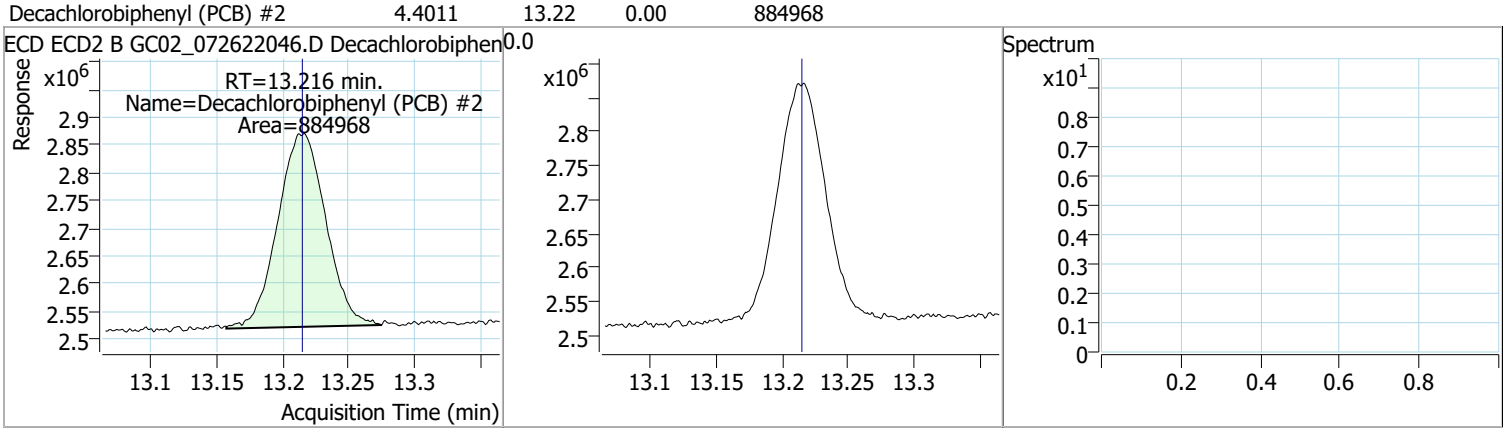
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	114.9802	11.72	0.00	1487958				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	3.8045	12.03	0.00	13254107				

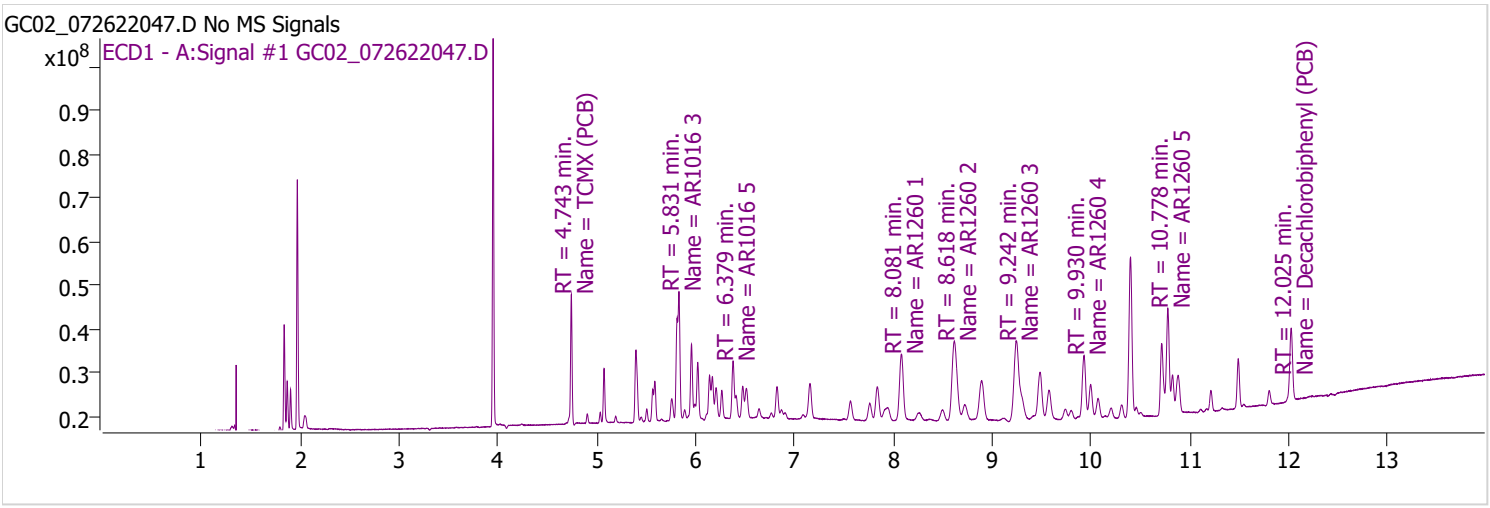


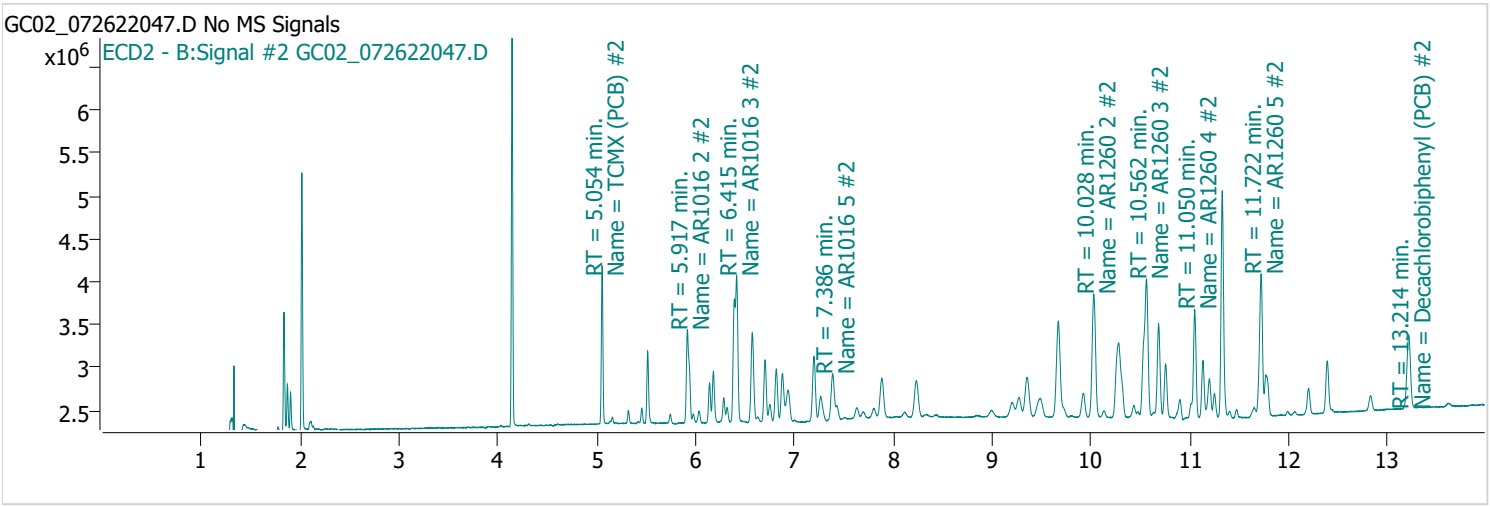
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	4.4011	13.22	0.00	884968				



Quantitation Results Report (Not Reviewed)

Data File	GC02_072622047.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	7/27/2022 8:56:41 AM
Sample Name	ICAL, S17023, 8, S17010, 250	Instrument	SVOA-GC02
Vial	84	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_1.m	Comment	250PPB PCB ICAL 4
Tune File	ATUNE.U	Tune Date	
Batch Name	072622PCBICAL.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



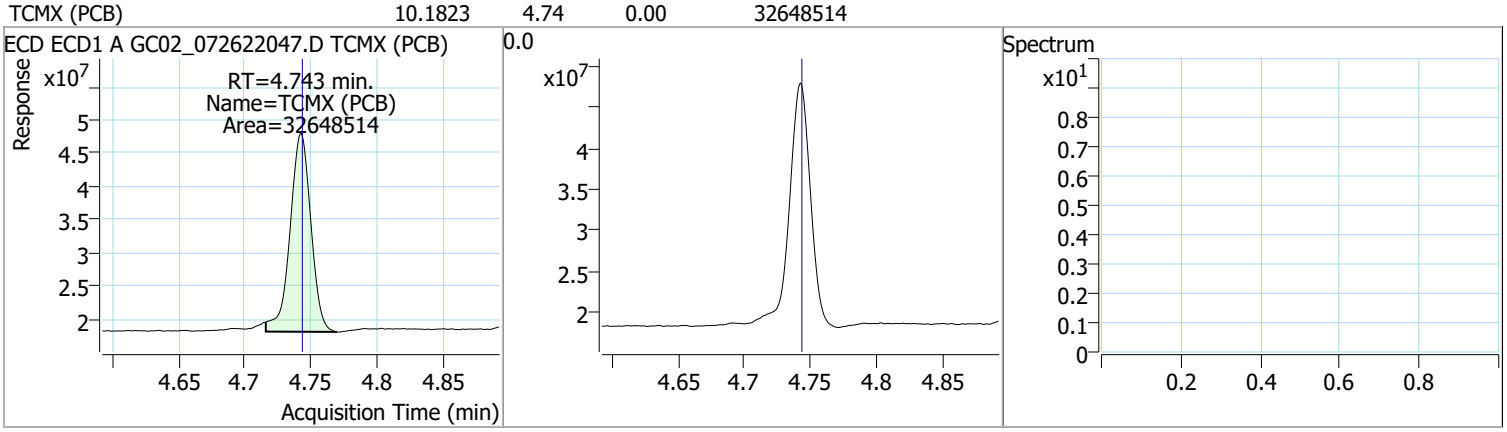


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.952	0.0	82239020.674	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.143	0.0	4299920.701	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.743	0.0	32648514.245	10.1823	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 50.91%			
S TCMX (PCB) #2	5.054	0.0	2011481.368	10.2378	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 51.19%			
S Decachlorobiphenyl (PCB)	12.025	0.0	34750789.131	9.0280	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 45.14%		*	
S Decachlorobiphenyl (PCB) #2	13.214	0.0	2173941.199	9.8972	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 49.49%		*	
Target Compounds							QValue

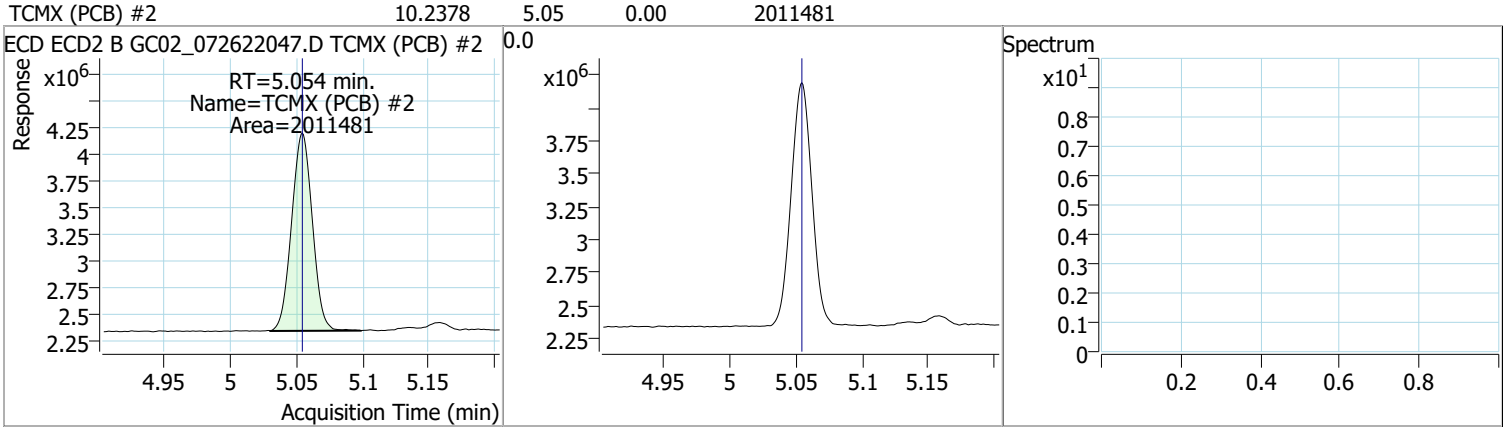
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.073	0.0	14721749.635	272.7051	ng/ml		100
T AR1016 2	5.397	0.0	27443681.645	263.3230	ng/ml		100
T AR1016 1 #2	5.515	0.0	1085877.627	268.0225	ng/ml		100
T AR1016 3	5.831	0.0	41381315.117	252.8143	ng/ml	m	100
T AR1016 2 #2	5.917	0.0	2268110.985	272.9785	ng/ml		100
T AR1016 4	5.958	0.0	24541186.783	256.2648	ng/ml		100
T AR1016 5	6.379	0.0	21217735.600	252.9147	ng/ml		100
T AR1016 3 #2	6.415	0.0	2853721.129	277.2065	ng/ml	m	100
T AR1016 4 #2	6.573	0.0	2004218.044	275.1207	ng/ml		100
T AR1016 5 #2	7.386	0.0	1518526.477	256.0851	ng/ml	m	100
T AR1260 1	8.081	0.0	42048072.321	249.4632	ng/ml		100
T AR1260 2	8.618	0.0	63695305.719	243.8016	ng/ml		100
T AR1260 3	9.242	0.0	72241686.302	234.5495	ng/ml		100
T AR1260 1 #2	9.668	0.0	3176577.217	260.4608	ng/ml		100
T AR1260 4	9.930	0.0	32943423.387	236.2926	ng/ml		100
T AR1260 2 #2	10.028	0.0	3460654.878	259.3181	ng/ml		100
T AR1260 3 #2	10.562	0.0	4548967.470	257.7604	ng/ml		100
T AR1260 5	10.778	0.0	49286412.934	243.0617	ng/ml		100
T AR1260 4 #2	11.050	0.0	2459103.958	249.6539	ng/ml		100
T AR1260 5 #2	11.722	0.0	3633726.562	257.0498	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

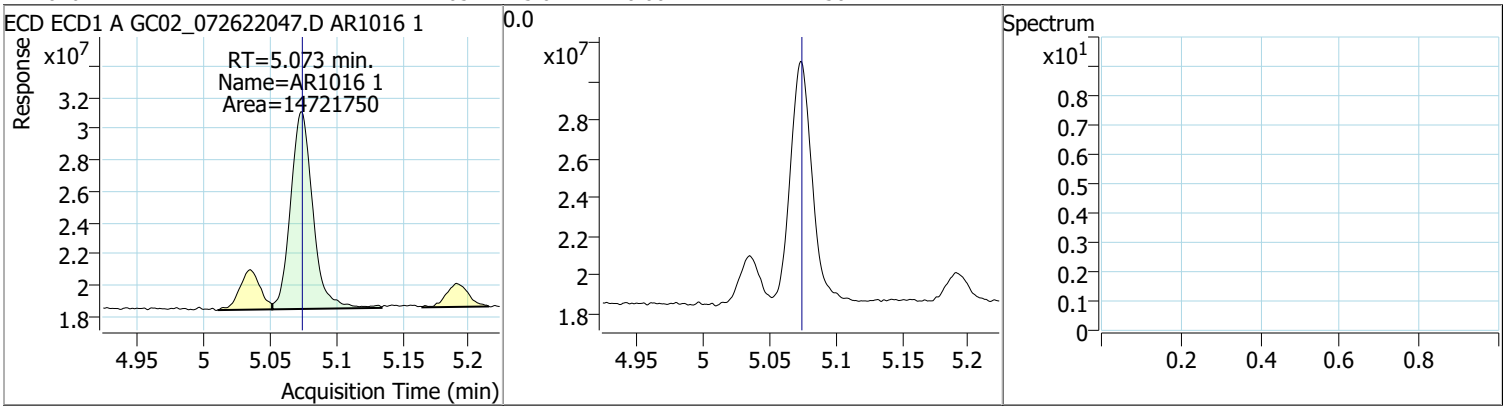
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	10.1823	4.74	0.00	32648514				



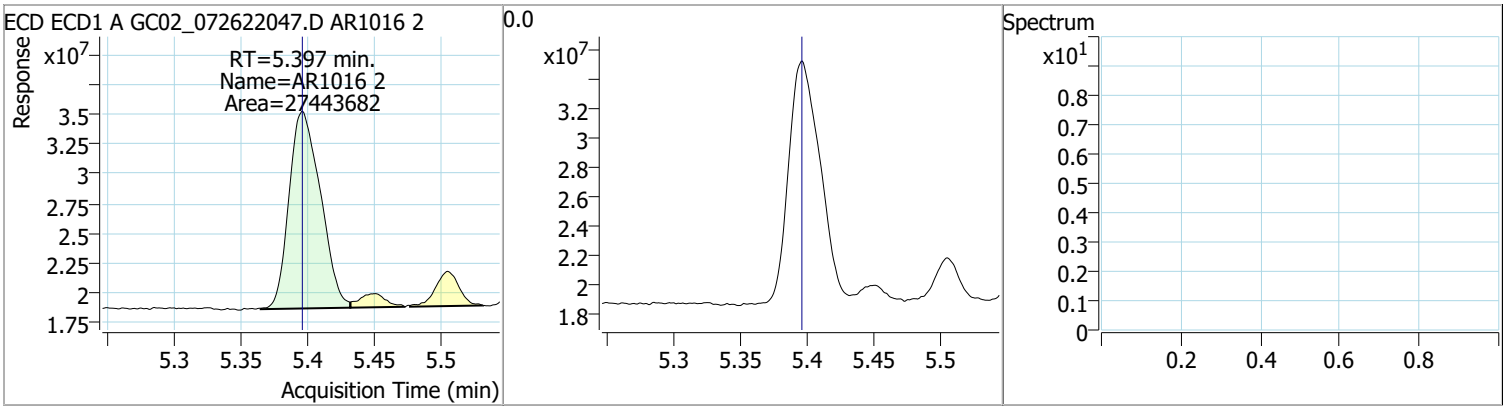
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	10.2378	5.05	0.00	2011481				



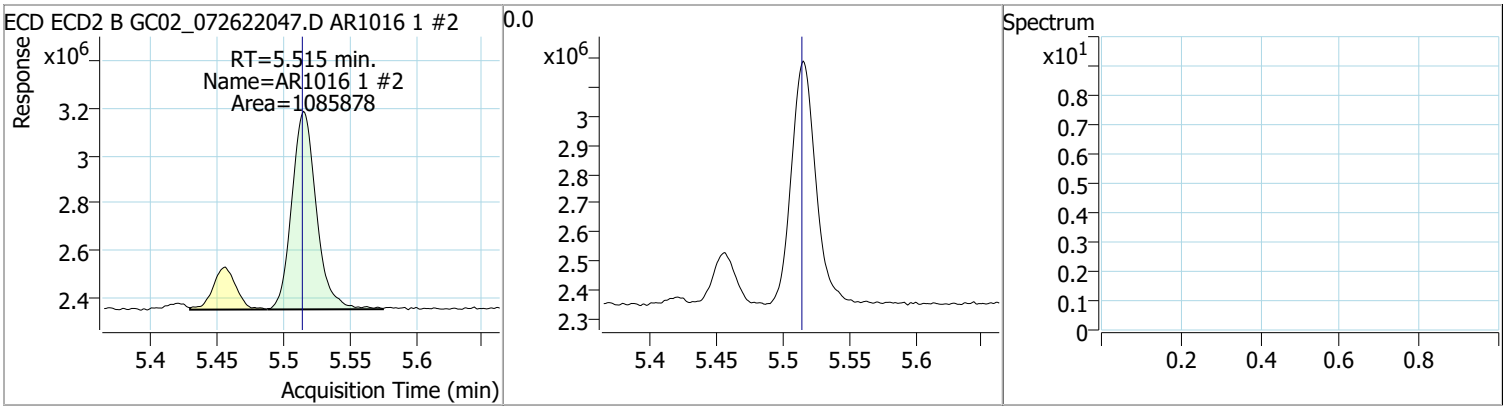
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	272.7051	5.07	0.00	14721750				



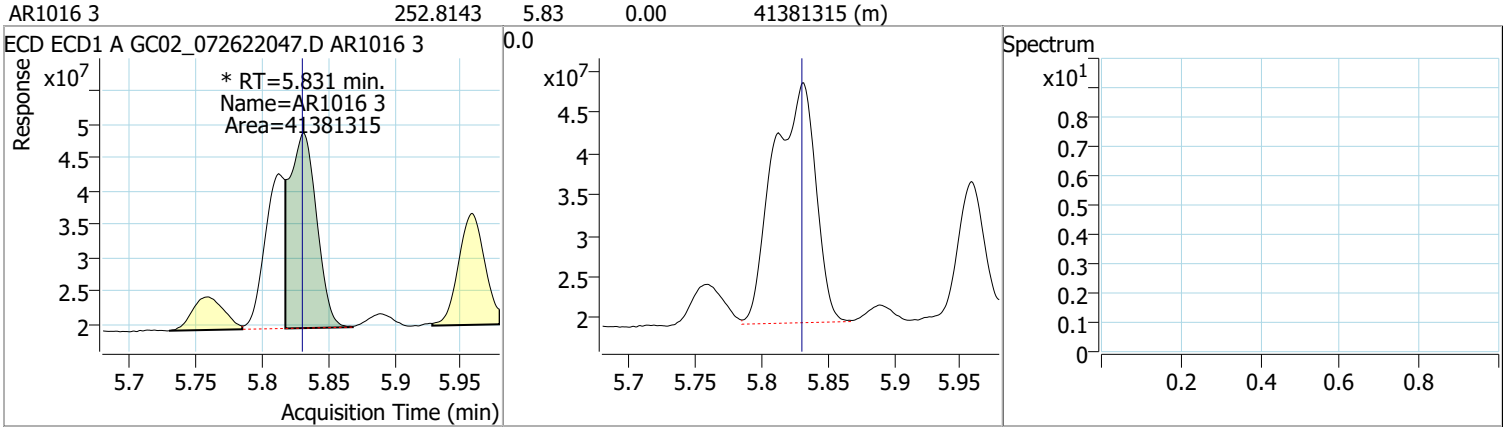
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	263.3230	5.40	0.00	27443682				



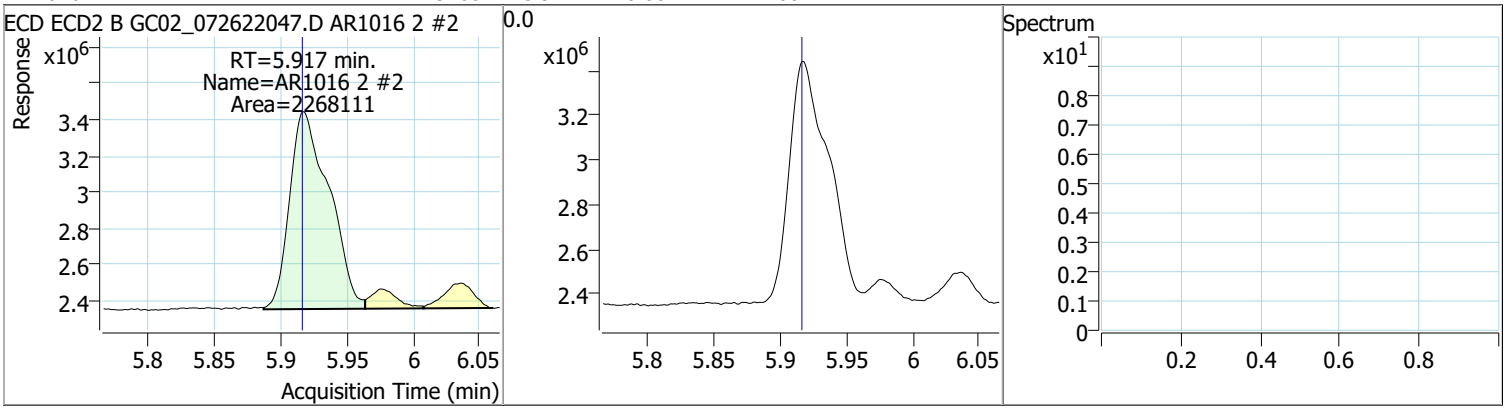
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	268.0225	5.52	0.00	1085878				



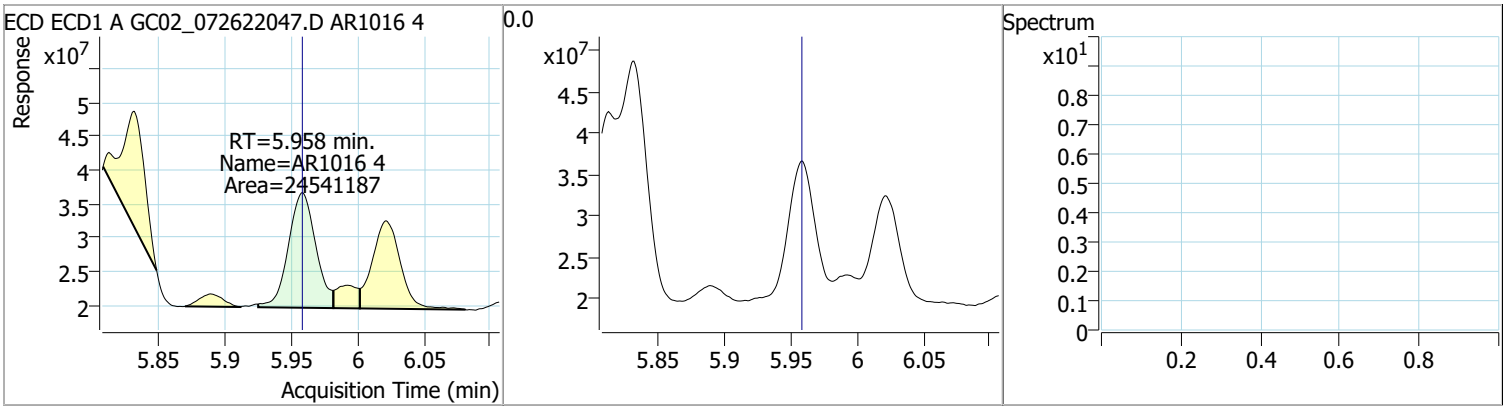
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	252.8143	5.83	0.00	41381315 (m)				



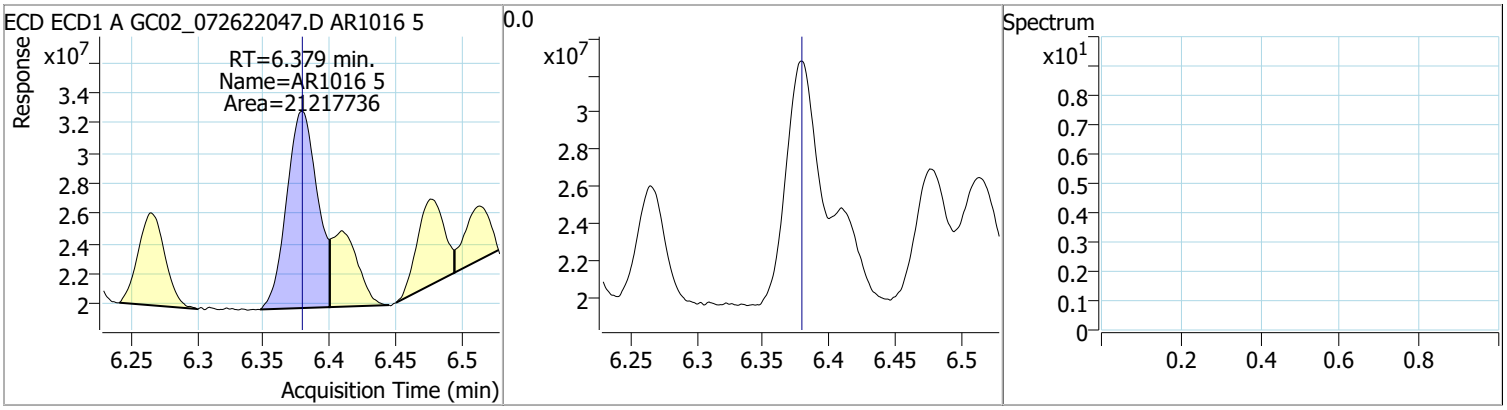
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	272.9785	5.92	0.00	2268111				



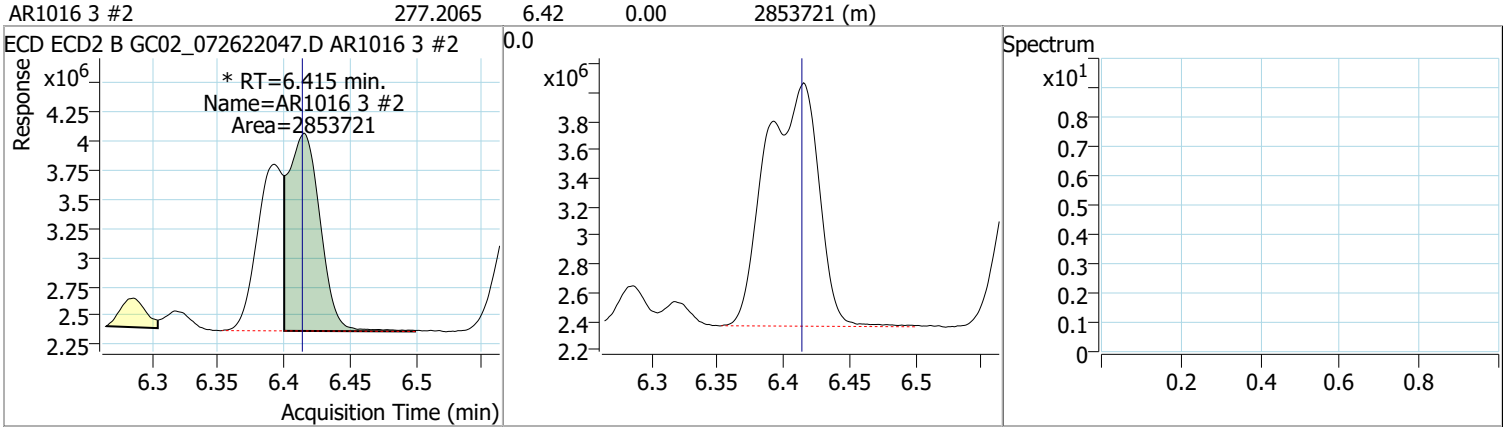
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	256.2648	5.96	0.00	24541187				



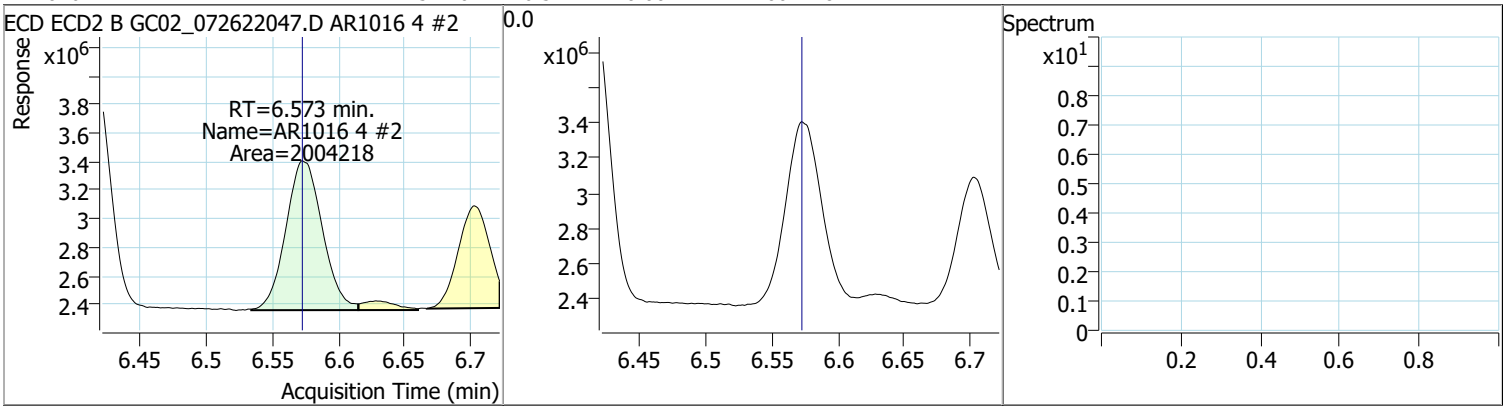
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	252.9147	6.38	0.00	21217736				



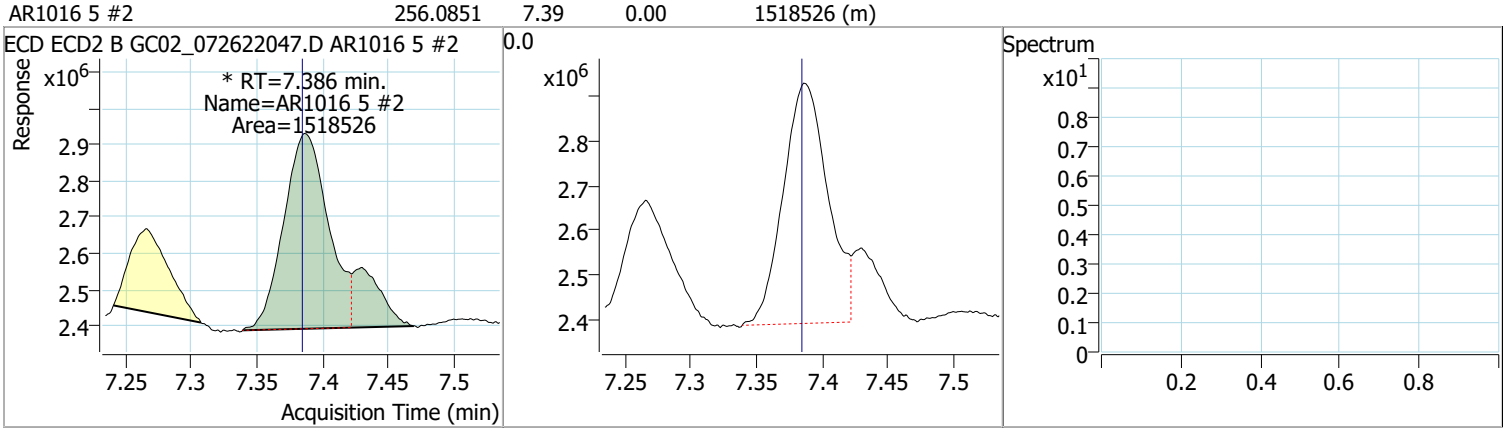
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	277.2065	6.42	0.00	2853721 (m)				



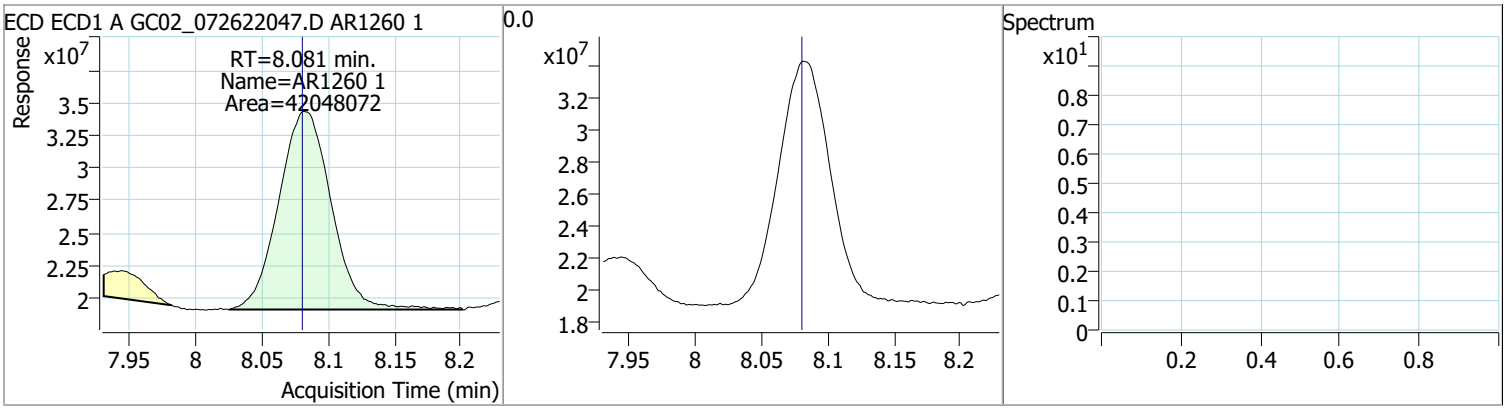
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	275.1207	6.57	0.00	2004218				



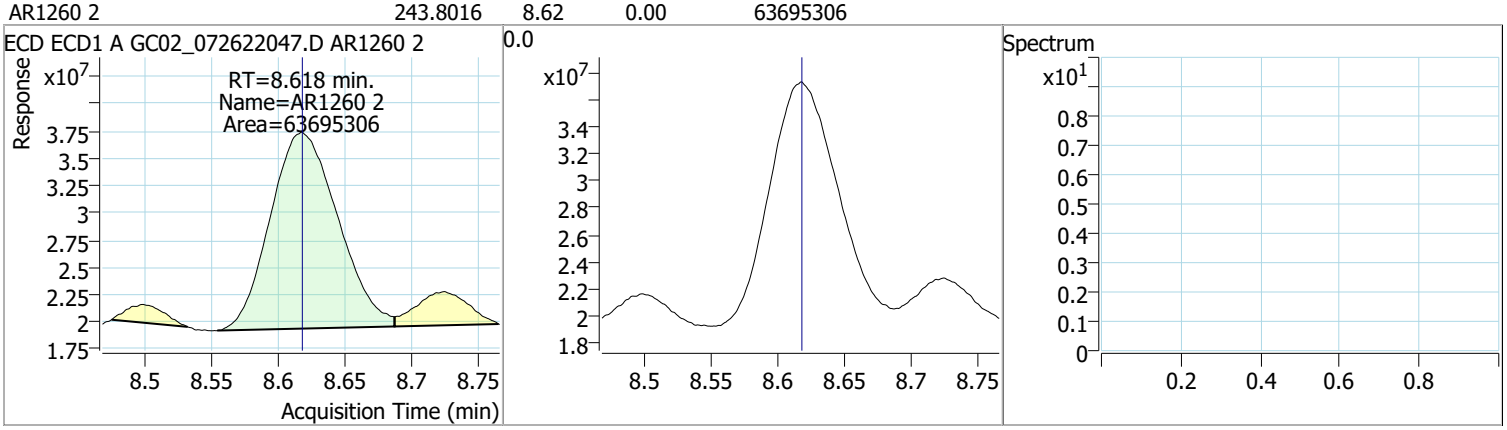
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	256.0851	7.39	0.00	1518526 (m)				



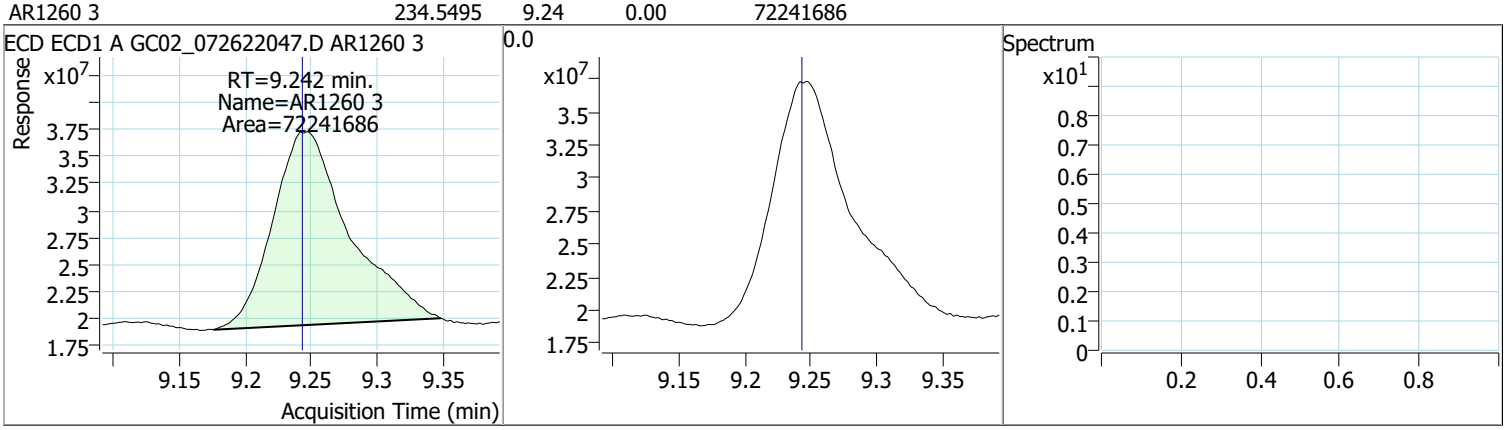
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	249.4632	8.08	0.00	42048072				



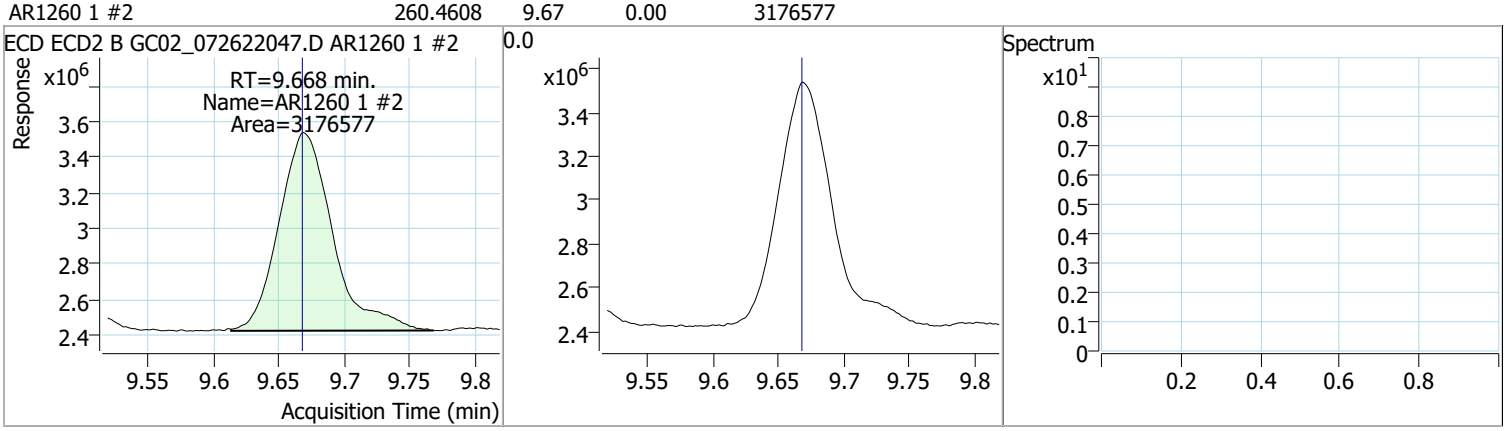
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	243.8016	8.62	0.00	63695306				



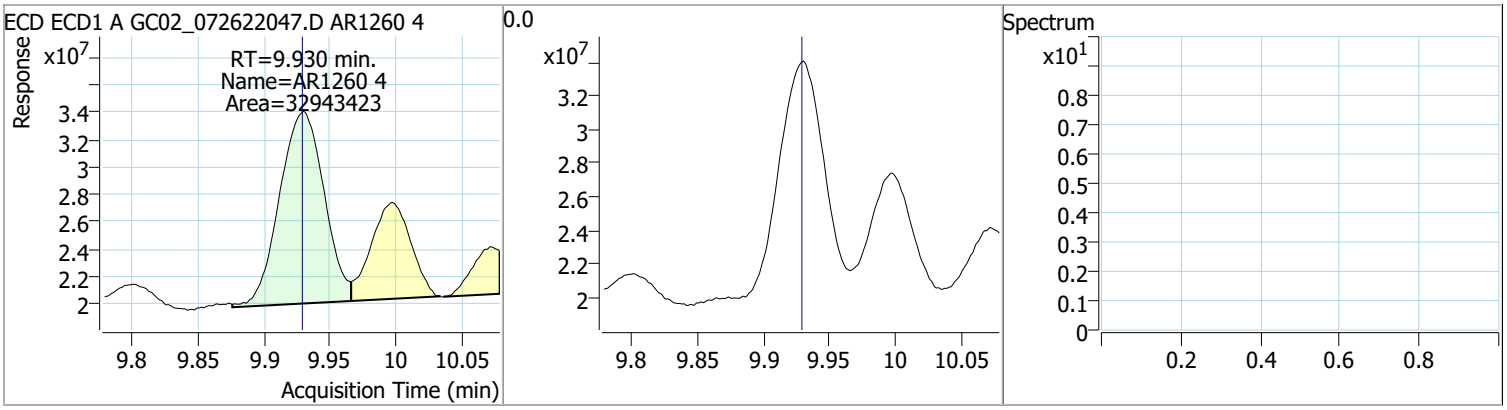
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	234.5495	9.24	0.00	72241686				



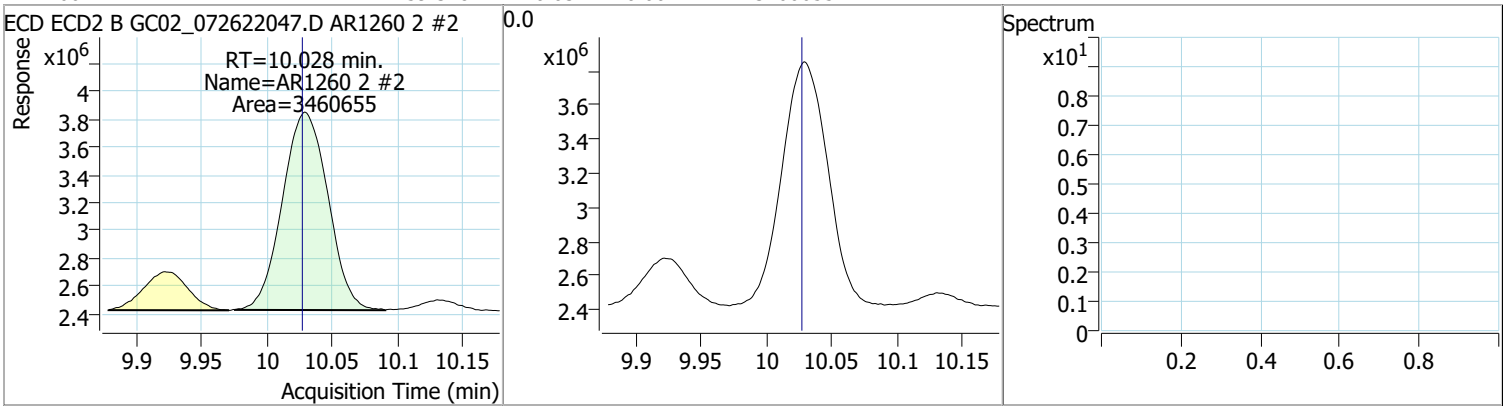
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	260.4608	9.67	0.00	3176577				



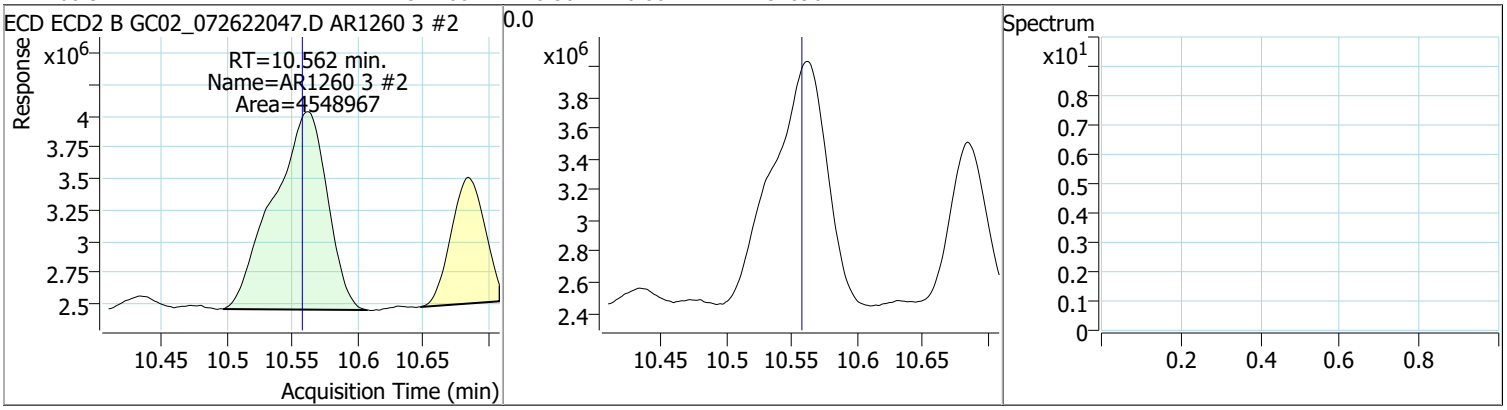
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	236.2926	9.93	0.00	32943423				



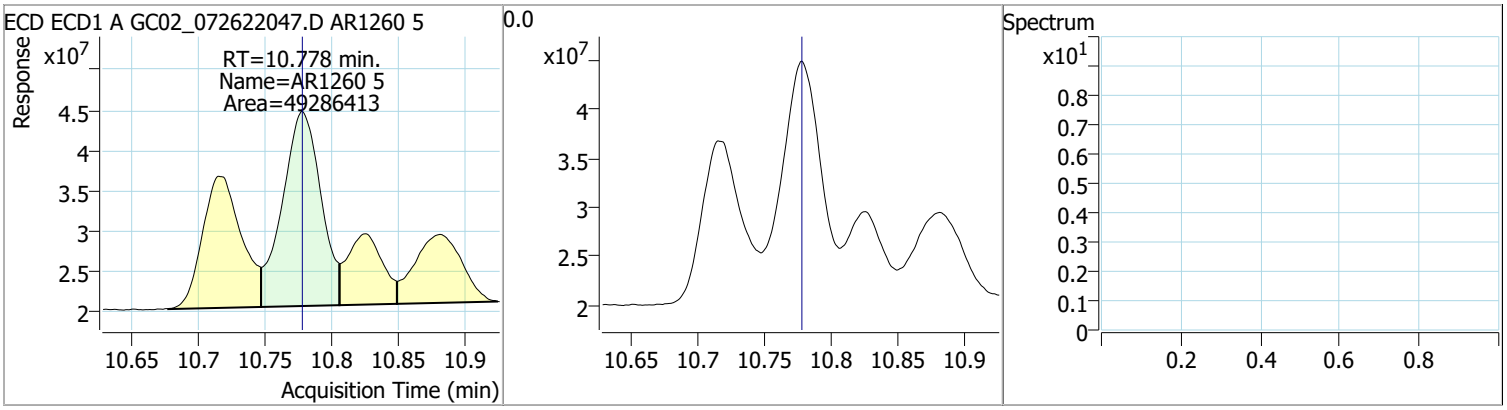
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	259.3181	10.03	0.00	3460655				



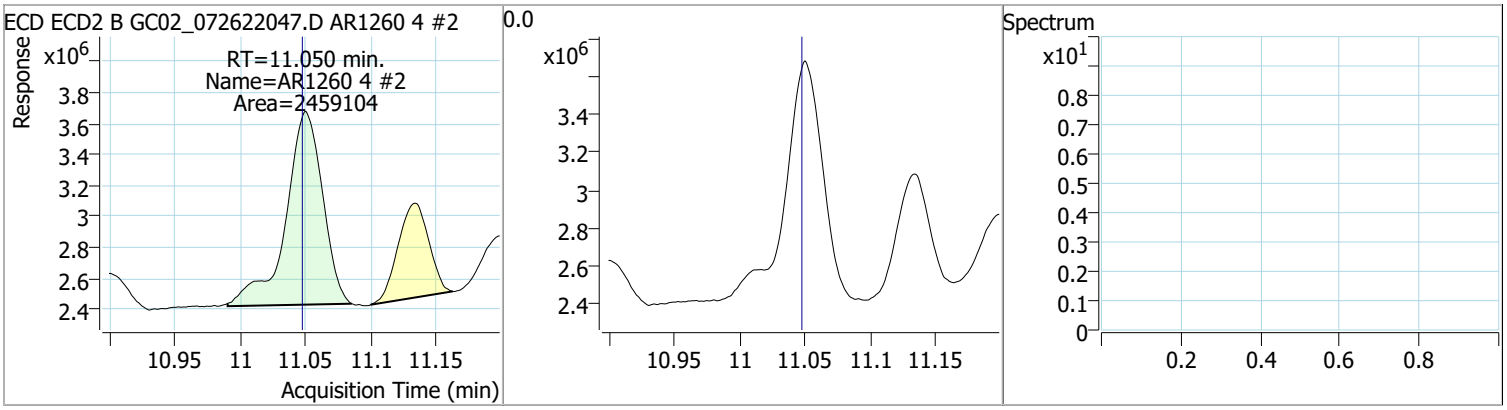
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	257.7604	10.56	0.00	4548967				



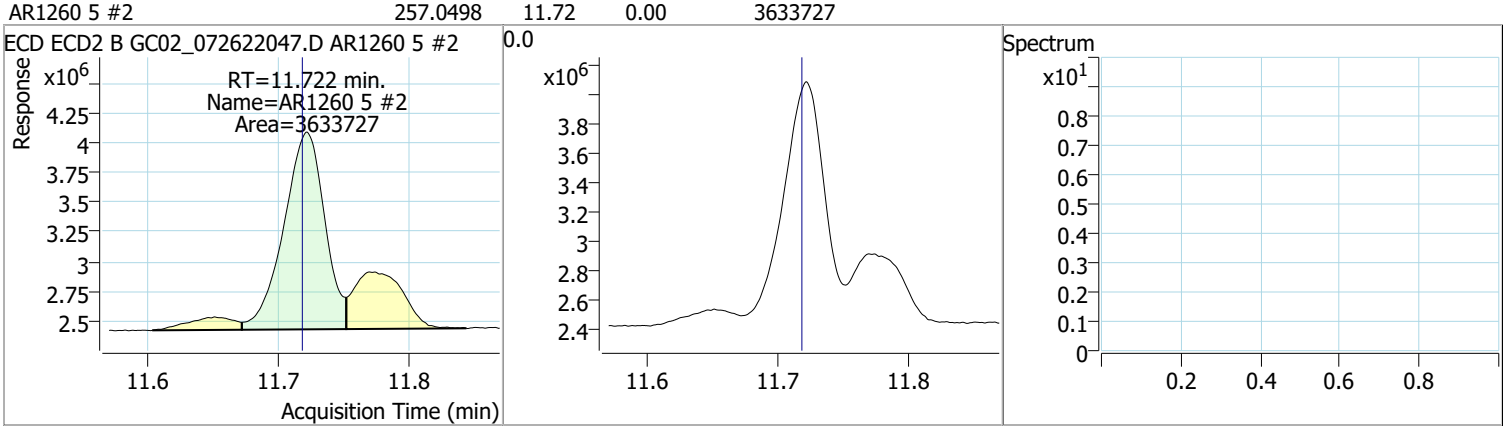
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	243.0617	10.78	0.00	49286413				



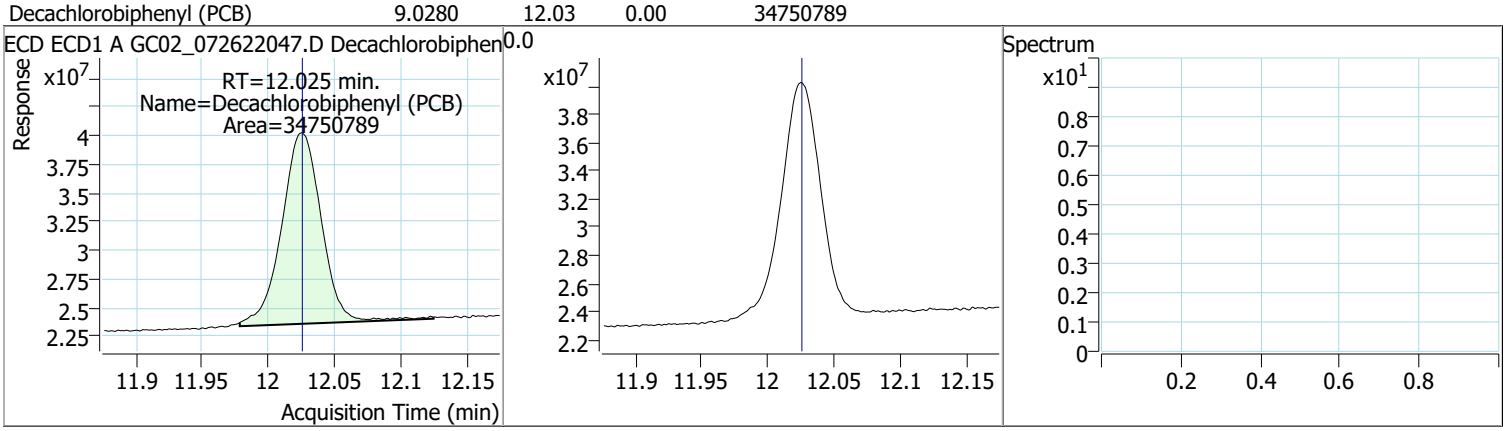
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	249.6539	11.05	0.00	2459104				



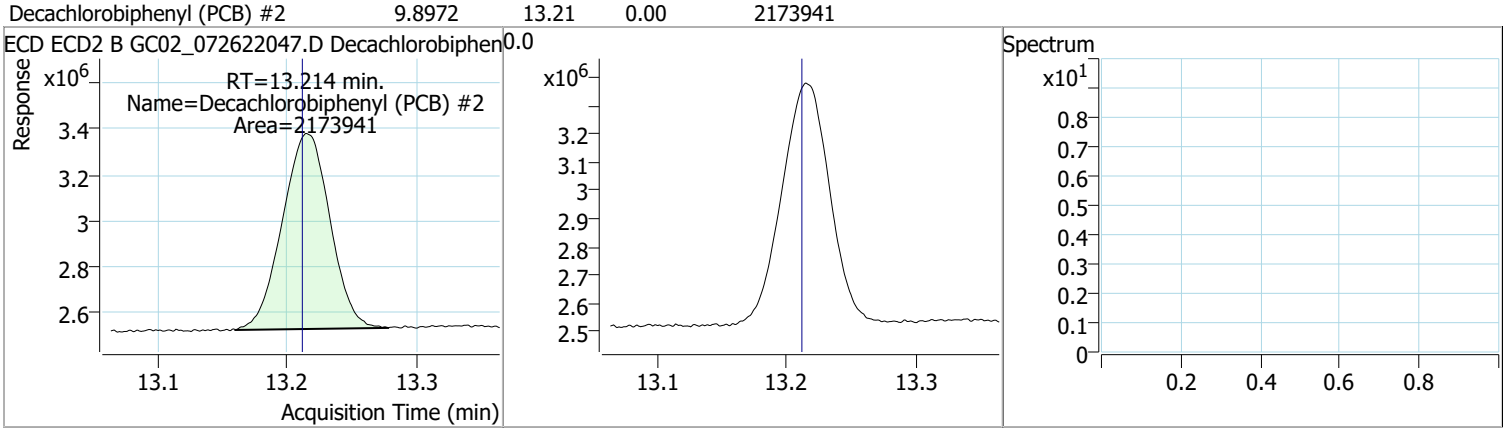
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	257.0498	11.72	0.00	3633727				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	9.0280	12.03	0.00	34750789				

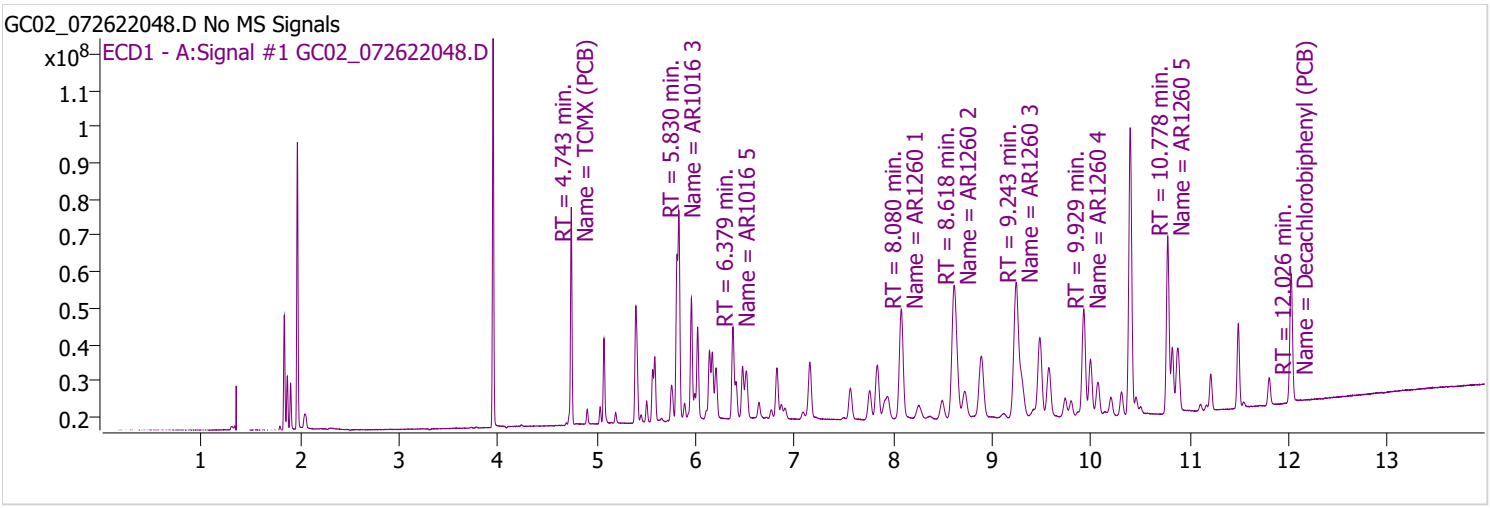


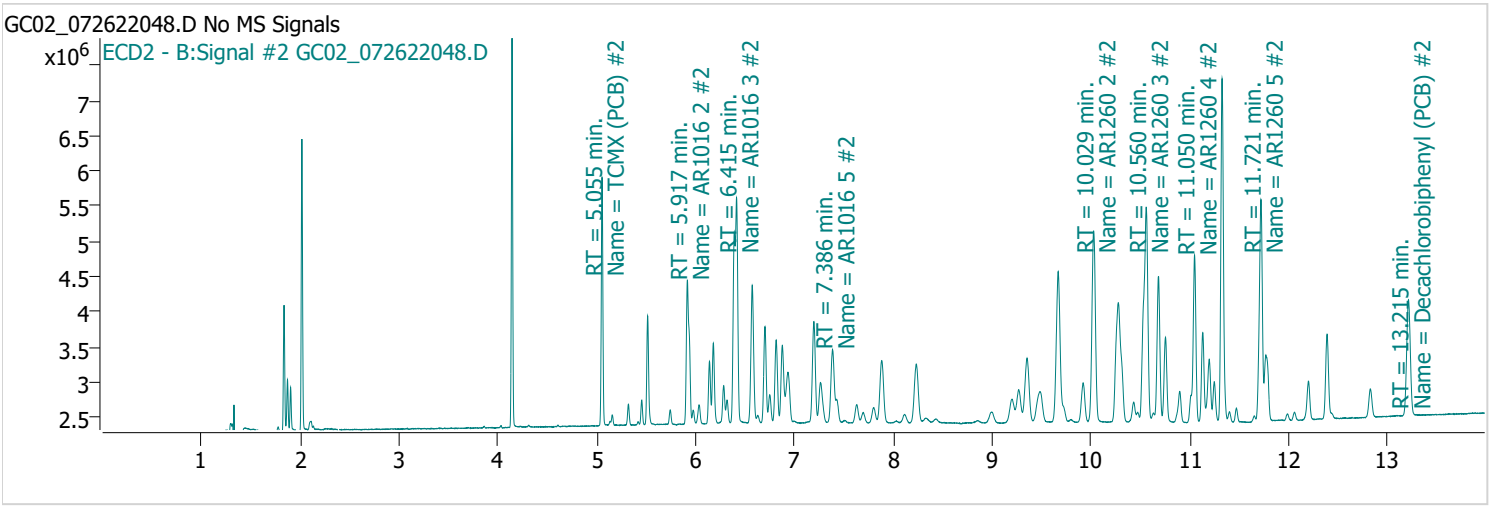
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	9.8972	13.21	0.00	2173941				



Quantitation Results Report (Not Reviewed)

Data File	GC02_072622048.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	7/27/2022 9:14:28 AM
Sample Name	ICAL, S17023, 4, S17010, 250	Instrument	SVOA-GC02
Vial	85	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_1.m	Comment	500PPB PCB ICAL 5
Tune File	ATUNE.U	Tune Date	
Batch Name	072622PCBICAL.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



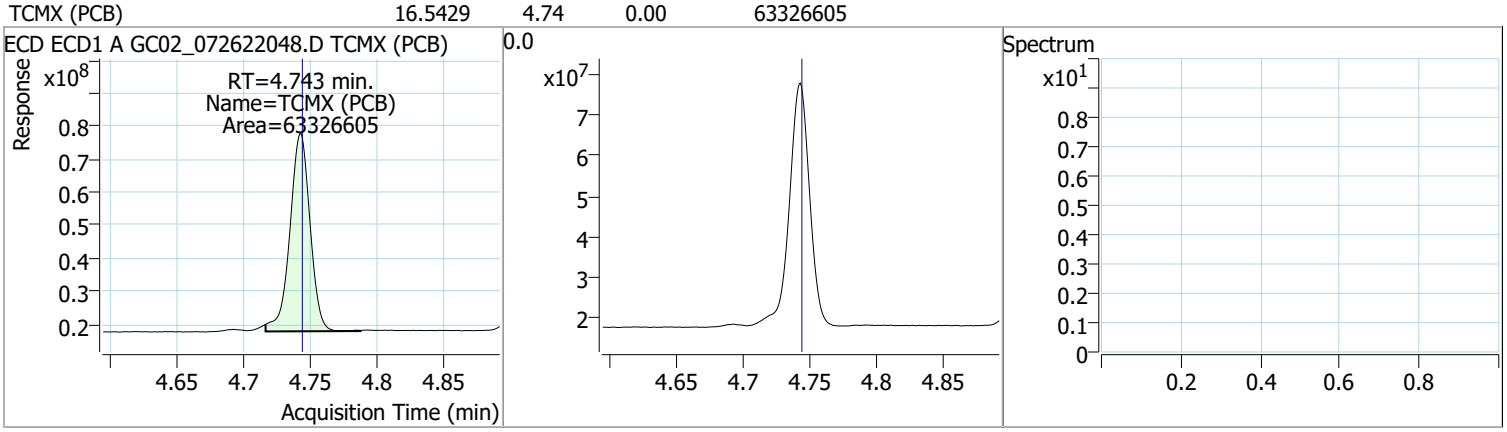


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.952	0.0	98182338.465	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.144	0.0	5146893.838	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.743	0.0	63326605.384	16.5429	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 82.71%		
S TCMX (PCB) #2	5.055	0.0	3920532.329	16.6707	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 83.35%		
S Decachlorobiphenyl (PCB)	12.026	0.0	69666682.883	15.1599	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 75.80%		
S Decachlorobiphenyl (PCB) #2	13.215	0.0	4275437.667	16.2614	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 81.31%		
Target Compounds						QValue

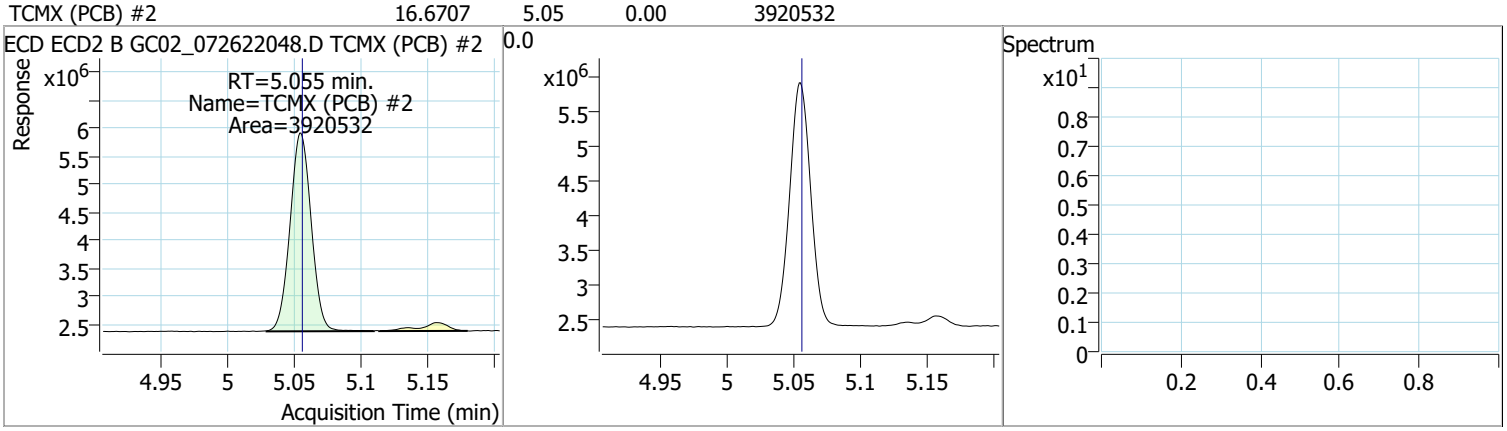
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.074	0.0	27773209.133	430.9278	ng/ml		100
T AR1016 2	5.396	0.0	53697460.162	431.5635	ng/ml		100
T AR1016 1 #2	5.515	0.0	2047124.406	422.1334	ng/ml		100
T AR1016 3	5.830	0.0	80025499.160	409.5154	ng/ml	m	100
T AR1016 2 #2	5.917	0.0	4230473.526	425.3715	ng/ml		100
T AR1016 4	5.958	0.0	46694354.279	408.4157	ng/ml		100
T AR1016 5	6.379	0.0	40877766.817	408.1377	ng/ml		100
T AR1016 3 #2	6.415	0.0	5169813.591	419.5483	ng/ml	m	100
T AR1016 4 #2	6.574	0.0	3764887.545	431.7631	ng/ml		100
T AR1016 5 #2	7.386	0.0	3010214.145	424.1062	ng/ml		100
T AR1260 1	8.080	0.0	82953935.714	412.2322	ng/ml		100
T AR1260 2	8.618	0.0	128107620.263	410.7227	ng/ml		100
T AR1260 3	9.243	0.0	152356142.822	414.3345	ng/ml		100
T AR1260 1 #2	9.670	0.0	6057800.774	414.9666	ng/ml		100
T AR1260 4	9.929	0.0	67175503.609	403.5868	ng/ml		100
T AR1260 2 #2	10.029	0.0	6607402.077	413.6381	ng/ml		100
T AR1260 3 #2	10.560	0.0	8713648.000	412.4950	ng/ml		100
T AR1260 5	10.778	0.0	93558249.825	386.4702	ng/ml		100
T AR1260 4 #2	11.050	0.0	4945882.908	419.4889	ng/ml		100
T AR1260 5 #2	11.721	0.0	6846559.518	404.6250	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

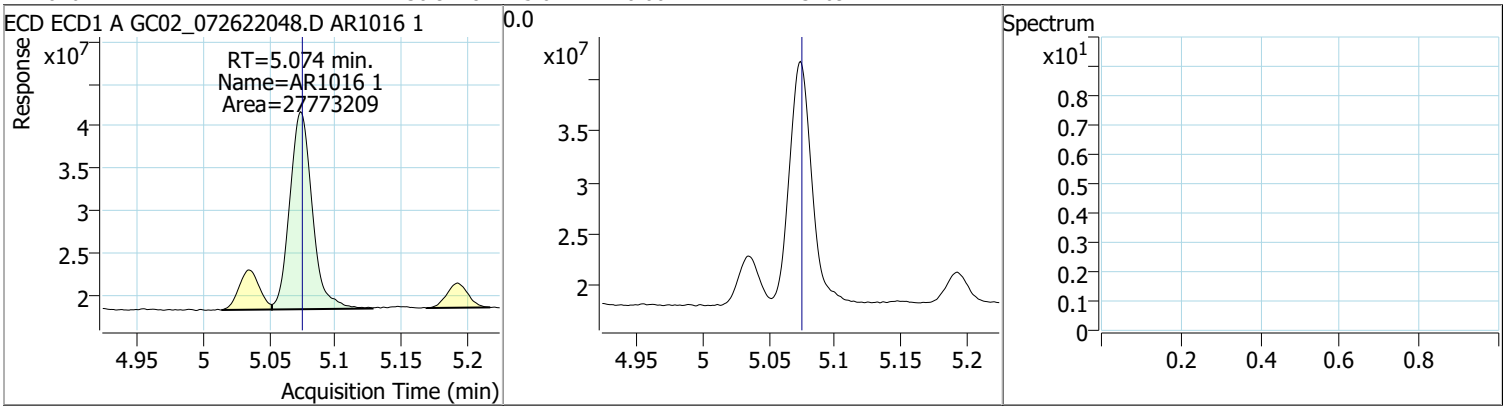
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	16.5429	4.74	0.00	63326605				



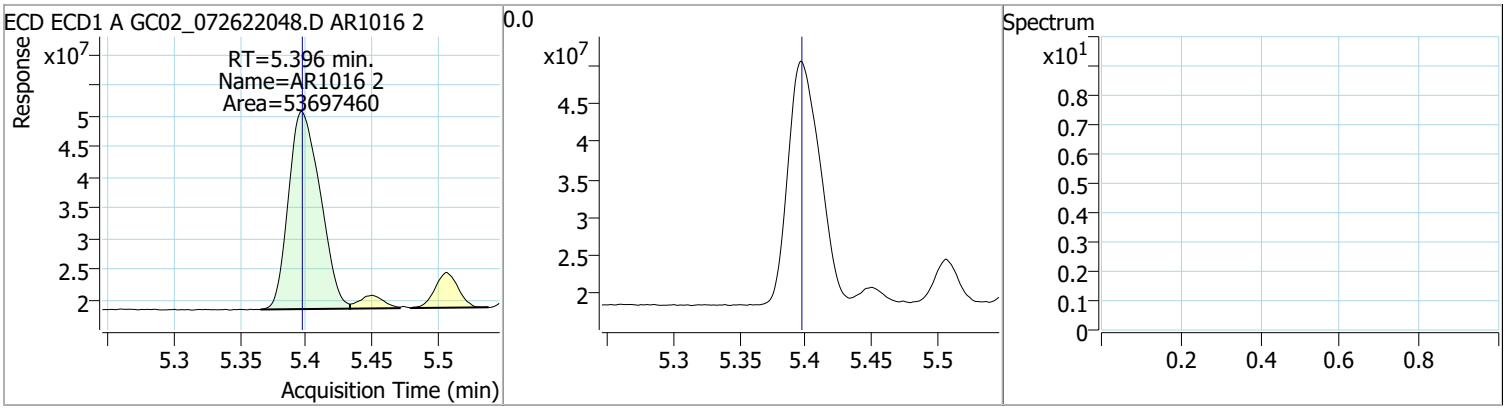
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	16.6707	5.05	0.00	3920532				



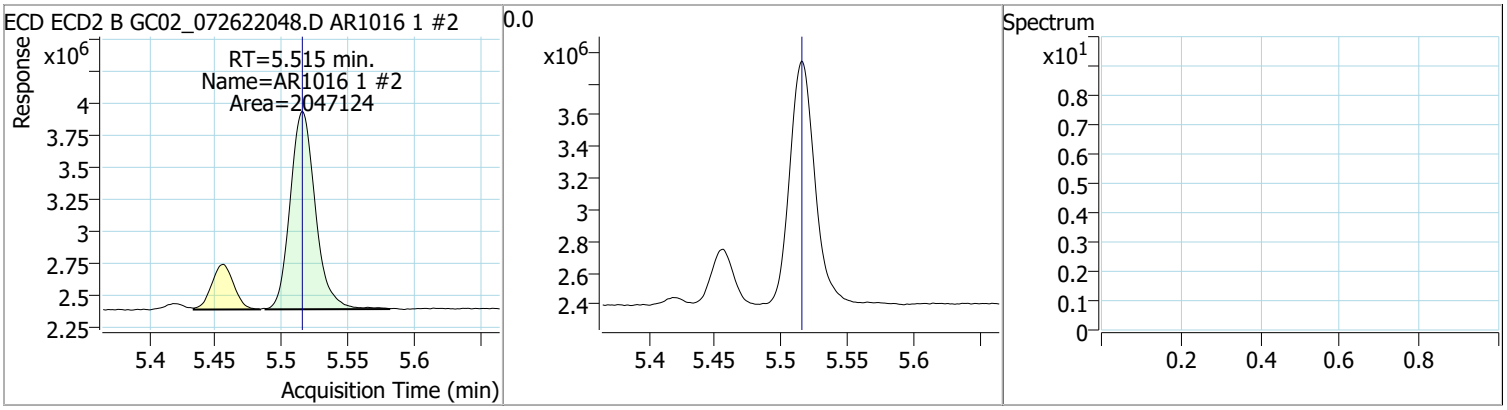
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	430.9278	5.07	0.00	27773209				



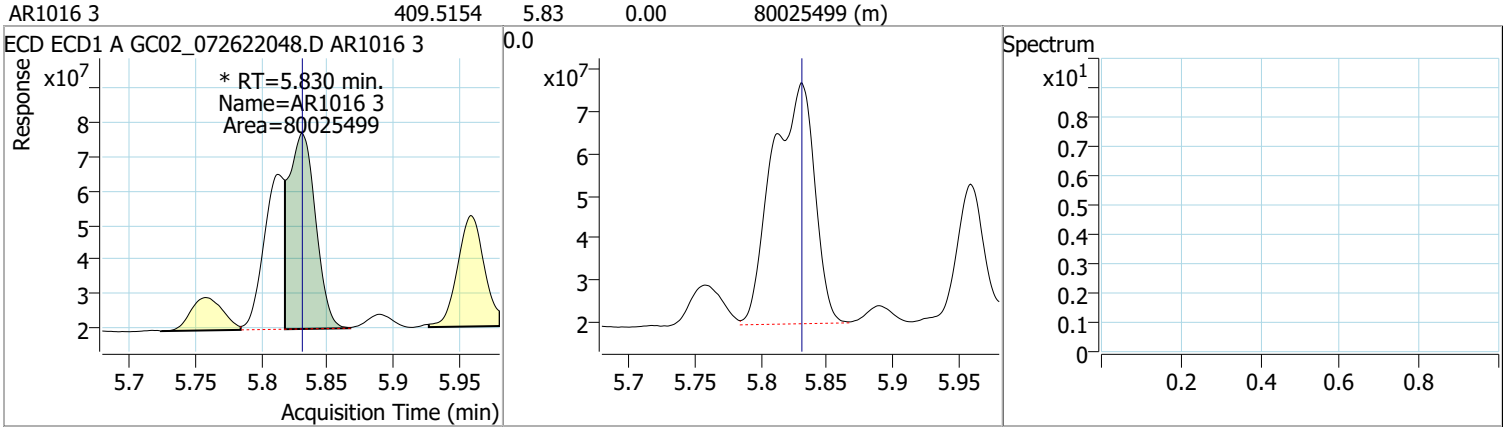
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	431.5635	5.40	0.00	53697460				



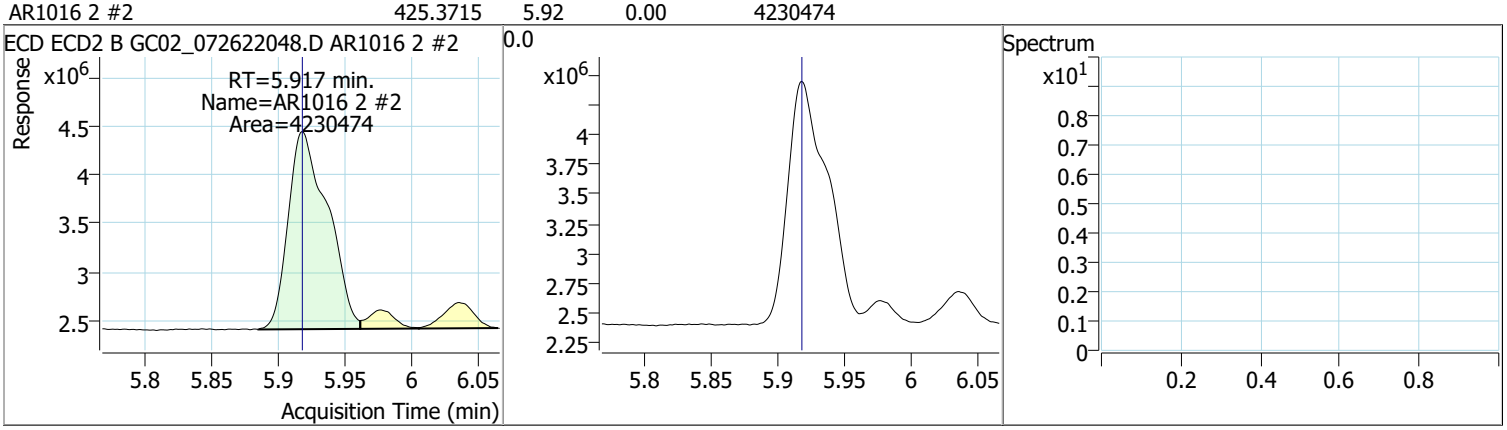
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	422.1334	5.52	0.00	2047124				



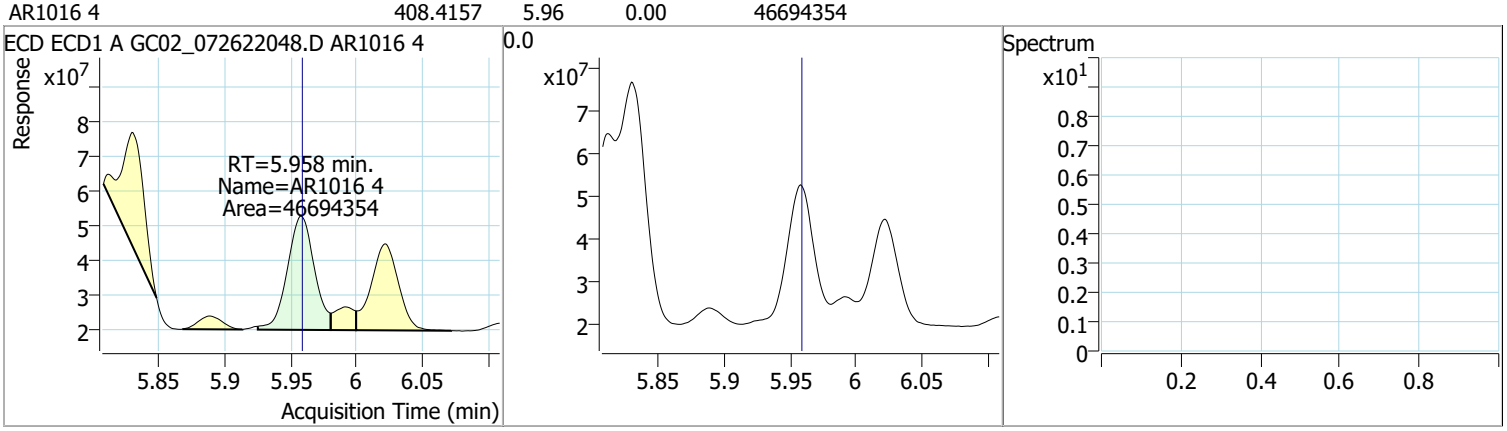
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	409.5154	5.83	0.00	80025499 (m)				



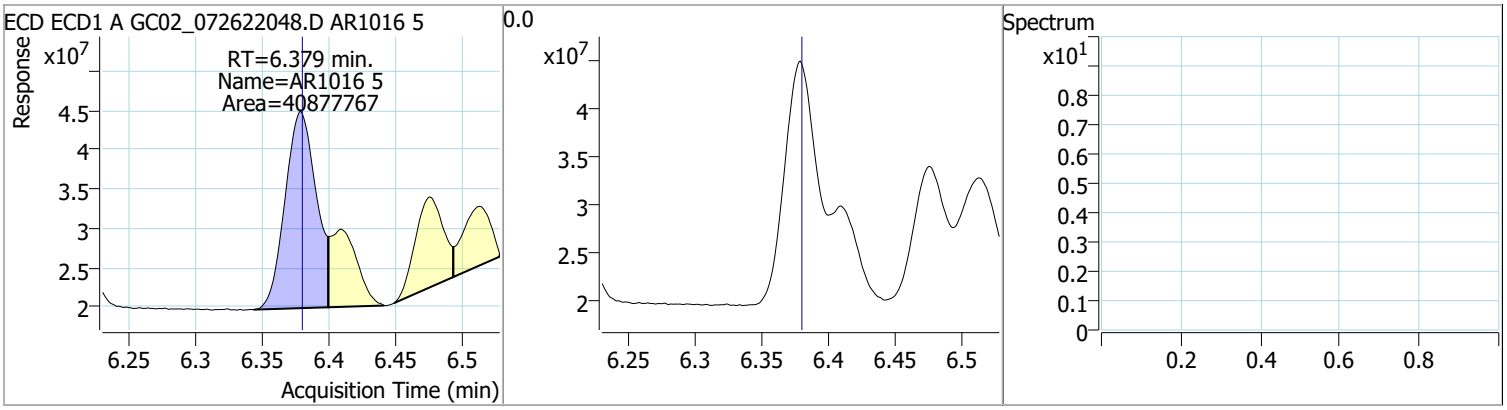
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	425.3715	5.92	0.00	4230474				



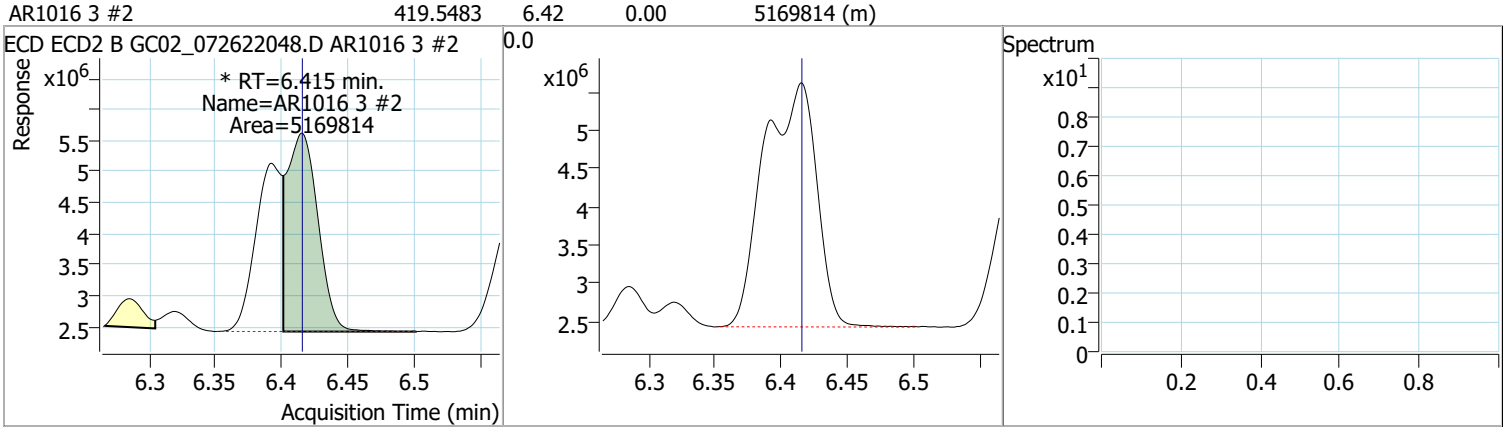
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	408.4157	5.96	0.00	46694354				



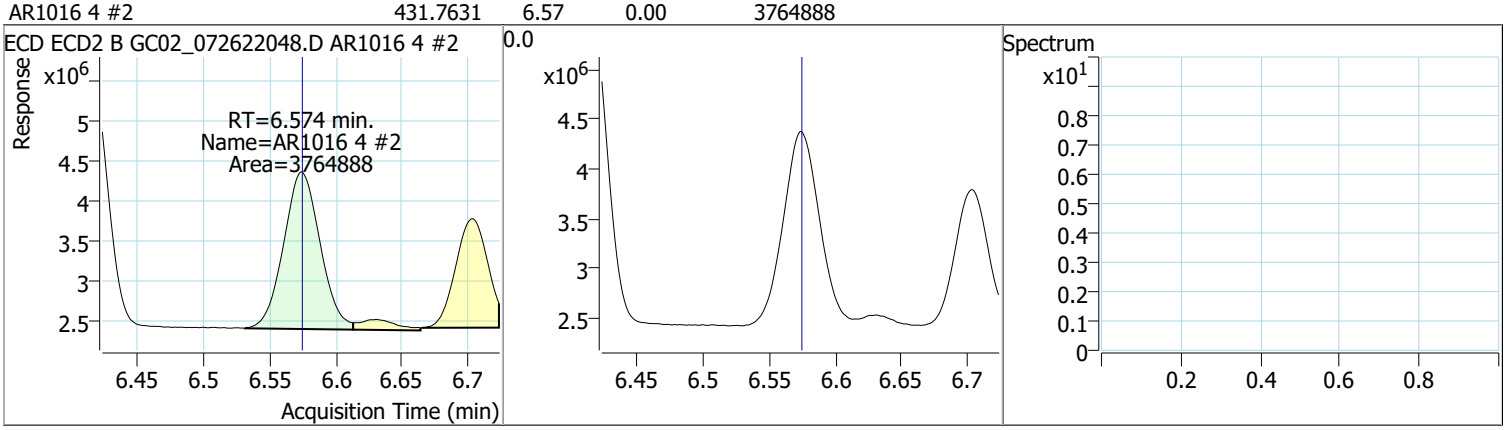
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	408.1377	6.38	0.00	40877767				



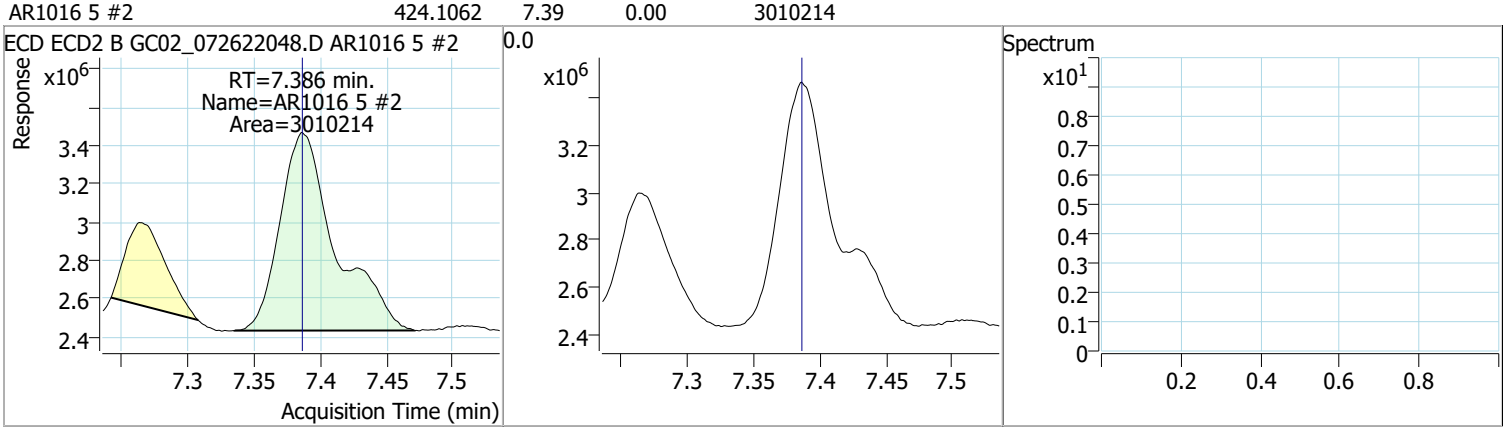
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	419.5483	6.42	0.00	5169814 (m)				



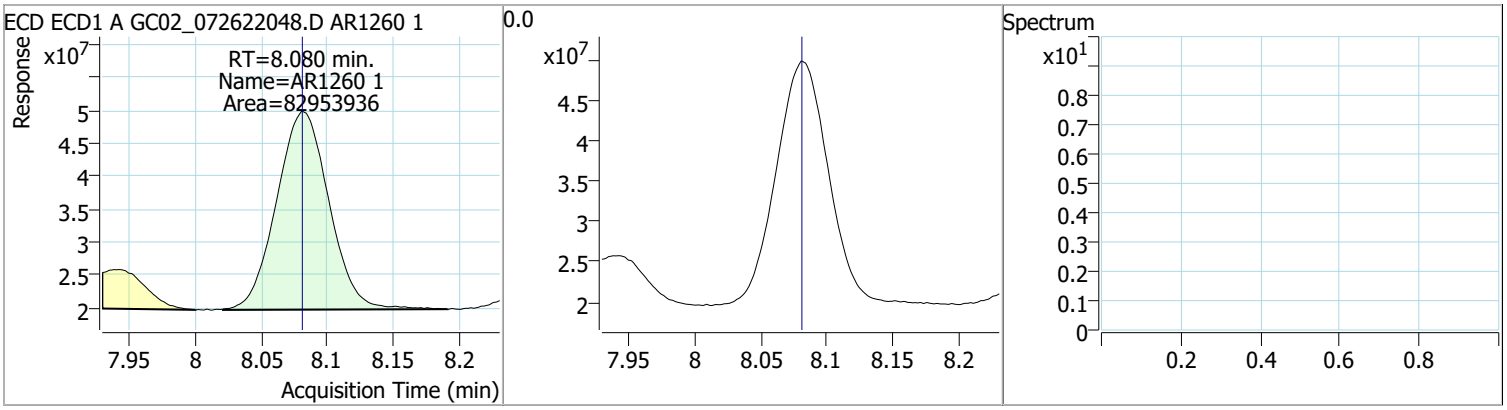
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	431.7631	6.57	0.00	3764888				



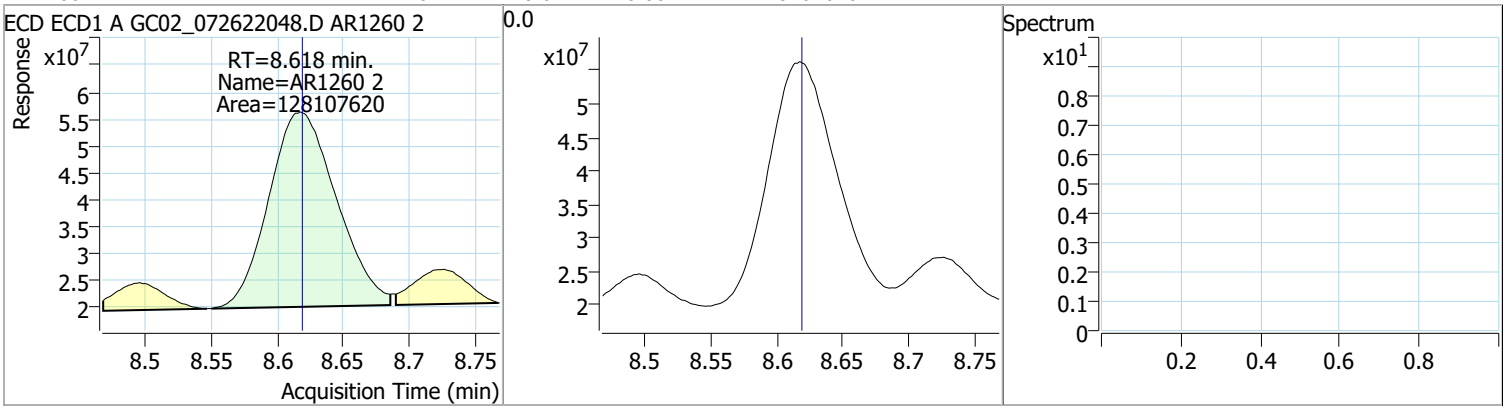
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	424.1062	7.39	0.00	3010214				



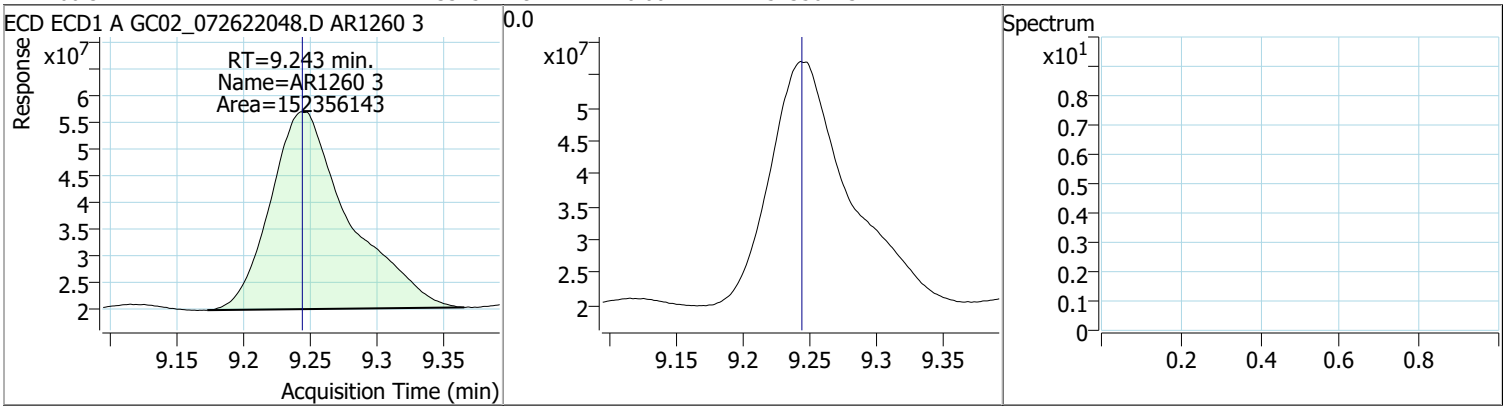
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	412.2322	8.08	0.00	82953936				



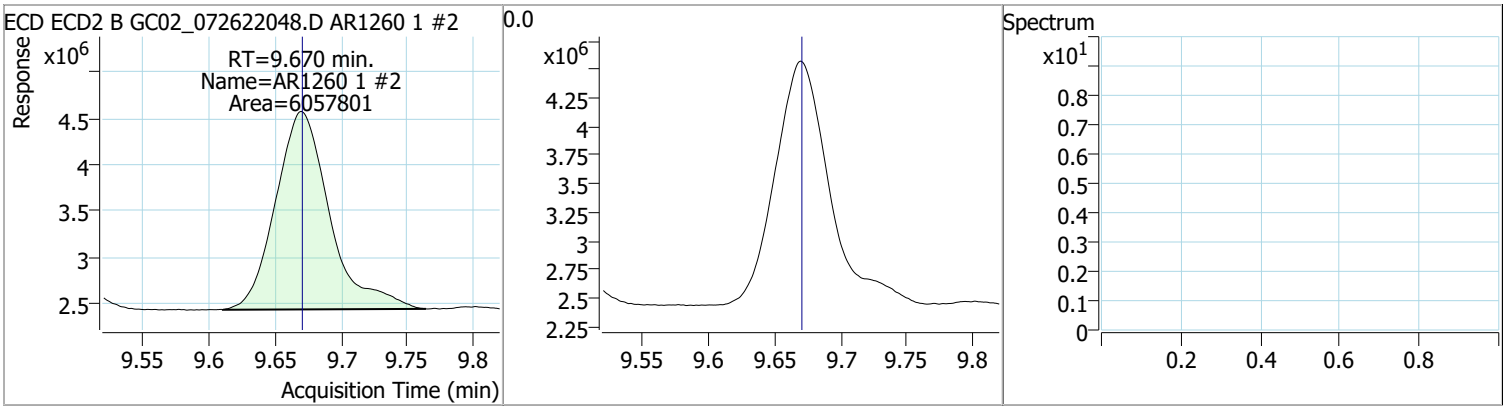
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	410.7227	8.62	0.00	128107620				



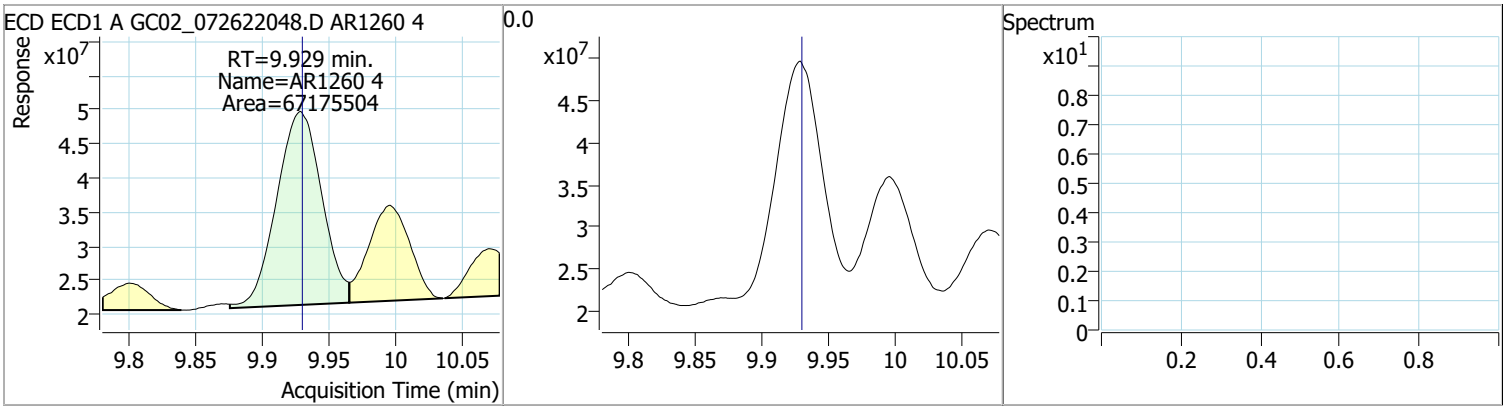
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	414.3345	9.24	0.00	152356143				



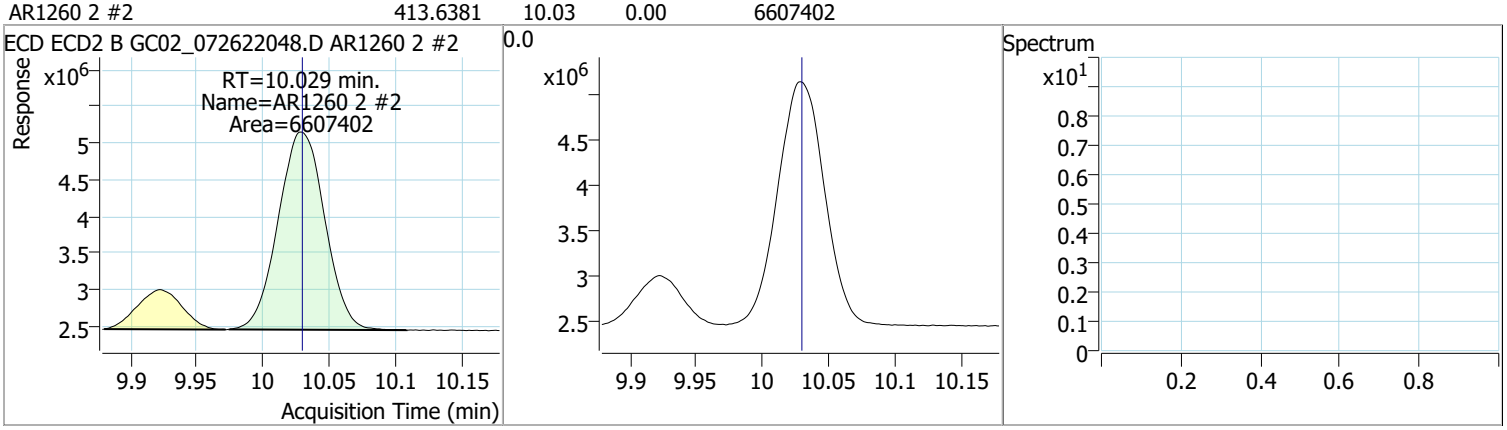
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	414.9666	9.67	0.00	6057801				



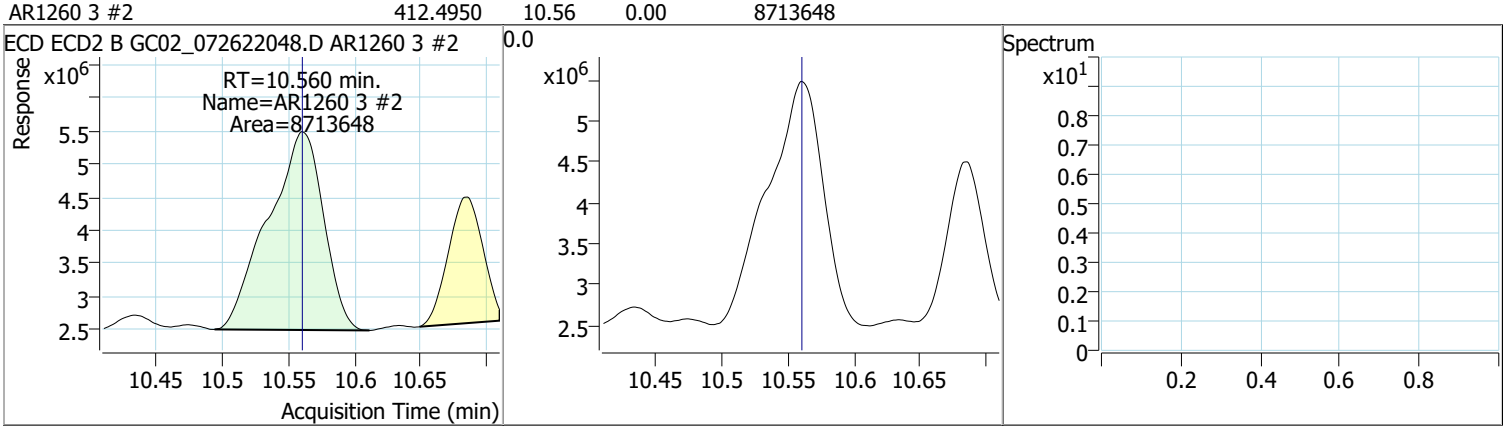
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	403.5868	9.93	0.00	67175504				



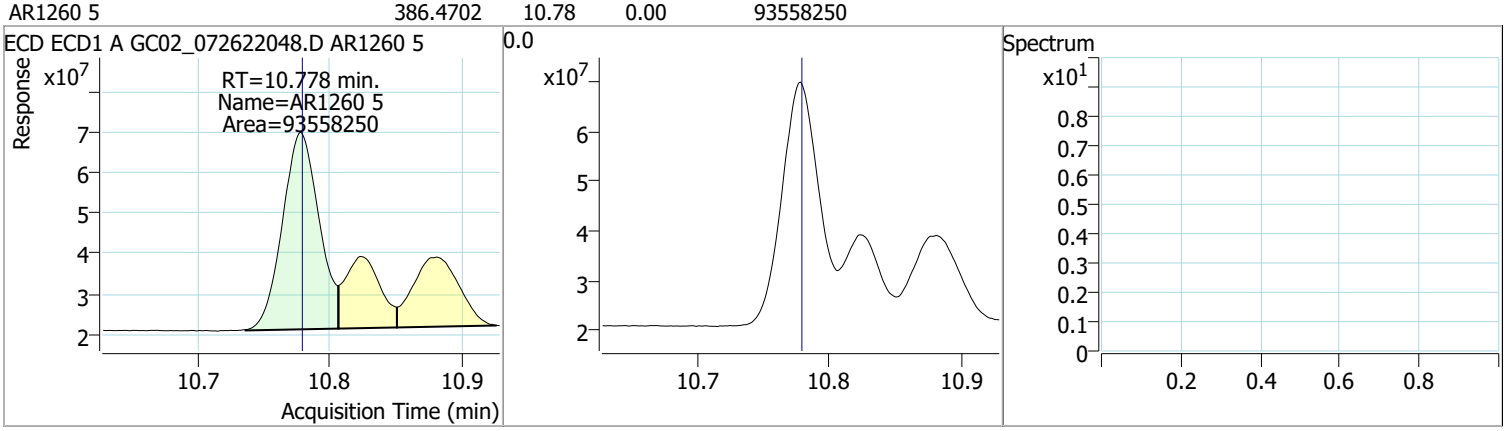
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	413.6381	10.03	0.00	6607402				



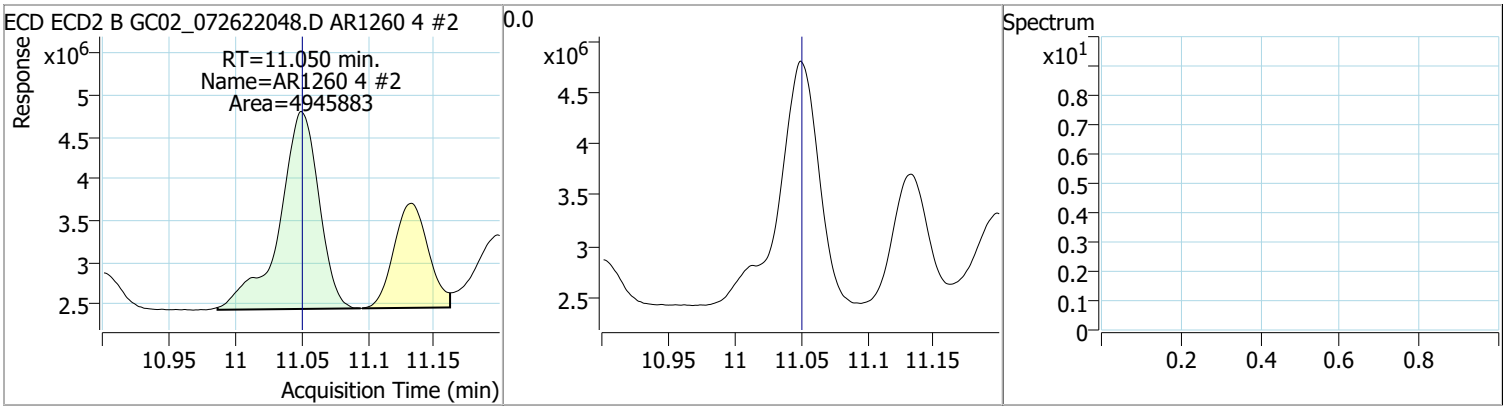
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	412.4950	10.56	0.00	8713648				



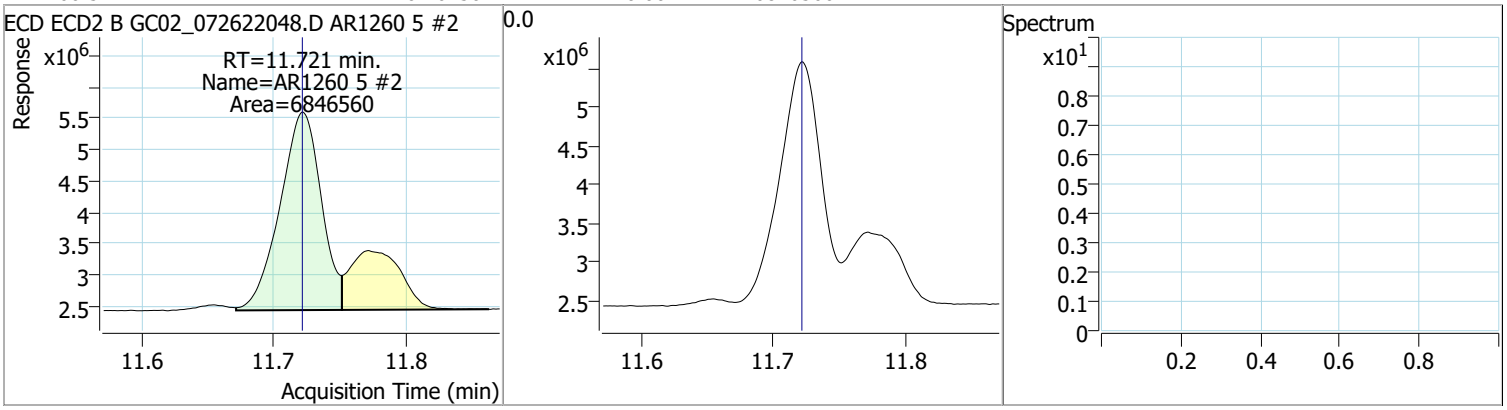
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	386.4702	10.78	0.00	93558250				



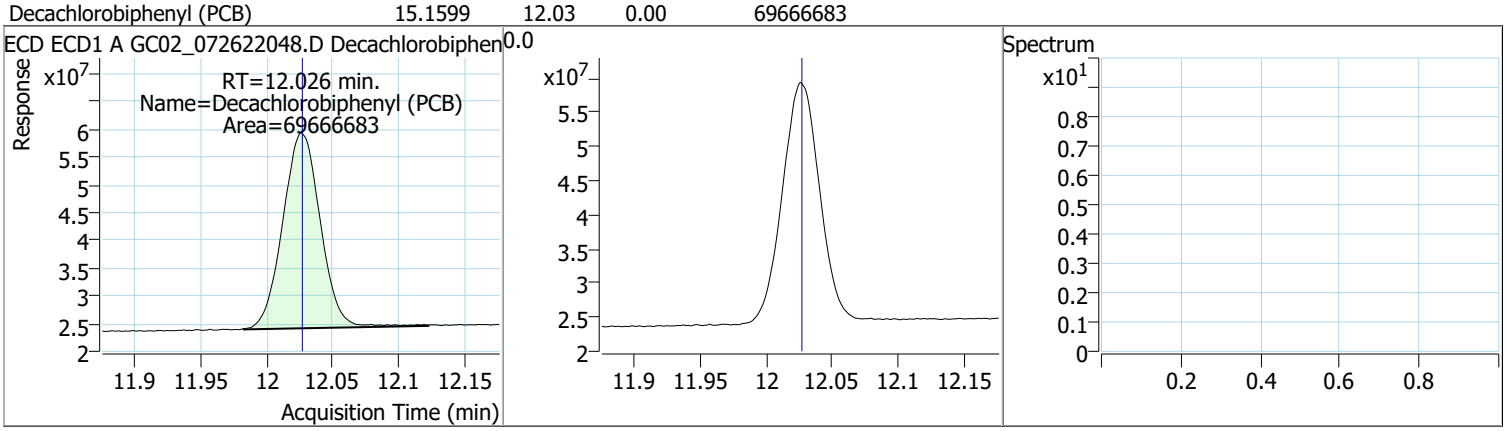
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	419.4889	11.05	0.00	4945883				



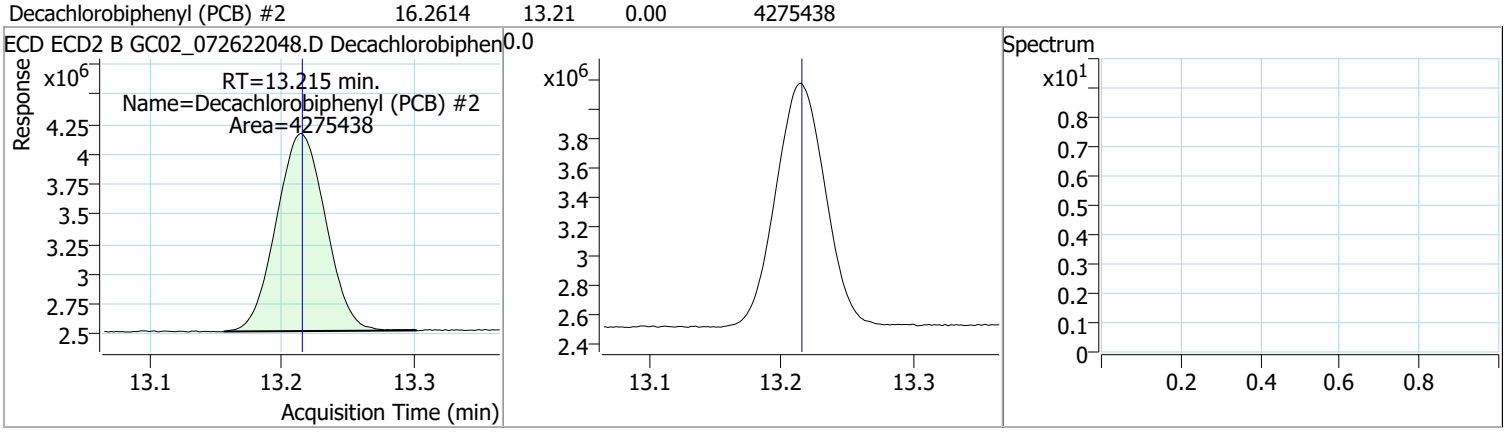
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	404.6250	11.72	0.00	6846560				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	15.1599	12.03	0.00	69666683				

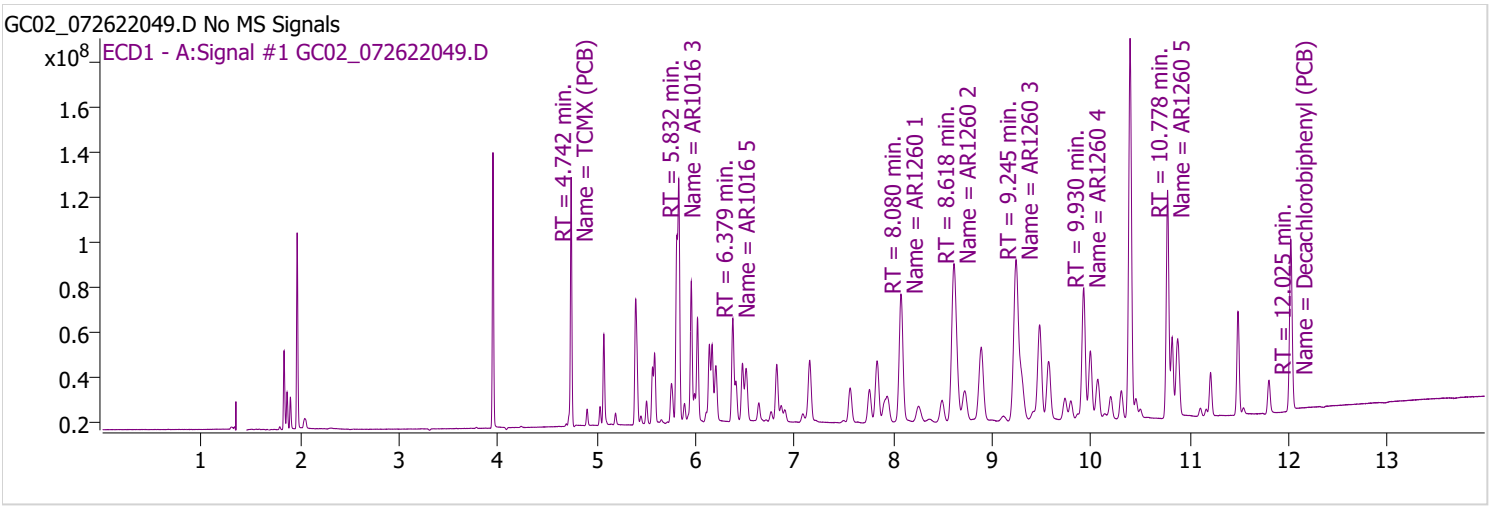


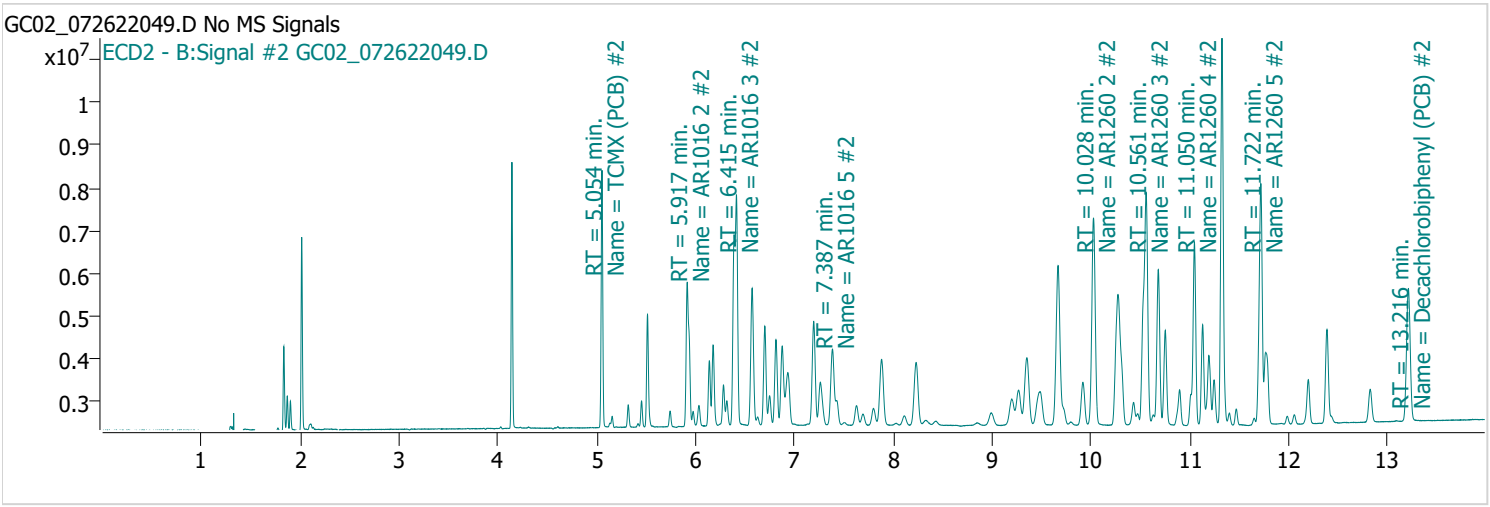
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	16.2614	13.21	0.00	4275438				



Quantitation Results Report (Not Reviewed)

Data File	GC02_072622049.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	7/27/2022 9:32:18 AM
Sample Name	ICAL, S17023, 2.667, S17010, 250	Instrument	SVOA-GC02
Vial	86	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_1.m	Comment	750PPB PCB ICAL 6
Tune File	ATUNE.U	Tune Date	
Batch Name	072622PCBICAL.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



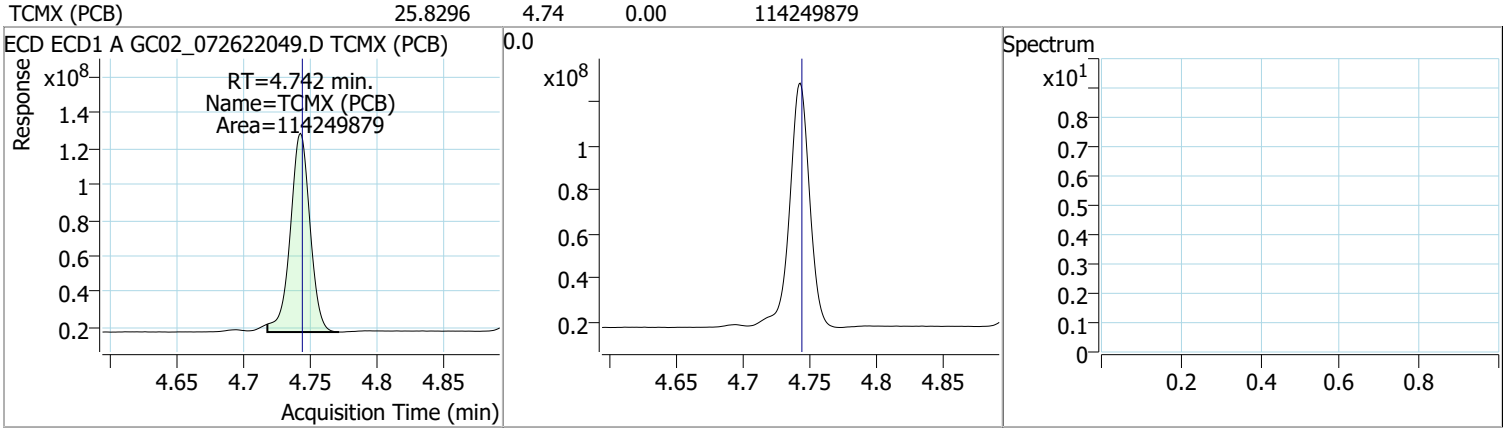


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.952	0.0	113448205.980	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.143	0.0	5837512.442	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.742	0.0	114249879.127	25.8296	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 129.15%		
S TCMX (PCB) #2	5.054	0.0	6752019.916	25.3139	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 126.57%		
S Decachlorobiphenyl (PCB)	12.025	0.0	142639620.786	26.8626	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 134.31%		
S Decachlorobiphenyl (PCB) #2	13.216	0.0	8225988.508	27.5857	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 137.93%		
Target Compounds						QValue

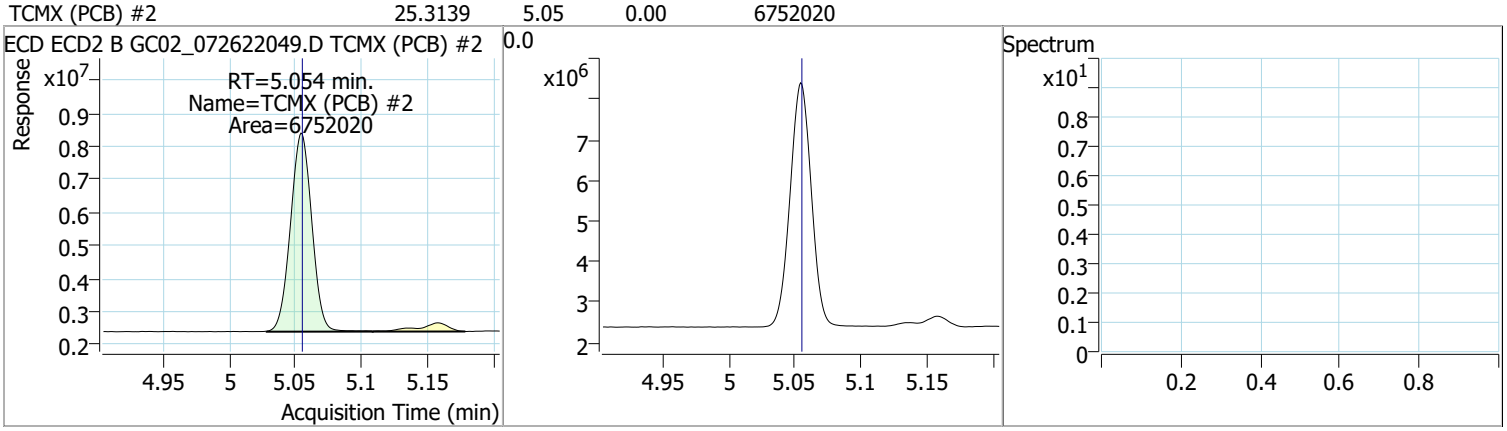
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.073	0.0	48070797.813	645.4989	ng/ml		100
T AR1016 2	5.396	0.0	92280357.212	641.8536	ng/ml		100
T AR1016 1 #2	5.515	0.0	3476926.745	632.1476	ng/ml		100
T AR1016 3	5.832	0.0	152532188.703	675.5213	ng/ml	m	100
T AR1016 2 #2	5.917	0.0	7189122.378	637.3422	ng/ml		100
T AR1016 4	5.958	0.0	85800362.584	649.4757	ng/ml		100
T AR1016 5	6.379	0.0	74760402.622	645.9917	ng/ml		100
T AR1016 3 #2	6.415	0.0	8747409.503	625.8985	ng/ml	m	100
T AR1016 4 #2	6.574	0.0	6269453.600	633.9290	ng/ml		100
T AR1016 5 #2	7.387	0.0	5297530.744	658.0640	ng/ml		100
T AR1260 1	8.080	0.0	150580743.504	647.6049	ng/ml		100
T AR1260 2	8.618	0.0	241573211.676	670.2830	ng/ml		100
T AR1260 3	9.245	0.0	292494411.804	688.4057	ng/ml		100
T AR1260 1 #2	9.670	0.0	10802970.681	652.4673	ng/ml		100
T AR1260 4	9.930	0.0	131247690.123	682.4227	ng/ml		100
T AR1260 2 #2	10.028	0.0	11668951.330	644.0788	ng/ml		100
T AR1260 3 #2	10.561	0.0	15663112.000	653.7536	ng/ml		100
T AR1260 5	10.778	0.0	188088492.962	672.4065	ng/ml		100
T AR1260 4 #2	11.050	0.0	8959870.139	670.0323	ng/ml		100
T AR1260 5 #2	11.722	0.0	12497245.544	651.1964	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

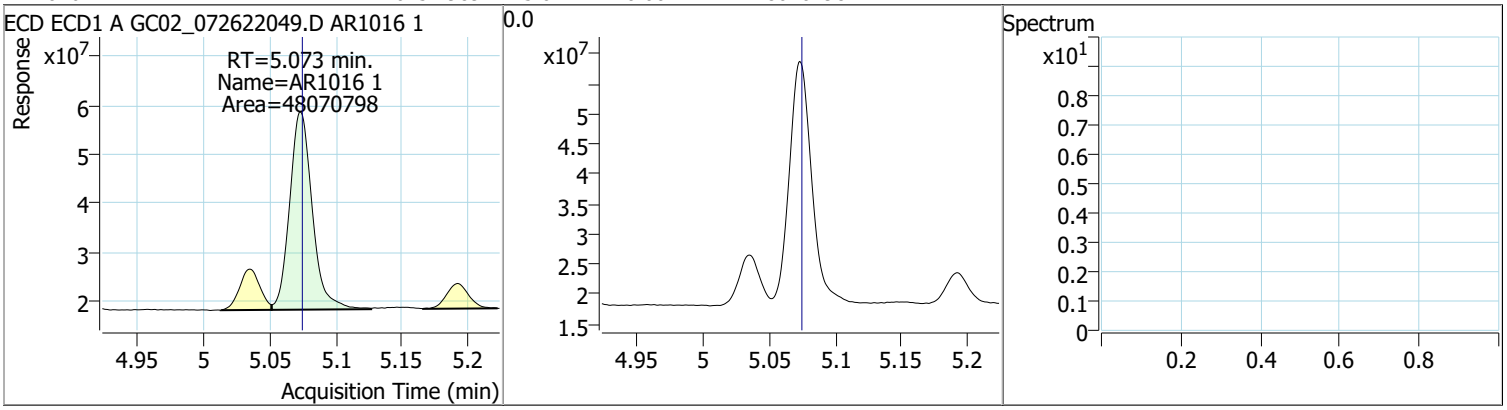
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	25.8296	4.74	0.00	114249879				



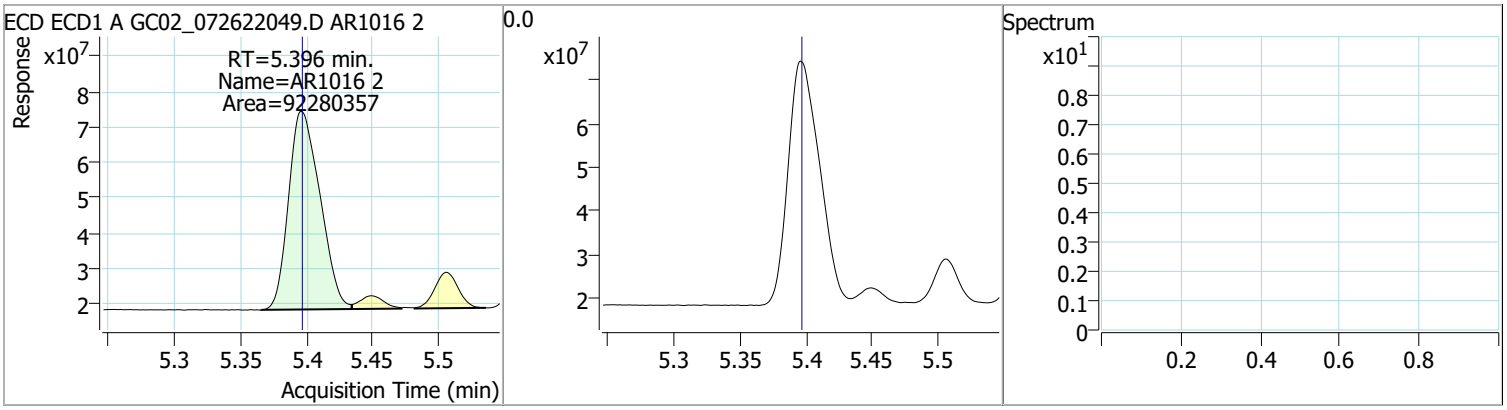
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	25.3139	5.05	0.00	6752020				



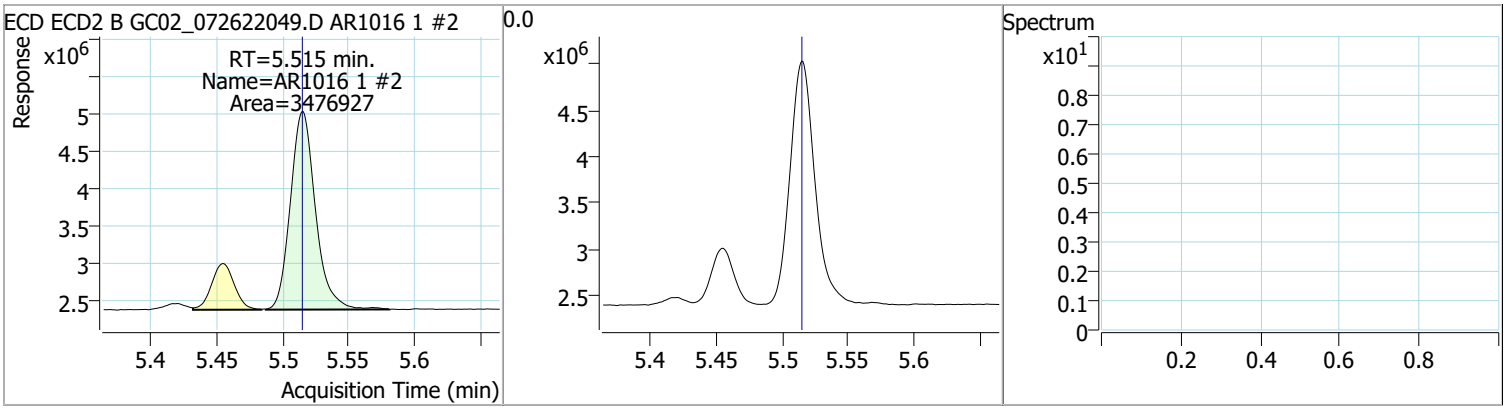
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	645.4989	5.07	0.00	48070798				



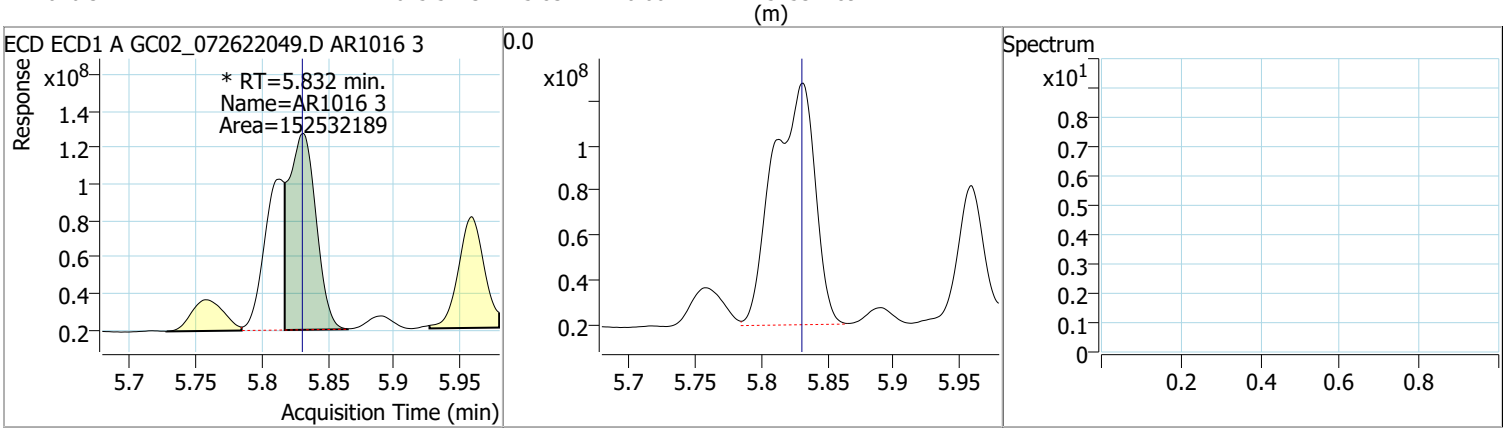
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	641.8536	5.40	0.00	92280357				



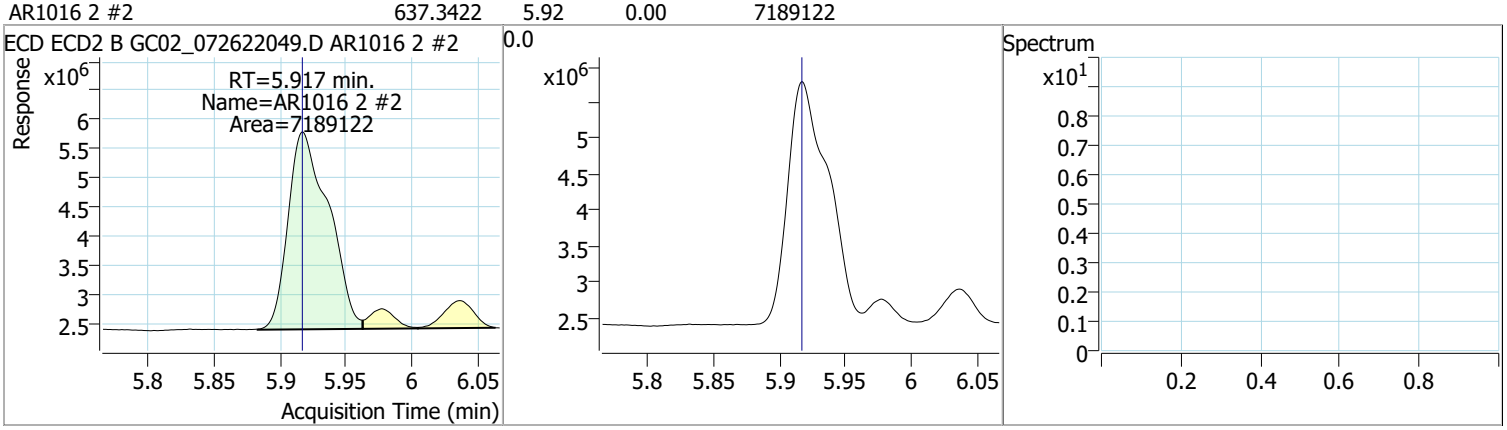
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	632.1476	5.51	0.00	3476927				



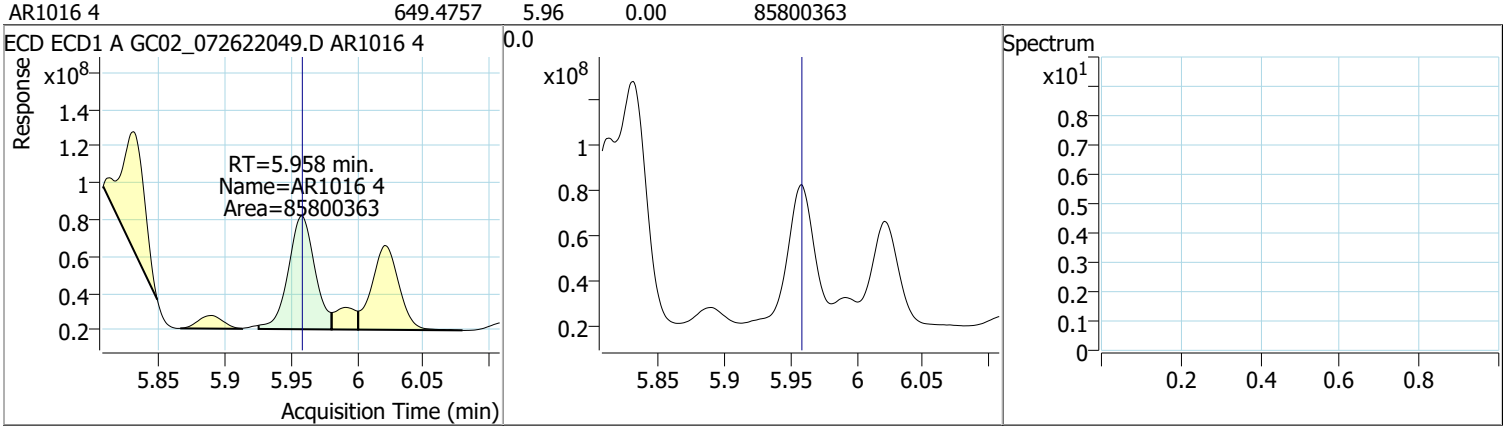
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	675.5213	5.83	0.00	152532189 (m)				



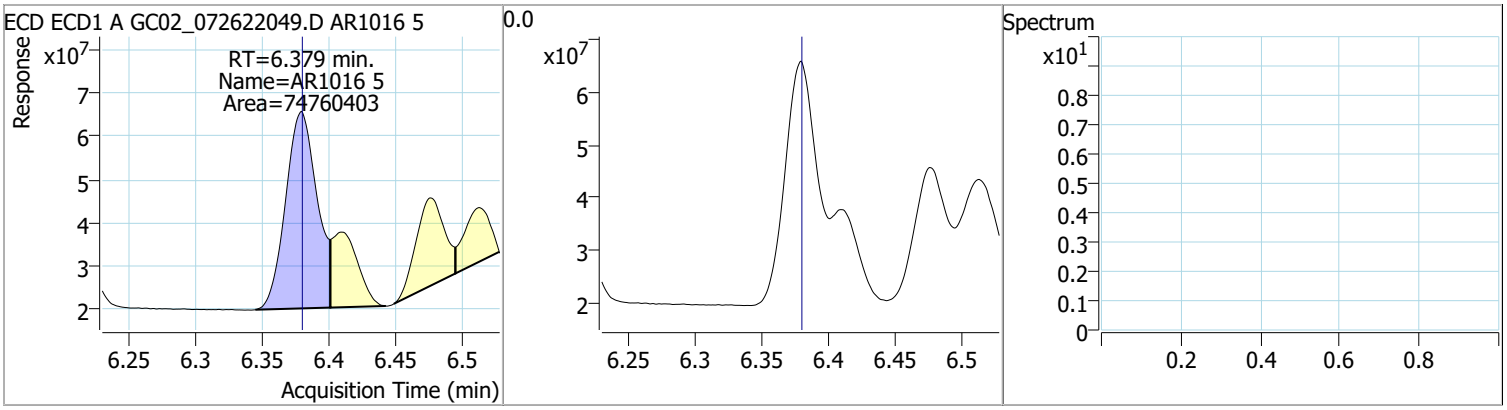
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	637.3422	5.92	0.00	7189122				



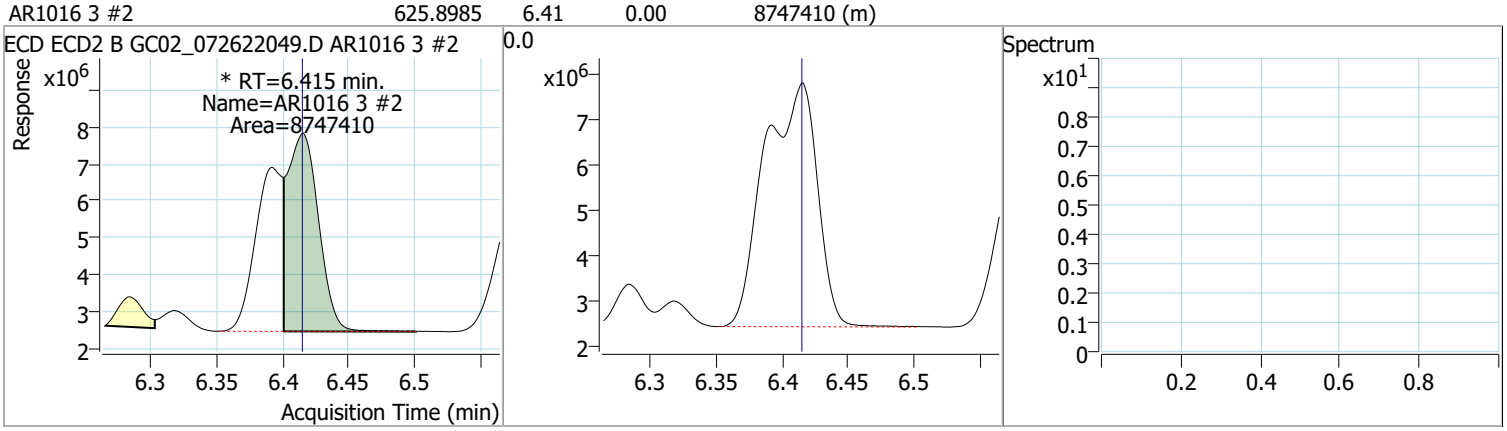
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	649.4757	5.96	0.00	85800363				



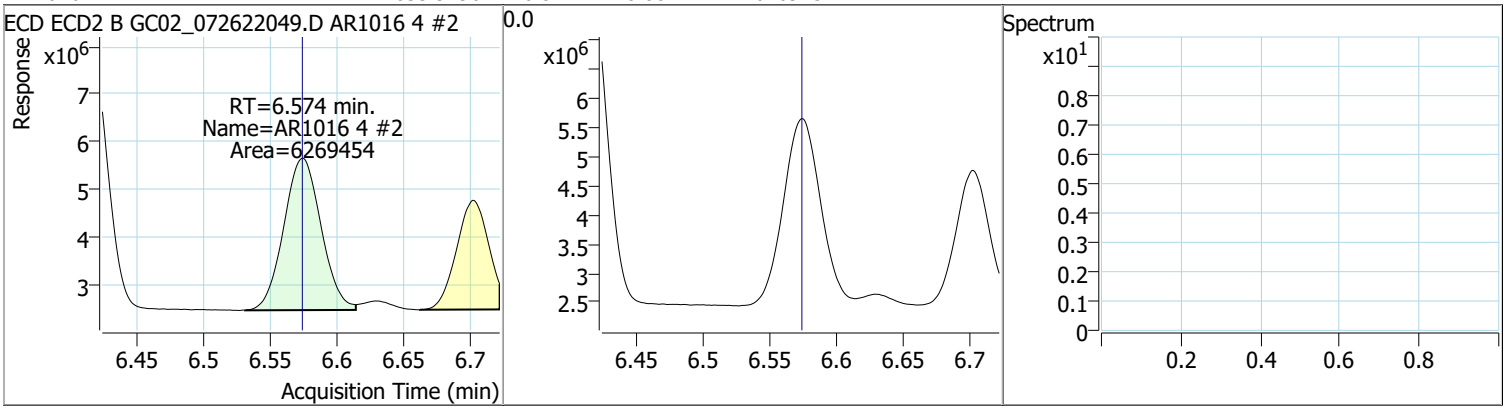
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	645.9917	6.38	0.00	74760403				



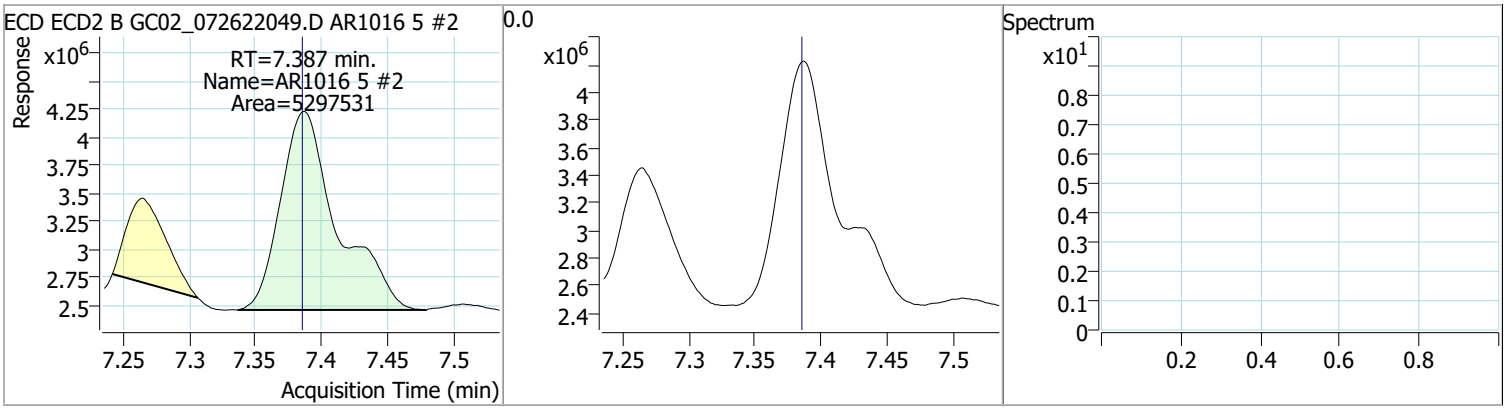
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	625.8985	6.41	0.00	8747410 (m)				



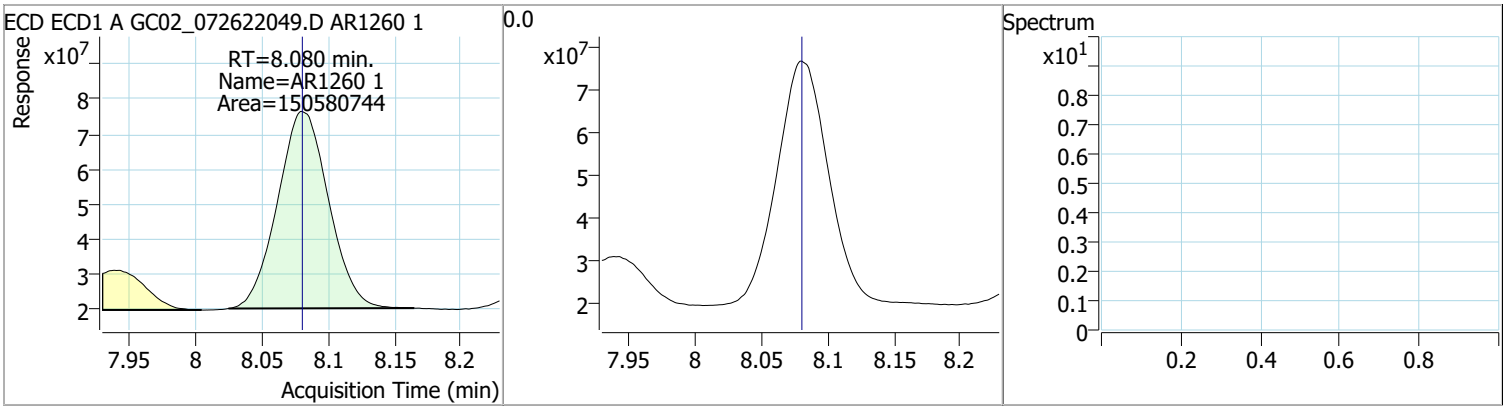
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	633.9290	6.57	0.00	6269454				



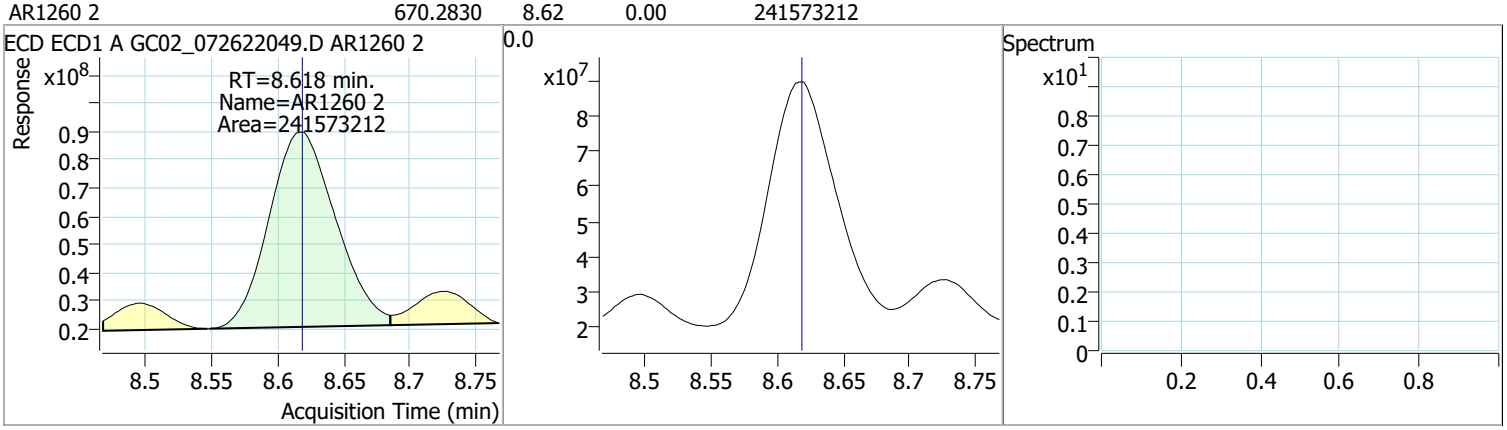
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	658.0640	7.39	0.00	5297531				



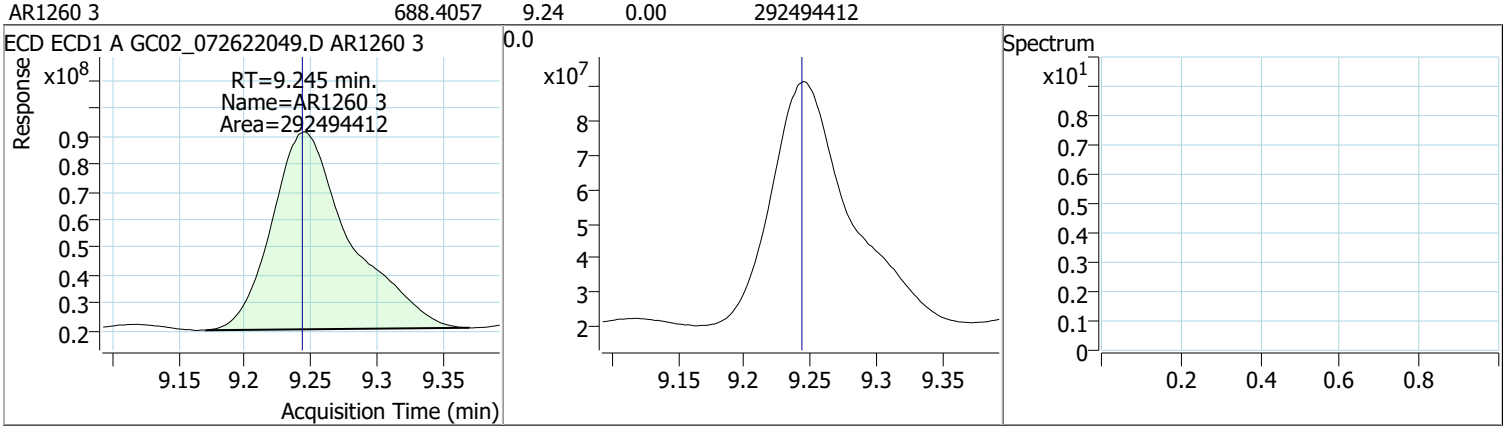
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	647.6049	8.08	0.00	150580744				



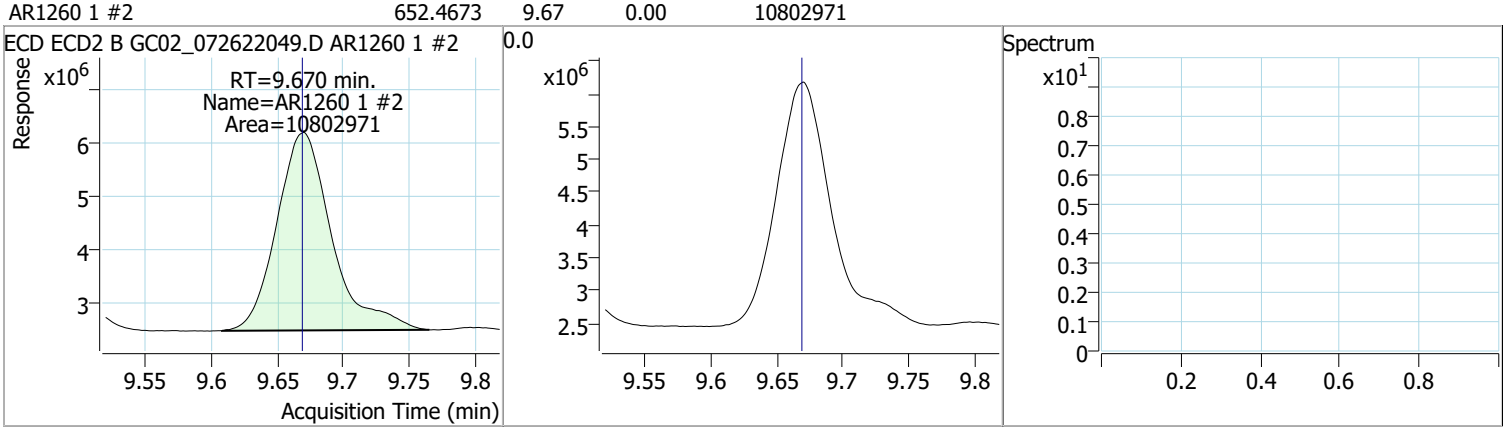
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	670.2830	8.62	0.00	241573212				



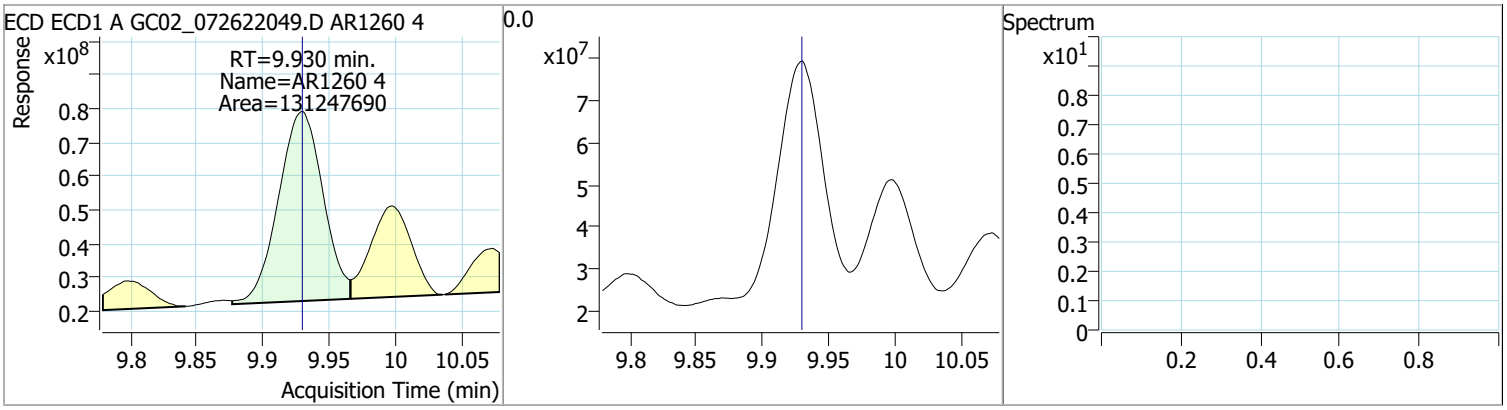
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	688.4057	9.24	0.00	292494412				



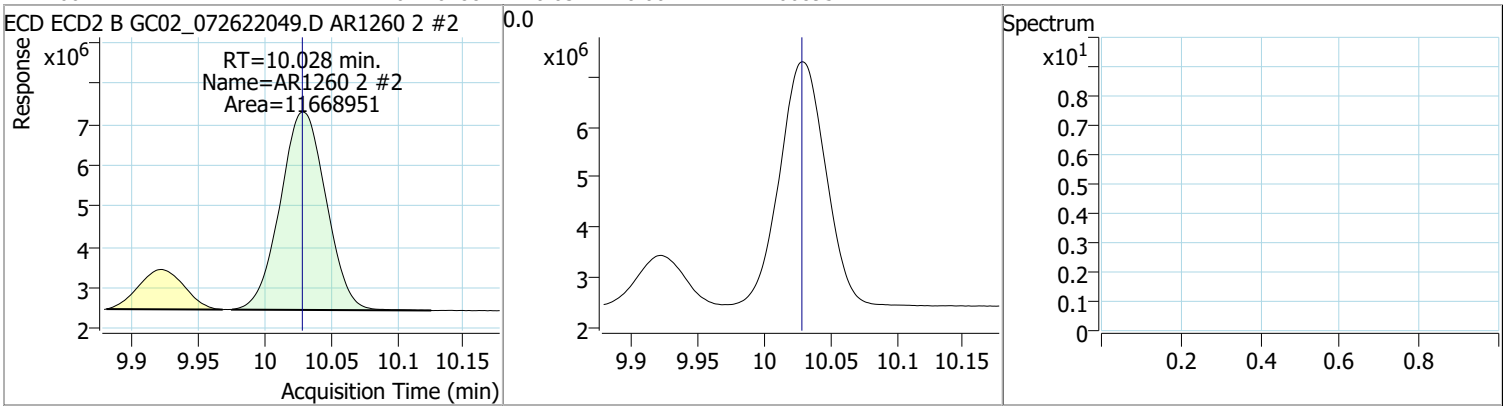
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	652.4673	9.67	0.00	10802971				



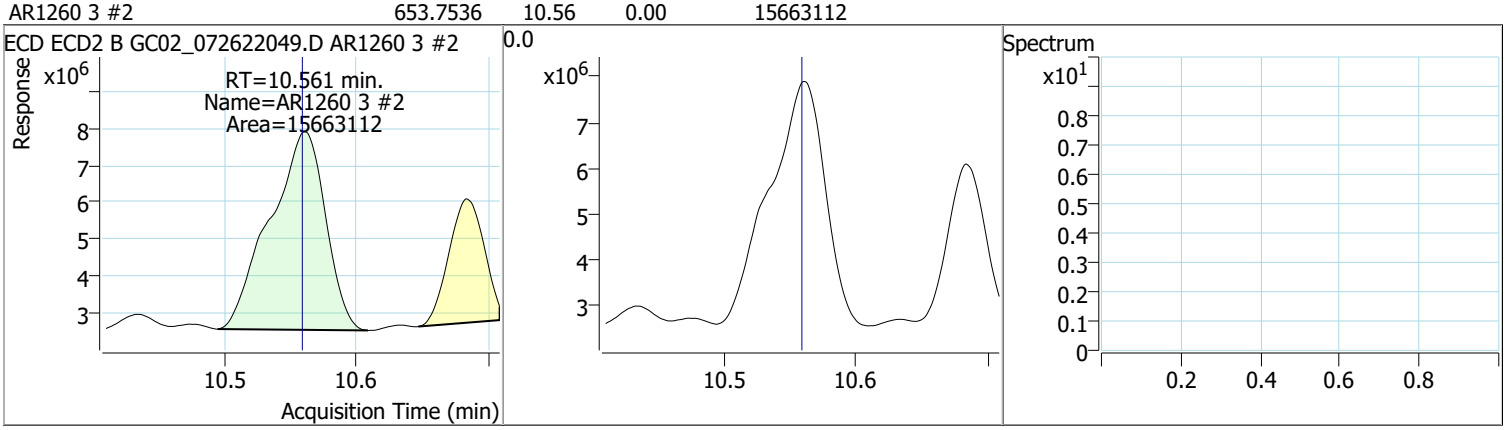
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	682.4227	9.93	0.00	131247690				



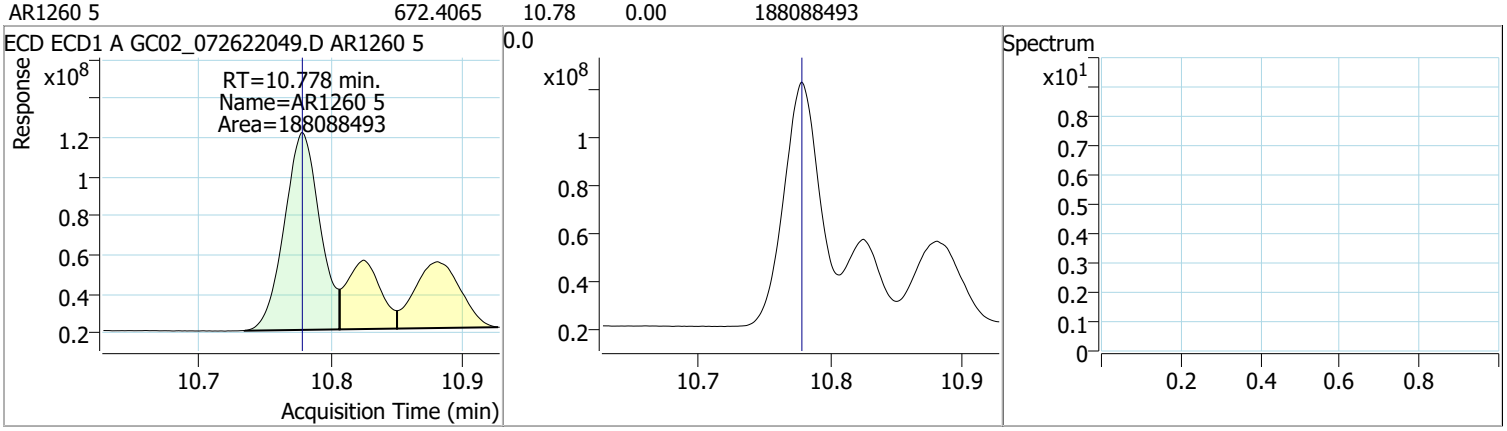
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	644.0788	10.03	0.00	11668951				



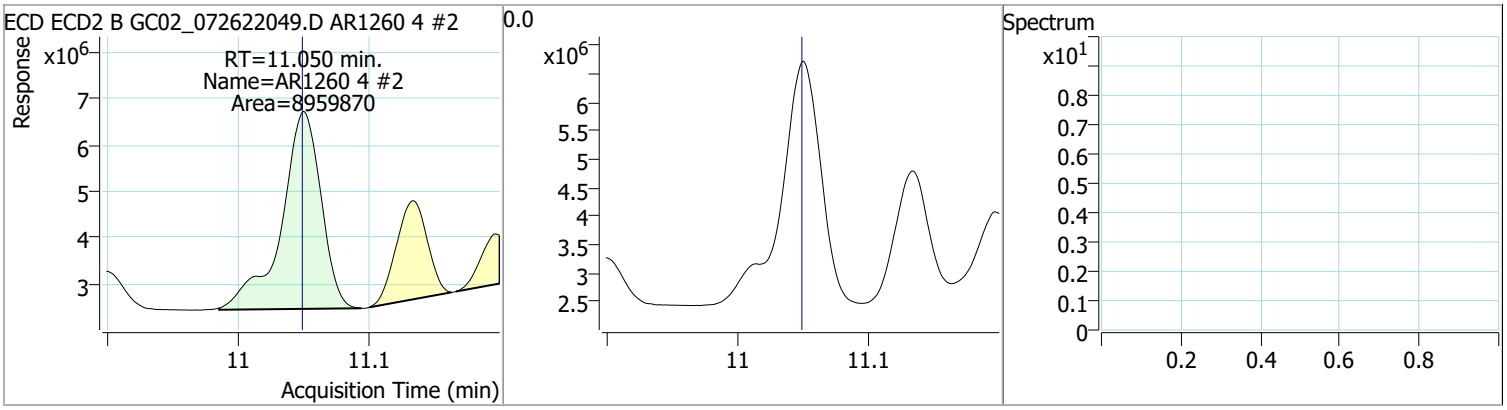
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	653.7536	10.56	0.00	15663112				



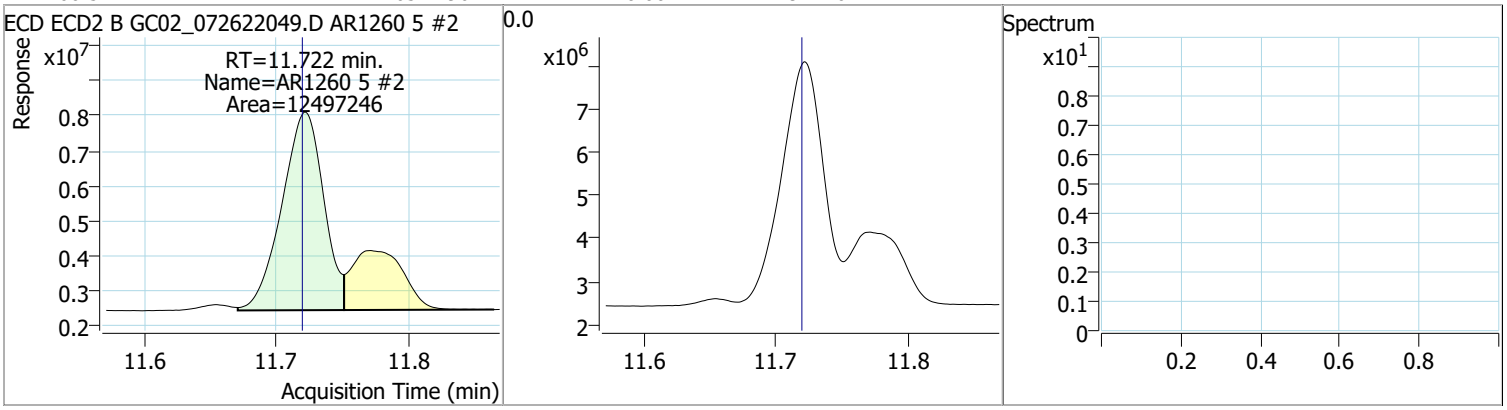
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	672.4065	10.78	0.00	188088493				



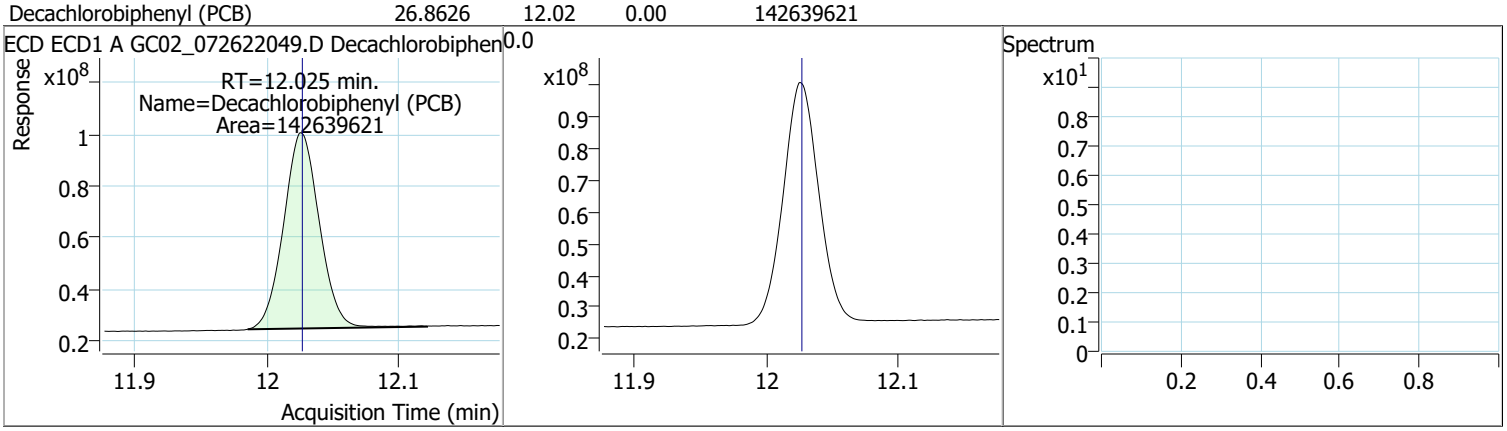
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	670.0323	11.05	0.00	8959870				



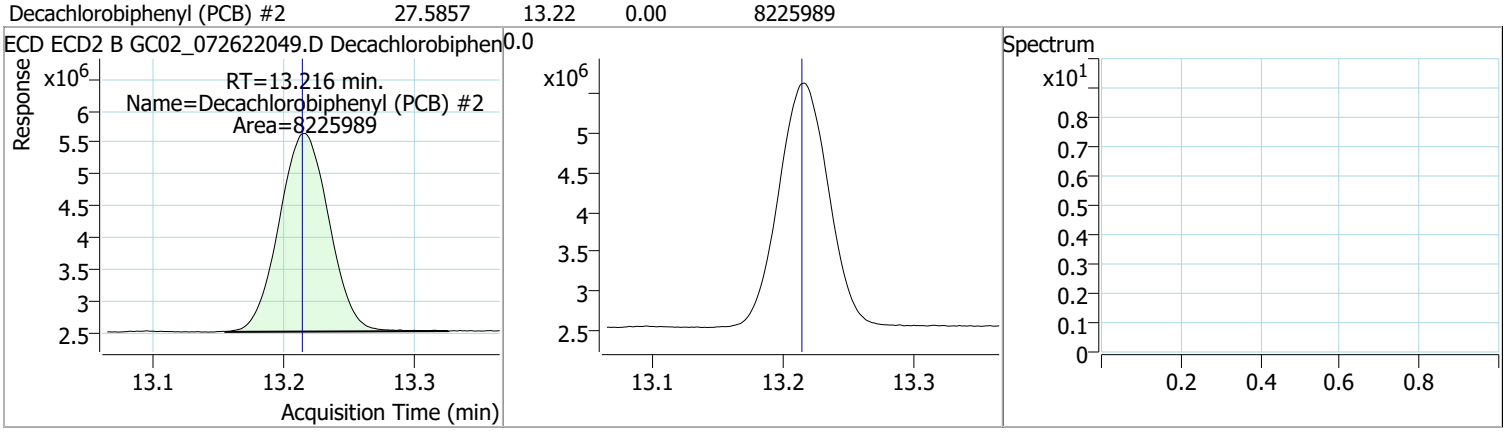
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	651.1964	11.72	0.00	12497246				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	26.8626	12.02	0.00	142639621				

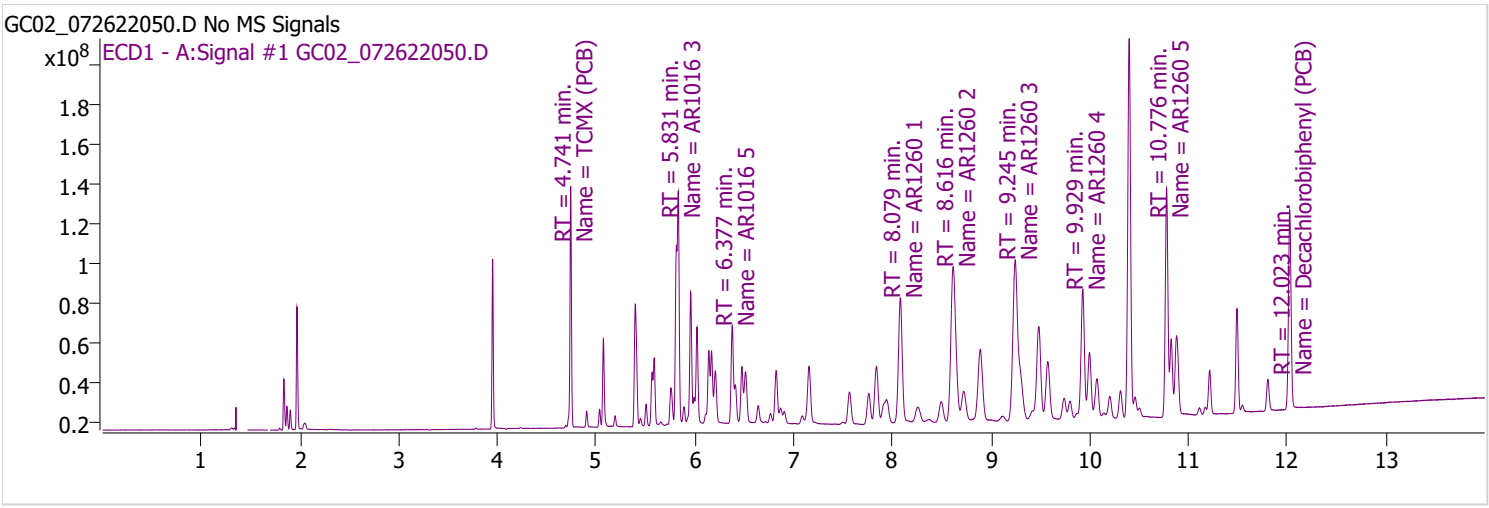


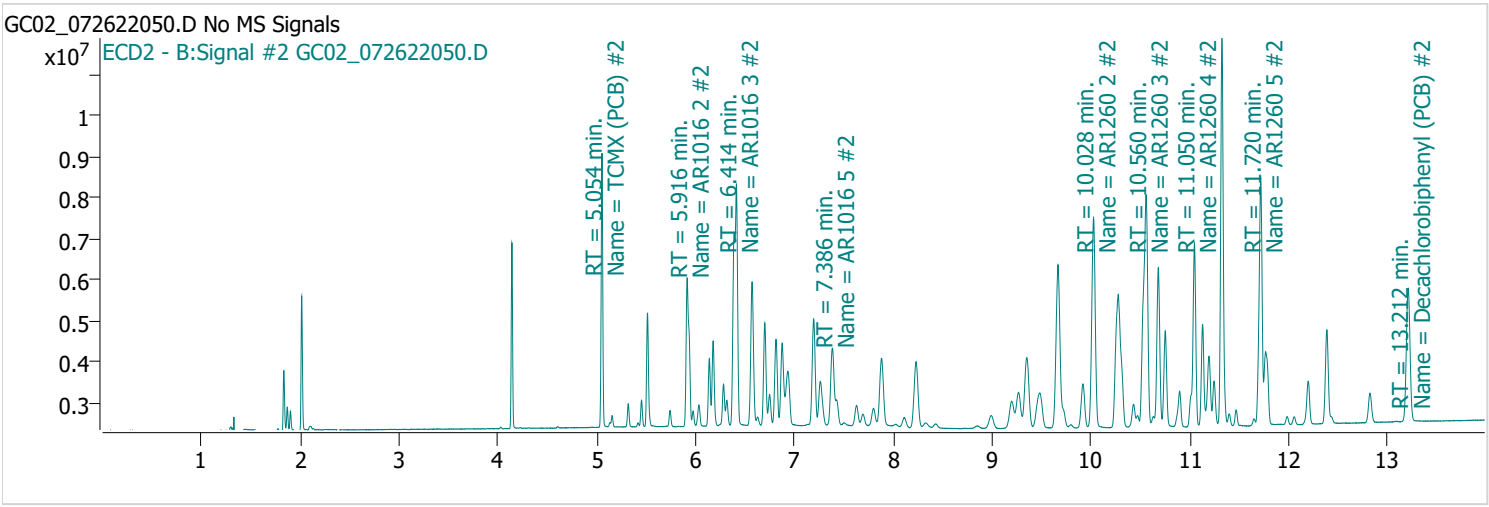
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	27.5857	13.22	0.00	8225989				



Quantitation Results Report (Not Reviewed)

Data File	GC02_072622050.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	7/27/2022 9:50:05 AM
Sample Name	ICAL, S17023, 2, S17010, 250	Instrument	SVOA-GC02
Vial	87	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_1.m	Comment	1000PPB PCB ICAL 7
Tune File	ATUNE.U	Tune Date	
Batch Name	072622PCBICAL.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



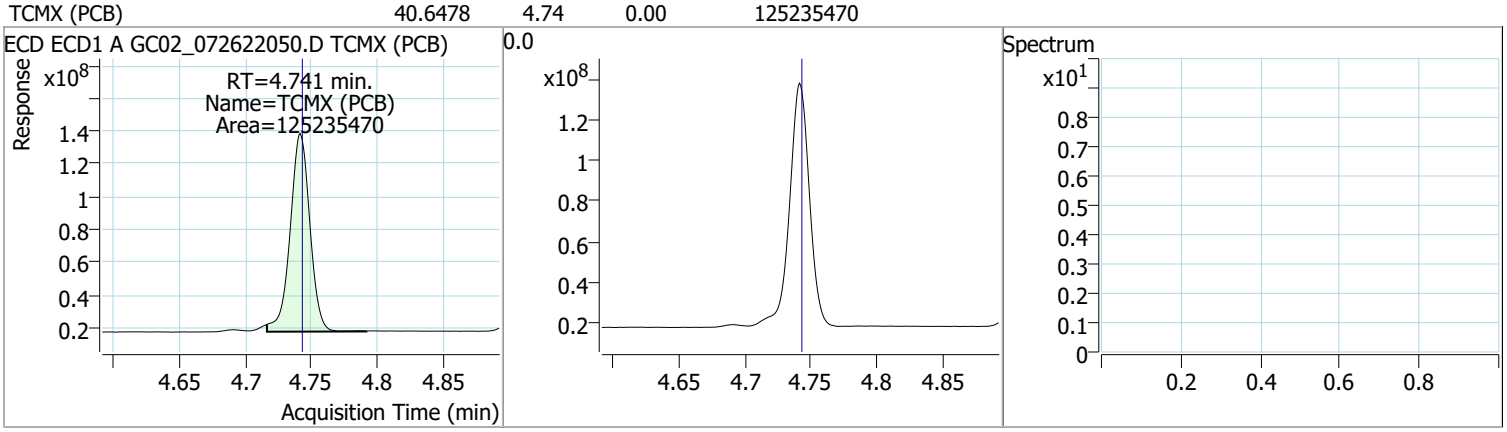


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.951	0.0	79022247.446	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.142	0.0	4259026.012	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB)	4.741	0.0	125235470.481	40.6478	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 203.24%		*	
S TCMX (PCB) #2	5.054	0.0	7381199.022	37.9289	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 189.64%		*	
S Decachlorobiphenyl (PCB)	12.023	0.0	183465471.298	49.6033	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 248.02%		*	
S Decachlorobiphenyl (PCB) #2	13.212	0.0	8568220.961	39.3826	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 196.91%		*	
Target Compounds							QValue

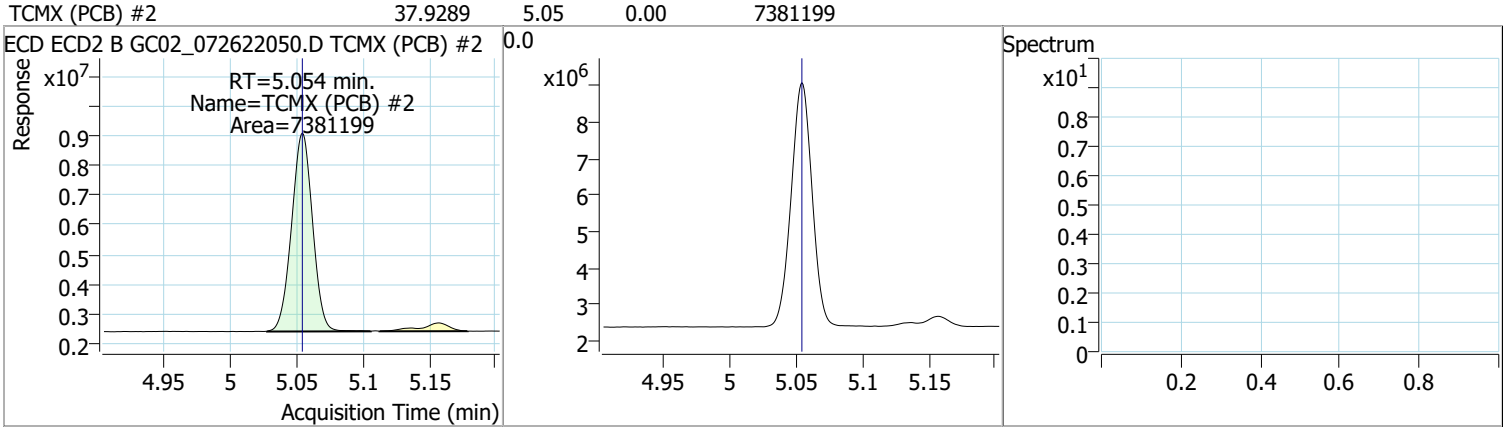
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.072	0.0	52020259.104	1002.8476	ng/ml		100
T AR1016 2	5.396	0.0	101749960.722	1016.0363	ng/ml		100
T AR1016 1 #2	5.515	0.0	3738112.773	931.5214	ng/ml		100
T AR1016 3	5.831	0.0	161942140.913	1029.6407	ng/ml	m	100
T AR1016 2 #2	5.916	0.0	7683135.796	933.5828	ng/ml		100
T AR1016 4	5.956	0.0	90737296.145	986.0703	ng/ml		100
T AR1016 5	6.377	0.0	79928660.631	991.5305	ng/ml		100
T AR1016 3 #2	6.414	0.0	9407251.355	922.5815	ng/ml	m	100
T AR1016 4 #2	6.573	0.0	6734957.720	933.3904	ng/ml		100
T AR1016 5 #2	7.386	0.0	5679784.899	967.0391	ng/ml		100
T AR1260 1	8.079	0.0	166839675.733	1030.1211	ng/ml		100
T AR1260 2	8.616	0.0	268041889.086	1067.7273	ng/ml		100
T AR1260 3	9.245	0.0	282972292.660	956.1346	ng/ml		100
T AR1260 1 #2	9.668	0.0	11594593.262	959.8174	ng/ml		100
T AR1260 4	9.929	0.0	144084977.763	1075.5454	ng/ml		100
T AR1260 2 #2	10.028	0.0	12461939.708	942.7800	ng/ml		100
T AR1260 3 #2	10.560	0.0	16686653.062	954.6031	ng/ml		100
T AR1260 5	10.776	0.0	211237891.182	1084.1510	ng/ml		100
T AR1260 4 #2	11.050	0.0	8281380.393	848.8174	ng/ml		100
T AR1260 5 #2	11.720	0.0	12989614.489	927.7083	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

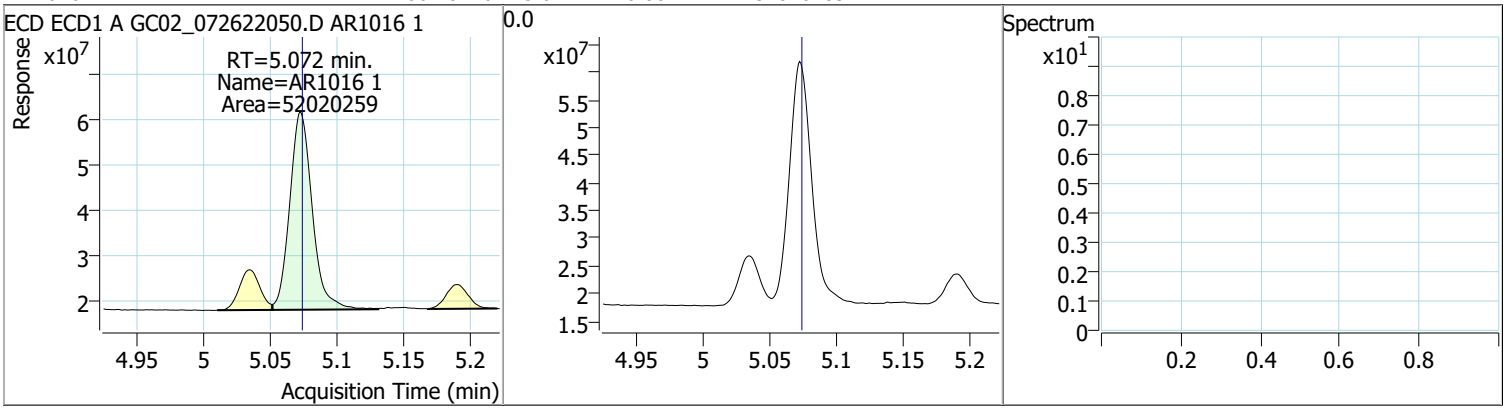
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	40.6478	4.74	0.00	125235470				



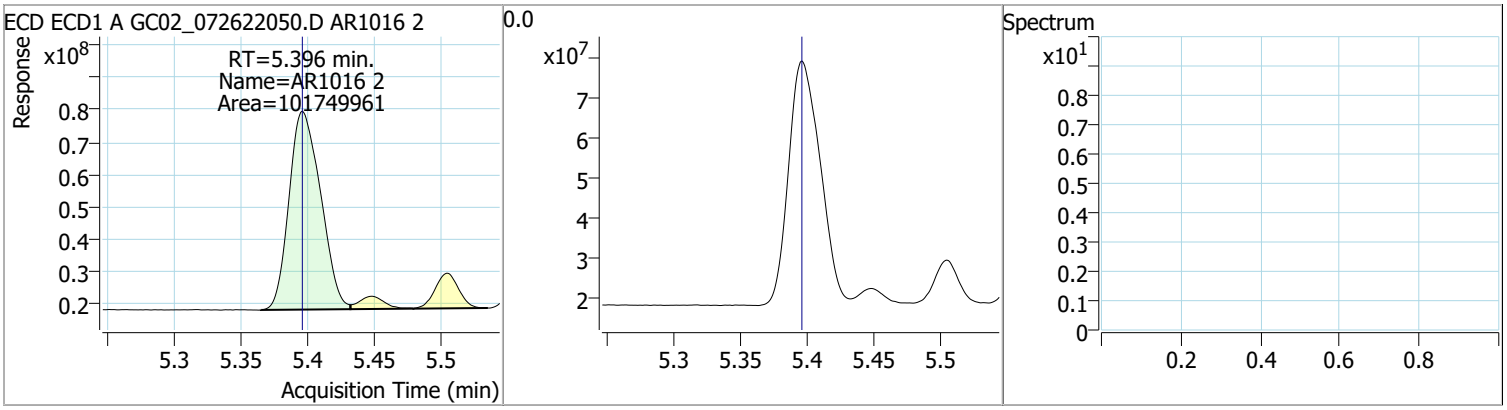
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.9289	5.05	0.00	7381199				



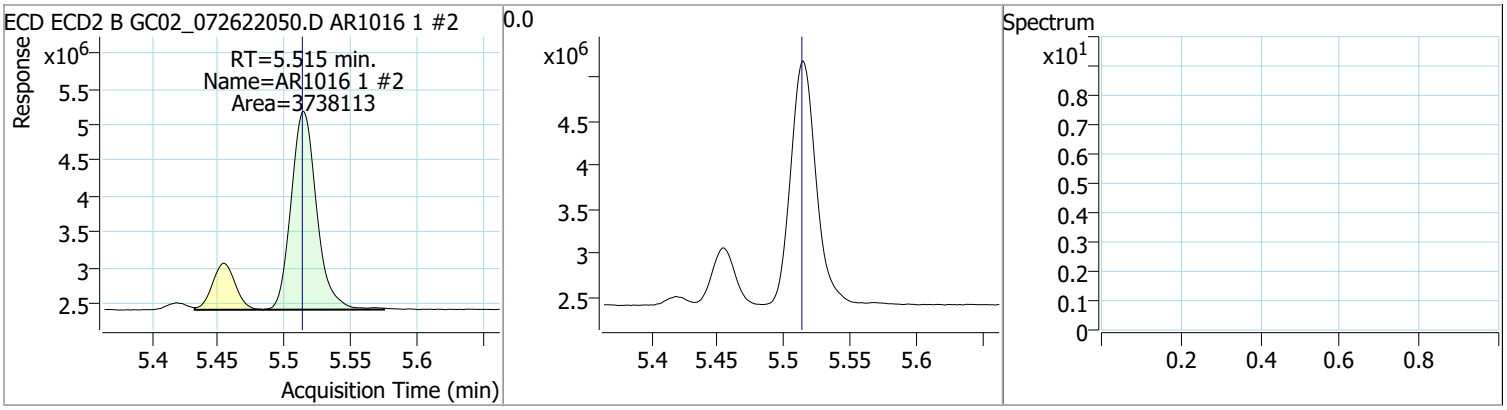
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1002.8476	5.07	0.00	52020259				



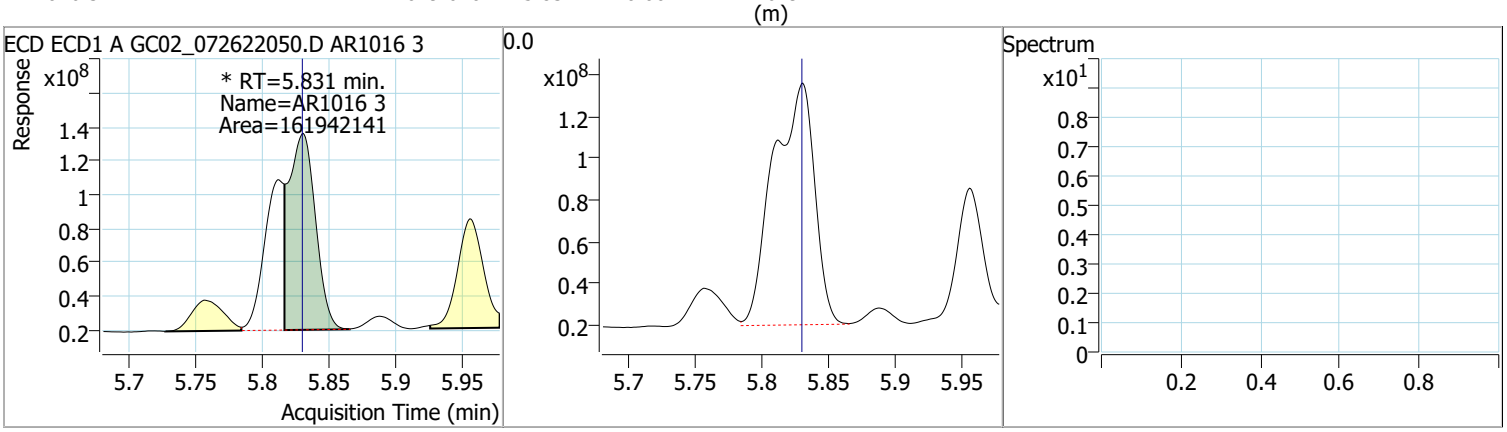
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1016.0363	5.40	0.00	101749961				



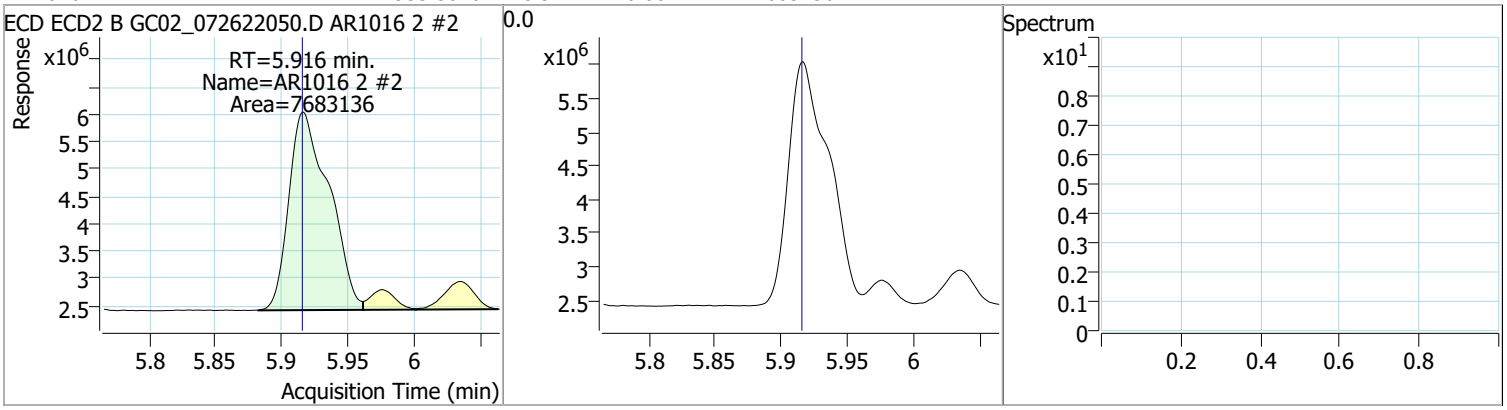
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	931.5214	5.51	0.00	3738113				



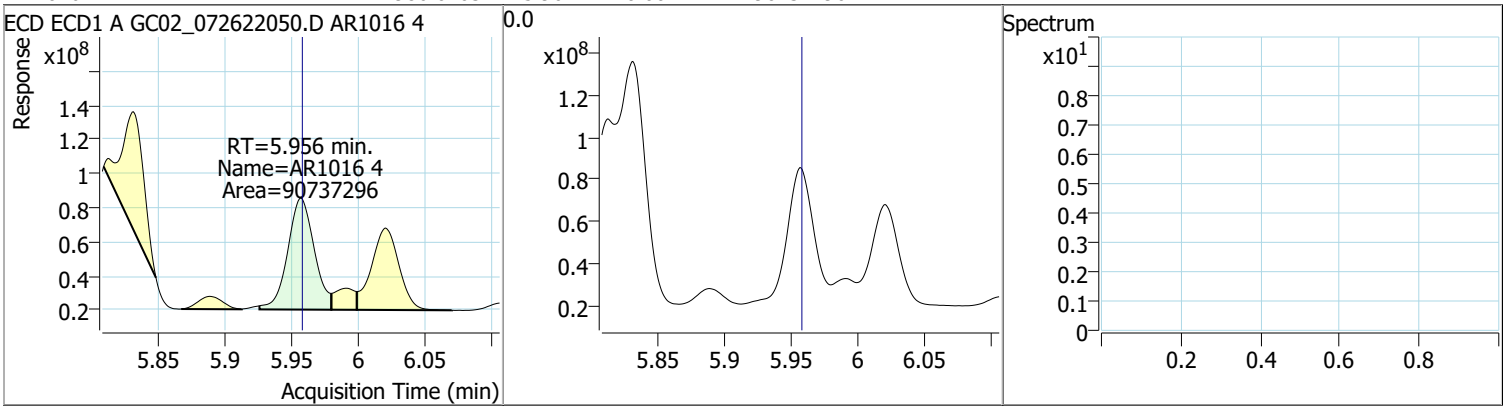
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1029.6407	5.83	0.00	161942141 (m)				



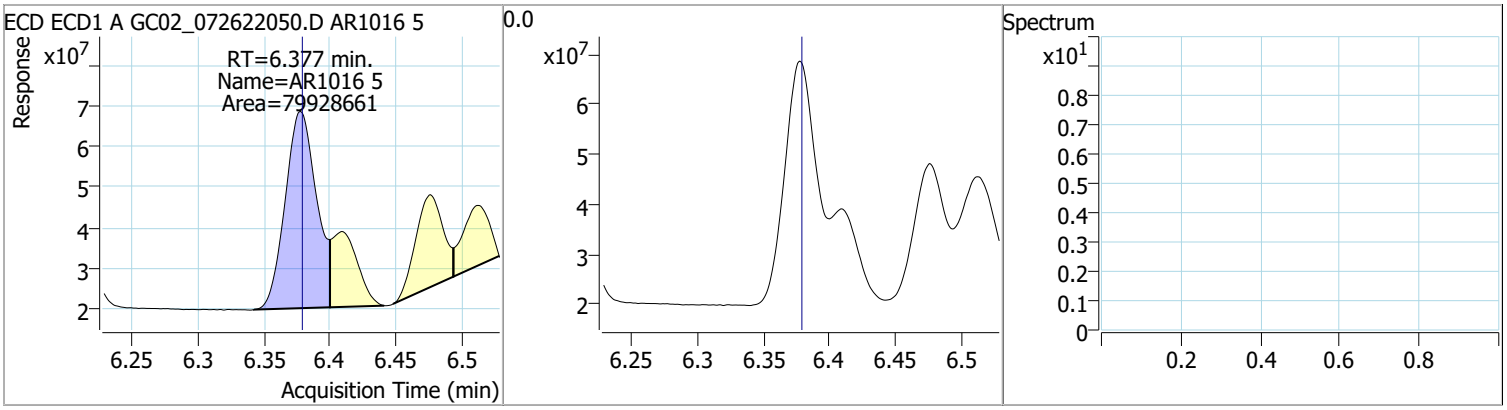
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	933.5828	5.92	0.00	7683136				



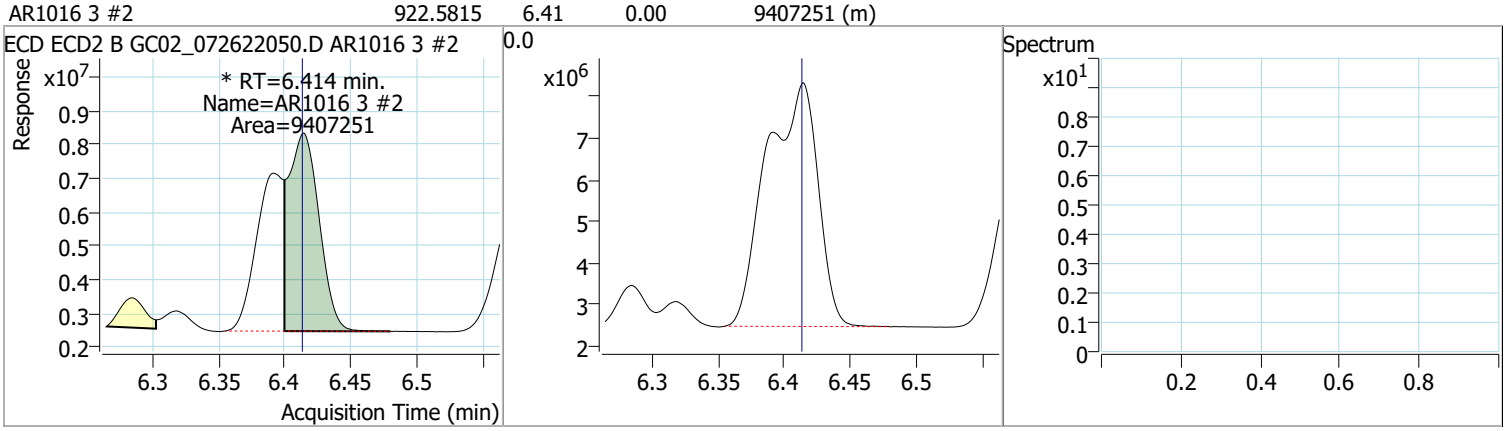
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	986.0703	5.96	0.00	90737296				



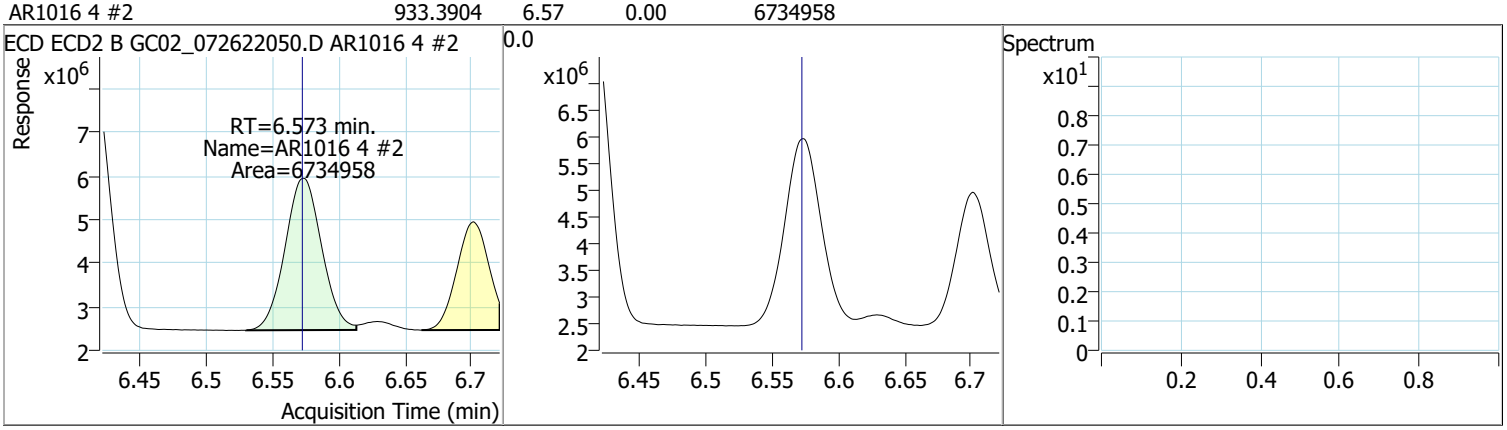
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	991.5305	6.38	0.00	79928661				



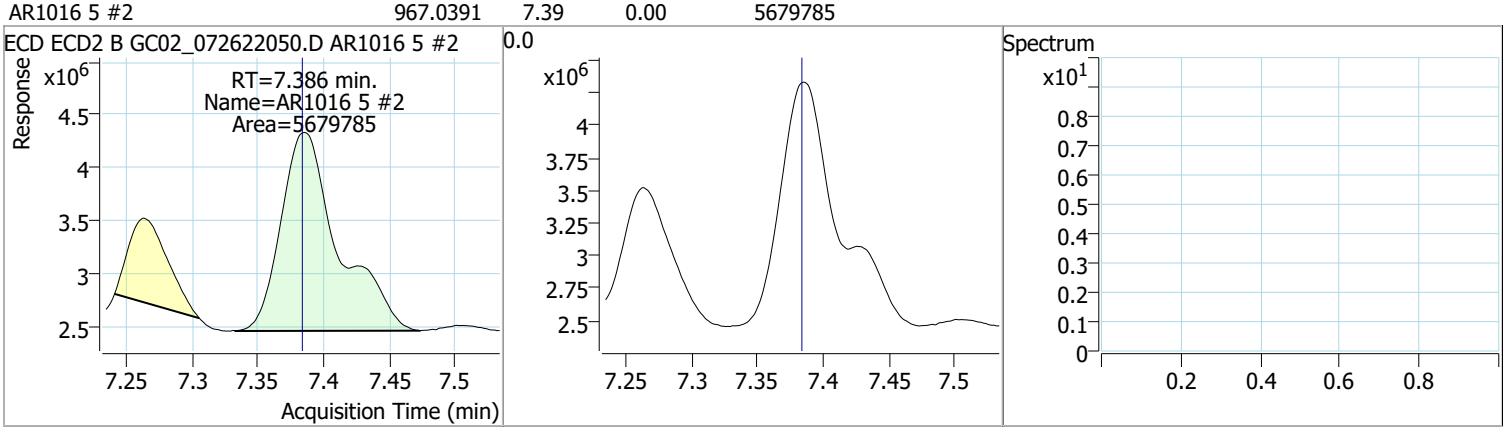
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	922.5815	6.41	0.00	9407251 (m)				



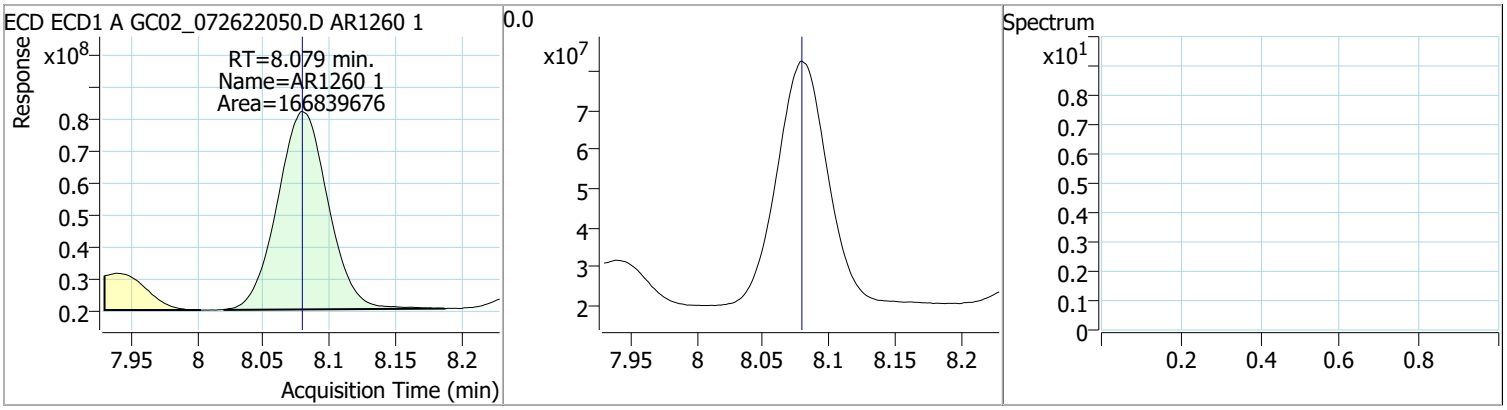
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	933.3904	6.57	0.00	6734958				



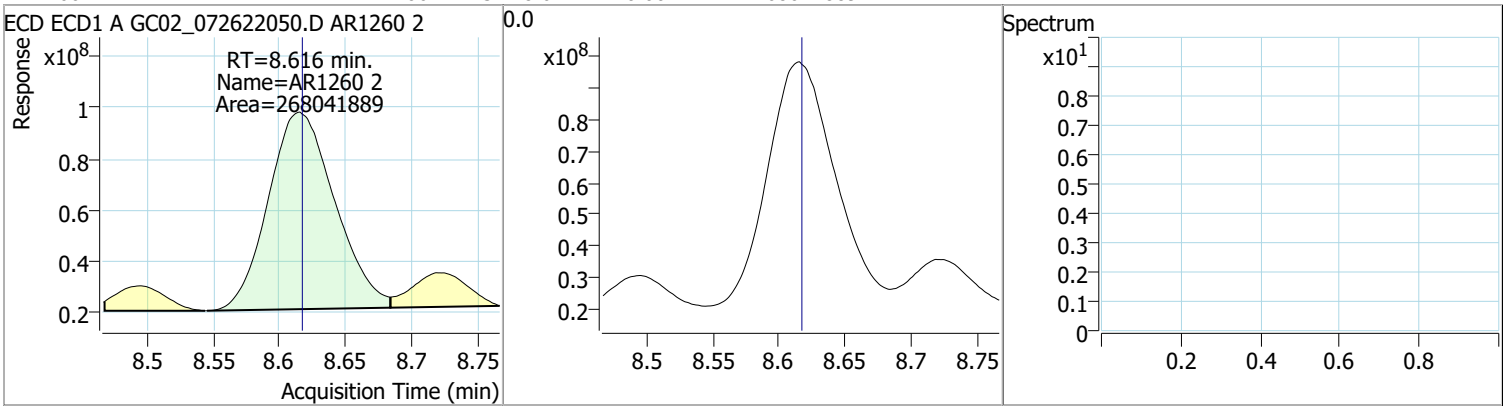
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	967.0391	7.39	0.00	5679785				



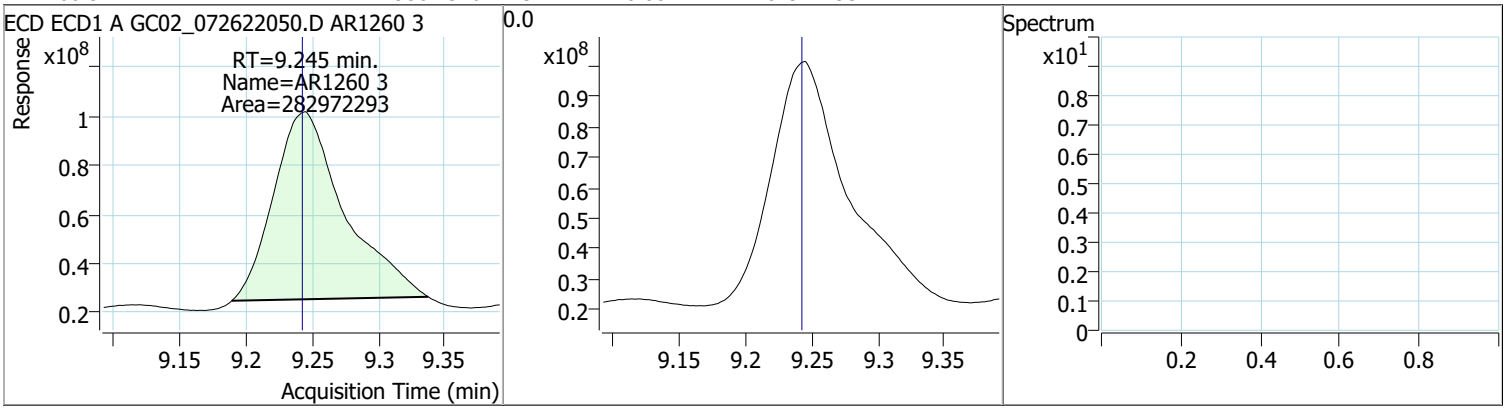
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1030.1211	8.08	0.00	166839676				



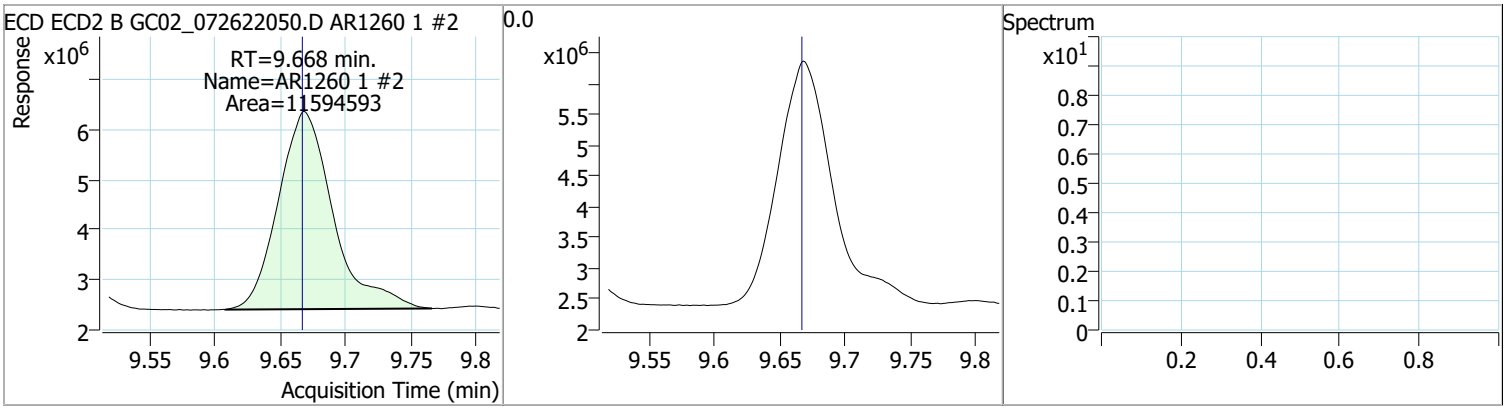
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1067.7273	8.62	0.00	268041889				



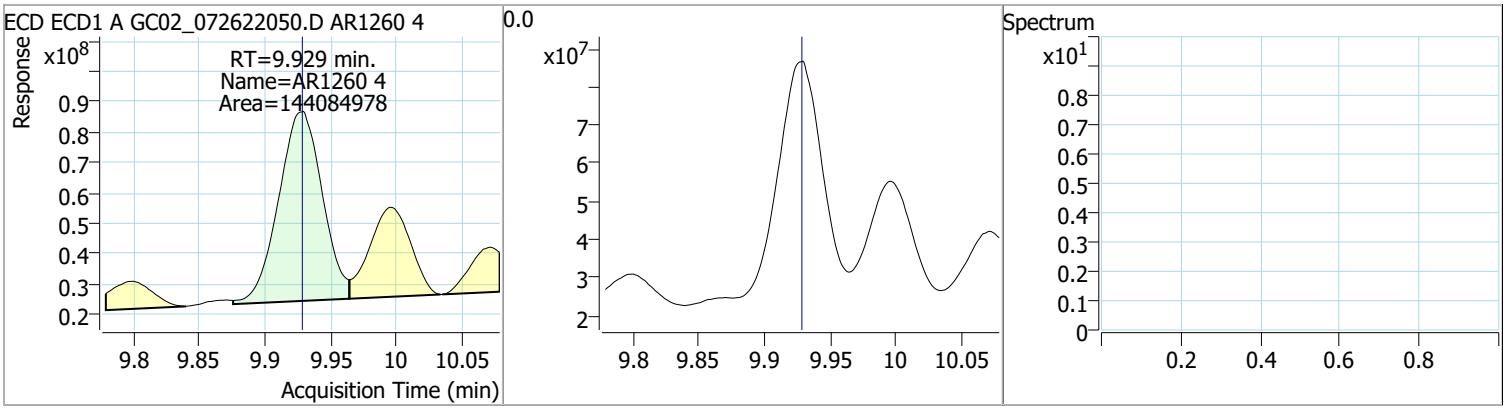
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	956.1346	9.24	0.00	282972293				



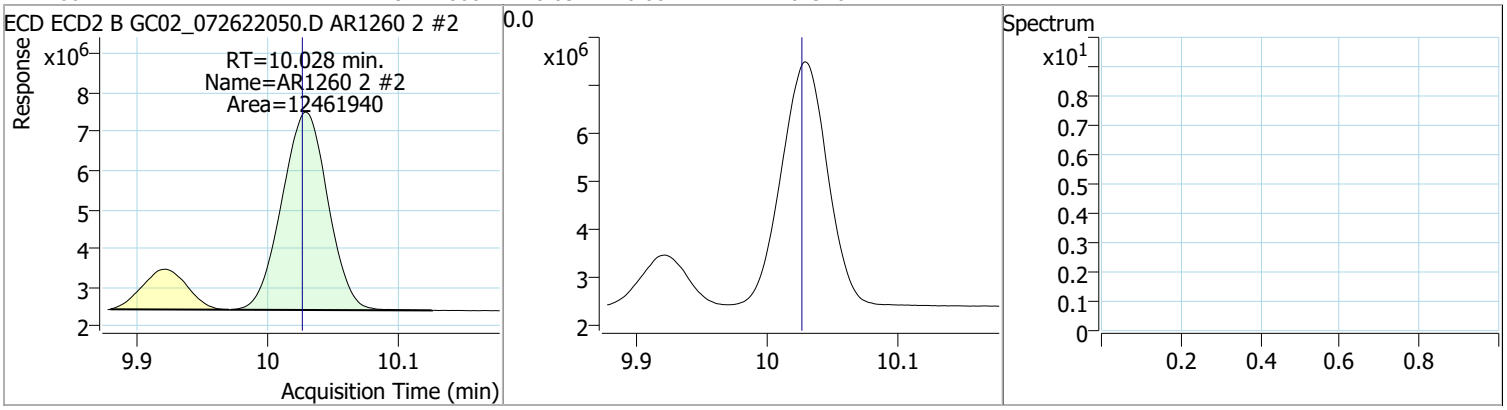
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	959.8174	9.67	0.00	11594593				



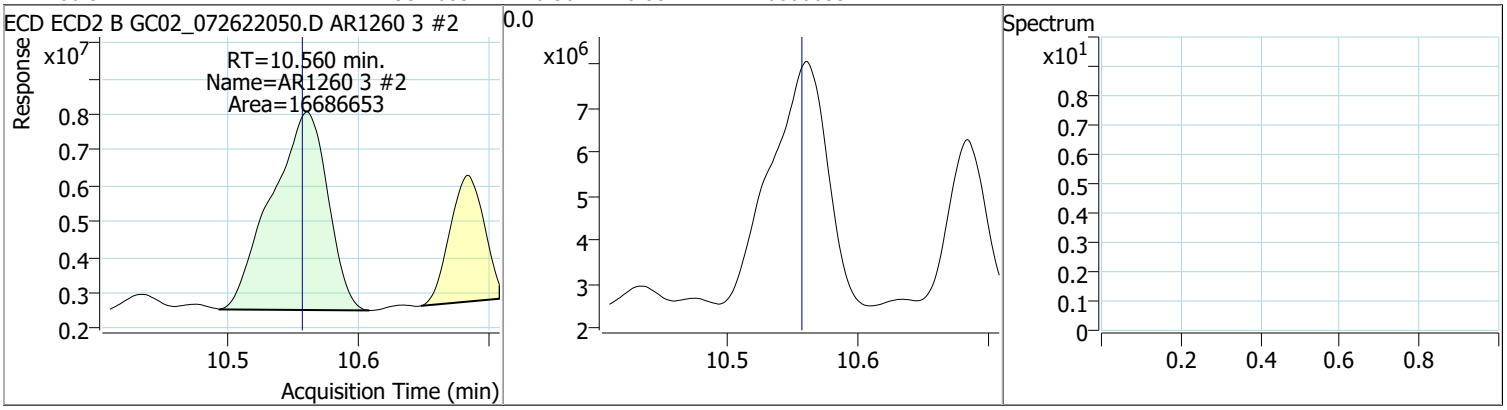
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1075.5454	9.93	0.00	144084978				



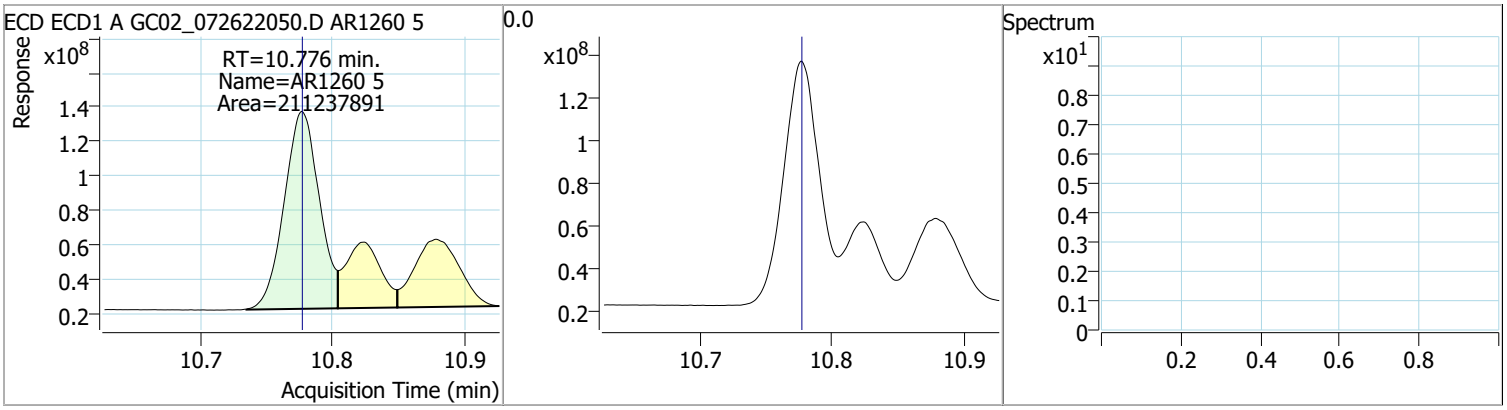
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	942.7800	10.03	0.00	12461940				



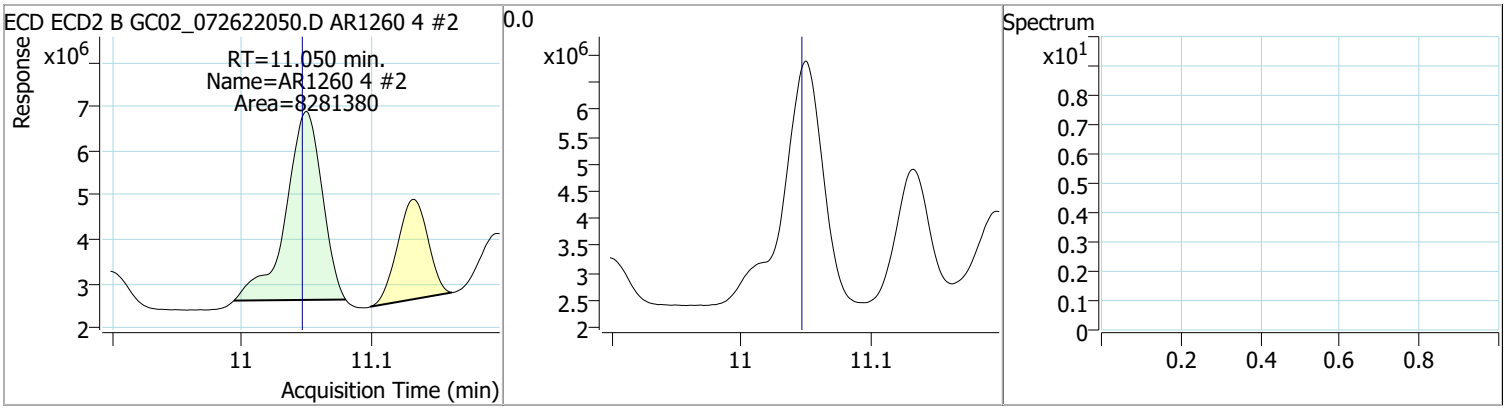
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	954.6031	10.56	0.00	16686653				



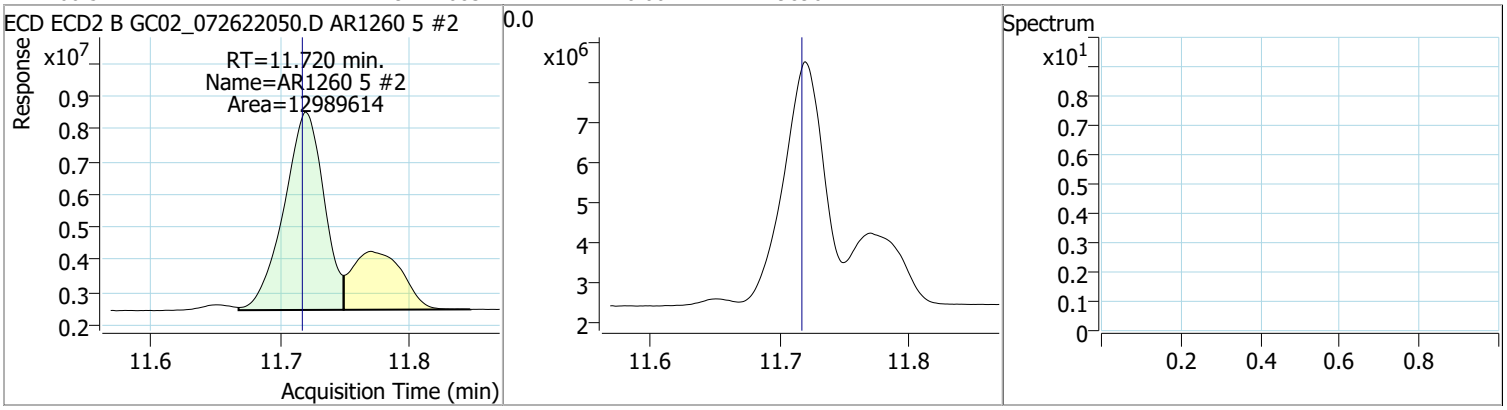
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1084.1510	10.78	0.00	211237891				



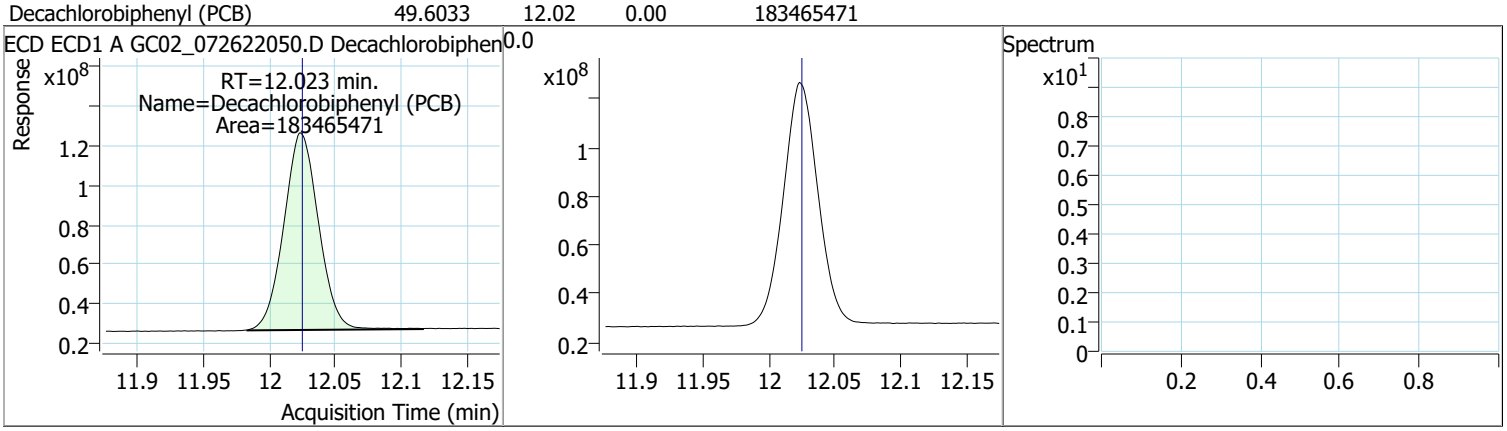
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	848.8174	11.05	0.00	8281380				



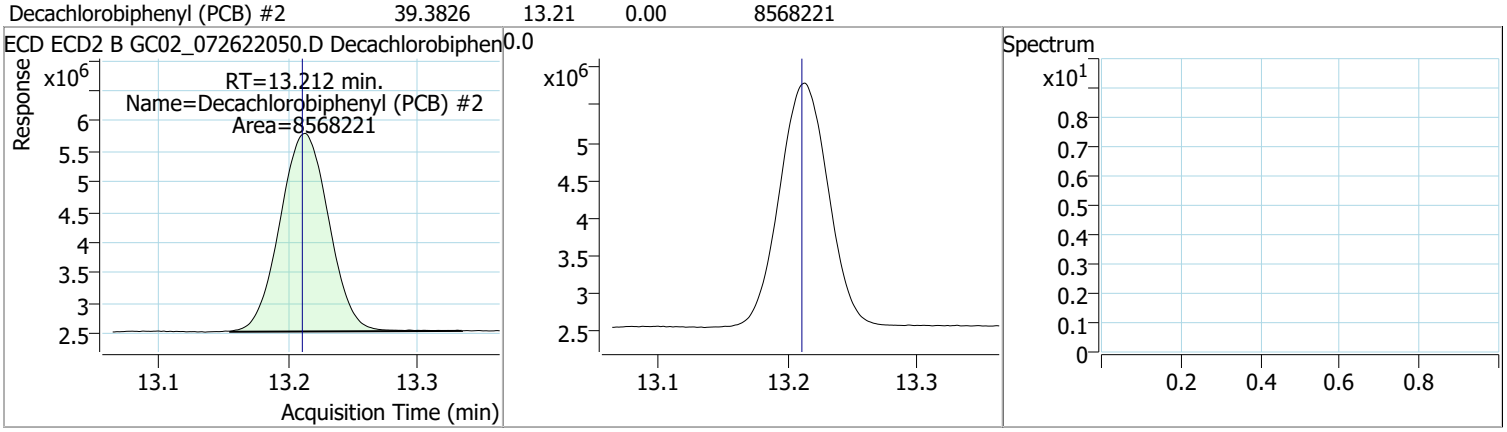
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	927.7083	11.72	0.00	12989614				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	49.6033	12.02	0.00	183465471				

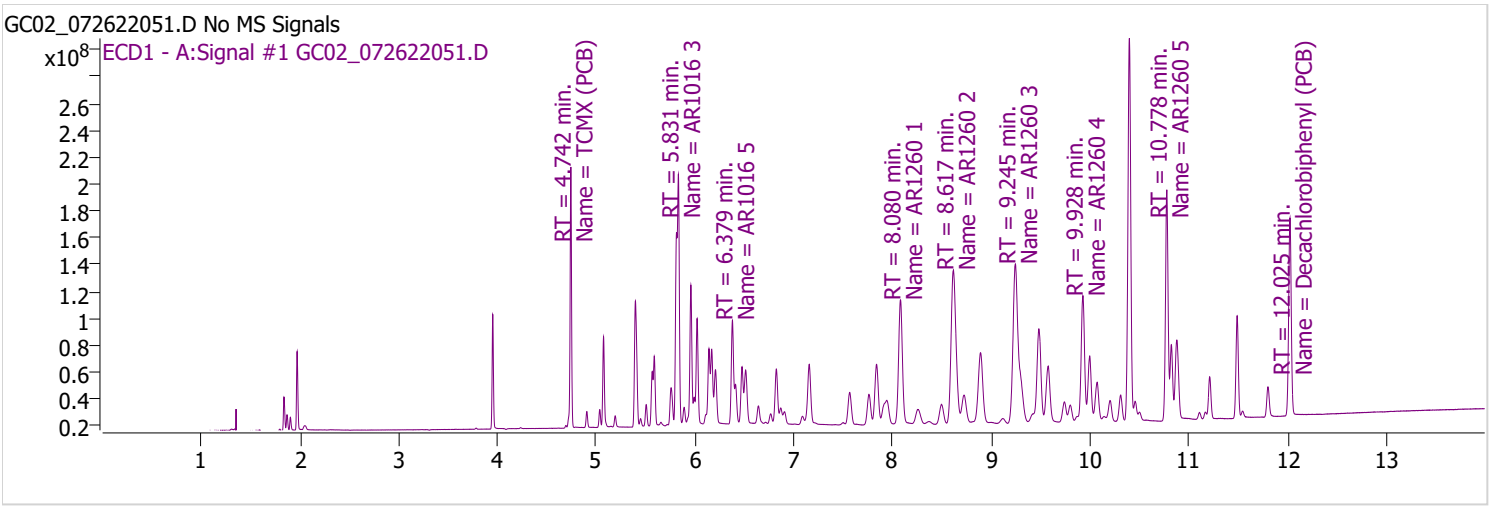


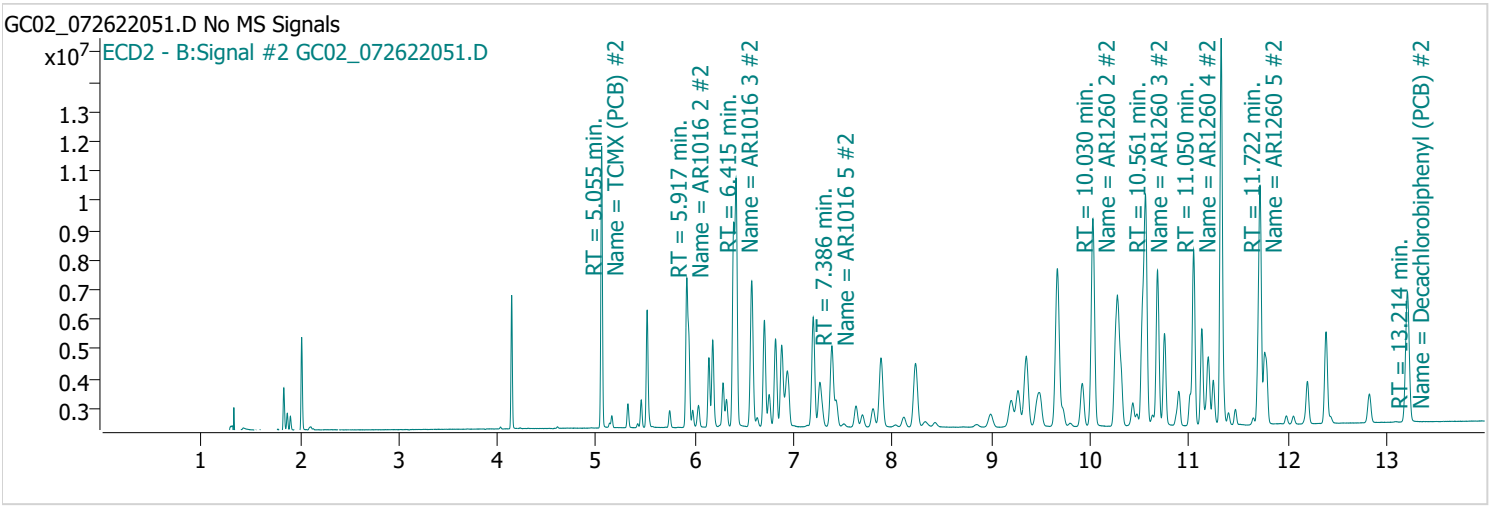
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	39.3826	13.21	0.00	8568221				



Quantitation Results Report (Not Reviewed)

Data File	GC02_072622051.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	7/27/2022 10:07:54 AM
Sample Name	ICAL, S17023, 1.33, S17010, 250	Instrument	SVOA-GC02
Vial	88	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_1.m	Comment	1500PPB PCB ICAL 8
Tune File	ATUNE.U	Tune Date	
Batch Name	072622PCBICAL.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



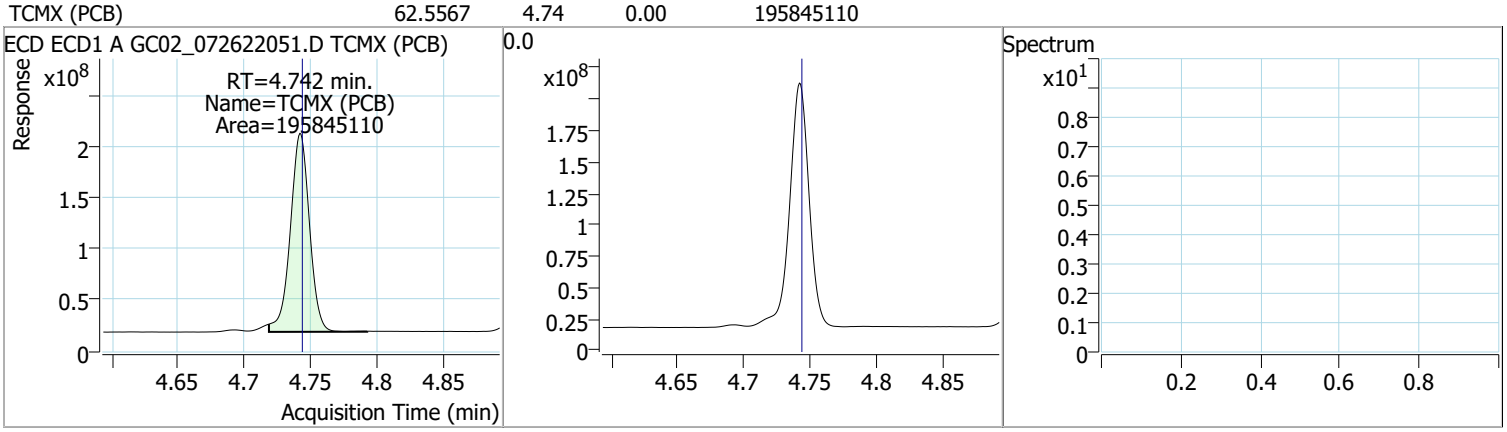


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.952	0.0	80296707.177	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.143	0.0	4233380.898	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.742	0.0	195845110.245	62.5567	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 312.78%		*	
S TCMX (PCB) #2	5.055	0.0	10615919.986	54.8812	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 274.41%		*	
S Decachlorobiphenyl (PCB)	12.025	0.0	270190641.723	71.8915	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 359.46%		*	
S Decachlorobiphenyl (PCB) #2	13.214	0.0	11550875.308	53.4135	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 267.07%		*	
Target Compounds							QValue

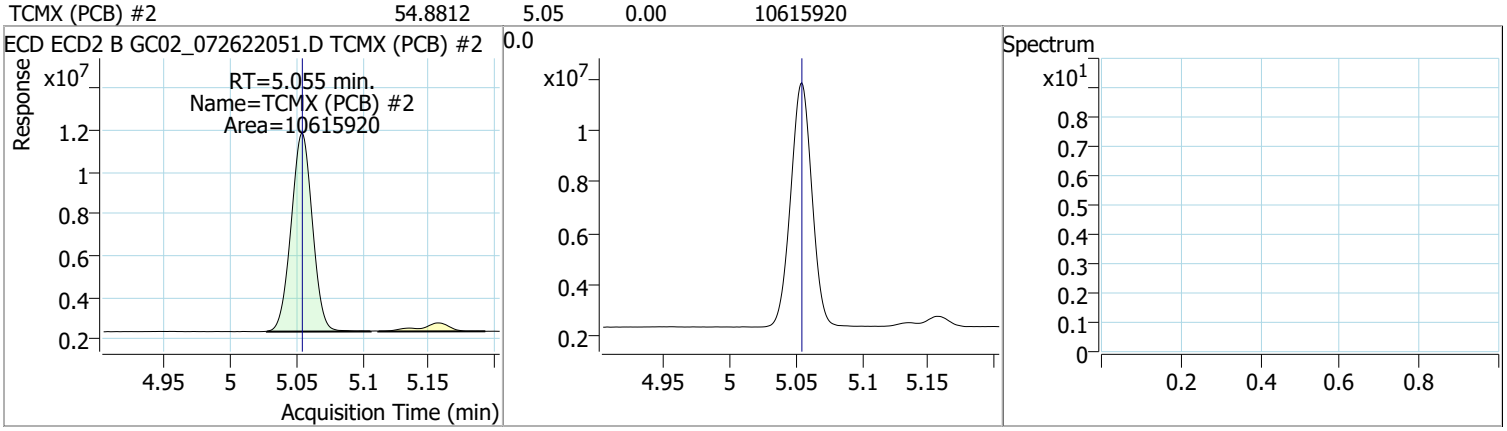
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.074	0.0	78172766.091	1483.0969	ng/ml		100
T AR1016 2	5.396	0.0	154049439.885	1513.8635	ng/ml		100
T AR1016 1 #2	5.515	0.0	5296408.786	1327.8374	ng/ml		100
T AR1016 3	5.831	0.0	253761379.437	1587.8263	ng/ml	m	100
T AR1016 2 #2	5.917	0.0	10788632.606	1318.8752	ng/ml		100
T AR1016 4	5.958	0.0	144104443.223	1541.1718	ng/ml		100
T AR1016 5	6.379	0.0	125102020.862	1527.2830	ng/ml		100
T AR1016 3 #2	6.415	0.0	13706774.651	1352.3846	ng/ml	m	100
T AR1016 4 #2	6.575	0.0	9723725.634	1355.7640	ng/ml		100
T AR1016 5 #2	7.386	0.0	8007410.487	1371.5991	ng/ml		100
T AR1260 1	8.080	0.0	247292143.535	1502.6260	ng/ml		100
T AR1260 2	8.617	0.0	390185428.335	1529.6088	ng/ml		100
T AR1260 3	9.245	0.0	483278847.200	1607.0321	ng/ml		100
T AR1260 1 #2	9.670	0.0	15749584.264	1311.6717	ng/ml		100
T AR1260 4	9.928	0.0	209923006.757	1542.1326	ng/ml		100
T AR1260 2 #2	10.030	0.0	16790908.030	1277.9735	ng/ml		100
T AR1260 3 #2	10.561	0.0	22721665.207	1307.7258	ng/ml		100
T AR1260 5	10.778	0.0	311285770.537	1572.2762	ng/ml		100
T AR1260 4 #2	11.050	0.0	12741022.337	1313.8288	ng/ml		100
T AR1260 5 #2	11.722	0.0	17559055.215	1261.6512	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

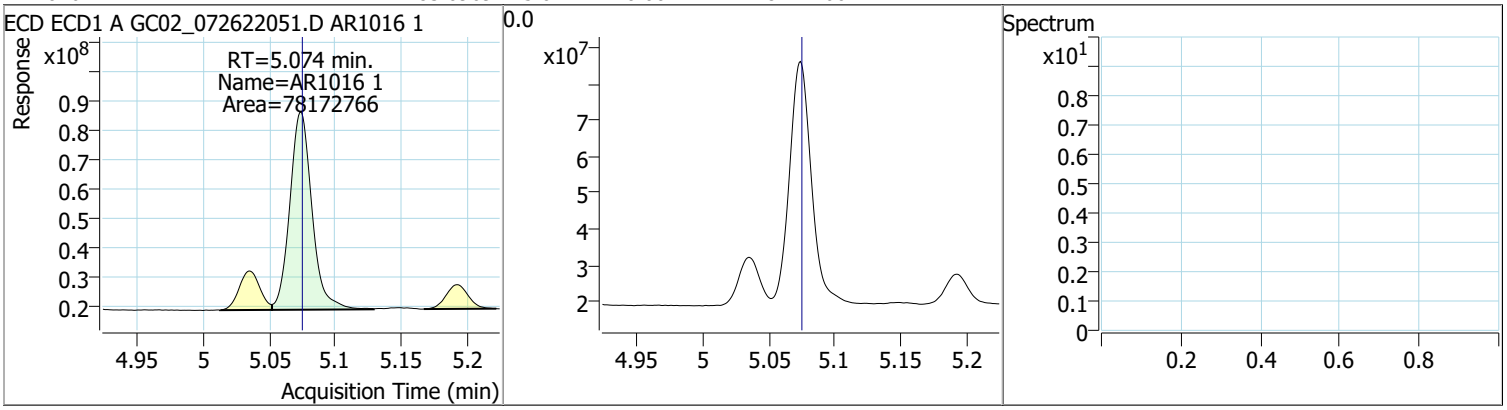
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	62.5567	4.74	0.00	195845110				



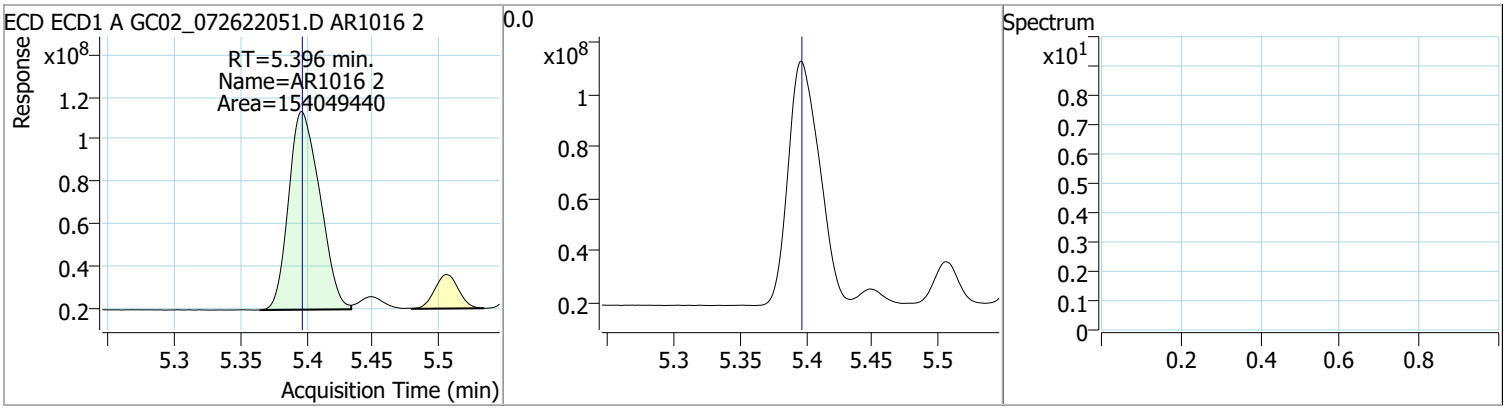
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	54.8812	5.05	0.00	10615920				



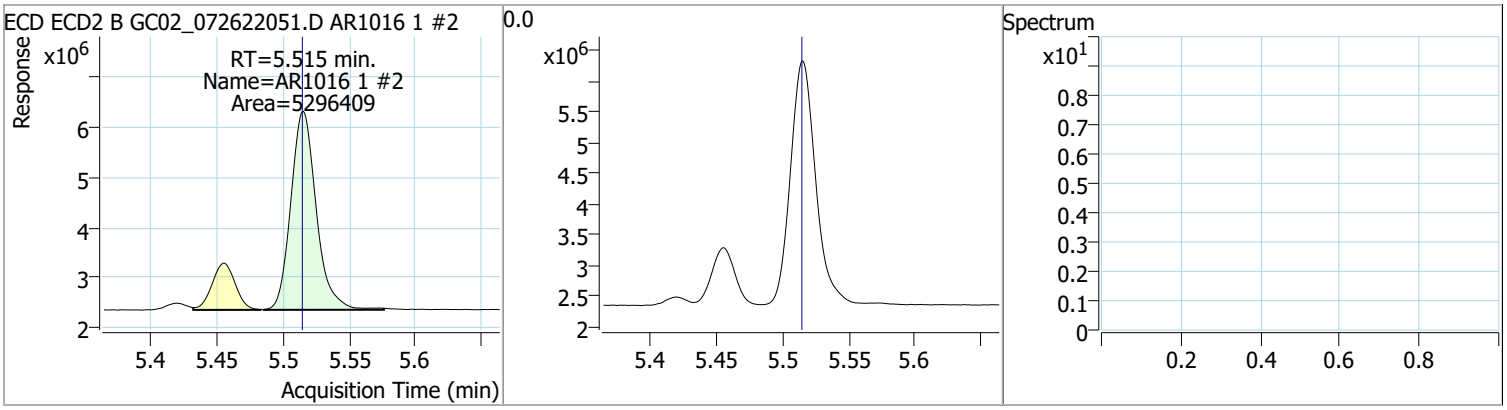
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1483.0969	5.07	0.00	78172766				



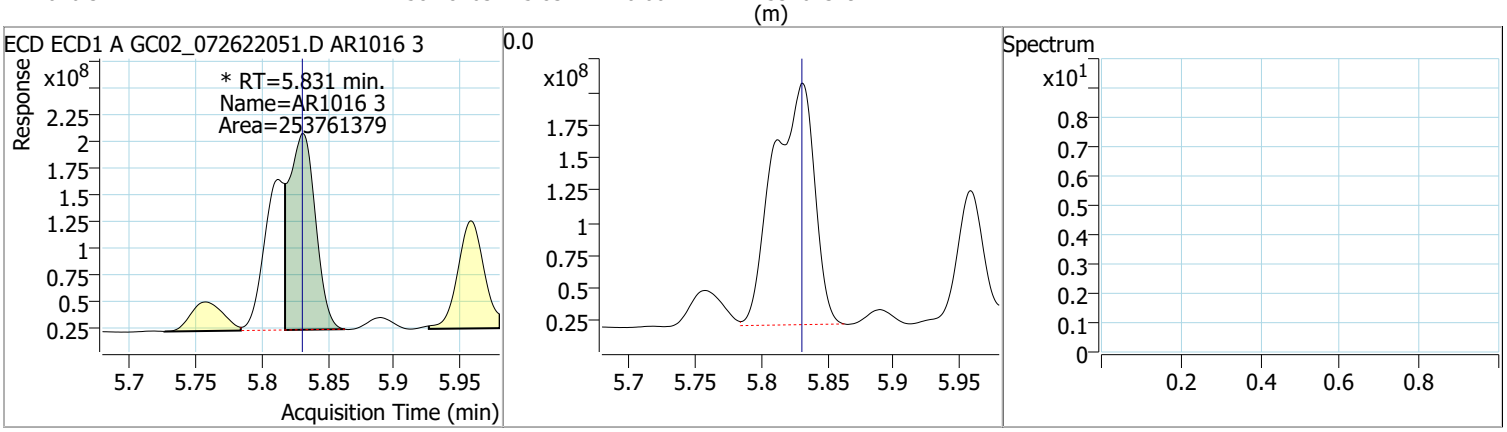
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1513.8635	5.40	0.00	154049440				



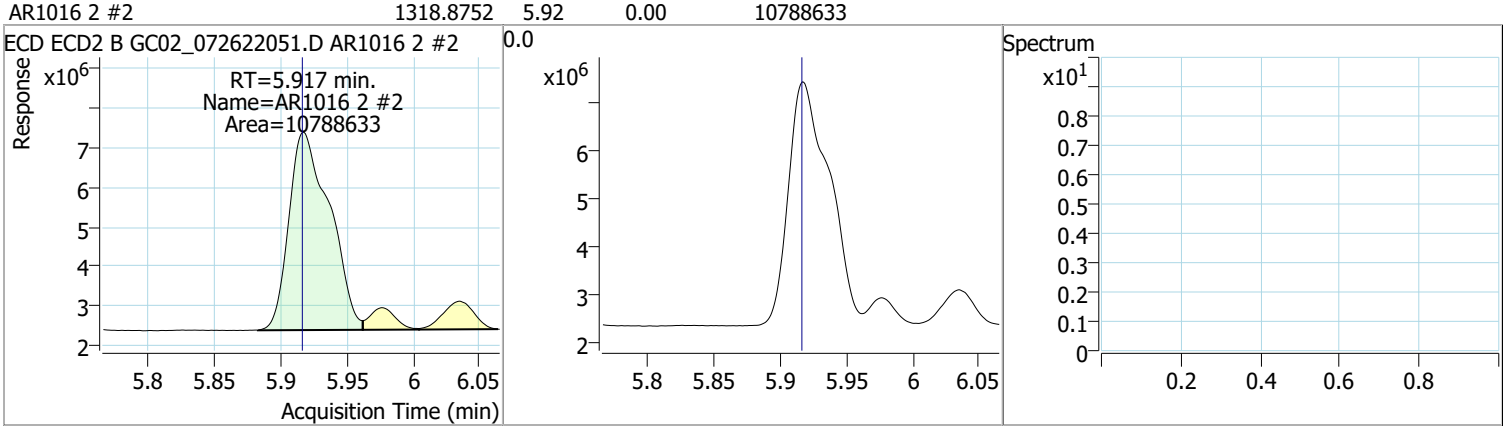
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1327.8374	5.52	0.00	5296409				



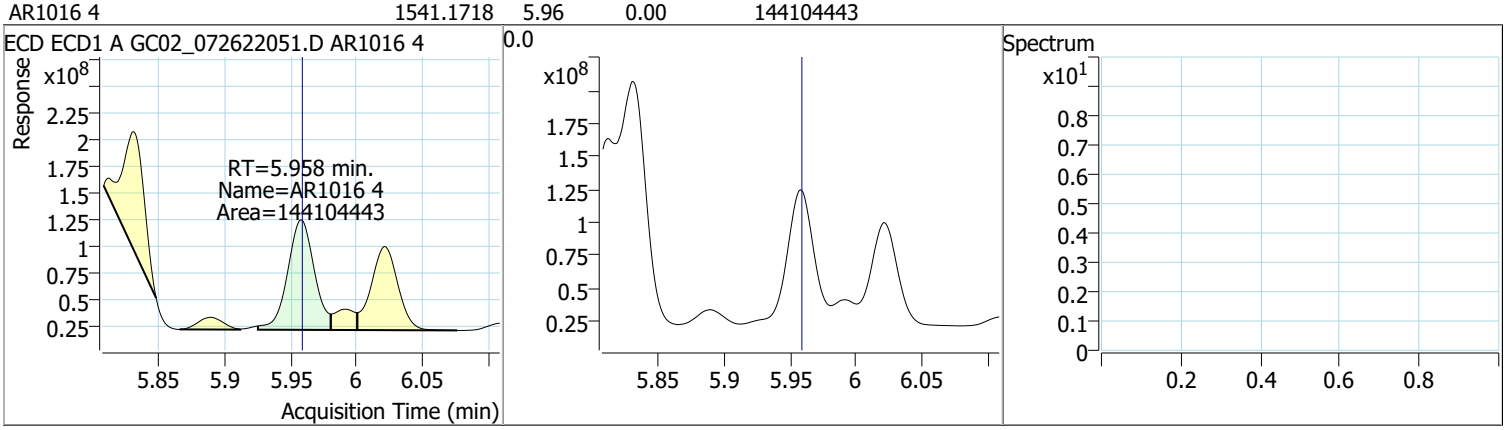
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1587.8263	5.83	0.00	253761379 (m)				



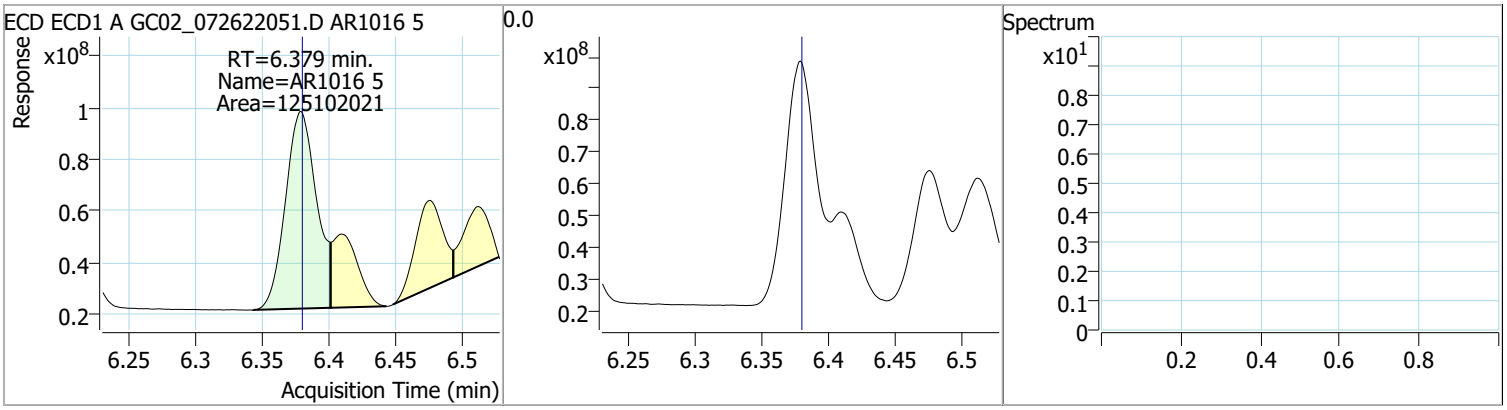
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1318.8752	5.92	0.00	10788633				



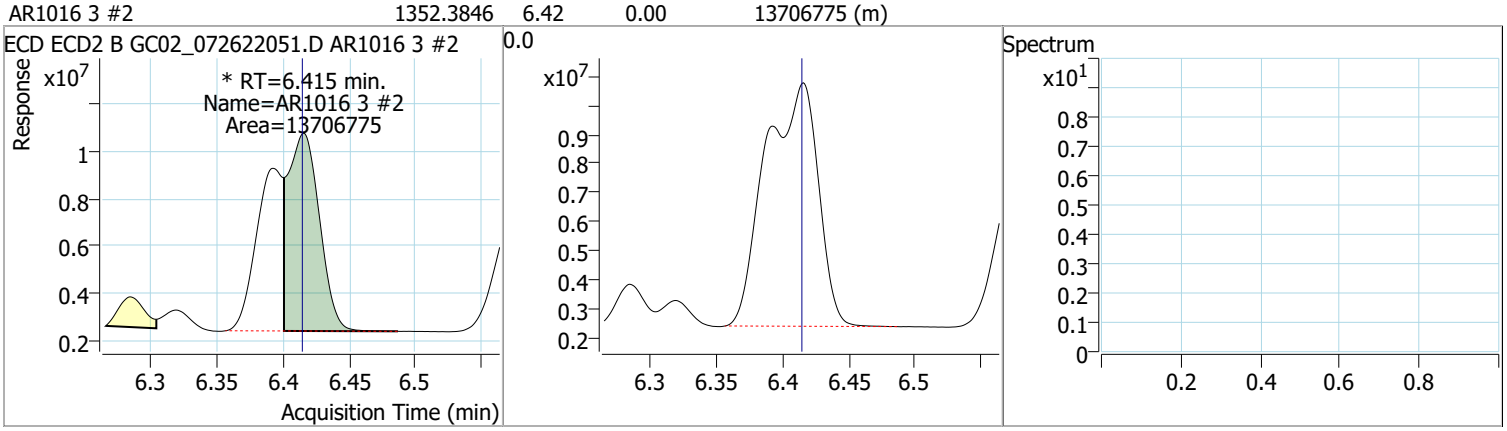
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1541.1718	5.96	0.00	144104443				



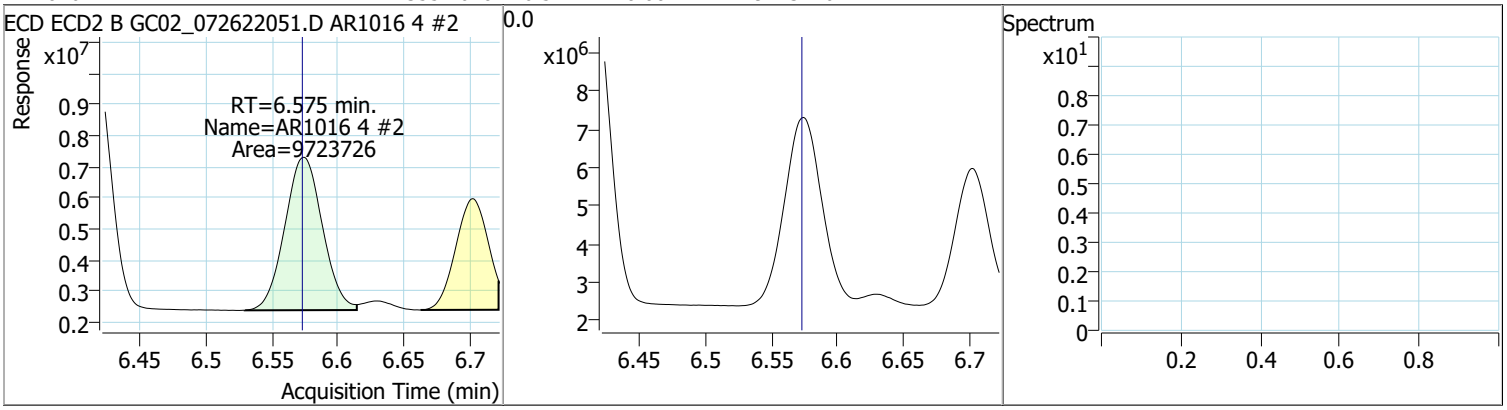
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1527.2830	6.38	0.00	125102021				



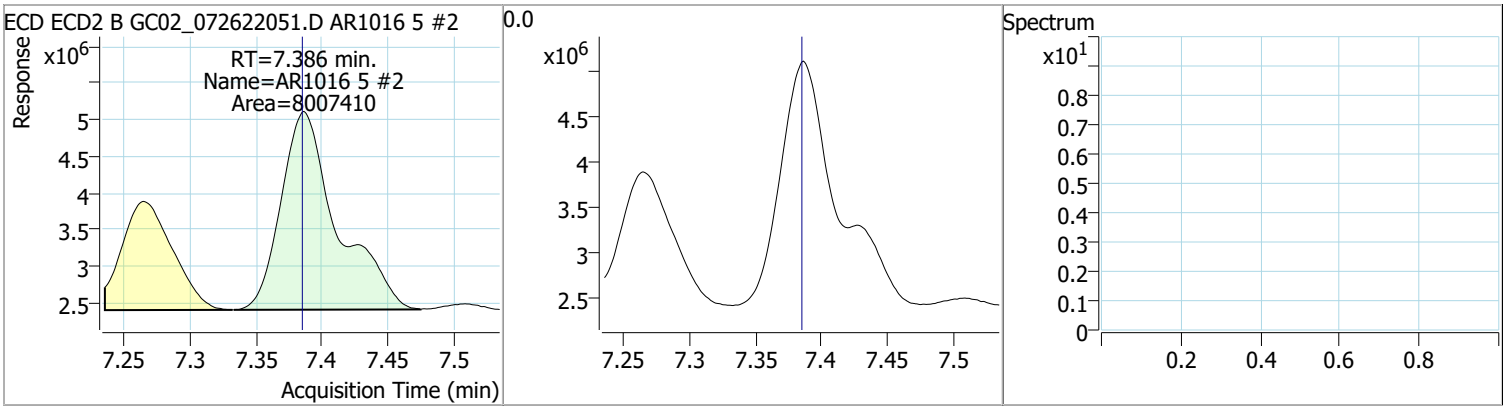
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1352.3846	6.42	0.00	13706775 (m)				



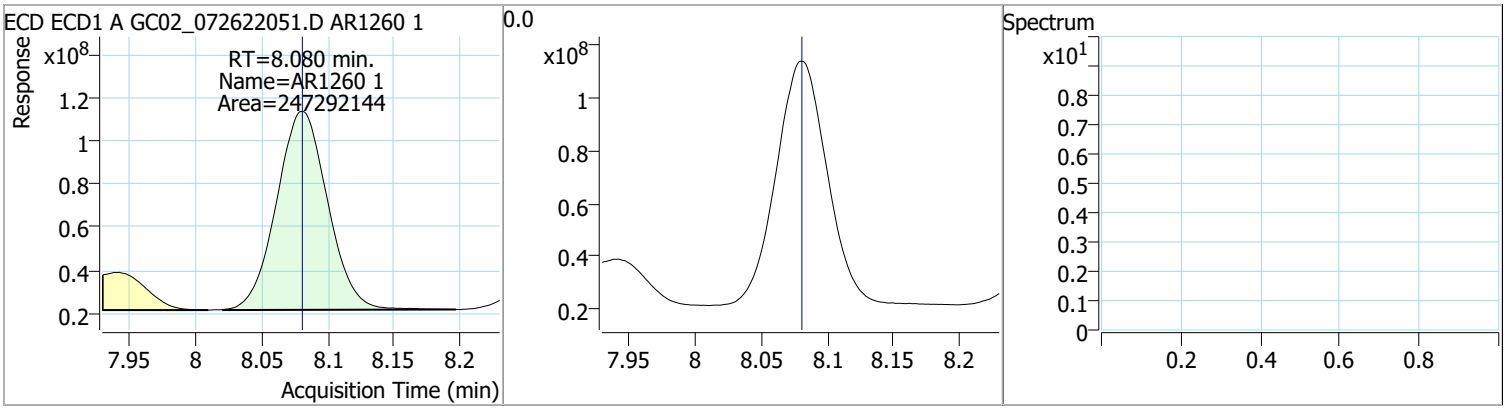
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1355.7640	6.57	0.00	9723726				



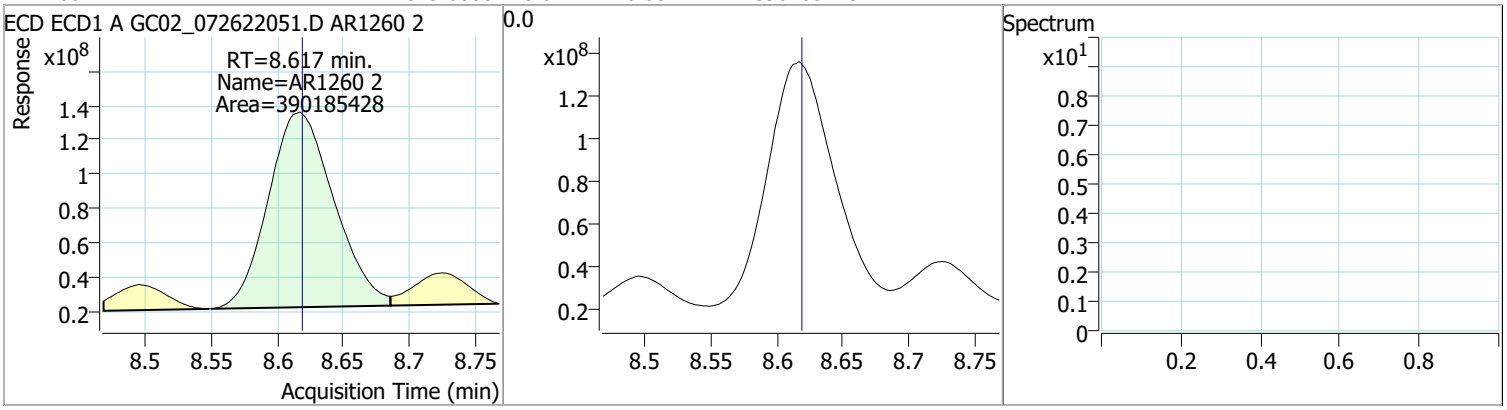
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1371.5991	7.39	0.00	8007410				



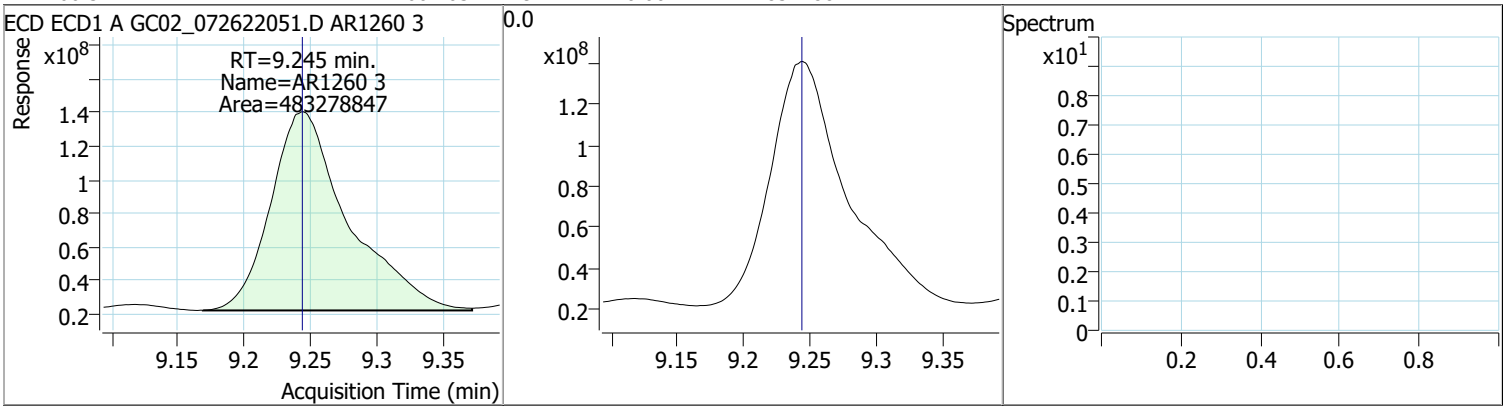
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1502.6260	8.08	0.00	247292144				



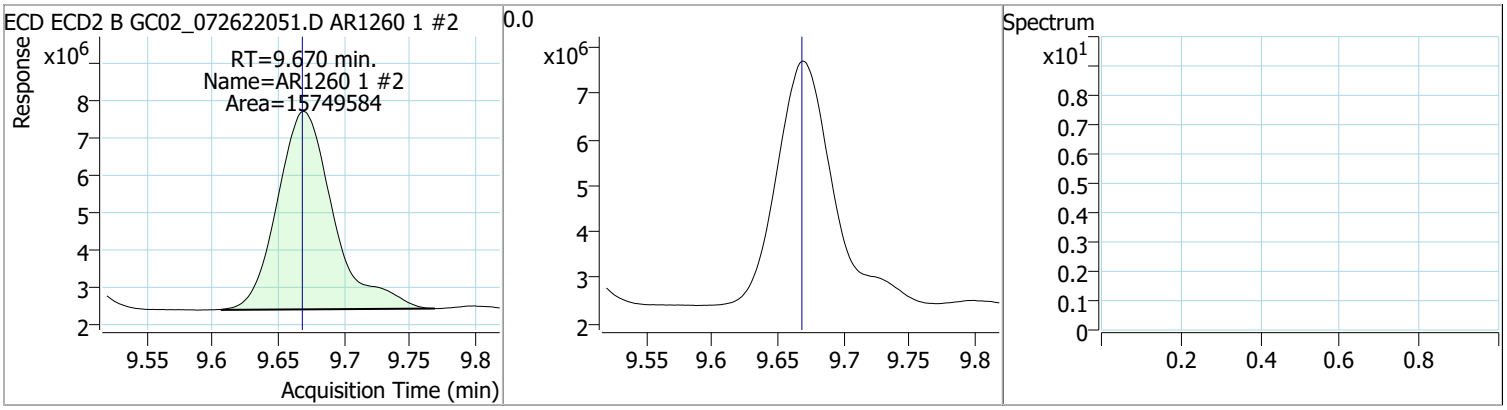
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1529.6088	8.62	0.00	390185428				



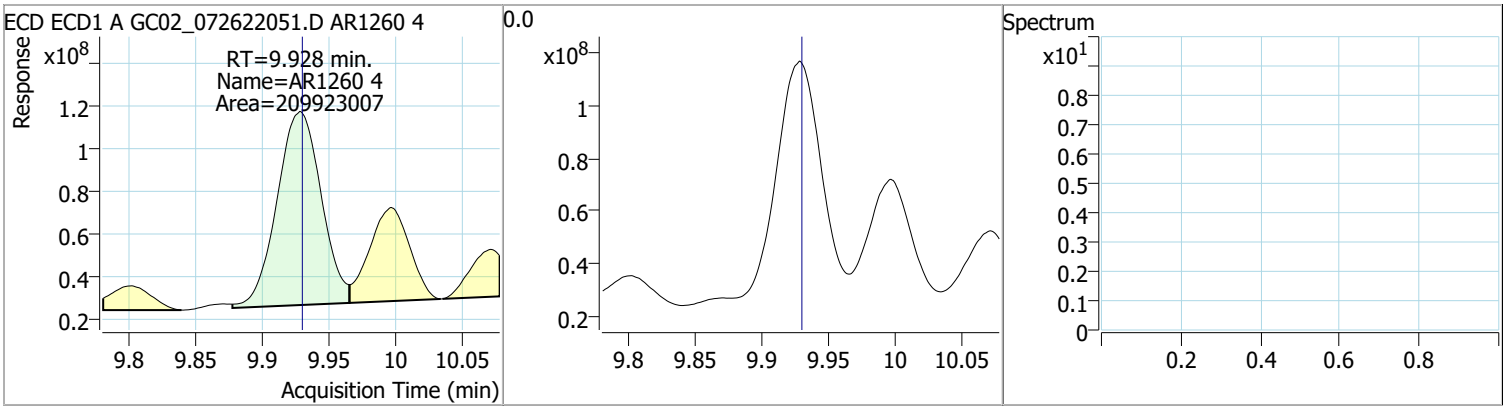
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1607.0321	9.24	0.00	483278847				



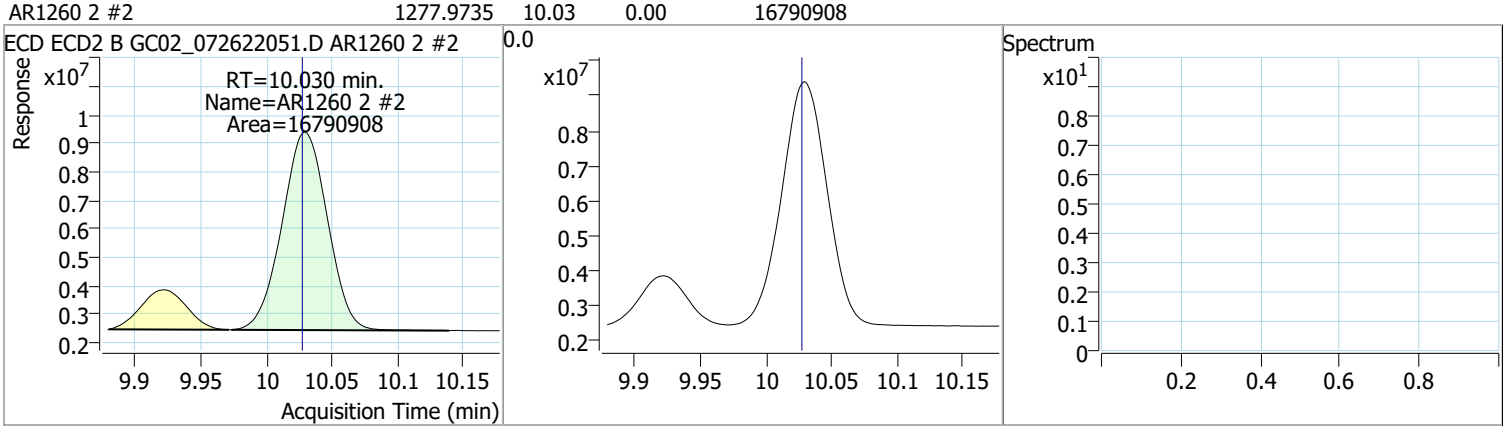
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1311.6717	9.67	0.00	15749584				



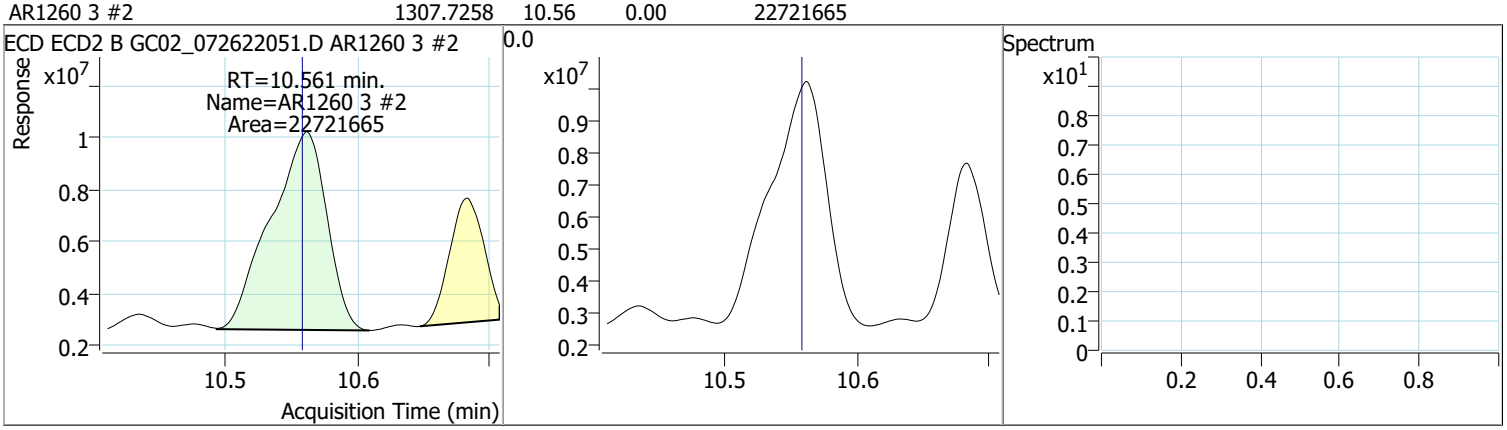
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1542.1326	9.93	0.00	209923007				



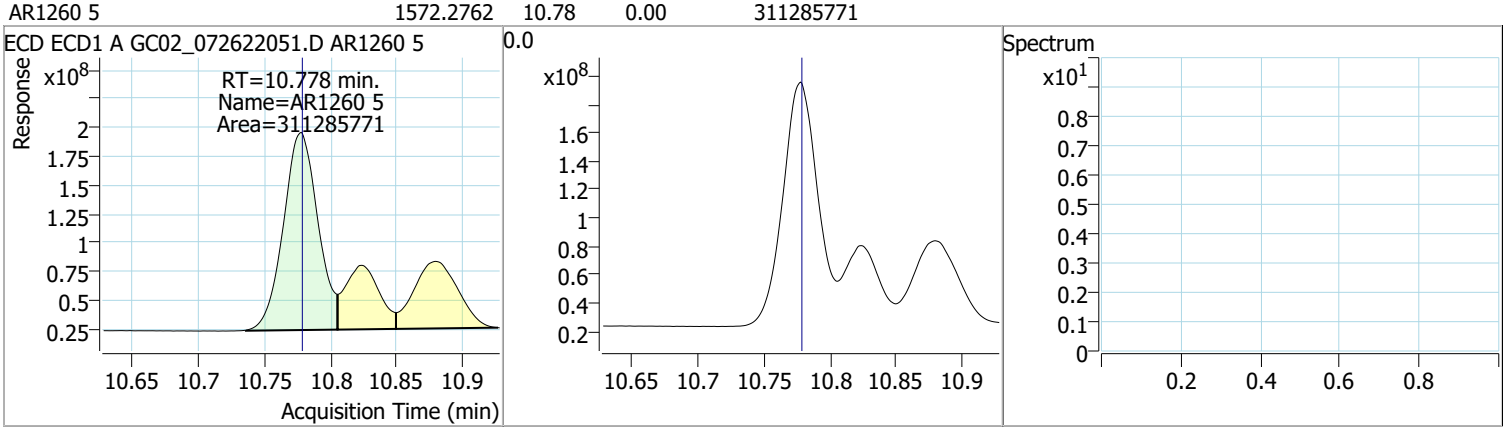
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1277.9735	10.03	0.00	16790908				



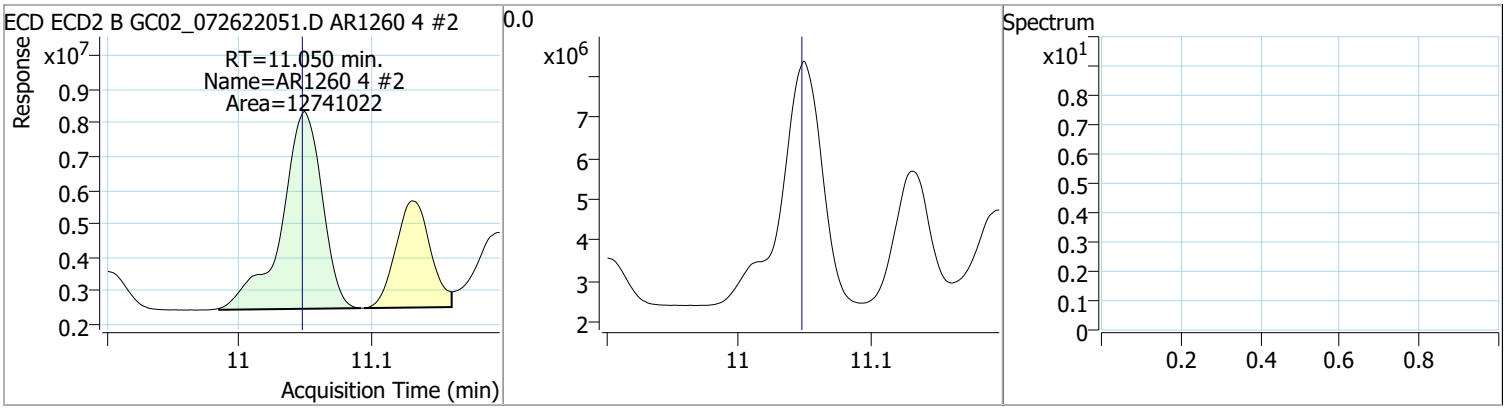
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1307.7258	10.56	0.00	22721665				



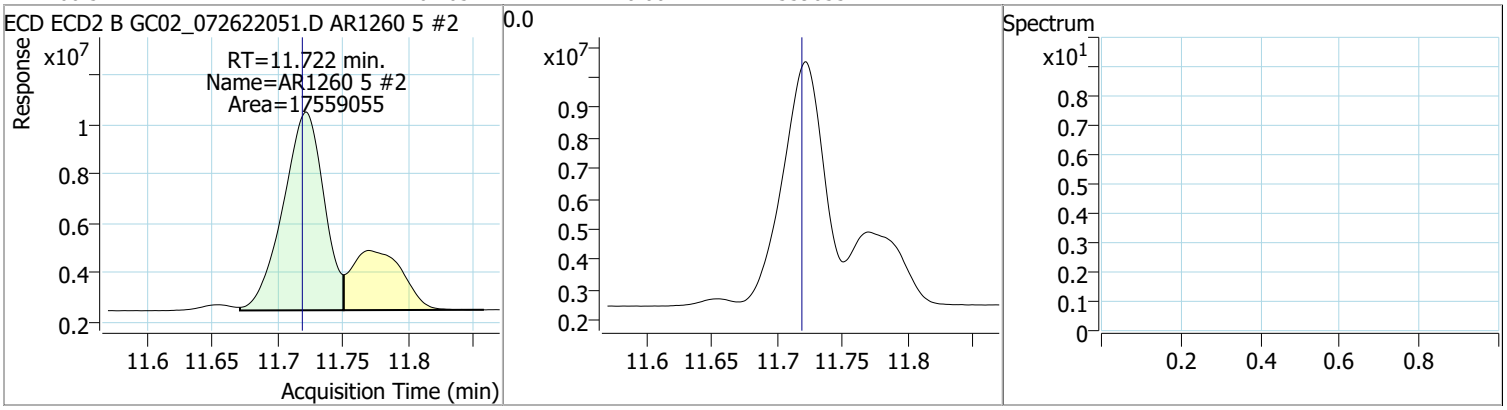
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1572.2762	10.78	0.00	311285771				



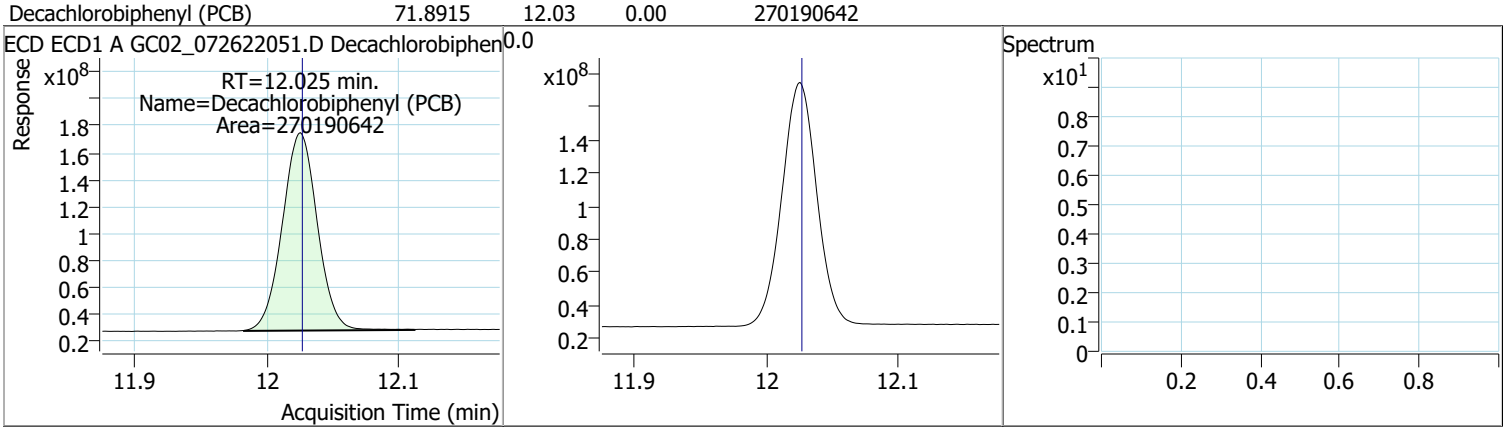
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1313.8288	11.05	0.00	12741022				



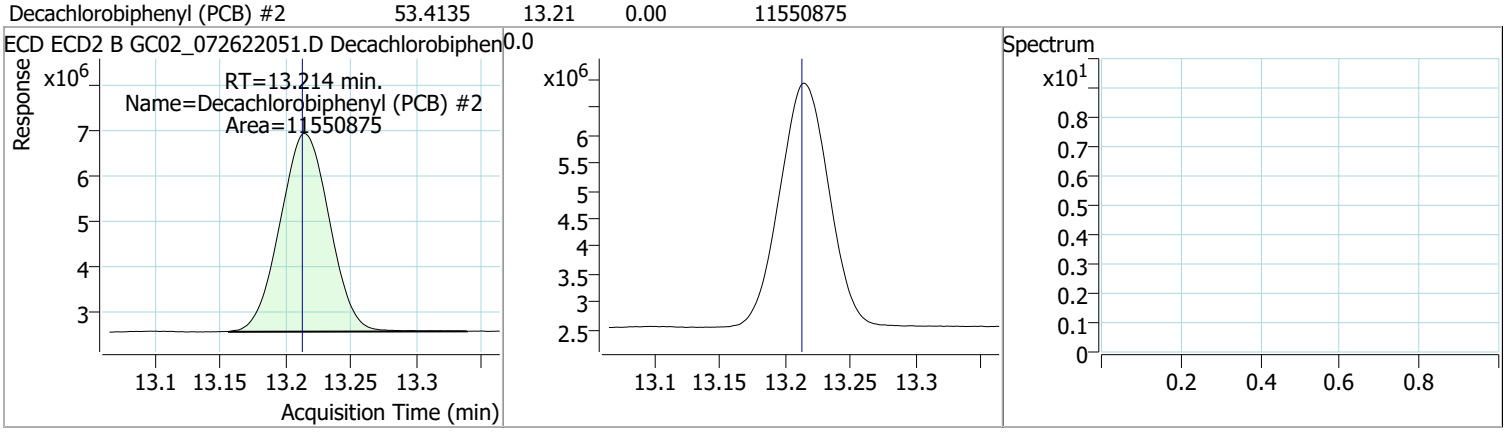
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1261.6512	11.72	0.00	17559055				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	71.8915	12.03	0.00	270190642				

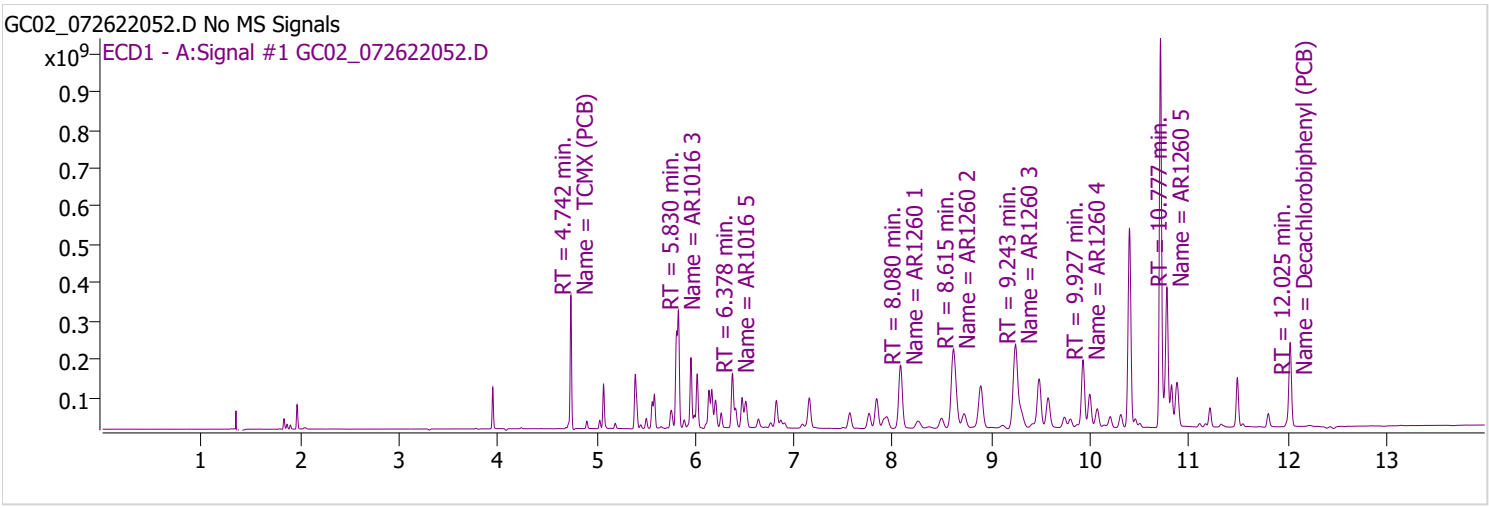


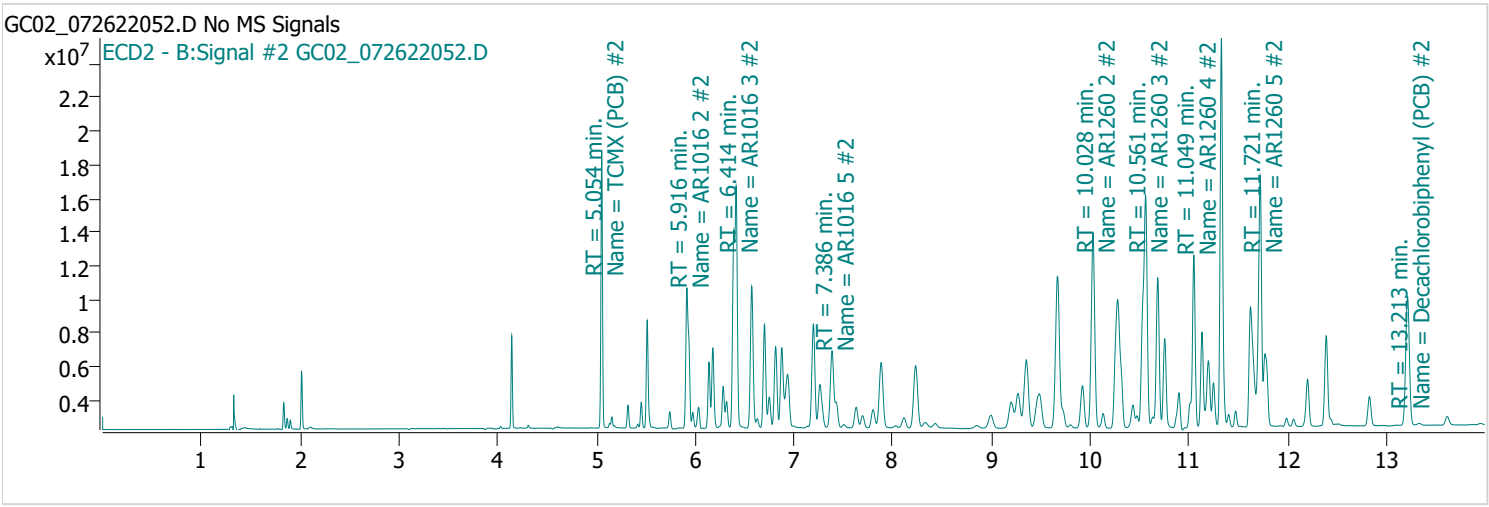
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	53.4135	13.21	0.00	11550875				



Quantitation Results Report (Not Reviewed)

Data File	GC02_072622052.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	7/27/2022 10:25:42 AM
Sample Name	ICAL, S17023, 1, S17010, 250	Instrument	SVOA-GC02
Vial	89	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_1.m	Comment	2000PPB PCB ICAL 9
Tune File	ATUNE.U	Tune Date	
Batch Name	072622PCBICAL.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



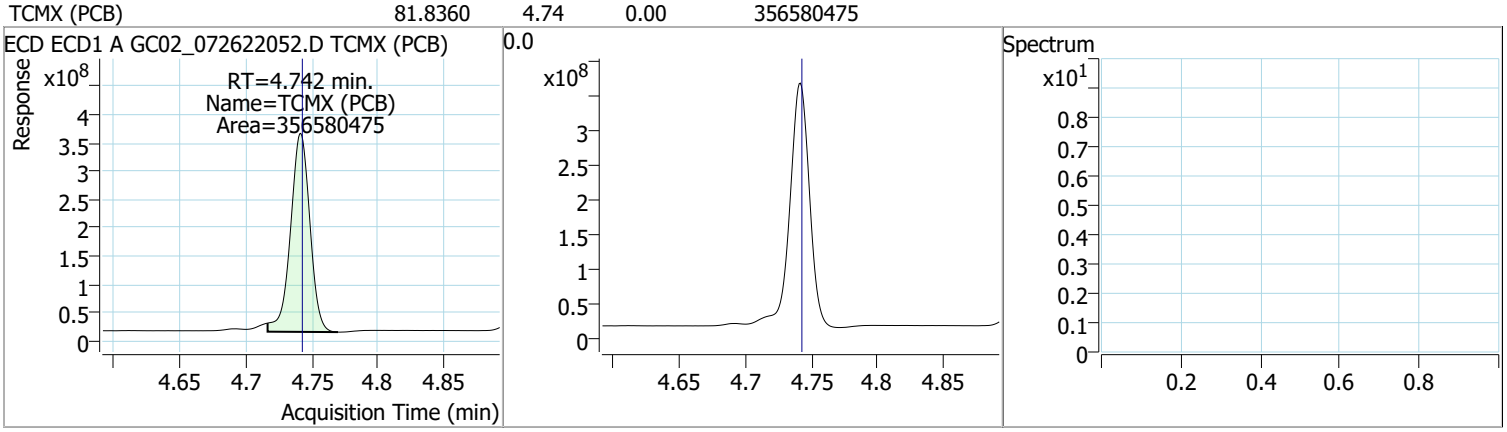


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.951	0.0	111756330.746	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.143	0.0	5161707.323	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.742	0.0	356580475.074	81.8360	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 409.18%		*	
S TCMX (PCB) #2	5.054	0.0	18271862.654	77.4716	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 387.36%		*	
S Decachlorobiphenyl (PCB)	12.025	0.0	422404121.991	80.7535	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 403.77%		*	
S Decachlorobiphenyl (PCB) #2	13.213	0.0	20282715.602	76.9230	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 384.62%		*	
Target Compounds							QValue

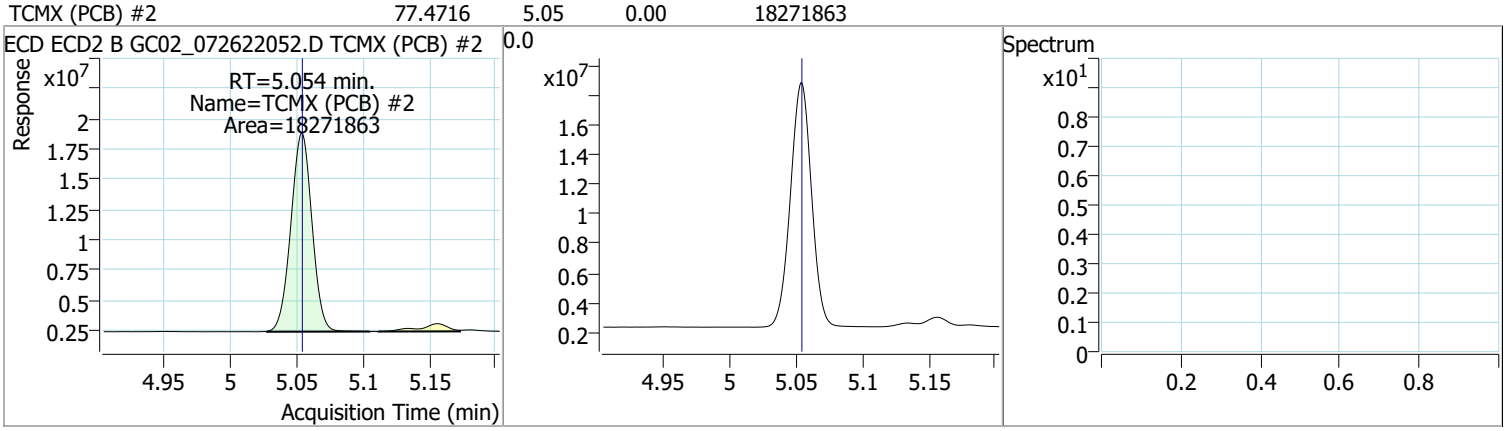
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.073	0.0	131725742.685	1795.6030	ng/ml		100
T AR1016 2	5.394	0.0	224695093.485	1586.5209	ng/ml		100
T AR1016 1 #2	5.514	0.0	8700999.078	1789.0665	ng/ml		100
T AR1016 3	5.830	0.0	416573633.298	1872.8149	ng/ml	m	100
T AR1016 2 #2	5.916	0.0	18131001.782	1817.8291	ng/ml		100
T AR1016 4	5.958	0.0	250699052.612	1926.4244	ng/ml		100
T AR1016 5	6.378	0.0	225365302.392	1976.8233	ng/ml		100
T AR1016 3 #2	6.414	0.0	23023281.111	1863.0570	ng/ml	m	100
T AR1016 4 #2	6.573	0.0	16263175.309	1859.7334	ng/ml		100
T AR1016 5 #2	7.386	0.0	13674243.248	1921.0222	ng/ml		100
T AR1260 1	8.080	0.0	438358776.037	1913.7971	ng/ml		100
T AR1260 2	8.615	0.0	699719946.213	1970.8755	ng/ml		100
T AR1260 3	9.243	0.0	860168389.199	2055.1137	ng/ml		100
T AR1260 1 #2	9.668	0.0	26968994.041	1842.1066	ng/ml		100
T AR1260 4	9.927	0.0	377322227.972	1991.5888	ng/ml		100
T AR1260 2 #2	10.028	0.0	27808241.775	1735.8619	ng/ml		100
T AR1260 3 #2	10.561	0.0	39387329.611	1859.2040	ng/ml		100
T AR1260 5	10.777	0.0	716985656.590	2601.9901	ng/ml		100
T AR1260 4 #2	11.049	0.0	21263547.230	1798.3085	ng/ml		100
T AR1260 5 #2	11.721	0.0	33322872.375	1963.6973	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

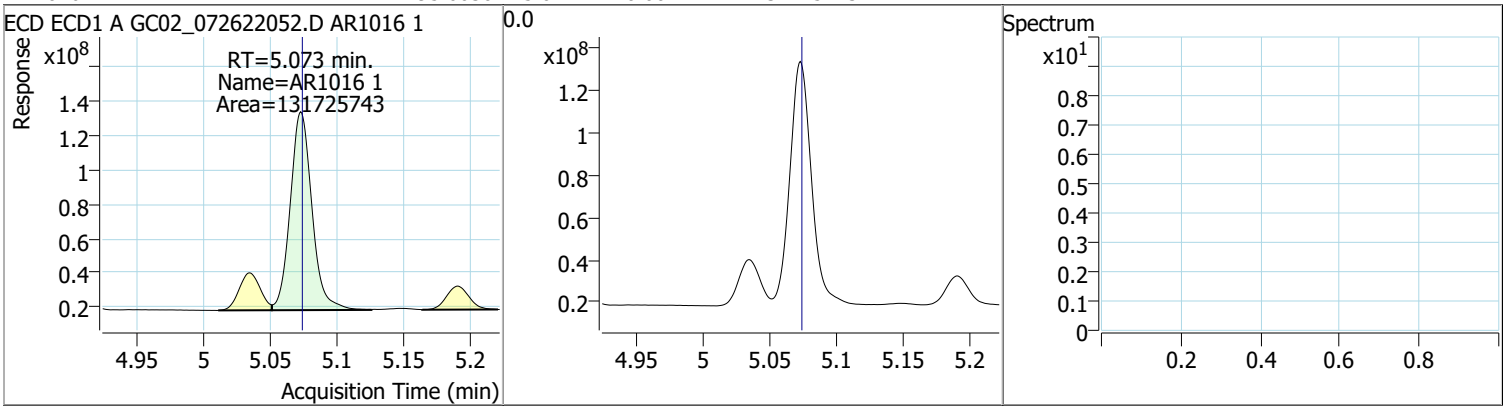
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	81.8360	4.74	0.00	356580475				



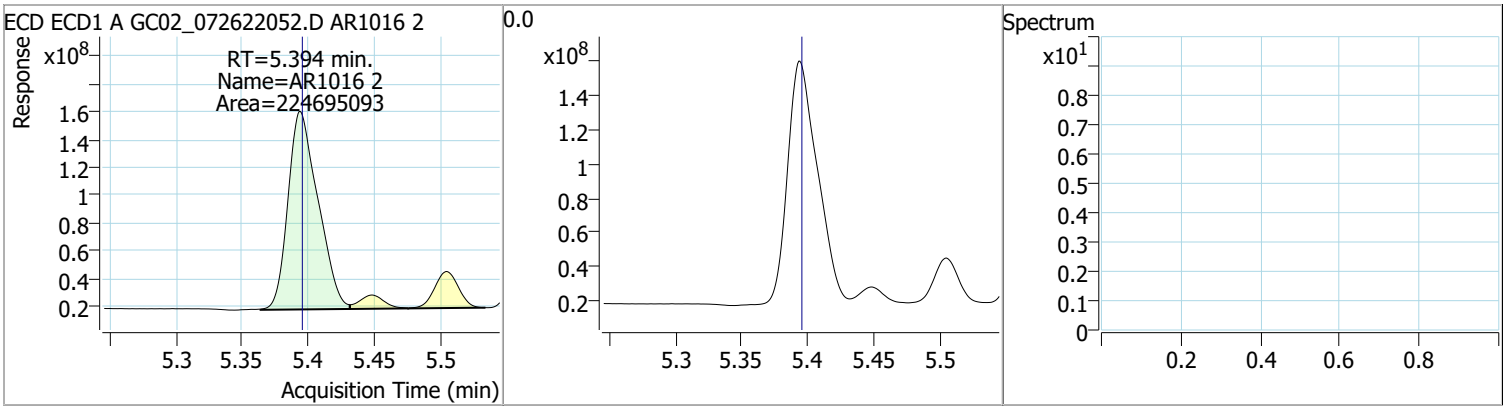
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	77.4716	5.05	0.00	18271863				



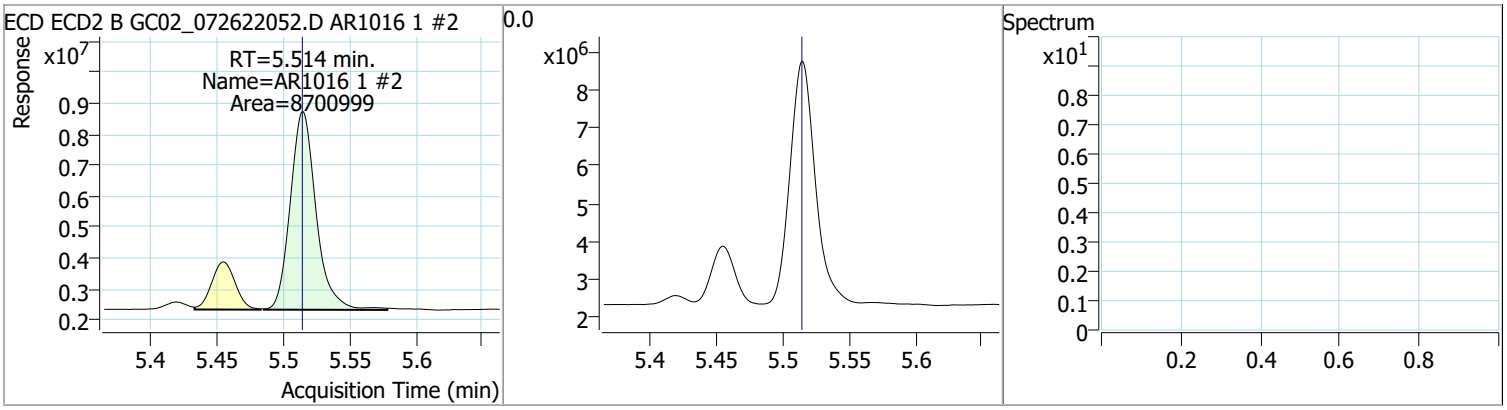
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1795.6030	5.07	0.00	131725743				



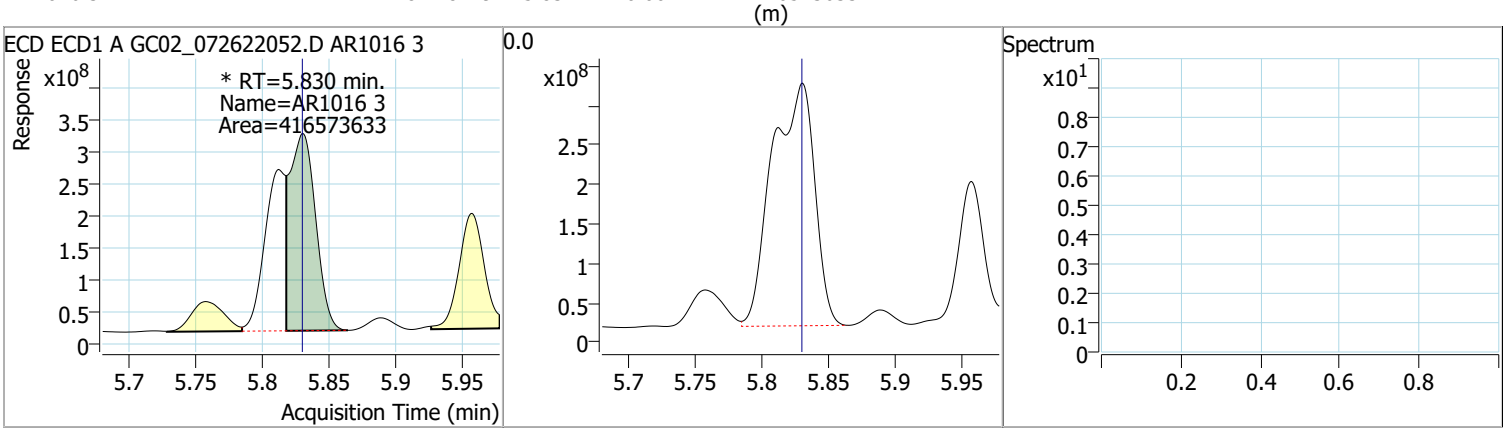
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1586.5209	5.39	0.00	224695093				



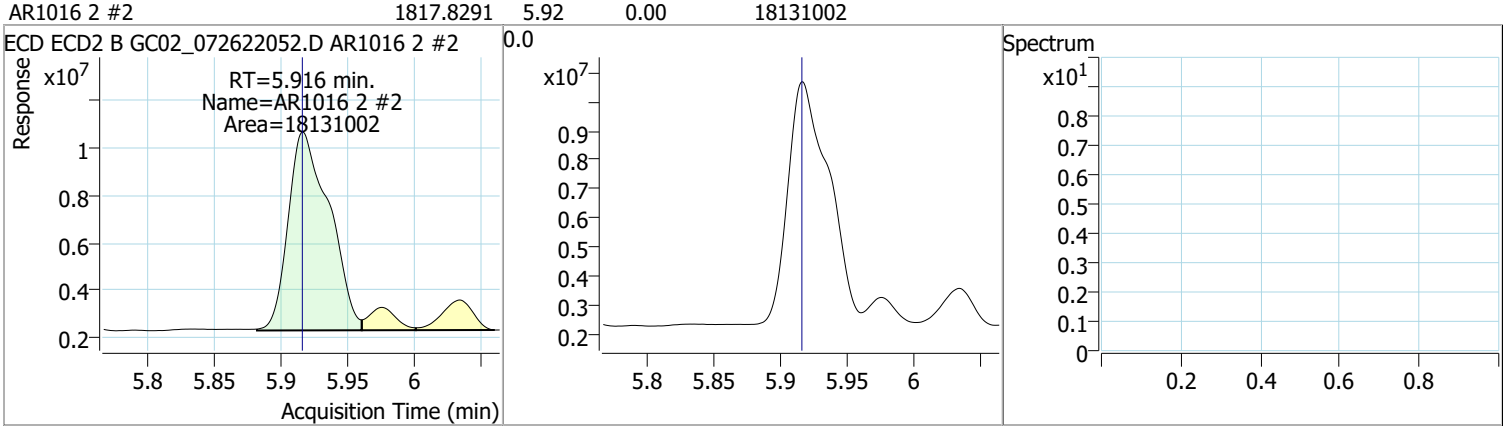
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1789.0665	5.51	0.00	8700999				



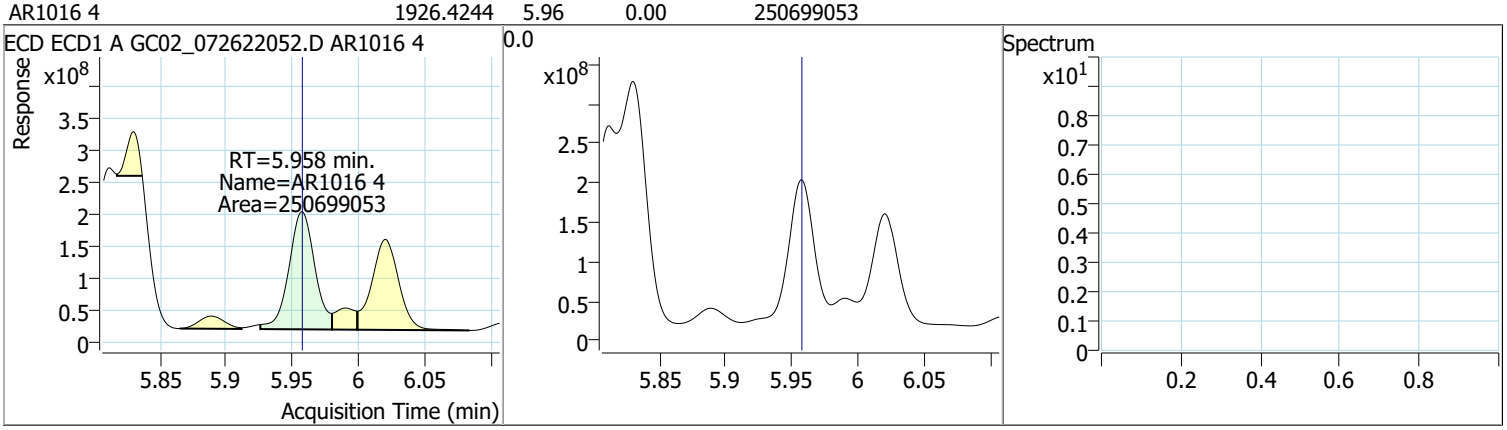
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1872.8149	5.83	0.00	416573633 (m)				



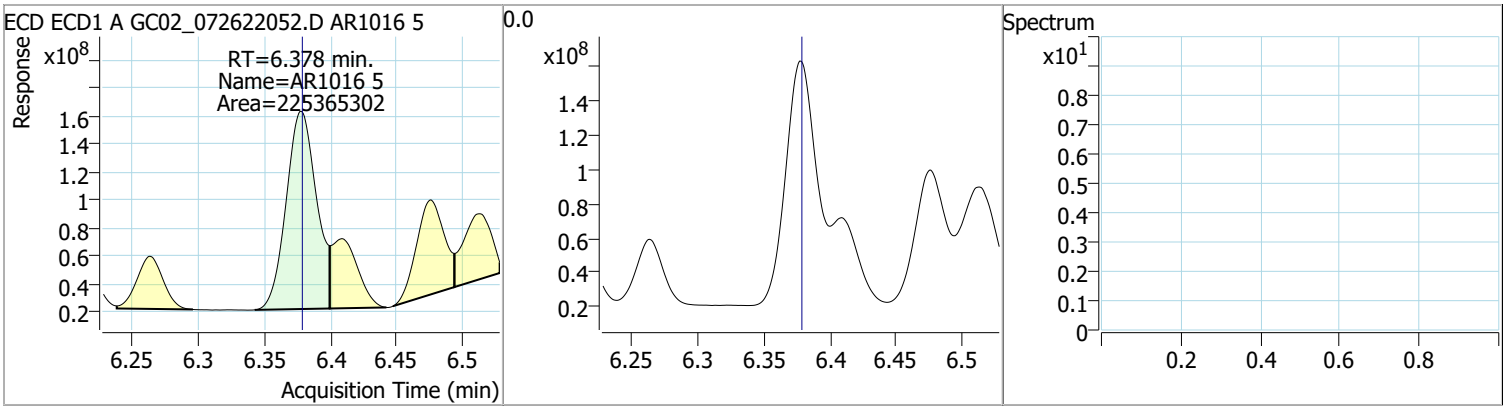
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1817.8291	5.92	0.00	18131002				



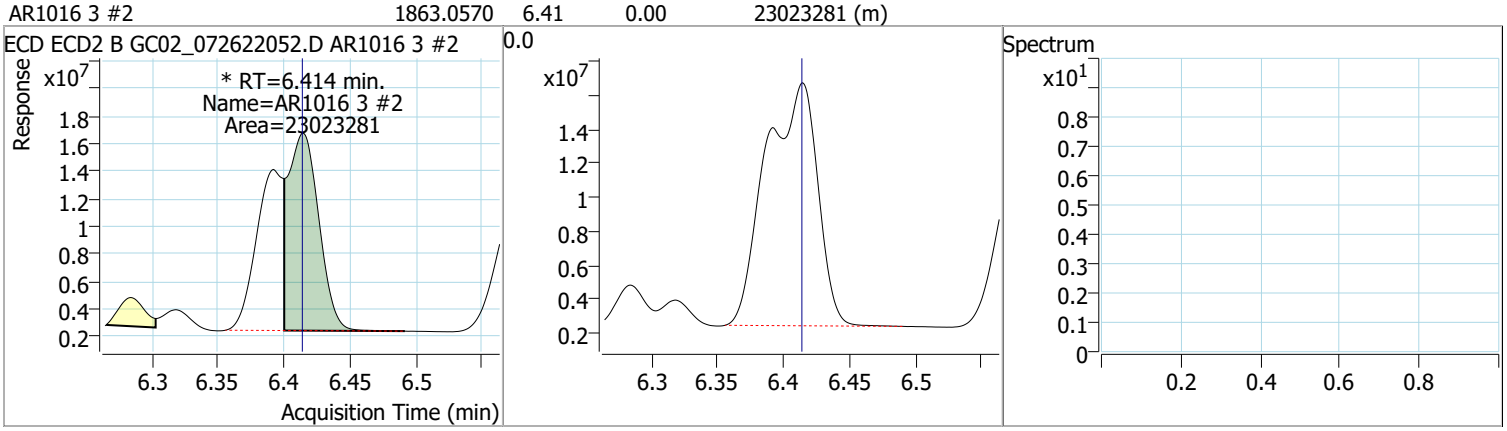
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1926.4244	5.96	0.00	250699053				



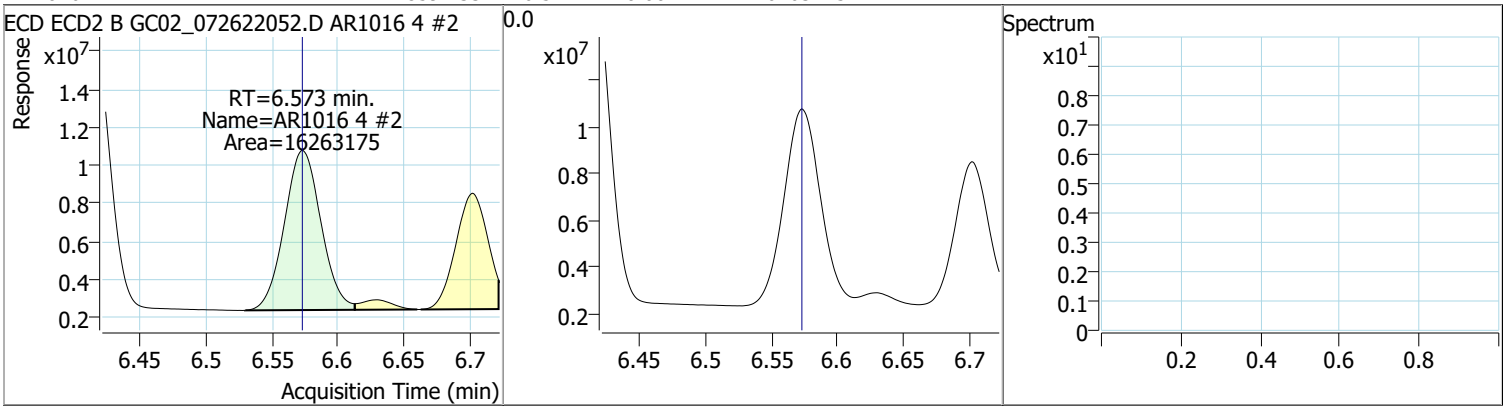
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1976.8233	6.38	0.00	225365302				



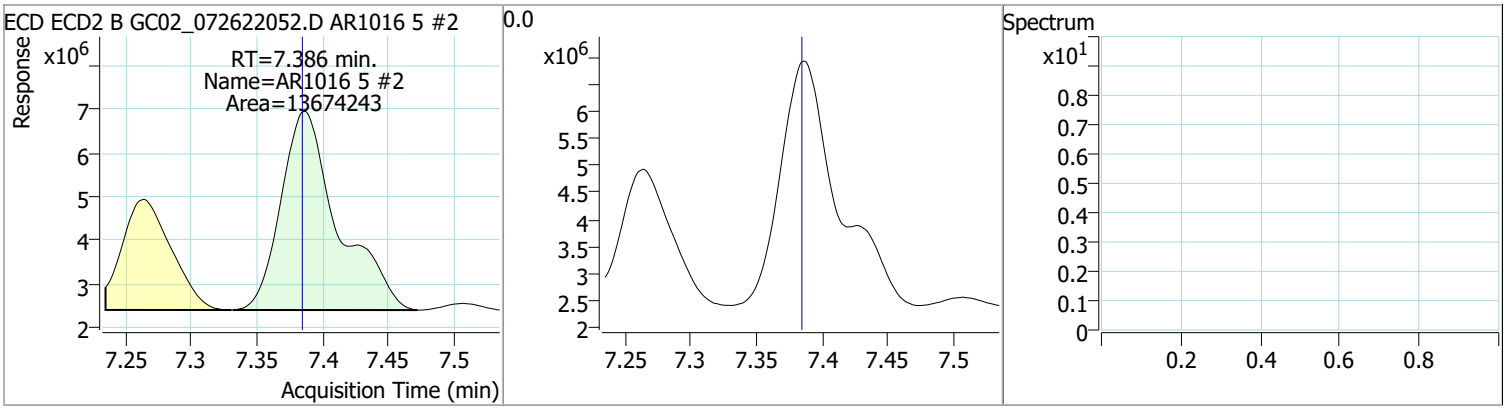
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1863.0570	6.41	0.00	23023281 (m)				



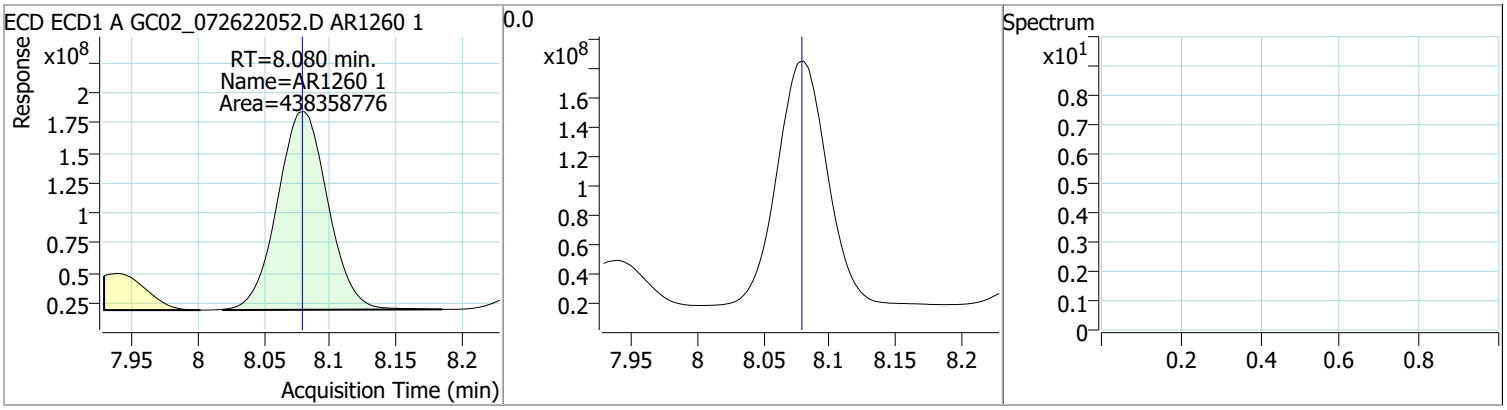
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1859.7334	6.57	0.00	16263175				



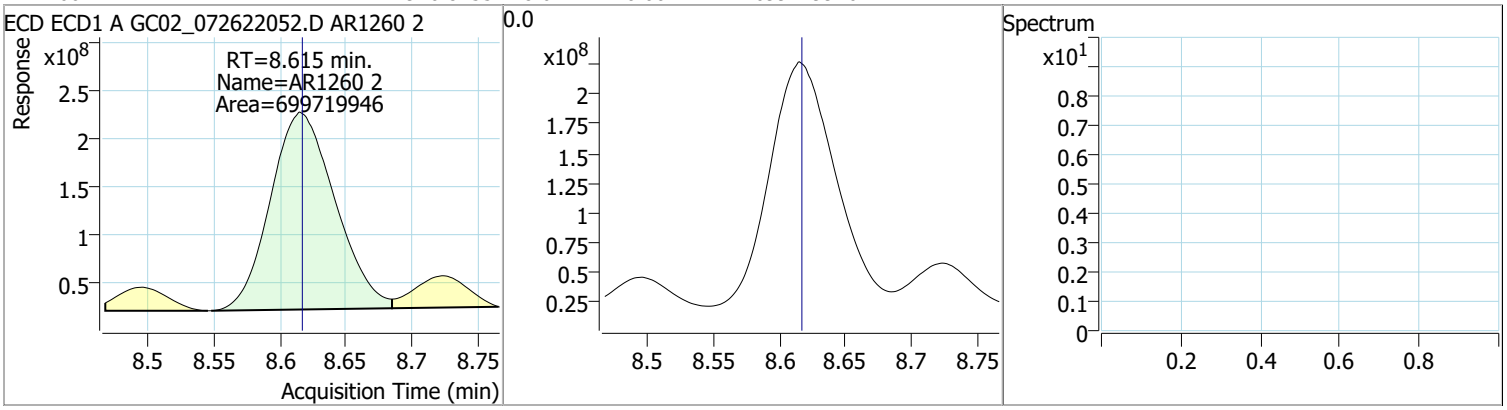
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1921.0222	7.39	0.00	13674243				



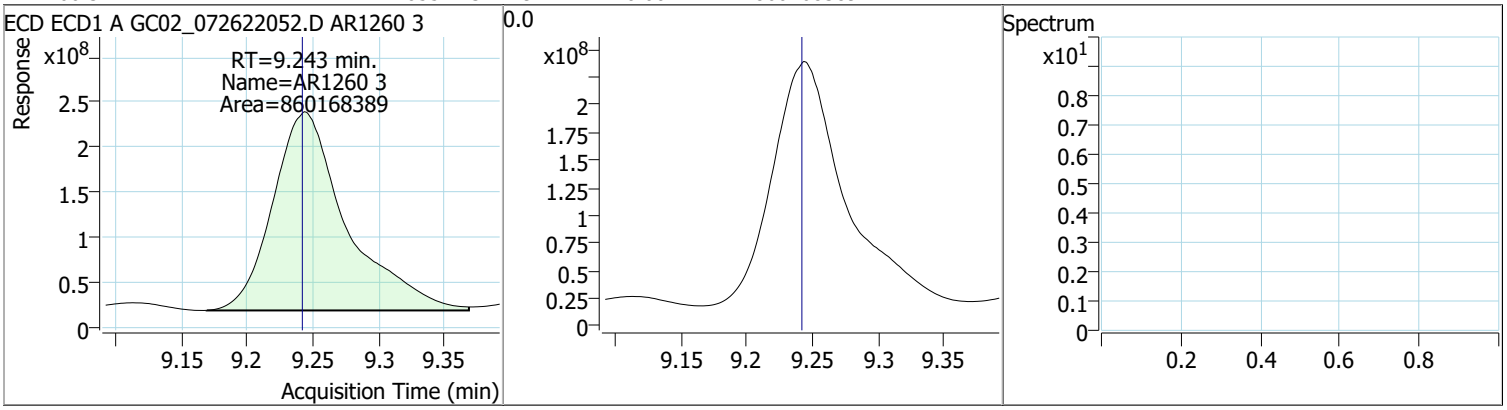
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1913.7971	8.08	0.00	438358776				



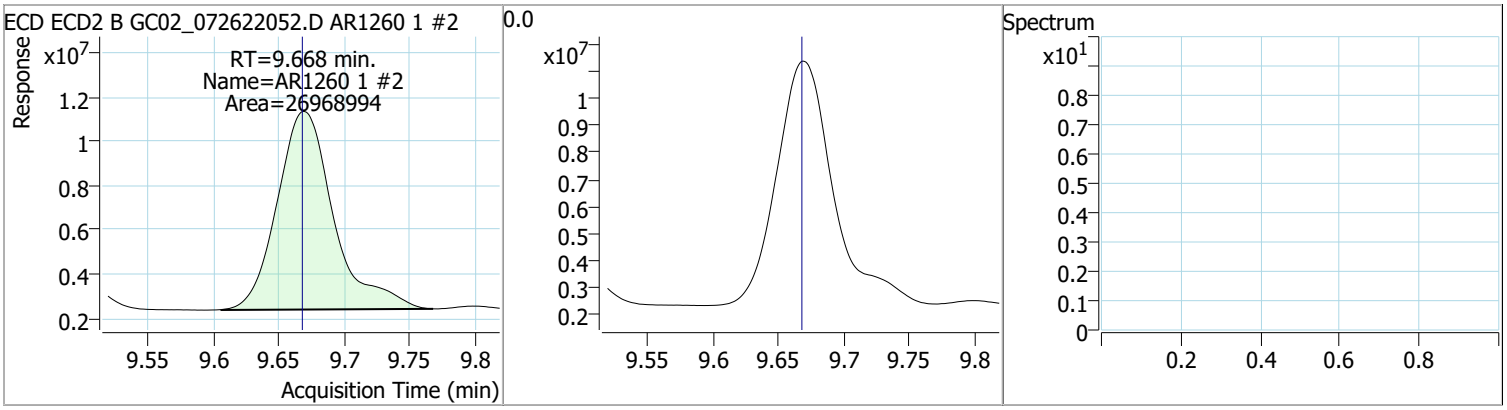
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1970.8755	8.62	0.00	699719946				



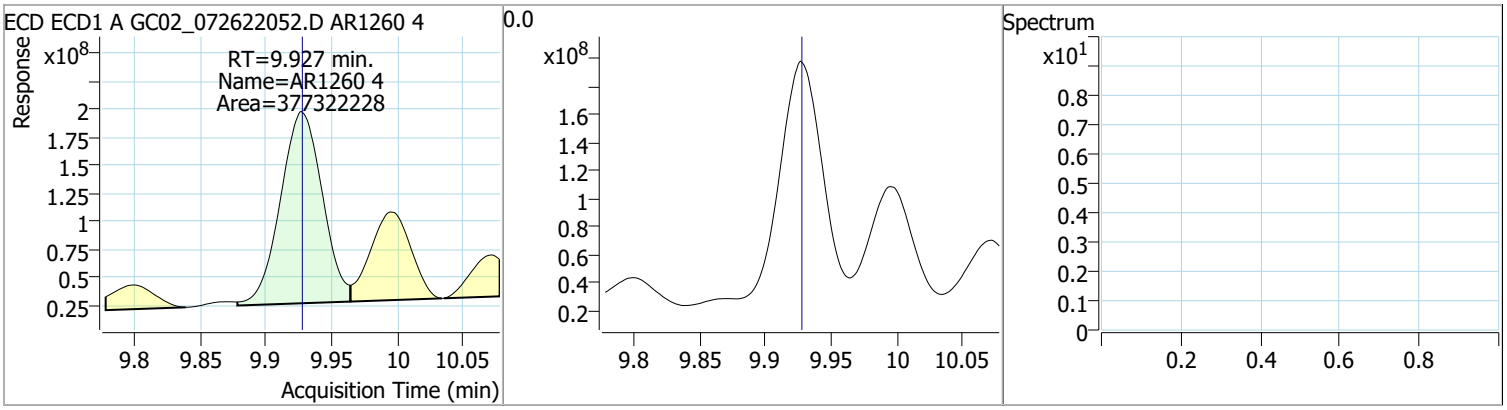
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	2055.1137	9.24	0.00	860168389				



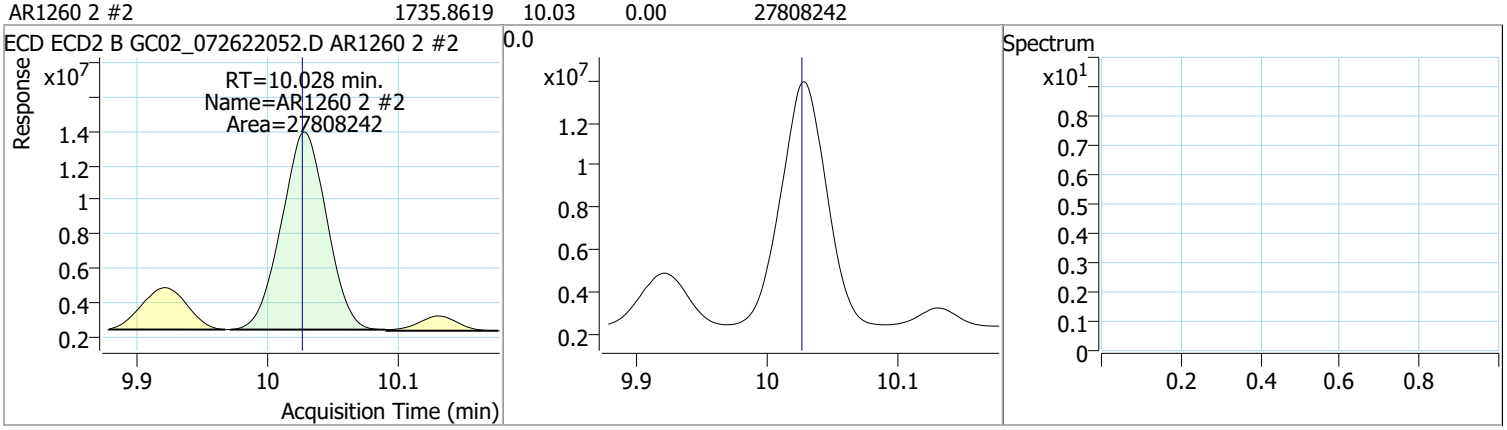
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1842.1066	9.67	0.00	26968994				



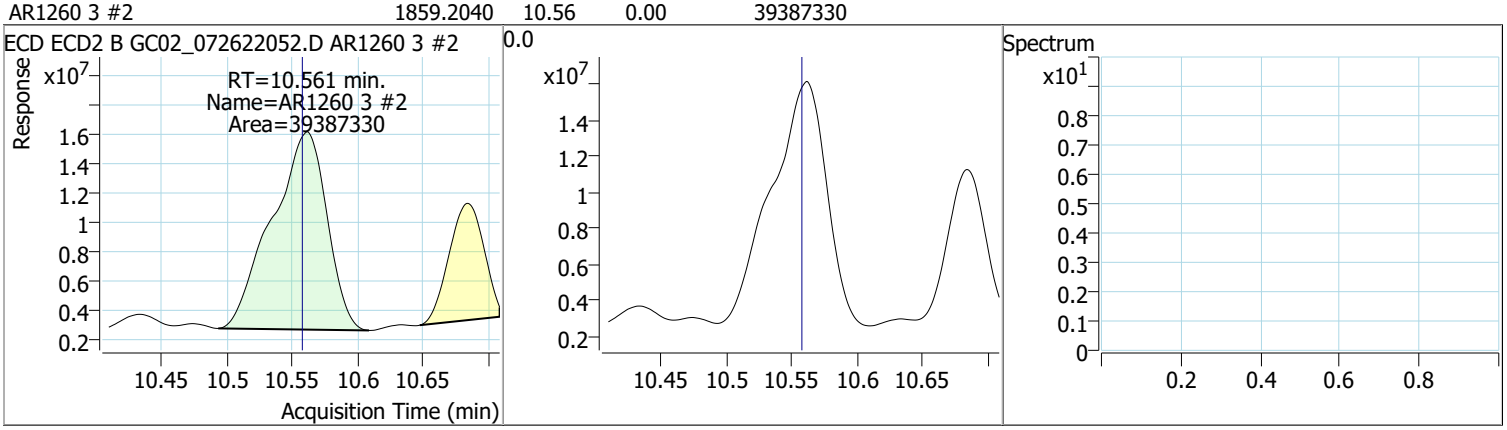
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1991.5888	9.93	0.00	377322228				



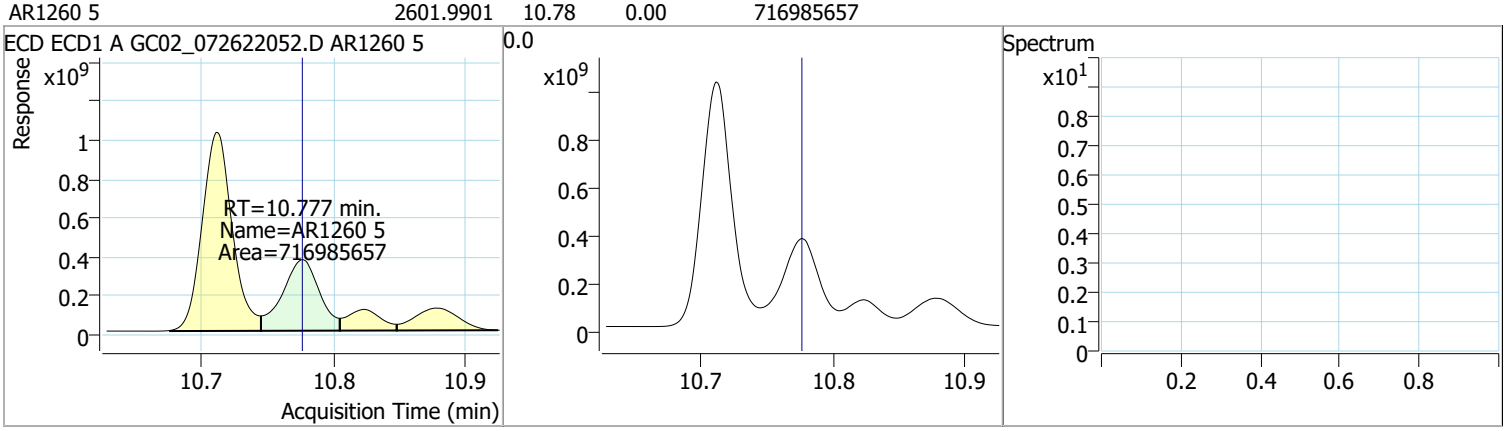
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1735.8619	10.03	0.00	27808242				



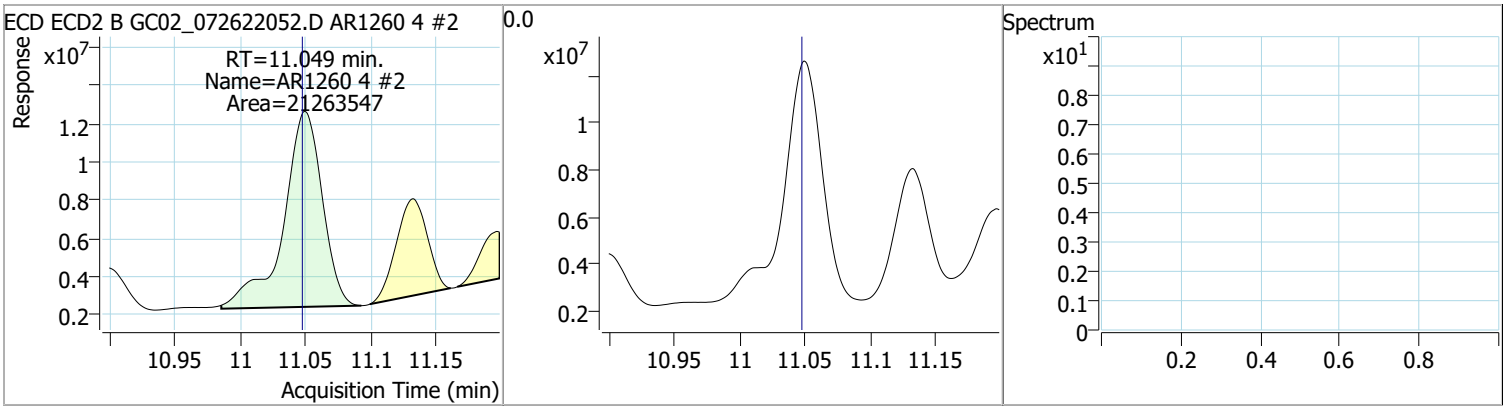
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1859.2040	10.56	0.00	39387330				



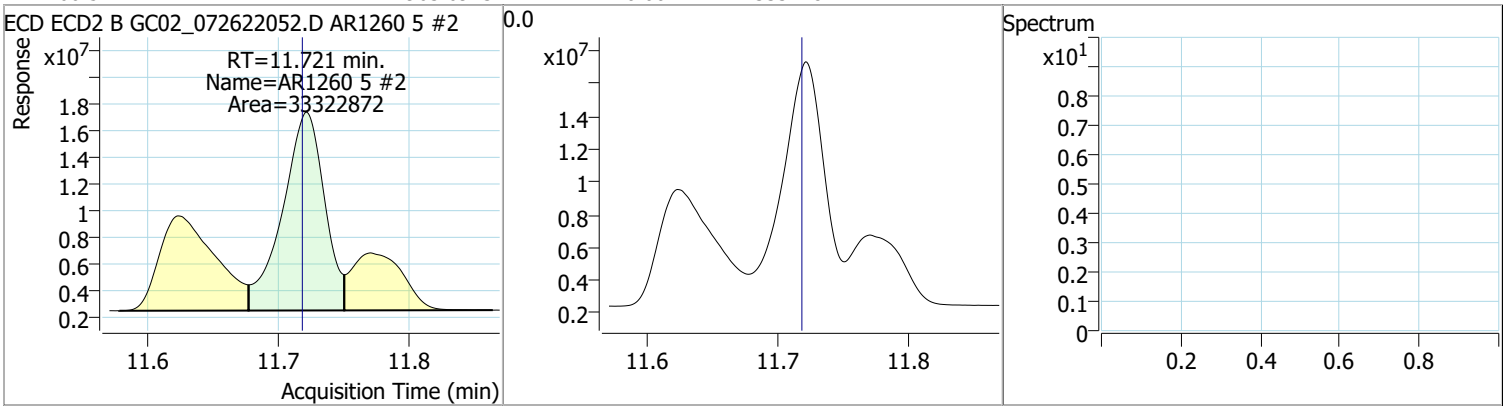
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	2601.9901	10.78	0.00	716985657				



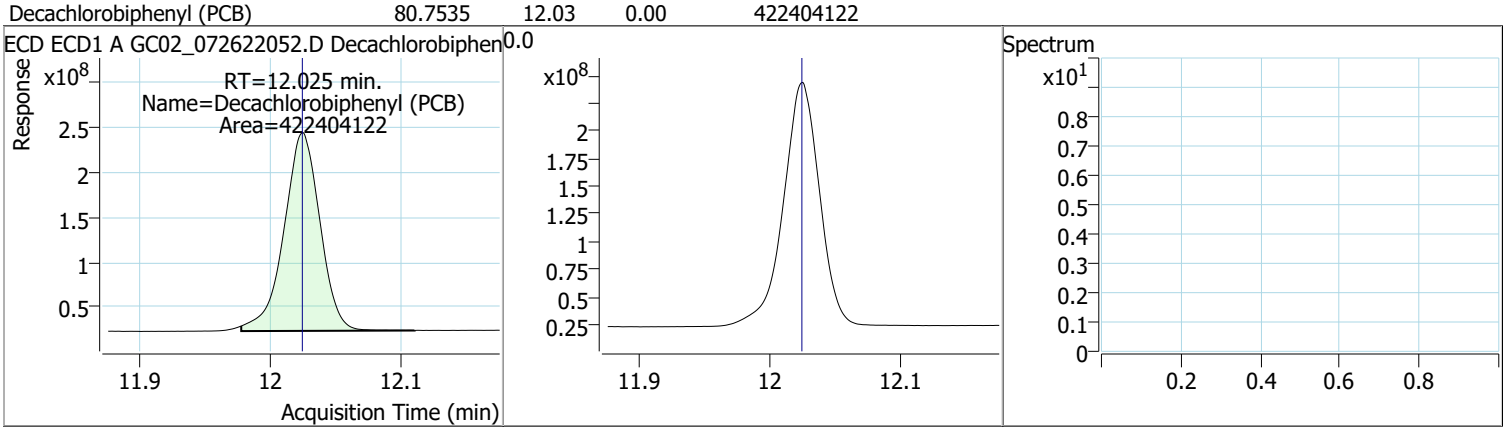
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1798.3085	11.05	0.00	21263547				



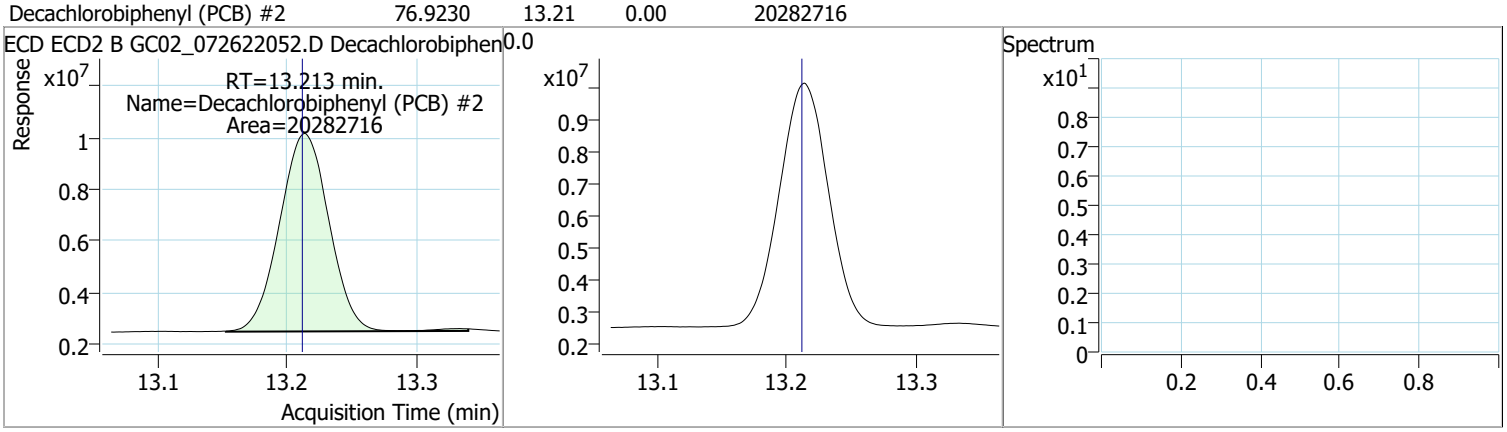
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1963.6973	11.72	0.00	33322872				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	80.7535	12.03	0.00	422404122				

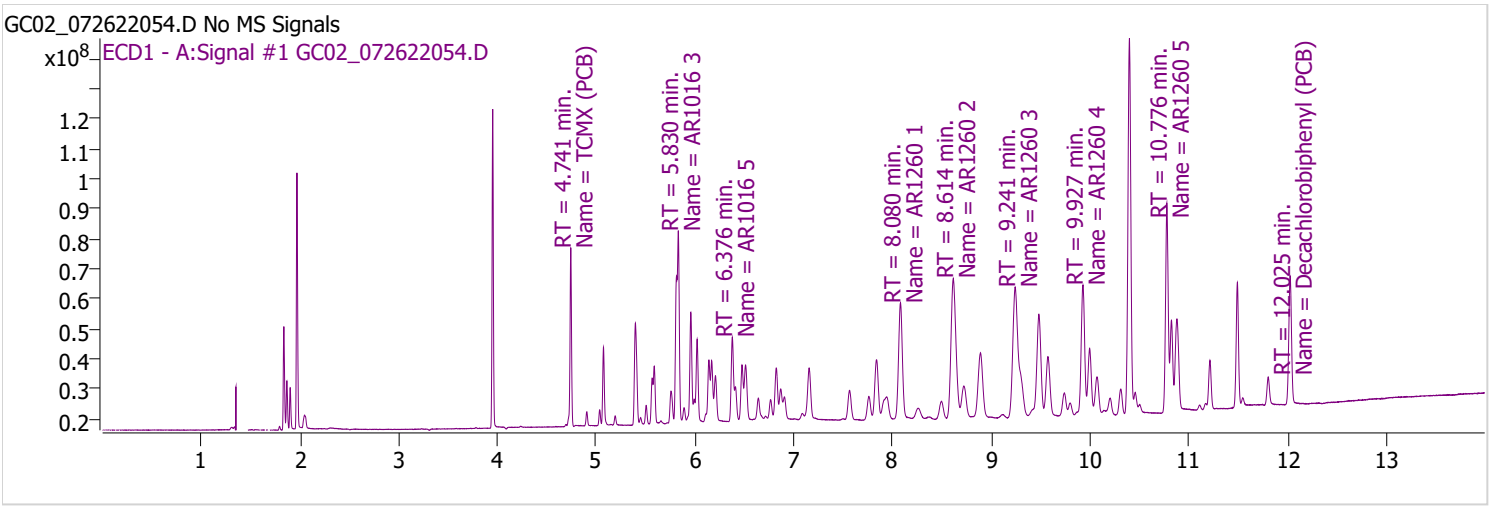


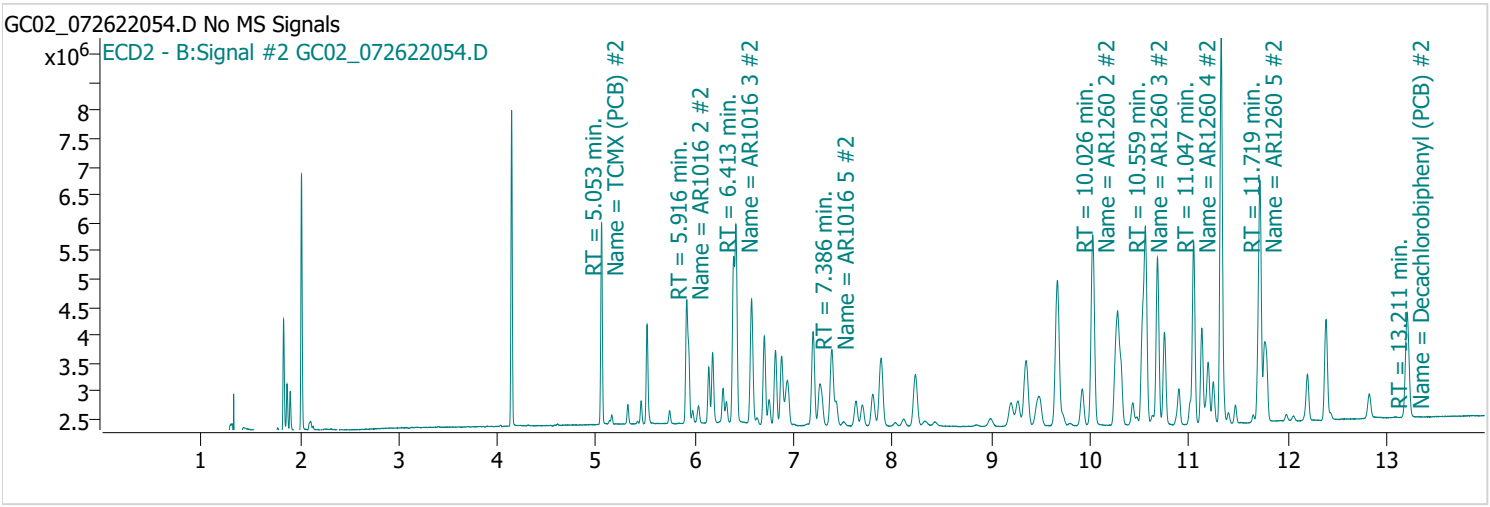
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	76.9230	13.21	0.00	20282716				



Quantitation Results Report (Not Reviewed)

Data File	GC02_072622054.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	7/27/2022 11:01:21 AM
Sample Name	ICV, S16736	Instrument	SVOA-GC02
Vial	90	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_1.m	Comment	500 PPB PCB ICV
Tune File	ATUNE.U	Tune Date	
Batch Name	072622PCBICAL.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



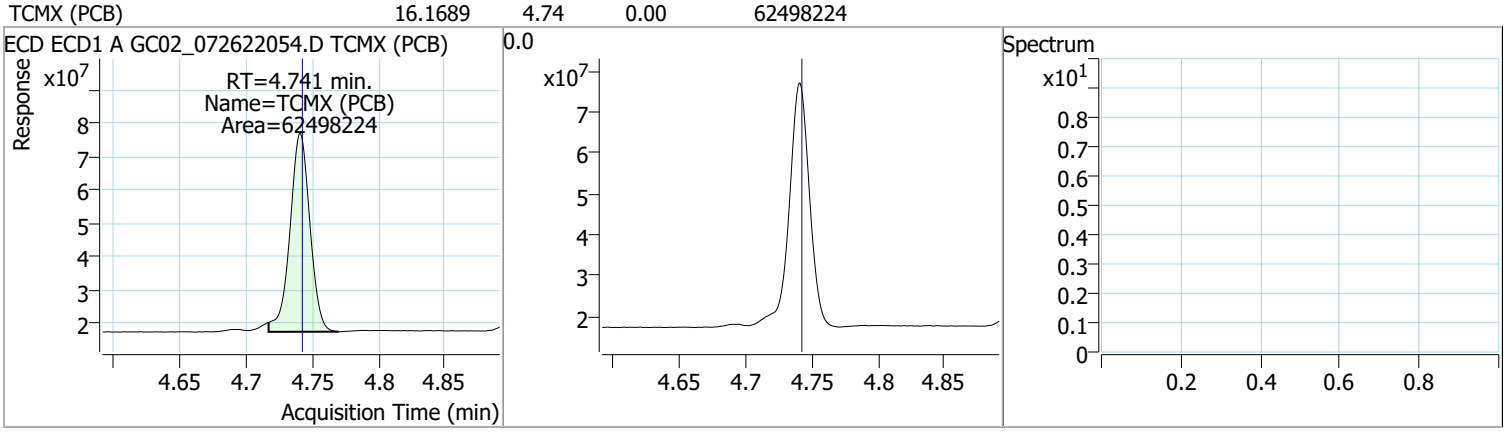


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.951	0.0	99139019.363	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.142	0.0	5270586.925	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB)	4.741	0.0	62498224.130	16.1689	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 80.84%		
S TCMX (PCB) #2	5.053	0.0	4002653.324	16.6204	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 83.10%		
S Decachlorobiphenyl (PCB)	12.025	0.0	84281368.816	18.1632	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 90.82%		
S Decachlorobiphenyl (PCB) #2	13.211	0.0	4794357.338	17.8072	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 89.04%		
Target Compounds						QValue

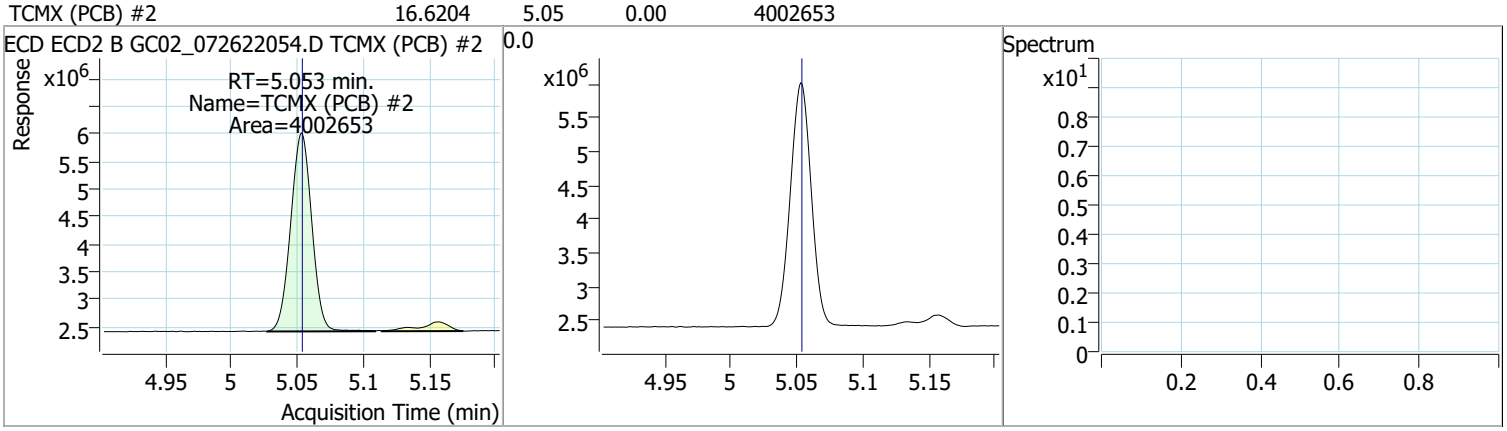
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.072	0.0	30716742.061	472.0004	ng/ml		100
T AR1016 2	5.396	0.0	57091663.658	454.4147	ng/ml		100
T AR1016 1 #2	5.514	0.0	2337008.994	470.6002	ng/ml		100
T AR1016 3	5.830	0.0	87741660.149	444.6686	ng/ml	m	100
T AR1016 2 #2	5.916	0.0	4654317.006	457.0057	ng/ml		100
T AR1016 4	5.956	0.0	51741078.130	448.1901	ng/ml		100
T AR1016 5	6.376	0.0	46317175.952	457.9841	ng/ml		100
T AR1016 3 #2	6.413	0.0	5732226.185	454.2727	ng/ml	m	100
T AR1016 4 #2	6.572	0.0	4232178.227	473.9622	ng/ml		100
T AR1016 5 #2	7.386	0.0	3993917.571	549.4935	ng/ml		100
T AR1260 1	8.080	0.0	104957065.533	516.5417	ng/ml		100
T AR1260 2	8.614	0.0	159470990.314	506.3422	ng/ml		100
T AR1260 3	9.241	0.0	183363068.707	493.8463	ng/ml		100
T AR1260 1 #2	9.668	0.0	6952834.748	465.1000	ng/ml		100
T AR1260 4	9.927	0.0	98890124.192	588.3933	ng/ml		100
T AR1260 2 #2	10.026	0.0	8185687.977	500.4160	ng/ml		100
T AR1260 3 #2	10.559	0.0	10211521.600	472.0580	ng/ml		100
T AR1260 5	10.776	0.0	128803742.453	526.9279	ng/ml		100
T AR1260 4 #2	11.047	0.0	5887783.994	487.6573	ng/ml		100
T AR1260 5 #2	11.719	0.0	9293788.681	536.3636	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

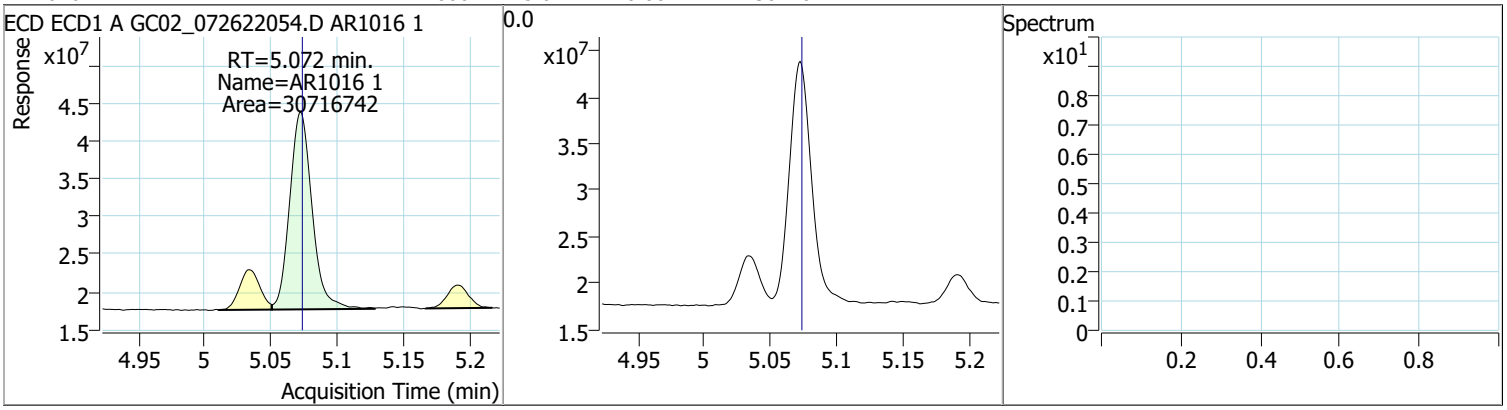
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	16.1689	4.74	0.00	62498224				



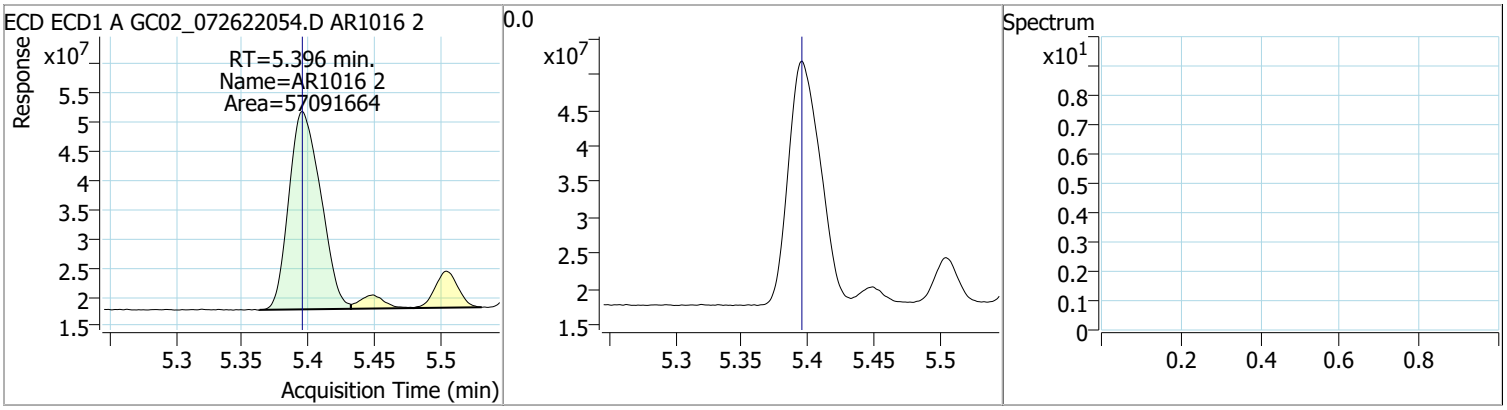
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	16.6204	5.05	0.00	4002653				



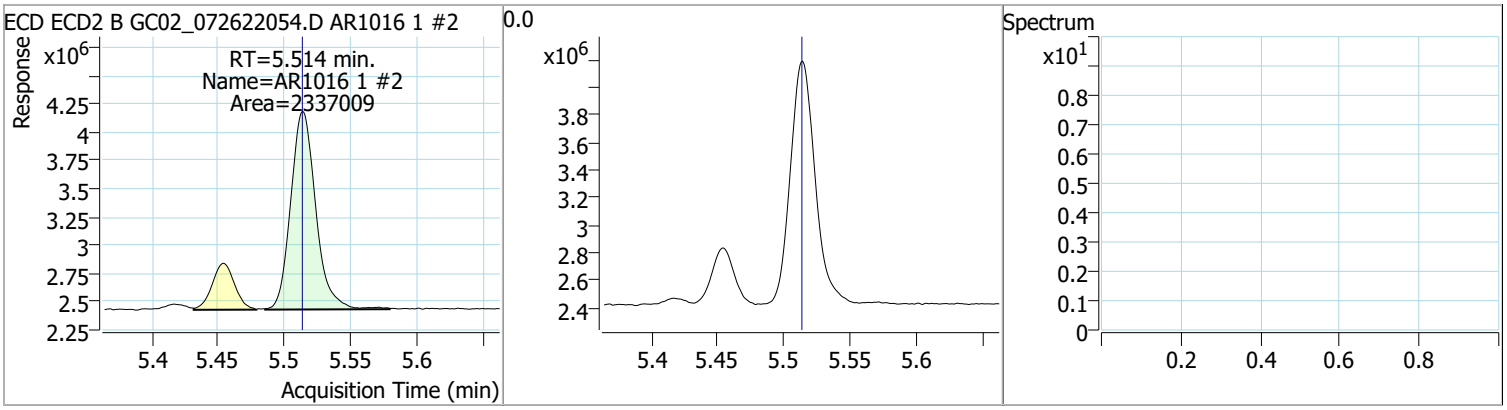
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	472.0004	5.07	0.00	30716742				



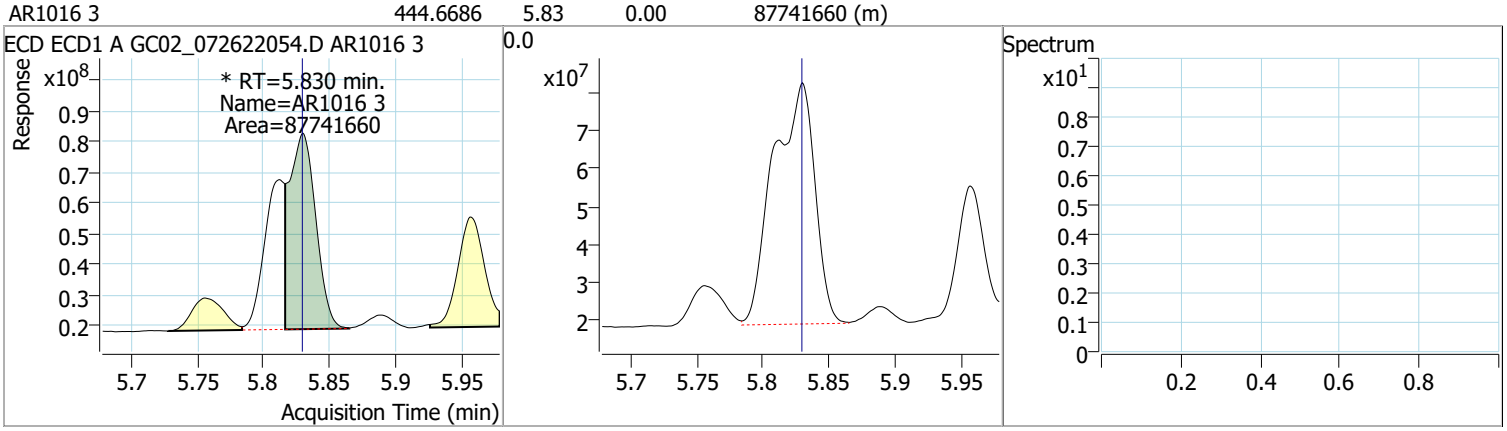
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	454.4147	5.40	0.00	57091664				



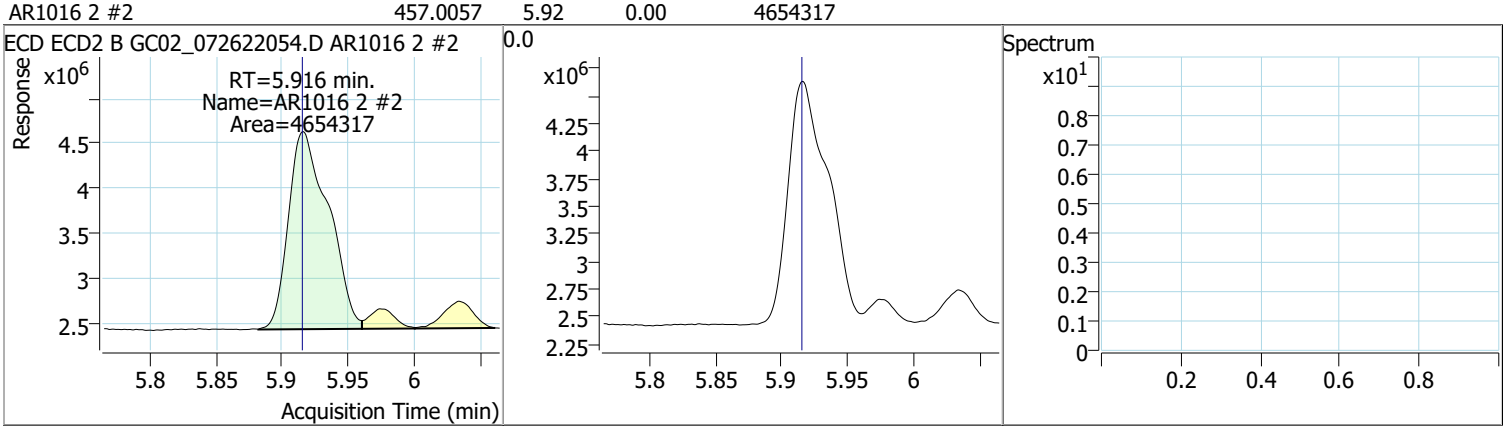
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	470.6002	5.51	0.00	2337009				



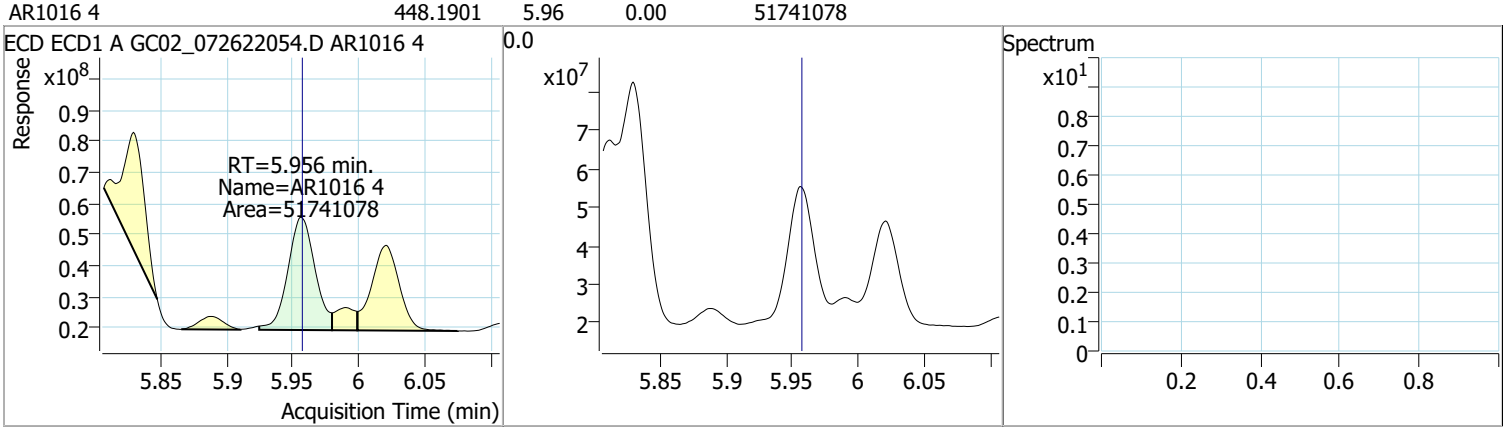
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	444.6686	5.83	0.00	87741660 (m)				



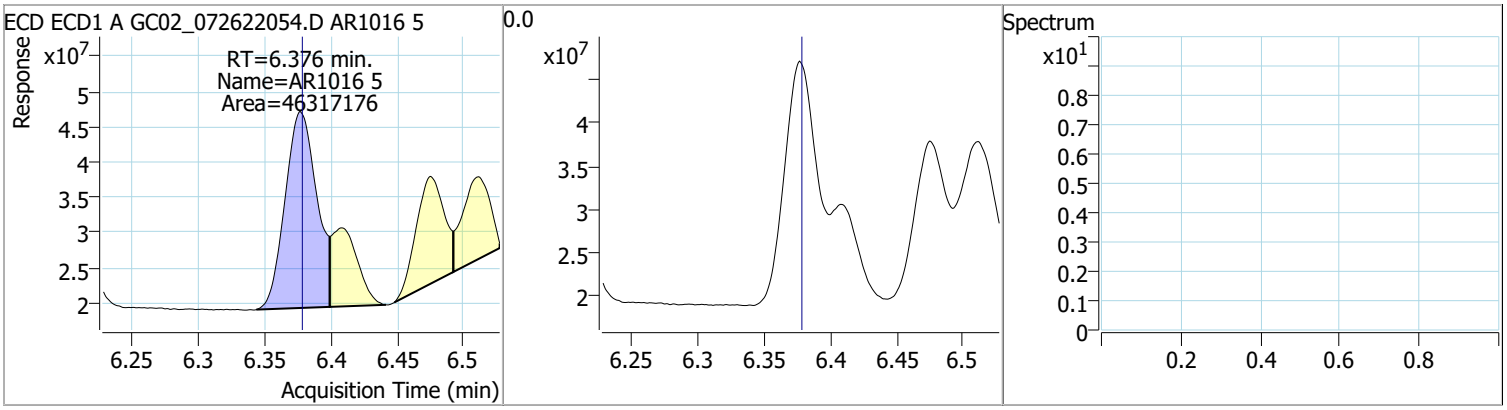
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	457.0057	5.92	0.00	4654317				



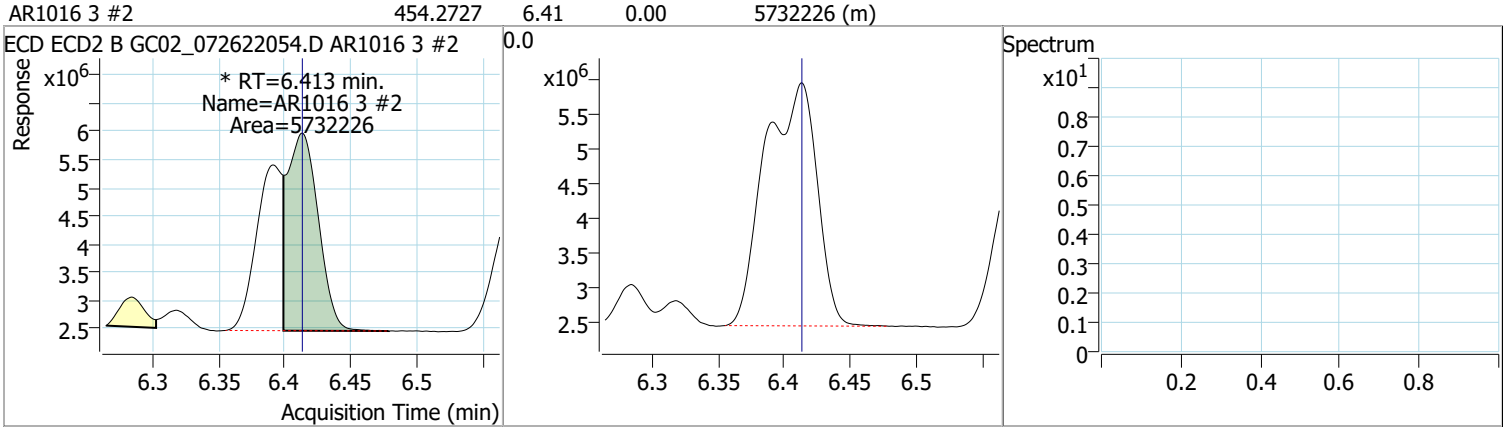
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	448.1901	5.96	0.00	51741078				



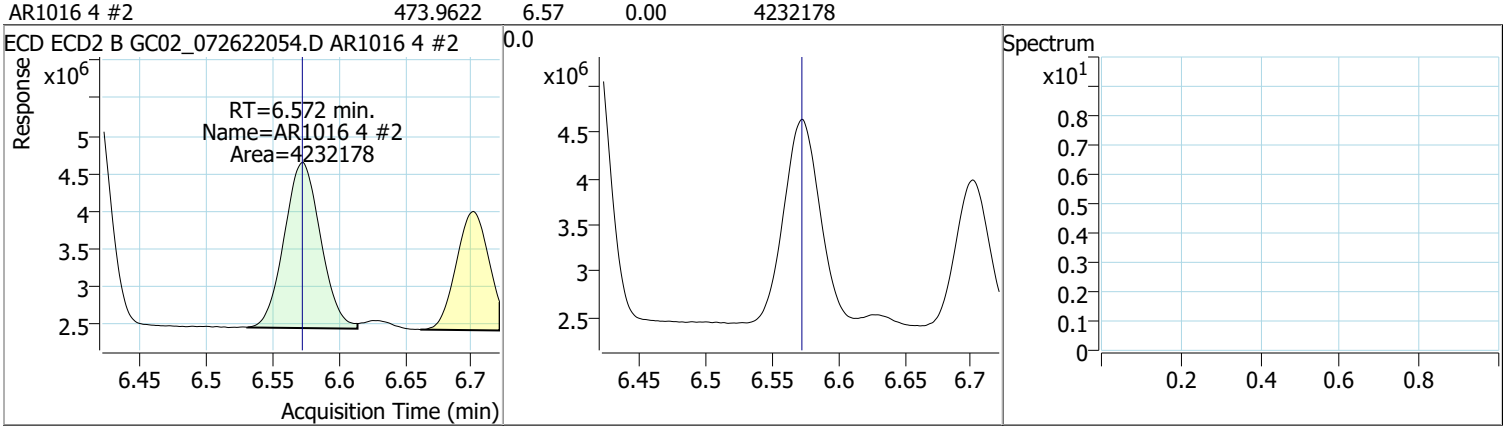
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	457.9841	6.38	0.00	46317176				



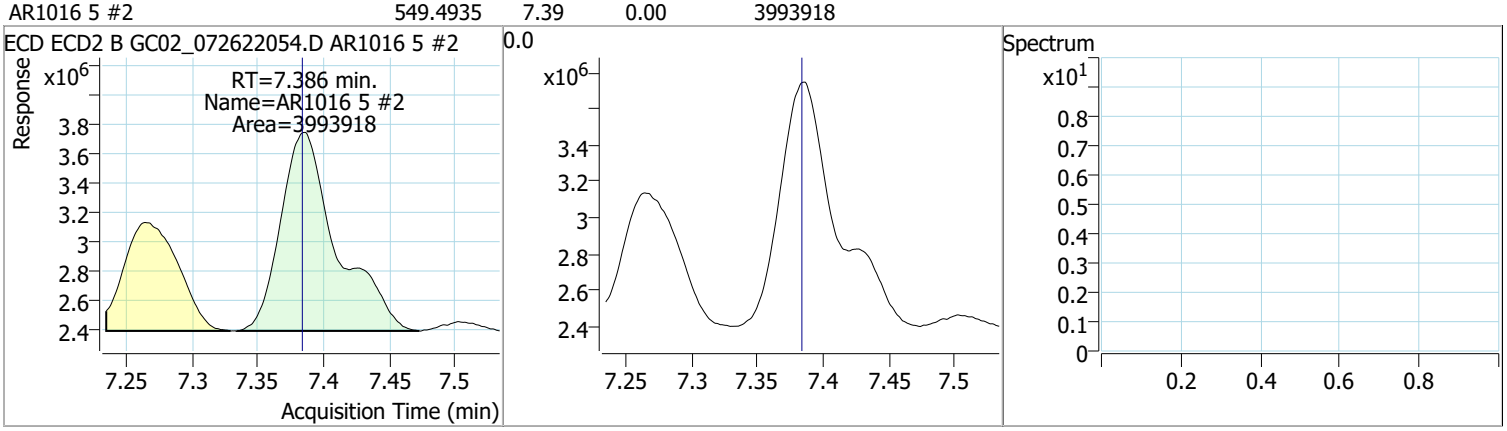
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	454.2727	6.41	0.00	5732226 (m)				



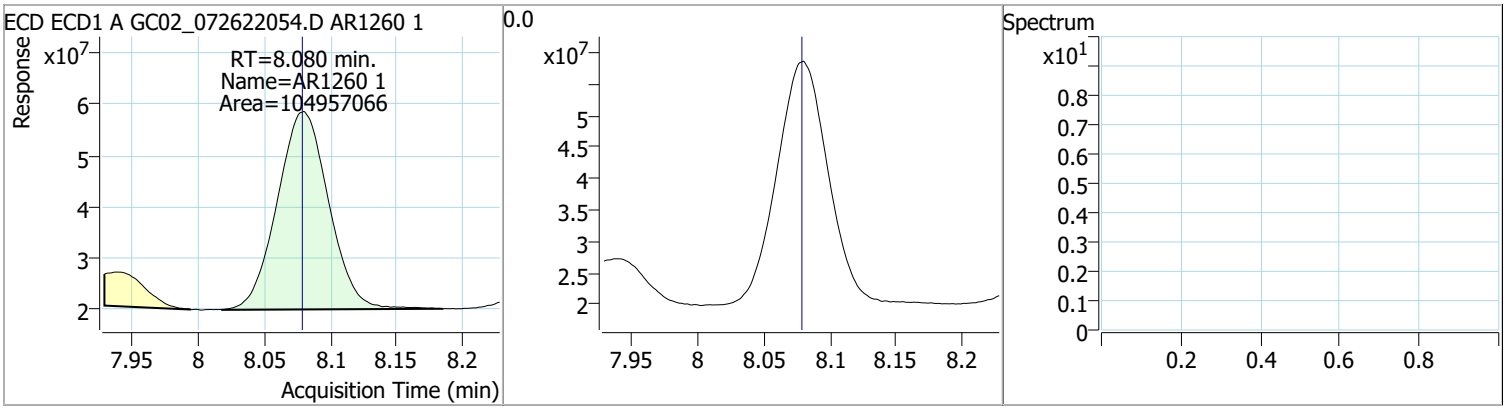
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	473.9622	6.57	0.00	4232178				



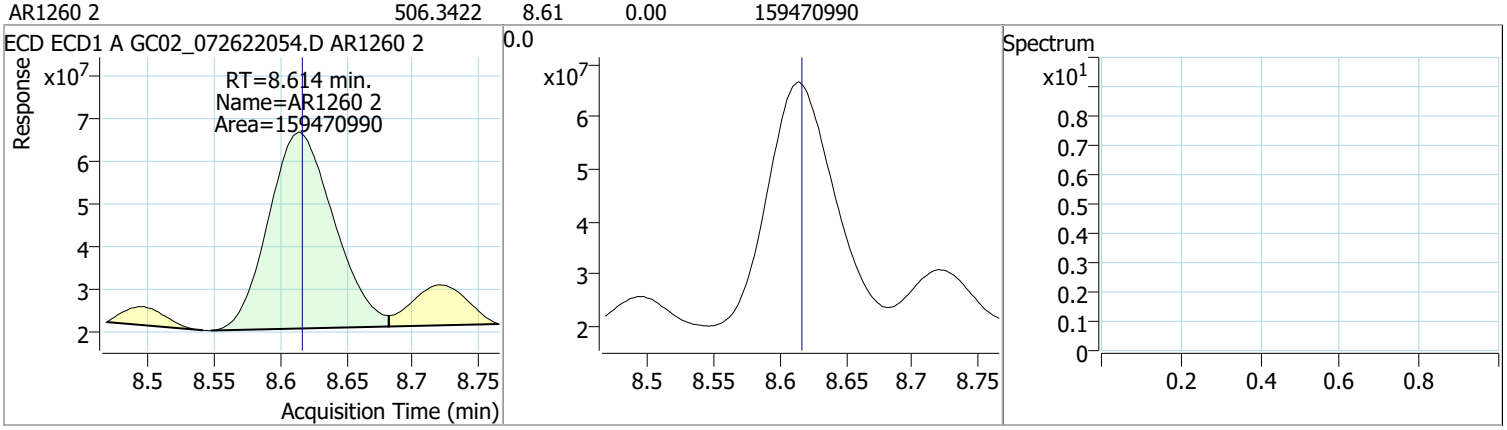
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	549.4935	7.39	0.00	3993918				



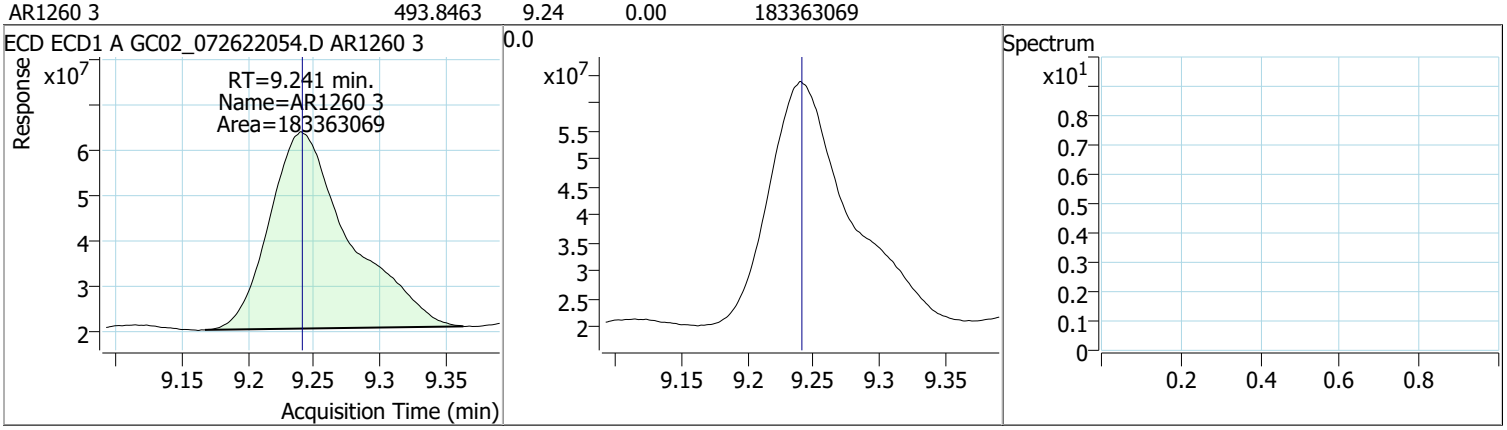
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	516.5417	8.08	0.00	104957066				



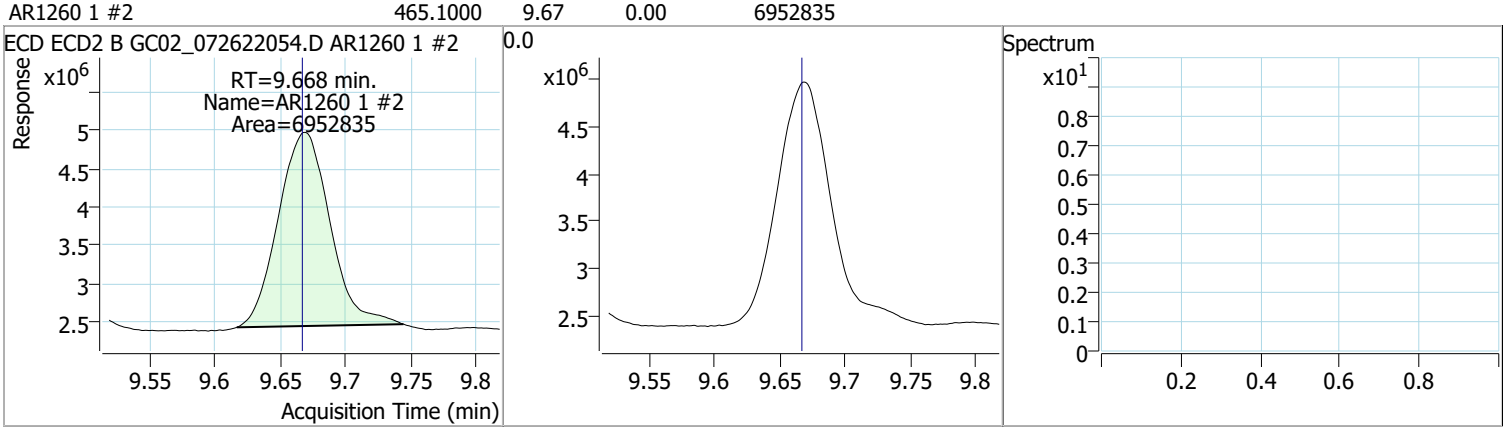
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	506.3422	8.61	0.00	159470990				



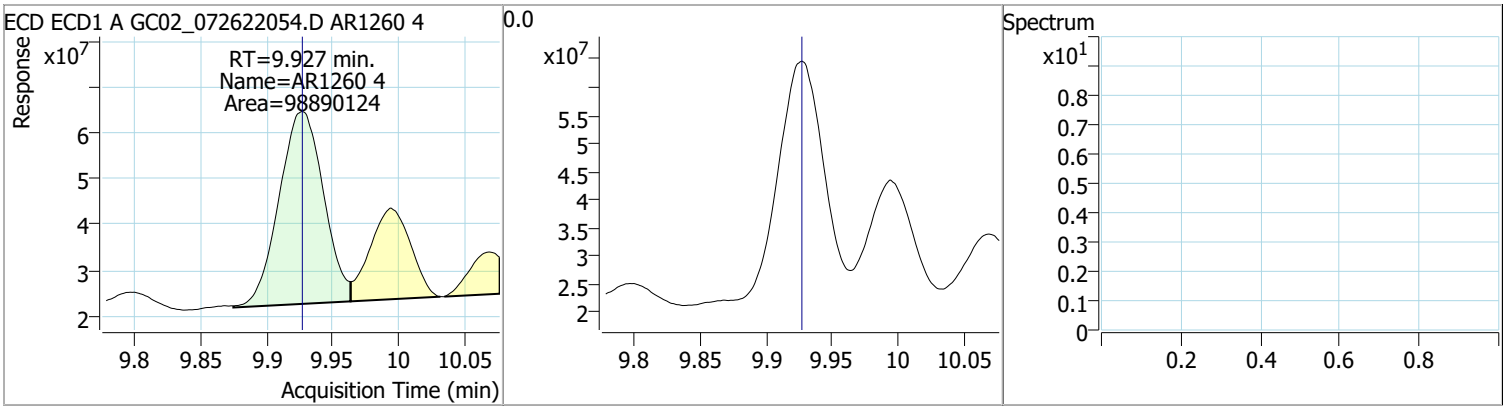
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	493.8463	9.24	0.00	183363069				



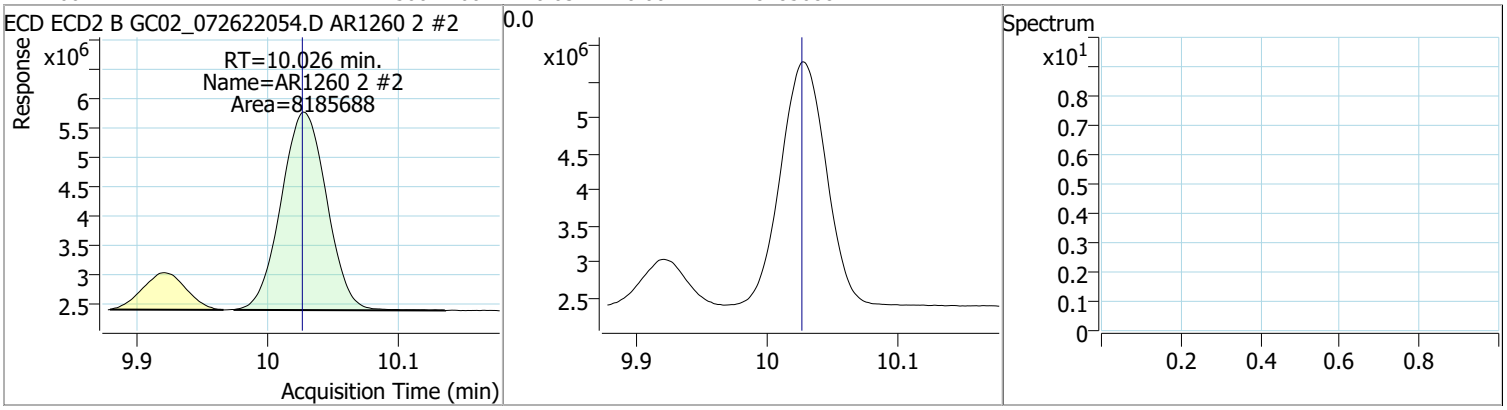
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	465.1000	9.67	0.00	6952835				



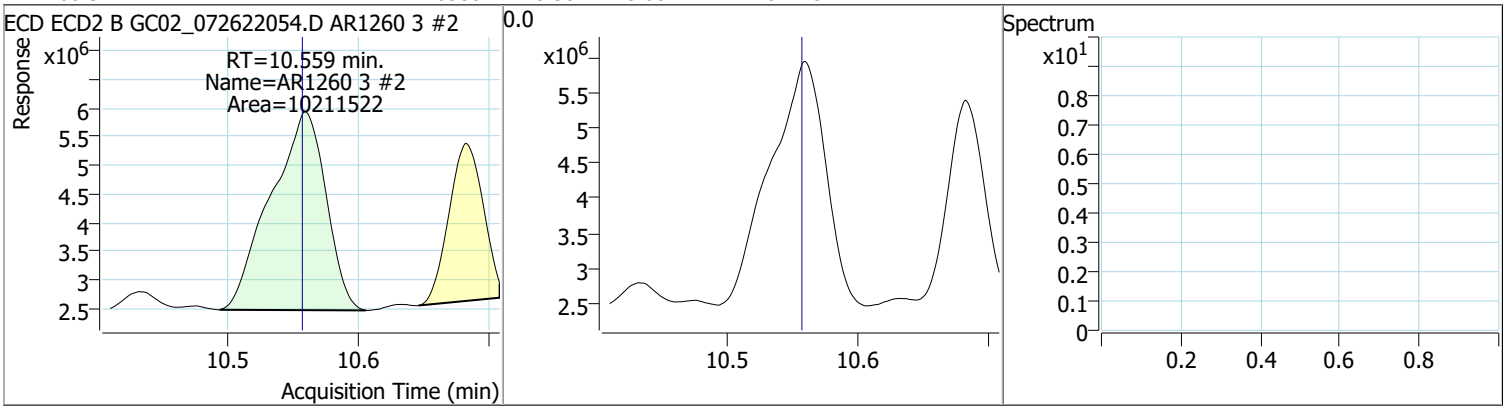
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	588.3933	9.93	0.00	98890124				



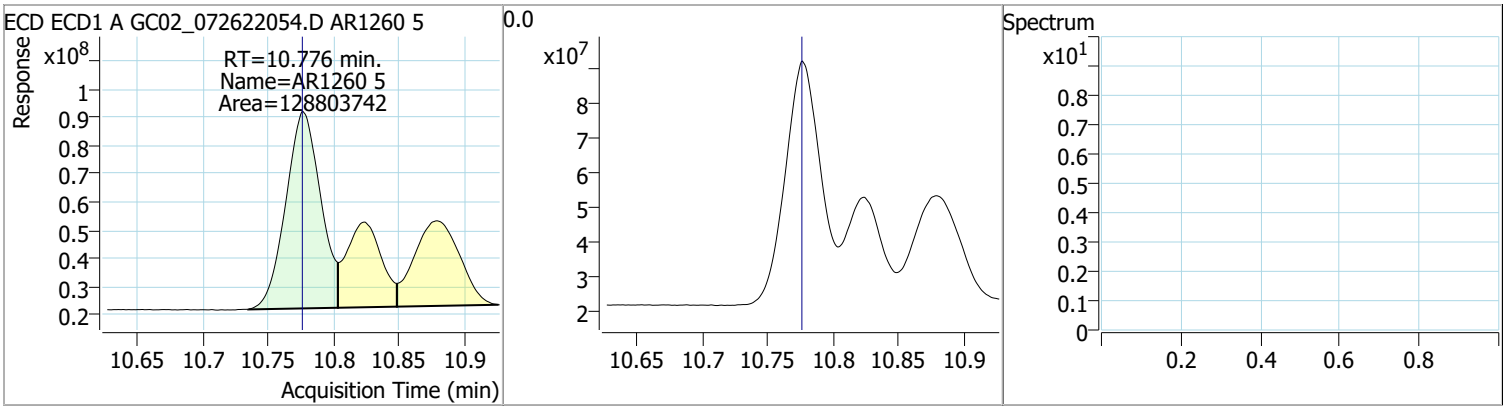
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	500.4160	10.03	0.00	8185688				



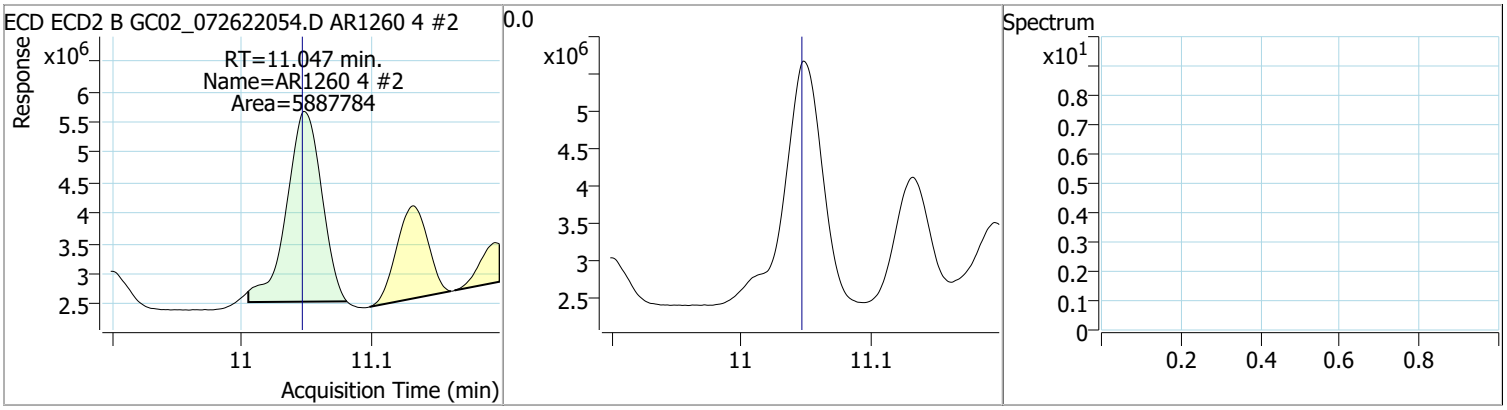
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	472.0580	10.56	0.00	10211522				



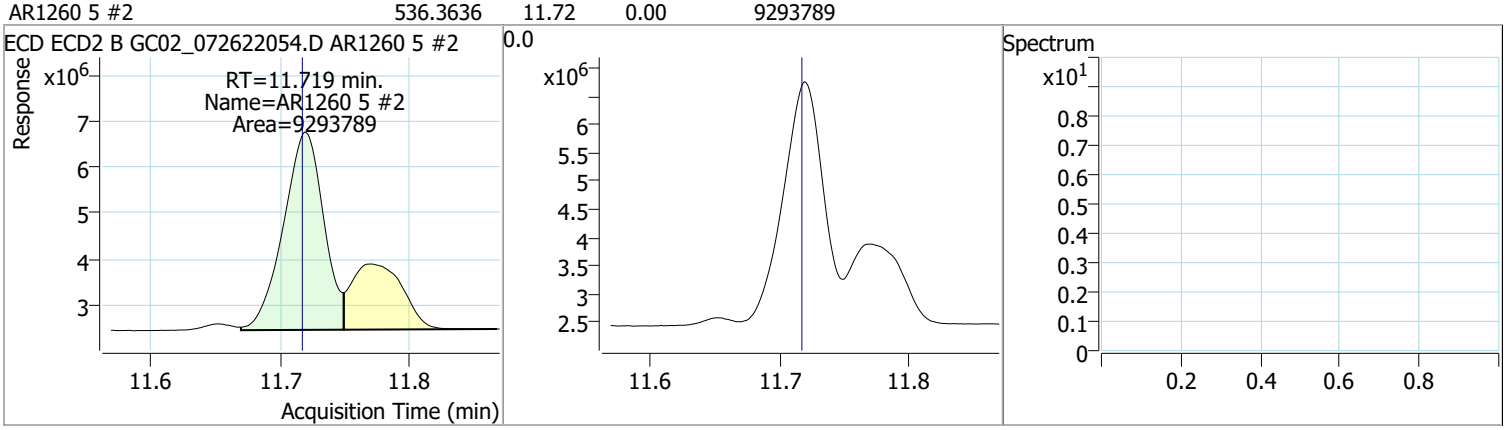
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	526.9279	10.78	0.00	128803742				



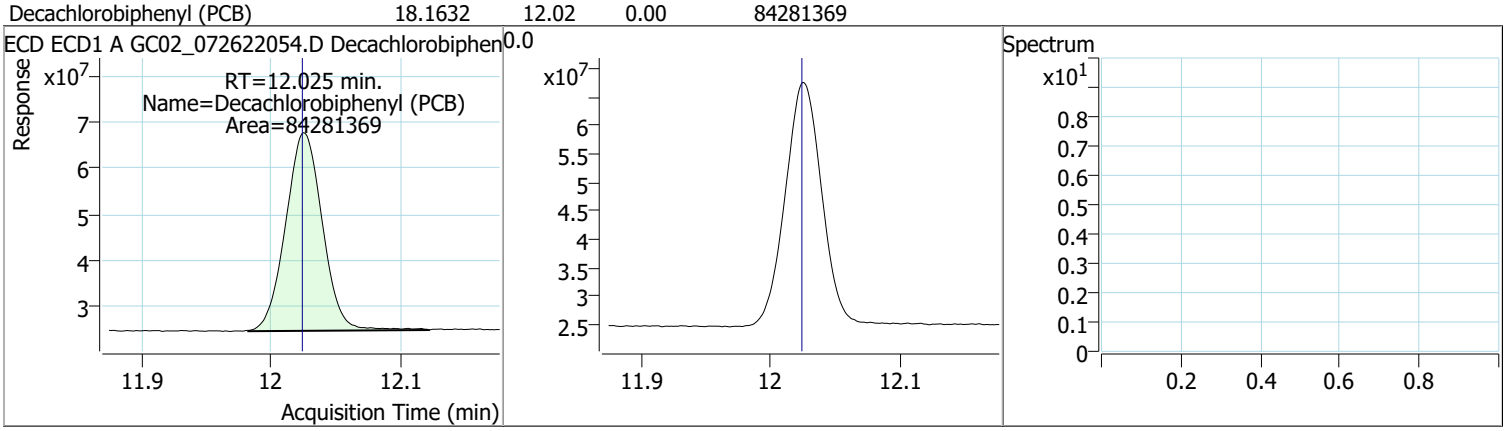
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	487.6573	11.05	0.00	5887784				



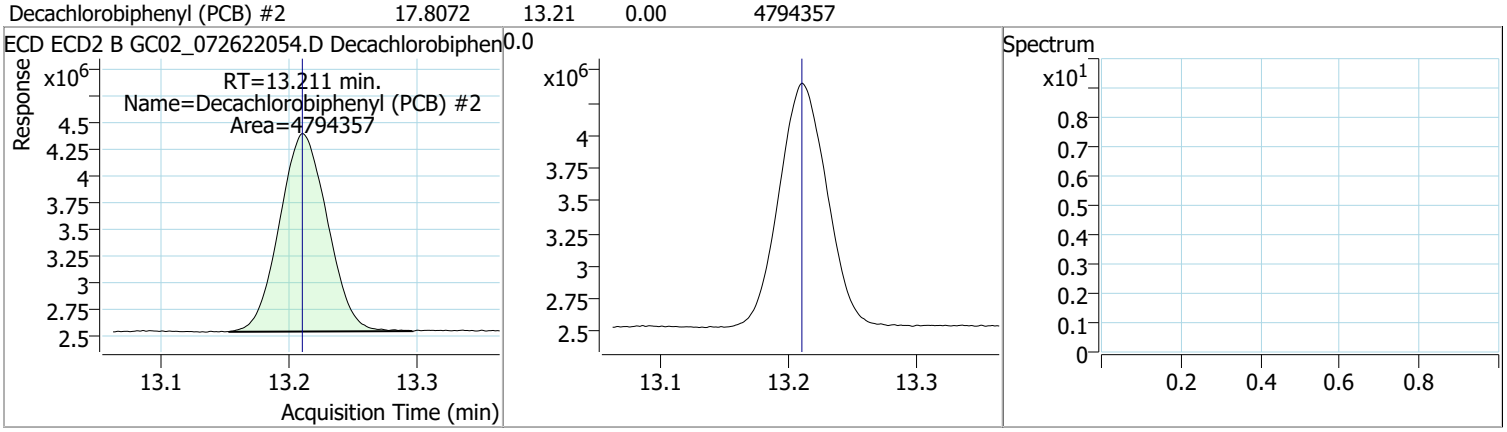
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	536.3636	11.72	0.00	9293789				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	18.1632	12.02	0.00	84281369				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	17.8072	13.21	0.00	4794357				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 465924 PCBS Wipe

EPA 8082

Inst:	SVOA-GC02			IDF:	1.0
Seqnum:	212298819054	File:	gc02_072622-054	Time:	27-JUL-2022 11:01
Cal:	212298819002	Caldate:	27-JUL-2022		

Standards: S16736

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	455.5	ug/L	-9	15	15	0.0000	
Aroclor-1260	A			500.0	526.6	ug/L	5	15	15	0.0000	
Decachlorobiphenyl (PCB)	A	0.9358	0.8501	20.00	18.17	ug/L	-9	15	15	0.0000	
TCMX (PCB)	A	0.7796	0.6304	20.00	16.17	ug/L	**-19**	15	15	0.0000	c-
Aroclor-1016	B			500.0	481.2	ug/L	-4	15	15	0.0000	
Aroclor-1260	B			500.0	492.4	ug/L	-2	15	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.0214	0.9096	20.00	17.81	ug/L	-11	15	15	0.0000	
TCMX (PCB)	B	0.9136	0.7594	20.00	16.62	ug/L	**-17**	15	15	0.0000	c-

ISTD (ICAL gc02_072622-045)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4436282	5270587	18.81
1-bromo-2-nitrobenzene (PCB)	A	83889003	99139019	18.18

TRN 07/27/22 : Manually integrated peak for coeluting peak,negative/positive baseline, both/one channel for multiple levels

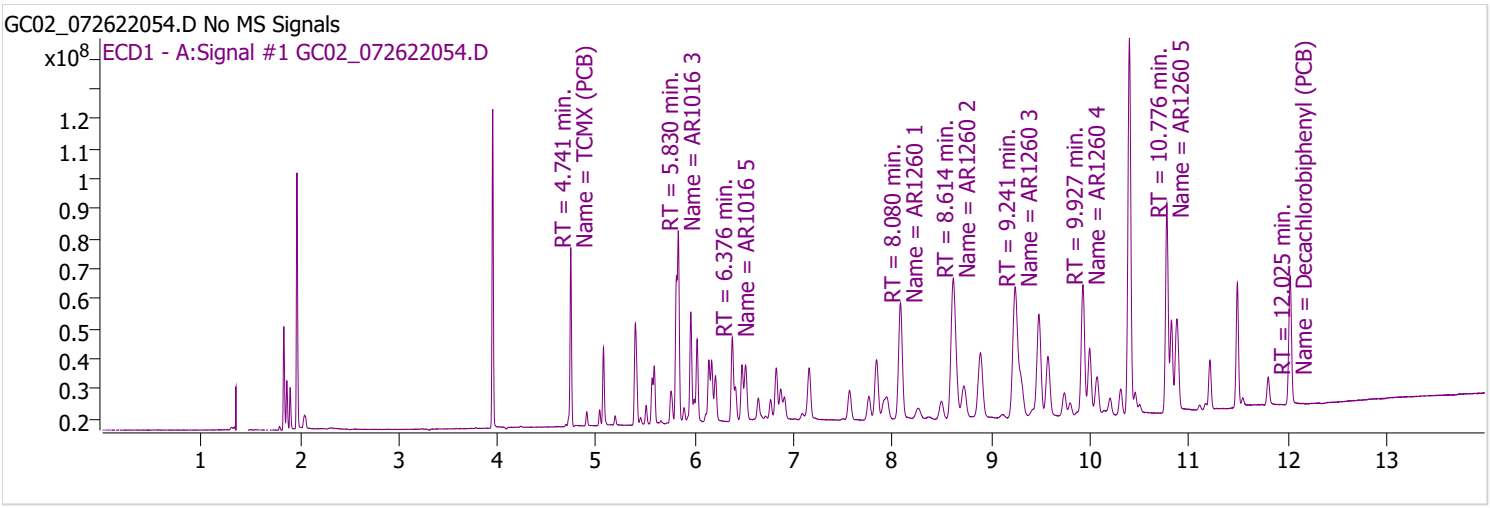
-=low bias c=CCV

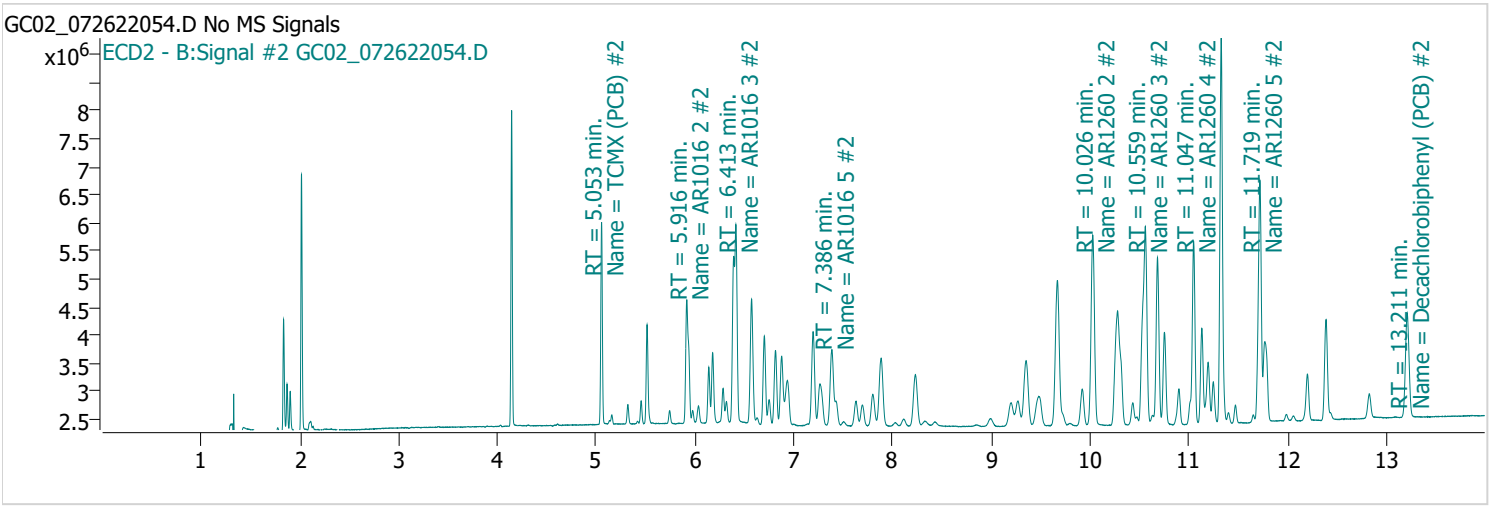
Analyst: TRN 07/27/22 *

Reviewer: LW 07/27/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_072622054.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	7/27/2022 11:01:21 AM
Sample Name	ICV, S16736	Instrument	SVOA-GC02
Vial	90	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_1.m	Comment	500 PPB PCB ICV
Tune File	ATUNE.U	Tune Date	
Batch Name	072622PCBICAL.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			



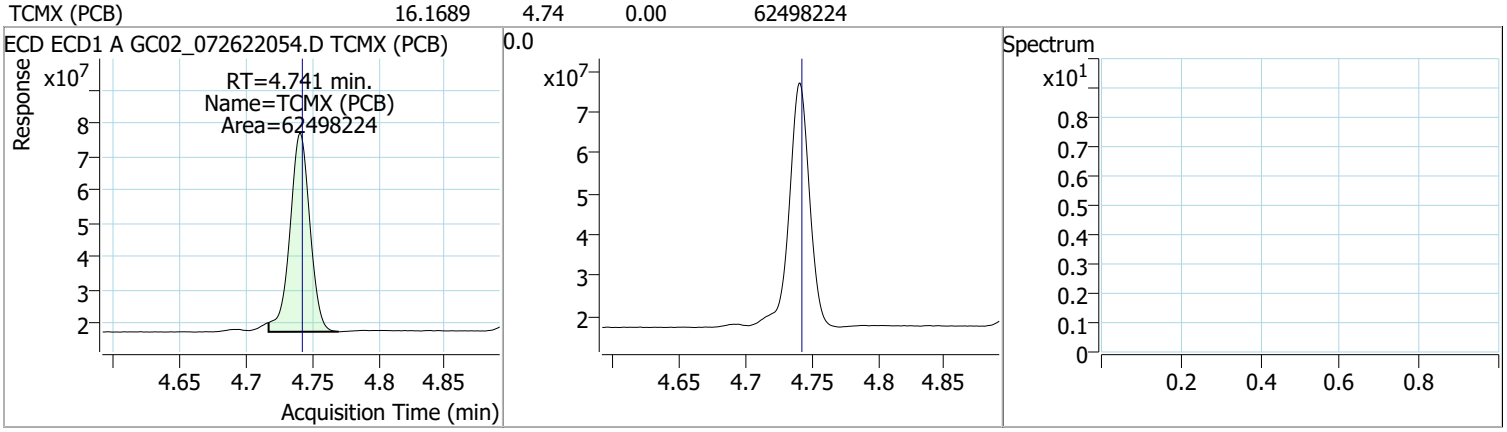


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.951	0.0	99139019.363	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.142	0.0	5270586.925	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB)	4.741	0.0	62498224.130	16.1689	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 80.84%		
S TCMX (PCB) #2	5.053	0.0	4002653.324	16.6204	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 83.10%		
S Decachlorobiphenyl (PCB)	12.025	0.0	84281368.816	18.1632	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 90.82%		
S Decachlorobiphenyl (PCB) #2	13.211	0.0	4794357.338	17.8072	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 89.04%		
Target Compounds						QValue

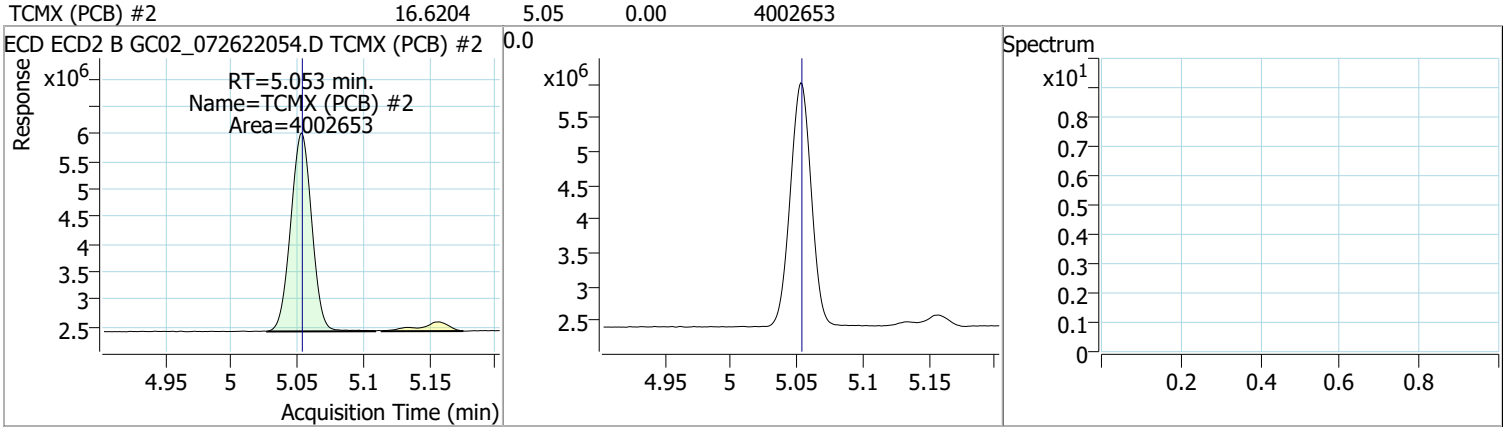
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.072	0.0	30716742.061	472.0004	ng/ml		100
T AR1016 2	5.396	0.0	57091663.658	454.4147	ng/ml		100
T AR1016 1 #2	5.514	0.0	2337008.994	470.6002	ng/ml		100
T AR1016 3	5.830	0.0	87741660.149	444.6686	ng/ml	m	100
T AR1016 2 #2	5.916	0.0	4654317.006	457.0057	ng/ml		100
T AR1016 4	5.956	0.0	51741078.130	448.1901	ng/ml		100
T AR1016 5	6.376	0.0	46317175.952	457.9841	ng/ml		100
T AR1016 3 #2	6.413	0.0	5732226.185	454.2727	ng/ml	m	100
T AR1016 4 #2	6.572	0.0	4232178.227	473.9622	ng/ml		100
T AR1016 5 #2	7.386	0.0	3993917.571	549.4935	ng/ml		100
T AR1260 1	8.080	0.0	104957065.533	516.5417	ng/ml		100
T AR1260 2	8.614	0.0	159470990.314	506.3422	ng/ml		100
T AR1260 3	9.241	0.0	183363068.707	493.8463	ng/ml		100
T AR1260 1 #2	9.668	0.0	6952834.748	465.1000	ng/ml		100
T AR1260 4	9.927	0.0	98890124.192	588.3933	ng/ml		100
T AR1260 2 #2	10.026	0.0	8185687.977	500.4160	ng/ml		100
T AR1260 3 #2	10.559	0.0	10211521.600	472.0580	ng/ml		100
T AR1260 5	10.776	0.0	128803742.453	526.9279	ng/ml		100
T AR1260 4 #2	11.047	0.0	5887783.994	487.6573	ng/ml		100
T AR1260 5 #2	11.719	0.0	9293788.681	536.3636	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

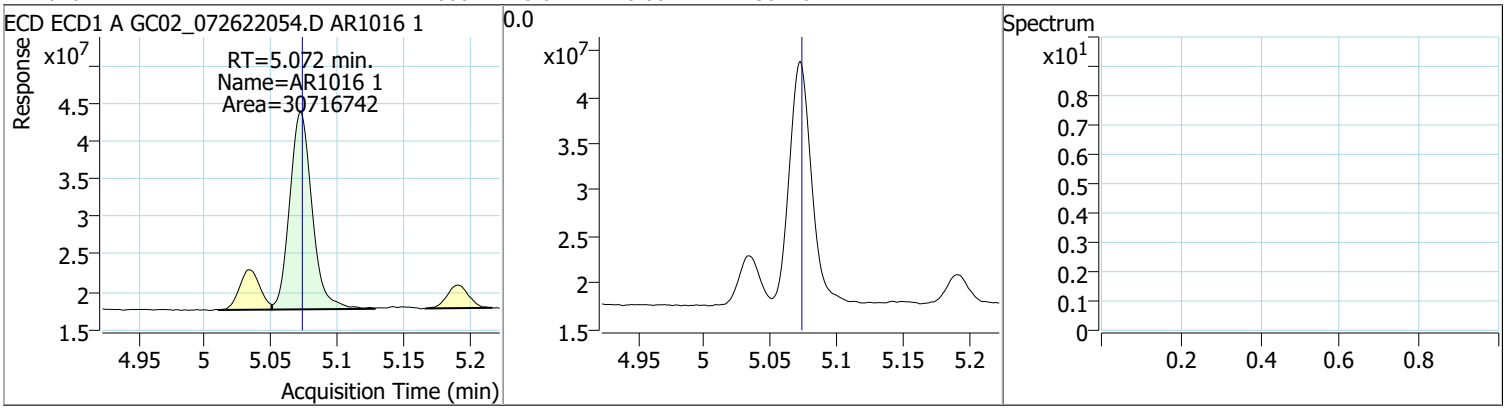
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	16.1689	4.74	0.00	62498224				



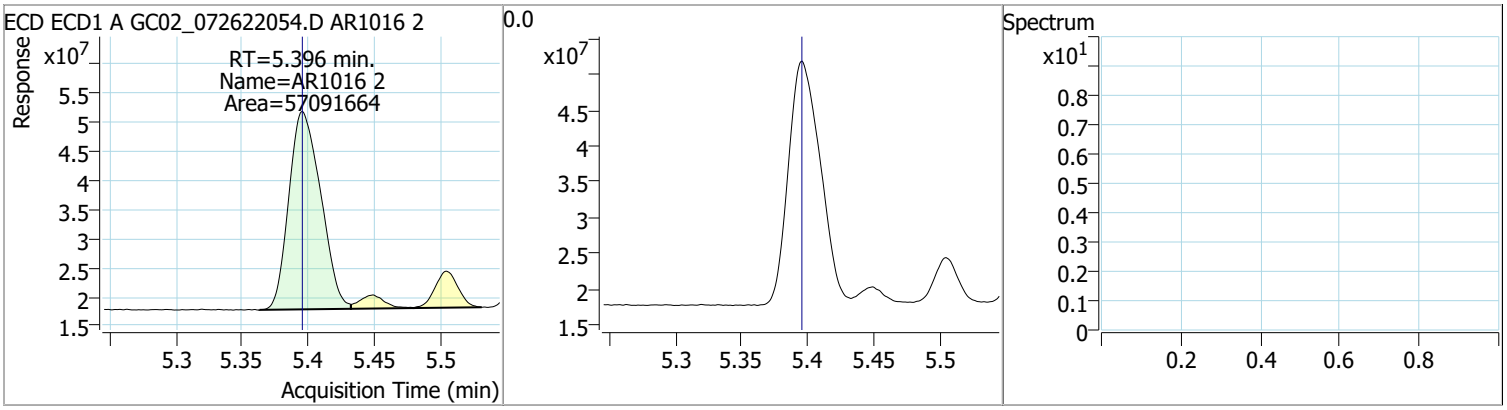
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	16.6204	5.05	0.00	4002653				



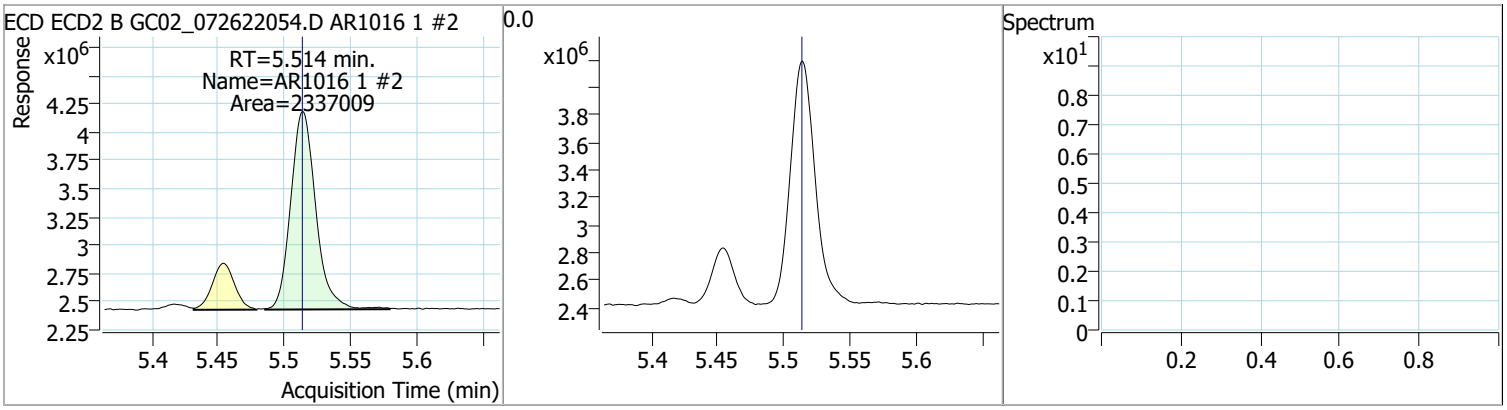
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	472.0004	5.07	0.00	30716742				



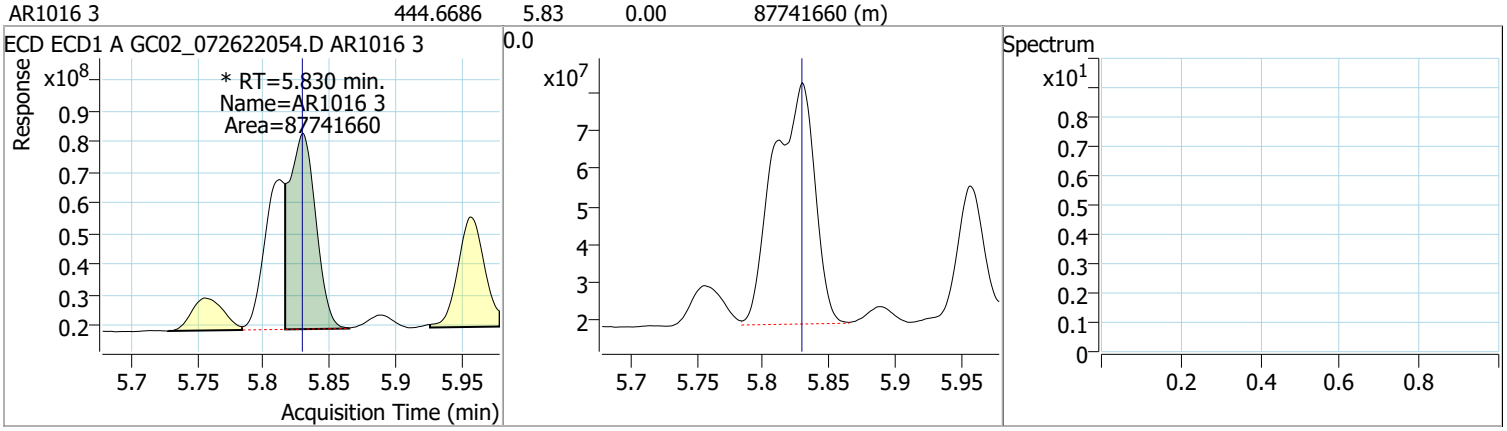
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	454.4147	5.40	0.00	57091664				



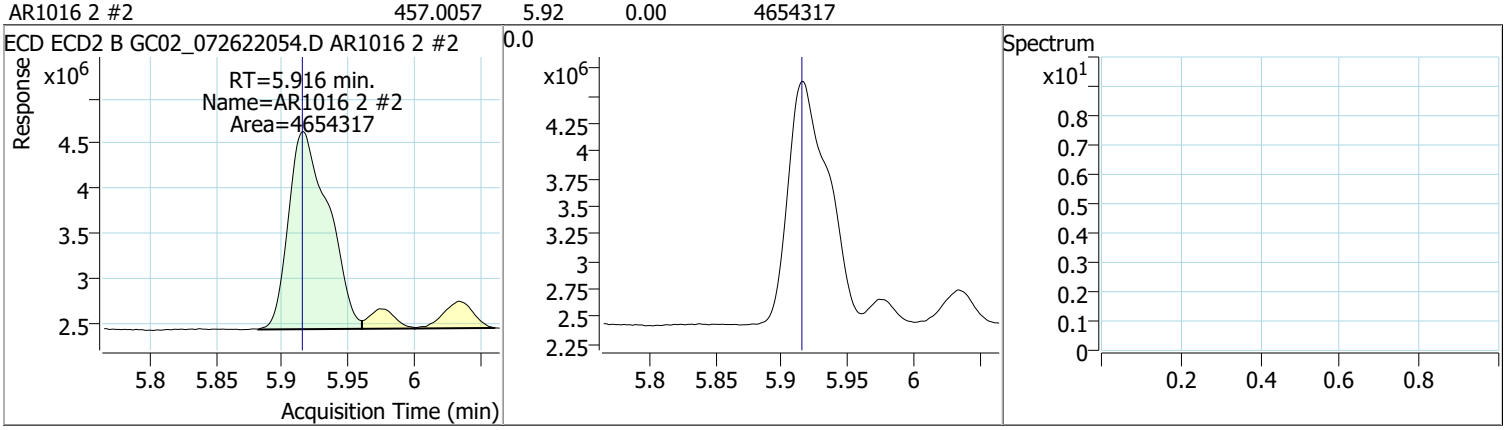
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	470.6002	5.51	0.00	2337009				



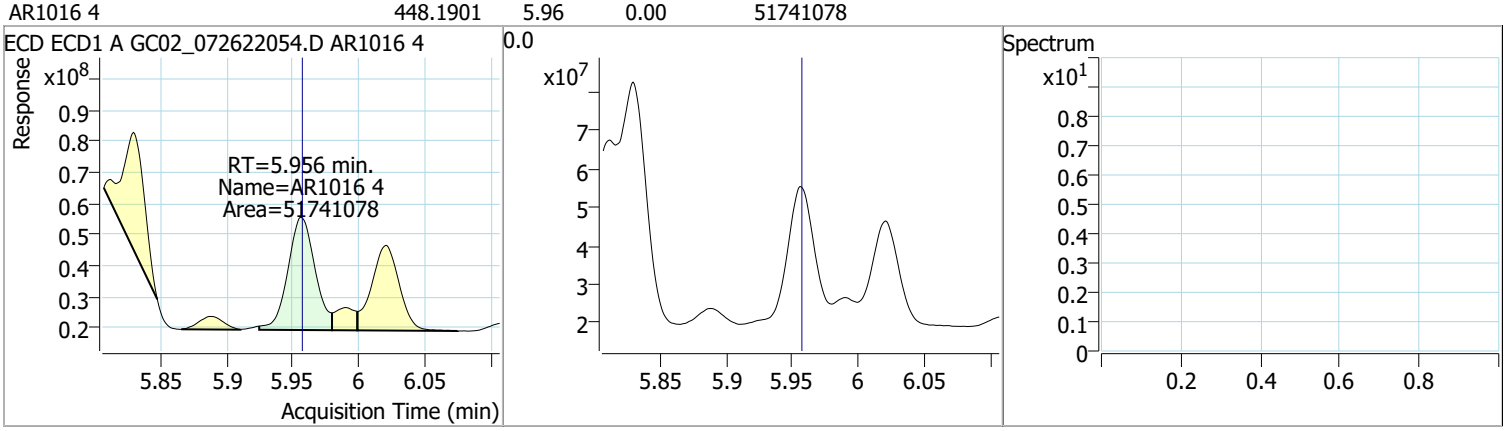
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	444.6686	5.83	0.00	87741660 (m)				



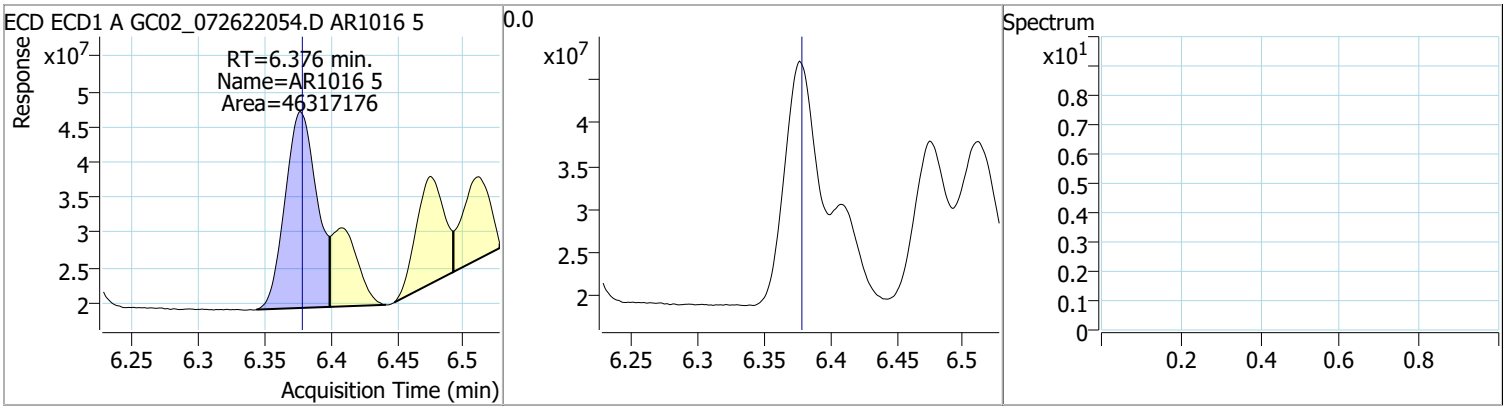
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	457.0057	5.92	0.00	4654317				



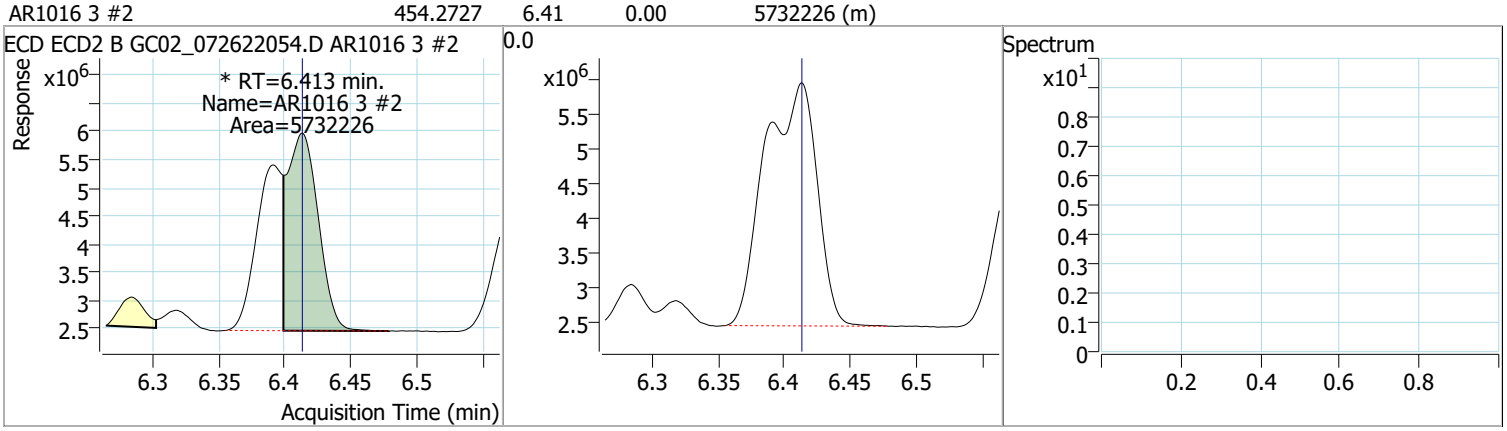
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	448.1901	5.96	0.00	51741078				



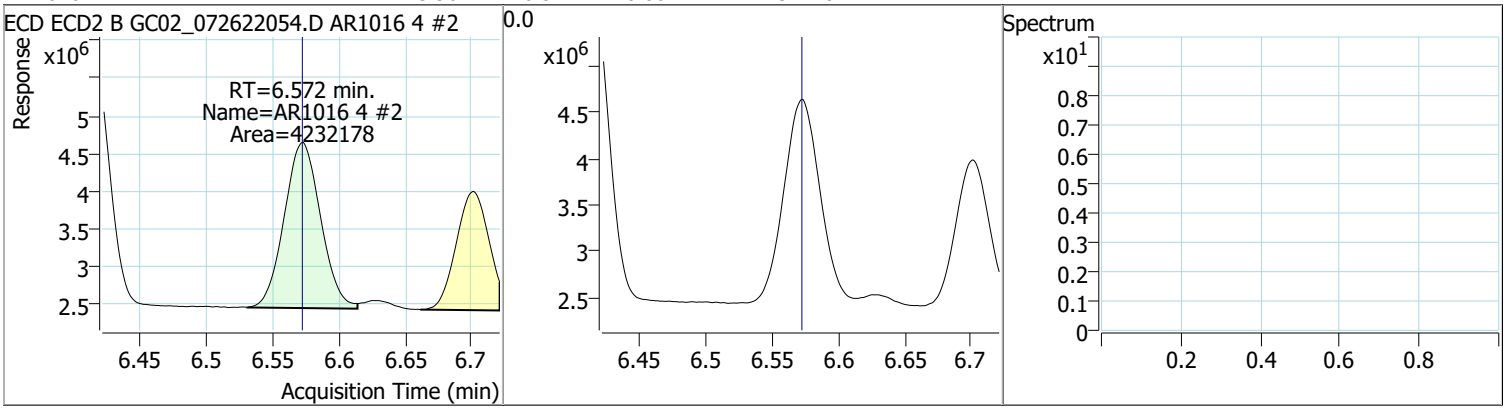
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	457.9841	6.38	0.00	46317176				



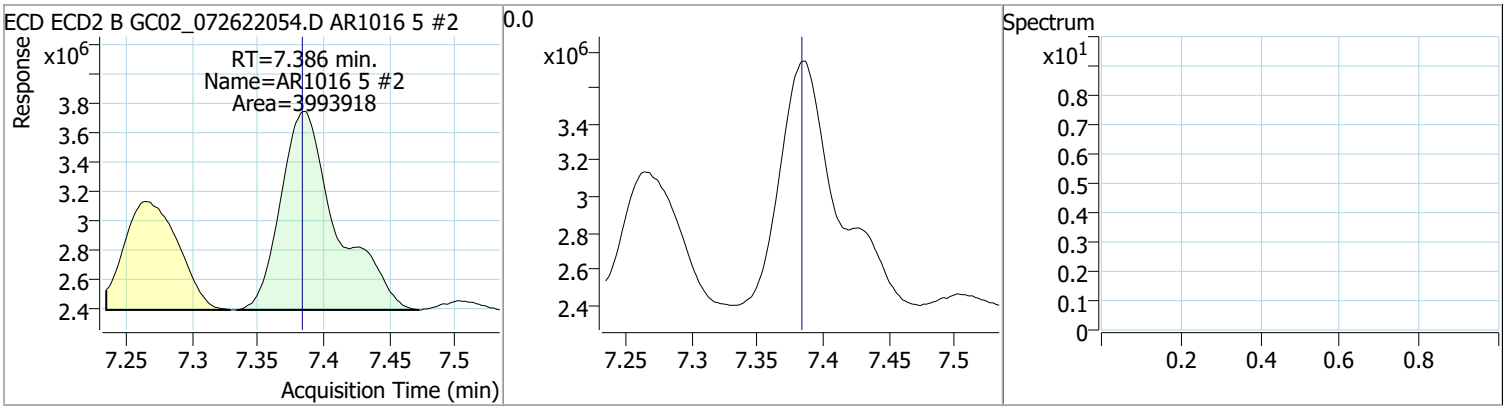
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	454.2727	6.41	0.00	5732226 (m)				



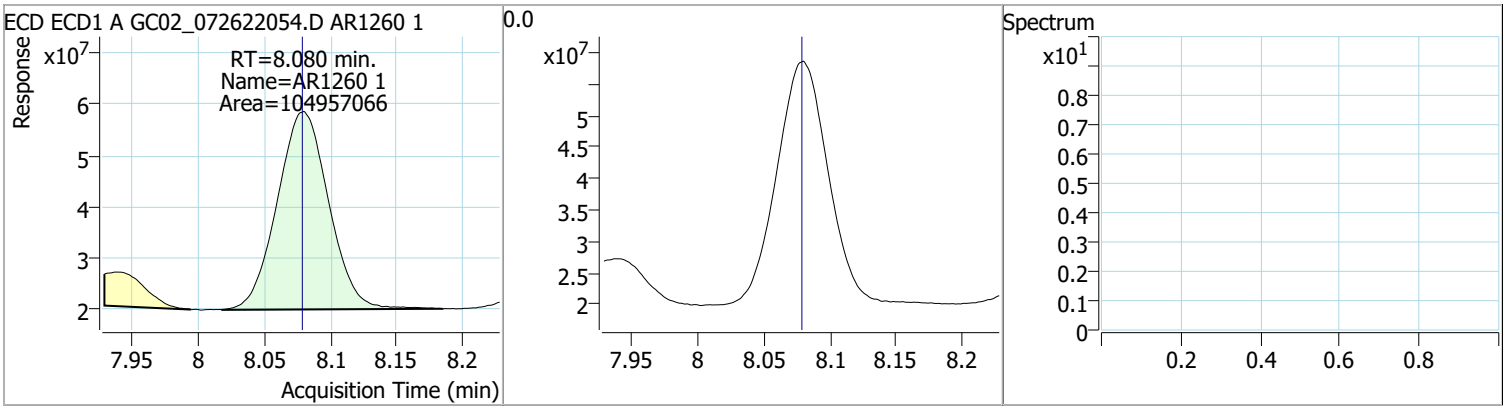
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	473.9622	6.57	0.00	4232178				



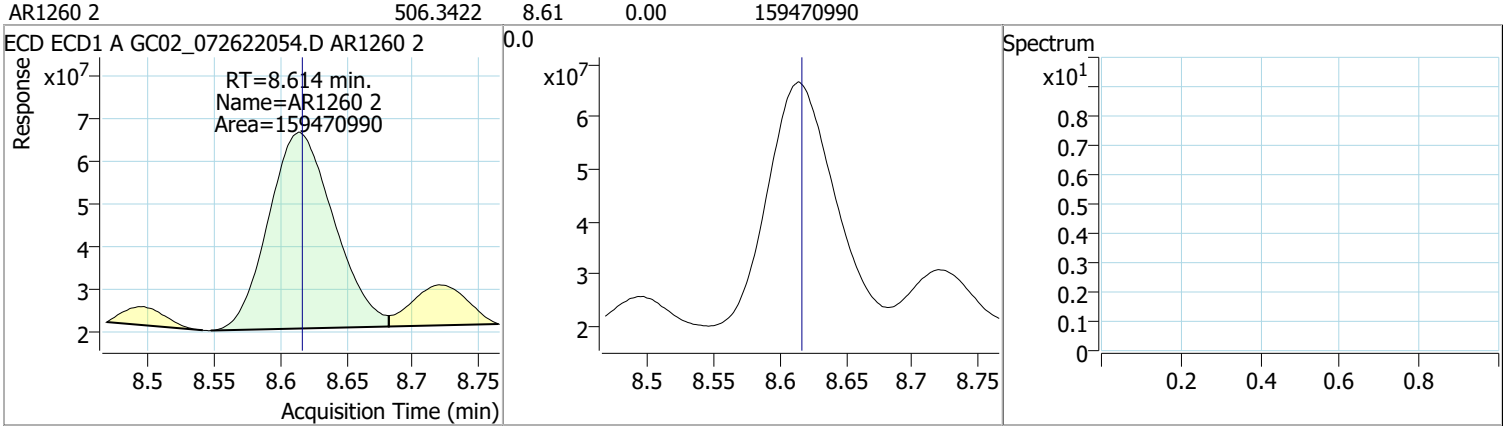
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	549.4935	7.39	0.00	3993918				



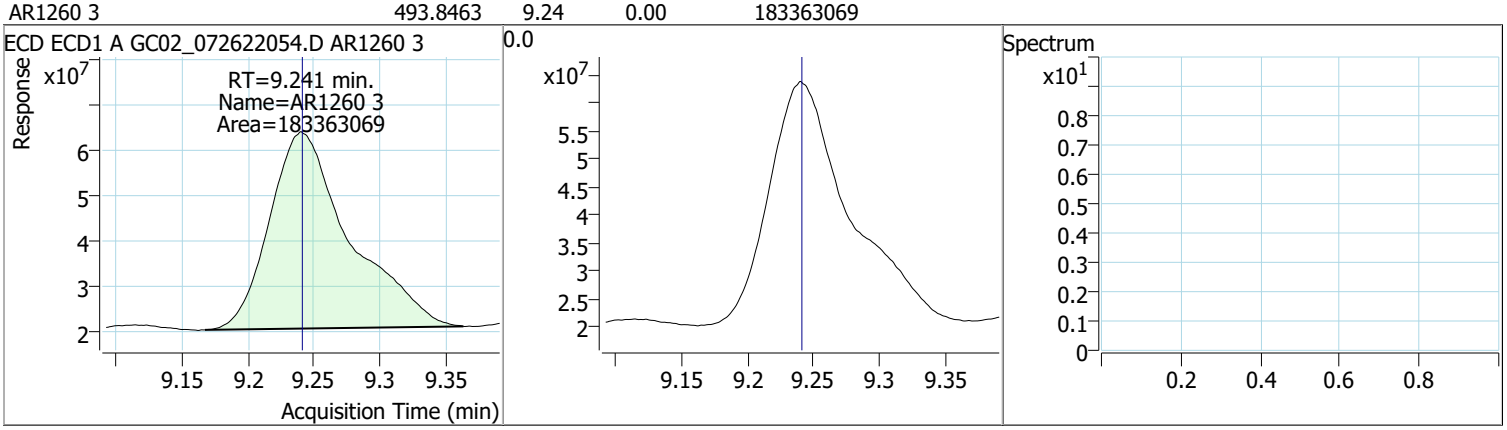
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	516.5417	8.08	0.00	104957066				



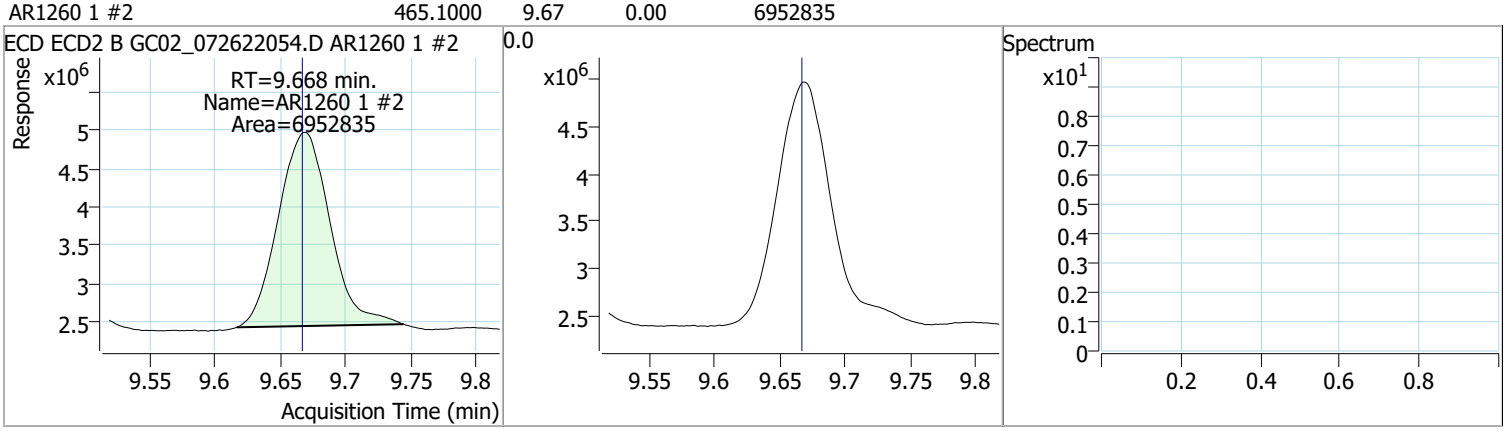
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	506.3422	8.61	0.00	159470990				



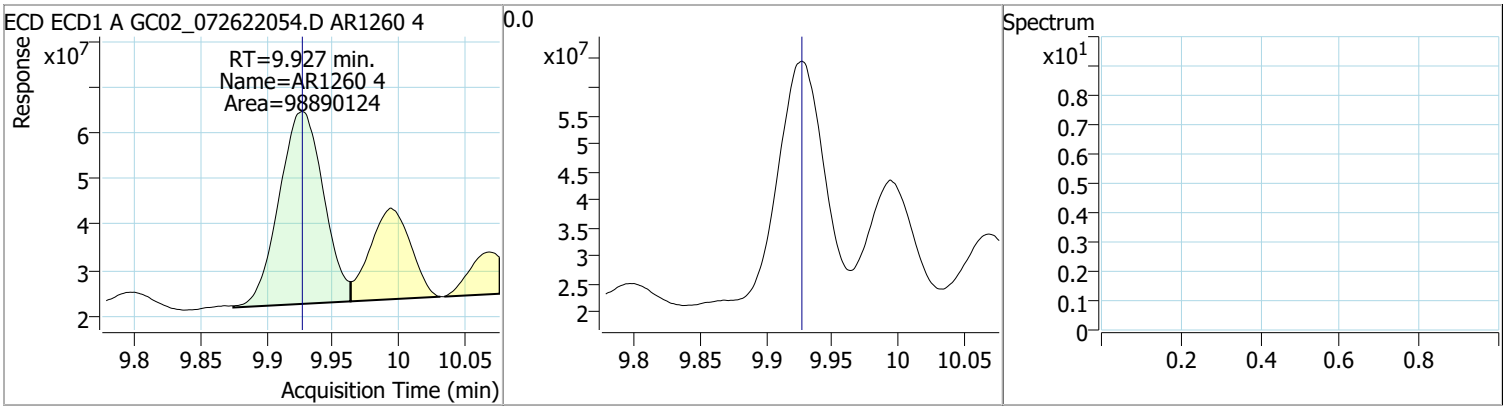
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	493.8463	9.24	0.00	183363069				



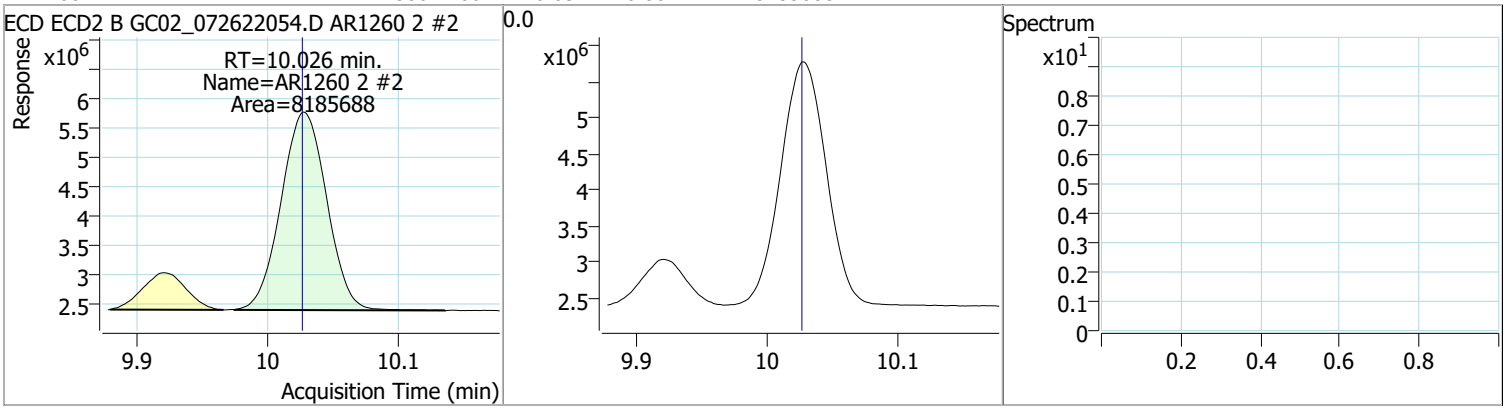
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	465.1000	9.67	0.00	6952835				



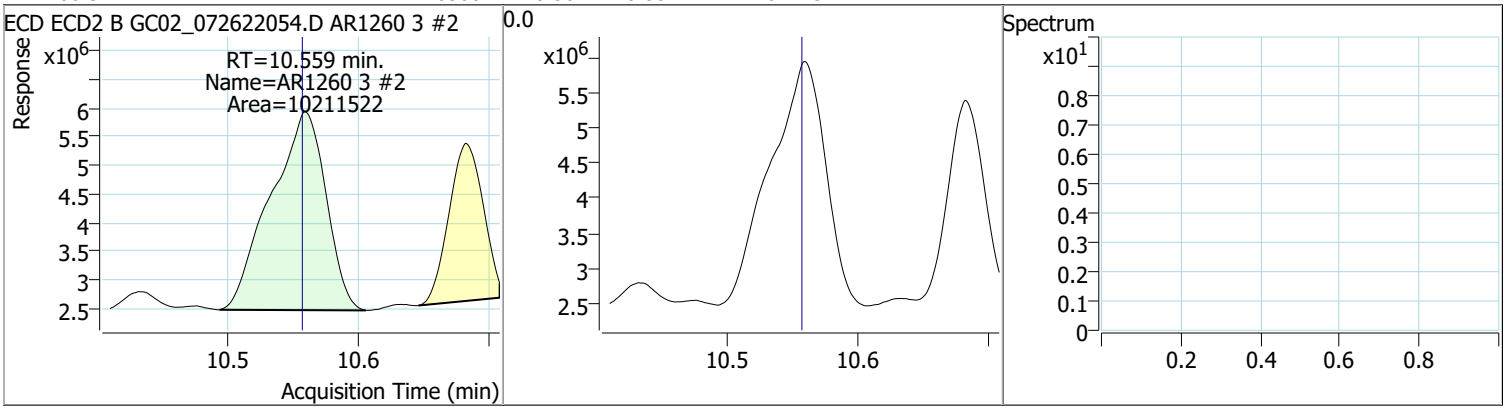
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	588.3933	9.93	0.00	98890124				



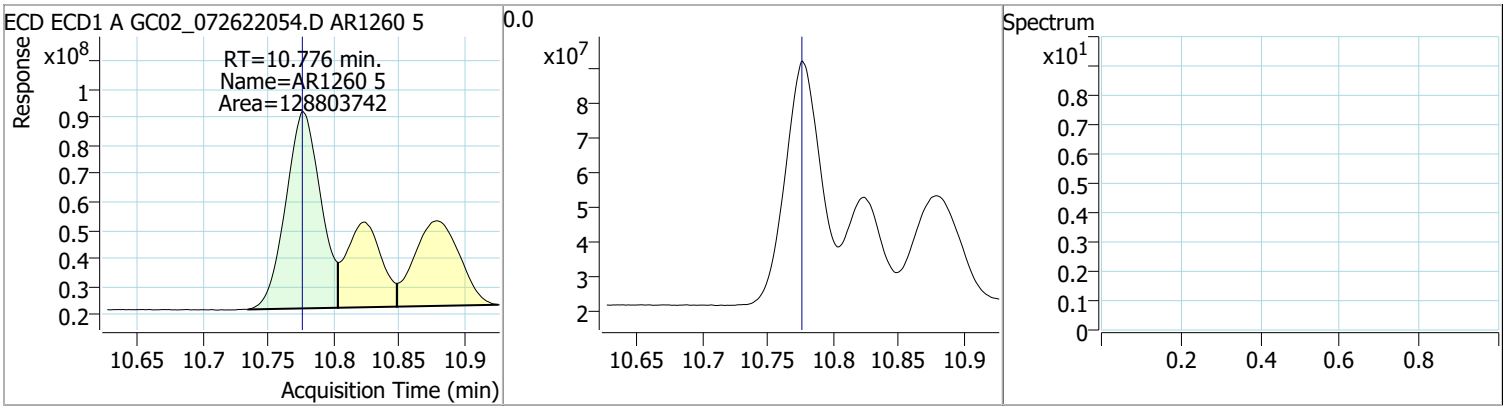
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	500.4160	10.03	0.00	8185688				



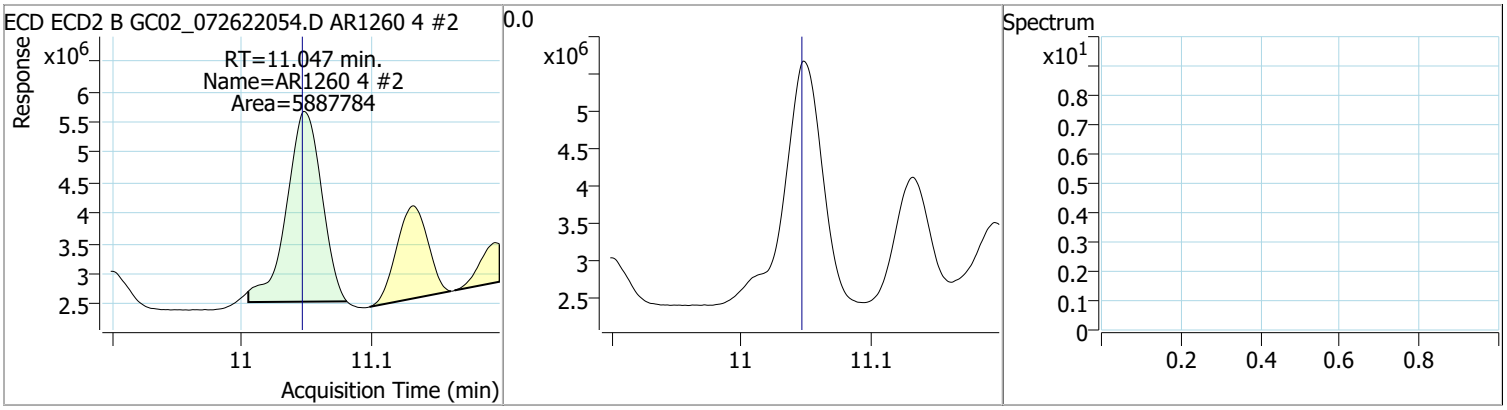
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	472.0580	10.56	0.00	10211522				



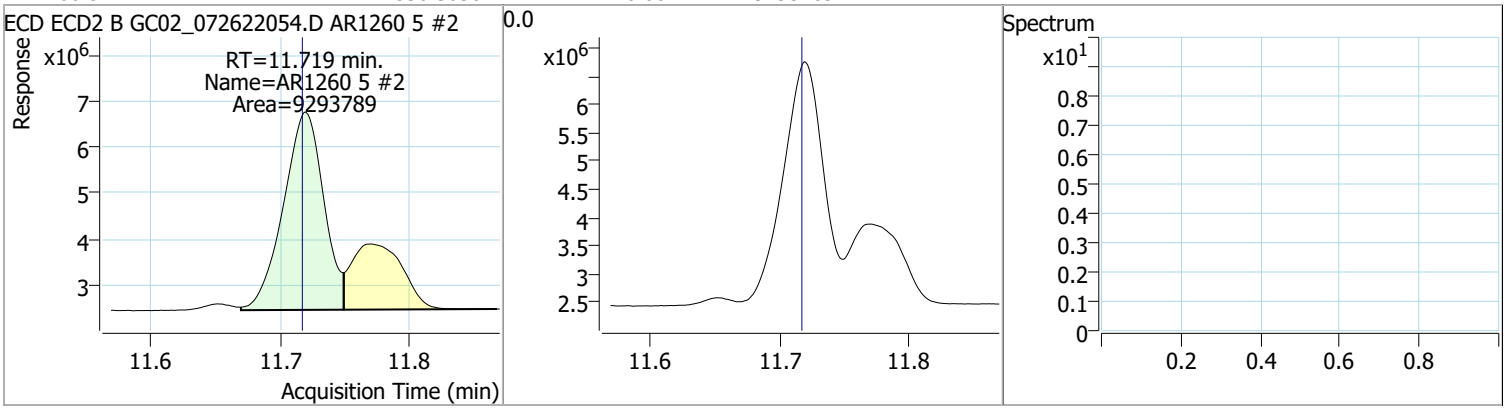
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	526.9279	10.78	0.00	128803742				



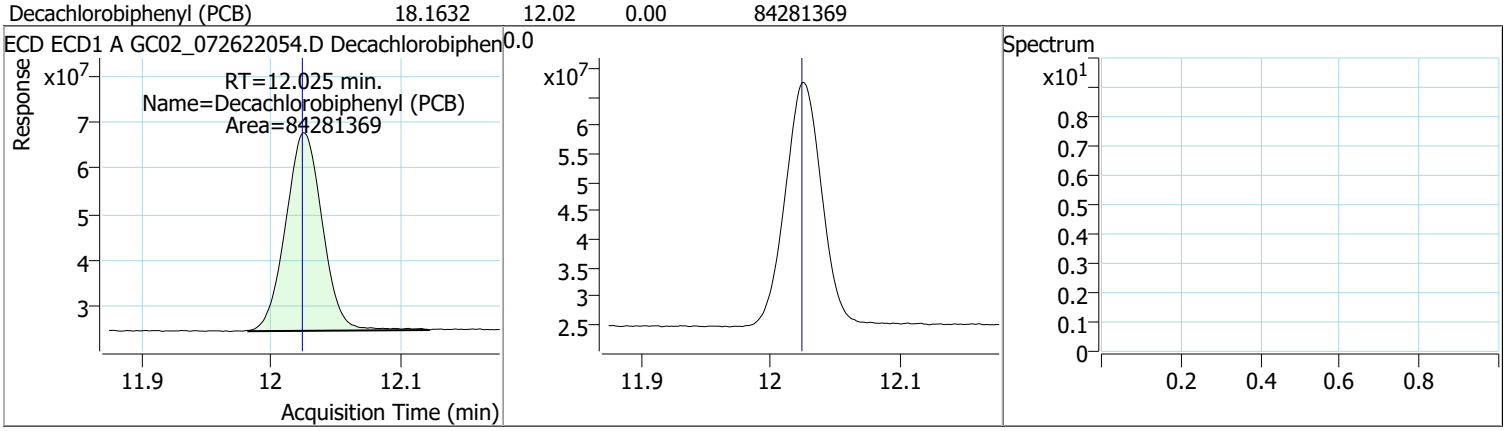
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	487.6573	11.05	0.00	5887784				



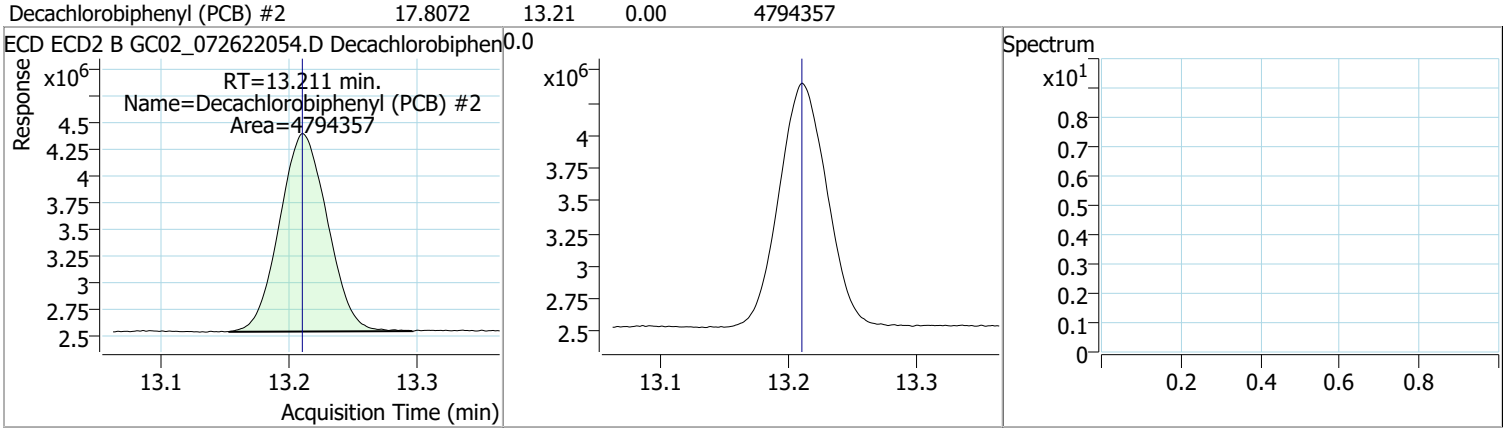
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	536.3636	11.72	0.00	9293789				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	18.1632	12.02	0.00	84281369				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	17.8072	13.21	0.00	4794357				



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 465924
Report Level: IV
Report Date: 01/06/2023

Metals

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker Rincon Consultants 449 15th Street #303 Oakland, CA 94612		Lab Job #: Project No: Location: Date Received:	465924 20-10491 Hangar 1 NTCRA 07/19/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.1GW-DG-3 TO 16-220718-L-LA	465924-002	07/18/22 10:42	Wipe
DOOR-N-0.2GW-EXT-3 TO 4-220718-L-CB	465924-004	07/18/22 07:23	Wipe

ENTHALPY ANALYTICAL

Case Narrative

METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 465924 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 07/19/22

This data package contains sample and QC results for two wipe samples, requested for the above referenced project on 07/19/22. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

ENTHALPY ANALYTICAL

Chain of Custody Record

165924 COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	Tyler Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
1	DOOR-N-0.1GW-DG-3 TO 16-2207 1B-P- LA	7/18/2022	1042	WP	1		X		
2	DOOR-N-0.1GW-DG-3 TO 16-2207 1B-L- LA	7/18/2022	1042	WP	1			X	
3	DOOR-N-0.2GW-EXT-3 TO 4-2207 1B-P- CB	7/18/2022	0723	WP	1		X		
4	DOOR-N-0.2GW-EXT-3 TO 4-2207 1B-L- CB	7/18/2022	0723	WP	1			X	
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure C

2x Rivet Type 1 = 0.0276 ft² added area

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Donald Welsh Yanitz	Rincon Consultants	7/18/22 18:00
1 Received By:			EA	7/19/2022 09:25
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Hangar 1 - NCTRA WP

Date Received: 7/19/2022

Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.3 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: fedex

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☑ Other Plastic bags

Cooler Temp (°C): #1: 3.4 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?	✓		
If custody seals are present, were they intact?	✓		
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

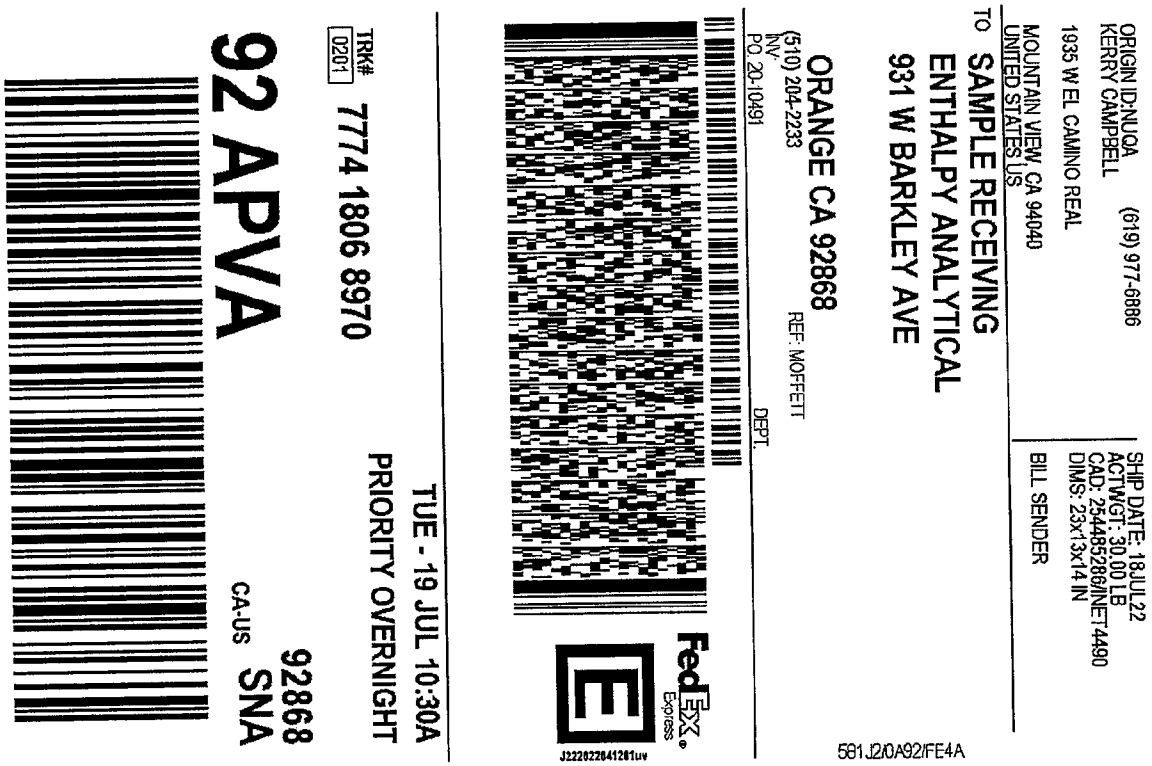
Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: ymita Date: 7/19/2022



After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 465924 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.1GW-DG-3 TO 16-220718-L-LA **Batch#:** 293294 **Prep:** EPA 3050B

Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 6010B

Lab ID: 465924-002 **Received:** 07/19/22 **Analyst:** SBW

Matrix: Wipe **Prepared:** 07/19/22

Diln Fac: 1.000 **Analyzed:** 07/20/22

465924-002 Analyte	Result	RL	Units
Lead	**59**	0.97	ug/ft2

Field ID: DOOR-N-0.2GW-EXT-3 TO 4-220718-L-CB **Batch#:** 293294 **Prep:** EPA 3050B

Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 6010B

Lab ID: 465924-004 **Received:** 07/19/22 **Analyst:** SBW

Matrix: Wipe **Prepared:** 07/19/22

Diln Fac: 1.000 **Analyzed:** 07/20/22

465924-004 Analyte	Result	RL	Units
Lead	**140**	1.0	ug/ft2

Type: BLANK **Batch#:** 293294 **Analysis:** EPA 6010B

Lab ID: QC1001452 **Prepared:** 07/19/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 07/20/22

Diln Fac: 1.000 **Prep:** EPA 3050B

QC1001452 Analyte	Result	RL	Units
Lead	ND	1.0	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 465924 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 293294 **Analysis:** EPA 6010B

Lab ID: QC1001453 **Prepared:** 07/19/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 07/20/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1001453 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	114.0	114	80-120	ug/ft2

Type: BSD **Batch#:** 293294 **Analysis:** EPA 6010B

Lab ID: QC1001454 **Prepared:** 07/19/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 07/20/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1001454 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	106.3	106	80-120	ug/ft2	7	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 465924 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB	
465924-002	MET02	07/20/22 20:15	1.0	+	
465924-004	MET02	07/20/22 20:19	1.0	+	
QC1001452	MET02	07/20/22 18:55	1.0	+	
QC1001453	MET02	07/20/22 18:59	1.0	+	
QC1001454	MET02	07/20/22 19:03	1.0	+	

Enthalpy Sequence Summary for Sequence 22290114

Instrument : MET02 Begun : 07/20/22 11:14
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met02_hg_062822	ICALBLK				07/20/22 11:14	1.0	1	
002	met02_hg_062822	ICALBLK				07/20/22 11:20	1.0	1	
003	met02_hg_062822	ICAL	ICAL1			07/20/22 11:24	1.0	2 1	
004	met02_hg_062822	ICAL	ICAL2			07/20/22 11:28	1.0	3 1	
005	met02_hg_062822	ICAL	ICAL3			07/20/22 11:32	1.0	4 1	
006	met02_hg_062822	ICAL	ICAL4			07/20/22 11:36	1.0	5 1	
007	met02_hg_062822	ICAL	ICAL5			07/20/22 11:39	1.0	6 1	
008	met02_hg_062822	ICAL	ICAL6			07/20/22 11:42	1.0	7 1	
009	met02_hg_062822	ICAL	ICAL7			07/20/22 11:45	1.0	8 1	
010	met02_hg_062822	ICAL	ICAL8			07/20/22 11:49	1.0	9 1	
011	met02_hg_062822	XICV				07/20/22 11:52	1.0	10 1	
012	met02_hg_062822	XICB				07/20/22 12:29	1.0	1	
013	met02_hg_062822	ICV				07/20/22 12:38	1.0	10 1	
014	met02_hg_062822	ICB				07/20/22 12:49	1.0	1	
015	met02_hg_062822	ICB				07/20/22 12:54	1.0	1	
016	met02_hg_062822	ICSA				07/20/22 12:58	1.0	11 1	4:MGASMGCO3=1500
017	met02_hg_062822	ICSAB				07/20/22 13:01	1.0	12 1	4:MGASMGCO3=1500
018	met02_hg_062822	CRI				07/20/22 13:04	1.0	13 1	
019	met02_hg_062822	MSS	464984-001	Soil	293123	07/20/22 13:08	1.0	1	3:FEASFE2O3=260
020	met02_hg_062822	MS	QC1000910	Soil	293123	07/20/22 13:11	1.0	1	3:ALASAL2O3=350
021	met02_hg_062822	MSD	QC1000911	Soil	293123	07/20/22 13:15	1.0	1	3:ALASAL2O3=380
022	met02_hg_062822	BLANK	QC1001244	Soil	293219	07/20/22 13:21	1.0	1	4:MGASMGCO3=1500
023	met02_hg_062822	LCS	QC1001245	Soil	293219	07/20/22 13:24	1.0	1	4:MGASMGCO3=1400
024	met02_hg_062822	MSS	465548-001	Soil	293219	07/20/22 13:27	1.0	1	
025	met02_hg_062822	MS	QC1001246	Soil	293219	07/20/22 13:31	1.0	1	
026	met02_hg_062822	MSD	QC1001247	Soil	293219	07/20/22 13:35	1.0	1	
027	met02_hg_062822	CCV				07/20/22 13:39	1.0	10 1	
028	met02_hg_062822	CCB				07/20/22 13:43	1.0	1	
029	met02_hg_062822	SAMPLE	465548-021	Soil	293219	07/20/22 14:00	1.0	1	1:FE=180
030	met02_hg_062822	SAMPLE	465548-022	Soil	293219	07/20/22 14:03	1.0	1	1:FE=190
031	met02_hg_062822	SAMPLE	465548-025	Soil	293219	07/20/22 14:06	1.0	1	1:FE=220
032	met02_hg_062822	SAMPLE	465548-026	Soil	293219	07/20/22 14:09	1.0	1	1:FE=200
033	met02_hg_062822	SAMPLE	465548-036	Soil	293219	07/20/22 14:12	1.0	1	
034	met02_hg_062822	SAMPLE	465548-037	Soil	293219	07/20/22 14:15	1.0	1	1:FE=180
035	met02_hg_062822	SAMPLE	465684-004	Soil	293219	07/20/22 14:18	1.0	1	
036	met02_hg_062822	SAMPLE	465685-004	Soil	293219	07/20/22 14:21	1.0	1	
037	met02_hg_062822	SAMPLE	465732-001	Soil	293219	07/20/22 14:24	1.0	1	
038	met02_hg_062822	SAMPLE	465771-001	Soil	293219	07/20/22 14:28	1.0	1	1:FE=210
039	met02_hg_062822	CCV				07/20/22 14:31	1.0	10 1	
040	met02_hg_062822	CCB				07/20/22 14:35	1.0	1	
041	met02_hg_062822	BLANK	QC1001369	Water	293253	07/20/22 14:39	1.0	1	
042	met02_hg_062822	LCS	QC1001370	Water	293253	07/20/22 14:43	1.0	1	
043	met02_hg_062822	SAMPLE	465744-001	Water	293253	07/20/22 14:47	1.0	1	1:SULFUR=140
044	met02_hg_062822	MSS	465773-001	Water	293253	07/20/22 14:51	1.0	1	2:NA=1300
045	met02_hg_062822	MS	QC1001371	Water	293253	07/20/22 14:55	1.0	1	2:NA=1200
046	met02_hg_062822	MSD	QC1001372	Water	293253	07/20/22 14:59	1.0	1	2:NA=1400
047	met02_hg_062822	SAMPLE	465825-001	Water	293253	07/20/22 15:03	1.0	1	
048	met02_hg_062822	SAMPLE	465841-001	Water	293253	07/20/22 15:07	1.0	1	
049	met02_hg_062822	SAMPLE	465891-002	Sea Water	293253	07/20/22 15:10	1.0	1	3:MG=1400
050	met02_hg_062822	BLANK	QC1001404	TCLP Leachate	293269	07/20/22 15:14	1.0	1	1:NA=1200
051	met02_hg_062822	CCV				07/20/22 15:18	1.0	10 1	
052	met02_hg_062822	CCB				07/20/22 15:22	1.0	1	

Enthalpy Sequence Summary for Sequence 22290114

Instrument : MET02 Begun : 07/20/22 11:14
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met02_hg_062822	LCS	QC1001405	TCLP Leachate	293269	07/20/22 15:26	1.0	1	3:NA=1300
054	met02_hg_062822	SAMPLE	465746-001	TCLP Leachate	293269	07/20/22 15:30	1.0	1	1:NA=1200
055	met02_hg_062822	SAMPLE	465746-002	TCLP Leachate	293269	07/20/22 15:35	1.0	1	1:NA=1200
056	met02_hg_062822	SAMPLE	465746-003	TCLP Leachate	293269	07/20/22 15:39	1.0	1	1:NA=1300
057	met02_hg_062822	MSS	465746-004	TCLP Leachate	293269	07/20/22 15:43	1.0	1	2:NA=1300
058	met02_hg_062822	BS	QC1001462	Air	293297	07/20/22 15:47	1.0	1	
059	met02_hg_062822	BSD	QC1001463	Air	293297	07/20/22 15:51	1.0	1	
060	met02_hg_062822	MS	QC1001406	TCLP Leachate	293269	07/20/22 15:55	1.0	1	4:NA=1200
061	met02_hg_062822	MSD	QC1001407	TCLP Leachate	293269	07/20/22 15:59	1.0	1	4:NA=1200
062	met02_hg_062822	SAMPLE	465746-005	TCLP Leachate	293269	07/20/22 16:03	1.0	1	1:NA=1400
063	met02_hg_062822	CCV				07/20/22 16:07	1.0	10 1	
064	met02_hg_062822	CCB				07/20/22 16:11	1.0	1	
065	met02_hg_062822	BLANK	QC1001373	Soil	293259	07/20/22 16:15	1.0	1	
066	met02_hg_062822	LCS	QC1001374	Soil	293259	07/20/22 16:19	1.0	1	
067	met02_hg_062822	MSD	QC1000101	Filtrate	292865	07/20/22 16:23	1.0	1	2:SILSI=40
068	met02_hg_062822	MS	QC1000100	Filtrate	292865	07/20/22 16:27	1.0	1	2:SILSI=42
069	met02_hg_062822	LCS	QC1000099	Filtrate	292865	07/20/22 16:31	1.0	1	
070	met02_hg_062822	SAMPLE	465721-001	Miscell.	293259	07/20/22 16:35	1.0	1	1:FE=210
071	met02_hg_062822	SAMPLE	465721-002	Miscell.	293259	07/20/22 16:38	1.0	1	1:FE=210
072	met02_hg_062822	MSS	465810-021	Soil	293259	07/20/22 16:41	1.0	1	2:P=110
073	met02_hg_062822	MS	QC1001375	Soil	293259	07/20/22 16:45	1.0	1	3:P=100
074	met02_hg_062822	MSD	QC1001376	Soil	293259	07/20/22 16:49	1.0	1	3:P=110
075	met02_hg_062822	CCV				07/20/22 16:53	1.0	10 1	
076	met02_hg_062822	CCB				07/20/22 16:57	1.0	1	
077	met02_hg_062822	PDS	QC1001377	Soil	293259	07/20/22 17:01	1.0	1	1:P=110
078	met02_hg_062822	SAMPLE	465810-022	Soil	293259	07/20/22 17:05	1.0	1	
079	met02_hg_062822	SAMPLE	465810-024	Soil	293259	07/20/22 17:09	1.0	1	1:FE=180
080	met02_hg_062822	SAMPLE	465810-025	Soil	293259	07/20/22 17:12	1.0	1	
081	met02_hg_062822	SAMPLE	465810-026	Soil	293259	07/20/22 17:15	1.0	1	2:FE=220
082	met02_hg_062822	SAMPLE	465810-027	Soil	293259	07/20/22 17:18	1.0	1	1:FE=220
083	met02_hg_062822	SAMPLE	465810-028	Soil	293259	07/20/22 17:21	1.0	1	1:FE=290
084	met02_hg_062822	SAMPLE	465810-029	Soil	293259	07/20/22 17:24	1.0	1	1:FE=240
085	met02_hg_062822	SAMPLE	465810-030	Soil	293259	07/20/22 17:27	1.0	1	2:FE=250
086	met02_hg_062822	LCS	QC1000099	Filtrate	292865	07/20/22 17:30	1.0	1	
087	met02_hg_062822	CCV				07/20/22 17:34	1.0	10 1	
088	met02_hg_062822	CCB				07/20/22 17:39	1.0	1	
089	met02_hg_062822	BLANK	QC1001244	Soil	293219	07/20/22 17:43	1.0	1	
090	met02_hg_062822	LCS	QC1001245	Soil	293219	07/20/22 17:46	1.0	1	
091	met02_hg_062822	MSS	465548-001	Soil	293219	07/20/22 17:50	1.0	1	3:ALASAL2O3=460
092	met02_hg_062822	MS	QC1001246	Soil	293219	07/20/22 17:54	1.0	1	3:ALASAL2O3=600
093	met02_hg_062822	MSD	QC1001247	Soil	293219	07/20/22 17:57	1.0	1	3:ALASAL2O3=630
094	met02_hg_062822	CCV				07/20/22 18:00	1.0	10 1	
095	met02_hg_062822	CCB				07/20/22 18:04	1.0	1	
096	met02_hg_062822	PDS	QC1001248	Soil	293219	07/20/22 18:08	1.0	1	1:FE=230
097	met02_hg_062822	SAMPLE	465548-002	Soil	293219	07/20/22 18:11	1.0	1	
098	met02_hg_062822	SAMPLE	465548-005	Soil	293219	07/20/22 18:14	1.0	1	1:FE=200
099	met02_hg_062822	SAMPLE	465548-006	Soil	293219	07/20/22 18:17	1.0	1	1:FE=250
100	met02_hg_062822	SAMPLE	465548-009	Soil	293219	07/20/22 18:20	1.0	1	1:FE=180
101	met02_hg_062822	SAMPLE	465548-010	Soil	293219	07/20/22 18:23	1.0	1	1:FE=170
102	met02_hg_062822	SAMPLE	465548-013	Soil	293219	07/20/22 18:26	1.0	1	1:FE=170
103	met02_hg_062822	SAMPLE	465548-014	Soil	293219	07/20/22 18:29	1.0	1	1:FE=200
104	met02_hg_062822	SAMPLE	465548-017	Soil	293219	07/20/22 18:32	1.0	1	1:FE=180

Enthalpy Sequence Summary for Sequence 22290114

Instrument : MET02 Begun : 07/20/22 11:14
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
105	met02_hg_062822	SAMPLE	465548-018	Soil	293219	07/20/22 18:35	1.0	1	1:FE=170
106	met02_hg_062822	CCV				07/20/22 18:38	1.0	10 1	
107	met02_hg_062822	CCB				07/20/22 18:42	1.0	1	
108	met02_hg_062822	CCV				07/20/22 18:47	1.0	10 1	
109	met02_hg_062822	CCB				07/20/22 18:51	1.0	1	
110	met02_hg_062822	BLANK	QC1001452	Wipe	293294	07/20/22 18:55	1.0	1	
111	met02_hg_062822	BS	QC1001453	Wipe	293294	07/20/22 18:59	1.0	1	
112	met02_hg_062822	BSD	QC1001454	Wipe	293294	07/20/22 19:03	1.0	1	
113	met02_hg_062822	SAMPLE	465921-003	Wipe	293294	07/20/22 19:07	1.0	1	
114	met02_hg_062822	SAMPLE	465921-005	Wipe	293294	07/20/22 19:11	1.0	1	
115	met02_hg_062822	SAMPLE	465921-007	Wipe	293294	07/20/22 19:15	1.0	1	
116	met02_hg_062822	CCV				07/20/22 19:19	1.0	10 1	
117	met02_hg_062822	CCB				07/20/22 19:23	1.0	1	
118	met02_hg_062822	SAMPLE	465921-009	Wipe	293294	07/20/22 19:27	1.0	1	
119	met02_hg_062822	SAMPLE	465921-011	Wipe	293294	07/20/22 19:31	1.0	1	
120	met02_hg_062822	SAMPLE	465921-012	Wipe	293294	07/20/22 19:35	1.0	1	
121	met02_hg_062822	SAMPLE	465921-014	Wipe	293294	07/20/22 19:39	1.0	1	
122	met02_hg_062822	SAMPLE	465921-016	Wipe	293294	07/20/22 19:43	1.0	1	
123	met02_hg_062822	SAMPLE	465921-018	Wipe	293294	07/20/22 19:47	1.0	1	
124	met02_hg_062822	SAMPLE	465921-019	Wipe	293294	07/20/22 19:51	1.0	1	
125	met02_hg_062822	SAMPLE	465921-021	Wipe	293294	07/20/22 19:55	1.0	1	
126	met02_hg_062822	SAMPLE	465921-023	Wipe	293294	07/20/22 19:59	1.0	1	
127	met02_hg_062822	SAMPLE	465921-026	Wipe	293294	07/20/22 20:03	1.0	1	
128	met02_hg_062822	CCV				07/20/22 20:07	1.0	10 1	
129	met02_hg_062822	CCB				07/20/22 20:11	1.0	1	
130	met02_hg_062822	SAMPLE	465924-002	Wipe	293294	07/20/22 20:15	1.0	1	
131	met02_hg_062822	SAMPLE	465924-004	Wipe	293294	07/20/22 20:19	1.0	1	
132	met02_hg_062822	SAMPLE	465874-002	Wipe	293293	07/20/22 20:23	1.0	1	
133	met02_hg_062822	SAMPLE	465874-004	Wipe	293293	07/20/22 20:27	1.0	1	
134	met02_hg_062822	SAMPLE	465874-006	Wipe	293293	07/20/22 20:31	1.0	1	
135	met02_hg_062822	SAMPLE	465889-002	Wipe	293293	07/20/22 20:35	1.0	1	
136	met02_hg_062822	SAMPLE	465889-004	Wipe	293293	07/20/22 20:38	1.0	1	
137	met02_hg_062822	SAMPLE	465889-006	Wipe	293293	07/20/22 20:42	1.0	1	
138	met02_hg_062822	SAMPLE	465889-008	Wipe	293293	07/20/22 20:46	1.0	1	
139	met02_hg_062822	SAMPLE	465889-009	Wipe	293293	07/20/22 20:50	1.0	1	
140	met02_hg_062822	CCV				07/20/22 20:54	1.0	10 1	
141	met02_hg_062822	CCB				07/20/22 20:58	1.0	1	
142	met02_hg_062822	SAMPLE	465889-011	Wipe	293293	07/20/22 21:02	1.0	1	
143	met02_hg_062822	SAMPLE	465889-013	Wipe	293293	07/20/22 21:06	1.0	1	
144	met02_hg_062822	SAMPLE	465889-016	Wipe	293293	07/20/22 21:10	1.0	1	
145	met02_hg_062822	SAMPLE	465889-018	Wipe	293293	07/20/22 21:14	1.0	1	
146	met02_hg_062822	BLANK	QC1001449	Wipe	293293	07/20/22 21:19	1.0	1	
147	met02_hg_062822	BS	QC1001450	Wipe	293293	07/20/22 21:29	1.0	1	
148	met02_hg_062822	BLANK	QC1000451	Soil	292979	07/20/22 21:33	1.0	1	
149	met02_hg_062822	BSD	QC1001451	Wipe	293293	07/20/22 21:37	1.0	1	
150	met02_hg_062822	CCV				07/20/22 21:41	1.0	10 1	
151	met02_hg_062822	CCV				07/20/22 21:45	1.0	10 1	
152	met02_hg_062822	CCB				07/20/22 21:49	1.0	1	
153	met02_hg_062822	BLANK	QC1001399	Soil	293267	07/20/22 21:54	1.0	1	
154	met02_hg_062822	LCS	QC1001400	Soil	293267	07/20/22 21:58	1.0	1	
155	met02_hg_062822	SAMPLE	465484-001	Miscell.	293267	07/20/22 22:02	1.0	1	
156	met02_hg_062822	SAMPLE	465637-003	Soil	293267	07/20/22 22:06	1.0	1	

Enthalpy Sequence Summary for Sequence 22290114

Instrument : MET02 Begun : 07/20/22 11:14
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
157	met02_hg_062822	CCV				07/20/22 22:09	1.0	10 1	
158	met02_hg_062822	CCB				07/20/22 22:13	1.0	1	
159	met02_hg_062822	SAMPLE	465637-004	Soil	293267	07/20/22 22:17	1.0	1	1:SULFUR=120
160	met02_hg_062822	SAMPLE	465637-005	Soil	293267	07/20/22 22:21	1.0	1	1:FE=330
161	met02_hg_062822	SAMPLE	465637-006	Soil	293267	07/20/22 22:24	1.0	1	
162	met02_hg_062822	SAMPLE	465637-007	Soil	293267	07/20/22 22:27	1.0	1	
163	met02_hg_062822	SAMPLE	465639-001	Miscell.	293267	07/20/22 22:31	1.0	1	1:FE=190
164	met02_hg_062822	MSS	465835-001	Soil	293267	07/20/22 22:34	1.0	1	2:FEASFE2O3=220
165	met02_hg_062822	MS	QC1001401	Soil	293267	07/20/22 22:37	1.0	1	3:ALASAL2O3=300
166	met02_hg_062822	MSD	QC1001402	Soil	293267	07/20/22 22:40	1.0	1	3:ALASAL2O3=270
167	met02_hg_062822	PDS	QC1001403	Soil	293267	07/20/22 22:43	1.0	1	
168	met02_hg_062822	BLANK	QC1001449	Wipe	293293	07/20/22 22:46	1.0	1	
169	met02_hg_062822	XCCV				07/20/22 22:50	1.0	10 1	
170	met02_hg_062822	CCV				07/20/22 22:58	1.0	10 1	
171	met02_hg_062822	CCB				07/20/22 23:02	1.0	1	
172	met02_hg_062822	BLANK	QC1001427	Water	293285	07/20/22 23:06	1.0	1	
173	met02_hg_062822	LCS	QC1001428	Water	293285	07/20/22 23:10	1.0	1	
174	met02_hg_062822	MSS	465331-001	Water	293285	07/20/22 23:14	1.0	1	
175	met02_hg_062822	MS	QC1001429	Water	293285	07/20/22 23:17	1.0	1	2:SILSI=23
176	met02_hg_062822	MSD	QC1001430	Water	293285	07/20/22 23:21	1.0	1	3:SULFUR=100
177	met02_hg_062822	BLANK	QC1001399	Soil	293267	07/20/22 23:25	1.0	1	
178	met02_hg_062822	CCV				07/20/22 23:30	1.0	10 1	
179	met02_hg_062822	XICV				07/21/22 00:20	1.0	10 1	
180	met02_hg_062822	XICV				07/21/22 00:57	1.0	10 1	
181	met02_hg_062822	CCB				07/21/22 02:33	1.0	1	
182	met02_hg_062822	XICV				07/21/22 02:39	1.0	10 1	

SBW 07/20/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 072.

Standards used: 1=S13369 2=S16951 3=S16949 4=S16948 5=S16947 6=S16645 7=S16518 8=S16959 9=S16519 10=S16870 11=S16979 12=S16601 13=S16646

Enthalpy Internal Standard Summary for Sequence 22290114

Date : 07/20/22 Reference : met02_hg_062822
Sequence : MET02 07/20/22 Analyzed : 07/20/22 11:20

#	Type	Sample ID	Y A
		ICALBLK STD	473104
		LOWER LIMIT	141931
		UPPER LIMIT	946208
014	ICB		511682
015	ICB		508391
016	ICSA		437705
017	ICSAB		430534
019	MSS	464984-001	508948
020	MS	QC1000910	516678
021	MSD	QC1000911	498122
022	BLANK	QC1001244	421028
023	LCS	QC1001245	432243
024	MSS	465548-001	708561
025	MS	QC1001246	794789
026	MSD	QC1001247	671124
027	CCV		478390
028	CCB		483232
029	SAMPLE	465548-021	496842
030	SAMPLE	465548-022	503017
031	SAMPLE	465548-025	481218
032	SAMPLE	465548-026	489010
033	SAMPLE	465548-036	517744
034	SAMPLE	465548-037	499808
035	SAMPLE	465684-004	495077
036	SAMPLE	465685-004	497263
037	SAMPLE	465732-001	486636
038	SAMPLE	465771-001	498229
039	CCV		461592
040	CCB		489300
041	BLANK	QC1001369	548086
042	LCS	QC1001370	526245
043	SAMPLE	465744-001	452198
044	MSS	465773-001	418548
045	MS	QC1001371	489009
046	MSD	QC1001372	427605
047	SAMPLE	465825-001	391068
048	SAMPLE	465841-001	394521
049	SAMPLE	465891-002	234857
050	BLANK	QC1001404	323260
051	CCV		396918
052	CCB		383416
053	LCS	QC1001405	432283
054	SAMPLE	465746-001	364441
055	SAMPLE	465746-002	358760
056	SAMPLE	465746-003	321758
057	MSS	465746-004	342907
058	BS	QC1001462	463307
059	BSD	QC1001463	448530
060	MS	QC1001406	367773
061	MSD	QC1001407	318254
062	SAMPLE	465746-005	404076

Enthalpy Internal Standard Summary for Sequence 22290114

Date : 07/20/22 Reference : met02_hg_062822
Sequence : MET02 07/20/22 Analyzed : 07/20/22 11:20

#	Type	Sample ID	Y A
063	CCV		363016
064	CCB		438921
065	BLANK	QC1001373	487111
066	LCS	QC1001374	471501
067	MSD	QC1000101	497936
068	MS	QC1000100	456614
069	LCS	QC1000099	483759
070	SAMPLE	465721-001	413358
071	SAMPLE	465721-002	399338
072	MSS	465810-021	424472
073	MS	QC1001375	435935
074	MSD	QC1001376	444190
075	CCV		422370
076	CCB		483463
078	SAMPLE	465810-022	459689
079	SAMPLE	465810-024	472788
080	SAMPLE	465810-025	477481
081	SAMPLE	465810-026	479520
082	SAMPLE	465810-027	483169
083	SAMPLE	465810-028	481287
084	SAMPLE	465810-029	475894
085	SAMPLE	465810-030	470210
086	LCS	QC1000099	459679
087	CCV		442503
088	CCB		489276
089	BLANK	QC1001244	498498
090	LCS	QC1001245	477167
091	MSS	465548-001	460790
092	MS	QC1001246	456722
093	MSD	QC1001247	459772
094	CCV		436924
095	CCB		485236
097	SAMPLE	465548-002	464736
098	SAMPLE	465548-005	468229
099	SAMPLE	465548-006	474164
100	SAMPLE	465548-009	478061
101	SAMPLE	465548-010	472288
102	SAMPLE	465548-013	481459
103	SAMPLE	465548-014	470481
104	SAMPLE	465548-017	473607
105	SAMPLE	465548-018	475627
106	CCV		442684
107	CCB		515185
108	CCV		433230
109	CCB		491137
110	BLANK	QC1001452	479953
111	BS	QC1001453	456737
112	BSD	QC1001454	469554
113	SAMPLE	465921-003	448151
114	SAMPLE	465921-005	463297
115	SAMPLE	465921-007	457625
116	CCV		431683

Enthalpy Internal Standard Summary for Sequence 22290114

Date : 07/20/22 Reference : met02_hg_062822
Sequence : MET02 07/20/22 Analyzed : 07/20/22 11:20

#	Type	Sample ID	Y A
117	CCB		480227
118	SAMPLE	465921-009	472312
119	SAMPLE	465921-011	438803
120	SAMPLE	465921-012	448829
121	SAMPLE	465921-014	441070
122	SAMPLE	465921-016	445941
123	SAMPLE	465921-018	451579
124	SAMPLE	465921-019	449802
125	SAMPLE	465921-021	460560
126	SAMPLE	465921-023	447831
127	SAMPLE	465921-026	445145
128	CCV		420344
129	CCB		485587
130	SAMPLE	465924-002	454440
131	SAMPLE	465924-004	448824
132	SAMPLE	465874-002	444630
133	SAMPLE	465874-004	459458
134	SAMPLE	465874-006	396137
135	SAMPLE	465889-002	423042
136	SAMPLE	465889-004	436016
137	SAMPLE	465889-006	449960
138	SAMPLE	465889-008	410068
139	SAMPLE	465889-009	348032
140	CCV		350545
141	CCB		419309
142	SAMPLE	465889-011	375537
143	SAMPLE	465889-013	358630
144	SAMPLE	465889-016	374739
145	SAMPLE	465889-018	341382
146	BLANK	QC1001449	367713
147	BS	QC1001450	319274
148	BLANK	QC1000451	340342
149	BSD	QC1001451	318132
150	CCV		277782
151	CCV		273926
152	CCB		305543
153	BLANK	QC1001399	312861
154	LCS	QC1001400	356474
155	SAMPLE	465484-001	329239
156	SAMPLE	465637-003	299938
157	CCV		323584
158	CCB		367899
159	SAMPLE	465637-004	271478
160	SAMPLE	465637-005	293981
161	SAMPLE	465637-006	270181
162	SAMPLE	465637-007	326473
163	SAMPLE	465639-001	321700
164	MSS	465835-001	328688
165	MS	QC1001401	327602
166	MSD	QC1001402	321235
168	BLANK	QC1001449	354288
170	CCV		312182

Enthalpy Internal Standard Summary for Sequence 22290114

Date : 07/20/22 Reference : met02_hg_062822
Sequence : MET02 07/20/22 Analyzed : 07/20/22 11:20

#	Type	Sample ID	Y A
171	CCB		352203
172	BLANK	QC1001427	364048
173	LCS	QC1001428	357253
174	MSS	465331-001	287137
175	MS	QC1001429	301209
176	MSD	QC1001430	292357
177	BLANK	QC1001399	395019
178	CCV		359806
181	CCB		411396

ENTHALPY INITIAL CALIBRATION FOR 465924 METALS Wipe: EPA 6010B

Instrument:	MET02		
Calibration #:	22290114001	Date:	20-JUL-2022 11:20
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met02_hg_062822	22290114003	ICAL1	20-JUL-2022 11:24	S16951, S13369 (100X)
L2	met02_hg_062822	22290114004	ICAL2	20-JUL-2022 11:28	S16949, S13369 (100X)
L3	met02_hg_062822	22290114005	ICAL3	20-JUL-2022 11:32	S16948, S13369 (100X)
L4	met02_hg_062822	22290114006	ICAL4	20-JUL-2022 11:36	S16947, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	560.00	534.00	552.10	583.35	LORG	0.00000	0.00172		557.36	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
LORG: Linear regression forced through origin

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0100	-4	0.1000	-8	1.0000	-5	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 465924 METALS Wipe
EPA 6010B

Inst : MET02
Calnum : 22290114001 Cal Date : 20-JUL-2022

ICV 22290114013 (20-JUL-2022) stds: S16870, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	0.9846	mg/L	-2	

ENTHALPY INSTRUMENT BLANK FOR 465924 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114015 File : met02_hg_062822 Time : 20-JUL-2022 12:54
Cal : 22290114001 Caldate : 20-JUL-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	508391	7.46

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 465924 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114016 File : met02_hg_062822 Time : 20-JUL-2022 12:58
Cal : 22290114001 Caldate : 20-JUL-2022
Standards: S16979, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[0.007900]	0.01000	mg/L	

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	432.9	mg/L	108	
Calcium	A	400.0	391.2	mg/L	98	
Iron	A	160.0	145.8	mg/L	91	
Magnesium	A	400.0	421.8	mg/L	105	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	437705	-7.48

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 465924 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114017 File : met02_hg_062822 Time : 20-JUL-2022 13:01
Cal : 22290114001 Caldate : 20-JUL-2022
Standards: S16601, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9605	mg/L	-4	20	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	430534	-9.00

ENTHALPY CONTINUING CALIBRATION FOR 465924 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114108 File : met02_hg_062822 Time : 20-JUL-2022 18:47
Cal : 22290114001 Caldate : 20-JUL-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	557.36	576.40	1.000	0.9886	mg/L	-1	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	433230	-8.43

ENTHALPY INSTRUMENT BLANK FOR 465924 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114109 File : met02_hg_062822 Time : 20-JUL-2022 18:51
Cal : 22290114001 Caldate : 20-JUL-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	491137	3.81

ENTHALPY CONTINUING CALIBRATION FOR 465924 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114116 File : met02_hg_062822 Time : 20-JUL-2022 19:19
Cal : 22290114001 Caldate : 20-JUL-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	557.36	556.00	1.000	0.9536	mg/L	-5	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	431683	-8.76

ENTHALPY INSTRUMENT BLANK FOR 465924 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114117 File : met02_hg_062822 Time : 20-JUL-2022 19:23
Cal : 22290114001 Caldate : 20-JUL-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	480227	1.51

ENTHALPY CONTINUING CALIBRATION FOR 465924 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114128 File : met02_hg_062822 Time : 20-JUL-2022 20:07
Cal : 22290114001 Caldate : 20-JUL-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	557.36	566.00	1.000	0.9708	mg/L	-3	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	420344	-11.15

ENTHALPY INSTRUMENT BLANK FOR 465924 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114129 File : met02_hg_062822 Time : 20-JUL-2022 20:11
Cal : 22290114001 Caldate : 20-JUL-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	485587	2.64

ENTHALPY CONTINUING CALIBRATION FOR 465924 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114140 File : met02_hg_062822 Time : 20-JUL-2022 20:54
Cal : 22290114001 Caldate : 20-JUL-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	557.36	545.60	1.000	0.9358	mg/L	-6	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	350545	-25.91

ENTHALPY INSTRUMENT BLANK FOR 465924 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114141 File : met02_hg_062822 Time : 20-JUL-2022 20:58
Cal : 22290114001 Caldate : 20-JUL-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	419309	-11.37

SAMPLE PREPARATION SUMMARY

Batch # : 293294
Started By : DLS
Prep Date : 19-JUL-2022 15:40
Method : 3050B
Spike #1 ID : S16855
Spike #2 ID : S16906
Analysis : ICP
Finished By : DLS
Units : ft2

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
465921-003		Wipe	1.0276	100	1	97.31						6010	
465921-005		Wipe	1.0276	100	1	97.31						6010	
465921-007		Wipe	1.0276	100	1	97.31						6010	
465921-009		Wipe	1.0276	100	1	97.31						6010	
465921-011		Wipe	1	100	1	100.0						6010	
465921-012		Wipe	1	100	1	100.0						6010	
465921-014		Wipe	1.0276	100	1	97.31						6010	
465921-016		Wipe	1	100	1	100.0						6010	
465921-018		Wipe	1	100	1	100.0						6010	
465921-019		Wipe	1	100	1	100.0						6010	
465921-021		Wipe	1	100	1	100.0						6010	
465921-023		Wipe	1.0276	100	1	97.31						6010	
465921-026		Wipe	1	100	1	100.0						6010	
465924-002		Wipe	1.0276	100	1	97.31						6010	
465924-004		Wipe	1	100	1	100.0						6010	
QC1001452	BLANK	Wipe	1	100	1	100.0						ICP	
QC1001453	BS	Wipe	1	100	1	100.0		1	1			ICP	
QC1001454	BSD	Wipe	1	100	1	100.0		1	1			ICP	

Analyst: SBW Date: 07/21/22 Reviewer: LW Date: 07/21/22

ICP Prep Log

Initials: DS Prep Method: 3050B / 3010A / 200.7 / STLC QC Batch #: 2932-9H Thermometer ID: 918675

Prep Start, Date/Time: 7/19/22 15:40 Prep End, Date/Time: 7/19/22 17:15 HotBlock Temperature, °C: amb HotBlock ID: 3

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Vol. or Weight (mL or g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	-----	-----	-----	DS 7/19/22	NA	100	MLDD1500060	27
LCS	-----	-----	-----					
LCSD	"	→	"					
465921-3	A	NA	wipe	1 wipe				
-5	A							
-7	A							
-9	A							
-11	A							
-12	A							
-14	A							
-16	A							
-18	A							
-19	A							
-21	A							
-23	A							
-26	A							
465924-2	A							
-4	A							

DS 7/19/22

Hydrochloric Acid ID: 10 ml 20350185

Nitric Acid ID: 10 ml 2141007 3

H_2O_2 ID: 3 ml 221315

LCS Spike ID: 1ml - S1C55C DS Hobo - S16555/S1C906

MS/MSD Spike ID: NA

ICP Raw Data

Enthalpy Sequence Summary for Sequence 22290114

Instrument : MET02 Begun : 07/20/22 11:14
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met02_hg_062822	ICALBLK				07/20/22 11:14	1.0	1	
002	met02_hg_062822	ICALBLK				07/20/22 11:20	1.0	1	
003	met02_hg_062822	ICAL	ICAL1			07/20/22 11:24	1.0	2 1	
004	met02_hg_062822	ICAL	ICAL2			07/20/22 11:28	1.0	3 1	
005	met02_hg_062822	ICAL	ICAL3			07/20/22 11:32	1.0	4 1	
006	met02_hg_062822	ICAL	ICAL4			07/20/22 11:36	1.0	5 1	
007	met02_hg_062822	ICAL	ICAL5			07/20/22 11:39	1.0	6 1	
008	met02_hg_062822	ICAL	ICAL6			07/20/22 11:42	1.0	7 1	
009	met02_hg_062822	ICAL	ICAL7			07/20/22 11:45	1.0	8 1	
010	met02_hg_062822	ICAL	ICAL8			07/20/22 11:49	1.0	9 1	
011	met02_hg_062822	XICV				07/20/22 11:52	1.0	10 1	
012	met02_hg_062822	XICB				07/20/22 12:29	1.0	1	
013	met02_hg_062822	ICV				07/20/22 12:38	1.0	10 1	
014	met02_hg_062822	ICB				07/20/22 12:49	1.0	1	
015	met02_hg_062822	ICB				07/20/22 12:54	1.0	1	
016	met02_hg_062822	ICSA				07/20/22 12:58	1.0	11 1	4:MGASMGCO3=1500
017	met02_hg_062822	ICSAB				07/20/22 13:01	1.0	12 1	4:MGASMGCO3=1500
018	met02_hg_062822	CRI				07/20/22 13:04	1.0	13 1	
019	met02_hg_062822	MSS	464984-001	Soil	293123	07/20/22 13:08	1.0	1	3:FEASFE2O3=260
020	met02_hg_062822	MS	QC1000910	Soil	293123	07/20/22 13:11	1.0	1	3:ALASAL2O3=350
021	met02_hg_062822	MSD	QC1000911	Soil	293123	07/20/22 13:15	1.0	1	3:ALASAL2O3=380
022	met02_hg_062822	BLANK	QC1001244	Soil	293219	07/20/22 13:21	1.0	1	4:MGASMGCO3=1500
023	met02_hg_062822	LCS	QC1001245	Soil	293219	07/20/22 13:24	1.0	1	4:MGASMGCO3=1400
024	met02_hg_062822	MSS	465548-001	Soil	293219	07/20/22 13:27	1.0	1	
025	met02_hg_062822	MS	QC1001246	Soil	293219	07/20/22 13:31	1.0	1	
026	met02_hg_062822	MSD	QC1001247	Soil	293219	07/20/22 13:35	1.0	1	
027	met02_hg_062822	CCV				07/20/22 13:39	1.0	10 1	
028	met02_hg_062822	CCB				07/20/22 13:43	1.0	1	
029	met02_hg_062822	SAMPLE	465548-021	Soil	293219	07/20/22 14:00	1.0	1	1:FE=180
030	met02_hg_062822	SAMPLE	465548-022	Soil	293219	07/20/22 14:03	1.0	1	1:FE=190
031	met02_hg_062822	SAMPLE	465548-025	Soil	293219	07/20/22 14:06	1.0	1	1:FE=220
032	met02_hg_062822	SAMPLE	465548-026	Soil	293219	07/20/22 14:09	1.0	1	1:FE=200
033	met02_hg_062822	SAMPLE	465548-036	Soil	293219	07/20/22 14:12	1.0	1	
034	met02_hg_062822	SAMPLE	465548-037	Soil	293219	07/20/22 14:15	1.0	1	1:FE=180
035	met02_hg_062822	SAMPLE	465684-004	Soil	293219	07/20/22 14:18	1.0	1	
036	met02_hg_062822	SAMPLE	465685-004	Soil	293219	07/20/22 14:21	1.0	1	
037	met02_hg_062822	SAMPLE	465732-001	Soil	293219	07/20/22 14:24	1.0	1	
038	met02_hg_062822	SAMPLE	465771-001	Soil	293219	07/20/22 14:28	1.0	1	1:FE=210
039	met02_hg_062822	CCV				07/20/22 14:31	1.0	10 1	
040	met02_hg_062822	CCB				07/20/22 14:35	1.0	1	
041	met02_hg_062822	BLANK	QC1001369	Water	293253	07/20/22 14:39	1.0	1	
042	met02_hg_062822	LCS	QC1001370	Water	293253	07/20/22 14:43	1.0	1	
043	met02_hg_062822	SAMPLE	465744-001	Water	293253	07/20/22 14:47	1.0	1	1:SULFUR=140
044	met02_hg_062822	MSS	465773-001	Water	293253	07/20/22 14:51	1.0	1	2:NA=1300
045	met02_hg_062822	MS	QC1001371	Water	293253	07/20/22 14:55	1.0	1	2:NA=1200
046	met02_hg_062822	MSD	QC1001372	Water	293253	07/20/22 14:59	1.0	1	2:NA=1400
047	met02_hg_062822	SAMPLE	465825-001	Water	293253	07/20/22 15:03	1.0	1	
048	met02_hg_062822	SAMPLE	465841-001	Water	293253	07/20/22 15:07	1.0	1	
049	met02_hg_062822	SAMPLE	465891-002	Sea Water	293253	07/20/22 15:10	1.0	1	3:MG=1400
050	met02_hg_062822	BLANK	QC1001404	TCLP Leachate	293269	07/20/22 15:14	1.0	1	1:NA=1200
051	met02_hg_062822	CCV				07/20/22 15:18	1.0	10 1	
052	met02_hg_062822	CCB				07/20/22 15:22	1.0	1	

Enthalpy Sequence Summary for Sequence 22290114

Instrument : MET02 Begun : 07/20/22 11:14
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met02_hg_062822	LCS	QC1001405	TCLP Leachate	293269	07/20/22 15:26	1.0	1	3:NA=1300
054	met02_hg_062822	SAMPLE	465746-001	TCLP Leachate	293269	07/20/22 15:30	1.0	1	1:NA=1200
055	met02_hg_062822	SAMPLE	465746-002	TCLP Leachate	293269	07/20/22 15:35	1.0	1	1:NA=1200
056	met02_hg_062822	SAMPLE	465746-003	TCLP Leachate	293269	07/20/22 15:39	1.0	1	1:NA=1300
057	met02_hg_062822	MSS	465746-004	TCLP Leachate	293269	07/20/22 15:43	1.0	1	2:NA=1300
058	met02_hg_062822	BS	QC1001462	Air	293297	07/20/22 15:47	1.0	1	
059	met02_hg_062822	BSD	QC1001463	Air	293297	07/20/22 15:51	1.0	1	
060	met02_hg_062822	MS	QC1001406	TCLP Leachate	293269	07/20/22 15:55	1.0	1	4:NA=1200
061	met02_hg_062822	MSD	QC1001407	TCLP Leachate	293269	07/20/22 15:59	1.0	1	4:NA=1200
062	met02_hg_062822	SAMPLE	465746-005	TCLP Leachate	293269	07/20/22 16:03	1.0	1	1:NA=1400
063	met02_hg_062822	CCV				07/20/22 16:07	1.0	10 1	
064	met02_hg_062822	CCB				07/20/22 16:11	1.0	1	
065	met02_hg_062822	BLANK	QC1001373	Soil	293259	07/20/22 16:15	1.0	1	
066	met02_hg_062822	LCS	QC1001374	Soil	293259	07/20/22 16:19	1.0	1	
067	met02_hg_062822	MSD	QC1000101	Filtrate	292865	07/20/22 16:23	1.0	1	2:SILSI=40
068	met02_hg_062822	MS	QC1000100	Filtrate	292865	07/20/22 16:27	1.0	1	2:SILSI=42
069	met02_hg_062822	LCS	QC1000099	Filtrate	292865	07/20/22 16:31	1.0	1	
070	met02_hg_062822	SAMPLE	465721-001	Miscell.	293259	07/20/22 16:35	1.0	1	1:FE=210
071	met02_hg_062822	SAMPLE	465721-002	Miscell.	293259	07/20/22 16:38	1.0	1	1:FE=210
072	met02_hg_062822	MSS	465810-021	Soil	293259	07/20/22 16:41	1.0	1	2:P=110
073	met02_hg_062822	MS	QC1001375	Soil	293259	07/20/22 16:45	1.0	1	3:P=100
074	met02_hg_062822	MSD	QC1001376	Soil	293259	07/20/22 16:49	1.0	1	3:P=110
075	met02_hg_062822	CCV				07/20/22 16:53	1.0	10 1	
076	met02_hg_062822	CCB				07/20/22 16:57	1.0	1	
077	met02_hg_062822	PDS	QC1001377	Soil	293259	07/20/22 17:01	1.0	1	1:P=110
078	met02_hg_062822	SAMPLE	465810-022	Soil	293259	07/20/22 17:05	1.0	1	
079	met02_hg_062822	SAMPLE	465810-024	Soil	293259	07/20/22 17:09	1.0	1	1:FE=180
080	met02_hg_062822	SAMPLE	465810-025	Soil	293259	07/20/22 17:12	1.0	1	
081	met02_hg_062822	SAMPLE	465810-026	Soil	293259	07/20/22 17:15	1.0	1	2:FE=220
082	met02_hg_062822	SAMPLE	465810-027	Soil	293259	07/20/22 17:18	1.0	1	1:FE=220
083	met02_hg_062822	SAMPLE	465810-028	Soil	293259	07/20/22 17:21	1.0	1	1:FE=290
084	met02_hg_062822	SAMPLE	465810-029	Soil	293259	07/20/22 17:24	1.0	1	1:FE=240
085	met02_hg_062822	SAMPLE	465810-030	Soil	293259	07/20/22 17:27	1.0	1	2:FE=250
086	met02_hg_062822	LCS	QC1000099	Filtrate	292865	07/20/22 17:30	1.0	1	
087	met02_hg_062822	CCV				07/20/22 17:34	1.0	10 1	
088	met02_hg_062822	CCB				07/20/22 17:39	1.0	1	
089	met02_hg_062822	BLANK	QC1001244	Soil	293219	07/20/22 17:43	1.0	1	
090	met02_hg_062822	LCS	QC1001245	Soil	293219	07/20/22 17:46	1.0	1	
091	met02_hg_062822	MSS	465548-001	Soil	293219	07/20/22 17:50	1.0	1	3:ALASAL2O3=460
092	met02_hg_062822	MS	QC1001246	Soil	293219	07/20/22 17:54	1.0	1	3:ALASAL2O3=600
093	met02_hg_062822	MSD	QC1001247	Soil	293219	07/20/22 17:57	1.0	1	3:ALASAL2O3=630
094	met02_hg_062822	CCV				07/20/22 18:00	1.0	10 1	
095	met02_hg_062822	CCB				07/20/22 18:04	1.0	1	
096	met02_hg_062822	PDS	QC1001248	Soil	293219	07/20/22 18:08	1.0	1	1:FE=230
097	met02_hg_062822	SAMPLE	465548-002	Soil	293219	07/20/22 18:11	1.0	1	
098	met02_hg_062822	SAMPLE	465548-005	Soil	293219	07/20/22 18:14	1.0	1	1:FE=200
099	met02_hg_062822	SAMPLE	465548-006	Soil	293219	07/20/22 18:17	1.0	1	1:FE=250
100	met02_hg_062822	SAMPLE	465548-009	Soil	293219	07/20/22 18:20	1.0	1	1:FE=180
101	met02_hg_062822	SAMPLE	465548-010	Soil	293219	07/20/22 18:23	1.0	1	1:FE=170
102	met02_hg_062822	SAMPLE	465548-013	Soil	293219	07/20/22 18:26	1.0	1	1:FE=170
103	met02_hg_062822	SAMPLE	465548-014	Soil	293219	07/20/22 18:29	1.0	1	1:FE=200
104	met02_hg_062822	SAMPLE	465548-017	Soil	293219	07/20/22 18:32	1.0	1	1:FE=180

Enthalpy Sequence Summary for Sequence 22290114

Instrument : MET02 Begun : 07/20/22 11:14
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
105	met02_hg_062822	SAMPLE	465548-018	Soil	293219	07/20/22 18:35	1.0	1	1:FE=170
106	met02_hg_062822	CCV				07/20/22 18:38	1.0	10 1	
107	met02_hg_062822	CCB				07/20/22 18:42	1.0	1	
108	met02_hg_062822	CCV				07/20/22 18:47	1.0	10 1	
109	met02_hg_062822	CCB				07/20/22 18:51	1.0	1	
110	met02_hg_062822	BLANK	QC1001452	Wipe	293294	07/20/22 18:55	1.0	1	
111	met02_hg_062822	BS	QC1001453	Wipe	293294	07/20/22 18:59	1.0	1	
112	met02_hg_062822	BSD	QC1001454	Wipe	293294	07/20/22 19:03	1.0	1	
113	met02_hg_062822	SAMPLE	465921-003	Wipe	293294	07/20/22 19:07	1.0	1	
114	met02_hg_062822	SAMPLE	465921-005	Wipe	293294	07/20/22 19:11	1.0	1	
115	met02_hg_062822	SAMPLE	465921-007	Wipe	293294	07/20/22 19:15	1.0	1	
116	met02_hg_062822	CCV				07/20/22 19:19	1.0	10 1	
117	met02_hg_062822	CCB				07/20/22 19:23	1.0	1	
118	met02_hg_062822	SAMPLE	465921-009	Wipe	293294	07/20/22 19:27	1.0	1	
119	met02_hg_062822	SAMPLE	465921-011	Wipe	293294	07/20/22 19:31	1.0	1	
120	met02_hg_062822	SAMPLE	465921-012	Wipe	293294	07/20/22 19:35	1.0	1	
121	met02_hg_062822	SAMPLE	465921-014	Wipe	293294	07/20/22 19:39	1.0	1	
122	met02_hg_062822	SAMPLE	465921-016	Wipe	293294	07/20/22 19:43	1.0	1	
123	met02_hg_062822	SAMPLE	465921-018	Wipe	293294	07/20/22 19:47	1.0	1	
124	met02_hg_062822	SAMPLE	465921-019	Wipe	293294	07/20/22 19:51	1.0	1	
125	met02_hg_062822	SAMPLE	465921-021	Wipe	293294	07/20/22 19:55	1.0	1	
126	met02_hg_062822	SAMPLE	465921-023	Wipe	293294	07/20/22 19:59	1.0	1	
127	met02_hg_062822	SAMPLE	465921-026	Wipe	293294	07/20/22 20:03	1.0	1	
128	met02_hg_062822	CCV				07/20/22 20:07	1.0	10 1	
129	met02_hg_062822	CCB				07/20/22 20:11	1.0	1	
130	met02_hg_062822	SAMPLE	465924-002	Wipe	293294	07/20/22 20:15	1.0	1	
131	met02_hg_062822	SAMPLE	465924-004	Wipe	293294	07/20/22 20:19	1.0	1	
132	met02_hg_062822	SAMPLE	465874-002	Wipe	293293	07/20/22 20:23	1.0	1	
133	met02_hg_062822	SAMPLE	465874-004	Wipe	293293	07/20/22 20:27	1.0	1	
134	met02_hg_062822	SAMPLE	465874-006	Wipe	293293	07/20/22 20:31	1.0	1	
135	met02_hg_062822	SAMPLE	465889-002	Wipe	293293	07/20/22 20:35	1.0	1	
136	met02_hg_062822	SAMPLE	465889-004	Wipe	293293	07/20/22 20:38	1.0	1	
137	met02_hg_062822	SAMPLE	465889-006	Wipe	293293	07/20/22 20:42	1.0	1	
138	met02_hg_062822	SAMPLE	465889-008	Wipe	293293	07/20/22 20:46	1.0	1	
139	met02_hg_062822	SAMPLE	465889-009	Wipe	293293	07/20/22 20:50	1.0	1	
140	met02_hg_062822	CCV				07/20/22 20:54	1.0	10 1	
141	met02_hg_062822	CCB				07/20/22 20:58	1.0	1	
142	met02_hg_062822	SAMPLE	465889-011	Wipe	293293	07/20/22 21:02	1.0	1	
143	met02_hg_062822	SAMPLE	465889-013	Wipe	293293	07/20/22 21:06	1.0	1	
144	met02_hg_062822	SAMPLE	465889-016	Wipe	293293	07/20/22 21:10	1.0	1	
145	met02_hg_062822	SAMPLE	465889-018	Wipe	293293	07/20/22 21:14	1.0	1	
146	met02_hg_062822	BLANK	QC1001449	Wipe	293293	07/20/22 21:19	1.0	1	
147	met02_hg_062822	BS	QC1001450	Wipe	293293	07/20/22 21:29	1.0	1	
148	met02_hg_062822	BLANK	QC1000451	Soil	292979	07/20/22 21:33	1.0	1	
149	met02_hg_062822	BSD	QC1001451	Wipe	293293	07/20/22 21:37	1.0	1	
150	met02_hg_062822	CCV				07/20/22 21:41	1.0	10 1	
151	met02_hg_062822	CCV				07/20/22 21:45	1.0	10 1	
152	met02_hg_062822	CCB				07/20/22 21:49	1.0	1	
153	met02_hg_062822	BLANK	QC1001399	Soil	293267	07/20/22 21:54	1.0	1	
154	met02_hg_062822	LCS	QC1001400	Soil	293267	07/20/22 21:58	1.0	1	
155	met02_hg_062822	SAMPLE	465484-001	Miscell.	293267	07/20/22 22:02	1.0	1	
156	met02_hg_062822	SAMPLE	465637-003	Soil	293267	07/20/22 22:06	1.0	1	

Enthalpy Sequence Summary for Sequence 22290114

Instrument : MET02 Begun : 07/20/22 11:14
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
157	met02_hg_062822	CCV				07/20/22 22:09	1.0	10 1	
158	met02_hg_062822	CCB				07/20/22 22:13	1.0	1	
159	met02_hg_062822	SAMPLE	465637-004	Soil	293267	07/20/22 22:17	1.0	1	1:SULFUR=120
160	met02_hg_062822	SAMPLE	465637-005	Soil	293267	07/20/22 22:21	1.0	1	1:FE=330
161	met02_hg_062822	SAMPLE	465637-006	Soil	293267	07/20/22 22:24	1.0	1	
162	met02_hg_062822	SAMPLE	465637-007	Soil	293267	07/20/22 22:27	1.0	1	
163	met02_hg_062822	SAMPLE	465639-001	Miscell.	293267	07/20/22 22:31	1.0	1	1:FE=190
164	met02_hg_062822	MSS	465835-001	Soil	293267	07/20/22 22:34	1.0	1	2:FEASFE2O3=220
165	met02_hg_062822	MS	QC1001401	Soil	293267	07/20/22 22:37	1.0	1	3:ALASAL2O3=300
166	met02_hg_062822	MSD	QC1001402	Soil	293267	07/20/22 22:40	1.0	1	3:ALASAL2O3=270
167	met02_hg_062822	PDS	QC1001403	Soil	293267	07/20/22 22:43	1.0	1	
168	met02_hg_062822	BLANK	QC1001449	Wipe	293293	07/20/22 22:46	1.0	1	
169	met02_hg_062822	XCCV				07/20/22 22:50	1.0	10 1	
170	met02_hg_062822	CCV				07/20/22 22:58	1.0	10 1	
171	met02_hg_062822	CCB				07/20/22 23:02	1.0	1	
172	met02_hg_062822	BLANK	QC1001427	Water	293285	07/20/22 23:06	1.0	1	
173	met02_hg_062822	LCS	QC1001428	Water	293285	07/20/22 23:10	1.0	1	
174	met02_hg_062822	MSS	465331-001	Water	293285	07/20/22 23:14	1.0	1	
175	met02_hg_062822	MS	QC1001429	Water	293285	07/20/22 23:17	1.0	1	2:SILSI=23
176	met02_hg_062822	MSD	QC1001430	Water	293285	07/20/22 23:21	1.0	1	3:SULFUR=100
177	met02_hg_062822	BLANK	QC1001399	Soil	293267	07/20/22 23:25	1.0	1	
178	met02_hg_062822	CCV				07/20/22 23:30	1.0	10 1	
179	met02_hg_062822	XICV				07/21/22 00:20	1.0	10 1	
180	met02_hg_062822	XICV				07/21/22 00:57	1.0	10 1	
181	met02_hg_062822	CCB				07/21/22 02:33	1.0	1	
182	met02_hg_062822	XICV				07/21/22 02:39	1.0	10 1	

SBW 07/20/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 072.

Standards used: 1=S13369 2=S16951 3=S16949 4=S16948 5=S16947 6=S16645 7=S16518 8=S16959 9=S16519 10=S16870 11=S16979 12=S16601 13=S16646

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET02	Lab ID	: 465924-002	Client ID	: DOOR-N-0.1GW-DG-3 TO 16-220718-L-LA
Seqnum	: 22290114130	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met02_hg_062822	Batch	: 293294	Time	: 20-JUL-2022 20:15
Cal	: 22290114001	Caldate	: 20-JUL-2022		
IDF	: 1.0	Raw Units	: mg/L	Units	: ug/ft2

1.03 ft2 --> 100.0 ml = 97.31 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.6075	59	0.97		u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	473104	454440	-3.95

u=use

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 174 **Autosampler Location: 159**
Sample ID: 465924-002,293294 **Date Collected: 7/20/2022 8:15:24 PM**
Analyst: sbw **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: 465924-002,293294

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y Radial	82891.2	94.86	%	2.886				3.04%
Y Axial	454439.6	96.05	%	2.407				2.51%
Ag 328.068†	-451.0	0.0021	mg/L	0.00047	0.0021	mg/L	0.00047	22.71%
Al 308.215†	8185.7	1.009	mg/L	0.0568	1.009	mg/L	0.0568	5.63%
As 188.979†	4.4	0.0121	mg/L	0.00506	0.0121	mg/L	0.00506	41.94%
B 249.677†	37.2	0.0079	mg/L	0.00062	0.0079	mg/L	0.00062	7.81%
Ba 233.527†	343.3	0.0121	mg/L	0.00046	0.0121	mg/L	0.00046	3.79%
Be 313.107†	108.3	0.0004	mg/L	0.00009	0.0004	mg/L	0.00009	20.98%
Ca 315.887†	56579.9	17.10	mg/L	0.140	17.10	mg/L	0.140	0.82%
Cd 214.440†	6.5	0.0007	mg/L	0.00009	0.0007	mg/L	0.00009	13.37%
Co 228.616†	28.8	0.0047	mg/L	0.00026	0.0047	mg/L	0.00026	5.54%
Cr 267.716†	389.5	0.0200	mg/L	0.00092	0.0200	mg/L	0.00092	4.58%
Cu 324.752†	9937.1	0.1750	mg/L	0.00906	0.1750	mg/L	0.00906	5.18%
Fe 238.204†	689936.4	41.21	mg/L	0.628	41.21	mg/L	0.628	1.52%
Li 670.784†	138.8	0.0013	mg/L	0.00070	0.0013	mg/L	0.00070	52.86%
Mg 279.077†	494.9	2.172	mg/L	0.0707	2.172	mg/L	0.0707	3.25%
Mn 257.610†	61378.2	0.2337	mg/L	0.01557	0.2337	mg/L	0.01557	6.66%
Mo 202.031†	24.1	0.0271	mg/L	0.00605	0.0271	mg/L	0.00605	22.33%
Ni 231.604†	172.9	0.0799	mg/L	0.00496	0.0799	mg/L	0.00496	6.20%
Pb 220.353†	354.2	0.6075	mg/L	0.02570	0.6075	mg/L	0.02570	4.23%
Sb 206.836†	11.7	0.0243	mg/L	0.00787	0.0243	mg/L	0.00787	32.37%
Se 196.026†	2.1	0.0136	mg/L	0.00396	0.0136	mg/L	0.00396	29.12%
Si 251.611†	13086.4	2.424	mg/L	0.1081	2.424	mg/L	0.1081	4.46%
Sn 189.927†	31.4	0.0967	mg/L	0.01622	0.0967	mg/L	0.01622	16.77%
Sr 421.552†	31037.8	0.0271	mg/L	0.00160	0.0271	mg/L	0.00160	5.90%
Ti 334.940†	26471.6	0.0902	mg/L	0.00927	0.0902	mg/L	0.00927	10.29%
Tl 190.801†	6.8	0.0078	mg/L	0.00816	0.0078	mg/L	0.00816	104.58%
V 290.880†	98.3	0.0024	mg/L	0.00017	0.0024	mg/L	0.00017	7.12%
Zn 206.200†	3936.7	1.532	mg/L	0.0748	1.532	mg/L	0.0748	4.89%
P 213.617†	19.3	0.2740	mg/L	0.02841	0.2740	mg/L	0.02841	10.37%
S 181.975†	127.6	5.605	mg/L	0.2612	5.605	mg/L	0.2612	4.66%
Na 589.592†	40148.4	7.664	mg/L	0.1117	7.664	mg/L	0.1117	1.46%
K 766.490†	14019.0	6.994	mg/L	0.0274	6.994	mg/L	0.0274	0.39%
Hg 253.652†	45.0	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET02	Lab ID	: 465924-004	Client ID	: DOOR-N-0.2GW-EXT-3 TO 4-220718-L-CB
Seqnum	: 22290114131	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met02_hg_062822	Batch	: 293294	Time	: 20-JUL-2022 20:19
Cal	: 22290114001	Caldate	: 20-JUL-2022		
IDF	: 1.0	Raw Units	: mg/L	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.419	140	1.0		u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	473104	448824	-5.13

u=use

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 175 **Autosampler Location: 160**
Sample ID: 465924-004,293294 **Date Collected: 7/20/2022 8:19:23 PM**
Analyst: sbw **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: 465924-004,293294

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y Radial	84612.8	96.83	%	4.083				4.22%
Y Axial	448823.8	94.87	%	3.208				3.38%
Ag 328.068†	-664.4	0.0021	mg/L	0.00031	0.0021	mg/L	0.00031	14.94%
Al 308.215†	10120.2	1.247	mg/L	0.0118	1.247	mg/L	0.0118	0.94%
As 188.979†	5.4	0.0146	mg/L	0.00369	0.0146	mg/L	0.00369	25.33%
B 249.677†	26.5	0.0056	mg/L	0.00187	0.0056	mg/L	0.00187	33.17%
Ba 233.527†	320.4	0.0112	mg/L	0.00020	0.0112	mg/L	0.00020	1.76%
Be 313.107†	30.1	0.0001	mg/L	0.00004	0.0001	mg/L	0.00004	31.96%
Ca 315.887†	42673.6	12.89	mg/L	0.063	12.89	mg/L	0.063	0.49%
Cd 214.440†	6.8	0.0007	mg/L	0.00013	0.0007	mg/L	0.00013	17.98%
Co 228.616†	36.9	0.0061	mg/L	0.00047	0.0061	mg/L	0.00047	7.67%
Cr 267.716†	347.9	0.0179	mg/L	0.00038	0.0179	mg/L	0.00038	2.12%
Cu 324.752†	11921.7	0.2100	mg/L	0.00138	0.2100	mg/L	0.00138	0.66%
Fe 238.204†	939224.0	56.10	mg/L	0.844	56.10	mg/L	0.844	1.50%
Li 670.784†	98.2	0.0009	mg/L	0.00051	0.0009	mg/L	0.00051	54.06%
Mg 279.077†	515.1	2.261	mg/L	0.0922	2.261	mg/L	0.0922	4.08%
Mn 257.610†	69466.3	0.2645	mg/L	0.00049	0.2645	mg/L	0.00049	0.19%
Mo 202.031†	0.8	0.0009	mg/L	0.00083	0.0009	mg/L	0.00083	91.71%
Ni 231.604†	167.8	0.0776	mg/L	0.00158	0.0776	mg/L	0.00158	2.04%
Pb 220.353†	827.6	1.419	mg/L	0.0293	1.419	mg/L	0.0293	2.07%
Sb 206.836†	9.5	0.0198	mg/L	0.00512	0.0198	mg/L	0.00512	25.83%
Se 196.026†	0.9	0.0055	mg/L	0.00599	0.0055	mg/L	0.00599	109.41%
Si 251.611†	14437.1	2.675	mg/L	0.0316	2.675	mg/L	0.0316	1.18%
Sn 189.927†	16.8	0.0516	mg/L	0.00384	0.0516	mg/L	0.00384	7.45%
Sr 421.552†	27010.2	0.0236	mg/L	0.00025	0.0236	mg/L	0.00025	1.08%
Ti 334.940†	25048.0	0.0853	mg/L	0.00255	0.0853	mg/L	0.00255	2.99%
Tl 190.801†	0.2	0.0009	mg/L	0.00440	0.0009	mg/L	0.00440	464.85%
V 290.880†	70.2	0.0017	mg/L	0.00004	0.0017	mg/L	0.00004	2.44%
Zn 206.200†	3047.2	1.186	mg/L	0.0196	1.186	mg/L	0.0196	1.66%
P 213.617†	19.1	0.2716	mg/L	0.00759	0.2716	mg/L	0.00759	2.79%
S 181.975†	101.0	4.437	mg/L	0.1277	4.437	mg/L	0.1277	2.88%
Na 589.592†	22247.5	4.247	mg/L	0.1042	4.247	mg/L	0.1042	2.45%
K 766.490†	10419.5	5.198	mg/L	0.0591	5.198	mg/L	0.0591	1.14%
Hg 253.652†	51.4	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

ENTHALPY BLANK USER REPORT FOR 465924 METALS Wipe
EPA 6010B

Inst : MET02 Lab ID : QC1001452
Seqnum : 22290114110.4 Matrix : Wipe
File : met02_hg_062822 Batch : 293294 Time : 20-JUL-2022 18:55
Cal : 22290114001 Caldate : 20-JUL-2022
IDF : 1.0 Raw Units : mg/L Units : ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Flags
Lead	A	0.002400	ND	1.0	u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	473104	479953	1.45

u=use

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC
User canceled analysis.

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Analysis Begun

Start Time: 7/20/2022 6:55:53 PM **Plasma On Time: 7/19/2022 8:35:56 AM**
Logged In Analyst: AAICP-ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 077C7020701 **Autosampler: ESI**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\07-19-22c.sif
Batch ID: 07-19-22
Results Data Set:
Results Library:

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Sequence No.: 154 **Autosampler Location: 216**
Sample ID: BLANK,QC1001452,293294 **Date Collected: 7/20/2022 6:55:54 PM**
Analyst: sbw **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:

Mean Data: BLANK,QC1001452,293294

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y Radial	90809.5	103.9	%	4.58				4.40%
Y Axial	479953.2	101.4	%	1.29				1.28%
Ag 328.068†	34.8	0.0006	mg/L	0.00061	0.0006	mg/L	0.00061	108.20%
Al 308.215†	-44.3	-0.0055	mg/L	0.00511	-0.0055	mg/L	0.00511	93.56%
As 188.979†	0.8	0.0022	mg/L	0.00298	0.0022	mg/L	0.00298	137.26%
B 249.677†	42.9	0.0091	mg/L	0.00059	0.0091	mg/L	0.00059	6.52%
Ba 233.527†	65.5	0.0023	mg/L	0.00015	0.0023	mg/L	0.00015	6.46%
Be 313.107†	75.4	0.0003	mg/L	0.00017	0.0003	mg/L	0.00017	56.83%
Ca 315.887†	44.3	0.0134	mg/L	0.00448	0.0134	mg/L	0.00448	33.50%
Cd 214.440†	5.5	0.0006	mg/L	0.00005	0.0006	mg/L	0.00005	9.29%
Co 228.616†	-0.8	-0.0002	mg/L	0.00010	-0.0002	mg/L	0.00010	66.32%
Cr 267.716†	13.1	0.0007	mg/L	0.00041	0.0007	mg/L	0.00041	60.99%
Cu 324.752†	561.4	0.0099	mg/L	0.00089	0.0099	mg/L	0.00089	9.03%
Fe 238.204†	1866.8	0.1115	mg/L	0.01464	0.1115	mg/L	0.01464	13.13%
Li 670.784†	201.4	0.0019	mg/L	0.00046	0.0019	mg/L	0.00046	23.62%
Mg 279.077†	2.2	0.0096	mg/L	0.00933	0.0096	mg/L	0.00933	97.40%
Mn 257.610†	1265.2	0.0048	mg/L	0.00006	0.0048	mg/L	0.00006	1.16%
Mo 202.031†	27.4	0.0307	mg/L	0.01078	0.0307	mg/L	0.01078	35.09%
Ni 231.604†	-0.1	-0.0001	mg/L	0.00113	-0.0001	mg/L	0.00113	>999.9%
Pb 220.353†	1.4	0.0024	mg/L	0.00237	0.0024	mg/L	0.00237	97.07%
Sb 206.836†	9.0	0.0189	mg/L	0.00538	0.0189	mg/L	0.00538	28.51%
Se 196.026†	0.2	0.0013	mg/L	0.00920	0.0013	mg/L	0.00920	706.07%
Si 251.611†	115.8	0.0211	mg/L	0.00478	0.0211	mg/L	0.00478	22.67%
Sn 189.927†	36.6	0.1125	mg/L	0.02125	0.1125	mg/L	0.02125	18.89%
Sr 421.552†	142.3	0.0001	mg/L	0.00009	0.0001	mg/L	0.00009	76.41%
Ti 334.940†	3065.6	0.0104	mg/L	0.00265	0.0104	mg/L	0.00265	25.34%
Tl 190.801†	18.4	0.0190	mg/L	0.01231	0.0190	mg/L	0.01231	64.66%
V 290.880†	-42.7	-0.0011	mg/L	0.00040	-0.0011	mg/L	0.00040	37.99%
Zn 206.200†	17.6	0.0068	mg/L	0.00039	0.0068	mg/L	0.00039	5.63%
P 213.617†	2.7	0.0381	mg/L	0.02063	0.0381	mg/L	0.02063	54.12%
S 181.975†	0.7	0.0297	mg/L	0.01878	0.0297	mg/L	0.01878	63.32%
Na 589.592†	-2896.7	-0.5530	mg/L	0.22019	-0.5530	mg/L	0.22019	39.82%
K 766.490†	512.5	0.2557	mg/L	0.03597	0.2557	mg/L	0.03597	14.07%
Hg 253.652†	-16.1	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

ENTHALPY SPIKE USER REPORT FOR 465924 METALS Wipe
EPA 6010B

Type : BS
Inst : MET02
Seqnum : 22290114111.4
File : met02_hg_062822
IDF : 1.0
Lab ID : QC1001453
Matrix : Wipe
Batch : 293294
Time : 20-JUL-2022 18:59
Cal : 22290114001
Units : ug/ft2

Type : BSD
Inst : MET02
Seqnum : 22290114112.4
File : met02_hg_062822
IDF : 1.0
Lab ID : QC1001454
Matrix : Wipe
Batch : 293294
Time : 20-JUL-2022 19:03
Cal : 22290114001

BS: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF
BSD: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Lead	100.0	1.140	114.0	A	114	1.063	106.3	A	106	80-120	7	20	u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	473104	456737	-3.46

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	473104	469554	-0.75

u=use

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 155 **Autosampler Location: 217**
Sample ID: BS,QC1001453,293294 **Date Collected: 7/20/2022 6:59:53 PM**
Analyst: sbw **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: BS,QC1001453,293294

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	87863.1	100.5	%	2.15				2.14%
Y Axial	456736.7	96.54	%	1.802				1.87%
Ag 328.068†	36865.1	0.5753	mg/L	0.00655	0.5753	mg/L	0.00655	1.14%
Al 308.215†	9212.8	1.136	mg/L	0.0074	1.136	mg/L	0.0074	0.65%
As 188.979†	388.0	1.054	mg/L	0.0138	1.054	mg/L	0.0138	1.31%
B 249.677†	4970.6	1.056	mg/L	0.0139	1.056	mg/L	0.0139	1.31%
Ba 233.527†	33637.1	1.181	mg/L	0.0151	1.181	mg/L	0.0151	1.27%
Be 313.107†	280365.2	1.144	mg/L	0.0178	1.144	mg/L	0.0178	1.56%
Ca 315.887†	3564.9	1.077	mg/L	0.0181	1.077	mg/L	0.0181	1.68%
Cd 214.440†	11329.1	1.186	mg/L	0.0190	1.186	mg/L	0.0190	1.60%
Co 228.616†	7089.8	1.202	mg/L	0.0199	1.202	mg/L	0.0199	1.66%
Cr 267.716†	22530.3	1.158	mg/L	0.0129	1.158	mg/L	0.0129	1.12%
Cu 324.752†	64556.4	1.137	mg/L	0.0164	1.137	mg/L	0.0164	1.45%
Fe 238.204†	22190.4	1.326	mg/L	0.0177	1.326	mg/L	0.0177	1.33%
Li 670.784†	126705.4	1.216	mg/L	0.0165	1.216	mg/L	0.0165	1.35%
Mg 279.077†	230.7	1.013	mg/L	0.0323	1.013	mg/L	0.0323	3.19%
Mn 257.610†	295810.6	1.126	mg/L	0.0160	1.126	mg/L	0.0160	1.42%
Mo 202.031†	1005.2	1.128	mg/L	0.0139	1.128	mg/L	0.0139	1.24%
Ni 231.604†	2489.2	1.151	mg/L	0.0146	1.151	mg/L	0.0146	1.27%
Pb 220.353†	664.7	1.140	mg/L	0.0027	1.140	mg/L	0.0027	0.24%
Sb 206.836†	558.6	1.161	mg/L	0.0100	1.161	mg/L	0.0100	0.87%
Se 196.026†	170.9	1.084	mg/L	0.0107	1.084	mg/L	0.0107	0.98%
Si 251.611†	29434.5	5.440	mg/L	0.0609	5.440	mg/L	0.0609	1.12%
Sn 189.927†	14.9	0.0460	mg/L	0.00422	0.0460	mg/L	0.00422	9.18%
Sr 421.552†	2001401.5	1.748	mg/L	0.0418	1.748	mg/L	0.0418	2.39%
Ti 334.940†	297508.6	1.013	mg/L	0.0162	1.013	mg/L	0.0162	1.60%
Tl 190.801†	1085.9	1.126	mg/L	0.0051	1.126	mg/L	0.0051	0.45%
V 290.880†	46323.1	1.144	mg/L	0.0140	1.144	mg/L	0.0140	1.22%
Zn 206.200†	3154.7	1.227	mg/L	0.0147	1.227	mg/L	0.0147	1.20%
P 213.617†	4.9	0.0701	mg/L	0.02308	0.0701	mg/L	0.02308	32.93%
S 181.975†	3.2	0.1387	mg/L	0.10926	0.1387	mg/L	0.10926	78.74%
Na 589.592†	353.0	0.0674	mg/L	0.02022	0.0674	mg/L	0.02022	30.00%
K 766.490†	18714.8	9.337	mg/L	0.1468	9.337	mg/L	0.1468	1.57%
Hg 253.652†	1.3	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 156 **Autosampler Location: 218**
Sample ID: BSD,QC1001454,293294 **Date Collected: 7/20/2022 7:03:54 PM**
Analyst: sbw **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: BSD,QC1001454,293294

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	85703.0	98.07	%	2.942				3.00%
Y Axial	469554.4	99.25	%	1.466				1.48%
Ag 328.068†	34243.5	0.5343	mg/L	0.01532	0.5343	mg/L	0.01532	2.87%
Al 308.215†	8499.6	1.048	mg/L	0.0530	1.048	mg/L	0.0530	5.06%
As 188.979†	363.6	0.9875	mg/L	0.02164	0.9875	mg/L	0.02164	2.19%
B 249.677†	4560.9	0.9689	mg/L	0.03009	0.9689	mg/L	0.03009	3.11%
Ba 233.527†	30938.0	1.086	mg/L	0.0501	1.086	mg/L	0.0501	4.61%
Be 313.107†	271275.0	1.107	mg/L	0.0350	1.107	mg/L	0.0350	3.16%
Ca 315.887†	3660.9	1.106	mg/L	0.0327	1.106	mg/L	0.0327	2.96%
Cd 214.440†	10427.9	1.092	mg/L	0.0436	1.092	mg/L	0.0436	3.99%
Co 228.616†	6557.5	1.111	mg/L	0.0499	1.111	mg/L	0.0499	4.49%
Cr 267.716†	20711.5	1.064	mg/L	0.0512	1.064	mg/L	0.0512	4.82%
Cu 324.752†	62482.0	1.101	mg/L	0.0330	1.101	mg/L	0.0330	3.00%
Fe 238.204†	20453.4	1.222	mg/L	0.0551	1.222	mg/L	0.0551	4.51%
Li 670.784†	122080.0	1.171	mg/L	0.0091	1.171	mg/L	0.0091	0.77%
Mg 279.077†	232.1	1.019	mg/L	0.0433	1.019	mg/L	0.0433	4.25%
Mn 257.610†	286191.8	1.090	mg/L	0.0346	1.090	mg/L	0.0346	3.18%
Mo 202.031†	950.7	1.067	mg/L	0.0254	1.067	mg/L	0.0254	2.38%
Ni 231.604†	2268.3	1.049	mg/L	0.0355	1.049	mg/L	0.0355	3.39%
Pb 220.353†	620.0	1.063	mg/L	0.0284	1.063	mg/L	0.0284	2.68%
Sb 206.836†	520.4	1.081	mg/L	0.0331	1.081	mg/L	0.0331	3.06%
Se 196.026†	159.8	1.013	mg/L	0.0202	1.013	mg/L	0.0202	1.99%
Si 251.611†	27548.2	5.091	mg/L	0.1917	5.091	mg/L	0.1917	3.77%
Sn 189.927†	10.3	0.0317	mg/L	0.00161	0.0317	mg/L	0.00161	5.07%
Sr 421.552†	1936968.7	1.692	mg/L	0.0948	1.692	mg/L	0.0948	5.60%
Ti 334.940†	289525.9	0.9861	mg/L	0.02984	0.9861	mg/L	0.02984	3.03%
Tl 190.801†	1029.3	1.068	mg/L	0.0163	1.068	mg/L	0.0163	1.53%
V 290.880†	42623.7	1.053	mg/L	0.0485	1.053	mg/L	0.0485	4.61%
Zn 206.200†	2868.8	1.116	mg/L	0.0483	1.116	mg/L	0.0483	4.33%
P 213.617†	3.8	0.0546	mg/L	0.03677	0.0546	mg/L	0.03677	67.32%
S 181.975†	4.5	0.1980	mg/L	0.02705	0.1980	mg/L	0.02705	13.66%
Na 589.592†	-749.0	-0.1430	mg/L	0.07558	-0.1430	mg/L	0.07558	52.86%
K 766.490†	17931.1	8.946	mg/L	0.1134	8.946	mg/L	0.1134	1.27%
Hg 253.652†	10.5	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

ENTHALPY INITIAL CALIBRATION FOR 465924 METALS Wipe: EPA 6010B

Instrument:	MET02		
Calibration #:	22290114001	Date:	20-JUL-2022 11:20
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met02_hg_062822	22290114003	ICAL1	20-JUL-2022 11:24	S16951, S13369 (100X)
L2	met02_hg_062822	22290114004	ICAL2	20-JUL-2022 11:28	S16949, S13369 (100X)
L3	met02_hg_062822	22290114005	ICAL3	20-JUL-2022 11:32	S16948, S13369 (100X)
L4	met02_hg_062822	22290114006	ICAL4	20-JUL-2022 11:36	S16947, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	560.00	534.00	552.10	583.35	LORG	0.00000	0.00172		557.36	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
LORG: Linear regression forced through origin

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0100	-4	0.1000	-8	1.0000	-5	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 465924 METALS Wipe
EPA 6010B

Inst : MET02
Calnum : 22290114001 Cal Date : 20-JUL-2022

ICV 22290114013 (20-JUL-2022) stds: S16870, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	0.9846	mg/L	-2	

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Analysis Begun

Start Time: 7/20/2022 11:20:27 AM **Plasma On Time: 7/19/2022 8:35:56 AM**
Logged In Analyst: AAICP-ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 077C7020701 **Autosampler: ESI**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\07-19-22.sif
Batch ID: 07-19-22
Results Data Set:
Results Library:

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Sequence No.: 1 **Autosampler Location: 1**
Sample ID: ICALBLK **Date Collected: 7/20/2022 11:20:35 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:

Mean Data: ICALBLK

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	87385.3	4929.38	5.64%	100.0	%
Y Axial	473104.0	16933.85	3.58%	100.0	%
Ag 328.068†	144.8	14.84	10.24%	[0.00]	mg/L
Al 308.215†	192.3	41.73	21.69%	[0.00]	mg/L
As 188.979†	0.3	1.05	309.20%	[0.00]	mg/L
B 249.677†	123.5	6.39	5.17%	[0.00]	mg/L
Ba 233.527†	-10.1	1.55	15.40%	[0.00]	mg/L
Be 313.107†	45.7	14.44	31.62%	[0.00]	mg/L
Ca 315.887†	134.4	27.54	20.49%	[0.00]	mg/L
Cd 214.440†	6.5	0.39	6.03%	[0.00]	mg/L
Co 228.616†	-14.4	1.45	10.03%	[0.00]	mg/L
Cr 267.716†	4.4	6.50	146.19%	[0.00]	mg/L
Cu 324.752†	370.4	27.28	7.36%	[0.00]	mg/L
Fe 238.204†	516.0	25.02	4.85%	[0.00]	mg/L
Li 670.784†	907.4	36.30	4.00%	[0.00]	mg/L
Mg 279.077†	2.8	5.69	204.75%	[0.00]	mg/L
Mn 257.610†	29.5	25.20	85.31%	[0.00]	mg/L
Mo 202.031†	1.8	0.73	39.59%	[0.00]	mg/L
Ni 231.604†	-3.8	1.35	35.51%	[0.00]	mg/L
Pb 220.353†	-0.3	1.48	502.43%	[0.00]	mg/L
Sb 206.836†	3.3	1.45	43.78%	[0.00]	mg/L
Se 196.026†	1.5	1.34	89.47%	[0.00]	mg/L
Si 251.611†	67.4	4.28	6.36%	[0.00]	mg/L
Sn 189.927†	2.5	0.68	26.95%	[0.00]	mg/L
Sr 421.552†	708.0	78.30	11.06%	[0.00]	mg/L
Ti 334.940†	447.7	79.28	17.71%	[0.00]	mg/L
Tl 190.801†	-6.3	2.93	46.38%	[0.00]	mg/L
V 290.880†	54.4	16.01	29.44%	[0.00]	mg/L
Zn 206.200†	3.9	1.52	39.14%	[0.00]	mg/L
P 213.617†	-2.0	0.58	29.35%	[0.00]	mg/L
S 181.975†	0.8	1.53	187.78%	[0.00]	mg/L
Na 589.592†	16952.1	1012.24	5.97%	[0.00]	mg/L
K 766.490†	1289.3	66.61	5.17%	[0.00]	mg/L
Hg 253.652†	297.0	18.99	6.39%	[0.00]	mg/L

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 2 **Autosampler Location: 2**
Sample ID: ICAL, ICAL1, S16951 **Date Collected: 7/20/2022 11:24:37 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL1, S16951

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	85632.9	3451.12	4.03%	97.99	%
Y Axial	469051.6	4182.27	0.89%	99.14	%
Al 308.215†	145.1	34.78	23.98%	[0.02]	mg/L
As 188.979†	2.3	0.92	39.17%	[0.01]	mg/L
B 249.677†	41.6	1.14	2.74%	[0.01]	mg/L
Ba 233.527†	290.2	6.71	2.31%	[0.01]	mg/L
Be 313.107†	1279.5	22.27	1.74%	[0.005]	mg/L
Ca 315.887†	312.0	13.71	4.39%	[0.1]	mg/L
Cd 214.440†	50.6	1.12	2.22%	[0.005]	mg/L
Co 228.616†	28.0	1.31	4.69%	[0.005]	mg/L
Cr 267.716†	197.1	8.49	4.31%	[0.01]	mg/L
Cu 324.752†	585.1	29.47	5.04%	[0.01]	mg/L
Fe 238.204†	388.6	11.21	2.88%	[0.02]	mg/L
Li 670.784†	1095.6	43.48	3.97%	[0.01]	mg/L
Mg 279.077†	19.9	2.55	12.78%	[0.1]	mg/L
Mn 257.610†	2813.3	35.42	1.26%	[0.01]	mg/L
Mo 202.031†	7.2	0.79	11.02%	[0.01]	mg/L
Ni 231.604†	20.0	1.41	7.04%	[0.01]	mg/L
Pb 220.353†	5.6	0.40	7.24%	[0.01]	mg/L
Sb 206.836†	16.4	1.46	8.94%	[0.03]	mg/L
Se 196.026†	3.6	2.31	63.78%	[0.03]	mg/L
Si 251.611†	568.5	4.38	0.77%	[0.1]	mg/L
Sn 189.927†	3.8	0.98	25.56%	[0.01]	mg/L
Sr 421.552†	61879.9	540.82	0.87%	[0.05]	mg/L
Ti 334.940†	2639.3	86.17	3.27%	[0.01]	mg/L
Tl 190.801†	28.6	2.75	9.61%	[0.03]	mg/L
V 290.880†	192.4	46.84	24.35%	[0.005]	mg/L
Zn 206.200†	86.9	3.22	3.71%	[0.03]	mg/L
P 213.617†	82.2	0.62	0.75%	[1]	mg/L
S 181.975†	25.9	0.88	3.40%	[1]	mg/L
Na 589.592†	1446.2	670.88	46.39%	[0.5]	mg/L
K 766.490†	804.3	91.08	11.32%	[0.5]	mg/L
Hg 253.652†	6.5	12.16	186.27%	[0]	mg/L

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 3 **Autosampler Location: 3**
Sample ID: ICAL, ICAL2, S16949 **Date Collected: 7/20/2022 11:28:35 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL2, S16949

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	94228.5	1204.48	1.28%	107.8	%
Y Axial	509417.5	9177.66	1.80%	107.7	%
Al 308.215†	1443.9	22.70	1.57%	[0.2]	mg/L
As 188.979†	30.5	2.11	6.92%	[0.1]	mg/L
B 249.677†	396.1	19.80	5.00%	[0.1]	mg/L
Ba 233.527†	2646.5	109.80	4.15%	[0.1]	mg/L
Be 313.107†	11921.1	314.17	2.64%	[0.05]	mg/L
Cd 214.440†	452.1	19.04	4.21%	[0.05]	mg/L
Co 228.616†	272.4	12.13	4.45%	[0.05]	mg/L
Cr 267.716†	1795.6	81.38	4.53%	[0.1]	mg/L
Cu 324.752†	4790.4	152.02	3.17%	[0.1]	mg/L
Fe 238.204†	2885.6	130.15	4.51%	[0.2]	mg/L
Li 670.784†	9034.6	162.31	1.80%	[0.1]	mg/L
Mn 257.610†	23970.7	767.98	3.20%	[0.1]	mg/L
Mo 202.031†	68.0	3.01	4.43%	[0.1]	mg/L
Ni 231.604†	193.2	6.19	3.20%	[0.1]	mg/L
Pb 220.353†	53.4	2.74	5.13%	[0.1]	mg/L
Sb 206.836†	126.0	7.09	5.62%	[0.3]	mg/L
Se 196.026†	44.9	3.92	8.73%	[0.3]	mg/L
Sn 189.927†	27.4	0.85	3.09%	[0.1]	mg/L
Sr 421.552†	575811.5	3758.69	0.65%	[0.5]	mg/L
Ti 334.940†	25112.2	787.25	3.13%	[0.1]	mg/L
Tl 190.801†	257.5	14.94	5.80%	[0.3]	mg/L
V 290.880†	1843.4	64.02	3.47%	[0.05]	mg/L
Zn 206.200†	723.2	31.69	4.38%	[0.3]	mg/L
Hg 253.652†	-22.6	2.96	13.09%	[0]	mg/L

Standard intensity and concentration values are not in the same order.

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 4 **Autosampler Location: 4**
Sample ID: ICAL, ICAL3, S16948 **Date Collected: 7/20/2022 11:32:30 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL3, S16948

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	88625.8	1404.32	1.58%	101.4	%
Y Axial	517188.5	14784.34	2.86%	109.3	%
Al 308.215†	14772.1	412.93	2.80%	[2]	mg/L
As 188.979†	332.9	2.33	0.70%	[1]	mg/L
B 249.677†	4227.4	138.51	3.28%	[1]	mg/L
Ba 233.527†	27061.5	777.57	2.87%	[1]	mg/L
Be 313.107†	122543.1	1213.85	0.99%	[0.5]	mg/L
Cd 214.440†	4633.2	177.52	3.83%	[0.5]	mg/L
Co 228.616†	2777.0	80.07	2.88%	[0.5]	mg/L
Cr 267.716†	18156.2	528.51	2.91%	[1]	mg/L
Cu 324.752†	52479.3	547.03	1.04%	[1]	mg/L
Fe 238.204†	32034.5	973.07	3.04%	[2]	mg/L
Li 670.784†	97750.4	454.40	0.46%	[1]	mg/L
Mn 257.610†	246172.1	2290.98	0.93%	[1]	mg/L
Mo 202.031†	737.8	5.37	0.73%	[1]	mg/L
Ni 231.604†	2002.0	57.89	2.89%	[1]	mg/L
Pb 220.353†	552.1	9.94	1.80%	[1]	mg/L
Sb 206.836†	1229.4	7.72	0.63%	[3]	mg/L
Se 196.026†	473.4	6.17	1.30%	[3]	mg/L
Sn 189.927†	301.3	3.28	1.09%	[1]	mg/L
Sr 421.552†	5723433.5	320968.20	5.61%	[5]	mg/L
Ti 334.940†	264244.1	3279.84	1.24%	[1]	mg/L
Tl 190.801†	2813.4	26.75	0.95%	[3]	mg/L
V 290.880†	18625.2	534.54	2.87%	[0.5]	mg/L
Zn 206.200†	7580.0	277.07	3.66%	[3]	mg/L
Hg 253.652†	6.3	5.09	81.07%	[0]	mg/L

Standard intensity and concentration values are not in the same order.

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 5 **Autosampler Location: 5**
Sample ID: ICAL, ICAL4, S16947 **Date Collected: 7/20/2022 11:36:34 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL4, S16947

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	84392.8	1636.24	1.94%	96.58	%
Y Axial	461404.4	3720.84	0.81%	97.53	%
Al 308.215†	162409.1	1669.03	1.03%	[20]	mg/L
As 188.979†	3684.4	63.25	1.72%	[10]	mg/L
B 249.677†	47122.2	590.22	1.25%	[10]	mg/L
Ba 233.527†	284967.6	2347.85	0.82%	[10]	mg/L
Cd 214.440†	47766.5	529.87	1.11%	[5]	mg/L
Co 228.616†	29472.8	385.02	1.31%	[5]	mg/L
Cr 267.716†	194753.6	1849.52	0.95%	[10]	mg/L
Cu 324.752†	568190.3	5159.89	0.91%	[10]	mg/L
Fe 238.204†	334968.0	3449.56	1.03%	[20]	mg/L
Li 670.784†	1042917.3	3328.44	0.32%	[10]	mg/L
Mn 257.610†	2627974.9	60602.48	2.31%	[10]	mg/L
Mo 202.031†	8929.7	229.47	2.57%	[10]	mg/L
Ni 231.604†	21643.0	575.38	2.66%	[10]	mg/L
Pb 220.353†	5833.5	117.79	2.02%	[10]	mg/L
Sb 206.836†	14379.6	369.40	2.57%	[30]	mg/L
Sn 189.927†	3253.9	59.64	1.83%	[10]	mg/L
Ti 334.940†	2938997.6	70089.94	2.38%	[10]	mg/L
Tl 190.801†	29171.5	868.48	2.98%	[30]	mg/L
V 290.880†	202649.3	1825.89	0.90%	[5]	mg/L
Zn 206.200†	77106.1	879.95	1.14%	[30]	mg/L
Hg 253.652†	82.6	6.87	8.31%	[0]	mg/L

Standard intensity and concentration values are not in the same order.

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 6 **Autosampler Location: 9**
Sample ID: ICAL, ICAL5, S16645 **Date Collected: 7/20/2022 11:39:37 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL5, S16645

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	91760.8	1883.78	2.05%	105.0	%
Y Axial	461739.7	20155.13	4.37%	97.60	%
Ag 328.068†	128235.9	704.51	0.55%	[2]	mg/L
Hg 253.652†	-15.0	6.47	42.98%	[0]	mg/L

Standard intensity and concentration values are not in the same order.

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 7 **Autosampler Location: 10**
Sample ID: ICAL, ICAL6, S16518 **Date Collected: 7/20/2022 11:42:29 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL6, S16518

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	88912.0	990.89	1.11%	101.7	%
Y Axial	479051.1	10133.40	2.12%	101.3	%
Ca 315.887†	31931.2	295.72	0.93%	[10]	mg/L
Mg 279.077†	2226.9	9.27	0.42%	[10]	mg/L
Si 251.611†	53979.2	550.41	1.02%	[10]	mg/L
Na 589.592†	240910.4	4987.10	2.07%	[50]	mg/L
K 766.490†	88323.5	1182.56	1.34%	[50]	mg/L
Hg 253.652†	21.2	4.32	20.35%	[0]	mg/L

Standard intensity and concentration values are not in the same order.

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 8 **Autosampler Location: 101**
Sample ID: ICAL, ICAL7, S16959 **Date Collected: 7/20/2022 11:45:23 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL7, S16959

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	93016.9	2150.19	2.31%	106.4	%
Y Axial	499546.6	5706.66	1.14%	105.6	%
P 213.617†	702.8	22.03	3.13%	[10]	mg/L
S 181.975†	227.4	4.04	1.78%	[10]	mg/L
Hg 253.652†	-17.5	5.62	32.12%	[0]	mg/L

Standard intensity and concentration values are not in the same order.

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 9 **Autosampler Location: 102**
Sample ID: ICAL, ICAL8, S16519 **Date Collected: 7/20/2022 11:49:14 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL8, S16519

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	85764.0	2244.62	2.62%	98.14	%
Y Axial	437111.4	1262.39	0.29%	92.39	%
Ca 315.887†	661982.7	17835.35	2.69%	[200]	mg/L
Mg 279.077†	45563.7	552.44	1.21%	[200]	mg/L
Na 589.592†	1052932.2	23147.69	2.20%	[200]	mg/L
K 766.490†	403862.2	9444.56	2.34%	[200]	mg/L
Hg 253.652†	341.0	18.65	5.47%	[0]	mg/L

Standard intensity and concentration values are not in the same order.

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	1	Lin Thru 0	0.0	64120	0.00000	1.000000	
Al 308.215	4	Lin Thru 0	0.0	8113	0.00000	0.999959	
As 188.979	4	Lin Thru 0	0.0	368.1	0.00000	0.999953	
B 249.677	4	Lin Thru 0	0.0	4707	0.00000	0.999947	
Ba 233.527	4	Lin Thru 0	0.0	28480	0.00000	0.999987	
Be 313.107	3	Lin Thru 0	0.0	245000	0.00000	0.999996	
Ca 315.887	3	Lin Thru 0	0.0	3310	0.00000	0.999998	
Cd 214.440	4	Lin Thru 0	0.0	9550	0.00000	0.999995	
Co 228.616	4	Lin Thru 0	0.0	5891	0.00000	0.999983	
Cr 267.716	4	Lin Thru 0	0.0	19460	0.00000	0.999977	
Cu 324.752	4	Lin Thru 0	0.0	56780	0.00000	0.999970	
Fe 238.204	4	Lin Thru 0	0.0	16740	0.00000	0.999990	
Li 670.784	4	Lin Thru 0	0.0	104200	0.00000	0.999980	
Mg 279.077	3	Lin Thru 0	0.0	227.8	0.00000	0.999999	
Mn 257.610	4	Lin Thru 0	0.0	262600	0.00000	0.999980	
Mo 202.031	4	Lin Thru 0	0.0	891.4	0.00000	0.999849	
Ni 231.604	4	Lin Thru 0	0.0	2163	0.00000	0.999972	
Pb 220.353	4	Lin Thru 0	0.0	583.0	0.00000	0.999986	
Sb 206.836	4	Lin Thru 0	0.0	478.6	0.00000	0.999896	
Se 196.026	3	Lin Thru 0	0.0	157.7	0.00000	0.999985	
Si 251.611	2	Lin Thru 0	0.0	5398	0.00000	1.000000	
Sn 189.927	4	Lin Thru 0	0.0	325.1	0.00000	0.999972	
Sr 421.552	3	Lin Thru 0	0.0	1145000	0.00000	0.999999	
Ti 334.940	4	Lin Thru 0	0.0	293600	0.00000	0.999949	
Tl 190.801	4	Lin Thru 0	0.0	972.0	0.00000	0.999993	
V 290.880	4	Lin Thru 0	0.0	40500	0.00000	0.999967	
Zn 206.200	4	Lin Thru 0	0.0	2570	0.00000	0.999998	
P 213.617	2	Lin Thru 0	0.0	70.40	0.00000	0.999859	
S 181.975	2	Lin Thru 0	0.0	22.77	0.00000	0.999908	
Na 589.592	3	Lin Thru 0	0.0	5238	0.00000	0.999798	
K 766.490	3	Lin Thru 0	0.0	2004	0.00000	0.999560	
Hg 253.652	8	Lin Thru 0	0.0	0.0000	0.00000	0.000000	

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 12 **Autosampler Location: 109**
Sample ID: ICSA, S16979 **Date Collected: 7/20/2022 12:32:59 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**
User canceled analysis.

==========

Analysis Begun

Start Time: 7/20/2022 12:38:33 PM **Plasma On Time: 7/19/2022 8:35:56 AM**
Logged In Analyst: AAICP-ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 077C7020701 **Autosampler: ESI**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\07-19-22.sif
Batch ID: 07-19-22
Results Data Set:
Results Library:

==========

Sequence No.: 10 **Autosampler Location: 7**
Sample ID: ICV, S16870 **Date Collected: 7/20/2022 12:38:34 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**
User canceled analysis.

==========

Analysis Begun

Start Time: 7/20/2022 12:38:58 PM **Plasma On Time: 7/19/2022 8:35:56 AM**
Logged In Analyst: AAICP-ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 077C7020701 **Autosampler: ESI**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\07-19-22.sif
Batch ID: 07-19-22
Results Data Set:
Results Library:

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Sequence No.: 10 **Autosampler Location: 7**
Sample ID: ICV, S16870 **Date Collected: 7/20/2022 12:38:58 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICV, S16870

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	88921.4	101.8	%	1.19				1.17%
Y Axial	454511.3	96.07	%	1.494				1.56%
Ag 328.068†	33351.0	0.5204	mg/L	0.01657	0.5204	mg/L	0.01657	3.18%
QC value within limits for Ag 328.068 Recovery = 104.08%								
Al 308.215†	8732.8	1.076	mg/L	0.0247	1.076	mg/L	0.0247	2.30%
QC value within limits for Al 308.215 Recovery = 107.64%								
As 188.979†	387.2	1.051	mg/L	0.0068	1.051	mg/L	0.0068	0.64%
QC value within limits for As 188.979 Recovery = 105.15%								
B 249.677†	4986.7	1.059	mg/L	0.0240	1.059	mg/L	0.0240	2.27%
QC value within limits for B 249.677 Recovery = 105.93%								
Ba 233.527†	28228.3	0.9911	mg/L	0.02899	0.9911	mg/L	0.02899	2.93%
QC value within limits for Ba 233.527 Recovery = 99.11%								
Be 313.107†	273138.6	1.115	mg/L	0.0093	1.115	mg/L	0.0093	0.84%
QC value greater than the upper limit for Be 313.107 Recovery = 111.48%								
Ca 315.887†	312931.2	94.55	mg/L	1.996	94.55	mg/L	1.996	2.11%
QC value within limits for Ca 315.887 Recovery = 93.62%								

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Cd 214.440†             9780.6       1.024 mg/L        0.0370       1.024 mg/L        0.0370   3.62%
   QC value within limits for Cd 214.440  Recovery = 102.41%
Co 228.616†             5892.9      0.9986 mg/L       0.03429      0.9986 mg/L       0.03429   3.43%
   QC value within limits for Co 228.616  Recovery = 99.86%
Cr 267.716†            19675.1       1.011 mg/L        0.0298       1.011 mg/L        0.0298   2.95%
   QC value within limits for Cr 267.716  Recovery = 101.09%
Cu 324.752†            56036.3      0.9870 mg/L       0.02641      0.9870 mg/L       0.02641   2.68%
   QC value within limits for Cu 324.752  Recovery = 98.70%
Fe 238.204†            18614.0       1.112 mg/L        0.0422       1.112 mg/L        0.0422   3.80%
   QC value greater than the upper limit for Fe 238.204  Recovery = 111.19%
Li 670.784†           109033.9       1.046 mg/L        0.0167       1.046 mg/L        0.0167   1.60%
   QC value within limits for Li 670.784  Recovery = 104.61%
Mg 279.077†            22394.9       98.31 mg/L         1.575       98.31 mg/L         1.575   1.60%
   QC value within limits for Mg 279.077  Recovery = 97.33%
Mn 257.610†           261150.3      0.9944 mg/L       0.00757      0.9944 mg/L       0.00757   0.76%
   QC value within limits for Mn 257.610  Recovery = 99.44%
Mo 202.031†              927.0       1.040 mg/L        0.0178       1.040 mg/L        0.0178   1.71%
   QC value within limits for Mo 202.031  Recovery = 103.99%
Ni 231.604†             2185.4       1.011 mg/L        0.0144       1.011 mg/L        0.0144   1.42%
   QC value within limits for Ni 231.604  Recovery = 101.05%
Pb 220.353†              574.1      0.9846 mg/L       0.01042      0.9846 mg/L       0.01042   1.06%
   QC value within limits for Pb 220.353  Recovery = 98.46%
Sb 206.836†              519.0       1.079 mg/L        0.0193       1.079 mg/L        0.0193   1.79%
   QC value within limits for Sb 206.836  Recovery = 107.88%
Se 196.026†              171.3       1.086 mg/L        0.0080       1.086 mg/L        0.0080   0.73%
   QC value within limits for Se 196.026  Recovery = 108.62%
Si 251.611†            31705.0       5.861 mg/L        0.2025       5.861 mg/L        0.2025   3.46%
   QC value greater than the upper limit for Si 251.611  Recovery = 117.23%
Sn 189.927†             1573.7       4.840 mg/L        0.0667       4.840 mg/L        0.0667   1.38%
   QC value within limits for Sn 189.927  Recovery = 96.80%
Sr 421.552†          1360121.9       1.188 mg/L        0.0019       1.188 mg/L        0.0019   0.16%
   QC value greater than the upper limit for Sr 421.552  Recovery = 118.81%
Ti 334.940†           290050.0      0.9879 mg/L       0.00744      0.9879 mg/L       0.00744   0.75%
   QC value within limits for Ti 334.940  Recovery = 98.79%
Tl 190.801†              975.6       1.012 mg/L        0.0193       1.012 mg/L        0.0193   1.91%
   QC value within limits for Tl 190.801  Recovery = 101.24%
V 290.880†             41939.9       1.036 mg/L        0.0297       1.036 mg/L        0.0297   2.87%
   QC value within limits for V 290.880  Recovery = 103.56%
Zn 206.200†             2737.7       1.065 mg/L        0.0135       1.065 mg/L        0.0135   1.26%
   QC value within limits for Zn 206.200  Recovery = 106.50%
P 213.617†               435.4       6.185 mg/L        0.1214       6.185 mg/L        0.1214   1.96%
S 181.975†                 2.8      0.1235 mg/L       0.14496      0.1235 mg/L       0.14496 117.36%
Na 589.592†           505303.2       96.46 mg/L         1.362       96.46 mg/L         1.362   1.41%
   QC value within limits for Na 589.592  Recovery = 95.51%
K 766.490†            209463.6       104.5 mg/L          1.62       104.5 mg/L          1.62   1.55%
   QC value within limits for K 766.490  Recovery = 95.00%
Hg 253.652†              205.6      0.0000 mg/L       0.00000      0.0000 mg/L       0.00000   0.00%
QC Failed.  Stop the analysis.
```

ENTHALPY INSTRUMENT BLANK FOR 465924 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114015 File : met02_hg_062822 Time : 20-JUL-2022 12:54
Cal : 22290114001 Caldate : 20-JUL-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	508391	7.46

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC
User canceled analysis.

==========

Analysis Begun

Start Time: 7/20/2022 12:54:25 PM **Plasma On Time: 7/19/2022 8:35:56 AM**
Logged In Analyst: AAICP-ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 077C7020701 **Autosampler: ESI**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\07-19-22.sif
Batch ID: 07-19-22
Results Data Set:
Results Library:

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Sequence No.: 11 **Autosampler Location: 8**
Sample ID: ICB **Date Collected: 7/20/2022 12:54:26 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y Radial	93540.7	107.0	%	1.47				1.37%
Y Axial	508390.5	107.5	%	2.87				2.67%
Ag 328.068†	7.6	0.0001	mg/L	0.00044	0.0001	mg/L	0.00044	384.29%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-54.7	-0.0067	mg/L	0.00507	-0.0067	mg/L	0.00507	75.19%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-1.4	-0.0037	mg/L	0.00329	-0.0037	mg/L	0.00329	88.86%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-33.4	-0.0071	mg/L	0.00120	-0.0071	mg/L	0.00120	16.87%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 233.527†	-0.5	-0.0000	mg/L	0.00006	-0.0000	mg/L	0.00006	366.89%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-1.3	-0.0000	mg/L	0.00014	-0.0000	mg/L	0.00014	>999.9%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	-50.8	-0.0153	mg/L	0.00756	-0.0153	mg/L	0.00756	49.28%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440†	-0.4	-0.0000	mg/L	0.00010	-0.0000	mg/L	0.00010	223.90%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	-0.9	-0.0001	mg/L	0.00045	-0.0001	mg/L	0.00045	297.84%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-1.0	-0.0001	mg/L	0.00009	-0.0001	mg/L	0.00009	168.11%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-244.7	-0.0043	mg/L	0.00010	-0.0043	mg/L	0.00010	2.38%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 238.204†	-426.7	-0.0255	mg/L	0.00071	-0.0255	mg/L	0.00071	2.78%
QC value within limits for Fe 238.204 Recovery = Not calculated								
Li 670.784†	-585.8	-0.0056	mg/L	0.00055	-0.0056	mg/L	0.00055	9.74%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.077†	2.0	0.0086	mg/L	0.00742	0.0086	mg/L	0.00742	86.06%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-369.0	-0.0014	mg/L	0.00007	-0.0014	mg/L	0.00007	5.32%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	0.4	0.0005	mg/L	0.00071	0.0005	mg/L	0.00071	143.25%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	0.6	0.0003	mg/L	0.00023	0.0003	mg/L	0.00023	80.67%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	0.2	0.0003	mg/L	0.00198	0.0003	mg/L	0.00198	660.47%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-0.3	-0.0006	mg/L	0.00307	-0.0006	mg/L	0.00307	496.53%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-0.8	-0.0051	mg/L	0.00681	-0.0051	mg/L	0.00681	133.54%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	170.4	0.0316	mg/L	0.01102	0.0316	mg/L	0.01102	34.93%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-3.2	-0.0100	mg/L	0.00189	-0.0100	mg/L	0.00189	19.00%

```
Sr 421.552†             -434.3     -0.0004 mg/L       0.00003     -0.0004 mg/L       0.00003   8.20%
   QC value within limits for Sr 421.552  Recovery = Not calculated
Ti 334.940†             -427.0     -0.0015 mg/L       0.00009     -0.0015 mg/L       0.00009   6.08%
   QC value within limits for Ti 334.940  Recovery = Not calculated
Tl 190.801†               -0.9     -0.0010 mg/L       0.00196     -0.0010 mg/L       0.00196 198.20%
   QC value within limits for Tl 190.801  Recovery = Not calculated
V 290.880†               -46.2     -0.0011 mg/L       0.00121     -0.0011 mg/L       0.00121 105.68%
   QC value within limits for V 290.880  Recovery = Not calculated
Zn 206.200†              -11.3     -0.0044 mg/L       0.00015     -0.0044 mg/L       0.00015   3.34%
   QC value within limits for Zn 206.200  Recovery = Not calculated
P 213.617†                 0.7      0.0097 mg/L       0.02635      0.0097 mg/L       0.02635 272.71%
S 181.975†                 1.3      0.0591 mg/L       0.02597      0.0591 mg/L       0.02597  43.93%
Na 589.592†            -1365.1     -0.2606 mg/L       0.19017     -0.2606 mg/L       0.19017  72.98%
   QC value less than the lower limit for Na 589.592  Recovery = -52.12%
K 766.490†               222.3      0.1109 mg/L       0.00706      0.1109 mg/L       0.00706   6.36%
   QC value less than the lower limit for K 766.490  Recovery = 22.18%
Hg 253.652†              -12.9      0.0000 mg/L       0.00000      0.0000 mg/L       0.00000   0.00%
QC Failed.  Continue with analysis.
```

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 465924 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114016 File : met02_hg_062822 Time : 20-JUL-2022 12:58
Cal : 22290114001 Caldate : 20-JUL-2022
Standards: S16979, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[0.007900]	0.01000	mg/L	

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	432.9	mg/L	108	
Calcium	A	400.0	391.2	mg/L	98	
Iron	A	160.0	145.8	mg/L	91	
Magnesium	A	400.0	421.8	mg/L	105	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	437705	-7.48

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 12 **Autosampler Location: 109**
Sample ID: ICSA, S16979 **Date Collected: 7/20/2022 12:58:22 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICSA, S16979

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	86824.7	99.36	%	2.595				2.61%
Y Axial	437704.9	92.52	%	2.704				2.92%
Ag 328.068†	-2301.8	-0.0036	mg/L	0.00148	-0.0036	mg/L	0.00148	40.59%
Al 308.215†	3512187.5	432.9	mg/L	3.74	432.9	mg/L	3.74	0.86%
QC value within limits for Al 308.215 Recovery = 108.23%								
As 188.979†	0.3	0.0009	mg/L	0.01125	0.0009	mg/L	0.01125	>999.9%
B 249.677†	20.7	0.0044	mg/L	0.01339	0.0044	mg/L	0.01339	304.96%
Ba 233.527†	157.9	0.0055	mg/L	0.00020	0.0055	mg/L	0.00020	3.61%
Be 313.107†	-43.9	-0.0002	mg/L	0.00006	-0.0002	mg/L	0.00006	34.92%
Ca 315.887†	1294603.3	391.2	mg/L	15.57	391.2	mg/L	15.57	3.98%
QC value within limits for Ca 315.887 Recovery = 97.79%								
Cd 214.440†	61.9	0.0065	mg/L	0.00063	0.0065	mg/L	0.00063	9.79%
Co 228.616†	7.4	0.0013	mg/L	0.00006	0.0013	mg/L	0.00006	4.55%
Cr 267.716†	1.9	0.0001	mg/L	0.00019	0.0001	mg/L	0.00019	194.95%
Cu 324.752†	56.8	0.0010	mg/L	0.00025	0.0010	mg/L	0.00025	25.48%
Fe 238.204†	2441014.8	145.8	mg/L	1.38	145.8	mg/L	1.38	0.95%
QC value within limits for Fe 238.204 Recovery = 91.13%								
Li 670.784†	193.4	0.0019	mg/L	0.00101	0.0019	mg/L	0.00101	54.63%
Mg 279.077†	96078.3	421.8	mg/L	3.54	421.8	mg/L	3.54	0.84%
QC value within limits for Mg 279.077 Recovery = 105.44%								
Mn 257.610†	-427.9	-0.0016	mg/L	0.00027	-0.0016	mg/L	0.00027	16.29%
Mo 202.031†	3.6	0.0041	mg/L	0.00438	0.0041	mg/L	0.00438	108.06%
Ni 231.604†	-4.0	-0.0018	mg/L	0.00137	-0.0018	mg/L	0.00137	74.24%
Pb 220.353†	4.6	0.0079	mg/L	0.00594	0.0079	mg/L	0.00594	75.34%
Sb 206.836†	11.3	0.0236	mg/L	0.00953	0.0236	mg/L	0.00953	40.42%
Se 196.026†	-2.3	-0.0145	mg/L	0.00892	-0.0145	mg/L	0.00892	61.62%
Si 251.611†	16.3	0.0030	mg/L	0.00121	0.0030	mg/L	0.00121	40.47%
Sn 189.927†	3.0	0.0093	mg/L	0.00912	0.0093	mg/L	0.00912	98.54%
Sr 421.552†	25280.5	0.0221	mg/L	0.00081	0.0221	mg/L	0.00081	3.65%
Ti 334.940†	-45.7	-0.0002	mg/L	0.00057	-0.0002	mg/L	0.00057	367.33%
Tl 190.801†	-15.4	-0.0158	mg/L	0.01396	-0.0158	mg/L	0.01396	88.13%
V 290.880†	-481.6	-0.0119	mg/L	0.00016	-0.0119	mg/L	0.00016	1.31%
Zn 206.200†	-24.2	-0.0094	mg/L	0.00024	-0.0094	mg/L	0.00024	2.56%
P 213.617†	-6.4	-0.0903	mg/L	0.03183	-0.0903	mg/L	0.03183	35.26%
S 181.975†	-4.3	-0.1906	mg/L	0.06322	-0.1906	mg/L	0.06322	33.16%
Na 589.592†	6574.3	1.255	mg/L	0.1252	1.255	mg/L	0.1252	9.98%
K 766.490†	433.0	0.2160	mg/L	0.04609	0.2160	mg/L	0.04609	21.33%
Hg 253.652†	661.8	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

All analyte(s) passed QC.

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 465924 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114017 File : met02_hg_062822 Time : 20-JUL-2022 13:01
Cal : 22290114001 Caldate : 20-JUL-2022
Standards: S16601, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9605	mg/L	-4	20	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	430534	-9.00

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 13 **Autosampler Location: 110**
Sample ID: ICSAB, S16601 **Date Collected: 7/20/2022 1:01:25 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICSAB, S16601

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	87033.4	99.60	%	0.680				0.68%
Y Axial	430533.8	91.00	%	1.670				1.84%
Ag 328.068†	69977.0	1.124	mg/L	0.0545	1.124	mg/L	0.0545	4.85%
QC value within limits for Ag 328.068 Recovery = 112.42%								
Al 308.215†	3588251.4	442.3	mg/L	6.30	442.3	mg/L	6.30	1.42%
QC value within limits for Al 308.215 Recovery = 110.57%								
As 188.979†	0.2	0.0004	mg/L	0.00623	0.0004	mg/L	0.00623	>999.9%
B 249.677†	32.3	0.0069	mg/L	0.00607	0.0069	mg/L	0.00607	88.59%
Ba 233.527†	14593.6	0.5124	mg/L	0.02447	0.5124	mg/L	0.02447	4.78%
QC value within limits for Ba 233.527 Recovery = 102.47%								
Be 313.107†	135309.8	0.5522	mg/L	0.00953	0.5522	mg/L	0.00953	1.73%
QC value within limits for Be 313.107 Recovery = 110.45%								
Ca 315.887†	1297100.3	391.9	mg/L	13.93	391.9	mg/L	13.93	3.55%
QC value within limits for Ca 315.887 Recovery = 97.98%								
Cd 214.440†	9589.9	1.004	mg/L	0.0591	1.004	mg/L	0.0591	5.89%
QC value within limits for Cd 214.440 Recovery = 100.41%								
Co 228.616†	2755.7	0.4678	mg/L	0.00662	0.4678	mg/L	0.00662	1.42%
QC value within limits for Co 228.616 Recovery = 93.55%								
Cr 267.716†	9722.4	0.4996	mg/L	0.02707	0.4996	mg/L	0.02707	5.42%
QC value within limits for Cr 267.716 Recovery = 99.91%								
Cu 324.752†	29475.4	0.5192	mg/L	0.02516	0.5192	mg/L	0.02516	4.85%
QC value within limits for Cu 324.752 Recovery = 103.83%								
Fe 238.204†	2486571.7	148.5	mg/L	2.53	148.5	mg/L	2.53	1.71%
QC value within limits for Fe 238.204 Recovery = 92.83%								
Li 670.784†	152.9	0.0015	mg/L	0.00092	0.0015	mg/L	0.00092	63.00%
Mg 279.077†	97986.6	430.1	mg/L	0.96	430.1	mg/L	0.96	0.22%
QC value within limits for Mg 279.077 Recovery = 107.53%								
Mn 257.610†	129433.8	0.4928	mg/L	0.02565	0.4928	mg/L	0.02565	5.20%
QC value within limits for Mn 257.610 Recovery = 98.57%								
Mo 202.031†	-0.6	-0.0007	mg/L	0.00261	-0.0007	mg/L	0.00261	358.30%
Ni 231.604†	1928.8	0.8919	mg/L	0.01453	0.8919	mg/L	0.01453	1.63%
QC value within limits for Ni 231.604 Recovery = 89.19%								
Pb 220.353†	560.0	0.9605	mg/L	0.01963	0.9605	mg/L	0.01963	2.04%
QC value within limits for Pb 220.353 Recovery = 96.05%								
Sb 206.836†	11.4	0.0211	mg/L	0.00984	0.0211	mg/L	0.00984	46.66%
Se 196.026†	-5.8	-0.0367	mg/L	0.01871	-0.0367	mg/L	0.01871	50.98%
Si 251.611†	5.9	0.0011	mg/L	0.00262	0.0011	mg/L	0.00262	237.12%
Sn 189.927†	0.5	0.0014	mg/L	0.00623	0.0014	mg/L	0.00623	430.58%
Sr 421.552†	25995.2	0.0227	mg/L	0.00108	0.0227	mg/L	0.00108	4.74%
Ti 334.940†	-304.3	-0.0010	mg/L	0.00017	-0.0010	mg/L	0.00017	16.27%
Tl 190.801†	-18.4	-0.0190	mg/L	0.00494	-0.0190	mg/L	0.00494	26.05%
V 290.880†	20343.3	0.5023	mg/L	0.02938	0.5023	mg/L	0.02938	5.85%
QC value within limits for V 290.880 Recovery = 100.47%								
Zn 206.200†	2543.2	0.9895	mg/L	0.01579	0.9895	mg/L	0.01579	1.60%
QC value within limits for Zn 206.200 Recovery = 98.95%								
P 213.617†	-7.2	-0.1029	mg/L	0.02077	-0.1029	mg/L	0.02077	20.18%
S 181.975†	-2.9	-0.1293	mg/L	0.03120	-0.1293	mg/L	0.03120	24.13%
Na 589.592†	3537.1	0.6752	mg/L	0.39576	0.6752	mg/L	0.39576	58.61%
K 766.490†	218.8	0.1091	mg/L	0.02180	0.1091	mg/L	0.02180	19.98%
Hg 253.652†	664.8	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

All analyte(s) passed QC.

ENTHALPY CONTINUING CALIBRATION FOR 465924 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114108 File : met02_hg_062822 Time : 20-JUL-2022 18:47
Cal : 22290114001 Caldate : 20-JUL-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	557.36	576.40	1.000	0.9886	mg/L	-1	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	433230	-8.43

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC
User canceled analysis.

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Analysis Begun

Start Time: 7/20/2022 6:47:39 PM **Plasma On Time: 7/19/2022 8:35:56 AM**
Logged In Analyst: AAICP-ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 077C7020701 **Autosampler: ESI**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\07-19-22c.sif
Batch ID: 07-19-22
Results Data Set:
Results Library:

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Sequence No.: 28 **Autosampler Location: 7**
Sample ID: CCV, S16870 **Date Collected: 7/20/2022 6:47:41 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: CCV, S16870

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	87088.8	99.66	%	2.588				2.60%
Y Axial	433229.9	91.57	%	1.007				1.10%
Ag 328.068†	34240.2	0.5343	mg/L	0.01058	0.5343	mg/L	0.01058	1.98%
QC value within limits for Ag 328.068 Recovery = 106.85%								
Al 308.215†	9056.4	1.116	mg/L	0.0256	1.116	mg/L	0.0256	2.29%
QC value greater than the upper limit for Al 308.215 Recovery = 111.63%								
As 188.979†	382.1	1.038	mg/L	0.0149	1.038	mg/L	0.0149	1.43%
QC value within limits for As 188.979 Recovery = 103.77%								
B 249.677†	5133.3	1.090	mg/L	0.0230	1.090	mg/L	0.0230	2.11%
QC value within limits for B 249.677 Recovery = 109.05%								
Ba 233.527†	28559.1	1.003	mg/L	0.0229	1.003	mg/L	0.0229	2.29%
QC value within limits for Ba 233.527 Recovery = 100.27%								
Be 313.107†	268155.2	1.094	mg/L	0.0168	1.094	mg/L	0.0168	1.54%
QC value within limits for Be 313.107 Recovery = 109.44%								
Ca 315.887†	318982.8	96.38	mg/L	4.824	96.38	mg/L	4.824	5.01%
QC value within limits for Ca 315.887 Recovery = 95.43%								
Cd 214.440†	10080.7	1.056	mg/L	0.0245	1.056	mg/L	0.0245	2.32%
QC value within limits for Cd 214.440 Recovery = 105.55%								
Co 228.616†	5939.5	1.007	mg/L	0.0184	1.007	mg/L	0.0184	1.83%
QC value within limits for Co 228.616 Recovery = 100.66%								
Cr 267.716†	19977.9	1.026	mg/L	0.0229	1.026	mg/L	0.0229	2.23%
QC value within limits for Cr 267.716 Recovery = 102.65%								
Cu 324.752†	59581.2	1.049	mg/L	0.0254	1.049	mg/L	0.0254	2.42%
QC value within limits for Cu 324.752 Recovery = 104.94%								
Fe 238.204†	19171.0	1.145	mg/L	0.0197	1.145	mg/L	0.0197	1.72%
QC value greater than the upper limit for Fe 238.204 Recovery = 114.52%								
Li 670.784†	113115.4	1.085	mg/L	0.0566	1.085	mg/L	0.0566	5.21%
QC value within limits for Li 670.784 Recovery = 108.53%								
Mg 279.077†	21640.4	95.00	mg/L	1.088	95.00	mg/L	1.088	1.15%
QC value within limits for Mg 279.077 Recovery = 94.05%								
Mn 257.610†	255572.4	0.9731	mg/L	0.01573	0.9731	mg/L	0.01573	1.62%
QC value within limits for Mn 257.610 Recovery = 97.31%								
Mo 202.031†	907.0	1.017	mg/L	0.0136	1.017	mg/L	0.0136	1.34%
QC value within limits for Mo 202.031 Recovery = 101.75%								
Ni 231.604†	2323.5	1.074	mg/L	0.0211	1.074	mg/L	0.0211	1.97%
QC value within limits for Ni 231.604 Recovery = 107.44%								
Pb 220.353†	576.4	0.9886	mg/L	0.01406	0.9886	mg/L	0.01406	1.42%
QC value within limits for Pb 220.353 Recovery = 98.86%								
Sb 206.836†	527.7	1.097	mg/L	0.0205	1.097	mg/L	0.0205	1.87%
QC value within limits for Sb 206.836 Recovery = 109.68%								
Se 196.026†	174.1	1.104	mg/L	0.0221	1.104	mg/L	0.0221	2.00%
QC value greater than the upper limit for Se 196.026 Recovery = 110.36%								
Si 251.611†	33127.7	6.125	mg/L	0.1205	6.125	mg/L	0.1205	1.97%
QC value greater than the upper limit for Si 251.611 Recovery = 122.51%								
Sn 189.927†	1612.4	4.959	mg/L	0.0651	4.959	mg/L	0.0651	1.31%

```
   QC value within limits for Sn 189.927  Recovery = 99.18%
Sr 421.552†          1834335.3       1.602 mg/L        0.0375       1.602 mg/L        0.0375   2.34%
   QC value greater than the upper limit for Sr 421.552  Recovery = 160.24%
Ti 334.940†           268322.0      0.9139 mg/L       0.01221      0.9139 mg/L       0.01221   1.34%
   QC value within limits for Ti 334.940  Recovery = 91.39%
Tl 190.801†             1010.9       1.048 mg/L        0.0163       1.048 mg/L        0.0163   1.55%
   QC value within limits for Tl 190.801  Recovery = 104.80%
V 290.880†             41584.9       1.027 mg/L        0.0244       1.027 mg/L        0.0244   2.37%
   QC value within limits for V 290.880  Recovery = 102.69%
Zn 206.200†             2843.1       1.106 mg/L        0.0229       1.106 mg/L        0.0229   2.07%
   QC value greater than the upper limit for Zn 206.200  Recovery = 110.60%
P 213.617†               421.6       5.988 mg/L        0.1417       5.988 mg/L        0.1417   2.37%
S 181.975†                -0.0     -0.0020 mg/L       0.15976     -0.0020 mg/L       0.15976 >999.9%
Na 589.592†           550472.8       105.1 mg/L          5.61       105.1 mg/L          5.61   5.34%
   QC value within limits for Na 589.592  Recovery = 104.04%
K 766.490†            219532.8       109.5 mg/L          5.67       109.5 mg/L          5.67   5.18%
   QC value within limits for K 766.490  Recovery = 99.57%
Hg 253.652†              189.9      0.0000 mg/L       0.00000      0.0000 mg/L       0.00000   0.00%
QC Failed.  Continue with analysis.
```

ENTHALPY INSTRUMENT BLANK FOR 465924 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114109 File : met02_hg_062822 Time : 20-JUL-2022 18:51
Cal : 22290114001 Caldate : 20-JUL-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	491137	3.81

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 29 **Autosampler Location: 8**
Sample ID: CCB **Date Collected: 7/20/2022 6:51:44 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	91861.1	105.1	%	3.81				3.62%
Y Axial	491136.7	103.8	%	2.61				2.52%
Ag 328.068†	66.2	0.0010	mg/L	0.00053	0.0010	mg/L	0.00053	51.87%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-38.9	-0.0048	mg/L	0.00003	-0.0048	mg/L	0.00003	0.52%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-1.6	-0.0045	mg/L	0.00282	-0.0045	mg/L	0.00282	63.29%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	12.6	0.0027	mg/L	0.00033	0.0027	mg/L	0.00033	12.26%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 233.527†	3.4	0.0001	mg/L	0.00008	0.0001	mg/L	0.00008	68.84%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	33.7	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002	17.09%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	-21.2	-0.0064	mg/L	0.00559	-0.0064	mg/L	0.00559	87.16%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440†	2.0	0.0002	mg/L	0.00014	0.0002	mg/L	0.00014	69.06%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	-0.4	-0.0001	mg/L	0.00018	-0.0001	mg/L	0.00018	254.51%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	5.5	0.0003	mg/L	0.00033	0.0003	mg/L	0.00033	115.85%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-238.7	-0.0042	mg/L	0.00018	-0.0042	mg/L	0.00018	4.29%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 238.204†	-342.8	-0.0205	mg/L	0.00093	-0.0205	mg/L	0.00093	4.55%
QC value within limits for Fe 238.204 Recovery = Not calculated								
Li 670.784†	-390.7	-0.0037	mg/L	0.00078	-0.0037	mg/L	0.00078	20.89%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.077†	2.4	0.0106	mg/L	0.00659	0.0106	mg/L	0.00659	62.29%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-342.3	-0.0013	mg/L	0.00007	-0.0013	mg/L	0.00007	5.39%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	9.8	0.0110	mg/L	0.00020	0.0110	mg/L	0.00020	1.81%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	-0.5	-0.0002	mg/L	0.00032	-0.0002	mg/L	0.00032	138.94%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-0.0	-0.0000	mg/L	0.00182	-0.0000	mg/L	0.00182	>999.9%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-0.5	-0.0011	mg/L	0.00268	-0.0011	mg/L	0.00268	235.02%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-0.2	-0.0015	mg/L	0.00089	-0.0015	mg/L	0.00089	58.28%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	168.2	0.0310	mg/L	0.00523	0.0310	mg/L	0.00523	16.85%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-3.0	-0.0093	mg/L	0.00164	-0.0093	mg/L	0.00164	17.78%
Sr 421.552†	-245.4	-0.0002	mg/L	0.00005	-0.0002	mg/L	0.00005	25.12%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	-409.3	-0.0014	mg/L	0.00003	-0.0014	mg/L	0.00003	2.26%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-0.8	-0.0009	mg/L	0.00316	-0.0009	mg/L	0.00316	359.66%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-69.5	-0.0017	mg/L	0.00029	-0.0017	mg/L	0.00029	16.69%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	-10.0	-0.0039	mg/L	0.00034	-0.0039	mg/L	0.00034	8.76%
QC value within limits for Zn 206.200 Recovery = Not calculated								
P 213.617†	-0.5	-0.0073	mg/L	0.01031	-0.0073	mg/L	0.01031	142.06%
S 181.975†	-0.8	-0.0355	mg/L	0.09885	-0.0355	mg/L	0.09885	278.67%
Na 589.592†	-4905.7	-0.9365	mg/L	0.06288	-0.9365	mg/L	0.06288	6.71%

QC value less than the lower limit for Na 589.592 Recovery = Not calculated

K 766.490†	991.8	0.4948 mg/L	0.03189	0.4948 mg/L	0.03189	6.45%

QC value greater than the upper limit for K 766.490 Recovery = Not calculated

Hg 253.652†	-13.8	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	0.00%

QC Failed. Continue with analysis.

ENTHALPY CONTINUING CALIBRATION FOR 465924 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114116 File : met02_hg_062822 Time : 20-JUL-2022 19:19
Cal : 22290114001 Caldate : 20-JUL-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	557.36	556.00	1.000	0.9536	mg/L	-5	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	431683	-8.76

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 160 **Autosampler Location: 7**
Sample ID: CCV, S16870 **Date Collected: 7/20/2022 7:19:46 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: CCV, S16870

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	83375.7	95.41	%	1.396				1.46%
Y Axial	431683.0	91.24	%	1.390				1.52%
Ag 328.068†	33193.9	0.5180	mg/L	0.00690	0.5180	mg/L	0.00690	1.33%
QC value within limits for Ag 328.068 Recovery = 103.60%								
Al 308.215†	8532.2	1.052	mg/L	0.0338	1.052	mg/L	0.0338	3.22%
QC value within limits for Al 308.215 Recovery = 105.17%								
As 188.979†	371.8	1.010	mg/L	0.0496	1.010	mg/L	0.0496	4.91%
QC value within limits for As 188.979 Recovery = 100.98%								
B 249.677†	4933.2	1.048	mg/L	0.0225	1.048	mg/L	0.0225	2.15%
QC value within limits for B 249.677 Recovery = 104.80%								
Ba 233.527†	27208.5	0.9553	mg/L	0.02428	0.9553	mg/L	0.02428	2.54%
QC value within limits for Ba 233.527 Recovery = 95.53%								
Be 313.107†	266717.4	1.089	mg/L	0.0284	1.089	mg/L	0.0284	2.61%
QC value within limits for Be 313.107 Recovery = 108.85%								
Ca 315.887†	324631.5	98.09	mg/L	1.863	98.09	mg/L	1.863	1.90%
QC value within limits for Ca 315.887 Recovery = 97.12%								
Cd 214.440†	9577.6	1.003	mg/L	0.0223	1.003	mg/L	0.0223	2.22%
QC value within limits for Cd 214.440 Recovery = 100.29%								
Co 228.616†	5676.7	0.9620	mg/L	0.02892	0.9620	mg/L	0.02892	3.01%
QC value within limits for Co 228.616 Recovery = 96.20%								
Cr 267.716†	18993.2	0.9759	mg/L	0.02756	0.9759	mg/L	0.02756	2.82%
QC value within limits for Cr 267.716 Recovery = 97.59%								
Cu 324.752†	56488.4	0.9949	mg/L	0.02550	0.9949	mg/L	0.02550	2.56%
QC value within limits for Cu 324.752 Recovery = 99.49%								
Fe 238.204†	21023.1	1.256	mg/L	0.1009	1.256	mg/L	0.1009	8.04%
QC value greater than the upper limit for Fe 238.204 Recovery = 125.58%								
Li 670.784†	116381.0	1.117	mg/L	0.0287	1.117	mg/L	0.0287	2.57%
QC value greater than the upper limit for Li 670.784 Recovery = 111.66%								
Mg 279.077†	21627.3	94.94	mg/L	1.188	94.94	mg/L	1.188	1.25%
QC value within limits for Mg 279.077 Recovery = 94.00%								
Mn 257.610†	254296.0	0.9683	mg/L	0.02520	0.9683	mg/L	0.02520	2.60%
QC value within limits for Mn 257.610 Recovery = 96.83%								
Mo 202.031†	853.4	0.9574	mg/L	0.04649	0.9574	mg/L	0.04649	4.86%
QC value within limits for Mo 202.031 Recovery = 95.74%								
Ni 231.604†	2230.0	1.031	mg/L	0.0465	1.031	mg/L	0.0465	4.50%
QC value within limits for Ni 231.604 Recovery = 103.12%								
Pb 220.353†	556.0	0.9536	mg/L	0.04156	0.9536	mg/L	0.04156	4.36%
QC value within limits for Pb 220.353 Recovery = 95.36%								
Sb 206.836†	501.4	1.042	mg/L	0.0532	1.042	mg/L	0.0532	5.10%
QC value within limits for Sb 206.836 Recovery = 104.20%								
Se 196.026†	169.6	1.075	mg/L	0.0329	1.075	mg/L	0.0329	3.07%
QC value within limits for Se 196.026 Recovery = 107.50%								
Si 251.611†	31461.8	5.817	mg/L	0.0826	5.817	mg/L	0.0826	1.42%
QC value greater than the upper limit for Si 251.611 Recovery = 116.35%								
Sn 189.927†	1517.8	4.668	mg/L	0.2156	4.668	mg/L	0.2156	4.62%
QC value within limits for Sn 189.927 Recovery = 93.36%								
Sr 421.552†	1709361.3	1.493	mg/L	0.0227	1.493	mg/L	0.0227	1.52%
QC value greater than the upper limit for Sr 421.552 Recovery = 149.32%								
Ti 334.940†	269510.5	0.9179	mg/L	0.02519	0.9179	mg/L	0.02519	2.74%
QC value within limits for Ti 334.940 Recovery = 91.79%								
Tl 190.801†	956.7	0.9924	mg/L	0.04704	0.9924	mg/L	0.04704	4.74%
QC value within limits for Tl 190.801 Recovery = 99.24%								
V 290.880†	39969.3	0.9870	mg/L	0.02621	0.9870	mg/L	0.02621	2.66%
QC value within limits for V 290.880 Recovery = 98.70%								
Zn 206.200†	2691.8	1.047	mg/L	0.0476	1.047	mg/L	0.0476	4.54%
QC value within limits for Zn 206.200 Recovery = 104.71%								
P 213.617†	408.8	5.807	mg/L	0.2504	5.807	mg/L	0.2504	4.31%
S 181.975†	0.8	0.0335	mg/L	0.17198	0.0335	mg/L	0.17198	513.31%

Na 589.592†	556826.1	106.3 mg/L	2.67	106.3 mg/L	2.67	2.52%
QC value within limits for Na 589.592 Recovery = 105.24%						
K 766.490†	224256.7	111.9 mg/L	2.75	111.9 mg/L	2.75	2.46%
QC value within limits for K 766.490 Recovery = 101.71%						
Hg 253.652†	197.1	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	0.00%

QC Failed. Continue with analysis.

ENTHALPY INSTRUMENT BLANK FOR 465924 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114117 File : met02_hg_062822 Time : 20-JUL-2022 19:23
Cal : 22290114001 Caldate : 20-JUL-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	480227	1.51

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 161 **Autosampler Location: 8**
Sample ID: CCB **Date Collected: 7/20/2022 7:23:53 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	85745.5	98.12	%	3.608				3.68%
Y Axial	480226.6	101.5	%	1.83				1.80%
Ag 328.068†	65.5	0.0010	mg/L	0.00060	0.0010	mg/L	0.00060	58.92%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-69.0	-0.0085	mg/L	0.00354	-0.0085	mg/L	0.00354	41.61%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-1.9	-0.0052	mg/L	0.00300	-0.0052	mg/L	0.00300	58.06%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	6.7	0.0014	mg/L	0.00156	0.0014	mg/L	0.00156	109.48%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 233.527†	1.3	0.0000	mg/L	0.00011	0.0000	mg/L	0.00011	240.91%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	29.4	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	25.83%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	-35.6	-0.0107	mg/L	0.00404	-0.0107	mg/L	0.00404	37.64%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440†	2.6	0.0003	mg/L	0.00013	0.0003	mg/L	0.00013	48.06%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	-1.4	-0.0002	mg/L	0.00026	-0.0002	mg/L	0.00026	113.32%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-2.9	-0.0001	mg/L	0.00025	-0.0001	mg/L	0.00025	171.82%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-205.8	-0.0036	mg/L	0.00037	-0.0036	mg/L	0.00037	10.31%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 238.204†	-390.9	-0.0233	mg/L	0.00069	-0.0233	mg/L	0.00069	2.97%
QC value within limits for Fe 238.204 Recovery = Not calculated								
Li 670.784†	-512.2	-0.0049	mg/L	0.00108	-0.0049	mg/L	0.00108	21.97%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.077†	-0.8	-0.0034	mg/L	0.00970	-0.0034	mg/L	0.00970	285.30%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-351.2	-0.0013	mg/L	0.00003	-0.0013	mg/L	0.00003	2.09%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	4.1	0.0046	mg/L	0.00049	0.0046	mg/L	0.00049	10.52%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	1.4	0.0007	mg/L	0.00049	0.0007	mg/L	0.00049	72.76%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-0.8	-0.0013	mg/L	0.00144	-0.0013	mg/L	0.00144	109.55%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-0.3	-0.0007	mg/L	0.00261	-0.0007	mg/L	0.00261	397.56%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-0.3	-0.0018	mg/L	0.00871	-0.0018	mg/L	0.00871	475.40%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	171.6	0.0317	mg/L	0.00480	0.0317	mg/L	0.00480	15.12%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-3.1	-0.0095	mg/L	0.00289	-0.0095	mg/L	0.00289	30.36%
Sr 421.552†	-171.7	-0.0002	mg/L	0.00015	-0.0002	mg/L	0.00015	99.47%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	-442.9	-0.0015	mg/L	0.00012	-0.0015	mg/L	0.00012	8.06%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	3.8	0.0039	mg/L	0.00592	0.0039	mg/L	0.00592	151.43%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-60.6	-0.0015	mg/L	0.00059	-0.0015	mg/L	0.00059	39.18%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	-10.3	-0.0040	mg/L	0.00016	-0.0040	mg/L	0.00016	3.93%
QC value within limits for Zn 206.200 Recovery = Not calculated								
P 213.617†	0.2	0.0026	mg/L	0.01567	0.0026	mg/L	0.01567	599.37%
S 181.975†	-2.4	-0.1045	mg/L	0.01213	-0.1045	mg/L	0.01213	11.61%
Na 589.592†	-5511.5	-1.052	mg/L	0.0951	-1.052	mg/L	0.0951	9.04%

QC value less than the lower limit for Na 589.592 Recovery = Not calculated

K 766.490†	1066.0	0.5318 mg/L	0.01018	0.5318 mg/L	0.01018	1.91%

QC value greater than the upper limit for K 766.490 Recovery = Not calculated

Hg 253.652†	-3.5	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	0.00%

QC Failed. Continue with analysis.

ENTHALPY CONTINUING CALIBRATION FOR 465924 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114128 File : met02_hg_062822 Time : 20-JUL-2022 20:07
Cal : 22290114001 Caldate : 20-JUL-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	557.36	566.00	1.000	0.9708	mg/L	-3	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	420344	-11.15

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 172 **Autosampler Location: 7**
Sample ID: CCV, S16870 **Date Collected: 7/20/2022 8:07:21 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: CCV, S16870

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	81035.2	92.73	%	1.672				1.80%
Y Axial	420344.0	88.85	%	2.681				3.02%
Ag 328.068†	34319.3	0.5355	mg/L	0.01506	0.5355	mg/L	0.01506	2.81%
QC value within limits for Ag 328.068 Recovery = 107.10%								
Al 308.215†	9121.5	1.124	mg/L	0.0390	1.124	mg/L	0.0390	3.47%
QC value greater than the upper limit for Al 308.215 Recovery = 112.43%								
As 188.979†	378.2	1.027	mg/L	0.0253	1.027	mg/L	0.0253	2.47%
QC value within limits for As 188.979 Recovery = 102.70%								
B 249.677†	5028.1	1.068	mg/L	0.0319	1.068	mg/L	0.0319	2.99%
QC value within limits for B 249.677 Recovery = 106.81%								
Ba 233.527†	28291.8	0.9933	mg/L	0.02956	0.9933	mg/L	0.02956	2.98%
QC value within limits for Ba 233.527 Recovery = 99.33%								
Be 313.107†	268498.8	1.096	mg/L	0.0255	1.096	mg/L	0.0255	2.32%
QC value within limits for Be 313.107 Recovery = 109.58%								
Ca 315.887†	324786.1	98.13	mg/L	3.164	98.13	mg/L	3.164	3.22%
QC value within limits for Ca 315.887 Recovery = 97.16%								
Cd 214.440†	10000.9	1.047	mg/L	0.0329	1.047	mg/L	0.0329	3.14%
QC value within limits for Cd 214.440 Recovery = 104.72%								
Co 228.616†	5892.4	0.9986	mg/L	0.03688	0.9986	mg/L	0.03688	3.69%
QC value within limits for Co 228.616 Recovery = 99.86%								
Cr 267.716†	19773.8	1.016	mg/L	0.0348	1.016	mg/L	0.0348	3.43%
QC value within limits for Cr 267.716 Recovery = 101.60%								
Cu 324.752†	59733.4	1.052	mg/L	0.0344	1.052	mg/L	0.0344	3.27%
QC value within limits for Cu 324.752 Recovery = 105.21%								
Fe 238.204†	19299.0	1.153	mg/L	0.0272	1.153	mg/L	0.0272	2.36%
QC value greater than the upper limit for Fe 238.204 Recovery = 115.28%								
Li 670.784†	116231.3	1.115	mg/L	0.0337	1.115	mg/L	0.0337	3.02%
QC value greater than the upper limit for Li 670.784 Recovery = 111.52%								
Mg 279.077†	21420.9	94.03	mg/L	0.534	94.03	mg/L	0.534	0.57%
QC value within limits for Mg 279.077 Recovery = 93.10%								
Mn 257.610†	256559.6	0.9769	mg/L	0.02234	0.9769	mg/L	0.02234	2.29%
QC value within limits for Mn 257.610 Recovery = 97.69%								
Mo 202.031†	872.1	0.9783	mg/L	0.04027	0.9783	mg/L	0.04027	4.12%
QC value within limits for Mo 202.031 Recovery = 97.83%								
Ni 231.604†	2291.6	1.060	mg/L	0.0381	1.060	mg/L	0.0381	3.60%
QC value within limits for Ni 231.604 Recovery = 105.96%								
Pb 220.353†	566.0	0.9708	mg/L	0.03307	0.9708	mg/L	0.03307	3.41%
QC value within limits for Pb 220.353 Recovery = 97.08%								
Sb 206.836†	515.4	1.071	mg/L	0.0429	1.071	mg/L	0.0429	4.01%
QC value within limits for Sb 206.836 Recovery = 107.11%								
Se 196.026†	170.4	1.080	mg/L	0.0235	1.080	mg/L	0.0235	2.18%
QC value within limits for Se 196.026 Recovery = 108.02%								
Si 251.611†	32850.4	6.074	mg/L	0.1599	6.074	mg/L	0.1599	2.63%
QC value greater than the upper limit for Si 251.611 Recovery = 121.49%								
Sn 189.927†	1552.1	4.773	mg/L	0.1730	4.773	mg/L	0.1730	3.62%
QC value within limits for Sn 189.927 Recovery = 95.47%								
Sr 421.552†	1819079.1	1.589	mg/L	0.0718	1.589	mg/L	0.0718	4.52%
QC value greater than the upper limit for Sr 421.552 Recovery = 158.90%								
Ti 334.940†	269154.6	0.9167	mg/L	0.02107	0.9167	mg/L	0.02107	2.30%
QC value within limits for Ti 334.940 Recovery = 91.67%								
Tl 190.801†	992.9	1.030	mg/L	0.0393	1.030	mg/L	0.0393	3.82%
QC value within limits for Tl 190.801 Recovery = 102.96%								
V 290.880†	41244.9	1.018	mg/L	0.0311	1.018	mg/L	0.0311	3.06%
QC value within limits for V 290.880 Recovery = 101.85%								
Zn 206.200†	2766.1	1.076	mg/L	0.0386	1.076	mg/L	0.0386	3.59%
QC value within limits for Zn 206.200 Recovery = 107.60%								
P 213.617†	409.7	5.820	mg/L	0.1706	5.820	mg/L	0.1706	2.93%
S 181.975†	-0.7	-0.0301	mg/L	0.08324	-0.0301	mg/L	0.08324	276.35%

Na 589.592†	560858.2	107.1 mg/L	3.25	107.1 mg/L	3.25	3.04%
QC value within limits for Na 589.592 Recovery = 106.01%						
K 766.490†	224122.1	111.8 mg/L	3.26	111.8 mg/L	3.26	2.92%
QC value within limits for K 766.490 Recovery = 101.65%						
Hg 253.652†	203.3	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	0.00%

QC Failed. Continue with analysis.

ENTHALPY INSTRUMENT BLANK FOR 465924 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114129 File : met02_hg_062822 Time : 20-JUL-2022 20:11
Cal : 22290114001 Caldate : 20-JUL-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	485587	2.64

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 173 **Autosampler Location: 8**
Sample ID: CCB **Date Collected: 7/20/2022 8:11:26 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	89218.0	102.1	%	1.49				1.46%
Y Axial	485587.1	102.6	%	4.10				3.99%
Ag 328.068†	60.2	0.0009	mg/L	0.00066	0.0009	mg/L	0.00066	70.63%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-85.5	-0.0105	mg/L	0.00305	-0.0105	mg/L	0.00305	28.90%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-1.2	-0.0032	mg/L	0.00206	-0.0032	mg/L	0.00206	64.01%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-30.6	-0.0065	mg/L	0.00280	-0.0065	mg/L	0.00280	43.03%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 233.527†	2.8	0.0001	mg/L	0.00006	0.0001	mg/L	0.00006	62.34%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	39.3	0.0002	mg/L	0.00007	0.0002	mg/L	0.00007	45.20%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	-7.5	-0.0023	mg/L	0.00407	-0.0023	mg/L	0.00407	179.48%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440†	2.9	0.0003	mg/L	0.00017	0.0003	mg/L	0.00017	54.66%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	-2.5	-0.0004	mg/L	0.00016	-0.0004	mg/L	0.00016	38.32%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	2.9	0.0001	mg/L	0.00023	0.0001	mg/L	0.00023	154.17%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-231.7	-0.0041	mg/L	0.00040	-0.0041	mg/L	0.00040	9.82%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 238.204†	-340.0	-0.0203	mg/L	0.00350	-0.0203	mg/L	0.00350	17.23%
QC value within limits for Fe 238.204 Recovery = Not calculated								
Li 670.784†	-491.8	-0.0047	mg/L	0.00045	-0.0047	mg/L	0.00045	9.54%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.077†	3.8	0.0168	mg/L	0.00404	0.0168	mg/L	0.00404	23.99%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-319.9	-0.0012	mg/L	0.00002	-0.0012	mg/L	0.00002	1.55%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	5.1	0.0057	mg/L	0.00258	0.0057	mg/L	0.00258	44.87%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	0.0	0.0000	mg/L	0.00102	0.0000	mg/L	0.00102	>999.9%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	0.3	0.0006	mg/L	0.00287	0.0006	mg/L	0.00287	500.38%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-0.5	-0.0011	mg/L	0.00086	-0.0011	mg/L	0.00086	75.78%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	0.4	0.0028	mg/L	0.00781	0.0028	mg/L	0.00781	279.86%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	159.8	0.0295	mg/L	0.00170	0.0295	mg/L	0.00170	5.77%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-2.8	-0.0085	mg/L	0.00171	-0.0085	mg/L	0.00171	20.18%
Sr 421.552†	-158.4	-0.0001	mg/L	0.00003	-0.0001	mg/L	0.00003	22.61%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	-405.1	-0.0014	mg/L	0.00007	-0.0014	mg/L	0.00007	5.00%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-1.0	-0.0011	mg/L	0.00031	-0.0011	mg/L	0.00031	29.68%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-82.0	-0.0020	mg/L	0.00045	-0.0020	mg/L	0.00045	22.37%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	-9.9	-0.0039	mg/L	0.00030	-0.0039	mg/L	0.00030	7.72%
QC value within limits for Zn 206.200 Recovery = Not calculated								
P 213.617†	0.5	0.0076	mg/L	0.00832	0.0076	mg/L	0.00832	109.32%
S 181.975†	-0.6	-0.0258	mg/L	0.03145	-0.0258	mg/L	0.03145	121.98%
Na 589.592†	-6985.5	-1.334	mg/L	0.0328	-1.334	mg/L	0.0328	2.46%

QC value less than the lower limit for Na 589.592 Recovery = Not calculated

K 766.490†	779.1	0.3887 mg/L	0.02423	0.3887 mg/L	0.02423	6.23%

QC value greater than the upper limit for K 766.490 Recovery = Not calculated

Hg 253.652†	-15.3	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	0.00%

QC Failed. Continue with analysis.

ENTHALPY CONTINUING CALIBRATION FOR 465924 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114140 File : met02_hg_062822 Time : 20-JUL-2022 20:54
Cal : 22290114001 Caldate : 20-JUL-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	557.36	545.60	1.000	0.9358	mg/L	-6	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	350545	-25.91

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 148 **Autosampler Location: 7**
Sample ID: CCV, S16870 **Date Collected: 7/20/2022 8:54:37 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: CCV, S16870

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	68870.8	78.81	%	1.641				2.08%
Y Axial	350545.0	74.09	%	2.165				2.92%
Ag 328.068†	33944.2	0.5297	mg/L	0.01985	0.5297	mg/L	0.01985	3.75%
QC value within limits for Ag 328.068 Recovery = 105.93%								
Al 308.215†	8850.3	1.091	mg/L	0.0262	1.091	mg/L	0.0262	2.40%
QC value within limits for Al 308.215 Recovery = 109.09%								
As 188.979†	353.4	0.9597	mg/L	0.02020	0.9597	mg/L	0.02020	2.10%
QC value within limits for As 188.979 Recovery = 95.97%								
B 249.677†	4884.7	1.038	mg/L	0.0218	1.038	mg/L	0.0218	2.10%
QC value within limits for B 249.677 Recovery = 103.77%								
Ba 233.527†	27208.1	0.9553	mg/L	0.02365	0.9553	mg/L	0.02365	2.48%
QC value within limits for Ba 233.527 Recovery = 95.53%								
Be 313.107†	263534.8	1.076	mg/L	0.0272	1.076	mg/L	0.0272	2.53%
QC value within limits for Be 313.107 Recovery = 107.56%								
Ca 315.887†	314100.1	94.91	mg/L	0.550	94.91	mg/L	0.550	0.58%
QC value within limits for Ca 315.887 Recovery = 93.97%								
Cd 214.440†	9290.5	0.9728	mg/L	0.03411	0.9728	mg/L	0.03411	3.51%
QC value within limits for Cd 214.440 Recovery = 97.28%								
Co 228.616†	5706.5	0.9671	mg/L	0.02707	0.9671	mg/L	0.02707	2.80%
QC value within limits for Co 228.616 Recovery = 96.71%								
Cr 267.716†	19013.5	0.9769	mg/L	0.02012	0.9769	mg/L	0.02012	2.06%
QC value within limits for Cr 267.716 Recovery = 97.69%								
Cu 324.752†	59306.9	1.045	mg/L	0.0275	1.045	mg/L	0.0275	2.64%
QC value within limits for Cu 324.752 Recovery = 104.46%								
Fe 238.204†	18858.8	1.127	mg/L	0.0818	1.127	mg/L	0.0818	7.26%
QC value greater than the upper limit for Fe 238.204 Recovery = 112.65%								
Li 670.784†	114562.5	1.099	mg/L	0.0034	1.099	mg/L	0.0034	0.31%
QC value within limits for Li 670.784 Recovery = 109.92%								
Mg 279.077†	20535.2	90.14	mg/L	0.557	90.14	mg/L	0.557	0.62%
QC value less than the lower limit for Mg 279.077 Recovery = 89.25%								
Mn 257.610†	256781.7	0.9777	mg/L	0.02486	0.9777	mg/L	0.02486	2.54%
QC value within limits for Mn 257.610 Recovery = 97.77%								
Mo 202.031†	849.6	0.9531	mg/L	0.01443	0.9531	mg/L	0.01443	1.51%
QC value within limits for Mo 202.031 Recovery = 95.31%								
Ni 231.604†	2206.2	1.020	mg/L	0.0179	1.020	mg/L	0.0179	1.75%
QC value within limits for Ni 231.604 Recovery = 102.01%								
Pb 220.353†	545.6	0.9358	mg/L	0.02067	0.9358	mg/L	0.02067	2.21%
QC value within limits for Pb 220.353 Recovery = 93.58%								
Sb 206.836†	503.8	1.047	mg/L	0.0218	1.047	mg/L	0.0218	2.08%
QC value within limits for Sb 206.836 Recovery = 104.71%								
Se 196.026†	161.5	1.024	mg/L	0.0289	1.024	mg/L	0.0289	2.82%
QC value within limits for Se 196.026 Recovery = 102.42%								
Si 251.611†	31553.1	5.834	mg/L	0.1966	5.834	mg/L	0.1966	3.37%
QC value greater than the upper limit for Si 251.611 Recovery = 116.69%								
Sn 189.927†	1469.3	4.519	mg/L	0.0777	4.519	mg/L	0.0777	1.72%
QC value within limits for Sn 189.927 Recovery = 90.38%								
Sr 421.552†	1768260.6	1.545	mg/L	0.0428	1.545	mg/L	0.0428	2.77%
QC value greater than the upper limit for Sr 421.552 Recovery = 154.46%								
Ti 334.940†	267777.4	0.9120	mg/L	0.02233	0.9120	mg/L	0.02233	2.45%
QC value within limits for Ti 334.940 Recovery = 91.20%								
Tl 190.801†	964.0	0.9998	mg/L	0.01367	0.9998	mg/L	0.01367	1.37%
QC value within limits for Tl 190.801 Recovery = 99.98%								
V 290.880†	40069.5	0.9894	mg/L	0.02820	0.9894	mg/L	0.02820	2.85%
QC value within limits for V 290.880 Recovery = 98.94%								
Zn 206.200†	2590.7	1.008	mg/L	0.0172	1.008	mg/L	0.0172	1.70%
QC value within limits for Zn 206.200 Recovery = 100.78%								
P 213.617†	386.3	5.488	mg/L	0.0947	5.488	mg/L	0.0947	1.73%
S 181.975†	-2.9	-0.1291	mg/L	0.00185	-0.1291	mg/L	0.00185	1.44%

Na 589.592†	554827.5	105.9 mg/L	0.39	105.9 mg/L	0.39	0.37%
QC value within limits for Na 589.592 Recovery = 104.87%						
K 766.490†	221473.4	110.5 mg/L	0.34	110.5 mg/L	0.34	0.31%
QC value within limits for K 766.490 Recovery = 100.45%						
Hg 253.652†	243.4	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	0.00%

QC Failed. Continue with analysis.

ENTHALPY INSTRUMENT BLANK FOR 465924 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22290114141 File : met02_hg_062822 Time : 20-JUL-2022 20:58
Cal : 22290114001 Caldate : 20-JUL-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	473104	419309	-11.37

==========

Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

==========

Sequence No.: 149 **Autosampler Location: 8**
Sample ID: CCB **Date Collected: 7/20/2022 8:58:36 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	71273.0	81.56	%	3.151				3.86%
Y Axial	419309.2	88.63	%	2.118				2.39%
Ag 328.068†	65.2	0.0010	mg/L	0.00069	0.0010	mg/L	0.00069	68.46%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-135.3	-0.0167	mg/L	0.00450	-0.0167	mg/L	0.00450	27.01%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-1.6	-0.0043	mg/L	0.00400	-0.0043	mg/L	0.00400	91.95%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-48.1	-0.0102	mg/L	0.00040	-0.0102	mg/L	0.00040	3.88%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 233.527†	2.2	0.0001	mg/L	0.00006	0.0001	mg/L	0.00006	80.62%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	27.9	0.0001	mg/L	0.00016	0.0001	mg/L	0.00016	143.59%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	-34.9	-0.0105	mg/L	0.00289	-0.0105	mg/L	0.00289	27.48%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440†	3.2	0.0003	mg/L	0.00020	0.0003	mg/L	0.00020	59.98%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	-1.9	-0.0003	mg/L	0.00037	-0.0003	mg/L	0.00037	112.96%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-1.0	-0.0001	mg/L	0.00038	-0.0001	mg/L	0.00038	706.77%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-222.9	-0.0039	mg/L	0.00013	-0.0039	mg/L	0.00013	3.39%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 238.204†	-412.7	-0.0247	mg/L	0.00065	-0.0247	mg/L	0.00065	2.64%
QC value within limits for Fe 238.204 Recovery = Not calculated								
Li 670.784†	-410.5	-0.0039	mg/L	0.00085	-0.0039	mg/L	0.00085	21.64%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.077†	0.9	0.0042	mg/L	0.01219	0.0042	mg/L	0.01219	292.85%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-343.0	-0.0013	mg/L	0.00003	-0.0013	mg/L	0.00003	2.46%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	2.6	0.0029	mg/L	0.00219	0.0029	mg/L	0.00219	75.26%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	1.4	0.0006	mg/L	0.00069	0.0006	mg/L	0.00069	109.38%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	0.2	0.0003	mg/L	0.00117	0.0003	mg/L	0.00117	400.27%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-0.1	-0.0003	mg/L	0.00131	-0.0003	mg/L	0.00131	444.60%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	1.1	0.0072	mg/L	0.00263	0.0072	mg/L	0.00263	36.32%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	128.5	0.0238	mg/L	0.00178	0.0238	mg/L	0.00178	7.51%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-3.0	-0.0092	mg/L	0.00542	-0.0092	mg/L	0.00542	58.93%
Sr 421.552†	-274.8	-0.0002	mg/L	0.00007	-0.0002	mg/L	0.00007	28.33%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	-398.8	-0.0014	mg/L	0.00016	-0.0014	mg/L	0.00016	11.44%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	3.0	0.0031	mg/L	0.00231	0.0031	mg/L	0.00231	73.86%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-96.4	-0.0024	mg/L	0.00007	-0.0024	mg/L	0.00007	3.13%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	-10.6	-0.0041	mg/L	0.00021	-0.0041	mg/L	0.00021	5.09%
QC value within limits for Zn 206.200 Recovery = Not calculated								
P 213.617†	0.7	0.0099	mg/L	0.00354	0.0099	mg/L	0.00354	35.78%
S 181.975†	-0.6	-0.0271	mg/L	0.02160	-0.0271	mg/L	0.02160	79.83%
Na 589.592†	-7471.6	-1.426	mg/L	0.0520	-1.426	mg/L	0.0520	3.65%

QC value less than the lower limit for Na 589.592 Recovery = Not calculated

K 766.490†	930.4	0.4642 mg/L	0.02567	0.4642 mg/L	0.02567	5.53%

QC value greater than the upper limit for K 766.490 Recovery = Not calculated

Hg 253.652†	29.1	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	0.00%

QC Failed. Continue with analysis.

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 465944
Report Level: II
Report Date: 01/06/2023

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	465944
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	07/19/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.1GW-INT-1 TO 16-220719-P-CB	465944-001	07/19/22 08:52	Wipe
DOOR-N-0.1GW-INT-1 TO 16-220719-L-CB	465944-002	07/19/22 08:52	Wipe
DOOR-N-0.1GW-DG-2 TO 16-220719-P-LA	465944-003	07/19/22 07:26	Wipe
DOOR-N-0.1GW-DG-2 TO 16-220719-P-DUP-LA	465944-004	07/19/22 07:26	Wipe
DOOR-N-0.1GW-DG-2 TO 16-220719-L-LA	465944-005	07/19/22 07:26	Wipe
DOOR-N-0.2GW-EXT-1 TO 2-220719-P-CB	465944-006	07/19/22 09:10	Wipe
DOOR-N-0.2GW-EXT-1 TO 2-220719-L-CB	465944-007	07/19/22 09:10	Wipe
DOOR-N-0.3GW-DG-2 TO 16-220719-P-LA	465944-008	07/19/22 07:46	Wipe
DOOR-N-0.3GW-DG-2 TO 16-220719-L-LA	465944-009	07/19/22 07:46	Wipe
DOOR-N-0.3GW-INT-1 TO 16-220719-P-CB	465944-010	07/19/22 09:26	Wipe
DOOR-N-0.3GW-INT-1 TO 16-220719-L-CB	465944-011	07/19/22 09:26	Wipe
DOOR-N-0.4GW-EXT-1 TO 2-220719-P-CB	465944-012	07/19/22 09:36	Wipe
DOOR-N-0.4GW-EXT-1 TO 2-220719-L-CB	465944-013	07/19/22 09:36	Wipe

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	465944
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	07/19/22

Sample ID	Lab ID	Collected	Matrix
AFRAME-C1W-MED-L1-INT-2 TO 3-220719-P-FB	465944-014	07/19/22 08:08	Wipe
AFRAME-C1W-MED-L1-INT-2 TO 3-220719-L-FB	465944-015	07/19/22 08:08	Wipe
AFRAME-C1W-LAT-L1-EXT-1 TO 2-220719-P-WF	465944-016	07/19/22 08:25	Wipe
AFRAME-C1W-LAT-L1-EXT-1 TO 2-220719-L-WF	465944-017	07/19/22 08:25	Wipe
AFRAME-C1W-LAT-L1-EXT-1 TO 2-220719-L-DUP-WF	465944-018	07/19/22 08:25	Wipe
220719-P-MEDBLANK	465944-019	07/19/22 07:09	Wipe
220719-L-MEDBLANK	465944-020	07/19/22 07:09	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 465944 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 07/19/22

This data package contains sample and QC results for twenty wipe samples, requested for the above referenced project on 07/20/22. The samples were received cold and intact. Reissued 1/6/23 to revise the preparation method reference.

PCBs (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

465944

JG

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	Tyler Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	DOOR-N-0.1GW-INT-1 TO 16-2207 19 -P- CB	7/19/2022	0852	WP	1		X			**Confirmation Wipe Samples - Level II Report/Stage 2A Validation**
2	DOOR-N-0.1GW-INT-1 TO 16-2207 19 -L- CB	7/19/2022	0852	WP	1			X		Report PCB concentrations on a µg/100cm² basis
3	DOOR-N-0.1GW-DG-2 TO 16-2207 19 -P- LA	7/19/2022	0726	WP	1		X			Report lead concentrations on a µg/ft² basis
4	DOOR-N-0.1GW-DG-2 TO 16-2207 19 -P-DUP- LA	7/19/2022	0726	WP	1		X			Report Aroclor 1268 concentrations in addition to the standard Aroclors
5	DOOR-N-0.1GW-DG-2 TO 16-2207 19 -L- LA	7/19/2022	0726	WP	1			X		
6	DOOR-N-0.2GW-EXT-1 TO 2-2207 19 -P- CB	7/19/2022	0910	WP	1		X			2x Rivet Type 1 = 0.0276 ft² added area
7	DOOR-N-0.2GW-EXT-1 TO 2-2207 19 -L- CB	7/19/2022	0910	WP	1			X		
8	DOOR-N-0.3GW-DG-2 TO 16-2207 19 -P- LA	7/19/2022	0746	WP	1		X			
9	DOOR-N-0.3GW-DG-2 TO 16-2207 19 -L- LA	7/19/2022	0746	WP	1			X		
10	DOOR-N-0.3GW-INT-1 TO 16-2207 19 -P- CB	7/19/2022	0926	WP	1		X			2x Rivet Type 1 = 0.0276 ft² added area
11	DOOR-N-0.3GW-INT-1 TO 16-2207 19 -L- CB	7/19/2022	0926	WP	1			X		
12	~~DOOR-N-0.4GW-EXT-2 TO 3-2207 -P-~~	7/ /2022		WP	1		X			TS
13	~~DOOR-N-0.4GW-EXT-2 TO 3-2207 -P-DUP-~~	7/ /2022		WP	1		X			TS
14	~~DOOR-N-0.4GW-EXT-2 TO 3-2207 -L-~~	7/ /2022		WP	1			X		TS
15	~~DOOR-N-0.4GW-PS-16-2207 -P-~~	7/ /2022		WP	1		X			TS

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TSinnott	Tyler Sinnott	Rincon / Envi. Scientist	7/19/22 1305
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	7/19/22 13:05
2 Relinquished By:	Audrey Hudson	"	"	7/19/22 14:50
2 Received By:		Maccamillian		7/19/22 14:50
3 Relinquished By:		Maccamillian		7/19/22 1558
3 Received By:				7/20/22 08:58

465944

ENTHALPY ANALYTICAL

Chain of Custody Record

CDC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	Tyler Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
16	~~DOOR-N-0.4GW-PS-16-2207 -L-~~	7/ /2022		WP	1			X	
17	DOOR-N-0.4GW-EXT-1 TO 2-2207 19 -P- CB	7/19/2022	0936	WP	1		X		
18	DOOR-N-0.4GW-EXT-1 TO 2-2207 19 -L- CB	7/19/2022	0936	WP	1			X	
19	AFRAME-C1W-MED-L1-INT-2 TO 3-2207 19 -P- FB	7/19/2022	0808	WP	1		X		
20	AFRAME-C1W-MED-L1-INT-2 TO 3-2207 19 -L- FB	7/19/2023	0808	WP	1			X	
21	AFRAME-C1W-LAT-L1-EXT-1 TO 2-2207 19 -P- WF	7/19/2024	0825	WP	1		X		
22	AFRAME-C1W-LAT-L1-EXT-1 TO 2-2207 19 -L- WF	7/19/2025	0825	WP	1			X	
23	AFRAME-C1W-LAT-L1-EXT-1 TO 2-2207 19 -L-DUP- WF	7/19/2022	0825	WP	1			X	
24	2207 19 -P-MEDBLANK	7/19/2022	0709	WP	1		X		
25	2207 19 -L-MEDBLANK	7/19/2022	0709	WP	1			X	
26									
27									
28									
29									
30									

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure C

TS

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TC Sinnott	Tyler Sinnott	Rincon / Env. Scientist	7/19/22 1305
1 Received By:	Audrey Hudson	ENTHALPY	ENTHALPY	7/19/22 13:05
2 Relinquished By:	Audrey Hudson	ENTHALPY	AUDREY HUDSON	7/19/22 14:50
2 Received By:		[illegible]	EA	7/19/22 1450
3 Relinquished By:		[illegible]	EA	7/19/22 15:58
3 Received By:		[illegible]	Ser	7/20/2022 08:58

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 465944 Client: Rincon

Date Received: 9/19/22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? _____ ☐ No (**skip Section 3 below**)

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☑ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 9/19/22 By (print) MY _____ (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☐ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☑ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☐ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 9/19/22 **By (print)** MY **(sign)** _____

Date Labeled 9/19/22 **By (print)** MY **(sign)** _____

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 - NCTRA WP

Date Received: 7/20/2022 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.6 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: Greyhound

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 2.6 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yanita Date: 7/20/2022

S/36

C/2.4

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465944 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.1GW-INT-1 TO 16-220719-P-CB **Batch#:** 293716 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/19/22 **Analysis:** EPA 8082

Lab ID: 465944-001 **Received:** 07/19/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/25/22

Diln Fac: 1.000 **Analyzed:** 07/27/22

465944-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465944-001 Surrogate	%REC	Limits
TCMX (PCB)	65	52-186
Decachlorobiphenyl (PCB)	64	50-150

Field ID: DOOR-N-0.1GW-DG-2 TO 16-220719-P-LA **Batch#:** 293716 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/19/22 **Analysis:** EPA 8082

Lab ID: 465944-003 **Received:** 07/19/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/25/22

Diln Fac: 1.000 **Analyzed:** 07/27/22

465944-003 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465944-003 Surrogate	%REC	Limits
TCMX (PCB)	73	52-186
Decachlorobiphenyl (PCB)	72	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465944 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.1GW-DG-2 TO 16-220719-P-DUP-LA **Batch#:** 293716 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/19/22 **Analysis:** EPA 8082

Lab ID: 465944-004 **Received:** 07/19/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/25/22

Diln Fac: 1.000 **Analyzed:** 07/27/22

465944-004 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465944-004 Surrogate	%REC	Limits
TCMX (PCB)	69	52-186
Decachlorobiphenyl (PCB)	72	50-150

Field ID: DOOR-N-0.2GW-EXT-1 TO 2-220719-P-CB **Batch#:** 293716 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/19/22 **Analysis:** EPA 8082

Lab ID: 465944-006 **Received:** 07/19/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/25/22

Diln Fac: 1.000 **Analyzed:** 07/27/22

465944-006 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465944-006 Surrogate	%REC	Limits
TCMX (PCB)	77	52-186
Decachlorobiphenyl (PCB)	84	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465944 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.3GW-DG-2 TO 16-220719-P-LA **Batch#:** 293716 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/19/22 **Analysis:** EPA 8082

Lab ID: 465944-008 **Received:** 07/19/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/25/22

Diln Fac: 1.000 **Analyzed:** 07/27/22

465944-008 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465944-008 Surrogate	%REC	Limits
TCMX (PCB)	69	52-186
Decachlorobiphenyl (PCB)	71	50-150

Field ID: DOOR-N-0.3GW-INT-1 TO 16-220719-P-CB **Batch#:** 293716 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/19/22 **Analysis:** EPA 8082

Lab ID: 465944-010 **Received:** 07/19/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/25/22

Diln Fac: 1.000 **Analyzed:** 07/27/22

465944-010 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465944-010 Surrogate	%REC	Limits
TCMX (PCB)	69	52-186
Decachlorobiphenyl (PCB)	72	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465944 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.4GW-EXT-1 TO 2-220719-P-CB **Batch#:** 293716 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 07/19/22 **Analysis:** EPA 8082
Lab ID: 465944-012 **Received:** 07/19/22 **Analyst:** TRN
Matrix: Wipe **Prepared:** 07/25/22
DiIn Fac: 1.000 **Analyzed:** 07/27/22

465944-012 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465944-012 Surrogate	%REC	Limits
TCMX (PCB)	68	52-186
Decachlorobiphenyl (PCB)	71	50-150

Field ID: AFRAME-C1W-MED-L1-INT-2 TO 3-220719-P-FB **Batch#:** 293716 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 07/19/22 **Analysis:** EPA 8082
Lab ID: 465944-014 **Received:** 07/19/22 **Analyst:** TRN
Matrix: Wipe **Prepared:** 07/25/22
DiIn Fac: 1.000 **Analyzed:** 07/27/22

465944-014 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465944-014 Surrogate	%REC	Limits
TCMX (PCB)	71	52-186
Decachlorobiphenyl (PCB)	74	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465944 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C1W-LAT-L1-EXT-1 TO 2-220719-P-WF **Batch#:** 293716 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/19/22 **Analysis:** EPA 8082

Lab ID: 465944-016 **Received:** 07/19/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/25/22

Diln Fac: 1.000 **Analyzed:** 07/27/22

465944-016 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465944-016 Surrogate	%REC	Limits
TCMX (PCB)	69	52-186
Decachlorobiphenyl (PCB)	70	50-150

Field ID: 220719-P-MEDBLANK **Batch#:** 293716 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/19/22 **Analysis:** EPA 8082

Lab ID: 465944-019 **Received:** 07/19/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/25/22

Diln Fac: 1.000 **Analyzed:** 07/28/22

465944-019 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465944-019 Surrogate	%REC	Limits
TCMX (PCB)	65	52-186
Decachlorobiphenyl (PCB)	69	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465944 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 293716 **Analysis:** EPA 8082

Lab ID: QC1002660 **Prepared:** 07/25/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/27/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1002660 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1002660 Surrogate	%REC	Limits
TCMX (PCB)	67	52-186
Decachlorobiphenyl (PCB)	65	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 465944 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 293716 **Analysis:** EPA 8082

Lab ID: QC1002661 **Prepared:** 07/25/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/27/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1002661 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.422	88	60-140	ug/100 cm2
Aroclor-1260	5.000	4.397	88	60-140	ug/100 cm2

QC1002661 Surrogate	%REC	Limits
TCMX (PCB)	79	52-186
Decachlorobiphenyl (PCB)	75	60-140

Type: BSD **Batch#:** 293716 **Analysis:** EPA 8082

Lab ID: QC1002662 **Prepared:** 07/25/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/27/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1002662 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	3.737	75	60-140	ug/100 cm2	17	20
Aroclor-1260	5.000	3.792	76	60-140	ug/100 cm2	15	20

QC1002662 Surrogate	%REC	Limits
TCMX (PCB)	70	52-186
Decachlorobiphenyl (PCB)	65	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 465944 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.1GW-INT-1 TO 16-220719-L-CB **Batch#:** 293416 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/19/22 **Analysis:** EPA 6010B
Lab ID: 465944-002 **Received:** 07/19/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/21/22
Diln Fac: 1.000 **Analyzed:** 07/21/22

465944-002 Analyte	Result	RL	Units
Lead	**230**	1.0	ug/ft2

Field ID: DOOR-N-0.1GW-DG-2 TO 16-220719-L-LA **Batch#:** 293416 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/19/22 **Analysis:** EPA 6010B
Lab ID: 465944-005 **Received:** 07/19/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/21/22
Diln Fac: 1.000 **Analyzed:** 07/21/22

465944-005 Analyte	Result	RL	Units
Lead	**94**	0.97	ug/ft2

Field ID: DOOR-N-0.2GW-EXT-1 TO 2-220719-L-CB **Batch#:** 293416 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/19/22 **Analysis:** EPA 6010B
Lab ID: 465944-007 **Received:** 07/19/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/21/22
Diln Fac: 1.000 **Analyzed:** 07/21/22

465944-007 Analyte	Result	RL	Units
Lead	**330**	1.0	ug/ft2

Field ID: DOOR-N-0.3GW-DG-2 TO 16-220719-L-LA **Batch#:** 293416 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/19/22 **Analysis:** EPA 6010B
Lab ID: 465944-009 **Received:** 07/19/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/21/22
Diln Fac: 1.000 **Analyzed:** 07/21/22

465944-009 Analyte	Result	RL	Units
Lead	**170**	0.97	ug/ft2

Field ID: DOOR-N-0.3GW-INT-1 TO 16-220719-L-CB **Batch#:** 293416 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/19/22 **Analysis:** EPA 6010B
Lab ID: 465944-011 **Received:** 07/19/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/21/22
Diln Fac: 1.000 **Analyzed:** 07/21/22

465944-011 Analyte	Result	RL	Units
Lead	**160**	1.0	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 465944 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.4GW-EXT-1 TO 2-220719-L-CB **Batch#:** 293416 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/19/22 **Analysis:** EPA 6010B
Lab ID: 465944-013 **Received:** 07/19/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/21/22
Diln Fac: 1.000 **Analyzed:** 07/21/22

465944-013 Analyte	Result	RL	Units
Lead	**110**	1.0	ug/ft2

Field ID: AFRAME-C1W-MED-L1-INT-2 TO 3-220719-L-FB **Batch#:** 293416 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/19/22 **Analysis:** EPA 6010B
Lab ID: 465944-015 **Received:** 07/19/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/21/22
Diln Fac: 1.000 **Analyzed:** 07/21/22

465944-015 Analyte	Result	RL	Units
Lead	**54**	1.0	ug/ft2

Field ID: AFRAME-C1W-LAT-L1-EXT-1 TO 2-220719-L-WF **Batch#:** 293416 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/19/22 **Analysis:** EPA 6010B
Lab ID: 465944-017 **Received:** 07/19/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/21/22
Diln Fac: 1.000 **Analyzed:** 07/21/22

465944-017 Analyte	Result	RL	Units
Lead	**240**	1.0	ug/ft2

Field ID: AFRAME-C1W-LAT-L1-EXT-1 TO 2-220719-L-DUP-WF **Batch#:** 293416 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/19/22 **Analysis:** EPA 6010B
Lab ID: 465944-018 **Received:** 07/19/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/21/22
Diln Fac: 1.000 **Analyzed:** 07/21/22

465944-018 Analyte	Result	RL	Units
Lead	**220**	1.0	ug/ft2

Field ID: 220719-L-MEDBLANK **Batch#:** 293416 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/19/22 **Analysis:** EPA 6010B
Lab ID: 465944-020 **Received:** 07/19/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/21/22
Diln Fac: 1.000 **Analyzed:** 07/21/22

465944-020 Analyte	Result	RL	Units
Lead	**1.6**	1.0	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 465944 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type:	BLANK	**Batch#:**	293416	**Analysis:**	EPA 6010B
Lab ID:	QC1001827	**Prepared:**	07/21/22	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	07/21/22		
DiIn Fac:	1.000	**Prep:**	EPA 3050B		

QC1001827 Analyte	Result	RL	Units
Lead	ND	1.0	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 465944 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 293416 **Analysis:** EPA 6010B

Lab ID: QC1001829 **Prepared:** 07/21/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 07/21/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1001829 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	94.26	94	80-120	ug/ft2

Type: BSD **Batch#:** 293416 **Analysis:** EPA 6010B

Lab ID: QC1001830 **Prepared:** 07/21/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 07/21/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1001830 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	92.56	93	80-120	ug/ft2	2	20

Legend

RPD: Relative Percent Difference

Attachment 4

ProUCL Input and Output Files

Attachment 4
Hangar 1 Data Summary Submittal for the High Occupancy Area of Zone 1
ProUCL Lead Input File

Sample ID	LeadResults	d_LeadResults
DOOR-N-0.1GW-INT-17 TO 18-220716-CB	100	1
DOOR-N-0.4GW-DG-4 TO 17-220716-LA	200	1
AFRAME-C1W-LAT-L3-EXT-1 TO 2-220716-WF	160	1
DOOR-N-0.1GW-DG-3 TO 16-220718-LA	59	1
DOOR-N-0.2GW-EXT-3 TO 4-220718-CB	140	1
DOOR-N-0.2GW-DG-3 TO 17-220718-LA	43	1
DOOR-N-0.2GW-PS-16-220718-LA	130	1
DOOR-N-0.2GW-PS-17-220718-G	23	1
DOOR-N-0.3GW-PS-17-220718-LA	120	1
DOOR-N-0.3GW-INT-16 TO 17-220718-DUP-CB	51	1
DOOR-N-0.4GW-PS-17-220718-G	24	1
AFRAME-C1W-LAT-L2-INT-0.5 TO 1-220718-FB	470	1
AFRAME-C1W-MED-L2-EXT-0 TO 1-220718-DUP-WF	61	1
DOOR-N-0.4GW-PS-16-220718-LA	130	1
DOOR-N-0.4GW-EXT-2 TO 3-220718-CB	54	1
DOOR-N-0.1GW-INT-1 TO 16-220719-CB	230	1
DOOR-N-0.1GW-DG-2 TO 16-220719-LA	94	1
DOOR-N-0.2GW-EXT-1 TO 2-220719-CB	330	1
DOOR-N-0.3GW-DG-2 TO 16-220719-LA	170	1
DOOR-N-0.3GW-INT-1 TO 16-220719-CB	160	1
DOOR-N-0.4GW-EXT-1 TO 2-220719-CB	110	1
AFRAME-C1W-MED-L1-INT-2 TO 3-220719-FB	54	1
AFRAME-C1W-LAT-L1-EXT-1 TO 2-220719-WF	240	1
DOOR-N-0.6GW-INT-17 TO 18-220808-CB	150	1
DOOR-N-0.8GW-PS-17-220808-LA	110	1
DOOR-N-0.6GE-EXT 3 TO 4-220808-CB	160	1
DOOR-N-0.8GE-DG-3 TO 17-220808-G	110	1
DOOR-N-0.9GE-DG-4 TO 17-220808-LA	290	1
DOOR-N-0.6GW-DG-3 TO 17-220808-G	77	1
DOOR-N-0.8GW-DG-3 TO 17-220808-G	31	1
DOOR-N-0.9GW-DG-4 TO 17-220808-LA	210	1
DOOR-N-0.6GE-DG-3 TO 17-220808-G	120	1
DOOR-N-0.7GE-INT-16 TO 17-220808-CB	200	1
DOOR-N-0.8GE-PS-17-220808-LA	190	1
DOOR-N-0.5GW-INT-1 TO 16-220909-CB	150	1
DOOR-N-0.7GW-PS-16-220809-LA	160	1
DOOR-N-0.7GW-EXT-2 TO 3-220809-DUP-CB	66	1
DOOR-N-0.9GW-INT-1 TO 16-220809-CB	210	1
DOOR-N-0.7GE-PS-16-220809-LA	250	1
DOOR-N-0.9GE-INT-1 TO 16-220809-CB	330	1
AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-DUP-WF	58	1
DOOR-N-0.1GE-DG-4 TO 17-220823-LA	48	1

Attachment 4
Hangar 1 Data Summary Submittal for the High Occupancy Area of Zone 1
ProUCL Lead Input File

DOOR-N-0.3GE-EXT-3 TO 4-220823-CB	52	1
DOOR-N-0.4GE-INT-17 TO 18-220823-CB	11	0
DOOR-N-0.5GE-DG-4 TO 17-220823-LA	53	1
DOOR-N-0.1GE-PS-17-220823-G	19	1
DOOR-N-0.2GE-DG-3 TO 16-220823-LA	100	1
DOOR-N-0.2GE-INT-1 TO 16-220823-CB	45	1
DOOR-N-0.3GE-INT-16 TO 17-220823-CB	26	1
DOOR-N-0.3GE-DG-2 TO 16-220823-LA	200	1
DOOR-N-0.4GE-DG-3 TO 17-220823-LA	29	1
DOOR-N-0.4GE-EXT-2 TO 3-220823-CB	44	1
DOOR-N-0.5GE-PS-17-220823-G	20	1
DOOR-N-0.5GE-INT-16 TO 17-220823-DUP-CB	23	1
AFRAME-C1E-MED-L1-HS-3-220823-A	71	1
AFRAME-C1E-LAT-L1-EXT-0 TO 1-220823-WF	250	1
DOOR-N-0.4GE-DG-3 TO 16-220823-LA	61	1
DOOR-N-0.3GE-PS-17-220823-G	55	1
DOOR-N-0.1GE-DG-2 TO 16-220823-LA	82	1
DOOR-N-0.2GE-EXT-3 TO 4-220823-DUP-CB	120	1
DOOR-N-0.1GE-EXT-2 TO 3-220823	110	1

Attachment 4
Hangar 1 Data Summary Submittal for the High Occupancy Area of Zone 1
ProUCL Lead Output File

UCL Statistics for Data Sets with Non-Detects

User Selected Options

Date/Time of Computation	ProUCL 5.2 11/11/2022 9:30:03 AM
From File	WorkSheet.xls
Full Precision	OFF
Confidence Coefficient	95%
umber of Bootstrap Operations	2000

Lead Results

General Statistics			
Total Number of Observations	61	Number of Distinct Observations	42
Number of Detects	60	Number of Non-Detects	1
Number of Distinct Detects	41	Number of Distinct Non-Detects	1
Minimum Detect	19	Minimum Non-Detect	11
Maximum Detect	470	Maximum Non-Detect	11
Variance Detects	8444	Percent Non-Detects	1.639%
Mean Detects	123.9	SD Detects	91.89
Median Detects	110	CV Detects	0.742
Skewness Detects	1.354	Kurtosis Detects	2.36
Mean of Logged Detects	4.539	SD of Logged Detects	0.791

Normal GOF Test on Detects Only		
Shapiro Wilk Test Statistic	0.885	**Normal GOF Test on Detected Observations Only**
1% Shapiro Wilk P Value	5.4949E-6	Detected Data Not Normal at 1% Significance Level
Lilliefors Test Statistic	0.127	**Lilliefors GOF Test**
1% Lilliefors Critical Value	0.132	Detected Data appear Normal at 1% Significance Level
Detected Data appear Approximate Normal at 1% Significance Level		

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
KM Mean	122	KM Standard Error of Mean	11.81
90KM SD	91.5	95% KM (BCA) UCL	144.1
95% KM (t) UCL	141.8	95% KM (Percentile Bootstrap) UCL	143.3
95% KM (z) UCL	141.5	95% KM Bootstrap t UCL	144.3
90% KM Chebyshev UCL	157.5	95% KM Chebyshev UCL	173.5
97.5% KM Chebyshev UCL	195.8	99% KM Chebyshev UCL	239.6

Gamma GOF Tests on Detected Observations Only		
A-D Test Statistic	0.401	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.764	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.102	**Kolmogorov-Smirnov GOF**
5% K-S Critical Value	0.116	Detected data appear Gamma Distributed at 5% Significance Level
Detected data appear Gamma Distributed at 5% Significance Level		

Attachment 4
Hangar 1 Data Summary Submittal for the High Occupancy Area of Zone 1
ProUCL Lead Output File

Gamma Statistics on Detected Data Only			
k hat (MLE)	1.934	k star (bias corrected MLE)	1.848
Theta hat (MLE)	64.05	Theta star (bias corrected MLE)	67.02
nu hat (MLE)	232.1	nu star (bias corrected)	221.8
Mean (detects)	123.9		

Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)			
For such situations, GROS method may yield incorrect values of UCLs and BTVs			
This is especially true when the sample size is small.			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	121.9
Maximum	470	Median	110
SD	92.49	CV	0.759
k hat (MLE)	1.351	k star (bias corrected MLE)	1.296
Theta hat (MLE)	90.18	Theta star (bias corrected MLE)	94.05
nu hat (MLE)	164.8	nu star (bias corrected)	158.1
Adjusted Level of Significance (β)	0.0461		
Approximate Chi Square Value (158.07, α)	130	Adjusted Chi Square Value (158.07, β)	129.4
95% Gamma Approximate UCL	148.2	95% Gamma Adjusted UCL	148.9

Estimates of Gamma Parameters using KM Estimates			
Mean (KM)	122	SD (KM)	91.5
Variance (KM)	8373	SE of Mean (KM)	11.81
k hat (KM)	1.779	k star (KM)	1.702
nu hat (KM)	217	nu star (KM)	207.7
theta hat (KM)	68.61	theta star (KM)	71.7
80% gamma percentile (KM)	186.2	90% gamma percentile (KM)	246.6
95% gamma percentile (KM)	304.9	99% gamma percentile (KM)	435.3

Gamma Kaplan-Meier (KM) Statistics			
Approximate Chi Square Value (207.65, α)	175.3	Adjusted Chi Square Value (207.65, β)	174.6
95% KM Approximate Gamma UCL	144.5	95% KM Adjusted Gamma UCL	145.1

Lognormal GOF Test on Detected Observations Only		
Shapiro Wilk Approximate Test Statistic	0.961	**Shapiro Wilk GOF Test**
10% Shapiro Wilk P Value	0.115	Detected Data appear Lognormal at 10% Significance Level
Lilliefors Test Statistic	0.0975	**Lilliefors GOF Test**
10% Lilliefors Critical Value	0.104	Detected Data appear Lognormal at 10% Significance Level
Detected Data appear Lognormal at 10% Significance Level		

Attachment 4
Hangar 1 Data Summary Submittal for the High Occupancy Area of Zone 1
ProUCL Lead Output File

Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	122	Mean in Log Scale	4.505
SD in Original Scale	92.25	SD in Log Scale	0.829
95% t UCL (assumes normality of ROS data)	141.8	95% Percentile Bootstrap UCL	141.5
95% BCA Bootstrap UCL	143.7	95% Bootstrap t UCL	144.1
95% H-UCL (Log ROS)	159.9		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean (logged)	4.504	KM Geo Mean	90.38
KM SD (logged)	0.824	95% Critical H Value (KM-Log)	2.109
KM Standard Error of Mean (logged)	0.106	95% H-UCL (KM -Log)	158.9
KM SD (logged)	0.824	95% Critical H Value (KM-Log)	2.109
KM Standard Error of Mean (logged)	0.106		

DL/2 Statistics			
DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	121.9	Mean in Log Scale	4.493
SD in Original Scale	92.38	SD in Log Scale	0.865
95% t UCL (Assumes normality)	141.7	95% H-Stat UCL	165
DL/2 is not a recommended method, provided for comparisons and historical reasons			

Nonparametric Distribution Free UCL Statistics
Detected Data appear Approximate Normal Distributed at 1% Significance Level

Suggested UCL to Use
95% KM (t) UCL 141.8

When a data set follows an approximate distribution passing only one of the GOF tests,
it is suggested to use a UCL based upon a distribution passing both GOF tests in ProUCL

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness using results from simulation studies.
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Attachment 4
Hangar 1 Data Summary Submittal for the High Occupancy Area of Zone 1
ProUCL PCB Output File

UCL Statistics for Data Sets with Non-Detects

User Selected Options

Date/Time of Computation	ProUCL 5.2 11/14/2022 9:42:24 AM
From File	WorkSheet_a.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Aroclor 1016

General Statistics			
Total Number of Observations	61	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	61
Number of Distinct Detects	0	Number of Distinct Non-Detects	1

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Aroclor1016 was not processed!

Aroclor 1221

General Statistics			
Total Number of Observations	61	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	61
Number of Distinct Detects	0	Number of Distinct Non-Detects	1

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Aroclor1221 was not processed!

Aroclor 1232

General Statistics			
Total Number of Observations	61	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	61
Number of Distinct Detects	0	Number of Distinct Non-Detects	1

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Aroclor1232 was not processed!

Aroclor 1242

General Statistics			
Total Number of Observations	61	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	61
Number of Distinct Detects	0	Number of Distinct Non-Detects	1

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Aroclor1242 was not processed!

Aroclor 1248

General Statistics			
Total Number of Observations	61	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	61
Number of Distinct Detects	0	Number of Distinct Non-Detects	1

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Aroclor1248 was not processed!

Attachment 4
Hangar 1 Data Summary Submittal for the High Occupancy Area of Zone 1
ProUCL PCB Output File

Aroclor 1254

General Statistics			
Total Number of Observations	61	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	61
Number of Distinct Detects	0	Number of Distinct Non-Detects	1

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Aroclor1254 was not processed!

Aroclor 1260

General Statistics			
Total Number of Observations	61	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	61
Number of Distinct Detects	0	Number of Distinct Non-Detects	1

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Aroclor1260 was not processed!

Aroclor1262

General Statistics			
Total Number of Observations	61	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	61
Number of Distinct Detects	0	Number of Distinct Non-Detects	1

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Aroclor1262 was not processed!

Attachment 4
Hangar 1 Data Summary Submittal for the High Occupancy Area of Zone 1
ProUCL PCB Output File

Aroclor 1268

General Statistics			
Total Number of Observations	61	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	61
Number of Distinct Detects	0	Number of Distinct Non-Detects	1

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Aroclor1268 was not processed!

Attachment 5

Data Validation Reports

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA - 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

February 28, 2023

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fraction listed below. These SDGs were received on August 2, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #54592 RV5:

SDG #	Fraction
465921, 465924, 465944, 466145, 466154	Polychlorinated Biphenyls, Lead

The data validation was performed under Stage 2A guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
Project Manager/Senior Chemist
pgeng@lab-data.com

143 pages-ADV EDD

Attachment 1

Stage 2A/3 (client select) **LDC# 54592 (Rincon Consultants, Inc., Los Angeles, CA / NTCRA Mockup Investigation)** **Project# 20-10491**

LDC	SDG#	DATE REC'D	(3) DATE DUE	PCBs (8082)		Pb (6010B)																															
Matrix: Water/Soil/Wipe				W	WP	W	WP	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	465921	08/02/22	08/23/22	0	13	0	13																														
B	465924	08/02/22	08/23/22	0	2	0	2																														
C	465944	08/02/22	08/23/22	0	10	0	10																														
D	466145	08/02/22	08/23/22	0	14	0	14																														
E	466154	08/02/22	08/23/22	0	9	0	9																														
Total	T/PG			0	48	0	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96

Shaded cells indicate Stage 3 validation (all other cells are Stage 2A validation). Sample counts do not include MS, MSD, and DUP's. V:\LOGIN\Rincon\Moffett Field, Hanger 1 NTCRA\54592ST-Wipe.wpd

LDC Report# 54592_RV4

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Groups

465921
465924
465944
466145
466154

November 8, 2022

Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the July 2022 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by EPA SW 846 Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results. Selected samples were subjected to Stage 3 data validation as indicated on the Sample Summary Report. Stage 3 data validation is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

NJ Presumptive evidence of presence of the compound at an estimated quantity.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082
The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for all analytes.

Initial calibration data were not reviewed for Stage 2A validation.

6010B
An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Initial calibration data were not reviewed for Stage 2A validation.

Continuing Calibration

8082
Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Continuing calibration data were not reviewed for Stage 2A validation.

6010B
Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

Continuing calibration data were not reviewed for Stage 2A validation.

ICP Interference Check Sample Analysis

6010B
The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

Interference check sample (ICS) analysis data were not reviewed for Stage 2A validation.

Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

Field Blanks

8082
Three media blanks were collected and analyzed. No contaminants were found.

6010B
Three media blanks were collected and analyzed. Two media blanks had detections for lead. The associated sample results were not detected or were significantly greater than the concentrations found in the media blank, therefore no data were qualified. The details are presented in Enclosure I.

Surrogate Spikes

8082
Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Internal Standards

8082
All internal standard areas and retention times were within QC limits.

Internal standard data were not reviewed for Stage 2A validation.

Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for these methods, and therefore matrix spike and matrix spike duplicate analyses were not performed.

Duplicate Sample Analysis

6010B
The laboratory has indicated that there were no laboratory duplicate (DUP) analyses specified for this method, and therefore laboratory duplicate analyses were not performed.

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

Field Duplicates

8082
Five field duplicate pairs were collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

6010B
Five field duplicate pairs were collected and analyzed. All RPDs were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. While the reporting limits were not achieved in accordance with the UFP-QAPP, the achieved reporting limits are acceptable with respect to the Cleanup Goals.

Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in these SDGs.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 465921						
Method: 6010B						
220718-L-MEDBLANK	465921-021	WIPE	FB	3050B	7/18/2022	S2AVE
AFRAME-C1W-LAT-L2-INT-0.5 TO 1-220718-L-FB	465921-016	WIPE	N	3050B	7/18/2022	S2AVE
AFRAME-C1W-MED-L2-EXT-0 TO 1-220718-L-DUP-WF	465921-019	WIPE	FD	3050B	7/18/2022	S2AVE
AFRAME-C1W-MED-L2-EXT-0 TO 1-220718-L-WF	465921-018	WIPE	N	3050B	7/18/2022	S2AVE
DOOR-N-0.2GW-DG-3 TO 17-220718-L-LA	465921-003	WIPE	N	3050B	7/18/2022	S2AVE
DOOR-N-0.2GW-PS-16-220718-L-LA	465921-005	WIPE	N	3050B	7/18/2022	S2AVE
DOOR-N-0.2GW-PS-17-220718-L-G	465921-007	WIPE	N	3050B	7/18/2022	S2AVE
DOOR-N-0.3GW-INT-16 TO 17-220718-L-CB	465921-011	WIPE	N	3050B	7/18/2022	S2AVE
DOOR-N-0.3GW-INT-16 TO 17-220718-L-DUP-CB	465921-012	WIPE	FD	3050B	7/18/2022	S2AVE
DOOR-N-0.3GW-PS-17-220718-L-LA	465921-009	WIPE	N	3050B	7/18/2022	S2AVE
DOOR-N-0.4GW-EXT-2 TO 3-220718-L-CB	465921-026	WIPE	N	3050B	7/18/2022	S2AVE
DOOR-N-0.4GW-PS-16-220718-L-LA	465921-023	WIPE	N	3050B	7/18/2022	S2AVE
DOOR-N-0.4GW-PS-17-220718-L-G	465921-014	WIPE	N	3050B	7/18/2022	S2AVE
Method: 8082						
220718-P-MEDBLANK	465921-020	WIPE	FB	3572M	7/18/2022	S2AVE
AFRAME-C1W-LAT-L2-INT-0.5 TO 1-220718-P-FB	465921-015	WIPE	N	3572M	7/18/2022	S2AVE
AFRAME-C1W-MED-L2-EXT-0 TO 1-220718-P-WF	465921-017	WIPE	N	3572M	7/18/2022	S2AVE
DOOR-N-0.2GW-DG-3 TO 17-220718-P-DUP-LA	465921-002	WIPE	FD	3572M	7/18/2022	S2AVE
DOOR-N-0.2GW-DG-3 TO 17-220718-P-LA	465921-001	WIPE	N	3572M	7/18/2022	S2AVE
DOOR-N-0.2GW-PS-16-220718-P-LA	465921-004	WIPE	N	3572M	7/18/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 8082						
DOOR-N-0.2GW-PS-17-220718-P-G	465921-006	WIPE	N	3572M	7/18/2022	S2AVE
DOOR-N-0.3GW-INT-16 TO 17-220718-P-CB	465921-010	WIPE	N	3572M	7/18/2022	S2AVE
DOOR-N-0.3GW-PS-17-220718-P-LA	465921-008	WIPE	N	3572M	7/18/2022	S2AVE
DOOR-N-0.4GW-EXT-2 TO 3-220718-P-CB	465921-024	WIPE	N	3572M	7/18/2022	S2AVE
DOOR-N-0.4GW-EXT-2 TO 3-220718-P-DUP-CB	465921-025	WIPE	FD	3572M	7/18/2022	S2AVE
DOOR-N-0.4GW-PS-16-220718-P-LA	465921-022	WIPE	N	3572M	7/18/2022	S2AVE
DOOR-N-0.4GW-PS-17-220718-P-G	465921-013	WIPE	N	3572M	7/18/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 465924						
Method: 6010B						
DOOR-N-0.1GW-DG-3 TO 16-220718-L-LA	465924-002	WIPE	N	3050B	7/18/2022	S3VEM
DOOR-N-0.2GW-EXT-3 TO 4-220718-L-CB	465924-004	WIPE	N	3050B	7/18/2022	S3VEM
Method: 8082						
DOOR-N-0.1GW-DG-3 TO 16-220718-P-LA	465924-001	WIPE	N	3572M	7/18/2022	S3VEM
DOOR-N-0.2GW-EXT-3 TO 4-220718-P-CB	465924-003	WIPE	N	3572M	7/18/2022	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 465944						
Method: 6010B						
220719-L-MEDBLANK	465944-020	WIPE	FB	3050B	7/19/2022	S2AVE
AFRAME-C1W-LAT-L1-EXT-1 TO 2-220719-L-DUP-WF	465944-018	WIPE	FD	3050B	7/19/2022	S2AVE
AFRAME-C1W-LAT-L1-EXT-1 TO 2-220719-L-WF	465944-017	WIPE	N	3050B	7/19/2022	S2AVE
AFRAME-C1W-MED-L1-INT-2 TO 3-220719-L-FB	465944-015	WIPE	N	3050B	7/19/2022	S2AVE
DOOR-N-0.1GW-DG-2 TO 16-220719-L-LA	465944-005	WIPE	N	3050B	7/19/2022	S2AVE
DOOR-N-0.1GW-INT-1 TO 16-220719-L-CB	465944-002	WIPE	N	3050B	7/19/2022	S2AVE
DOOR-N-0.2GW-EXT-1 TO 2-220719-L-CB	465944-007	WIPE	N	3050B	7/19/2022	S2AVE
DOOR-N-0.3GW-DG-2 TO 16-220719-L-LA	465944-009	WIPE	N	3050B	7/19/2022	S2AVE
DOOR-N-0.3GW-INT-1 TO 16-220719-L-CB	465944-011	WIPE	N	3050B	7/19/2022	S2AVE
DOOR-N-0.4GW-EXT-1 TO 2-220719-L-CB	465944-013	WIPE	N	3050B	7/19/2022	S2AVE
Method: 8082						
220719-P-MEDBLANK	465944-019	WIPE	FB	3572M	7/19/2022	S2AVE
AFRAME-C1W-LAT-L1-EXT-1 TO 2-220719-P-WF	465944-016	WIPE	N	3572M	7/19/2022	S2AVE
AFRAME-C1W-MED-L1-INT-2 TO 3-220719-P-FB	465944-014	WIPE	N	3572M	7/19/2022	S2AVE
DOOR-N-0.1GW-DG-2 TO 16-220719-P-DUP-LA	465944-004	WIPE	FD	3572M	7/19/2022	S2AVE
DOOR-N-0.1GW-DG-2 TO 16-220719-P-LA	465944-003	WIPE	N	3572M	7/19/2022	S2AVE
DOOR-N-0.1GW-INT-1 TO 16-220719-P-CB	465944-001	WIPE	N	3572M	7/19/2022	S2AVE
DOOR-N-0.2GW-EXT-1 TO 2-220719-P-CB	465944-006	WIPE	N	3572M	7/19/2022	S2AVE
DOOR-N-0.3GW-DG-2 TO 16-220719-P-LA	465944-008	WIPE	N	3572M	7/19/2022	S2AVE
DOOR-N-0.3GW-INT-1 TO 16-220719-P-CB	465944-010	WIPE	N	3572M	7/19/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 8082						
DOOR-N-0.4GW-EXT-1 TO 2-220719-P-CB	465944-012	WIPE	N	3572M	7/19/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 466145						
Method: 6010B						
220721-L-MEDBLANK	466145-026	WIPE	FB	3050B	7/21/2022	S2AVE
ARCH-C1E-EXT-3 TO 4-220721-L-WF	466145-024	WIPE	N	3050B	7/21/2022	S2AVE
ARCH-C1W-EXT-2 TO 3-220721-L-DUP-WF	466145-003	WIPE	FD	3050B	7/21/2022	S2AVE
ARCH-C1W-EXT-2 TO 3-220721-L-WF	466145-002	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.1GE-PS-23-220721-L-LA	466145-022	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.1GW-DG-10 TO 23-220721-L-LA	466145-005	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.4GE-DG-10 TO 24-220721-L-LA	466145-020	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.4GW-DG-10 TO 24-220721-L-G	466145-007	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.5GE-EXT-9 TO 10-220721-L-CB	466145-017	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.5GW-EXT-9 TO 10-220721-L-CB	466145-009	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.7GE-PS-23-220721-L-LA	466145-028	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.8GE-DG-10 TO 24-220721-L-G	466145-015	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.8GW-DG-10 TO 24-220721-L-G	466145-011	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.9GE-INT-23 TO 24-220721-L-CB	466145-013	WIPE	N	3050B	7/21/2022	S2AVE
Method: 8082						
220721-P-MEDBLANK	466145-025	WIPE	FB	3572M	7/21/2022	S2AVE
ARCH-C1E-EXT-3 TO 4-220721-P-WF	466145-023	WIPE	N	3572M	7/21/2022	S2AVE
ARCH-C1W-EXT-2 TO 3-220721-P-WF	466145-001	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.1GE-PS-23-220721-P-LA	466145-021	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.1GW-DG-10 TO 23-220721-P-LA	466145-004	WIPE	N	3572M	7/21/2022	S2AVE

Crossed out Sample IDs not collected in the High Occupancy Area of Zone 1

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 8082						
DOOR-N-0.4GE-DG-10 TO 24-220721-P-DUP-LA	466145-019	WIPE	FD	3572M	7/21/2022	S2AVE
DOOR-N-0.4GE-DG-10 TO 24-220721-P-LA	466145-018	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.4GW-DG-10 TO 24-220721-P-G	466145-006	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.5GE-EXT-9 TO 10-220721-P-CB	466145-016	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.5GW-EXT-9 TO 10-220721-P-CB	466145-008	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.7GE-PS-23-220721-P-LA	466145-027	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.8GE-DG-10 TO 24-220721-P-G	466145-014	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.8GW-DG-10 TO 24-220721-P-G	466145-010	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.9GE-INT-23 TO 24-220721-P-CB	466145-012	WIPE	N	3572M	7/21/2022	S2AVE

Crossed out Sample IDs not collected in the High Occupancy Area of Zone 1

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 466154						
Method: 6010B						
ARCH-C1E-INT-2.5 TO 3.5-220721-L-WF	466154-016	WIPE	N	3050B	7/21/2022	S2AVE
ARCH-C1W-INT-2.5 TO 3.5-220721-L-WF	466154-002	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.2GE-EXT-9 TO 10-220721-L-CB	466154-018	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.2GW-INT-23 TO 24-220721-L-CB	466154-004	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.3GE-PS-23-220721-L-G	466154-014	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.3GW-PS-23-220721-L-G	466154-006	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.6GW-DG-9 TO 23-220721-L-G	466154-009	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.9GW-EXT-9 TO 10-220721-L-CB	466154-011	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.9GW-EXT-9 TO 10-220721-L-DUP-CB	466154-012	WIPE	FD	3050B	7/21/2022	S2AVE
Method: 8082						
ARCH-C1E-INT-2.5 TO 3.5-220721-P-WF	466154-015	WIPE	N	3572M	7/21/2022	S2AVE
ARCH-C1W-INT-2.5 TO 3.5-220721-P-WF	466154-001	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.2GE-EXT-9 TO 10-220721-P-CB	466154-017	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.2GW-INT-23 TO 24-220721-P-CB	466154-003	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.3GE-PS-23-220721-P-G	466154-013	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.3GW-PS-23-220721-P-G	466154-005	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.6GW-DG-9 TO 23-220721-P-DUP-G	466154-008	WIPE	FD	3572M	7/21/2022	S2AVE
DOOR-N-0.6GW-DG-9 TO 23-220721-P-G	466154-007	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.9GW-EXT-9 TO 10-220721-P-CB	466154-010	WIPE	N	3572M	7/21/2022	S2AVE

Crossed out Sample IDs not collected in the High Occupancy Area of Zone 1

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (10/5/2022) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*

Validation Label Legend

Label Code	*Label Decription*	*EPA Level*
S1VE	Stage_1_Validation_Electronic	N/A
S1VM	Stage_1_Validation_Manual	N/A
S1VEM	Stage_1_Validation_Electronic_and_Manual	N/A
S2AVE	Stage_2A_Validation_Electronic	Level 3 w/o calibration
S2AVM	Stage_2A_Validation_Manual	Level 3 w/o calibration
S2AVEM	Stage_2A_Validation_Electronic_and_Manual	Level 3 w/o calibration
S2BVE	Stage_2B_Validation_Electronic	Level 3 with calibration
S2BVM	Stage_2B_Validation_Manual	Level 3 with calibration
S2BVEM	Stage_2B_Validation_Electronic_and_Manual	Level 3 with calibration
S3VE	Stage_3_Validation_Electronic	Level 4
S3VM	Stage_3_Validation_Manual	Level 4
S3VEM	Stage_3_Validation_Electronic_and_Manual	Level 4
S4VE	Stage_4_Validation_Electronic	Level 4
S4VM	Stage_4_Validation_Manual	Level 4
S4VEM	Stage_4_Validation_Electronic_and_Manual	Level 4
NV	Not_Validated	N/A

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: 465921

Laboratory: Enthalpy Orange

EDD Filename: Prep465921

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 465924

Laboratory: Enthalpy Orange

EDD Filename: Prep465924

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 465944

Laboratory: Enthalpy Orange

EDD Filename: Prep465944

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 466145

Laboratory: Enthalpy Orange

EDD Filename: Prep466145

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 466154

Laboratory: Enthalpy Orange

EDD Filename: Prep466154

eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control
Outlier Reports

465921

(No Outliers)

LDC #: 54592A3b

SDG #: 465921

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

ADR

Date: 8/25/2022

Page: 1 of 1

Reviewer: BN

2nd Reviewer: AR

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	A	
V.	Field blanks	~~ND~~ A	FB= 10
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	ND	FD= 2/1, 13/12
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.2GW-DG3 TO 17-220718-P-LA	465921-001	Wipe	07/18/22
2	DOOR-N-0.2GW-DG3 TO 17-220718-P-DUP-LA	465921-002	Wipe	07/18/22
3	DOOR-N-0.2GW-PS-16-220718-P-LA	465921-004	Wipe	07/18/22
4	DOOR-N-0.2GW-PS-17-220718-P-G	465921-006	Wipe	07/18/22
5	DOOR-N-0.3GW-PS-17-220718-P-LA	465921-008	Wipe	07/18/22
6	DOOR-N-0.3GW-INT-16-TO 17-220718-P-CB	465921-010	Wipe	07/18/22
7	DOOR-N-0.4GW-PS-17-220718-P-G	465921-013	Wipe	07/18/22
8	AFRAME-C1W-LAT-L2-INT-0.5 TO 1-220718-P-FB	465921-015	Wipe	07/18/22
9	AFRAME-C1W-MED-L2-EXT-0 TO 1-220718-P-WF	465921-017	Wipe	07/18/22
10	220718-P-MEDBLANK	465921-020	Wipe	07/18/22
11	DOOR-N-0.4GW-PS-16-220718-P-LA	465921-022	Wipe	07/18/22
12	DOOR-N-0.4GW-EXT-2 TO3-220718-P-CB	465921-024	Wipe	07/18/22
13	DOOR-N-0.4GW-EXT-2 TO3-220718-P-DUP-CB	465921-025	Wipe	07/18/22
14				

Notes:

LDC #: 54592A4b

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 9/25/2022

SDG #: 465921

Page: 1 of 1

Laboratory: Enthalpy Analytical, Orange, CA

Reviewer: BN

2nd Reviewer:

ADR

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	
V.	Field Blanks	ND	FB = 11
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	~~ND~~	FD = 6/5, 10/9, Detect no qual
XI.	Target Analyte Quantitation	N	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.2GW-DG3 TO 17-220718-L-LA	465921-003	Wipe	07/18/22
2	DOOR-N-0.2GW-PS-16-220718-L-LA	465921-005	Wipe	07/18/22
3	DOOR-N-0.2GW-PS-17-220718-L-G	465921-007	Wipe	07/18/22
4	DOOR-N-0.3GW-PS-17-220718-L-LA	465921-009	Wipe	07/18/22
5	DOOR-N-0.3GW-INT-16-TO 17-220718-L-CB	465921-011	Wipe	07/18/22
6	DOOR-N-0.3GW-INT-16-TO 17-220718-L-DUP-CB	465921-012	Wipe	07/18/22
7	DOOR-N-0.4GW-PS-17-220718-L-G	465921-014	Wipe	07/18/22
8	AFRAME-C1W-LAT-L2-INT-0.5 TO 1-220718-L-FB	465921-016	Wipe	07/18/22
9	AFRAME-C1W-MED-L2-EXT-0 TO 1-220718-L-WF	465921-018	Wipe	07/18/22
10	AFRAME-C1W-MED-L2-EXT-0 TO 1-220718-L-DUP-WF	465921-019	Wipe	07/18/22
11	220718-L-MEDBLANK	465921-021	Wipe	07/18/22
12	DOOR-N-0.4GW-PS-16-220718-L-LA	465921-023	Wipe	07/18/22
13	DOOR-N-0.4GW-EXT-2 TO3-220718-L-CB	465921-026	Wipe	07/18/22
14				
15				

Notes:

Field Duplicate RPD Report

Lab Reporting Batch ID: 465921 **Laboratory: Enthalpy Orange**

EDD Filename: Prep465921 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	DOOR-N-0.3GW-INT-16 TO 17-220718-	DOOR-N-0.3GW-INT-16 TO 17-220718-L-DUP-			
LEAD	32	51	46	100.00	No Qualifiers Applied

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	AFRAME-C1W-MED-L2-EXT-0 TO 1-220718-	AFRAME-C1W-MED-L2-EXT-0 TO 1-220718-			
LEAD	42	61	37	100.00	No Qualifiers Applied

Quality Control
Outlier Reports

465924

(No Outliers)

LDC #: 54592B3b
SDG #: 465924
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 8/24/22
Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Initial calibration/ICV	A/A	%D/RSD/ICV ≤ 20
III.	Continuing calibration	A	CCV ≤ 20
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes /19	A/A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	LCS ID
IX.	Field duplicates	N	
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.1GW-DG-3 TO 16-220718-P-LA	465924-001	Wipe	07/18/22
2	DOOR-N-0.2GW-EXT-3 TO 4-220718-P-CB	465924-003	Wipe	07/18/22
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				

Notes:

	293716						

IS = 1-bromo-2-nitrobenzene

LDC #: 54592B3b

VALIDATION FINDINGS CHECKLIST

Reviewer: FT

Method: ✓GC __HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥0.990?			✓	
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
Were all the retention times within the acceptance windows?	✓			
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
V. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 54592B3h

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer: [illegible]

METHOD: GC ✓ HPLC _____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (50.0 std)	Recalculated CF (50.0 std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
1	ICAL	7/27/22	Aroclor 1260-1 (A)	0.0338	0.0338	0.0410	0.0410	12	12
			(B)	0.0471	0.0471	0.0567	0.0567	16	16
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54592B3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of target analyte
C = Concentration of target analyte

#	Standard ID	Calibration Date	Target Analyte	Average CF(ical)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	ccv	7/27/22 1101	Aroclor 1260 - ChA	500.0	526.6	526.6	5	5
		↓	ChB	500.0	492.4	492.4	2	2
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54592B3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: ✓ GC ___ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	ch B	1.0	0.670	67	67	0
DCB	↓	10	0.634	63	63	0

Sample ID:

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 54592B3b

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: ✓ GC __HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(((SSCLCS - SSCLCSD) * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
LCS = Laboratory Control Sample
SA = Spike added
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 293716 LCSD

Compound	Spike Added (ug/100cm2)		Spike Sample Concentration (ug/100cm2)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.0	5.0	4.397	3.792	88	88	76	76	15	15

Comments: _____

LDC #: 31572B3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

Concentration= $\frac{(A)(Fv)(Df)}{(RF)(Vs \text{ or } Ws)(\%S/100)}$

A= Area or height of the target analyte to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the target analyte in the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. 293716-LCS Aroclor 1260

Concentration = $\frac{(439.69)(10)}{(1000)}$ =

4.3969

#	Sample ID	Target analyte	Reported Concentrations (ug/100cm²)	Recalculated Results Concentrations (ug/100cm²)	Qualifications
	LCS	Aroclor 1260	4.397	4.3969	
	1260-1 = 5772254.72 (20) / 4862879.23 (0.0567)		= 418.76	1260-1 =	418.76
				2	453.6
				3	419.1
				4	445.3
				5	461.7
					439.69

Comments: _____

LDC #: 54592B4b
SDG #: 465924
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 8/23/22
Page: 1 of 1
Reviewer: ATV
2nd Reviewer: (2)

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	A	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	C,S
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	A	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.1GW-DG-3 TO 16-220718-L-LA	465924-002	Wipe	07/18/22
2	DOOR-N-0.2GW-EXT-3 TO 4-220718-L-CB	465924-004	Wipe	07/18/22
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

LDC #: 54592B4b

VALIDATION FINDINGS CHECKLIST

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
Were all water samples preserved to a pH of <2.			✓	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			✓	
Were %RSDs of isoptoes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily?	✓			
Were the proper standards used?	✓			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low level standard checks within 70-130%?			✓	
Were all initial calibration correlation coefficients within limits as specifed by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?		✓		
V. Interference Check Sample				
Were the interference check samples performed daily?	✓			
Were the AB solution recoveries within 80-120%?	✓			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			✓	
VII. Laboratory Control Samples				
SDG?	✓			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	✓			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			✓	
If the recoveries were outside the limits, was a reanalysis performed?			✓	
IX. Serial Dilution				
Were all percent differences <10%?			✓	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
XIII. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	

LDC #: 54592B4b

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Reviewer: ATV

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$$\%R = \frac{\text{Found}}{\text{True}} \times 100$$

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (~~ug/L~~ mg/L)	True (~~ug/L~~ mg/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration)	Pb	0.9846	1.000	98	98	Y
	ICP/MS (Initial calibration)						
	CVAA (Initial calibration)						
CCV	ICP (Continuing calibration) 7/20 @ 20:07	Pb	0.9708	1.000	97	97	Y
	ICP/MS (Continuing calibration)						
	CVAA (Continuing calibration)						

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 54592B46

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATC

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units) µg/ft2	True / D / SDR (units) µg/ft2	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check	Pb	0.9605 mg/L	1.000 mg/L	96	96	Y
LCS	Laboratory control sample	Pb	114.00	100.00	114	114	Y
	Matrix spike		(SSR-SR)				
	Duplicate						
	Post digestion spike						
	ICP serial dilution						

Comments: _____

LDC #: 54592B46

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Pb were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

Recalculation: #2

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

$1.419 \times 100 = 141.9$

#	Sample ID	Analyte	Reported Concentration (µg/L)	Calculated Concentration (µg/L)	Acceptable (Y/N)
	1	Pb	59	58.981	Y
	2	Pb	140	141.9	Y

Note: _____

Quality Control
Outlier Reports

465944

(No Outliers)

LDC #: 54592C3b

SDG #: 465944

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

ADR

Date: 8/25/2022

Page: 1 of 3

Reviewer: RN

2nd Reviewer: (2)

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	A	
V.	Field blanks	ND	FB=10
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	ND	FD= 3/2,
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.1GW-INT1 TO 16-220719-P-CB	465944-001	Wipe	07/19/22
2	DOOR-N-0.1GW-DG-2 TO 16-220719-P-LA	465944-003	Wipe	07/19/22
3	DOOR-N-0.1GW-DG-2 TO 16-220719-P-DUP-LA	465944-004	Wipe	07/19/22
4	DOOR-N-0.2GW-EST-1 TO 2-220719-P-CB	465944-006	Wipe	07/19/22
5	DOOR-N-0.3GW-DG-2 TO 16-220719-P-LA	465944-008	Wipe	07/19/22
6	DOOR-N-0.3GW-INT-1 TO 16-220719-P-CB	465944-010	Wipe	07/19/22
7	DOOR-N-0.4GW-EXT1 TO 2-220719-P-CB	465944-012	Wipe	07/19/22
8	AFRAME-C1W-MED-L1-INT2 TO 3-220719-P-FB	465944-014	Wipe	07/19/22
9	AFRAME-C1W-LAT-L1-EXT-1 TO 2-220719-P-WF	465944-016	Wipe	07/19/22
10	220719-P-MEDBLANK	465944-019	Wipe	07/19/22
11				
12				
13				

Notes:

LDC #: 54592C4b

SDG #: 465944

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

ADR

Date: 5/25/2022

Page: 1 of 1

Reviewer: BN

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	
V.	Field Blanks	~~ANB~~ SW	FB= 10 Detect no qual
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	~~HDA~~	FD= 9/8 Detect no qual
XI.	Target Analyte Quantitation	N	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.1GW-INT1 TO 16-220719-L-CB	465944-002	Wipe	07/19/22
2	DOOR-N-0.1GW-DG-2 TO 16-220719-L-LA	465944-005	Wipe	07/19/22
3	DOOR-N-0.2GW-EST-1 TO 2-220719-L-CB	465944-007	Wipe	07/19/22
4	DOOR-N-0.3GW-DG-2 TO 16-220719-L-LA	465944-009	Wipe	07/19/22
5	DOOR-N-0.3GW-INT-1 TO 16-220719-L-CB	465944-011	Wipe	07/19/22
6	DOOR-N-0.4GW-EXT1 TO 2-220719-L-CB	465944-013	Wipe	07/19/22
7	AFRAME-C1W-MED-L1-INT2 TO 3-220719-L-FB	465944-015	Wipe	07/19/22
8	AFRAME-C1W-LAT-L1-EXT-1 TO 2-220719-L-WF	465944-017	Wipe	07/19/22
9	AFRAME-C1W-LAT-L1-EXT-1 TO 2-220719-L-DUP-WF	465944-018	Wipe	07/19/22
10	220719-L-MEDBLANK	465944-020	Wipe	07/19/22
11				
12				
13				
14				
15				

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 465944

Laboratory: Enthalpy Orange

EDD Filename: Prep465944

Moffett_Hangar_1_NTCRA_Enthalpy_220609

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	220719-L-MEDBLANK	1.6	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: 465944 **Laboratory: Enthalpy Orange**

EDD Filename: Prep465944 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	AFRAME-C1W-LAT-L1-EXT-1 TO 2-220719-	AFRAME-C1W-LAT-L1-EXT-1 TO 2-220719-L-			
LEAD	240	220	9	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Quality Control Outlier Reports

466145

(No Outliers)

Samples from SDG 466145 not collected in High Occupancy Area of Zone 1

LDC #: 54592D3b

SDG #: 46614 5

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

4DR

Date: 8/25/2022

Page: 1 of 1

Reviewer: B

2nd Reviewer: A

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	A	
V.	Field blanks	ND	FB= 13
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	ND	FD= 10/9
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C1W-EXT-2 TO 3-220721-P-WF	466145-001	Wipe	07/21/22
2	DOOR-N-0.1GW-DG-10 TO 23-220721-P-LA	466145-004	Wipe	07/21/22
3	DOOR-N-0.4GW-DG-10 TO 24-220721-P-G	466145-006	Wipe	07/21/22
4	DOOR-N-0.5GW-EXT-9 TO 10-220721-P-CB	466145-008	Wipe	07/21/22
5	DOOR-N-0.8GW-DG-10 TO 24-220721-P-G	466145-010	Wipe	07/21/22
6	DOOR-N-0.9GE-INT-23 TO 24-220721-P-CB	466145-012	Wipe	07/21/22
7	DOOR-N-0.8GE-DG-10 TO 24-220721-P-G	466145-014	Wipe	07/21/22
8	DOOR-N-0.5GE-EXT-9 TO 10-220721-P-CB	466145-016	Wipe	07/21/22
9	DOOR-N-0.4GE-DG-10 TO 24-220721-P-LA	466145-018	Wipe	07/21/22
10	DOOR-N-0.4GE-DG-10 TO 24-220721-P-DUP-LA	466145-019	Wipe	07/21/22
11	DOOR-N-0.1GE-PS-23-220721-P-LA	466145-021	Wipe	07/21/22
12	ARCH-C1E-EXT-3 TO 4-220721-P-WF	466145-023	Wipe	07/21/22
13	220721-P-MEDBLANK	466145-025	Wipe	07/21/22
14	DOOR-N-0.7GE-PS-23-220721-P-LA	466145-027	Wipe	07/21/22
15				
16				
17				

LDC #: 54592D4b

SDG #: 466145

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

ADR

Date: 8/25/2022

Page: ___ of ___

Reviewer: BN

2nd Reviewer: _____

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	
V.	Field Blanks	SW ~~ND~~ A	FB= 13
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	~~ND~~ A	FD= 2/1 Detect no qual
XI.	Target Analyte Quantitation	N	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C1W-EXT-2 TO 3-220721-L-WF	466145-002	Wipe	07/21/22
2	ARCH-C1W-EXT-2 TO 3-220721-L-DUP-WF	466145-003	Wipe	07/21/22
3	DOOR-N-0.1GW-DG-10 TO 23-220721-L-LA	466145-005	Wipe	07/21/22
4	DOOR-N-0.4GW-DG-10 TO 24-220721-L-G	466145-007	Wipe	07/21/22
5	DOOR-N-0.5GW-EXT-9 TO 10-220721-L-CB	466145-009	Wipe	07/21/22
6	DOOR-N-0.8GW-DG-10 TO 24-220721-L-G	466145-011	Wipe	07/21/22
7	DOOR-N-0.9GE-INT-23 TO 24-220721-L-CB	466145-013	Wipe	07/21/22
8	DOOR-N-0.8GE-DG-10 TO 24-220721-L-G	466145-015	Wipe	07/21/22
9	DOOR-N-0.5GE-EXT-9 TO 10-220721-L-CB	466145-017	Wipe	07/21/22
10	DOOR-N-0.4GE-DG-10 TO 24-220721-L-LA	466145-020	Wipe	07/21/22
11	DOOR-N-0.1GE-PS-23-220721-L-LA	466145-022	Wipe	07/21/22
12	ARCH-C1E-EXT-3 TO 4-220721-L-WF	466145-024	Wipe	07/21/22
13	220721-L-MEDBLANK	466145-026	Wipe	07/21/22
14	DOOR-N-0.7GE-PS-23-220721-L-LA	466145-028	Wipe	07/21/22
15				

Notes: _____

Field Blank Contamination Report

Lab Reporting Batch ID: 466145

Laboratory: Enthalpy Orange

EDD Filename: Prep466145

Moffett_Hangar_1_NTCRA_Enthalpy_220609

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	220721-L-MEDBLANK	1.6	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: 466145 **Laboratory: Enthalpy Orange**

EDD Filename: Prep466145 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C1W-EXT-2 TO 3-220721-L-WF (TOT)	**ARCH-C1W-EXT-2 TO 3-220721-L-DUP-WF**			
LEAD	1.0 U	190	200	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Quality Control Outlier Reports

466154

(No Outliers)

Samples from SDG 466145 not collected in High Occupancy Area of Zone 1

LDC #: 54592E3b

SDG #: 466154

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 8/25/2022

Page: 1 of 1

Reviewer: ADR

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	~~ND~~ AD	FD = 5/4 ~~Detect no quant~~
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII	Overall assessment of data		

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C1W-INT-2.5 TO 3.5-220721-P-WF	466154-001	Wipe	07/21/22
2	DOOR-N-0.2GW-INT-23 TO 24-220721-P-CB	466154-003	Wipe	07/21/22
3	DOOR-N-0.3GW-PS-23-2520721-P-G	466154-005	Wipe	07/21/22
4	DOOR-N-0.6GW-DG-9 TO 23-220721-P-G	466154-007	Wipe	07/21/22
5	DOOR-N-0.6GW-DG-9 TO 23-220721-P-DUP-G	466154-008	Wipe	07/21/22
6	DOR-N-0.9GW-EXT-9 TO 10-2207231-P-CB	466154-010	Wipe	07/21/22
7	DOOR-N-0.3GE-PS-23-220721-P-G	466154-013	Wipe	07/21/22
8	ARCH-C1E-INT-2.5 TO 3.5-220721-P-WF	466154-015	Wipe	07/21/22
9	DOOR-N-0.2GE-EXT-9 TO 10-220721-P-CB	466154-017	Wipe	07/21/22
10				
11				
12				
13				

Notes:

LDC #: 54592E4b

SDG #: 466154

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

ADR

Date: 8/25/2022

Page: 1 of 1

Reviewer: CN

2nd Reviewer: [illegible]

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	~~ND~~ SW	FD= 6/5 Detect no qual
XI.	Target Analyte Quantitation	N	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C1W-INT-2.5 TO 3.5-220721-L-WF	466154-002	Wipe	07/21/22
2	DOOR-N-0.2GW-INT-23 TO 24-220721-L-CB	466154-004	Wipe	07/21/22
3	DOOR-N-0.3GW-PS-23-2520721-L-G	466154-006	Wipe	07/21/22
4	DOOR-N-0.6GW-DG-9 TO 23-220721-L-G	466154-009	Wipe	07/21/22
5	DOR-N-0.9GW-EXT-9 TO 10-2207231-L-CB	466154-011	Wipe	07/21/22
6	DOR-N-0.9GW-EXT-9 TO 10-2207231-L-DUP-CB	466154-012	Wipe	07/21/22
7	DOOR-N-0.3GE-PS-23-220721-L-G	466154-014	Wipe	07/21/22
8	ARCH-C1E-INT-2.5 TO 3.5-220721-L-WF	466154-016	Wipe	07/21/22
9	DOOR-N-0.2GE-EXT-9 TO 10-220721-L-CB	466154-018	Wipe	07/21/22
10				
11				
12				
13				
14				
15				

Notes:

Field Duplicate RPD Report

Lab Reporting Batch ID: 466154 **Laboratory: Enthalpy Orange**

EDD Filename: Prep466154 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	DOOR-N-0.9GW-EXT-9 TO 10-220721-L-CB	DOOR-N-0.9GW-EXT-9 TO 10-220721-L-DUP-			
LEAD	560	1100	65	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA - 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

February 28, 2023

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fraction listed below. This SDGs was received on July 27, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #54729_B_RV2:

SDG #	Fraction
465889	Polychlorinated Biphenyls, Lead

The data validation was performed under Stage 2A guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
Project Manager/Senior Chemist
pgeng@lab-data.com

86 pages-ADV EDD

Attachment 1

Stage 2A/3 (client select) **LDC# 54729 (Rincon Consultants, Inc., Los Angeles, CA / Hangar 1 NTCRA)** **Project# 20-10491**

LDC	SDG#	DATE REC'D	(3) DATE DUE	PCBs (8082)		Pb (6010B)																													
Matrix: Wipe				W	WP	W	WP	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
B	465889	07/27/22	08/17/22	0	9	0	9																												
Total	T/PG			0	9	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18

Shaded cells indicate Stage 3 validation (all other cells are Stage 2A validation). Sample counts do not include MS, MSD, and DUP's.

LDC Report# 54729B_RV1

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Group

465889

October 19, 2022

Introduction

This Data Validation Report (DVR) presents Stage 2A data validation results for samples collected during the July 2022 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by EPA SW 846 Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

NJ Presumptive evidence of presence of the compound at an estimated quantity.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

Field Blanks

8082
One media blank was collected and analyzed. No contaminants were found.

6010B
One media blank was collected and analyzed. No contaminants were found.

Surrogate Spikes

8082
Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for these methods, and therefore matrix spike and matrix spike duplicate analyses were not performed.

Duplicate Sample Analysis

6010B
The laboratory has indicated that there were no laboratory duplicate (DUP) analyses specified for this method, and therefore laboratory duplicate analyses were not performed.

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

Field Duplicates

8082
One field duplicate pair was collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

6010B
One field duplicate pair was collected and analyzed. All RPDs were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. While the reporting limits were not achieved in accordance with the UFP-QAPP, the achieved reporting limits are acceptable with respect to the Cleanup Goals.

Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in this SDG.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 465874						
Method: 6010B						
AFRAME-C1W-LAT-L3-EXT-1 TO 2-220716-L-WF	465874-006	WIPE	N	3050B	7/16/2022	S3VEM
DOOR-N-0.1GW-INT-17 TO 18-220716-L-CB	465874-002	WIPE	N	3050B	7/16/2022	S3VEM
DOOR-N-0.4GW-DG-4 TO 17-220716-L-LA	465874-004	WIPE	N	3050B	7/16/2022	S3VEM
Method: 8082						
AFRAME-C1W-LAT-L3-EXT-1 TO 2-220716-P-WF	465874-005	WIPE	N	3572M	7/16/2022	S3VEM
DOOR-N-0.1GW-INT-17 TO 18-220716-P-CB	465874-001	WIPE	N	3572M	7/16/2022	S3VEM
DOOR-N-0.4GW-DG-4 TO 17-220716-P-LA	465874-003	WIPE	N	3572M	7/16/2022	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (8/25/2022) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*

Validation Label Legend

Label Code	*Label Decription*	*EPA Level*
S1VE	Stage_1_Validation_Electronic	N/A
S1VM	Stage_1_Validation_Manual	N/A
S1VEM	Stage_1_Validation_Electronic_and_Manual	N/A
S2AVE	Stage_2A_Validation_Electronic	Level 3 w/o calibration
S2AVM	Stage_2A_Validation_Manual	Level 3 w/o calibration
S2AVEM	Stage_2A_Validation_Electronic_and_Manual	Level 3 w/o calibration
S2BVE	Stage_2B_Validation_Electronic	Level 3 with calibration
S2BVM	Stage_2B_Validation_Manual	Level 3 with calibration
S2BVEM	Stage_2B_Validation_Electronic_and_Manual	Level 3 with calibration
S3VE	Stage_3_Validation_Electronic	Level 4
S3VM	Stage_3_Validation_Manual	Level 4
S3VEM	Stage_3_Validation_Electronic_and_Manual	Level 4
S4VE	Stage_4_Validation_Electronic	Level 4
S4VM	Stage_4_Validation_Manual	Level 4
S4VEM	Stage_4_Validation_Electronic_and_Manual	Level 4
NV	Not_Validated	N/A

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: 465889

Laboratory: Enthalpy Orange

EDD Filename: Prep465889

eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control
Outlier Reports

465889

LDC #: 54729B3b

SDG #: 465889

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

ADR

Date: 8/25/2022

Page: __ of __

Reviewer: BN

2nd Reviewer: _____

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	A	
V.	Field blanks	ND	FB=5
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	ND	FD= 8/7
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.1GW-DG-6 TO 19-220716-P-LA	465889-001	Wipe	07/16/22
2	DOOR-N-0.3GW-DG-5 TO 19-220716-P-LA	465889-003	Wipe	07/16/22
3	ARCH-C1W-PS-6.5-220716-P-G	465889-005	Wipe	07/16/22
4	DOOR-N-0.3GW-EXT-4 TO 5-220716-P-CB	465889-007	Wipe	07/16/22
5	220716-P-MEDBLANK	465889-010	Wipe	07/16/22
6	DOOR-N-0.4GW-PS-19-220716-P-G	465889-012	Wipe	07/16/22
7	DOOR-N-0.2GW-PS-19-220716-P-G	465889-014	Wipe	07/16/22
8	DOOR-N-0.2GW-PS-19-220716-P-DUP-G	465889-015	Wipe	07/16/22
9	ARCH-C1W-DG-6.5 TO 7-220716-P-FB	465889-017	Wipe	07/16/22
10				
11				
12				
13				

Notes:

LDC #: 54729B4b

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 8/25/2022

SDG #: 465889

Page: of

Laboratory: Enthalpy Analytical, Orange, CA

ADR

Reviewer: BN

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	
V.	Field Blanks	ND	FB = 6
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	ND	FD = 5/4
XI.	Target Analyte Quantitation	N	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.1GW-DG-6 TO 19-220716-L-LA	465889-002	Wipe	07/16/22
2	DOOR-N-0.3GW-DG-5 TO 19-220716-L-LA	465889-004	Wipe	07/16/22
3	ARCH-C1W-PS-6.5-220716-L-G	465889-006	Wipe	07/16/22
4	DOOR-N-0.3GW-EXT-4 TO 5-220716-L-CB	465889-008	Wipe	07/16/22
5	DOOR-N-0.3GW-EXT-4 TO 5-220716-L-DUP-CB	465889-009	Wipe	07/16/22
6	2207136-L-MEDBLANK	465889-011	Wipe	07/16/22
7	DOOR-N-0.4GW-PS-19-220716-L-G	465889-013	Wipe	07/16/22
8	DOOR-N-0.2GW-PS-19-220716-L-G	465889-016	Wipe	07/16/22
9	ARCH-C1W-DG-6.5 TO 7-220716-L-FB	465889-018	Wipe	07/16/22
10				
11				
12				
13				
14				
15				

Notes:

Field Duplicate RPD Report

Lab Reporting Batch ID: 465889 **Laboratory: Enthalpy Orange**

EDD Filename: Prep465889 **eQAPP Name:**

Method: 6010B

Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	DOOR-N-0.3GW-EXT-4 TO 5-220716-L-CB	DOOR-N-0.3GW-EXT-4 TO 5-220716-L-DUP-CB			
LEAD	100	68	38	100.00	No Qualifiers Applied

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA - 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

February 28, 2023

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fraction listed below. This SDG was received on August 18, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #54811 RV2:

SDG #	Fraction
467089	Polychlorinated Biphenyls, Lead

The data validation was performed under Stage 3 guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
Project Manager/Senior Chemist
pgeng@lab-data.com

55 pages-ADV EDD

Attachment 1

Stage 2A/3 (client select) **LDC# 54811 (Rincon Consultants, Inc., Los Angeles, CA / Hanger 1 NTCRA)** **Project# 20-10491**

LDC	SDG#	DATE REC'D	(3) DATE DUE	PCBs (8082)		Pb (6010B)																													
Matrix: Water/Soil/Wipe				W	WP	W	WP	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	467089	08/18/22	09/09/22	0	5	0	5																												
Total	TR/PG			0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10

Shaded cells indicate Stage 3 validation (all other cells are Stage 2A validation). Sample counts do not include MS, MSD, and DUP's. V:\LOGIN\Rincon\Moffett Field, Hanger 1 NTCRA\54811ST-Wipe.wpd

LDC Report# 54811A_RV1

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Group

467089

November 8, 2022

Introduction

This Data Validation Report (DVR) presents Stage 3 data validation results for samples collected during the August 2022 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by EPA SW 846 Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 3 data validation, which comprises an evaluation of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

NJ Presumptive evidence of presence of the compound at an estimated quantity.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082
The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for all analytes.

6010B
An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Continuing Calibration

8082
Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

6010B
Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

ICP Interference Check Sample Analysis

6010B
The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

Field Blanks

No field blanks were identified in this SDG.

Surrogate Spikes

8082
Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Internal Standards

8082
All internal standard areas and retention times were within QC limits.

Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for these methods, and therefore matrix spike and matrix spike duplicate analyses were not performed.

Duplicate Sample Analysis

6010B
The laboratory has indicated that there were no laboratory duplicate (DUP) analyses specified for this method, and therefore laboratory duplicate analyses were not performed.

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

Field Duplicates

No field duplicates were identified in this SDG.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. While the reporting limits were not achieved in accordance with the UFP-QAPP, the achieved reporting limits are acceptable with respect to the Cleanup Goals.

Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in this SDG.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 467089						
Method: 6010B						
DOOR-N-0.6GE-EXT-3 TO 4-220808-L-CB	467089-006	WIPE	N	3050B	8/8/2022	S3VEM
DOOR-N-0.6GW-INT-17TO18-220808-L-CB	467089-002	WIPE	N	3050B	8/8/2022	S3VEM
DOOR-N-0.8GE-DG-3 TO 17-220808-L-G	467089-008	WIPE	N	3050B	8/8/2022	S3VEM
DOOR-N-0.8GW-PS-17-220808-L-LA	467089-004	WIPE	N	3050B	8/8/2022	S3VEM
DOOR-N-0.9GE-DG-4 TO 17-220808-L-LA	467089-010	WIPE	N	3050B	8/8/2022	S3VEM
Method: 8082						
DOOR-N-0.6GE-EXT-3 TO 4-220808-P-CB	467089-005	WIPE	N	3572M	8/8/2022	S3VEM
DOOR-N-0.6GW-INT-17TO18-220808-P-CB	467089-001	WIPE	N	3572M	8/8/2022	S3VEM
DOOR-N-0.8GE-DG-3 TO 17-220808-P-G	467089-007	WIPE	N	3572M	8/8/2022	S3VEM
DOOR-N-0.8GW-PS-17-220808-P-LA	467089-003	WIPE	N	3572M	8/8/2022	S3VEM
DOOR-N-0.9GE-DG-4 TO 17-220808-P-LA	467089-009	WIPE	N	3572M	8/8/2022	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (9/8/2022) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*

Validation Label Legend

Label Code	*Label Decription*	*EPA Level*
S1VE	Stage_1_Validation_Electronic	N/A
S1VM	Stage_1_Validation_Manual	N/A
S1VEM	Stage_1_Validation_Electronic_and_Manual	N/A
S2AVE	Stage_2A_Validation_Electronic	Level 3 w/o calibration
S2AVM	Stage_2A_Validation_Manual	Level 3 w/o calibration
S2AVEM	Stage_2A_Validation_Electronic_and_Manual	Level 3 w/o calibration
S2BVE	Stage_2B_Validation_Electronic	Level 3 with calibration
S2BVM	Stage_2B_Validation_Manual	Level 3 with calibration
S2BVEM	Stage_2B_Validation_Electronic_and_Manual	Level 3 with calibration
S3VE	Stage_3_Validation_Electronic	Level 4
S3VM	Stage_3_Validation_Manual	Level 4
S3VEM	Stage_3_Validation_Electronic_and_Manual	Level 4
S4VE	Stage_4_Validation_Electronic	Level 4
S4VM	Stage_4_Validation_Manual	Level 4
S4VEM	Stage_4_Validation_Electronic_and_Manual	Level 4
NV	Not_Validated	N/A

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: 467089

Laboratory: Enthalpy Orange

EDD Filename: Prep467089

eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control
Outlier Reports

467089

(No Outliers)

LDC #: 54811A3b

SDG #: 467089

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 09/07/22

Page: 1 of 1

Reviewer: JVG

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Initial calibration/ICV	A/A	RSD ≤ 20% ICV ≤ 20%
III.	Continuing calibration	A	%D ≤ 20%
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	LCS
IX.	Field duplicates	N	
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.6GW-INT-TO 18-220808-P-CB	467089-001	Wipe	08/08/22
2	DOOR-N-0.8GW-PS-17-220808-P-LA	467089-003	Wipe	08/08/22
3	DOOR-N-0.6GE-EXT-3 TO 4-220808-P-CB	467089-005	Wipe	08/08/22
4	DOOR-N-0.8GE-DG-3 TO 17-220808-P-G	467089-007	Wipe	08/08/22
5	DOOR-N-0.9GE-DG-4 TO 17-220808-P-LA	467089-009	Wipe	08/08/22
6				
7				
8				
9				
10				
11				
12				
13				

Notes:

—	294760 Blk						

Method: Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/ECD Instrument performance check				
Was the instrument performance found to be acceptable?			✓	
Were Evaluation mix standards analyzed prior to the initial calibration and at beginning of each 12-hour shift?			✓	
Were endrin and 4,4'-DDT breakdowns ≤ 15% for individual breakdown in the Evaluation mix standards?			✓	
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?			✓	
Were the RT windows properly established?	✓			
IIIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
IV. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
Were all the retention times within the acceptance windows?	✓			
V. Laboratory Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was a method blank performed for each matrix and whenever a sample extraction was performed?	✓			
Was there contamination in the method blanks?		✓		
VI. Field blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	
VII. Surrogate spikes/Internal Standards				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	

Validation Area	Yes	No	NA	Findings/Comments
If any percent recovery (%R) was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
Were internal standard area counts within ± 50% of the average area calculated during calibration?	✓			
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?		✓		
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
IX. Laboratory control samples				
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
XI. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were target analyte quantitation and RLs adjusted to reflect all sample dilutions, dry weight factors, and clean-up activities applicable to level IV validation?	✓			
Were relative percent difference (RPD) of the results between two columns ≤ 40%?	✓			
XII. Target analyte identification				
Were the retention times of reported detects within the RT windows?	✓			
Were manual integrations performed and found acceptable?			✓	
Did the laboratory provide before and after integration printouts?			✓	
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

LDC #: 54811A3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: JVG

METHOD: GC / HPLC _____

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where:
A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (100 std)	Recalculated CF (100 std)	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL GC02	7/27/2022	Aroclor 1260-1 (Chan A)	0.0432	0.0432	0.0410	0.0410	12	12.2
			Aroclor 1260-1 (Chan B)	0.0666	0.0666	0.0567	0.0567	16	16.0

LDC # 54811A3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: JVG

METHOD: GC / HPLC

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration percent difference (%D) values were recalculated for the compounds identified below using the following calculation:

Percent difference (%D) = 100 * (N - C)/N

Where:

N = Initial Calibration Factor or Nominal Amount

C = Calibration Factor from Continuing Calibration Standard or Calculated Amount

#	Standard ID	Calibration Date	Compound	CCV Conc	Reported Conc	Recalculated Conc	Reported % D	Recalculated %D
1	gc02_081022-010	8/10/2022	1260 Total (Chan A)	500.00	447.00	446.87	11	11
			1260 Total (Chan B)	500.00	411.20	411.14	18	18

LDC #: 54811 A3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: JVG

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: # 1

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene	chan A	50.0	42.2389	85	85	0
Tetrachloro-m-xylene		↓				↓
Decachlorobiphenyl	chan A	↓	46.5924	93	93	↓
Decachlorobiphenyl						

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Notes:

LDC #: 54811 A36

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicate Results Verification

Reviewer: JVG

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries (%R) and Relative Percent difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

% Recovery = 100* (SSC-SC)/SA

Where: SSC = Spiked sample concentration
SA = Spike added
SC = Concentration

RPD = I LCS - LCSD I * 2/(LCS + LCSD)

LCS = Laboratory control sample percent recovery

LCSD = Laboratory control sample duplicate percent recovery

LCS/LCSD samples: 294760 BS BSD

Compound	Spike Added (ug/100cm²)		Spiked Sample Concentration (ug/100 cm²)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
4,4'-DDT										
gamma-BHC										
Aroclor 1260	5.00	5.00	6.641	5.993	133	133	120	120	10	10

Comments: _____

LDC #: 54811A36

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: JVG

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

$$\text{Concentration} = \frac{(A)\,(Fv)\,(Df)}{(RF)\,(Vs \text{ or } Ws)\,(\%S/100)}$$

A = Area of target analyte
Fv = Final Volume of extract
Df = Dilution Factor
RF = Average Response Factor of target analyte
Vs = Initial Volume of sample
Ws = Initial Weight of sample
%S = Percent Solid

Example:

Sample I.D. MP 1260 LCS (Chan A)

1260-1

Conc. = $\frac{(99534865)(20)}{(78948432)(0.0410)} = 616.86$

1260 Ave = $\frac{616.86 + 641.9 + 635.7 + 756.7 + 669.1}{5} = 664.05$

conc. = $\frac{(664.05)(10mL)}{(1000)} = 6.6405\ ug/100cm^2$

#	Sample ID	Compound	Reported Concentration ($ug/100cm^3$)	Calculated Concentration ($ug/100cm^2$)	Qualification
	LCS	1260	6.641	6.641	—

Note: _____

LDC #: 54811A4b
SDG #: 467089
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 9/7/22
Page: 1 of 1
Reviewer: ATV
2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	A	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	CS
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	A	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet
ND = No compounds detected
R = Rinsate
FB = Field blank
D = Duplicate
TB = Trip blank
EB = Equipment blank
SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.6GW-INT-17 TO 18-220808-L-CB	467089-002	Wipe	08/08/22
2	DOOR-N-0.8GW-PS-17-220808-L-LA	467089-004	Wipe	08/08/22
3	DOOR-N-0.6GE-EXT-3 TO 4-220808-L-CB	467089-006	Wipe	08/08/22
4	DOOR-N-0.8GE-DG-3 TO 17-220808-L-G	467089-008	Wipe	08/08/22
5	DOOR-N-0.9GE-DG-4 TO 17-220808-L-LA	467089-010	Wipe	08/08/22
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
Were all water samples preserved to a pH of <2.			✓	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			✓	
Were %RSDs of isoptoes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily?	✓			
Were the proper standards used?	✓			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low level standard checks within 70-130%?			✓	not reported / provided.
Were all initial calibration correlation coefficients within limits as specifed by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?		✓		
V. Interference Check Sample				
Were the interference check samples performed daily?	✓			
Were the AB solution recoveries within 80-120%?	✓			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			✓	
VII. Laboratory Control Samples				
SDG?	✓			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	✓			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			✓	
If the recoveries were outside the limits, was a reanalysis performed?			✓	
IX. Serial Dilution				
Were all percent differences <10%?			✓	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
XIII. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	

LDC #: 54811A46

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Page: 1 of 1
Reviewer: ATL

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = Found / True x 100

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (~~ug/L~~ mg/L)	True (~~ug/L~~ mg/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration)	Pb	1.016	1.000	102	102	Y
	ICP/MS (Initial calibration)						
	CVAA (Initial calibration)						
CCV	ICP (Continuing calibration) 08/10 @ 10:50	Pb	1.076	1.000	108	108	Y
	ICP/MS (Continuing calibration)						
	CVAA (Continuing calibration)						

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 54811A46

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATC

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units) µg/kg	True / D / SDR (units) µg/kg	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check	Pb	1.000 mg/L	1.000 mg/L	100	100	Y
LCS	Laboratory control sample	Pb	104.138	100.00	104	104	Y
	Matrix spike		(SSR-SR)				
	Duplicate						
	Post digestion spike						
	ICP serial dilution						

Comments: _____

LDC #: 54811A4b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(X) N N/A Have results been reported and calculated correctly?
(X) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Pb were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

Recalculation: #5

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

$2.9299 \times (100/1.0276) = 285.121$

#	Sample ID	Analyte	Reported Concentration (µg/L)	Calculated Concentration (µg/L)	Acceptable (Y/N)
	1	Pb	150	145.536	Y
	2	Pb	110	111.918	Y
	3	Pb	160	164.646	Y
	4	Pb	110	105.494	Y
	5	Pb	290	285.121	Y

Note:

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA - 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

February 28, 2023

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fraction listed below. These SDGs were received on August 15, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #54868_A-B, D_RV2:

SDG #	Fraction
467095 467181 467435	Polychlorinated Biphenyls, Lead

The data validation was performed under Stage 2A & 3 guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
Project Manager/Senior Chemist
pgeng@lab-data.com

88 pages-ADV EDD

Attachment 1

Stage 2A/3 (client select) **LDC# 54868 (Rincon Consultants, Inc., Los Angeles, CA / Hanger 1 NTCRA)** **Project# 20-10491**

LDC	SDG#	DATE REC'D	(3) DATE DUE	PCBs (8082)		Pb (6010B)																															
Matrix:	Water/Soil/Wipe			W	WP	W	WP	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	467095	08/25/22	09/16/22	0	8	0	6																														
B	467181	08/25/22	09/16/22	0	7	0	9																														
D	467435	08/25/22	09/16/22	-	-	0	2																														
Total	TR/PG			0	15	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32

Shaded cells indicate Stage 3 validation (all other cells are Stage 2A validation). Sample counts do not include MS, MSD, and DUPs.

LDC Report# 54868_RV1

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Groups

467095
467181
467435

October 19, 2022

Introduction

This Data Validation Report (DVR) presents Stage 2A data validation results for samples collected during the August 2022 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by EPA SW 846 Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

NJ Presumptive evidence of presence of the compound at an estimated quantity.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

Field Blanks

8082
One media blank was collected and analyzed. No contaminants were found.

6010B
One media blank was collected and analyzed. One media blank had detections for lead. The associated sample results were not detected or were significantly greater than the concentrations found in the media blank, therefore no data were qualified. The details are presented in Enclosure I.

Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for this method, and therefore matrix spike and matrix spike duplicate analyses were not performed.

Duplicate Sample Analysis

6010B
The laboratory has indicated that there were no laboratory duplicate (DUP) analyses specified for this method, and therefore laboratory duplicate analyses were not performed.

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

Field Duplicates

8082
Two field duplicate pairs were collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

6010B
Two field duplicate pairs were collected and analyzed. All RPDs were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. While the reporting limits were not achieved in accordance with the UFP-QAPP, the achieved reporting limits are acceptable with respect to the Cleanup Goals.

Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in these SDGs.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 467095						
Method: 6010B						
DOOR-N-0.6GE-DG-3 TO 17-220808-L-G	467095-010	WIPE	N	3050B	8/8/2022	S2AVE
DOOR-N-0.6GW-DG-3 TO 17-220808-L-G	467095-002	WIPE	N	3050B	8/8/2022	S2AVE
DOOR-N-0.7GE-INT-16 TO 17-220808-L-CB	467095-012	WIPE	N	3050B	8/8/2022	S2AVE
DOOR-N-0.8GE-PS-17-220808-L-LA	467095-014	WIPE	N	3050B	8/8/2022	S2AVE
DOOR-N-0.8GW-DG-3 TO 17-220808-L-G	467095-004	WIPE	N	3050B	8/8/2022	S2AVE
DOOR-N-0.9GW-DG-4 TO 17-220808-L-LA	467095-007	WIPE	N	3050B	8/8/2022	S2AVE
Method: 8082						
DOOR-N-0.6GE-DG-3 TO 17-220808-P-DUP-G	467095-009	WIPE	FD	3572M	8/8/2022	S2AVE
DOOR-N-0.6GE-DG-3 TO 17-220808-P-G	467095-008	WIPE	N	3572M	8/8/2022	S2AVE
DOOR-N-0.6GW-DG-3 TO 17-220808-P-G	467095-001	WIPE	N	3572M	8/8/2022	S2AVE
DOOR-N-0.7GE-INT-16 TO 17-220808-P-CB	467095-011	WIPE	N	3572M	8/8/2022	S2AVE
DOOR-N-0.8GE-PS-17-220808-P-LA	467095-013	WIPE	N	3572M	8/8/2022	S2AVE
DOOR-N-0.8GW-DG-3 TO 17-220808-P-G	467095-003	WIPE	N	3572M	8/8/2022	S2AVE
DOOR-N-0.9GW-DG-4 TO 17-220808-P-DUP-LA	467095-006	WIPE	FD	3572M	8/8/2022	S2AVE
DOOR-N-0.9GW-DG-4 TO 17-220808-P-LA	467095-005	WIPE	N	3572M	8/8/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 467095						
Method: 6010B						
DOOR-N-0.6GE-DG-3 TO 17-220808-L-G	467095-010	WIPE	N	3050B	8/8/2022	S2AVE
DOOR-N-0.6GW-DG-3 TO 17-220808-L-G	467095-002	WIPE	N	3050B	8/8/2022	S2AVE
DOOR-N-0.7GE-INT-16 TO 17-220808-L-CB	467095-012	WIPE	N	3050B	8/8/2022	S2AVE
DOOR-N-0.8GE-PS-17-220808-L-LA	467095-014	WIPE	N	3050B	8/8/2022	S2AVE
DOOR-N-0.8GW-DG-3 TO 17-220808-L-G	467095-004	WIPE	N	3050B	8/8/2022	S2AVE
DOOR-N-0.9GW-DG-4 TO 17-220808-L-LA	467095-007	WIPE	N	3050B	8/8/2022	S2AVE
Method: 8082						
DOOR-N-0.6GE-DG-3 TO 17-220808-P-DUP-G	467095-009	WIPE	FD	3572M	8/8/2022	S2AVE
DOOR-N-0.6GE-DG-3 TO 17-220808-P-G	467095-008	WIPE	N	3572M	8/8/2022	S2AVE
DOOR-N-0.6GW-DG-3 TO 17-220808-P-G	467095-001	WIPE	N	3572M	8/8/2022	S2AVE
DOOR-N-0.7GE-INT-16 TO 17-220808-P-CB	467095-011	WIPE	N	3572M	8/8/2022	S2AVE
DOOR-N-0.8GE-PS-17-220808-P-LA	467095-013	WIPE	N	3572M	8/8/2022	S2AVE
DOOR-N-0.8GW-DG-3 TO 17-220808-P-G	467095-003	WIPE	N	3572M	8/8/2022	S2AVE
DOOR-N-0.9GW-DG-4 TO 17-220808-P-DUP-LA	467095-006	WIPE	FD	3572M	8/8/2022	S2AVE
DOOR-N-0.9GW-DG-4 TO 17-220808-P-LA	467095-005	WIPE	N	3572M	8/8/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 467181						
Method: 6010B						
220809-L-MEDBLANK	467181-016	WIPE	FB	3050B	8/9/2022	S2AVE
DOOR-N-0.5GW-INT-1 TO 16-220809-L-CB	467181-002	WIPE	N	3050B	8/9/2022	S2AVE
DOOR-N-0.7GE-PS-16-220809-L-DUP-LA	467181-012	WIPE	FD	3050B	8/9/2022	S2AVE
DOOR-N-0.7GE-PS-16-220809-L-LA	467181-011	WIPE	N	3050B	8/9/2022	S2AVE
DOOR-N-0.7GW-EXT-2 TO 3-220809-L-CB	467181-006	WIPE	N	3050B	8/9/2022	S2AVE
DOOR-N-0.7GW-EXT-2 TO 3-220809-L-DUP-CB	467181-007	WIPE	FD	3050B	8/9/2022	S2AVE
DOOR-N-0.7GW-PS-16-220809-L-LA	467181-004	WIPE	N	3050B	8/9/2022	S2AVE
DOOR-N-0.9GE-INT-1 TO 16-220809-L-CB	467181-014	WIPE	N	3050B	8/9/2022	S2AVE
DOOR-N-0.9GW-INT-1 TO 16-220809-L-CB	467181-009	WIPE	N	3050B	8/9/2022	S2AVE
Method: 8082						
220809-P-MEDBLANK	467181-015	WIPE	FB	3572M	8/9/2022	S2AVE
DOOR-N-0.5GW-INT-1 TO 16-220809-P-CB	467181-001	WIPE	N	3572M	8/9/2022	S2AVE
DOOR-N-0.7GE-PS-16-220809-P-LA	467181-010	WIPE	N	3572M	8/9/2022	S2AVE
DOOR-N-0.7GW-EXT-2 TO 3-220809-P-CB	467181-005	WIPE	N	3572M	8/9/2022	S2AVE
DOOR-N-0.7GW-PS-16-220809-P-LA	467181-003	WIPE	N	3572M	8/9/2022	S2AVE
DOOR-N-0.9GE-INT-1 TO 16-220809-P-CB	467181-013	WIPE	N	3572M	8/9/2022	S2AVE
DOOR-N-0.9GW-INT-1 TO 16-220809-P-CB	467181-008	WIPE	N	3572M	8/9/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (9/30/2022) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 467435						
Method: 6010B						
DOOR-N-0.7GE-PS-19-220815-L-G	467435-002	WIPE	N	3050B	~~8/15/2022~~	S2AVE
DOOR-N-0.7GW-PS-19-220815-L-G	467435-001	WIPE	N	3050B	8/15/2022	S2AVE

Crossed out Sample IDs not collected in the High Occupancy Area of Zone 1

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (9/30/2022) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*

Validation Label Legend

Label Code	*Label Decription*	*EPA Level*
S1VE	Stage_1_Validation_Electronic	N/A
S1VM	Stage_1_Validation_Manual	N/A
S1VEM	Stage_1_Validation_Electronic_and_Manual	N/A
S2AVE	Stage_2A_Validation_Electronic	Level 3 w/o calibration
S2AVM	Stage_2A_Validation_Manual	Level 3 w/o calibration
S2AVEM	Stage_2A_Validation_Electronic_and_Manual	Level 3 w/o calibration
S2BVE	Stage_2B_Validation_Electronic	Level 3 with calibration
S2BVM	Stage_2B_Validation_Manual	Level 3 with calibration
S2BVEM	Stage_2B_Validation_Electronic_and_Manual	Level 3 with calibration
S3VE	Stage_3_Validation_Electronic	Level 4
S3VM	Stage_3_Validation_Manual	Level 4
S3VEM	Stage_3_Validation_Electronic_and_Manual	Level 4
S4VE	Stage_4_Validation_Electronic	Level 4
S4VM	Stage_4_Validation_Manual	Level 4
S4VEM	Stage_4_Validation_Electronic_and_Manual	Level 4
NV	Not_Validated	N/A

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: 467095

Laboratory: Enthalpy Orange

EDD Filename: Prep467095

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 467181

Laboratory: Enthalpy Orange

EDD Filename: Prep467181

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 467435

Laboratory: Enthalpy Orange

EDD Filename: Prep467435

eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control
Outlier Reports

467095

(No Outliers)

LDC #: 54868A3b
SDG #: 467095
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 9/30/2022
Page: ___ of ___
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	A	MB
V.	Field blanks	N	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	LCS/LCSD
IX.	Field duplicates	ND	FD = 6/5, 4/3
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.6GW-DG-3 TO 17-220808-P-G	467095-001	Wipe	08/08/22
2	DOOR-N-0.8GW-DG-3 TO 17-220808-P-G	467095-003	Wipe	08/08/22
3	DOOR-N-0.9GW-DG-4 TO 17-220808-P-LA	467095-005	Wipe	08/08/22
4	DOOR-N-0.9GW-DG-4 TO 17-220808-P-DUP-LA	467095-006	Wipe	08/08/22
5	DOOR-N-0.6GE-DG-3 TO 17-220808-P-G	467095-008	Wipe	08/08/22
6	DOOR-N-0.6GE-DG-3 TO 17-220808-P-DUP-G	467095-009	Wipe	08/08/22
7	DOOR-N-0.7GE-INT-16 TO 17-220808-P-CB	467095-011	Wipe	08/08/22
8	DOOR-N-0.8GE-PS-17-220808-P-LA	467095-013	Wipe	08/08/22
9				
10				
11				
12				
13				

Notes:

LDC #: 54868A4b

SDG #: 467095

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 9/20/2022

Page: ___ of ___

Reviewer: BN

2nd Reviewer: [signature]

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	MB
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	N	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.6GW-DG-3 TO 17-220808-L-G	467095-002	Wipe	08/08/22
2	DOOR-N-0.8GW-DG-3 TO 17-220808-L-G	467095-004	Wipe	08/08/22
3	DOOR-N-0.9GW-DG-4 TO 17-220808-L-LA	467095-007	Wipe	08/08/22
4	DOOR-N-0.6GE-DG-3 TO 17-220808-L-G	467095-010	Wipe	08/08/22
5	DOOR-N-0.7GE-INT-16 TO 17-220808-L-CB	467095-012	Wipe	08/08/22
6	DOOR-N-0.8GE-PS-17-220808-L-LA	467095-014	Wipe	08/08/22
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

Quality Control
Outlier Reports

467181

LDC #: 54868B3b

SDG #: 467181

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 9/30/2022

Page: ___ of ___

Reviewer: [signature]

2nd Reviewer: [signature]

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	A	MB
V.	Field blanks	ND	FB = 7
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	LCS/LCSD
IX.	Field duplicates	N	
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.5GW-INT-1 TO 16-220809-P-CB	467181-001	Wipe	08/09/22
2	DOOR-N-0.7GW-PS-16-220809-P-LA	467181-003	Wipe	08/09/22
3	DOOR-N-0.7GW-EXT-2 TO 3-220809-P-CB	467181-005	Wipe	08/09/22
4	DOOR-N-0.9GW-INT-1 TO 16-220809-P-CB	467181-008	Wipe	08/09/22
5	DOOR-N-0.7GE-PS-16-220809-P-LA	467181-010	Wipe	08/09/22
6	DOOR-N-0.9GE-INT-1 TO 16-220809-P-CB	467181-013	Wipe	08/09/22
7	DOOR-P-MEDBLANK	467181-015	Wipe	08/09/22
8				
9				
10				
11				
12				
13				

Notes:

LDC #: 54868B4b
SDG #: 467181
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 9/30/2022
Page: of
Reviewer: BM
2nd Reviewer: CF

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	MB
V.	Field Blanks	SW	FB= 9 , Result = 7.8 no Qual
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	SW	FD= 4/3, 7/6
XI.	Target Analyte Quantitation	N	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.5GW-INT-1 TO 16-220809-L-CB	467181-002	Wipe	08/09/22
2	DOOR-N-0.7GW-PS-16-220809-L-LA	467181-004	Wipe	08/09/22
3	DOOR-N-0.7GW-EXT-2 TO 3-220809-L-CB	467181-006	Wipe	08/09/22
4	DOOR-N-0.7GW-EXT-2 TO 3-220809-L-DUP-CB	467181-007	Wipe	08/09/22
5	DOOR-N-0.9GW-INT-1 TO 16-220809-L-CB	467181-009	Wipe	08/09/22
6	DOOR-N-0.7GE-PS-16-220809-L-LA	467181-011	Wipe	08/09/22
7	DOOR-N-0.7GE-PS-16-220809-L-DUP-LA	467181-012	Wipe	08/09/22
8	DOOR-N-0.9GE-INT-1 TO 16-220809-L-CB	467181-014	Wipe	08/09/22
9	DOOR-L-MEDBLANK	467181-016	Wipe	08/09/22
10				
11				
12				
13				
14				
15				

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 467181

Laboratory: Enthalpy Orange

EDD Filename: Prep467181

Moffett_Hangar_1_NTCRA_Enthalpy_220609

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	220809-L-MEDBLANK	7.8	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: 467181 **Laboratory: Enthalpy Orange**

EDD Filename: Prep467181 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	DOOR-N-0.7GE-PS-16-220809-L-LA	**DOOR-N-0.7GE-PS-16-220809-L-DUP-**			
LEAD	250	140	56	100.00	No Qualifiers Applied

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	DOOR-N-0.7GW-EXT-2 TO 3-220809-L-CB	**DOOR-N-0.7GW-EXT-2 TO 3-220809-L-DUP-CB**			
LEAD	54	66	20	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Quality Control Outlier Reports

467435

(No Outliers)

Samples from SDG 467435 not collected in High Occupancy Area of Zone 1

LDC #: 54868D4b

SDG #: 467435

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 9/30/2022

Page: of

Reviewer:

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	MB
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	N	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.7GW-PS-19-220815-L-G	467435-001	Wipe	08/15/22
2	DOOR-N-0.7GE-PS-19-220815-L-G	467435-002	Wipe	08/15/22
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA - 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

February 28, 2023

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fraction listed below. These SDGs were received on August 31, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #54874 RV2:

SDG #	Fraction
467767	Polychlorinated Biphenyls, Lead
467769	
467771	
467774	

The data validation was performed under Stage 2A & 3 guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
Project Manager/Senior Chemist
pgeng@lab-data.com

200 pages-ADV EDD

Attachment 1

Stage 2A/3 (client select) **LDC# 54874 (Rincon Consultants, Inc., Los Angeles, CA / Hanger 1 NTCRA)** **Project# 20-10491**

LDC	SDG#	DATE REC'D	(3) DATE DUE	PCBs (8082)		Pb (6010B)																													
Matrix:	Wipe			W	WP	W	WP	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	467767	08/31/22	09/22/22	0	1	0	1																												
B	467769	08/31/22	09/22/22	0	2	0	4																												
C	467771	08/31/22	09/22/22	0	4	0	4																												
D	467774	08/31/22	09/22/22	0	4	0	4																												
Total	TR/PG			0	11	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24

Shaded cells indicate Stage 3 validation (all other cells are Stage 2A validation). Sample counts do not include MS, MSD, and DUP's. V:\LOGIN\Rincon\Moffett Field, Hanger 1 NTCRA\54874ST-Wipe.wpd

LDC Report# 54874_RV1

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Groups

467767
467769
467771
467774

October 19, 2022

Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the August 2022 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by EPA SW 846 Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results. Selected samples were subjected to Stage 3 data validation as indicated on the Sample Summary Report. Stage 3 data validation is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

NJ Presumptive evidence of presence of the compound at an estimated quantity.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082
The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for all analytes.

Initial calibration data were not reviewed for Stage 2A validation.

6010B
An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Initial calibration data were not reviewed for Stage 2A validation.

Continuing Calibration

8082
Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes with the following exceptions:

SDG	Date	Analyte	%D	Associated Samples	Affected Analyte	Flag	A or P
467767	08/26/22	Aroclor-1260	21	All samples in SDG 467767	Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262 Aroclor-1268	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A
467769	08/26/22	Aroclor-1260	21	DOOR-N-0.1GE-EXT-5 TO 6-220822-P-CB	Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262 Aroclor-1268	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A

SDG	Date	Analyte	%D	Associated Samples	Affected Analyte	Flag	A or P
467771	08/26/22	Aroclor-1260	21	DOOR-N-0.3GE-PS-20-220822-P-LA DOOR-N-0.4GE-PS-20-220822-P-G ARCH-C1E-EXT-5 TO 6-220822-P-WF	Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262 Aroclor-1268	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Continuing calibration data were not reviewed for Stage 2A validation.

6010B
Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

Continuing calibration data were not reviewed for Stage 2A validation.

ICP Interference Check Sample Analysis

6010B
The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

Although lead was found in the ICSA standard, no qualification was necessary since the interferent concentrations in the samples were less than ninety percent of the spiked interference concentrations in the ICSA.

Interference check sample (ICS) analysis data were not reviewed for Stage 2A validation.

Laboratory Blanks

8082
Laboratory blanks were performed as required by the method. No contaminants were detected in the laboratory blanks.

6010B
Laboratory blanks were performed as required by the method. No contaminants were detected in the laboratory blanks.

Field Blanks

8082
One media blank was collected and analyzed. No contaminants were found.

6010B
One media blank was collected and analyzed. One media blank had detections for lead. The associated sample results were qualified as non-detected (U) due to media blank contamination as applicable. The sample results that were not detected or were significantly greater than the concentrations found in the associated blanks were not qualified. The details are presented in Enclosure I.

Surrogate Spikes

8082
Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Internal Standards

8082
All internal standard areas and retention times were within QC limits.

Internal standard data were not reviewed for Stage 2A validation.

Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for these methods, and therefore matrix spike and matrix spike duplicate analyses were not performed.

Duplicate Sample Analysis

6010B
The laboratory has indicated that there were no laboratory duplicate (DUP) analyses specified for this method, and therefore laboratory duplicate analyses were not performed.

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

Field Duplicates

8082
No field duplicates were identified in these SDGs.

6010B
Two field duplicate pairs were collected and analyzed. All RPDs were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Target Analyte Quantitation

8082
The laboratory reporting limits were evaluated. While the reporting limits were not achieved in accordance with the UFP-QAPP, the achieved reporting limits are acceptable with respect to the Cleanup Goals.

6010B
The laboratory reporting limits were evaluated. All laboratory reporting limits met the specified requirements.

Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in these SDGs.

Due to continuing calibration %D, data were qualified as estimated in five samples.

Due to media blank contamination, data were qualified as not detected in one sample.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 467767						
Method: 6010B						
220822-L-MEDBLANK	467767-002	WIPE	FB	~~3050B~~	8/22/2022	S2AVE
Method: 8082						
220822-P-MEDBLANK	467767-001	WIPE	FB	~~3572M~~	8/22/2022	S2AVE

Crossed out Sample IDs not collected in the High Occupancy Area of Zone 1

Data Review Sample Summary Report by Analysis Method

Reviewed By: **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 467769						
Method: 6010B						
AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-L-DUP-WF	467769-003	WIPE	FD	3050B	8/22/2022	S3VEM
AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-L-WF	467769-002	WIPE	N	3050B	8/22/2022	S3VEM
~~DOOR-N-0.1GE-EXT-5 TO 6-220822-L-CB~~	~~467769-005~~	~~WIPE~~	~~N~~	~~3050B~~	~~8/22/2022~~	~~S3VEM~~
~~DOOR-N-0.1GE-EXT-5 TO 6-220822-L-DUP-CB~~	~~467769-006~~	~~WIPE~~	~~FD~~	~~3050B~~	~~8/22/2022~~	~~S3VEM~~
Method: 8082						
AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-P-WF	467769-001	WIPE	N	3572M	8/22/2022	S3VEM
~~DOOR-N-0.1GE-EXT-5 TO 6-220822-P-CB~~	~~467769-004~~	~~WIPE~~	~~N~~	~~3572M~~	~~8/22/2022~~	~~S3VEM~~

Crossed out Sample IDs not collected in the High Occupancy Area of Zone 1

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 467769						
Method: 6010B						
AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-L-DUP-WF	467769-003	WIPE	FD	3050B	8/22/2022	S3VEM
AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-L-WF	467769-002	WIPE	N	3050B	8/22/2022	S3VEM
~~DOOR-N-0.1GE-EXT-5 TO 6-220822-L-CB~~	~~467769-005~~	~~WIPE~~	~~N~~	~~3050B~~	~~8/22/2022~~	~~S3VEM~~
~~DOOR-N-0.1GE-EXT-5 TO 6-220822-L-DUP-CB~~	~~467769-006~~	~~WIPE~~	~~FD~~	~~3050B~~	~~8/22/2022~~	~~S3VEM~~
Method: 8082						
AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-P-WF	467769-001	WIPE	N	3572M	8/22/2022	S3VEM
~~DOOR-N-0.1GE-EXT-5 TO 6-220822-P-CB~~	~~467769-004~~	~~WIPE~~	~~N~~	~~3572M~~	~~8/22/2022~~	~~S3VEM~~

Crossed out Sample IDs not collected in the High Occupancy Area of Zone 1

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 467771						
Method: 6010B						
ARCH-C1E-EXT-5 TO 6-220822-L-WF	467771-006	WIPE	N	3050B	8/22/2022	S2AVE
DOOR-N-0.2GE-PS-19-220822-L-G	467771-008	WIPE	N	3050B	8/22/2022	S2AVE
DOOR-N-0.3GE-PS-20-220822-L-LA	467771-002	WIPE	N	3050B	8/22/2022	S2AVE
DOOR-N-0.4GE-PS-20-220822-L-G	467771-004	WIPE	N	3050B	8/22/2022	S2AVE
Method: 8082						
ARCH-C1E-EXT-5 TO 6-220822-P-WF	467771-005	WIPE	N	3572M	8/22/2022	S2AVE
DOOR-N-0.2GE-PS-19-220822-P-G	467771-007	WIPE	N	3572M	8/22/2022	S2AVE
DOOR-N-0.3GE-PS-20-220822-P-LA	467771-001	WIPE	N	3572M	8/22/2022	S2AVE
DOOR-N-0.4GE-PS-20-220822-P-G	467771-003	WIPE	N	3572M	8/22/2022	S2AVE

Crossed out Sample IDs not collected in the High Occupancy Area of Zone 1

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 467774						
Method: 6010B						
ARCH-C1E-INT-6.5 TO 7.5-220822-L-WF	467774-008	WIPE	N	3050B	8/22/2022	S2AVE
ARCH-C1E-PS-6.5-220822-L-G	467774-006	WIPE	N	3050B	8/22/2022	S2AVE
DOOR-N-0.2GE-DG-4 TO 18-220822-L-LA	467774-002	WIPE	N	3050B	8/22/2022	S2AVE
DOOR-N-0.5GE-EXT-4 TO 5-220822-L-CB	467774-004	WIPE	N	3050B	8/22/2022	S2AVE
Method: 8082						
ARCH-C1E-INT-6.5 TO 7.5-220822-P-WF	467774-007	WIPE	N	3572M	8/22/2022	S2AVE
ARCH-C1E-PS-6.5-220822-P-G	467774-005	WIPE	N	3572M	8/22/2022	S2AVE
DOOR-N-0.2GE-DG-4 TO 18-220822-P-LA	467774-001	WIPE	N	3572M	8/22/2022	S2AVE
DOOR-N-0.5GE-EXT-4 TO 5-220822-P-CB	467774-003	WIPE	N	3572M	8/22/2022	S2AVE

Crossed out Sample IDs not collected in the High Occupancy Area of Zone 1

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (9/30/2022) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*

Validation Label Legend

Label Code	*Label Decription*	*EPA Level*
S1VE	Stage_1_Validation_Electronic	N/A
S1VM	Stage_1_Validation_Manual	N/A
S1VEM	Stage_1_Validation_Electronic_and_Manual	N/A
S2AVE	Stage_2A_Validation_Electronic	Level 3 w/o calibration
S2AVM	Stage_2A_Validation_Manual	Level 3 w/o calibration
S2AVEM	Stage_2A_Validation_Electronic_and_Manual	Level 3 w/o calibration
S2BVE	Stage_2B_Validation_Electronic	Level 3 with calibration
S2BVM	Stage_2B_Validation_Manual	Level 3 with calibration
S2BVEM	Stage_2B_Validation_Electronic_and_Manual	Level 3 with calibration
S3VE	Stage_3_Validation_Electronic	Level 4
S3VM	Stage_3_Validation_Manual	Level 4
S3VEM	Stage_3_Validation_Electronic_and_Manual	Level 4
S4VE	Stage_4_Validation_Electronic	Level 4
S4VM	Stage_4_Validation_Manual	Level 4
S4VEM	Stage_4_Validation_Electronic_and_Manual	Level 4
NV	Not_Validated	N/A

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: 467767 **Laboratory: Enthalpy Orange**

EDD Filename: Prep467767 **eQAPP Name:**

Method Category: **SVOA**

Method: **8082** ***Matrix:*** **WIPE**

Sample ID: **220822-P-MEDBLANK** ***Collected:*** **8/22/2022 12:00:00 AM** ***Analysis Type:*** **RES** ***Dilution:*** **1.000**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 467769 **Laboratory: Enthalpy Orange**

EDD Filename: Prep467769 **eQAPP Name:**

Method Category: **SVOA**

Method: **8082** ***Matrix:*** **WIPE**

Sample ID: **DOOR-N-0.1GE-EXT-5 TO 6-220822-P-CB** ***Collected:*** **8/22/2022 12:00:00 AM** ***Analysis Type:*** **RES** ***Dilution:*** **1.000**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 467771 **Laboratory: Enthalpy Orange**

EDD Filename: Prep467771 **eQAPP Name:**

Method Category: **METALS**

Method: **6010B** ***Matrix:*** **WIPE**

Sample ID: **DOOR-N-0.4GE-PS-20-220822-L-G** ***Collected:*** **8/22/2022 12:00:00 AM** ***Analysis Type:*** **RES** ***Dilution:*** **1.000**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	18		0.47	CRQL	0.47	CRQL	ug/ft2	U	Fb

Method Category: **SVOA**

Method: **8082** ***Matrix:*** **WIPE**

Sample ID: **ARCH-C1E-EXT-5 TO 6-220822-P-WF** ***Collected:*** **8/22/2022 12:00:00 AM** ***Analysis Type:*** **RES** ***Dilution:*** **1.000**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

Sample ID: **DOOR-N-0.3GE-PS-20-220822-P-LA** ***Collected:*** **8/22/2022 12:00:00 AM** ***Analysis Type:*** **RES** ***Dilution:*** **1.000**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

Sample ID: **DOOR-N-0.4GE-PS-20-220822-P-G** ***Collected:*** **8/22/2022 12:00:00 AM** ***Analysis Type:*** **RES** ***Dilution:*** **1.000**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 467771 **Laboratory: Enthalpy Orange**

EDD Filename: Prep467771 **eQAPP Name:**

Method Category: **SVOA**

Method: **8082** ***Matrix:*** **WIPE**

Sample ID: **DOOR-N-0.4GE-PS-20-220822-P-G** ***Collected:*** **8/22/2022 12:00:00 AM** ***Analysis Type:*** **RES** ***Dilution:*** **1.000**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 467774

Laboratory: Enthalpy Orange

EDD Filename: Prep467774

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 467769 **Laboratory: Enthalpy Orange**

EDD Filename: Prep467769 **eQAPP Name:**

Reason Code Legend

Reason Code	*Description*
Ccv	Continuing Calibration Verification Percent Recovery Upper Estimation

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Enclosure I

Validation Outlier Reports

Quality Control Outlier Reports

467767

Samples from SDG 467767 not collected in High Occupancy Area of Zone 1

LDC #: 54874A3b
SDG #: 467767
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 9/8/22
Page: 1 of 1
Reviewer:
2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	A / A	%D / ICV ≤ 20
III.	Continuing calibration	SW	CCV ≤ 20
IV.	Laboratory Blanks	A	
V.	Field blanks	ND	MED BLANK = 1
VI.	Surrogate spikes 1/5	A/A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	LCS ID
IX.	Field duplicates	N	
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	220822-P-MEDBLANK	467767-001	Wipe	08/22/22
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				

Notes:

295632

LDC #: 54874A3b

VALIDATION FINDINGS CHECKLIST

Reviewer: FT

Method: ✓GC HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥0.990?			✓	
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?		✓		
Were all the retention times within the acceptance windows?	✓			
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
V. Field Blanks				
Were field blanks identified in this SDG?	✓			
Were target analytes detected in the field blanks?		✓		
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓	✓		
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?			✓	
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 54874A3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT

METHOD: ✓ GC __ HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
What type of continuing calibration calculation was performed? ___%D or ___%R
Y N N/A Were continuing calibration standards analyzed at the required frequencies?
Y N N/A Did the continuing calibration standards meet the %D / %R validation criteria of ≤20.0% / 80-120%?
Level IV Only
Y N N/A Were the retention times for all calibrated compounds within their respective acceptance windows?

#	Date	Standard ID	Detector/ Column	Compound	%D (Limit ≤ 20.0)	RT (limit)	Associated Samples	Qualifications
	8/26/22 1356	CCV	ch B	BB	21		All	J/UJ/A ND qual Z, AA, BB
								Arochlor 1262 + Aroclor 1260

LDC #: 54874A3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer: _____

METHOD: GC ✓ HPLC _____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (50U std)	Recalculated CF (50U std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
1	ICAL 9606	4/14/22	1260-1 chA	0.0604	0.0604	0.0629	0.0629	17	17
			↓ chB	0.0578	0.0578	0.0605	0.0605	17	17
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54874A3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of target analyte
C = Concentration of target analyte

#	Standard ID	Calibration Date	Target Analyte	Average CF(Ical)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	CCV	8/26/97 1356	Aroclor 1260 chA	500.6	569.3	569.3	14	14
			chB	500.0	605.4	605.4	21	21
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54874 A3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: ✓ GC ___ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: 1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	ch Δ	1.0	0.7869	79	79	0
DCB	↓	1.0	0.6654	67	67	0

Sample ID:

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 54874 A3b

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: ✓ GC __HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
LCS = Laboratory Control Sample
SA = Spike added
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 295632 LCSD

Compound	Spike Added (ug/100 gm²)		Spike Sample Concentration (ug/100 gm²)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.0	5.0	5.648	6.161	113	113	123	123	9	9

Comments: _____

LDC #: 54874A3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

Concentration= (A)(Fv)(Df) / (RF)(Vs or Ws)(%S/100)

A= Area or height of the target analyte to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the target analyte in the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. 295632 LCS Aroclor 1260

Concentration = $\frac{564.84\ (10)}{(1000)}$ =

5.6484

#	Sample ID	Target analyte	Reported Concentrations (ug/100 gm)2	Recalculated Results Concentrations (ug/100 gm)2	Qualifications
	LCS	Aroclor 1260	5.648	5.6484	
	1260-1 = 3104121.667 (20.0) / F7 9623 1063.159 (0.0629)	= 559.0		1260-1 =	559.0
	176 5533.69			2 =	540.2
				3 =	541.4
				4 =	6200
				5 =	563.6
					564.84

Comments: _____

LDC #: 54874A4b
SDG #: 467767
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 9/29/22
Page: 1 of 1
Reviewer: ATV
2nd Reviewer: CL

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	A	
V.	Field Blanks	SW	MEDBLANK = 1
VI.	Matrix Spike/Matrix Spike Duplicates	N	C,S
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	A	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	220822-L-MEDBLANK	467767-002	Wipe	08/22/22
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
Were all water samples preserved to a pH of <2.			✓	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			✓	
Were %RSDs of isoptoes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily?	✓			
Were the proper standards used?	✓			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low level standard checks within 70-130%?			✓	
Were all initial calibration correlation coefficients within limits as specifed by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?		✓		
V. Interference Check Sample				
Were the interference check samples performed daily?	✓			
Were the AB solution recoveries within 80-120%?	✓			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			✓	
VII. Laboratory Control Samples				
SDG?	✓			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	✓			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			✓	
If the recoveries were outside the limits, was a reanalysis performed?			✓	
IX. Serial Dilution				
Were all percent differences <10%?			✓	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
XIII. Field Blanks				
Were field blanks identified in this SDG?	✓			
Were target analytes detected in the field blanks?	✓			

LDC #: 54874A4b

VALIDATION FINDINGS WORKSHEET
ICP Interference Check Sample

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were ICP interference check samples performed as required?

(Y) N N/A Were the AB solution percent recoveries (%R) within the control limits of 80-120% ?

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Date	ICS Identification	Analyte	Finding	Associated Samples	Qualifications
	8/23/22	ICSA (10:13)	Pb	0.005544 (≤ 0.003333)	all	no qual (sample interferents < ICSA)

Comments:

Field Blank Contamination Report

Lab Reporting Batch ID: 467767

Laboratory: Enthalpy Orange

EDD Filename: Prep467767

Moffett_Hangar_1_NTCRA_Enthalpy_220609

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	220822-L-MEDBLANK	3.6	No Qualifiers Applied

LDC #: 54874A4b

VALIDATION FINDINGS WORKSHEET
Field Blanks

Reviewer: ATL

METHOD: Trace Metals (EPA SW846 6010/6020/7000)

Blank units: ug/ft2 **Associated sample units:** ug/ft2
Sampling date: 08/22/22 Soil factor applied _____
Field blank type: (circle one) Field Blank / Rinsate / Other: MEDBLANK Associated Samples: _____

Analyte	Blank ID	Sample Identification										
	1	Action Limit										
Pb	3.6											

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
Samples with analyte concentrations within five times the associated field blank concentration are listed above, these sample results were qualified as not detected, "U".

LDC #: 54874A4b

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Reviewer: ATV

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$$\%R = \frac{\text{Found}}{\text{True}} \times 100$$

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (~~ug/L~~ mg/L)	True (~~ug/L~~ mg/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration)	Pb	1.041	1.000	104	104	Y
	ICP/MS (Initial calibration)						
	CVAA (Initial calibration)						
CCV	ICP (Continuing calibration) 8/23 @ 12:49	Pb	1.072	1.000	107	107	Y
	ICP/MS (Continuing calibration)						
	CVAA (Continuing calibration)						

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 54874A4b

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units) (µg/ft²)	True / D / SDR (units) (µg/ft²)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check	Pb	1.041 mg/L	1.000 mg/L	104	104	Y
LCS	Laboratory control sample	Pb	101.7963	100.00	102	102	Y
	Matrix spike		(SSR-SR)				
	Duplicate						
	Post digestion spike						
	ICP serial dilution						

Comments: _____

LDC #: 54874A46

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Pb were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

Recalculation:

$0.0356 \times 100 = 3.56$

#	Sample ID	Analyte	Reported Concentration (µg/kg)	Calculated Concentration (µg/kg)	Acceptable (Y/N)
	1	Pb	3.6	3.56	Y

Note: _____

Quality Control
Outlier Reports

467769

The following samples from SDG 467767 not collected in High Occupancy Area of Zone 1:
DOOR-N-0.1GE-EXT-5 TO 6-220822-P-CB
DOOR-N-0.1GE-EXT-5 TO 6-220822-L-CB
DOOR-N-0.1GE-EXT-5 TO 6-220822-L-DUP-CB

Field Duplicate RPD Report

Lab Reporting Batch ID: 467769 **Laboratory: Enthalpy Orange**

EDD Filename: Prep467769 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-L-	AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-L-			
LEAD	46	58	23	100.00	No Qualifiers Applied

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	DOOR-N-0.1GE-EXT-5 TO 6-220822-L-CB	DOOR-N-0.1GE-EXT-5 TO 6-220822-L-DUP-CB			
LEAD	66	130	65	100.00	No Qualifiers Applied

LDC #: 54874B3b

SDG #: 467769

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 9/9/22

Page: 1 of 1

Reviewer: [illegible]

2nd Reviewer: [illegible]

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	A / A	%D RSD / ICV ≤ 20
III.	Continuing calibration	SW	CCV ≤ 20
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes 1/5	A / A	
VII.	Matrix spike/Matrix spike duplicates	N	CS
VIII.	Laboratory control samples	A	LCS ID
IX.	Field duplicates	N	
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-P-WF	467769-001	Wipe	08/22/22
2 2	DOOR-N-0.1GE-EXT-5 TO 6-220822-P-CB	467769-004	Wipe	08/22/22
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				

Notes:

1	295971						
2	295632						

LDC #: 54874D3b

VALIDATION FINDINGS CHECKLIST

Reviewer: FT

Method: ~~GC~~ HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥0.990?			✓	
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?		✓		
Were all the retention times within the acceptance windows?		✓		
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
V. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?			✓	
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 54874B3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: FT

METHOD: ✓ GC __ HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
What type of continuing calibration calculation was performed? ___%D or ___%R
Y N N/A Were continuing calibration standards analyzed at the required frequencies?
Y N N/A Did the continuing calibration standards meet the %D / %R validation criteria of ≤20.0% / 80-120%?
Level IV Only
Y N N/A Were the retention times for all calibrated compounds within their respective acceptance windows?

#	Date	Standard ID	Detector/ Column	Compound	%D (Limit ≤ 20.0)	RT (limit)	Associated Samples	Qualifications
B2	8/26/22 1356	CCV	ch B	BB	21		2, 295632-MB	J/UJ/A ND qual Z, AA, BB, Aroclor 1262 + Aroclor 1268

LDC #: 54874B3h

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC ✓ HPLC ____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (500 std)	Recalculated CF (500 std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
B2	ICAL	4/14/22	1260-1 ch A	0.0604	0.0604	0.0629	0.0629	17	17
B1	GC06		V ch B	0.0578	0.0578	0.0605	0.0605	17	17
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54874B3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of target analyte
C = Concentration of target analyte

#	Standard ID	Calibration Date	Target Analyte	Average CF(Ical)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
B2	CCV	8/26/22 1356	Aroclor 1260 ch A	500.0	569.3	569.3	14	14
			ch B	↓	605.4	605.4	21	21
B4	CCV	8/30/22 1454	↓	↓	469.4	469.4	6	6
					484.9	484.9	3	3
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54874B3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	ch B	1.0	0.7918	79	79	0
DCB	↓	1.0	0.6448	64	64	0

Sample ID: _____

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 54874B3b

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: ✓ GC __HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
LCS = Laboratory Control Sample
SA = Spike added
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 295632 LCS ID

Compound	Spike Added (ug/100 cm2)		Spike Sample Concentration (ug/100 cm2)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.0	5.0	5.648	6.161	113	113	123	123	9	9

Comments: _____

LDC #: 54874B3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

Concentration= $\frac{(A)(Fv)(Df)}{(RF)(Vs \text{ or } Ws)(\%S/100)}$

Example: QC100895

Sample ID. 295632 LCS Aroclor 1260

A= Area or height of the target analyte to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the target analyte In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Concentration = $\frac{564.84 \ (10)}{(1000)}$ =

5.6484

#	Sample ID	Target analyte	Reported Concentrations (ug/100 gm) 3	Recalculated Results Concentrations (ug/100 gm) 2	Qualifications
	LCS	Aroclor 1260	5.648	5.6484	
	1260-1 = $\frac{3104121.667 \ (20.0)}{17655 \ 33.69 \ (0.0629)}$ =		559.0	1260-1 =	559.0
				2 =	540.2
				3 =	541.4
				4 =	620.0
				5 =	563.6

Comments: _____

LDC #: 54874B4b

SDG #: 467769

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 9/29/22

Page: 1 of 1

Reviewer: ATV

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	A	
V.	Field Blanks	SW	MEDBLANK = 220822-L-MEDBLANK (From SDG # 467767)
VI.	Matrix Spike/Matrix Spike Duplicates	N	C.S
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	SW	(1,2), (3,4) - ADR
XI.	Target Analyte Quantitation	A	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-L-WF	467769-002	Wipe	08/22/22
2	AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-L-DUP-WF	467769-003	Wipe	08/22/22
3	DOOR-N-0.1GE-EXT-5 TO 6-220822-L-CB	467769-005	Wipe	08/22/22
4	DOOR-N-0.1GE-EXT-5 TO 6-220822-L-DUP-CB	467769-006	Wipe	08/22/22
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
Were all water samples preserved to a pH of <2.			✓	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			✓	
Were %RSDs of isoptoes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily?	✓			
Were the proper standards used?	✓			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low level standard checks within 70-130%?			✓	
Were all initial calibration correlation coefficients within limits as specifed by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?		✓		
V. Interference Check Sample				
Were the interference check samples performed daily?	✓			
Were the AB solution recoveries within 80-120%?	✓			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			✓	
VII. Laboratory Control Samples				
SDG?	✓			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	✓			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			✓	
If the recoveries were outside the limits, was a reanalysis performed?			✓	
IX. Serial Dilution				
Were all percent differences <10%?			✓	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?	✓			
Were target analytes detected in the field duplicates?	✓			
XIII. Field Blanks				
Were field blanks identified in this SDG?	✓			
Were target analytes detected in the field blanks?	✓			

LDC #: 54874B4b

VALIDATION FINDINGS WORKSHEET
ICP Interference Check Sample

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were ICP interference check samples performed as required?

(Y) N N/A Were the AB solution percent recoveries (%R) within the control limits of 80-120% ?

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Date	ICS Identification	Analyte	Finding	Associated Samples	Qualifications
	8/23/22	ICSA (10:13)	Pb	0.005544 (≤ 0.003333)	all	no qual (sample interferents < ICSA)

Comments: _____

LDC #: 54874B4b

VALIDATION FINDINGS WORKSHEET
Field Blanks

Reviewer: ATL

METHOD: Trace Metals (EPA SW846 6010/6020/7000)

Blank units: ug/ft2 **Associated sample units:** ug/ft2
Sampling date: 08/22/22 Soil factor applied _____
Field blank type: (circle one) Field Blank / Rinsate / Other: MEDBLANK Associated Samples: All

Analyte	Blank ID	Sample Identification										
	220822-L-MEDBLANK	Action Limit										
Pb	3.6	36										

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
Samples with analyte concentrations within five times the associated field blank concentration are listed above, these sample results were qualified as not detected, "U".

LDC #: 54874B4b

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Reviewer: ATV

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration)	Pb	1.041	1.000	104	104	Y
	ICP/MS (Initial calibration)						
	CVAA (Initial calibration)						
CCV	ICP (Continuing calibration) 8/23 @ 13:41	Pb	1.067	1.000	107	107	Y
	ICP/MS (Continuing calibration)						
	CVAA (Continuing calibration)						

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 54874B46

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units)	True / D / SDR (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
			µg/kg	µg/kg			
ICSAB	ICP interference check	Pb	1.041 mg/L	1.000 mg/L	104	104	Y
LCS	Laboratory control sample	Pb	104.602	100.00	105	105	Y
	Matrix spike		(SSR-SR)				
	Duplicate						
	Post digestion spike						
	ICP serial dilution						

Comments: _____

LDC #: 54874B4b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: ATV

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Pb were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

Recalculation: #4

$1.29930470 \times 100 = 129.930$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

#	Sample ID	Analyte	Reported Concentration (µg/kg)	Calculated Concentration (µg/kg)	Acceptable (Y/N)
	1	Pb	46	45.661	Y
	2	Pb	58	58.033	Y
	3	Pb	66	66.488	Y
	4	Pb	130	129.930	Y

lote:

Quality Control
Outlier Reports

467771

Samples from SDG 467771 not collected in High Occupancy Area of Zone 1

Field Blank Outlier Report

Lab Reporting Batch ID: 467771 **Laboratory: Enthalpy Orange**

EDD Filename: Prep467771

Moffett Hangar 1 NTCRA Enthalpy 220609

Method: **6010B**
Matrix: **WIPE**

Field Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
220822-L-MEDBLANK	8/22/2022 12:00:00 AM	LEAD	3.6 ug/ft2	ARCH-C1E-EXT-5 TO 6-220822-L-WF DOOR-N-0.2GE-PS-19-220822-L-G DOOR-N-0.3GE-PS-20-220822-L-LA DOOR-N-0.4GE-PS-20-220822-L-G

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DOOR-N-0.4GE-PS-20-220822-L-G	LEAD	18 ug/ft2	18U ug/ft2

Project Name and Number: 20-10491 - Hangar 1 NTCRA

LDC #: 54874C3b
SDG #: 467771
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 9/9/22
Page: 1 of 1
Reviewer:
2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	A / A	%D ≤20 ICV ≤20
III.	Continuing calibration	SW	% CCV ≤20
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	LCS ID
IX.	Field duplicates	N	
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1 [1]	DOOR-N-0.3GE-PS-20-220822-P-LA	467771-001	Wipe	08/22/22
2	DOOR-N-0.4GE-PS-20-220822-P-G	467771-003	Wipe	08/22/22
3	ARCH-C1E-EXT-5 TO 6-220822-P-WF	467771-005	Wipe	08/22/22
4	DOOR-N-0.2GE-PS-19-220822-P-G	467771-007	Wipe	08/22/22
5				
6				
7				
8				
9				
10				
11				
12				
13				

Notes:

[1]	295632						

LDC #: 54874 e3b

VALIDATION FINDINGS CHECKLIST

Reviewer: FT

Method: ✓GC HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥0.990?			✓	
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?		✓		
Were all the retention times within the acceptance windows?	✓			
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
V. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?			✓	
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 54874 C3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT

METHOD: ✓ GC __ HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
What type of continuing calibration calculation was performed? __%D or __%R
Y N N/A Were continuing calibration standards analyzed at the required frequencies?
Y (N) N/A Did the continuing calibration standards meet the %D / %R validation criteria of ≤20.0% / 80-120%?
Level IV Only
(Y) N N/A Were the retention times for all calibrated compounds within their respective acceptance windows?

#	Date	Standard ID	Detector/ Column	Compound	%D (Limit ≤ 20.0)	RT (limit)	Associated Samples	Qualifications
	8/26/22 1356	CCV	ch B	BB	21		HP3, 29563-MB	J/UJ/A ND qual Z, AA, BB, Aroclor 1262 Aroclor 1268

LDC #: 54874 C3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer: _____

METHOD: GC ✓ HPLC _____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (500 std)	Recalculated CF (500 std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
1	ICAL GC06	4/14/22	1260-1 chA	0.0604	0.0604	0.0629	0.0629	17	17
			↓ chB	0.0578	0.0578	0.0605	0.0605	17	17
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54874 c3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of target analyte
C = Concentration of target analyte

#	Standard ID	Calibration Date	Target Analyte	Average CF(Ical)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	ccv	8/26/22 1356	Aroclor 1260-1 CNA	500.0	569.3	569.3	14	14
			↓ CNB	↓	605.4	605.4	21	21
2	ccv	8/29/22 1818	↓	↓	437.3	437.3	13	13
					476.2	476.2	5	5
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54874C36

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: ✓ GC ___ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	ch Δ	1.0	0.943	94	94	0
DCB	↓	1.0	0.7536	75	75	↓

Sample ID: _____

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 54874 c3b

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: ✓ GC HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
LCS = Laboratory Control Sample
SA = Spike added
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 295632 LCS ID

Compound	Spike Added (ug/100)cm^2		Spike Sample Concentration (ug/100)cm^2		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.0	5.0	5.64	6.161	113	113	123	123	9	9

Comments: _____

LDC #: 54874c3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

METHOD: / GC __ HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

Concentration= (A)(Fv)(Df) / (RF)(Vs or Ws)(%S/100)

A= Area or height of the target analyte to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the target analyte In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. 295632 LCS Aroclor 1260

Concentration = 564.84 (10) / (1000) =

= 5.6484

#	Sample ID	Target analyte	Reported Concentrations (ug / 100 cm²)	Recalculated Results Concentrations (ug / 100 cm²)	Qualifications
	LCS	Aroclor 1260	5.648	5.6484	
	1260-1 = 31041 21.667 (20.0) / 17655 33.69 (0.0629)		= 559.0	1260-1 = 559.0	
				2 = 540.2	
				3 = 541.4	
				4 = 620.0	
				5 = 563.6	

Comments: _____

LDC #: 54874C4b

SDG #: 467771

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 9/29/22

Page: 1 of 1

Reviewer: AL

2nd Reviewer: CL

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	A	
V.	Field Blanks	SW	MEDBLANK = 220822-L-MEDBLANK (From SDG # 467767)
VI.	Matrix Spike/Matrix Spike Duplicates	N	CS
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	A	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.3GE-PS-20-220822-L-LA	467771-002	Wipe	08/22/22
2	DOOR-N-0.4GE-PS-20-220822-L-G	467771-004	Wipe	08/22/22
3	ARCH-C1E-EXT-5 TO 6-220822-L-WF	467771-006	Wipe	08/22/22
4	DOOR-N-0.2GE-PS-19-220822-L-G	467771-008	Wipe	08/22/22
5				
6				
7				
8				
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10				
11				
12				
13				
14				
15				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
Were all water samples preserved to a pH of <2.			✓	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			✓	
Were %RSDs of isoptoes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily?	✓			
Were the proper standards used?	✓			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low level standard checks within 70-130%?			✓	
Were all initial calibration correlation coefficients within limits as specifed by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?		✓		
V. Interference Check Sample				
Were the interference check samples performed daily?	✓			
Were the AB solution recoveries within 80-120%?	✓			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			✓	
VII. Laboratory Control Samples				
SDG?	✓			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	✓			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			✓	
If the recoveries were outside the limits, was a reanalysis performed?			✓	
IX. Serial Dilution				
Were all percent differences <10%?			✓	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
XIII. Field Blanks				
Were field blanks identified in this SDG?	✓			
Were target analytes detected in the field blanks?	✓			

LDC #: 54874C4b

VALIDATION FINDINGS WORKSHEET
ICP Interference Check Sample

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were ICP interference check samples performed as required?

(Y) N N/A Were the AB solution percent recoveries (%R) within the control limits of 80-120% ?

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Date	ICS Identification	Analyte	Finding	Associated Samples	Qualifications
	8/23/22	ICSA (10:13)	Pb	0.005544 (≤ 0.003333)	all	no qual (sample interferents < ICSA)

Comments: _____

LDC #: 54874C4b

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$$\%R = \frac{\text{Found}}{\text{True}} \times 100$$

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (~~ug/L~~ mg/L)	True (~~ug/L~~ mg/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration)	Pb	1.041	1.000	104	104	Y
	ICP/MS (Initial calibration)						
	CVAA (Initial calibration)						
CCV	ICP (Continuing calibration) 8/23 @ 14:20	Pb	1.04469	1.000	104	104	Y
	ICP/MS (Continuing calibration)						
	CVAA (Continuing calibration)						

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 54874C4b

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATV

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units) µg/ft2	True / D / SDR (units) µg/ft2	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check	Pb	1.041 mg/L	1.000 mg/L	104	104	Y
LCS	Laboratory control sample	Pb	104.602	100.00	105	105	Y
	Matrix spike		(SSR-SR)				
	Duplicate						
	Post digestion spike						
	ICP serial dilution						

Comments: _____

LDC #: 54874C46

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Pb were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

Recalculation: #2

$0.18886 \times \frac{100}{1.06} = 17.817$

#	Sample ID	Analyte	Reported Concentration (µg/kg)	Calculated Concentration (µg/kg)	Acceptable (Y/N)
	1	Pb	29	29.007	Y
	2	Pb	18	17.817	Y
	3	Pb	53	53.233	Y
	4	Pb	26	25.821	Y

Note:

Quality Control Outlier Reports

467774

(No Outliers)

Samples from SDG 467771 not collected in High Occupancy Area of Zone 1

LDC #: 54874D3b
SDG #: 467774
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 9/30/2022
Page: of
Reviewer:
2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	A	MB
V.	Field blanks	N	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	LCS/LCSD
IX.	Field duplicates	N	
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.2GE-DG-4 TO 18-220822-P-LA	467774-001	Wipe	08/22/22
2	DOOR-N-0.5GE-EXT-4 TO 5-220822-P-CB	467774-003	Wipe	08/22/22
3	ARCH-C1E-PS-6.5-220822-P-G	467774-005	Wipe	08/22/22
4	ARCH-C1E-INT-6.5 TO 7.5-220822-P-WF	467774-007	Wipe	08/22/22
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Notes:

LDC #: 54874D4b

SDG #: 467774

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 9/30/2022

Page: of

Reviewer:

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	MB
V.	Field Blanks	~~SW~~	qual A - No qual
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	N	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.2GE-DG-4 TO 18-220822-L-LA	467774-002	Wipe	08/22/22
2	DOOR-N-0.5GE-EXT-4 TO 5-220822-L-CB	467774-004	Wipe	08/22/22
3	ARCH-C1E-PS-6.5-220822-L-G	467774-006	Wipe	08/22/22
4	ARCH-C1E-INT-6.5 TO 7.5-220822-L-WF	467774-008	Wipe	08/22/22
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Notes:

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA - 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

February 28, 2023

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fraction listed below. This SDG was received on September 7, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #54926 RV3:

SDG #	Fraction
467872	Polychlorinated Biphenyls, Lead

The data validation was performed under Stage 3 guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
Project Manager/Senior Chemist
pgeng@lab-data.com

106 pages-ADV EDD

Attachment 1

Stage 2A/3 (client select) **LDC# 54926 (Rincon Consultants, Inc., Los Angeles, CA / Hanger 1 NTCRA)** **Project# 20-10491**

LDC	SDG#	DATE REC'D	(3) DATE DUE	PCBs (8082)		Pb (6010B)																													
Matrix: Water/Soil/Wipe				W	WP	W	WP	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	467872	09/07/22	09/28/22	0	25	0	24																												
Total	TR/PG			0	25	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49

Shaded cells indicate Stage 3 validation (all other cells are Stage 2A validation). Sample counts do not include MS, MSD, and DUP's. V:\LOGIN\Rincon\Moffett Field, Hanger 1 NTCRA\54926ST-Wipe.wpd

LDC Report# 54926_RV1

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Group

467872

October 19, 2022

Introduction

This Data Validation Report (DVR) presents Stage 3 data validation results for samples collected during the August 2022 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by EPA SW 846 Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 3 data validation, which comprises an evaluation of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

NJ Presumptive evidence of presence of the compound at an estimated quantity.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082
The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for all analytes.

6010B
An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Continuing Calibration

8082
Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes with the following exceptions:

SDG	Date	Detector/ Column	Analyte	%D	Associated Samples	Affected Analyte	Flag	A or P
467872	09/26/22	Ch B	Aroclor-1260	21	DOOR-N-0.1GE-DG-4 TO 17-220823-P-LA DOOR-N-0.3GE-EXT-3 TO 4-220823-P-CB DOOR-N-0.4GE-INT-17 TO 18-220823-P-CB DOOR-N-0.5GE-DG-4 TO 17-220823-P-LA DOOR-N-0.5GE-DG-4 TO 17-220823-P-DUP-LA DOOR-N-0.1GE-PS-17-220823-P-G DOOR-N-0.2GE-DG-3 TO 16-220823-P-LA DOOR-N-0.2GE-INT-1 TO 16-220823-P-CB DOOR-N-0.3GE-INT-16 TO 17-220823-P-CB DOOR-N-0.3GE-DG-2 TO 16-220823-P-LA DOOR-N-0.1GE-DG-2 TO 16-220823-P-LA DOOR-N-0.2GE-EXT-3 TO 4-220823-P-CB 220823-P-MEDBLANK1 220823-P-MEDBLANK2 DOOR-N-0.1GE-EXT-2 TO 3-220823-P-CB	Aroclor-1260 Aroclor-1248 Aroclor-1254 Aroclor-1262 Aroclor-1268	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A

SDG	Date	Detector/ Column	Analyte	%D	Associated Samples	Affected Analyte	Flag	A or P
467872	09/27/22	Ch B	Aroclor-1016 Aroclor-1260	22 29	DOOR-N-0.4GE-DG-3 TO 17-220823-P-LA DOOR-N-0.4GE-EXT-2 TO 3-220823-P-CB DOOR-N-0.5GE-PS-17-220823-P-G DOOR-N-0.5GE-INT-16 TO 17-220823-P-CB AFRAME-C1E-MED-L1-HS-3-220823-P-A DOOR-N-0.4GE-DG-3 TO 16-220823-P-LA DOOR-N-0.4GE-DG-3 TO 16-220823-P-DUP-LA DOOR-N-0.3GE-PS-17-220823-P-G DOOR-N-0.3GE-PS-17-220823-P-DUP-G	All analytes	UJ (all non-detects)	A

All of the continuing calibration relative response factors (RRF) were within validation criteria.

6010B
Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

ICP Interference Check Sample Analysis

6010B
The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

Although lead was found in the ICSA standard, no qualification was necessary since the interferent concentrations in the samples were less than ninety percent of the spiked interference concentrations in the ICSA.

Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

Field Blanks

8082
Two media blanks were collected and analyzed. No contaminants were found.

6010B
Two media blanks were collected and analyzed. The two media blanks had detections for lead. The associated sample results were qualified as non-detected (U) due to media blank contamination as applicable. The sample results that were not detected or were significantly greater than the concentrations found in the media blank were not qualified. The media blank outlier reports are presented in Enclosure I.

Surrogate Spikes

8082
Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Internal Standards

8082
All internal standard areas and retention times were within QC limits.

Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for these methods, and therefore matrix spike and matrix spike duplicate analyses were not performed.

Duplicate Sample Analysis

6010B
The laboratory has indicated that there were no laboratory duplicate (DUP) analyses specified for this method, and therefore laboratory duplicate analyses were not performed.

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

Field Duplicates

8082
Three field duplicate pairs were collected and analyzed. No contaminants were found.

6010B
Two field duplicate pairs were collected and analyzed. All RPDs were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Target Analyte Quantitation

8082
The laboratory reporting limits were evaluated. While the reporting limits were not achieved in accordance with the UFP-QAPP, the achieved reporting limits are acceptable with respect to the Cleanup Goals.

6010B
The laboratory reporting limits were evaluated. All laboratory reporting limits met the specified requirements.

Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in this SDG.

Due to continuing calibration %D, data were qualified as estimated in twenty-four samples.

Due to laboratory blank contamination, data were qualified as not detected in two samples.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 467872						
Method: 6010B						
220823-L-MEDBLANK1	467872-045	WIPE	FB	3050B	8/23/2022	S2AVE
220823-L-MEDBLANK2	467872-047	WIPE	FB	3050B	8/23/2022	S2AVE
AFRAME-C1E-LAT-L1-EXT-0 TO 1-220823-L-WF	467872-032	WIPE	N	3050B	8/23/2022	S2AVE
AFRAME-C1E-MED-L1-HS-3-220823-L-A	467872-030	WIPE	N	3050B	8/23/2022	S2AVE
DOOR-N-0.1GE-DG-2 TO 16-220823-L-LA	467872-040	WIPE	N	3050B	8/23/2022	S2AVE
DOOR-N-0.1GE-DG-4 TO 17-220823-L-LA	467872-002	WIPE	N	3050B	8/23/2022	S2AVE
DOOR-N-0.1GE-EXT-2 TO 3-220823-L-CB	467872-049	WIPE	N	3050B	8/23/2022	S2AVE
DOOR-N-0.1GE-PS-17-220823-L-G	467872-011	WIPE	N	3050B	8/23/2022	S2AVE
DOOR-N-0.2GE-DG-3 TO 16-220823-L-LA	467872-013	WIPE	N	3050B	8/23/2022	S2AVE
DOOR-N-0.2GE-EXT-3 TO 4-220823-L-CB	467872-042	WIPE	N	3050B	8/23/2022	S2AVE
DOOR-N-0.2GE-EXT-3 TO 4-220823-L-DUP-CB	467872-043	WIPE	FD	3050B	8/23/2022	S2AVE
DOOR-N-0.2GE-INT-1 TO 16-220823-L-CB	467872-015	WIPE	N	3050B	8/23/2022	S2AVE
DOOR-N-0.3GE-DG-2 TO 16-220823-L-LA	467872-019	WIPE	N	3050B	8/23/2022	S2AVE
DOOR-N-0.3GE-EXT-3 TO 4-220823-L-CB	467872-004	WIPE	N	3050B	8/23/2022	S2AVE
DOOR-N-0.3GE-INT-16 TO 17-220823-L-CB	467872-017	WIPE	N	3050B	8/23/2022	S2AVE
DOOR-N-0.3GE-PS-17-220823-L-G	467872-038	WIPE	N	3050B	8/23/2022	S2AVE
DOOR-N-0.4GE-DG-3 TO 16-220823-L-LA	467872-035	WIPE	N	3050B	8/23/2022	S2AVE
DOOR-N-0.4GE-DG-3 TO 17-220823-L-LA	467872-021	WIPE	N	3050B	8/23/2022	S2AVE
DOOR-N-0.4GE-EXT-2 TO 3-220823-L-CB	467872-023	WIPE	N	3050B	8/23/2022	S2AVE
DOOR-N-0.4GE-INT-17 TO 18-220823-L-CB	467872-006	WIPE	N	3050B	8/23/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 6010B						
DOOR-N-0.5GE-DG-4 TO 17-220823-L-LA	467872-009	WIPE	N	3050B	8/23/2022	S2AVE
DOOR-N-0.5GE-INT-16 TO 17-220823-L-CB	467872-027	WIPE	N	3050B	8/23/2022	S2AVE
DOOR-N-0.5GE-INT-16 TO 17-220823-L-DUP-CB	467872-028	WIPE	FD	3050B	8/23/2022	S2AVE
DOOR-N-0.5GE-PS-17-220823-L-G	467872-025	WIPE	N	3050B	8/23/2022	S2AVE
Method: 8082						
220823-P-MEDBLANK1	467872-044	WIPE	FB	3572M	8/23/2022	S2AVE
220823-P-MEDBLANK2	467872-046	WIPE	FB	3572M	8/23/2022	S2AVE
AFRAME-C1E-LAT-L1-EXT-0 TO 1-220823-P-WF	467872-031	WIPE	N	3572M	8/23/2022	S2AVE
AFRAME-C1E-MED-L1-HS-3-220823-P-A	467872-029	WIPE	N	3572M	8/23/2022	S2AVE
DOOR-N-0.1GE-DG-2 TO 16-220823-P-LA	467872-039	WIPE	N	3572M	8/23/2022	S2AVE
DOOR-N-0.1GE-DG-4 TO 17-220823-P-LA	467872-001	WIPE	N	3572M	8/23/2022	S2AVE
DOOR-N-0.1GE-EXT-2 TO 3-220823-P-CB	467872-048	WIPE	N	3572M	8/23/2022	S2AVE
DOOR-N-0.1GE-PS-17-220823-P-G	467872-010	WIPE	N	3572M	8/23/2022	S2AVE
DOOR-N-0.2GE-DG-3 TO 16-220823-P-LA	467872-012	WIPE	N	3572M	8/23/2022	S2AVE
DOOR-N-0.2GE-EXT-3 TO 4-220823-P-CB	467872-041	WIPE	N	3572M	8/23/2022	S2AVE
DOOR-N-0.2GE-INT-1 TO 16-220823-P-CB	467872-014	WIPE	N	3572M	8/23/2022	S2AVE
DOOR-N-0.3GE-DG-2 TO 16-220823-P-LA	467872-018	WIPE	N	3572M	8/23/2022	S2AVE
DOOR-N-0.3GE-EXT-3 TO 4-220823-P-CB	467872-003	WIPE	N	3572M	8/23/2022	S2AVE
DOOR-N-0.3GE-INT-16 TO 17-220823-P-CB	467872-016	WIPE	N	3572M	8/23/2022	S2AVE
DOOR-N-0.3GE-PS-17-220823-P-DUP-G	467872-037	WIPE	FD	3572M	8/23/2022	S2AVE
DOOR-N-0.3GE-PS-17-220823-P-G	467872-036	WIPE	N	3572M	8/23/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 8082						
DOOR-N-0.4GE-DG-3 TO 16-220823-P-DUP-LA	467872-034	WIPE	FD	3572M	8/23/2022	S2AVE
DOOR-N-0.4GE-DG-3 TO 16-220823-P-LA	467872-033	WIPE	N	3572M	8/23/2022	S2AVE
DOOR-N-0.4GE-DG-3 TO 17-220823-P-LA	467872-020	WIPE	N	3572M	8/23/2022	S2AVE
DOOR-N-0.4GE-EXT-2 TO 3-220823-P-CB	467872-022	WIPE	N	3572M	8/23/2022	S2AVE
DOOR-N-0.4GE-INT-17 TO 18-220823-P-CB	467872-005	WIPE	N	3572M	8/23/2022	S2AVE
DOOR-N-0.5GE-DG-4 TO 17-220823-P-DUP-LA	467872-008	WIPE	FD	3572M	8/23/2022	S2AVE
DOOR-N-0.5GE-DG-4 TO 17-220823-P-LA	467872-007	WIPE	N	3572M	8/23/2022	S2AVE
DOOR-N-0.5GE-INT-16 TO 17-220823-P-CB	467872-026	WIPE	N	3572M	8/23/2022	S2AVE
DOOR-N-0.5GE-PS-17-220823-P-G	467872-024	WIPE	N	3572M	8/23/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*

Validation Label Legend

Label Code	*Label Decription*	*EPA Level*
S1VE	Stage_1_Validation_Electronic	N/A
S1VM	Stage_1_Validation_Manual	N/A
S1VEM	Stage_1_Validation_Electronic_and_Manual	N/A
S2AVE	Stage_2A_Validation_Electronic	Level 3 w/o calibration
S2AVM	Stage_2A_Validation_Manual	Level 3 w/o calibration
S2AVEM	Stage_2A_Validation_Electronic_and_Manual	Level 3 w/o calibration
S2BVE	Stage_2B_Validation_Electronic	Level 3 with calibration
S2BVM	Stage_2B_Validation_Manual	Level 3 with calibration
S2BVEM	Stage_2B_Validation_Electronic_and_Manual	Level 3 with calibration
S3VE	Stage_3_Validation_Electronic	Level 4
S3VM	Stage_3_Validation_Manual	Level 4
S3VEM	Stage_3_Validation_Electronic_and_Manual	Level 4
S4VE	Stage_4_Validation_Electronic	Level 4
S4VM	Stage_4_Validation_Manual	Level 4
S4VEM	Stage_4_Validation_Electronic_and_Manual	Level 4
NV	Not_Validated	N/A

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: 467872 **Laboratory: Enthalpy Orange**

EDD Filename: Prep467872 **eQAPP Name:**

Method Category: METALS

Method: 6010B *Matrix:* WIPE

Sample ID: DOOR-N-0.4GE-INT-17 TO 18-220823-L-CB ***Collected:*** 8/23/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	11		0.50	CRQL	0.50	CRQL	ug/ft2	U	Fb

Sample ID: DOOR-N-0.5GE-INT-16 TO 17-220823-L-CB ***Collected:*** 8/23/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	14		0.50	CRQL	0.50	CRQL	ug/ft2	U	Fb

Method Category: SVOA

Method: 8082 *Matrix:* WIPE

Sample ID: 220823-P-MEDBLANK1 ***Collected:*** 8/23/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

Sample ID: 220823-P-MEDBLANK2 ***Collected:*** 8/23/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

Sample ID: AFRAME-C1E-MED-L1-HS-3-220823-P-A ***Collected:*** 8/23/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 467872 **Laboratory: Enthalpy Orange**

EDD Filename: Prep467872 **eQAPP Name:**

Method Category: SVOA

Method: 8082 *Matrix:* WIPE

Sample ID:*AFRAME-C1E-MED-L1-HS-3-220823-P-A *Collected: 8/23/2022 12:00:00 AM ***Analysis Type:*RES** ***Dilution:* 1.000**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1221	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1232	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1242	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

Sample ID:*DOOR-N-0.1GE-DG-2 TO 16-220823-P-LA *Collected: 8/23/2022 12:00:00 AM ***Analysis Type:*RES** ***Dilution:* 1.000**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

Sample ID:*DOOR-N-0.1GE-DG-4 TO 17-220823-P-LA *Collected: 8/23/2022 12:00:00 AM ***Analysis Type:*RES** ***Dilution:* 1.000**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 467872 **Laboratory: Enthalpy Orange**

EDD Filename: Prep467872 **eQAPP Name:**

Method Category: SVOA

Method: 8082 *Matrix:* WIPE

Sample ID:*DOOR-N-0.1GE-EXT-2 TO 3-220823-P-CB *Collected: 8/23/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

Sample ID:*DOOR-N-0.1GE-PS-17-220823-P-G** ***Collected: 8/23/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

Sample ID:*DOOR-N-0.2GE-DG-3 TO 16-220823-P-LA *Collected: 8/23/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

Sample ID:*DOOR-N-0.2GE-EXT-3 TO 4-220823-P-CB *Collected: 8/23/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 467872 **Laboratory: Enthalpy Orange**

EDD Filename: Prep467872 **eQAPP Name:**

Method Category: SVOA

Method: 8082 *Matrix:* WIPE

Sample ID: DOOR-N-0.2GE-EXT-3 TO 4-220823-P-CB ***Collected:*** 8/23/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

Sample ID: DOOR-N-0.2GE-INT-1 TO 16-220823-P-CB ***Collected:*** 8/23/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

Sample ID: DOOR-N-0.3GE-DG-2 TO 16-220823-P-LA ***Collected:*** 8/23/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

Sample ID: DOOR-N-0.3GE-EXT-3 TO 4-220823-P-CB ***Collected:*** 8/23/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 467872 **Laboratory: Enthalpy Orange**

EDD Filename: Prep467872 **eQAPP Name:**

Method Category: SVOA

Method: 8082 *Matrix:* WIPE

Sample ID: DOOR-N-0.3GE-INT-16 TO 17-220823-P-CB ***Collected:*** 8/23/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

Sample ID: DOOR-N-0.3GE-PS-17-220823-P-DUP-G ***Collected:*** 8/23/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1221	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1232	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1242	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

Sample ID: DOOR-N-0.3GE-PS-17-220823-P-G ***Collected:*** 8/23/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1221	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1232	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1242	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 467872 **Laboratory: Enthalpy Orange**

EDD Filename: Prep467872 **eQAPP Name:**

Method Category: SVOA

Method: 8082 *Matrix:* WIPE

Sample ID: DOOR-N-0.3GE-PS-17-220823-P-G ***Collected:*** 8/23/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

Sample ID: DOOR-N-0.4GE-DG-3 TO 16-220823-P-DUP-LA ***Collected:*** 8/23/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1221	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1232	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1242	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

Sample ID: DOOR-N-0.4GE-DG-3 TO 16-220823-P-LA ***Collected:*** 8/23/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1221	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1232	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1242	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 467872 **Laboratory: Enthalpy Orange**

EDD Filename: Prep467872 **eQAPP Name:**

Method Category: SVOA

Method: 8082 *Matrix:* WIPE

Sample ID: DOOR-N-0.4GE-DG-3 TO 17-220823-P-LA ***Collected:*** 8/23/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1221	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1232	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1242	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

Sample ID: DOOR-N-0.4GE-EXT-2 TO 3-220823-P-CB ***Collected:*** 8/23/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1221	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1232	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1242	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

Sample ID: DOOR-N-0.4GE-INT-17 TO 18-220823-P-CB ***Collected:*** 8/23/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 467872 **Laboratory: Enthalpy Orange**

EDD Filename: Prep467872 **eQAPP Name:**

Method Category: SVOA

Method: 8082 *Matrix:* WIPE

Sample ID: DOOR-N-0.4GE-INT-17 TO 18-220823-P-CB **Collected:** 8/23/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

Sample ID: DOOR-N-0.5GE-DG-4 TO 17-220823-P-DUP-LA **Collected:** 8/23/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

Sample ID: DOOR-N-0.5GE-DG-4 TO 17-220823-P-LA **Collected:** 8/23/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

Sample ID: DOOR-N-0.5GE-INT-16 TO 17-220823-P-CB **Collected:** 8/23/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1221	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1232	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1242	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 467872 **Laboratory: Enthalpy Orange**

EDD Filename: Prep467872 **eQAPP Name:**

Method Category: SVOA

Method: 8082 *Matrix:* WIPE

Sample ID: DOOR-N-0.5GE-INT-16 TO 17-220823-P-CB ***Collected:*** 8/23/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

Sample ID: DOOR-N-0.5GE-PS-17-220823-P-G ***Collected:*** 8/23/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1221	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1232	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1242	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Enclosure I

Validation Outlier Reports

Quality Control
Outlier Reports

467872

LDC #: 54926A3b

SDG #: 467872

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 9/29/22

Page: 1 of 2

Reviewer:

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Initial calibration/ICV	A/A	%D ≤ 20 ICV ≤ 20
III.	Continuing calibration	SW	CCV ≤ 20
IV.	Laboratory Blanks	A	
V.	Field blanks	ND	FB= 23, 24
VI.	Surrogate spikes 1/3	A/A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	LCS/D
IX.	Field duplicates	N	3=4+5, 17+18, 19+20
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.1GE-DG-4 TO 17-220823-P-LA	467872-001	Wipe	08/23/22
2	DOOR-N-0.3GE-EXT-3 TO 4-220823-P-CB	467872-003	Wipe	08/23/22
3	DOOR-N-0.4GE-INT-17 TO 18-220823-P-CB	467872-005	Wipe	08/23/22
4	DOOR-N-0.5GE-DG-4 TO 17-220823-P-LA	467872-007	Wipe	08/23/22
5	DOOR-N-0.5GE-DG-4 TO 17-220823-P-DUP-LA	467872-008	Wipe	08/23/22
6	DOOR-N-0.1GE-PS-17-220823-P-G	467872-010	Wipe	08/23/22
7	DOOR-N-0.2GE-DG-3 TO 16-220823-P-LA	467872-012	Wipe	08/23/22
8	DOOR-N-0.2GE-INT-1 TO 16-220823-P-CB	467872-014	Wipe	08/23/22
9	DOOR-N-0.3GE-INT-16 TO 17-220823-P-CB	467872-016	Wipe	08/23/22
10	DOOR-N-0.3GE-DG-2 TO 16-220823-P-LA	467872-018	Wipe	08/23/22
11	DOOR-N-0.4GE-DG-3 TO 17-220823-P-LA	467872-020	Wipe	08/23/22
12	DOOR-N-0.4GE-EXT-2 TO 3-220823-P-CB	467872-022	Wipe	08/23/22
13	DOOR-N-0.5GE-PS-17-220823-P-G	467872-024	Wipe	08/23/22
14	DOOR-N-0.5GE-INT-16 TO 17-220823-P-CB	467872-026	Wipe	08/23/22
15	AFRAME-C1E-MED-L1-HS-3-220823-P-A	467872-029	Wipe	08/23/22
16	AFRAME-C1E-LAT-L1-EXT-0 TO 1-220823-P-WF	467872-031	Wipe	08/23/22
17	DOOR-N-0.4GE-DG-3 TO 16-220823-P-LA	467872-033	Wipe	08/23/22

LDC #: 54926A3b

SDG #: 467872

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 9/27/22

Page: 1 of 2

Reviewer:

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

	Client ID	Lab ID	Matrix	Date
18	DOOR-N-0.4GE-DG-3 TO 16-220823-P-DUP-LA	467872-034	Wipe	08/23/22
19	DOOR-N-0.3GE-PS-17-220823-P-G	467872-036	Wipe	08/23/22
20	DOOR-N-0.3GE-PS-17-220823-P-DUP-G	467872-037	Wipe	08/23/22
21	DOOR-N-0.1GE-DG-2 TO 16-220823-P-LA	467872-039	Wipe	08/23/22
22	DOOR-N-0.2GE-EXT-3 TO 4-220823-P-CB	467872-041	Wipe	08/23/22
23	220823-P-MEDBLANK1	467872-044	Wipe	08/23/22
24	220823-P-MEDBLANK2	467872-046	Wipe	08/23/22
25	DOOR-N-0.1GE-EXT-2 TO 3-220823-P-CB	467872-048	Wipe	08/23/22
26				
27				
28				

Notes:

	295631						
	295632						

LDC #: 94926A35 **VALIDATION FINDINGS CHECKLIST** Page: 1 of 2
Reviewer: FT

Method: ✓ GC HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) < 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥0.990?			✓	
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) < 20%?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) < 20%?	✓	✓		
Were all the retention times within the acceptance windows?	✓			
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
V. Field Blanks				
Were field blanks identified in this SDG?	✓	✓		
Were target analytes detected in the field blanks?		✓		
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	✓			
Were manual Integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?			✓	
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 54926A3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 7
Reviewer: FT

METHOD: ✓ GC __ HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
What type of continuing calibration calculation was performed? ___%D or ___%R
Y N N/A Were continuing calibration standards analyzed at the required frequencies?
Y N N/A Did the continuing calibration standards meet the %D / %R validation criteria of ≤20.0% / 80-120%?
Level IV Only
Y N N/A Were the retention times for all calibrated compounds within their respective acceptance windows?

#	Date	Standard ID	Detector/ Column	Compound	%D (Limit ≤ 20.0)	RT (limit)	Associated Samples	Qualifications
	9/26/22 1356	CCV	ch B	BB	21		1→10, 21→25 295632-MB 295631-MB	J/UJ/A ND qual BB, Z, AA Aroclor 1262, Aroclor 1268
	9/27/22 0511	CCV	ch B	~~BB~~ V BB	22 29		11→15, 17→20	J/UJ/A ND qual all TCL

LDC #: 54926A3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: _____

METHOD: GC ✓ HPLC _____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (250 std)	Recalculated CF (250 std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
1	ICAL GC06	4/14/22	Aroclor 1260-1 ch A	0.0605	0.0605	0.0629	0.0629	17	17
			Aroclor 1260-1 ch B	0.0585	0.0585	0.0605	0.0605	17	17
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54926A3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of target analyte
C = Concentration of target analyte

#	Standard ID	Calibration Date	Target Analyte	Average CF(Ical)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	ccv	8/26/22 1356	Aroclor 1260 chA	500.0	569.3	569.3	14	14
			Aroclor 1260 chB	500.0	605.4	605.4	21	21
2	ccv	8/27/22 0511	↓	500.0	592.6	592.6	19	19
			↓	↓	646.6	646.6	29	29
3	ccv	8/29/22 1818	↓	500.0	437.3	437.3	13	13
			↓	↓	476.2	476.2	5	5
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54926A3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: _GC __ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX		50	40.2454	81	81	0
DCB		50	25.4353	51	51	0

Sample ID:

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octecosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontene	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 54926A3b

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: ✓ GC __HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
LCS = Laboratory Control Sample

SA = Spike added
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 295631 LCS 1P

Compound	Spike Added (ug/100)cm²		Spike Sample Concentration (ug/100 gm)²		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.0	5.0	4.935	4.913	99	99	98	98	0	0

Comments: _____

LDC #: 54926A3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

METHOD: ✓ GC __ HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

Concentration= $\frac{(A)(Fv)(Df)}{(RF)(Vs \text{ or } Ws)(\%S/100)}$

A= Area or height of the target analyte to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the target analyte In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. 295631 LCS Aroclor 1260

Concentration = $\frac{493.5 \quad (10)}{(1000)\ (sample)}$ =

4.935 ug/100cm^2

#	Sample ID	Target analyte	Reported Concentrations (ug/100 cm^2)	Recalculated Results Concentrations (ug/100 cm^2)	Qualifications
	LCS	Aroclor 1260	4.935	4.935	
	126021 = 24869 81.02 (20) =		512	PCB 1260-1	= 512
	~~77471 46.59 (0.0629)~~				485.4
	15442 13.37				474.3
					530.2
					465.6
					493.5

Comments: _____

LDC #: 54926A4b

SDG #: 467872

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 9/29/22

Reviewer: AR

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	A	
V.	Field Blanks	SW	MEDBLANK = 22, 23
VI.	Matrix Spike/Matrix Spike Duplicates	N	C, S
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS | LCSD
X.	Field Duplicates	SW	(13, 14), (20, 21)
XI.	Target Analyte Quantitation	A	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.1GE-DG-4 TO 17-220823-L-LA	467872-002	Wipe	08/23/22
2	DOOR-N-0.3GE-EXT-3 TO 4-220823-L-CB	467872-004	Wipe	08/23/22
3	DOOR-N-0.4GE-INT-17 TO 18-220823-L-CB	467872-006	Wipe	08/23/22
4	DOOR-N-0.5GE-DG-4 TO 17-220823-L-LA	467872-009	Wipe	08/23/22
5	DOOR-N-0.1GE-PS-17-220823-L-G	467872-011	Wipe	08/23/22
6	DOOR-N-0.2GE-DG-3 TO 16-220823-L-LA	467872-013	Wipe	08/23/22
7	DOOR-N-0.2GE-INT-1 TO 16-220823-L-CB	467872-015	Wipe	08/23/22
8	DOOR-N-0.3GE-INT-16 TO 17-220823-L-CB	467872-017	Wipe	08/23/22
9	DOOR-N-0.3GE-DG-2 TO 16-220823-L-LA	467872-019	Wipe	08/23/22
10	DOOR-N-0.4GE-DG3 TO 17-220823-L-LA	467872-021	Wipe	08/23/22
11	DOOR-N-0.4GE-EXT-2 TO 3-220823-L-CB	467872-023	Wipe	08/23/22
12	DOOR-N-0.5GE-PS-17-220823-L-G	467872-025	Wipe	08/23/22
13	DOOR-N-0.5GE-INT-16 TO 17-220823-L-CB	467872-027	Wipe	08/23/22
14	DOOR-N-0.5GE-INT-16 TO 17-220823-L-DUP-CB	467872-028	Wipe	08/23/22
15	AFRAME-C1E-MED-L1-HS-3-220823-L-A	467872-030	Wipe	08/23/22
16	AFRAME-C1E-LAT-L1-EXT-0 TO 1-220823-L-WF	467872-032	Wipe	08/23/22
17	DOOR-N-0.4GE-DG-3 TO 16-220823-L-LA	467872-035	Wipe	08/23/22

LDC #: 54926A4b

SDG #: 467872

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 9/29/22

Page: 2 of 2

Reviewer: AL

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

	Client ID	Lab ID	Matrix	Date
18	DOOR-N-0.3GE-PS-17-220823-L-G	467872-038	Wipe	08/23/22
19	DOOR-N-0.1GE-DG-2 TO 16-220823-L-LA	467872-040	Wipe	08/23/22
20	DOOR-N-0.2GE-EXT-3 TO 4-220823-L-CB	467872-042	Wipe	08/23/22
21	DOOR-N-0.2GE-EXT-3 TO 4-220823-L-DUP-CB	467872-043	Wipe	08/23/22
22	220823-L-MEDBLANK1	467872-045	Wipe	08/23/22
23	220823-L-MEDBLANK2	467872-047	Wipe	08/23/22
24	DOOR-N-0.1GE-EXT-2 TO 3-220823-L-CB	467872-049	Wipe	08/23/22
25				
26				
27				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
Were all water samples preserved to a pH of <2.			✓	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			✓	
Were %RSDs of isoptoes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily?	✓			
Were the proper standards used?	✓			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low level standard checks within 70-130%?			✓	
Were all initial calibration correlation coefficients within limits as specifed by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?		✓		
V. Interference Check Sample				
Were the interference check samples performed daily?	✓			
Were the AB solution recoveries within 80-120%?	✓			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			✓	
VII. Laboratory Control Samples				
SDG?	✓			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	✓			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			✓	
If the recoveries were outside the limits, was a reanalysis performed?			✓	
IX. Serial Dilution				
Were all percent differences <10%?			✓	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?	✓			
Were target analytes detected in the field duplicates?	✓			
XIII. Field Blanks				
Were field blanks identified in this SDG?	✓			
Were target analytes detected in the field blanks?	✓			

LDC #: 54926A4b

VALIDATION FINDINGS WORKSHEET
ICP Interference Check Sample

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were ICP interference check samples performed as required?

(Y) N N/A Were the AB solution percent recoveries (%R) within the control limits of 80-120% ?

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Date	ICS Identification	Analyte	Finding	Associated Samples	Qualifications
	8/24/22	ICSA (20:21)	Pb	0.0090 (≤ 0.003333)	all	no qual (sample interferents < ICSA)

Comments: _____

Field Duplicate RPD Report

Lab Reporting Batch ID: 467872 **Laboratory: Enthalpy Orange**

EDD Filename: Prep467872 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	DOOR-N-0.2GE-EXT-3 TO 4-220823-L-CB	DOOR-N-0.2GE-EXT-3 TO 4-220823-L-DUP-CB			
LEAD	58	120	70	100.00	No Qualifiers Applied

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	DOOR-N-0.5GE-INT-16 TO 17-220823-L-CB	DOOR-N-0.5GE-INT-16 TO 17-220823-L-DUP-			
LEAD	14	23	49	100.00	No Qualifiers Applied

LDC#: 54926A4b

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: ATL

METHOD: Metals (EPA Method 6010/6020/7000/200.7/200.8)

Analyte	Concentration (ug/ft2)		RPD	
	13	14		
Lead	14	23	49	

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Analyte	Concentration (ug/ft2)		RPD	
	20	21		
Lead	58	120	70	

LDC #: 54926A46

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Page: 1 of 1
Reviewer: ATL

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = Found / True x 100 Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (~~ug/L~~ mg/L)	True (~~ug/L~~ mg/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration)	Pb	1.086	1.000	109	109	Y
	ICP/MS (Initial calibration)						
	CVAA (Initial calibration)						
CCV	ICP (Continuing calibration) 08/25 @ 00:26	Pb	1.079	1.000	108	108	Y
	ICP/MS (Continuing calibration)						
	CVAA (Continuing calibration)						

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 54926A46

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (µg/kg) (units)	True / D / SDR (µg/kg) (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check	Pb	1.051 mg/L	1.000 mg/L	105	105	Y
LCS 295614	Laboratory control sample	Pb	100.9	100.00	101	101	Y
	Matrix spike		(SSR-SR)				
	Duplicate						
	Post digestion spike						
	ICP serial dilution						

Comments: _____

Field Blank Outlier Report

Lab Reporting Batch ID: 467872 **Laboratory: Enthalpy Orange**

EDD Filename: Prep467872 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Field Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
220823-L-MEDBLANK1(RES)	8/23/2022 12:00:00 AM	LEAD	2.8 ug/ft2	AFRAME-C1E-LAT-L1-EXT-0 TO 1-220823-L-WF AFRAME-C1E-MED-L1-HS-3-220823-L-A DOOR-N-0.1GE-DG-2 TO 16-220823-L-LA DOOR-N-0.1GE-DG-4 TO 17-220823-L-LA DOOR-N-0.1GE-EXT-2 TO 3-220823-L-CB DOOR-N-0.1GE-PS-17-220823-L-G DOOR-N-0.2GE-DG-3 TO 16-220823-L-LA DOOR-N-0.2GE-EXT-3 TO 4-220823-L-CB DOOR-N-0.2GE-EXT-3 TO 4-220823-L-DUP-CB DOOR-N-0.2GE-INT-1 TO 16-220823-L-CB DOOR-N-0.3GE-DG-2 TO 16-220823-L-LA DOOR-N-0.3GE-EXT-3 TO 4-220823-L-CB DOOR-N-0.3GE-INT-18 TO 17-220823-L-CB DOOR-N-0.3GE-PS-17-220823-L-G DOOR-N-0.4GE-DG-3 TO 16-220823-L-LA DOOR-N-0.4GE-DG-3 TO 17-220823-L-LA DOOR-N-0.4GE-EXT-2 TO 3-220823-L-CB DOOR-N-0.4GE-INT-17 TO 18-220823-L-CB DOOR-N-0.5GE-DG-4 TO 17-220823-L-LA DOOR-N-0.5GE-INT-16 TO 17-220823-L-CB DOOR-N-0.5GE-INT-16 TO 17-220823-L-DUP-CB DOOR-N-0.5GE-PS-17-220823-L-G

Field Blank Outlier Report

Lab Reporting Batch ID: 467872 **Laboratory: Enthalpy Orange**

EDD Filename: Prep467872 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Field Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
220823-L-MEDBLANK2(RES)	8/23/2022 12:00:00 AM	LEAD	2.1 ug/ft2	AFRAME-C1E-LAT-L1-EXT-0 TO 1-220823-L-WF AFRAME-C1E-MED-L1-HS-3-220823-L-A DOOR-N-0.1GE-DG-2 TO 16-220823-L-LA DOOR-N-0.1GE-DG-4 TO 17-220823-L-LA DOOR-N-0.1GE-EXT-2 TO 3-220823-L-CB DOOR-N-0.1GE-PS-17-220823-L-G DOOR-N-0.2GE-DG-3 TO 16-220823-L-LA DOOR-N-0.2GE-EXT-3 TO 4-220823-L-CB DOOR-N-0.2GE-EXT-3 TO 4-220823-L-DUP-CB DOOR-N-0.2GE-INT-1 TO 16-220823-L-CB DOOR-N-0.3GE-DG-2 TO 16-220823-L-LA DOOR-N-0.3GE-EXT-3 TO 4-220823-L-CB DOOR-N-0.3GE-INT-16 TO 17-220823-L-CB DOOR-N-0.3GE-PS-17-220823-L-G DOOR-N-0.4GE-DG-3 TO 16-220823-L-LA DOOR-N-0.4GE-DG-3 TO 17-220823-L-LA DOOR-N-0.4GE-EXT-2 TO 3-220823-L-CB DOOR-N-0.4GE-INT-17 TO 18-220823-L-CB DOOR-N-0.5GE-DG-4 TO 17-220823-L-LA DOOR-N-0.5GE-INT-16 TO 17-220823-L-CB DOOR-N-0.5GE-INT-16 TO 17-220823-L-DUP-CB DOOR-N-0.5GE-PS-17-220823-L-G

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DOOR-N-0.4GE-INT-17 TO 18-220823-L-CB (RES)	LEAD	11 ug/ft2	11U ug/ft2
DOOR-N-0.5GE-INT-16 TO 17-220823-L-CB (RES)	LEAD	14 ug/ft2	14U ug/ft2

LDC #: 54926A4b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Pb were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

Recalculation: #16

$2.499 \times 100 = 249.9$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

#	Sample ID	Analyte	Reported Concentration (ug/kg)	Calculated Concentration (ug/kg)	Acceptable (Y/N)
	1	Pb	48	47.961	Y
	2	Pb	52	51.70	Y
	3	Pb	11	11.40	Y
	4	Pb	53	53.0097	Y
	5	Pb	19	19.464	Y
	6	Pb	100	104.175	Y
	7	Pb	45	45.10	Y
	8	Pb	26	25.70	Y
	9	Pb	200	198.252	Y
	10	Pb	29	29.223	Y
	11	Pb	44	44.30	Y
	12	Pb	20	20.00	Y
	13	Pb	14	13.70	Y
	14	Pb	23	23.20	Y
	15	Pb	71	71.20	Y
	16	Pb	250	249.9	Y
	17	Pb	61	60.777	Y
	18	Pb	55	55.370	Y
	19	Pb	82	82.039	Y
	20	Pb	58	58.20	Y

lote:

LDC #: 54926A4b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATV

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Pb were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

Recalculation: #24

$1.131 \times 100 = 113.1$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

#	Sample ID	Analyte	Reported Concentration (µg/L)	Calculated Concentration (µg/L)	Acceptable (Y/N)
	21	Pb	120	116.3	Y
	22	Pb	2.8	2.80	Y
	23	Pb	2.1	2.10	Y
	24	Pb	110	113.1	Y

lote:

Attachment 6

PCB Wipe Extraction Procedure Used on NTCRA Samples Collected Before November 16, 2022

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December 23, 2022
Rincon Project No. 20-10491

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Subject: **PCB Wipe Extraction Method Used on NTCRA Samples Collected Before November 16, 2022**

Ms. Jones and Ms. Flack,

Rincon Consultants, Inc. (Rincon) has prepared this memorandum (memo) with the support of Enthalpy Analytical (Enthalpy) to describe the polychlorinated biphenyl (PCB) wipe extraction method employed by Enthalpy prior to November 16, 2022 (Modified Extraction Method) for PCB wipe samples collected during the Non-Time-Critical Removal Action (NTCRA).[1] The Modified Extraction Method deviates from the methods that are included in the Uniform Federal Policy Quality Assurance Project Plan (UFP-QAPP) that was prepared during development of the NTCRA Work Plan.[2] This memo documents the Modified Extraction Method and establishes that the PCB wipe sampling data collected prior to November 16, 2022 using the Modified Extraction Method are suitable for their intended use of demonstrating that the Cleanup and Clearance Goals have been met.

Based on a qualitative review of the Modified Extraction Method and comparison to other United States Environmental Protection Agency (EPA) extraction methods included in the SW-846 Compendium,[3] a review of the method detection limit (MDL) and reporting limit (RL) studies conducted using Enthalpy's Modified Extraction Method, quality control data for the samples analyzed prior to November 16, 2022, and chromatograms for the data produced for the NTCRA, it is our professional opinion that the

[1] The NTCRA is being performed by Planetary Ventures, LLC (PV) on behalf of the National Aeronautics and Space Administration (NASA), the Responsible Party for Hangar 1; the NTCRA is being conducted by McCarthy Building Company (McCarthy), which has been retained by PV. The United States Environmental Protection Agency (EPA) and the San Francisco Bay Regional Water Quality Control Board (Water Board) are the Regulatory Agencies with regulatory oversight over implementation of the NTCRA.
[2] EKI, 2022. Final Non-Time Critical Removal Action Work Plan for Hangar 1. EKI Environment & Water, Inc. March 14, 2022.
[3] EPA, 2022. SW-846 Compendium. United States Environmental Protection Agency.

Modified Extraction Method is suitable and appropriate for the extraction of PCBs from the confirmation and clearance wipe samples and that the use of this method has not negatively affect the quality of the PCB wipe sampling data collected during the NTCRA.

1 Background

As documented in the UFP-QAPP, the Remedial Action Objective (RAO) for the NTCRA is to control the release of PCBs and lead from impacted paints at Hangar 1. The NTCRA intends to meet this RAO by removing all existing PCB- and lead-impacted paint from the structural elements (e.g., the steel frame, concrete masonry unit [CMU] walls, and concrete floors) via a combination of media blasting, chemical stripping, and/or scraping with hand tools followed by cleaning. Following abatement and cleaning of the steel frame, visual inspections are performed by a National Association of Corrosion Engineers (NACE) inspector, and lead and PCB confirmation wipe samples are collected to verify that PCBs and lead are not present above their applicable Cleanup Goals. In addition, after the abated surfaces are primed, inspected, and pressure washed, clearance wipe samples are collected from the primed steel, scaffolding, and enclosure materials to demonstrate that the decontaminated enclosure is acceptable for entry by follow-on trades.

To date, abatement activities have been completed in Zone 1 and Zone 2 (Figure 1) and are currently underway in Zone 3 and in the 288 confirmation or 119 clearance wipe samples collected thus far, PCBs have not been detected above a laboratory reporting limit of 0.5 micrograms per 100 square centimeters (µg/100 cm^2).

The UFP-QAPP specifies methods to be used for the extraction and analysis of samples collected during the NTCRA. The UPF-QAPP also includes standard operating procedures (SOPs) prepared by each analytical laboratory that may analyze samples for the NTCRA to describe the specific steps and procedures used for the extraction and analysis of these samples. During preparation of the high- and low-occupancy Data Summary Submittals (DSSs) for Zone 1, the Project Team noticed that the extraction method that had been used for PCB confirmation and clearance wipe samples collected prior to November 16, 2022 was a different method than the extraction methods listed in Enthalpy's SOP for the extraction and analysis of samples by EPA Method 8082 (Attachment D-2 of the QAPP).

The objective of this memo is to describe the Modified Extraction Method used by Enthalpy prior to November 16, 2022, to compare that method to other extraction methods included in the SW-846 Compendium, and to demonstrate that the data collected and analyzed using Enthalpy's Modified Extraction Method and analytical methods are suitable for comparison against the Project Cleanup and Clearance Goals.

2 PCB Wipe Sample Extraction and Analytical Method

During preparation of the Data Summary Submittals for Zone 1, the Project Team noticed that Enthalpy had extracted all of PCB wipe samples collected through November 1, 2022 (i.e., all PCB confirmation and clearance wipe samples collected from Zone 1 and Enclosures A, B/C, and a portion of those collected in Enclosure D of Zone 2) using a procedure that was identified in the laboratory analytical reports as EPA Method 3580.

Enthalpy's SOP no. H-0004, included in the UFP-QAPP, describes the extraction and analytical procedures employed to analyze solid samples for PCB analysis. As no specific extraction procedure is

listed for wipe samples, it could be inferred that the wipe samples would be extracted using one of the methods specified for solid samples (i.e., either EPA Method 3546 or EPA Method 3550).[4] However, Enthalpy views the inclusion of EPA Method 3546 and EPA Method 3550 in SOP no. H-0004 as extraction methods specific for extraction from solid media, while the Modified Extraction Method described herein is used by Enthalpy for media that are not explicitly referenced in their standard SOPs. Nonetheless, the lack of specificity with regard to extraction methods included in the UFP-QAPP for PCB wipe samples requires action on the part of the Project Team.

The Modified Extraction Method used by Enthalpy is presented in Section 2.1. Section 2.2 compares Enthalpy's Modified Extraction Method to EPA Method 3580 and EPA Method 3572, alternate extraction methods included in the SW-846 Compendium, and the PCB wipe extraction procedure described in Eurofins' SOP WS-OP-0002[5], which is included in Attachment D-5 of the UFP-QAPP. Section 2.3 discusses Enthalpy's method detection limit and reporting limit studies using the Modified Extraction Method, Section 2.4 evaluates the laboratory quality control data for the samples collected prior to November 16, 2022, Section 2.5 presents chromatograms from the low-level PCB calibration standards, Section 2.6 discusses the data validation results, and Section 2.7 discusses the updates made to Enthalpy's SOPs.

2.1 Enthalpy's PCB Wipe Sample Extraction Procedure

Enthalpy's PCB wipe sample extraction procedure involves the following:

- One clean laboratory wipe is placed into a clean vial for each laboratory quality control (QC) sample (e.g., method blank, laboratory control spike [LCS]/laboratory control spike duplicate [LCSD][6]).
- Wipe samples are placed into clean vials.
- All vials are clearly labeled with sample IDs or laboratory QC sample IDs.
- The appropriate surrogate solution is added to the laboratory QC samples and to the wipe samples.
- 500 microliters (µL) of 10 microgram per milliliter (µg/mL) of the spiking solution is added into the LCS/LCSD samples.
- 20 milliliters (mL) of hexane is added to each of the vials in the batch and the vials are sealed with a cap.
- The sealed vials are placed on a mechanical shaker table and vigorous shaking is conducted on all samples for 1 hour.
- Following completion of vigorous shaking, approximately 1 mL of the solvent is transferred to a 2 mL autosampler vial and the samples are then loaded onto the gas chromatograph autosampler for analysis in accordance with EPA Method 8082.

Enthalpy has used this Modified Extraction Method for the extraction of PCB wipe samples at other facilities for at least the past five years that are under regulatory oversight, and have not received feedback from regulators expressing concern with the methodology. Enthalpy's SOP no. H-0019, which

[4] Additionally, Worksheet #19 & 30 in the UFP-QAPP refer to extraction method 3546. A revision to this worksheet and other related UFP-QAPP Worksheets requiring revisions are included in Attachment 1.
[5] Attachment D-5 of the UFP-QAPP.
[6] Enthalpy's lab reports refer to these samples as Batch Spike [BS] and Batch Spike Duplicate [BSD] samples. For the purposes of this memo, BS/BSD and LCS/LCSD samples are equivalent.

was not included in the original Attachment D-2 of the UFP-QAPP, describes in detail Enthalpy's wipe sample extraction procedure and this SOP is included as Attachment 2 of this memo.

2.2 Comparison of PCB Wipe Sample Extraction Methods

As discussed above, during review of the DSSs for Zone 1, the Project Team noted that the analytical laboratory reports identified the Modified Extraction Procedure used for the PCB wipe samples as EPA Method 3580 because EPA Method 3580 is the only method within the 3500 series (i.e., organic sample extraction) that does not involve specific additional preparation equipment and/or the concentration of sample extracts and, as a result, Enthalpy lists EPA Method 3580 as the extraction method for all media types that are not specifically identified in their analytical SOPs (e.g., wipe samples). The Modified Extraction Method used by Enthalpy deviates from EPA Method 3580 because it applies the procedures presented in EPA Method 3580 to wipe (or other) media as opposed to using the method for the dilution of a non-aqueous waste sample prior to cleanup and/or analysis.

The Modified Extraction Method employed by Enthalpy for the extraction of PCBs from wipe samples is directly comparable to the extraction method described in Eurofins SOP no. WS-OP-0002, Revision 4.8, which was included in the Agency-approved addendum to the UFP-QAPP dated May 2022. The only difference between the Modified Extraction Method employed by Enthalpy and the extraction procedures described in Eurofins SOP is that Eurofins specifies the use of a rotator utilized at a 60-percent duty cycle for 20-minutes while Enthalpy uses a mechanical shaker table for 1 hour.[7]

Enthalpy's Modified Extraction Method is also comparable to EPA Method 3572, which was developed for chemical agents and was designed specifically to extract organic compounds from wipe samples and is therefore applicable to this project. The only material difference between the approach detailed for EPA Method 3572 and the extraction procedure employed by Enthalpy is that EPA Method 3572 details the use of a mechanical vortex shaker for 30-seconds while Enthalpy uses a mechanical shaker table for 1 hour.

It is Enthalpy's opinion that the Modified Extraction Method they employ could be appropriately labeled as EPA Method 3580 (Modified) or EPA Method 3572 (Modified) and as further discussed below, that this procedure is suitable for the extraction of PCBs from wipe samples. As EPA Method 3572 is specific to wipe samples, the Project Team has requested that Enthalpy revise all laboratory analytical reports for the wipe samples prepared and analyzed prior to November 16, 2022 to refer to the extraction method used as EPA Method 3572 (Modified) instead of EPA Method 3580. All such re-issued laboratory analytical reports will be presented in Data Summary Submittals prepared for Zone 1 and Zone 2.

2.3 PCB Method Detection Limit and Reporting Limit Verification Studies

Enthalpy is an accredited laboratory under the California State Water Resources Control Board Environmental Laboratory Accreditation Program (ELAP) as well as under the National Environmental Laboratory Accreditation Program (NELAP), which includes regular equipment calibration and QC verification associated with analytical methods. Extraction methods are not similarly evaluated in the

[7] In general, the difference between the use of a mechanical vortex shaker, a rotator, and a mechanical shaker table is the amount of energy engaged by each piece of equipment. However, the objective of introducing energy through these various methods to the vials containing the wipe samples is to dissolve the organic compounds, including PCBs, that are present on the wipe material and soluble in hexane.

ELAP or NELAP accreditation processes; therefore, Enthalpy had not performed MDL studies specific for wipe sample extraction prior to the initiation of the NTCRA. Prior to the MDL and RL verification studies conducted in November 2022, Enthalpy had not conducted quarterly RL verification studies on all of the instruments that were used to analyze the samples. Because Enthalpy's Modified Extraction Method does not involve significant sample handling and equipment steps, significant uncertainty is not introduced during the extraction process. Moving forward, Enthalpy will conduct RL verification studies for the Modified Extraction Method on a quarterly basis.

Because MDL and RL studies for the Modified Extraction Method had not previously been conducted, Enthalpy conducted a single-day, seven replicate MDL study for PCB Aroclor 1016 and Aroclor 1260 using the Modified Extraction Method and a RL verification study, consisting of two replicates each, for the remaining Aroclors using the Modified Extraction Method. MDL studies are used to establish the minimum concentration of target analyte that can be measured and reported with 99-percent confidence that the analyte is present. RL verification studies provide evidence that, at the required RL (i.e., 0.5 µg/100 cm^2; Worksheet #15-1 of the UFP-QAPP), the analyte concentration can be measured within specified recovery limits, typically ±50-percent.

As seen in Attachment 3, the MDL and RL verification studies performed by Enthalpy indicate that the Modified Extraction Method (EPA Method 3572 [Modified]) is capable of achieving the analytical reporting limits for PCBs presented in the UFP-QAPP. Together, these data provide proof of the laboratory's ability to accurately quantitate PCBs in wipe samples at concentrations below the most stringent of the Project Cleanup Goals (i.e., ≤10 µg/100 cm^2).

2.4 Laboratory Quality Control Data

As required by the UFP-QAPP, Enthalpy conducts regular laboratory QC analyses on each type of sample collected, which are intended to evaluate the accuracy and precision of the equipment and analytical procedures used to evaluate wipe sample data. To this end, Enthalpy analyzes LCS and LCSD (referred to as BS/BSD in the laboratory analytical reports) sample pairs at a minimum frequency of one LCS/LCSD sample pair for every 20 Project samples. Each LCS/LCSD sample pair was prepared by spiking an unused wipe with a 500 µL solution that contains of 10 µg/mL of the target analytes (i.e., Aroclor 1016 and Aroclor 1260), extracting the constituents from the wipes using Enthalpy's wipe extraction procedure, and analyzing the extract using EPA Method 8082.

Over the course of the NTCRA thus far, Enthalpy has analyzed 24 LSC/LCSD sample pairs associated with confirmation wipe samples and 8 LCS/LCSD sample pairs associated with clearance wipe samples using the Modified Extraction Method (i.e., EPA Method 3572 [Modified]) and analyzed these extracts using EPA Method 8082. Of these 32 total LCS/LCSD sample pairs, two pairs were reported to have a relative percent difference (RPDs) that were greater than the 20-percent acceptance limit established in the UFP-QAPP[8] and one LCSD sample had a reported recovery of less than the 60-percent acceptance limit established in the UFP-QAPP. The recovery of 57-percent in the marginally low LCSD sample indicates a possible low bias on the associated samples; however, these LCS/LCSD samples were spiked at a concentration that is half of that of the Project Cleanup Goal for PCBs. While the RPD failures in the two LCS/LCSD pairs indicate that there may be some uncertainty in the reported values for some Aroclors, PCBs were not detected in the associated field samples at concentrations above their respective

[8] In accordance with Worksheet #28-4 of the UFP-QAPP, when the LCS/LCSD analytical results did not meet the measurement performance criteria as detailed in the UFP-QAPP, Enthalpy re-analyzed another extract of the spiked solution and confirmed the results by re-analysis.

analytical reporting limits. These LCS/LCSD data support the conclusion that the analytical sensitivity of the modified extraction and analysis procedures are sufficient to meet the Project Cleanup Goals.

In addition, during the Mockup Investigation conducted in July 2021 (prior to the initiation of the NTCRA), Enthalpy used the Modified Extraction Method and EPA Method 8082 for similar QC analyses. A total of six pairs of LCS/LCSD samples were analyzed as part of the Mockup process. Of the six pairs, while one LCSD sample had a recovery rate that was greater than 140-percent acceptance limit established in the Mockup Work Plan. The RPDs for all of the of the LSC/LSCD pairs were below the 20-percent acceptance limit established in the Mockup Work Plan.

Overall, the laboratory QC data for the PCB wipe samples extracted using the Modified Extraction Method and analyzed using EPA Method 8082 indicate that procedure and methods employed are sufficiently accurate and precise to conclude that the PCB wipe sampling data collected to date are below the minimum of the Cleanup and Clearance Goals for PCBs (i.e., ≤10 µg/100 cm^2). A summary of the laboratory QC data collected to date is included in Attachment 4.

2.5 PCB Analytical Chromatography

Chromatograms for the PCB wipe sample analytical results are included in the data packages that undergo Stage 3 validation. Chromatograms are a visual depiction of how the concentration of a target analyte is measured by the instrument. A target analyte should appear as a distinct peak, clearly discernable from any baseline noise and having a uniform shape similar to that of the standard. Chromatograms for the reporting limit-equivalent initial calibration standards, the LCS/LCSD information discussed above, in addition to the MDL and RL verification studies demonstrate that the laboratory had sufficient instrument sensitivity using the Modified Extraction Method to meet the Project Cleanup Goals for PCBs.

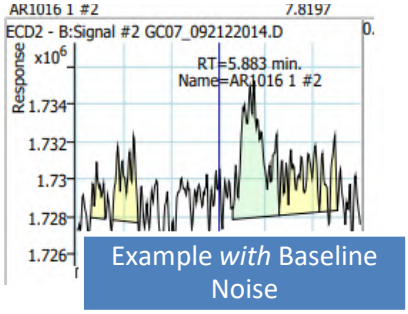
In chromatography, matrix effects are generally a result of co-extracted non-target analytes or physical/chemical characteristics of a sample detrimental to the identification or accurate quantitation of the target analytes. Therefore, two largely equivalent methods of extraction will produce extracts that display the same matrix effects (if any) at the time of analysis at the instrument. The wipe samples analyzed for the NTCRA as well as those collected for the extraction method comparison study, described in Section 3, are free of any matrix interference as demonstrated by the chromatograms produced using both extraction techniques (i.e., both EPA Method 3546 and EPA Method 3572 [Modified]), thus there is no evidence to point toward any concern of matrix interference within the data for these samples.

To illustrate what matrix interference would look like, Enthalpy has provided examples of chromatograms that are not related to the NTCRA Project in Attachment 5; the chromatograms and associated supporting information in the first 8 pages show what a sample with little to no matrix interferences looks like and the chromatograms and supporting information in the second 8 pages show what a sample with significant matrix interferences looks like.

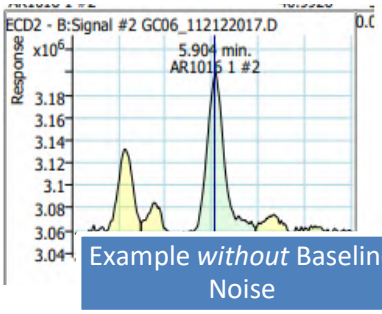
The most common manifestations of matrix interference appear in the form of baseline noise or co-elution.[9] The figures shown below demonstrate an example of a chromatogram showing a typical manifestation of baseline noise compared with a chromatogram without baseline noise, in addition to a

[9] Co-elution occurs when two or more chemical compounds elute from a chromatographic column at the same time, making separation and identification of the peak for the target analyte difficult.

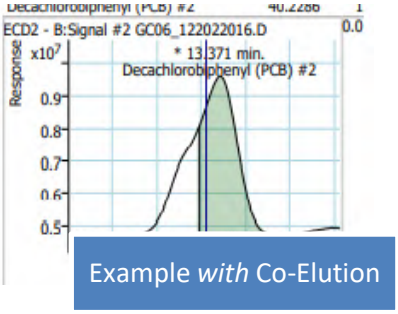
chromatogram showing a typical manifestation of co-elution compared with a chromatogram without co-elution.



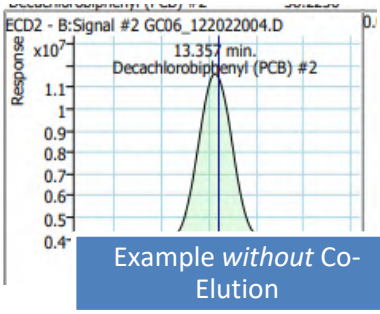
Example *with* Baseline Noise



Example *without* Baseline Noise



Example *with* Co-Elution



Example *without* Co-Elution

In contrast, the chromatograms for the wipe low-level calibration standards prepared for this Project, included in Attachment 6, in addition to those shown in the side-by-side PCB wipe samples collected as part of the extraction comparison study (Section 3 and Attachment 7) indicate that these samples are free of matrix interferences.

2.6 Data Validation

All PCB wipe data through November 16, 2022 have been reviewed by Laboratory Data Consultants, the NTCRA Data Validation Consultant. Laboratory Data Consultants reviewed the extraction and analytical methods used against the methods included in the EPA SW-846 Compendium and the laboratory quality control data for the PCB wipe samples and based on this review has not identified significant issues that, in their professional opinion, would require rejection of any of the NTCRA PCB wipe samples or their data.

2.7 Updates to the Analytical SOP

Enthalpy has updated SOP no. H-0004 to include the Modified Extraction Method used thus far during the NTCRA (i.e., EPA Method 3572 [Modified]). SOP no. H-0019 includes details regarding the specific modifications made to EPA Method 3572. The revised SOP no. H-0004 is included as Attachment 8 to this memorandum and SOP no. H-0019 is included as Attachment 2 to this memorandum.

3 PCB Extraction Method Comparison Study

As the Modified Extraction Method for wipe samples used by Enthalpy was not included in the UFP-QAPP, a study was conducted to compare the performance of this method to EPA Method 3546 which was included in the UFP-QAPP. For this study, Rincon sampling personnel collected duplicate PCB confirmation wipe sample pairs[10] from the abated steel members within Zone 3 Enclosure C/D and duplicate PCB clearance wipe sample pairs from the decontaminated primed steel members within Zone 2 Enclosure B/C on December 9, 2022. In total, 20 confirmation wipe samples were collected from 10 locations within Zone 3 Enclosure C/D and 20 clearance samples were collected from 10 locations within Zone 2 Enclosure B/C.

One sample from each of the sample locations was extracted using the Modified Extraction Methods (i.e., EPA Method 3572 [Modified]) and one was extracted using EPA Method 3546 and both samples were analyzed using EPA Method 8082. PCBs were not detected above the laboratory reporting limit of 0.5 µg/100 cm^2 in any of the samples collected. The analytical results for the PCB extraction method comparison study are included in Attachment 7 of this memo.

For each extraction method, laboratory quality control samples[11] were also prepared, extracted, and analyzed on the same instrument used for the analysis of the confirmation wipe samples. The results for Aroclor 1016 and Aroclor 1260 in LCS/LCSD sample pairs for EPA Method 3546 and the Modified Extraction Method were within the analytical laboratory's acceptable recovery ranges. Likewise, the relative percent difference (RPD) results for both extraction procedures were within acceptable range established in the UFP-QAPP (i.e., ±20%).

Additionally, Enthalpy spiked each of the PCB wipe samples with tetrachloro-m-xylene (TCMX) and decachlorobiphenyl (DCB) surrogate standards. Surrogate standards are used in laboratory analyses to determine extraction efficiency and assess the potential for matrix interferences in the sample. During the analytical process, each sample is spiked with 5 µg of TCMX and 5 µg of DCB prior to the extraction and analysis of the sample. Surrogate recovery rates for both extraction methods were within the analytical laboratory's acceptable recovery ranges.

As seen in Attachment 7:

- The surrogate recoveries for TCMX were closer to the spiked concentration in 18 out of the 20 samples extracted using EPA Method 3572 (Modified) than in the samples extracted using EPA Method 3546;
- The surrogate recoveries for DCB were closer to the spiked concentration in 18 of the 20 samples analyzed using EPA Method 3572 (Modified) than in the samples extracted using EPA Method 3546; and,
- The average surrogate recoveries for TCMX and DCB were closer to the spiked concentration in the samples extracted using EPA Method 3572 (Modified) (i.e., 76- and 73-percent, respectively) than in the samples extracted using EPA Method 3546 (i.e., 64- and 58-percent, respectively).

[10] The samples were collected from the abated surfaces after the NACE inspector confirmed that all existing paint had been removed from the abated steel members and that the abated surfaces met the NACE 3 / SSPC-SP 6 surface cleanliness standard.

[11] One LCS/LCSD sample pair and one method blank sample was extracted using EPA Method 3546, and one LCS/LCSD sample pair and one media blank sample was extracted using EPA Method 3572 (Modified).

These results suggest that for the analysis of wipe samples for PCBs, EPA Method 3572 (Modified) performs at least as well as EPA Method 3546.

4 Conclusion

The Modified Extraction Method used by Enthalpy is suitable and appropriate for the extraction of PCBs from the confirmation and clearance wipe samples and the use of this method has not negatively affected the quality of the PCB wipe sampling data and that the data collected between June 15, 2022 and November 1, 2022 using Enthalpy's extraction method are suitable for comparison against the Cleanup and Clearance Goals presented in the NTCRA. This conclusion is based on the following:

- The qualitative review of the Modified Extraction Method with other extraction methods;
- Data from the MDL and RL studies performed using the Modified Extraction Method;
- The laboratory control spike and laboratory control spike duplicate samples;
- The chromatograms for the reporting-limit-equivalent calibration standards; and,
- The PCB extraction method comparison study.

If you have any questions or would like any additional information, please contact Planetary Ventures, LLC's Environmental Liaison.[12]

Sincerely,

Rincon Consultants, Inc.

Ryan Thacher, PhD, PE
Quality Assurance Manager

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Principal

Lindsay Parker, EIT
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Dennis Dorning
Vice President

[12] EKI Environment & Water, Inc.

Figures

Figure 1 Abatement Zones Completed as of December 23, 2022 within Hangar 1

Attachments

Attachment 1 Revised Pages of the UFP-QAPP

Attachment 2 Analytical SOP H-0019

Attachment 3 MDL and RL Verification Studies

Attachment 4 Laboratory Quality Control Data

Attachment 5 Non-NTCRA-Related PCB Chromatograms showing Matrix Interference

Attachment 6 PCB Chromatograms from NTCRA Samples

Attachment 7 Results from PCB Extraction Method Comparison Study

Attachment 8 Revised Analytical SOP H-0004

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Abatement Zones Completed to Date within Hangar 1

Figure 1

Attachment 1

Revised Pages of the UFP-QAPP

Worksheet #12-4: Measurement Performance Criteria for PCBs in Wipe Samples

Matrix:	Wipes
Analyte:	PCBs
Analytical Method:	U.S. EPA Method 3546 or 3572M/8082

Data Quality Indicator	QC Sample [a]	Measurement Performance Criteria
Overall Precision	Field Duplicate	RPD ≤ 100% [b]
Accuracy/Bias (laboratory)	LCS	%REC 60-140%
Precision (laboratory)	LCSD	RPD ≤ 20%
Overall Accuracy/Bias	Field/Media Blank	<QL
Completeness	Data Completeness Check	>90%

Acronyms and Abbreviations:

LCS: Laboratory Control Sample
LCSD: Laboratory Control Sample Duplicate
PCB: Polychlorinated Biphenyl
QC: Quality Control
QL: Quantitation Limit
%REC: Percent Recovered
RPD: Relative Percent Difference
SOP: Standard Operating Procedure
U.S. EPA: United States Environmental Protection Agency

Notes:

[a] Acceptable percent recovery ranges provided by the laboratory are available in the analytical SOP (SOP No. H-0004).
[b] RPD will not be calculated for duplicate samples where the analyte is less than its QL in one or both samples.

Worksheet #15-1: Non-porous Surface Cleanup Goals and Laboratory-Specific Quantitation Limits

Matrix:	Wipes
Analyte:	Lead/PCBs
Analytical Method:	U.S. EPA Method 3050M/6010B/3546 or 3572M/8082

Analyte	**Method**	**Cleanup Goal** [a]	**Laboratory Specific QL** [b]	**Laboratory Specific MDL** [b]
Lead	U.S. EPA Method 3050M/6010B	<250 µg/ft^2	0.5 µg/ft^2	0.24 µg/ft^2
PCBs	U.S. EPA Method 3546 or 3572M/8082	≤10 µg/100 cm^2 (high occupancy areas [c]) and <100 ug/100 cm^2 (low occupancy areas [d])	0.5 µg/100 cm^2	0.18-0.43 µg/100 cm^2 [e]

Acronyms and Abbreviations:

cm^2: Square Centimeters
CFR: Code of Federal Regulations
MDL: Method Detection Limit
EKI Environment & Water, Inc.
ft^2: Square Foot
LIMS: Laboratory Information Management System
QL: Quantitation Limit
PCB: Polychlorinated Biphenyl
µg: Microgram
U.S. EPA: United States Environmental Protection Agency

Notes

[a] Cleanup Goals from Hangar 1 Action Memorandum, Former Naval Air Station Moffett Field, California, (EKI 2020).

[b] Enthalpy SOP F-0016 (U.S. EPA Method 6010B), SOP H-0004 (U.S. EPA Method 8082), Enthalpy SOP H-0019 (U.S. EPA Method 3572M) and current limits in LIMS

[c] Pursuant to 40 CFR §761.3, high occupancy areas are areas where individuals may be present, without dermal or respiratory protection, for 840 hours or more per year (an average of 16.8 hours or more per week) for non-porous surfaces and for 335 hours (and average of 6.7 hours per week) for bulk remediation waste.

[d] Pursuant to 40 CFR §761.3, low-occupancy areas are areas where individuals may be present, without dermal or respiratory protection, for less than 840 hours per year (an average of less than 16.8 hours per week) for non-porous surfaces and for less than 335 hours (an average of 6.7 hours per week) for bulk PCB remediation waste.

[e] Laboratory Specific MDL range from 0.18 µg/wipe to 0.43 µg/wipe for Aroclor analyte MDL calculations performed by Enthalpy, included as an attachment to analytical SOP H-0004 and SOP H-0019.

References

EKI 2020. Hangar 1 Action Memorandum, Former Naval Air Station Moffett Field, California. EKI Environment & Water. Inc. 2020-11-04.

Worksheet #18-1: Confirmation, Clearance, Air, and Soil Sampling Locations and Methods

Task	Rationale	Matrix	Analytical Group	Analytical Method	Proposed Location and Sample ID	Frequency	SOP
Confirmation Sampling-Structural Steel Members within the Arch	Confirmation sampling following abatement of lead- and PCB-impacted paint on steel surfaces	Wipe	Lead	U.S. EPA Method 3050M/6010B	Refer to Figure 18-1 for Location and Figure 18-15 for the Location and Sample Identification Approach, respectively.	1 sample per 1,000 ft^2 in the high occupancy areas and 1 sample per 2,000 ft^2 in the low occupancy areas	FPM-SWS-21
		Wipe	PCBs	U.S. EPA Method 3546 or 3572M/8082			
Confirmation Sampling-Structural Steel Members within the A-Frame		Wipe	Lead	U.S. EPA Method 3050M/6010B	Refer to Figure 18-2 for Location and Figure 18-15 for the Location and Sample Identification Approach, respectively.		
		Wipe	PCBs	U.S. EPA Method 3546 or 3572M/8082			
Confirmation Sampling-Structural Steel Members within the Doors		Wipe	Lead	U.S. EPA Method 3050M/6010B	Refer to Figure 18-3 for Location and Figure 18-15 for the Location and Sample Identification Approach, respectively.		
		Wipe	PCBs	U.S. EPA Method 3546 or 3572M/8082			
Confirmation Sampling-Structural Steel Members within the Exterior Frame		Wipe	Lead	U.S. EPA Method 3050M/6010B	Refer to Figure 18-4 for Location and Figure 18-15 for the Location and Sample Identification Approach, respectively.		
		Wipe	PCBs	U.S. EPA Method 3546 or 3572M/8082			
Confirmation Sampling - Concrete Floor	Confirmation sampling following abatement of lead- and PCB-impacted paint on concrete floors within Hangar 1	Bulk	Lead	U.S. EPA Method 3050M/6010B	Refer to Figure 18-14 for Location and Figure 18-15 for the Location and Sample Identification Approach, respectively.	1 sample per area of abated concrete floor	FPM-SWS-21
		Bulk	PCBs	U.S. EPA Method 3546/8082			

Worksheet #18-1: Confirmation, Clearance, Air, and Soil Sampling Locations and Methods

Task	Rationale	Matrix	Analytical Group	Analytical Method	Proposed Location and Sample ID	Frequency	SOP
Clearance Sampling - Structural Steel Members and other surfaces within the Arch	Clearance sampling following priming and cleaning of steel surfaces	Wipe	Lead	U.S. EPA Method 3050M/6010B	Refer to Figure 18-1 for Location and Figure 18-15 for the Location and Sample Identification Approach, respectively.	5 samples from the structural steel elements, 5 sample of scaffolding, and 5 samples of enclosure material per enclosure	FPM-SWS-21
		Wipe	PCBs	U.S. EPA Method 3546 or 3572M/8082			
Clearance Sampling - Structural Steel Members and other surfaces within the A-Frame		Wipe	Lead	U.S. EPA Method 3050M/6010B	Refer to Figure 18-2 for Location and Figure 18-15 for the Location and Sample Identification Approach, respectively.		
		Wipe	PCBs	U.S. EPA Method 3546 or 3572M/8082			
Clearance Sampling - Structural Steel Members and other surfaces within the Door		Wipe	Lead	U.S. EPA Method 3050M/6010B	Refer to Figure 18-3 for Location and Figure 18-15 for the Location and Sample Identification Approach, respectively.		
		Wipe	PCBs	U.S. EPA Method 3546 or 3572M/8082			
Clearance Sampling - Structural Steel Members and other surfaces within the Exterior Frame		Wipe	Lead	U.S. EPA Method 3050M/6010B	Refer to Figure 18-4 for Location and Figure 18-15 for the Location and Sample Identification Approach, respectively.		
		Wipe	PCBs	U.S. EPA Method 3546 or 3572M/8082			
Confirmation Sampling - Scaffolding	Confirmation wipe samples will be collected prior to mobilization	Wipe	Lead	U.S. EPA Method 3050M/6010B	Refer to Figure 18-15 for the Location and Sample Identification Approach	5 samples of scaffolding per enclosure	FPM-SWS-21
		Wipe	PCBs	U.S. EPA Method 3546 or 3572M/8082			
Confirmation Sampling - Enclosure Material	Confirmation wipe samples will be collected prior to mobilization	Wipe	Lead	U.S. EPA Method 3050M/6010B	Refer to Figure 18-15 for the Location and Sample Identification Approach	5 samples of enclosure material per enclosure	FPM-SWS-21
		Wipe	PCBs	U.S. EPA Method 3546 or 3572M/8082			
Upwind and Downwind PAM Stations	Background sampling prior to abatement activities	Air	Lead	U.S. EPA Method 3050M/6010B	Refer to Figure 18-15 for the Sample Identification Approach.	Daily [a]	FPM-CAS-21
		Air	PCBs	TO-10A (modified)			

Worksheet #18-1: Confirmation, Clearance, Air, and Soil Sampling Locations and Methods

Task	Rationale	Matrix	Analytical Group	Analytical Method	Proposed Location and Sample ID	Frequency	SOP
Baseline Soil Sampling	Soil sampling in the soil adjacent to Hangar 1 prior to abatement activities to establish background concentrations.	Soil	Lead	U.S. EPA Method 3050M/6010B	Refer to Figure 18-15 for the Sample Identification Approach.	1 incremental sample per 1000 ft^2 of exposed soil	FPM-CSS-21
		Soil	PCBs	U.S. EPA Method 3546/ 8082			

Abbreviations

ft^2 : Square Foot
PAM: Perimeter Air Monitoring
PCB: Polychlorinated Biphenyl
PM10: Particulate Matter 10 Micrometers in Diameter or Less
SOP: Standard Operating Procedure
U.S. EPA: United States Environmental Protection Agency

Notes

[a] All media blasting activities involving PCB- and lead-impacted paint will be conducted within fully encapsulated negative-pressure enclosures. It is anticipated that up to 32 enclosures will be constructed over the course of abatement activities. If the Action Levels for PCBs and lead are not exceeded during the first five days of media blasting within each enclosure, the collection of air samples for PCBs and lead will be discontinued. If the Action Level for either PCBs or lead is exceeded during the initial sampling within each enclosure, then air sampling for the analyte that exceeded its Action Level will continue until the Action Level is not exceeded at any PAM station for 3 consecutive work days.

Worksheet #19 and 30: Sample Containers, Preservation, Hold Times

Analytical Group	Matrix	Method/SOP	Accreditation Expiration Date	Container(s) (number, size & type) [a]	Preservation	Preparation/ Analytical Holding Time	Data Package Turnaround
Lead	Wipe	U.S. EPA Method 3050B/6010B/SOP F-0016	CAELAP: 10/31/2022	1 jar	Cool to ≤6°C	180 days	1-Day TAT [b]
PCBs		U.S. EPA Method 3546 or 3572M/8082/SOP H-0020, SOP H-0004, SOP H-0019	CAELAP: 10/31/2022	1 jar	Cool to ≤6°C	365 days	Standard TAT [c]
Lead	Air	U.S. EPA Method 3050B/6010B/SOP F-0016	CAELAP: 10/31/2022	1 jar	Cool to ≤6°C	180 days	1-Day TAT [b]
PCBs		U.S. EPA Method TO-10A (modified)/SOP H-0004 and SOP H-0020	N/A	1 jar	Cool to ≤6°C	365 days	1-Day TAT [b]
Lead	Bulk	U.S. EPA Method 3050B/6010B/SOP F-0016	CAELAP: 10/31/2022	1 8-oz jar	Cool to ≤6°C	180 days	Standard TAT [c]
PCBs		U.S. EPA Method 3546/8082/SOP H-0004	CAELAP: 10/31/2022	1 8-oz jar	Cool to ≤6°C	365 days	Standard TAT [c]
Asbestos		PLM U.S. EPA /600R-93-116/SOP III A and SOP III B	CAELAP: 10/31/2022	Polyethylene, glass jar, or Ziplock bag	Cool to ≤6°C	>30 days	Standard TAT [c]
Lead	Soil	U.S. EPA Method 3050B/6010B/SOP F-0016	CAELAP: 10/31/2022	Resealable Ziplock bags	Cool to ≤6°C	180 days	Standard TAT [c]
PCBs		U.S. EPA Method 3546/8082/SOP H-0004	CAELAP: 10/31/2022	Resealable Ziplock bags	Cool to ≤6°C	365 days	Standard TAT [c]

Worksheet #19 and 30: Sample Containers, Preservation, Hold Times

Analytical Group	Matrix	Method/SOP	Accreditation Expiration Date	Container(s) (number, size & type) [a]	Preservation	Preparation/ Analytical Holding Time	Data Package Turnaround
Metals	Solid Waste	U.S. EPA Method 3050B/6010B/SOP F-0016	CAELAP: 10/31/2022	1 8-oz jar	Cool to ≤6°C	180 days	Standard TAT [c]
PCBs		U.S. EPA Method 3546/8082/SOP H-0004	CAELAP: 10/31/2022	1 8-oz jar	Cool to ≤6°C	365 days	Standard TAT [c]
Metals	Wastewater	U.S. EPA Method 3010/6010B/SOP F-0016	CAELAP: 10/31/2022	1 250-mL high density polyethylene	Cool to ≤6°C: HNO_3 to pH<2	180 days	Standard TAT [c]
PCBs		U.S. EPA Method 3510/8082/SOP H-0004	CAELAP: 10/31/2022	1 1-L amber	Cool ≤6°C	365 days	Standard TAT [c]

Acronyms and Abbreviations:

CAELAP: California Environmental Laboratory Accreditation Program
HNO_3: Nitric Acid
NVLAP: National Voluntary Laboratory Accreditation Program
PCB: Polychlorinated Biphenyl
pH: Power of Hydrogen
PLM: Polarized Light Microscopy
SOP: Standard Operating Procedure
TAT: Turnaround Time
TO: Toxic Organic
U.S. EPA: United States Environmental Protection Agency

Notes:

[a] All containers will be certified clean from the analytical laboratory and Teflon-lined caps will be used.
[b] A 1-Day TAT signifies receipt of preliminary analytical results one business day following the receipt of the samples at the analytical laboratory.
[c] A Standard TAT signifies receipt of preliminary analytical results five to seven business days following the receipt of the samples at the analytical laboratory.

Worksheet #23: Analytical SOPs

Enthalpy SOP#	Title	Revision No.	Effective Date	Definitive or Screening Data	Matrix/ Analytical Group	SOP Option or Equipment Type	Modified for Project Work? (Y/N)
F-0009	Solid Sample Prep by U.S. EPA 3050B	2	22-Nov-21	Preparative	Solids/ Metals Analysis	HotBlock	N
F-0016	Metals by ICP	3	22-Nov-21	Definitive	Solids/ Metals Analysis	ICP	N
H-0004	PCBs by U.S. EPA 8082 and 608.3	5	22-Dec-22	Definitive	Solids/ GC Semivolatiles	GC-Dual ECD	N
H-0019	PCB Extraction by EPA 3572 (Modified)	4	21-Dec-22	Preparative	Solids/ Organic Extraction	Shaker Table	Y
H-0020	U.S. EPA 3541, Automated Soxhlet	0	20-Aug-21	Preparative	Solids/ Organic Extraction	Soxtherm	N
J-0006	Sample Receiving Procedures	1	23-Aug-17	N/A	All samples	N/A	N
J-0010	Hazardous Waste Disposal	1	27-Oct-17	N/A	All samples	N/A	N
J-0023	Multi-Incremental Sub-Sampling	5	21-Aug-20	Preparative	Bulk Materials	N/A	N
III-A	Analysis of Asbestos in Non-Friable and Other Special Materials by PLM	2	1-Jul-19	Definitive	Bulk Materials/ Asbestos	PLM	N
III-B	Analysis of Asbestos in Bulk Building Material by PLM	7	18-Apr-19	Definitive	Bulk Materials/ Asbestos	PLM	N

Acronyms and Abbreviations:

ECD: Electron Capture Detector
GC: Gas Chromatography
ICP: Inductively Coupled Plasma
PCB: Polychlorinated Biphenyls
PLM: Polarized Light Microscopy
SOP: Standard Operating Procedure
U.S. EPA: United States Environmental Protection Agency

Worksheet #28-4: Analytical Quality Control and Corrective Action for PCBs in Wipe Samples

Matrix:	Wipe Samples
Analytical Group:	PCBs
Analytical Method:	U.S. EPA Method 8082
Extraction Method(s):	U.S. EPA Method 3546 or U.S. EPA Method 3572 (Modified)

QC Sample	Frequency	Method/SOP QC Acceptance Limits & Measurement Performance Criteria	Corrective Action	Person(s) Responsible for Corrective Action	Data Quality Indicator
Method Blank	1 per 20 samples or 1 per batch if less than 20 samples	<QL	Re-prepare batch	Prep technician	Contamination
LCS/LCSD	1 per 20 samples or 1 per batch if less than 20 samples	60-140% of expected value; ≤20% RPD between LCS and LCSD	Re-prepare batch	Prep technician	Accuracy and precision of method & technique
Internal Standards (Extraction by EPA Method 3572M)	Every standard, sample, method blank, and QC sample	TCMX: 52-186% Recovery DCB: 50-150% Recovery	Dilute and re-analyze	Analyst	Matrix effects
Internal Standards (Extraction by EPA Method 3546)	Every standard, sample, method blank, and QC sample	TCMX and DCB: 19%-121% Recovery	Dilute and re-analyze	Analyst	Matrix effects
ICAL	Initially and whenever required by failure of CCV	Acceptable ICV, QL check standard, and ICB standard	Re-calibrate	Analyst	Correlation of instrument response to concentration

Worksheet #28-4: Analytical Quality Control and Corrective Action for PCBs in Wipe Samples

Matrix:	Wipe Samples
Analytical Group:	PCBs
Analytical Method:	U.S. EPA Method 8082
Extraction Method(s):	U.S. EPA Method 3546 or U.S. EPA Method 3572 (Modified)

QC Sample	Frequency	Method/SOP QC Acceptance Limits & Measurement Performance Criteria	Corrective Action	Person(s) Responsible for Corrective Action	Data Quality Indicator
ICV [a]	Immediately following ICAL and prior to sample analysis	85-115% of expected concentration	Re-run once; if still out, re-calibrate	Analyst	Accuracy of primary source
CCV	Beginning of each run	85%-115% of expected concentration	Re-run once; if still out, re-calibrate	Analyst	On-going accuracy of calibration

Acronyms and Abbreviations:

CCV: Continuing Calibration Verification
DCB: Decachlorobiphenyl
ICAL: Initial Calibration
ICB: Initial Calibration Blank
ICV: Initial Calibration Verification
LCS: Laboratory Control Sample
LCSD: Laboratory Control Sample Duplicate
PCB: Polychlorinated Biphenyl
QAPP: Quality Assurance Project Plan
QC: Quality Control
QL: Quantitation Limit
RPD: Relative Percent Difference
SOP: Standard Operating Procedure
TCMX: Tetrachloro-m-xylene
U.S. EPA: United States Environmental Protection Agency

Notes:

[a] At midpoint of initial calibration concentration range. ICV standards should be prepared from a different source than ICAL standards.

Worksheet #36-1: Stage 3 Data Validation Consultant Data Validation Procedures

Data Validator:	Lab Data Consultants, Inc.	
Analytical Group/Method:	Lead - NIOSH 3050M/U.S. EPA Method 6010B	PCBs - U.S. EPA Method 3546 or 3572M/8082B/TO-10A
Data Deliverable Requirements:	S3VEM	S3VEM
Analytical Specification:	F-0009 and F-0016	H-0019, H-0004, and H-0020
Measurement Performance Criteria:	See Worksheets #12-1, 12-2, and 12-3	See Worksheets #12-4, 12-5, and 12-6
Percent of Data Packages to be Validated:	10%	10%
Percent of Raw Data Reviewed:	10%	10%
Percent of Results to be Recalculated:	10%	10%
Validation Procedure:	Stage 3	Stage 3
Validation Code:	S3VEM	S3VEM
Electronic Validation Program/Version:	Not Applicable	Not Applicable

The following are definitions of the data qualifiers utilized during data validation:

J - Estimated:	The compound or analyte was analyzed for and positively identified by the laboratory; however, the reported concentration is estimated due to non-conformances discovered during data validation.
U - Non-Detected	The compound or analyte was analyzed for but was not detected above the reported sample quantitation limit (or reporting limit).
UJ - Non-Detected, Estimated	The compound or analyte was reported as not detected by the laboratory; however, the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
R - Rejected	The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

Acronyms and Abbreviations:

NIOSH: National Institute for Occupational Safety and Health
PCB: Polychlorinated Biphenyl
S3VEM: Stage 3 Validation Electronic and Manual
U.S. EPA: Environmental Protection Agency

Worksheet #36-2: Stage 2A Data Validation Consultant Data Validation Procedures

Data Validator:	Lab Data Consultants, Inc.	
Analytical Group/Method:	Lead - NIOSH 3050M/U.S. EPA Method 6010B	PCBs - U.S. EPA Method 3546 or 3572M/8082B/TO-10A
Data Deliverable Requirements:	S2AVEM	S2AVEM
Analytical Specification:	F-0009 and F-0016	H-0019, H-0004, and H-0020
Measurement Performance Criteria:	See Worksheets #12-1, 12-2, and 12-3	See Worksheets #12-4, 12-5, and 12-6
Percent of Data Packages to be Validated:	90%	90%
Percent of Raw Data Reviewed:	0%	0%
Percent of Results to be Recalculated:	0%	0%
Validation Procedure:	Stage 2A	Stage 2A
Validation Code:	S2AVEM	S2AVEM
Electronic Validation Program/Version:	Not Applicable	Not Applicable

The following are definitions of the data qualifiers utilized during data validation:

J - Estimated:	The compound or analyte was analyzed for and positively identified by the laboratory; however, the reported concentration is estimated due to non-conformances discovered during data validation.
U - Non-Detected	The compound or analyte was analyzed for but was not detected above the reported sample quantitation limit (or reporting limit).
UJ - Non-Detected, Estimated	The compound or analyte was reported as not detected by the laboratory; however, the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
R - Rejected	The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

Acronyms and Abbreviations:

NIOSH: National Institute for Occupational Safety and Health
PCB: Polychlorinated Biphenyl
QAM: Quality Assurance Manager
S2AVEM: Stage 2A Validation Electronic and Manual
U.S. EPA: United States Environmental Protection Agency

Attachment 2

Analytical SOP H-0019

ENTHALPY ANALYTICAL
931 W. Barkley Ave.
Orange, CA 92868

STANDARD OPERATING PROCEDURE

EPA METHOD 3580A MODIFIED
EPA METHOD 3572 MODIFIED

EXTRACTION BY DILUTION AND MICROEXTRACTION

SOP Number: H-0019
Prepared By: Dave Dawes
Effective Date: 12/21/2022

Revision: 4
Supersedes: 3

Approved By:	Signature:	Date:
Hongling Cao Technical Director	Hongling Cao	12/21/22
Dave Dawes QA Director	Dave Dawes	12/21/22
Reapproved By:	**Signature:**	**Date:**

1.0 SCOPE AND APPLICATION

1.1. The test methods described in this SOP are EPA Method 3580A, Extraction by Dilution, and EPA Method 3572, Extraction from Wipe Samples Using Microextraction.

1.1.1. The 3580A extraction procedure is applicable to non-aqueous liquids (such as oils).

1.1.2. The 3572 extraction is employed for wipes

1.1.3. This SOP modifies these methods for use with a shaker table and for extraction of some solid matrices (soils, sludges, and wastes) which contain or are suspected of containing high concentrations of non-aqueous liquids

1.2. See the applicable analytical methods for detection limits.

1.3. This SOP describes a procedure for extracting hydrocarbons and semivolatile organic compounds from the sample matrices specified in section 1.1.

1.4. The SOP also describes cleanup techniques suitable for preparing the extract for EPA methods 8082/8082A and 8015M.

2.0 SUMMARY

An aliquot of sample is mixed with extraction solvent. The sample is either vortexed or placed on a shaker table after appropriate spikes are added. The extract is then ready for cleanup and/or analysis.

3.0 DEFINITIONS

3.1. Reporting Detection Limit (RL)/Limit of Quantitation (LOQ): The lowest concentration that can be measured with the consideration for practical limitations such as sample size, matrix interferences and dilutions

3.2. Method Detection Limit (MDL): Minimum concentrations of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The sample is carried through the entire method under ideal conditions. This is performed initially or whenever there are significant changes to the method or instrument. Verifications are performed on a quarterly basis.

3.3. Batch: A set of 20 or fewer field samples of the same fundamental matrix and prepared/analyzed by the same method with the same reagents/standards by the same staff within a 24-hour period.

3.4. Method Blank (MB): An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank is to be carried through the complete sample preparation and analytical procedure. It is used to assess contamination resulting from the analytical process. A minimum of one method blank must be included with each set of 20 or fewer samples.

3.5. Laboratory Control Sample (LCS): An aliquot of laboratory reagent blank to which known quantities of the method analytes are added in the laboratory. The LCS is to be carried through the complete sample preparation and analytical procedure and is used to evaluate ongoing

laboratory performance and analyte recovery in a clean matrix. A minimum of one LCS must be included with each set of 20 or fewer samples.

3.6. Matrix Spike (MS): An aliquot of environmental sample to which known quantities of the method analytes are added in the laboratory. The addition occurs prior to sample preparation and analysis. The spiking volume should be limited to 5% or less of the sample volume. The MS is to be carried through the complete sample preparation and analytical procedure and is used to determine whether the sample matrix contributes any bias to the analytical results. A minimum of one MS must be included with each set of 20 or fewer samples.

3.7. The background concentration of the analytes in the sample matrix must be determined in a separate aliquot of sample and the measured value in the MS corrected for the background concentration. Through this, the recovery of the spiked analytes can be determined and matrix bias, if any, can be observed.

3.8. Matrix Spike Duplicate (MSD): A duplicate of the Matrix Spike used to determine the precision and bias of a method in a given sample matrix. A minimum of one MSD must be included with each set of 20 or fewer samples.

3.9. Duplicate (DUP): A randomly-selected or client-assigned sample that is processed through the entire sample preparation and analytical procedure twice. Analysis of the sample duplicate can indicate precision associated with the laboratory procedures by removing variations contributed by sample collection, preservation, and storage procedures. For clients that require a duplicate to be analyzed, a minimum of one DUP must be included with each set of 10/20 or fewer samples. A minimum of one DUP must be included with each set of 10/20 or fewer samples.

3.10. Surrogate (SUR): Surrogates are most commonly used to monitor the performance of organic analyses using methods. Surrogate spikes are added to field samples and QC samples at known amounts, and their recoveries are used to assess matrix effects and, to some extent, verify proper processing and instrument performance for each sample. The analytes used as surrogates mimic the behavior of the target analyte(s) throughout sample preparation and instrument determination.

3.11. Demonstration of Capability (DOC)**:** Before an analyst can perform a method independently, an initial demonstration of capability (IDOC) must be performed satisfactorily. An IDOC may vary depending on the methodology but its purpose is to demonstrate that the analyst can achieve acceptable accuracy and precision, usually by the analysis of replicate spikes. A continuing demonstration of capability (CDOC) must be performed per analyst annually and can consist of either the same type of data as the IDOC or a single passing PT result.

3.12. Control Limits: Calibration and QC samples such as LCS/LCSD, MS/MSD, or DUP all have established control limits to specify acceptable accuracy and/or precision.

4.0 INTERFERENCES

4.1. Wet samples will result in low recoveries of target analytes. The samples are dried by mixing the wet sample with anhydrous sodium sulfate.

4.2. Solvents, reagents, glassware and other sample processing hardware may yield discrete artifacts and/or elevated baselines, causing misinterpretation of the chromatograms. All of these materials must be demonstrated to be free from interferences.

4.3. Phthalate interference shall be minimized by ensuring that samples, their extracts, and all reagents used in the method never come into contact with plastic materials. Sample vial caps with plastic liners are not to be used.

4.4. See the appropriate analytical SOP for specific interferences.

5.0 SAFETY

5.1. Assume all samples contain hazardous and/ or potentially toxic materials; lab coat, gloves and safety glasses should be worn at all times while handling samples.

5.2. Many of the compounds analyzed by this method are carcinogenic. Methanol, acetone, methylene chloride and hexane are toxic and/or flammable and should be considered dangerous. Handle chemicals while wearing approved gloves. Additionally, always wear a lab coat and safety glasses. Samples should be considered hazardous: avoid exposure, skin contact, inhalation or ingestion.

6.0 EQUIPMENT AND SUPPLIES

6.1. Laboratory balance, reads to 0.01g

6.2. 40 mL VOA vials or 12 mL vials

6.3. 2 mL GC vials

6.4. Vortex mixer

6.5. Shaker table

6.6. Glass pasture pipettes

6.7. Vacuum filtering manifold

6.8. Silica Gel Cartridge

6.9. Conc. Sulfuric acid

7.0 REAGENTS AND STANDARDS

7.1. Dichloromethane – ACS Grade

7.2. Hexanes – ACS Grade

7.3. Anhydrous Sodium Sulfate – ACS Grade. Dry at 450°C for 1 hour 15 minutes.

7.4. Criteria for Standards:

7.4.1. The standards described within this SOP are those that are used for sample and batch QC preparation. For other standards, refer to the appropriate analytical SOP.

7.4.2. Primary and Secondary standards must be purchased from a different source, either from different vendors, or different lot numbers from the same vendor.

7.4.3. Commercially prepared stock standard solutions can be used at any concentration if they are certified by the manufacturer or by an independent source.

7.4.4. Store the standard solutions (stock, composite, calibration, internal, and surrogate) at 4°C in polytetrafluoroethylene (PTFE)-sealed containers in the dark. When standards are prepared in high volume, it is recommended that aliquots of that lot be stored in individual small vials. All stock standard solutions must be replaced after one year of opening or sooner if routine QC tests indicate a problem. All other standard solutions must be replaced after six months or sooner if routine QC indicates a problem.

7.4.5. Commercially prepared spiking solutions are acceptable. The concentration for semivolatile/nonvolatile organic and pesticide analyses should be such that a 0.5 mL aliquot into 1000 mL of a sample provides a concentration of 10 times the quantitation limit or near the mid-point of the calibration curve. Where volumes of less than 1000 mL are extracted, adjust the volume of surrogate standard proportionately. For other matrices, 0.5 mL of surrogate standard is used to spike.

7.5. **8015M Standards:** See **Attachment 1**

7.6. **8081A/608 Standards:** See **Attachment 2**

7.7. **8082/8082A/608 Standards:** See **Attachment 3**

7.8. **8270C/625 Standards:** See **Attachment 4**

7.9. **PAH_SIM (8270CM) Standards:** See **Attachment 5**

7.10. **1,4 Dioxane (1625, 8270M) Standards:** See **Attachment 6**

8.0 SAMPLE COLLECTION, PRESERVATION, SHIPMENT AND STORAGE

Table 1: Preservation, Container, Holding Time

Method	Matrix	Container	Preservation	Hold Time
8015B, 8081A, 8270C/CM, 1625	Solid	Glass Jar	<6°C, but not Frozen	Extract within 14 days, analyze extract within 40 days
8082	Solid	Glass Jar	<6°C, but not Frozen	Extract within 14 days, analyze extract within 40 days[8.1]
8082A	Soild	Glass Jar	<6°C, but not Frozen	Not specified

8.1. The method for analysis of PCBs, EPA 8082/8082A (SW846 update III), specifies a holding time of 14 days from extraction and 40 days from extraction to analysis. However, newer versions of this same method in SW846 updates IV and V indicate PCBs in solids have no holding time either to extraction or analysis.

9.0 QUALITY CONTROL

9.1. Method Blank (MB): Each batch of up to 20 samples must have a MB that is processed in the same manner as the samples. The MB result must be less than the analytical method's reporting limit (RL).

9.2. Laboratory Control Spike (LCS): Each batch of up to 20 samples must have an LCS that is processed in the same manner as the samples. The LCS recovery must be within the defined control limits. The control limits may be based on method default values or values calculated from control charts.

9.3. Laboratory Control Spike Duplicate (LCSD): An LCSD may be extracted for a batch if there is a client requirement for this QC, or if there is not enough sample to perform MS and MSD. The LCSD is processed in the same manner as the samples. The LCSD recovery and RPD must be within the defined control limits. The control limits may be based on method default values or values calculated from control charts.

9.4. Matrix Spike (MS) and Matrix Spike Duplicate (MSD): Each batch of up to 20 samples must have an MS and an MSD that is processed in the same manner as the samples. The MS and MSD recovery and the MSD RPD must be within the defined control limits. The control limits are may be based on method default values or values calculated from control charts.

9.5. Sample Duplicate (DUP): A DUP is a separate aliquot of sample that may be extracted for a batch if there is a client requirement for this QC. The DUP result must be within the RPD control limit. The control limits are may be based on method default values or values calculated from control charts.

9.6. Surrogate (SUR): Every sample in the batch (including QC samples) must be spiked with surrogate. Surrogate recovery must be within the defined control limits. The control limits may be based on method default values or values calculated from control charts.

9.7. See the appropriate analytical SOP for data assessment and corrective action procedures.

10.0 CALIBRATION AND STANDARDIZATION

10.1. Balances are calibrated by an external vendor annually. The calibration is verified each day that the balance is used.

10.2. See the appropriate analytical SOP for other calibration requirements.

11.0 PROCEDURE

11.1. <u>Sample Preparation and Extraction:</u>

11.1.1. Label the extraction vessels (40 mL VOA vials, 12 mL vials, or glass jars) with appropriate numbers.

11.1.2. Mix sample thoroughly, especially composite samples. Grind, cut or otherwise homogenize samples in a manner that is appropriate for the particular matrix.

11.1.3. For samples other than wipes, weigh out the following amounts of sample, depending on the analysis to be performed:

11.1.3.1. 8015M: 20g

11.1.3.2. 8081/8082/8082A/8270C/8270CM/1625M: 1g

11.1.4. For wipes, place the entire wipe in the extraction vessel.

11.1.5. Prepare the MB and the LCS by weighing two aliquots of blank, baked, sand using the appropriate amount of sand according to section 11.1.3). For wipes, use clean wipes similar to those used for collecting the wipe samples.

11.1.6. Prepare MS and MSD by weighing out two more aliquots of a sample in the batch. MS/MSD is not applicable to wipes.

11.1.7. As necessary, blend soil samples with anhydrous sodium sulfate until the sample is dry and free flowing. Do not use anhydrous sodium sulfate if the sample is an oil or other non-aqueous liquid.

11.1.8. Spike the LCS and MS/MSD with the appropriate spiking standard mix.

Table 2: LCS/LCSD and MS/MSD Spiking

Method	Spiking Solution	Conc of Spiking Solution (ug/mL)	uL to Spike (see 11.1.11)	mL of Final Extract (see 11.1.11)	Solvent
8015M	Diesel Fuel Spike	5000	100	10	Methyene Chloride
8081A	Pesticide Mix	1	500	10	Hexane
8082/8082A	PCB AR 1016/1260 Mix	10	500	10	Hexane
8270C	8270 LCS Mix	80	500	10	Methyene Chloride
8270C-SIMPAH	SIM PAH LCS Mix	2	500	10	Methyene Chloride
1625M	1625 Soil LCS	2	500	10	Methyene Chloride

11.1.9. 8082/8082ASpike all batch QC and samples with the appropriate surrogate mix.

Table 3: Surrogate Spikes

Method	Surrogate Solution	Conc of Surrogate Solution (ug/mL)	uL to Spike (see 11.1.11)	mL of Final Extract (see 11.1.11)	Solvent
8015M	n-Triacontane	2000	100	10	Methyene Chloride
8081A/8082/8082A	TCMX/DBP	1	500	10	Hexane
8270C	8270 Surrogate Mix	80	500	10	Methyene Chloride
8270C-SIMPAH	SIM PAH Surrogate Mix	2	500	10	Methyene Chloride
1625M	1625 Soil Surrogate	2	500	10	Methyene Chloride

11.1.10. 8082/8082A Add 10 ml of DCM into the VOA vials containing the sample for 8015M.

11.1.11. ***NOTE: For wipes, depending on the size, the spike and final extract volumes may need to be increased proportionally.***

11.1.12. ***8082/8082A***Securely cap each vessel.

11.1.13. Samples are either extracted on a vortex mixer for 2 minutes or placed on a shaker table for one hour. When using a shaker table, record the start and end times.

11.1.14. Let the sample settle, then transfer 1 to 2 mL of extract using a pasture pipette into labeled 2 mL GC vials.

11.1.15. If no further cleanup is required by determinative method, then submit final extract for analysis. If cleanup is required, proceed to the required cleanup procedure in section 11.3. Note that 8081A, 8082/8082A, and 8270C/CM require internal standards to be added prior to analysis. See those SOPs for internal standard spiking information.

11.2. Sample Concentration:

NOTE: Usually sample concentration is not required for this extraction method. If it is required then refer to SOP 3550B.

11.3. Cleanup Procedures:

Note: Currently, the Laboratory only performs Silica Gel cleanup for Method 8015M and Acid cleanup for Method 8082/8082A.

Note: Any cleanup procedure performed on a sample must also be performed on MB, LCS and MS/MSD (only cleanup MS/MSD if the source sample needs cleanup).

11.3.1. Silica Gel cleanup:

11.3.1.1. Set up the vacuum filtering manifold, attach as many Silica Gel cartridges as needed. Turn the vacuum on and filter through about 3 mL of Pesticide grade DCM to condition the cartridge. Once all the DCM has passed through, place labeled 40 mL glass vials underneath the cartridge for collection of the sample.

11.3.1.2. Filter about 4 mL of extract through cartridge. Transfer the collected sample to 2 mL vial for analysis.

11.3.2. Acid cleanup:

11.3.2.1. This procedure is performed for 8082/8082A samples if the sample(s) to be extracted are dark or oily and need to be extracted by weight. The acid cleanup procedure minimizes interferences.

11.3.2.2. Using a glass pasture pipette transfer slightly less than 2 mL of the final extract to a clean, 2 mL vial.

11.3.2.3. Slowly add a few drops of concentrated sulfuric acid to the vial. Cap the vial and shake the mixture. Let the mixture settle for 10 minutes. After 10 minutes, the mixture will separate into two layers.

11.3.2.4. Transfer a portion of the solvent layer (top layer) into a 2 mL vial for analysis.

12.0 CALCULATIONS

12.1. See the applicable analytical SOP.

13.0 METHOD PERFORMANCE

13.1. MDL: A seven-replicate initial MDL study is required before the method can be used to report samples. In addition, two MDL verification replicates are to be performed quarterly. Annually, the MDL verifications and Method Blanks are reviewed and the existing MDL is either verified or updated.

13.2. IDOC/CDOC: Every analyst must perform an IDOC before performing analyses on any client samples without direct supervision. An IDOC consists of 4 consecutive LCS samples with an

average recovery and RSD within LCS limits. A continuing DOC must be performed annually. A CDOC can be 4 consecutive LCSs at mid-level or a passing PT.

13.3. CONTROL LIMITS: LCS and DUP limits are reviewed on a periodic basis and updated as necessary.

14.0 POLLUTION PREVENTION

14.1. Prepare only sufficient standard and reagent volume that can be used within the expiration date, to reduce the volume of waste generated by the laboratory and to reduce production costs.

15.0 WASTE MANAGEMENT

15.1. Hazardous wastes generated are properly disposed of in accordance to existing federal and state regulations.

16.0 REFERENCES

16.1. EPA Method 3580A, Extraction by Dilution, July 1992

16.2. EPA Method 3500B, Organic Extraction and Sample Preparation, December 1996.

16.3. EPA Method 3572, Extraction of Chemical Agents from Wipe Samples Using Microextraction, Revision 1, July 2014

17.0 ATTACHMENTS

17.1. **Attachment 1**: 8015B Standards

17.2. **Attachment 2**: 8081A Standards

17.3. **Attachment 3**: 8082/8082A Standards

17.4. **Attachment 4**: 8270C Standards

17.5. **Attachment 5**: 8270CM Standards

17.6. **Attachment 6**: 1625M Standards

18.0 METHOD MODIFICATIONS

18.1. 3580A has been modified to extract solid samples which contain or are suspected of containing high concentrations of non-aqueous liquids.

18.2. 3572 has been modified to add the option for the extraction of samples on a shaker table and not just with a vortex mixer

18.3. 3572 has been modified to require samples be vortexed for 2 minutes rather than the 30 seconds specified.

18.4. When extracting samples under these modifications, the end user must be made aware that this is a modified procedure.

19.0 DOCUMENT REVISION HISTORY

Date	Description of Revision
December 2022 (Revision 4)	• Added references to the extraction of wipes UNDER SPECIFIC CIRCUMSTANCES • Specified that use of this method for matrices other than non-aqueous liquids is a modification and must be noted as such in final reports • Added the provision for batch extraction of samples using a shaker table on which samples are agitated for one hour • Removed spike witnessing procedure • Added references to EPA 3572 • Added reference to EPA 8082A • Updated holding time table to indicate 8082A has not specified HT • Reformatted spike and surrogate amounts in tables • Added note that wipe samples may require a larger final extract volume
June 2022 (Revision 3)	• Corrected typographical error in **Table *1***
April 2022 (Revision 2)	• Added clarification on holding time requirements for PCBs in section 8.1 • Added requirement to follow “spike witnessing” procedures • Added Surrogate to QC section 9.6 • Consolidated sections on “Identification of Test Method, “Applicable Matrices”, “Detection Limit” under “Scope and Application” • Consolidated sections on “Data Assessment”, “Corrective Actions”, and “Contingencies” under “Quality Control”
May 2019 (Revision 1)	• Added spike preparations as attachments
April 2019 (Revision 0)	• New SOP

Attachment 1: 8015M Standards

1. **Stock Standards:**

    a. **Surrogate Standard**: n-Triacontane-d62, Neat

    b. **Diesel Spike Standard**: Diesel fuel in DCM, 20,000 mg/L

    Note: Some stock standards may need to be sonicated before use. Please read manufactures label carefully.

2. **Working Standards**:

    a. Surrogate Standard, 2000 µg/mL

    Dissolve 50 mg of stock, Neat powder, into 5 mL of pesticide grade DCM in a 25 mL volumetric flask. Bring the volume up to 1 L using DCM.

Surrogate Spiking Solution				
Stock Standard	Initial Conc.	mg of Stock Standard	Final Vol, mL	Final Conc., µg/mL
n-Triacontane-d62	Neat	50	25	2000

Attachment 2: 8081A Standards

1. **Stock Standards:**

   a. **Surrogate Standard**: Pesticide Surrogate Mix, 200 µg/mL of Decachlorobiphenyl and Tetrachloro-m-xylene, (Restek)

   b. **Pesticide Spike Standard**: Pesticide Mix, 2 mg/mL (Accustandard)

   Note: Some stock standards may need to be sonicated before use. Please read manufactures label carefully.

   Note: β-BHC, Dieldrin, and some other compounds may not be adequately soluble in isooctane. A small amount of acetone or toluene should be used to dissolve these compounds during the preparation of the stock standard solutions.

2. **Working Standards**:

   a. Surrogate Standard, 1 µg/mL

   Mix 1 mL of stock surrogate in to 50 mL of 1:1 Hexane:Acetone in a 200 mL volumetric flask. Bring up to volume using 1:1 Hexane:Acetone.

Surrogate Spiking Solution				
Stock Standard	Initial Conc., µg/mL	mL of Stock Standard	Final Vol, mL	Final Conc., µg/mL
Surrogate Mix	200	1	200	1

   b. Pesticide Spike Standard, 1 µg/mL

   Mix 50 µL of the stock spike mix into 50 mL of 1:1 Hexane:Acetone in a 100 mL volumetric flask. Bring it up to volume with 1:1 Hexane:Acetone.

Spiking Solution				
Stock Standard	Initial Conc., mg/mL	µL of Stock Standard	Final Vol, mL	Final Conc., µg/mL
Pesticide Mix	2	50	100	1

Attachment 3: 8082/8082A Standards

1. **Stock Standards:**

   a. **Surrogate Standard:** Pesticide Surrogate Mix, 200 µg/mL of Decachlorobiphenyl and Tetrachloro-m-xylene, (Restek)

   b. **PCB Spike Standards**: Purchased from Accustandard

      i. Aroclor 1016, 1000 µg/mL
      ii. Aroclor 1221, 1000 µg/mL
      iii. Aroclor 1232, 1000 µg/mL
      iv. Aroclor 1242, 1000 µg/mL
      v. Aroclor 1248, 1000 µg/mL
      vi. Aroclor 1254, 1000 µg/mL
      vii. Aroclor 1260, 1000 µg/mL
      viii. Aroclor 1262, 1000 µg/mL
      ix. Aroclor 1268, 1000 µg/mL

   Note: Some stock standards may need to be sonicated before use. Please read manufactures label carefully.

2. Working Standards:

   a. Surrogate Standard, 1 µg/mL

   Mix 1 mL of stock surrogate in to 50 mL of 1:1 Hexane:Acetone in a 200 mL volumetric flask. Bring up to volume using 1:1 Hexane:Acetone.

Surrogate Spiking Solution				
Stock Standard	Initial Conc., µg/mL	mL of Stock Standard	Final Vol, mL	Final Conc., µg/mL
Surrogate Mix	200	1	200	1

   b. PCB Spike Standard, 10 µg/mL:

   The preparation of a mix of PCBs 1016 and 1260 is described in the table below, however other two PCB combinations may be prepared and spiked into batch QC.

   Mix 0.5 mL of each Aroclor 1016 and 1260 in to 20 mL of 1:1 Hexane:Acetone in a 50 mL volumetric flask. Bring it up to volume using 1:1 Hexane:Acetone.

Spiking Solution				
Stock Standard	Initial Conc., µg/mL	mL of Stock Standard	Final Vol, mL	Final Conc., µg/mL
PCB 1016	1,000	0.5	50	10
PCB 1260	1,000	0.5	50	10

Attachment 4: 8270C Standards

1. **Stock Standards:**

   a. **Acid Surrogate Standard:** 10,000 µg/mL each of Phenol-d_6, 2,4,6-Tribromophenol & 2-Fluorophenol (Restek)

   b. **Base/Neutral Surrogate Standard:** 5,000 µg/mL each of Nitrobenzenene-d_5, Terphenyl-d_{14}, 2-Fluorobiphenyl, Pyrene d_{10} (Restek)

   c. **BNA Spike Standard:** 1,000 µg/mL (Restek)

   Note: Some stock standards may need to be sonicated before use. Please read manufactures label carefully.

2. **Working Standards:**

   a. BNA Surrogate Mix, 80 µg/mL:

   Mix 1.6 mL of B/N surrogate stock and 0.8 mL of acid surrogate stock in to 50 mL of 1:1 DCM:Acetone in 100 mL volumetric flask. Bring it up to volume with 1:1 DCM:Acetone.

Surrogate Spiking Solution				
Stock Standard	Initial Conc., µg/mL	mL of Stock Standard	Final Vol, mL	Final Conc., µg/mL
B/N Surrogates	5,000	1.6	100	80
Acid Surrogates	10,000	0.8	100	80

   b. BNA Spike Standard, 80 µg/mL

   Mix 2 mL of the LCS stock in to 10 mL of 1:1 DCM:Acetone in 25 mL volumetric flask. Bring it up to volume with 1:1 DCM:Acetone.

LCS Spiking Solution				
Stock Standard	Initial Conc., µg/mL	mL of Stock Standard	Final Vol, mL	Final Conc., µg/mL
8270 LCS Stock	1,000	2	25	80

Attachment 5: 8270CM Standards

1. **Stock Standards:**

   a. **Base/Neutral Surrogate Standard:** 5,000 µg/mL each of Nitrobenzenene-d_5, Terphenyl-d_{14}, 2-Fluorobiphenyl, Pyrene d_{10} (Restek)

   b. **BNA Spike Standard:** 1,000 µg/mL (Restek)

   Note: Some stock standards may need to be sonicated before use. Please read manufactures label carefully.

2. **Working Standards:**

   a. SIM PAH Surrogate, 2 µg/mL:

   Mix 20 µL of B/N surrogate in to 25 mL of 1:1 DCM:Acetone in 50 mL volumetric flask. Bring it up to volume with 1:1 DCM:Acetone.

Surrogate Spiking Solution				
Stock Standard	Initial Conc., µg/mL	µL of Stock Standard	Final Vol, mL	Final Conc., µg/mL
B/N Surrogates	5,000	20	50	2

   b. BNA Spike Standard, 2 µg/mL

   Mix 100 µL of the LCS stock in to 25 mL of 1:1 DCM:Acetone in 50 mL volumetric flask. Bring it up to volume with 1:1 DCM:Acetone.

LCS Spiking Solution				
Stock Standard	Initial Conc., µg/mL	µL of Stock Standard	Final Vol, mL	Final Conc., µg/mL
8270 LCS Stock	1,000	100	50	2

Attachment 6: 1625 Standards

1. **Stock Standards:**

   a. **8270 Internal Standards - 4,000 ug/mL:** 4,000 µg/mL each of 1,4-Dichlorobenzene-d4, 1,4-Dioxane-d8, Acenaphtene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12 and Phenanthrene-d10 (Restek)

   b. **1,4-Dioxane LCS standard:** 100 µg/mL (Ultra)

   Note: Some stock standards may need to be sonicated before use. Please read manufactures label carefully.

2. **Working Standards:**

   a. 1625 Surrogate for soil, 2 µg/mL:

   Mix 25 µL of 8270 Internal standard in to 25 mL of 1:1 DCM:Acetone in 50 mL volumetric flask. Bring it up to volume with 1:1 DCM:Acetone.

Surrogate Spiking Solution				
Stock Standard	Initial Conc., µg/mL	µL of Stock Standard	Final Vol, mL	Final Conc., µg/mL
8270 IS	4,000	25	50	2

   b. 1625 LCS for soil, 2 µg/mL

   Mix 200 µL of the LCS stock in to 5 mL of 1:1 DCM:Acetone in 10 mL volumetric flask. Bring it up to volume with 1:1 DCM:Acetone.

LCS Spiking Solution				
Stock Standard	Initial Conc., µg/mL	µL of Stock Standard	Final Vol, mL	Final Conc., µg/mL
1,4-Dioxane LCS stock	100	200	10	2

Attachment 3

MDL and RL Verification Studies

New Find Listnum: Go Show All All For SVOA-GC03 A Add Documents Clone Refresh

Listnum: 26592
Date created: 22-NOV-2022 09:55
Study Date: 18-NOV-2022 19:28:00
Effective: 18-NOV-2022 00:00
Override expiration date: 19-DEC-2023 19:28
Override mpl list:

Method: EPA 8082 PCB (29)
Prep Method: 3572M (3572)
Batch #: 301692
Login #: 473498 Mark 7 Samples as Done
Study Name (Optional):
Reviewer: DCD -

Matrix: Wipe
Partition:
User Report: -- Nowhere -- Print
View LOD Runs
Adjustments
Review App / Old MDL App

Instrument
SVOA-GC03

Analyte	Alias	Channel	Spike Conc	Avg Conc	MDL	LOD	LOQ	Units	PDF	PDF Units	Flags	Use	In Effect Now
Aroclor-1016	PCB1016	A	.5	.309285955767018	.0276873421046495		0.5000	ug/s	10	mL/s	E G	☑	*(this study is current)*
Aroclor-1016	PCB1016	B	.5	.319260467375091	.0303578070906044		0.5000	ug/s	10	mL/s	E G	☑	*(this study is current)*
Aroclor-1260	PCB1260	A	.5	.3244126884594	.0400677721007645		0.5000	ug/s	10	mL/s	E G	☑	*(this study is current)*
Aroclor-1260	PCB1260	B	.5	.265215486148593	.0201410813905141		0.5000	ug/s	10	mL/s	E G	☑	*(this study is current)*
Decachlorobiphenyl (PCB)	CL10BZ2PCB	A	.5	.235953911498774	.0343464628610914		0.5000	ug/s	10	mL/s	E G	☑	*(this study is current)*
Decachlorobiphenyl (PCB)	CL10BZ2PCB	B	.5	.233338554076919	.0206343110994263		0.5000	ug/s	10	mL/s	E G	☑	*(this study is current)*
TCMX (PCB)	XYL246CLMPCB	A	.5	.26886624809178	.0209639173608077		0.5000	ug/s	10	mL/s	E G	☑	*(this study is current)*
TCMX (PCB)	XYL246CLMPCB	B	.5	.266395887470988	.0193962935004953		0.5000	ug/s	10	mL/s	E G	☑	*(this study is current)*

MDL Study Details

Analyte (Ch)	Avg Conc	Spike Conc	SVOA-GC03 473498-001 18-NOV-2022 19:28:00	SVOA-GC03 473498-002 18-NOV-2022 19:46:00	SVOA-GC03 473498-003 18-NOV-2022 20:04:00	SVOA-GC03 473498-004 18-NOV-2022 20:23:00	SVOA-GC03 473498-005 18-NOV-2022 20:41:00	SVOA-GC03 473498-006 18-NOV-2022 20:59:00	SVOA-GC03 473498-007 18-NOV-2022 21:16:00	MDL	Std Dev	RSD	Units
Aroclor-1016 (A)	0.3093	0.5000	0.3116	0.3134	0.3224	0.3013	0.3005	0.3000	0.3159	0.0277	0.0088	2.8482	ug/s
Aroclor-1016 (B)	0.3193	0.5000	0.3139	0.3181	0.3267	0.3227	0.3291	0.3007	0.3237	0.0304	0.0097	3.0254	ug/s
Aroclor-1260 (A)	0.3244	0.5000	0.3172	0.3224	0.3468	0.3352	0.3130	0.3114	0.3249	0.0401	0.0127	3.9296	ug/s
Aroclor-1260 (B)	0.2652	0.5000	0.2594	0.2675	0.2711	0.2636	0.2631	0.2568	0.2750	0.0201	0.0064	2.4162	ug/s
Decachlorobiphenyl (PCB) (A)	0.2360	0.5000	0.2304	0.2381	0.2327	0.2570	0.2374	0.2210	0.2349	**0.0343**	0.0109	4.6314	ug/s
Decachlorobiphenyl (PCB) (B)	0.2333	0.5000	0.2321	0.2371	0.2365	0.2383	0.2334	**0.2193**	0.2366	**0.0206**	0.0066	2.8136	ug/s
TCMX (PCB) (A)	0.2689	0.5000	0.2628	0.2750	0.2733	0.2703	0.2717	0.2566	0.2723	0.0210	0.0067	2.4808	ug/s
TCMX (PCB) (B)	0.2664	0.5000	0.2629	0.2698	0.2730	0.2659	0.2681	0.2545	0.2705	0.0194	0.0062	2.3166	ug/s

Enthalpy Analytical, Orange

2022 Reporting Limit Checks for PCBs on Wipes

Instrument: SVOA-GC-03

Analytical Method: EPA 8082

Preparation Method: EPA 3572M

Sample	Aroclor	Channel	Spike (ug/wipe)	Result (ug/wipe)	%Recovery
473498-008	1221	A	0.5	0.486	97.2
473498-008	1221	B	0.5	0.553	110.6
473498-008	1254	A	0.5	0.377	75.4
473498-008	1254	B	0.5	0.264	52.8
473498-009	1221	A	0.5	0.54	108
473498-009	1221	B	0.5	0.557	111.4
473498-009	1254	A	0.5	0.421	84.2
473498-009	1254	B	0.5	0.289	57.8
473498-010	1232	A	0.5	0.392	78.4
473498-010	1232	B	0.5	0.439	87.8
473498-010	1262	A	0.5	0.416	83.2
473498-010	1262	B	0.5	0.441	88.2
473498-011	1232	A	0.5	0.438	87.6
473498-011	1232	B	0.5	0.484	96.8
473498-011	1262	A	0.5	0.445	89
473498-011	1262	B	0.5	0.61	122
473498-012	1242	A	0.5	0.284	56.8
473498-012	1242	B	0.5	0.351	70.2
473498-012	1268	A	0.5	0.428	85.6
473498-012	1268	B	0.5	0.368	73.6
473498-013	1242	A	0.5	0.258	51.6
473498-013	1242	B	0.5	0.35	70
473498-013	1268	A	0.5	0.414	82.8
473498-013	1268	B	0.5	0.346	69.2
473498-014	1248	A	0.5	0.398	79.6
473498-014	1248	B	0.5	0.448	89.6
473498-015	1248	A	0.5	0.441	88.2
473498-015	1248	B	0.5	0.486	97.2

Note: Shaded cells indicate corrections from 11/22/0222 version

Enthalpy Analytical, Orange

2022 Reporting Limit Checks for PCBs on Wipes

Instrument: SVOA-GC-06

Analytical Method: EPA 8082

Preparation Method: EPA 3572M

Prep/Analysis Date: 11/21/2022

Sample	Aroclor	Channel	Spike (ug/wipe)	Result (ug/wipe)	%Recovery
474322-008	1221	B	0.5	0.964	192.8
474322-008	1221	A	0.5	1.04	208
474322-008	1254	B	0.5	0.634	126.8
474322-008	1254	A	0.5	0.628	125.6
474322-009	1221	B	0.5	1.03	206
474322-009	1221	A	0.5	0.899	179.8
474322-009	1254	B	0.5	0.653	130.6
474322-009	1254	A	0.5	0.609	121.8
474322-010	1232	B	0.5	0.983	196.6
474322-010	1232	A	0.5	1.07	214
474322-010	1262	B	0.5	0.77	154
474322-010	1262	A	0.5	0.915	183
474322-011	1232	B	0.5	1.09	218
474322-011	1232	A	0.5	1.21	242
474322-011	1262	B	0.5	0.834	166.8
474322-011	1262	A	0.5	0.963	192.6
474322-012	1242	B	0.5	0.679	135.8
474322-012	1242	A	0.5	0.726	145.2
474322-012	1268	B	0.5	0.914	182.8
474322-012	1268	A	0.5	0.965	193
474322-013	1242	B	0.5	0.658	131.6
474322-013	1242	A	0.5	0.677	135.4
474322-013	1268	B	0.5	0.887	177.4
474322-013	1268	A	0.5	0.939	187.8
474322-014	1248	B	0.5	0.814	162.8
474322-014	1248	A	0.5	0.777	155.4
474322-015	1248	B	0.5	0.859	171.8
474322-015	1248	A	0.5	0.786	157.2

New Find Listnum: Go Show All All For SVOA-GC06 A Add Documents Clone Refresh

Listnum: 26665
Date created: 10-DEC-2022 14:45
Study Date: 21-NOV-2022 16:55:00
Effective: 21-NOV-2022 00:00
Override expiration date: 22-DEC-2023 16:55
Override mpl list:

Method: EPA 8082 PCB (29)
Prep Method: 3572M (3572M)
Batch #: 302548
Login #: 474322
Study Name (Optional):
Reviewer: DCD -

Matrix: Wipe
Partition:
User Report: -- Nowhere -- Print
View LOD Runs
Adjustments
Review App / Old MDL App

Instrument
SVOA-GC06

Analyte	Alias	Channel	Spike Conc	Avg Conc	MDL	LOD	LOQ	Units	PDF	PDF Units	Flags	Use	In Effect Now
Aroclor-1016	PCB1016	A	.5	.360014597073626	.0476064649099005		0.5000	ug/s	10	mL/s	E G	☑	*(this study is current)*
Aroclor-1016	PCB1016	B	.5	.391061411173215	.0641030585747931		0.5000	ug/s	10	mL/s	G	☑	*(this study is current)*
Aroclor-1260	PCB1260	A	.5	.296098567680501	.0752567133721636		0.5000	ug/s	10	mL/s		☑	*(this study is current)*
Aroclor-1260	PCB1260	B	.5	.361747616400379	.0922967993792378		0.5000	ug/s	10	mL/s		☑	*(this study is current)*

MDL Study Details

Analyte (Ch)	Avg Conc	Spike Conc	SVOA-GC06 474322-001 21-NOV-2022 16:55:00	SVOA-GC06 474322-002 21-NOV-2022 17:13:00	SVOA-GC06 474322-003 21-NOV-2022 17:31:00	SVOA-GC06 474322-004 21-NOV-2022 17:49:00	SVOA-GC06 474322-005 21-NOV-2022 18:07:00	SVOA-GC06 474322-006 21-NOV-2022 18:25:00	SVOA-GC06 474322-007 21-NOV-2022 18:43:00	MDL	Std Dev	RSD	Units
Aroclor-1016 (A)	0.3600	0.5000	0.3308	0.3559	0.3701	0.3691	0.3624	0.3770	0.3547	0.0476	0.0151	4.2073	ug/s
Aroclor-1016 (B)	0.3911	0.5000	0.3649	0.3846	0.3825	0.3926	0.4013	0.4298	0.3816	0.0641	0.0204	5.2154	ug/s
Aroclor-1260 (A)	0.2961	0.5000	0.2755	0.2693	0.2902	0.2978	0.3086	0.3415	0.2898	0.0753	0.0239	8.0866	ug/s
Aroclor-1260 (B)	0.3617	0.5000	0.3153	0.3345	0.3708	0.3705	0.3595	0.4054	0.3762	0.0923	0.0294	8.1178	ug/s

Attachment 4

Laboratory Quality Control Data

Polychlorinated Biphenyl Wipe Sampling Laboratory Quality Control Sampling Results

Hangar 1 NTCRA

Data Collected Between July 2021 and November 1, 2022

Former Naval Air Station Moffett Field, California

Zone	Enclosure	High/Low Occupancy	Lab Report No.	BS ID No.	BSD ID No.	Aroclor 1016		Aroclor 1260		Aroclor 1016		Aroclor 1260		Aroclor 1016	Aroclor 1260
						BS Result	BSD Result	BS Result	BSD Result	BS %REC	BSD %REC	BS %REC	BSD %REC	RPD	RPD
					Unit	µg/100 cm^2				%					
Confirmation PCB Wipe Samples															
1	A	Low	467322	QC1007020	QC1007021	5.449	5.562	5.714	5.84	109	111	114	117	2	3
1	A	Low	467769, 467771, 467774, 467872	QC1008495	QC1008496	5.095	5.69	5.648	6.161	102	114	113	123	11	8
1	A	Low	467769	QC1009631	QC1009632	4.492	4.679	4.37	4.738	90	94	87	95	4	9
1	B	Low	466919, 466921	QC1005241	QC1005242	5.627	5.878	5.677	5.962	113	118	114	119	4	4
1	C	Low	464779, 464785, 464405	QC997362	QC997363	4.031	4.466	4.355	4.845	81	89	87	97	9	11
1	C	Low	465889	QC1001815	QC1001816	4.544	4.347	4.826	4.66	91	87	97	93	4	4
1	D	Low	465031, 465035	QC998415	QC998416	3.818	2.862	3.714	3.359	76	57	74	67	29	10
1	D	Low	466145	QC1002790	QC1002791	4.59	4.506	4.933	4.852	92	90	99	97	2	2
1	D	Low	466154	QC1002968	QC1002969	4.987	4.761	4.901	4.645	100	95	98	93	5	5
1	D	Low	466742, 466745	QC1005137	QC1005138	5.781	5.877	6.054	6.148	116	118	121	123	2	2
1	A	High	467769	QC1008495	QC1008496	5.095	5.69	5.648	6.161	102	114	113	123	11	8
1	A	High	467769	QC1009631	QC1009632	4.492	4.679	4.37	4.738	90	94	87	95	4	9
1	A	High	467872	QC1008492	QC1008493	5.466	5.375	4.935	4.913	109	107	99	98	2	1
1	B	High	467089, 467095, 467181	QC1005787	QC2005788	5.42	5.443	6.641	5.993	108	109	133	120	1	10
1	C	High	465874, 465921	QC1001815	QC1001816	4.544	4.347	4.826	4.66	91	87	97	93	4	4
1	C	High	465921, 465924, 465944	QC1002661	QC1002662	4.422	3.737	4.397	3.792	88	75	88	76	16	15
2	A	High & Low	469273, 469270	QC1014013	QC1014014	3.796	4.037	4.225	4.717	76	81	84	94	6	11
2	A	High & Low	469273, 469257	QC1014267	QC1014268	4.524	4.904	4.849	5.307	90	98	97	106	9	9
2	A	High & Low	469257	QC1014270	QC1014271	4.316	4.334	4.274	3.909	86	87	85	78	1	9
2	B/C	Low	470417	QC1017764	QC1017765	4.676	4.371	4.647	4.195	94	87	93	84	8	10
2	B/C	Low	470422	QC1017761	QC1017762	4.464	4.767	4.489	4.763	89	95	90	95	7	5
2	B/C	Low	470473	QC1018348	QC1018349	4.327	4.489	4.472	4.691	87	90	89	94	3	5
2	B/C	Low	470460	QC1018345	QC1018346	4.466	4.658	4.085	4.644	89	93	82	93	4	13
2	D	Low	471964, 471955	QC1023078	QC1023079	4.834	4.441	5.063	4.572	97	89	101	91	9	10
Clearance PCB Wipe Samples															
1	A	--	468247	QC1011504	QC1011505	3.627	3.53	3.542	3.52	73	71	71	70	3	1
1	B	--	467533, 467609	QC1007910	QC1007911	4.743	4.713	4.974	4.985	95	94	99	100	1	1
1	C	--	466211	QC1002971	QC1002972	5.314	5.279	5.739	5.636	106	106	115	113	0	2
1	C	--	466158	QC1002968	QC1002969	4.987	4.761	4.901	4.645	100	95	98	93	5	5
1	D	--	467455, 467437	QC1007020	QC1007021	5.449	5.562	5.714	5.84	109	111	114	117	2	3
2	B/C	--	471469	QC1021393	QC1021394	3.332	3.364	3.663	4.158	67	67	73	83	0	13
2	B/C	--	471044	QC1019917	QC1019918	4.172	5.034	3.55	5.392	83	101	71	108	20	41
2	A	--	470163, 470046, 470165	QC1017326	QC1017327	4.773	4.896	4.738	4.834	95	98	95	97	3	2

Polychlorinated Biphenyl Wipe Sampling Laboratory Quality Control Sampling Results

Hangar 1 NTCRA

Data Collected Between July 2021 and November 1, 2022

Former Naval Air Station Moffett Field, California

Zone	Enclosure	High/Low Occupancy	Lab Report No.	BS ID No.	BSD ID No.	Aroclor 1016		Aroclor 1260		Aroclor 1016		Aroclor 1260		Aroclor 1016	Aroclor 1260
						BS Result	BSD Result	BS Result	BSD Result	BS %REC	BSD %REC	BS %REC	BSD %REC	RPD	RPD
					Unit	µg/100 cm^2				%					
Mockup PCB Wipe Samples															
--	--	--	448523	QC936439	QC936440	4.964	4.684	5.603	5.417	99	94	112	108	5	4
--	--	--	448523	QC936442	QC936443	5.531	5.766	6.795	7.007	111	115	136	140	4	3
--	--	--	447950	QC934208	QC934209	6.653	6.669	7.004	7.3	133	133	140	146	0	4
--	--	--	448133	QC934836	QC934837	5.017	5.105	6.366	6.329	100	102	127	107	2	17
--	--	--	448064	QC934658	QC934659	5.104	5.418	4.202	4.754	102	108	84	95	6	12
--	--	--	447944	QC934205	QC934206	4.922	5.333	4.925	5.328	98	107	98	107	9	9
--	--	--	447811	QC933906	QC933907	5.872	5.627	6.414	6.472	117	113	128	129	3	1
					Measurement Performance Criteria					60-140%	60-140%	60-140%	60-140%	<20%	<20%

Acronyms and Abbreviations:

BS: Batch Spike

BSD: Batch Spike Duplicate

µg/100 cm^2: micrograms per 100 square centimeters

%REC: Percent Recovery

RPD: Relative Percent Difference

Confirmation Wipe Sample
Laboratory Quality Control Analytical Results

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467322 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 295181 **Analysis:** EPA 8082

Lab ID: QC1007019 **Prepared:** 08/17/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/17/22

DilnFac: 1.000 **Prep:** EPA 3580

QC1007019 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1007019 Surrogate	%REC	Limits
TCMX (PCB)	98	52-186
Decachlorobiphenyl (PCB)	81	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 467322 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295181 **Analysis:** EPA 8082

Lab ID: QC1007020 **Prepared:** 08/17/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/17/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1007020 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.449	109	60-140	ug/100 cm2
Aroclor-1260	5.000	5.714	114	60-140	ug/100 cm2

QC1007020 Surrogate	%REC	Limits
TCMX (PCB)	100	52-186
Decachlorobiphenyl (PCB)	95	60-140

Type: BSD **Batch#:** 295181 **Analysis:** EPA 8082

Lab ID: QC1007021 **Prepared:** 08/17/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/17/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1007021 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.562	111	60-140	ug/100 cm2	2	20
Aroclor-1260	5.000	5.840	117	60-140	ug/100 cm2	2	20

QC1007021 Surrogate	%REC	Limits
TCMX (PCB)	104	52-186
Decachlorobiphenyl (PCB)	95	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467774 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 295632 **Analysis:** EPA 8082

Lab ID: QC1008494 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

DilnFac: 1.000 **Prep:** EPA 3580

QC1008494 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1008494 Surrogate	%REC	Limits
TCMX (PCB)	92	52-186
Decachlorobiphenyl (PCB)	74	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 467774 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295632 **Analysis:** EPA 8082

Lab ID: QC1008495 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1008495 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.095	102	60-140	ug/100 cm2
Aroclor-1260	5.000	5.648	113	60-140	ug/100 cm2

QC1008495 Surrogate	%REC	Limits
TCMX (PCB)	83	52-186
Decachlorobiphenyl (PCB)	79	60-140

Type: BSD **Batch#:** 295632 **Analysis:** EPA 8082

Lab ID: QC1008496 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1008496 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.690	114	60-140	ug/100 cm2	11	20
Aroclor-1260	5.000	6.161	123	60-140	ug/100 cm2	9	20

QC1008496 Surrogate	%REC	Limits
TCMX (PCB)	97	52-186
Decachlorobiphenyl (PCB)	88	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467769 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 295632 **Analysis:** EPA 8082

Lab ID: QC1008494 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

Dil n Fac: 1.000 **Prep:** EPA 3580

QC1008494 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1008494 Surrogate	%REC	Limits
TCMX (PCB)	92	52-186
Decachlorobiphenyl (PCB)	74	60-140

Type: BLANK **Batch#:** 295971 **Analysis:** EPA 8082

Lab ID: QC1009630 **Prepared:** 08/30/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/30/22

Dil n Fac: 1.000 **Prep:** EPA 3580

QC1009630 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1009630 Surrogate	%REC	Limits
TCMX (PCB)	95	52-186
Decachlorobiphenyl (PCB)	78	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 467769 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295971 **Analysis:** EPA 8082

Lab ID: QC1009631 **Prepared:** 08/30/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/30/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1009631 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.492	90	60-140	ug/100 cm2
Aroclor-1260	5.000	4.370	87	60-140	ug/100 cm2

QC1009631 Surrogate	%REC	Limits
TCMX (PCB)	93	52-186
Decachlorobiphenyl (PCB)	78	60-140

Type: BSD **Batch#:** 295971 **Analysis:** EPA 8082

Lab ID: QC1009632 **Prepared:** 08/30/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/30/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1009632 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.679	94	60-140	ug/100 cm2	4	20
Aroclor-1260	5.000	4.738	95	60-140	ug/100 cm2	8	20

QC1009632 Surrogate	%REC	Limits
TCMX (PCB)	91	52-186
Decachlorobiphenyl (PCB)	83	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466921 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 294557 **Analysis:** EPA 8082

Lab ID: QC1005240 **Prepared:** 08/08/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/10/22

DilnFac: 1.000 **Prep:** EPA 3580

QC1005240 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1005240 Surrogate	%REC	Limits
TCMX (PCB)	111	52-186
Decachlorobiphenyl (PCB)	95	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 466921 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 294557 **Analysis:** EPA 8082

Lab ID: QC1005241 **Prepared:** 08/08/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/10/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1005241 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.627	113	60-140	ug/100 cm2
Aroclor-1260	5.000	5.677	114	60-140	ug/100 cm2

QC1005241 Surrogate	%REC	Limits
TCMX (PCB)	105	52-186
Decachlorobiphenyl (PCB)	94	60-140

Type: BSD **Batch#:** 294557 **Analysis:** EPA 8082

Lab ID: QC1005242 **Prepared:** 08/08/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/10/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1005242 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.878	118	60-140	ug/100 cm2	4	20
Aroclor-1260	5.000	5.962	119	60-140	ug/100 cm2	5	20

QC1005242 Surrogate	%REC	Limits
TCMX (PCB)	111	52-186
Decachlorobiphenyl (PCB)	98	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 464405 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 291960 **Analysis:** EPA 8082

Lab ID: QC997361 **Prepared:** 06/27/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 06/28/22

DiIn Fac: 1.000 **Prep:** EPA 3580

Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

Surrogate	%REC	Limits
TCMX (PCB)	82	52-186
Decachlorobiphenyl (PCB)	76	60-140

Legend

ND: Not Detected

RL: Reporting Limit

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 464405 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 291960 **Analysis:** EPA 8082

Lab ID: QC997362 **Prepared:** 06/27/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 06/28/22

Diln Fac: 1.000 **Prep:** EPA 3580

Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.031	81	60-140	ug/100 cm2
Aroclor-1260	5.000	4.355	87	60-140	ug/100 cm2

Surrogate	%REC	Limits
TCMX (PCB)	82	52-186
Decachlorobiphenyl (PCB)	73	60-140

Type: BSD **Batch#:** 291960 **Analysis:** EPA 8082

Lab ID: QC997363 **Prepared:** 06/27/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 06/28/22

Diln Fac: 1.000 **Prep:** EPA 3580

Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.466	89	60-140	ug/100 cm2	10	20
Aroclor-1260	5.000	4.845	97	60-140	ug/100 cm2	11	20

Surrogate	%REC	Limits
TCMX (PCB)	90	52-186
Decachlorobiphenyl (PCB)	80	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465889 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1W-DG-6.5 TO 7-220716-P-FB **Batch#:** 293412 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 07/16/22 **Analysis:** EPA 8082

Lab ID: 465889-017 **Received:** 07/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/20/22

Dil n Fac: 1.000 **Analyzed:** 07/24/22

465889-017 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465889-017 Surrogate	%REC	Limits
TCMX (PCB)	67	52-186
Decachlorobiphenyl (PCB)	64	50-150

Type: BLANK **Batch#:** 293412 **Analysis:** EPA 8082

Lab ID: QC1001814 **Prepared:** 07/20/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/23/22

Dil n Fac: 1.000 **Prep:** EPA 3580

QC1001814 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1001814 Surrogate	%REC	Limits
TCMX (PCB)	97	52-186
Decachlorobiphenyl (PCB)	87	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 465889 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 293412 **Analysis:** EPA 8082

Lab ID: QC1001815 **Prepared:** 07/20/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/23/22

DiIn Fac: 1.000 **Prep:** EPA 3580

QC1001815 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.544	91	60-140	ug/100 cm2
Aroclor-1260	5.000	4.826	97	60-140	ug/100 cm2

QC1001815 Surrogate	%REC	Limits
TCMX (PCB)	90	52-186
Decachlorobiphenyl (PCB)	82	60-140

Type: BSD **Batch#:** 293412 **Analysis:** EPA 8082

Lab ID: QC1001816 **Prepared:** 07/20/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/23/22

DiIn Fac: 1.000 **Prep:** EPA 3580

QC1001816 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.347	87	60-140	ug/100 cm2	4	20
Aroclor-1260	5.000	4.660	93	60-140	ug/100 cm2	4	20

QC1001816 Surrogate	%REC	Limits
TCMX (PCB)	88	52-186
Decachlorobiphenyl (PCB)	81	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465031 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.5GE-INT-25 TO 26-220628-P-CB **Batch#:** 292307 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 8082

Lab ID: 465031-005 **Received:** 06/29/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/05/22

Dil n Fac: 1.000 **Analyzed:** 07/07/22

Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

Surrogate	%REC	Limits
TCMX (PCB)	53	52-186
Decachlorobiphenyl (PCB)	47 *	50-150

Type: BLANK **Batch#:** 292307 **Analysis:** EPA 8082

Lab ID: QC998414 **Prepared:** 07/05/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/07/22

Dil n Fac: 1.000 **Prep:** EPA 3580

Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

Surrogate	%REC	Limits
TCMX (PCB)	53	52-186
Decachlorobiphenyl (PCB)	53 *	60-140

Legend

*: Value is outside QC limits

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 465031 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 292307 **Analysis:** EPA 8082

Lab ID: QC998415 **Prepared:** 07/05/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/08/22

Diln Fac: 1.000 **Prep:** EPA 3580

Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.818	76	60-140	ug/100 cm2
Aroclor-1260	5.000	3.714	74	60-140	ug/100 cm2

Surrogate	%REC	Limits
TCMX (PCB)	52	52-186
Decachlorobiphenyl (PCB)	58 *	60-140

Type: BSD **Batch#:** 292307 **Analysis:** EPA 8082

Lab ID: QC998416 **Prepared:** 07/05/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/08/22

Diln Fac: 1.000 **Prep:** EPA 3580

Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	2.862	57 *	60-140	ug/100 cm2	29 *	20
Aroclor-1260	5.000	3.359	67	60-140	ug/100 cm2	10	20

Surrogate	%REC	Limits
TCMX (PCB)	50 *	52-186
Decachlorobiphenyl (PCB)	54 *	60-140

Legend

*: Value is outside QC limits

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466145 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 293750 **Analysis:** EPA 8082

Lab ID: QC1002789 **Prepared:** 07/26/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/29/22

DilnFac: 1.000 **Prep:** EPA 3580

QC1002789 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1002789 Surrogate	%REC	Limits
TCMX (PCB)	108	52-186
Decachlorobiphenyl (PCB)	88	60-140

Legend

***:** Value is outside QC limits

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 466145 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 293750 **Analysis:** EPA 8082

Lab ID: QC1002790 **Prepared:** 07/26/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/29/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1002790 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.590	92	60-140	ug/100 cm2
Aroclor-1260	5.000	4.933	99	60-140	ug/100 cm2

QC1002790 Surrogate	%REC	Limits
TCMX (PCB)	86	52-186
Decachlorobiphenyl (PCB)	77	60-140

Type: BSD **Batch#:** 293750 **Analysis:** EPA 8082

Lab ID: QC1002791 **Prepared:** 07/26/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/29/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1002791 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.506	90	60-140	ug/100 cm2	2	20
Aroclor-1260	5.000	4.852	97	60-140	ug/100 cm2	2	20

QC1002791 Surrogate	%REC	Limits
TCMX (PCB)	85	52-186
Decachlorobiphenyl (PCB)	78	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466154 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.2GE-EXT-9 TO 10-220721-P-CB **Batch#:** 293813 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 8082

Lab ID: 466154-017 **Received:** 07/22/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/27/22

Dil n Fac: 1.000 **Analyzed:** 07/29/22

466154-017 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466154-017 Surrogate	%REC	Limits
TCMX (PCB)	143	52-186
Decachlorobiphenyl (PCB)	136	50-150

Type: BLANK **Batch#:** 293813 **Analysis:** EPA 8082

Lab ID: QC1002967 **Prepared:** 07/27/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/29/22

Dil n Fac: 1.000 **Prep:** EPA 3580

QC1002967 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1002967 Surrogate	%REC	Limits
TCMX (PCB)	96	52-186
Decachlorobiphenyl (PCB)	92	60-140

Legend

***:** Value is outside QC limits

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 466154 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 293813 **Analysis:** EPA 8082

Lab ID: QC1002968 **Prepared:** 07/27/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/29/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1002968 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.987	100	60-140	ug/100 cm2
Aroclor-1260	5.000	4.901	98	60-140	ug/100 cm2

QC1002968 Surrogate	%REC	Limits
TCMX (PCB)	88	52-186
Decachlorobiphenyl (PCB)	86	60-140

Type: BSD **Batch#:** 293813 **Analysis:** EPA 8082

Lab ID: QC1002969 **Prepared:** 07/27/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/29/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1002969 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.761	95	60-140	ug/100 cm2	5	20
Aroclor-1260	5.000	4.645	93	60-140	ug/100 cm2	5	20

QC1002969 Surrogate	%REC	Limits
TCMX (PCB)	83	52-186
Decachlorobiphenyl (PCB)	80	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466742 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 220802-P-MEDBLANK **Batch#:** 294523 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 8082

Lab ID: 466742-019 **Received:** 08/03/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/05/22

Dil n Fac: 1.000 **Analyzed:** 08/09/22

466742-019 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466742-019 Surrogate	%REC	Limits
TCMX (PCB)	74	52-186
Decachlorobiphenyl (PCB)	67	50-150

Type: BLANK **Batch#:** 294523 **Analysis:** EPA 8082

Lab ID: QC1005136 **Prepared:** 08/05/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/09/22

Dil n Fac: 1.000 **Prep:** EPA 3580

QC1005136 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1005136 Surrogate	%REC	Limits
TCMX (PCB)	111	52-186
Decachlorobiphenyl (PCB)	97	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 466742 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 294523 **Analysis:** EPA 8082

Lab ID: QC1005137 **Prepared:** 08/05/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/09/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1005137 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.781	116	60-140	ug/100 cm2
Aroclor-1260	5.000	6.054	121	60-140	ug/100 cm2

QC1005137 Surrogate	%REC	Limits
TCMX (PCB)	112	52-186
Decachlorobiphenyl (PCB)	106	60-140

Type: BSD **Batch#:** 294523 **Analysis:** EPA 8082

Lab ID: QC1005138 **Prepared:** 08/05/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/09/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1005138 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.877	118	60-140	ug/100 cm2	2	20
Aroclor-1260	5.000	6.148	123	60-140	ug/100 cm2	2	20

QC1005138 Surrogate	%REC	Limits
TCMX (PCB)	113	52-186
Decachlorobiphenyl (PCB)	107	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467769 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 295632 **Analysis:** EPA 8082

Lab ID: QC1008494 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

Dil n Fac: 1.000 **Prep:** EPA 3580

QC1008494 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1008494 Surrogate	%REC	Limits
TCMX (PCB)	92	52-186
Decachlorobiphenyl (PCB)	74	60-140

Type: BLANK **Batch#:** 295971 **Analysis:** EPA 8082

Lab ID: QC1009630 **Prepared:** 08/30/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/30/22

Dil n Fac: 1.000 **Prep:** EPA 3580

QC1009630 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1009630 Surrogate	%REC	Limits
TCMX (PCB)	95	52-186
Decachlorobiphenyl (PCB)	78	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 467769 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295632 **Analysis:** EPA 8082

Lab ID: QC1008495 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1008495 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.095	102	60-140	ug/100 cm2
Aroclor-1260	5.000	5.648	113	60-140	ug/100 cm2

QC1008495 Surrogate	%REC	Limits
TCMX (PCB)	83	52-186
Decachlorobiphenyl (PCB)	79	60-140

Type: BSD **Batch#:** 295632 **Analysis:** EPA 8082

Lab ID: QC1008496 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1008496 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.690	114	60-140	ug/100 cm2	11	20
Aroclor-1260	5.000	6.161	123	60-140	ug/100 cm2	9	20

QC1008496 Surrogate	%REC	Limits
TCMX (PCB)	97	52-186
Decachlorobiphenyl (PCB)	88	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 467769 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295971 **Analysis:** EPA 8082

Lab ID: QC1009631 **Prepared:** 08/30/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/30/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1009631 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.492	90	60-140	ug/100 cm2
Aroclor-1260	5.000	4.370	87	60-140	ug/100 cm2

QC1009631 Surrogate	%REC	Limits
TCMX (PCB)	93	52-186
Decachlorobiphenyl (PCB)	78	60-140

Type: BSD **Batch#:** 295971 **Analysis:** EPA 8082

Lab ID: QC1009632 **Prepared:** 08/30/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/30/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1009632 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.679	94	60-140	ug/100 cm2	4	20
Aroclor-1260	5.000	4.738	95	60-140	ug/100 cm2	8	20

QC1009632 Surrogate	%REC	Limits
TCMX (PCB)	91	52-186
Decachlorobiphenyl (PCB)	83	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467872 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.1GE-EXT-2 TO 3-220823-P-CB **Batch#:** 295632 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/23/22 **Analysis:** EPA 8082

Lab ID: 467872-048 **Received:** 08/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

Dil n Fac: 1.000 **Analyzed:** 08/26/22

467872-048 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467872-048 Surrogate	%REC	Limits
TCMX (PCB)	80	52-186
Decachlorobiphenyl (PCB)	51	50-150

Type: BLANK **Batch#:** 295631 **Analysis:** EPA 8082

Lab ID: QC1008491 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

Dil n Fac: 1.000 **Prep:** EPA 3580

QC1008491 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1008491 Surrogate	%REC	Limits
TCMX (PCB)	103	52-186
Decachlorobiphenyl (PCB)	65	60-140

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 467872 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295631 **Analysis:** EPA 8082

Lab ID: QC1008492 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1008492 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.466	109	60-140	ug/100 cm2
Aroclor-1260	5.000	4.935	99	60-140	ug/100 cm2

QC1008492 Surrogate	%REC	Limits
TCMX (PCB)	103	52-186
Decachlorobiphenyl (PCB)	65	60-140

Type: BSD **Batch#:** 295631 **Analysis:** EPA 8082

Lab ID: QC1008493 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1008493 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.375	107	60-140	ug/100 cm2	2	20
Aroclor-1260	5.000	4.913	98	60-140	ug/100 cm2	0	20

QC1008493 Surrogate	%REC	Limits
TCMX (PCB)	100	52-186
Decachlorobiphenyl (PCB)	64	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467095 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 294760 **Analysis:** EPA 8082

Lab ID: QC1005786 **Prepared:** 08/10/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/10/22

DilnFac: 1.000 **Prep:** EPA 3510C

QC1005786 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1005786 Surrogate	%REC	Limits
TCMX (PCB)	97	52-186
Decachlorobiphenyl (PCB)	106	60-140

Legend

ND: Not Detected

RL: Reporting Limit

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 467095 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 294760 **Analysis:** EPA 8082

Lab ID: QC1005787 **Prepared:** 08/10/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/10/22

DiIn Fac: 1.000 **Prep:** EPA 3510C

QC1005787 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.420	108	60-140	ug/100 cm2
Aroclor-1260	5.000	6.641	133	60-140	ug/100 cm2

QC1005787 Surrogate	%REC	Limits
TCMX (PCB)	99	52-186
Decachlorobiphenyl (PCB)	117	60-140

Type: BSD **Batch#:** 294760 **Analysis:** EPA 8082

Lab ID: QC1005788 **Prepared:** 08/10/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/10/22

DiIn Fac: 1.000 **Prep:** EPA 3510C

QC1005788 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.443	109	60-140	ug/100 cm2	0	20
Aroclor-1260	5.000	5.993	120	60-140	ug/100 cm2	10	20

QC1005788 Surrogate	%REC	Limits
TCMX (PCB)	99	52-186
Decachlorobiphenyl (PCB)	98	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465921 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.4GW-EXT-2 TO 3-220718-P-DUP-CB **Batch#:** 293716 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 07/18/22 **Analysis:** EPA 8082

Lab ID: 465921-025 **Received:** 07/19/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/25/22

DiIn Fac: 1.000 **Analyzed:** 07/27/22

465921-025 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465921-025 Surrogate	%REC	Limits
TCMX (PCB)	62	52-186
Decachlorobiphenyl (PCB)	54	50-150

Type: BLANK **Batch#:** 293412 **Analysis:** EPA 8082

Lab ID: QC1001814 **Prepared:** 07/20/22 **Analyst:** SLL

Matrix: Wipe **Analyzed:** 07/23/22

DiIn Fac: 1.000 **Prep:** EPA 3580

QC1001814 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1001814 Surrogate	%REC	Limits
TCMX (PCB)	97	52-186
Decachlorobiphenyl (PCB)	87	60-140

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 465921 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 293412 **Analysis:** EPA 8082

Lab ID: QC1001815 **Prepared:** 07/20/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/23/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1001815 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.544	91	60-140	ug/100 cm2
Aroclor-1260	5.000	4.826	97	60-140	ug/100 cm2

QC1001815 Surrogate	%REC	Limits
TCMX (PCB)	90	52-186
Decachlorobiphenyl (PCB)	82	60-140

Type: BSD **Batch#:** 293412 **Analysis:** EPA 8082

Lab ID: QC1001816 **Prepared:** 07/20/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/23/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1001816 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.347	87	60-140	ug/100 cm2	4	20
Aroclor-1260	5.000	4.660	93	60-140	ug/100 cm2	4	20

QC1001816 Surrogate	%REC	Limits
TCMX (PCB)	88	52-186
Decachlorobiphenyl (PCB)	81	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465924 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 293716 **Analysis:** EPA 8082

Lab ID: QC1002660 **Prepared:** 07/25/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/27/22

DilnFac: 1.000 **Prep:** EPA 3580

QC1002660 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1002660 Surrogate	%REC	Limits
TCMX (PCB)	67	52-186
Decachlorobiphenyl (PCB)	65	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 465924 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 293716 **Analysis:** EPA 8082

Lab ID: QC1002661 **Prepared:** 07/25/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/27/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1002661 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.422	88	60-140	ug/100 cm2
Aroclor-1260	5.000	4.397	88	60-140	ug/100 cm2

QC1002661 Surrogate	%REC	Limits
TCMX (PCB)	79	52-186
Decachlorobiphenyl (PCB)	75	60-140

Type: BSD **Batch#:** 293716 **Analysis:** EPA 8082

Lab ID: QC1002662 **Prepared:** 07/25/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/27/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1002662 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	3.737	75	60-140	ug/100 cm2	17	20
Aroclor-1260	5.000	3.792	76	60-140	ug/100 cm2	15	20

QC1002662 Surrogate	%REC	Limits
TCMX (PCB)	70	52-186
Decachlorobiphenyl (PCB)	65	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 469270 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2E-EXT-7TO8-220915-P-WF **Batch#:** 297328 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 8082

Lab ID: 469270-027 **Received:** 09/16/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 09/20/22

Dil n Fac: 1.000 **Analyzed:** 09/20/22

469270-027 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469270-027 Surrogate	%REC	Limits
TCMX (PCB)	71	52-186
Decachlorobiphenyl (PCB)	76	50-150

Type: BLANK **Batch#:** 297328 **Analysis:** EPA 8082

Lab ID: QC1014012 **Prepared:** 09/20/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 09/20/22

Dil n Fac: 1.000 **Prep:** EPA 3580

QC1014012 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1014012 Surrogate	%REC	Limits
TCMX (PCB)	85	52-186
Decachlorobiphenyl (PCB)	93	60-140

Legend

ND: Not Detected

RL: Reporting Limit

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 469270 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 297328 **Analysis:** EPA 8082

Lab ID: QC1014013 **Prepared:** 09/20/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 09/20/22

DilnFac: 1.000 **Prep:** EPA 3580

QC1014013 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.796	76	60-140	ug/100 cm2
Aroclor-1260	5.000	4.225	84	60-140	ug/100 cm2

QC1014013 Surrogate	%REC	Limits
TCMX (PCB)	79	52-186
Decachlorobiphenyl (PCB)	83	60-140

Type: BSD **Batch#:** 297328 **Analysis:** EPA 8082

Lab ID: QC1014014 **Prepared:** 09/20/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 09/20/22

DilnFac: 1.000 **Prep:** EPA 3580

QC1014014 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.037	81	60-140	ug/100 cm2	6	20
Aroclor-1260	5.000	4.717	94	60-140	ug/100 cm2	11	20

QC1014014 Surrogate	%REC	Limits
TCMX (PCB)	83	52-186
Decachlorobiphenyl (PCB)	90	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 469257 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 297417 **Analysis:** EPA 8082

Lab ID: QC1014266 **Prepared:** 09/21/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 09/22/22

Dil n Fac: 1.000 **Prep:** EPA 3580

QC1014266 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1014266 Surrogate	%REC	Limits
TCMX (PCB)	94	52-186
Decachlorobiphenyl (PCB)	89	60-140

Type: BLANK **Batch#:** 297418 **Analysis:** EPA 8082

Lab ID: QC1014269 **Prepared:** 09/21/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 09/26/22

Dil n Fac: 1.000 **Prep:** EPA 3580

QC1014269 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1014269 Surrogate	%REC	Limits
TCMX (PCB)	88	52-186
Decachlorobiphenyl (PCB)	101	60-140

Legend

ND: Not Detected

RL: Reporting Limit

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 469257 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 297417 **Analysis:** EPA 8082

Lab ID: QC1014267 **Prepared:** 09/21/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 09/22/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1014267 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.524	90	60-140	ug/100 cm2
Aroclor-1260	5.000	4.849	97	60-140	ug/100 cm2

QC1014267 Surrogate	%REC	Limits
TCMX (PCB)	93	52-186
Decachlorobiphenyl (PCB)	92	60-140

Type: BSD **Batch#:** 297417 **Analysis:** EPA 8082

Lab ID: QC1014268 **Prepared:** 09/21/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 09/23/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1014268 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.904	98	60-140	ug/100 cm2	8	20
Aroclor-1260	5.000	5.307	106	60-140	ug/100 cm2	9	20

QC1014268 Surrogate	%REC	Limits
TCMX (PCB)	99	52-186
Decachlorobiphenyl (PCB)	104	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 469257 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 297418 **Analysis:** EPA 8082

Lab ID: QC1014270 **Prepared:** 09/21/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 09/26/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1014270 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.316	86	60-140	ug/100 cm2
Aroclor-1260	5.000	4.274	85	60-140	ug/100 cm2

QC1014270 Surrogate	%REC	Limits
TCMX (PCB)	88	52-186
Decachlorobiphenyl (PCB)	84	60-140

Type: BSD **Batch#:** 297418 **Analysis:** EPA 8082

Lab ID: QC1014271 **Prepared:** 09/21/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 09/26/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1014271 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.334	87	60-140	ug/100 cm2	0	20
Aroclor-1260	5.000	3.909	78	60-140	ug/100 cm2	9	20

QC1014271 Surrogate	%REC	Limits
TCMX (PCB)	87	52-186
Decachlorobiphenyl (PCB)	75	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470417 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 298551 **Analysis:** EPA 8082

Lab ID: QC1017763 **Prepared:** 10/10/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/11/22

DilnFac: 1.000 **Prep:** EPA 3580

QC1017763 Analyte	Result	RL	Units
Aroclor-1016	ND	0.25	ug/100 cm2
Aroclor-1221	ND	0.25	ug/100 cm2
Aroclor-1232	ND	0.25	ug/100 cm2
Aroclor-1242	ND	0.25	ug/100 cm2
Aroclor-1248	ND	0.25	ug/100 cm2
Aroclor-1254	ND	0.25	ug/100 cm2
Aroclor-1260	ND	0.25	ug/100 cm2
Aroclor-1262	ND	0.25	ug/100 cm2
Aroclor-1268	ND	0.25	ug/100 cm2

QC1017763 Surrogate	%REC	Limits
TCMX (PCB)	91	52-186
Decachlorobiphenyl (PCB)	80	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 470417 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 298551 **Analysis:** EPA 8082

Lab ID: QC1017764 **Prepared:** 10/10/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/11/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1017764 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.676	94	60-140	ug/100 cm2
Aroclor-1260	5.000	4.647	93	60-140	ug/100 cm2

QC1017764 Surrogate	%REC	Limits
TCMX (PCB)	91	52-186
Decachlorobiphenyl (PCB)	89	60-140

Type: BSD **Batch#:** 298551 **Analysis:** EPA 8082

Lab ID: QC1017765 **Prepared:** 10/10/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/12/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1017765 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.371	87	60-140	ug/100 cm2	7	20
Aroclor-1260	5.000	4.195	84	60-140	ug/100 cm2	10	20

QC1017765 Surrogate	%REC	Limits
TCMX (PCB)	86	52-186
Decachlorobiphenyl (PCB)	74	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470422 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2E-EXT-3 TO 4-221007-P-WF **Batch#:** 298550 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 8082

Lab ID: 470422-033 **Received:** 10/07/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/10/22

Dil n Fac: 1.000 **Analyzed:** 10/11/22

470422-033 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470422-033 Surrogate	%REC	Limits
TCMX (PCB)	63	52-186
Decachlorobiphenyl (PCB)	56	50-150

Type: BLANK **Batch#:** 298550 **Analysis:** EPA 8082

Lab ID: QC1017760 **Prepared:** 10/10/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/11/22

Dil n Fac: 1.000 **Prep:** EPA 3580

QC1017760 Analyte	Result	RL	Units
Aroclor-1016	ND	0.25	ug/100 cm2
Aroclor-1221	ND	0.25	ug/100 cm2
Aroclor-1232	ND	0.25	ug/100 cm2
Aroclor-1242	ND	0.25	ug/100 cm2
Aroclor-1248	ND	0.25	ug/100 cm2
Aroclor-1254	ND	0.25	ug/100 cm2
Aroclor-1260	ND	0.25	ug/100 cm2
Aroclor-1262	ND	0.25	ug/100 cm2
Aroclor-1268	ND	0.25	ug/100 cm2

QC1017760 Surrogate	%REC	Limits
TCMX (PCB)	94	52-186
Decachlorobiphenyl (PCB)	95	60-140

Legend

ND: Not Detected

RL: Reporting Limit

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 470422 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 298550 **Analysis:** EPA 8082

Lab ID: QC1017761 **Prepared:** 10/10/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/11/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1017761 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.464	89	60-140	ug/100 cm2
Aroclor-1260	5.000	4.489	90	60-140	ug/100 cm2

QC1017761 Surrogate	%REC	Limits
TCMX (PCB)	88	52-186
Decachlorobiphenyl (PCB)	88	60-140

Type: BSD **Batch#:** 298550 **Analysis:** EPA 8082

Lab ID: QC1017762 **Prepared:** 10/10/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/11/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1017762 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.767	95	60-140	ug/100 cm2	7	20
Aroclor-1260	5.000	4.763	95	60-140	ug/100 cm2	6	20

QC1017762 Surrogate	%REC	Limits
TCMX (PCB)	93	52-186
Decachlorobiphenyl (PCB)	95	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470473 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 298737 **Analysis:** EPA 8082

Lab ID: QC1018347 **Prepared:** 10/12/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/18/22

DilnFac: 1.000 **Prep:** EPA 3580

QC1018347 Analyte	Result	RL	Units
Aroclor-1016	ND	0.25	ug/100 cm2
Aroclor-1221	ND	0.25	ug/100 cm2
Aroclor-1232	ND	0.25	ug/100 cm2
Aroclor-1242	ND	0.25	ug/100 cm2
Aroclor-1248	ND	0.25	ug/100 cm2
Aroclor-1254	ND	0.25	ug/100 cm2
Aroclor-1260	ND	0.25	ug/100 cm2
Aroclor-1262	ND	0.25	ug/100 cm2
Aroclor-1268	ND	0.25	ug/100 cm2

QC1018347 Surrogate	%REC	Limits
TCMX (PCB)	77	52-186
Decachlorobiphenyl (PCB)	74	60-140

Legend

ND: Not Detected

RL: Reporting Limit

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 470473 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 298737 **Analysis:** EPA 8082

Lab ID: QC1018348 **Prepared:** 10/12/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/18/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1018348 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.327	87	60-140	ug/100 cm2
Aroclor-1260	5.000	4.472	89	60-140	ug/100 cm2

QC1018348 Surrogate	%REC	Limits
TCMX (PCB)	80	52-186
Decachlorobiphenyl (PCB)	79	60-140

Type: BSD **Batch#:** 298737 **Analysis:** EPA 8082

Lab ID: QC1018349 **Prepared:** 10/12/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/18/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1018349 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.489	90	60-140	ug/100 cm2	4	20
Aroclor-1260	5.000	4.691	94	60-140	ug/100 cm2	5	20

QC1018349 Surrogate	%REC	Limits
TCMX (PCB)	82	52-186
Decachlorobiphenyl (PCB)	85	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470460 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2W-DG-2 TO 2.5-UP-C2W-DG-221008-P-LA **Batch#:** 298736 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 8082

Lab ID: 470460-012 **Received:** 10/10/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/12/22

Diln Fac: 1.000 **Analyzed:** 10/12/22

470460-012 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470460-012 Surrogate	%REC	Limits
TCMX (PCB)	59	52-186
Decachlorobiphenyl (PCB)	44 *	50-150

Type: BLANK **Batch#:** 298736 **Analysis:** EPA 8082

Lab ID: QC1018344 **Prepared:** 10/12/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 10/12/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1018344 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1018344 Surrogate	%REC	Limits
TCMX (PCB)	47 *	52-186
Decachlorobiphenyl (PCB)	48 *	60-140

Legend

***:** Value is outside QC limits

ND: Not Detected

RL: Reporting Limit

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 470460 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 298736 **Analysis:** EPA 8082

Lab ID: QC1018345 **Prepared:** 10/12/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 10/12/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1018345 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.466	89	60-140	ug/100 cm2
Aroclor-1260	5.000	4.085	82	60-140	ug/100 cm2

QC1018345 Surrogate	%REC	Limits
TCMX (PCB)	87	52-186
Decachlorobiphenyl (PCB)	66	60-140

Type: BSD **Batch#:** 298736 **Analysis:** EPA 8082

Lab ID: QC1018346 **Prepared:** 10/12/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 10/12/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1018346 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.658	93	60-140	ug/100 cm2	4	20
Aroclor-1260	5.000	4.644	93	60-140	ug/100 cm2	13	20

QC1018346 Surrogate	%REC	Limits
TCMX (PCB)	88	52-186
Decachlorobiphenyl (PCB)	77	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471955 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 300277 **Analysis:** EPA 8082

Lab ID: QC1023077 **Prepared:** 11/04/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 11/06/22

DilnFac: 1.000 **Prep:** EPA 3580

QC1023077 Analyte	Result	RL	Units
Aroclor-1016	ND	0.25	ug/100 cm2
Aroclor-1221	ND	0.25	ug/100 cm2
Aroclor-1232	ND	0.25	ug/100 cm2
Aroclor-1242	ND	0.26	ug/100 cm2
Aroclor-1248	ND	0.25	ug/100 cm2
Aroclor-1254	ND	0.25	ug/100 cm2
Aroclor-1260	ND	0.25	ug/100 cm2
Aroclor-1262	ND	0.25	ug/100 cm2
Aroclor-1268	ND	0.25	ug/100 cm2

QC1023077 Surrogate	%REC	Limits
TCMX (PCB)	94	52-186
Decachlorobiphenyl (PCB)	80	60-140

Legend

ND: Not Detected

RL: Reporting Limit

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 471955 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 300277 **Analysis:** EPA 8082

Lab ID: QC1023078 **Prepared:** 11/04/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 11/06/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1023078 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.834	97	60-140	ug/100 cm2
Aroclor-1260	5.000	5.063	101	60-140	ug/100 cm2

QC1023078 Surrogate	%REC	Limits
TCMX (PCB)	98	52-186
Decachlorobiphenyl (PCB)	79	60-140

Type: BSD **Batch#:** 300277 **Analysis:** EPA 8082

Lab ID: QC1023079 **Prepared:** 11/04/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 11/06/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1023079 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.441	89	60-140	ug/100 cm2	8	20
Aroclor-1260	5.000	4.572	91	60-140	ug/100 cm2	10	20

QC1023079 Surrogate	%REC	Limits
TCMX (PCB)	90	52-186
Decachlorobiphenyl (PCB)	73	60-140

Legend

RPD: Relative Percent Difference

Clearance Wipe Sample
Laboratory Quality Control Analytical Results

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 468247 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z1EA-L4-220830-P **Batch#:** 296531 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 8082

Lab ID: 468247-033 **Received:** 08/30/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 09/08/22

DiIn Fac: 1.000 **Analyzed:** 09/10/22

468247-033 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

468247-033 Surrogate	%REC	Limits
TCMX (PCB)	62	52-186
Decachlorobiphenyl (PCB)	50	50-150

Type: BLANK **Batch#:** 296531 **Analysis:** EPA 8082

Lab ID: QC1011503 **Prepared:** 09/08/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 09/09/22

DiIn Fac: 1.000 **Prep:** EPA 3580

QC1011503 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1011503 Surrogate	%REC	Limits
TCMX (PCB)	73	52-186
Decachlorobiphenyl (PCB)	63	60-140

Legend

***:** Value is outside QC limits

ND: Not Detected

RL: Reporting Limit

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 468247 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 296531 **Analysis:** EPA 8082

Lab ID: QC1011504 **Prepared:** 09/08/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 09/09/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1011504 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.627	73	60-140	ug/100 cm2
Aroclor-1260	5.000	3.542	71	60-140	ug/100 cm2

QC1011504 Surrogate	%REC	Limits
TCMX (PCB)	78	52-186
Decachlorobiphenyl (PCB)	66	60-140

Type: BSD **Batch#:** 296531 **Analysis:** EPA 8082

Lab ID: QC1011505 **Prepared:** 09/08/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 09/09/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1011505 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	3.530	71	60-140	ug/100 cm2	3	20
Aroclor-1260	5.000	3.520	70	60-140	ug/100 cm2	1	20

QC1011505 Surrogate	%REC	Limits
TCMX (PCB)	68	52-186
Decachlorobiphenyl (PCB)	61	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467609 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 295440 **Analysis:** EPA 8082

Lab ID: QC1007909 **Prepared:** 08/22/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 08/23/22

Dil n Fac: 1.000 **Prep:** EPA 3580

QC1007909 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1007909 Surrogate	%REC	Limits
TCMX (PCB)	78	52-186
Decachlorobiphenyl (PCB)	89	60-140

Legend

***:** Value is outside QC limits

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 467609 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295440 **Analysis:** EPA 8082

Lab ID: QC1007910 **Prepared:** 08/22/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 08/23/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1007910 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.743	95	60-140	ug/100 cm2
Aroclor-1260	5.000	4.974	99	60-140	ug/100 cm2

QC1007910 Surrogate	%REC	Limits
TCMX (PCB)	79	52-186
Decachlorobiphenyl (PCB)	93	60-140

Type: BSD **Batch#:** 295440 **Analysis:** EPA 8082

Lab ID: QC1007911 **Prepared:** 08/22/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 08/23/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1007911 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.713	94	60-140	ug/100 cm2	1	20
Aroclor-1260	5.000	4.985	100	60-140	ug/100 cm2	0	20

QC1007911 Surrogate	%REC	Limits
TCMX (PCB)	76	52-186
Decachlorobiphenyl (PCB)	91	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466211 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z1EC-L6-220725-P **Batch#:** 293814 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 07/25/22 **Analysis:** EPA 8082

Lab ID: 466211-018 **Received:** 07/25/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 07/27/22

DiIn Fac: 1.000 **Analyzed:** 07/28/22

466211-018 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466211-018 Surrogate	%REC	Limits
TCMX (PCB)	167	52-186
Decachlorobiphenyl (PCB)	141	50-150

Type: BLANK **Batch#:** 293814 **Analysis:** EPA 8082

Lab ID: QC1002970 **Prepared:** 07/27/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 07/28/22

DiIn Fac: 1.000 **Prep:** EPA 3580

QC1002970 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1002970 Surrogate	%REC	Limits
TCMX (PCB)	106	52-186
Decachlorobiphenyl (PCB)	98	60-140

Legend

***:** Value is outside QC limits

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 466211 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 293814 **Analysis:** EPA 8082

Lab ID: QC1002971 **Prepared:** 07/27/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 07/28/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1002971 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.314	106	60-140	ug/100 cm2
Aroclor-1260	5.000	5.739	115	60-140	ug/100 cm2

QC1002971 Surrogate	%REC	Limits
TCMX (PCB)	103	52-186
Decachlorobiphenyl (PCB)	99	60-140

Type: BSD **Batch#:** 293814 **Analysis:** EPA 8082

Lab ID: QC1002972 **Prepared:** 07/27/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 07/28/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1002972 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.279	106	60-140	ug/100 cm2	1	20
Aroclor-1260	5.000	5.636	113	60-140	ug/100 cm2	2	20

QC1002972 Surrogate	%REC	Limits
TCMX (PCB)	101	52-186
Decachlorobiphenyl (PCB)	96	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466158 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 - NCTRA WP

Type: BLANK **Batch#:** 293813 **Analysis:** EPA 8082

Lab ID: QC1002967 **Prepared:** 07/27/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/29/22

Dil'n Fac: 1.000 **Prep:** EPA 3580

QC1002967 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1002967 Surrogate	%REC	Limits
TCMX (PCB)	96	52-186
Decachlorobiphenyl (PCB)	92	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 466158 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 - NCTRA WP

Type: BS **Batch#:** 293813 **Analysis:** EPA 8082

Lab ID: QC1002968 **Prepared:** 07/27/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/29/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1002968 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.987	100	60-140	ug/100 cm2
Aroclor-1260	5.000	4.901	98	60-140	ug/100 cm2

QC1002968 Surrogate	%REC	Limits
TCMX (PCB)	88	52-186
Decachlorobiphenyl (PCB)	86	60-140

Type: BSD **Batch#:** 293813 **Analysis:** EPA 8082

Lab ID: QC1002969 **Prepared:** 07/27/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/29/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1002969 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.761	95	60-140	ug/100 cm2	5	20
Aroclor-1260	5.000	4.645	93	60-140	ug/100 cm2	5	20

QC1002969 Surrogate	%REC	Limits
TCMX (PCB)	83	52-186
Decachlorobiphenyl (PCB)	80	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467437 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 295181 **Analysis:** EPA 8082

Lab ID: QC1007019 **Prepared:** 08/17/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/17/22

DilnFac: 1.000 **Prep:** EPA 3580

QC1007019 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1007019 Surrogate	%REC	Limits
TCMX (PCB)	98	52-186
Decachlorobiphenyl (PCB)	81	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 467437 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295181 **Analysis:** EPA 8082

Lab ID: QC1007020 **Prepared:** 08/17/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/17/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1007020 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.449	109	60-140	ug/100 cm2
Aroclor-1260	5.000	5.714	114	60-140	ug/100 cm2

QC1007020 Surrogate	%REC	Limits
TCMX (PCB)	100	52-186
Decachlorobiphenyl (PCB)	95	60-140

Type: BSD **Batch#:** 295181 **Analysis:** EPA 8082

Lab ID: QC1007021 **Prepared:** 08/17/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/17/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1007021 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.562	111	60-140	ug/100 cm2	2	20
Aroclor-1260	5.000	5.840	117	60-140	ug/100 cm2	2	20

QC1007021 Surrogate	%REC	Limits
TCMX (PCB)	104	52-186
Decachlorobiphenyl (PCB)	95	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471469 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-MEDBLANK-221025-P **Batch#:** 299724 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 8082

Lab ID: 471469-033 **Received:** 10/25/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/02/22

Diln Fac: 1.000 **Analyzed:** 11/02/22

471469-033 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471469-033 Surrogate	%REC	Limits
TCMX (PCB)	57	52-186
Decachlorobiphenyl (PCB)	60	50-150

Type: BLANK **Batch#:** 299724 **Analysis:** EPA 8082

Lab ID: QC1021392 **Prepared:** 11/01/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 11/02/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1021392 Analyte	Result	RL	Units
Aroclor-1016	ND	0.25	ug/100 cm2
Aroclor-1221	ND	0.32	ug/100 cm2
Aroclor-1232	ND	0.25	ug/100 cm2
Aroclor-1242	ND	0.33	ug/100 cm2
Aroclor-1248	ND	0.37	ug/100 cm2
Aroclor-1254	ND	0.25	ug/100 cm2
Aroclor-1260	ND	0.25	ug/100 cm2
Aroclor-1262	ND	0.25	ug/100 cm2
Aroclor-1268	ND	0.25	ug/100 cm2

QC1021392 Surrogate	%REC	Limits
TCMX (PCB)	64	52-186
Decachlorobiphenyl (PCB)	69	60-140

Legend

***:** Value is outside QC limits

ND: Not Detected

RL: Reporting Limit

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 471469 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 299724 **Analysis:** EPA 8082

Lab ID: QC1021393 **Prepared:** 11/01/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 11/02/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1021393 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.332	67	60-140	ug/100 cm2
Aroclor-1260	5.000	3.663	73	60-140	ug/100 cm2

QC1021393 Surrogate	%REC	Limits
TCMX (PCB)	64	52-186
Decachlorobiphenyl (PCB)	65	60-140

Type: BSD **Batch#:** 299724 **Analysis:** EPA 8082

Lab ID: QC1021394 **Prepared:** 11/01/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 11/02/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1021394 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	3.364	67	60-140	ug/100 cm2	1	20
Aroclor-1260	5.000	4.158	83	60-140	ug/100 cm2	13	20

QC1021394 Surrogate	%REC	Limits
TCMX (PCB)	67	52-186
Decachlorobiphenyl (PCB)	85	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471044 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-MEDBLANK-221018-P **Batch#:** 299221 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 8082

Lab ID: 471044-033 **Received:** 10/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/19/22

Diln Fac: 1.000 **Analyzed:** 10/25/22

471044-033 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471044-033 Surrogate	%REC	Limits
TCMX (PCB)	56	52-186
Decachlorobiphenyl (PCB)	60	50-150

Type: BLANK **Batch#:** 299221 **Analysis:** EPA 8082

Lab ID: QC1019916 **Prepared:** 10/19/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 10/26/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1019916 Analyte	Result	RL	Units
Aroclor-1016	ND	0.25	ug/100 cm2
Aroclor-1221	ND	0.25	ug/100 cm2
Aroclor-1232	ND	0.25	ug/100 cm2
Aroclor-1242	ND	0.25	ug/100 cm2
Aroclor-1248	ND	0.25	ug/100 cm2
Aroclor-1254	ND	0.25	ug/100 cm2
Aroclor-1260	ND	0.25	ug/100 cm2
Aroclor-1262	ND	0.25	ug/100 cm2
Aroclor-1268	ND	0.25	ug/100 cm2

QC1019916 Surrogate	%REC	Limits
TCMX (PCB)	80	52-186
Decachlorobiphenyl (PCB)	102	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 471044 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 299221 **Analysis:** EPA 8082

Lab ID: QC1019917 **Prepared:** 10/19/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 10/25/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1019917 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.172	83	60-140	ug/100 cm2
Aroclor-1260	5.000	3.550	71	60-140	ug/100 cm2

QC1019917 Surrogate	%REC	Limits
TCMX (PCB)	75	52-186
Decachlorobiphenyl (PCB)	54 *	60-140

Type: BSD **Batch#:** 299221 **Analysis:** EPA 8082

Lab ID: QC1019918 **Prepared:** 10/19/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 10/25/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1019918 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.034	101	60-140	ug/100 cm2	19	20
Aroclor-1260	5.000	5.392	108	60-140	ug/100 cm2	41 *	20

QC1019918 Surrogate	%REC	Limits
TCMX (PCB)	88	52-186
Decachlorobiphenyl (PCB)	98	60-140

Legend

*: Value is outside QC limits

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470046 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z2EA-L14-221003-P **Batch#:** 298413 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/03/22 **Analysis:** EPA 8082

Lab ID: 470046-012 **Received:** 10/03/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/06/22

Diln Fac: 1.000 **Analyzed:** 10/06/22

470046-012 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

470046-012 Surrogate	%REC	Limits
TCMX (PCB)	67	52-186
Decachlorobiphenyl (PCB)	68	50-150

Type: BLANK **Batch#:** 298413 **Analysis:** EPA 8082

Lab ID: QC1017325 **Prepared:** 10/06/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/06/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1017325 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1017325 Surrogate	%REC	Limits
TCMX (PCB)	104	52-186
Decachlorobiphenyl (PCB)	92	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 470046 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 298413 **Analysis:** EPA 8082

Lab ID: QC1017326 **Prepared:** 10/06/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/06/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1017326 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.773	95	60-140	ug/100 cm2
Aroclor-1260	5.000	4.738	95	60-140	ug/100 cm2

QC1017326 Surrogate	%REC	Limits
TCMX (PCB)	94	52-186
Decachlorobiphenyl (PCB)	84	60-140

Type: BSD **Batch#:** 298413 **Analysis:** EPA 8082

Lab ID: QC1017327 **Prepared:** 10/06/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/06/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1017327 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.896	98	60-140	ug/100 cm2	3	20
Aroclor-1260	5.000	4.834	97	60-140	ug/100 cm2	2	20

QC1017327 Surrogate	%REC	Limits
TCMX (PCB)	96	52-186
Decachlorobiphenyl (PCB)	84	60-140

Legend

RPD: Relative Percent Difference

Mockup Wipe Sample
Laboratory Quality Control Analytical Results

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 448523 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 Mock-Up

Type: BLANK **Batch#:** 271333 **Analysis:** EPA 8082

Lab ID: QC936438 **Prepared:** 07/29/21 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/29/21

Dil n Fac: 1.000 **Prep:** EPA 3580

Analyte	Result	RL	MDL	Units
Aroclor-1016	ND	1.0	0.060	ug/100cm2
Aroclor-1221	ND	1.0	0.28	ug/100cm2
Aroclor-1232	ND	1.0	0.19	ug/100cm2
Aroclor-1242	ND	1.0	0.28	ug/100cm2
Aroclor-1248	ND	1.0	0.38	ug/100cm2
Aroclor-1254	ND	1.0	0.40	ug/100cm2
Aroclor-1260	ND	1.0	0.14	ug/100cm2
Aroclor-1268	ND	1.0	0.17	ug/100cm2

Surrogate	%REC	Limits
TCMX (PCB)	104	52-186
Decachlorobiphenyl (PCB)	108	60-140

Type: BLANK **Batch#:** 271334 **Analysis:** EPA 8082

Lab ID: QC936441 **Prepared:** 07/29/21 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/29/21

Dil n Fac: 1.000 **Prep:** EPA 3580

Analyte	Result	RL	MDL	Units
Aroclor-1016	ND	1.0	0.060	ug/100cm2
Aroclor-1221	ND	1.0	0.28	ug/100cm2
Aroclor-1232	ND	1.0	0.19	ug/100cm2
Aroclor-1242	ND	1.0	0.28	ug/100cm2
Aroclor-1248	ND	1.0	0.38	ug/100cm2
Aroclor-1254	ND	1.0	0.40	ug/100cm2
Aroclor-1260	ND	1.0	0.14	ug/100cm2
Aroclor-1268	ND	1.0	0.17	ug/100cm2

Surrogate	%REC	Limits
TCMX (PCB)	113	52-186
Decachlorobiphenyl (PCB)	106	60-140

Legend

MDL: Method Detection Limit

ND: Not Detected at or above MDL

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 448523 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 Mock-Up

Type: BS **Batch#:** 271333 **Analysis:** EPA 8082

Lab ID: QC936439 **Prepared:** 07/29/21 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/29/21

Diln Fac: 1.000 **Prep:** EPA 3580

Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.964	99	60-140	ug/100cm2
Aroclor-1260	5.000	5.603	112	60-140	ug/100cm2

Surrogate	%REC	Limits
TCMX (PCB)	95	52-186
Decachlorobiphenyl (PCB)	107	60-140

Type: BSD **Batch#:** 271333 **Analysis:** EPA 8082

Lab ID: QC936440 **Prepared:** 07/29/21 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/29/21

Diln Fac: 1.000 **Prep:** EPA 3580

Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.684	94	60-140	ug/100cm2	6	20
Aroclor-1260	5.000	5.417	108	60-140	ug/100cm2	3	20

Surrogate	%REC	Limits
TCMX (PCB)	93	52-186
Decachlorobiphenyl (PCB)	96	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 448523 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 Mock-Up

Type: BS **Batch#:** 271334 **Analysis:** EPA 8082

Lab ID: QC936442 **Prepared:** 07/29/21 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/29/21

Diln Fac: 1.000 **Prep:** EPA 3580

Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.531	111	60-140	ug/100cm2
Aroclor-1260	5.000	6.795	136	60-140	ug/100cm2

Surrogate	%REC	Limits
TCMX (PCB)	96	52-186
Decachlorobiphenyl (PCB)	120	60-140

Type: BSD **Batch#:** 271334 **Analysis:** EPA 8082

Lab ID: QC936443 **Prepared:** 07/29/21 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/30/21

Diln Fac: 1.000 **Prep:** EPA 3580

Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.766	115	60-140	ug/100cm2	4	20
Aroclor-1260	5.000	7.007	140	60-140	ug/100cm2	3	20

Surrogate	%REC	Limits
TCMX (PCB)	101	52-186
Decachlorobiphenyl (PCB)	122	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 447950 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 Mock-Up

Type: BLANK **Batch#:** 270525 **Analysis:** EPA 8082

Lab ID: QC934207 **Prepared:** 07/14/21 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/14/21

DiIn Fac: 1.000 **Prep:** EPA 3580

Analyte	Result	RL	MDL	Units
Aroclor-1016	ND	1.0	0.060	ug/100cm2
Aroclor-1221	ND	1.0	0.28	ug/100cm2
Aroclor-1232	ND	1.0	0.19	ug/100cm2
Aroclor-1242	ND	1.0	0.28	ug/100cm2
Aroclor-1248	ND	1.0	0.38	ug/100cm2
Aroclor-1254	ND	1.0	0.40	ug/100cm2
Aroclor-1260	ND	1.0	0.14	ug/100cm2
Aroclor-1268	ND	0.40	0.17	ug/100cm2

Surrogate	%REC	Limits
TCMX (PCB)	108	52-186
Decachlorobiphenyl (PCB)	118	60-140

Legend

MDL: Method Detection Limit

ND: Not Detected at or above MDL

RL: Reporting Limit

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 447950 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 Mock-Up

Type: BS **Batch#:** 270525 **Analysis:** EPA 8082

Lab ID: QC934208 **Prepared:** 07/14/21 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/14/21

Diln Fac: 1.000 **Prep:** EPA 3580

Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	6.653	133	60-140	ug/100cm2
Aroclor-1260	5.000	7.004	140	60-140	ug/100cm2

Surrogate	%REC	Limits
TCMX (PCB)	111	52-186
Decachlorobiphenyl (PCB)	122	60-140

Type: BSD **Batch#:** 270525 **Analysis:** EPA 8082

Lab ID: QC934209 **Prepared:** 07/14/21 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/14/21

Diln Fac: 1.000 **Prep:** EPA 3580

Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	6.669	133	60-140	ug/100cm2	0	20
Aroclor-1260	5.000	7.300	146 *	60-140	ug/100cm2	4	20

Surrogate	%REC	Limits
TCMX (PCB)	110	52-186
Decachlorobiphenyl (PCB)	123	60-140

Legend

*: Value is outside QC limits

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 448133 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 Mock-Up

Type: BLANK **Batch#:** 270746 **Analysis:** EPA 8082

Lab ID: QC934835 **Prepared:** 07/19/21 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/19/21

DilnFac: 1.000 **Prep:** EPA 3580

Analyte	Result	RL	MDL	Units
Aroclor-1016	ND	1.0	0.060	ug/100cm2
Aroclor-1221	ND	1.0	0.28	ug/100cm2
Aroclor-1232	ND	1.0	0.19	ug/100cm2
Aroclor-1242	ND	1.0	0.28	ug/100cm2
Aroclor-1248	ND	1.0	0.38	ug/100cm2
Aroclor-1254	ND	1.0	0.40	ug/100cm2
Aroclor-1260	ND	1.0	0.14	ug/100cm2
Aroclor-1268	ND	1.0	0.17	ug/100cm2

Surrogate	%REC	Limits
TCMX (PCB)	78	52-186
Decachlorobiphenyl (PCB)	90	60-140

Legend

J: Estimated value

MDL: Method Detection Limit

ND: Not Detected at or above MDL

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 448133 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 Mock-Up

Type: BS **Batch#:** 270746 **Analysis:** EPA 8082

Lab ID: QC934836 **Prepared:** 07/19/21 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/19/21

Diln Fac: 1.000 **Prep:** EPA 3580

Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.017	100	60-140	ug/100cm2
Aroclor-1260	5.000	6.366	127	60-140	ug/100cm2

Surrogate	%REC	Limits
TCMX (PCB)	98	52-186
Decachlorobiphenyl (PCB)	117	60-140

Type: BSD **Batch#:** 270746 **Analysis:** EPA 8082

Lab ID: QC934837 **Prepared:** 07/19/21 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/19/21

Diln Fac: 1.000 **Prep:** EPA 3580

Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.105	102	60-140	ug/100cm2	2	20
Aroclor-1260	5.000	6.329	127	60-140	ug/100cm2	1	20

Surrogate	%REC	Limits
TCMX (PCB)	100	52-186
Decachlorobiphenyl (PCB)	114	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 448064 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 Mock-Up

Field ID: WIPE-P-NPSSUP-071521-DUP2 **Batch#:** 270695 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 07/15/21 **Analysis:** EPA 8082

Lab ID: 448064-036 **Received:** 07/15/21 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/16/21

DiIn Fac: 1.000 **Analyzed:** 07/17/21

Analyte	Result	RL	MDL	Units
Aroclor-1016	ND	1.0	0.060	ug/100cm2
Aroclor-1221	ND	1.0	0.28	ug/100cm2
Aroclor-1232	ND	1.0	0.19	ug/100cm2
Aroclor-1242	ND	1.0	0.28	ug/100cm2
Aroclor-1248	ND	1.0	0.38	ug/100cm2
Aroclor-1254	ND	1.0	0.40	ug/100cm2
Aroclor-1260	ND	1.0	0.14	ug/100cm2
Aroclor-1268	ND	1.0	0.17	ug/100cm2

Surrogate	%REC	Limits
TCMX (PCB)	83	52-186
Decachlorobiphenyl (PCB)	67	50-150

Type: BLANK **Batch#:** 270695 **Analysis:** EPA 8082

Lab ID: QC934657 **Prepared:** 07/16/21 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/16/21

DiIn Fac: 1.000 **Prep:** EPA 3580

Analyte	Result	RL	MDL	Units
Aroclor-1016	ND	1.0	0.060	ug/100cm2
Aroclor-1221	ND	1.0	0.28	ug/100cm2
Aroclor-1232	ND	1.0	0.19	ug/100cm2
Aroclor-1242	ND	1.0	0.28	ug/100cm2
Aroclor-1248	ND	1.0	0.38	ug/100cm2
Aroclor-1254	ND	1.0	0.40	ug/100cm2
Aroclor-1260	ND	1.0	0.14	ug/100cm2
Aroclor-1268	ND	1.0	0.17	ug/100cm2

Surrogate	%REC	Limits
TCMX (PCB)	106	52-186
Decachlorobiphenyl (PCB)	74	60-140

Legend

***:** Value is outside QC limits

MDL: Method Detection Limit

ND: Not Detected at or above MDL

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 448064 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 Mock-Up

Type: BS **Batch#:** 270695 **Analysis:** EPA 8082

Lab ID: QC934658 **Prepared:** 07/16/21 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/16/21

Dil'n Fac: 1.000 **Prep:** EPA 3580

Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.104	102	60-140	ug/s
Aroclor-1260	5.000	4.202	84	60-140	ug/s

Surrogate	%REC	Limits
TCMX (PCB)	100	52-186
Decachlorobiphenyl (PCB)	65	60-140

Type: BSD **Batch#:** 270695 **Analysis:** EPA 8082

Lab ID: QC934659 **Prepared:** 07/16/21 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/16/21

Dil'n Fac: 1.000 **Prep:** EPA 3580

Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.418	108	60-140	ug/s	6	20
Aroclor-1260	5.000	4.754	95	60-140	ug/s	12	20

Surrogate	%REC	Limits
TCMX (PCB)	102	52-186
Decachlorobiphenyl (PCB)	74	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 447944 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 Mock-Up

Field ID: WIPE-P-NPSEXT-071221-05 **Batch#:** 270524 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 07/12/21 **Analysis:** EPA 8082

Lab ID: 447944-028 **Received:** 07/13/21 **Analyst:** MTS

Matrix: Wipe **Prepared:** 07/14/21

Diln Fac: 1.000 **Analyzed:** 07/14/21

Analyte	Result	RL	MDL	Units
Aroclor-1016	ND	1.0	0.21	ug/100cm2
Aroclor-1221	ND	1.0	0.65	ug/100cm2
Aroclor-1232	ND	1.0	0.17	ug/100cm2
Aroclor-1242	ND	1.0	0.66	ug/100cm2
Aroclor-1248	ND	1.0	0.74	ug/100cm2
Aroclor-1254	ND	1.0	0.34	ug/100cm2
Aroclor-1260	ND	1.0	0.20	ug/100cm2
Aroclor-1268	ND	1.0	0.36	ug/100cm2

Surrogate	%REC	Limits
TCMX (PCB)	87	52-186
Decachlorobiphenyl (PCB)	79	50-150

Type: BLANK **Batch#:** 270524 **Analysis:** EPA 8082

Lab ID: QC934204 **Prepared:** 07/14/21 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 07/14/21

Diln Fac: 1.000 **Prep:** EPA 3580

Analyte	Result	RL	MDL	Units
Aroclor-1016	ND	1.0	0.21	ug/100cm2
Aroclor-1221	ND	1.0	0.65	ug/100cm2
Aroclor-1232	ND	1.0	0.17	ug/100cm2
Aroclor-1242	ND	1.0	0.66	ug/100cm2
Aroclor-1248	ND	1.0	0.74	ug/100cm2
Aroclor-1254	ND	1.0	0.34	ug/100cm2
Aroclor-1260	ND	1.0	0.20	ug/100cm2
Aroclor-1268	ND	1.0	0.36	ug/100cm2

Surrogate	%REC	Limits
TCMX (PCB)	80	52-186
Decachlorobiphenyl (PCB)	73	60-140

Legend

MDL: Method Detection Limit

ND: Not Detected at or above MDL

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 447944 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 Mock-Up

Type: BS **Batch#:** 270524 **Analysis:** EPA 8082

Lab ID: QC934205 **Prepared:** 07/14/21 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 07/14/21

Diln Fac: 1.000 **Prep:** EPA 3580

Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.922	98	60-140	ug/100cm2
Aroclor-1260	5.000	4.925	98	60-140	ug/100cm2

Surrogate	%REC	Limits
TCMX (PCB)	84	52-186
Decachlorobiphenyl (PCB)	75	60-140

Type: BSD **Batch#:** 270524 **Analysis:** EPA 8082

Lab ID: QC934206 **Prepared:** 07/14/21 **Analyst:** MTS

Matrix: Wipe **Analyzed:** 07/14/21

Diln Fac: 1.000 **Prep:** EPA 3580

Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.333	107	60-140	ug/100cm2	8	20
Aroclor-1260	5.000	5.328	107	60-140	ug/100cm2	8	20

Surrogate	%REC	Limits
TCMX (PCB)	89	52-186
Decachlorobiphenyl (PCB)	84	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 447811 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Moffett Airfield

Field ID: WIPE-P-EQUIP-070921-04 **Batch#:** 270418 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 07/09/21 **Analysis:** EPA 8082

Lab ID: 447811-021 **Received:** 07/09/21 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/13/21

Dil n Fac: 1.000 **Analyzed:** 07/14/21

Analyte	Result	RL	MDL	Units
Aroclor-1016	ND	1.0	0.060	ug/100cm2
Aroclor-1221	ND	1.0	0.28	ug/100cm2
Aroclor-1232	ND	1.0	0.19	ug/100cm2
Aroclor-1242	ND	1.0	0.28	ug/100cm2
Aroclor-1248	ND	1.0	0.38	ug/100cm2
Aroclor-1254	ND	1.0	0.40	ug/100cm2
Aroclor-1260	ND	1.0	0.14	ug/100cm2
Aroclor-1268	ND	1.0	0.17	ug/100cm2

Surrogate	%REC	Limits
TCMX (PCB)	98	52-186
Decachlorobiphenyl (PCB)	100	50-150

Type: BLANK **Batch#:** 270418 **Analysis:** EPA 8082

Lab ID: QC933905 **Prepared:** 07/13/21 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/14/21

Dil n Fac: 1.000 **Prep:** EPA 3580

Analyte	Result	RL	MDL	Units
Aroclor-1016	ND	1.0	0.060	ug/100cm2
Aroclor-1221	ND	1.0	0.28	ug/100cm2
Aroclor-1232	ND	1.0	0.19	ug/100cm2
Aroclor-1242	ND	1.0	0.28	ug/100cm2
Aroclor-1248	ND	1.0	0.38	ug/100cm2
Aroclor-1254	ND	1.0	0.40	ug/100cm2
Aroclor-1260	ND	1.0	0.14	ug/100cm2
Aroclor-1268	ND	1.0	0.17	ug/100cm2

Surrogate	%REC	Limits
TCMX (PCB)	84	52-186
Decachlorobiphenyl (PCB)	94	60-140

Legend

MDL: Method Detection Limit

ND: Not Detected at or above MDL

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 447811 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Moffett Airfield

Type: BS **Batch#:** 270418 **Analysis:** EPA 8082

Lab ID: QC933906 **Prepared:** 07/13/21 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/14/21

Diln Fac: 1.000 **Prep:** EPA 3580

Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.872	117	60-140	ug/s
Aroclor-1260	5.000	6.414	128	60-140	ug/s

Surrogate	%REC	Limits
TCMX (PCB)	100	52-186
Decachlorobiphenyl (PCB)	126	60-140

Type: BSD **Batch#:** 270418 **Analysis:** EPA 8082

Lab ID: QC933907 **Prepared:** 07/13/21 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/14/21

Diln Fac: 1.000 **Prep:** EPA 3580

Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.627	113	60-140	ug/s	4	20
Aroclor-1260	5.000	6.472	129	60-140	ug/s	1	20

Surrogate	%REC	Limits
TCMX (PCB)	96	52-186
Decachlorobiphenyl (PCB)	128	60-140

Legend

RPD: Relative Percent Difference

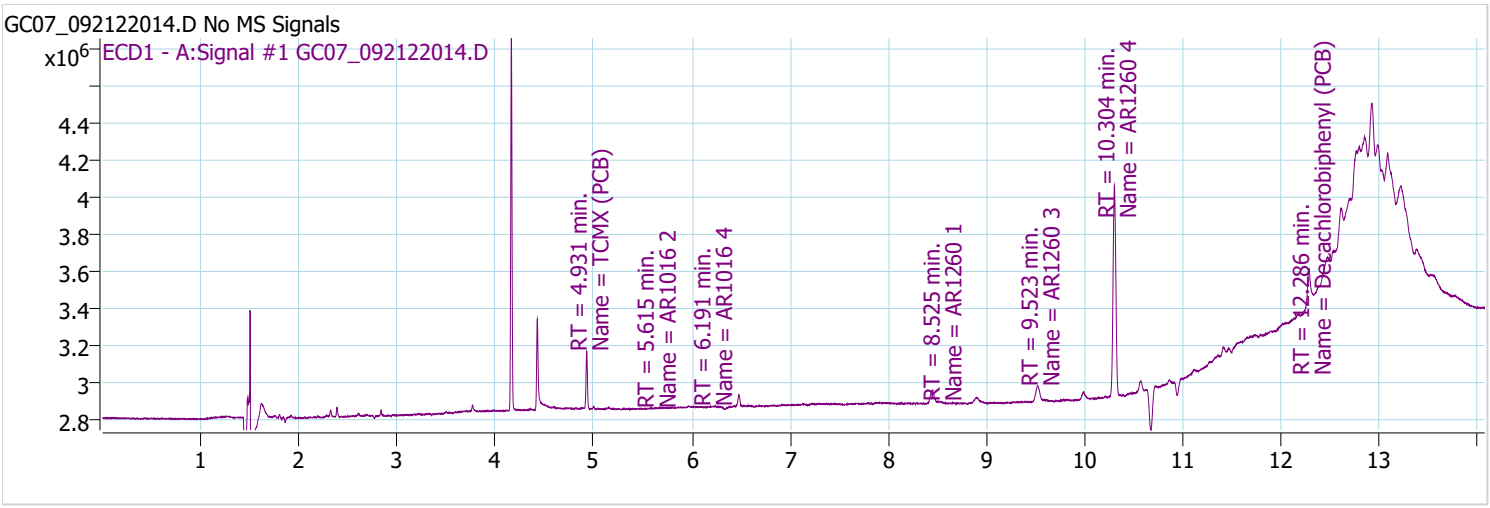
Attachment 5

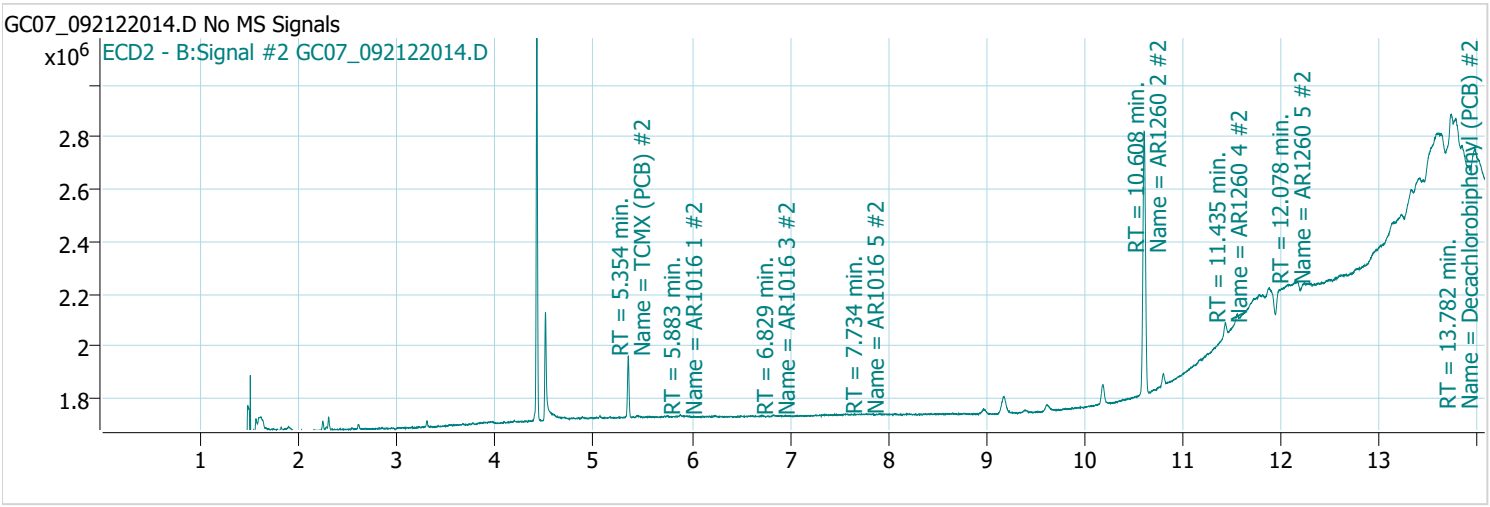
Non-NTCRA-Related PCB Chromatograms showing Matrix Interference

The following demonstrates multiple examples of baseline interference, many where the target analyte peak (centered on the vertical marker line) is not significantly larger than the peaks around it.

Quantitation Results Report (Not Reviewed)

Data File	GC07_092122014.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	9/21/2022 7:38:02 PM
Sample Name	468975-001, 297407, 10	Instrument	SVOA-GC07
Vial	4	Multiplier	1.00
DA Method File	PCB_608_091422_GC07_4.m	Comment	MISC/1G-10G//ACID WASH
Tune File	ATUNE.U	Tune Date	
Batch Name	092122_PCB.batch.bin	Last Calib Update	9/14/2022 12:05:23 PM
Ref Library			



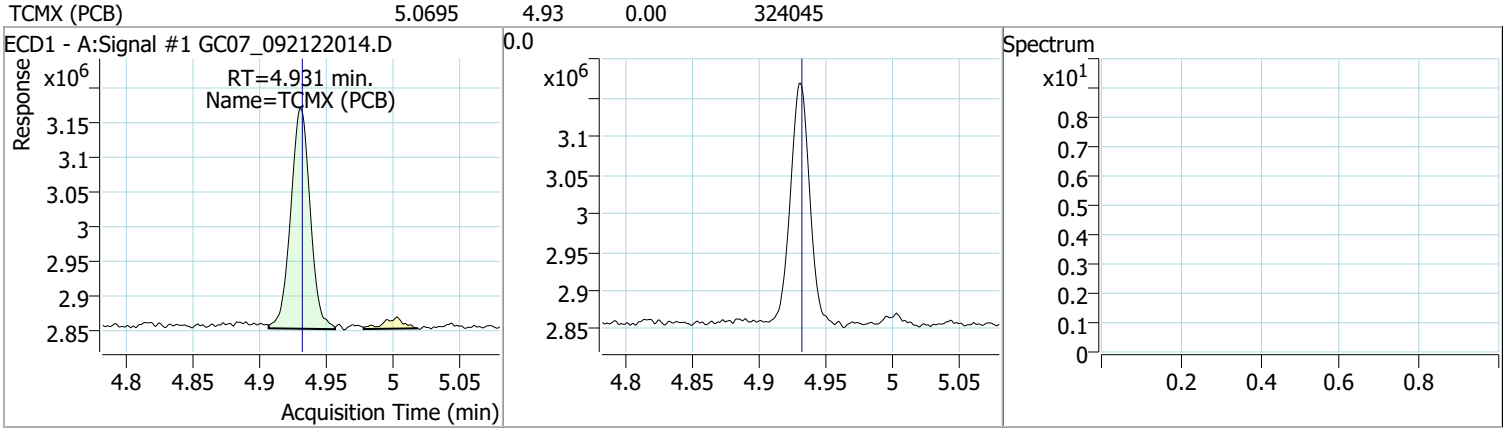


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.164	0.0	1456924.600	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.423	0.0	1373908.877	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.931	0.0	324045.326	5.0695	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 25.35%		*	
S TCMX (PCB) #2	5.354	0.0	258854.636	4.1128	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.56%		*	
S Decachlorobiphenyl (PCB)	12.286	0.0	374349.524	5.4026	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 27.01%		*	
S Decachlorobiphenyl (PCB) #2	13.782	0.0	554453.052	7.4797	ng/ml		-0.013
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 37.40%		*	
Target Compounds							**QValue**
T AR1016 1	5.263	0.0	3043.314	2.2457	ng/ml		100
T AR1016 2	5.615	0.0	2021.335	0.7033	ng/ml		100
T AR1016 1 #2	5.883	0.0	11234.288	7.8197	ng/ml		100

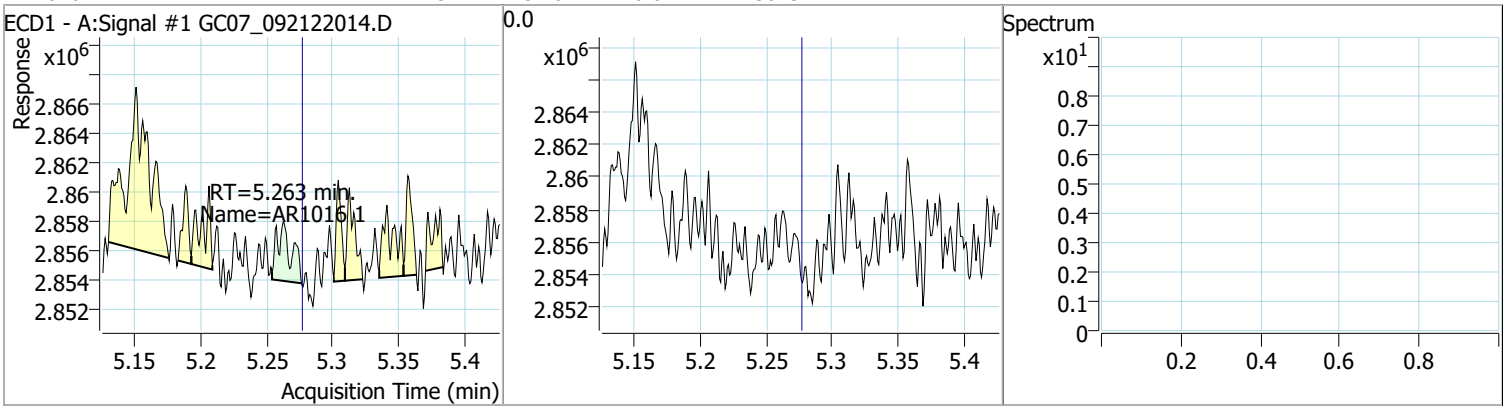
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 3	6.064	0.0	3257.611	0.9422	ng/ml	100
T AR1016 4	6.191	0.0	90661.756	35.6979	ng/ml	100
T AR1016 2 #2	6.273	0.0	2741.633	0.9026	ng/ml	100
T AR1016 5	6.652	0.0	964.138	0.4624	ng/ml	100
T AR1016 3 #2	6.829	0.0	11834.491	3.2989	ng/ml	100
T AR1016 4 #2	7.005	0.0	258.980	0.0992	ng/ml	100
T AR1016 5 #2	7.734	0.0	3094.486	1.4172	ng/ml	100
T AR1260 1	8.525	0.0	11648.728	2.9486	ng/ml	100
T AR1260 2	9.085	0.0	2851.693	0.4937	ng/ml	100
T AR1260 3	9.523	0.0	144828.365	23.7965	ng/ml	100
T AR1260 1 #2	10.188	0.0	168246.266	39.3713	ng/ml	100
T AR1260 4	10.304	0.0	2227396.379	663.7912	ng/ml	100
T AR1260 2 #2	10.608	0.0	1866960.946	411.1671	ng/ml	100
T AR1260 3 #2	11.112	0.0	6962.847	1.2014	ng/ml	100
T AR1260 5	0.000		0	N.D.		
T AR1260 4 #2	11.435	0.0	93909.104	25.7652	ng/ml	100
T AR1260 5 #2	12.078	0.0	110122.992	19.8849	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

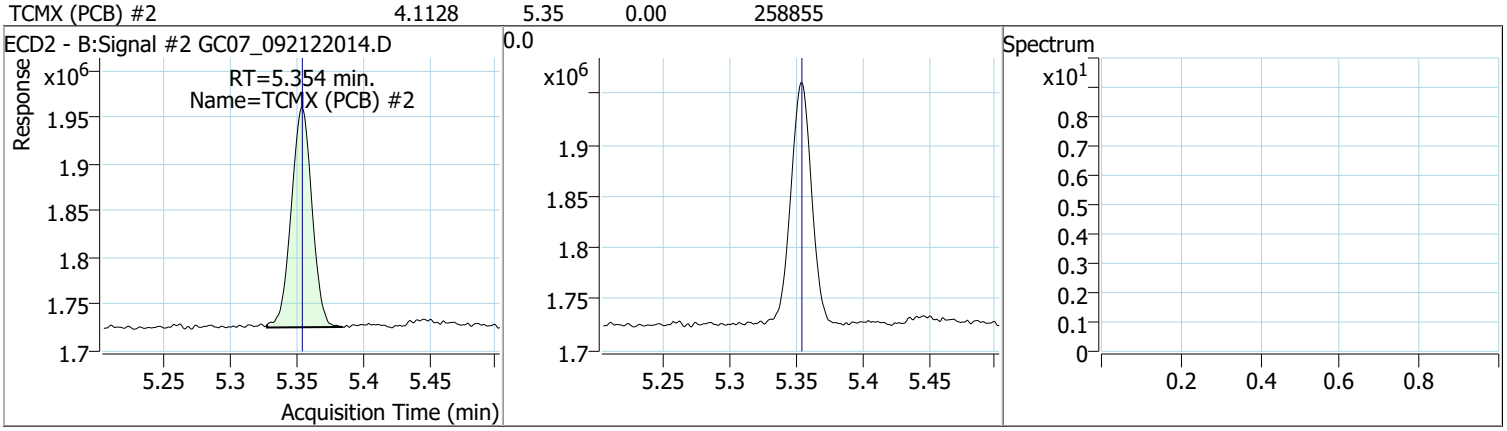
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	5.0695	4.93	0.00	324045				



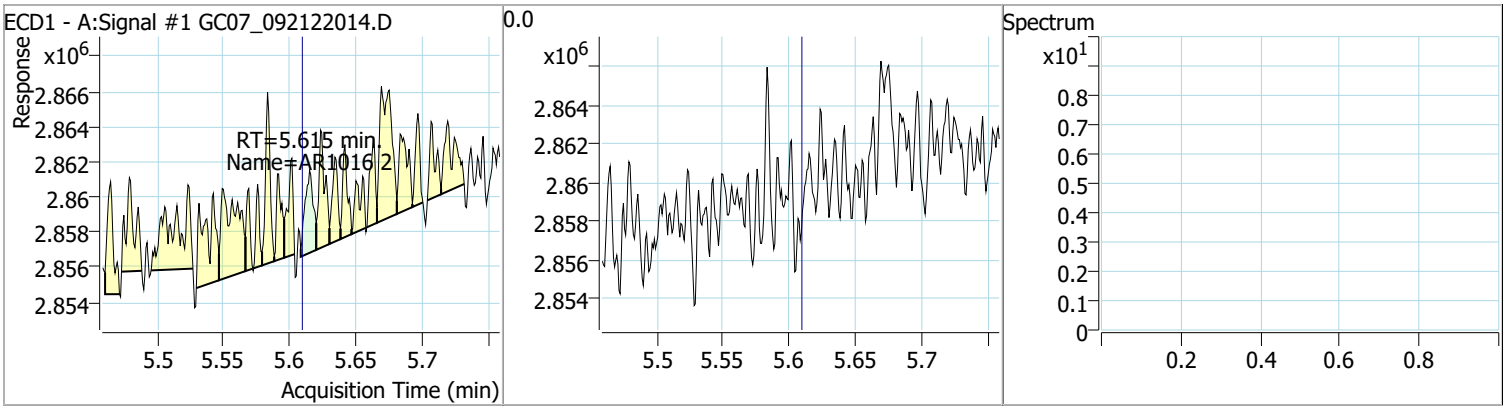
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	2.2457	5.26	-0.01	3043				



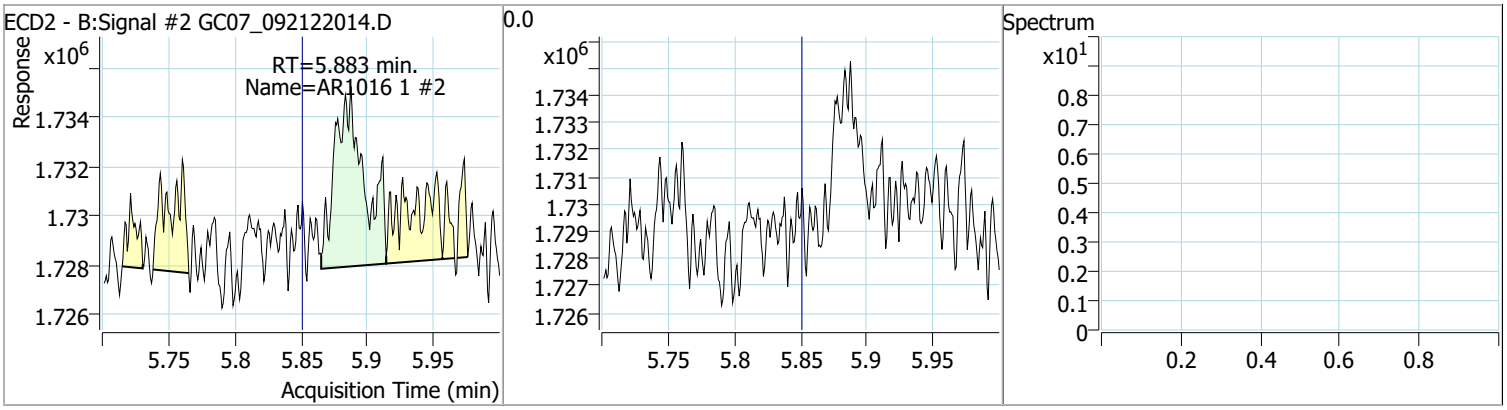
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.1128	5.35	0.00	258855				



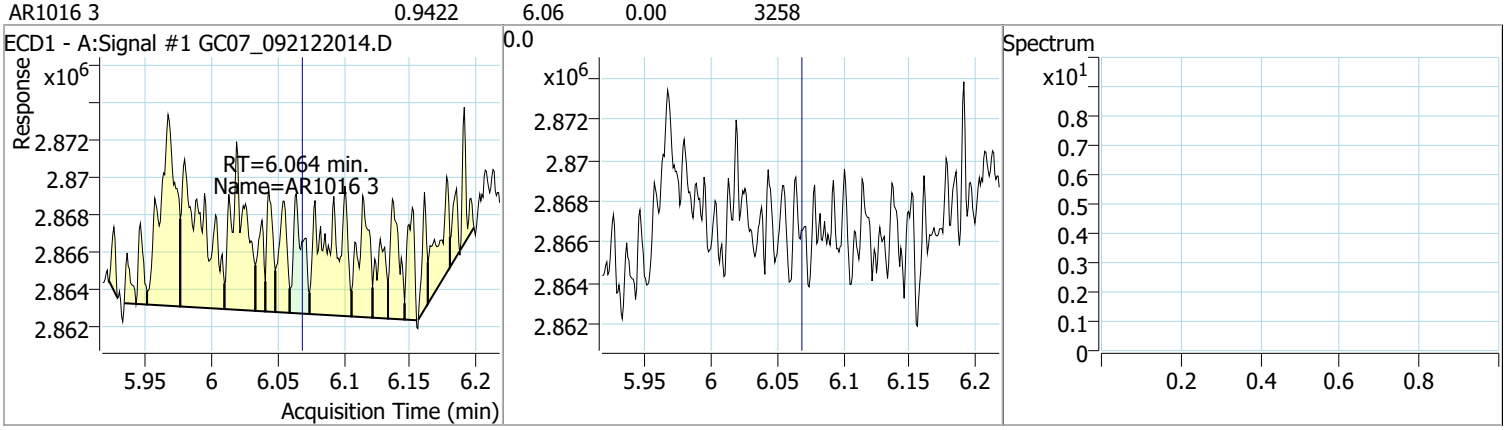
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.7033	5.62	0.01	2021				



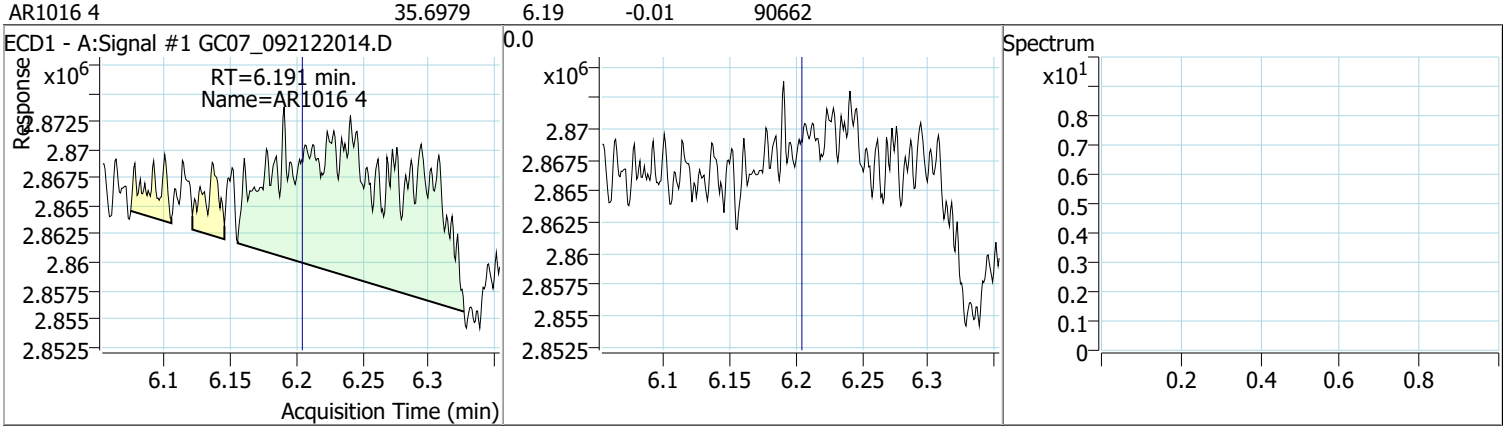
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	7.8197	5.88	0.03	11234				



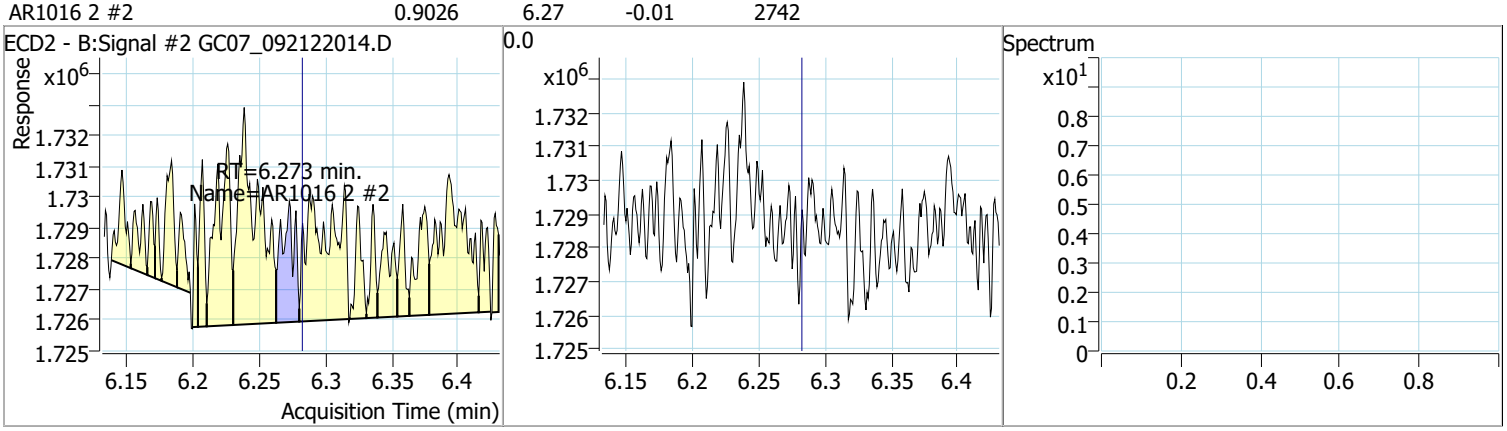
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	0.9422	6.06	0.00	3258				



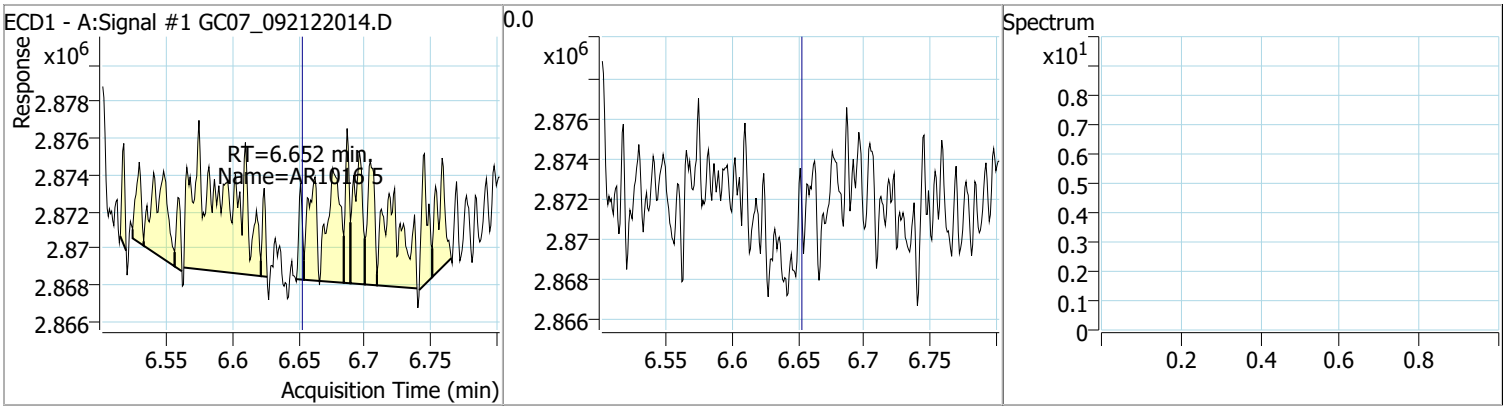
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	35.6979	6.19	-0.01	90662				



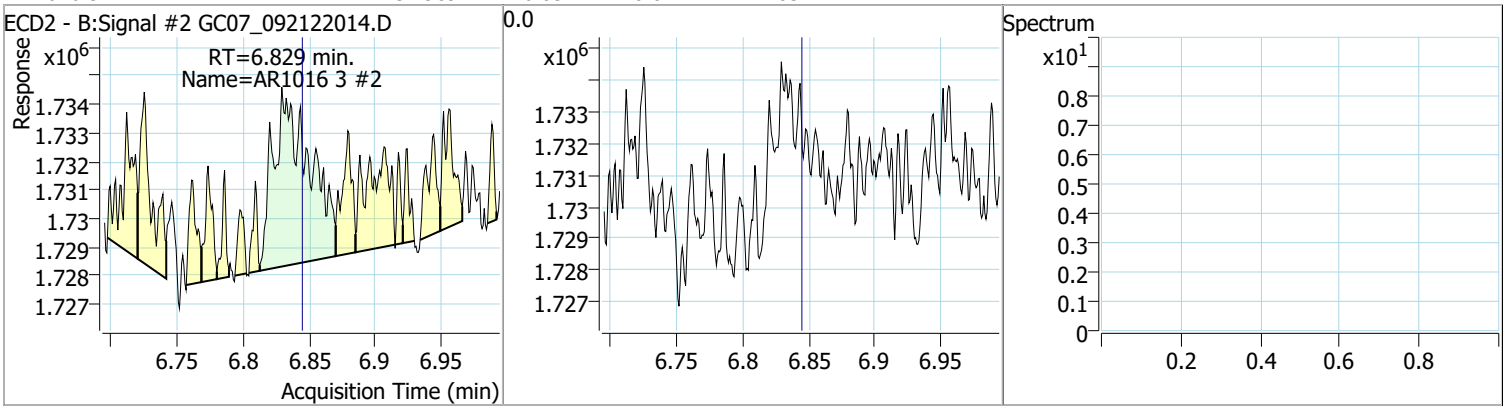
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	0.9026	6.27	-0.01	2742				



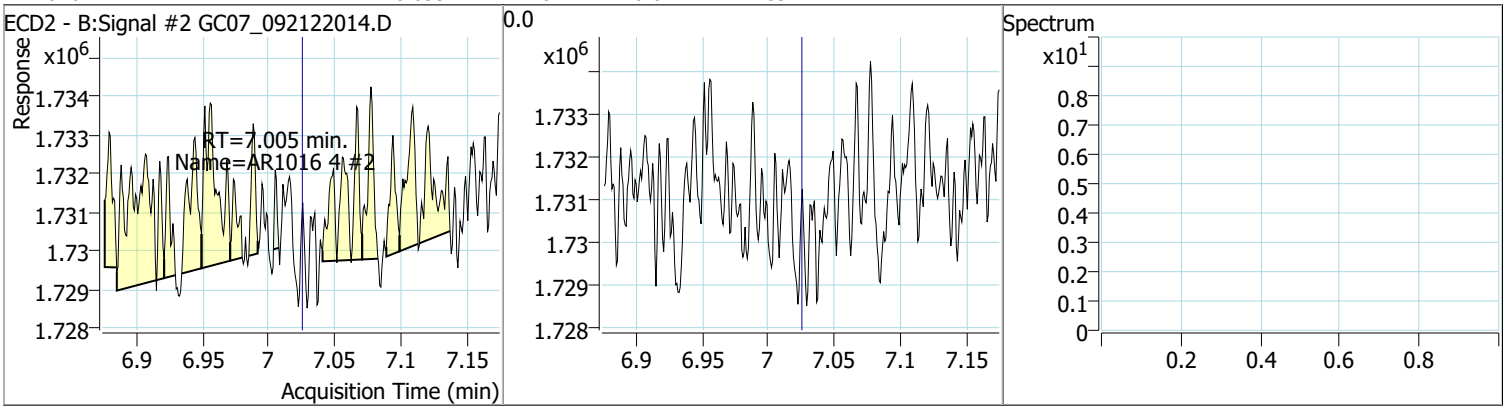
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	0.4624	6.65	0.00	964				



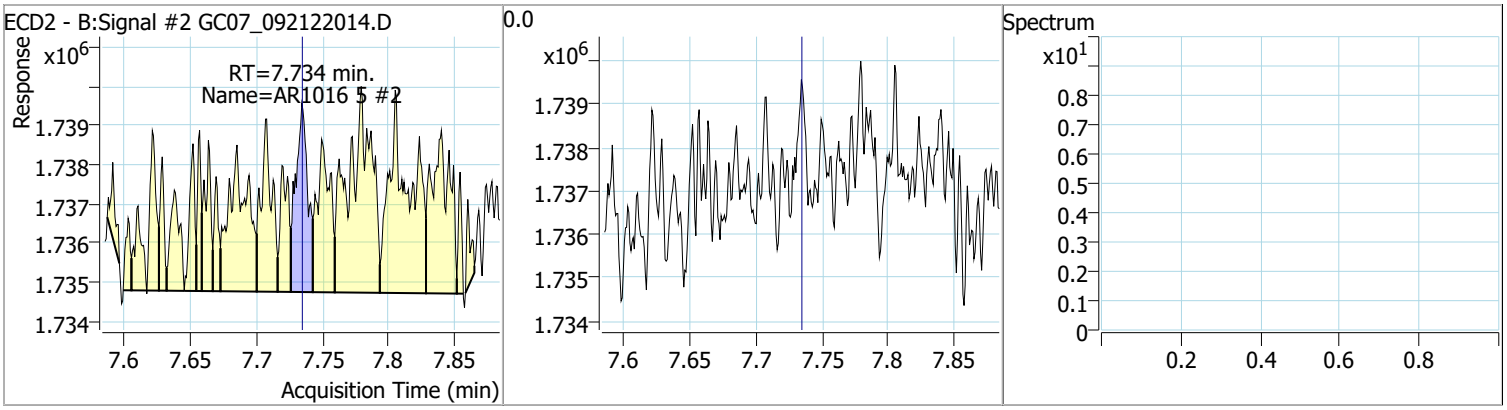
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	3.2989	6.83	-0.02	11834				



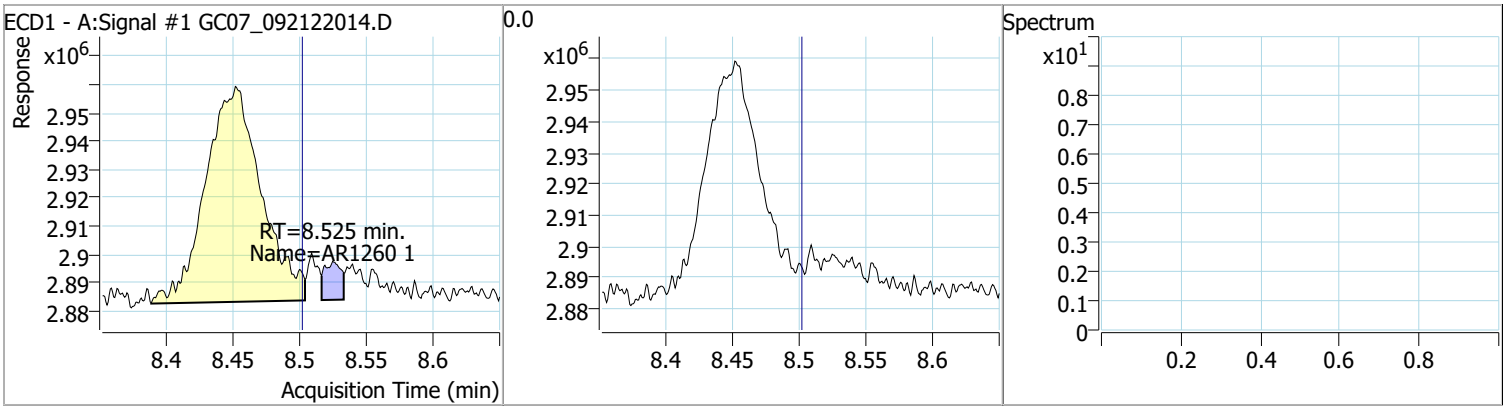
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.0992	7.01	-0.02	259				



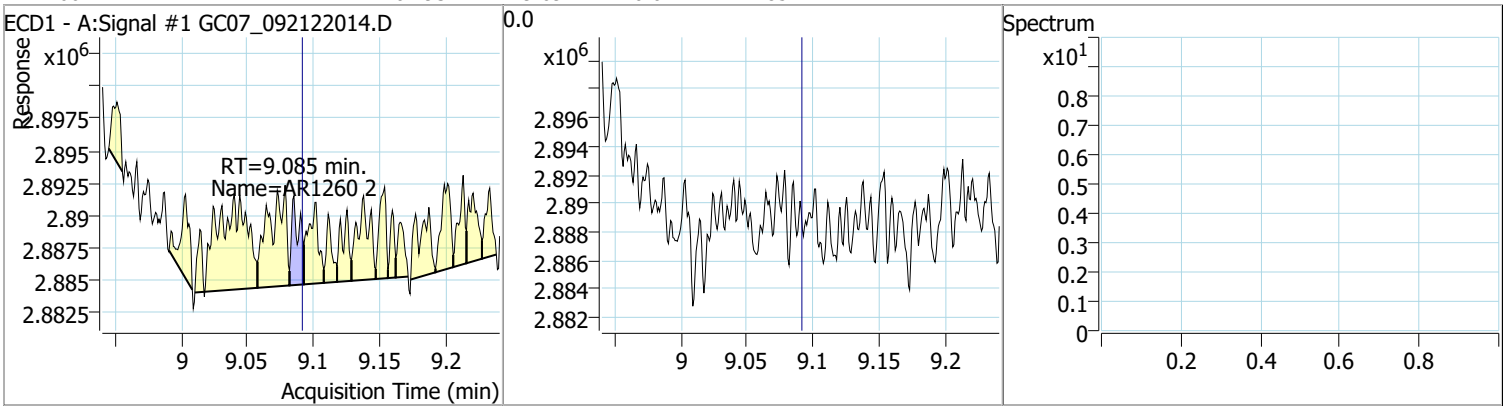
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.4172	7.73	0.00	3094				



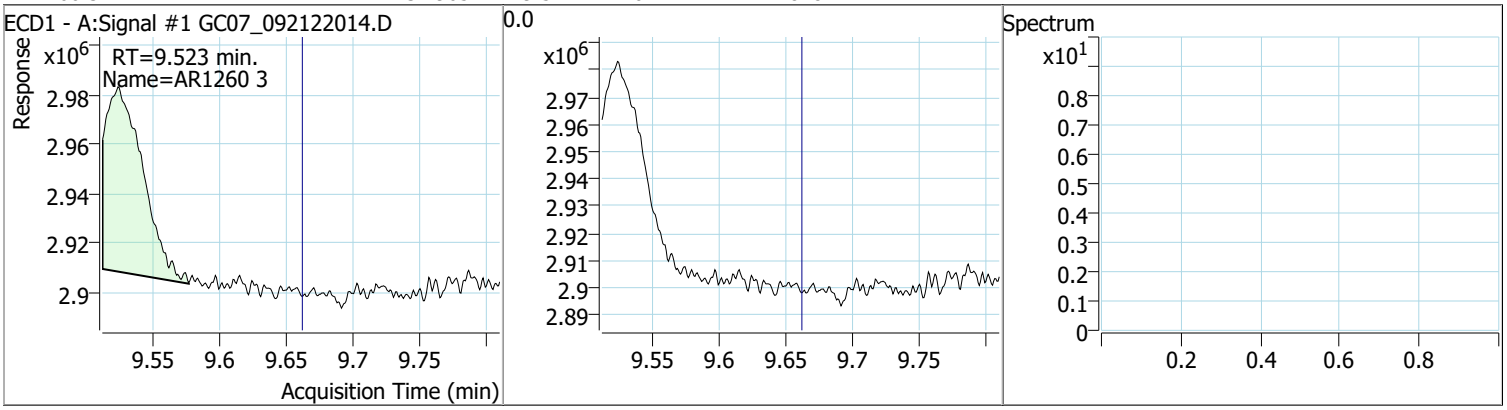
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	2.9486	8.53	0.02	11649				



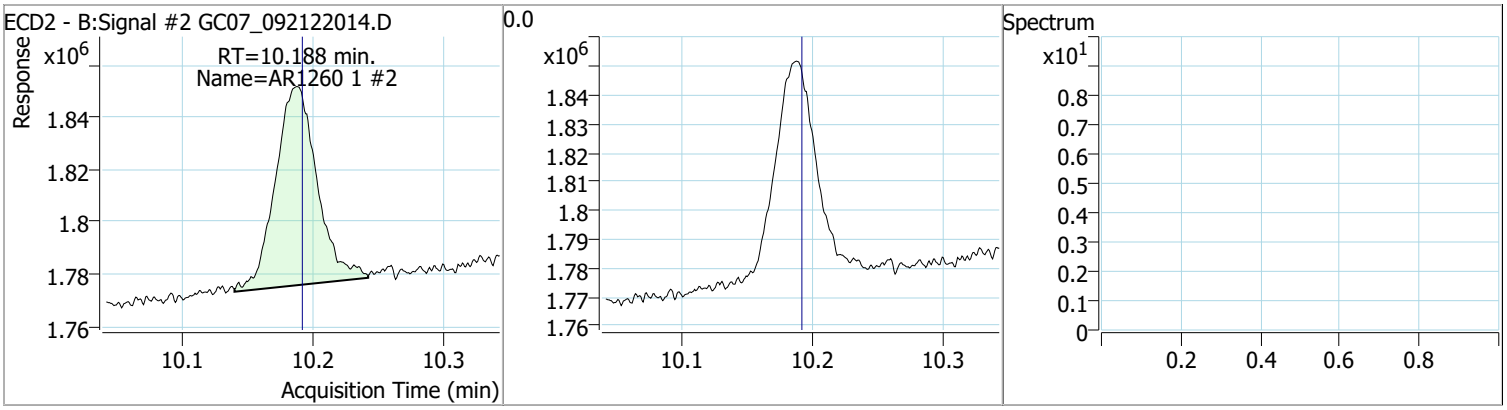
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.4937	9.09	-0.01	2852				



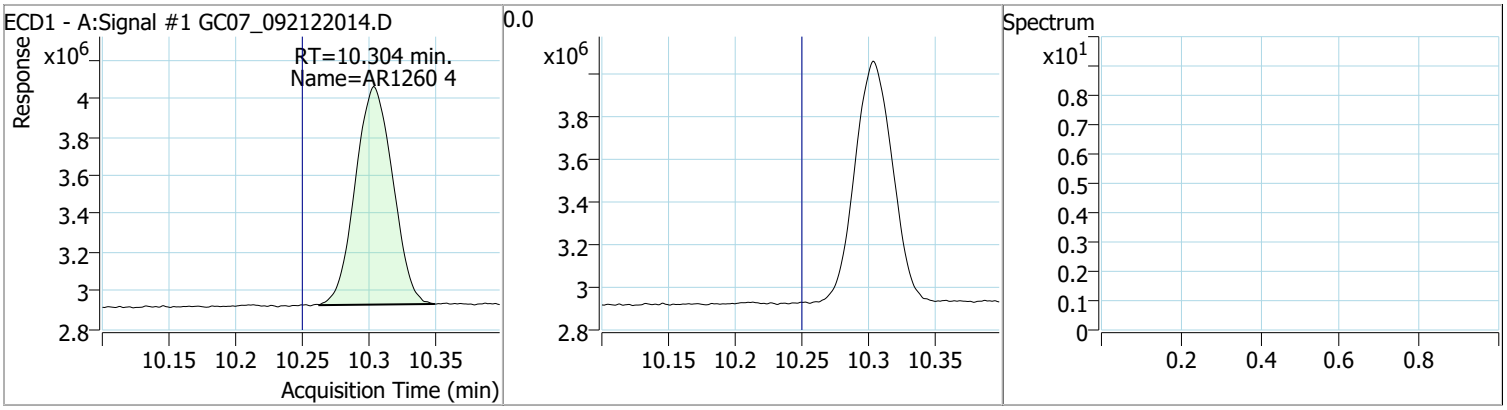
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	23.7965	9.52	-0.14	144828				



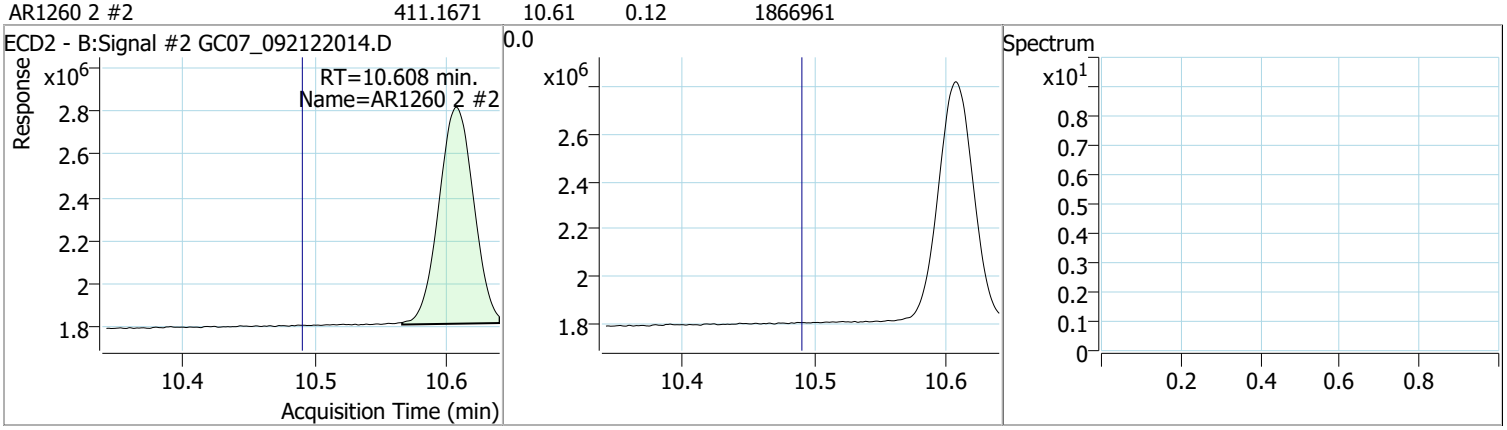
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	39.3713	10.19	-0.01	168246				



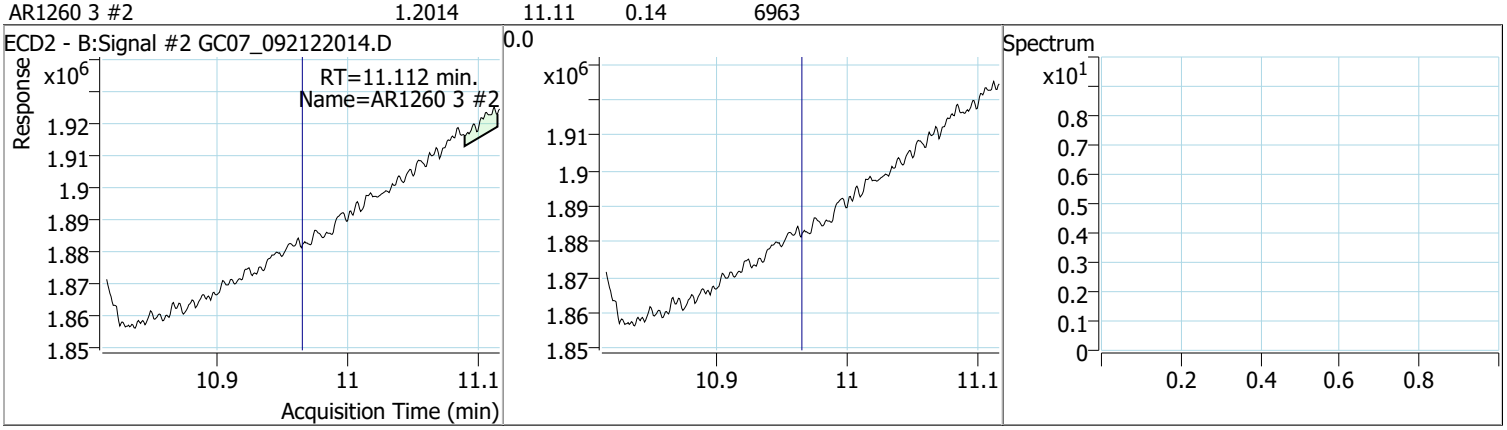
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	663.7912	10.30	0.05	2227396				



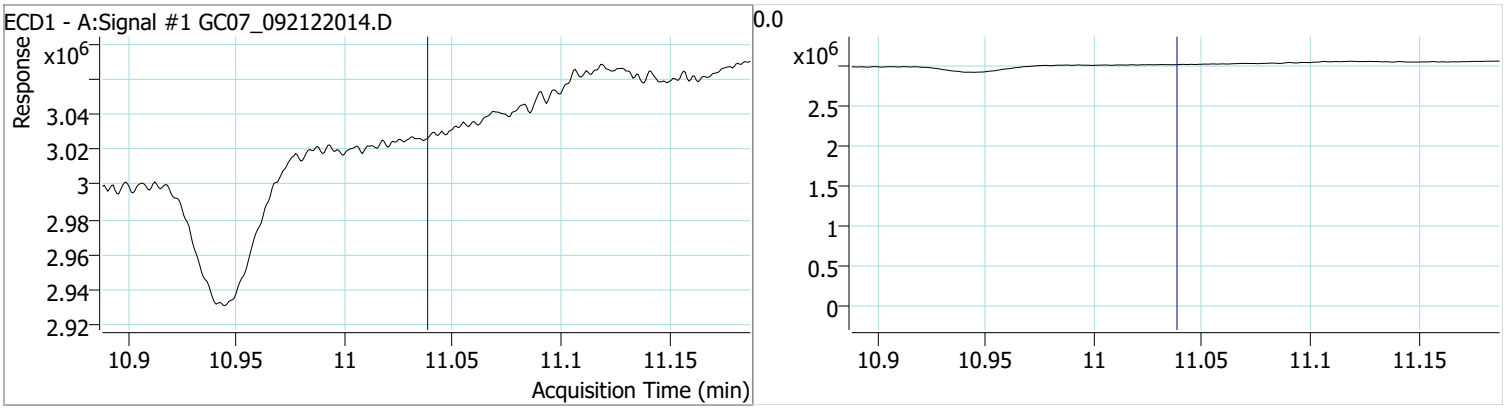
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	411.1671	10.61	0.12	1866961				



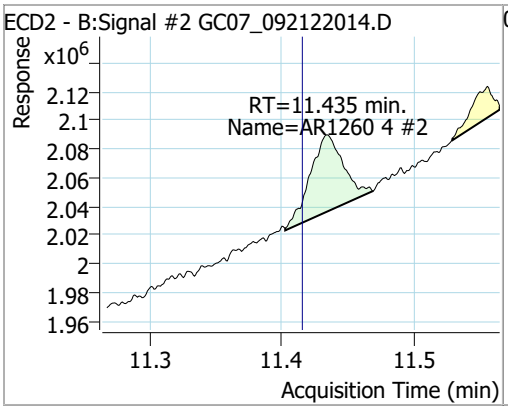
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1.2014	11.11	0.14	6963				

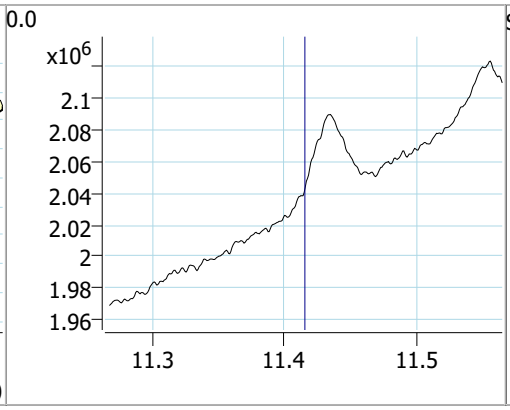


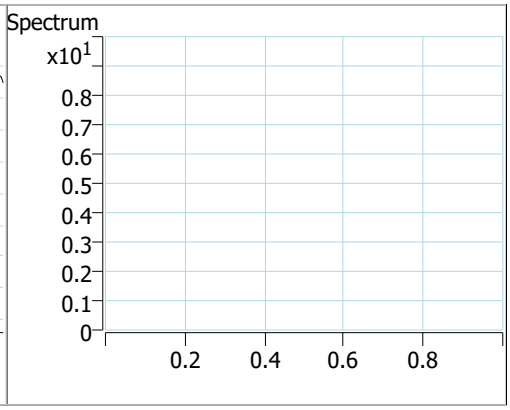
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 5	N.D.	11.04		



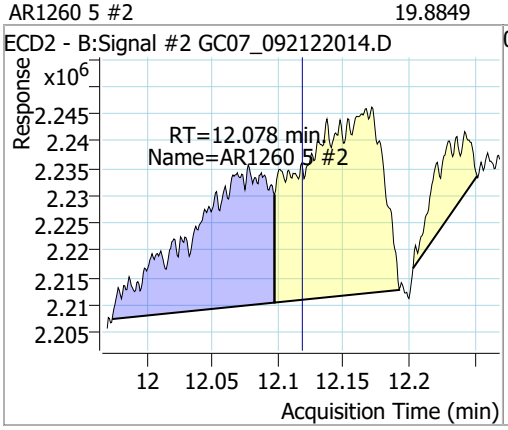
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	25.7652	11.44	0.02	93909				

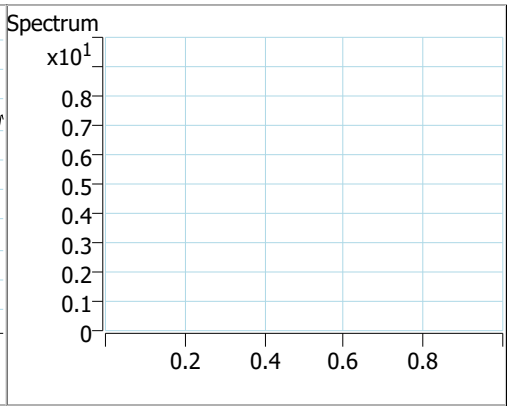




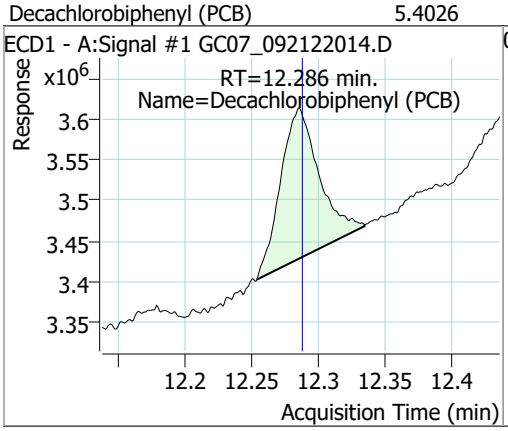


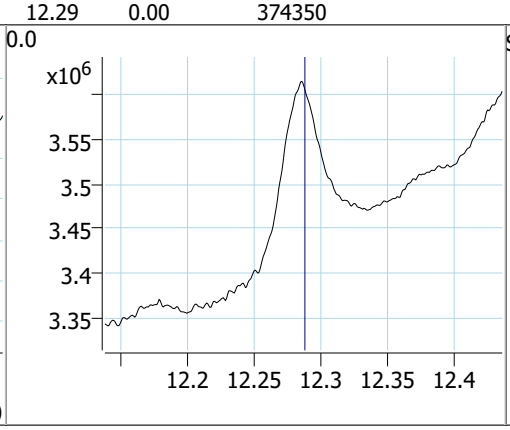
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	19.8849	12.08	-0.04	110123				

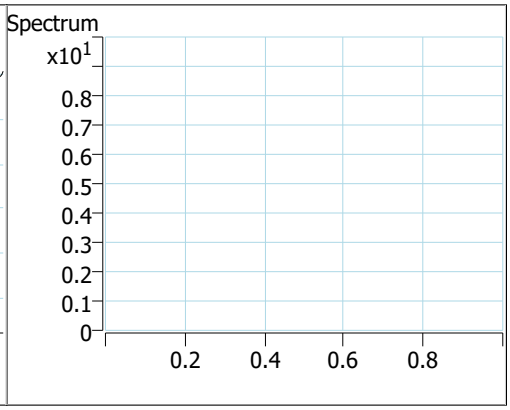




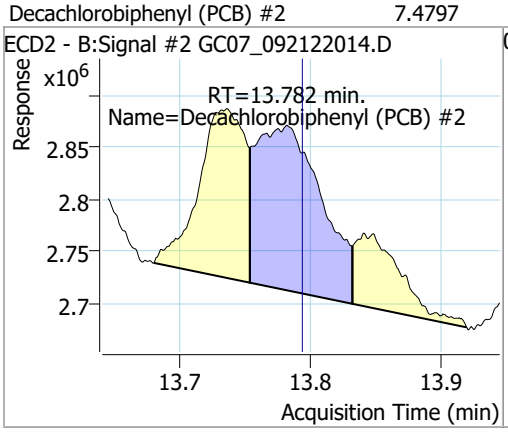
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	5.4026	12.29	0.00	374350				

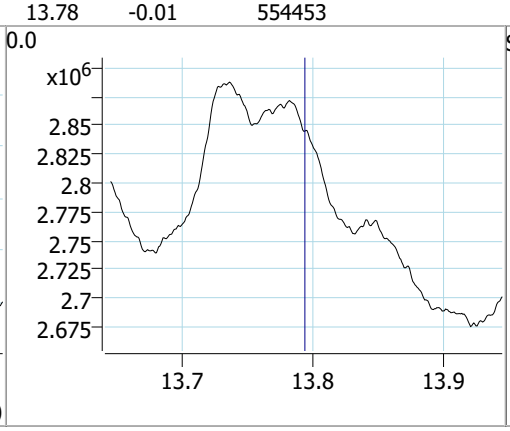


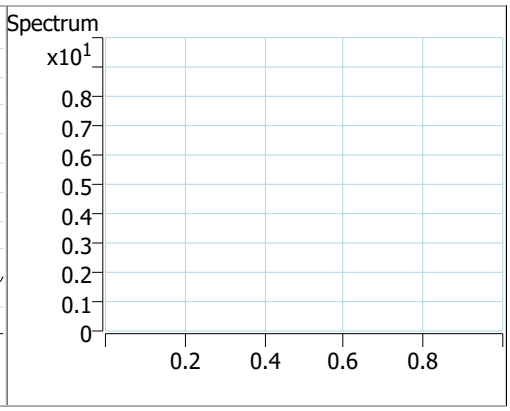




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	7.4797	13.78	-0.01	554453				



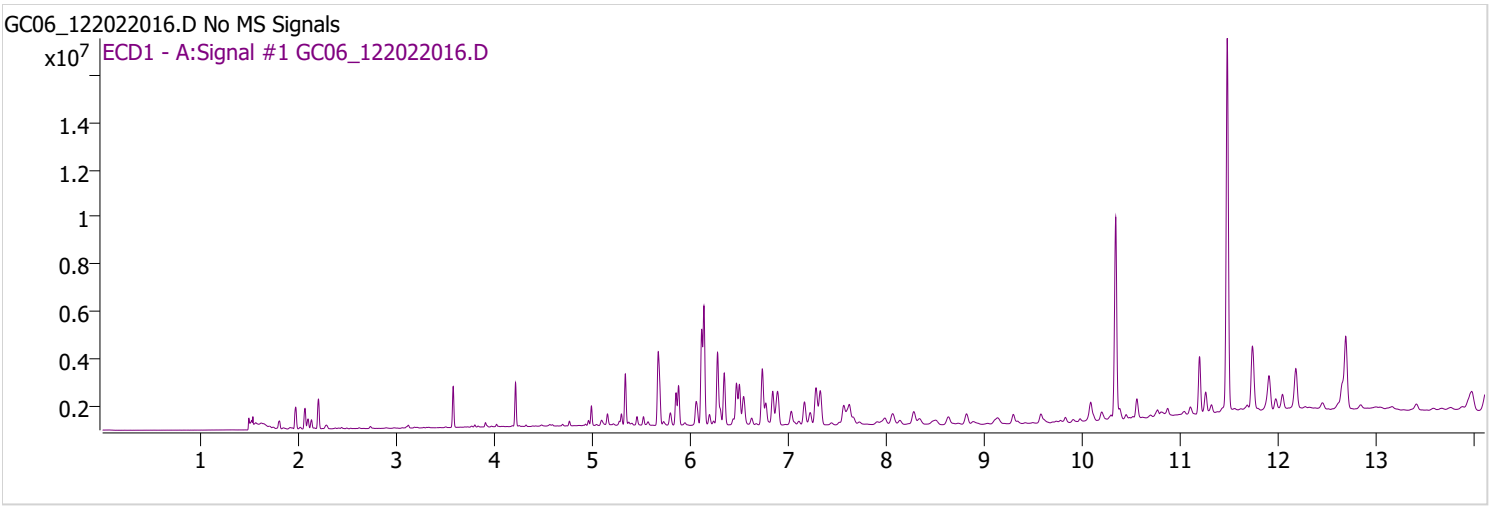


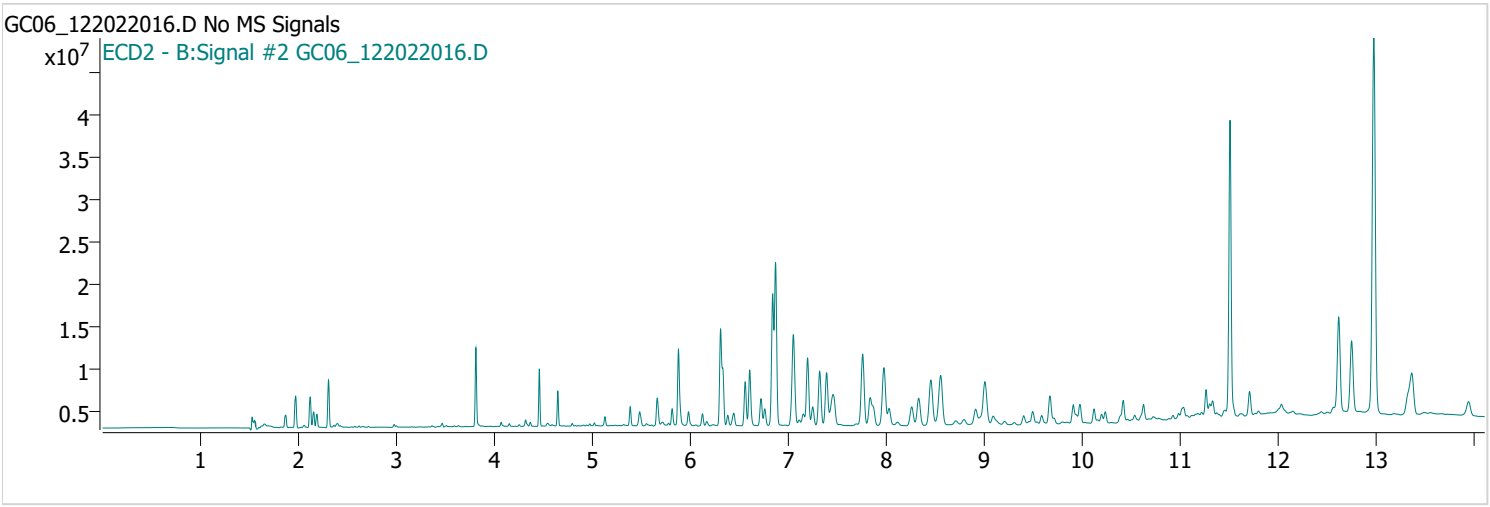


The following demonstrates co-eluting peaks (i.e., peaks that are not gaussian and thus indicative of more than one compound contributing to the area measured).

Quantitation Results Report (Not Reviewed)

Data File	GC06_122022016.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/20/2022 2:56:02 PM
Sample Name	475314-001, 303530, 5	Instrument	SVOA-GC06
Vial	5	Multiplier	1.00
DA Method File	PCB_AR1242_122022_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	122022AR1242.batch.bin	Last Calib Update	12/21/2022 3:46:15 PM
Ref Library			



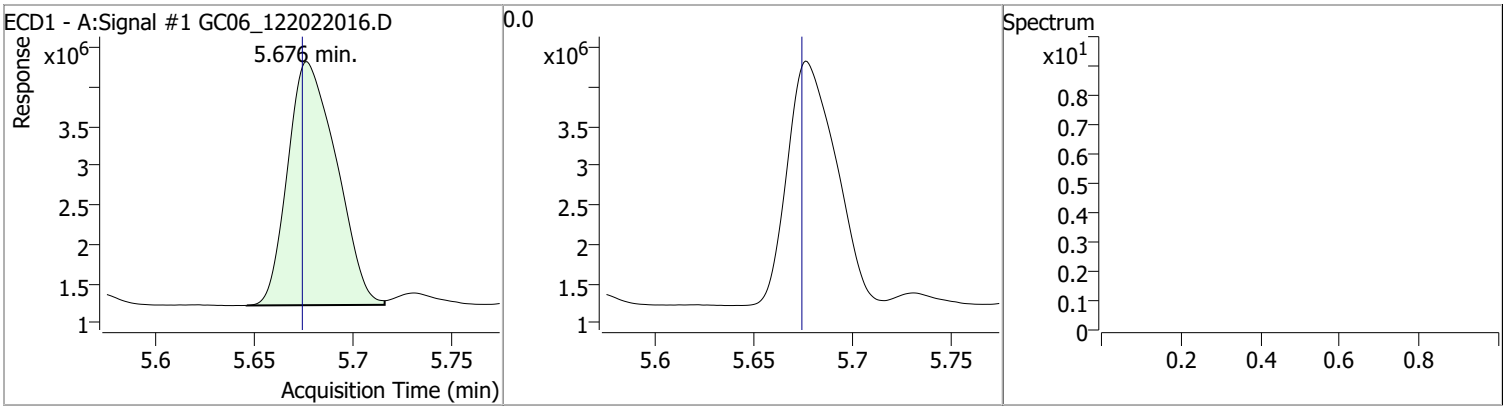


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (1242)	4.218	0.0	1887586.488	20.0000	ng/ml	-0.003
M 1-bromo-2-nitrobenzene (1242) #2	4.461	0.0	5914836.454	20.0000	ng/ml	-0.002
System Monitoring Compounds						
Target Compounds						**QValue**
T AR1242 1	5.676	0.0	5326738.668	1732.9615	ng/ml	100
T Aroclor-1242	6.263	0.0	4664720.146	1740.5446	ng/ml	
T AR1242 2	6.143	0.0	6653912.551	1782.9799	ng/ml	100
T AR1242 3	6.282	0.0	4958491.778	1758.7365	ng/ml	100
T AR1242 1 #2	6.313	0.0	24015204.857	2494.7123	ng/ml	100
T AR1242 4	6.475	0.0	2618040.632	1730.1384	ng/ml	100

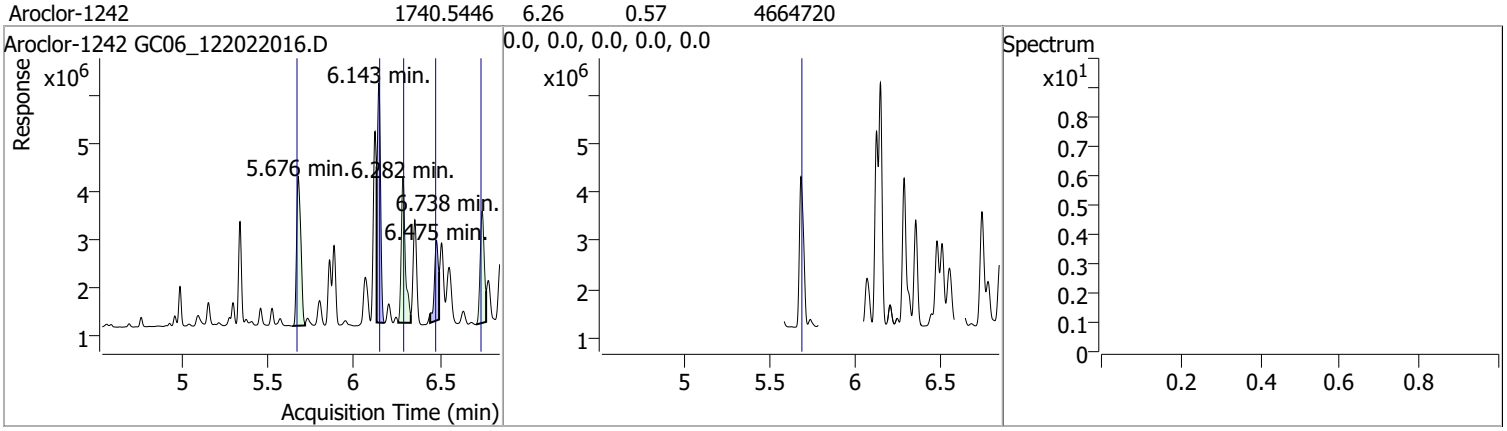
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1242 5	6.738	0.0	3766417.101	1665.1233	ng/ml	100
T Aroclor-1242 #2	7.042	0.0	21268747.305	2481.7055	ng/ml	
T AR1242 2 #2	6.874	0.0	30531373.891	2510.4423	ng/ml	100
T AR1242 3 #2	7.056	0.0	20981396.715	2423.0808	ng/ml	100
T AR1242 4 #2	7.201	0.0	13592041.435	2461.9047	ng/ml	100
T AR1242 5 #2	7.764	0.0	17223719.627	2502.3727	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

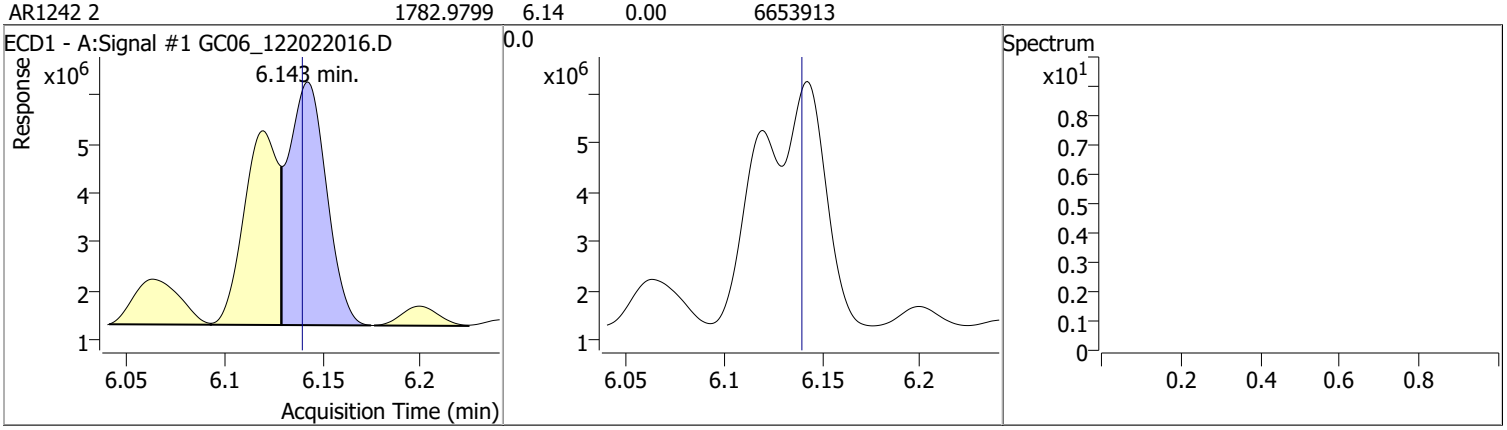
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1242 1	1732.9615	5.68	0.00	5326739				



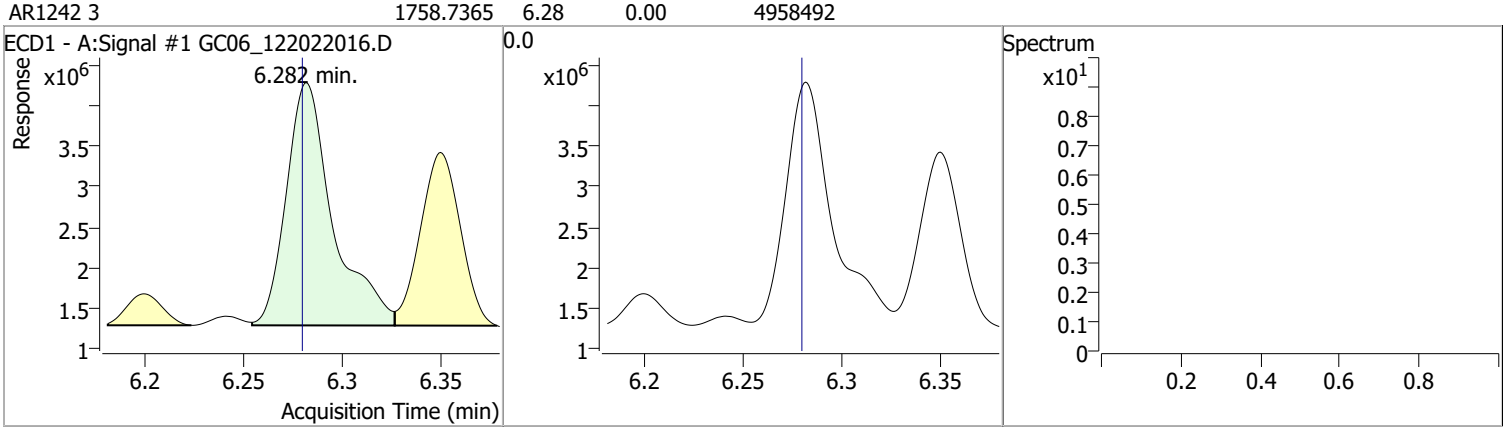
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1242	1740.5446	6.26	0.57	4664720				



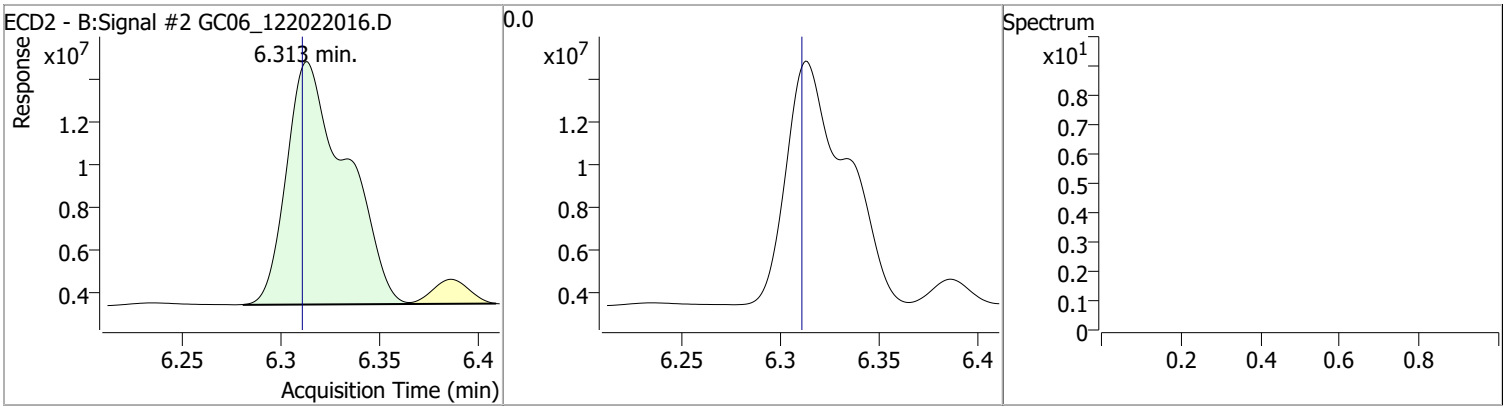
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1242 2	1782.9799	6.14	0.00	6653913				



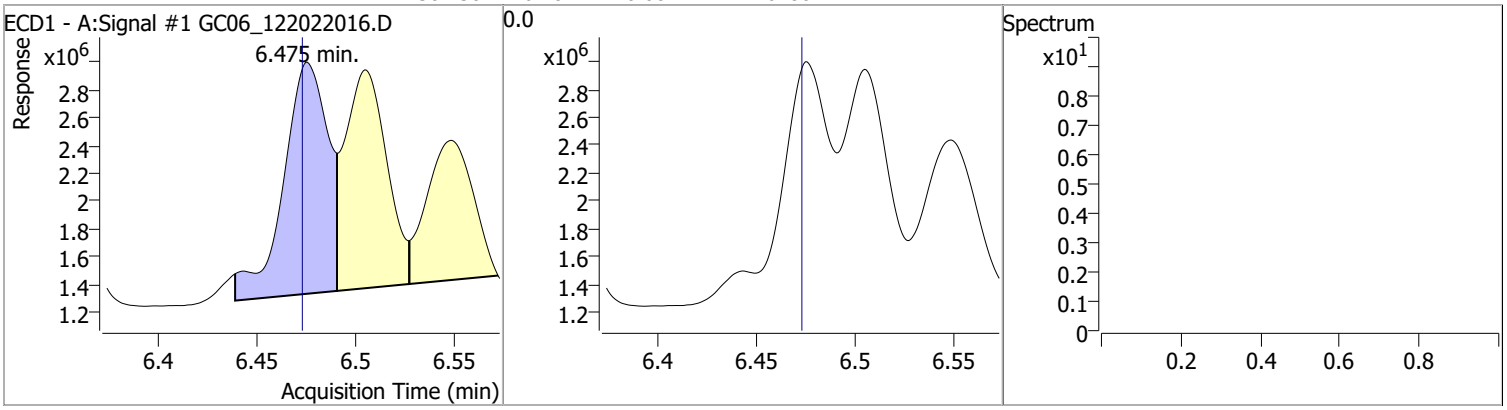
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1242 3	1758.7365	6.28	0.00	4958492				



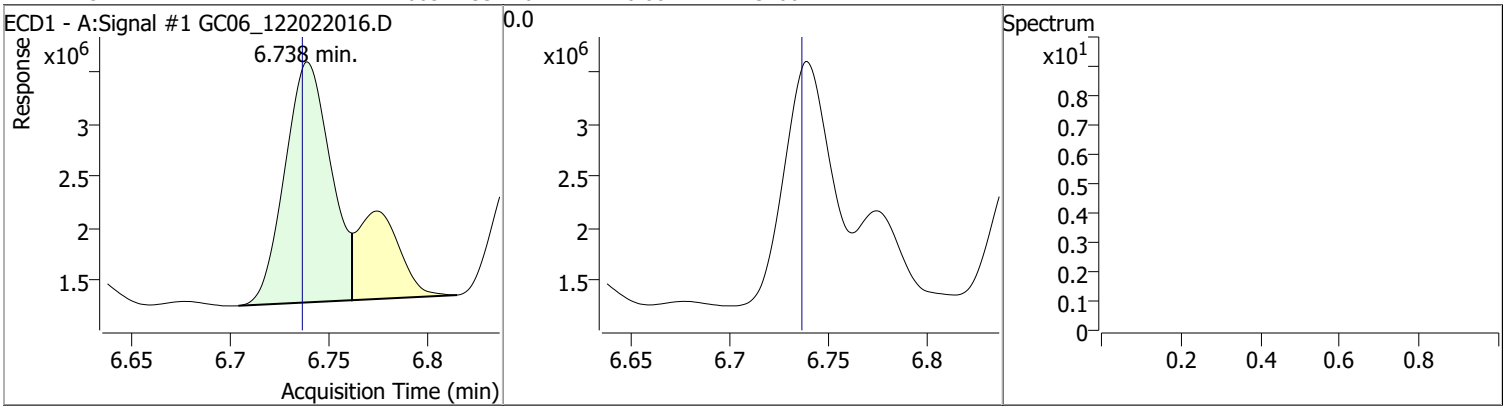
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1242 1 #2	2494.7123	6.31	0.00	24015205				



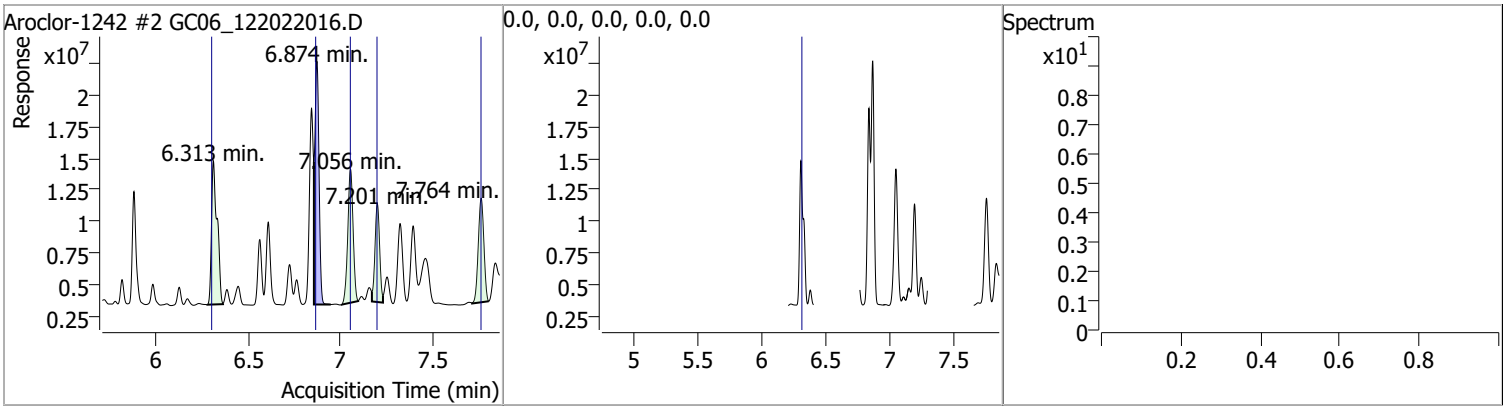
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1242 4	1730.1384	6.48	0.00	2618041				



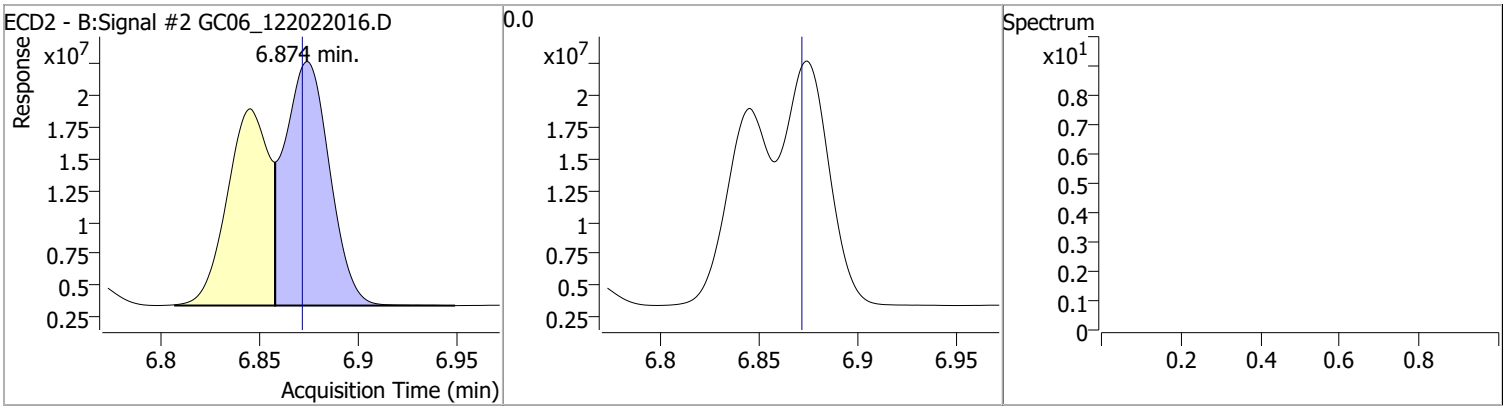
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1242 5	1665.1233	6.74	0.00	3766417				



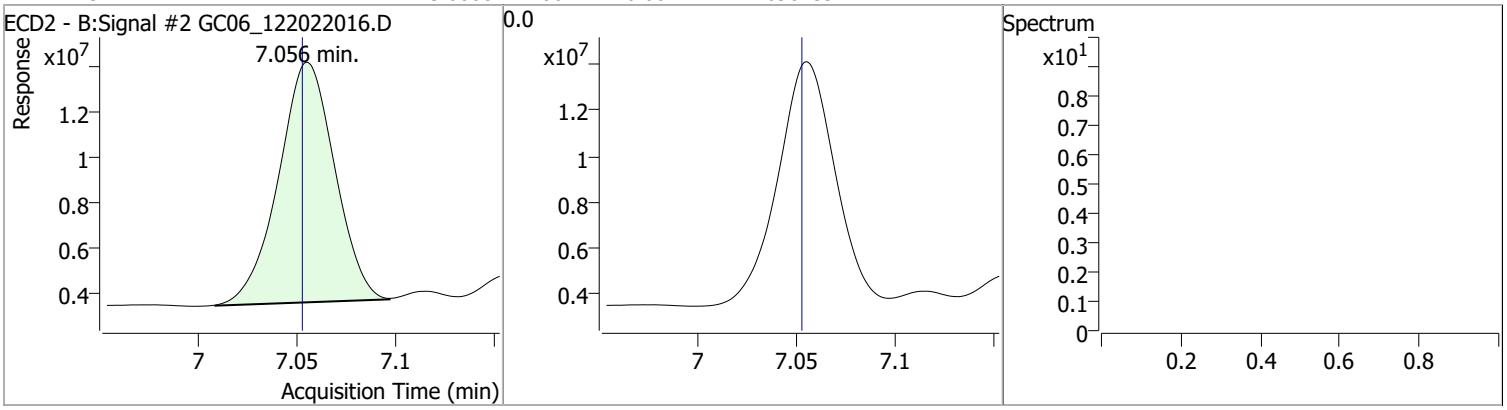
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1242 #2	2481.7055	7.04	0.25	21268747				



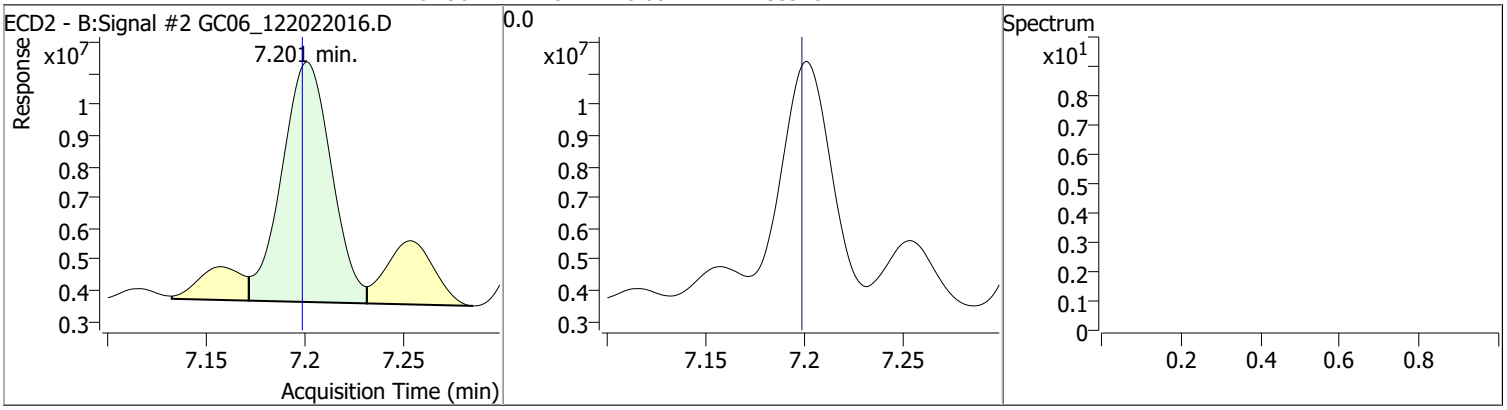
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1242 2 #2	2510.4423	6.87	0.00	30531374				



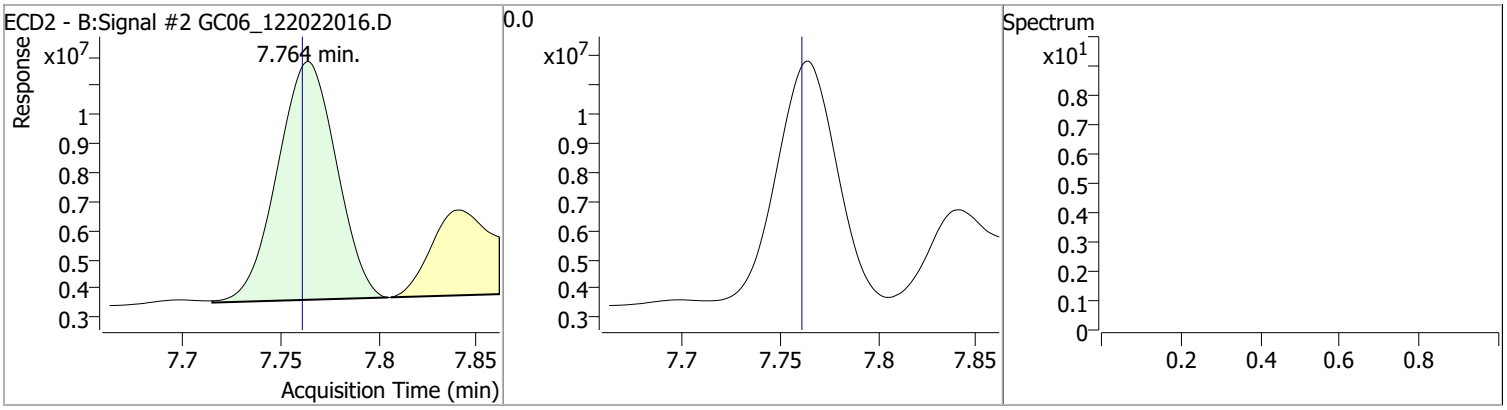
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1242 3 #2	2423.0808	7.06	0.00	20981397				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1242 4 #2	2461.9047	7.20	0.00	13592041				



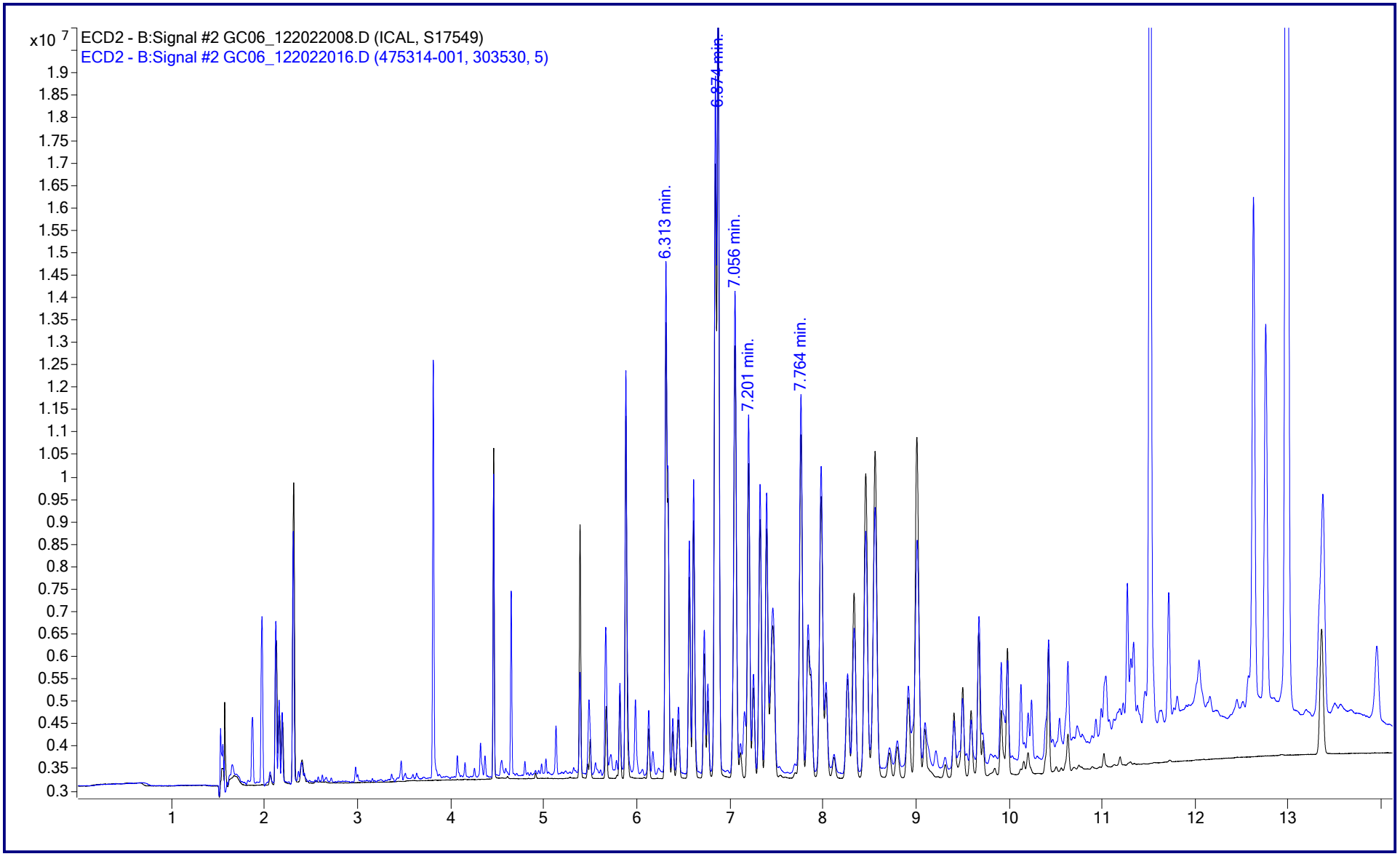
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1242 5 #2	2502.3727	7.76	0.00	17223720				



Chromatogram Information Window

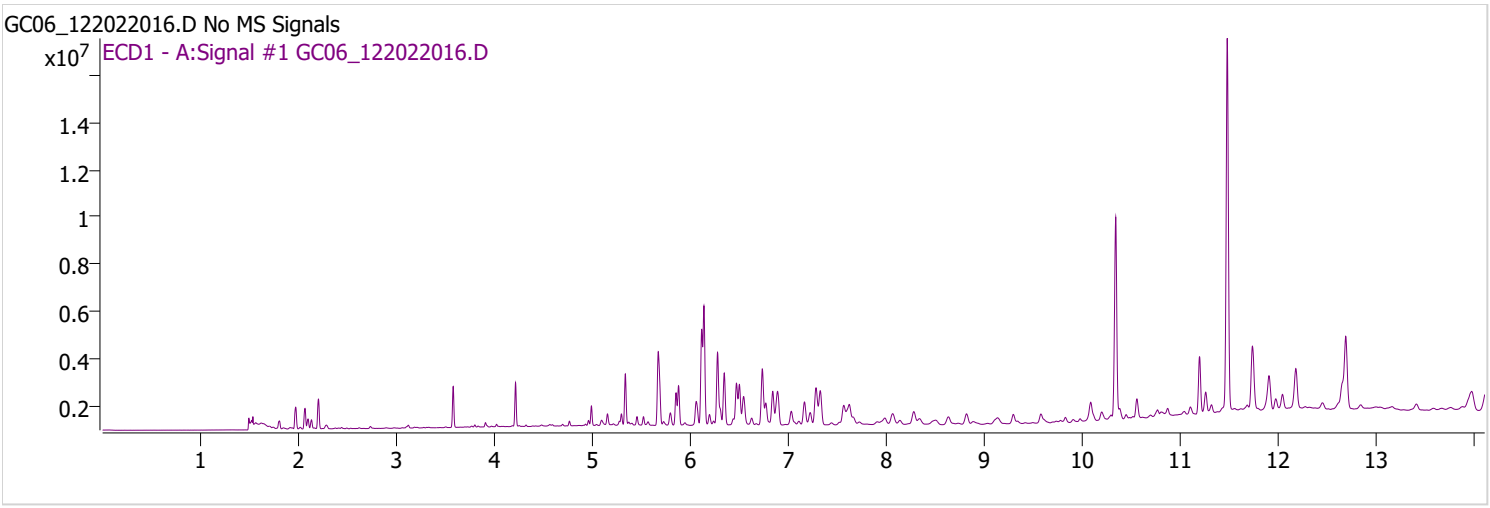
Agilent Technologies

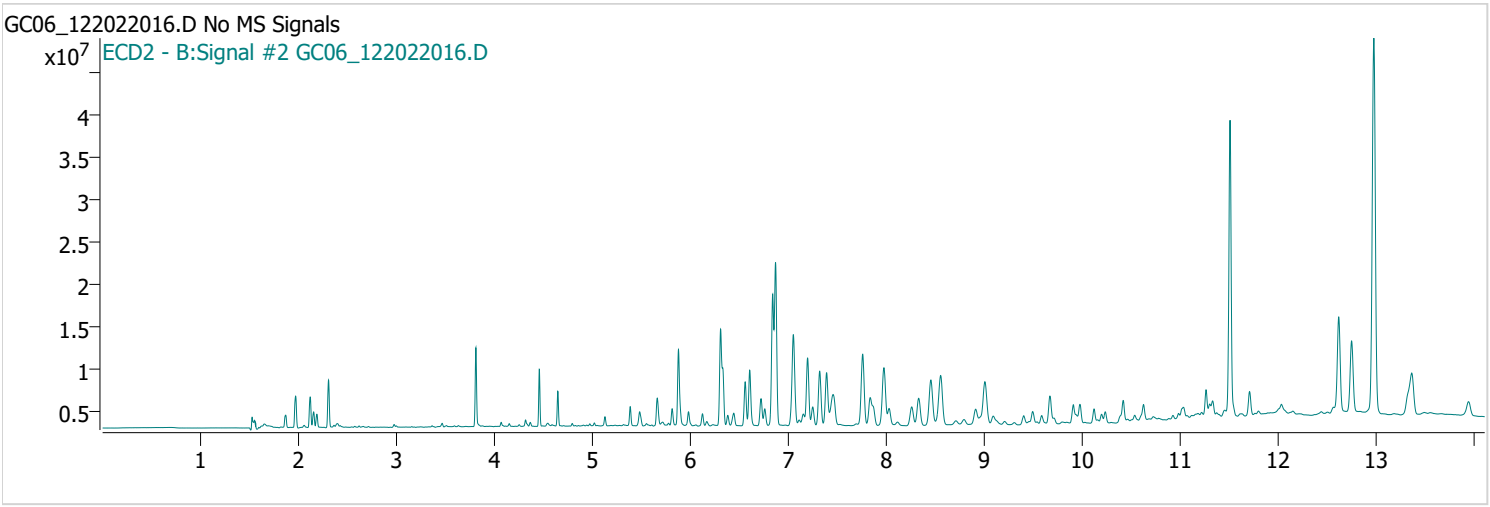
Data Path	C:\MassHunter\GCMS\1\data\GC06_122022
Data File	GC06_122022008.D
Acq Operator	MTS
Acq. Date-Time	12/20/2022 12:29 PM
Instrument Name	SVOA-GC06



Quantitation Results Report (Not Reviewed)

Data File	GC06_122022016.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/20/2022 2:56:02 PM
Sample Name	475314-001, 303530, 5	Instrument	SVOA-GC06
Vial	5	Multiplier	1.00
DA Method File	PCB_AR1254_122022_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	122022AR1254.batch.bin	Last Calib Update	12/21/2022 10:20:21 AM
Ref Library			



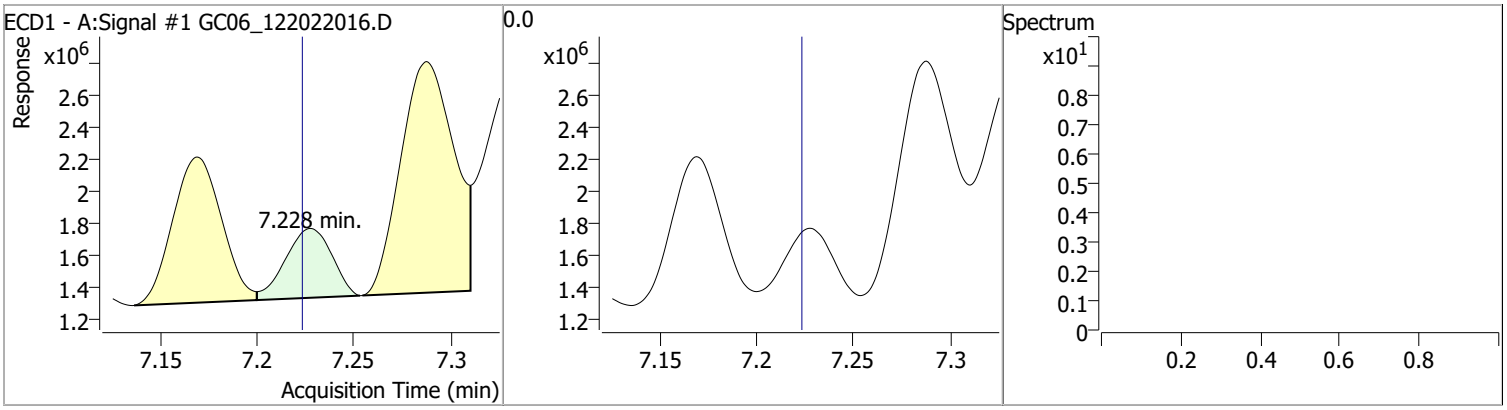


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (1254)	4.218	0.0	1887176.477	20.0000	ng/ml	-0.004
M 1-bromo-2-nitrobenzene (1254) #2	4.461	0.0	5914836.454	20.0000	ng/ml	-0.002
System Monitoring Compounds						
Target Compounds						**QValue**
T AR1254 1	7.228	0.0	723129.465	194.7655	ng/ml	100
T AR1254 2	7.571	0.0	1770964.283	248.7538	ng/ml	100
T Aroclor-1254	8.298	0.0	1116531.458	169.4436	ng/ml	
T AR1254 3	8.284	0.0	1266819.789	163.0040	ng/ml	100
T Aroclor-1254 #2	9.554	0.0	6253200.990	330.5808	ng/ml	
T AR1254 1 #2	8.560	0.0	14569245.589	996.0580	ng/ml	100
T AR1254 4	8.823	0.0	901305.435	148.7530	ng/ml	100

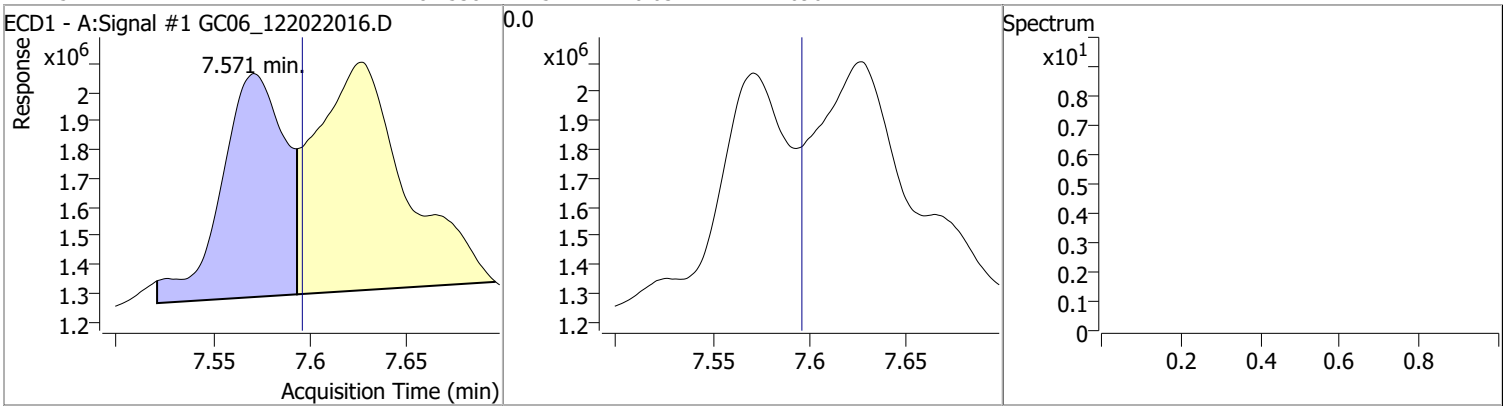
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1254 2 #2	8.918	0.0	2429898.216	138.8349	ng/ml	100
T AR1254 5	9.583	0.0	920438.316	111.1098	ng/ml	100
T AR1254 3 #2	9.676	0.0	7297799.441	305.1349	ng/ml	100
T AR1254 4 #2	9.983	0.0	3530766.997	206.9749	ng/ml	100
T AR1254 5 #2	10.633	0.0	3438294.706	160.1107	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

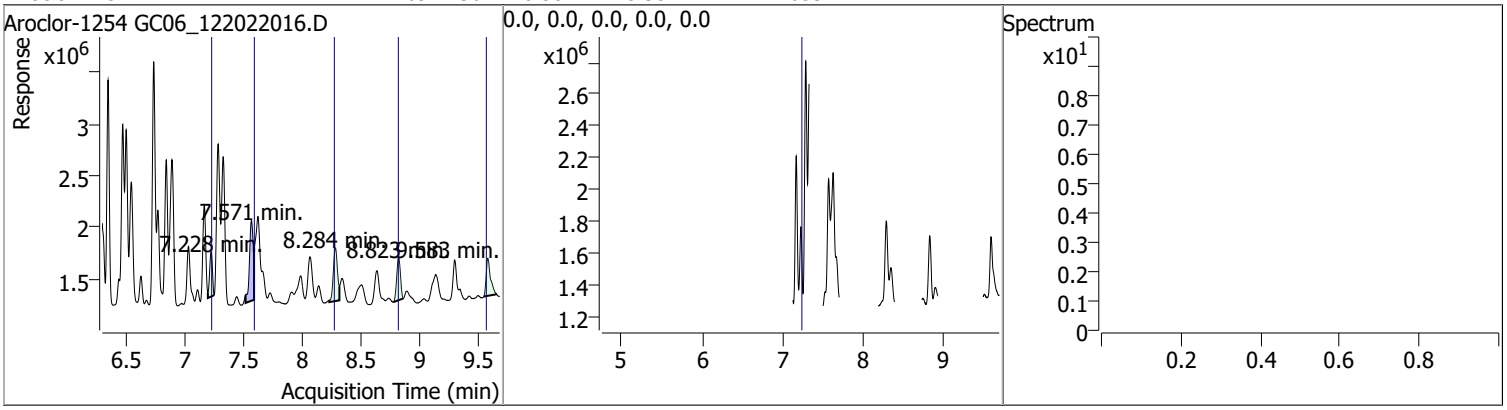
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1254 1	194.7655	7.23	0.00	723129				



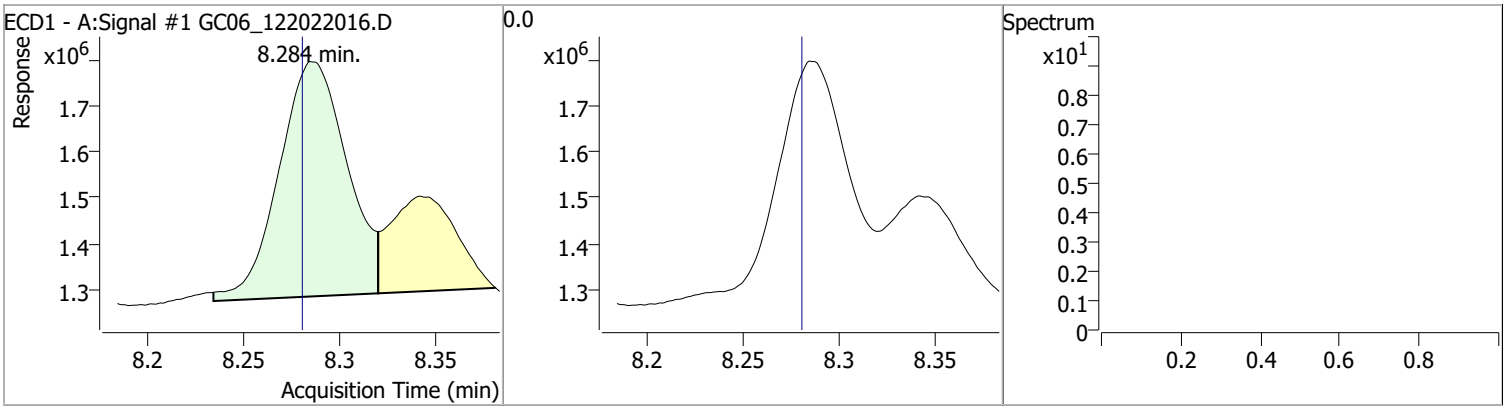
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1254 2	248.7538	7.57	-0.03	1770964				



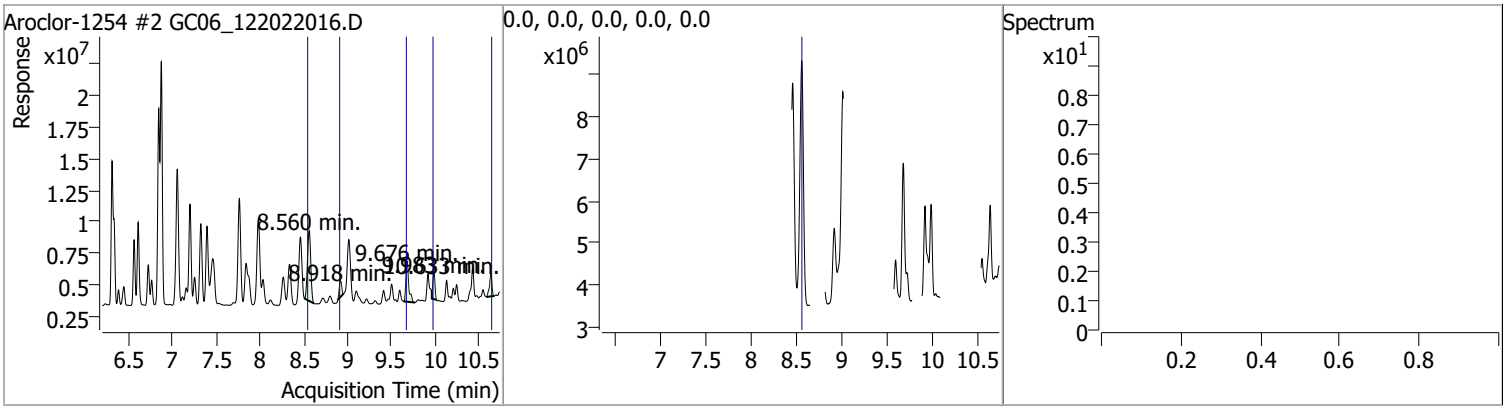
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1254	169.4436	8.30	0.30	1116531				



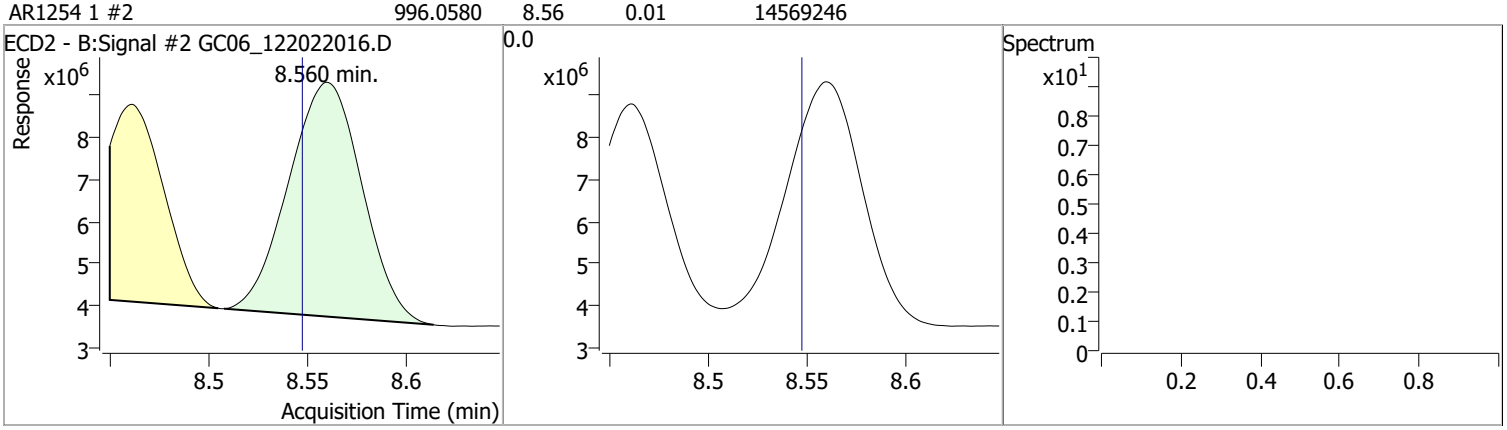
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1254 3	163.0040	8.28	0.00	1266820				



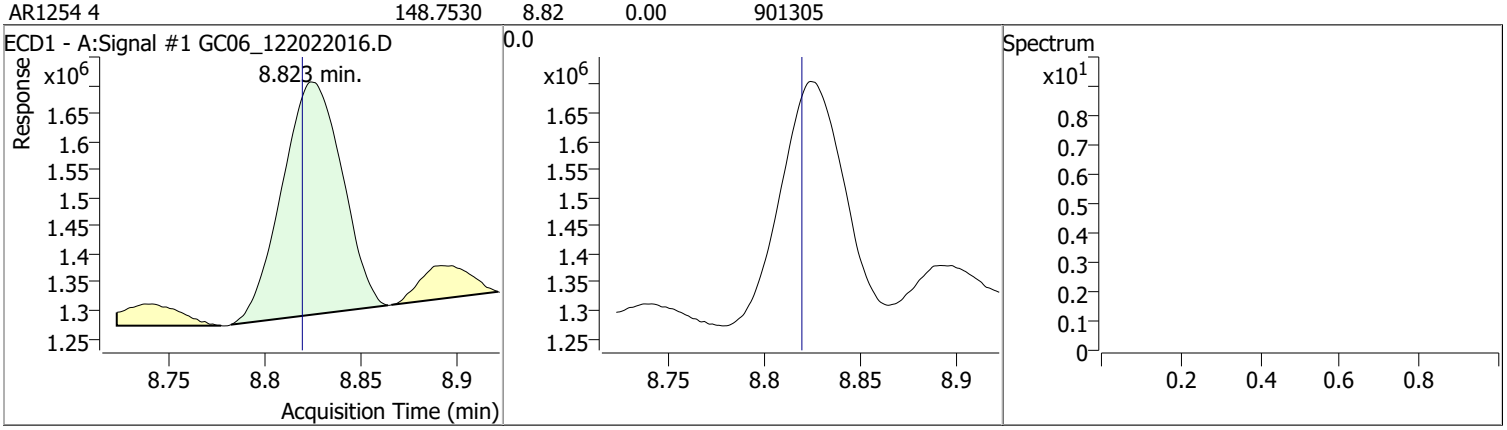
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1254 #2	330.5808	9.55	1.08	6253201				



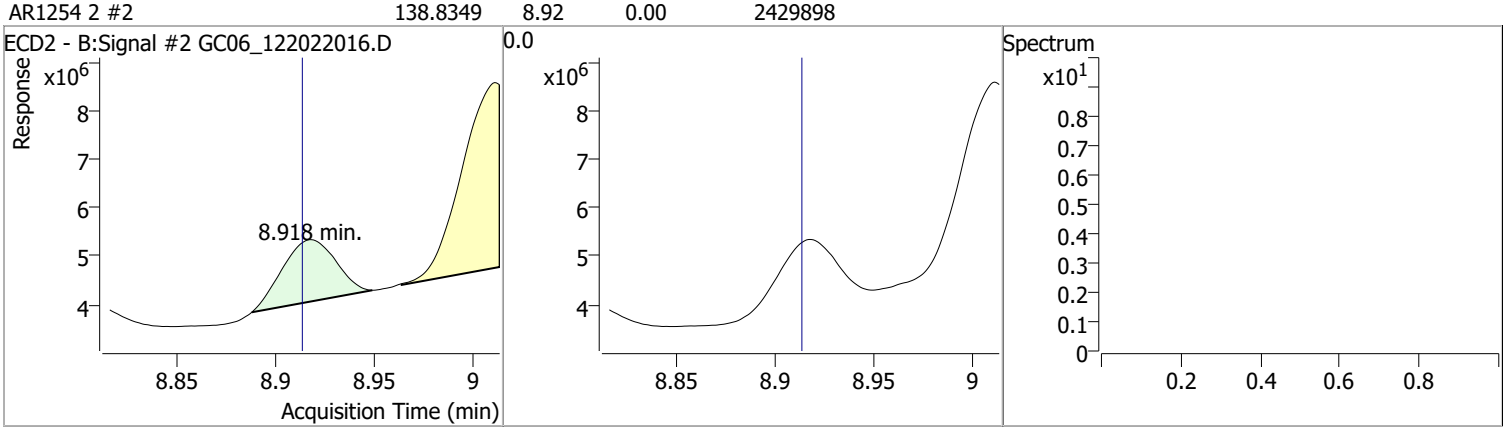
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1254 1 #2	996.0580	8.56	0.01	14569246				



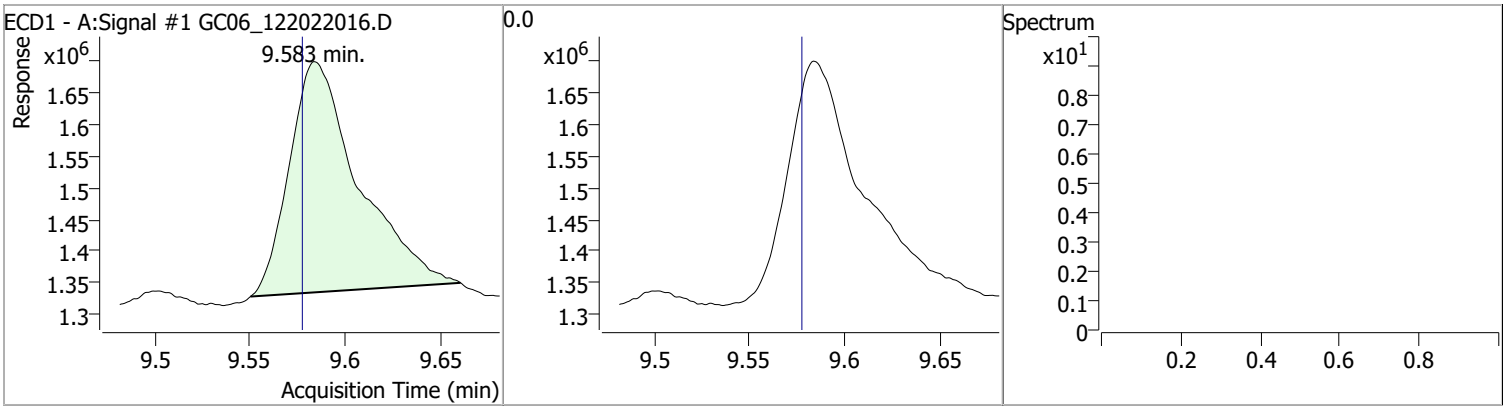
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1254 4	148.7530	8.82	0.00	901305				



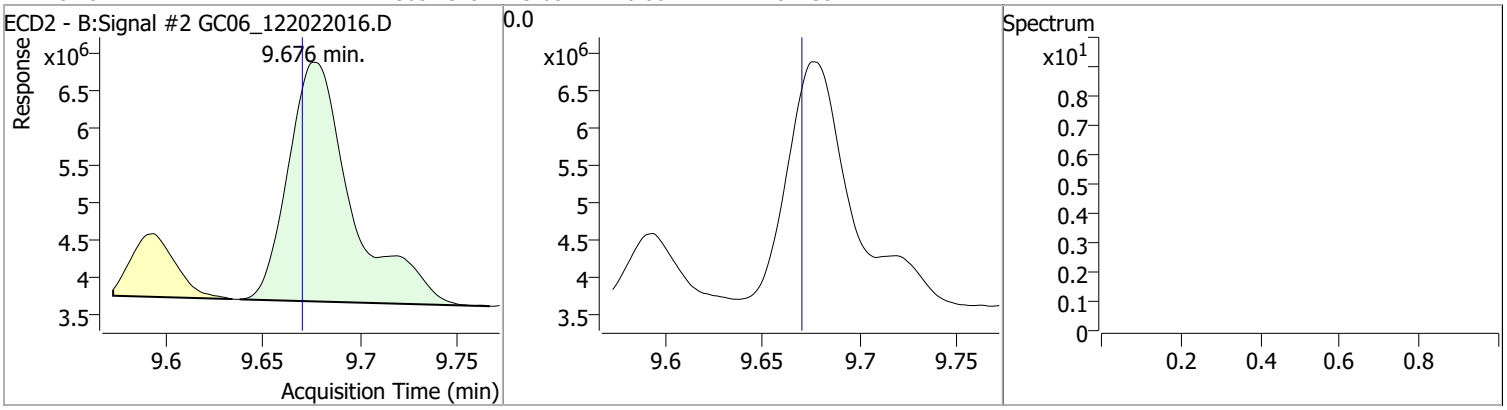
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1254 2 #2	138.8349	8.92	0.00	2429898				



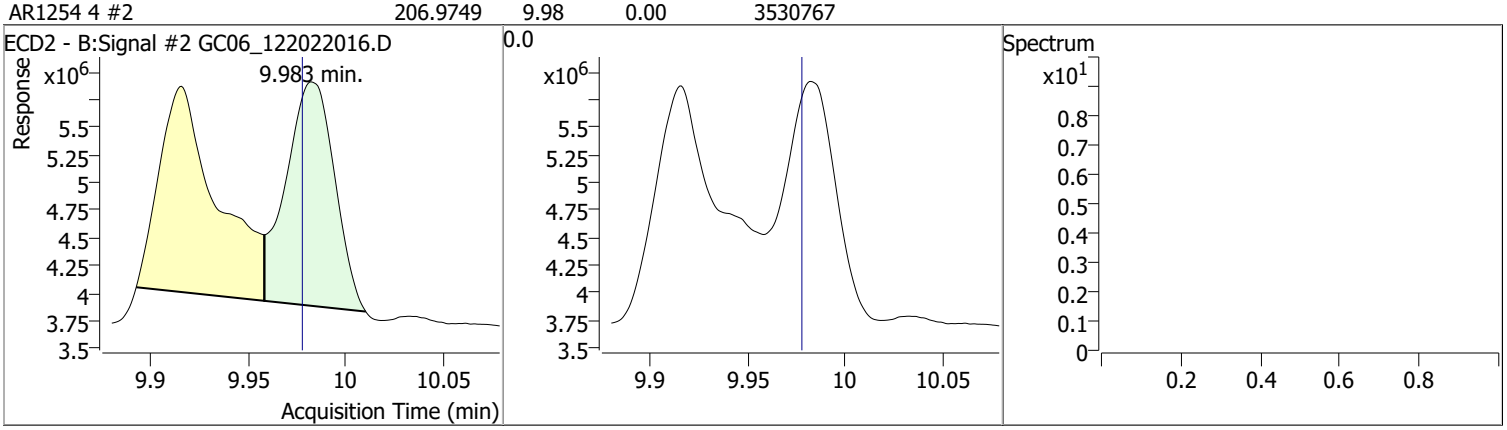
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1254 5	111.1098	9.58	0.00	920438				



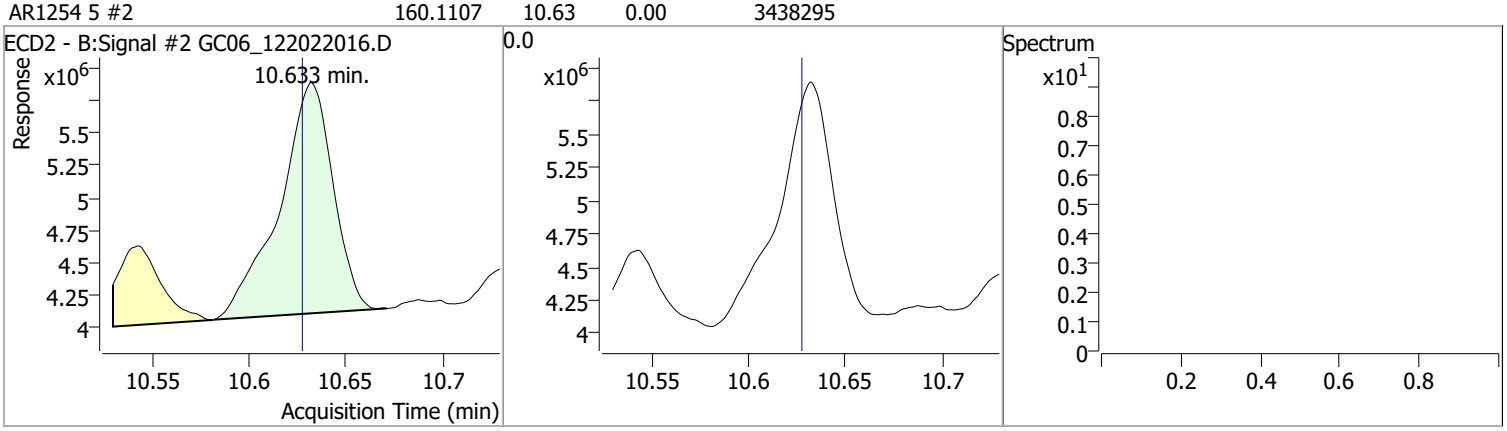
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1254 3 #2	305.1349	9.68	0.00	7297799				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1254 4 #2	206.9749	9.98	0.00	3530767				



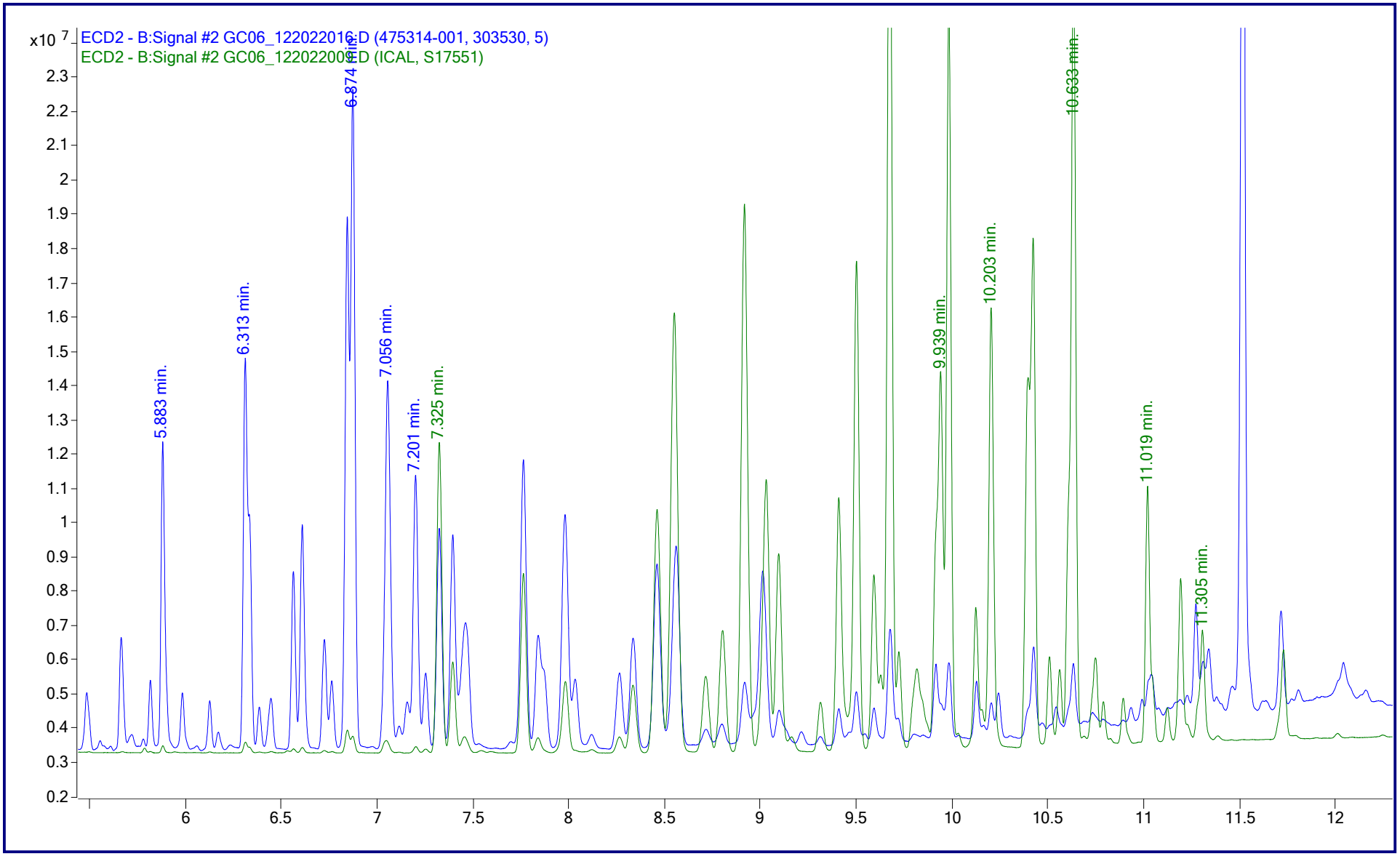
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1254 5 #2	160.1107	10.63	0.00	3438295				



Chromatogram Information Window

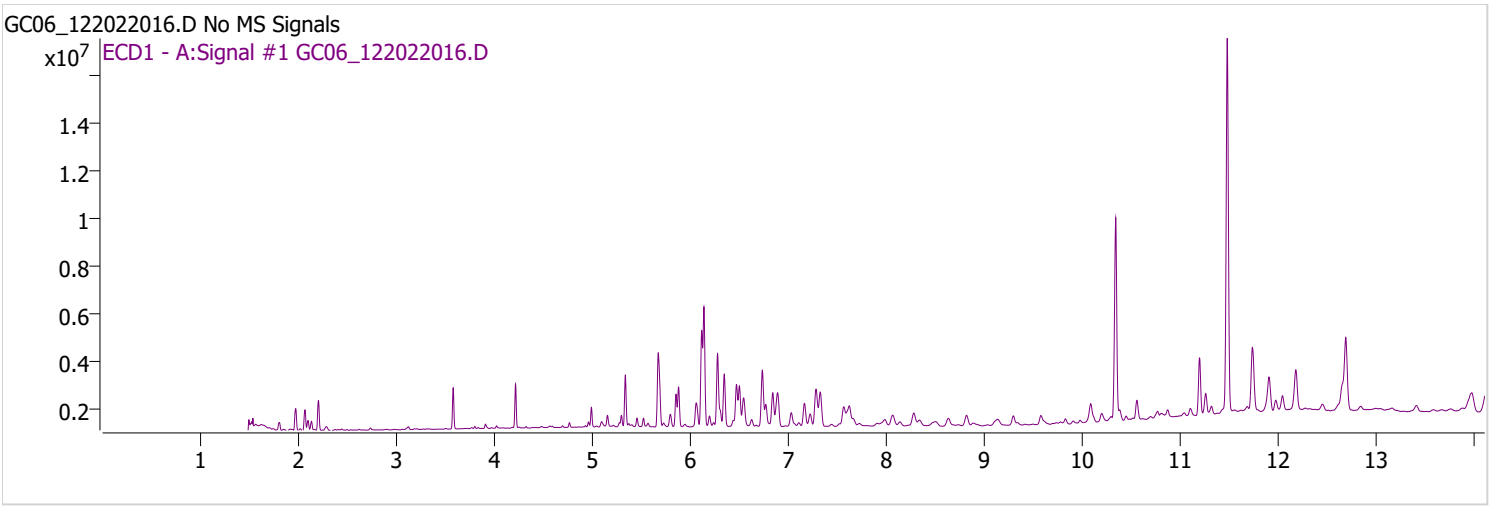
Agilent Technologies

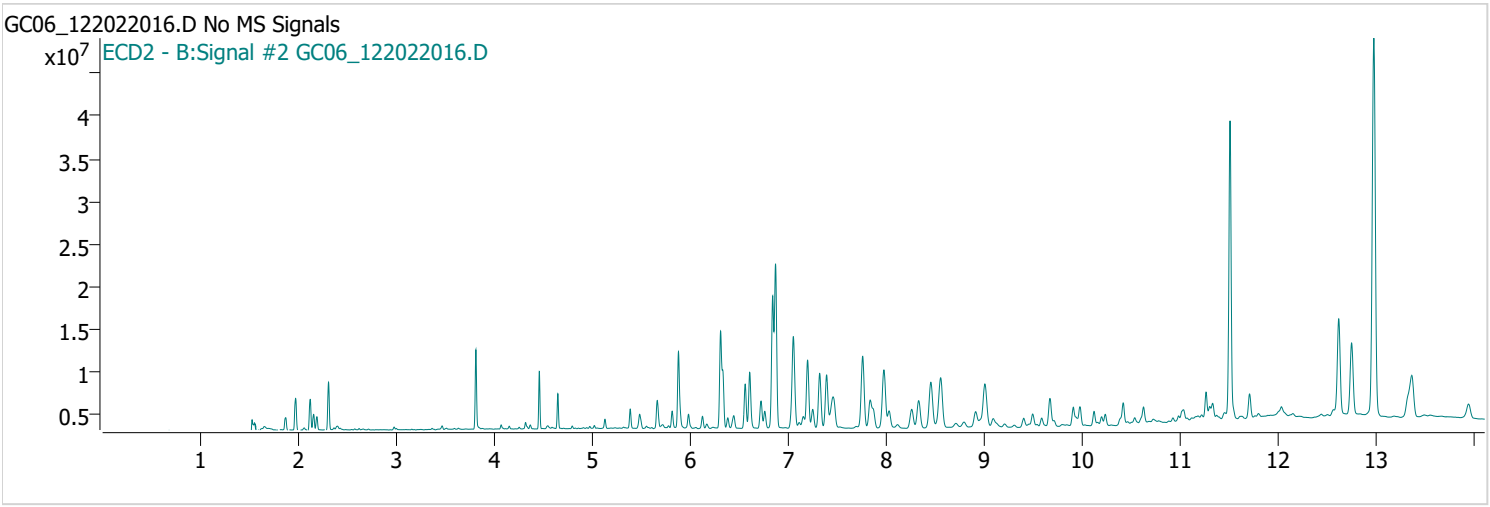
Data Path	C:\MassHunter\GCMS\1\data\GC06_122022
Data File	GC06_122022004.D
Acq Operator	MTS
Acq. Date-Time	12/20/2022 11:21 AM
Instrument Name	SVOA-GC06



Quantitation Results Report (Not Reviewed)

Data File	GC06_122022016.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/20/2022 2:56:02 PM
Sample Name	475314-001, 303530, 5	Instrument	SVOA-GC06
Vial	5	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_13.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	122022PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



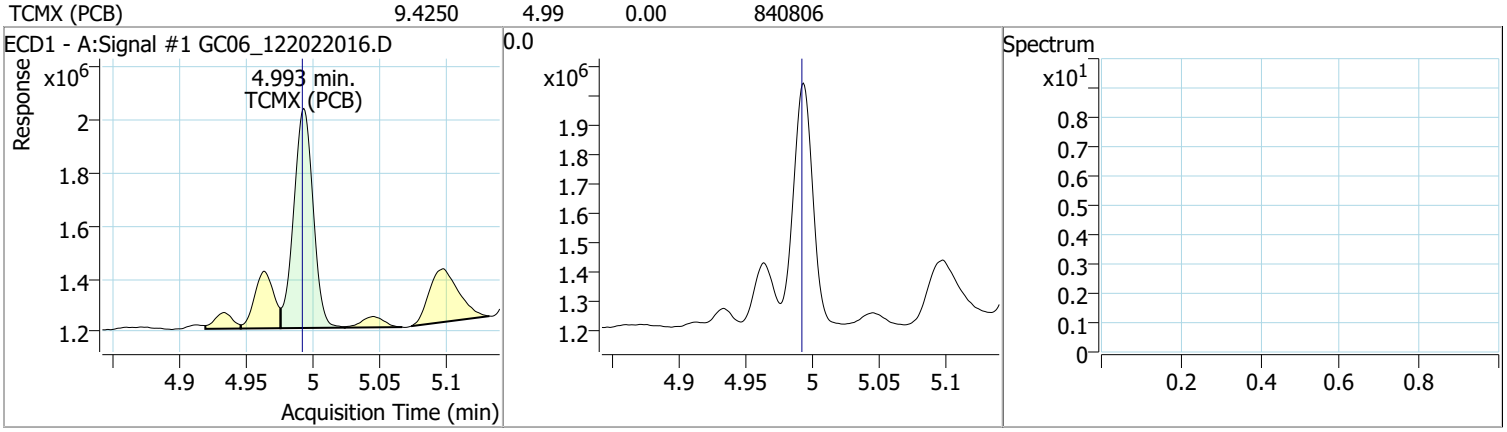


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.218	0.0	1855515.168	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.461	0.0	5912359.527	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.993	0.0	840805.870	9.4250	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 47.13%		*	
S TCMX (PCB) #2	5.390	0.0	2501968.429	8.8117	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 44.06%		*	
S Decachlorobiphenyl (PCB)	11.983	0.0	803671.895	2.8242	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 14.12%		*	
S Decachlorobiphenyl (PCB) #2	13.371	0.0	12733251.711	40.2286	ng/ml	m	0.013
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 201.14%		*	
Target Compounds							**QValue**
T AR1016 1	5.340	0.0	2475921.879	1272.7226	ng/ml		100

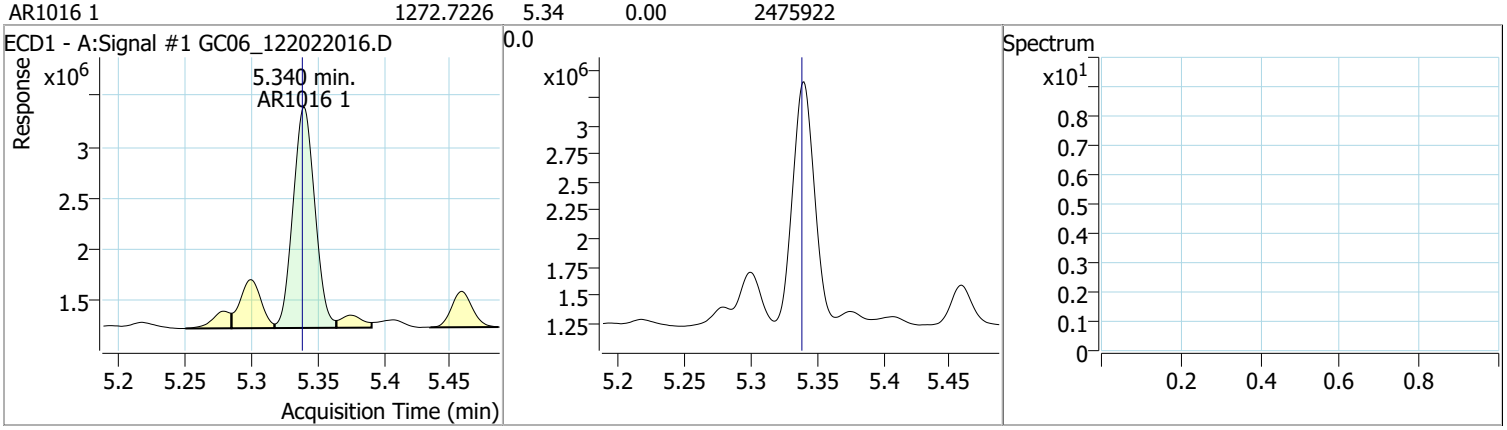
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.676	0.0	5326738.668	1361.7122	ng/ml	100
T AR1016 1 #2	5.883	0.0	12782905.454	2080.2654	ng/ml	100
T AR1016 3	6.143	0.0	6713027.100	1361.0302	ng/ml	100
T AR1016 4	6.282	0.0	4985036.653	1328.8731	ng/ml	100
T AR1016 2 #2	6.313	0.0	24087360.234	2715.4878	ng/ml	100
T AR1016 5	6.475	0.0	2940840.816	973.2953	ng/ml	100
T AR1016 3 #2	6.874	0.0	30611113.097	1899.2451	ng/ml	100
T AR1016 4 #2	7.056	0.0	20981396.715	1823.4482	ng/ml	100
T AR1016 5 #2	7.201	0.0	13649821.320	1459.4140	ng/ml	100
T AR1260 1	8.640	0.0	911799.576	145.3406	ng/ml	100
T AR1260 2	9.138	0.0	990212.438	103.5573	ng/ml	100
T AR1260 3	9.583	0.0	905058.885	90.5570	ng/ml	100
T AR1260 1 #2	9.916	0.0	5015068.174	285.0263	ng/ml	100
T AR1260 4	10.093	0.0	1958377.596	355.5516	ng/ml	100
T AR1260 2 #2	10.204	0.0	1747282.953	82.6493	ng/ml	100
T AR1260 3 #2	10.633	0.0	3471458.724	129.7268	ng/ml	100
T AR1260 5	10.775	0.0	796681.694	53.5037	ng/ml	100
T AR1260 4 #2	11.041	0.0	3355745.329	204.8301	ng/ml	100
T AR1260 5 #2	11.309	0.0	1913514.928	67.3871	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

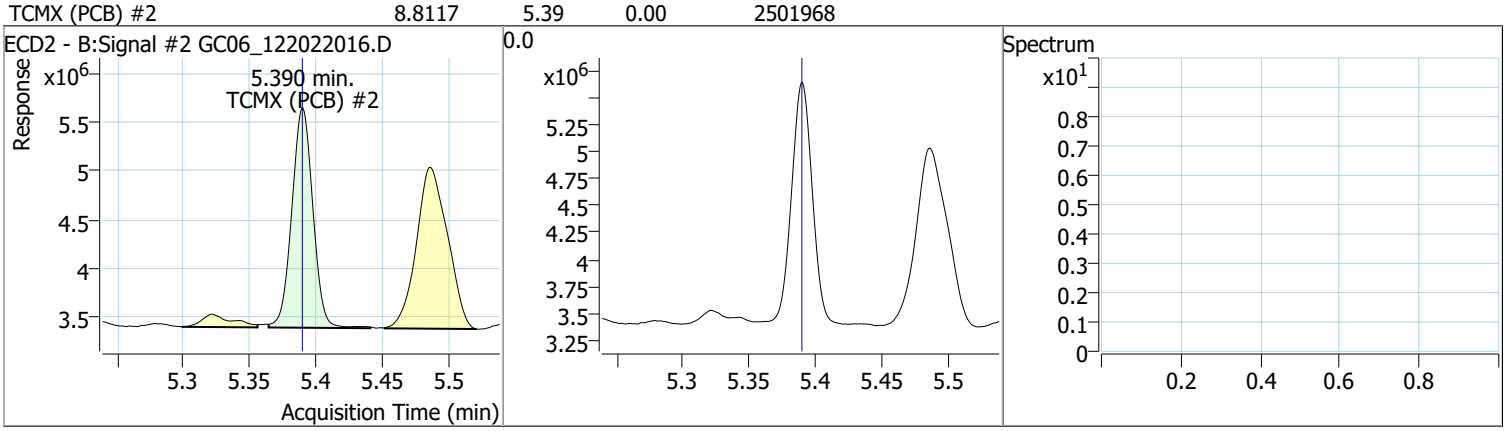
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	9.4250	4.99	0.00	840806				



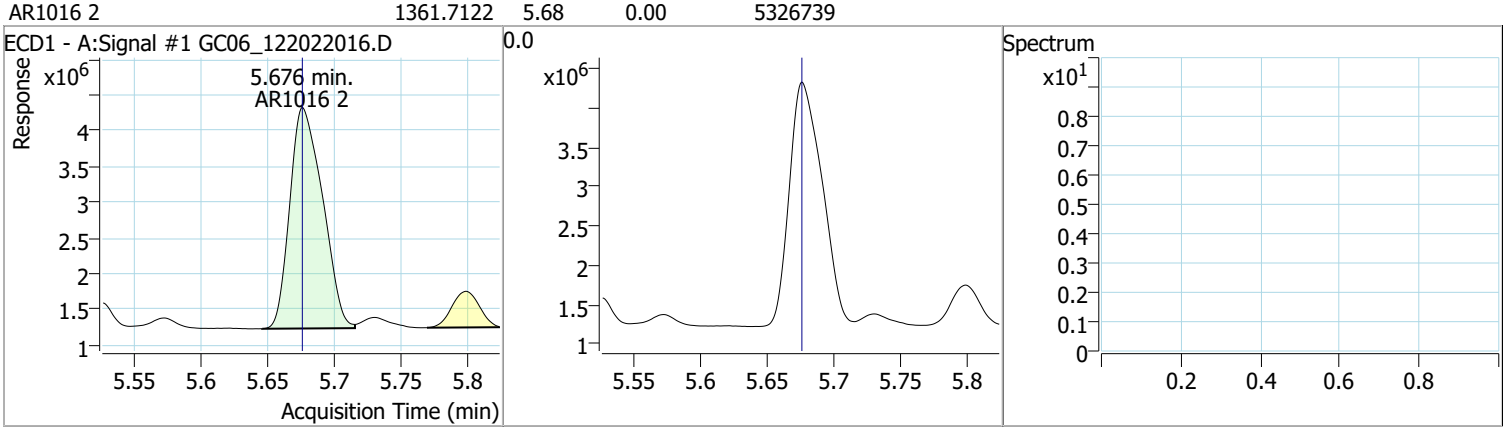
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1272.7226	5.34	0.00	2475922				



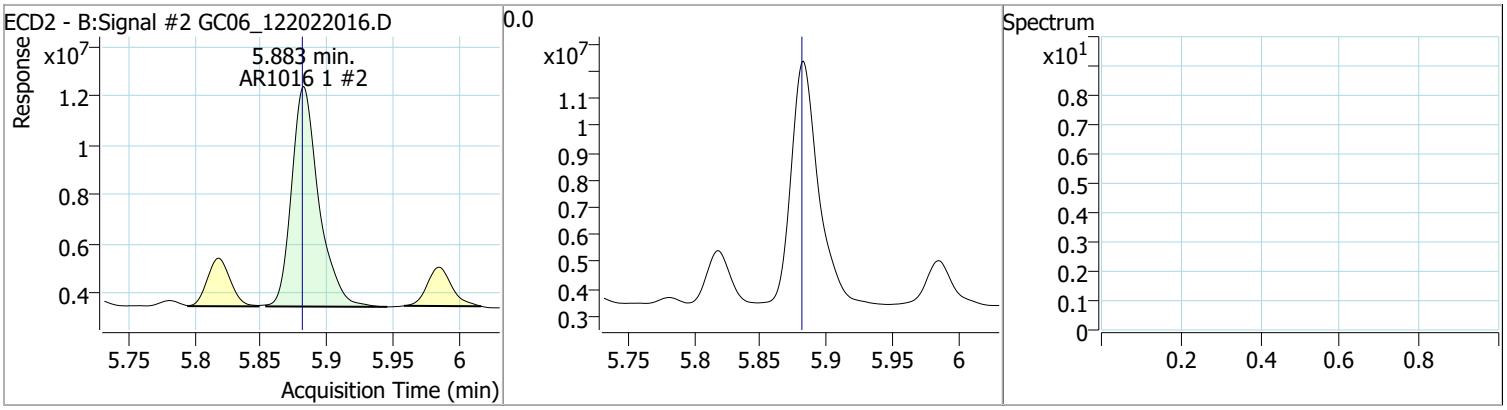
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	8.8117	5.39	0.00	2501968				



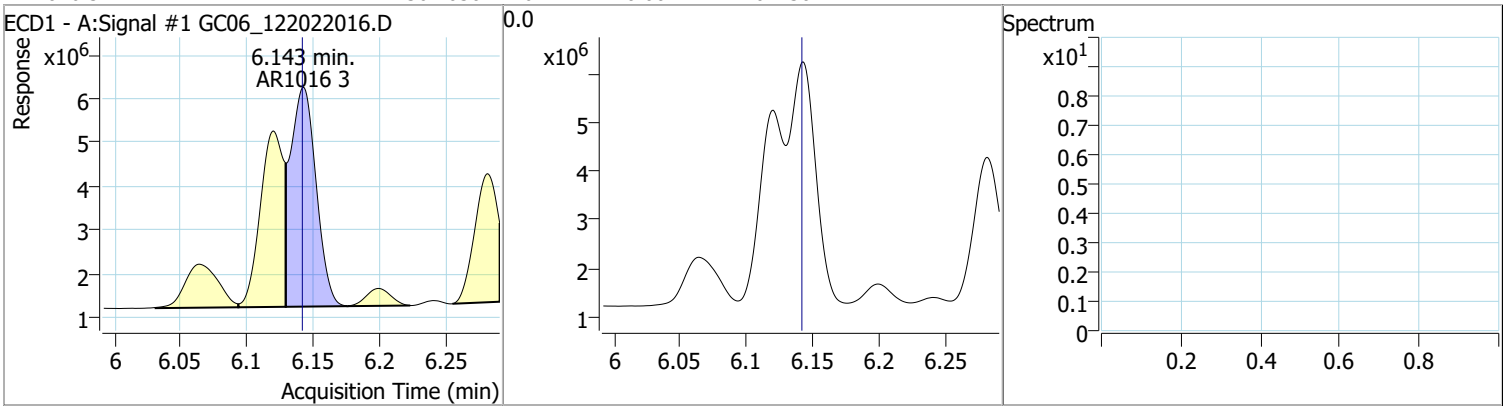
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1361.7122	5.68	0.00	5326739				



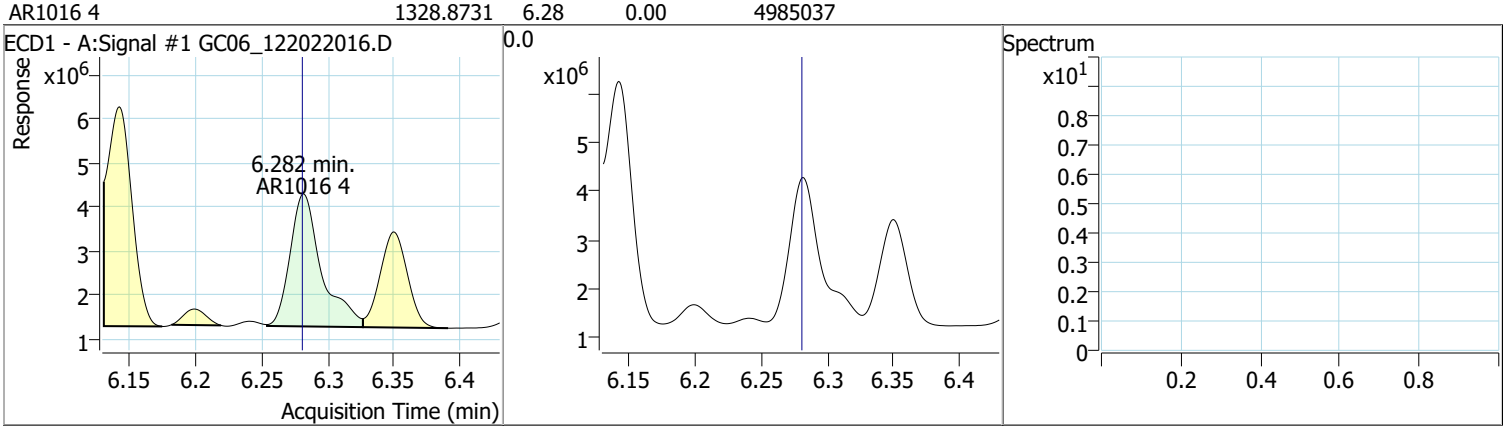
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	2080.2654	5.88	0.00	12782905				



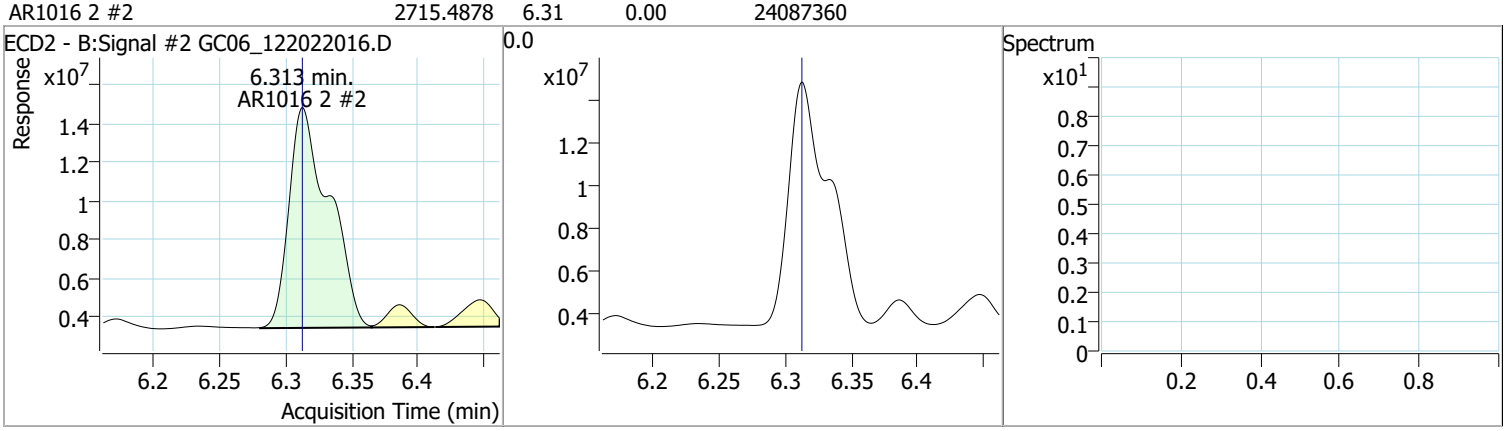
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1361.0302	6.14	0.00	6713027				



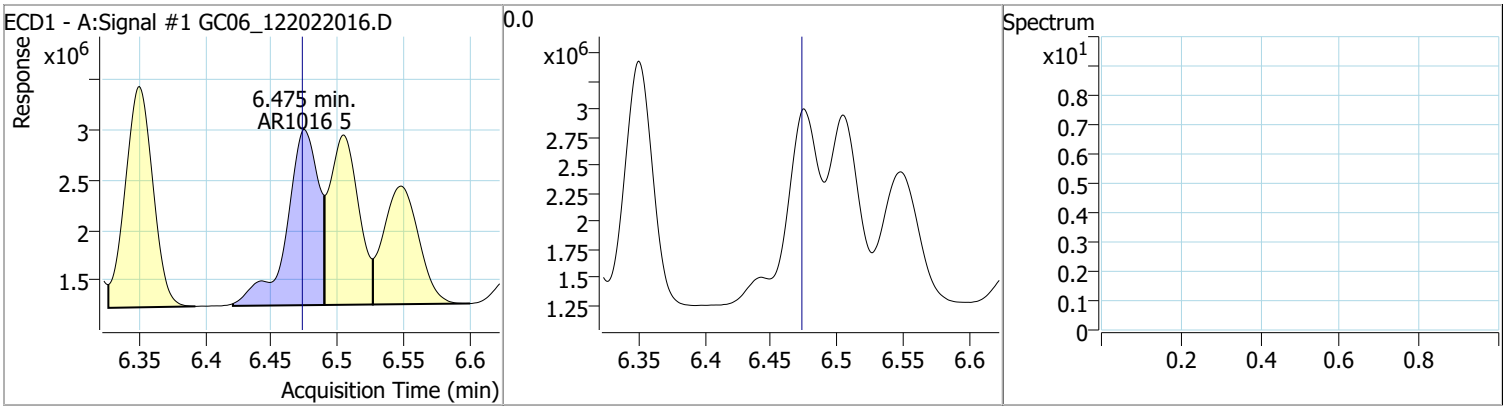
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1328.8731	6.28	0.00	4985037				



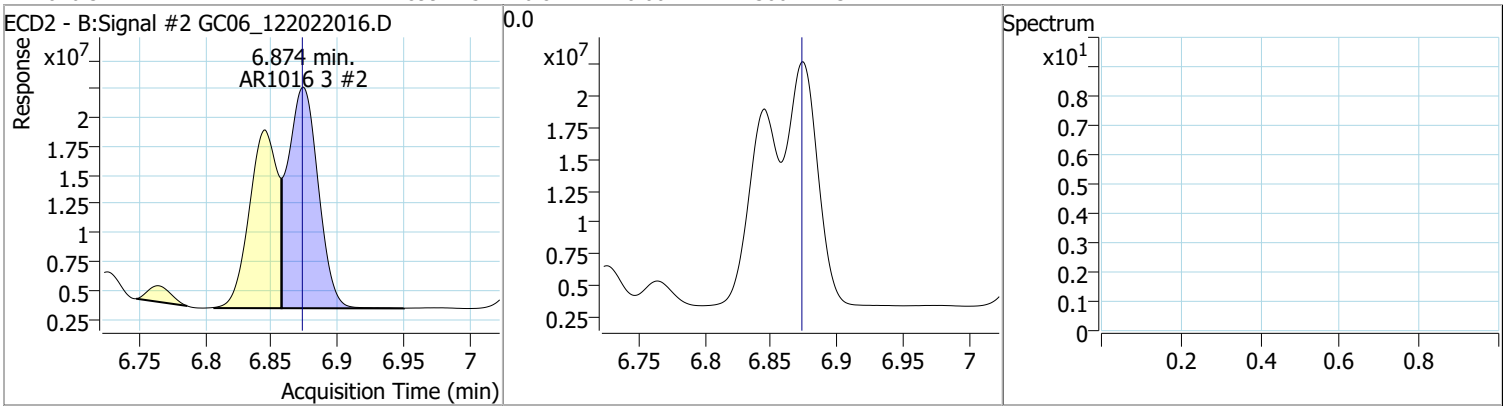
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	2715.4878	6.31	0.00	24087360				



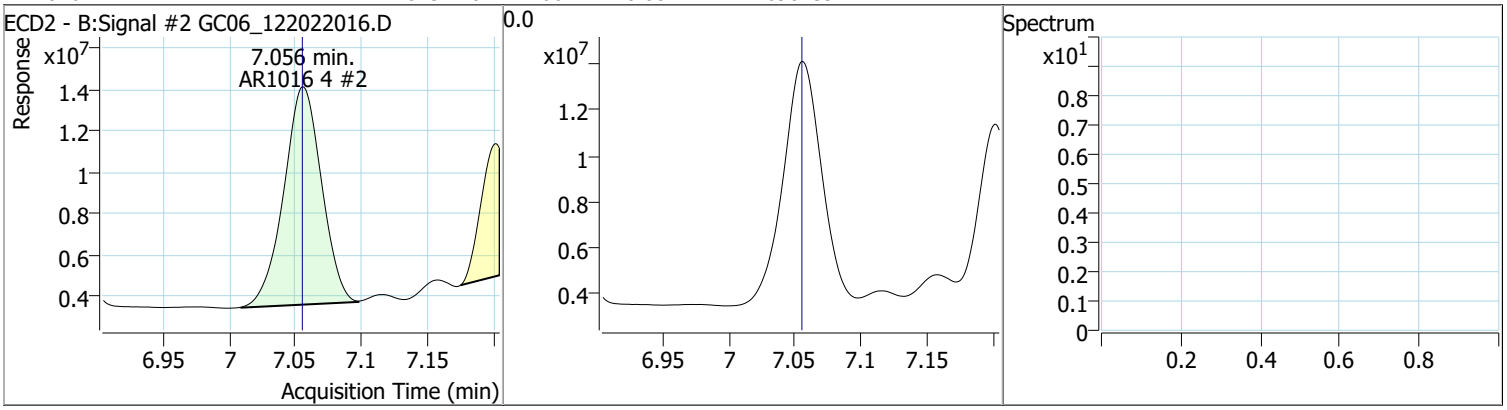
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	973.2953	6.48	0.00	2940841				



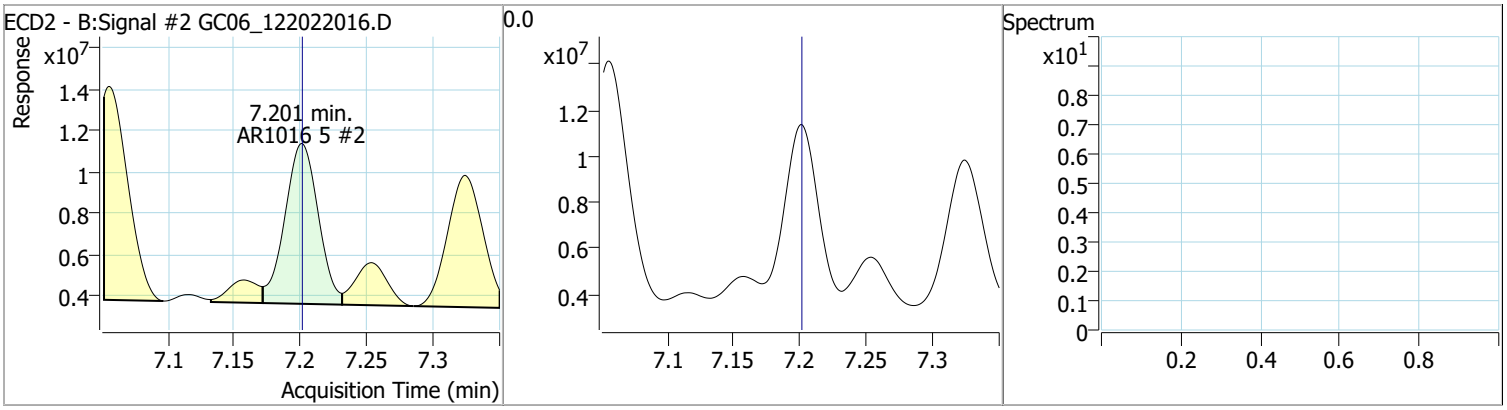
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1899.2451	6.87	0.00	30611113				



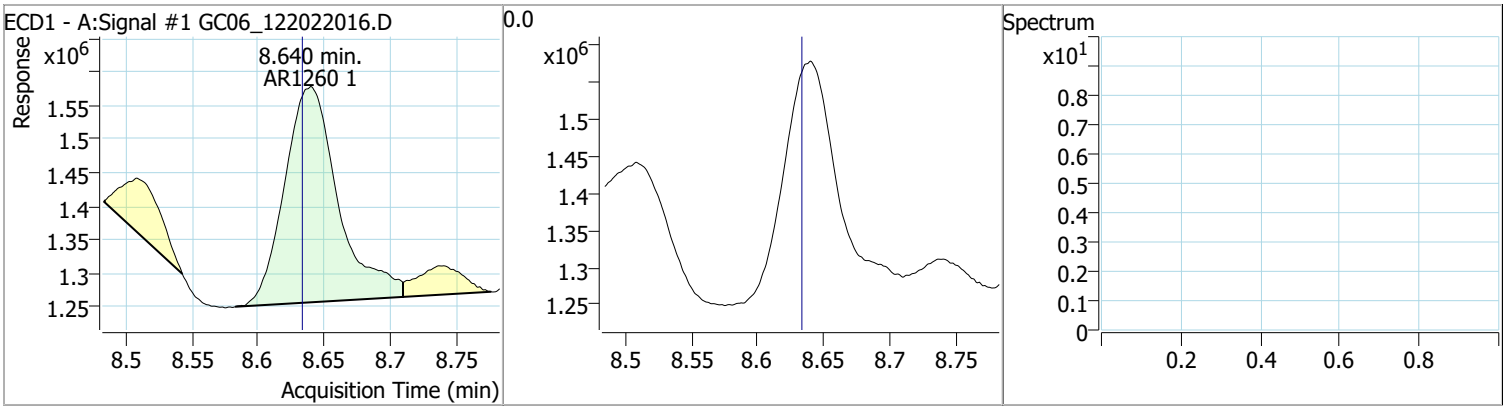
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1823.4482	7.06	0.00	20981397				



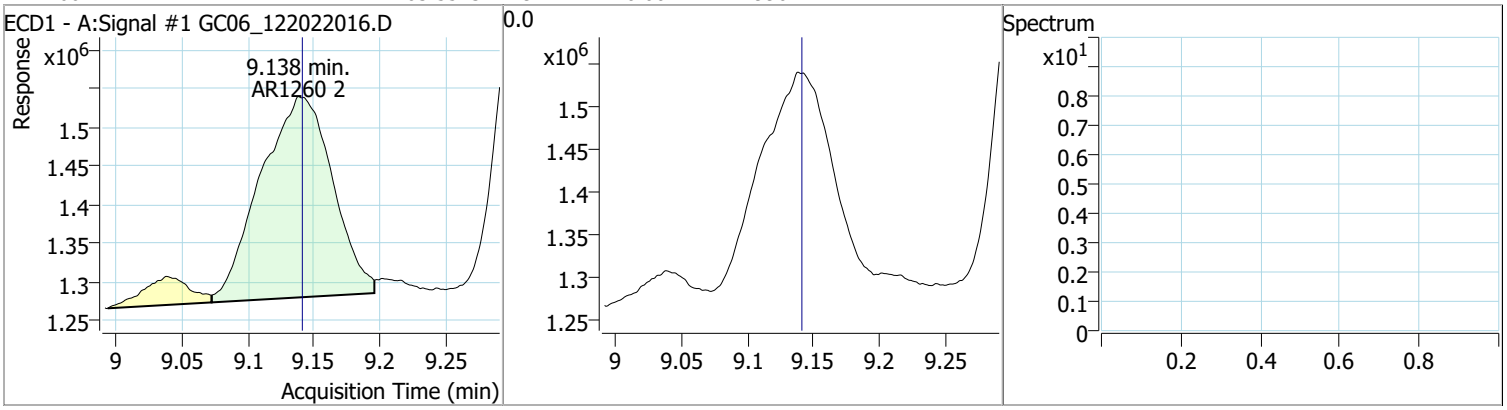
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1459.4140	7.20	0.00	13649821				



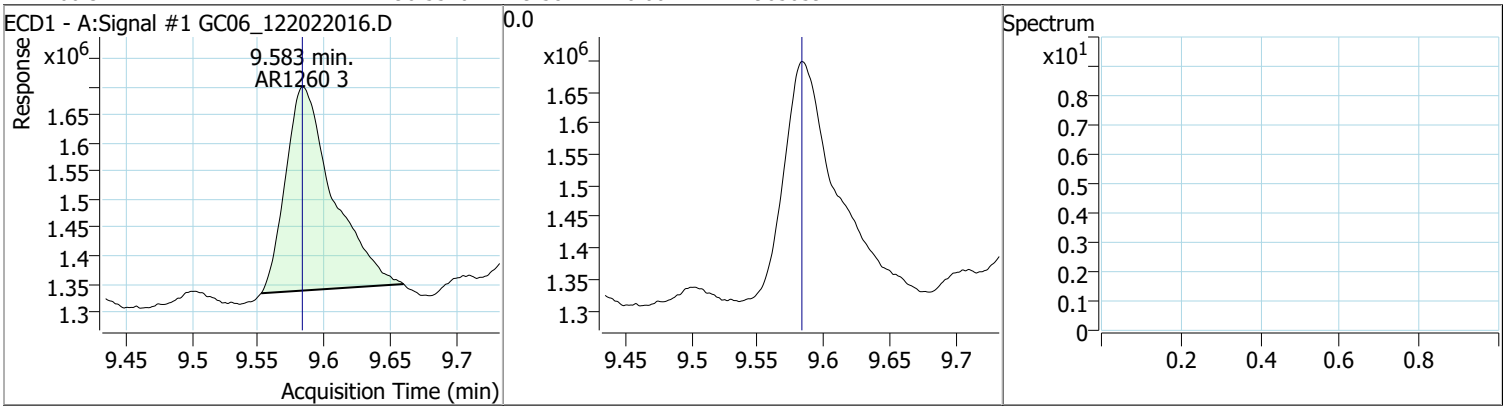
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	145.3406	8.64	0.01	911800				



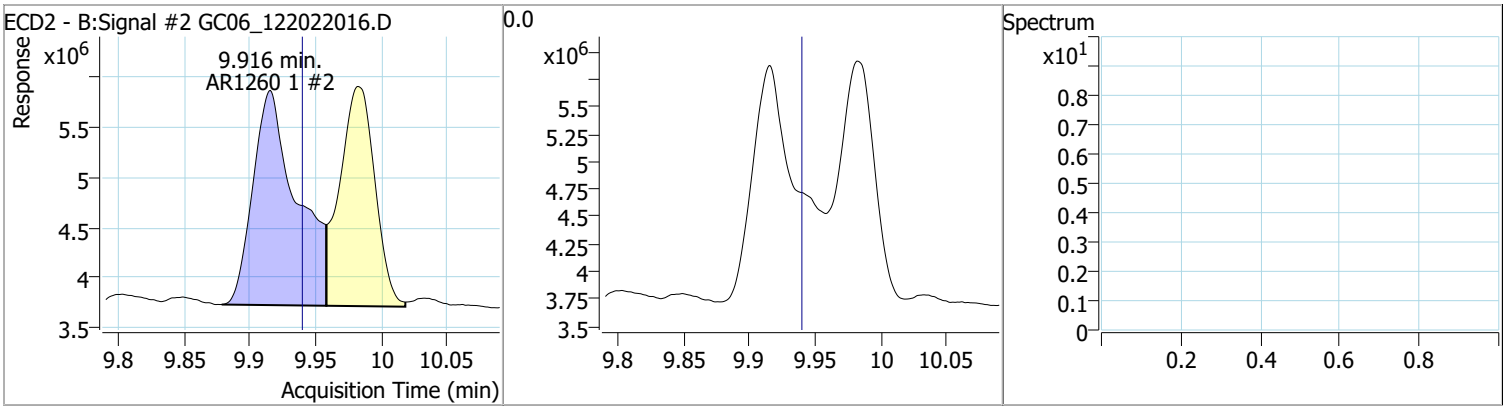
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	103.5573	9.14	0.00	990212				



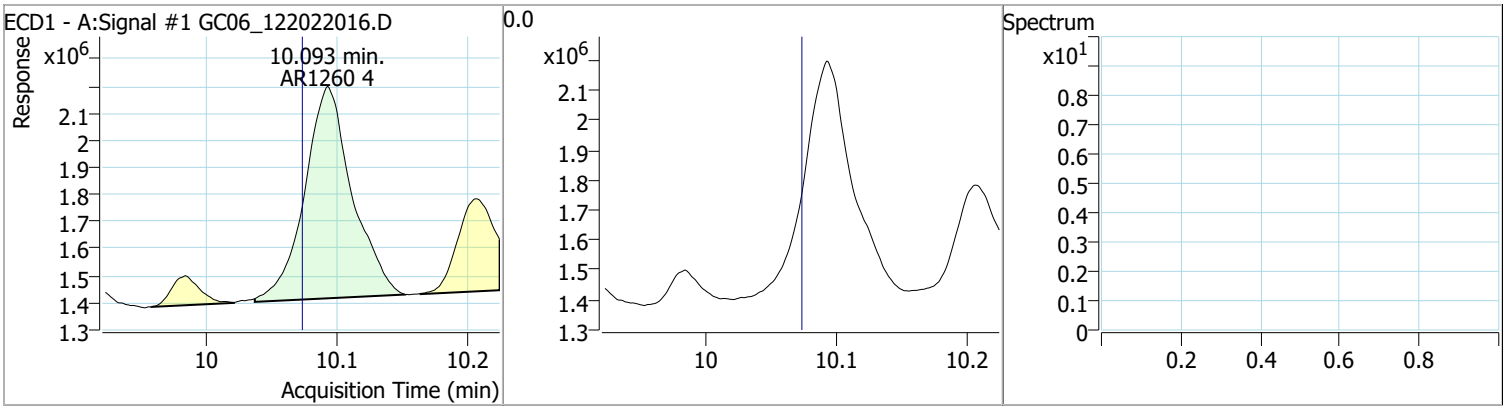
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	90.5570	9.58	0.00	905059				



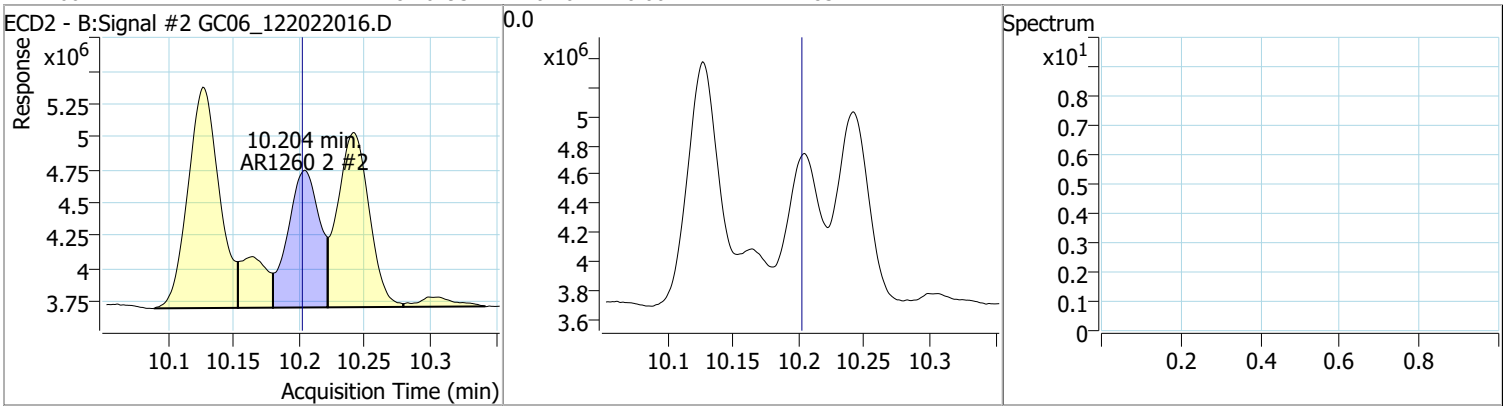
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	285.0263	9.92	-0.03	5015068				



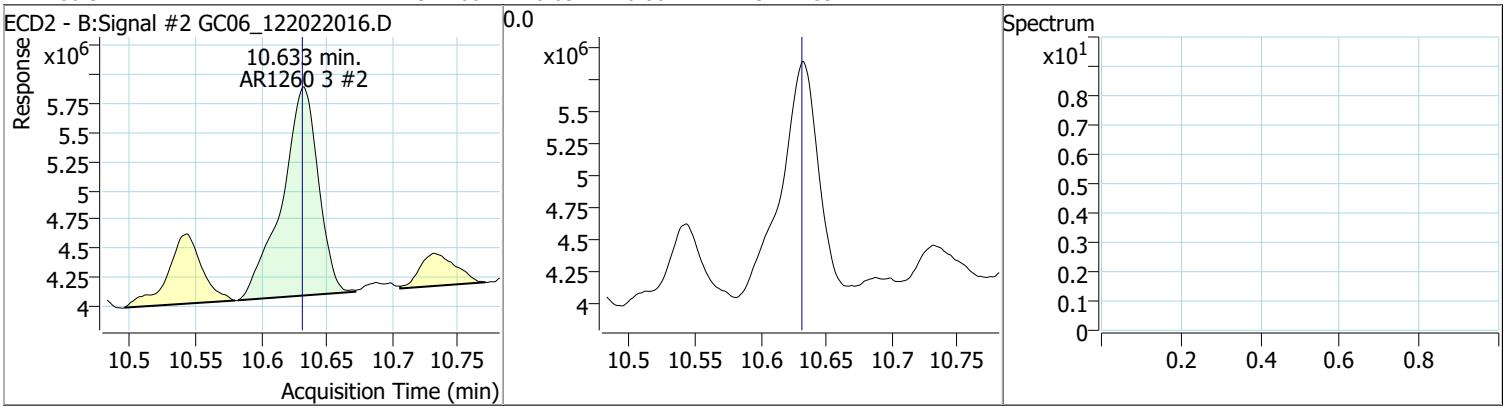
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	355.5516	10.09	0.02	1958378				



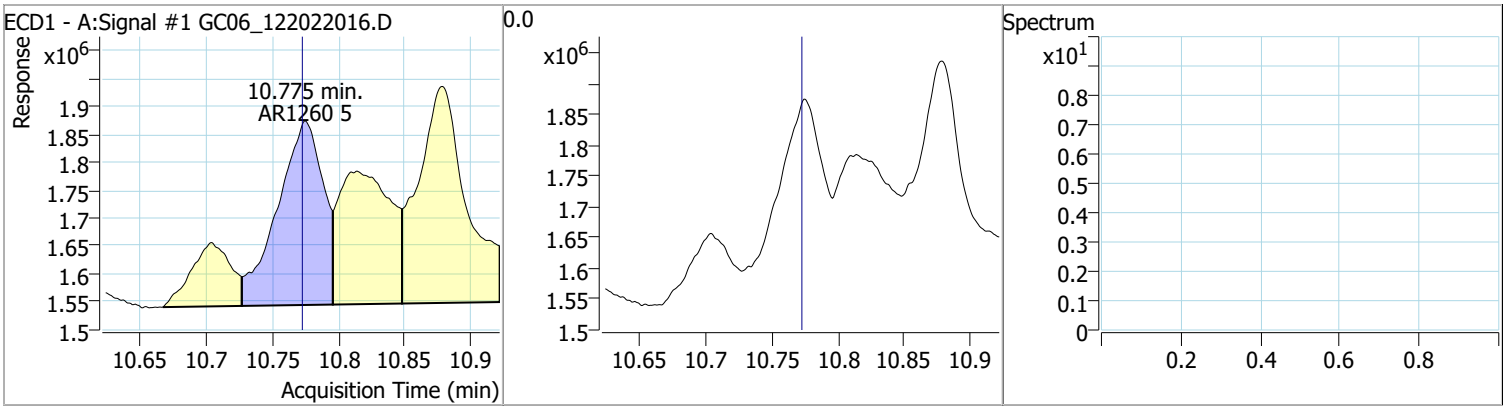
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	82.6493	10.20	0.00	1747283				



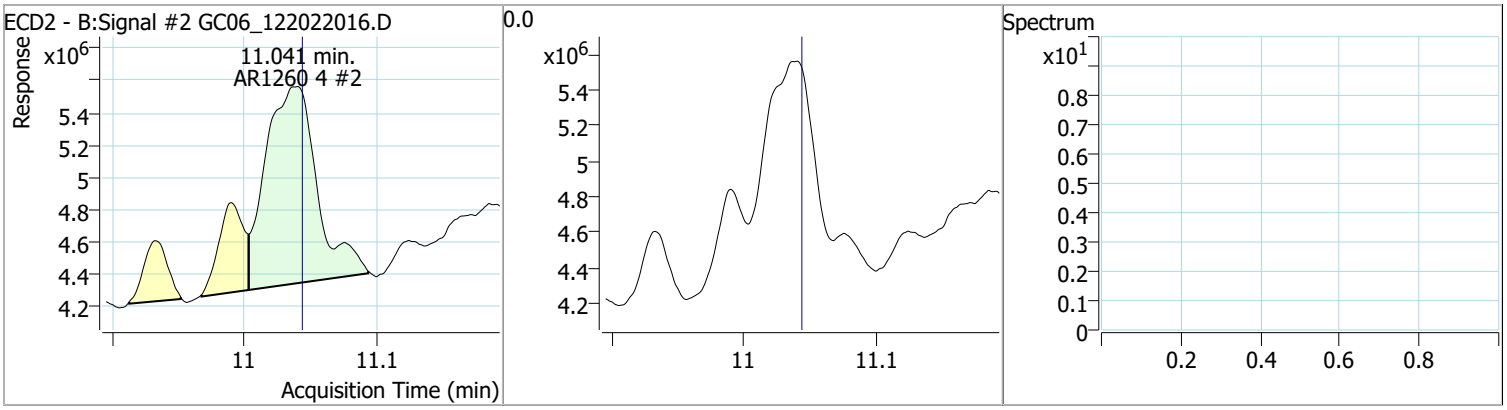
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	129.7268	10.63	0.00	3471459				



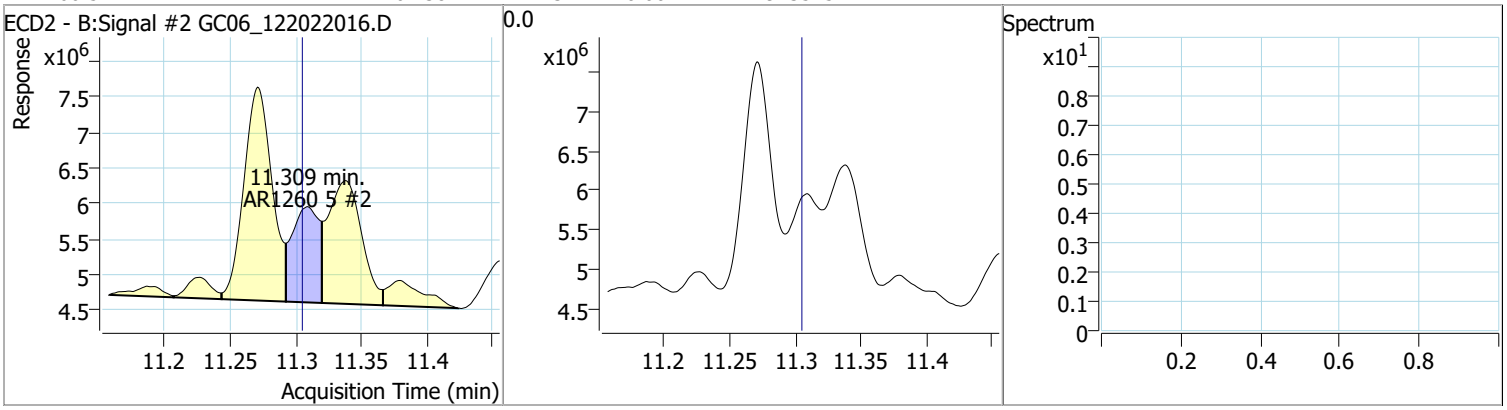
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	53.5037	10.78	0.00	796682				



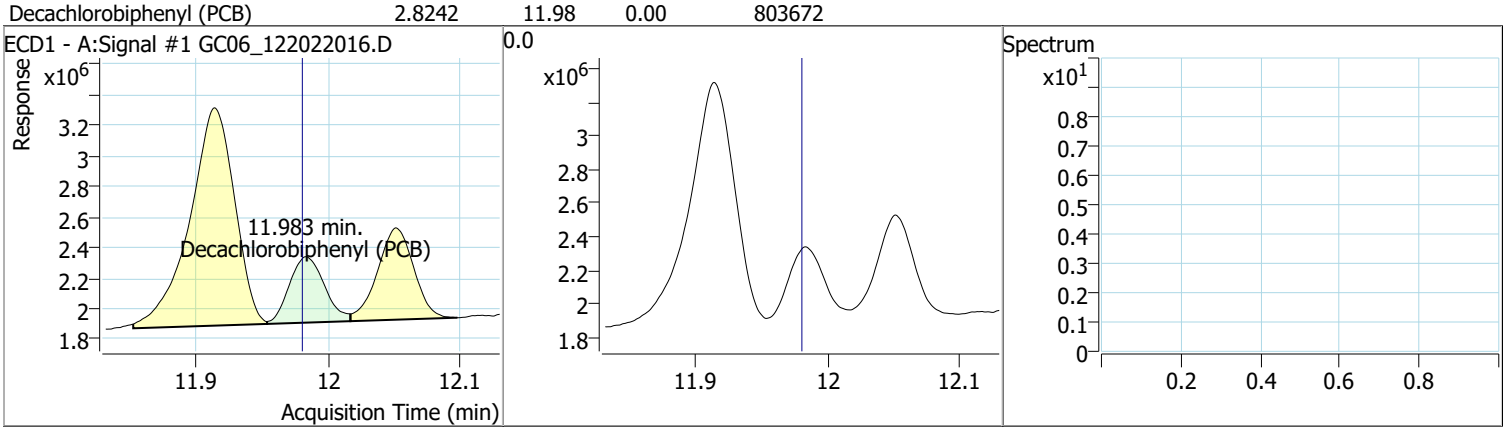
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	204.8301	11.04	-0.01	3355745				



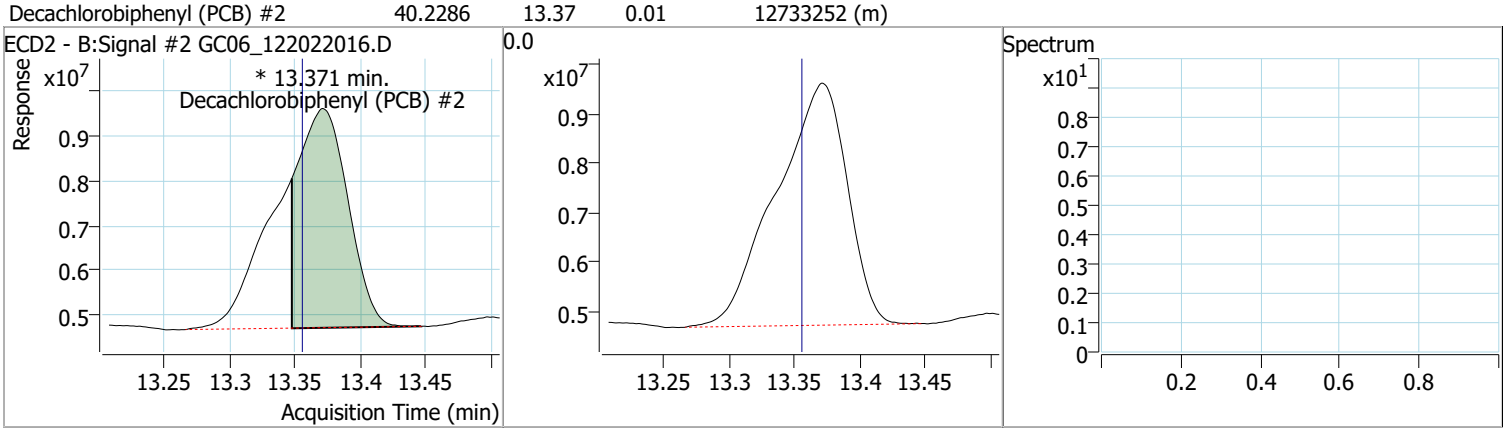
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	67.3871	11.31	0.00	1913515				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	2.8242	11.98	0.00	803672				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	40.2286	13.37	0.01	12733252 (m)				



Attachment 6

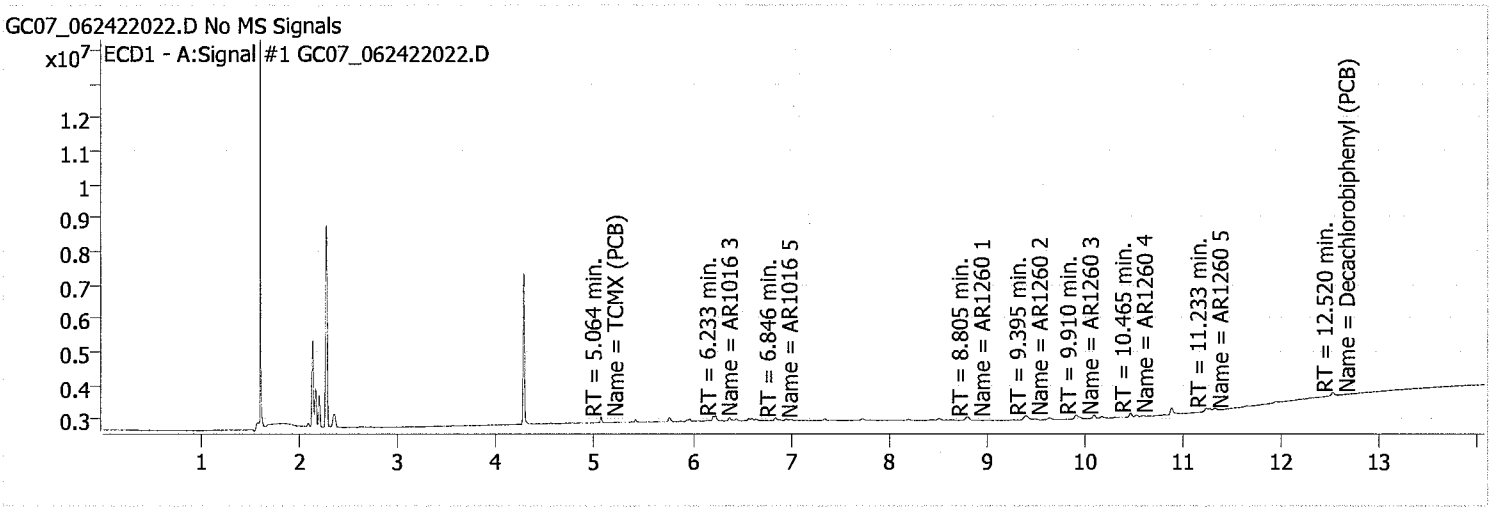
PCB Chromatograms from NTCRA Samples

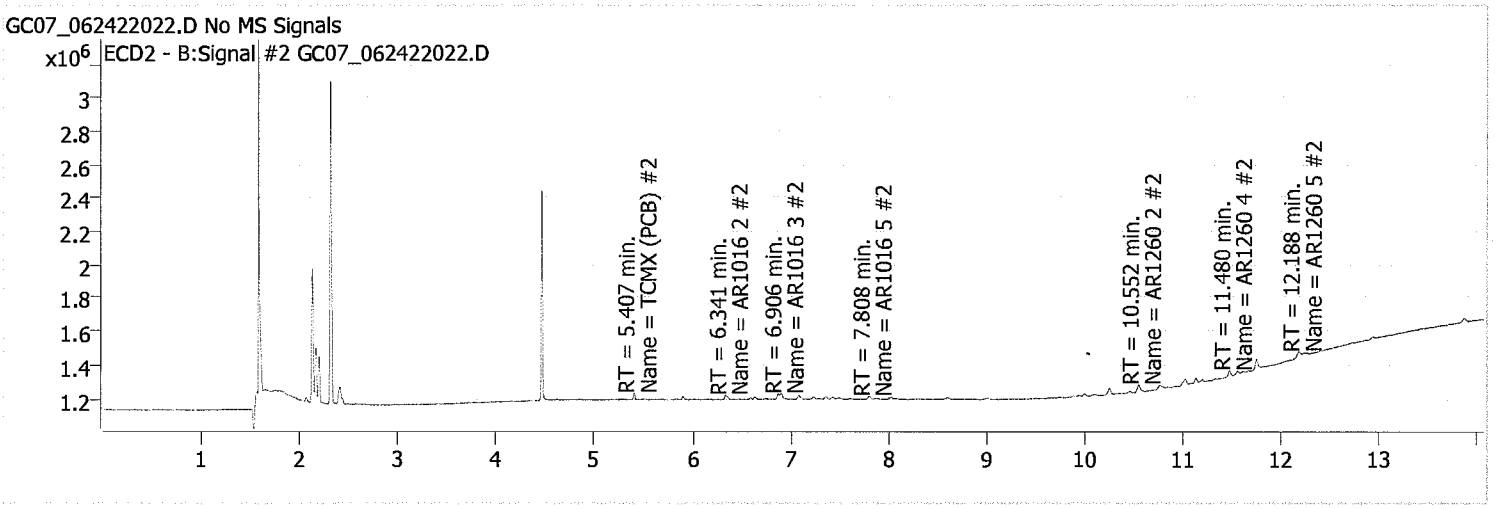
GC07 ICAL low point

Quantitation Results Report (Not Reviewed)

Agilent

Data File	GC07_062422022.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 12:39:35 AM
Sample Name	ICAL, S16726, 100	Instrument	SVOA-GC07
Vial	11	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	20 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			





Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4303770.897	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.465	0.0	1146854.232	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.064	0.0	181719.749	0.8952	ng/ml		0.000
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~4.48%~~ 111.9% *			
S TCMX (PCB) #2	5.407	0.0	45302.652	0.8704	ng/ml		0.000
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~4.35%~~ 108.8% *			
S Decachlorobiphenyl (PCB)	12.520	0.0	226135.319	0.9406	ng/ml	m	-0.001
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~4.70%~~ 118.2% *			
S Decachlorobiphenyl (PCB) #2	13.865	0.0	66391.652	0.9401	ng/ml		-0.006
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~4.70%~~ 117.5% *			
Target Compounds							QValue
T AR1016 1	5.415	0.0	100860.719	24.4281	ng/ml	m	100
T AR1016 2	5.760	0.0	217745.698	24.3329	ng/ml		100
T AR1016 1 #2	5.904	0.0	27171.139	23.5260	ng/ml	m	100

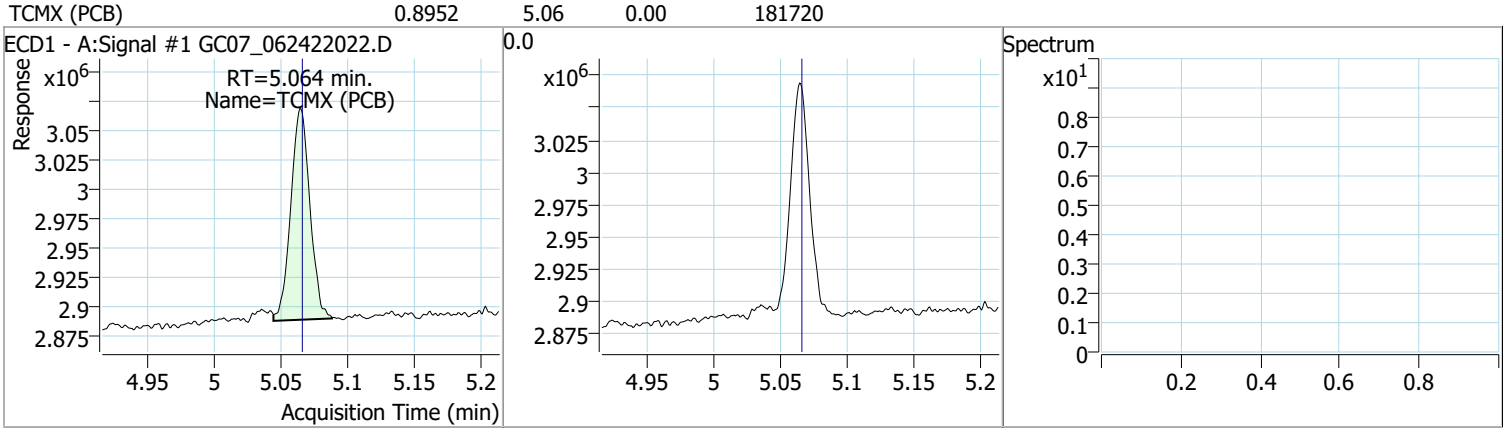
Spike = 0.8 DD 12/22/22

DD 12/22/22

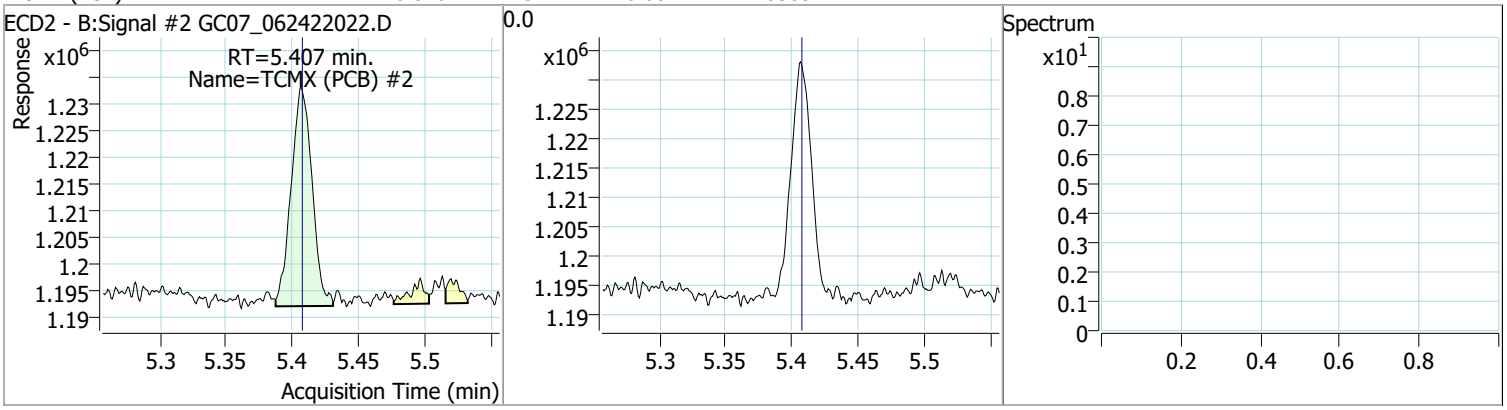
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.233	0.0	255522.787	24.6587	ng/ml		100
T AR1016 2 #2	6.341	0.0	59680.736	23.7307	ng/ml		100
T AR1016 4	6.373	0.0	177597.647	23.8332	ng/ml	m	100
T AR1016 5	6.846	0.0	144985.805	23.3584	ng/ml	m	100
T AR1016 3 #2	6.906	0.0	69844.980	24.2114	ng/ml		100
T AR1016 4 #2	7.088	0.0	44096.916	22.0245	ng/ml		100
T AR1016 5 #2	7.808	0.0	37691.872	22.5363	ng/ml		100
T AR1260 1	8.805	0.0	312835.640	23.8666	ng/ml		100
T AR1260 2	9.395	0.0	434770.610	23.1062	ng/ml		100
T AR1260 3	9.910	0.0	424711.927	22.2736	ng/ml		100
T AR1260 1 #2	10.254	0.0	84960.268	23.3914	ng/ml		100
T AR1260 4	10.465	0.0	231834.804	23.7836	ng/ml		100
T AR1260 2 #2	10.552	0.0	89110.774	22.0828	ng/ml		100
T AR1260 3 #2	11.026	0.0	94341.595	18.9942	ng/ml		100
T AR1260 5	11.233	0.0	163315.289	18.2491	ng/ml		100
T AR1260 4 #2	11.480	0.0	58077.973	20.8410	ng/ml		100
T AR1260 5 #2	12.188	0.0	84370.198	21.0683	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

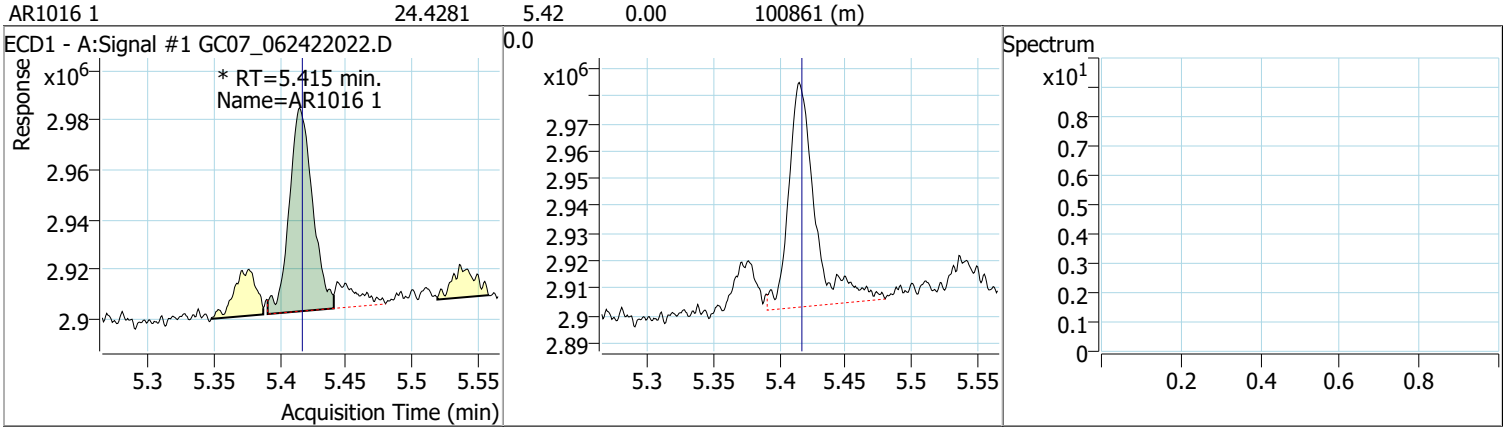
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	0.8952	5.06	0.00	181720				



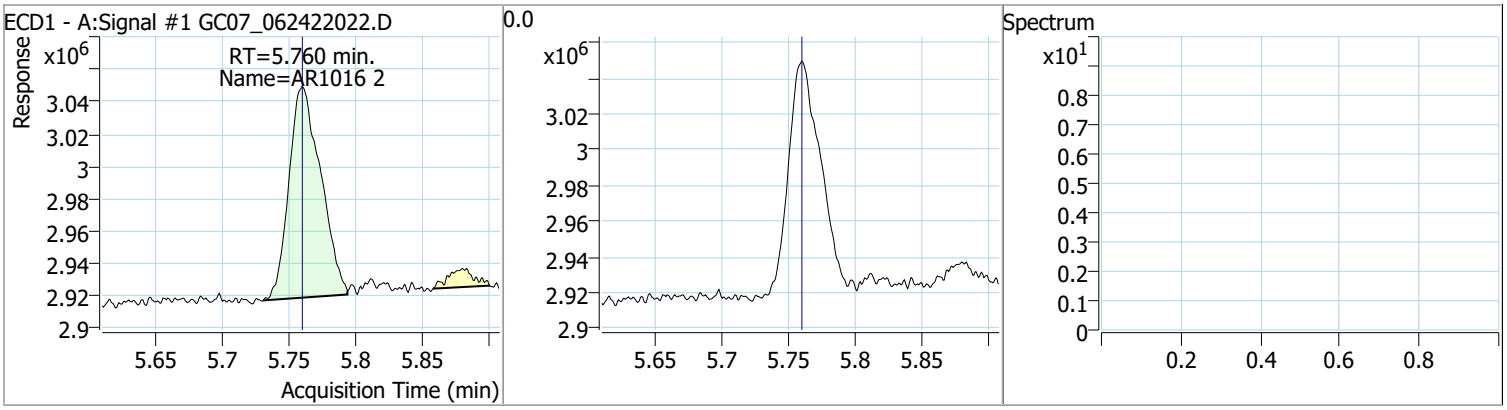
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	0.8704	5.41	0.00	45303				



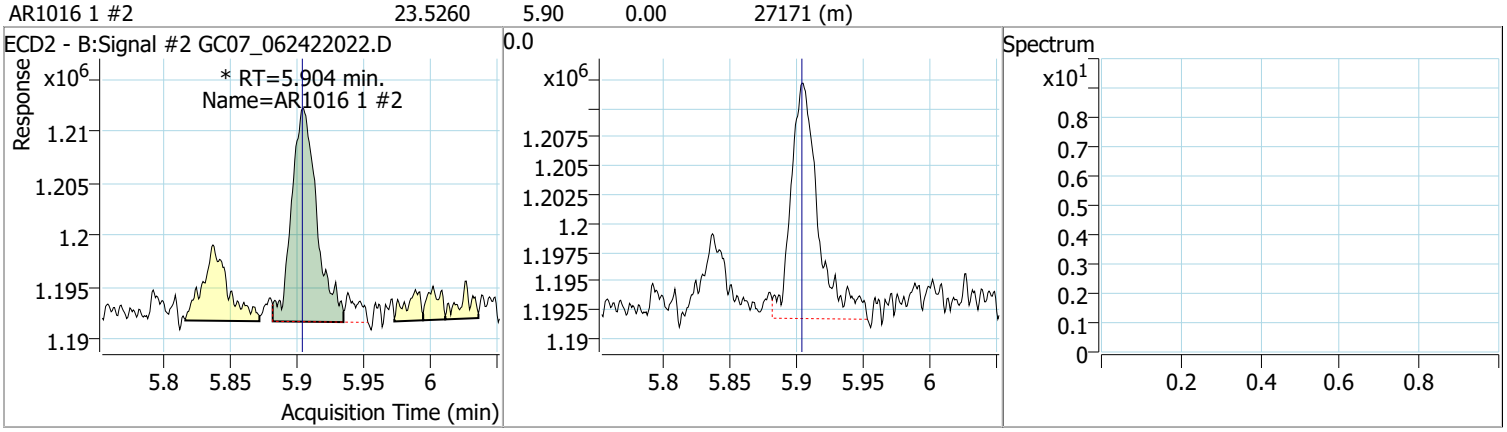
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	24.4281	5.42	0.00	100861 (m)				



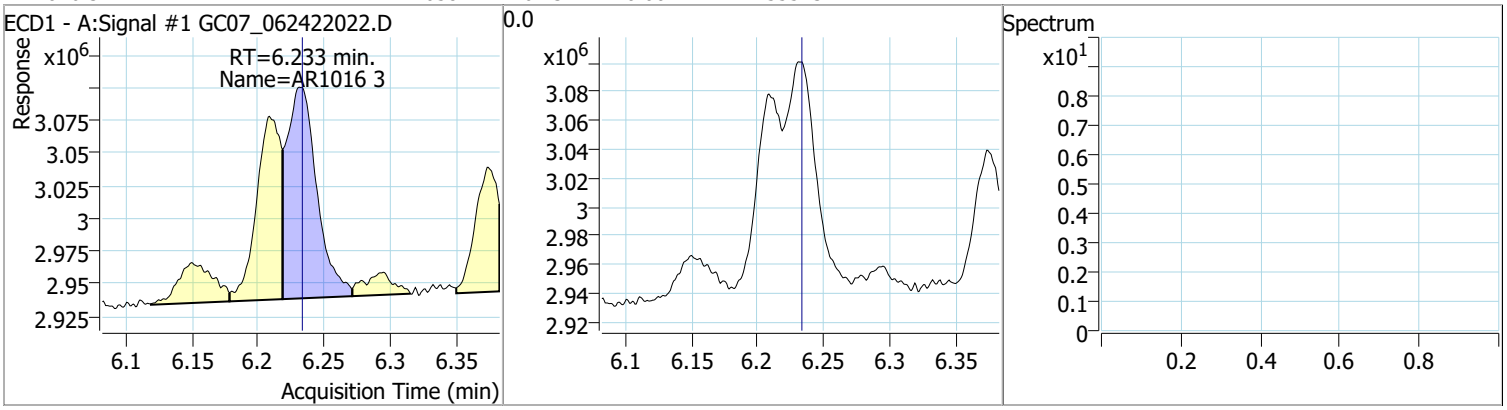
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	24.3329	5.76	0.00	217746				



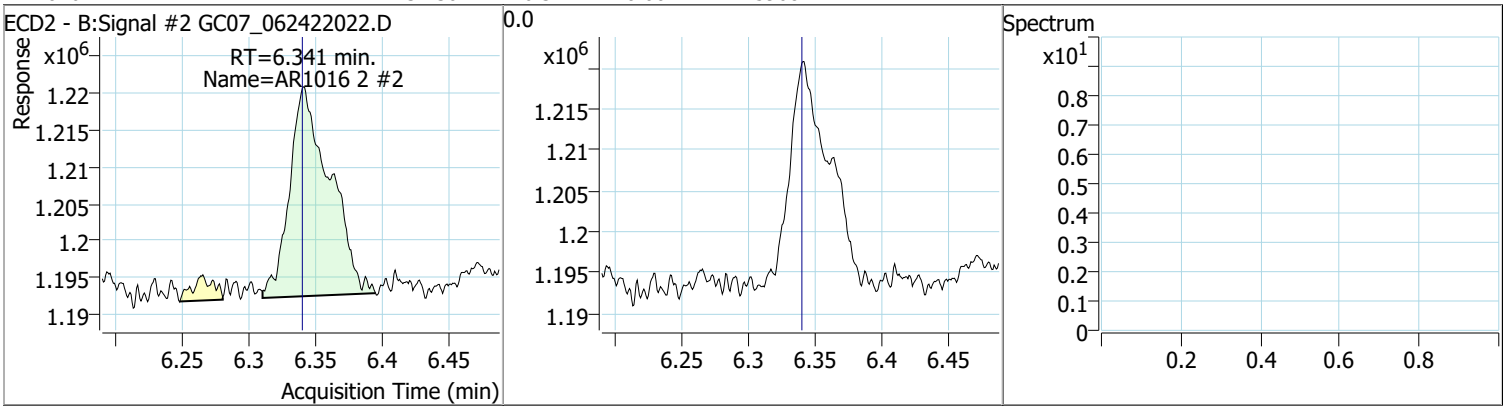
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	23.5260	5.90	0.00	27171 (m)				



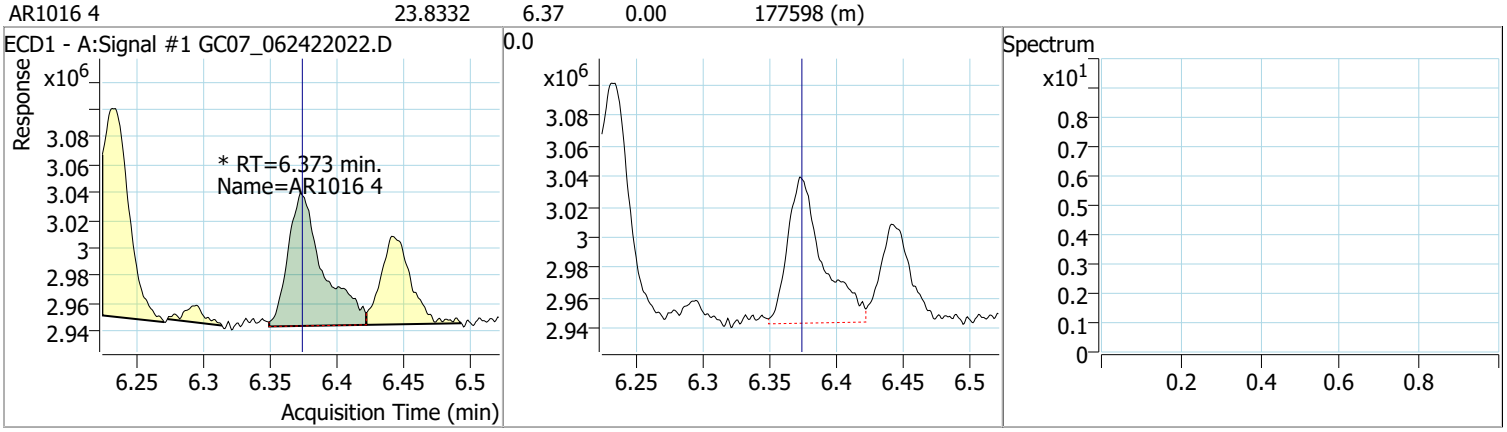
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	24.6587	6.23	0.00	255523				



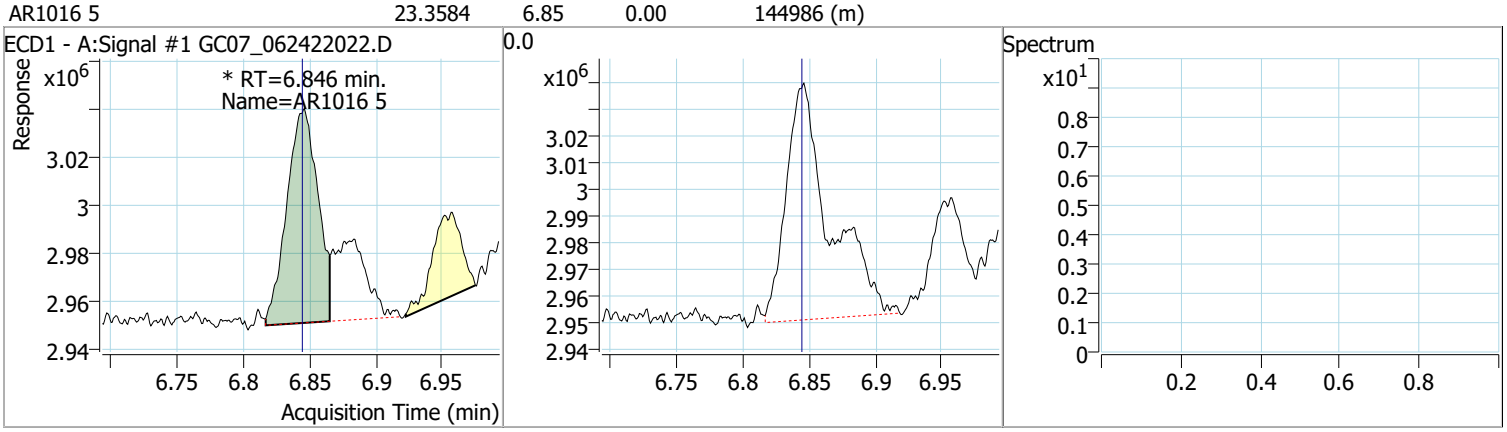
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	23.7307	6.34	0.00	59681				



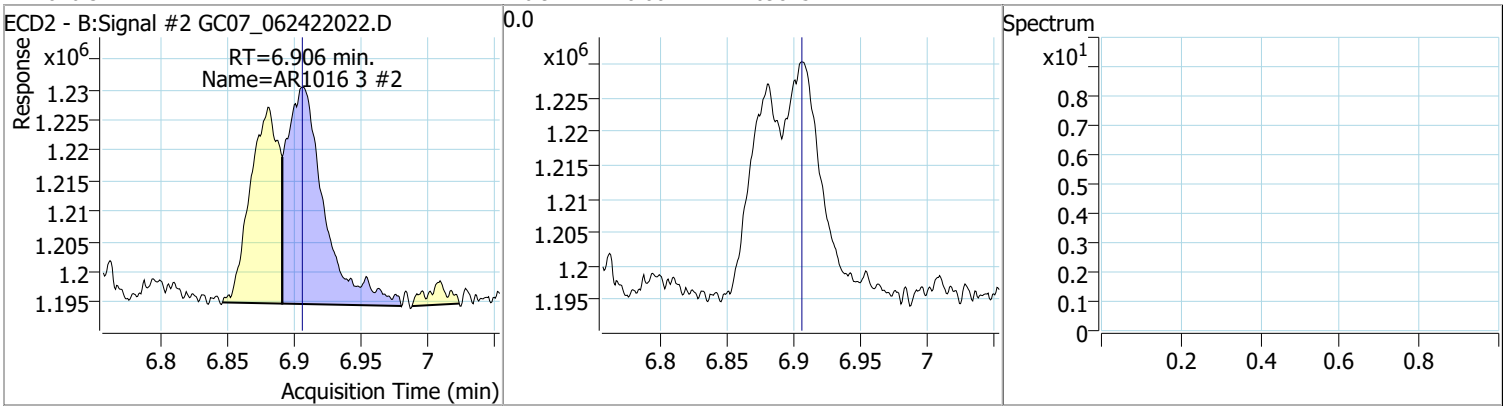
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	23.8332	6.37	0.00	177598 (m)				



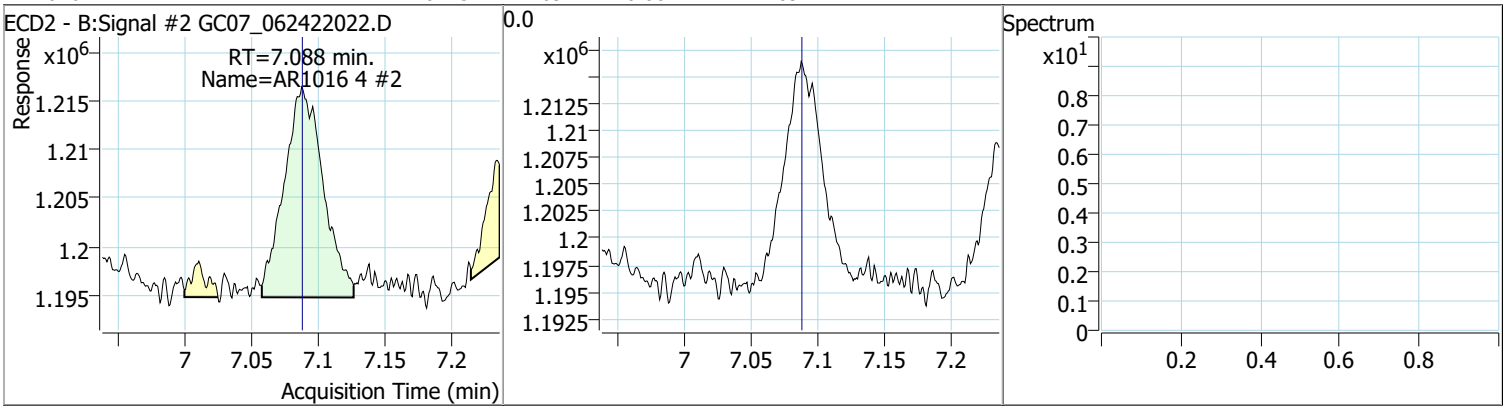
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	23.3584	6.85	0.00	144986 (m)				



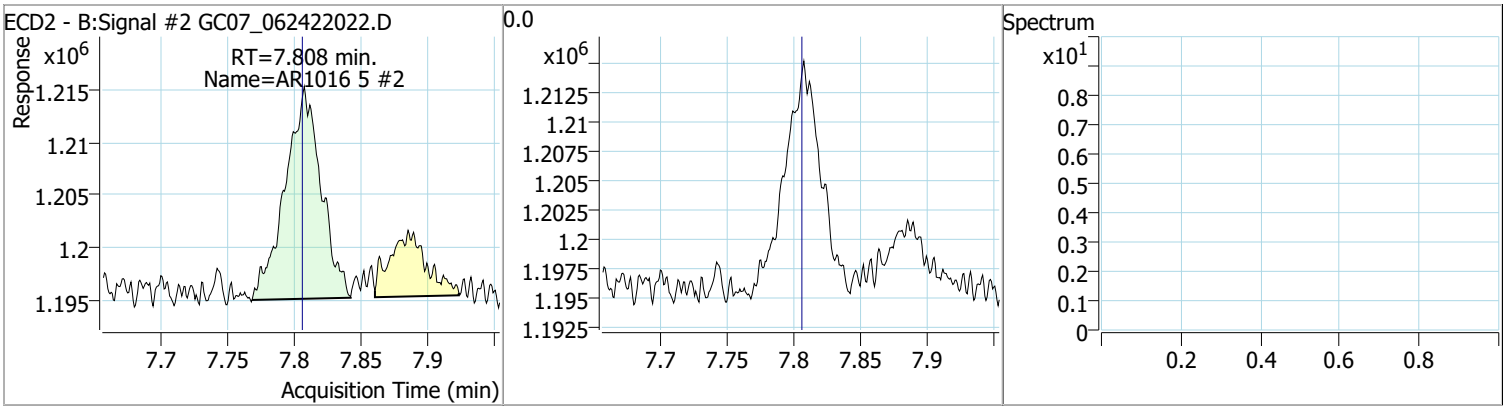
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	24.2114	6.91	0.00	69845				



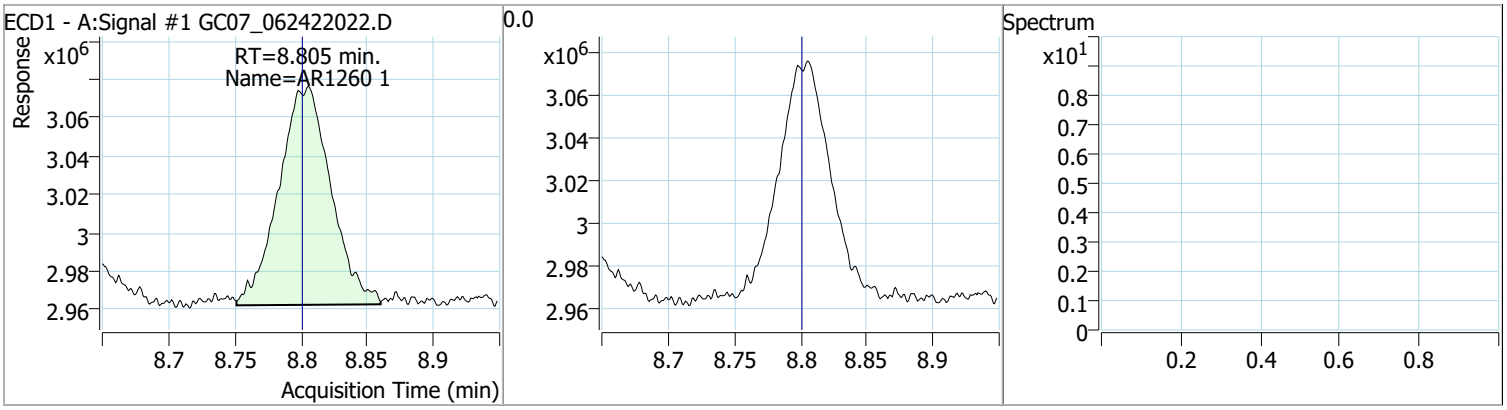
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	22.0245	7.09	0.00	44097				



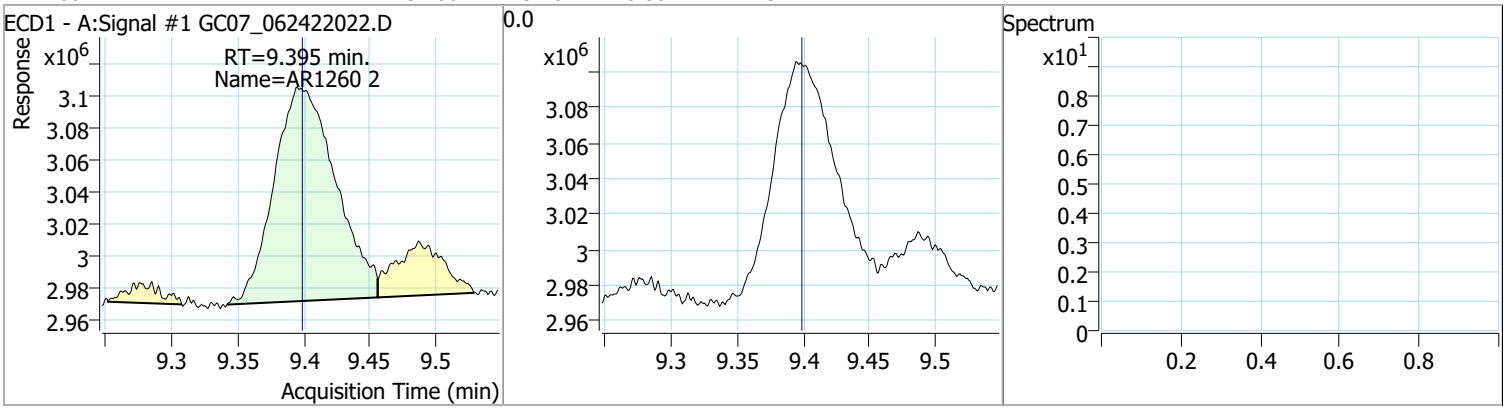
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	22.5363	7.81	0.00	37692				



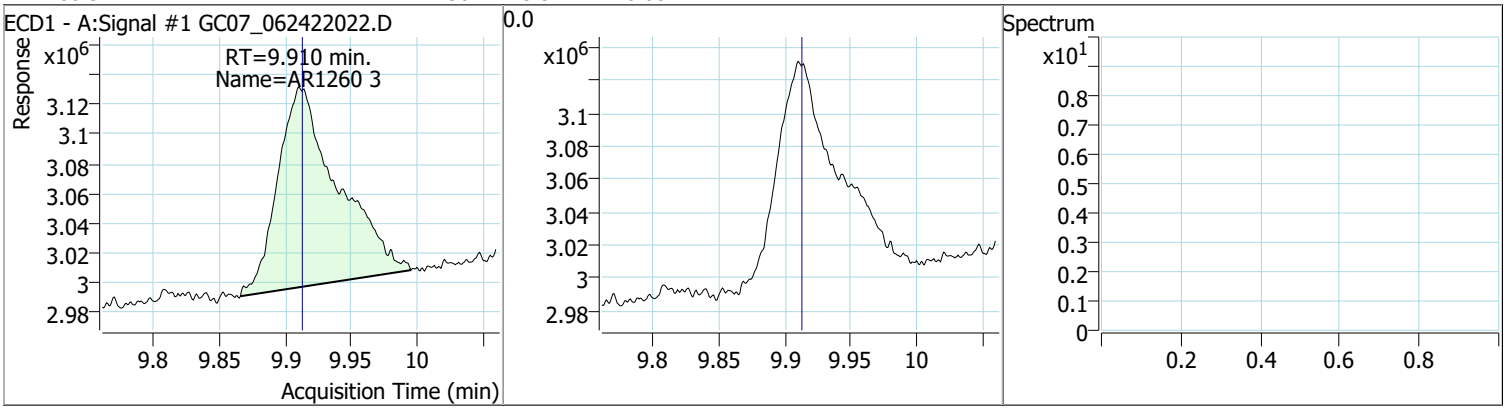
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	23.8666	8.81	0.01	312836				



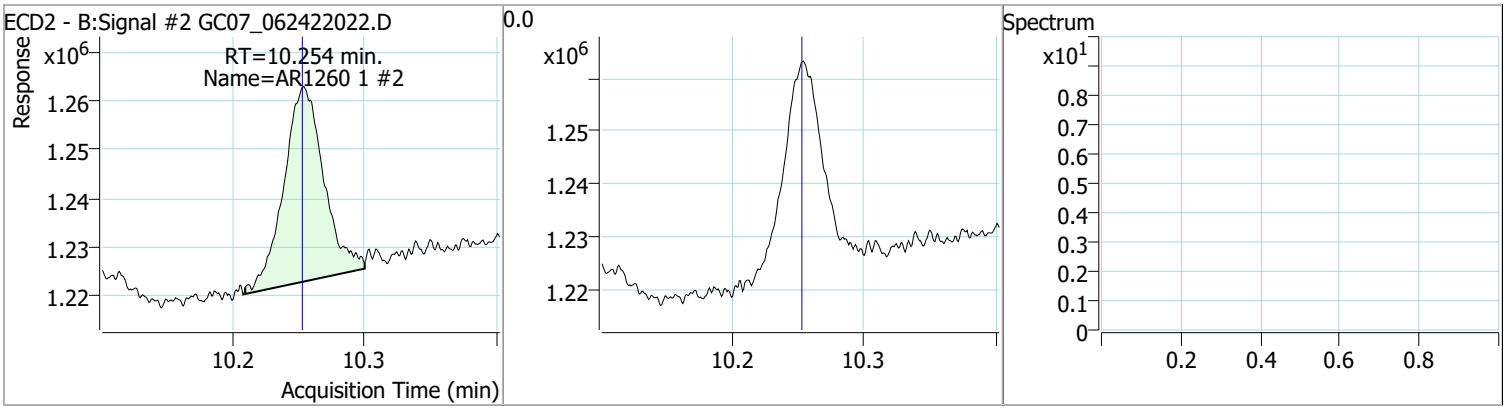
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	23.1062	9.40	0.00	434771				



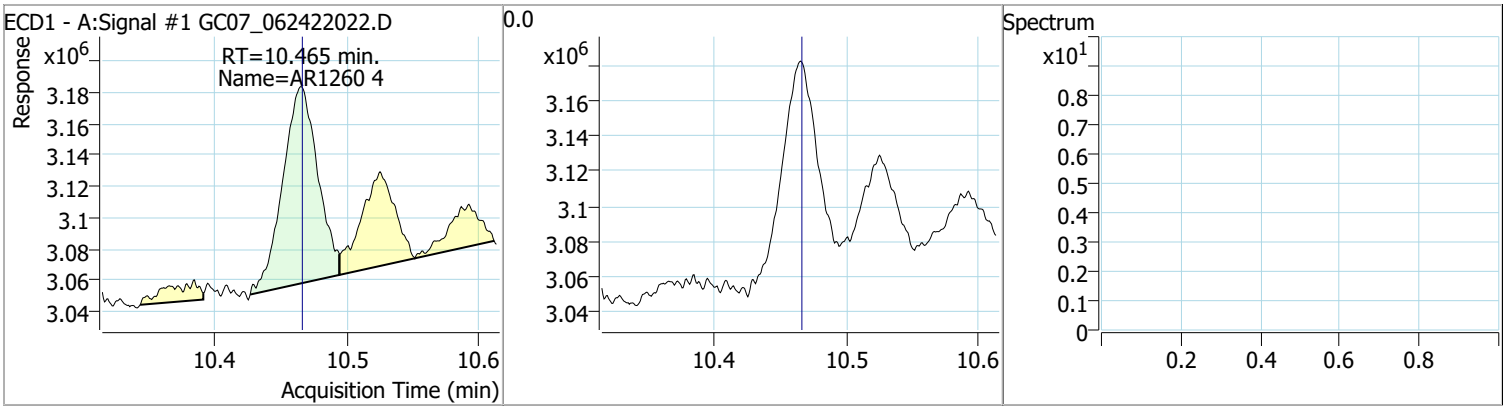
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	22.2736	9.91	0.00	424712				



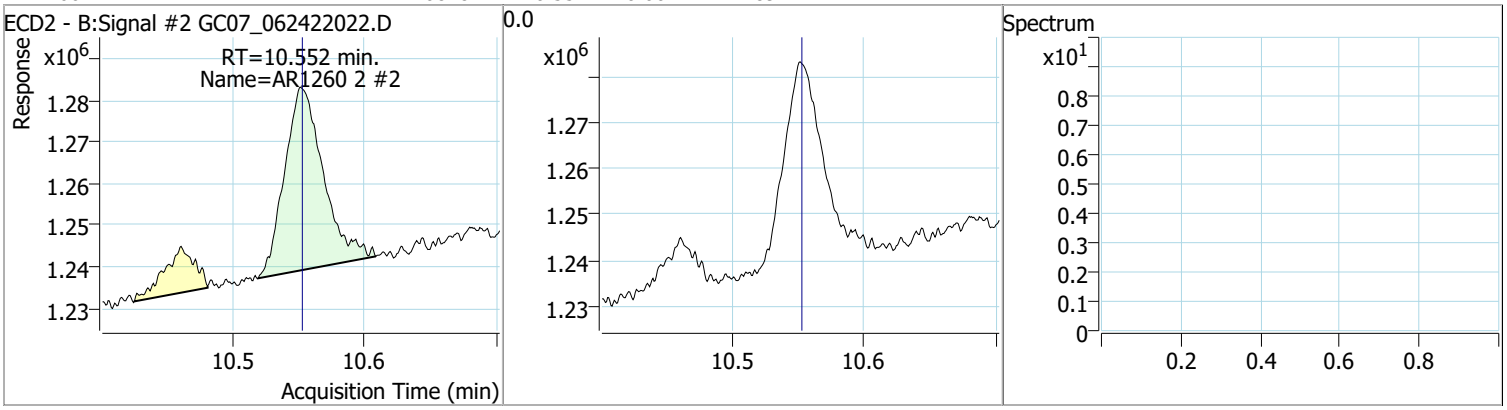
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	23.3914	10.25	0.00	84960				



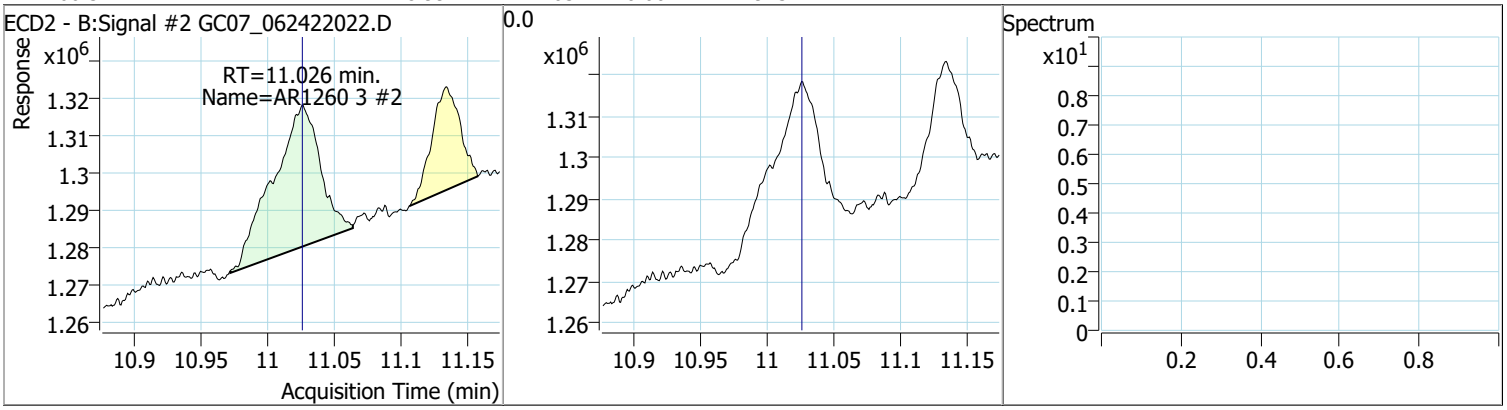
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	23.7836	10.47	0.00	231835				



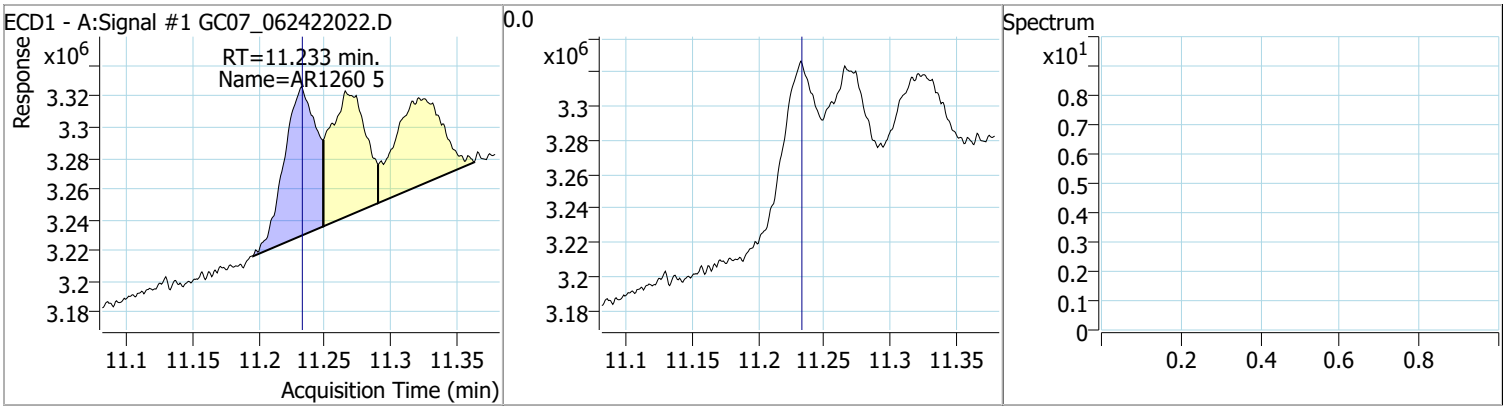
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	22.0828	10.55	0.00	89111				



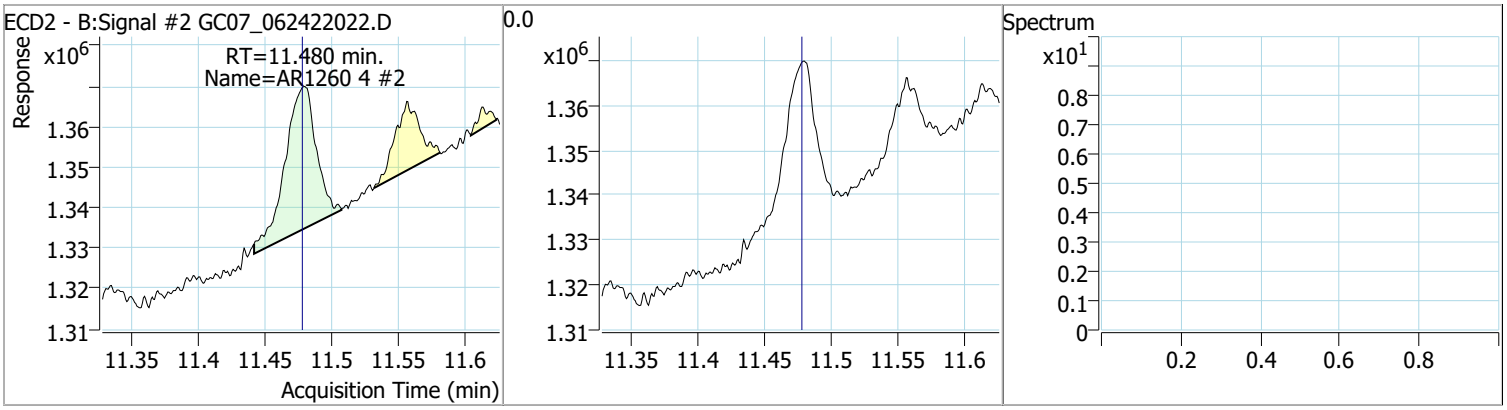
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	18.9942	11.03	0.00	94342				



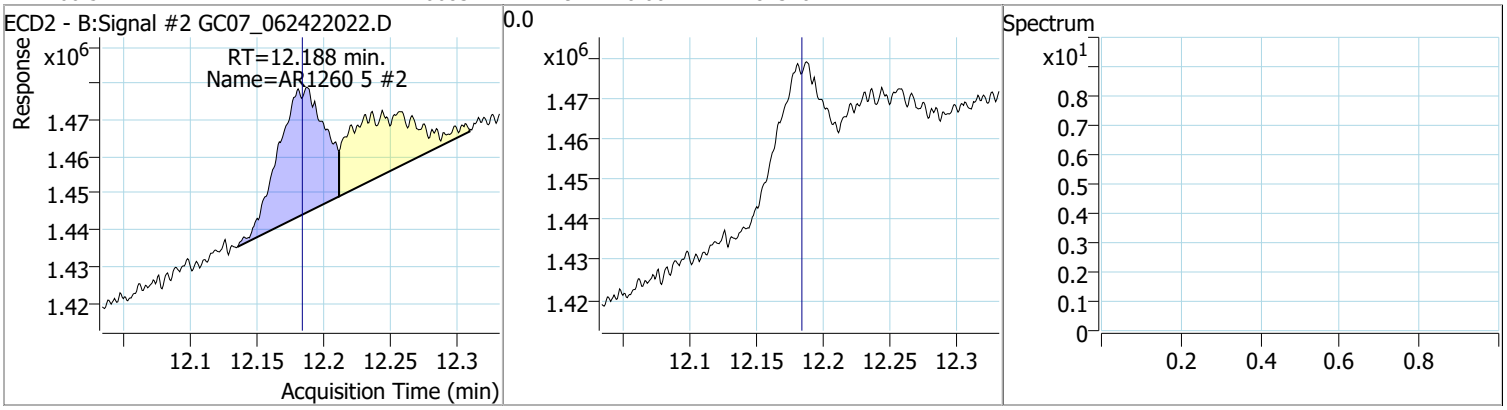
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	18.2491	11.23	0.00	163315				



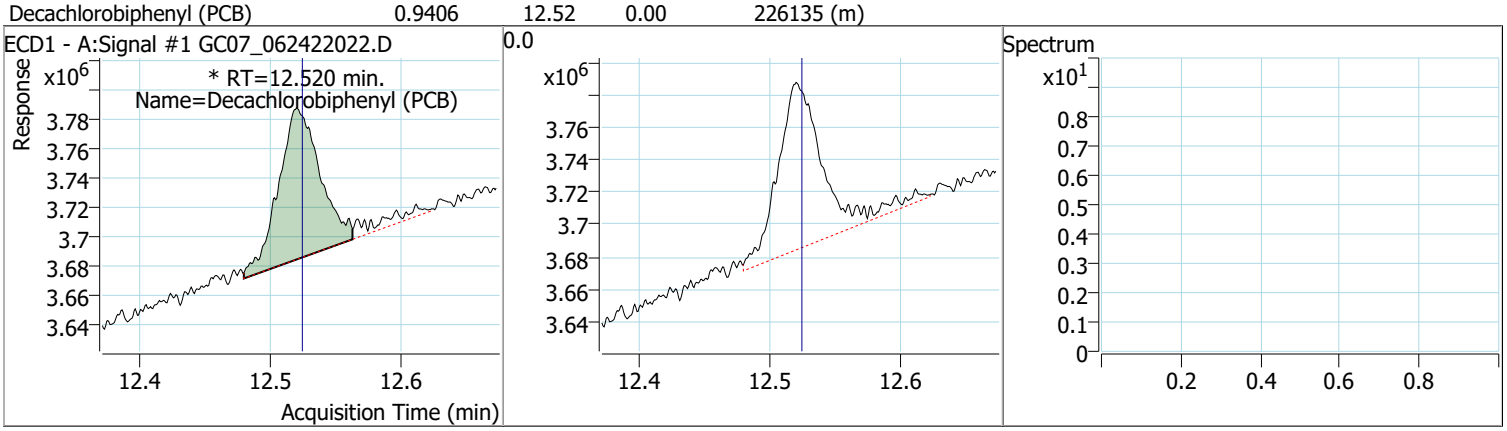
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	20.8410	11.48	0.00	58078				



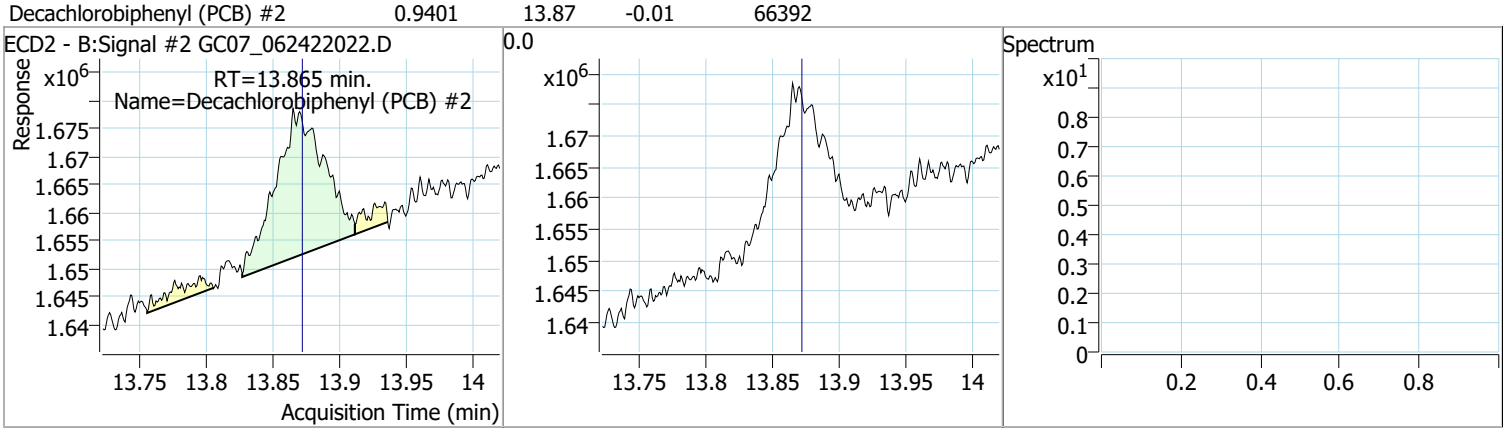
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	21.0683	12.19	0.00	84370				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	0.9406	12.52	0.00	226135 (m)				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	0.9401	13.87	-0.01	66392				

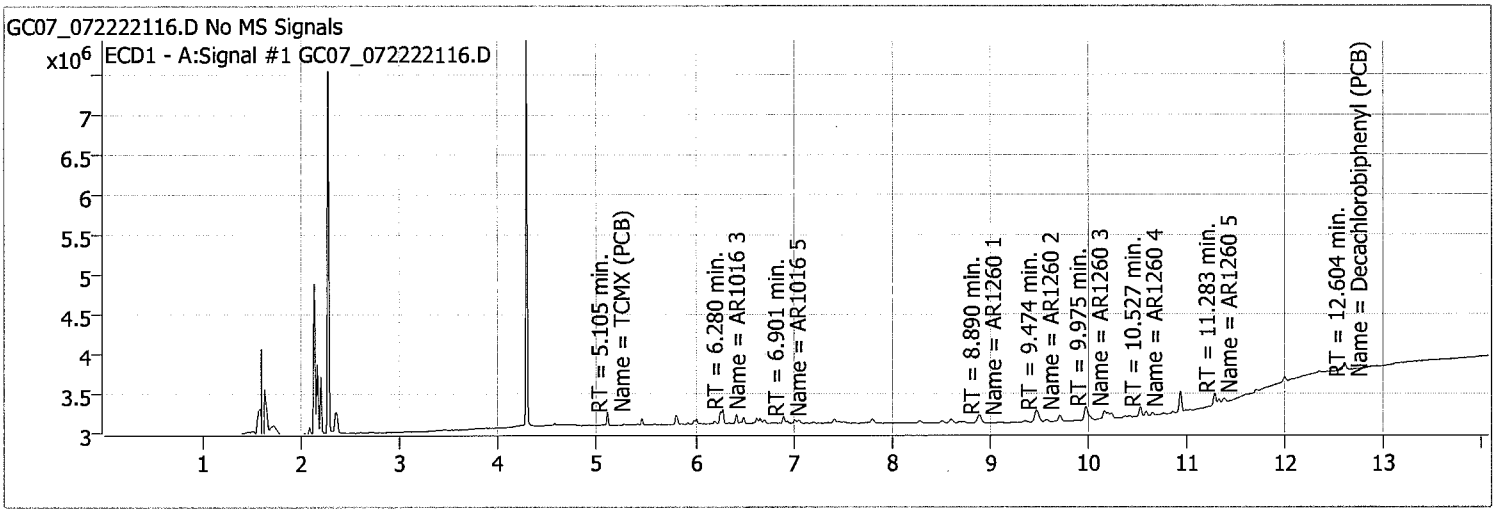


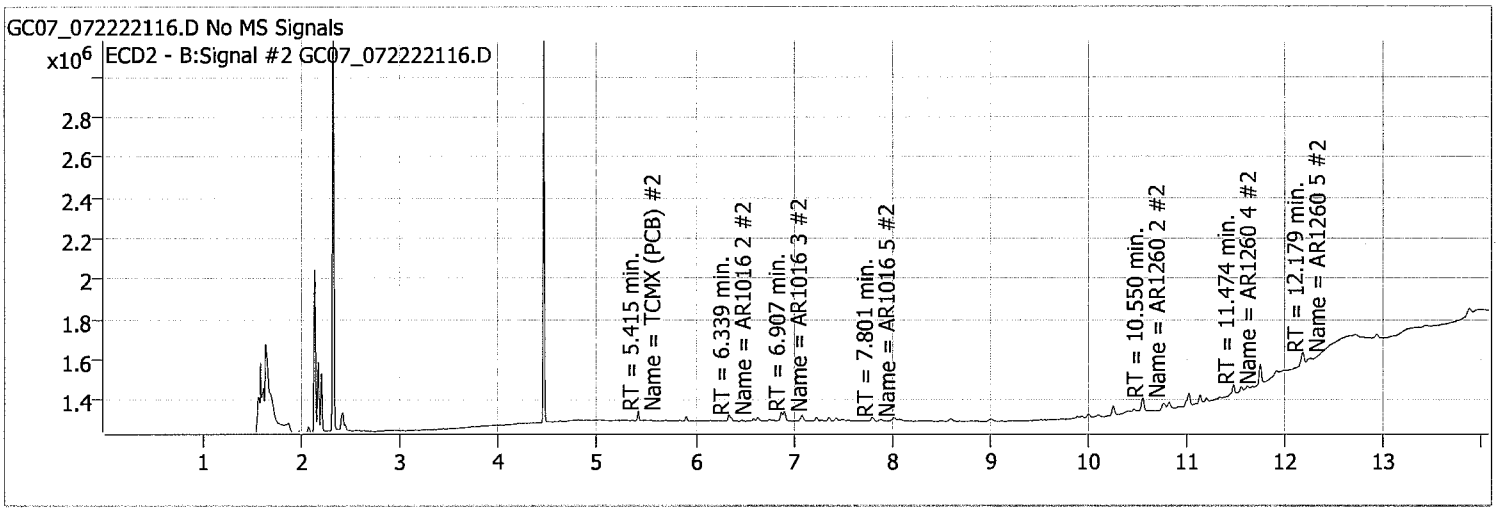
GC07 ICAL Low Point

Quantitation Results Report (Not Reviewed)

Agilent

Data File	GC07_072222116.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/22/2022 7:50:39 PM
Sample Name	ICAL, S16726, 100	Instrument	SVOA-GC07
Vial	81	Multiplier	1.00
DA Method File	PCB_608_072222_GC07_1.m	Comment	20 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	072222PCBICAL.batch.bin	Last Calib Update	7/23/2022 5:05:17 PM
Ref Library			





Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	4547826.683	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.458	0.0	1660389.406	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.105	0.0	183231.551	0.8952	ng/ml	0.000
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~4.48%~~ 111.9% *		
S TCMX (PCB) #2	5.415	0.0	52490.406	0.7117	ng/ml	-0.001
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~3.56%~~ 88.96% *		
S Decachlorobiphenyl (PCB)	12.604	0.0	199322.071	0.9032	ng/ml	0.001
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~4.52%~~ 112.9% *		
S Decachlorobiphenyl (PCB) #2	13.878	0.0	92247.376	0.9186	ng/ml m	0.009
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~4.59%~~ 114.8% *		
Target Compounds						QValue
T AR1016 1	5.455	0.0	104371.052	24.4682	ng/ml	100
T AR1016 2	5.804	0.0	207744.079	0.0000	ng/ml	100
T AR1016 1 #2	5.903	0.0	29239.169	18.9344	ng/ml	100

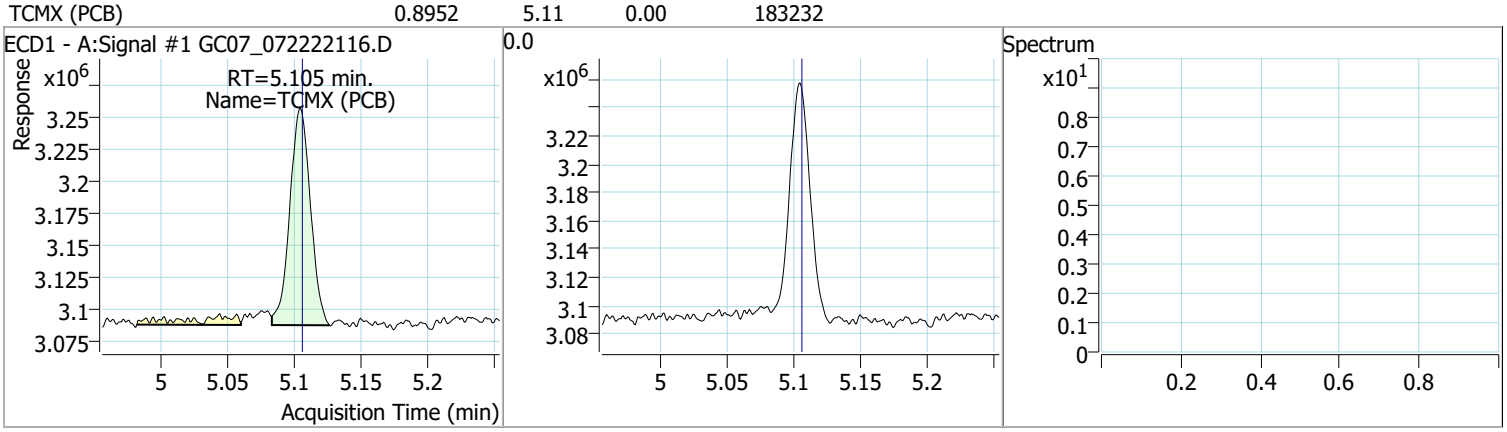
Spike = 0.8 dd 12/22/22

dd 12/22/22

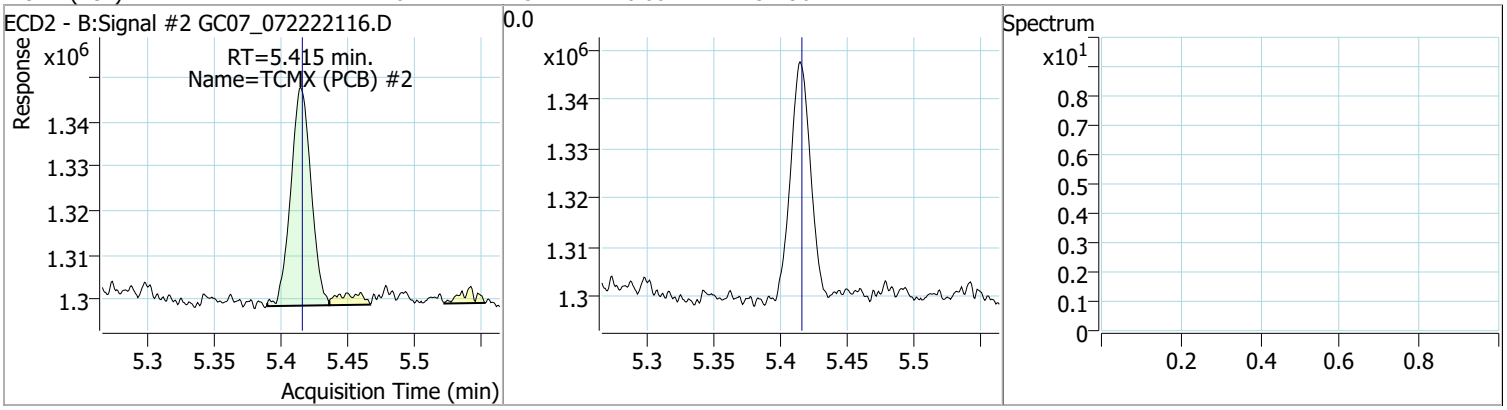
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 3	6.280	0.0	246585.067	23.6740	ng/ml	100
T AR1016 2 #2	6.339	0.0	69834.601	20.7633	ng/ml	100
T AR1016 4	6.418	0.0	175354.273	24.4588	ng/ml	100
T AR1016 5	6.901	0.0	136561.869	22.3150	ng/ml	100
T AR1016 3 #2	6.907	0.0	80399.784	19.7125	ng/ml	100
T AR1016 4 #2	7.088	0.0	59397.669	20.1941	ng/ml	100
T AR1016 5 #2	7.801	0.0	42759.255	18.6750	ng/ml	100
T AR1260 1	8.890	0.0	317355.820	0.0000	ng/ml	100
T AR1260 2	9.474	0.0	466190.365	23.2396	ng/ml	100
T AR1260 3	9.975	0.0	450724.468	23.1760	ng/ml	100
T AR1260 1 #2	10.251	0.0	83478.164	17.2126	ng/ml	100
T AR1260 4	10.527	0.0	217543.811	23.1538	ng/ml	100
T AR1260 2 #2	10.550	0.0	138551.323	24.1248	ng/ml	100
T AR1260 3 #2	11.022	0.0	140257.864	18.7568	ng/ml	100
T AR1260 5	11.283	0.0	252730.222	21.6069	ng/ml	100
T AR1260 4 #2	11.474	0.0	77933.193	19.1373	ng/ml	100
T AR1260 5 #2	12.179	0.0	104647.128	16.6442	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

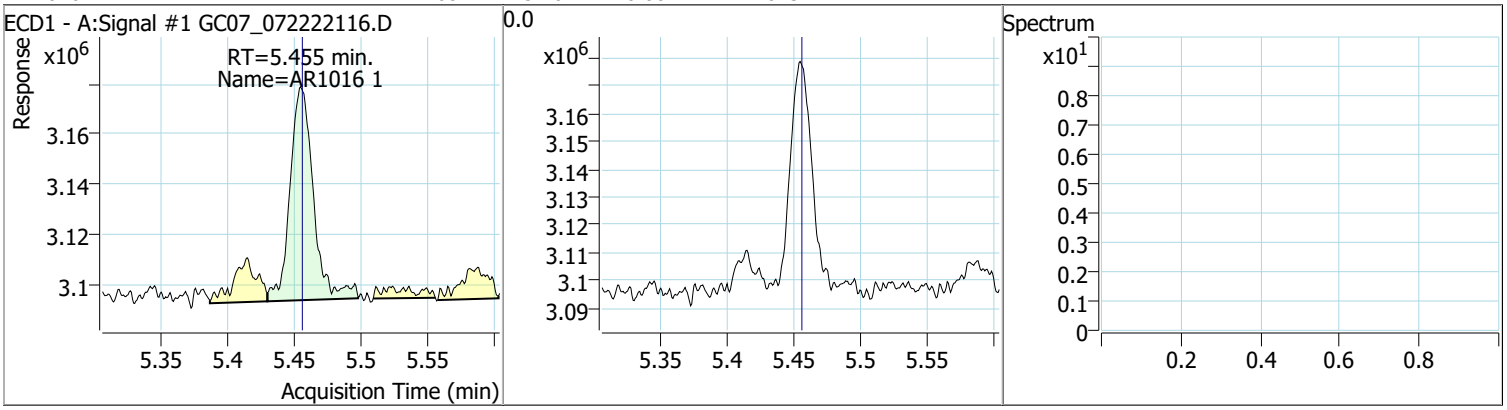
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	0.8952	5.11	0.00	183232				



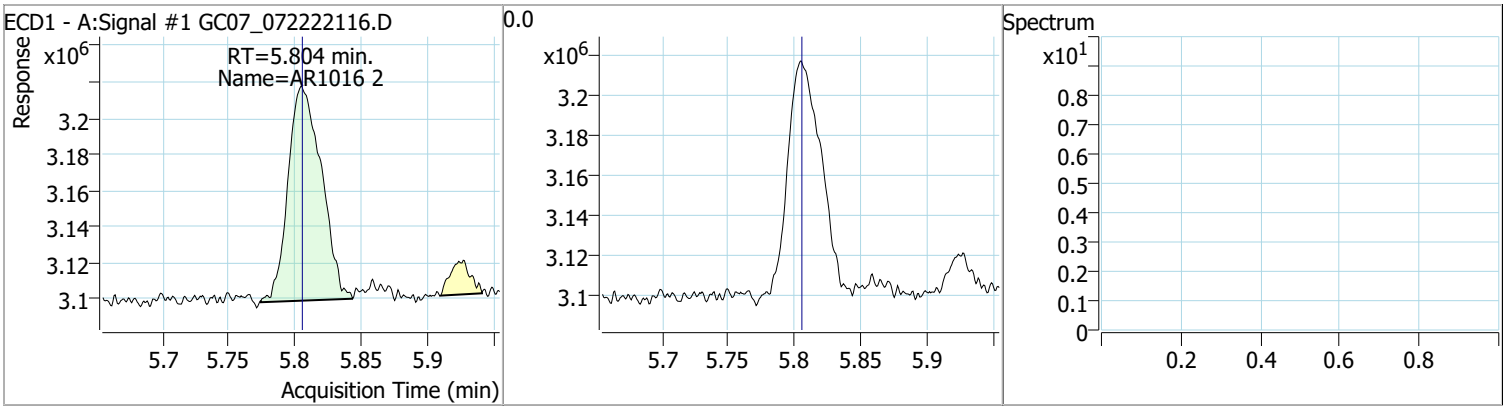
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	0.7117	5.42	0.00	52490				



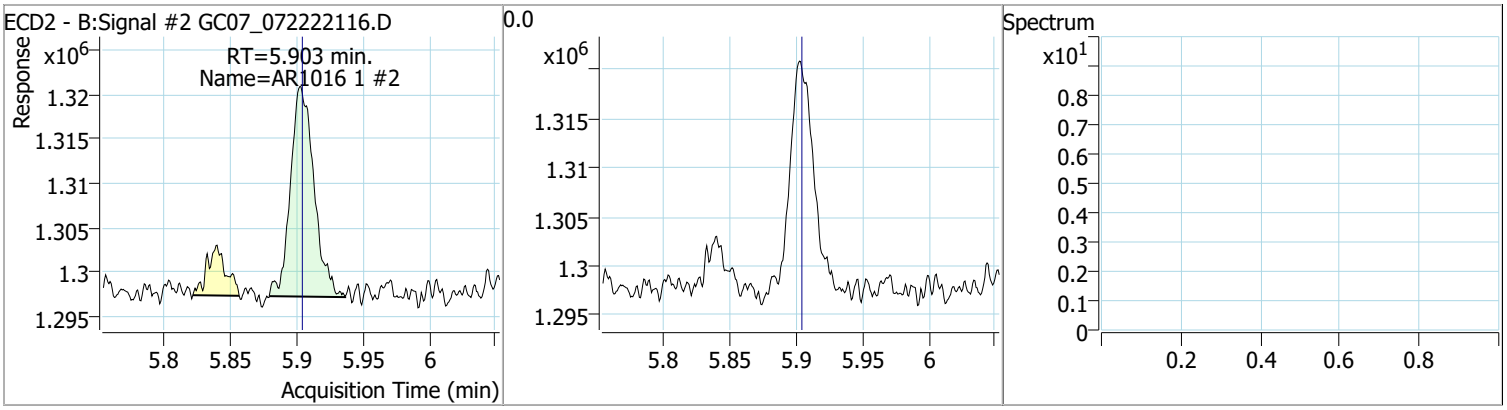
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	24.4682	5.46	0.00	104371				



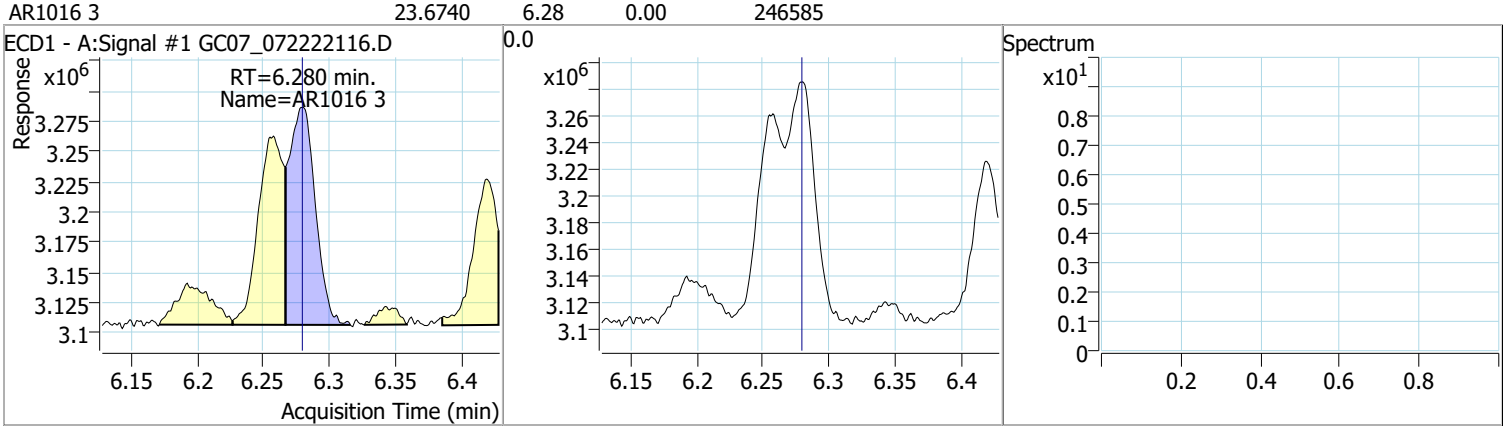
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.80	0.00	207744				



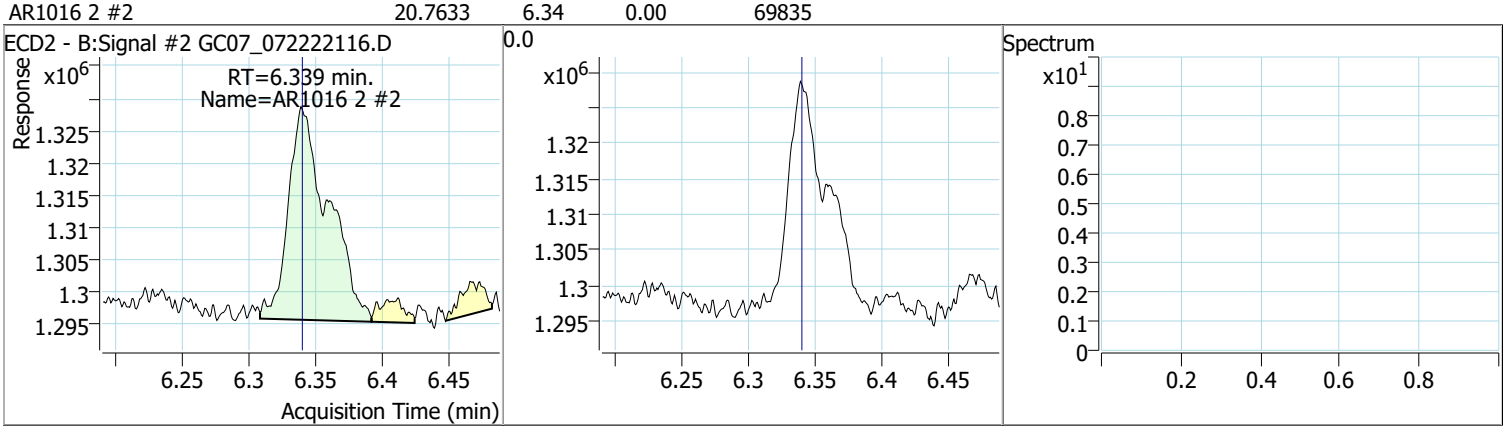
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	18.9344	5.90	0.00	29239				



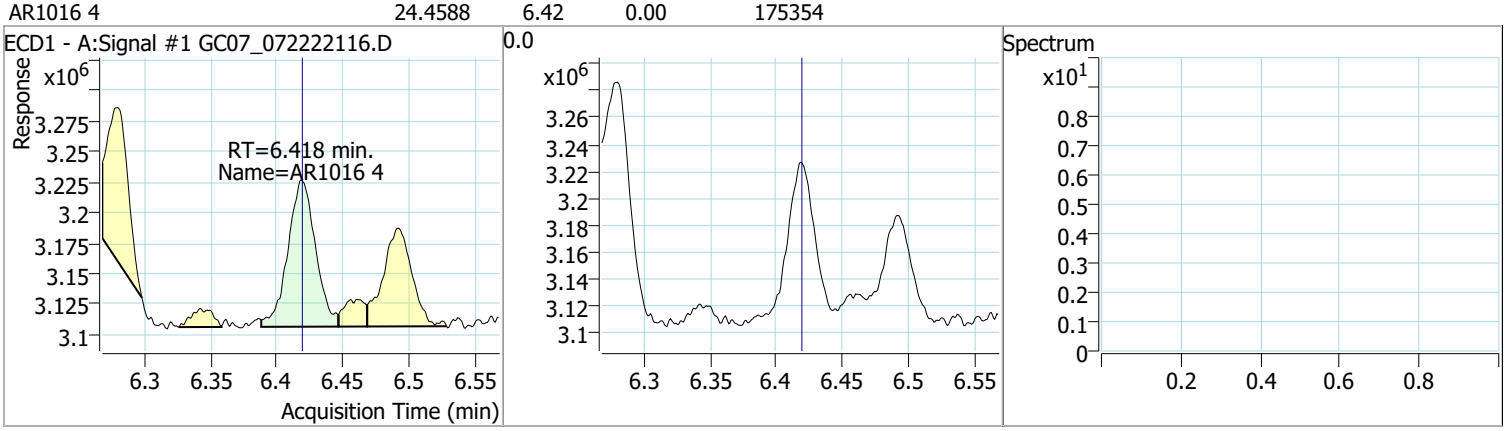
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	23.6740	6.28	0.00	246585				



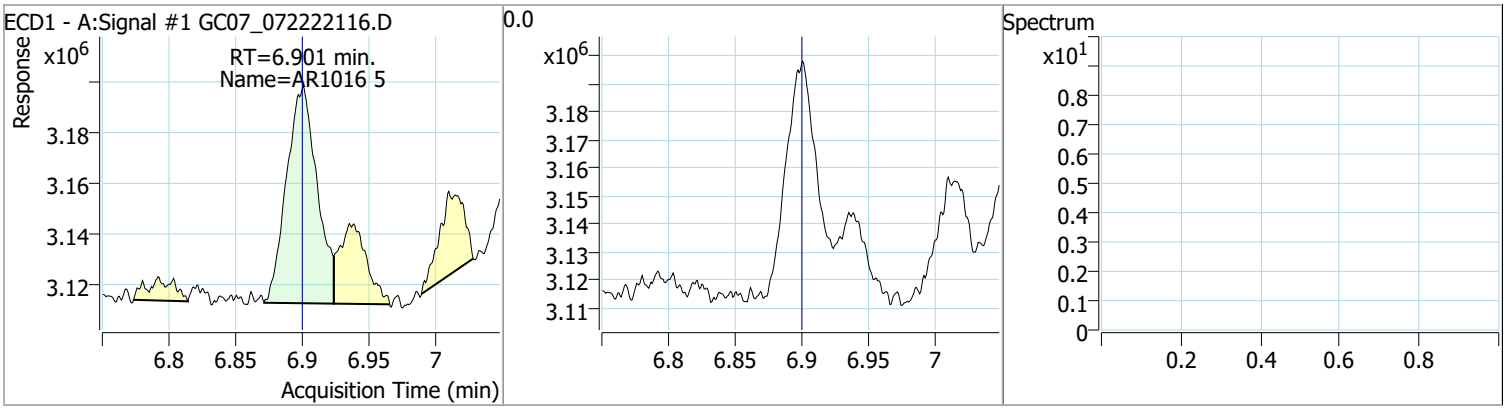
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	20.7633	6.34	0.00	69835				



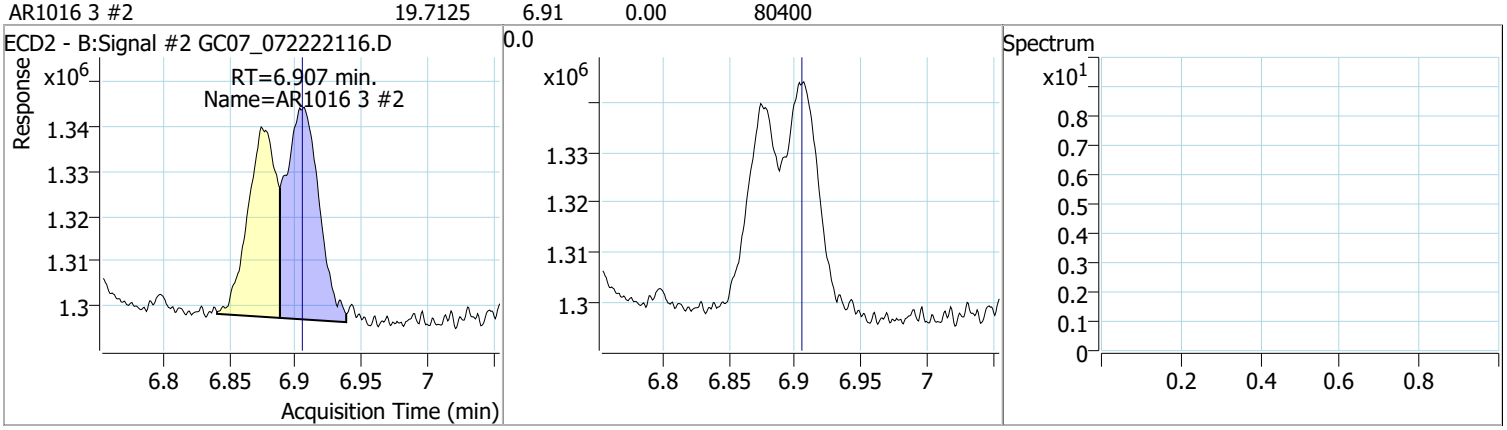
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	24.4588	6.42	0.00	175354				



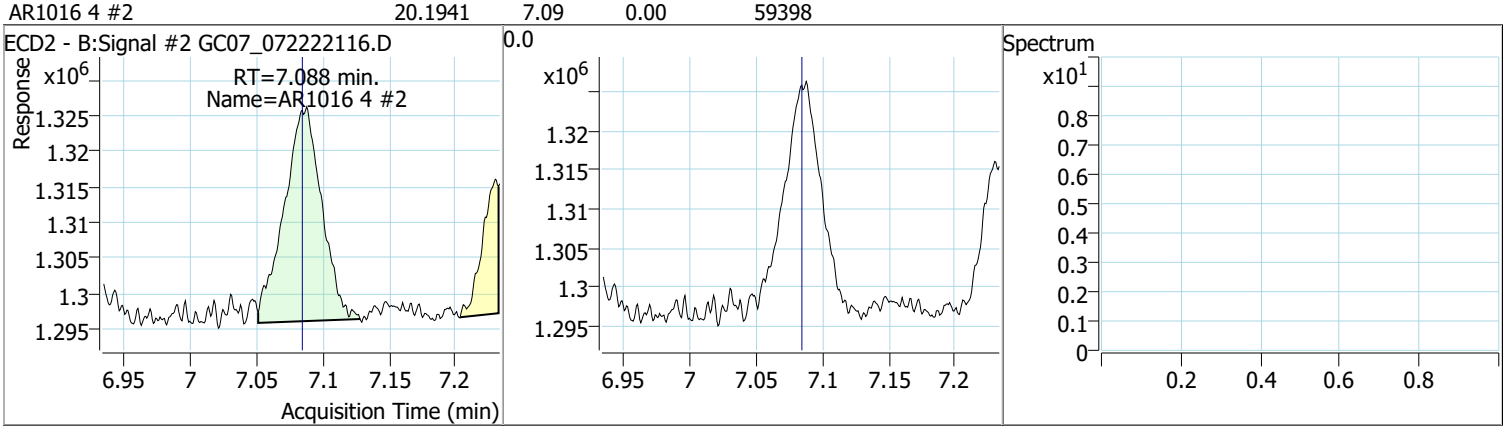
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	22.3150	6.90	0.00	136562				



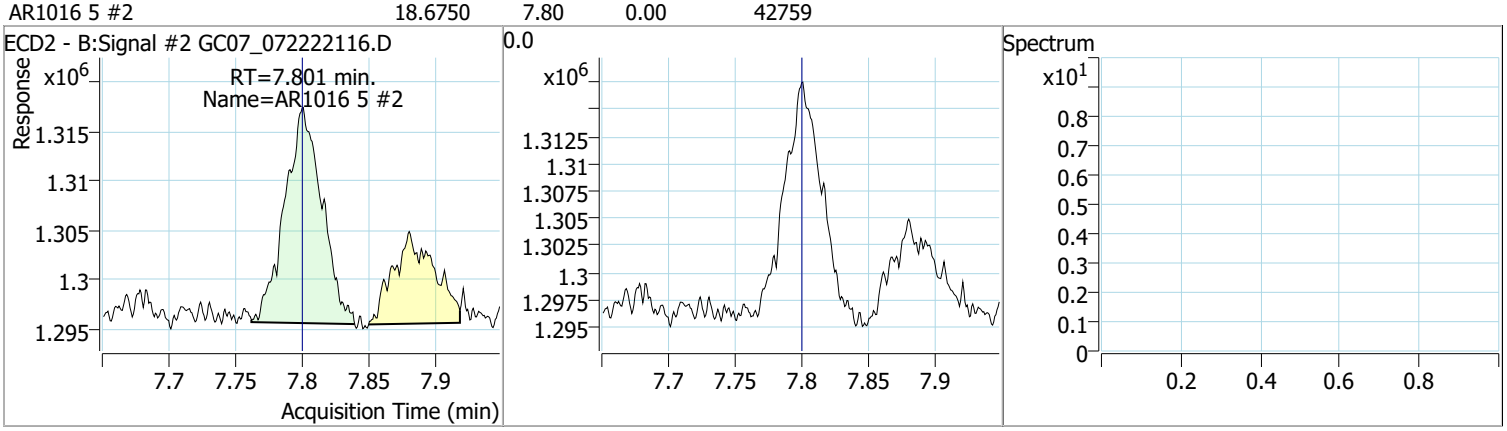
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	19.7125	6.91	0.00	80400				



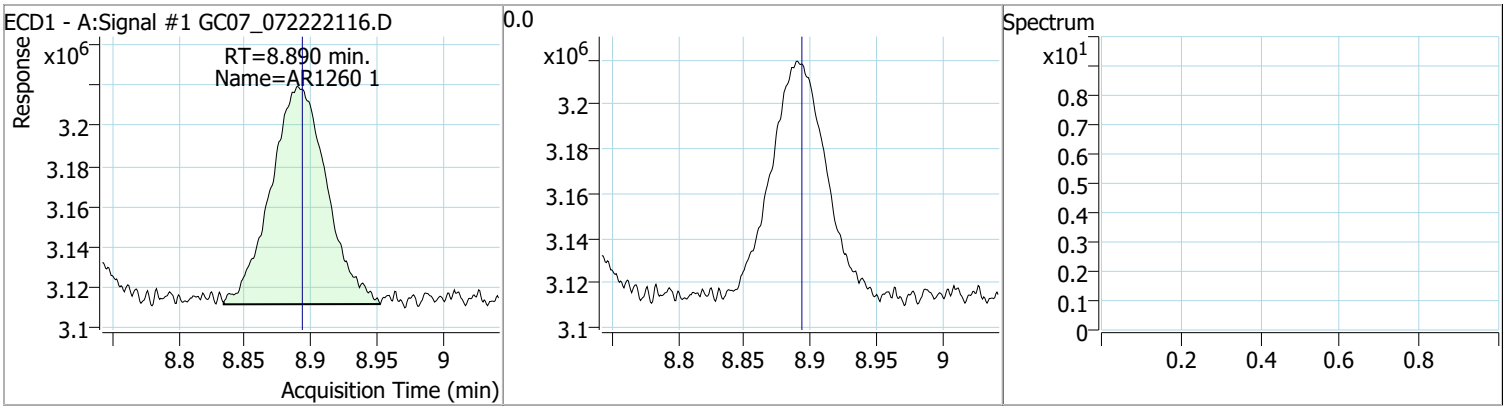
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	20.1941	7.09	0.00	59398				



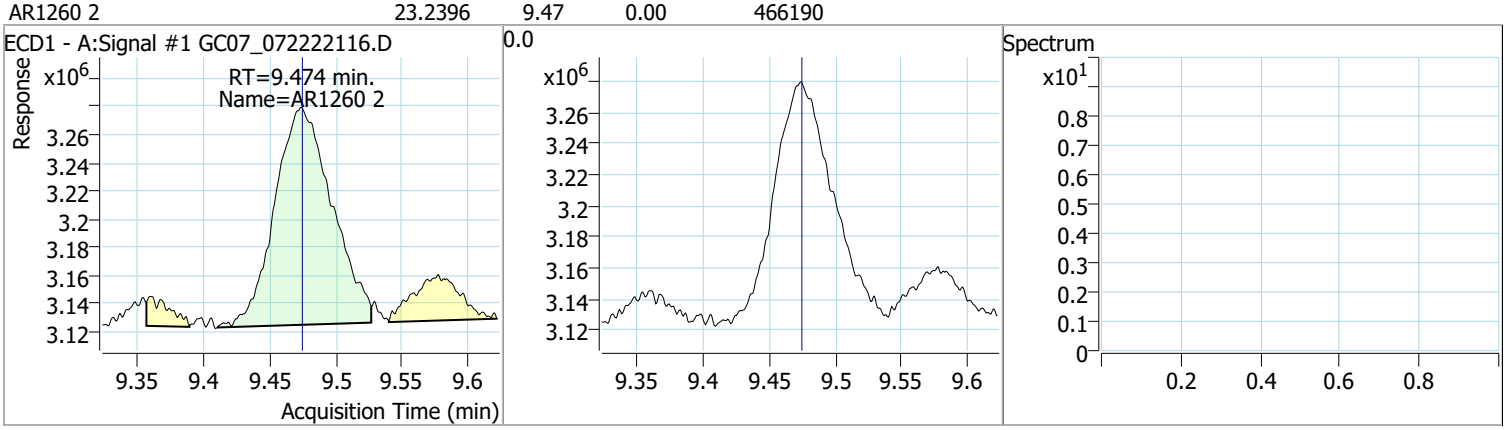
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	18.6750	7.80	0.00	42759				



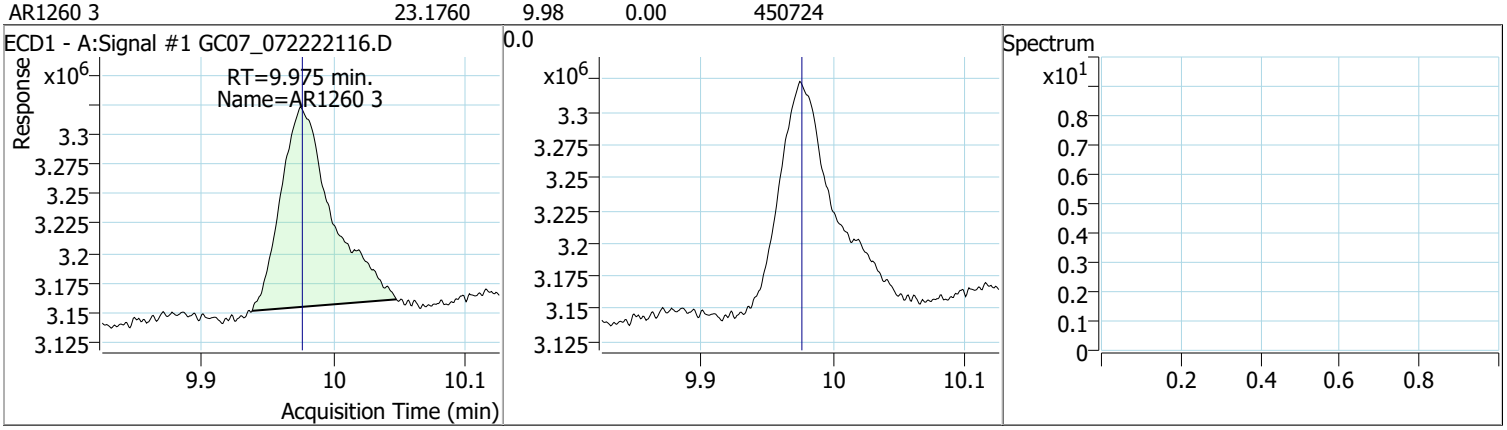
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	0.0000	8.89	0.00	317356				



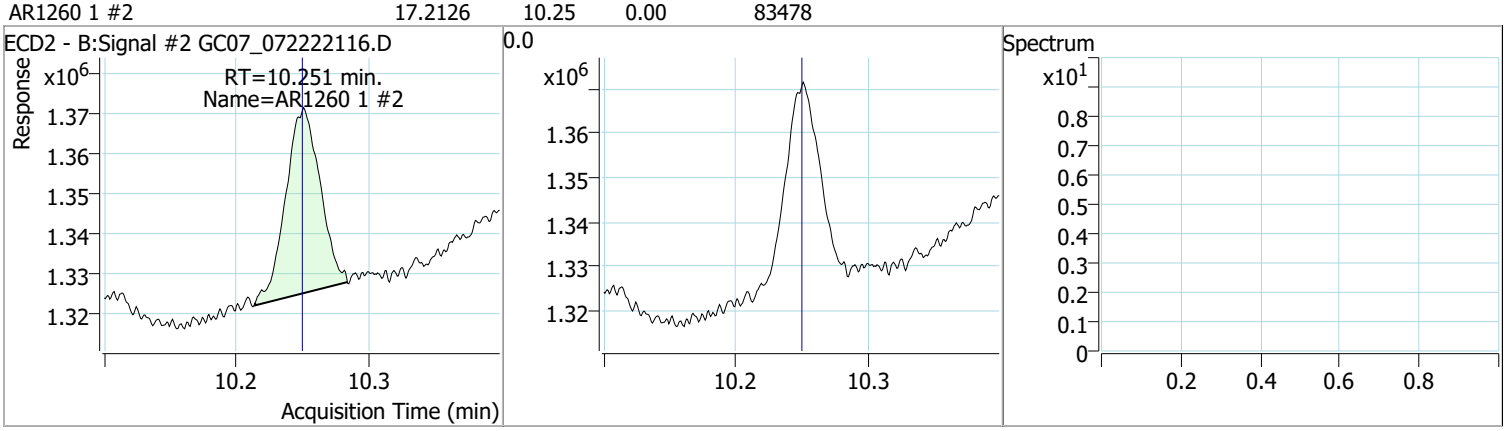
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	23.2396	9.47	0.00	466190				



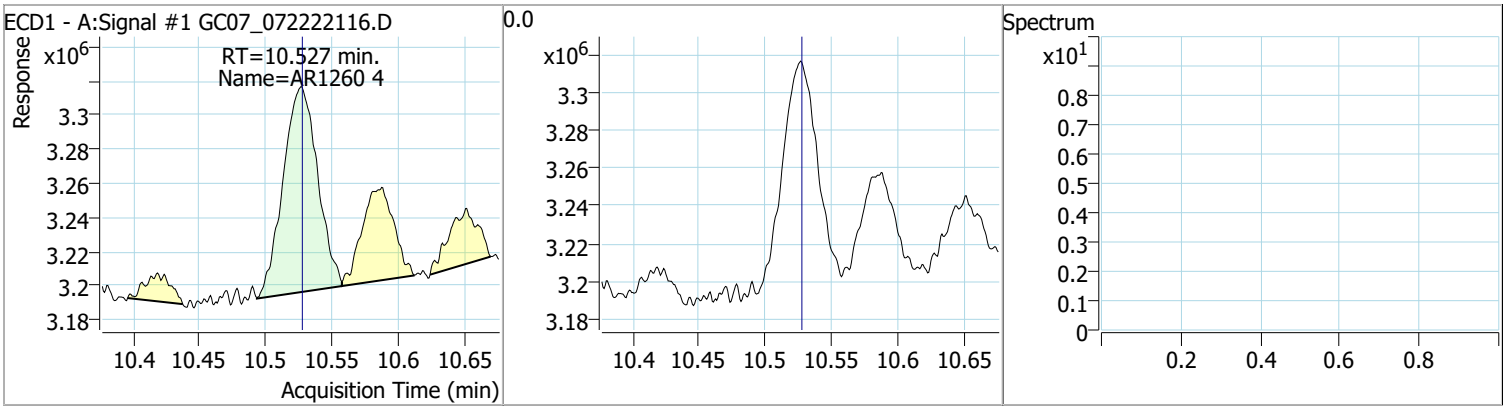
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	23.1760	9.98	0.00	450724				



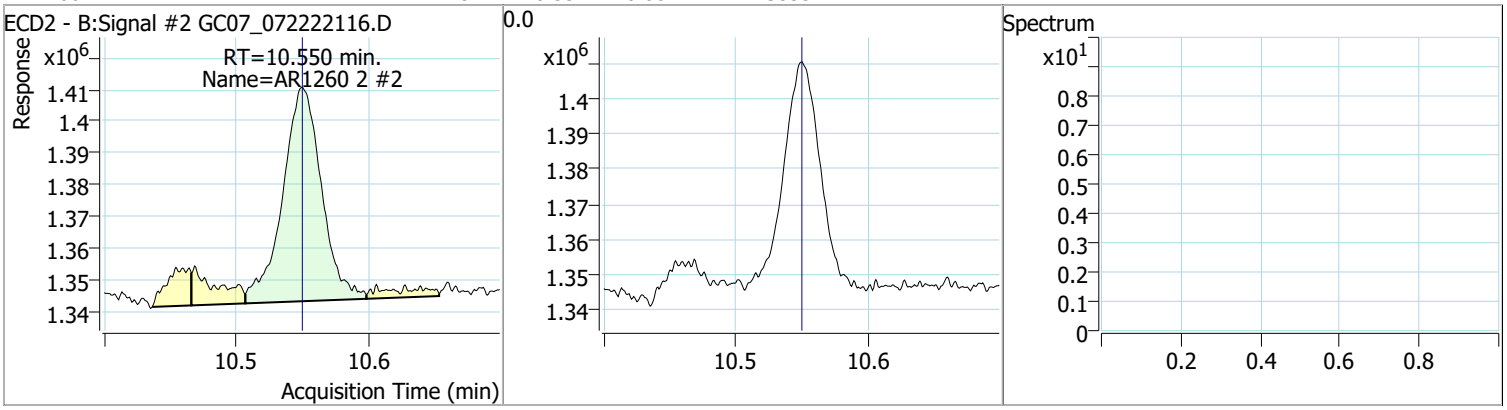
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	17.2126	10.25	0.00	83478				



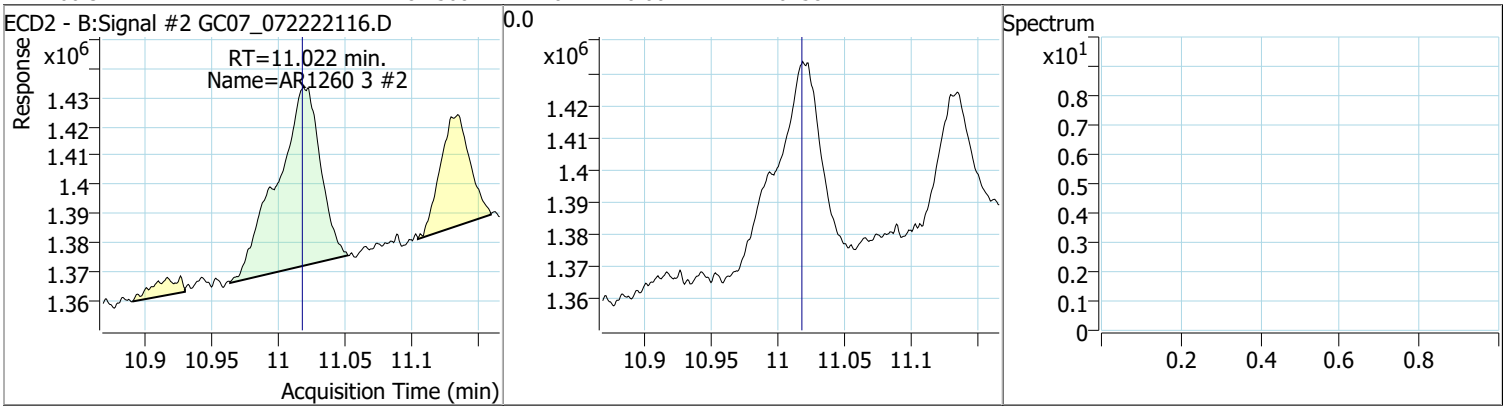
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	23.1538	10.53	0.00	217544				



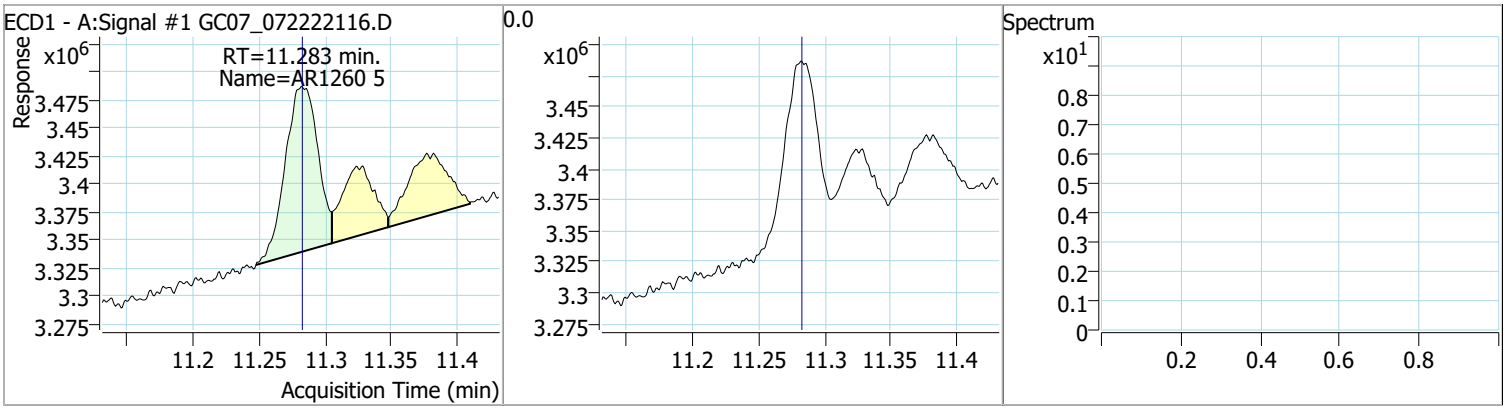
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	24.1248	10.55	0.00	138551				



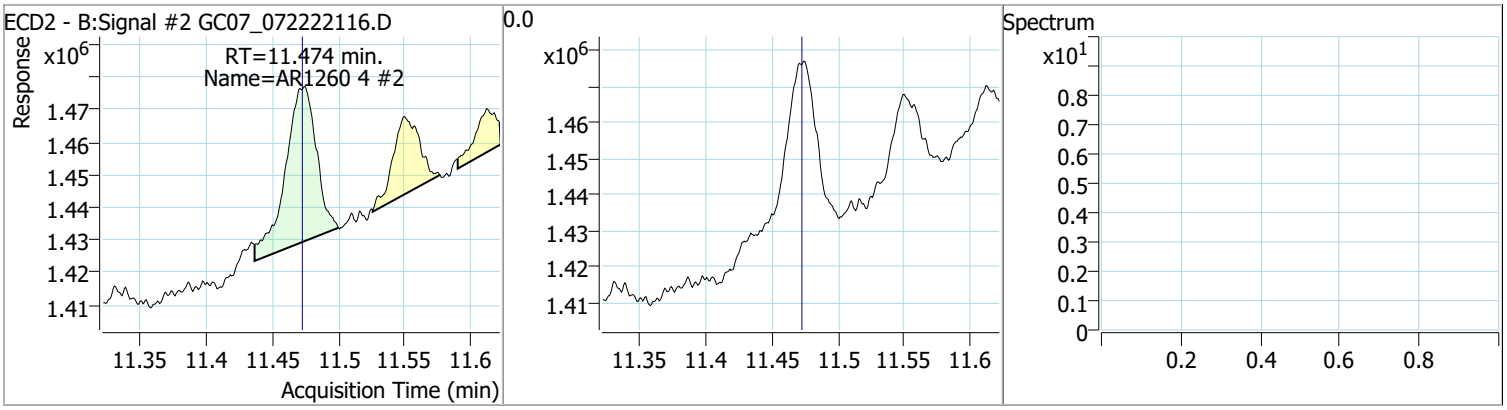
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	18.7568	11.02	0.00	140258				



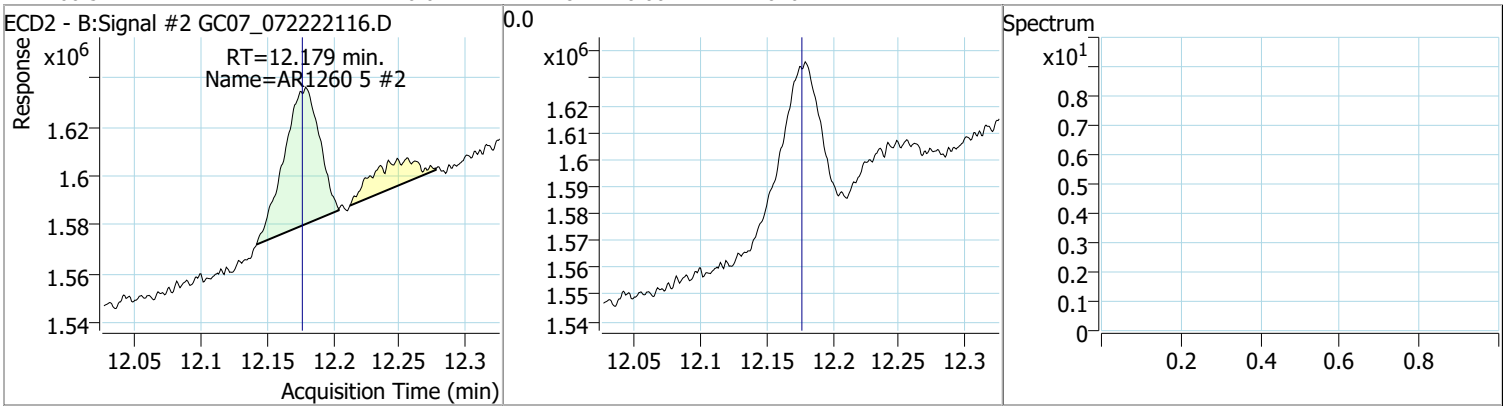
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	21.6069	11.28	0.00	252730				



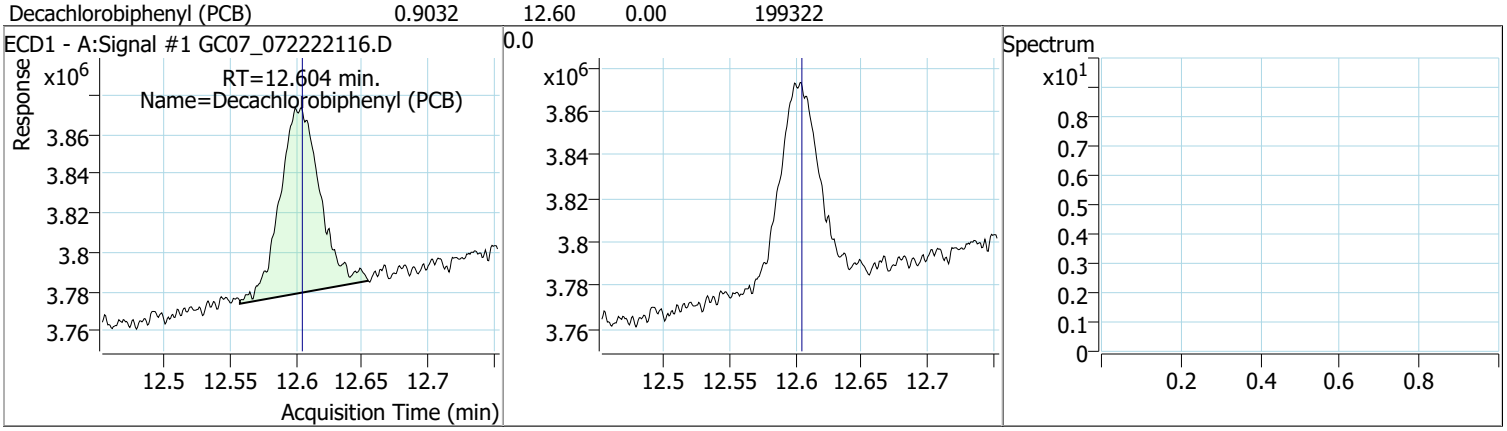
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	19.1373	11.47	0.00	77933				



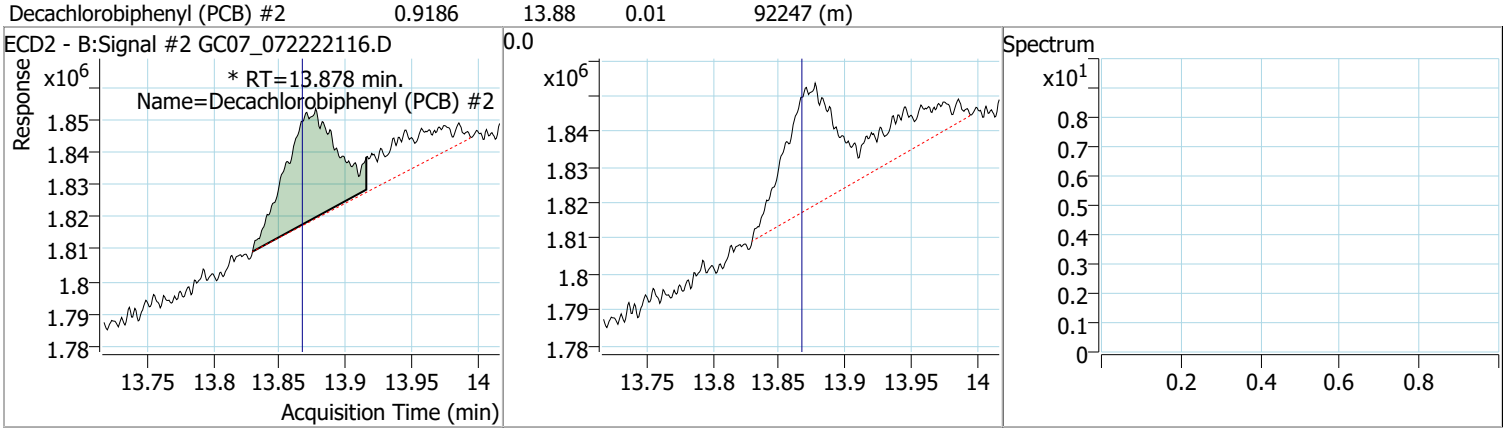
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	16.6442	12.18	0.00	104647				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	0.9032	12.60	0.00	199322				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	0.9186	13.88	0.01	92247 (m)				

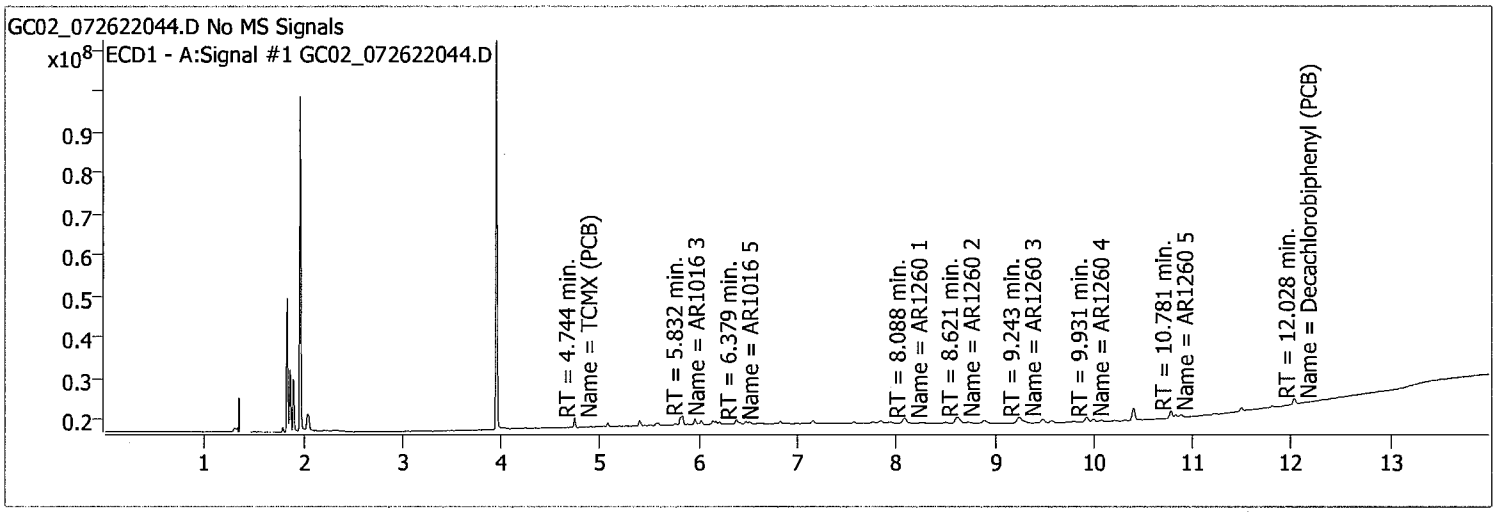


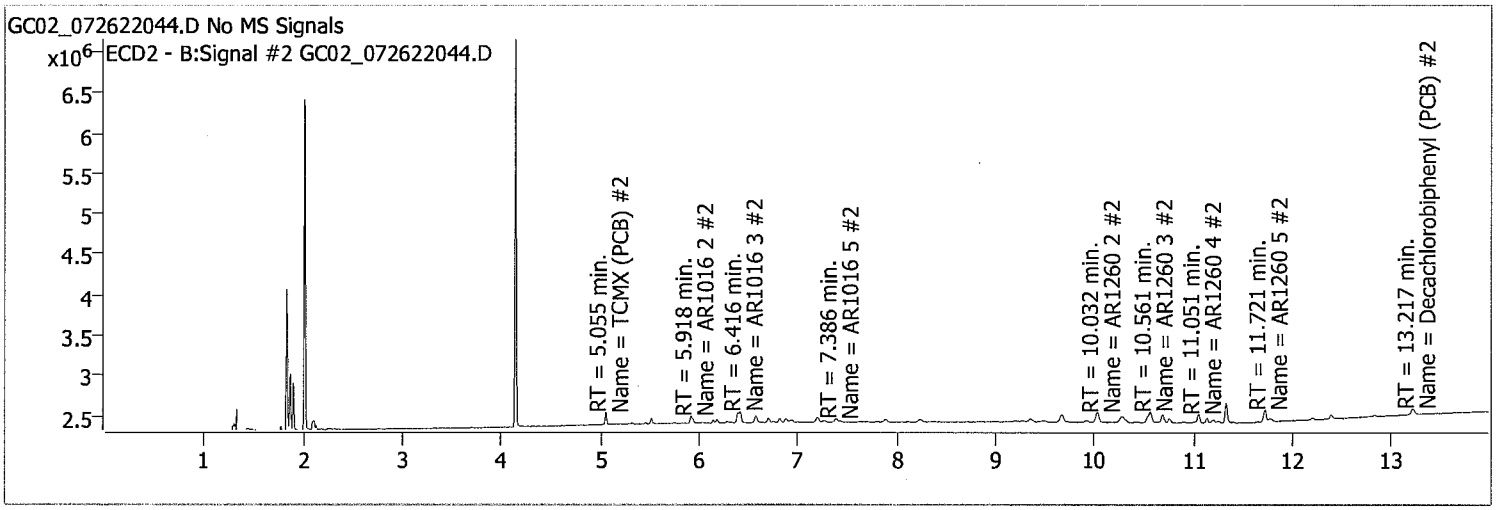
GC02 ICAL Low Point

Quantitation Results Report (Not Reviewed)

Agilent

Data File	GC02_072622044.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	7/27/2022 8:03:15 AM
Sample Name	ICAL, S17023, 100, S17010, 250	Instrument	SVOA-GC02
Vial	81	Multiplier	1.00
DA Method File	PCB_608_072622_GC02_1.m	Comment	20PPB PCB ICAL1
Tune File	ATUNE.U	Tune Date	
Batch Name	072622PCBICAL.batch.bin	Last Calib Update	7/27/2022 11:30:41 AM
Ref Library			





Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.952	0.0	86698617.637	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.143	0.0	4524000.569	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.744	0.0	2616320.000	0.7740	ng/ml	m	0.001
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~3.87%~~ 96.75% *			
S TCMX (PCB) #2	5.055	0.0	181893.073	0.8799	ng/ml		0.000
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~4.40%~~ 110.0% *			
S Decachlorobiphenyl (PCB)	12.028	0.0	2880325.157	0.7098	ng/ml		0.002
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~3.55%~~ 88.7% *			
S Decachlorobiphenyl (PCB) #2	13.217	0.0	185948.133	0.8046	ng/ml		0.002
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~4.02%~~ 100.6% *			
Target Compounds							QValue
T AR1016 1	5.076	0.0	1071840.960	18.8335	ng/ml		100

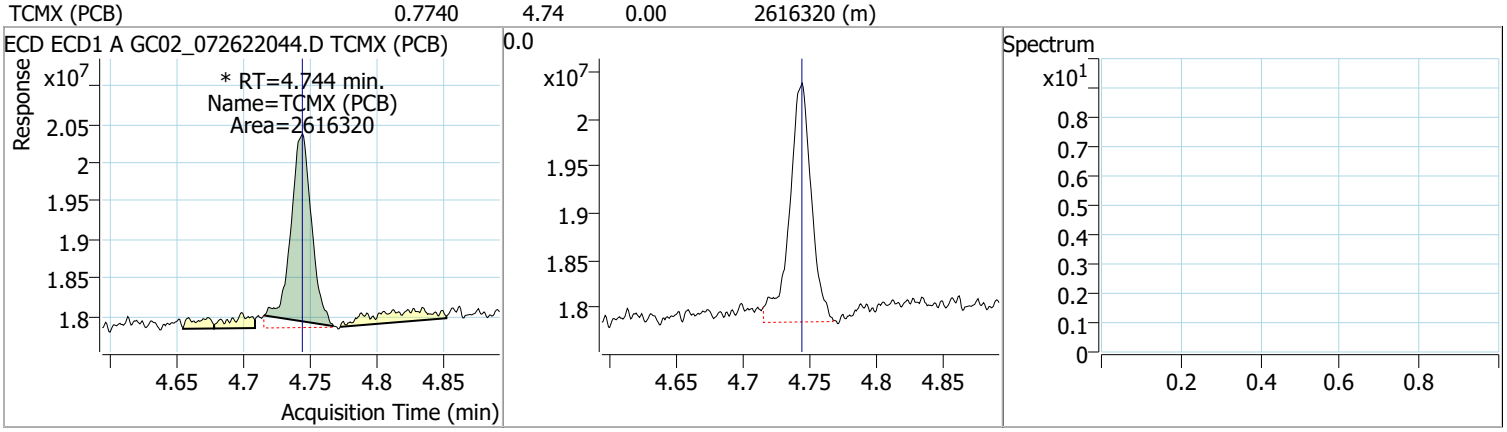
Spike = 0.8 DD 12/27/22

DD 12/27/22

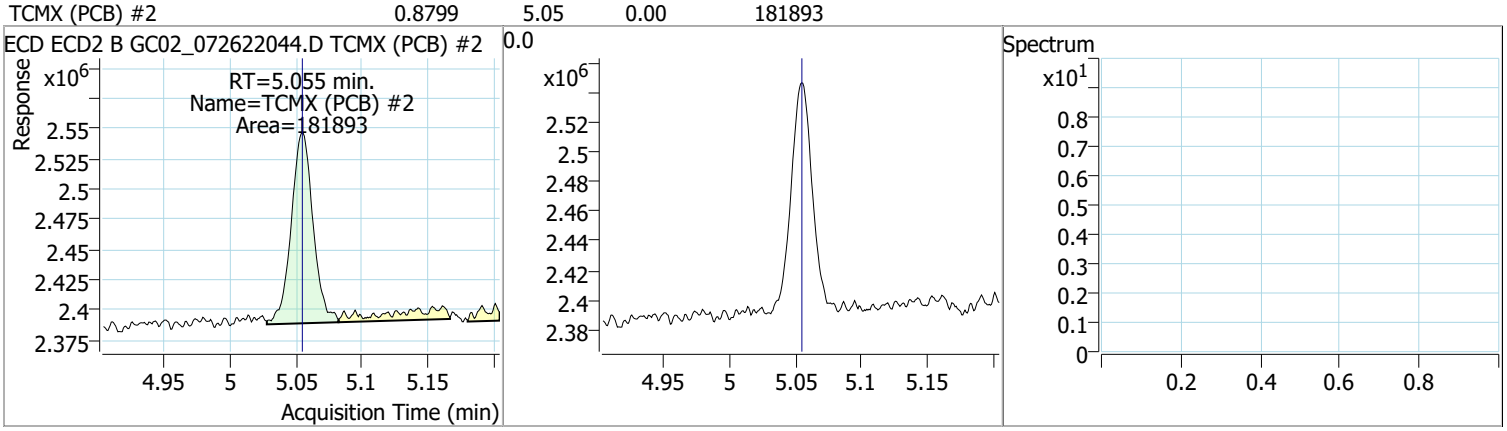
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.398	0.0	2250998.282	20.4874	ng/ml		100
T AR1016 1 #2	5.516	0.0	101465.415	23.8038	ng/ml		100
T AR1016 3	5.832	0.0	3463854.932	20.0735	ng/ml	m	100
T AR1016 2 #2	5.918	0.0	182601.804	20.8885	ng/ml		100
T AR1016 4	5.960	0.0	2173854.295	21.5323	ng/ml		100
T AR1016 5	6.379	0.0	1857534.926	21.0028	ng/ml		100
T AR1016 3 #2	6.416	0.0	229486.012	21.1878	ng/ml		100
T AR1016 4 #2	6.576	0.0	159283.635	20.7820	ng/ml		100
T AR1016 5 #2	7.386	0.0	132856.951	21.2953	ng/ml	m	100
T AR1260 1	8.088	0.0	3618798.225	20.3653	ng/ml		100
T AR1260 2	8.621	0.0	5101777.299	18.5232	ng/ml		100
T AR1260 3	9.243	0.0	6609992.464	20.3570	ng/ml		100
T AR1260 1 #2	9.670	0.0	258967.374	20.1821	ng/ml		100
T AR1260 4	9.931	0.0	2813682.893	19.1435	ng/ml		100
T AR1260 2 #2	10.032	0.0	296842.611	21.1416	ng/ml		100
T AR1260 3 #2	10.561	0.0	377099.112	20.3094	ng/ml		100
T AR1260 5	10.781	0.0	3331240.383	15.5834	ng/ml		100
T AR1260 4 #2	11.051	0.0	233957.674	22.5755	ng/ml	m	100
T AR1260 5 #2	11.721	0.0	311510.272	20.9448	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

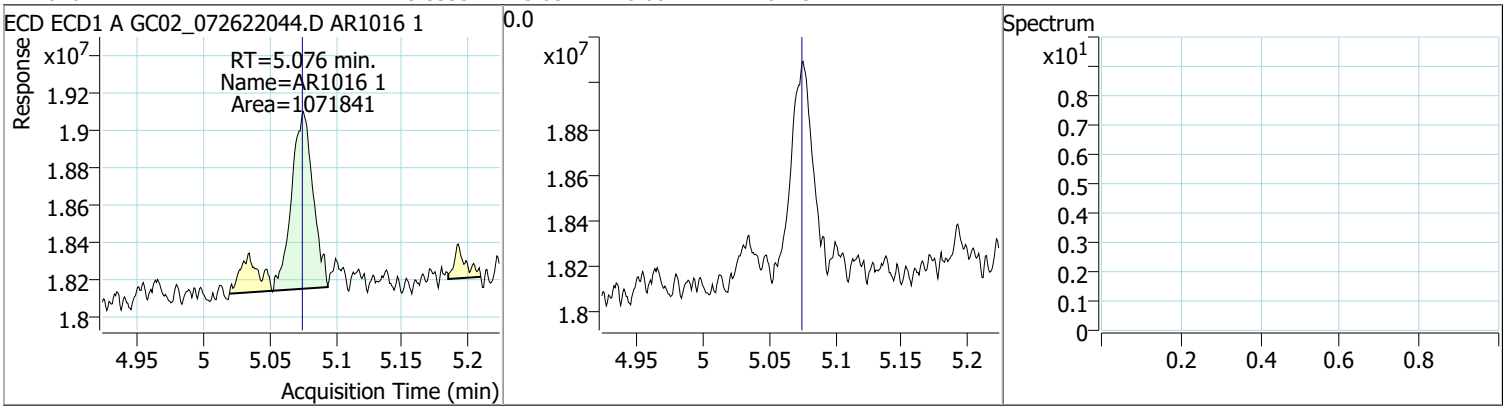
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	0.7740	4.74	0.00	2616320 (m)				



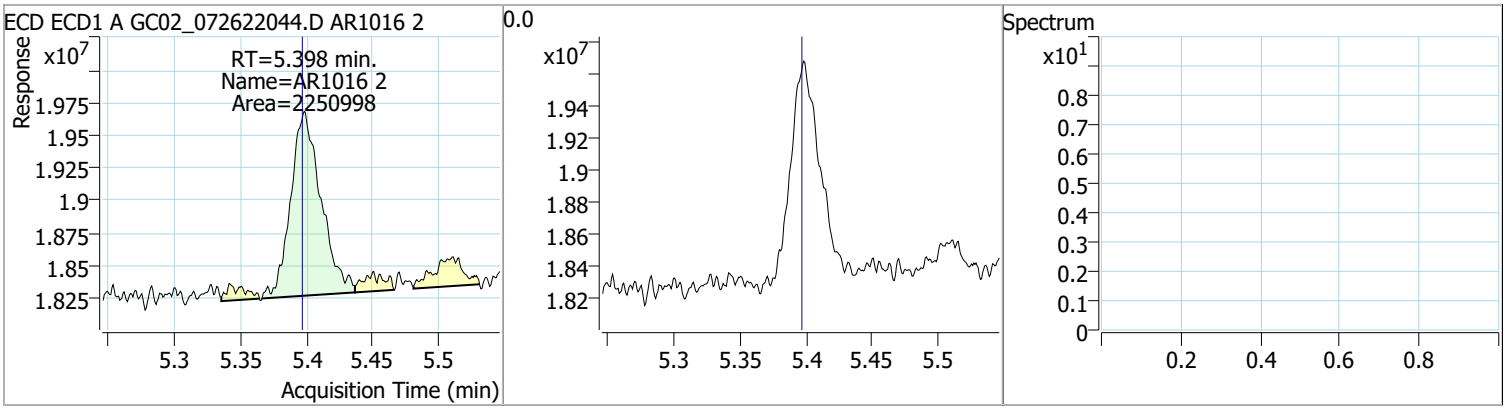
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	0.8799	5.05	0.00	181893				



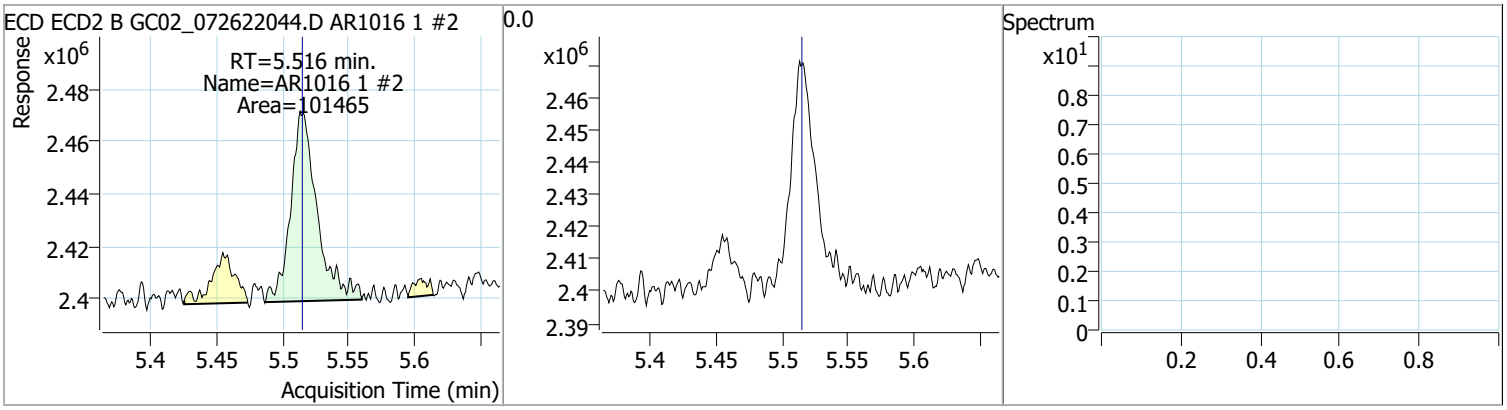
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	18.8335	5.08	0.00	1071841				



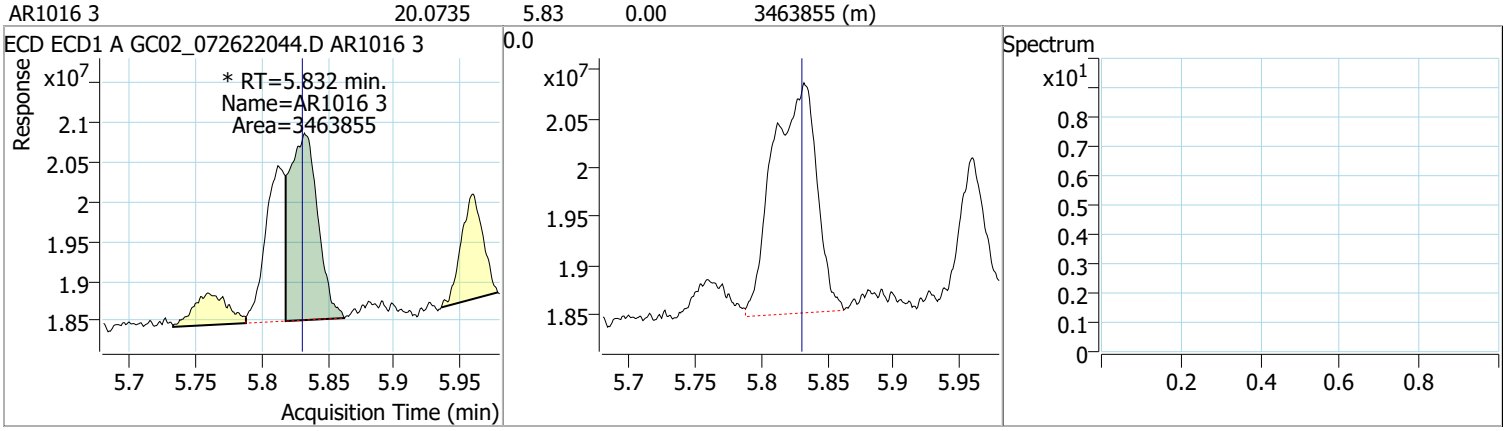
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	20.4874	5.40	0.00	2250998				



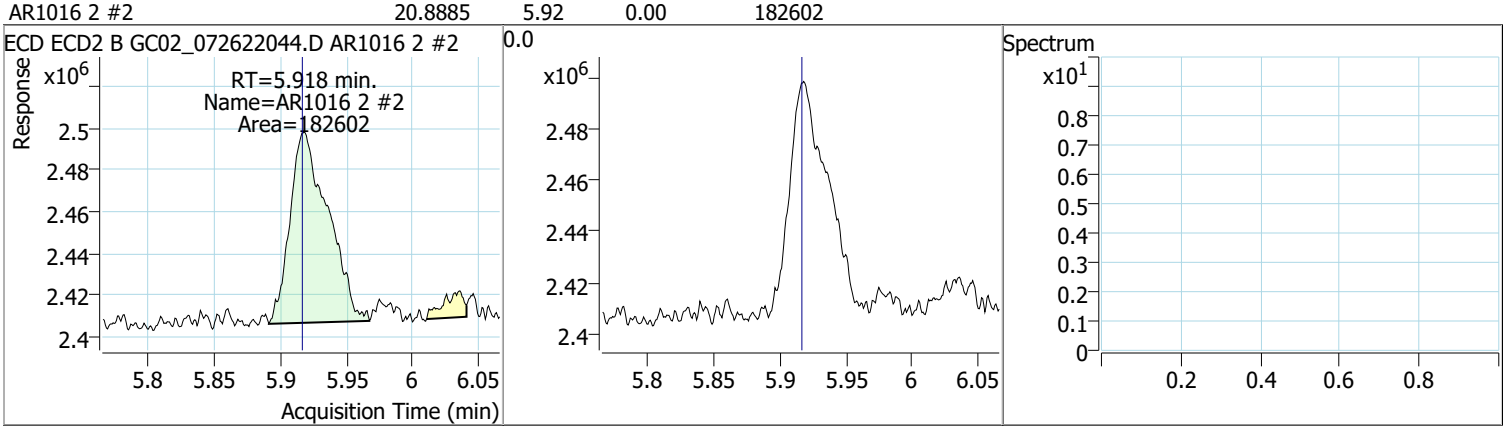
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	23.8038	5.52	0.00	101465				



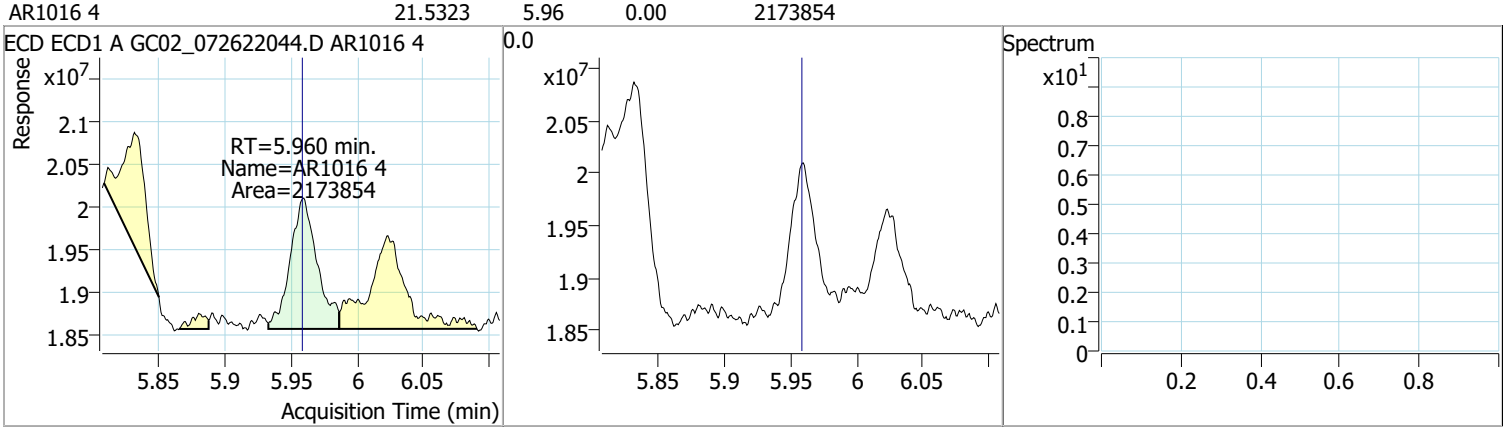
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	20.0735	5.83	0.00	3463855 (m)				



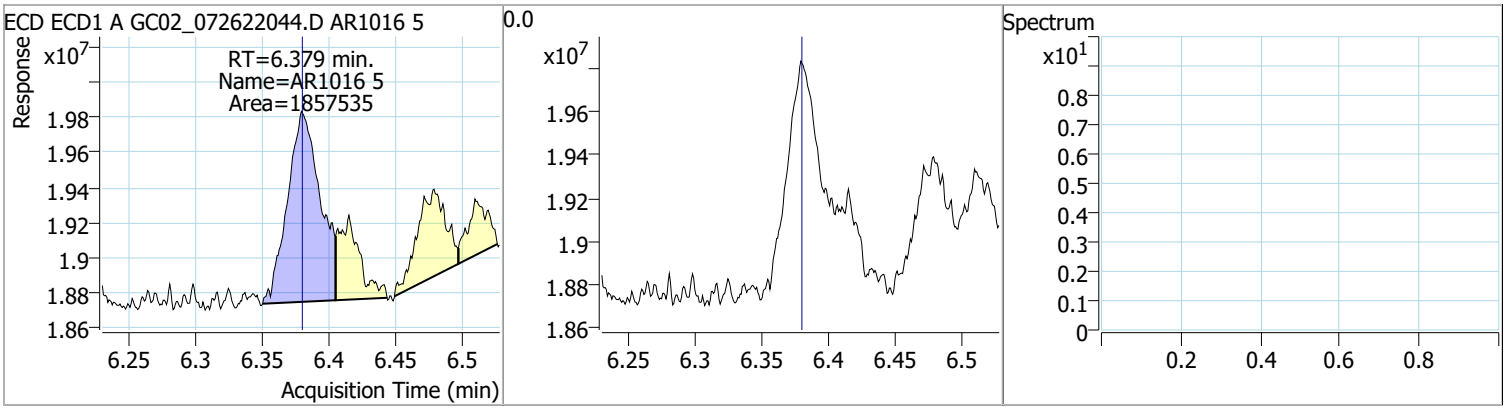
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	20.8885	5.92	0.00	182602				



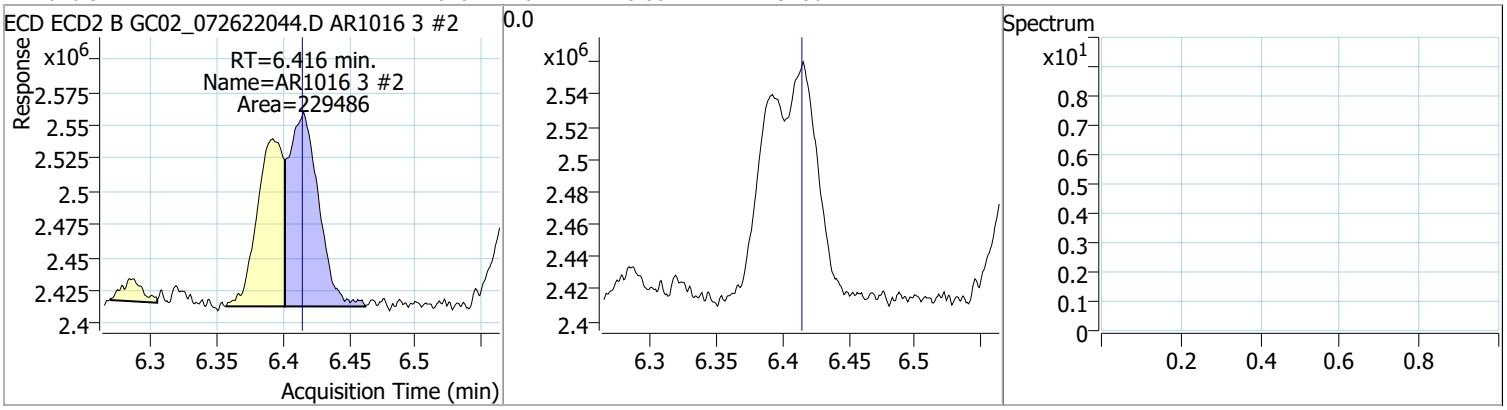
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	21.5323	5.96	0.00	2173854				



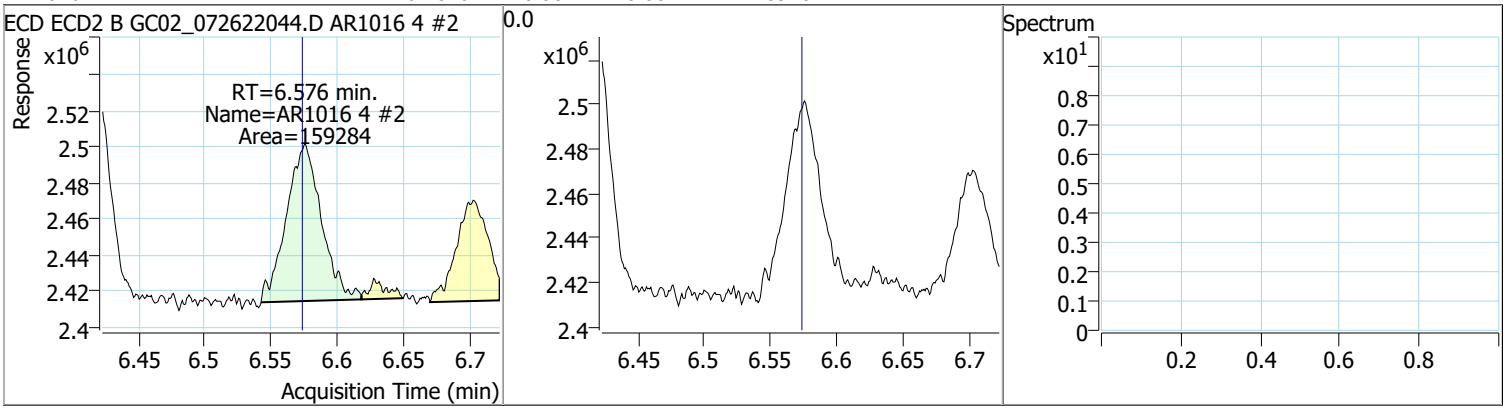
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	21.0028	6.38	0.00	1857535				



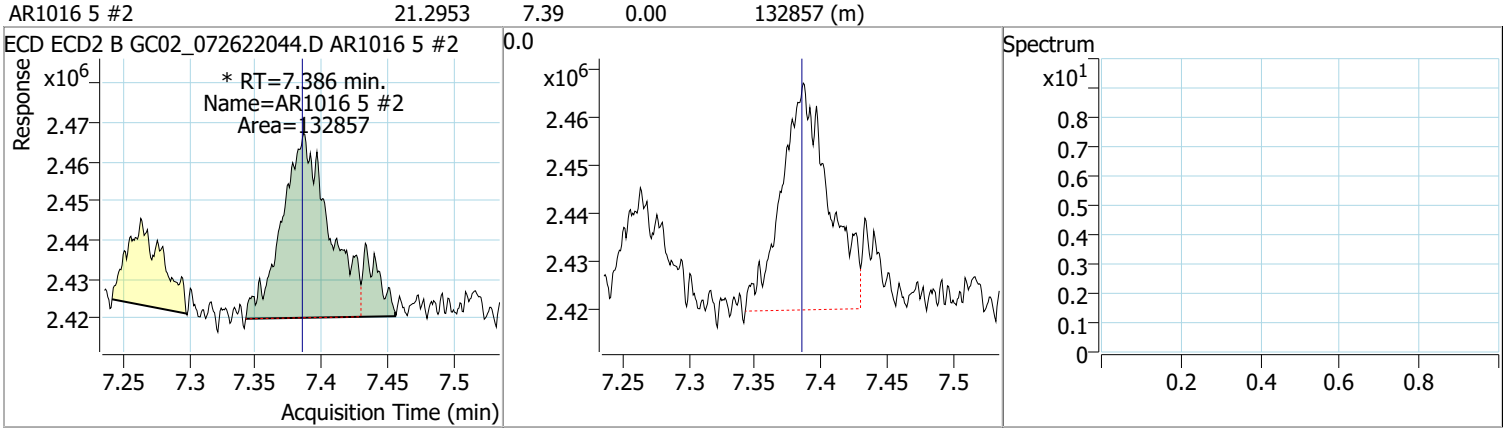
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	21.1878	6.42	0.00	229486				



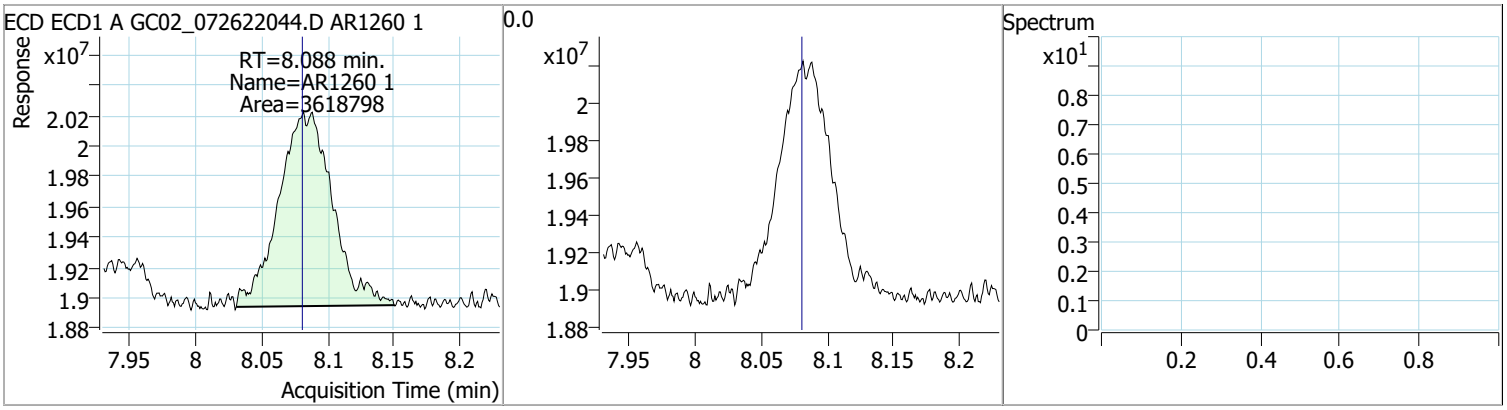
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	20.7820	6.58	0.00	159284				



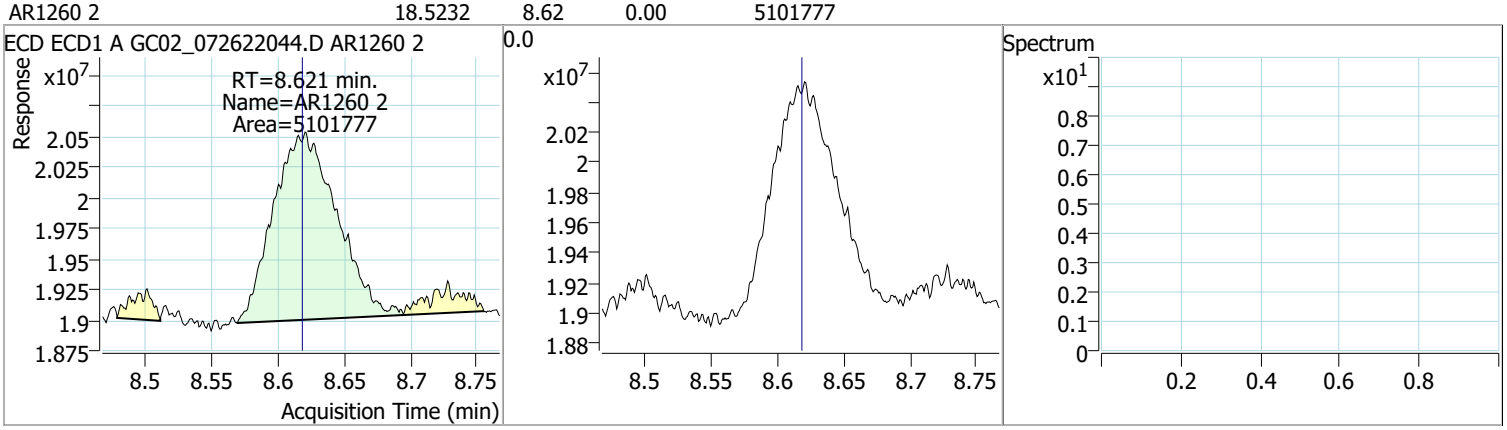
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	21.2953	7.39	0.00	132857 (m)				



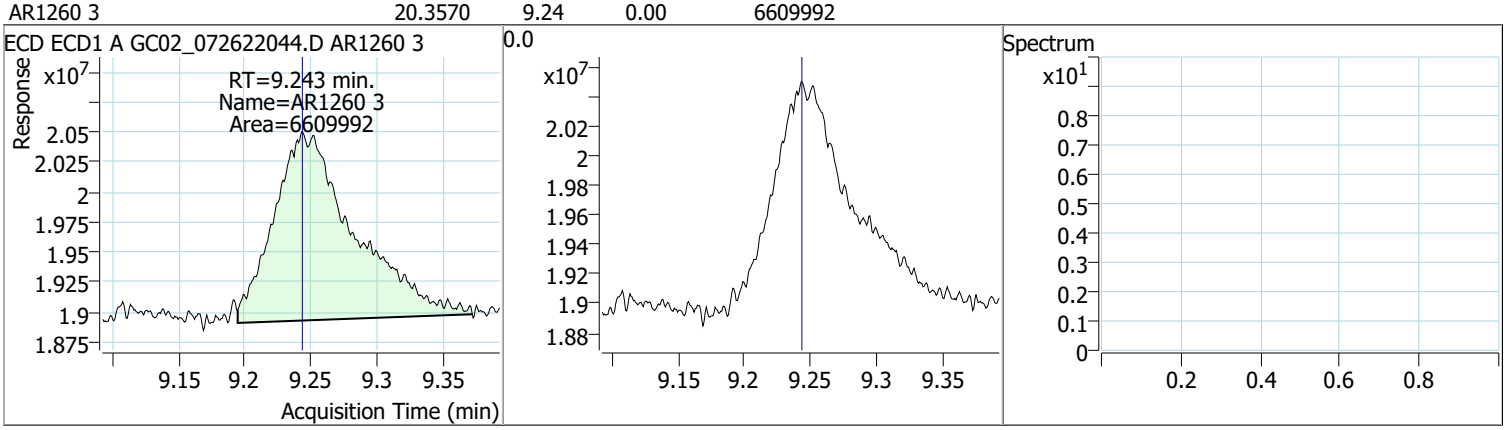
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	20.3653	8.09	0.01	3618798				



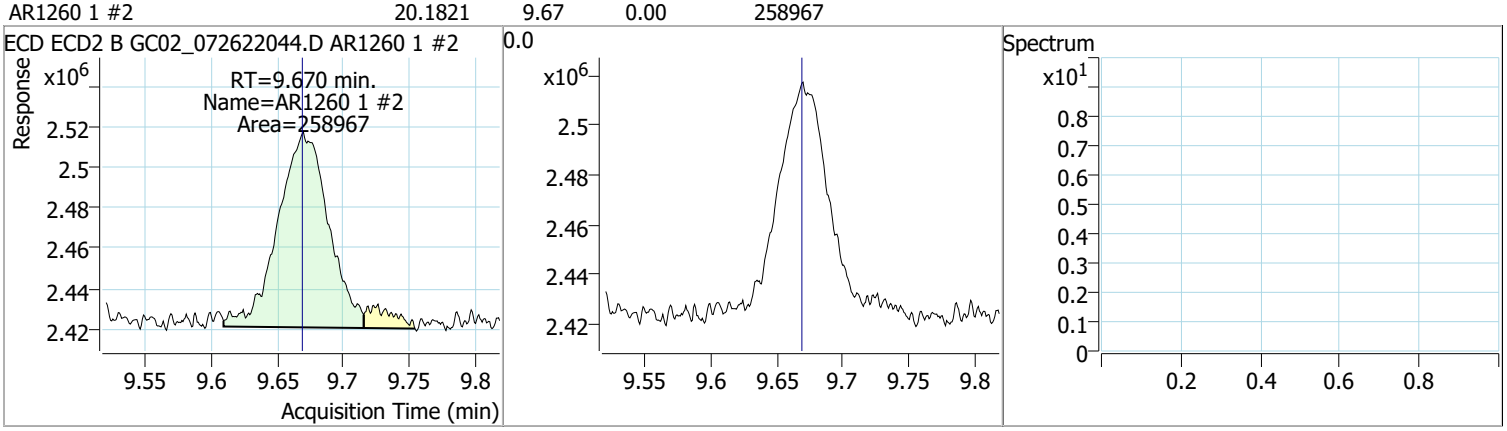
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	18.5232	8.62	0.00	5101777				



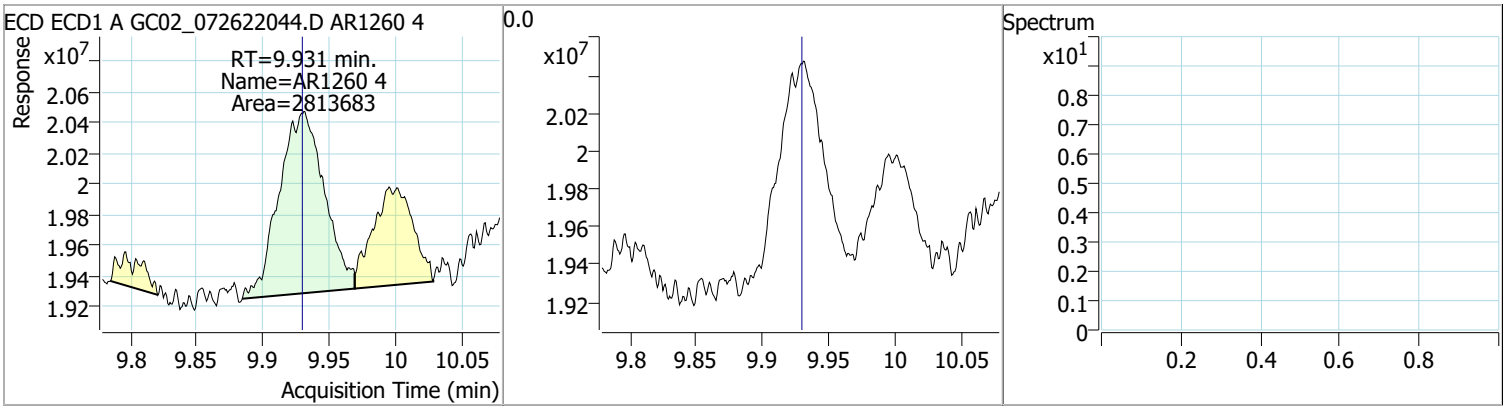
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	20.3570	9.24	0.00	6609992				



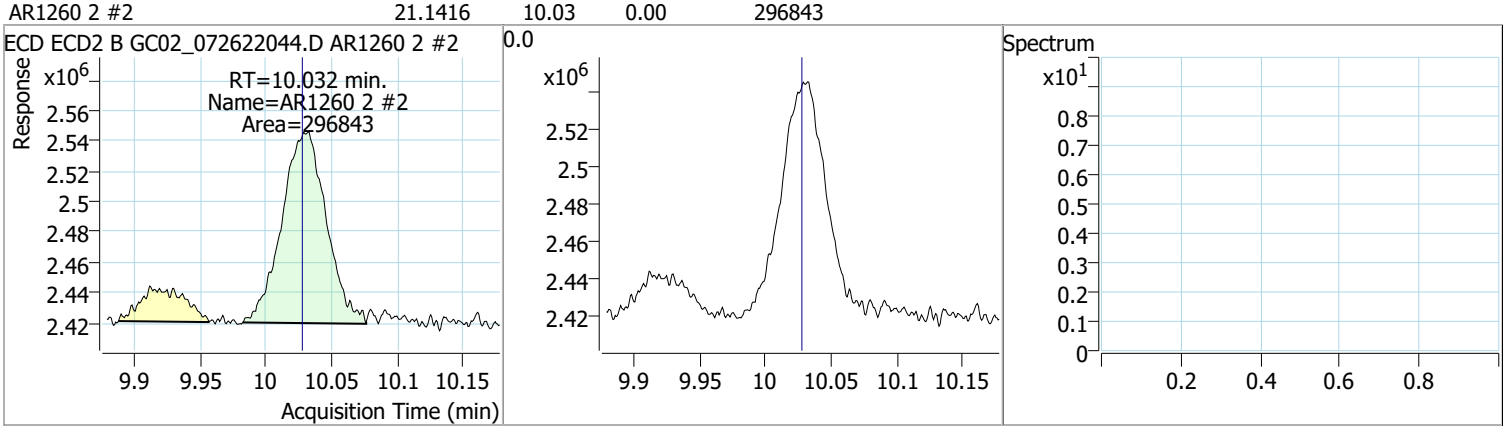
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	20.1821	9.67	0.00	258967				



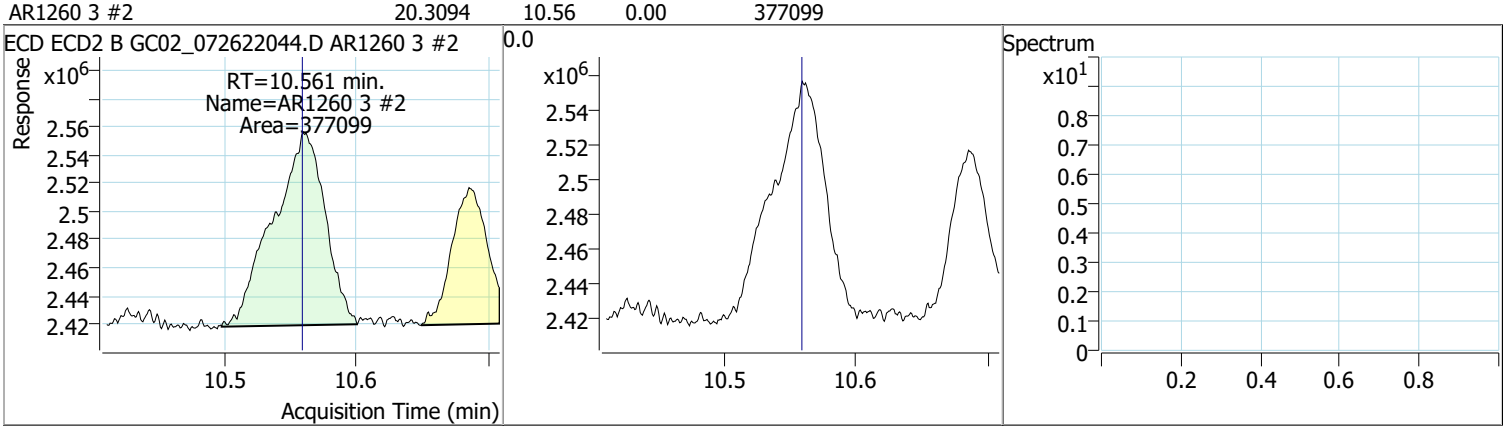
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	19.1435	9.93	0.00	2813683				



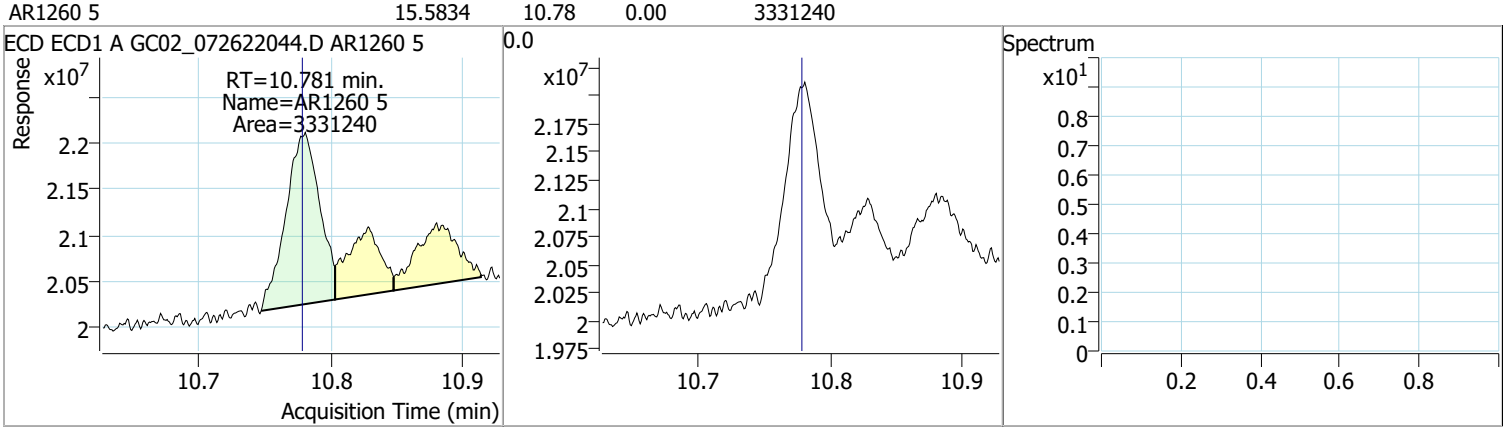
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	21.1416	10.03	0.00	296843				



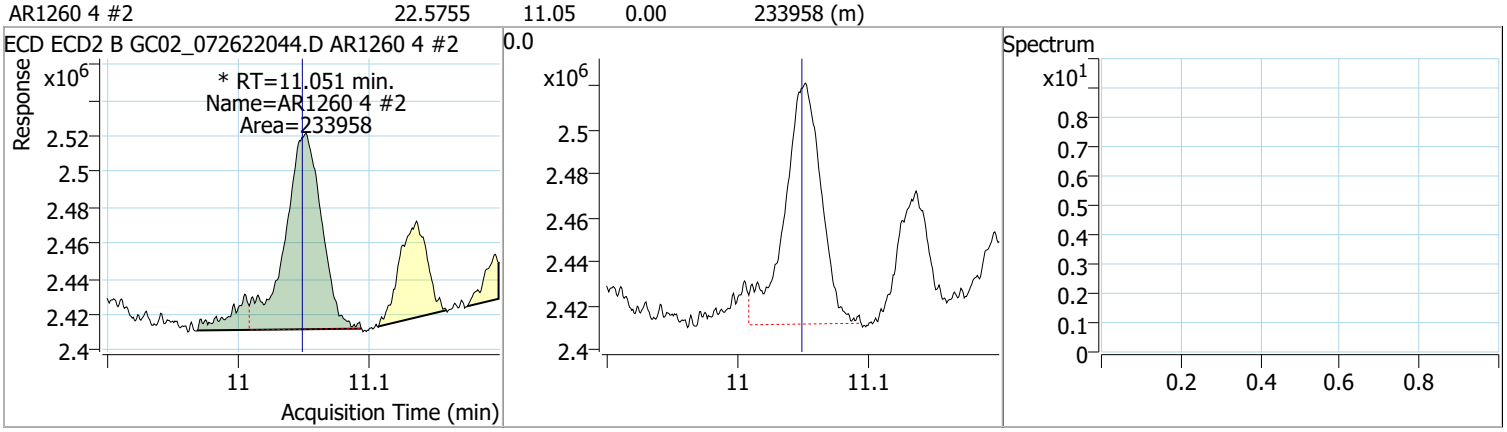
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	20.3094	10.56	0.00	377099				



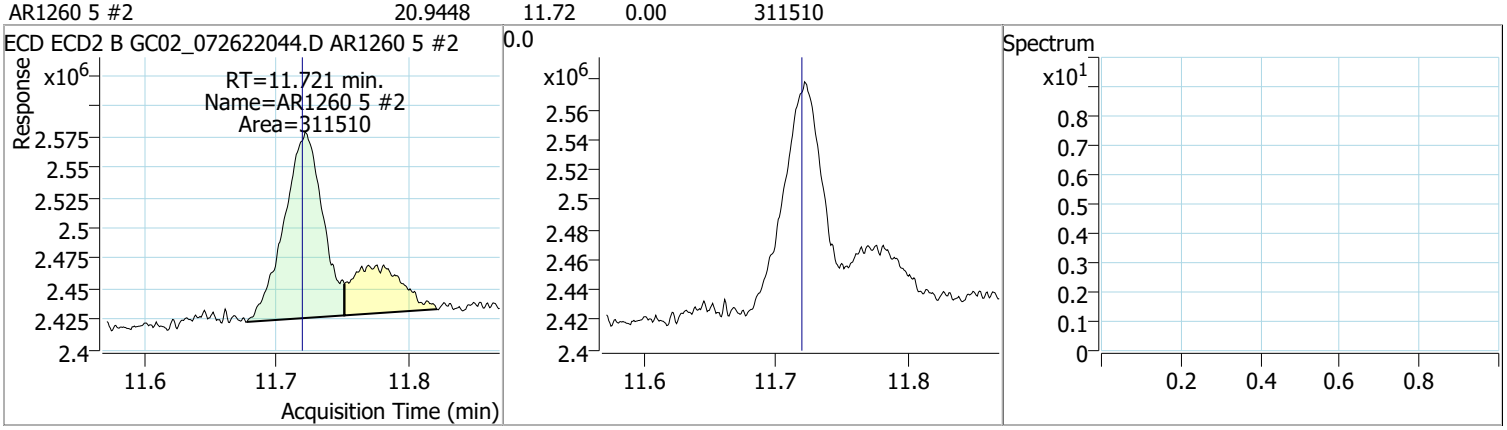
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	15.5834	10.78	0.00	3331240				



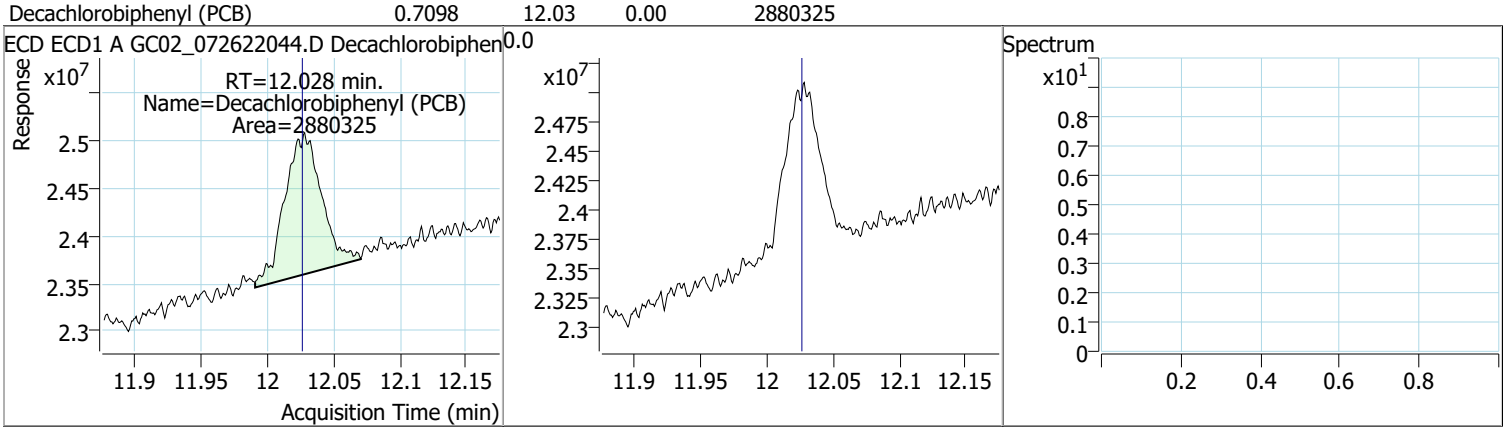
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	22.5755	11.05	0.00	233958 (m)				



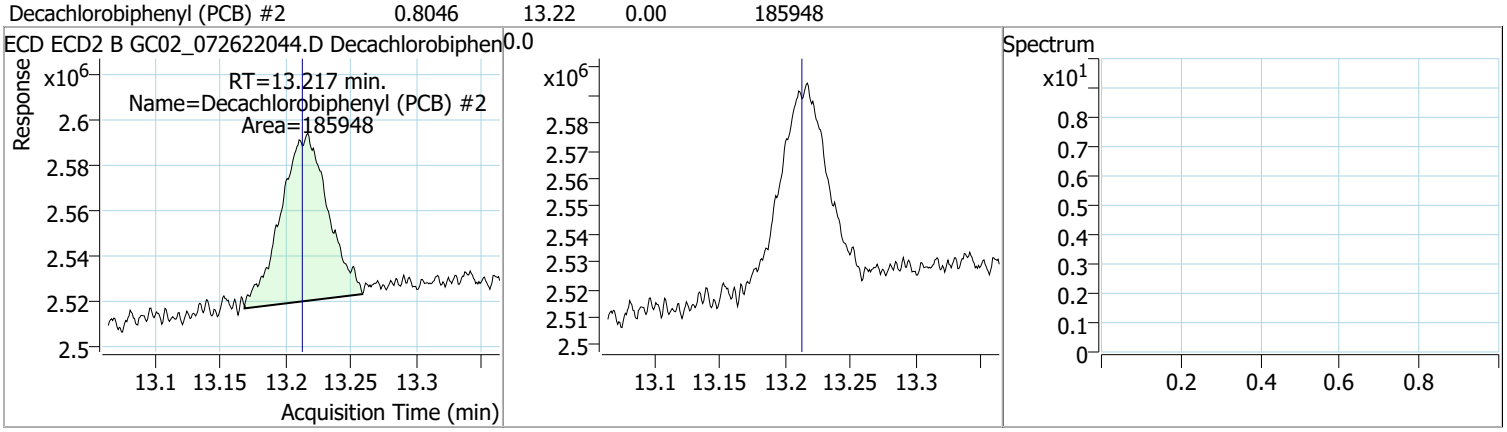
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	20.9448	11.72	0.00	311510				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	0.7098	12.03	0.00	2880325				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	0.8046	13.22	0.00	185948				

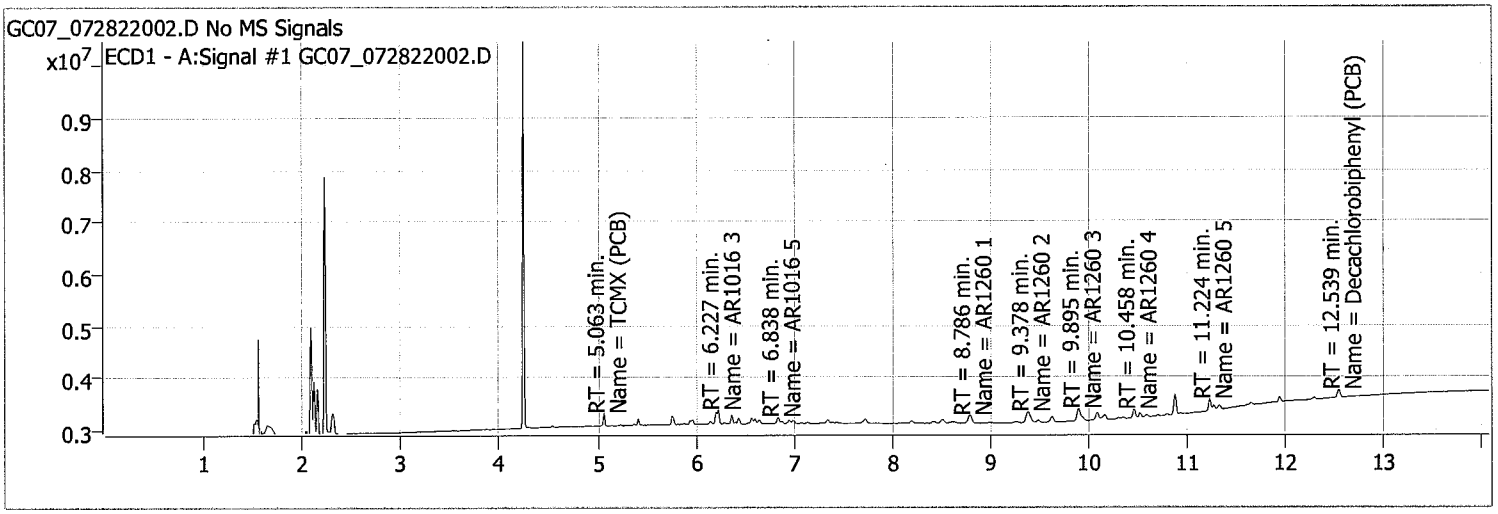


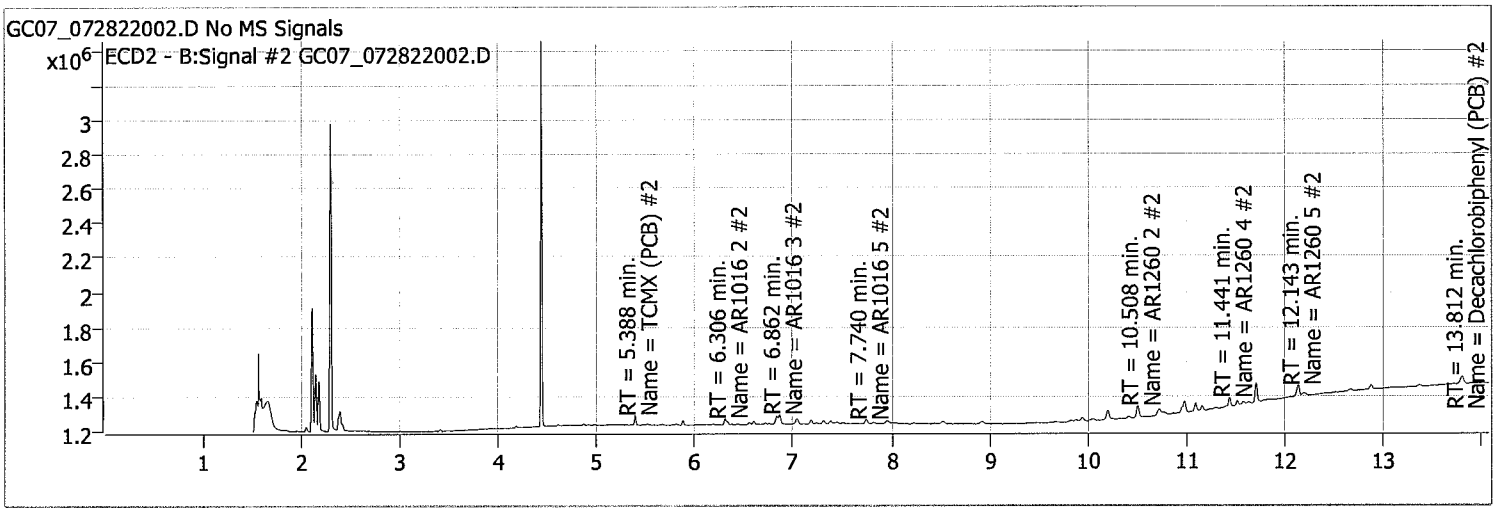
GC07 ICAL Low Point

Quantitation Results Report (Not Reviewed)

Agilent

Data File	GC07_072822002.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/28/2022 10:43:13 AM
Sample Name	ICAL, S16726, 100	Instrument	SVOA-GC07
Vial	31	Multiplier	1.00
DA Method File	PCB_608_072822_GC07_1.m	Comment	20 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	072822_PCB.batch.bin	Last Calib Update	7/28/2022 4:53:16 PM
Ref Library			





Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.247	0.0	6965898.000	20.0000	ng/ml	0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.435	0.0	1955533.789	20.0000	ng/ml	0.014
System Monitoring Compounds						
S TCMX (PCB)	5.063	0.0	275414.814	0.8829	ng/ml	0.002
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~4.41%~~ 110.4% *		
S TCMX (PCB) #2	5.388	0.0	60689.894	0.7252	ng/ml	0.014
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~3.63%~~ 90.65% *		
S Decachlorobiphenyl (PCB)	12.539	0.0	299286.926	0.8395	ng/ml	0.007
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~4.20%~~ 104.9% *		
S Decachlorobiphenyl (PCB) #2	13.812	0.0	107329.939	0.9049	ng/ml	0.017
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~4.52%~~ 113.1% *		
Target Compounds						QValue
T AR1016 1	5.413	0.0	147747.705	23.4038	ng/ml	100
T AR1016 2	5.758	0.0	294530.282	0.0000	ng/ml	100
T AR1016 1 #2	5.874	0.0	34194.858	19.9226	ng/ml	100

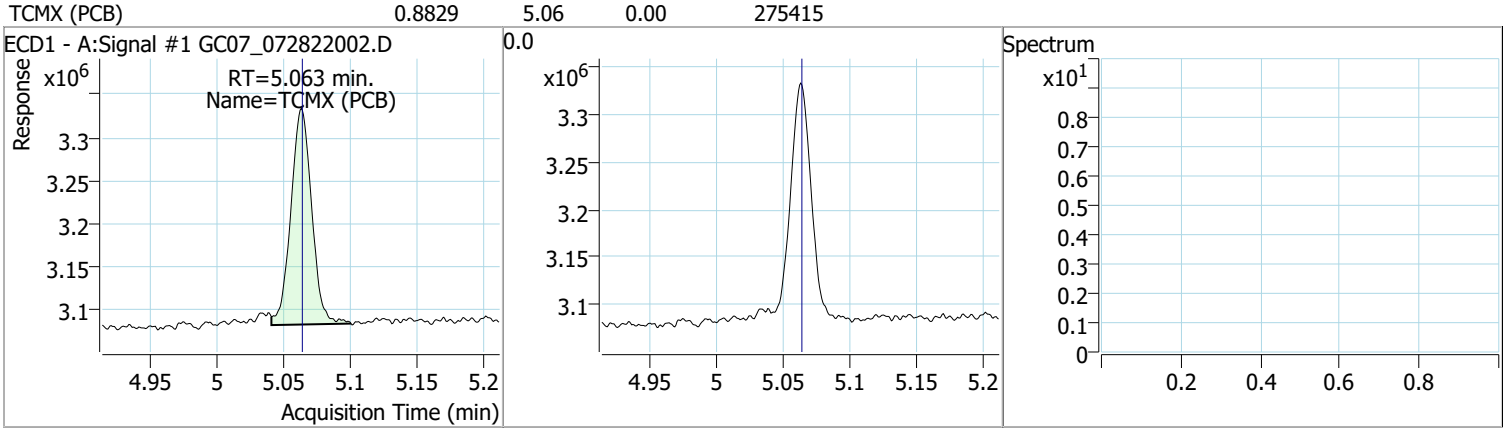
Spike = 0.8 dd 12/22/22

dd 12/22/22

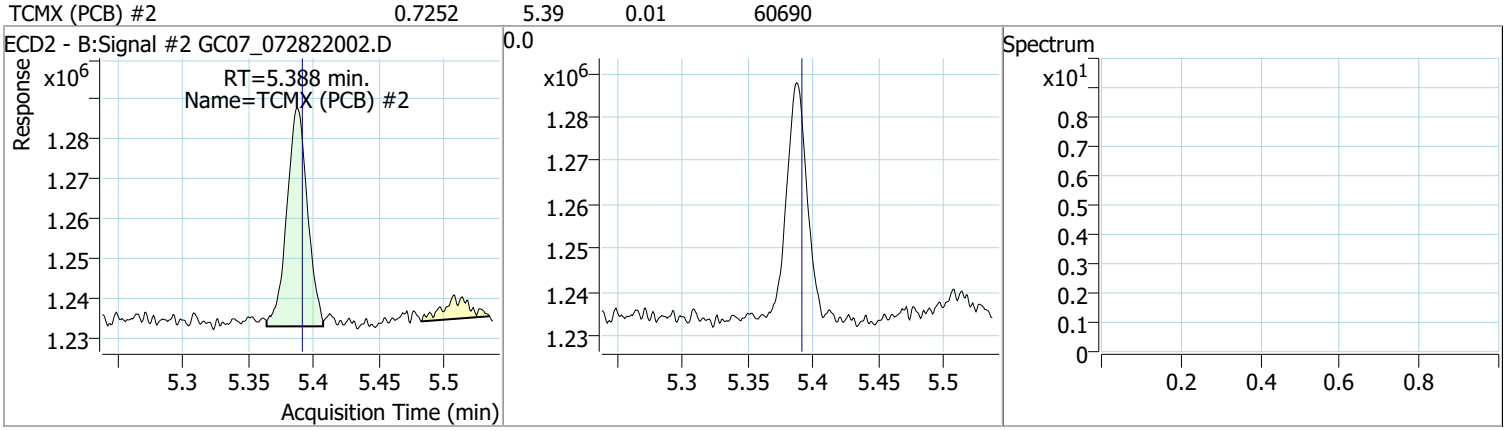
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 3	6.227	0.0	375467.233	24.0931	ng/ml	100
T AR1016 2 #2	6.306	0.0	74129.531	20.3008	ng/ml	100
T AR1016 4	6.367	0.0	245791.338	24.2223	ng/ml	100
T AR1016 5	6.838	0.0	203294.753	22.5082	ng/ml	100
T AR1016 3 #2	6.862	0.0	90361.600	20.2471	ng/ml	100
T AR1016 4 #2	7.041	0.0	65486.422	20.5853	ng/ml	100
T AR1016 5 #2	7.740	0.0	48242.855	19.3780	ng/ml	100
T AR1260 1	8.786	0.0	439360.875	0.0000	ng/ml	100
T AR1260 2	9.378	0.0	673631.974	24.3301	ng/ml	100
T AR1260 3	9.895	0.0	718720.559	23.9967	ng/ml	100
T AR1260 1 #2	10.203	0.0	113353.661	21.0507	ng/ml	100
T AR1260 4	10.458	0.0	313620.649	22.7767	ng/ml	100
T AR1260 2 #2	10.508	0.0	131547.874	21.7201	ng/ml	100
T AR1260 3 #2	10.982	0.0	156517.777	19.3812	ng/ml	100
T AR1260 5	11.224	0.0	378680.701	21.9165	ng/ml	100
T AR1260 4 #2	11.441	0.0	86320.019	19.3502	ng/ml	100
T AR1260 5 #2	12.143	0.0	137583.613	20.2639	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

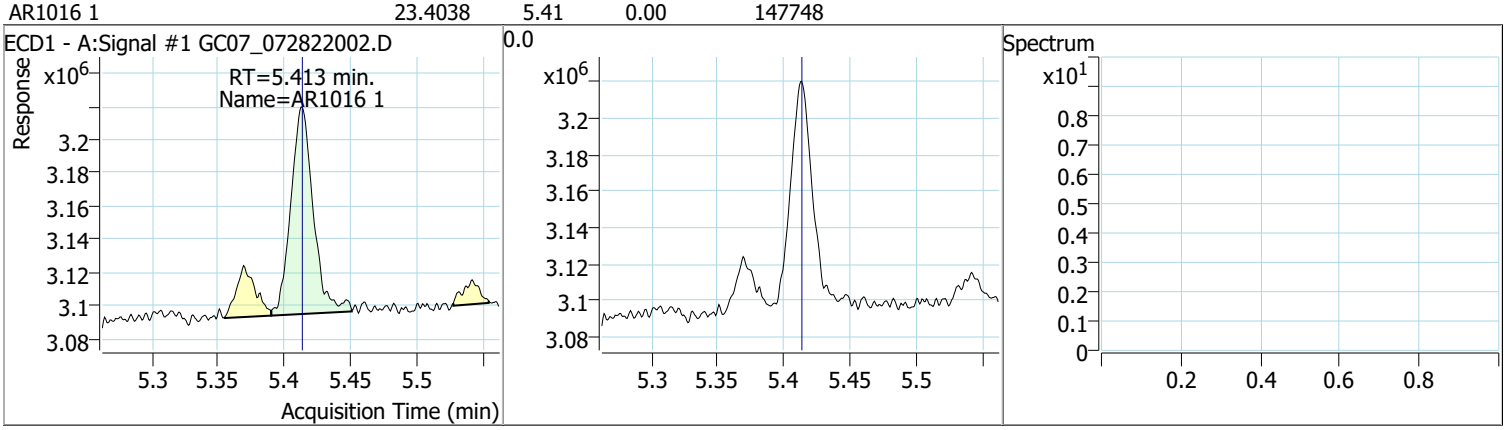
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	0.8829	5.06	0.00	275415				



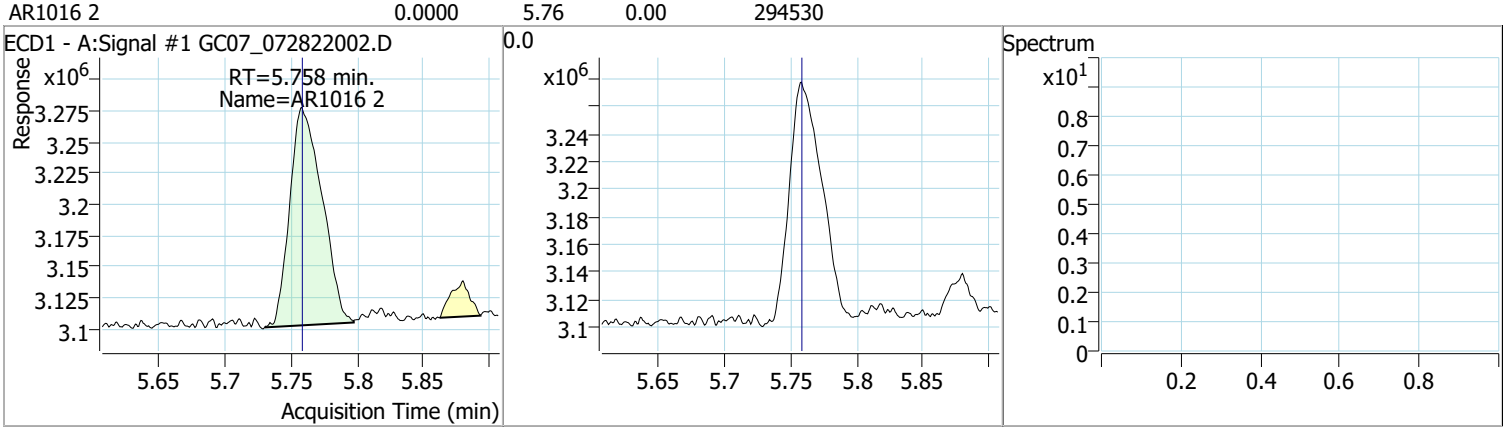
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	0.7252	5.39	0.01	60690				



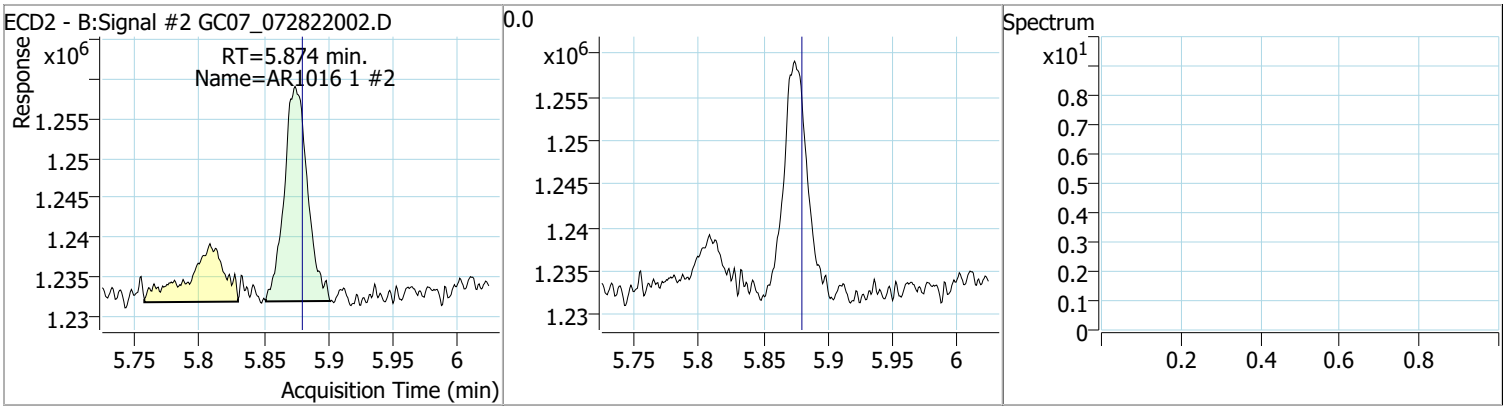
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	23.4038	5.41	0.00	147748				



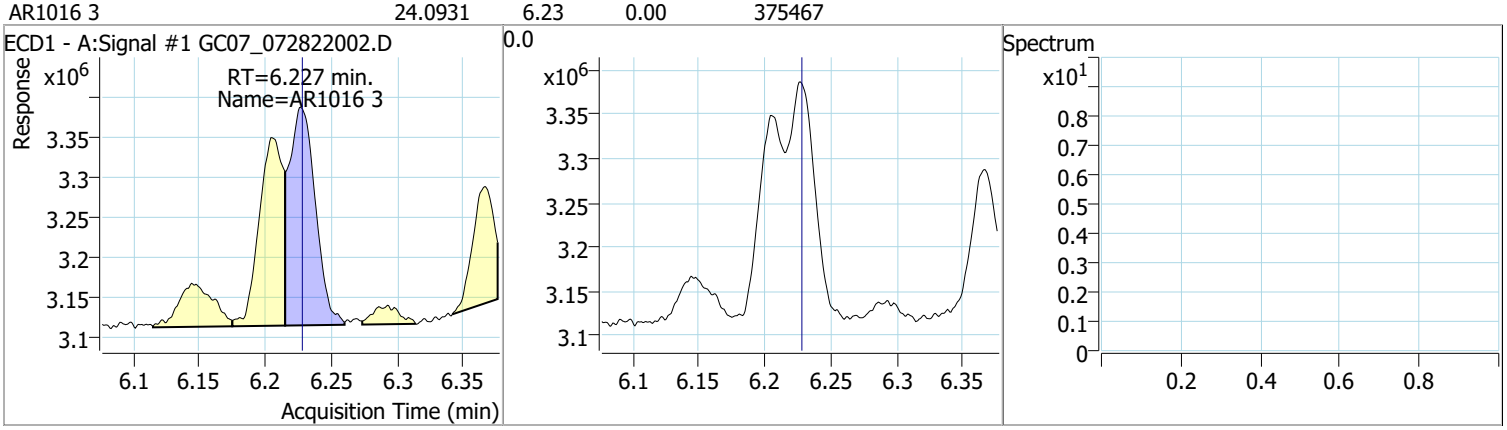
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.76	0.00	294530				



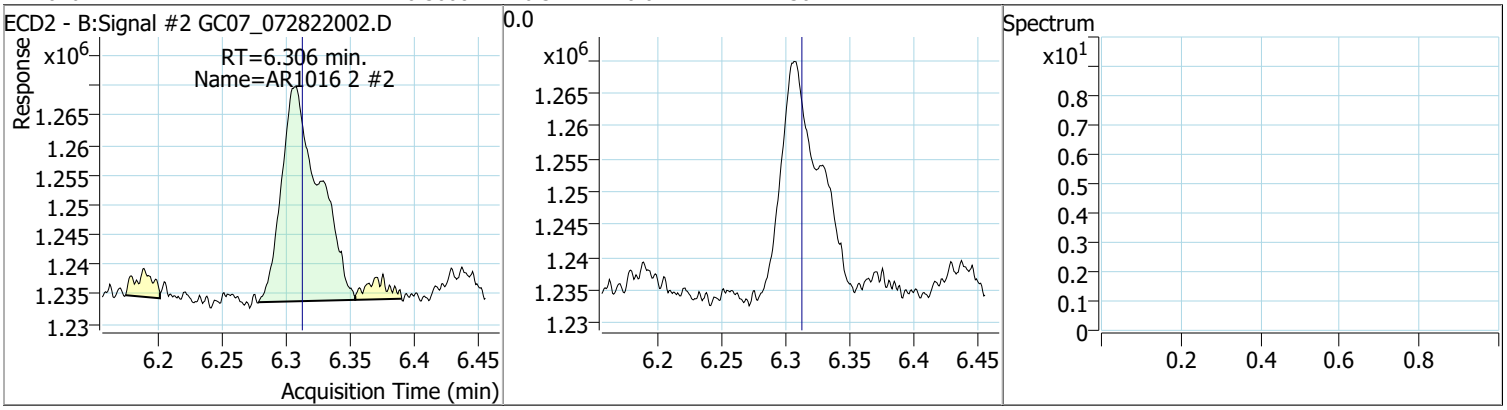
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	19.9226	5.87	0.01	34195				



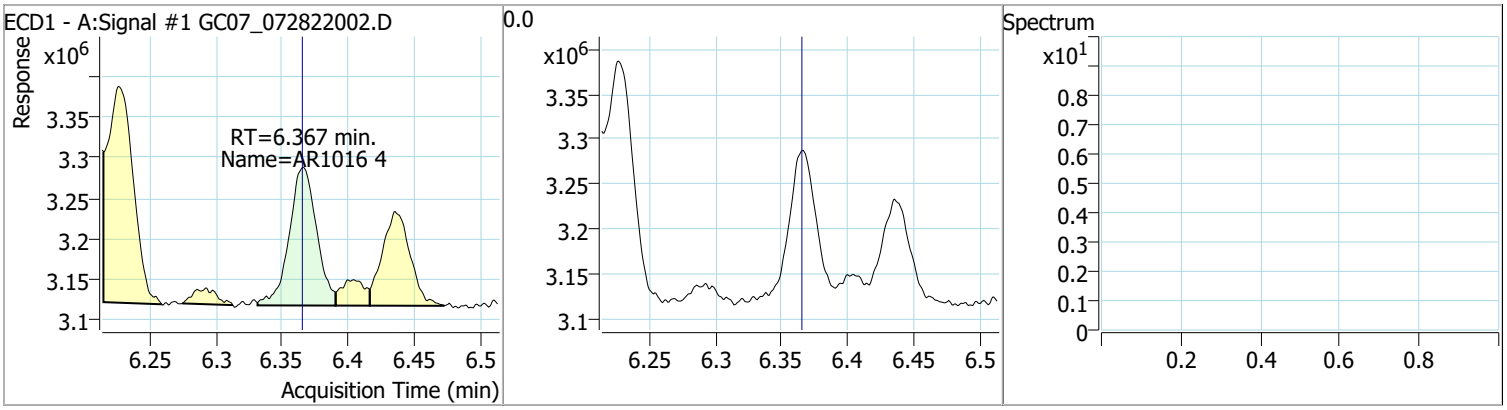
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	24.0931	6.23	0.00	375467				



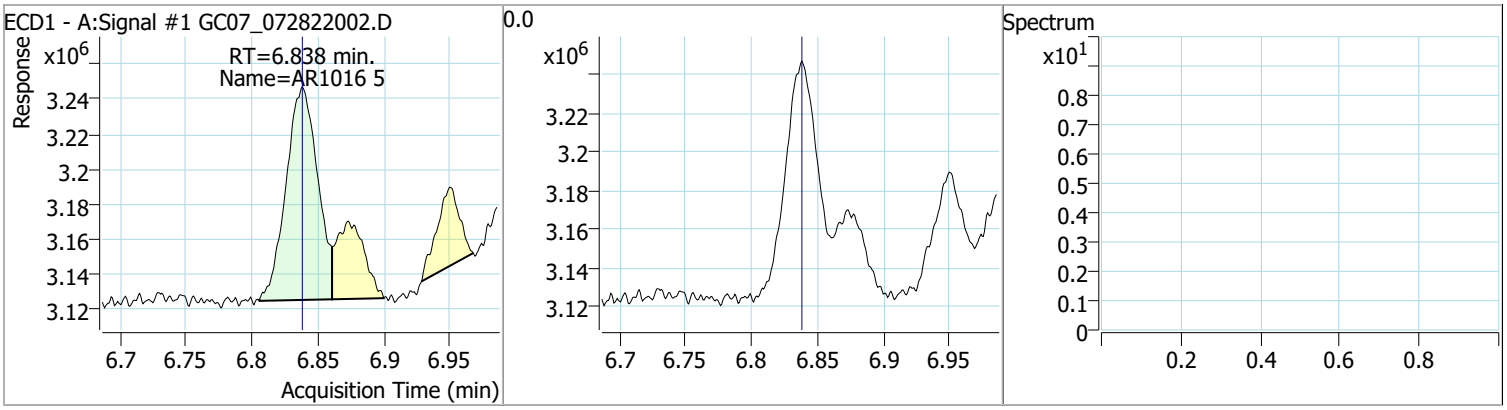
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	20.3008	6.31	0.01	74130				



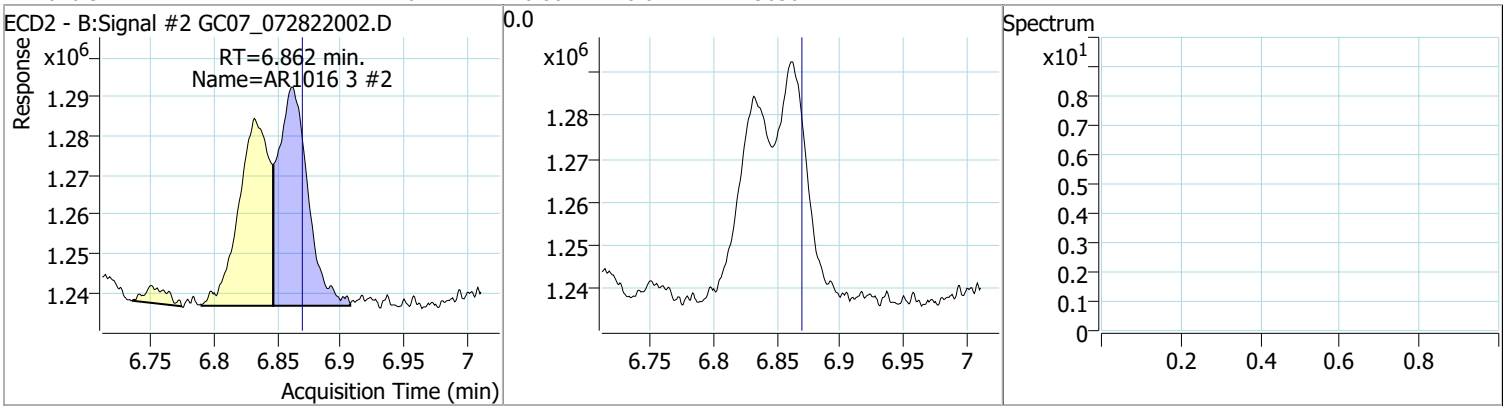
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	24.2223	6.37	0.00	245791				



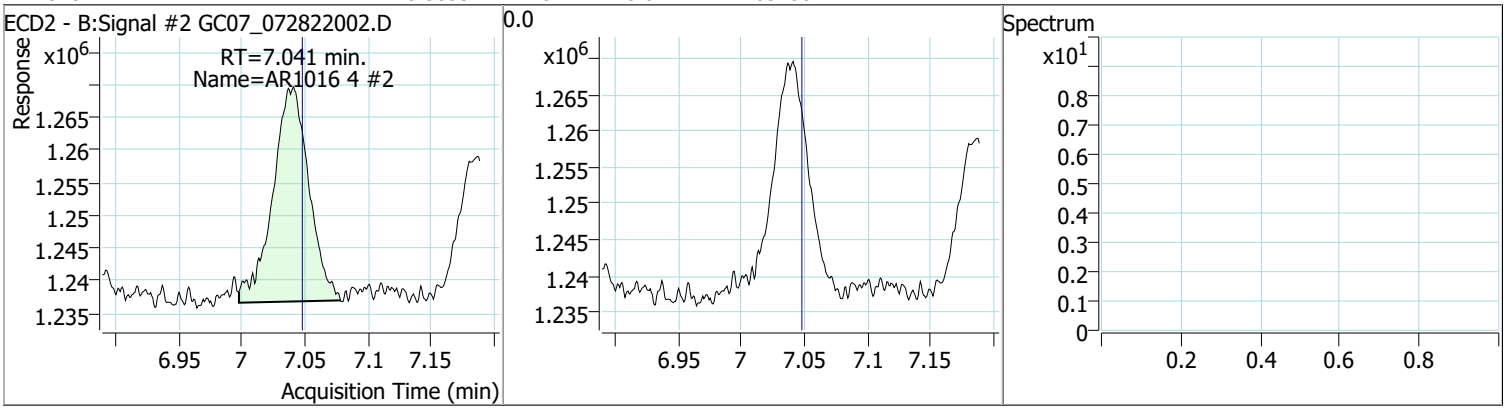
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	22.5082	6.84	0.00	203295				



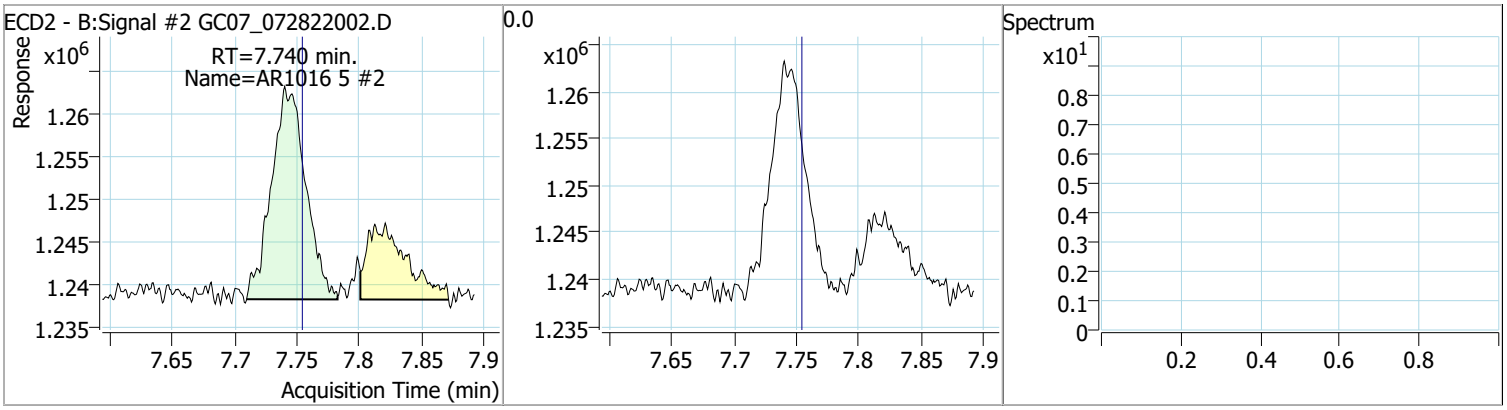
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	20.2471	6.86	0.01	90362				



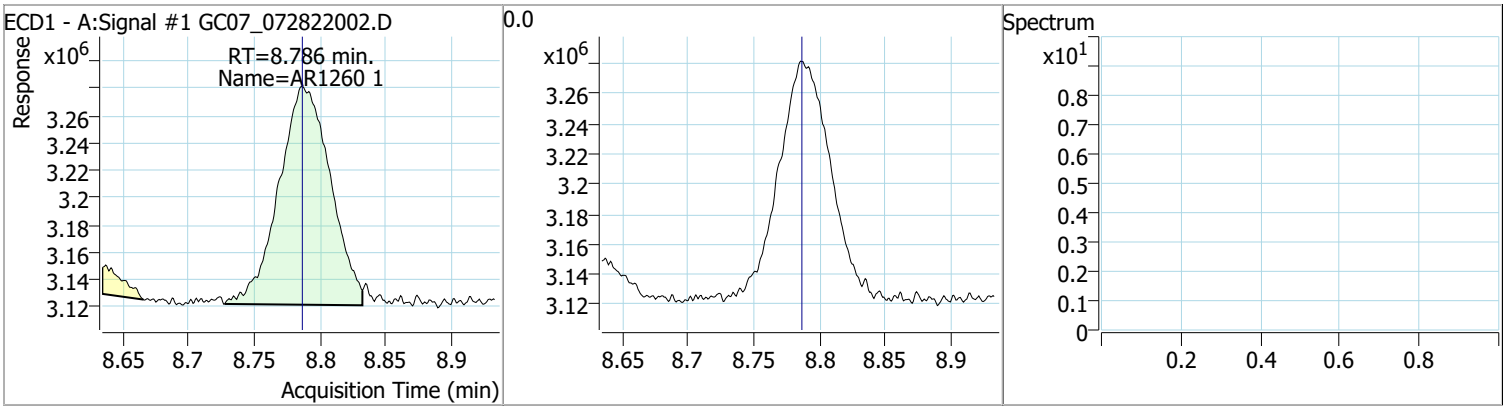
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	20.5853	7.04	0.02	65486				



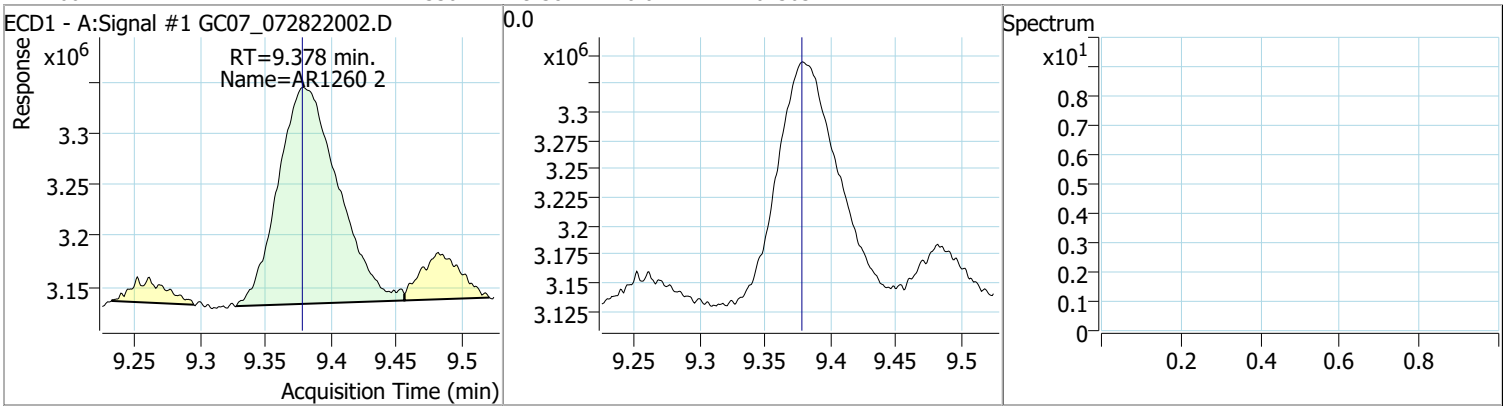
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	19.3780	7.74	0.01	48243				



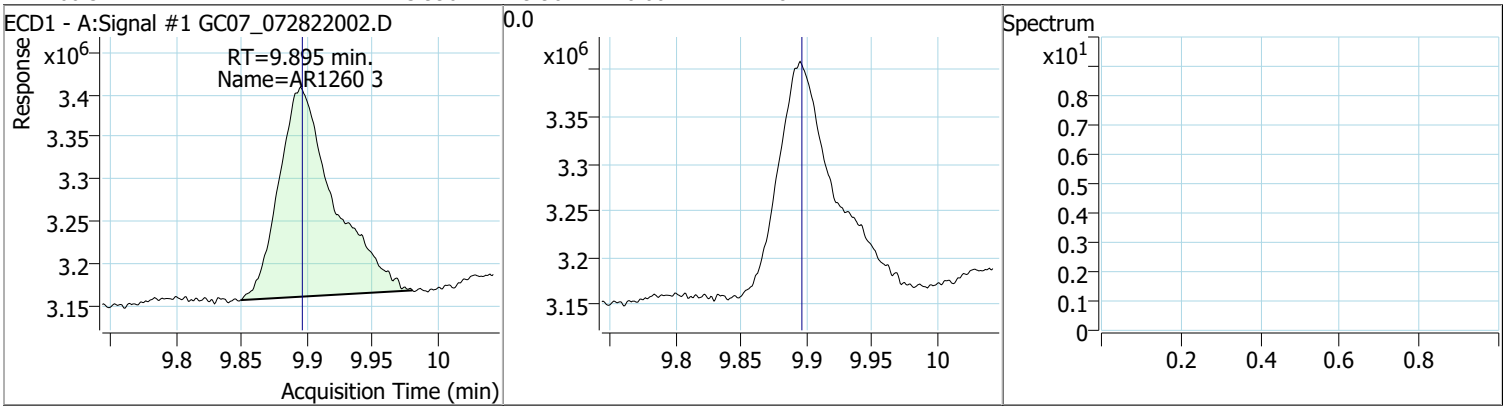
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	0.0000	8.79	0.00	439361				



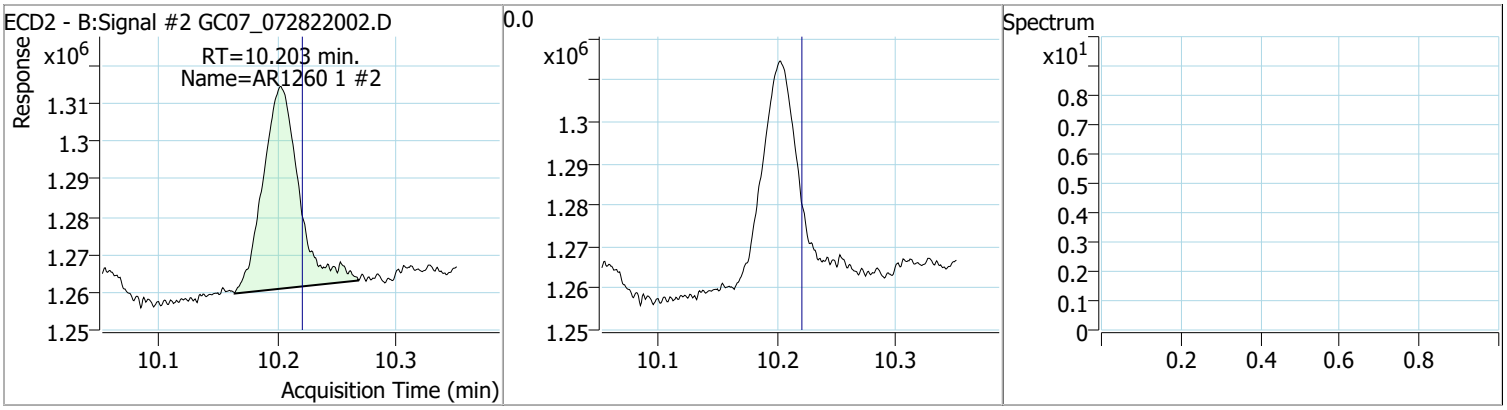
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	24.3301	9.38	0.01	673632				



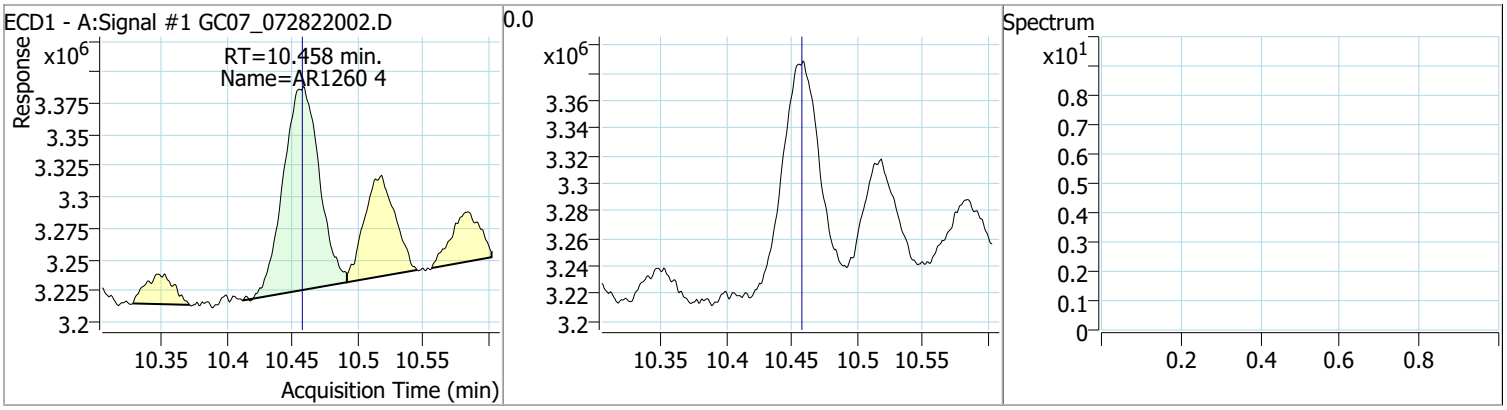
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	23.9967	9.90	0.00	718721				



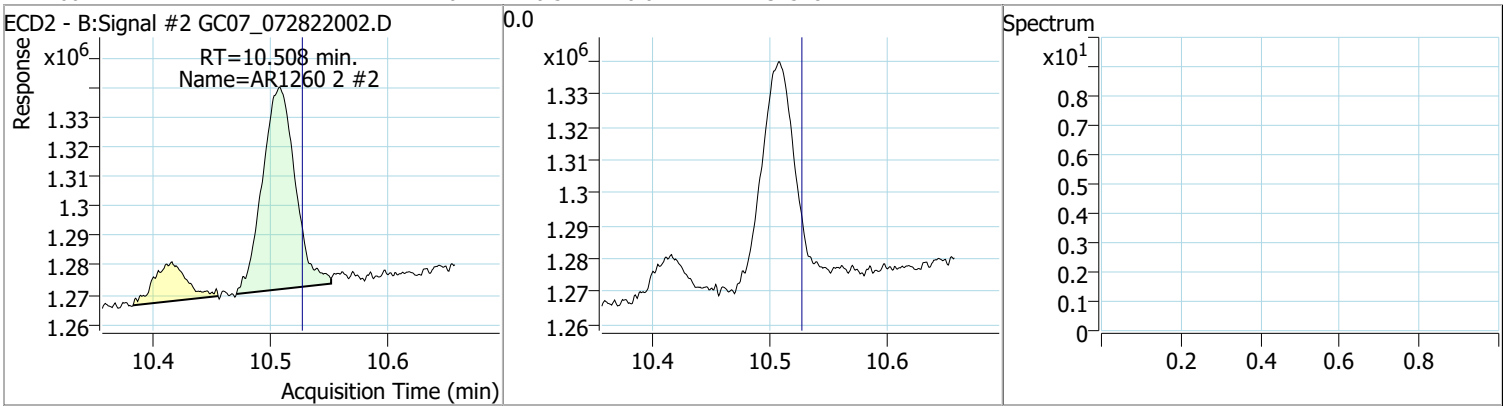
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	21.0507	10.20	0.02	113354				



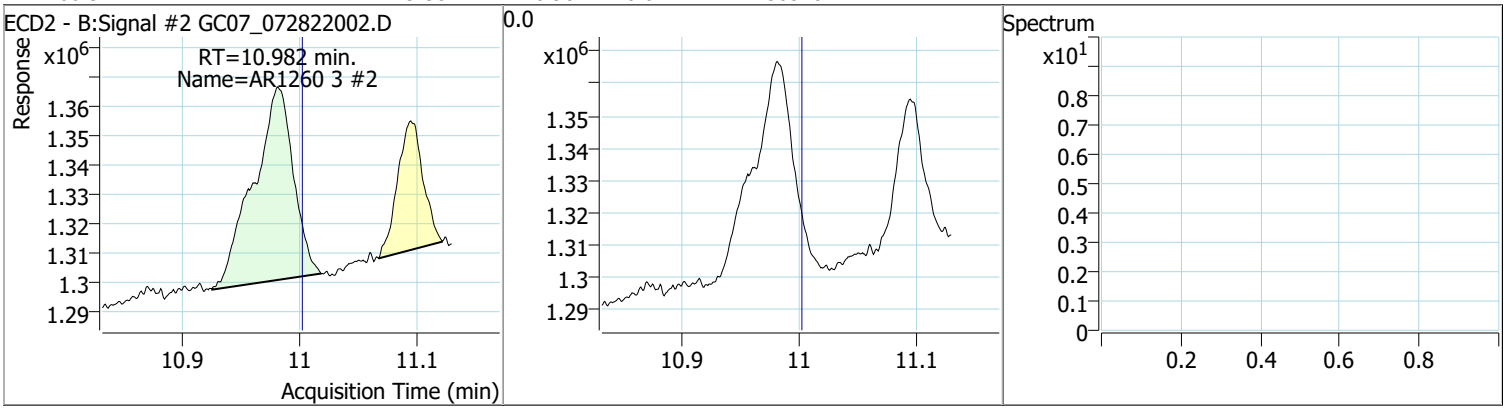
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	22.7767	10.46	0.01	313621				



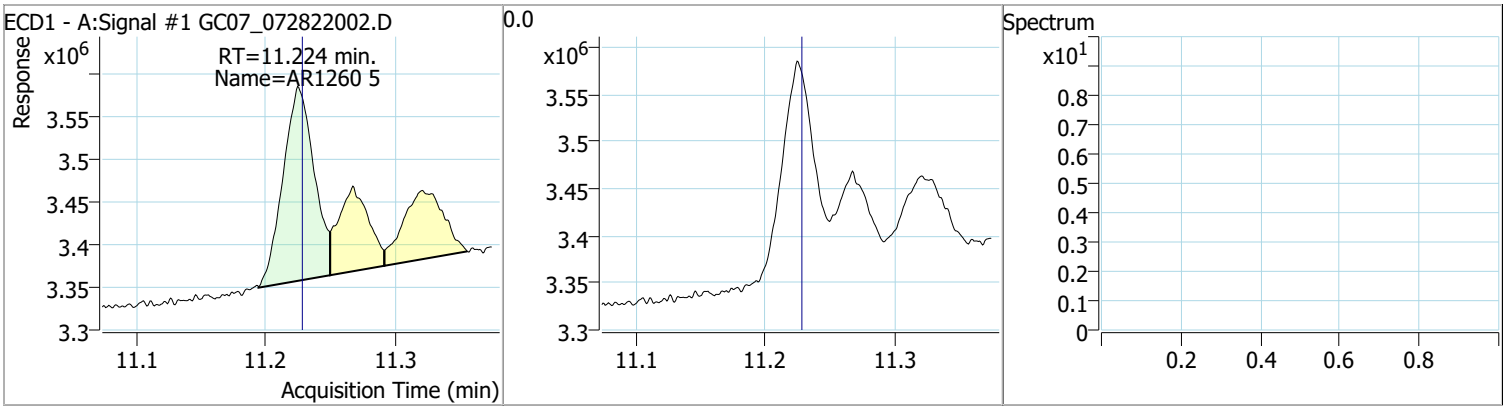
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	21.7201	10.51	0.01	131548				



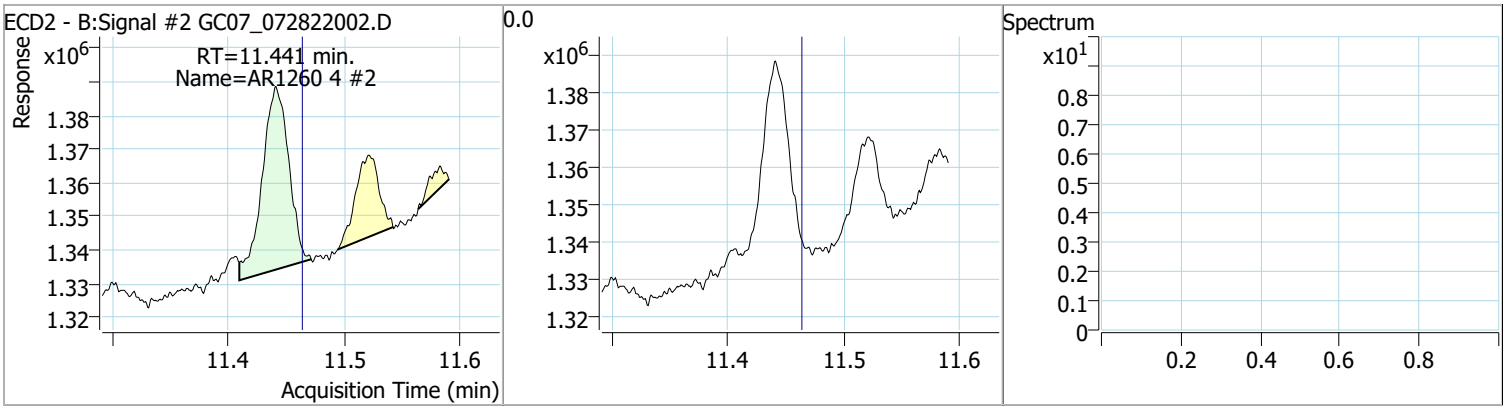
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	19.3812	10.98	0.01	156518				



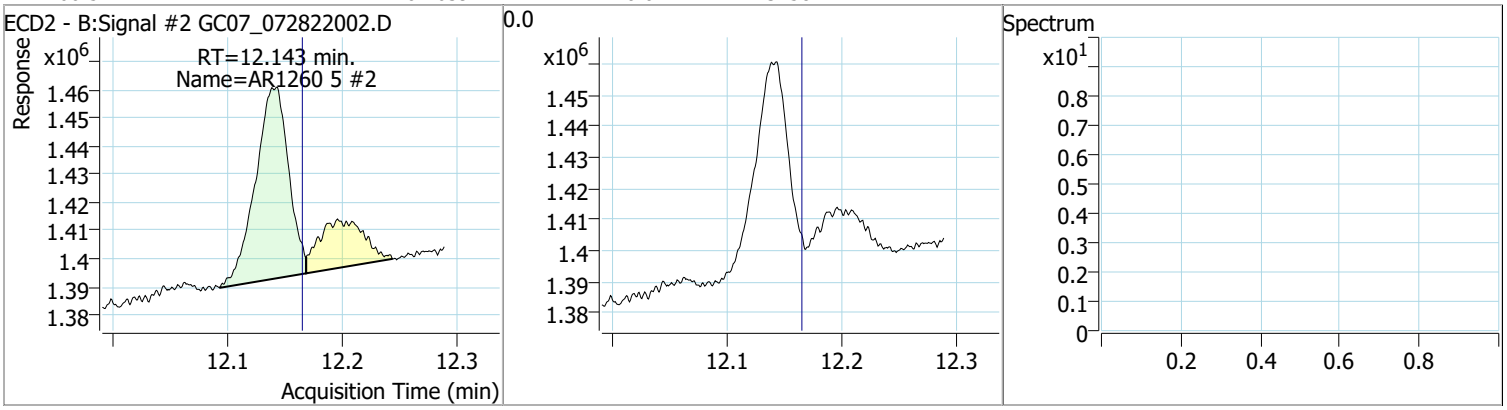
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	21.9165	11.22	0.00	378681				



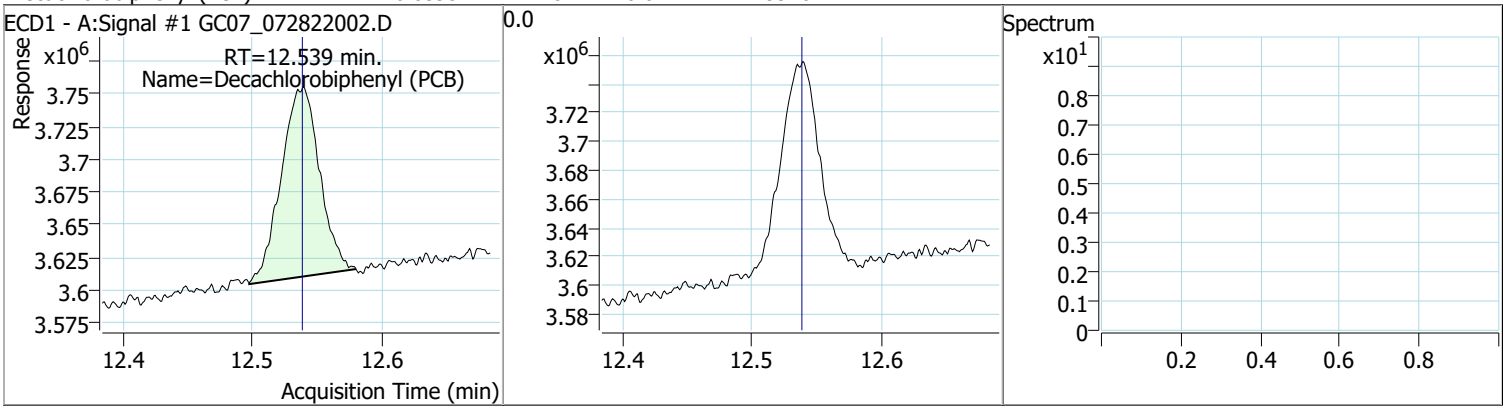
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	19.3502	11.44	0.01	86320				



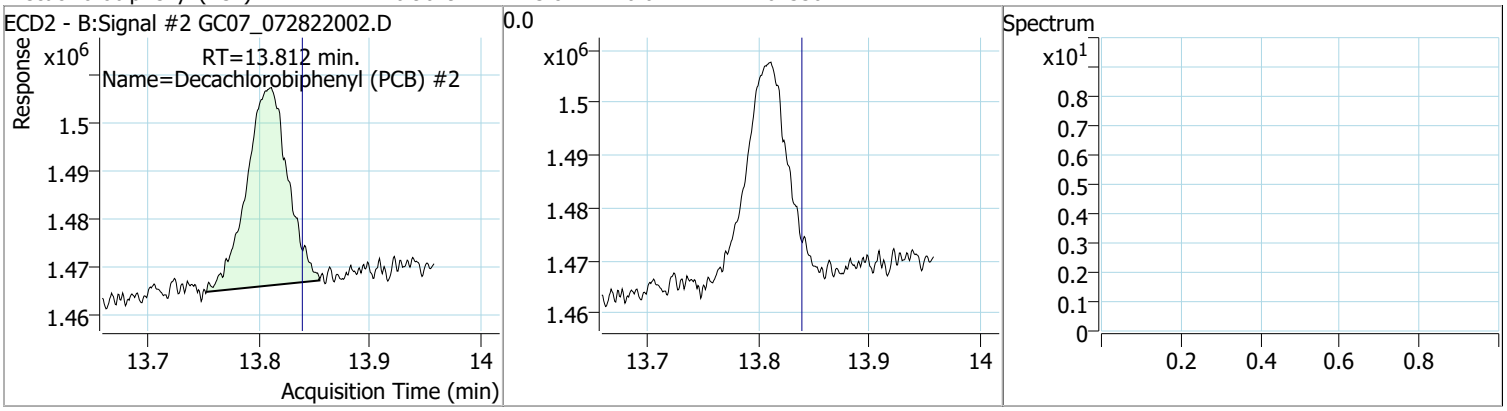
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	20.2639	12.14	0.02	137584				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	0.8395	12.54	0.01	299287				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	0.9049	13.81	0.02	107330				

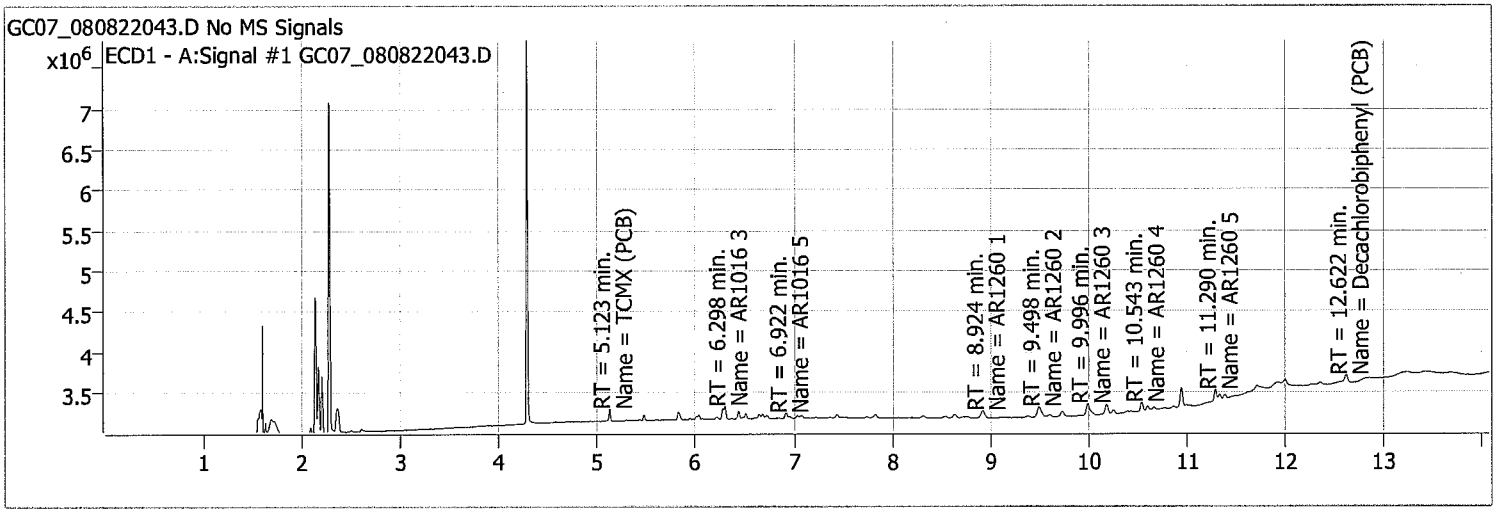


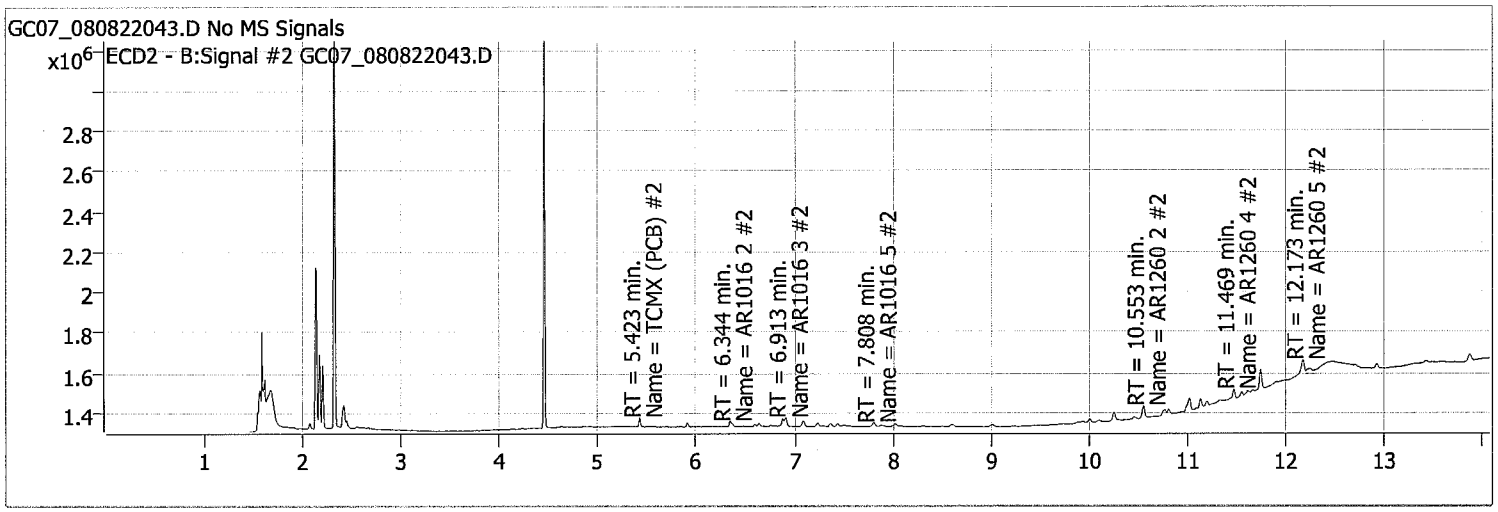
GC07 ICAL Low Point

Quantitation Results Report (Not Reviewed)

Agilent

Data File	GC07_080822043.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/8/2022 10:41:25 PM
Sample Name	ICAL, S16726, 100	Instrument	SVOA-GC07
Vial	91	Multiplier	1.00
DA Method File	PCB_608_080822_GC07_1.m	Comment	20 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	080822.batch.bin	Last Calib Update	8/9/2022 3:43:56 PM
Ref Library			





Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	4459150.372	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.453	0.0	1670176.821	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.123	0.0	170967.576	0.8756	ng/ml	0.000
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~4.38%~~ 109.4% *		
S TCMX (PCB) #2	5.423	0.0	52052.701	0.7376	ng/ml	0.000
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~3.69%~~ 92.2% *		
S Decachlorobiphenyl (PCB)	12.622	0.0	300845.735	0.0000	ng/ml	0.001
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~0.00%~~ ☆ *		
S Decachlorobiphenyl (PCB) #2	13.875	0.0	77792.507	0.8301	ng/ml	-0.001
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~4.15%~~ 103.8% *		
Target Compounds						QValue
T AR1016 1	5.472	0.0	88539.395	22.1555	ng/ml	100
T AR1016 2	5.826	0.0	185658.461	23.2377	ng/ml	100
T AR1016 1 #2	5.909	0.0	27153.695	18.1513	ng/ml	100

Spike = 0.8 DD 12/22/22

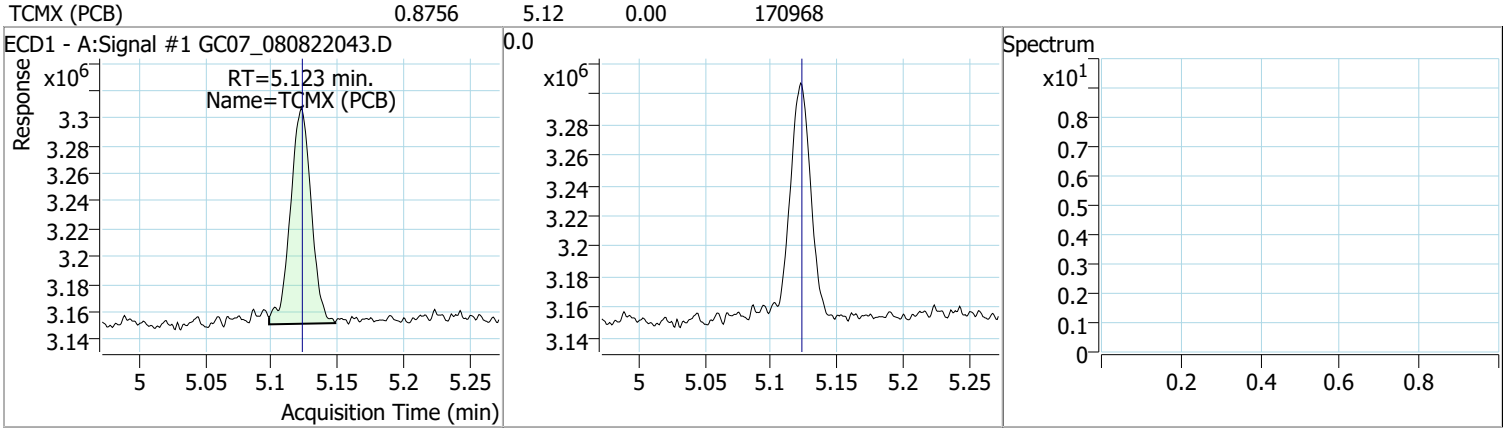
DD 12/22/22

☆ 0.8 level not used on this channel

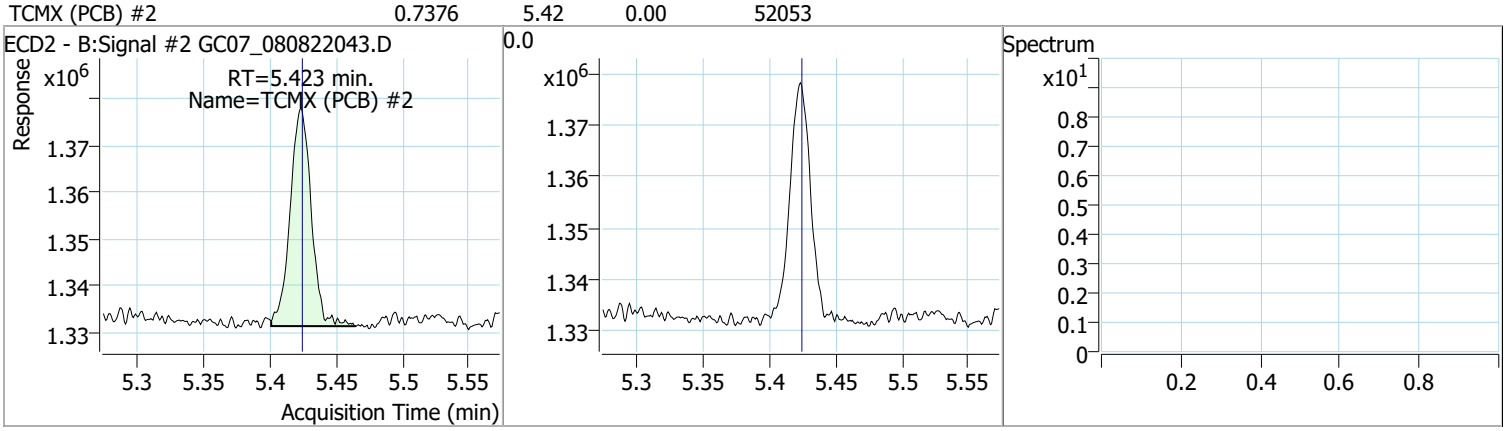
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.298	0.0	212843.051	0.0000	ng/ml	m	100
T AR1016 2 #2	6.344	0.0	63464.599	19.7781	ng/ml		100
T AR1016 4	6.438	0.0	149522.156	23.3723	ng/ml		100
T AR1016 3 #2	6.913	0.0	80968.215	20.7657	ng/ml		100
T AR1016 5	6.922	0.0	128053.285	22.8616	ng/ml		100
T AR1016 4 #2	7.093	0.0	59280.401	20.9902	ng/ml		100
T AR1016 5 #2	7.808	0.0	44025.351	20.0991	ng/ml		100
T AR1260 1	8.924	0.0	264220.433	23.7476	ng/ml		100
T AR1260 2	9.498	0.0	384766.795	23.0224	ng/ml		100
T AR1260 3	9.996	0.0	435200.656	23.8162	ng/ml		100
T AR1260 1 #2	10.254	0.0	98064.501	20.8498	ng/ml		100
T AR1260 4	10.543	0.0	189618.683	22.8723	ng/ml		100
T AR1260 2 #2	10.553	0.0	121674.343	22.7189	ng/ml		100
T AR1260 3 #2	11.018	0.0	154728.550	21.5717	ng/ml		100
T AR1260 5	11.290	0.0	258812.888	23.7108	ng/ml		100
T AR1260 4 #2	11.469	0.0	65441.547	18.5986	ng/ml		100
T AR1260 5 #2	12.173	0.0	178545.316	31.4288	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

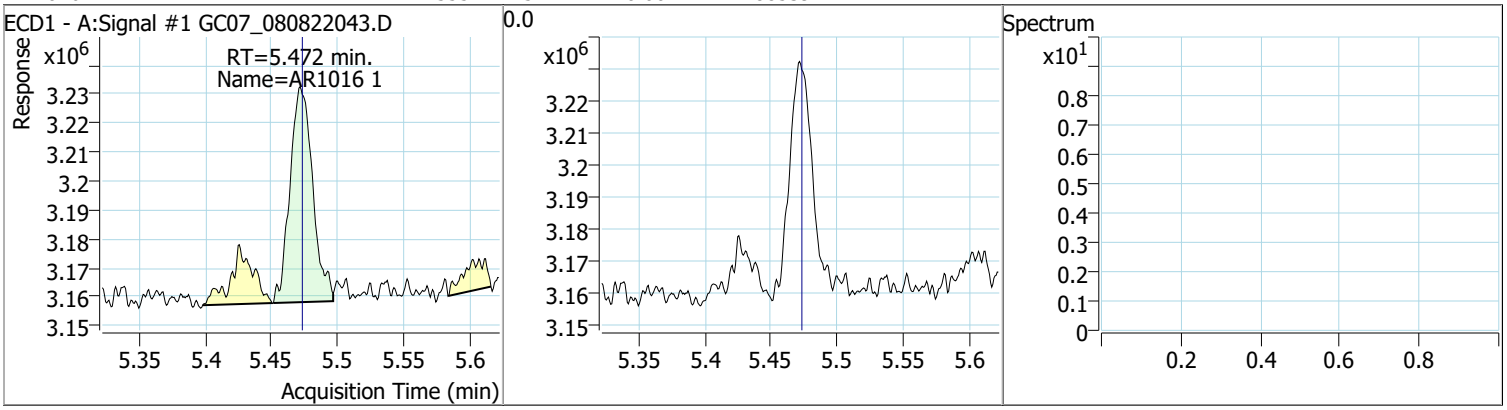
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	0.8756	5.12	0.00	170968				



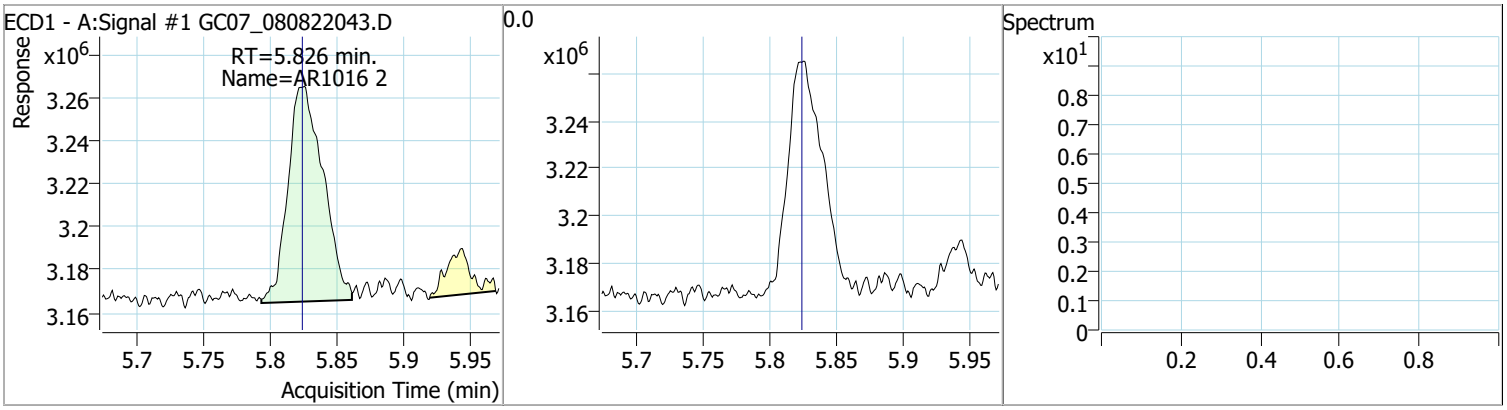
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	0.7376	5.42	0.00	52053				



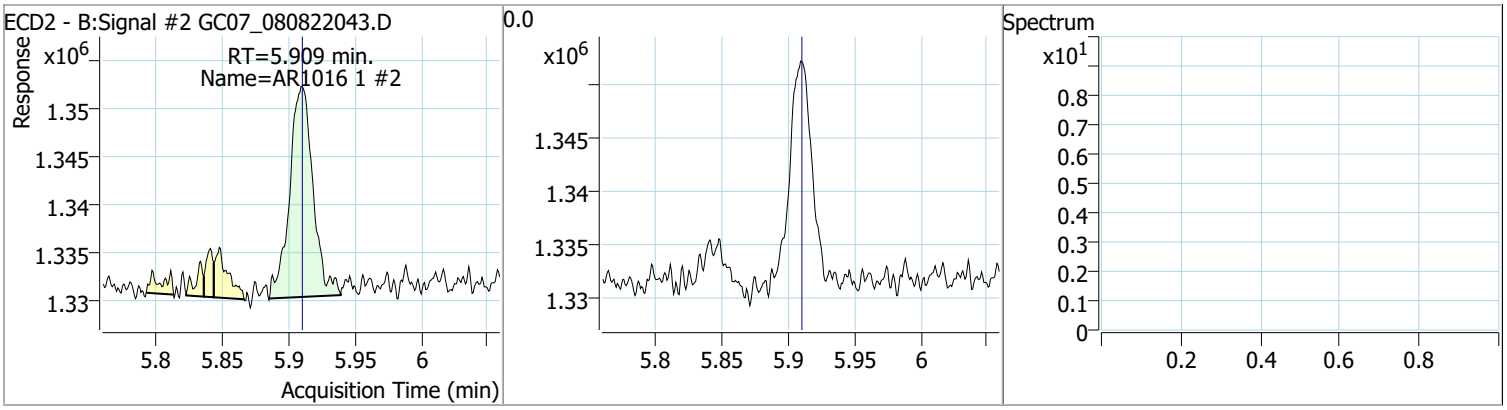
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	22.1555	5.47	0.00	88539				



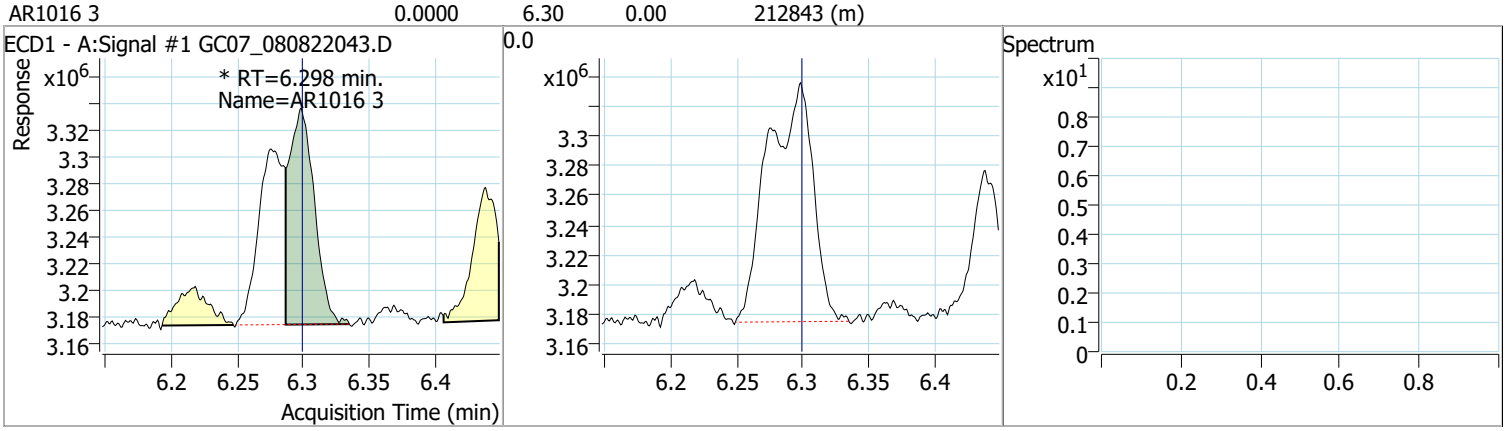
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	23.2377	5.83	0.00	185658				



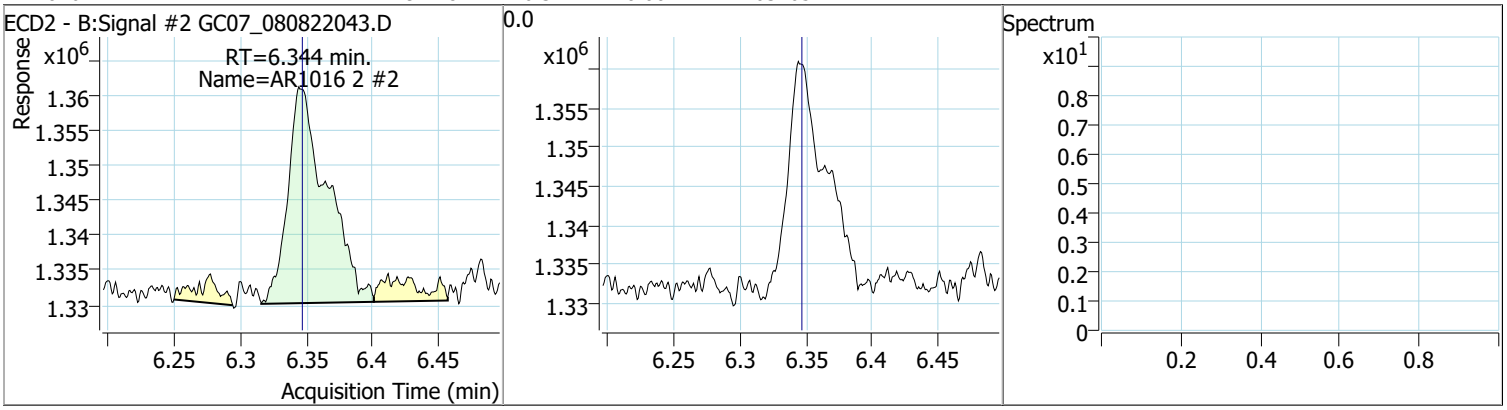
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	18.1513	5.91	0.00	27154				



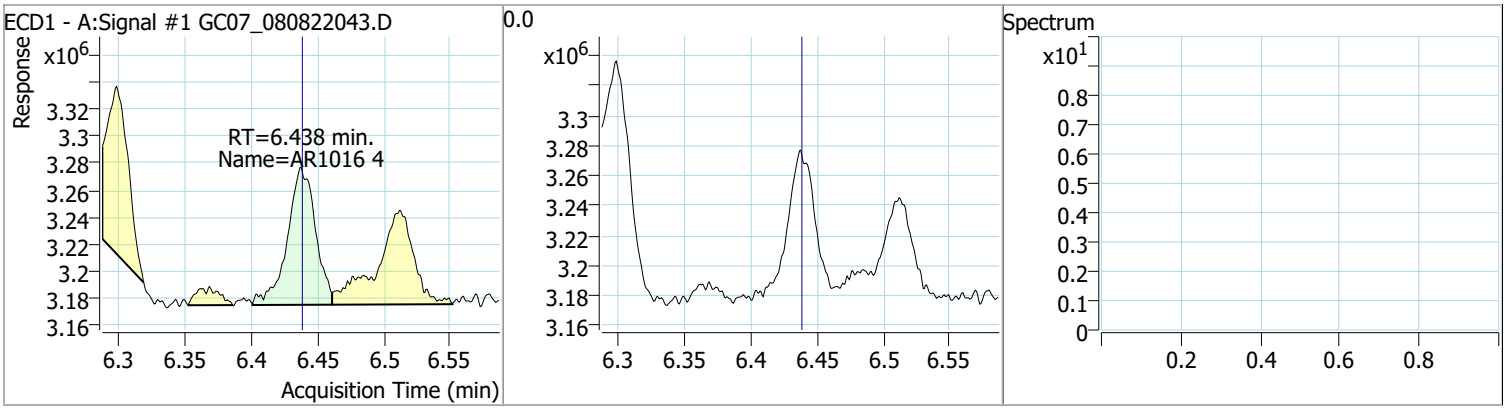
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	0.0000	6.30	0.00	212843 (m)				



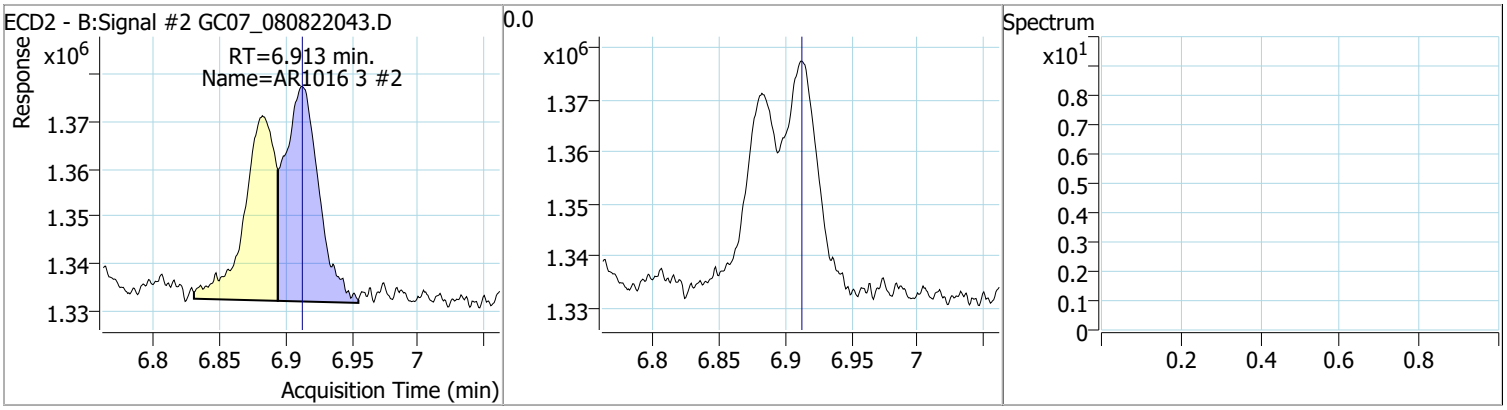
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	19.7781	6.34	0.00	63465				



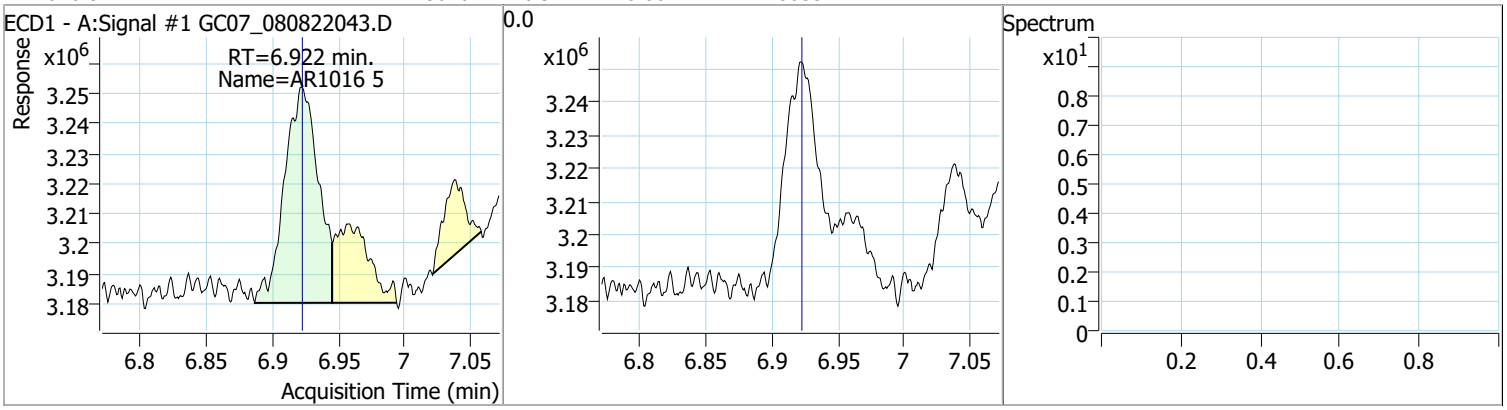
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	23.3723	6.44	0.00	149522				



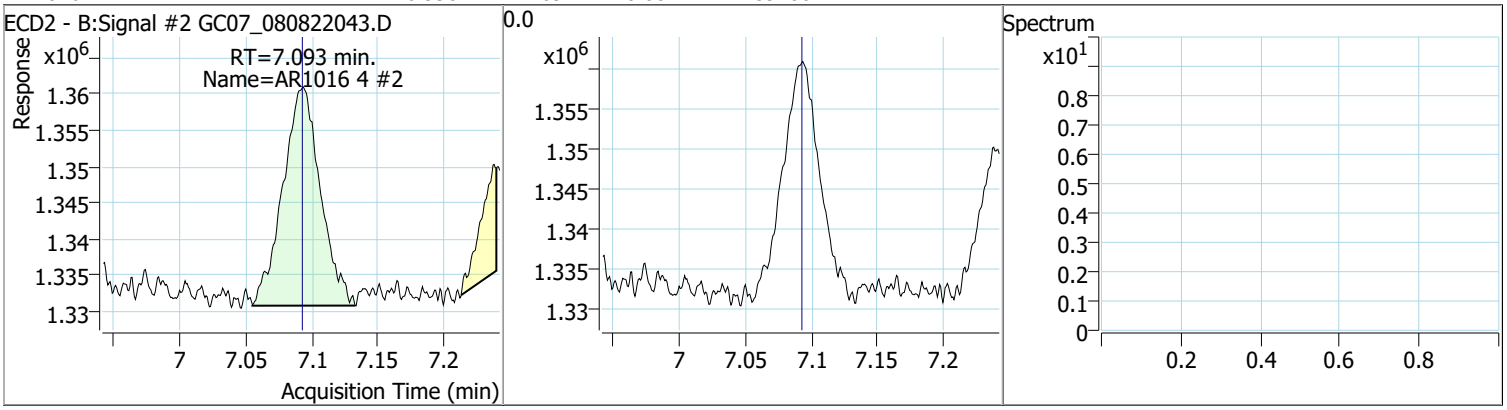
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	20.7657	6.91	0.00	80968				



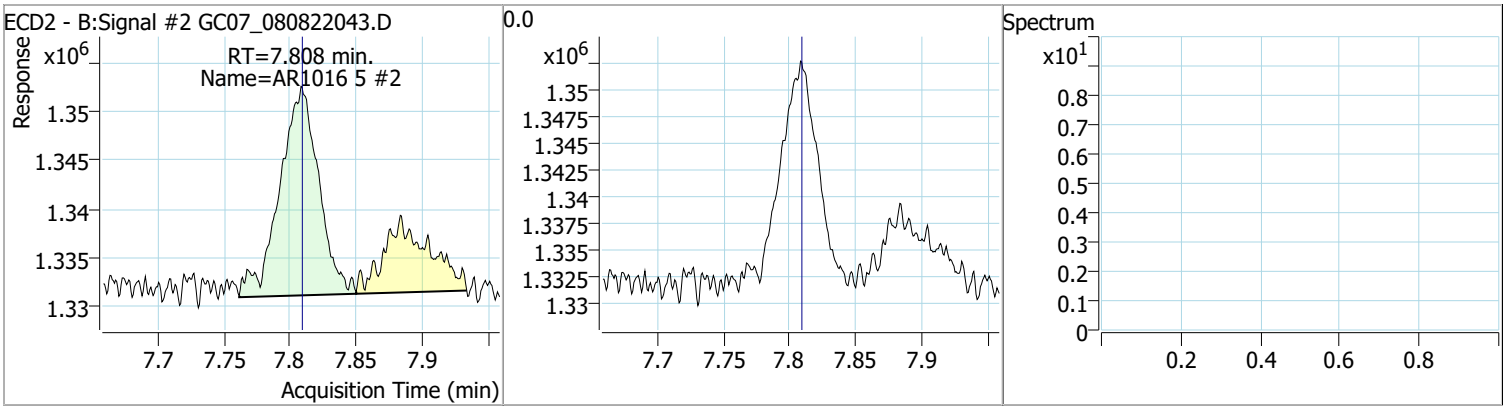
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	22.8616	6.92	0.00	128053				



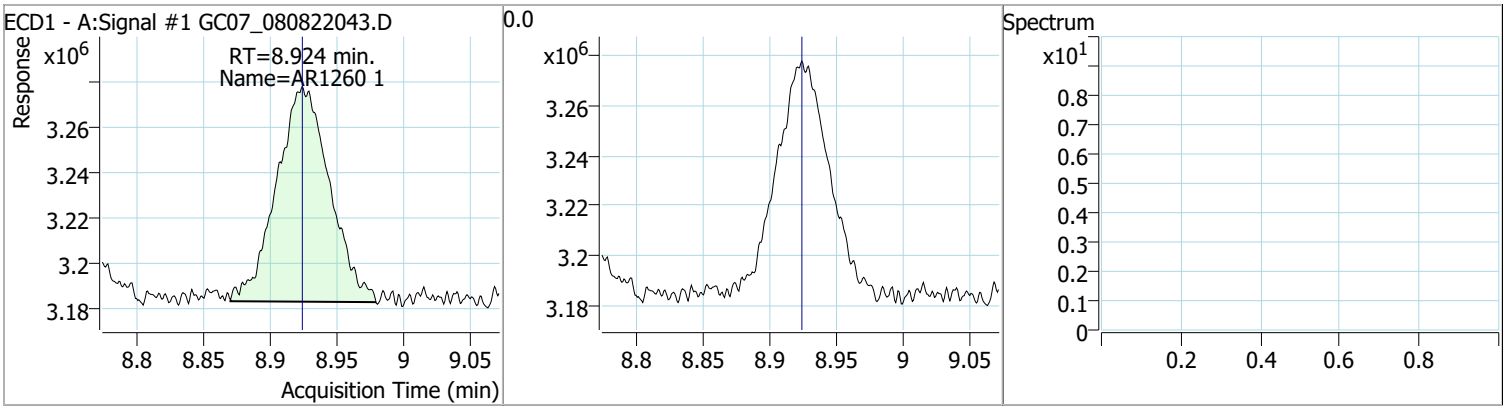
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	20.9902	7.09	0.00	59280				



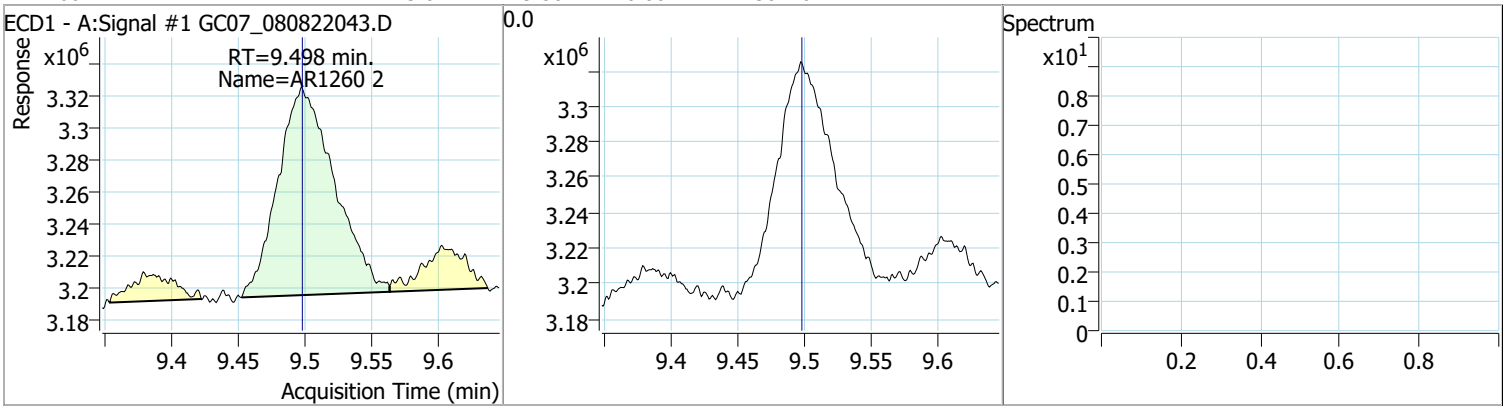
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	20.0991	7.81	0.00	44025				



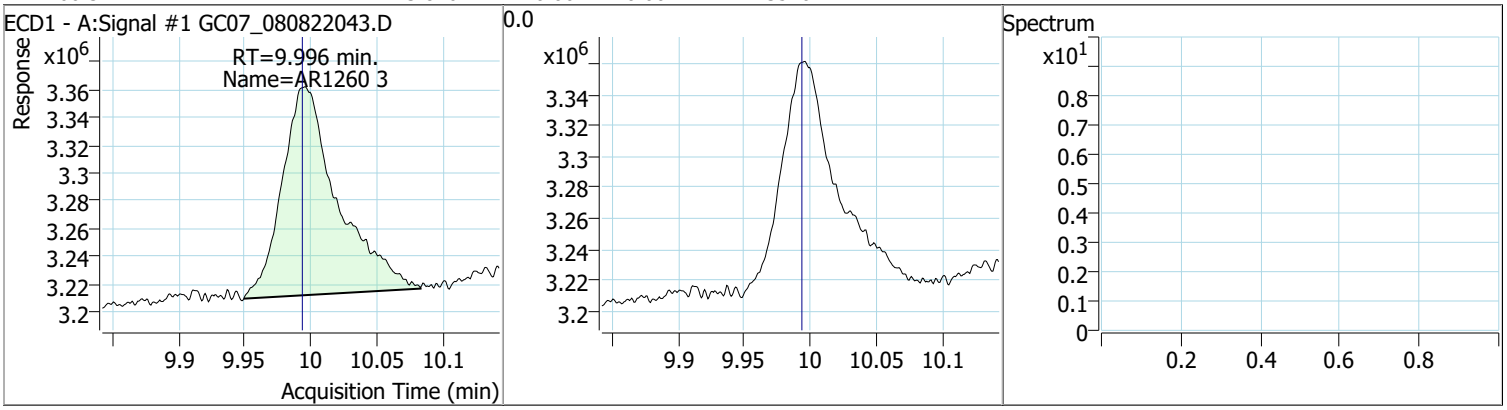
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	23.7476	8.92	0.00	264220				



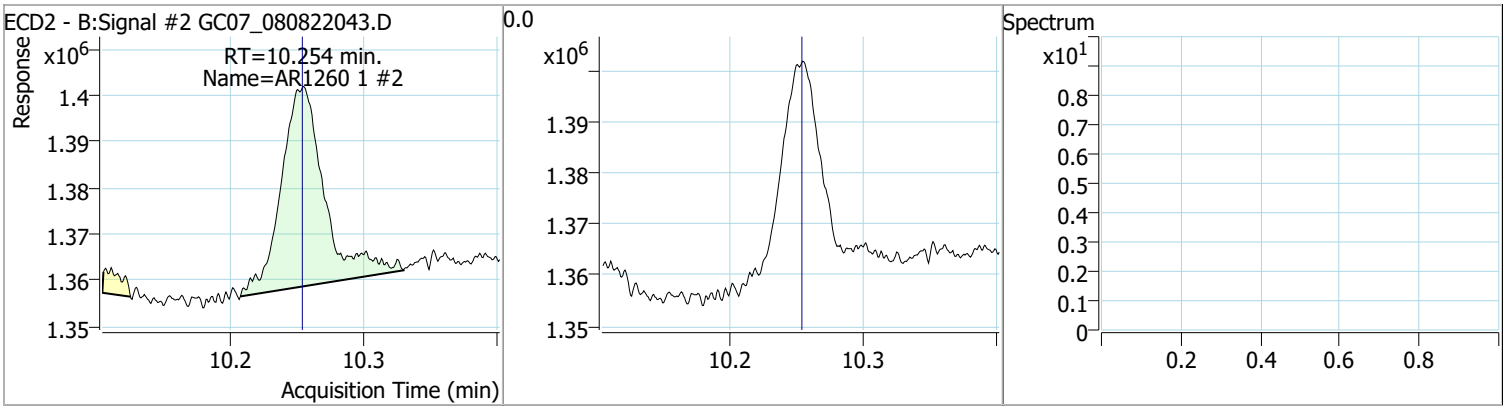
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	23.0224	9.50	0.00	384767				



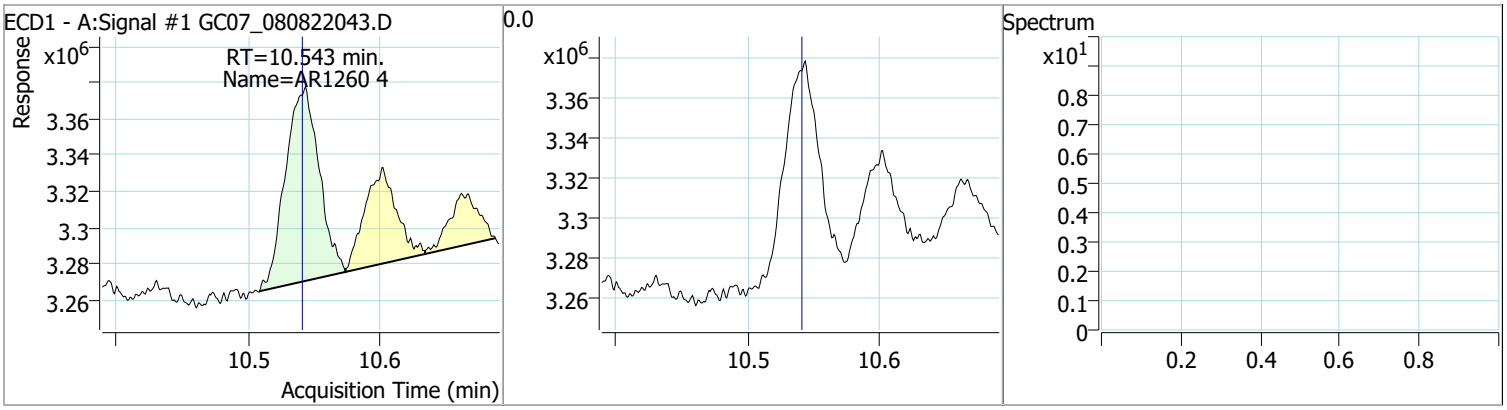
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	23.8162	10.00	0.00	435201				



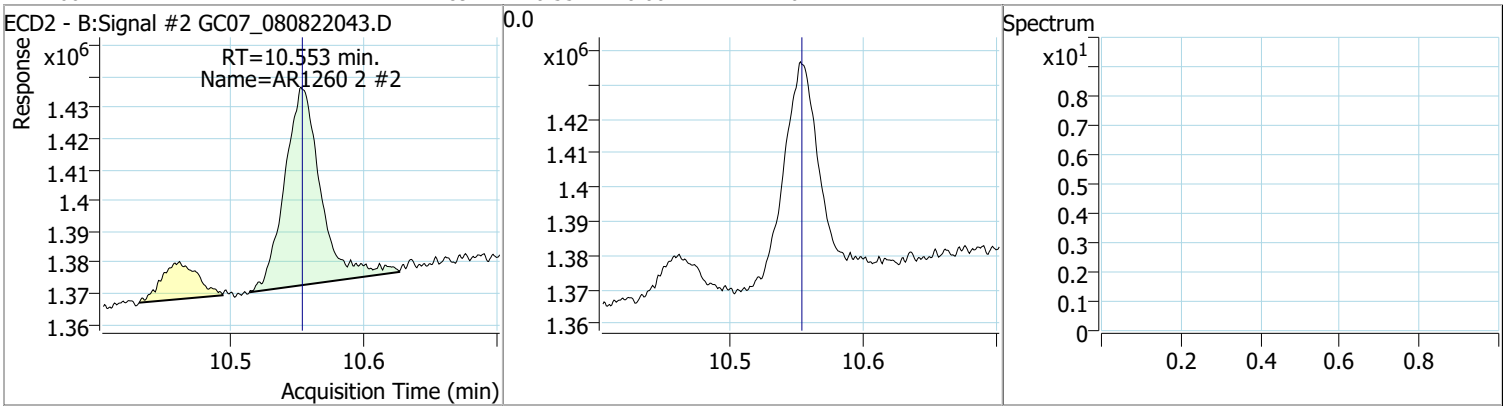
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	20.8498	10.25	0.00	98065				



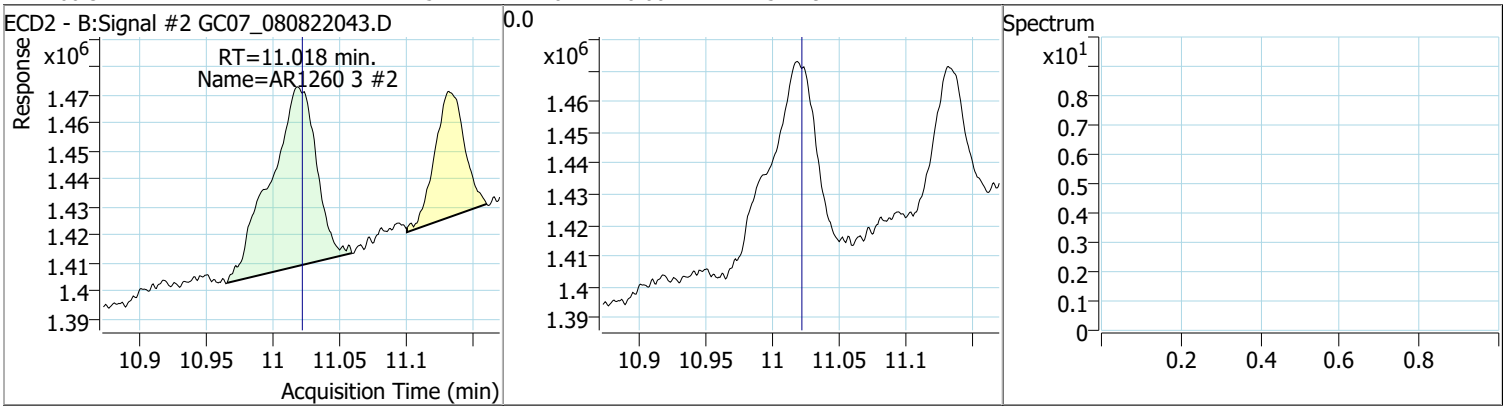
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	22.8723	10.54	0.00	189619				



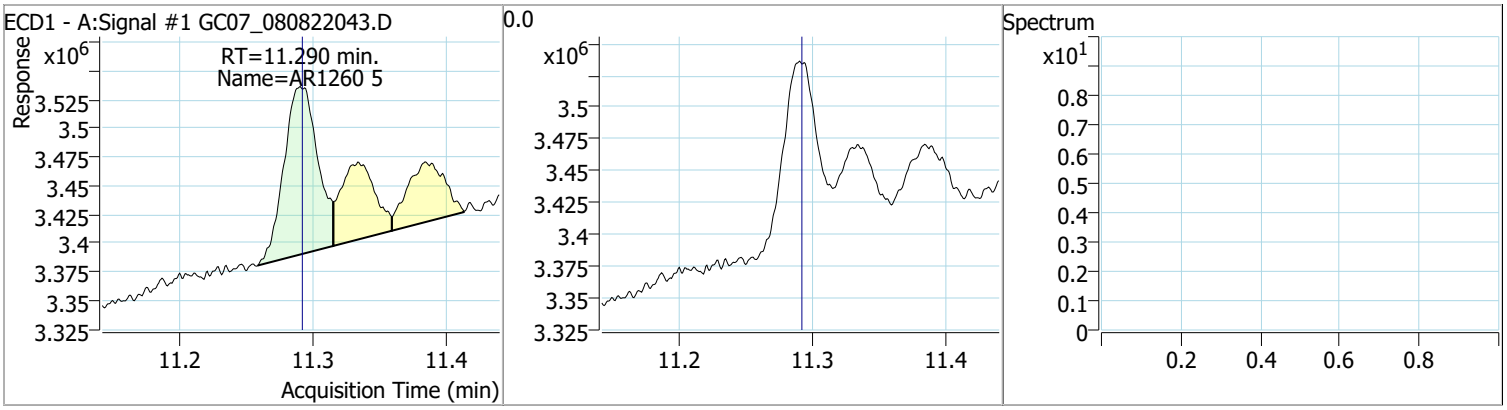
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	22.7189	10.55	0.00	121674				



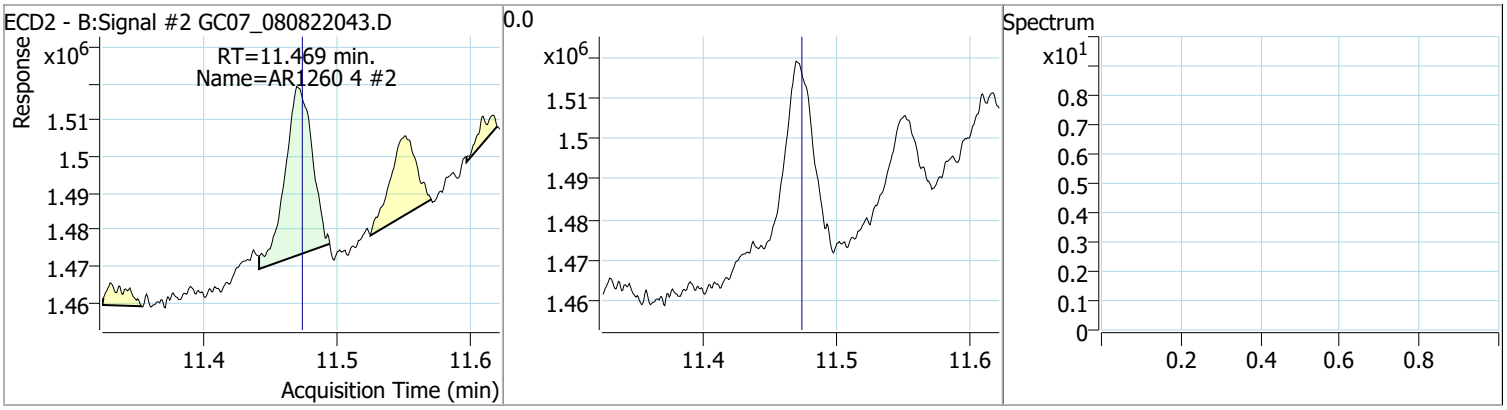
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	21.5717	11.02	0.00	154729				



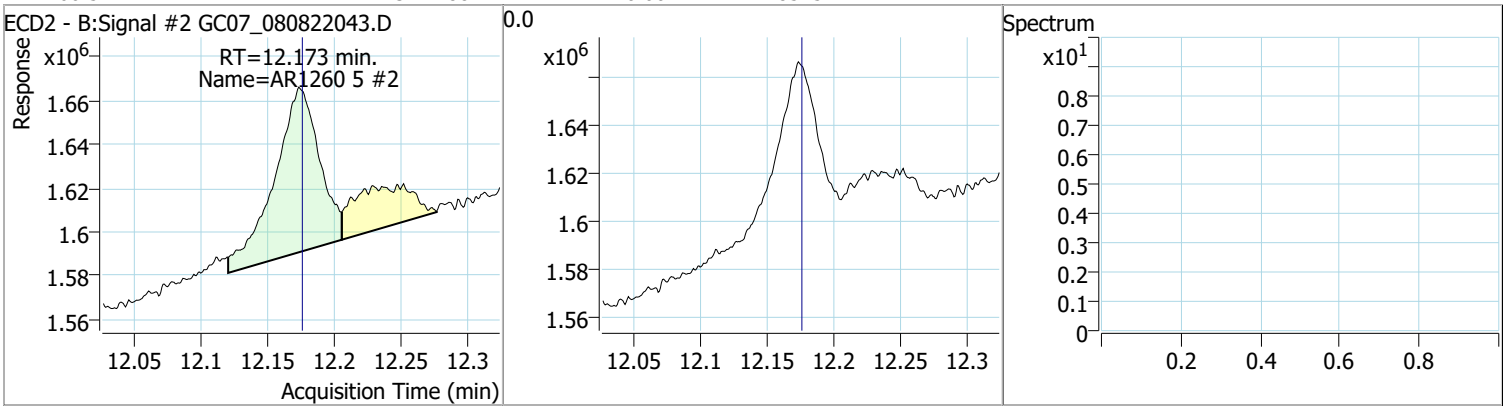
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	23.7108	11.29	0.00	258813				



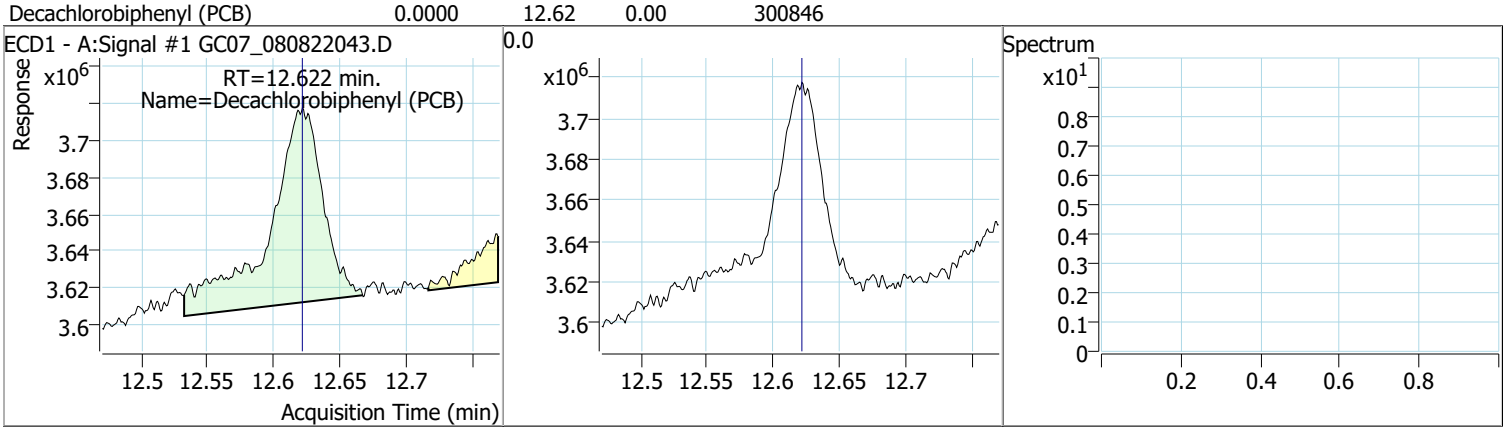
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	18.5986	11.47	0.00	65442				



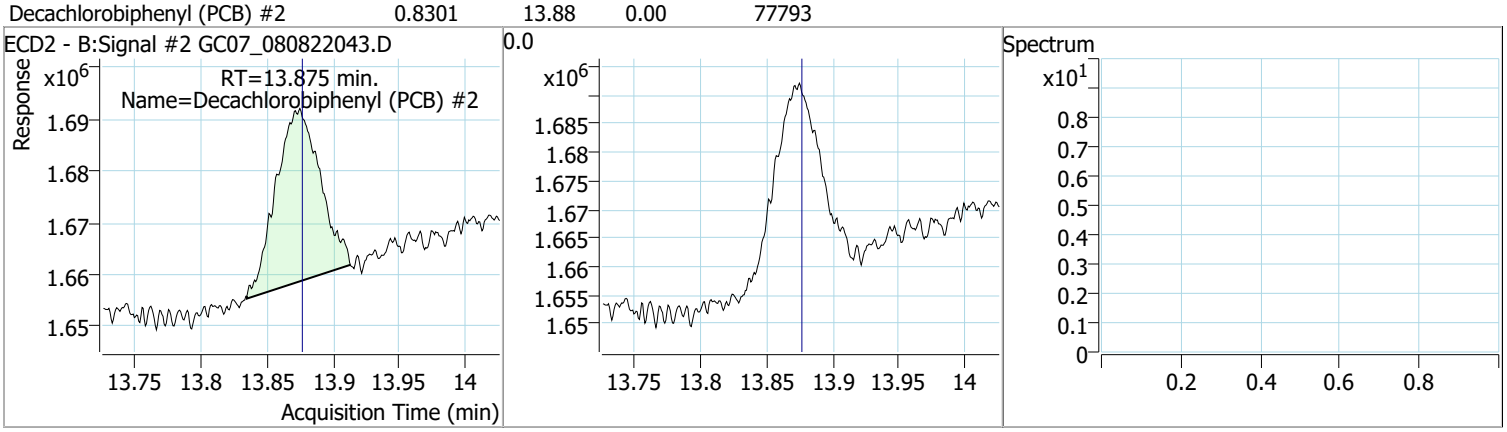
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	31.4288	12.17	0.00	178545				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	0.0000	12.62	0.00	300846				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	0.8301	13.88	0.00	77793				

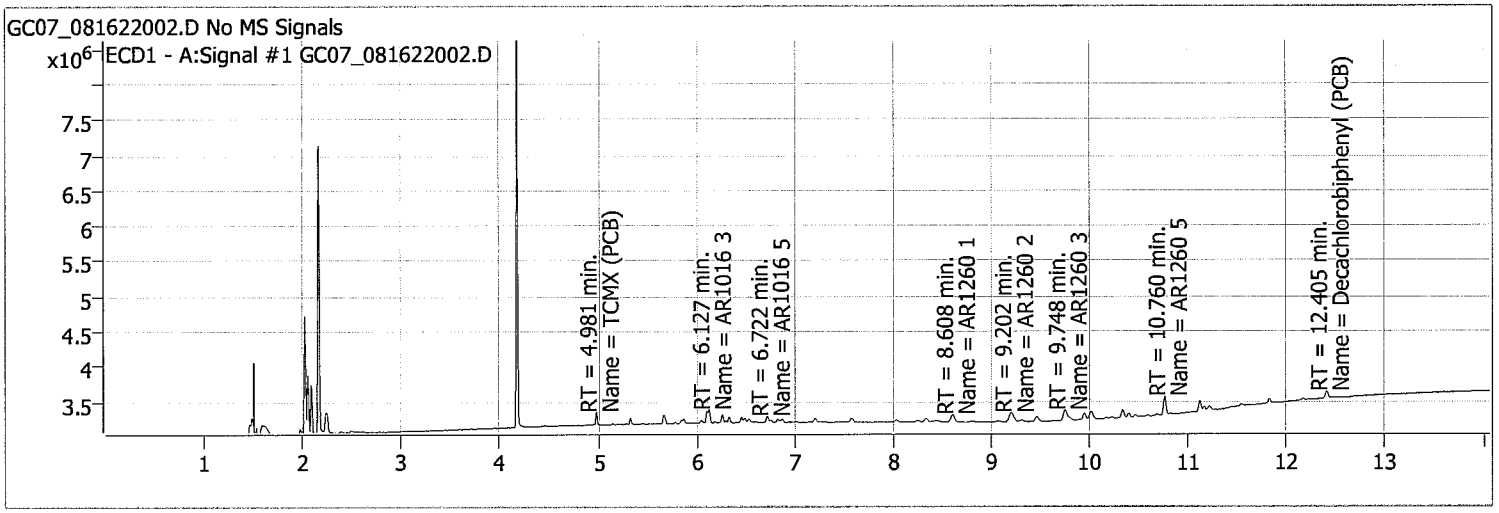


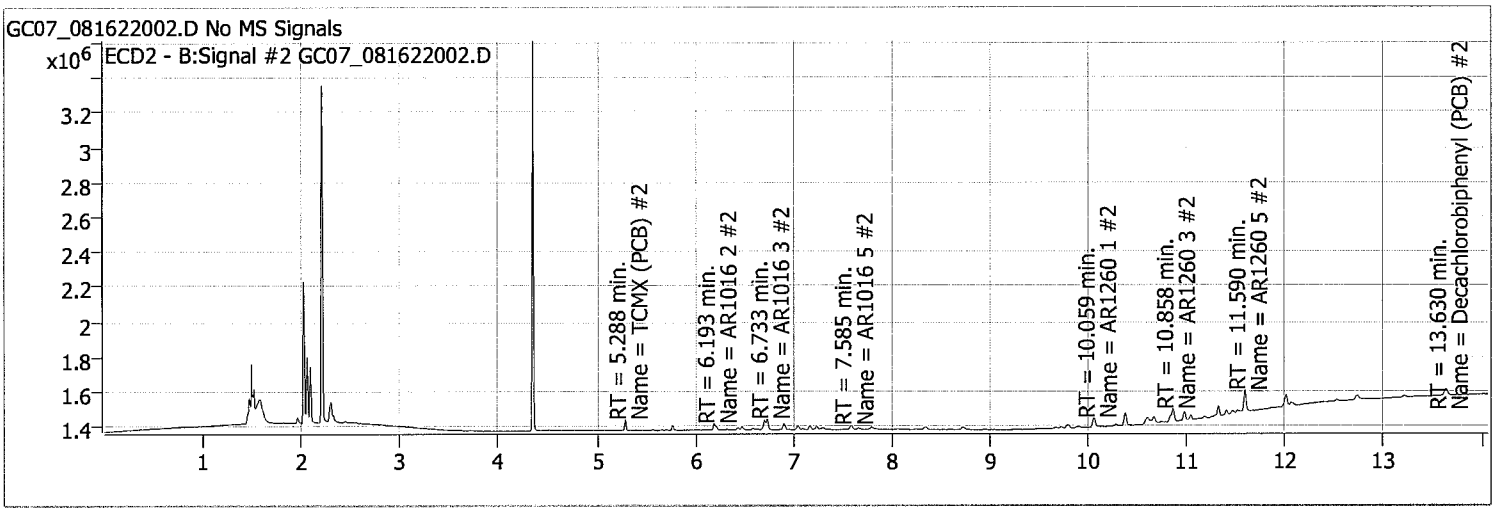
GC07 ICAL Low Point

Quantitation Results Report (Not Reviewed)

Agilent

Data File	GC07_081622002.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/16/2022 7:20:54 PM
Sample Name	ICAL, S16726, 100	Instrument	SVOA-GC07
Vial	31	Multiplier	1.00
DA Method File	PCB_608_081622_GC07_2.m	Comment	20 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	081622PCBICAL.batch.bin	Last Calib Update	8/18/2022 11:24:04 AM
Ref Library			





Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.175	0.0	5237722.113	20.0000	ng/ml	0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.349	0.0	1995008.910	20.0000	ng/ml	0.001
System Monitoring Compounds						
S TCMX (PCB)	4.981	0.0	203955.939	0.8680	ng/ml	0.004
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~4.34%~~ 108.5% *		
S TCMX (PCB) #2	5.288	0.0	65569.219	0.7367	ng/ml	0.002
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~3.68%~~ 92.1% *		
S Decachlorobiphenyl (PCB)	12.405	0.0	197679.952	0.8021	ng/ml	0.009
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = ~~4.01%~~ 100.3% *		
S Decachlorobiphenyl (PCB) #2	13.630	0.0	104897.451	0.8821	ng/ml	-0.001
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~4.41%~~ 110.3% *		
Target Compounds						QValue
T AR1016 1	5.326	0.0	112766.771	24.2153	ng/ml	100
T AR1016 2	5.665	0.0	219520.725	23.2294	ng/ml	100
T AR1016 1 #2	5.769	0.0	38987.031	20.7256	ng/ml	100

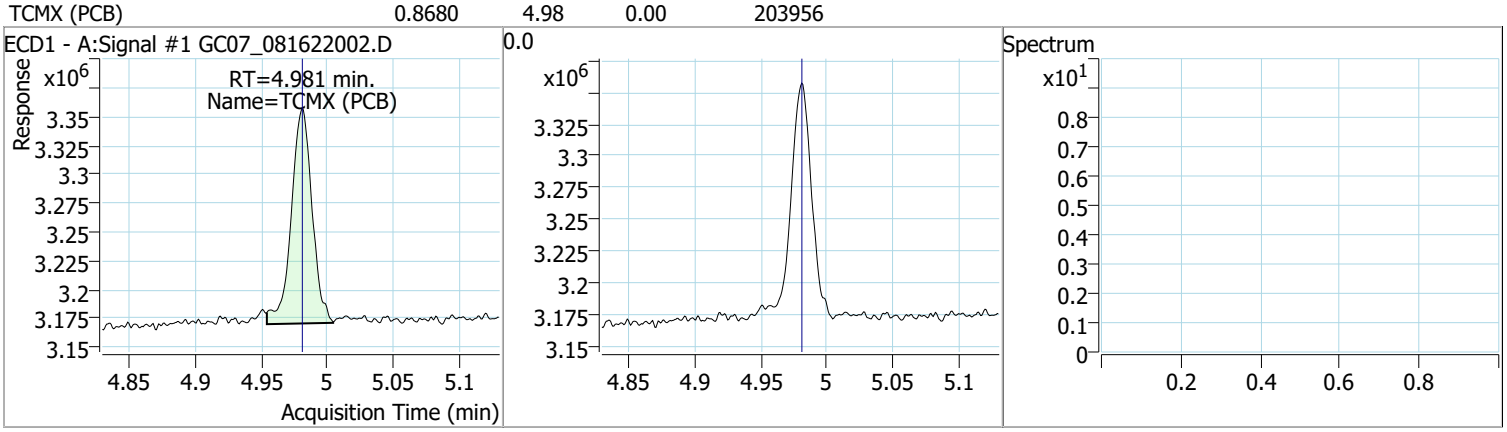
Spike = 0.8 DD 12/22/22

DD 12/22/22

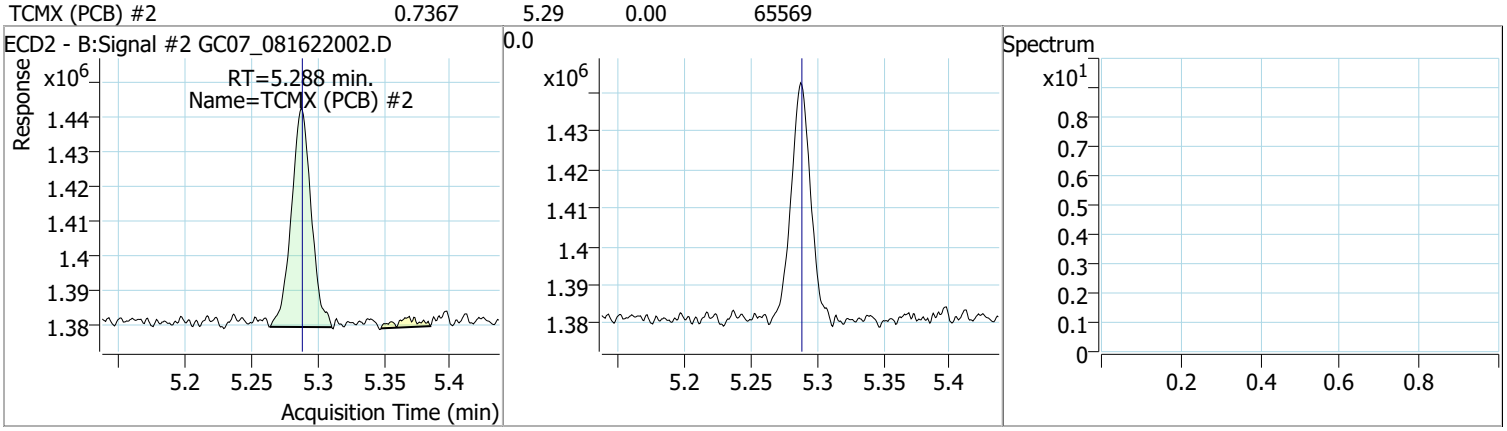
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 3	6.127	0.0	265182.780	23.4049	ng/ml	100
T AR1016 2 #2	6.193	0.0	75397.219	19.3571	ng/ml	100
T AR1016 4	6.263	0.0	176018.485	23.6155	ng/ml	100
T AR1016 5	6.722	0.0	142698.884	21.7605	ng/ml	100
T AR1016 3 #2	6.733	0.0	87578.329	18.4455	ng/ml	100
T AR1016 4 #2	6.905	0.0	63931.285	19.0094	ng/ml	100
T AR1016 5 #2	7.585	0.0	52497.157	19.6541	ng/ml	100
T AR1260 1	8.608	0.0	308551.158	23.2635	ng/ml	100
T AR1260 2	9.202	0.0	434087.011	22.0436	ng/ml	100
T AR1260 3	9.748	0.0	485074.392	22.8690	ng/ml	100
T AR1260 1 #2	10.059	0.0	108477.485	20.0388	ng/ml	100
T AR1260 4	10.334	0.0	215935.680	21.6742	ng/ml	100
T AR1260 2 #2	10.373	0.0	141214.533	21.6918	ng/ml	100
T AR1260 5	10.760	0.0	479167.553	22.5701	ng/ml	100
T AR1260 3 #2	10.858	0.0	182859.250	21.2574	ng/ml	100
T AR1260 4 #2	11.321	0.0	98836.408	21.0049	ng/ml	100
T AR1260 5 #2	11.590	0.0	211221.158	22.7354	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

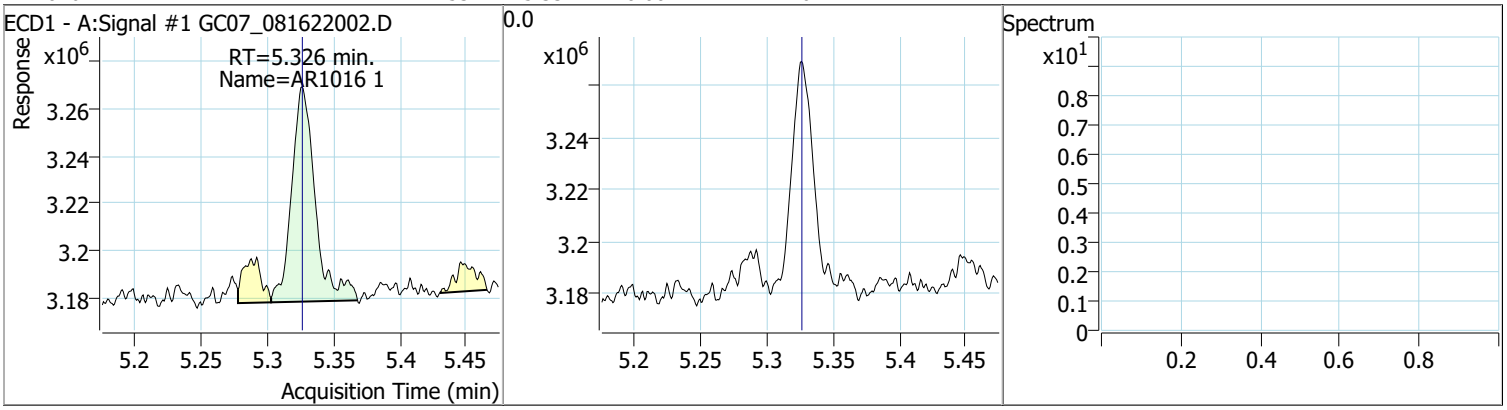
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	0.8680	4.98	0.00	203956				



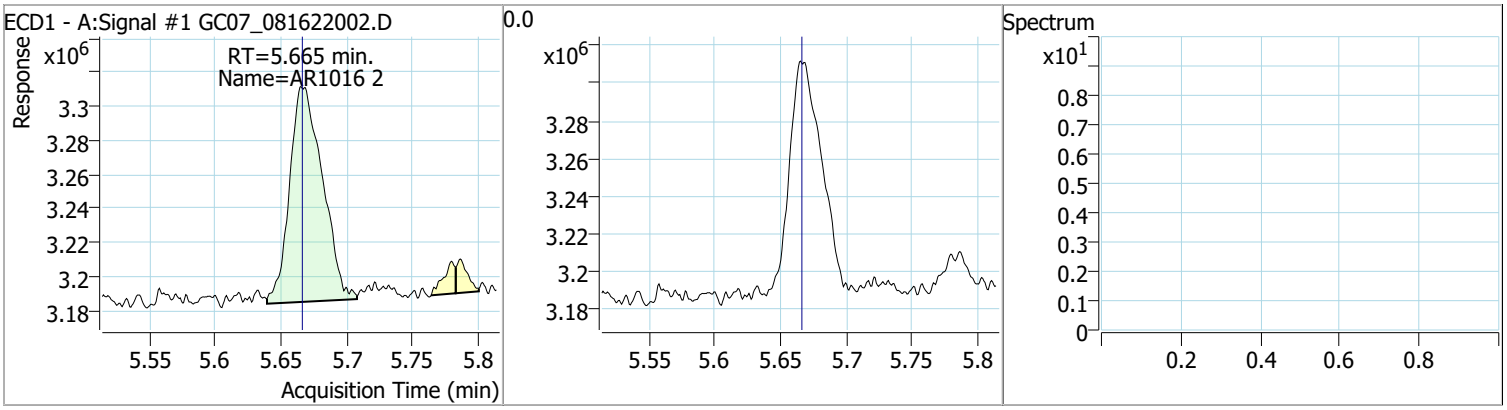
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	0.7367	5.29	0.00	65569				



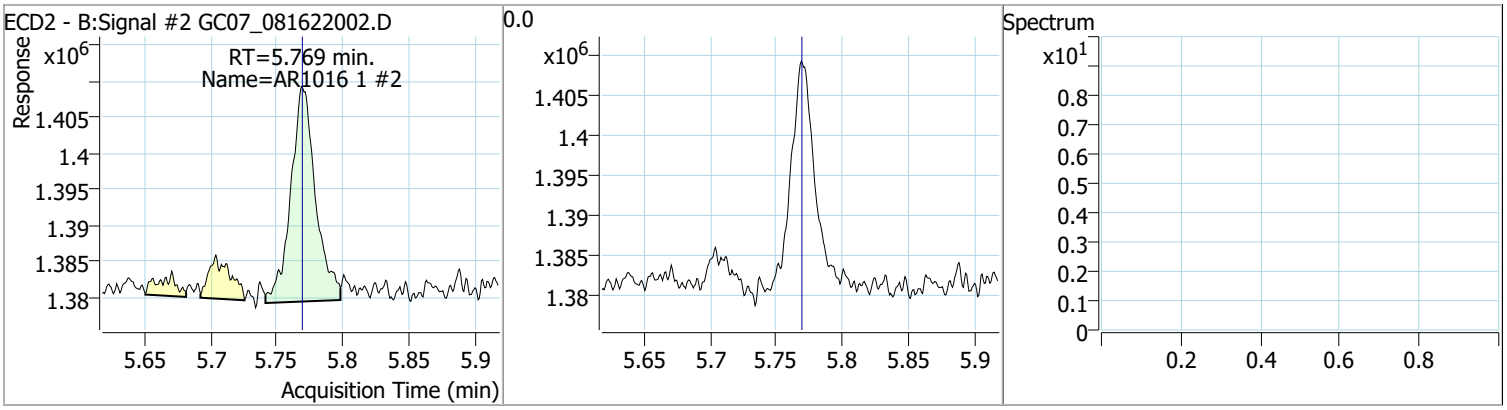
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	24.2153	5.33	0.00	112767				



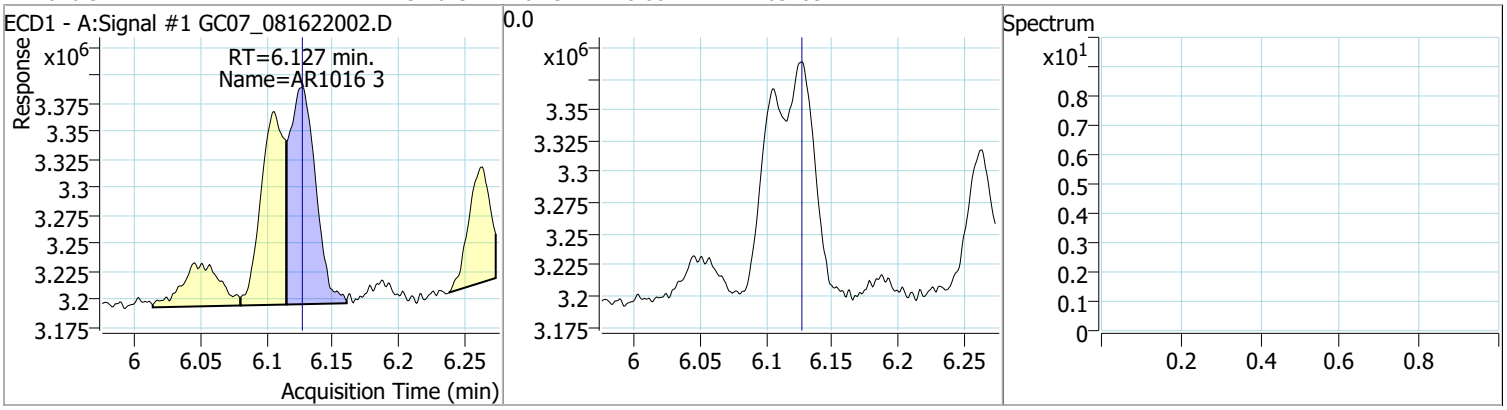
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	23.2294	5.67	0.00	219521				



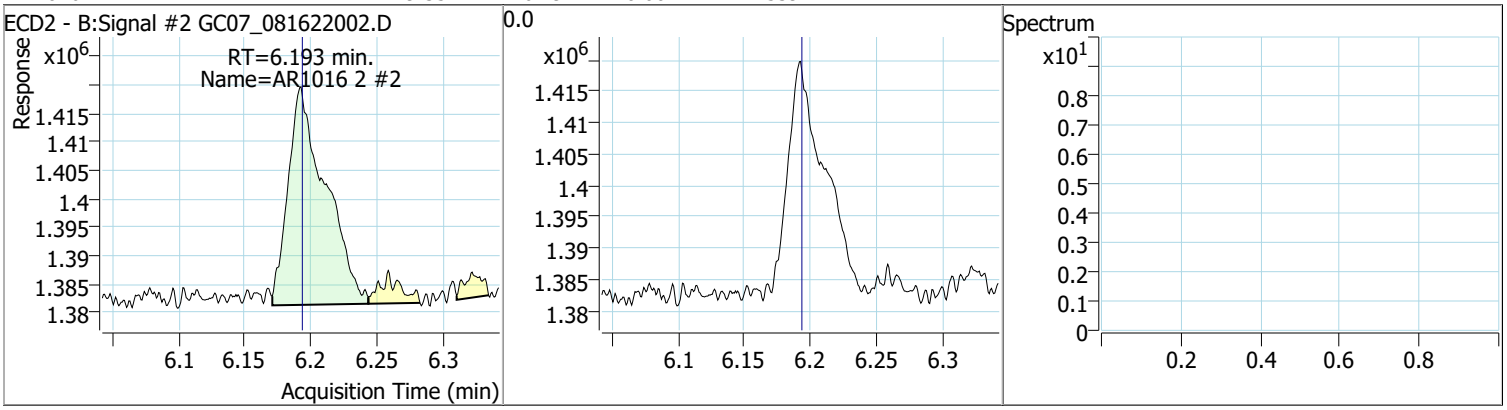
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	20.7256	5.77	0.00	38987				



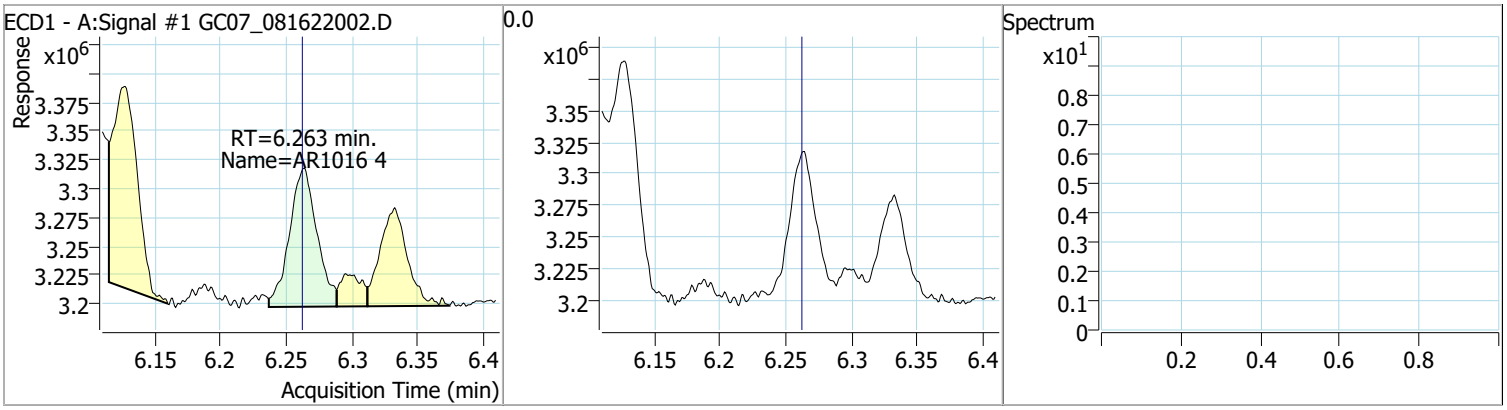
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	23.4049	6.13	0.00	265183				



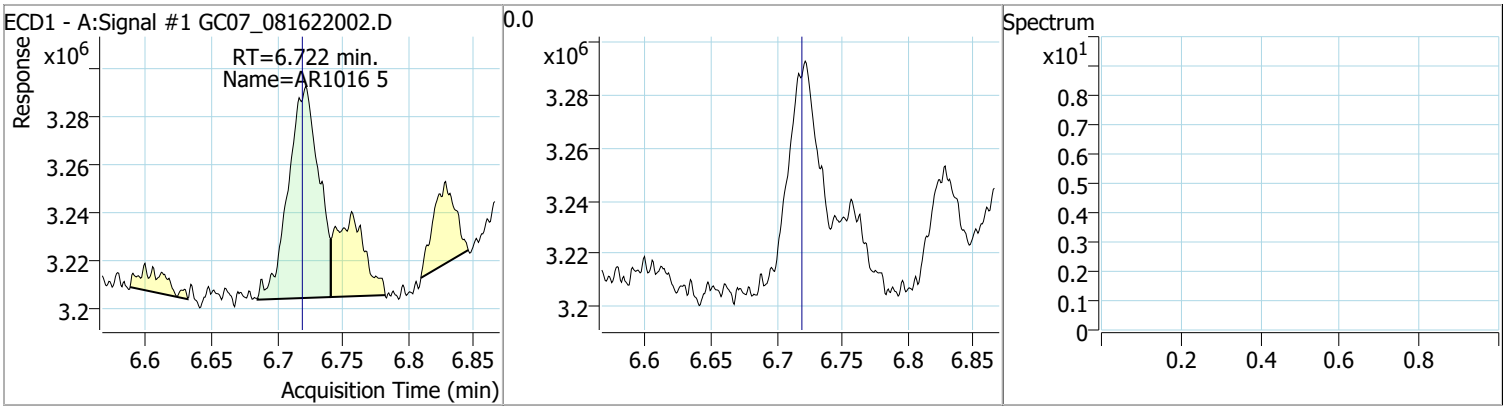
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	19.3571	6.19	0.00	75397				



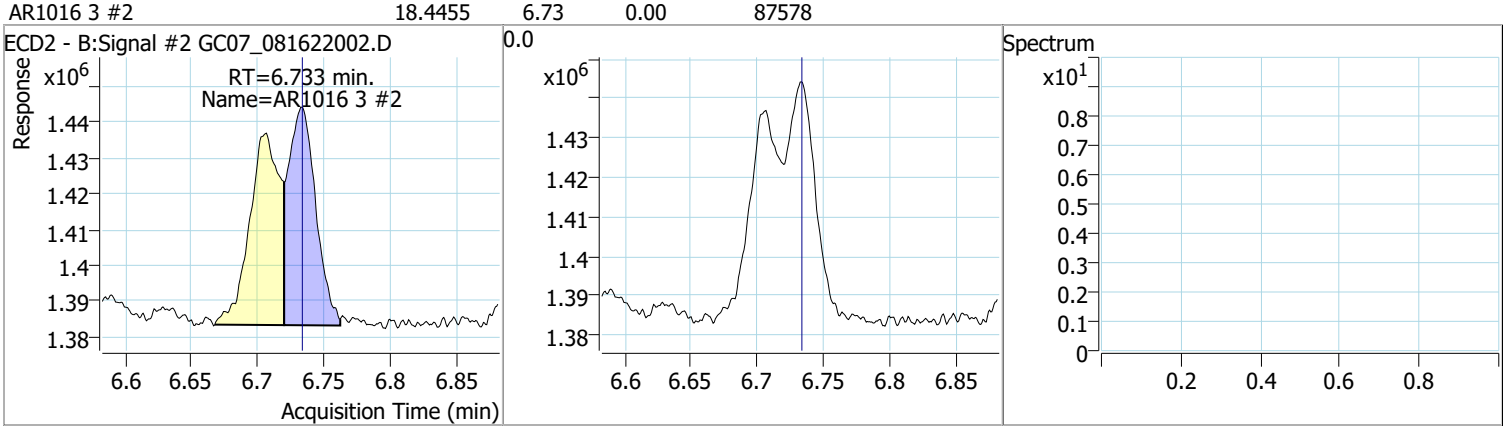
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	23.6155	6.26	0.01	176018				



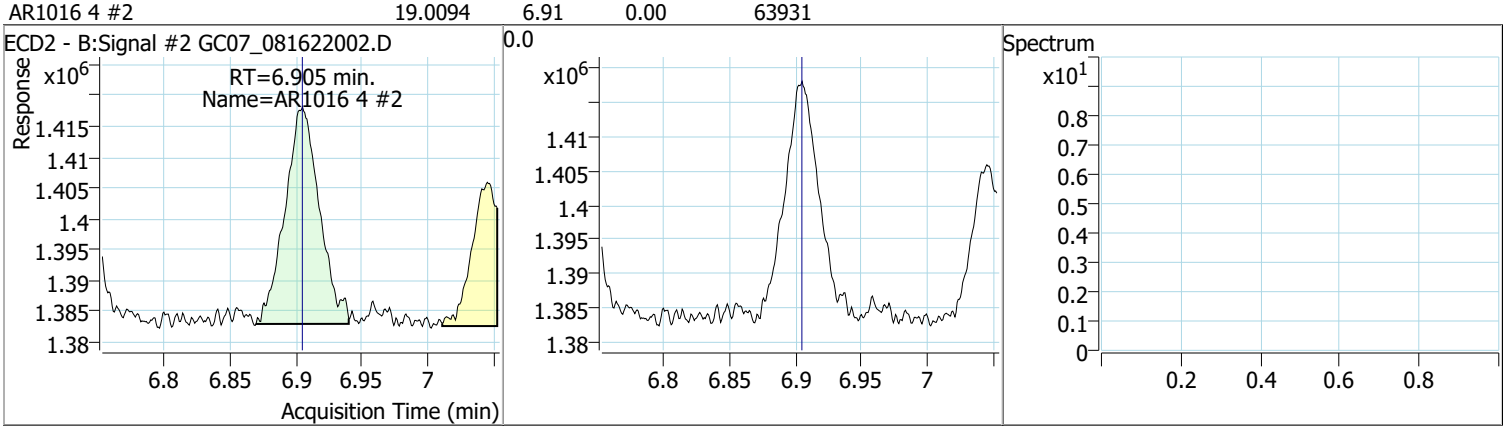
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	21.7605	6.72	0.01	142699				



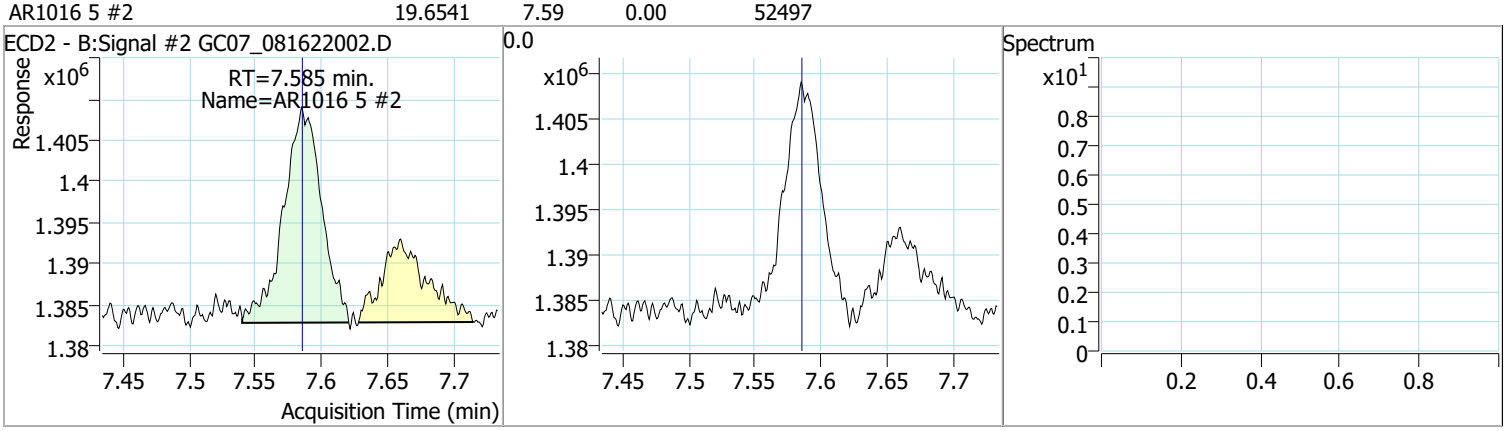
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	18.4455	6.73	0.00	87578				



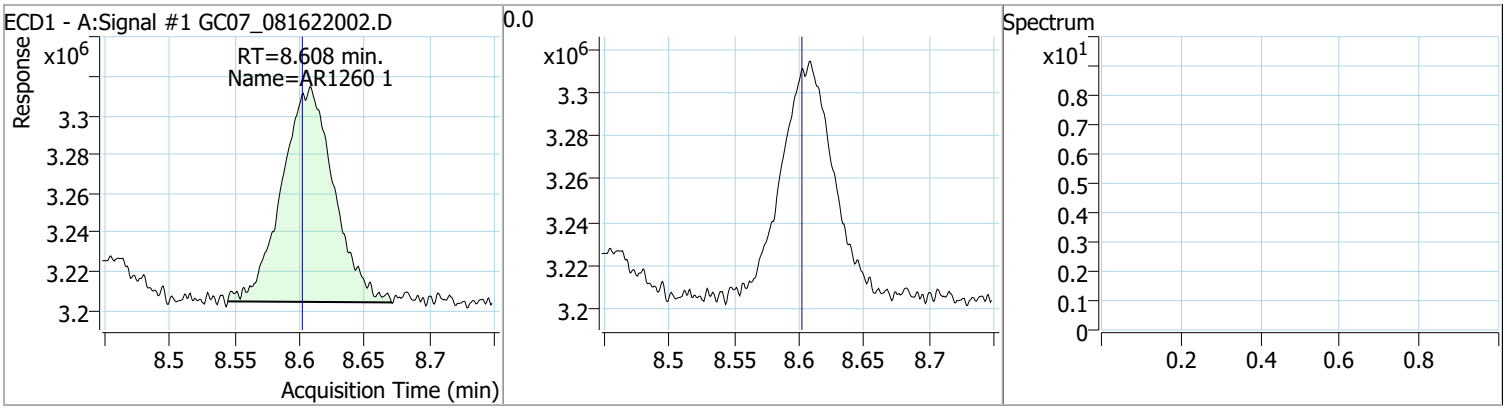
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	19.0094	6.91	0.00	63931				



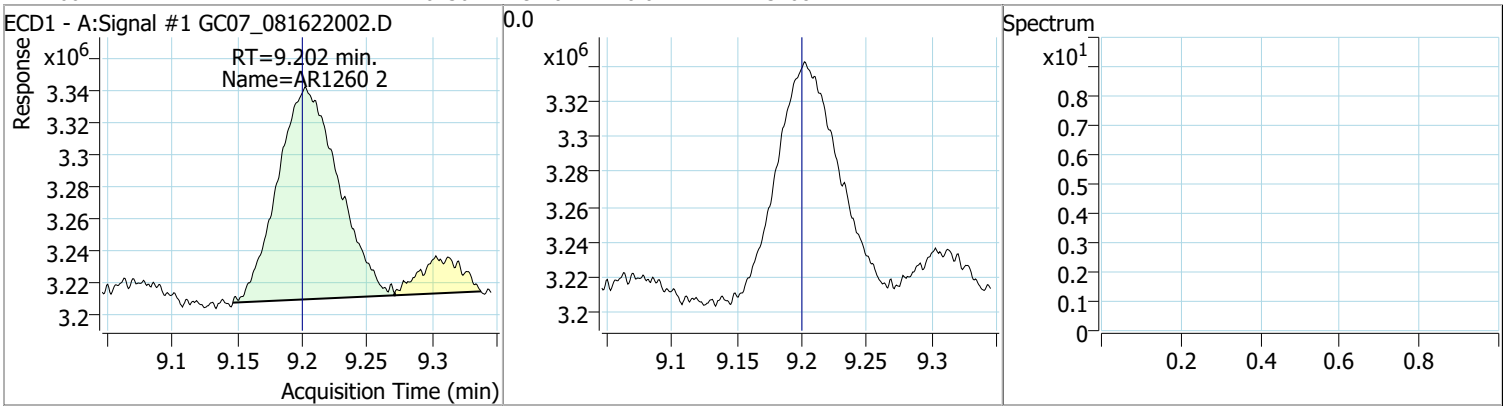
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	19.6541	7.59	0.00	52497				



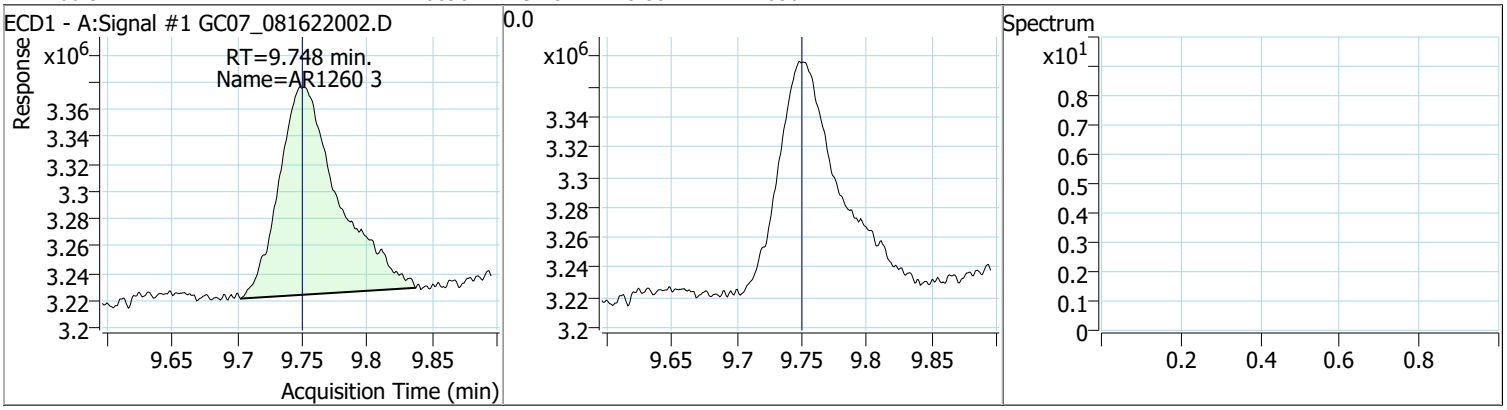
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	23.2635	8.61	0.01	308551				



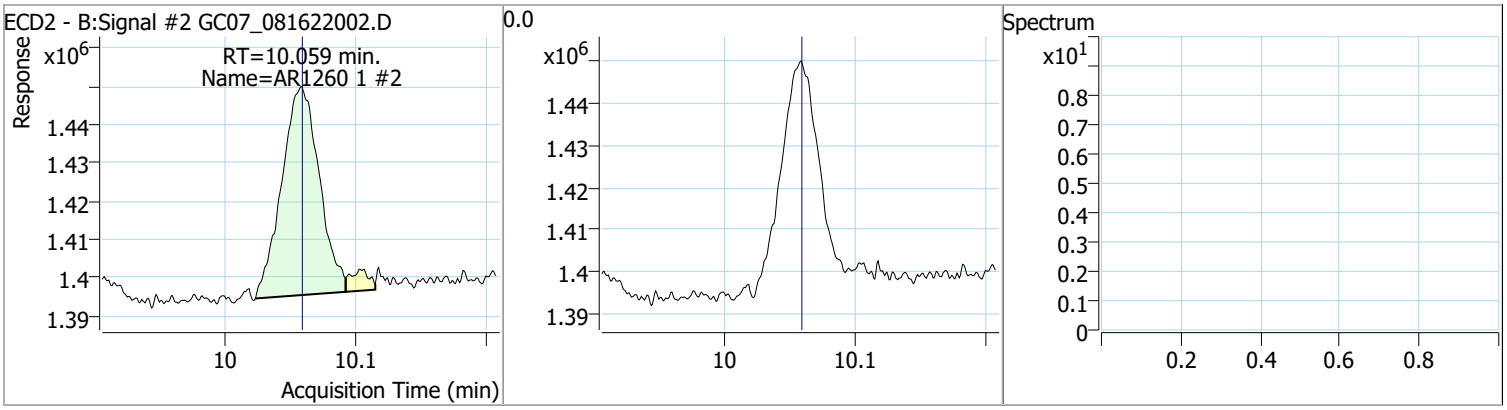
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	22.0436	9.20	0.01	434087				



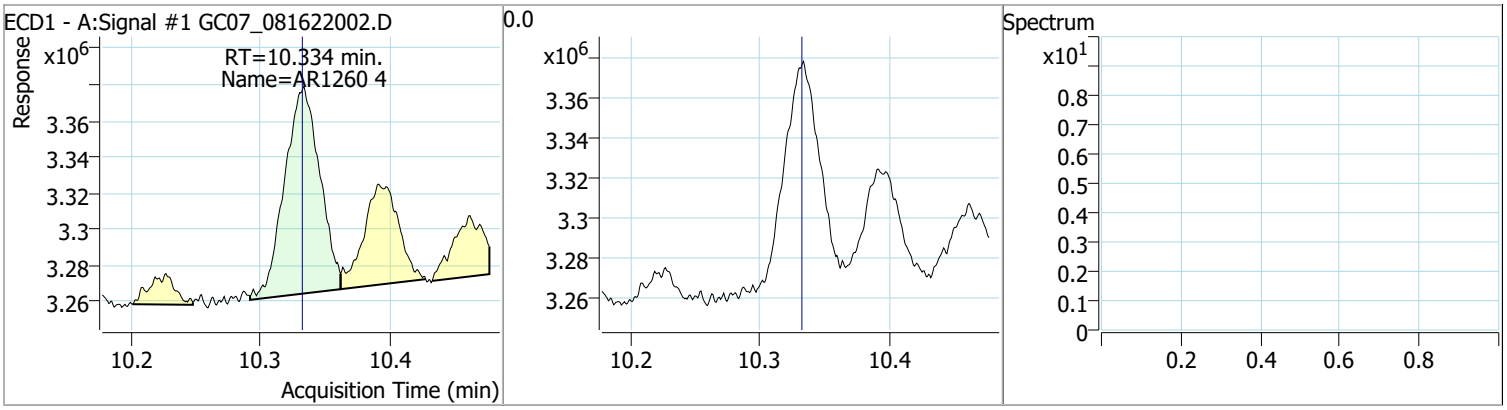
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	22.8690	9.75	0.00	485074				



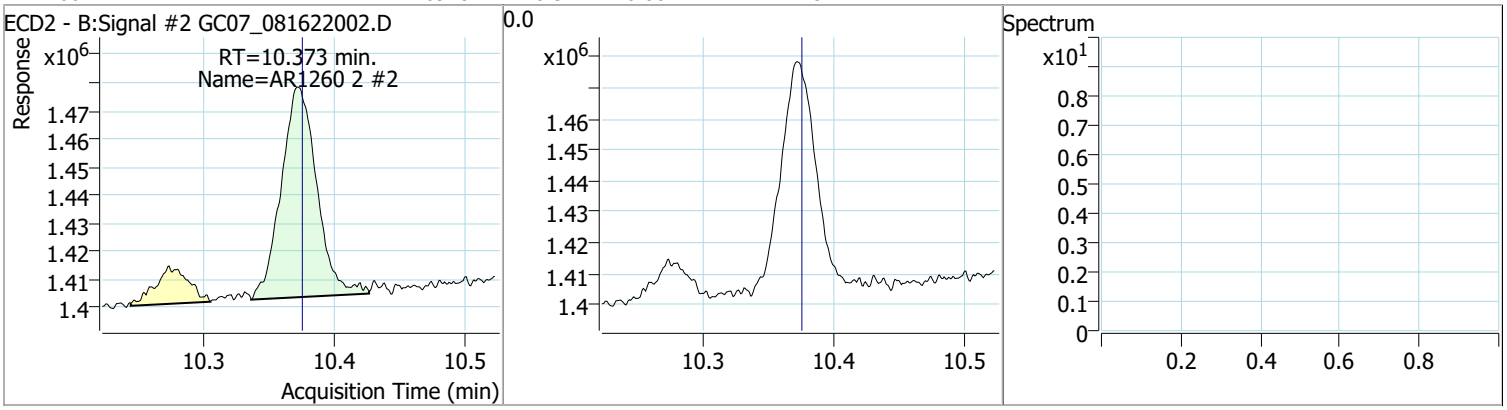
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	20.0388	10.06	0.00	108477				



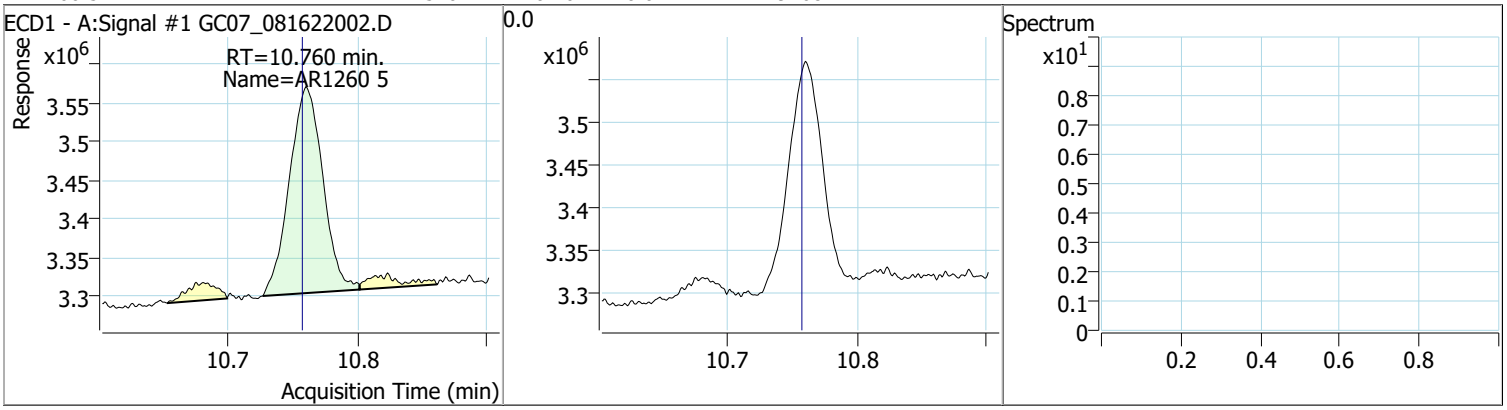
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	21.6742	10.33	0.01	215936				



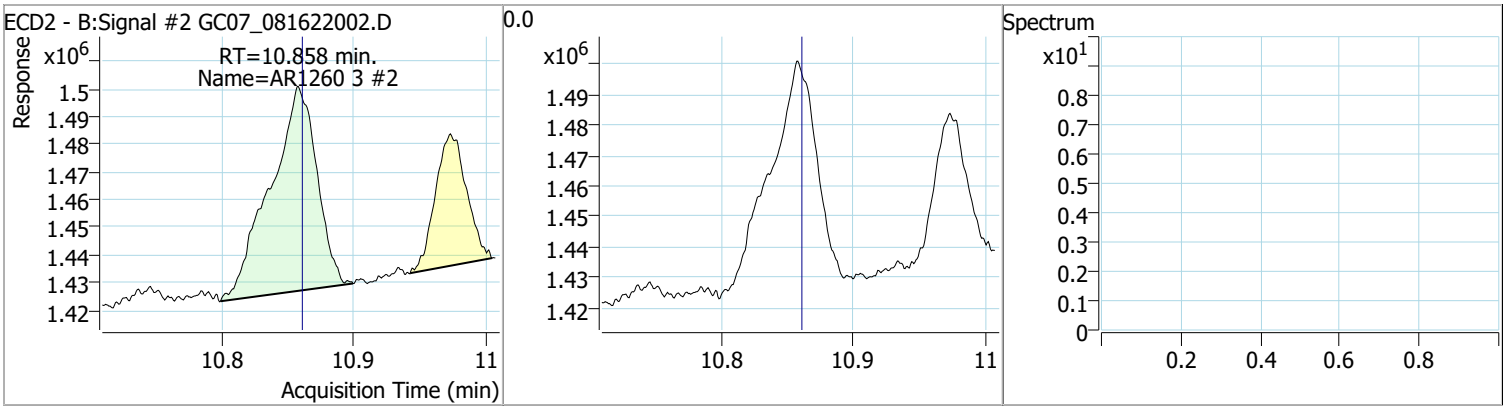
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	21.6918	10.37	0.00	141215				



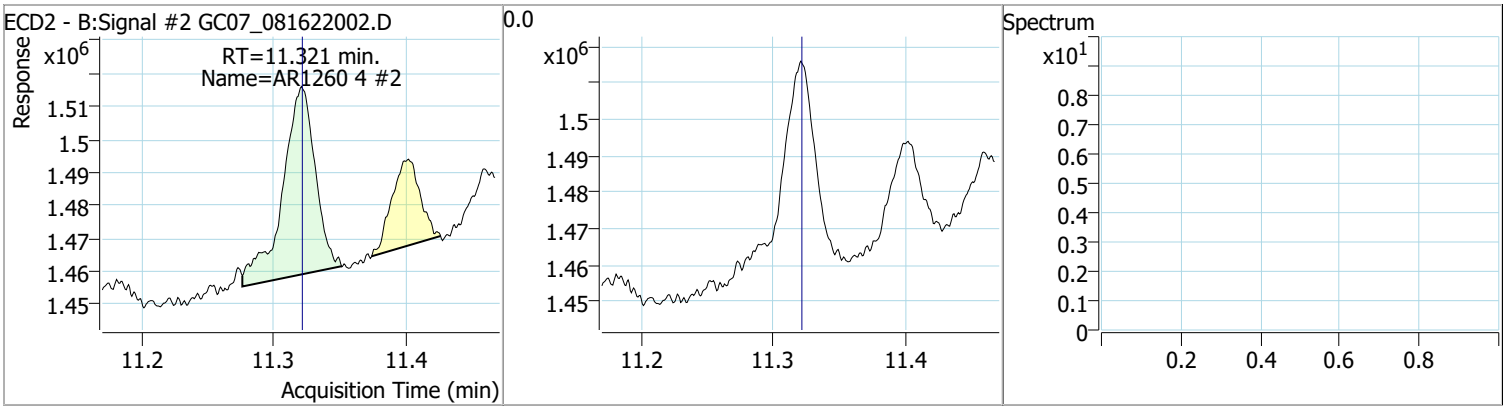
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	22.5701	10.76	0.01	479168				



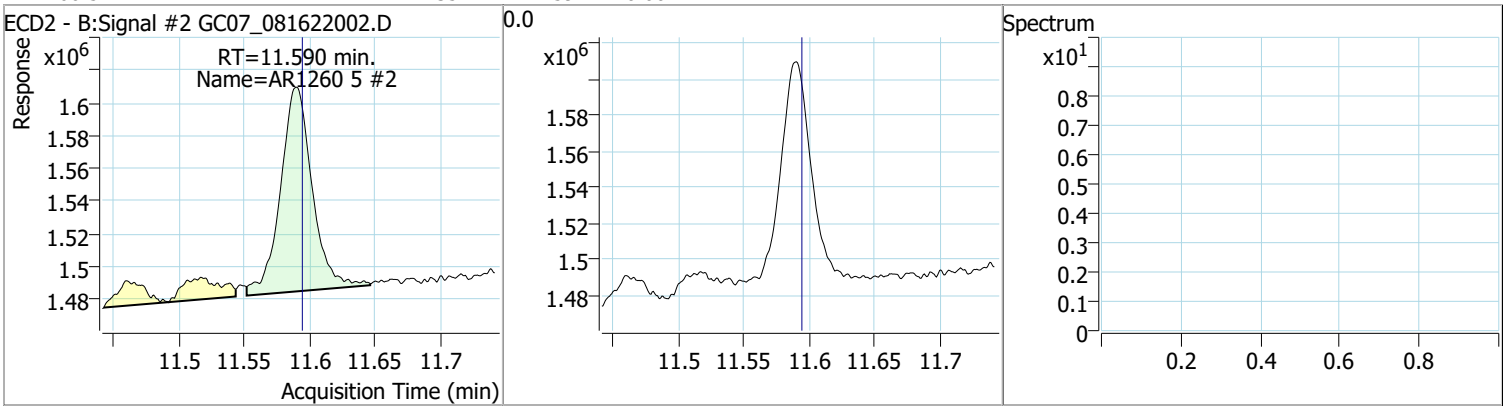
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	21.2574	10.86	0.00	182859				



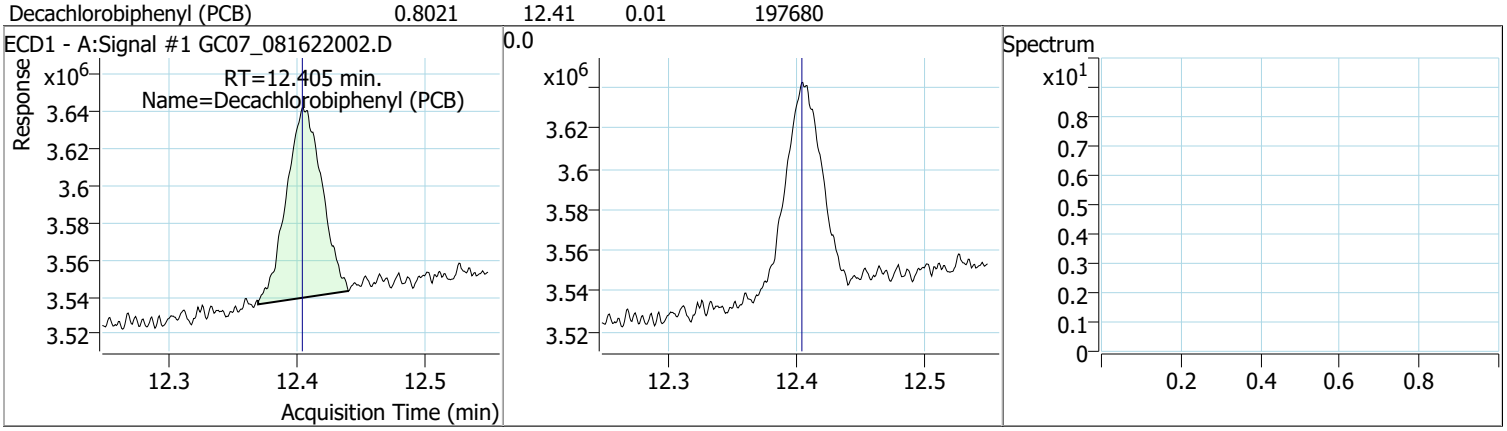
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	21.0049	11.32	0.00	98836				



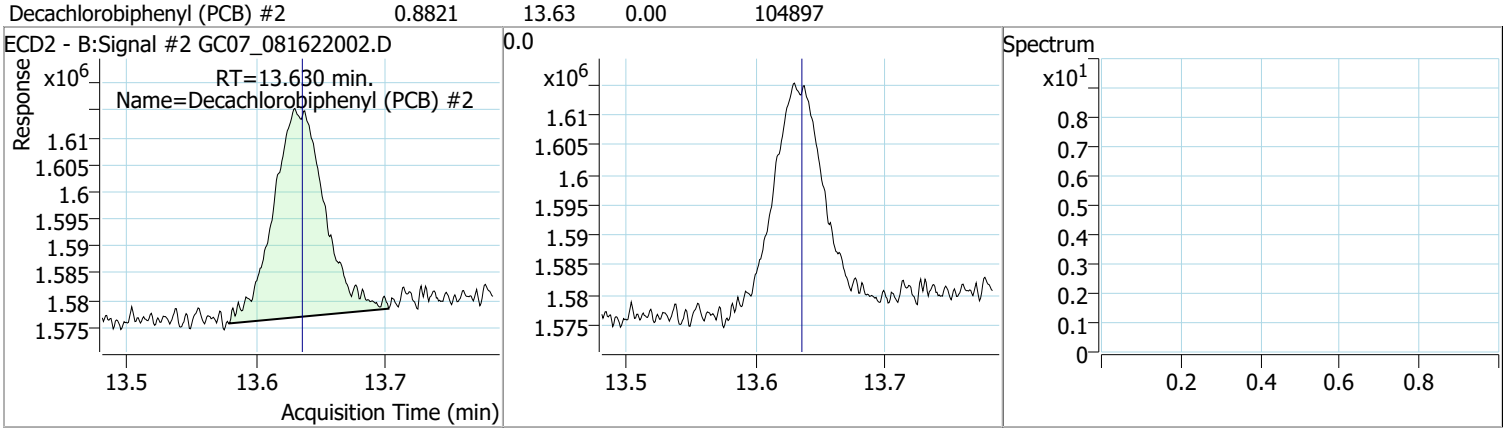
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	22.7354	11.59	0.00	211221				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	0.8021	12.41	0.01	197680				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	0.8821	13.63	0.00	104897				

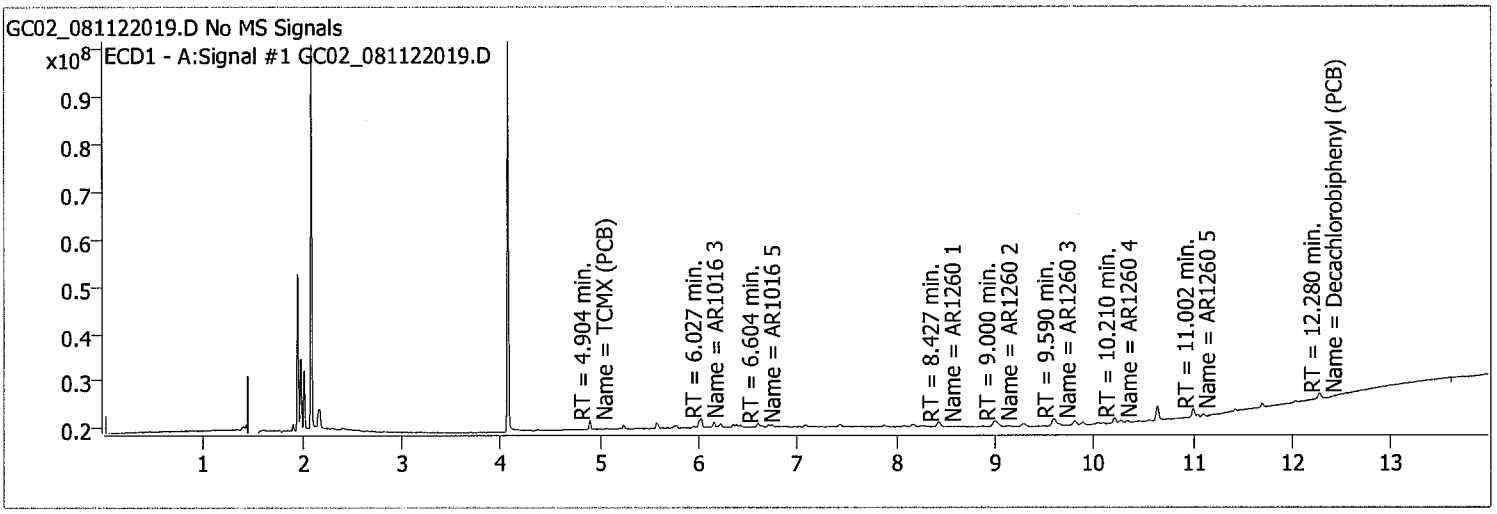


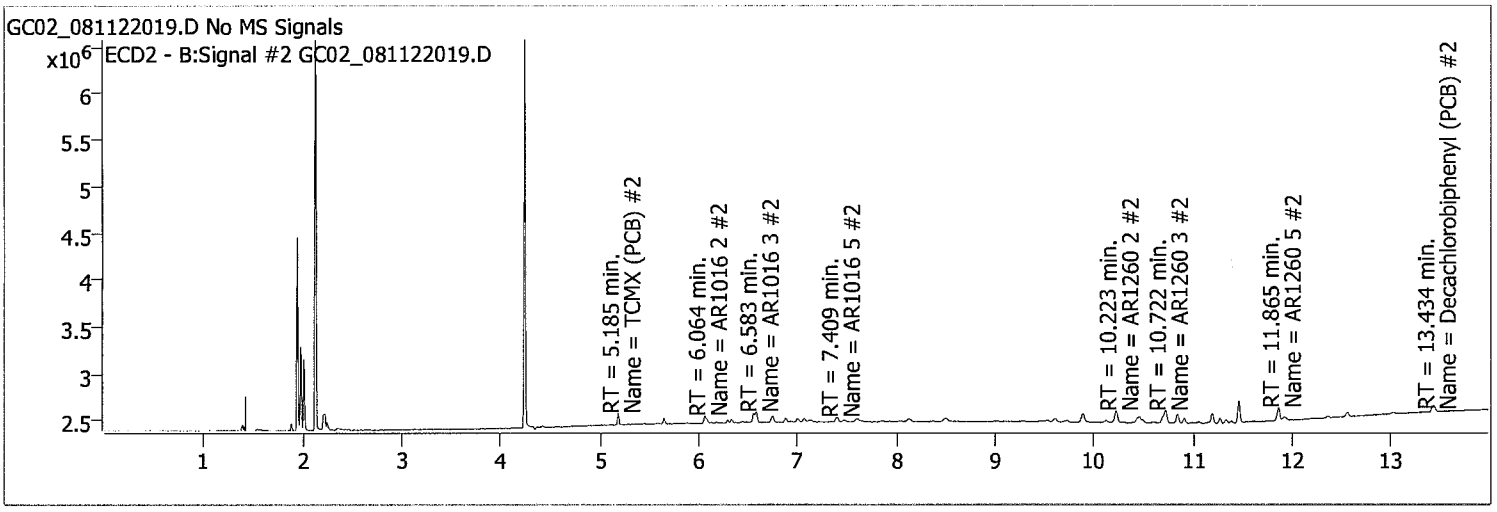
GC02 ICAL Low Point

Quantitation Results Report (Not Reviewed)

Agilent

Data File	GC02_081122019.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	8/11/2022 9:11:09 PM
Sample Name	ICAL, S17023, 100, S17010, 250	Instrument	SVOA-GC02
Vial	41	Multiplier	1.00
DA Method File	PCB_608_081122_GC02_1.m	Comment	20PPB PCB ICAL1
Tune File	ATUNE.U	Tune Date	
Batch Name	081122_PCB.batch.bin	Last Calib Update	8/12/2022 11:52:01 AM
Ref Library			





Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.072	0.0	76444118.640	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.242	0.0	3924515.480	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.904	0.0	2436865.068	0.8182	ng/ml	0.000
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~4.09%~~ 102.3% *		
S TCMX (PCB) #2	5.185	0.0	153587.387	0.8597	ng/ml	0.000
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~4.30%~~ 107.5% *		
S Decachlorobiphenyl (PCB)	12.280	0.0	2969798.381	0.9437	ng/ml	0.000
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~4.72%~~ 118.0% *		
S Decachlorobiphenyl (PCB) #2	13.434	0.0	171156.165	0.8492	ng/ml	0.002
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~4.25%~~ 106.2% *		
Target Compounds						QValue
T AR1016 1	5.240	0.0	1182062.626	22.1370	ng/ml	100

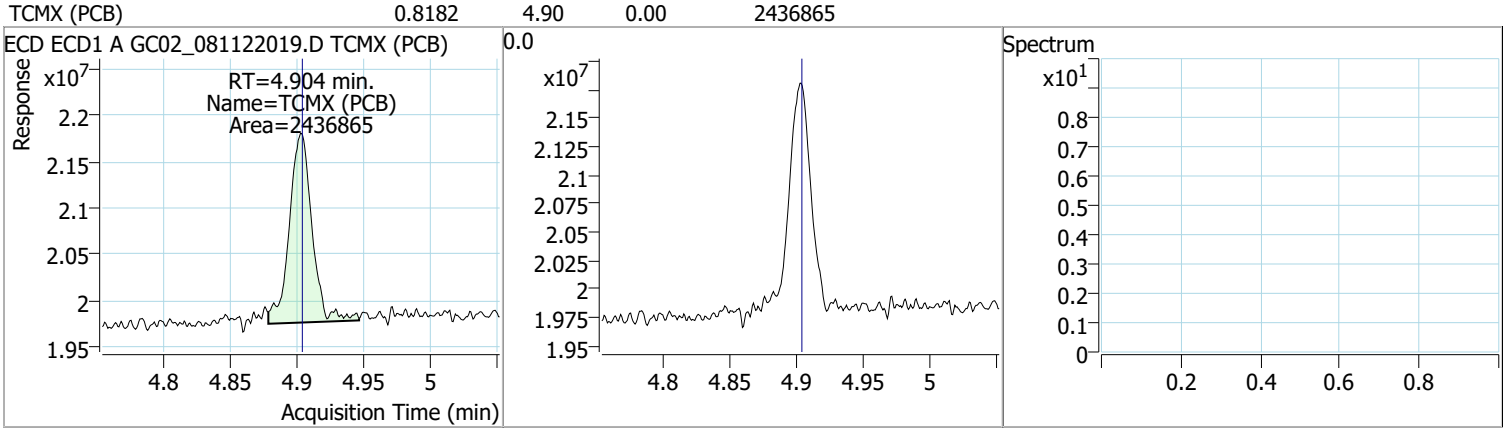
Spike = 0.8 DD 12/22/22

DD 12/22/22

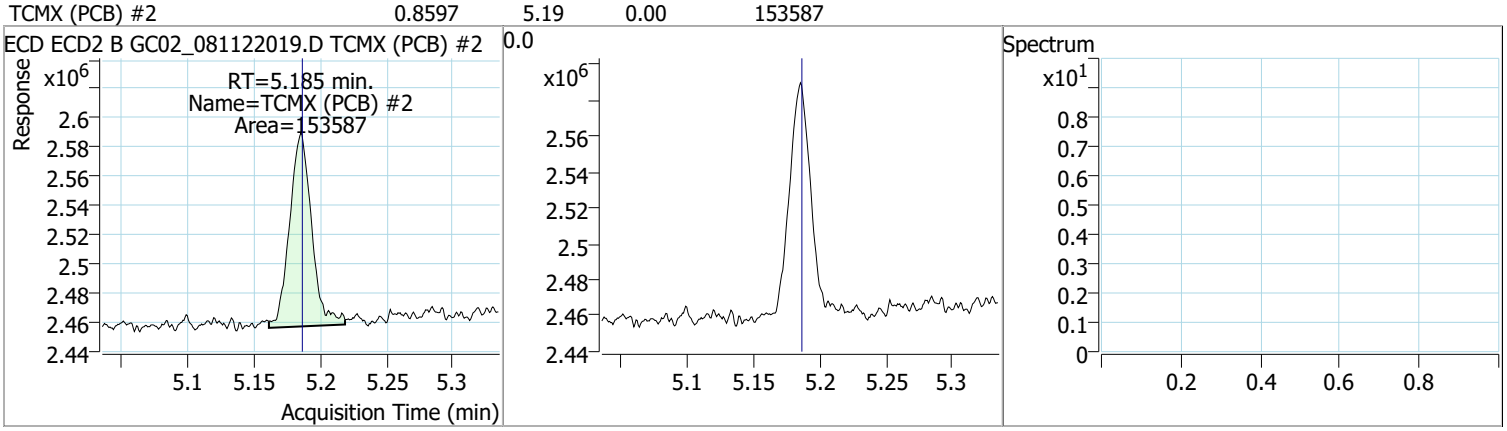
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.576	0.0	2036371.937	20.2437	ng/ml	100
T AR1016 1 #2	5.650	0.0	85696.261	22.8446	ng/ml	100
T AR1016 3	6.027	0.0	2831016.644	19.1213	ng/ml	100
T AR1016 2 #2	6.064	0.0	180560.462	23.0110	ng/ml	100
T AR1016 4	6.155	0.0	1679538.448	19.3696	ng/ml	100
T AR1016 3 #2	6.583	0.0	188136.775	20.4747	ng/ml	100
T AR1016 5	6.604	0.0	1597347.794	20.8376	ng/ml	100
T AR1016 4 #2	6.746	0.0	135888.827	20.7325	ng/ml	100
T AR1016 5 #2	7.409	0.0	109277.595	20.3912	ng/ml	100
T AR1260 1	8.427	0.0	3007996.433	19.6441	ng/ml	100
T AR1260 2	9.000	0.0	4599309.919	19.4912	ng/ml	100
T AR1260 3	9.590	0.0	5741226.045	20.5809	ng/ml	100
T AR1260 1 #2	9.891	0.0	235558.128	20.7288	ng/ml	100
T AR1260 4	10.210	0.0	2531964.507	19.9498	ng/ml	100
T AR1260 2 #2	10.223	0.0	285945.454	22.3787	ng/ml	100
T AR1260 3 #2	10.722	0.0	361173.719	21.2455	ng/ml	100
T AR1260 5	11.002	0.0	3610024.365	20.1173	ng/ml	100
T AR1260 4 #2	11.195	0.0	196068.521	23.0983	ng/ml	100
T AR1260 5 #2	11.865	0.0	284419.206	21.9341	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

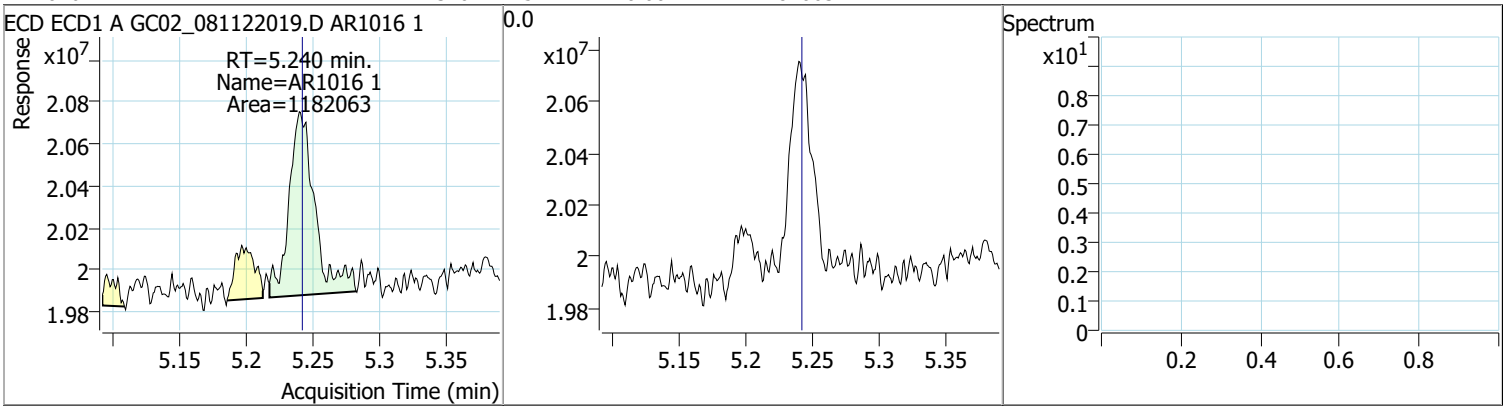
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	0.8182	4.90	0.00	2436865				



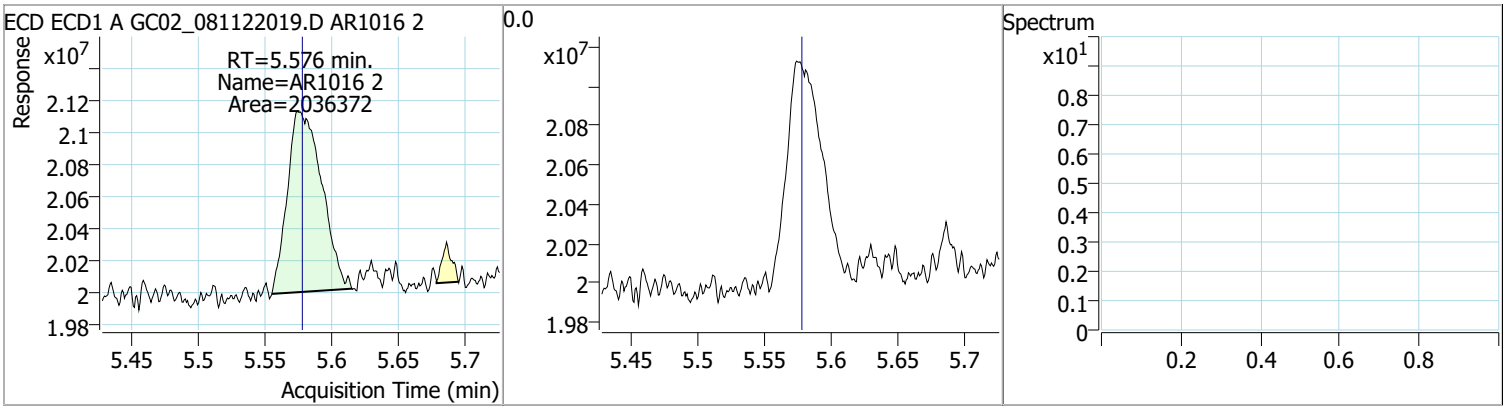
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	0.8597	5.19	0.00	153587				



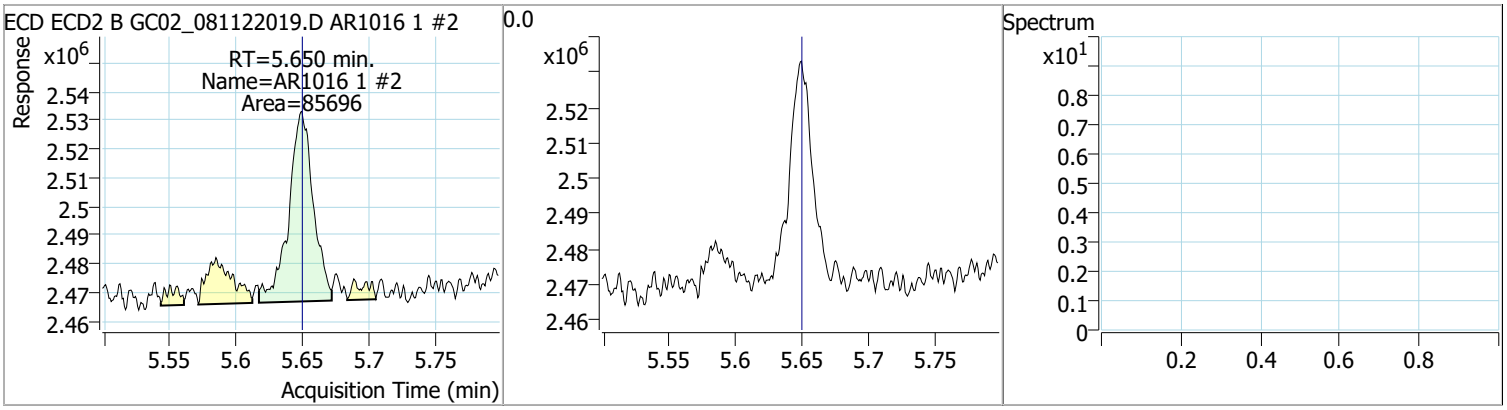
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	22.1370	5.24	0.00	1182063				



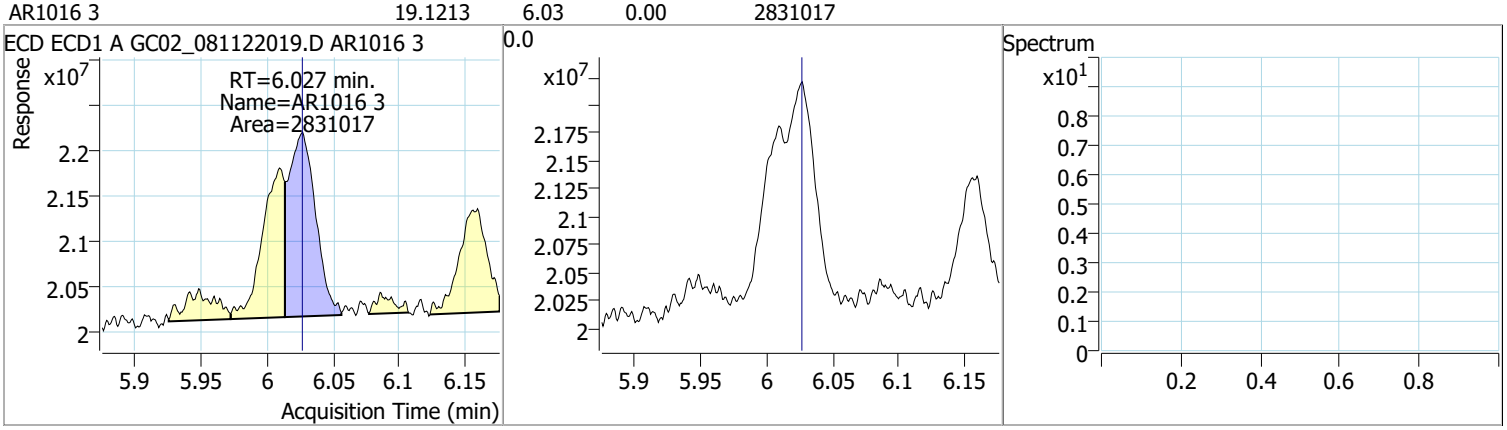
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	20.2437	5.58	0.00	2036372				



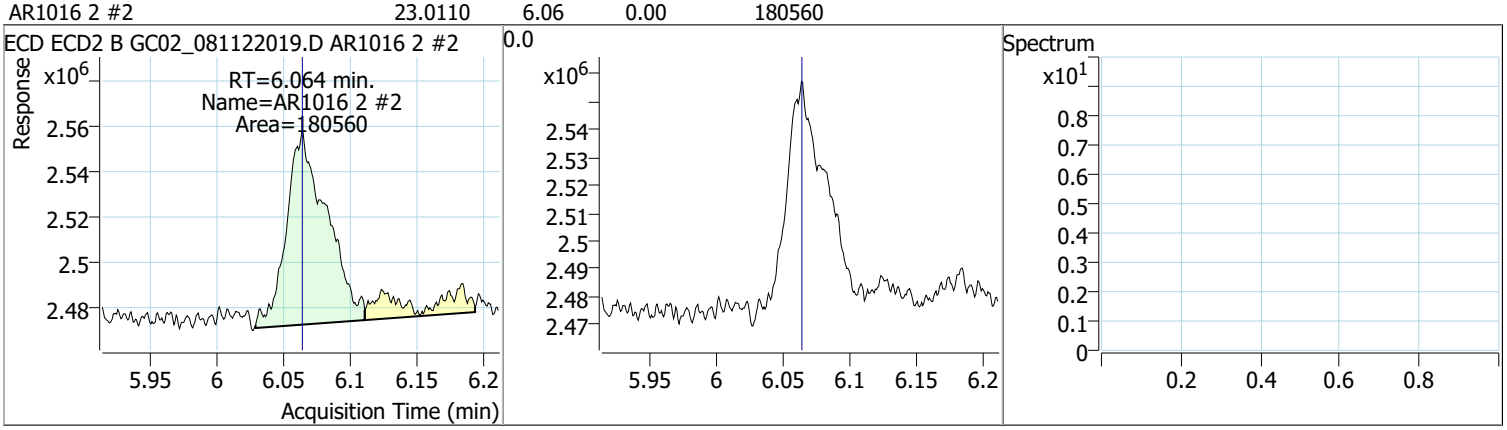
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	22.8446	5.65	0.00	85696				



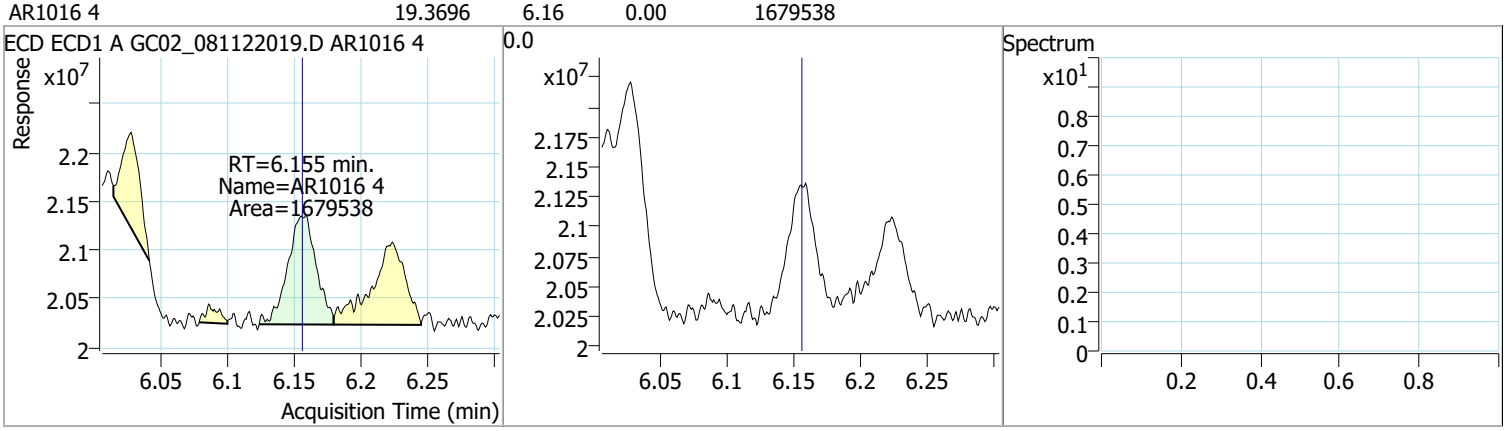
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	19.1213	6.03	0.00	2831017				



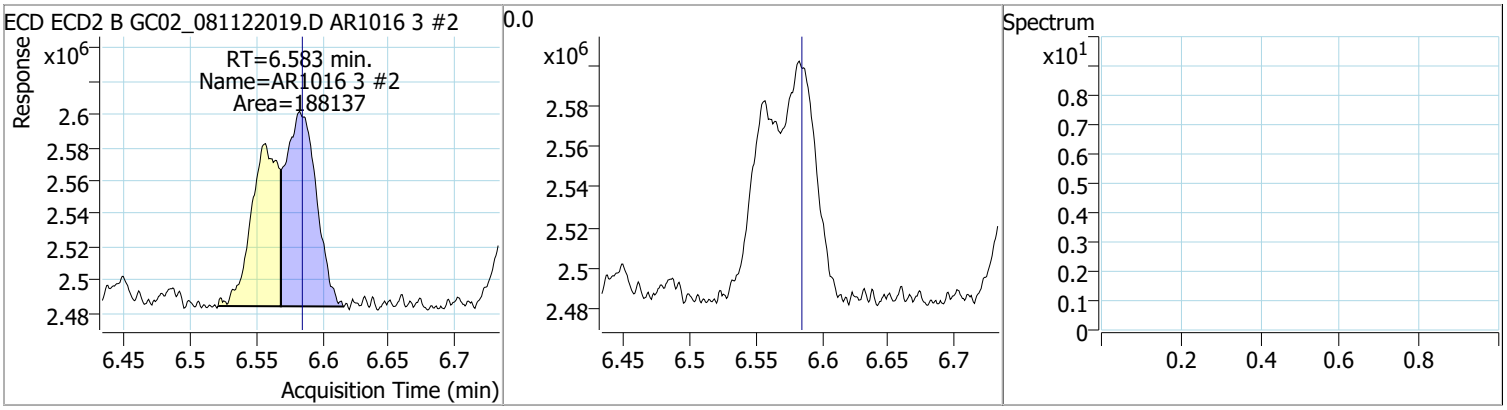
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	23.0110	6.06	0.00	180560				



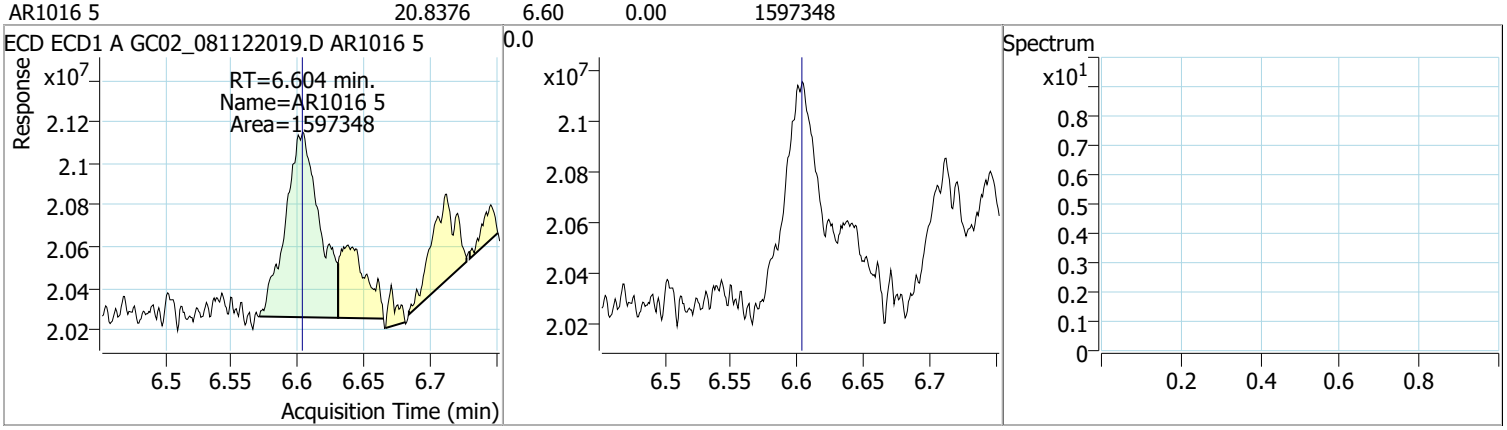
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	19.3696	6.16	0.00	1679538				



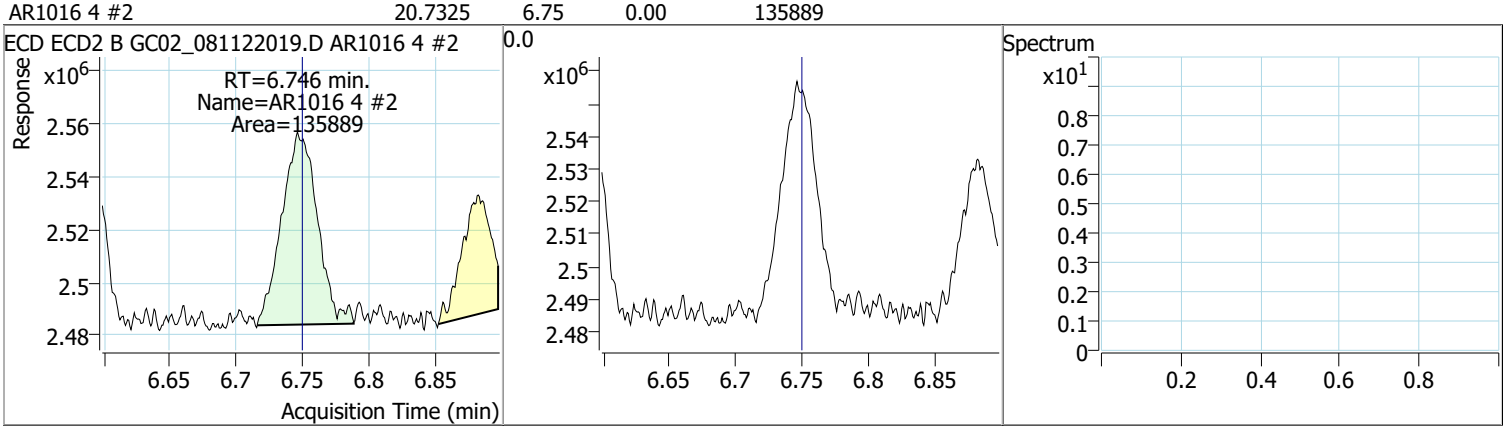
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	20.4747	6.58	0.00	188137				



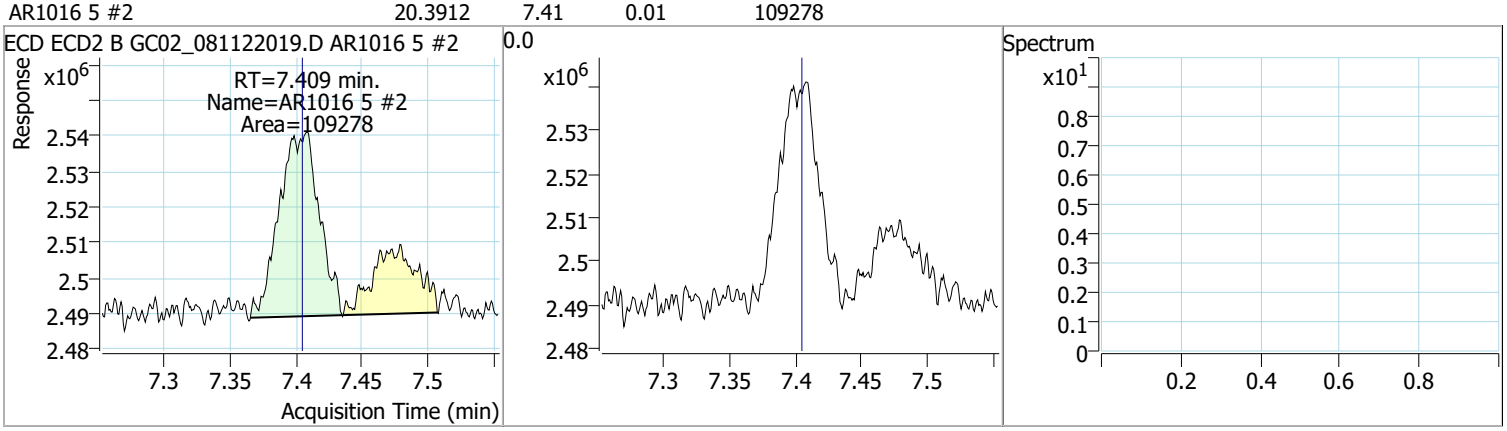
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	20.8376	6.60	0.00	1597348				



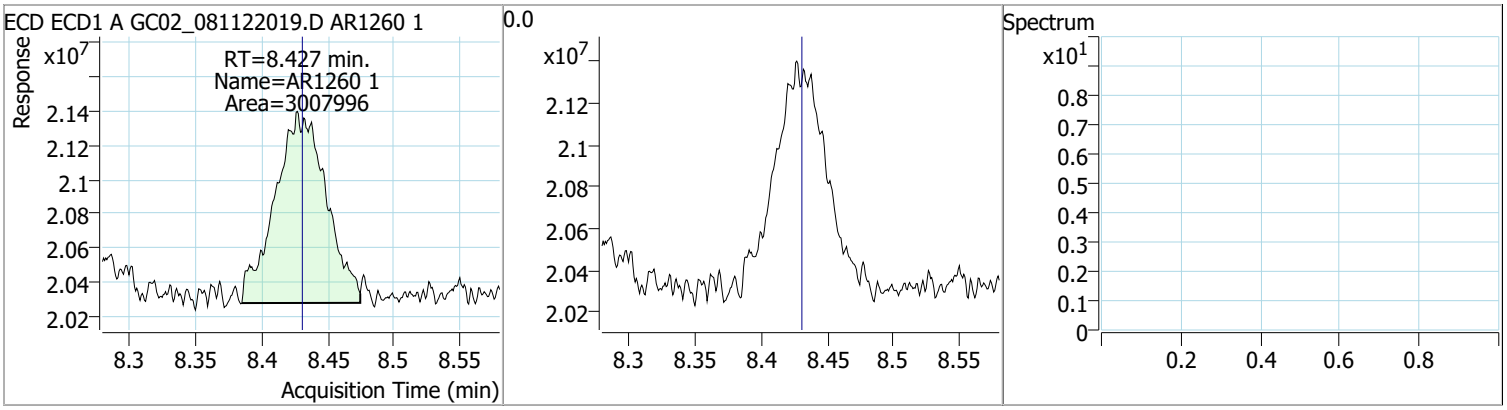
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	20.7325	6.75	0.00	135889				



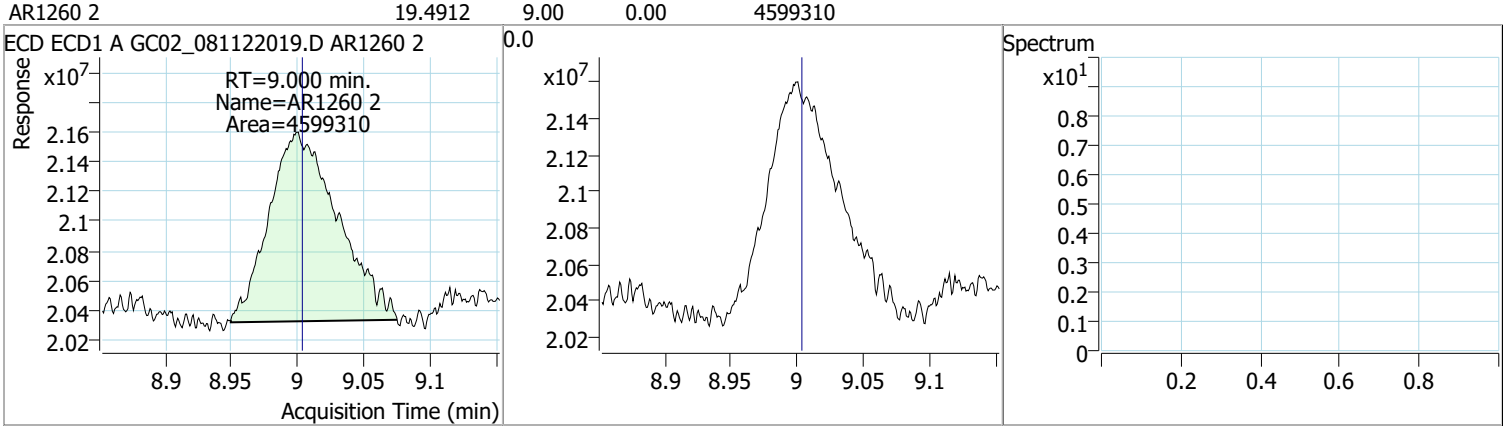
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	20.3912	7.41	0.01	109278				



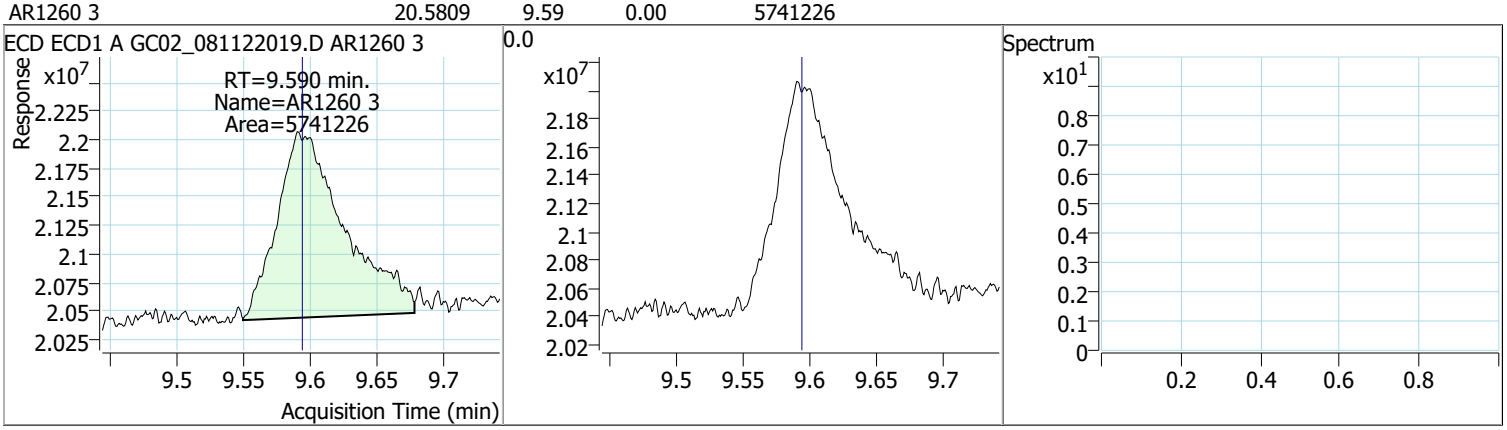
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	19.6441	8.43	0.00	3007996				



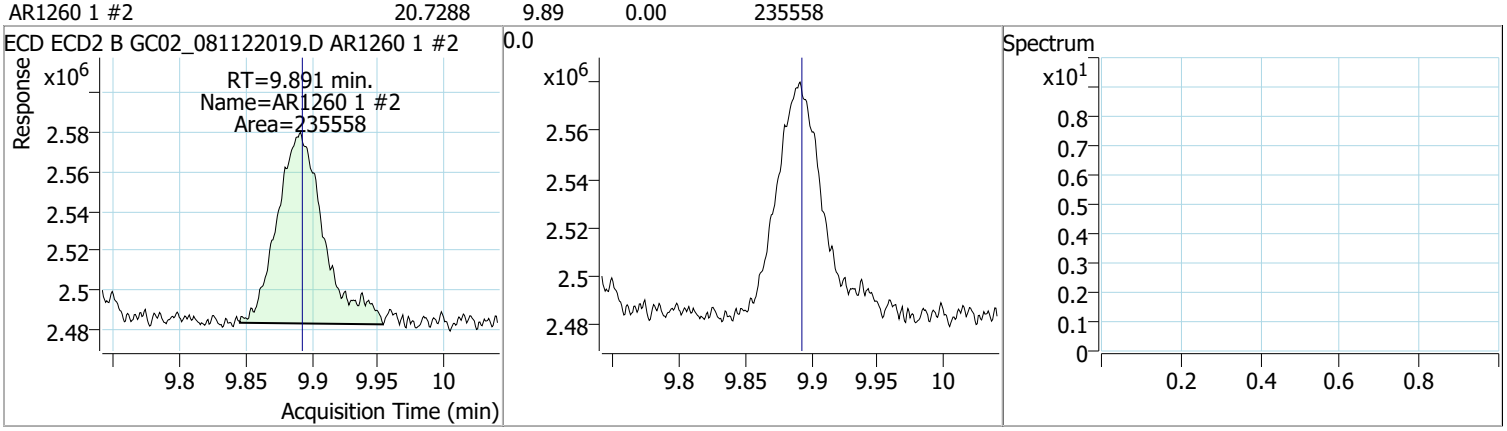
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	19.4912	9.00	0.00	4599310				



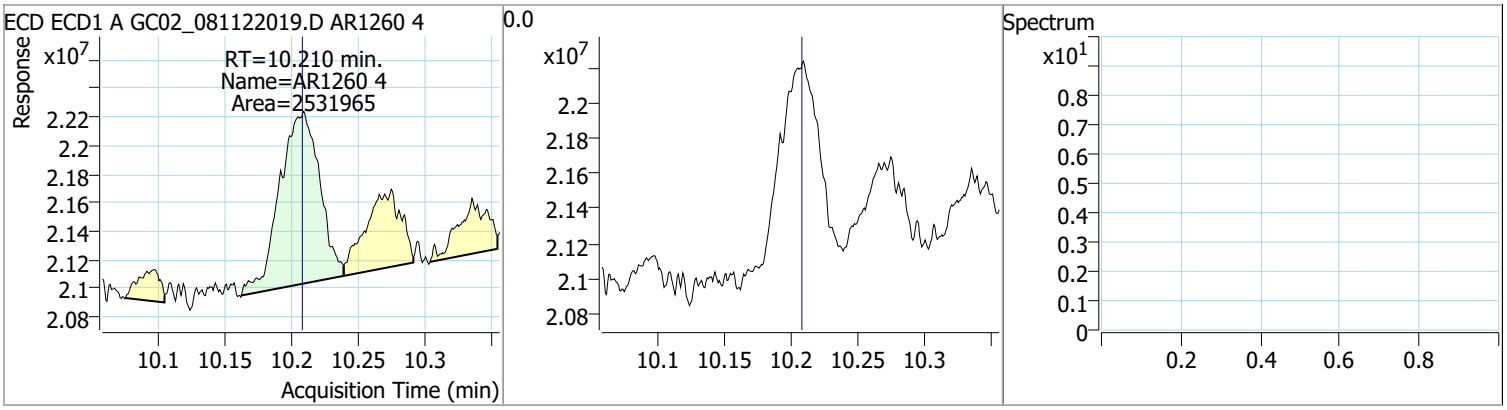
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	20.5809	9.59	0.00	5741226				



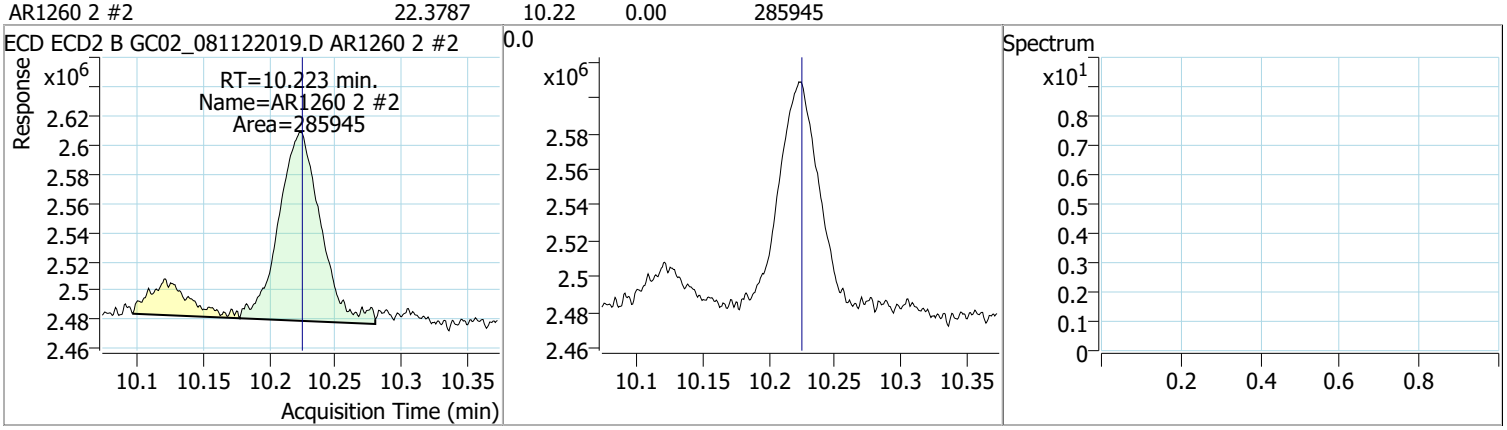
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	20.7288	9.89	0.00	235558				



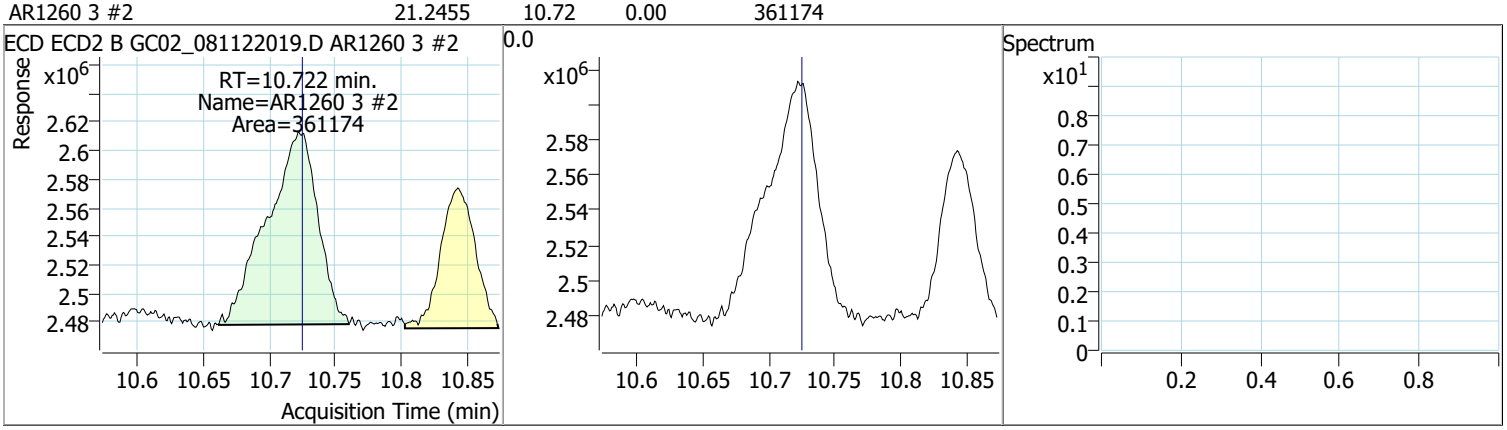
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	19.9498	10.21	0.00	2531965				



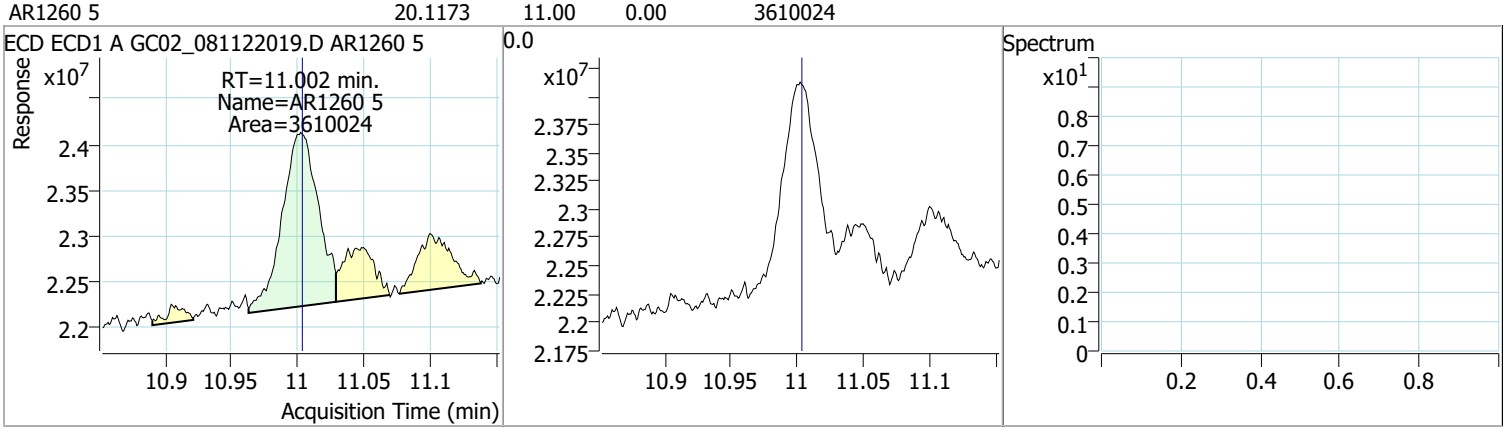
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	22.3787	10.22	0.00	285945				



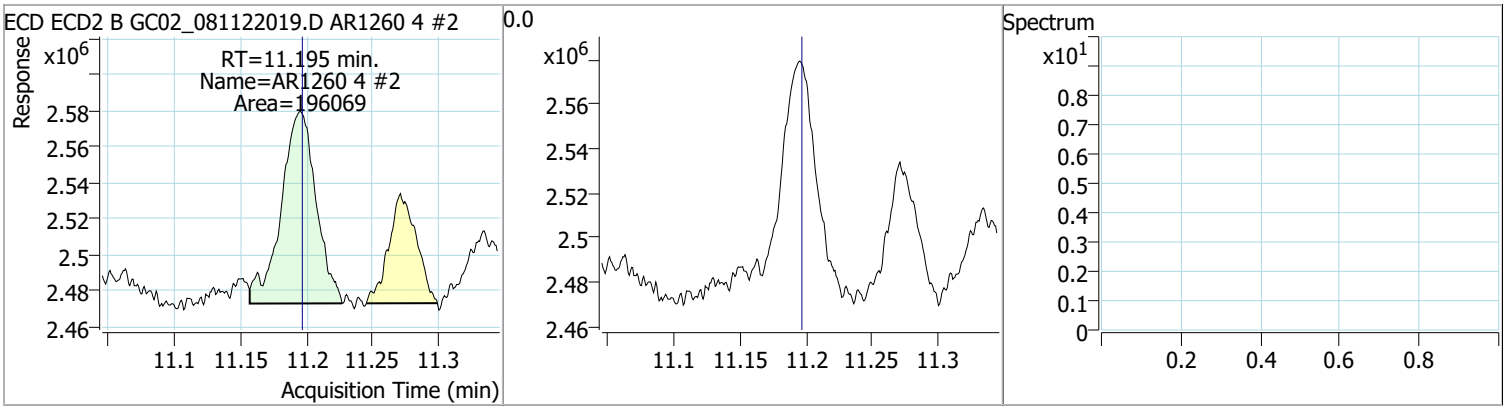
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	21.2455	10.72	0.00	361174				



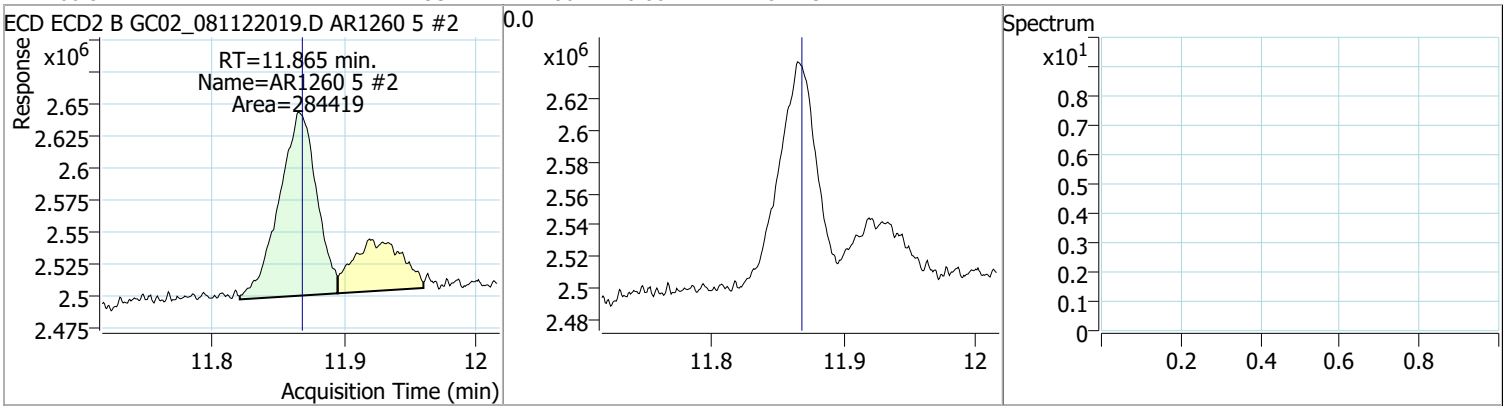
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	20.1173	11.00	0.00	3610024				



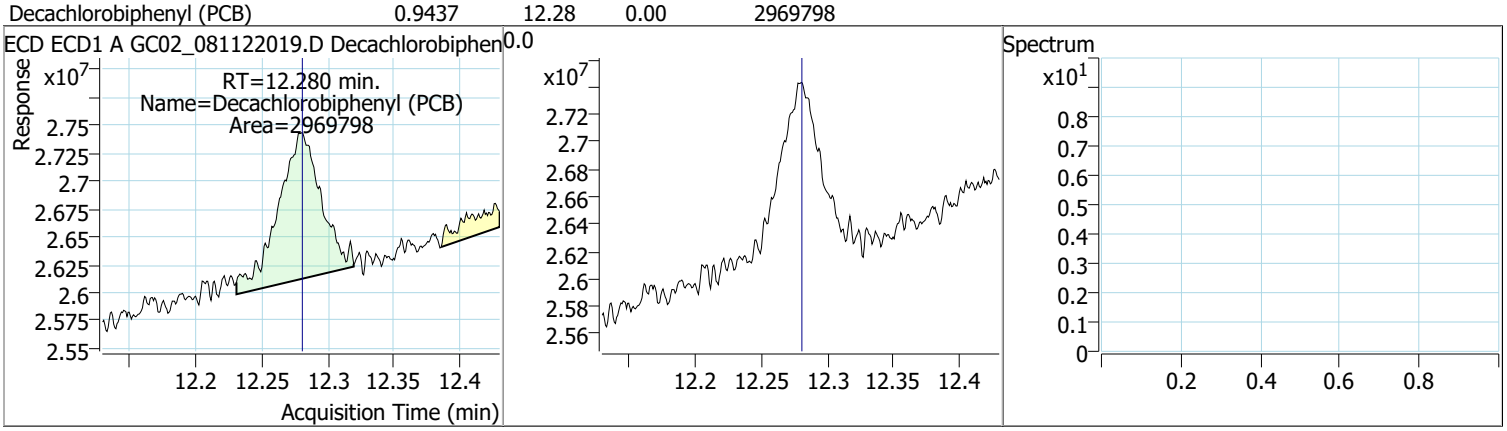
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	23.0983	11.20	0.00	196069				



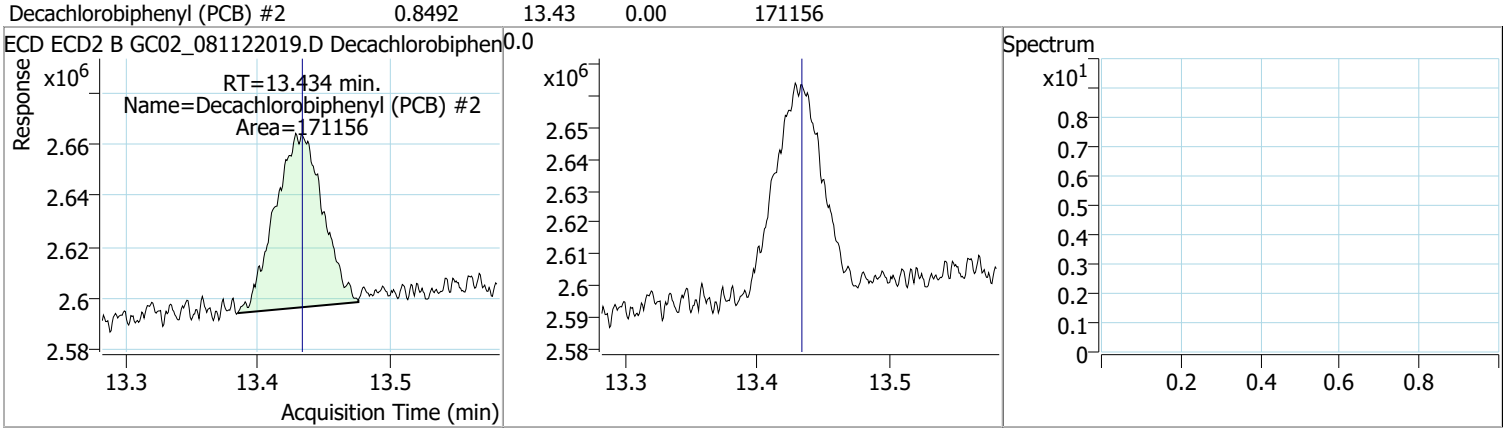
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	21.9341	11.86	0.00	284419				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	0.9437	12.28	0.00	2969798				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	0.8492	13.43	0.00	171156				



GC07 ICAL Low Point

Quantitation Results Report (Not Reviewed)

Agilent

Data File	GC07_082422006.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/24/2022 2:14:14 PM
Sample Name	ICAL, S17248, 100	Instrument	SVOA-GC07
Vial	31	Multiplier	1.00
DA Method File	PCB_608_082422_GC07_1.m	Comment	20 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	082422_PCB.batch.bin	Last Calib Update	8/25/2022 10:17:40 AM
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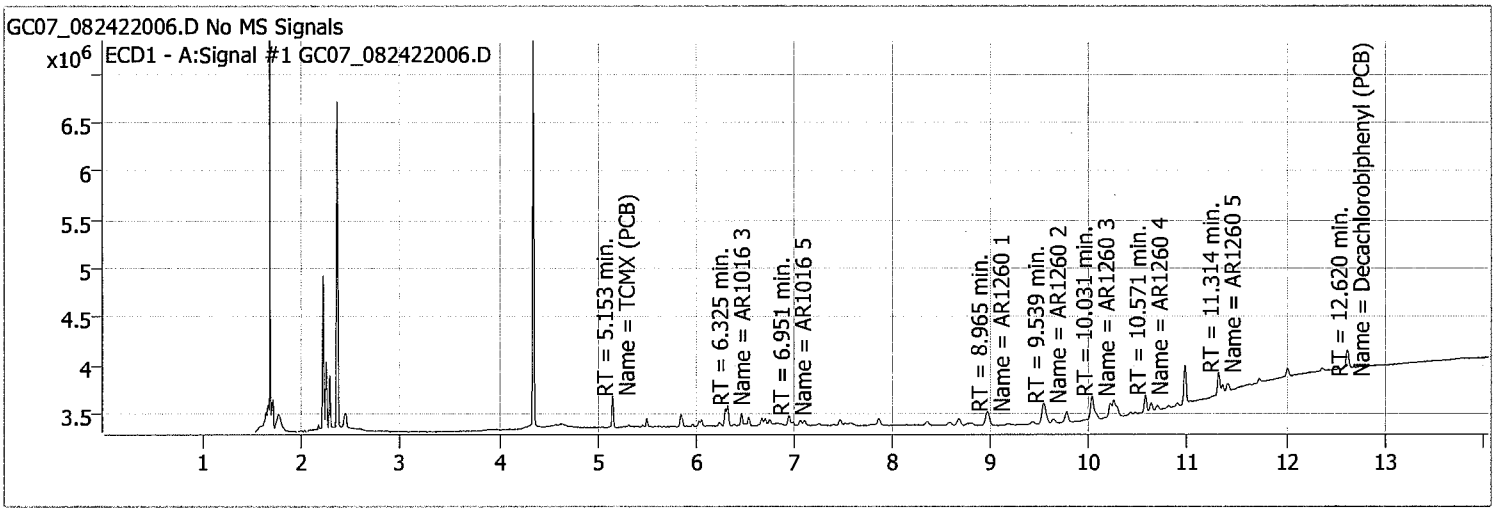
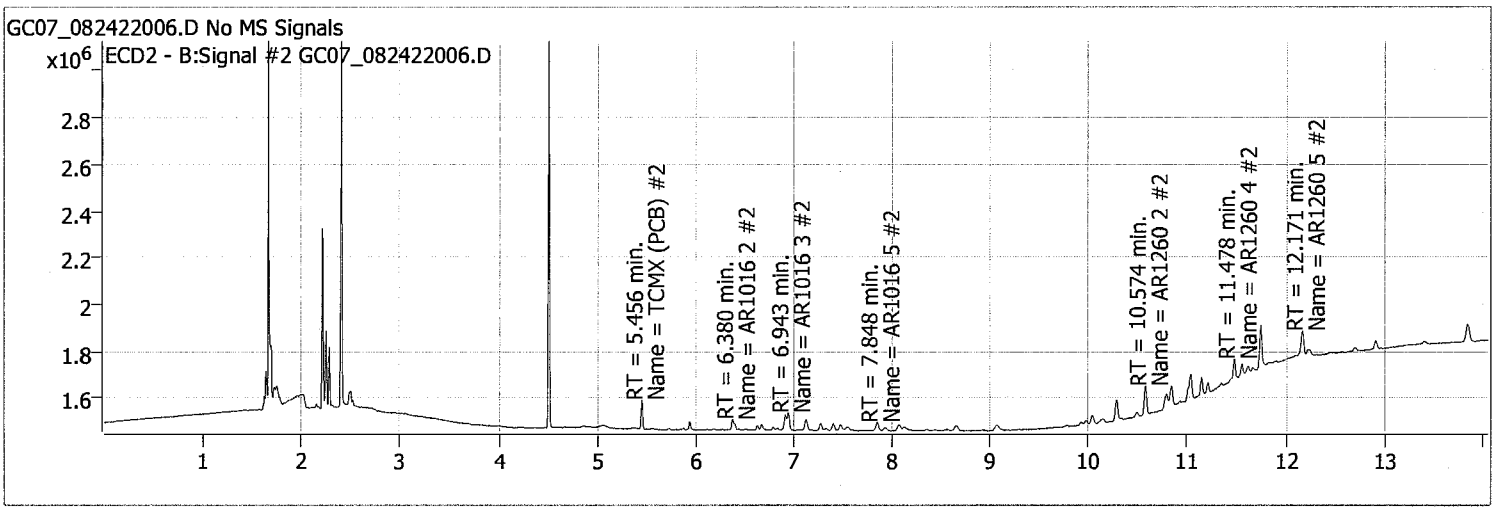




Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.349	0.0	3715681.258	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.510	0.0	1436359.370	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	355483.303	0.9995	ng/ml	-0.001
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~5.00%~~ 124.9 % *		
S TCMX (PCB) #2	5.456	0.0	140345.987	0.9380	ng/ml	-0.001
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~4.69%~~ 117.2 % *		
S Decachlorobiphenyl (PCB)	12.620	0.0	398277.357	1.0719	ng/ml	-0.005
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~5.36%~~ 134.0 % *		
S Decachlorobiphenyl (PCB) #2	13.848	0.0	192294.532	1.1046	ng/ml	-0.004
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~5.52%~~ 138.1 % *		
Target Compounds						QValue
T AR1016 1	5.501	0.0	103901.873	25.2641	ng/ml	100
T AR1016 2	5.848	0.0	236256.285	26.3661	ng/ml	100
T AR1016 1 #2	5.942	0.0	46039.049	25.2336	ng/ml	100

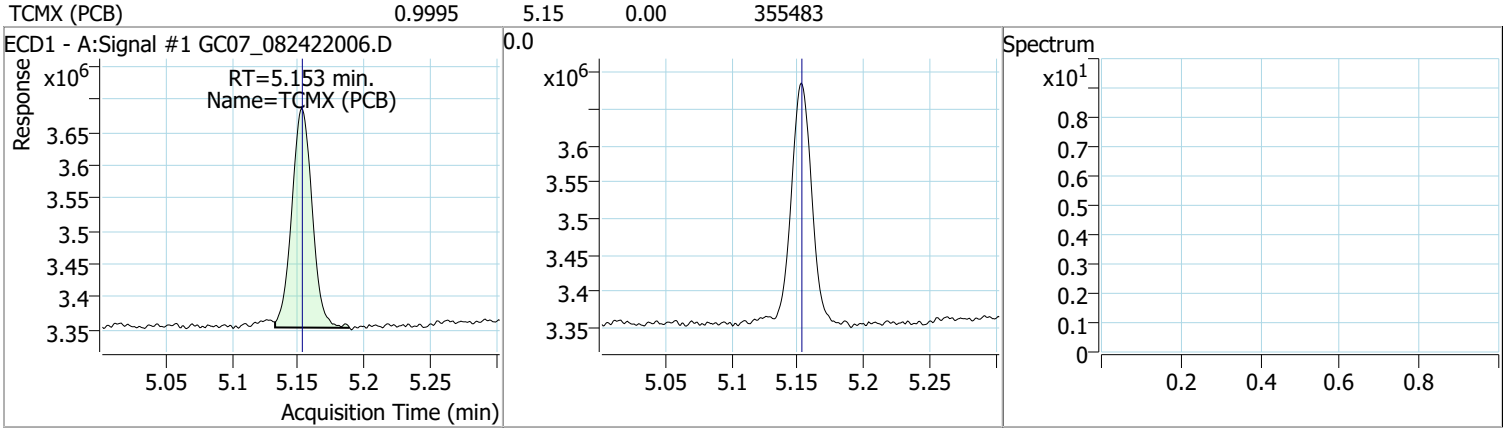
Spike = 0.8 DD 12/22/22

DD 12/22/22

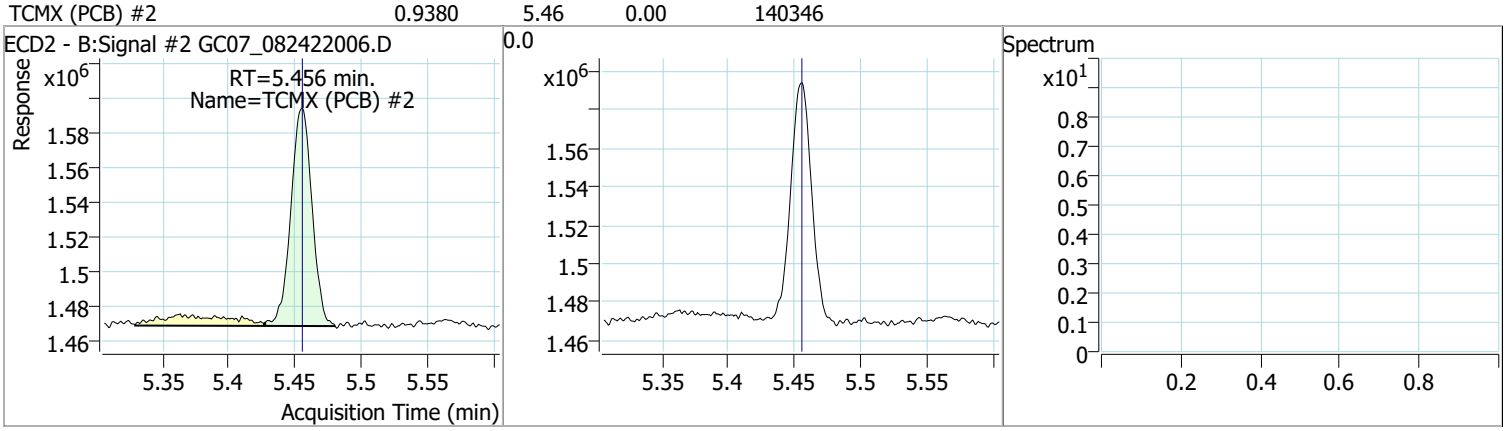
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.325	0.0	286582.336	25.3485	ng/ml		100
T AR1016 2 #2	6.380	0.0	98383.314	24.3923	ng/ml		100
T AR1016 4	6.468	0.0	197753.349	26.0339	ng/ml		100
T AR1016 3 #2	6.943	0.0	116305.126	23.1771	ng/ml		100
T AR1016 5	6.951	0.0	170371.493	24.6228	ng/ml		100
T AR1016 4 #2	7.128	0.0	94215.024	25.0088	ng/ml		100
T AR1016 5 #2	7.848	0.0	80607.848	25.7270	ng/ml		100
T AR1260 1	8.965	0.0	424715.207	26.7907	ng/ml		100
T AR1260 2	9.539	0.0	633606.152	26.1080	ng/ml		100
T AR1260 3	10.031	0.0	696433.148	25.8906	ng/ml		100
T AR1260 1 #2	10.283	0.0	175841.757	24.5638	ng/ml		100
T AR1260 4	10.571	0.0	310321.584	24.6290	ng/ml		100
T AR1260 2 #2	10.574	0.0	213097.276	26.0171	ng/ml		100
T AR1260 3 #2	11.035	0.0	251501.833	23.2712	ng/ml		100
T AR1260 5	11.314	0.0	377111.761	23.7845	ng/ml		100
T AR1260 4 #2	11.478	0.0	130116.750	24.2208	ng/ml	m	100
T AR1260 5 #2	12.171	0.0	229161.602	26.1136	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

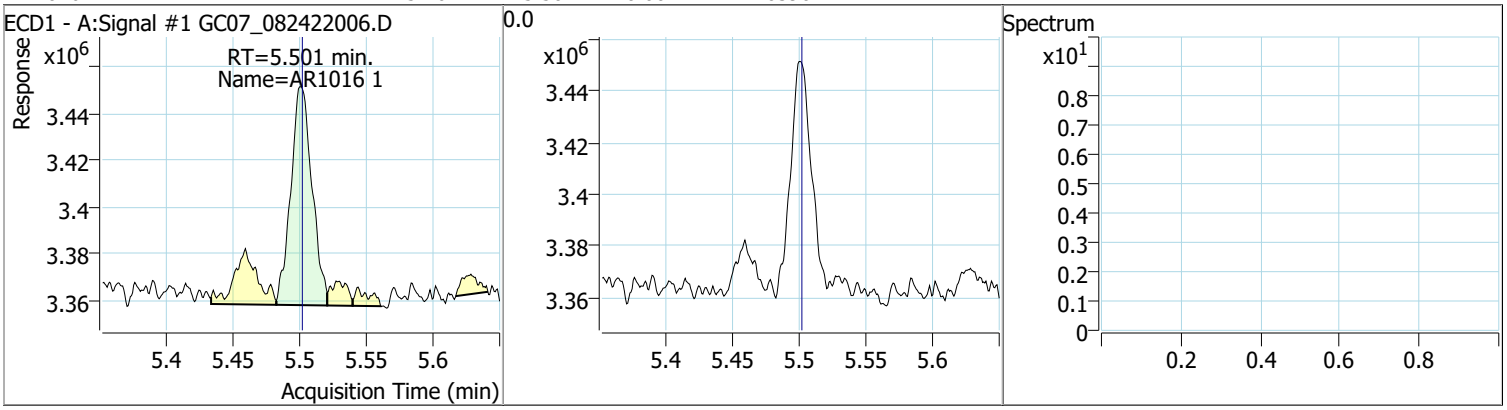
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	0.9995	5.15	0.00	355483				



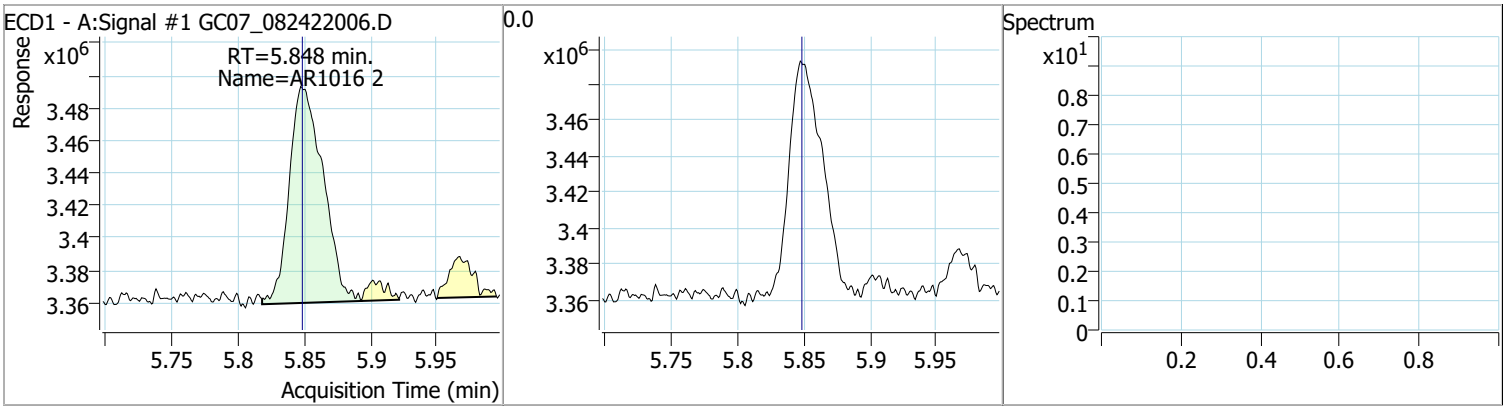
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	0.9380	5.46	0.00	140346				



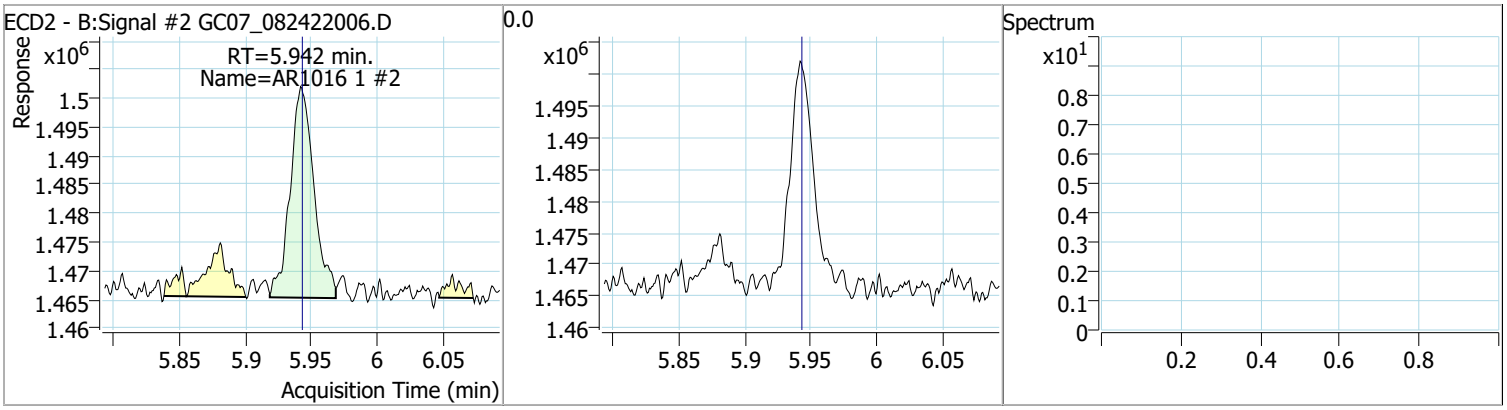
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	25.2641	5.50	0.00	103902				



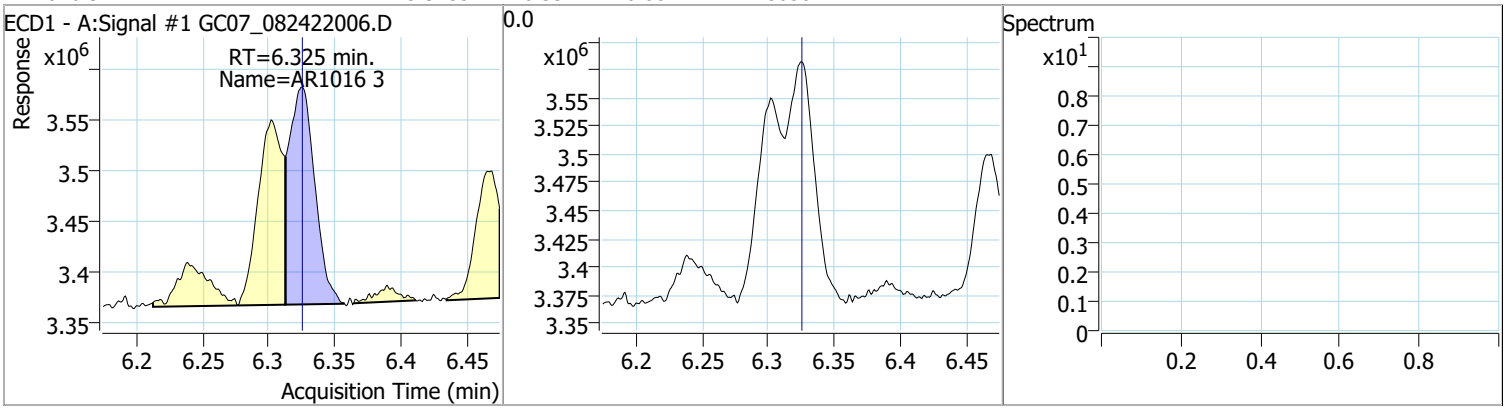
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	26.3661	5.85	0.00	236256				



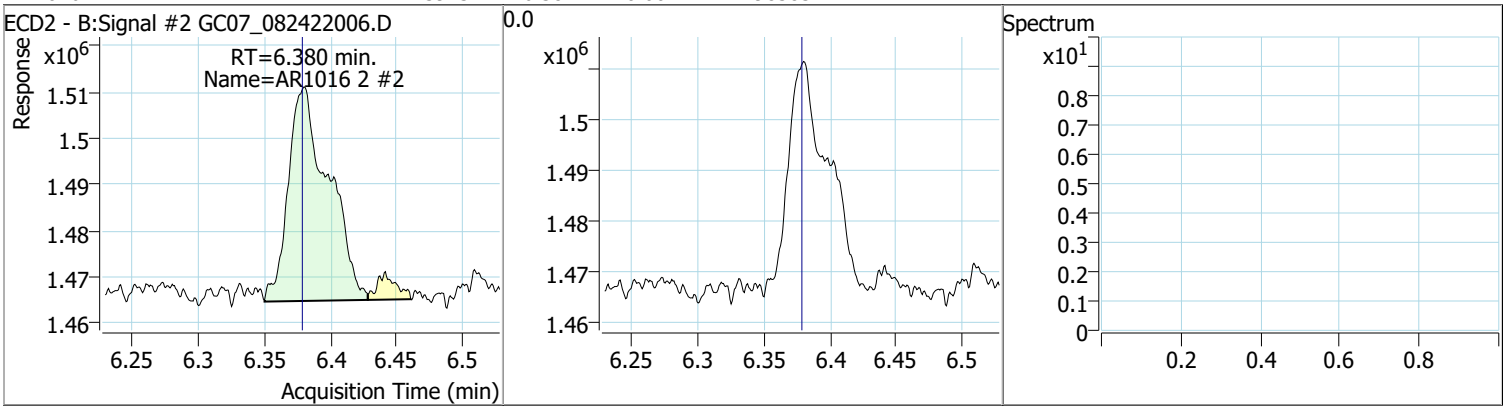
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	25.2336	5.94	0.00	46039				



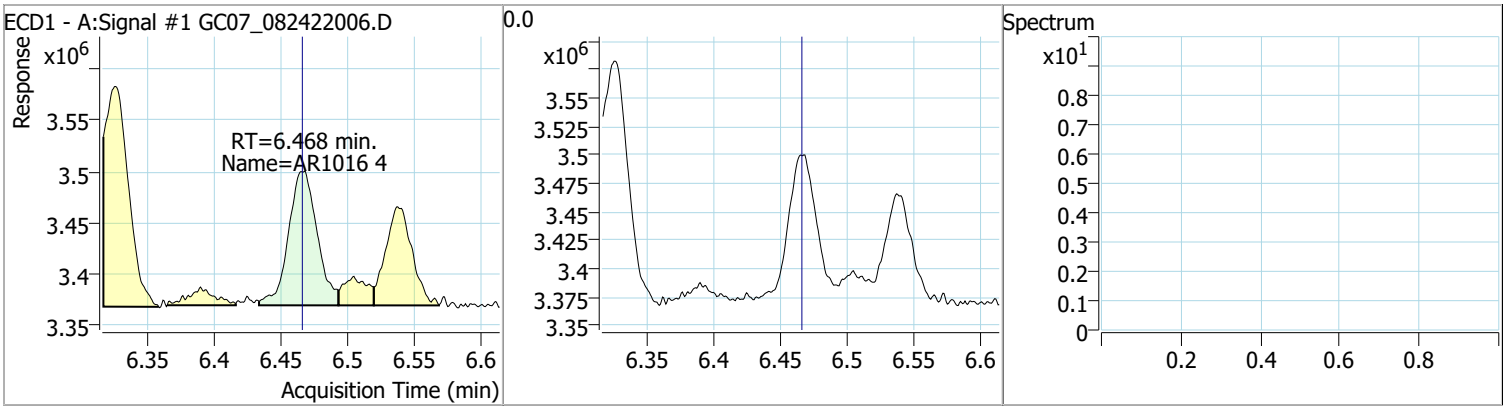
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	25.3485	6.33	0.00	286582				



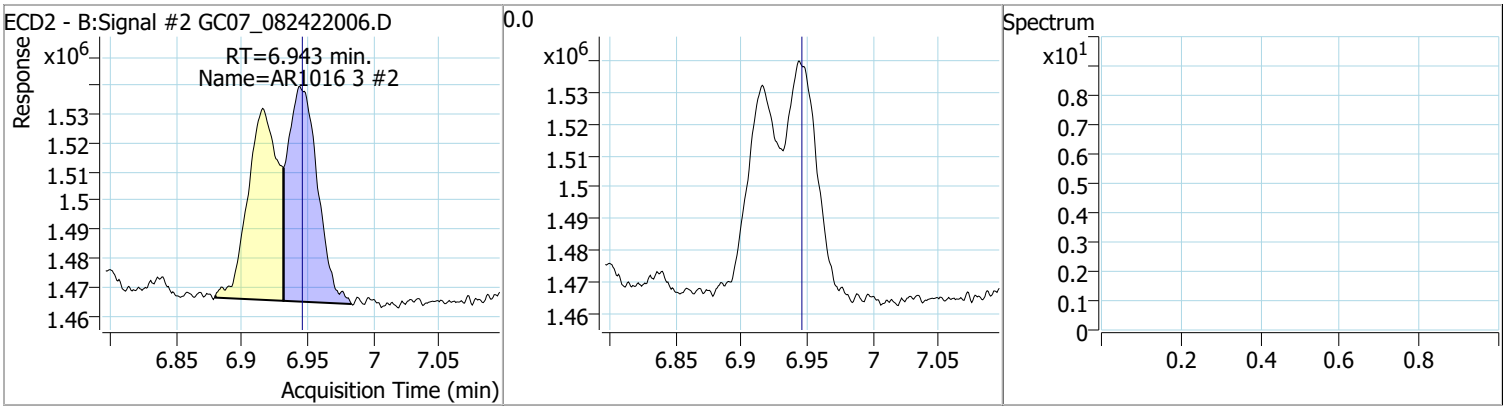
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	24.3923	6.38	0.00	98383				



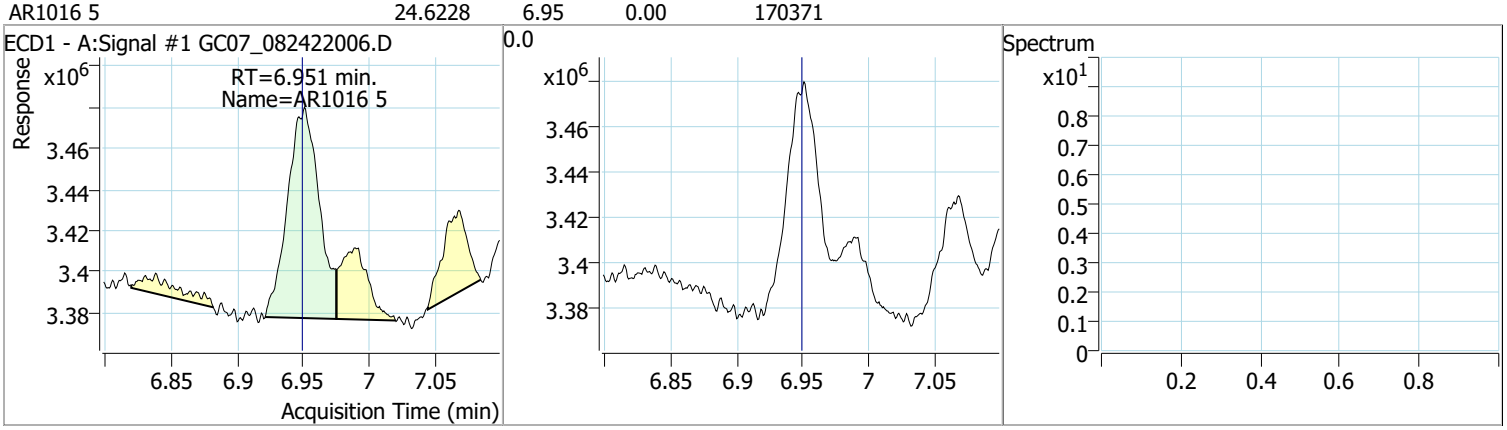
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	26.0339	6.47	0.00	197753				



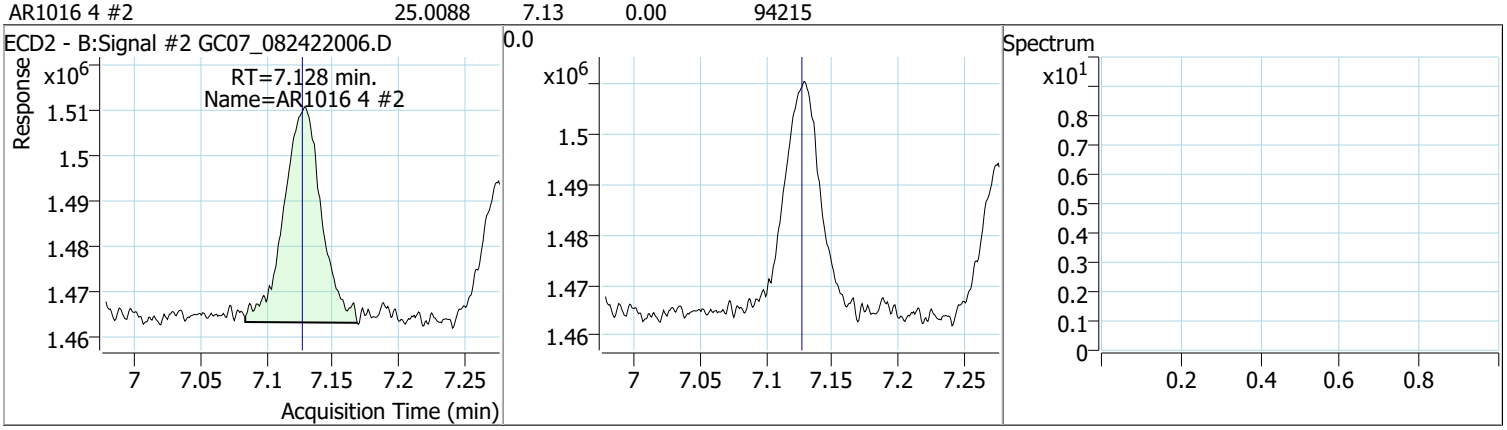
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	23.1771	6.94	0.00	116305				



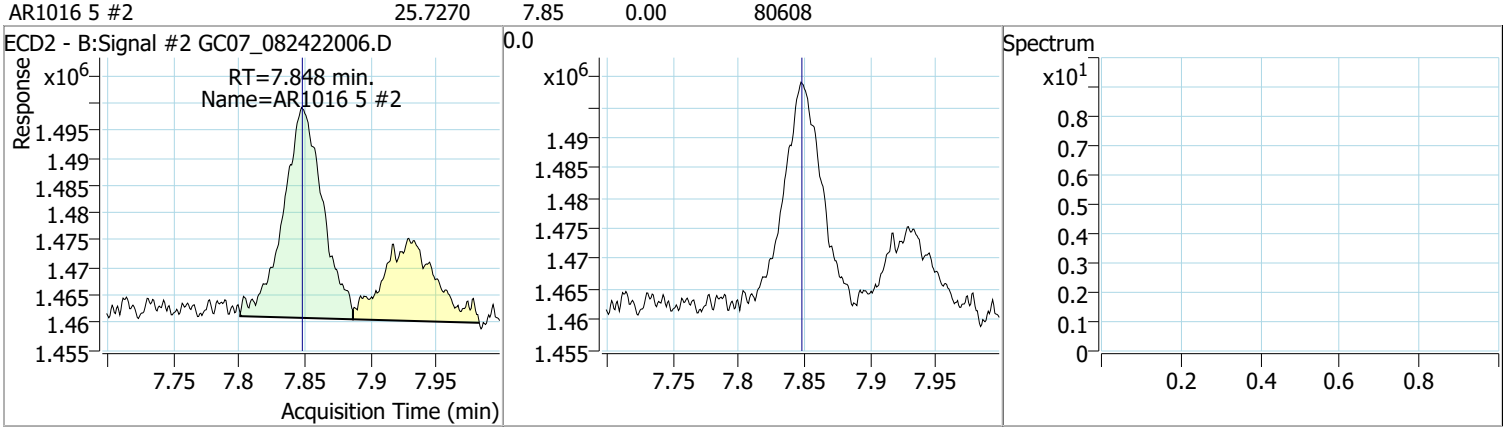
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	24.6228	6.95	0.00	170371				



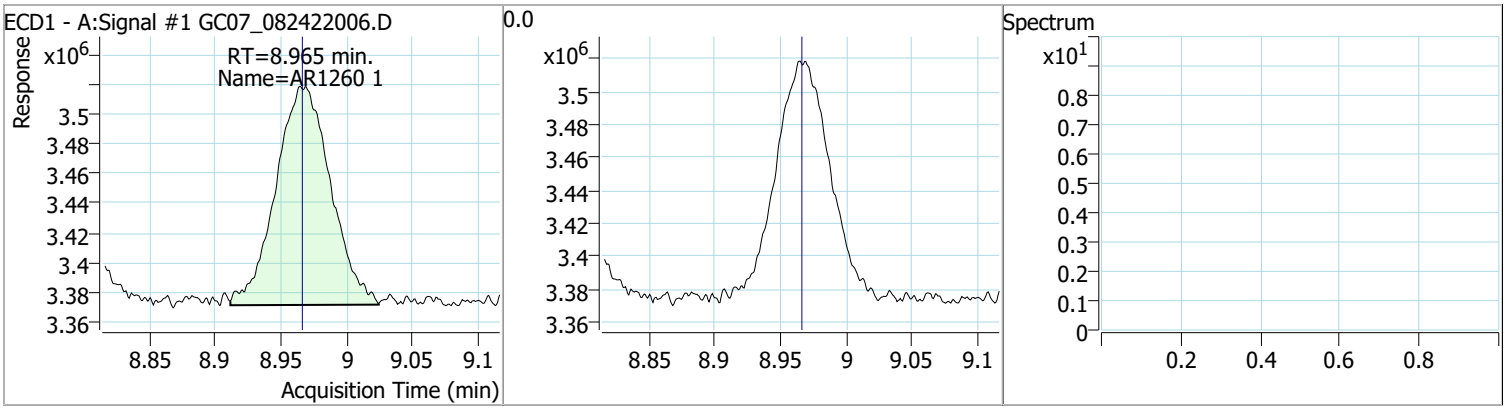
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	25.0088	7.13	0.00	94215				



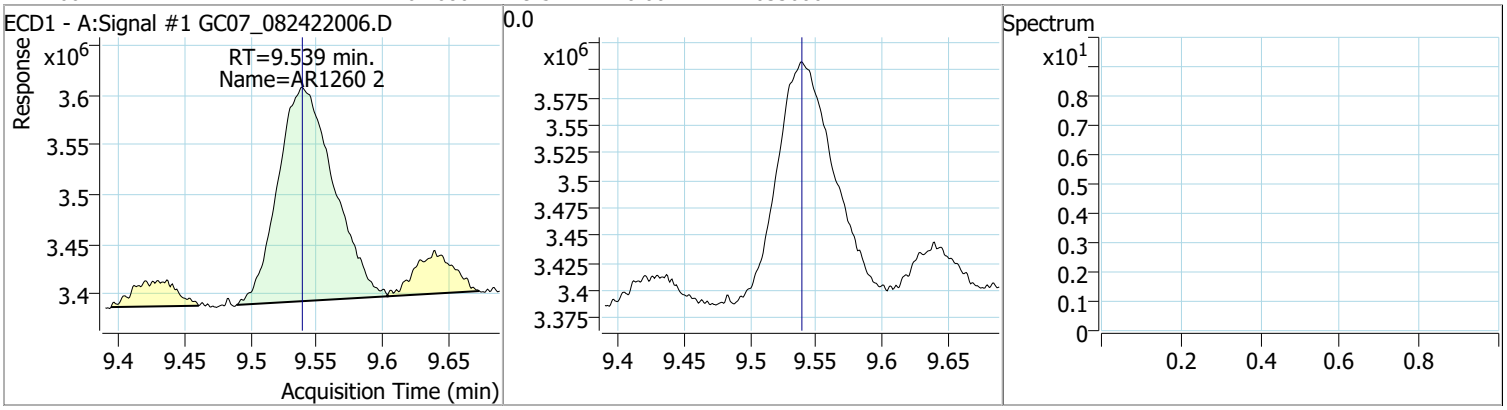
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	25.7270	7.85	0.00	80608				



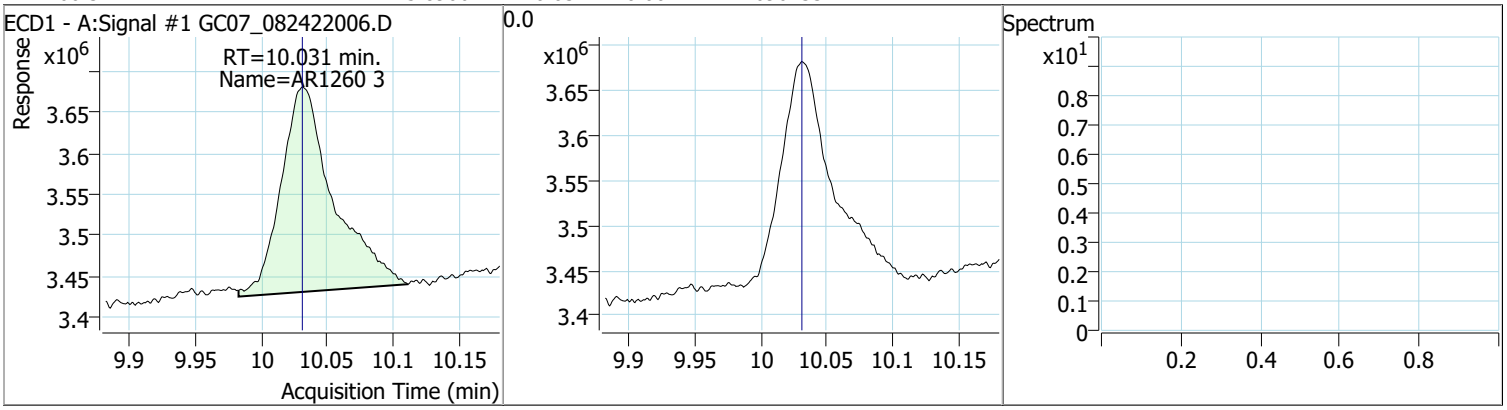
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	26.7907	8.97	0.00	424715				



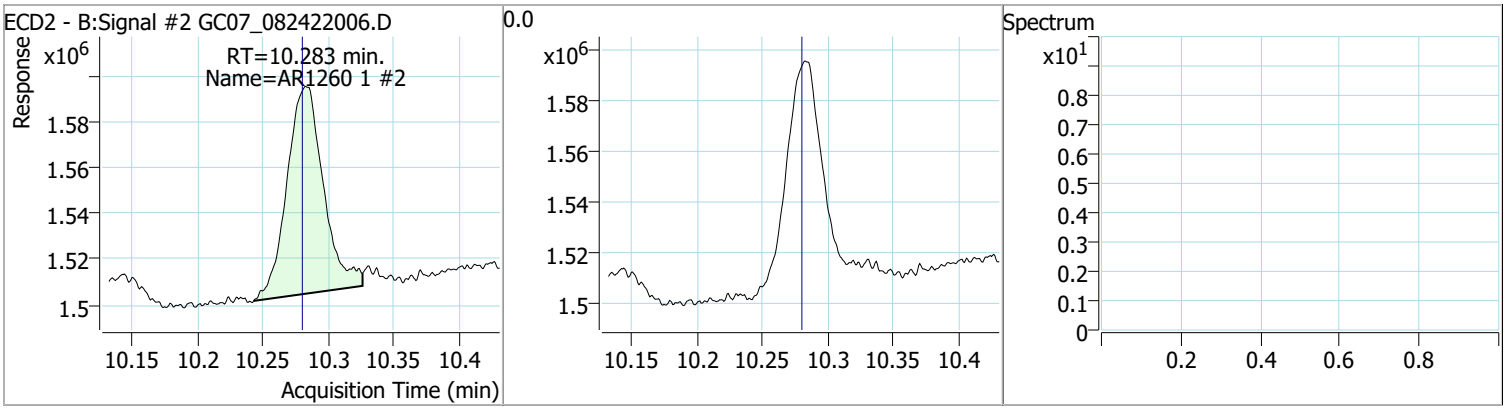
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	26.1080	9.54	0.00	633606				



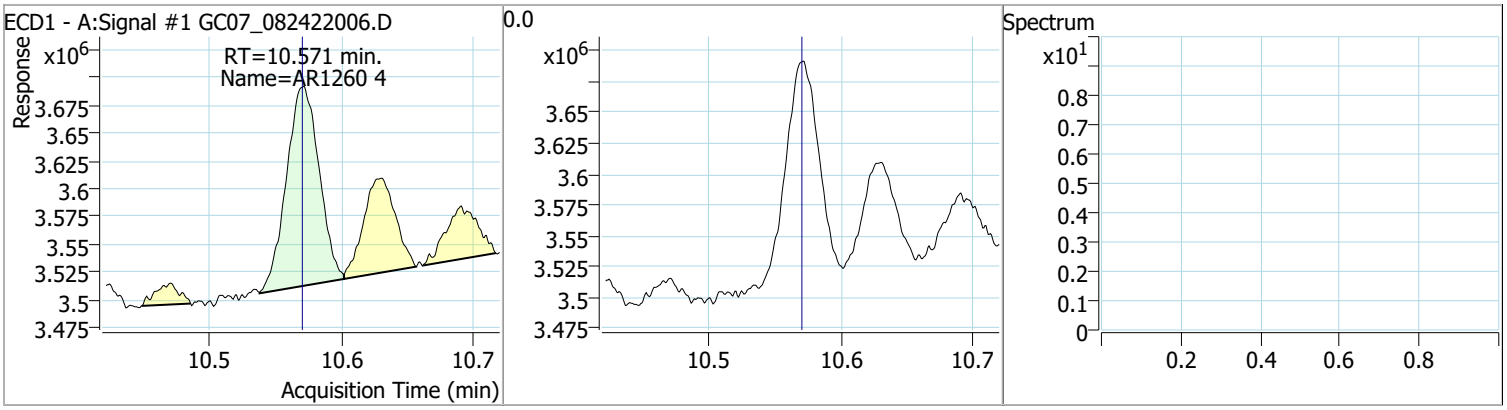
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	25.8906	10.03	0.00	696433				



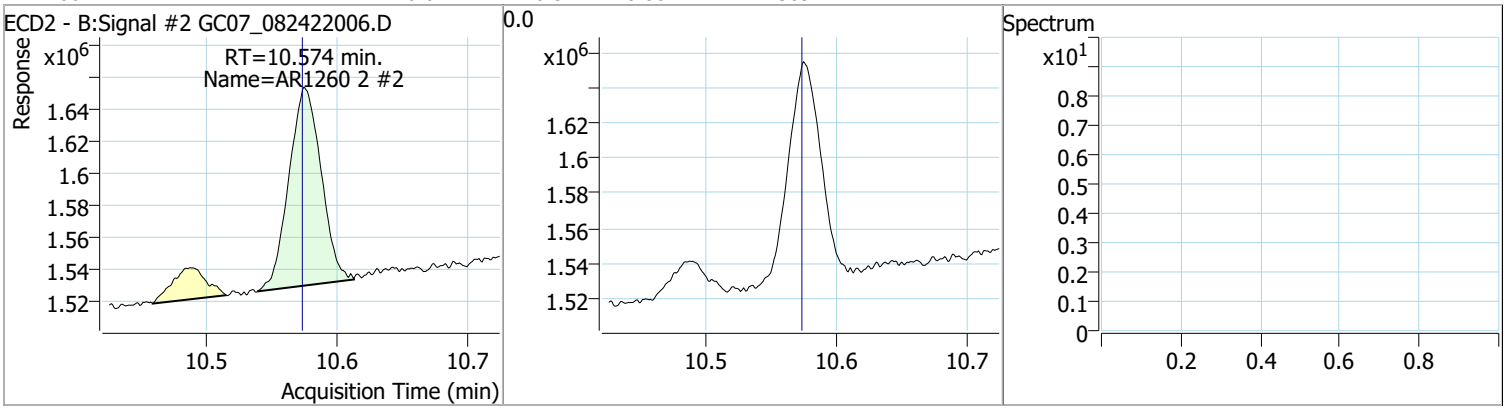
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	24.5638	10.28	0.00	175842				



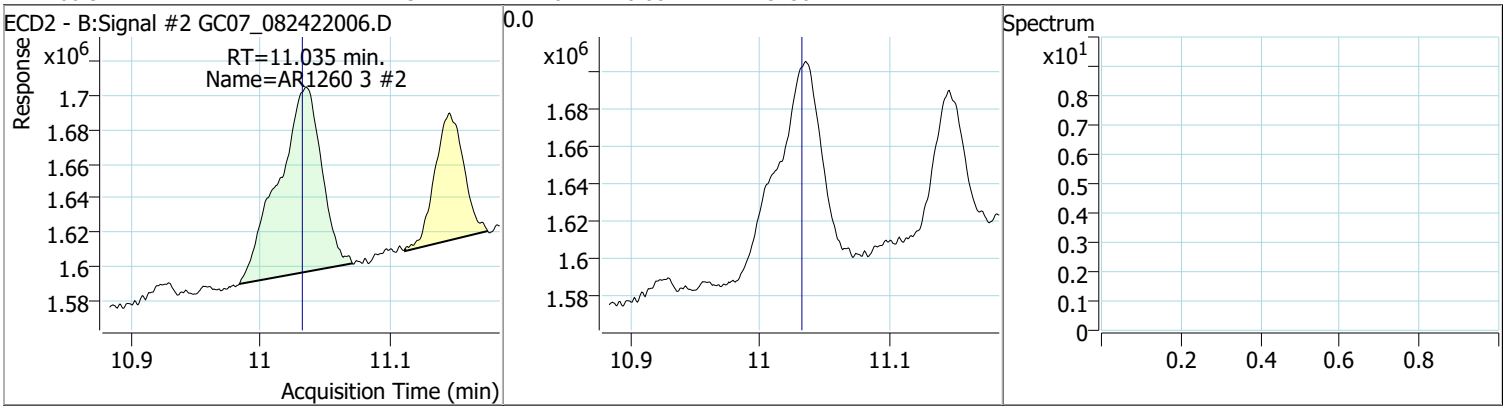
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	24.6290	10.57	0.00	310322				



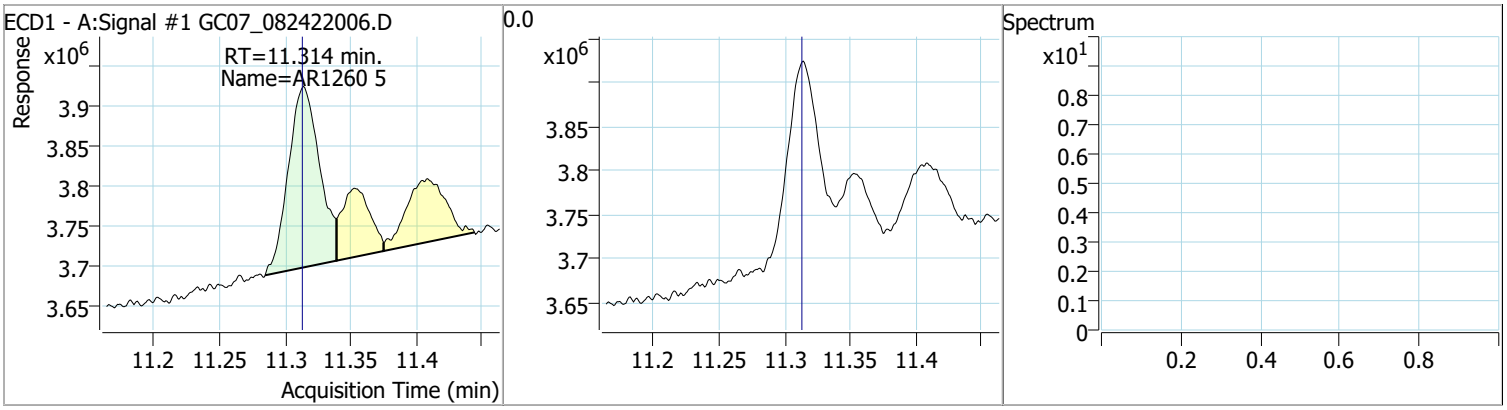
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	26.0171	10.57	0.00	213097				



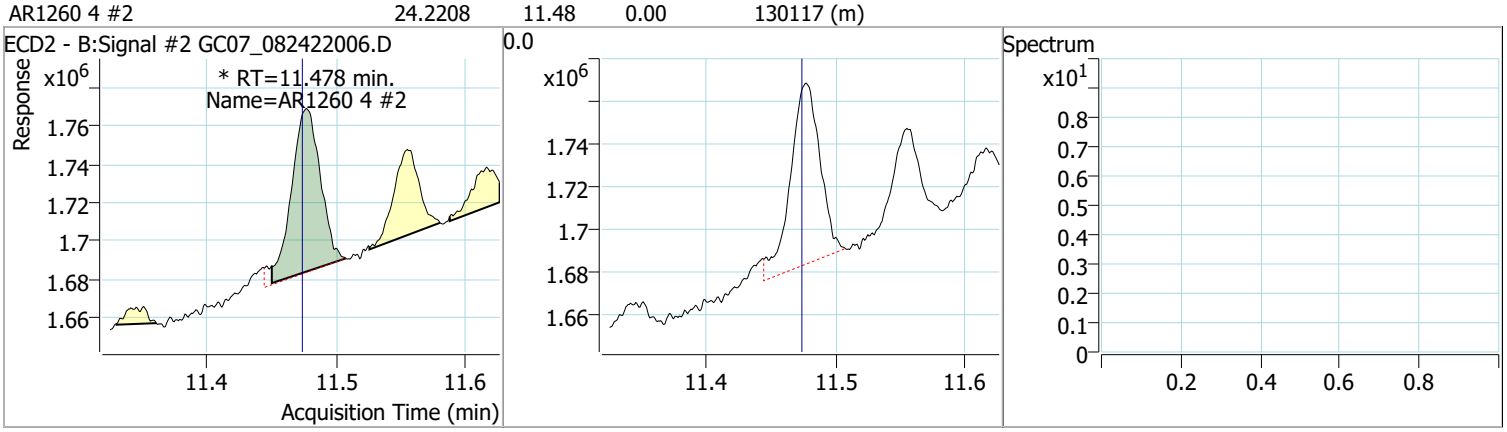
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	23.2712	11.04	0.00	251502				



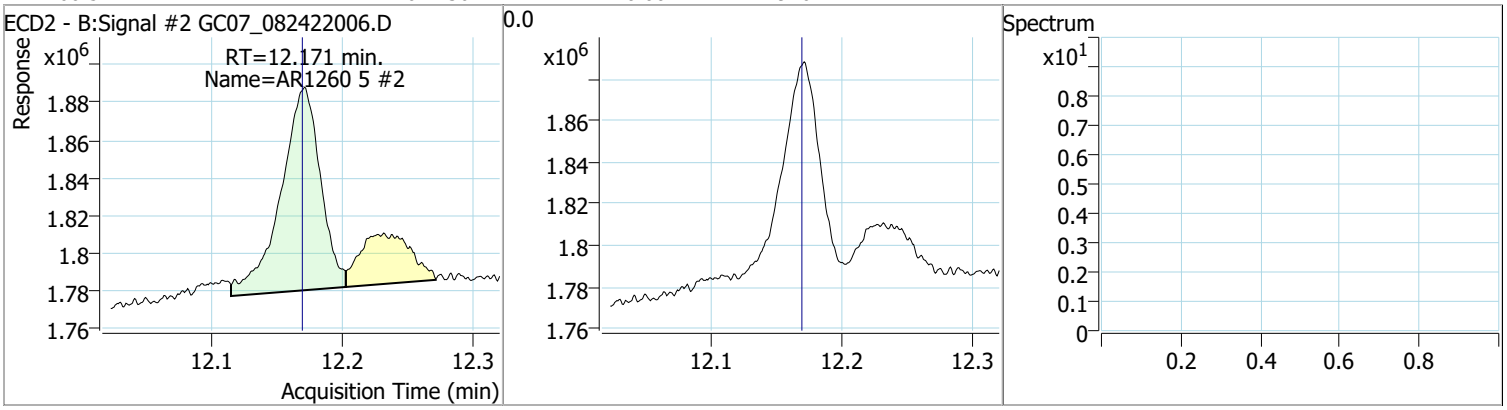
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	23.7845	11.31	0.00	377112				



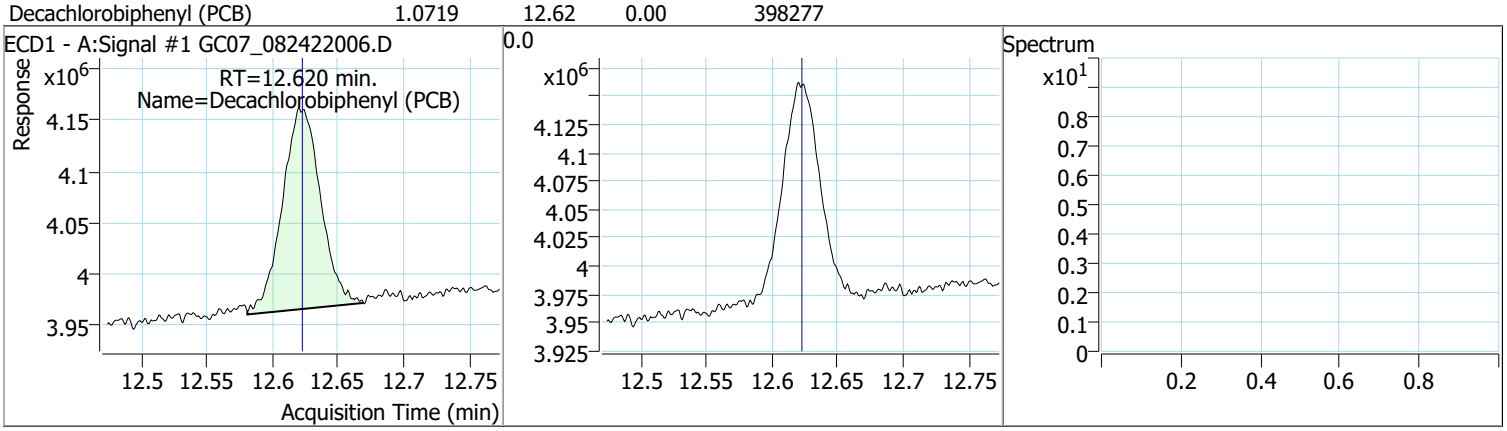
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	24.2208	11.48	0.00	130117 (m)				



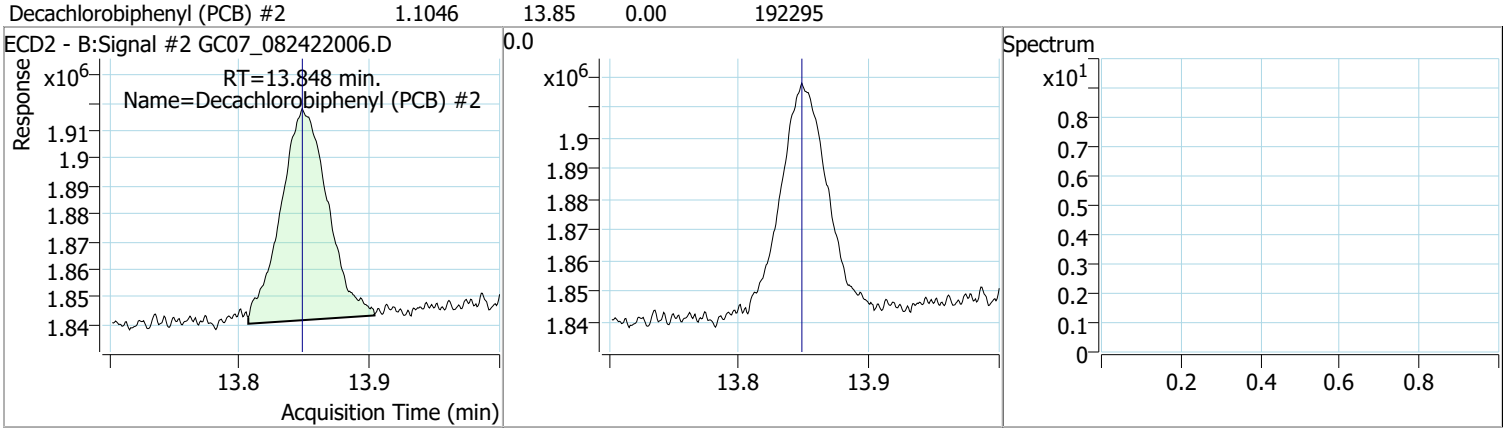
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	26.1136	12.17	0.00	229162				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.0719	12.62	0.00	398277				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	1.1046	13.85	0.00	192295				

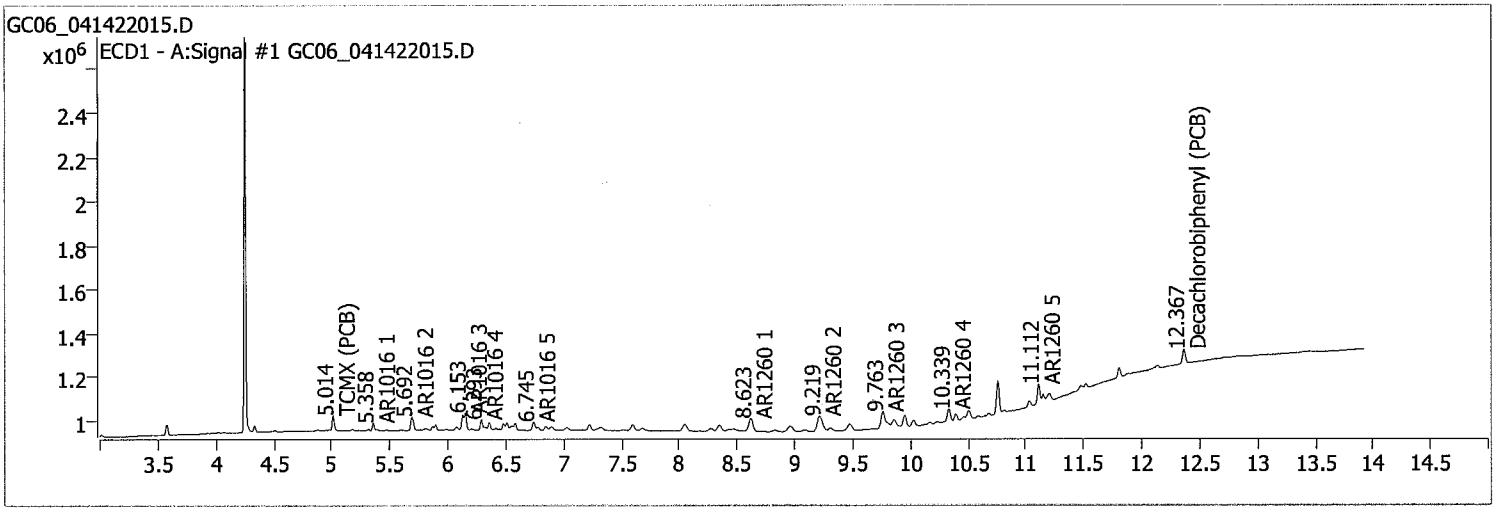


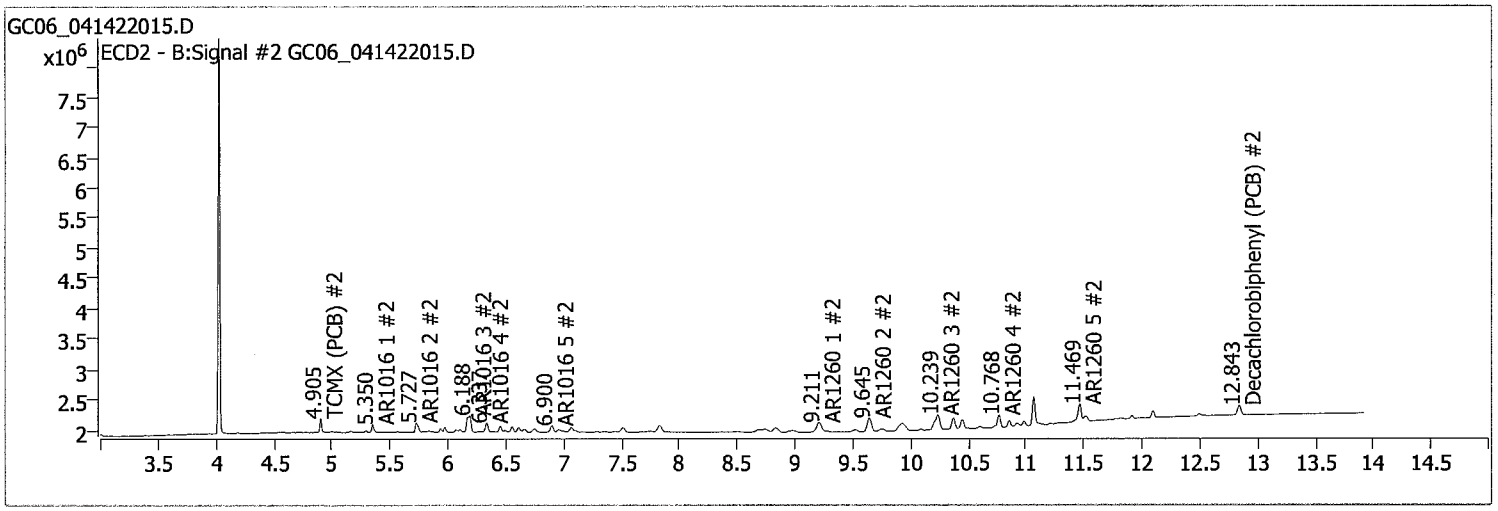
GC06 ICAL Low Point

Dual GC Quant Results Report (Not Reviewed)

Agilent

Data File	GC06_041422015.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 6:41:09 PM
Sample Name	ICAL, S16585, 100	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 111	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



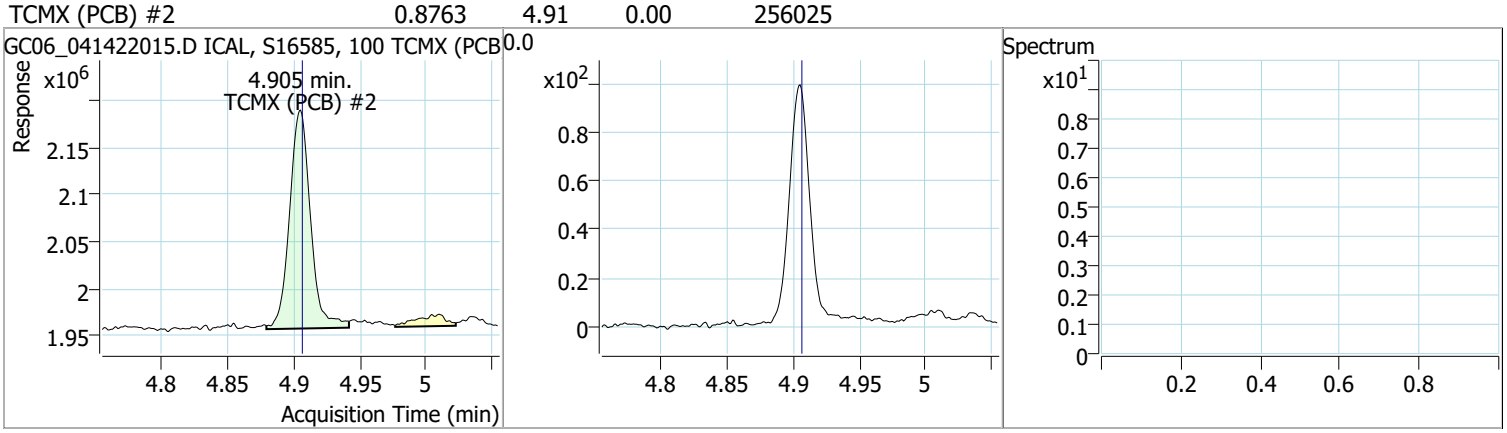


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.253	4.027	1793951	6378384	20.000	20.000	ng/ml
System Monitoring Compounds						DD 12/22/22	
S TCMX (PCB)	5.014	4.905	89398	256025	1.036	0.876	ng/ml
Spiked Amount: ~~20.000~~ 0.8 DD 12/22/22	Range: 50.0% - 150.0%			Recovery:	~~5.18%~~ * 129.5%	~~4.38%~~ * 109.5%	
S Decachlorobiphenyl (PCB)	12.367	12.843	124710	357322	0.914	0.928	ng/ml
Spiked Amount: ~~20.000~~ 0.8	Range: 50.0% - 150.0%			Recovery:	~~4.57%~~ * 114.2%	~~4.64%~~ * 116.0%	
Target Compounds							
T AR1016 1	5.358	5.350	41404	194235	23.595	32.518 #	ng/ml
T AR1016 2	5.692	5.727	103843	283357	27.178	22.859	ng/ml
T AR1016 3	6.153	6.188	99825	364940 m	22.199	22.324	ng/ml
T AR1016 4	6.293	6.337	81145	267822	24.114	24.148	ng/ml
T AR1016 5	6.745	6.900	65739	199594	25.254	23.018	ng/ml
T AR1260 1	8.623	9.211	154821	522967	27.423	27.090	ng/ml
T AR1260 2	9.219	9.645	231396	582072	26.611	26.095	ng/ml
T AR1260 3	9.763	10.239	221143	768352	24.464	25.354	ng/ml
T AR1260 4	10.339	10.768	116367	413484	25.884	25.214	ng/ml

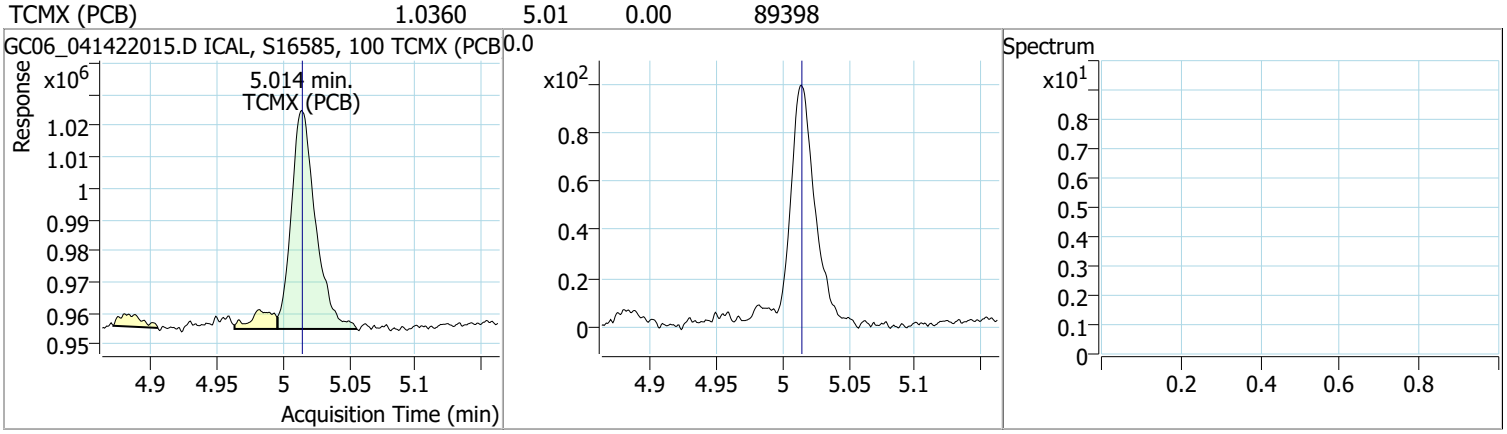
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.469	142909	632191	24.017	26.148	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

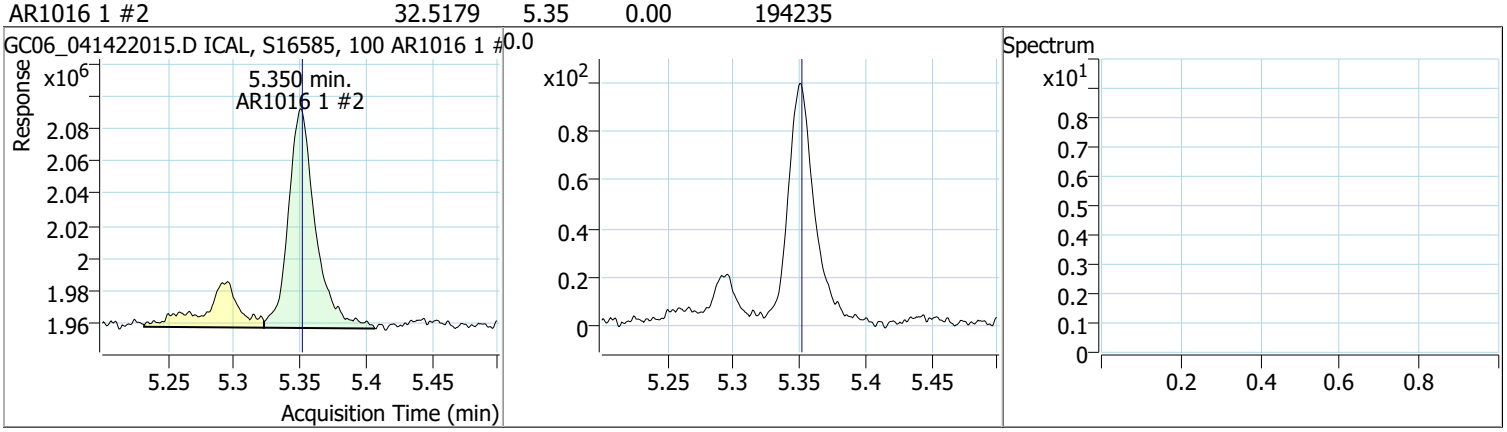
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	0.8763	4.91	0.00	256025			



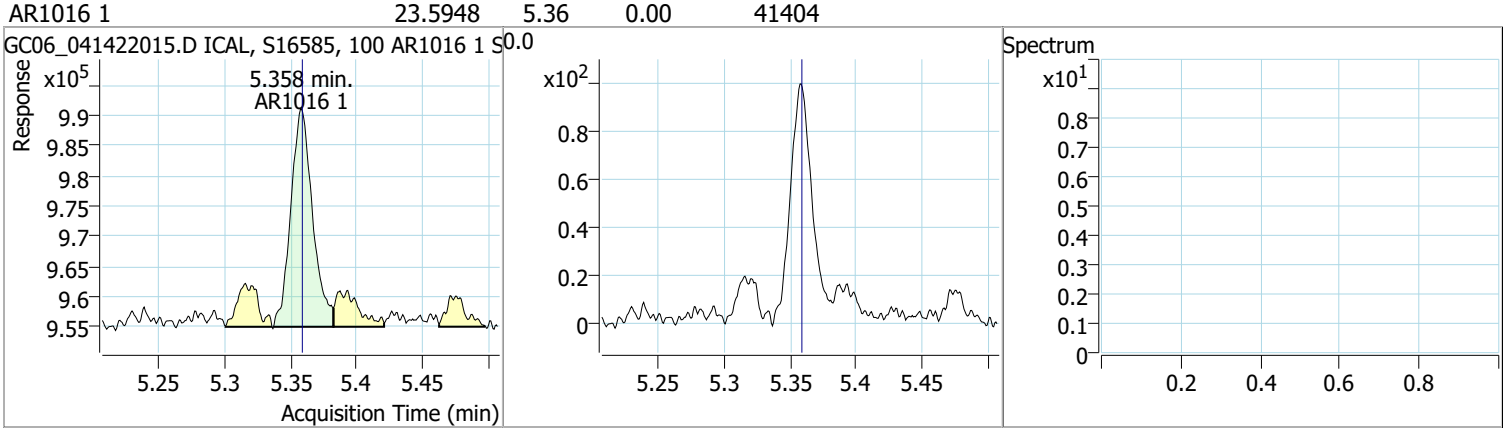
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	1.0360	5.01	0.00	89398			



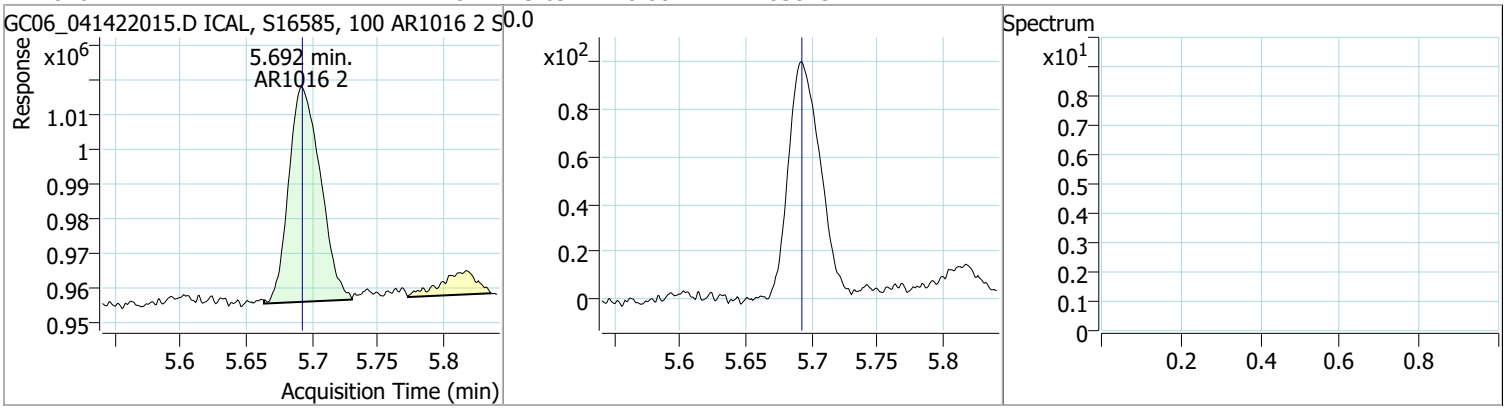
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	32.5179	5.35	0.00	194235			



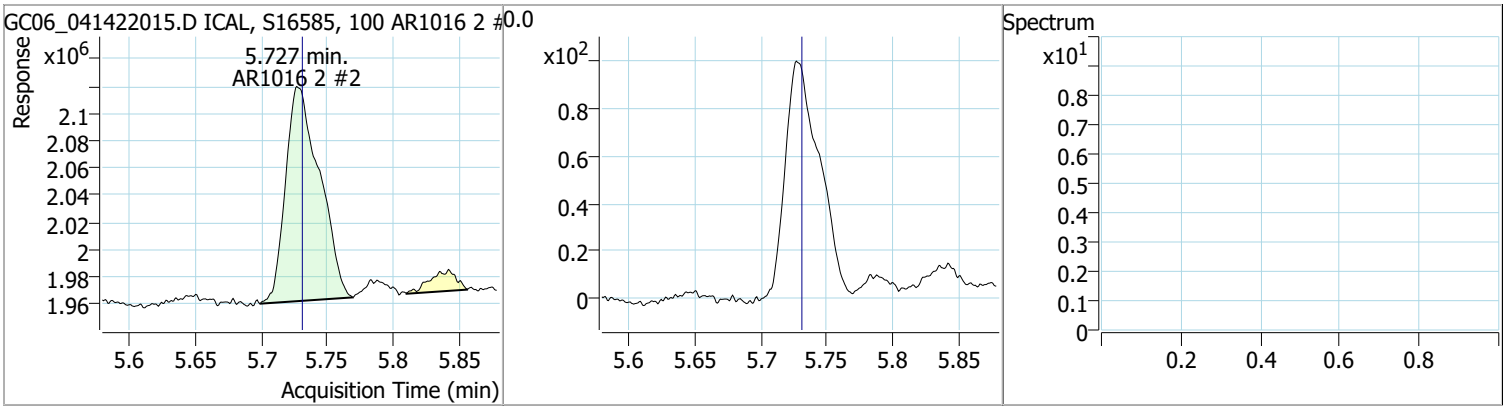
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	23.5948	5.36	0.00	41404			



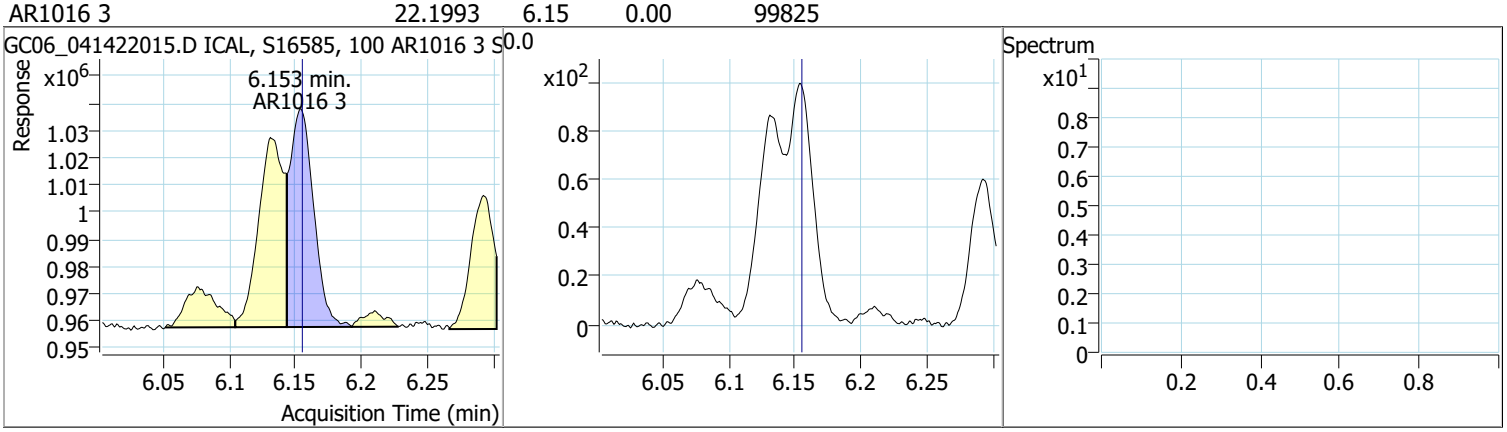
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	27.1781	5.69	0.00	103843			



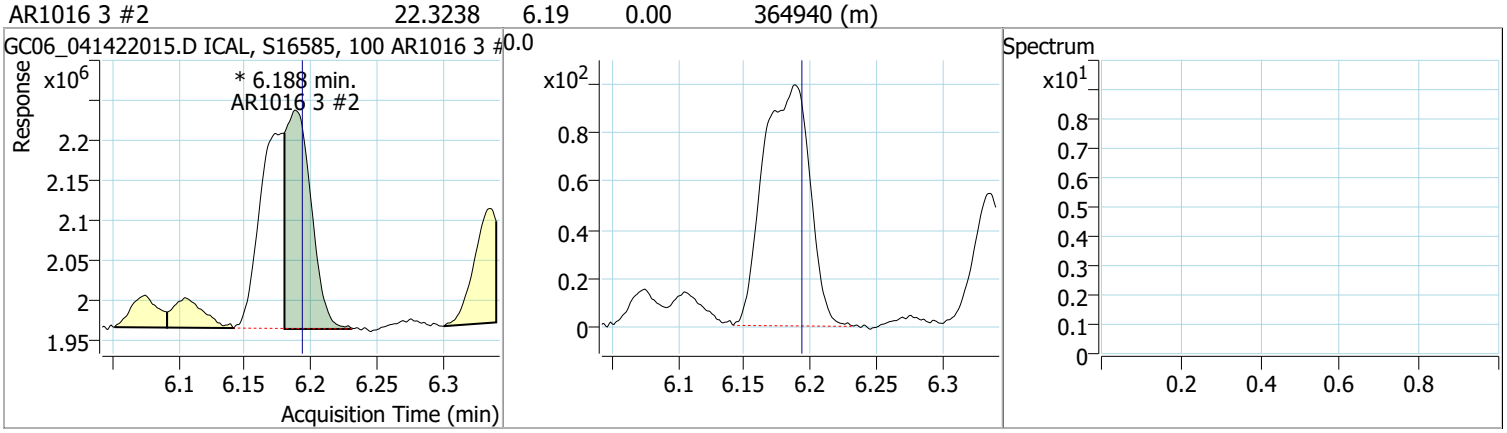
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	22.8591	5.73	0.00	283357			



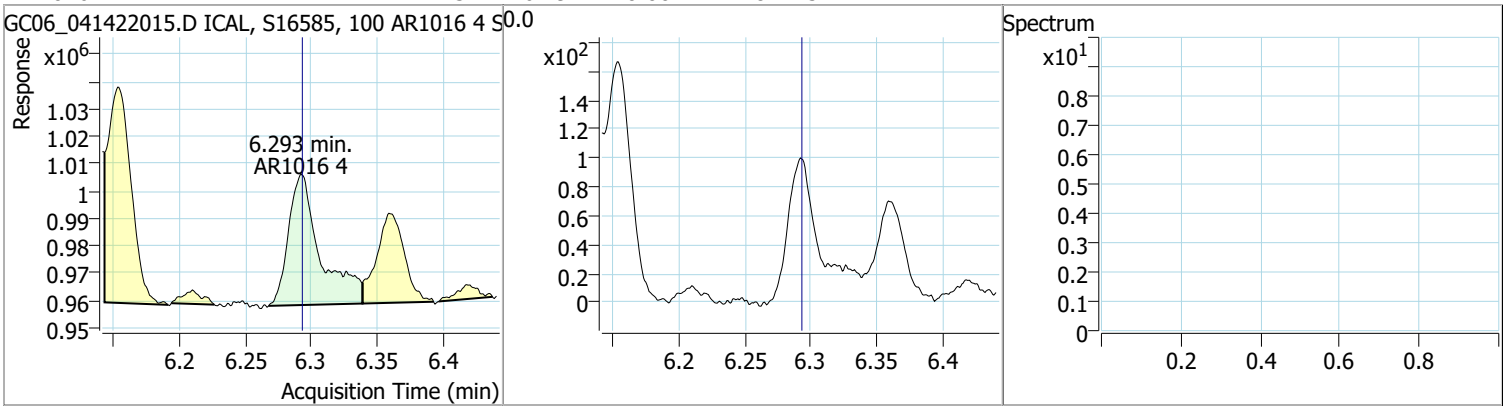
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	22.1993	6.15	0.00	99825			



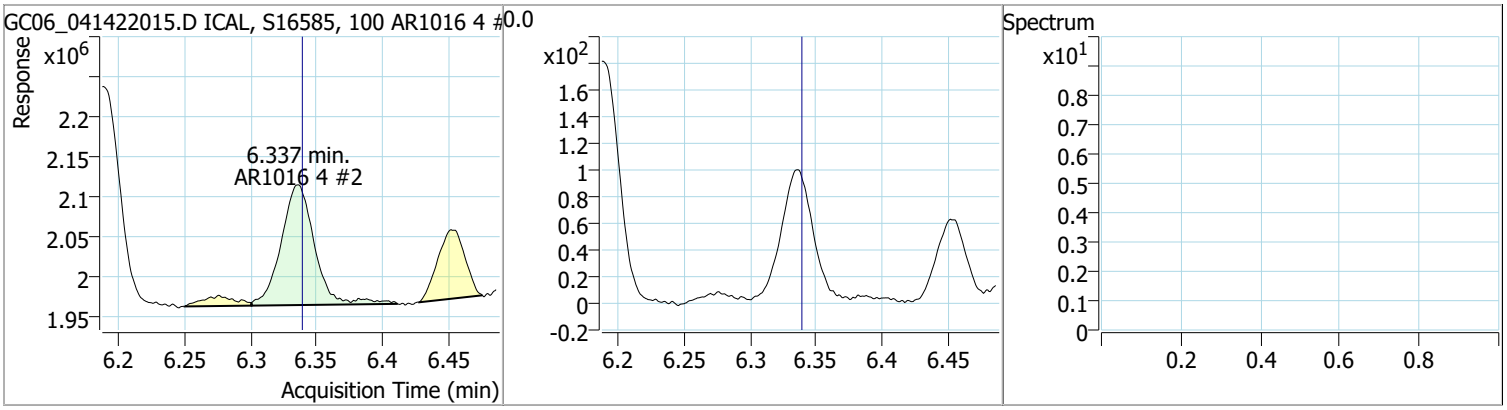
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	22.3238	6.19	0.00	364940 (m)			



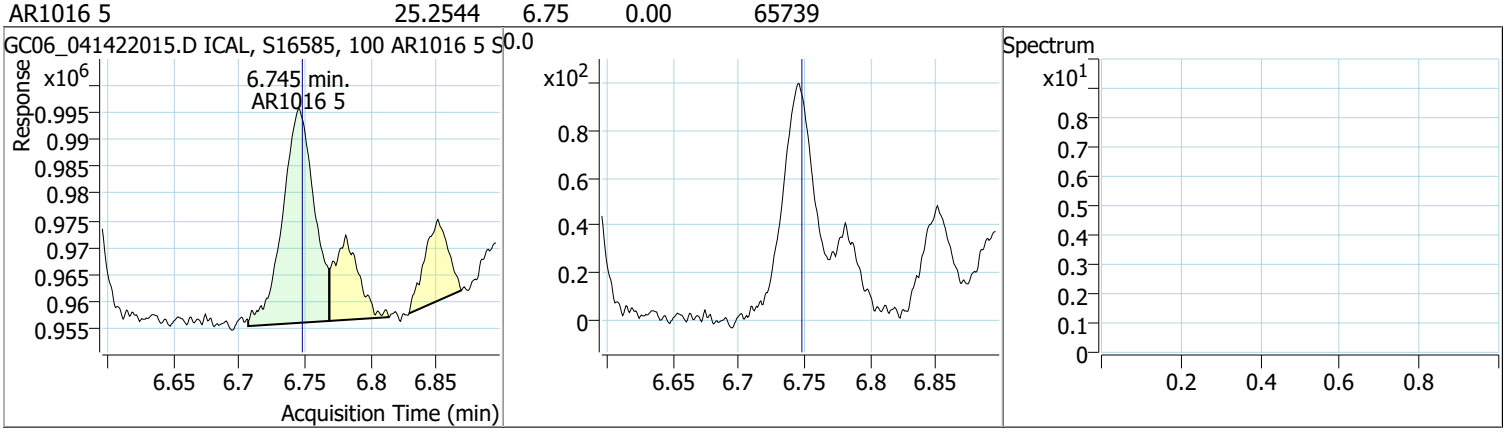
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
AR1016 4	24.1137	6.29	0.00	81145		



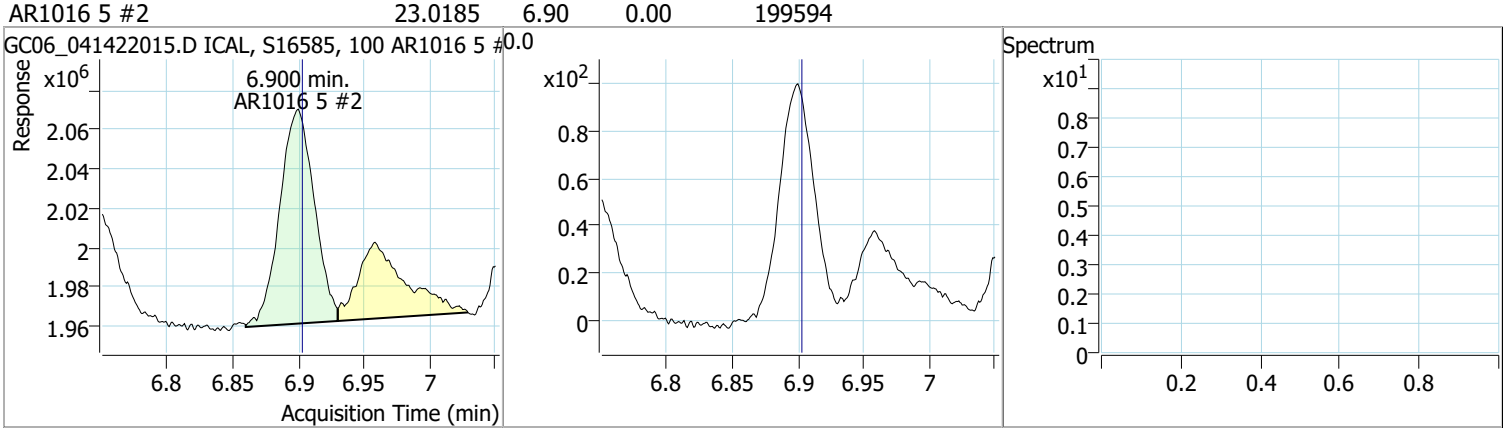
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	24.1482	6.34	0.00	267822		



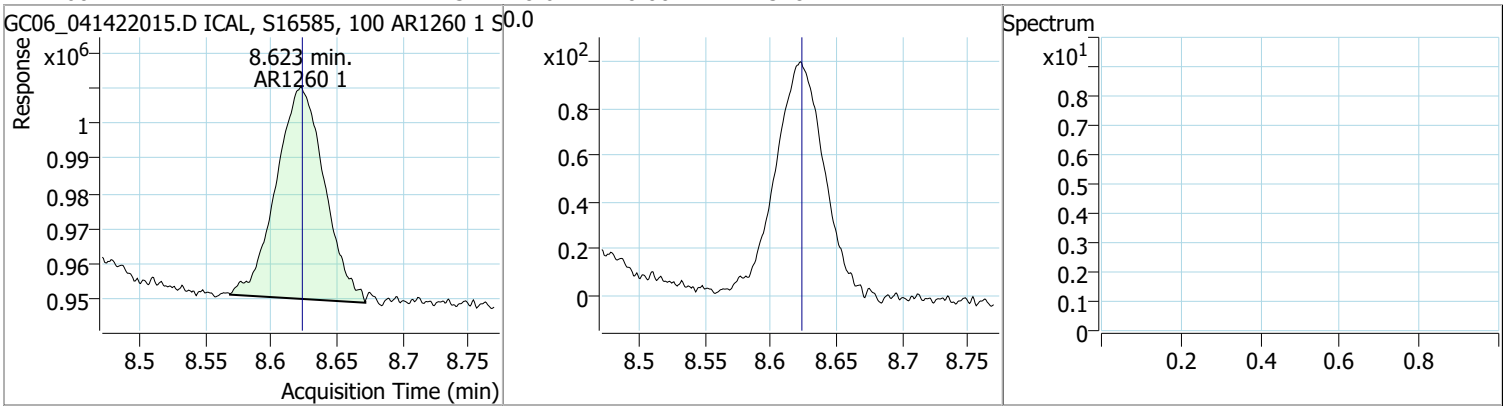
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
AR1016 5	25.2544	6.75	0.00	65739		



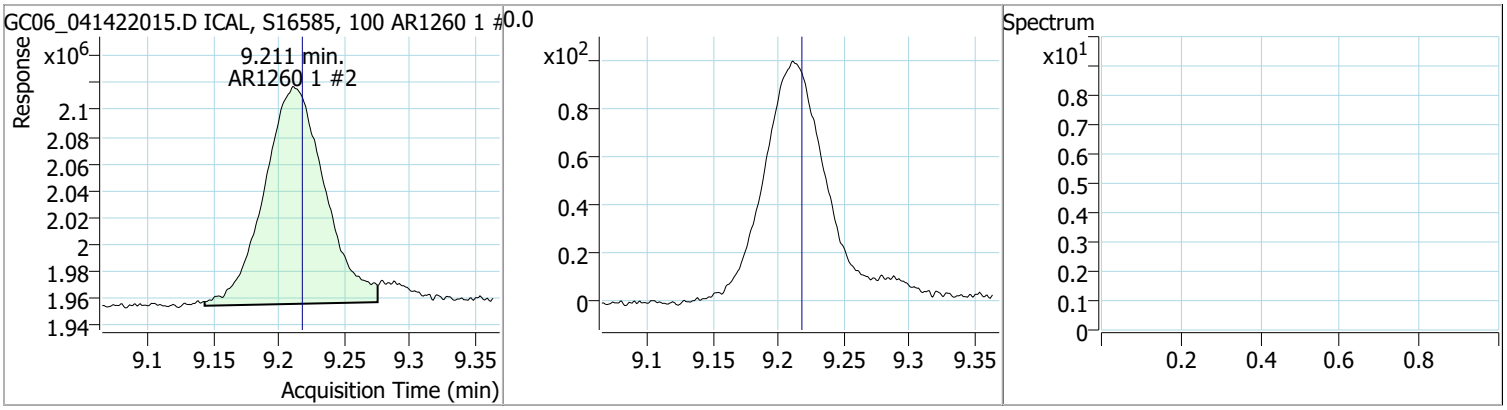
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	23.0185	6.90	0.00	199594		



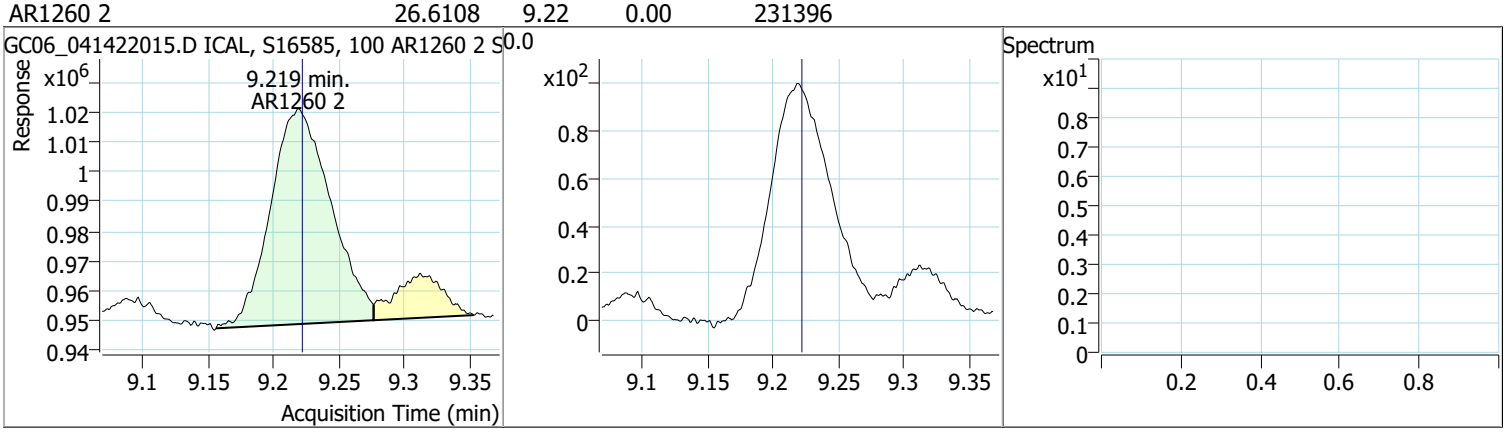
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	27.4232	8.62	0.00	154821			



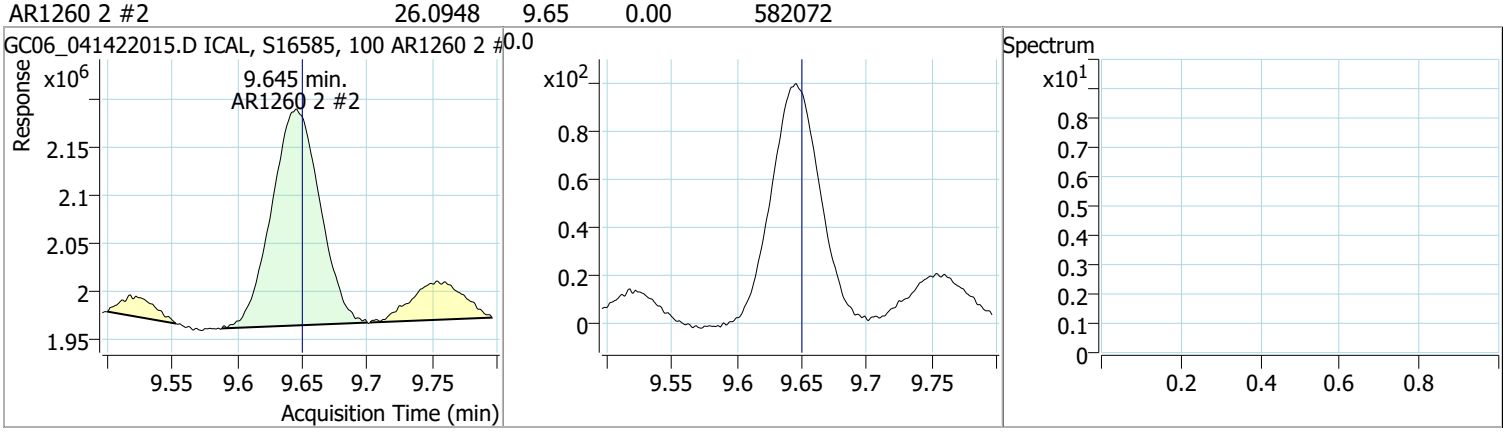
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	27.0901	9.21	0.00	522967			



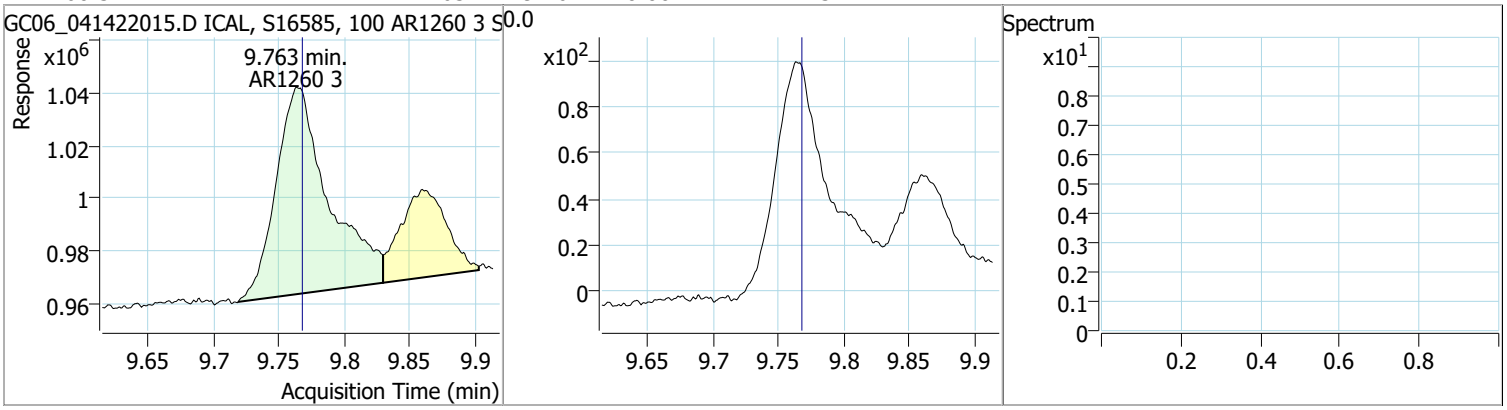
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	26.6108	9.22	0.00	231396			



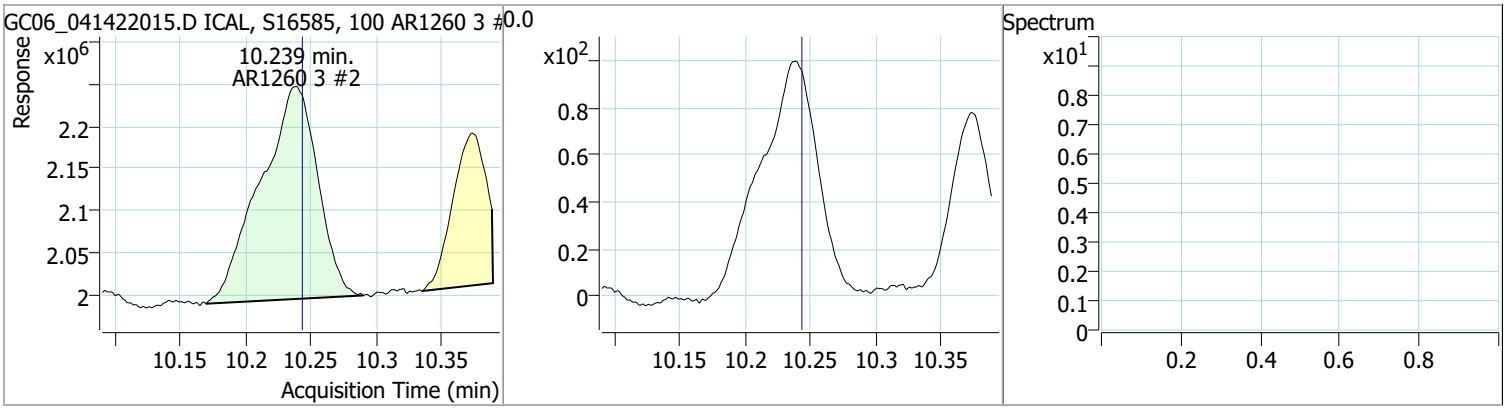
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	26.0948	9.65	0.00	582072			



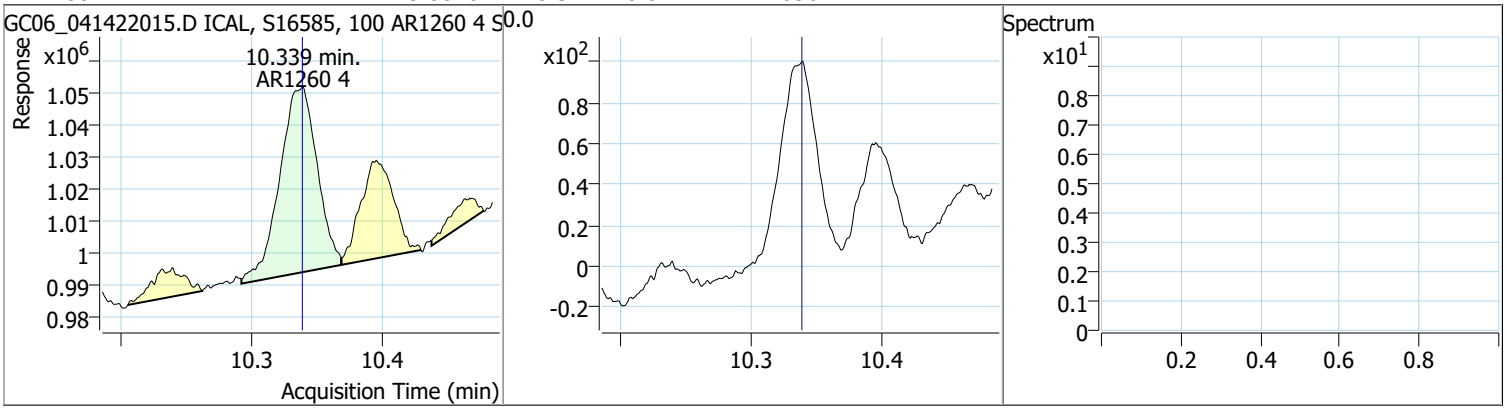
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	24.4637	9.76	0.00	221143			



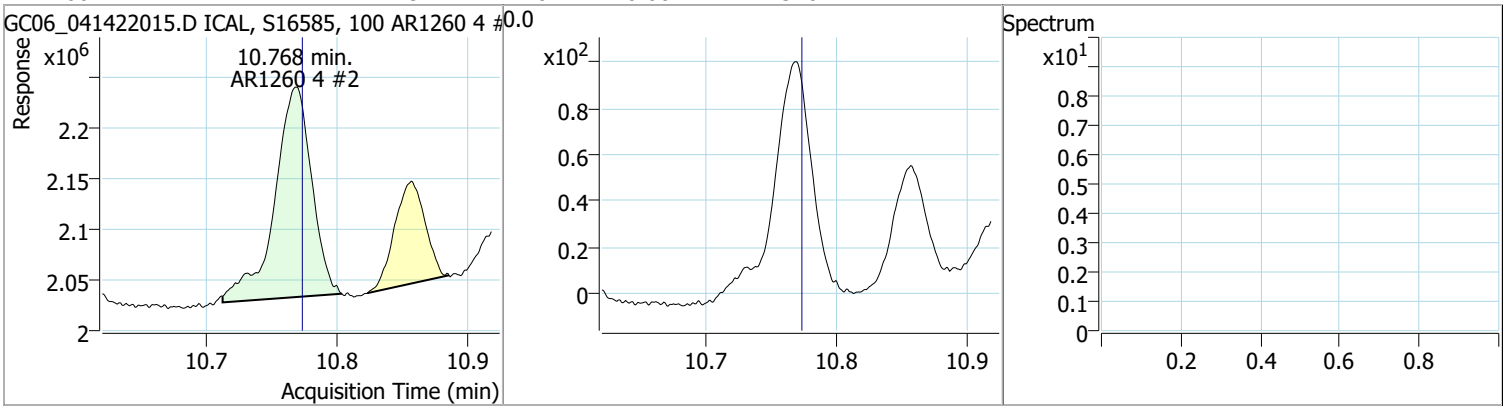
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	25.3537	10.24	0.00	768352			



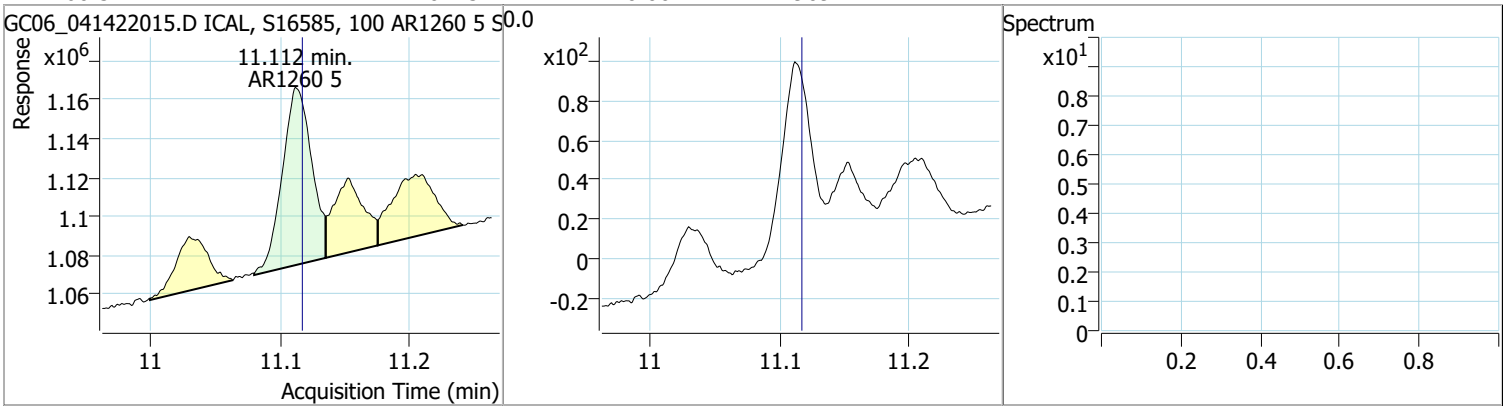
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	25.8840	10.34	0.01	116367			



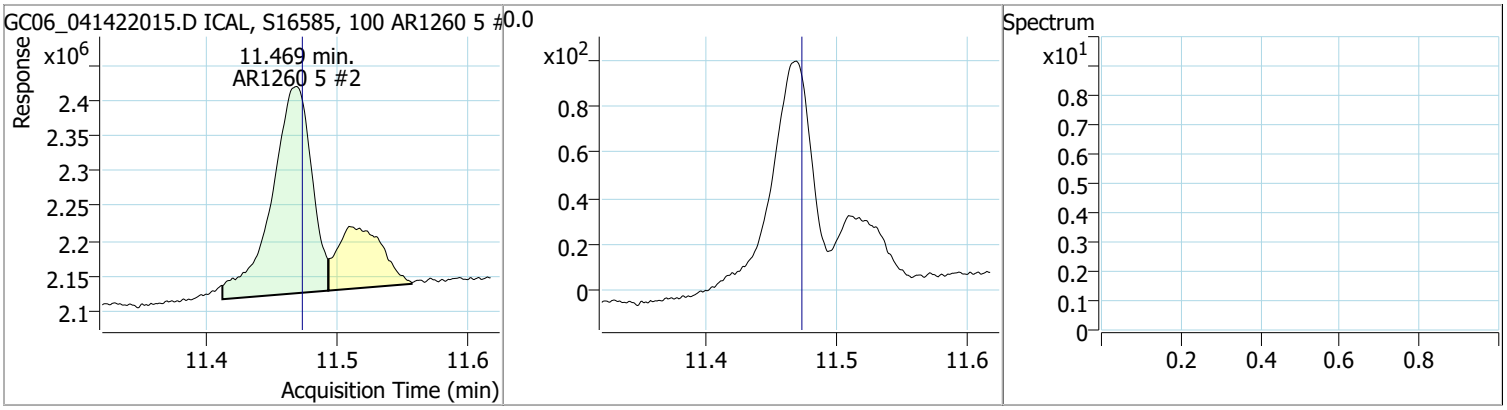
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	25.2144	10.77	0.00	413484			



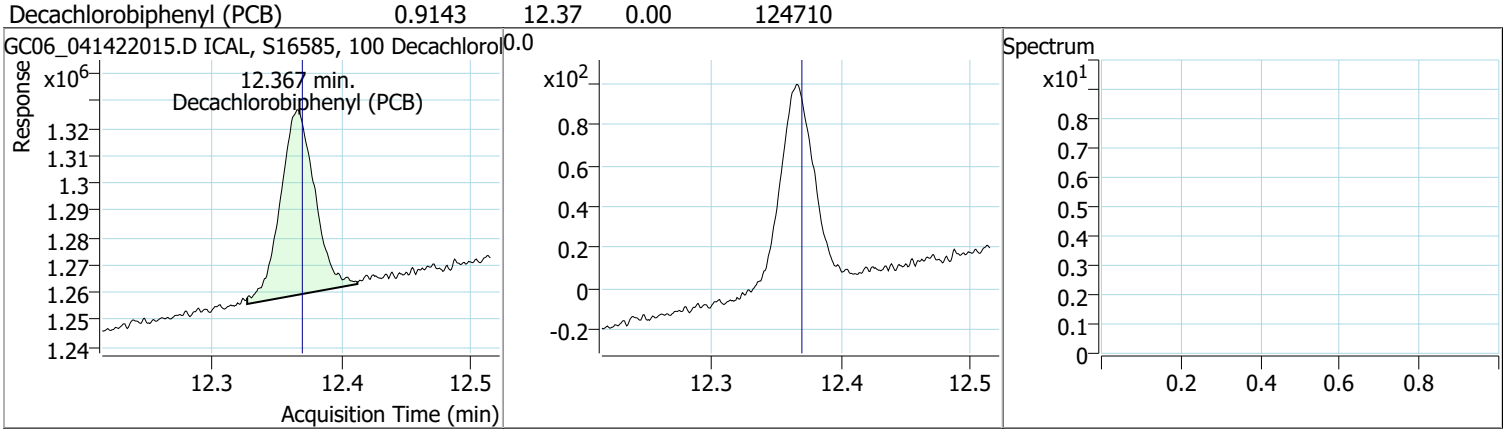
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	24.0175	11.11	0.00	142909			



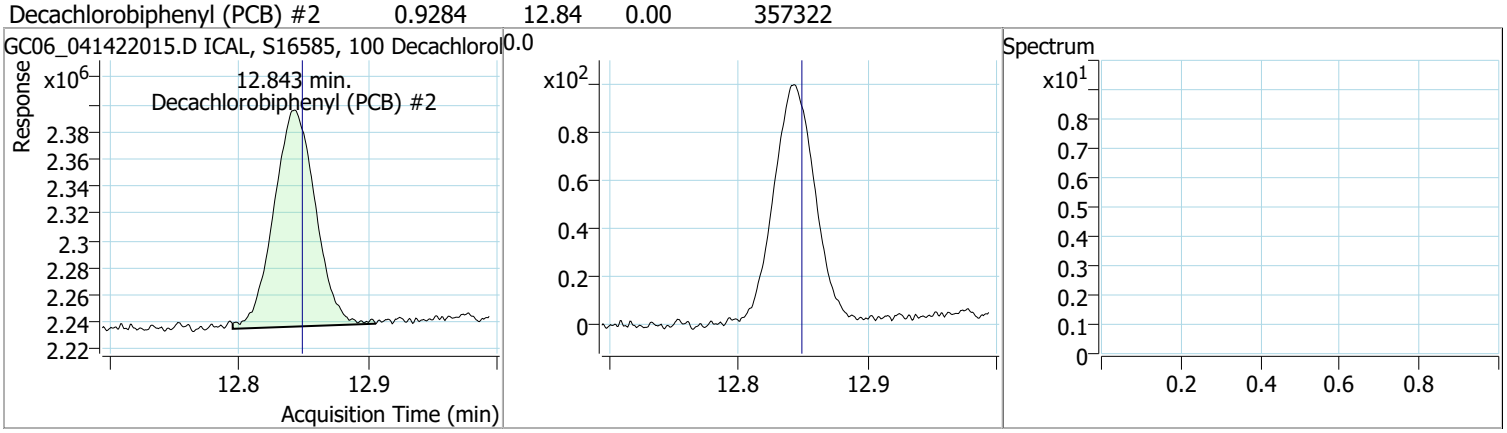
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	26.1482	11.47	0.00	632191			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	0.9143	12.37	0.00	124710			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	0.9284	12.84	0.00	357322			

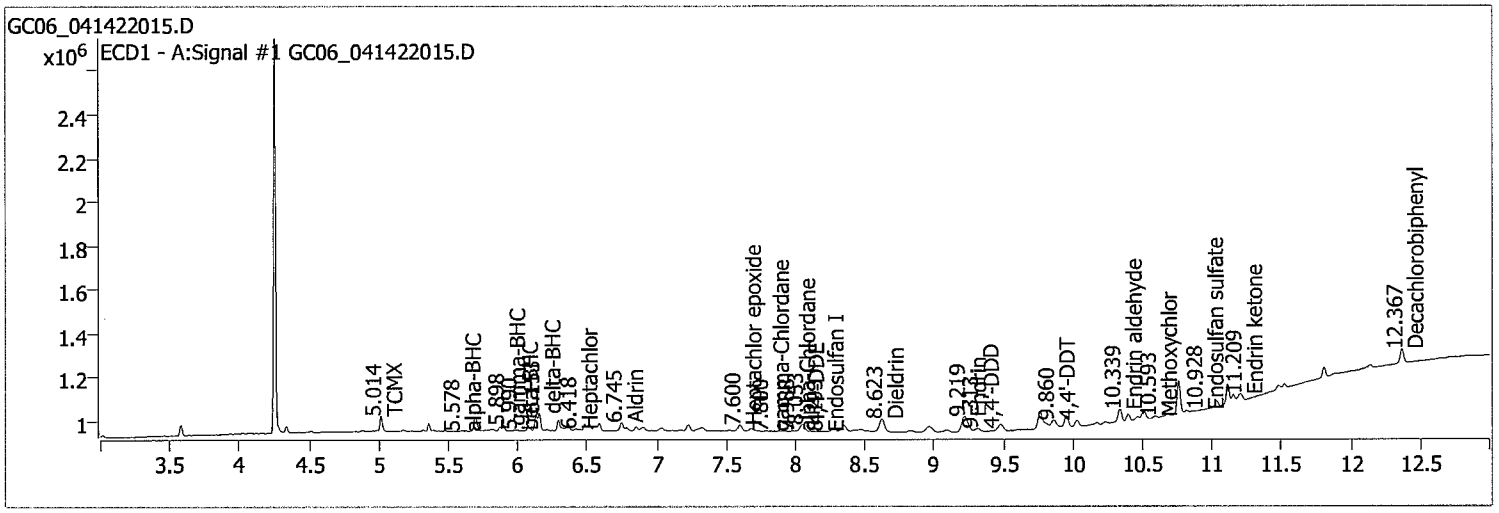


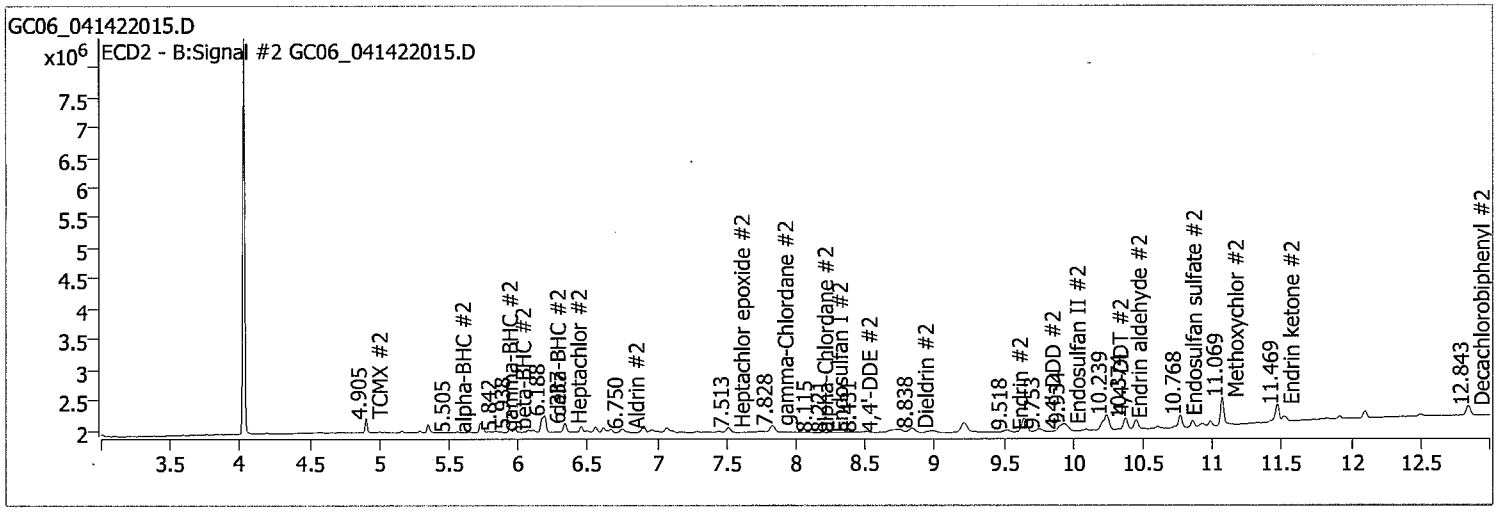
GC06 low cal point

Dual GC Quant Results Report (Not Reviewed)

Agilent

Data File	GC06_041422015.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 6:41:09 PM
Sample Name	ICAL, S16585, 100	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 111	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 6:55:24 PM





Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.253	4.027	1774720	6352383	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.014	4.905	90330	253551	1.099	0.919	ng/ml
Spiked Amount: ~~20.000~~ 0.8	Range: 50.0% - 150.0%			Recovery:	~~5.50%~~ * 137.4%	~~4.59%~~ * 114.9%	
S Decachlorobiphenyl	12.367	12.843	123436	345245	1.039	0.981	ng/ml
Spiked Amount: ~~20.000~~ 0.8	Range: 50.0% - 150.0%			Recovery:	5.19% * 129.9%	~~4.91%~~ * 122.6%	
Target Compounds							
T alpha-BHC	5.578	5.505	553	2637	0.006	0.008 #	ng/ml
T gamma-BHC	5.898	5.842	30350	51202	0.323	0.149 #	ng/ml
T beta-BHC	5.990	5.938	6611	76395	0.139	0.444 #	ng/ml
T delta-BHC	6.153	6.188	94954	669432	0.941	1.636 #	ng/ml
T Heptachlor	6.418	6.337	7750	264858	0.080	0.718 #	ng/ml
T Aldrin	6.745	6.750	65376	127208	0.686	0.353 #	ng/ml
T Heptachlor epoxide	7.600	7.513	54781	165853	0.587	0.506	ng/ml
T gamma-Chlordane	7.800	7.828	2517	258330	0.029	0.741 #	ng/ml
T alpha-Chlordane	7.988	8.115	2641	3581	0.031	0.012 #	ng/ml

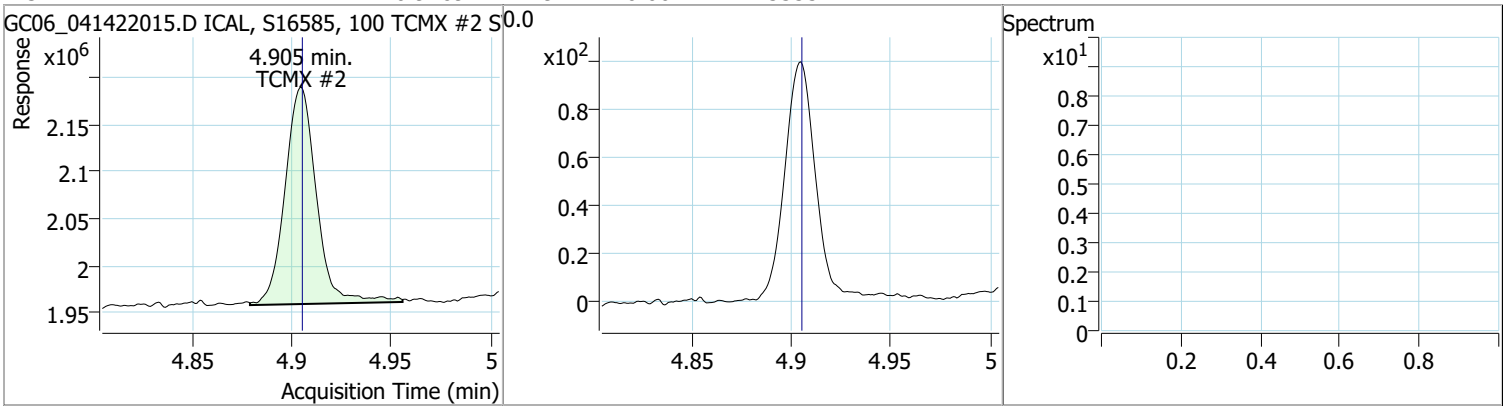
12/22/22

12/22/22

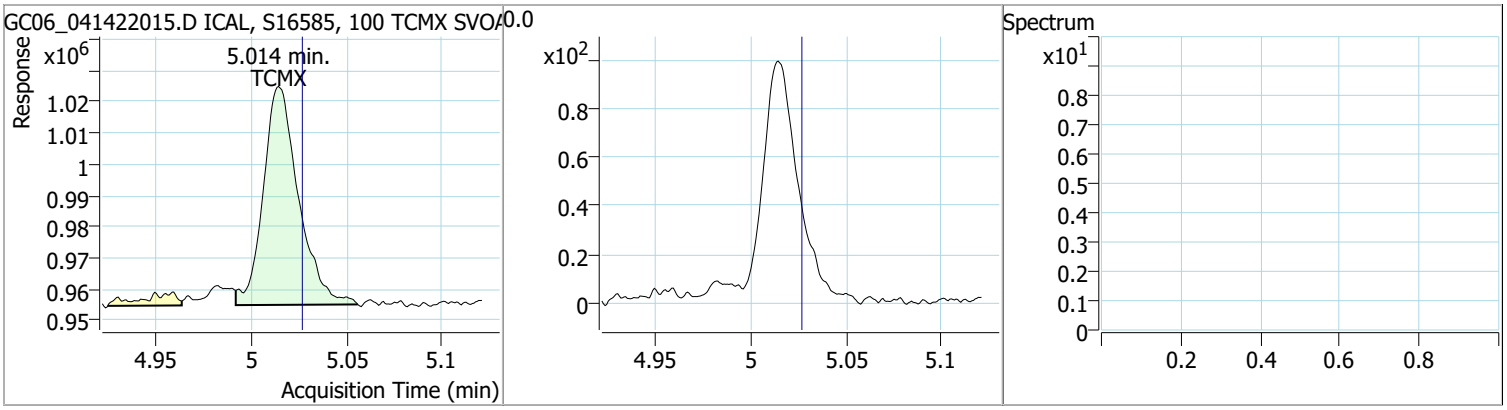
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.193	8.221	1453	1168	0.018	0.004 #	ng/ml
T 4,4'-DDE	8.053	8.431	80424	1178	0.957	0.004 #	ng/ml
T Dieldrin	8.623	8.838	157673	177695	1.679	0.574 #	ng/ml
T Endrin	9.219	9.518	234737	105500	2.650	0.376 #	ng/ml
T 4,4'-DDD	9.313	9.753	24757	119452	0.391	0.480	ng/ml
T Endosulfan II	----	9.934 f	0	542724	N.D.	1.744 #	ng/ml
T 4,4'-DDT	9.860	10.239	77219	762866	0.990	2.406 #	ng/ml
T Endrin aldehyde	10.339	10.374	31868	366941	0.499	1.596 #	ng/ml
T Endosulfan sulfate	10.928	10.768	3135	395804	0.041	1.508 #	ng/ml
T Methoxychlor	10.593	11.069 f	14377	843779	0.298	5.159 #	ng/ml
T Endrin ketone	11.209	11.469 f	48846	729349	0.509	2.166 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

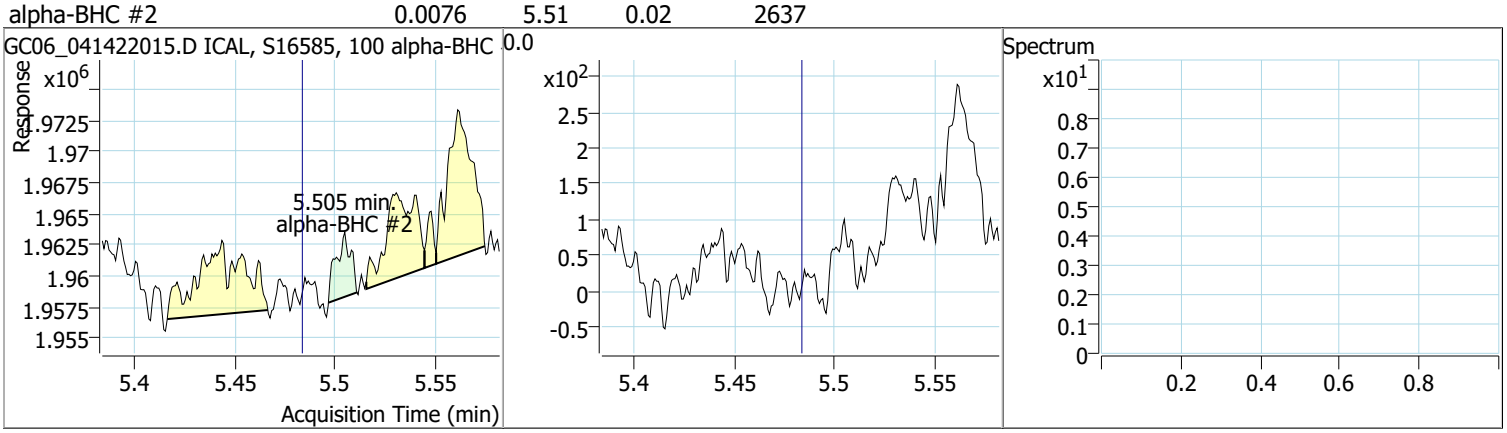
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	0.9189	4.91	0.00	253551			



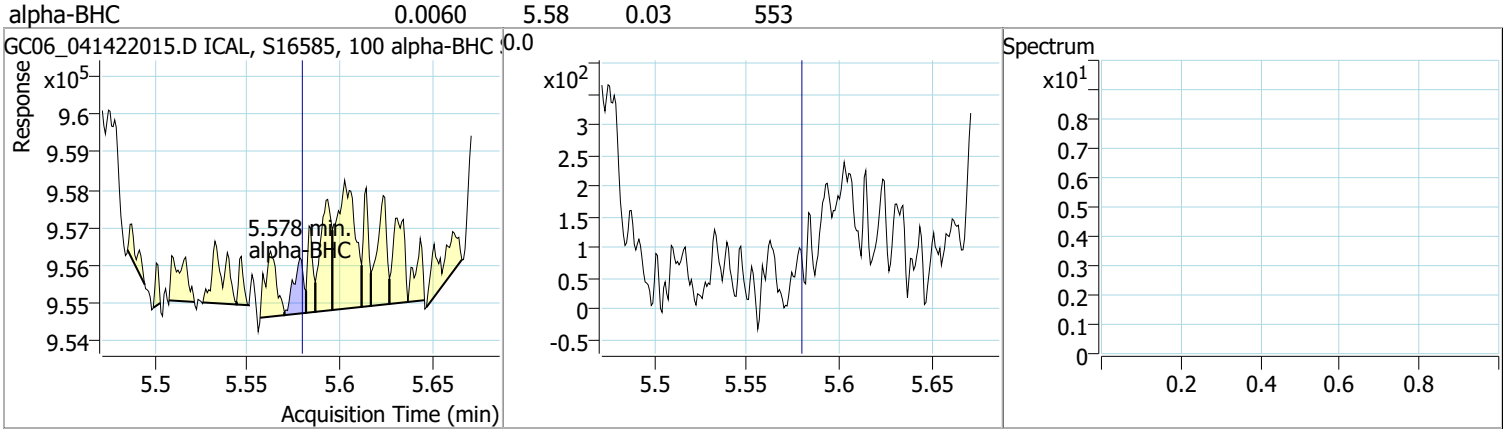
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	1.0990	5.01	0.02	90330			



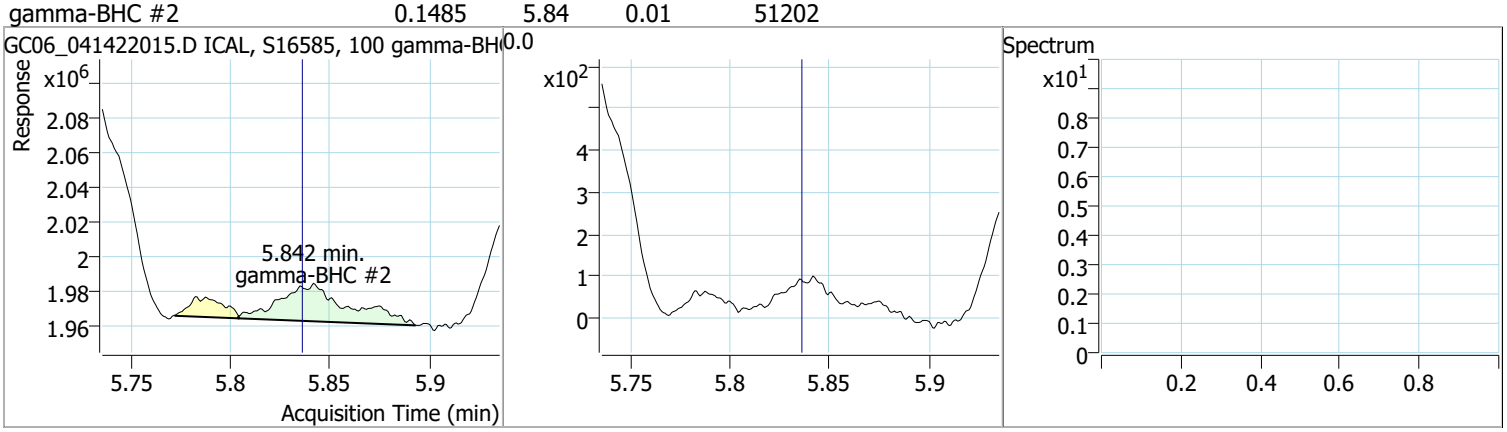
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	0.0076	5.51	0.02	2637			



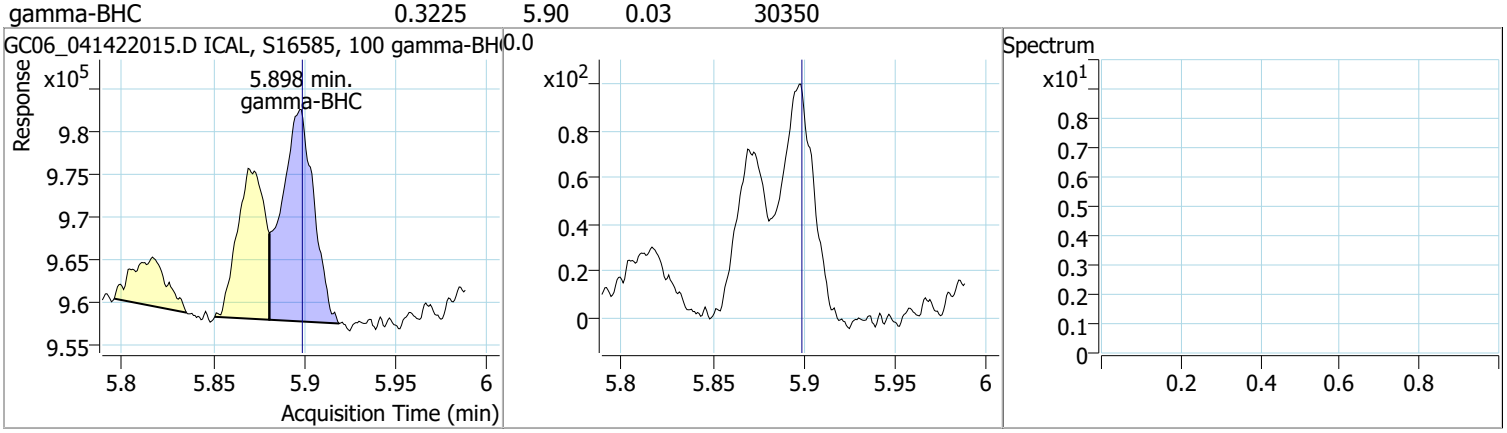
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC	0.0060	5.58	0.03	553			



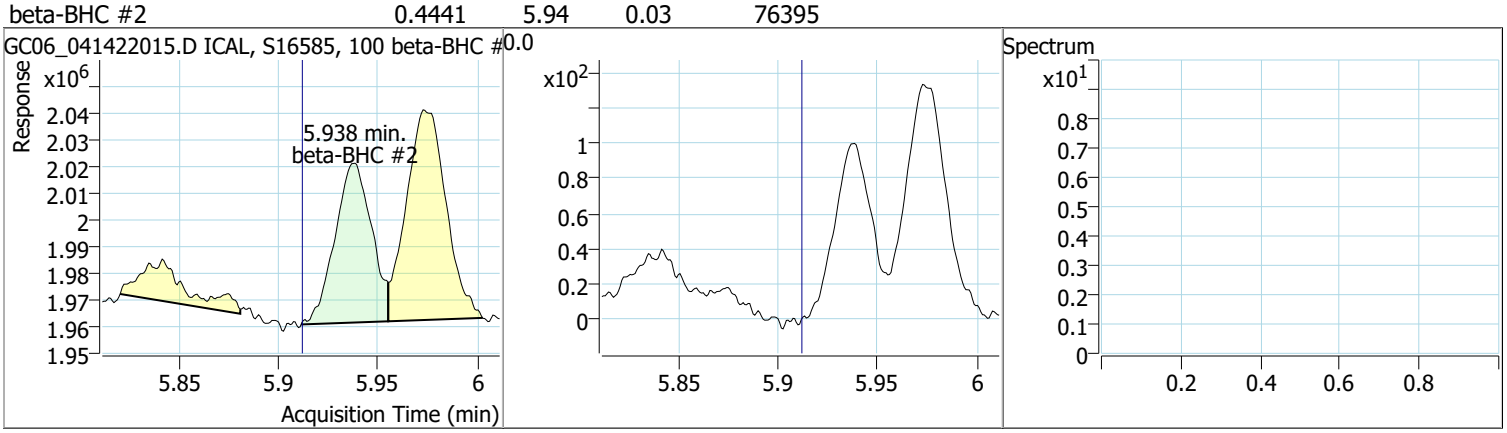
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	0.1485	5.84	0.01	51202			



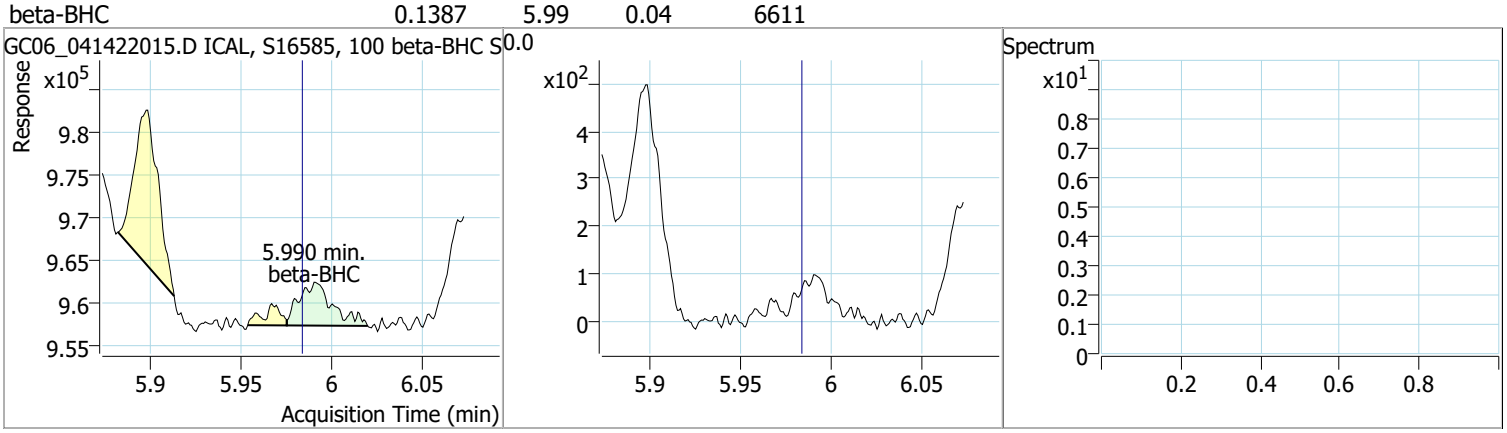
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	0.3225	5.90	0.03	30350			



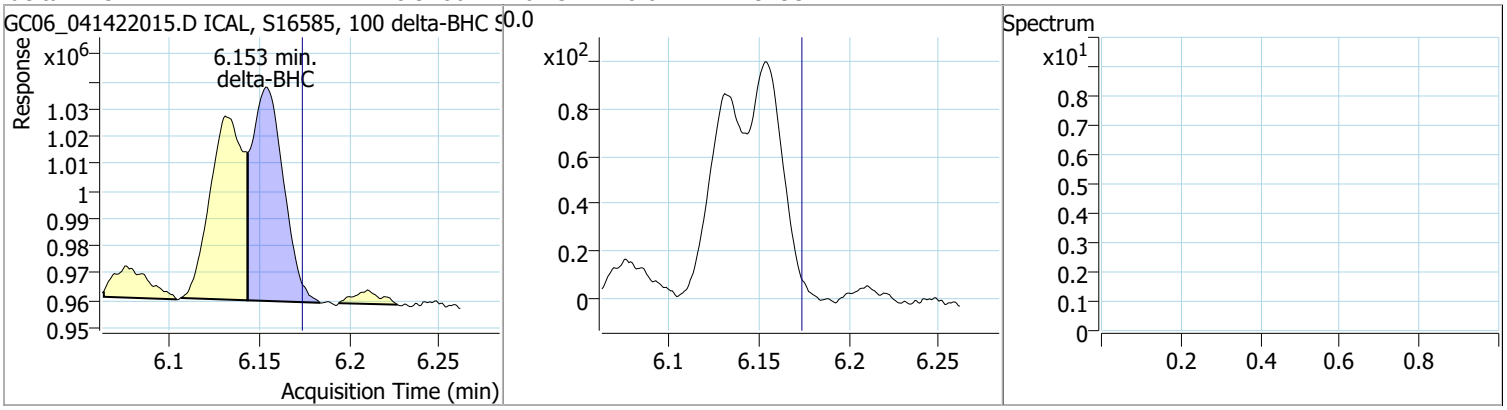
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	0.4441	5.94	0.03	76395			



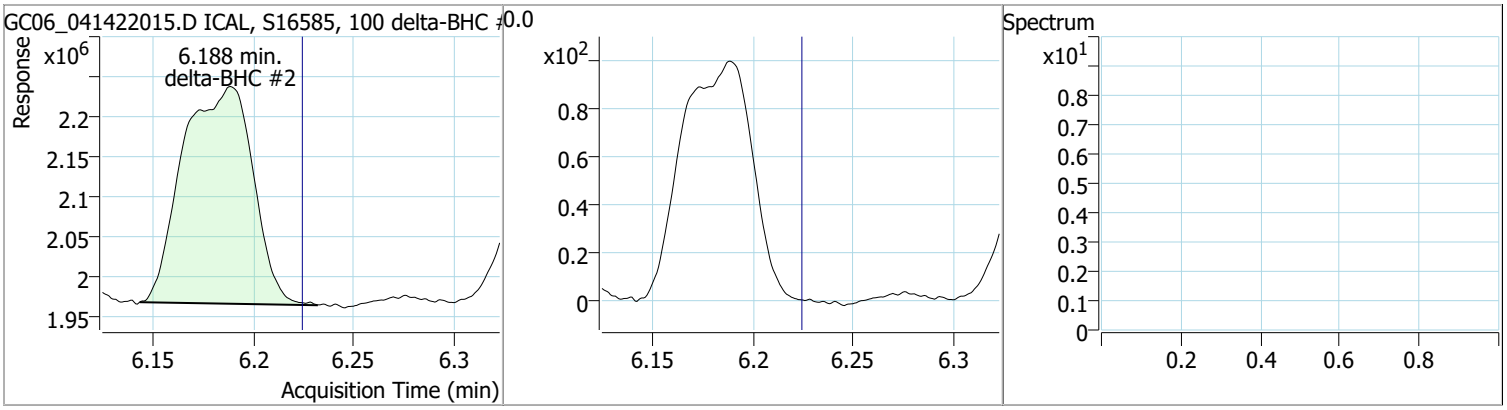
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	0.1387	5.99	0.04	6611			



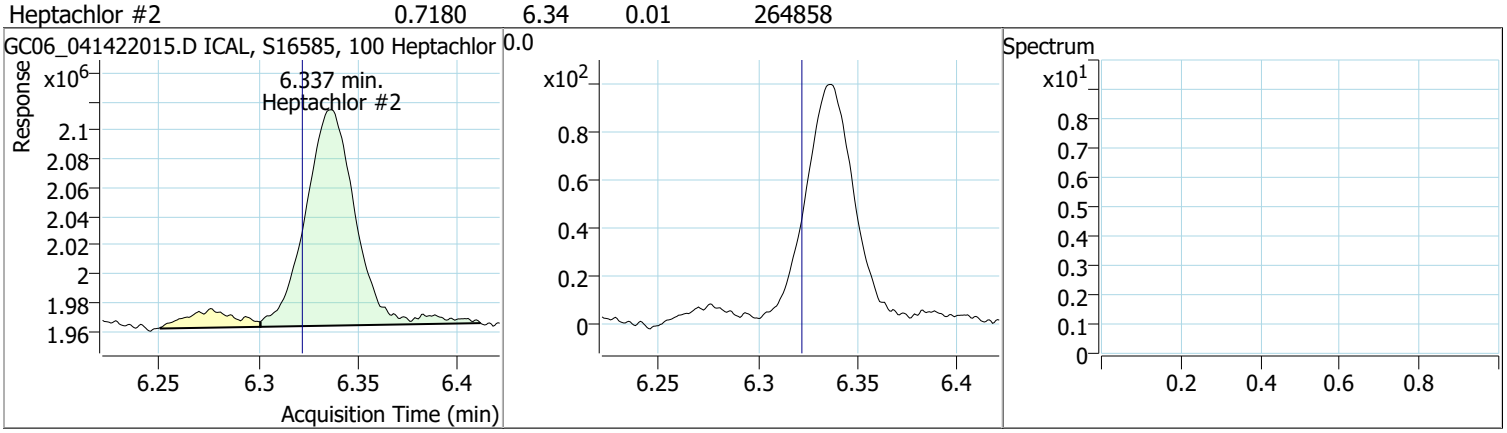
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	0.9406	6.15	0.01	94954			



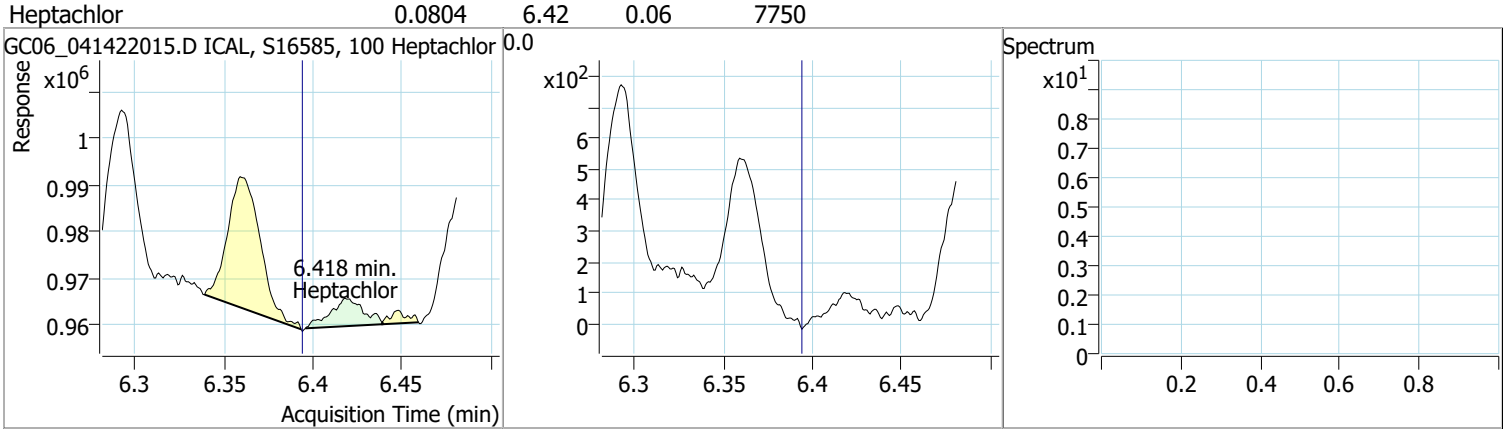
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	1.6364	6.19	-0.04	669432			



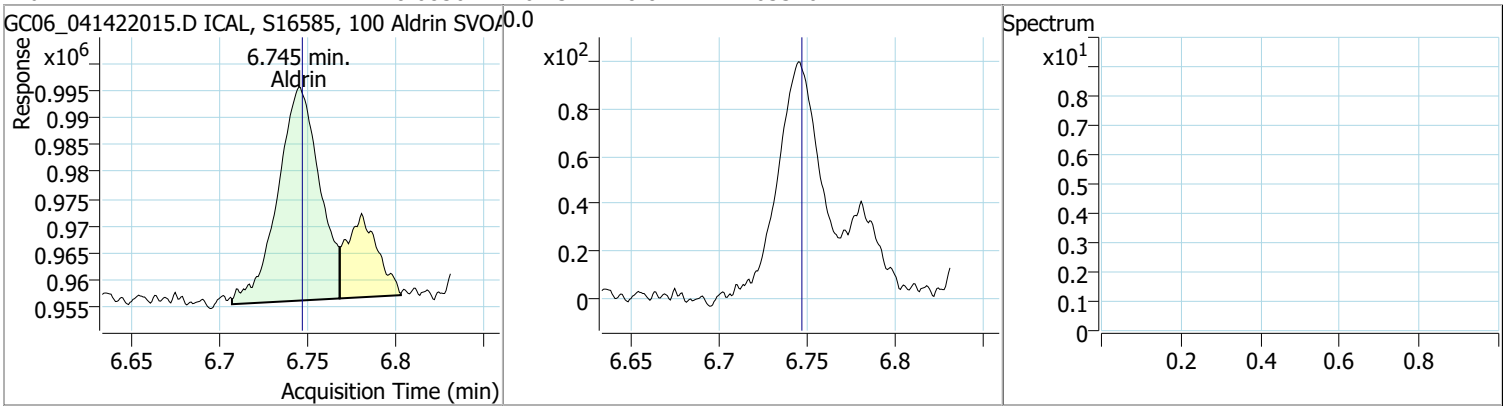
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	0.7180	6.34	0.01	264858			



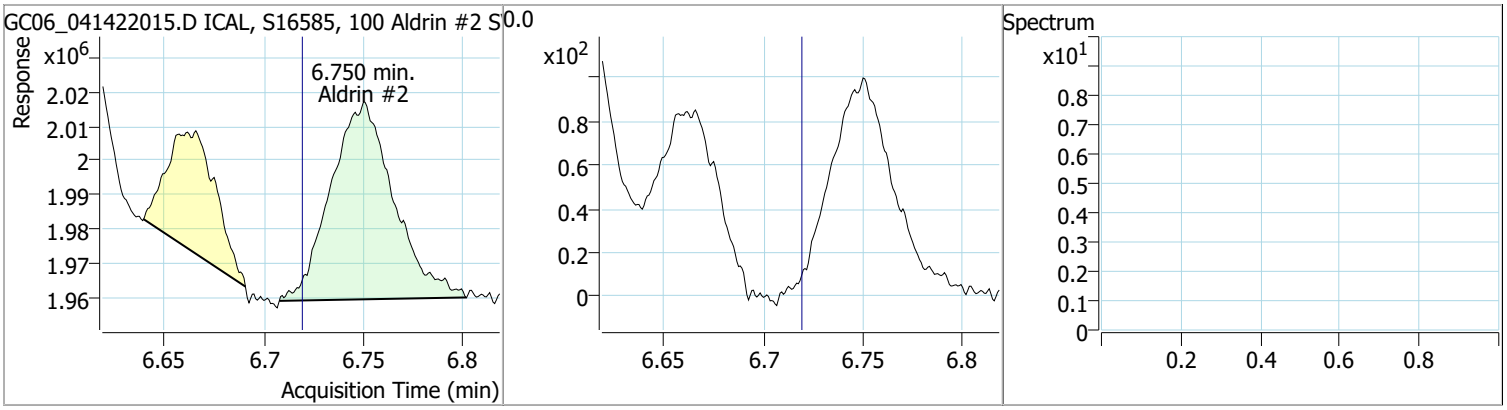
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	0.0804	6.42	0.06	7750			



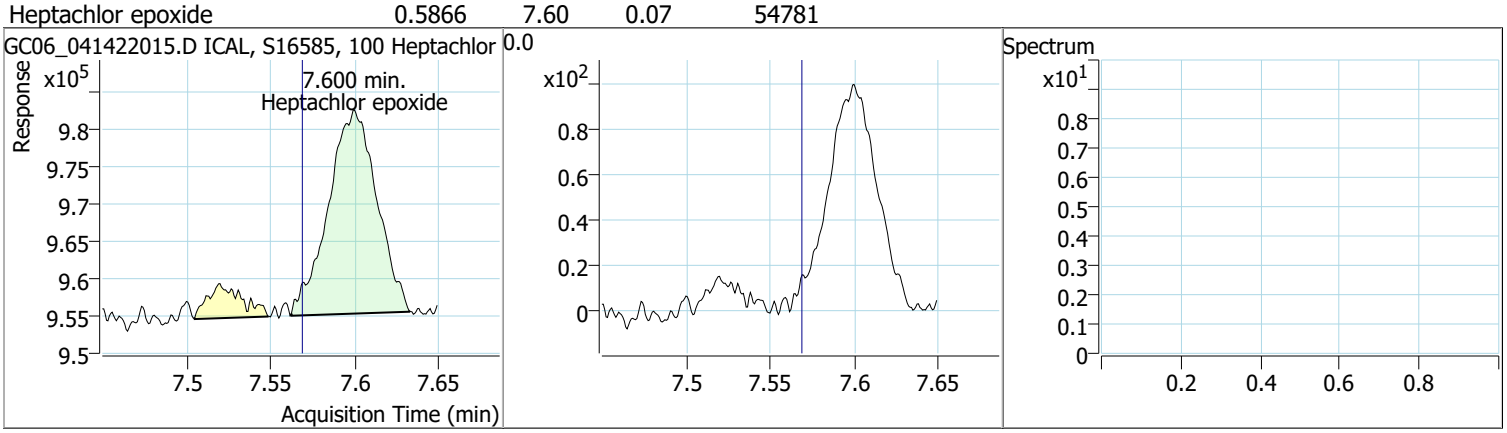
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	0.6856	6.75	0.04	65376			



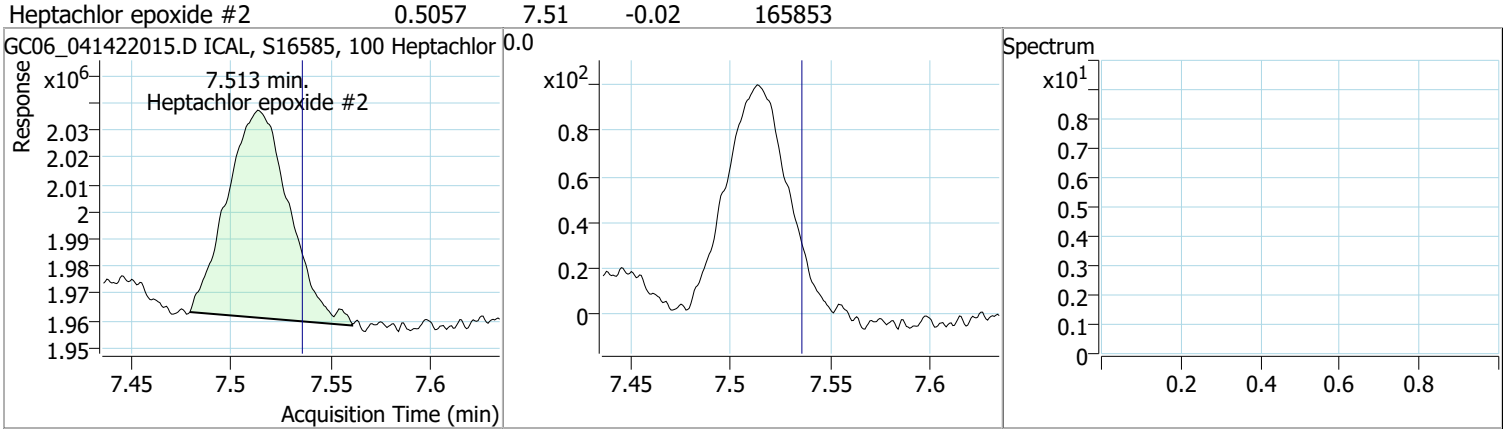
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	0.3529	6.75	0.03	127208			



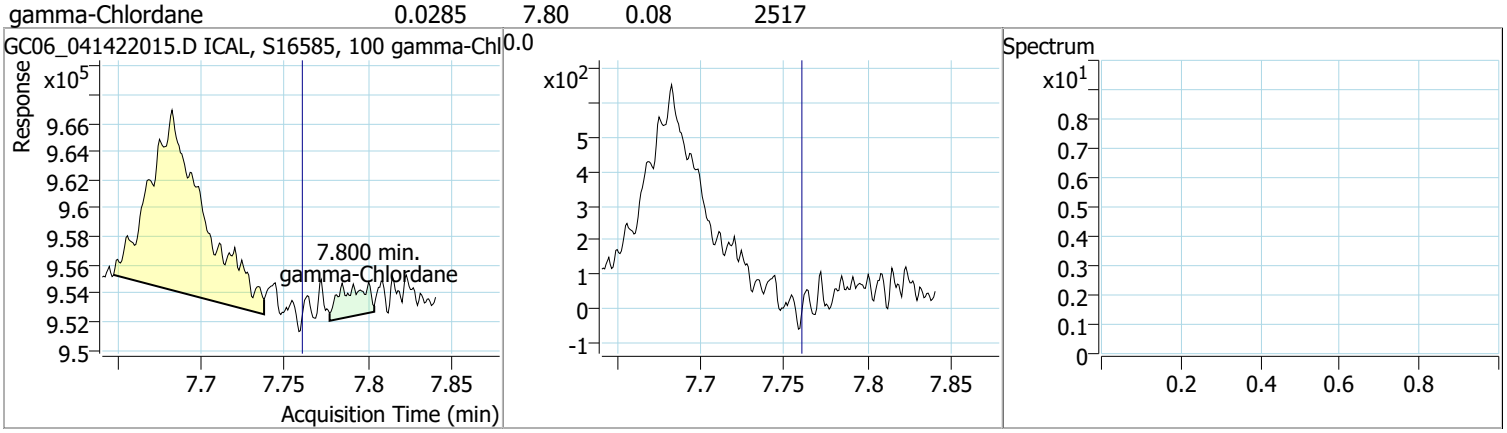
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	0.5866	7.60	0.07	54781			



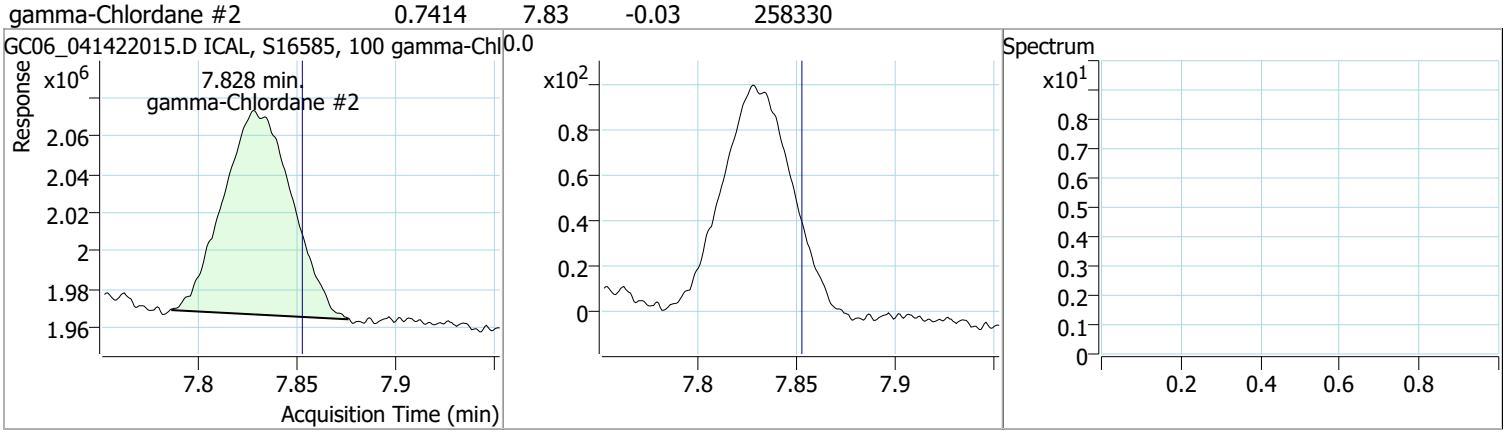
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	0.5057	7.51	-0.02	165853			



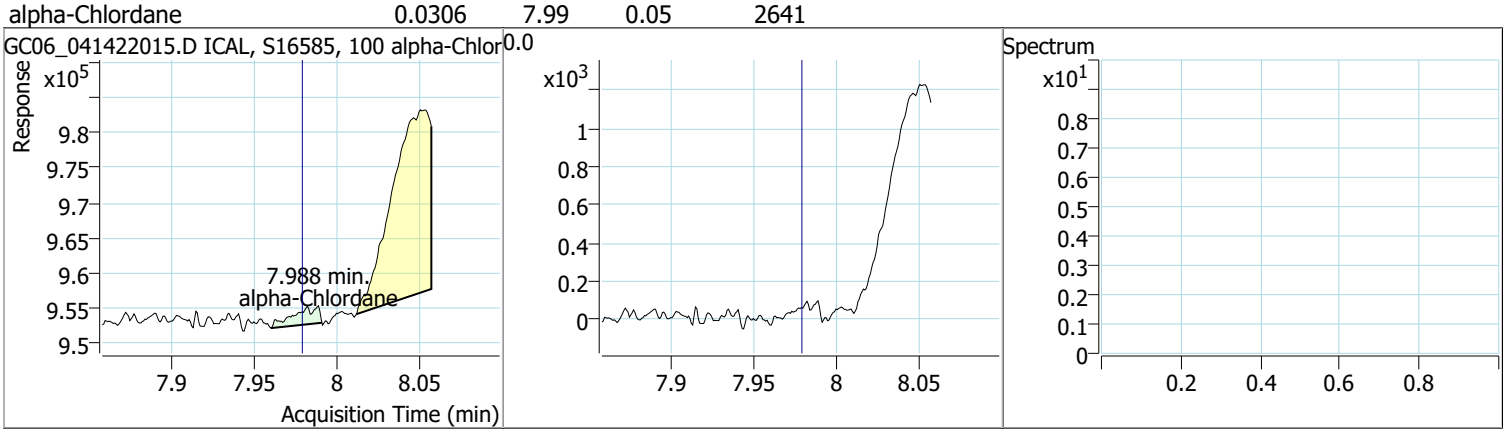
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0285	7.80	0.08	2517			



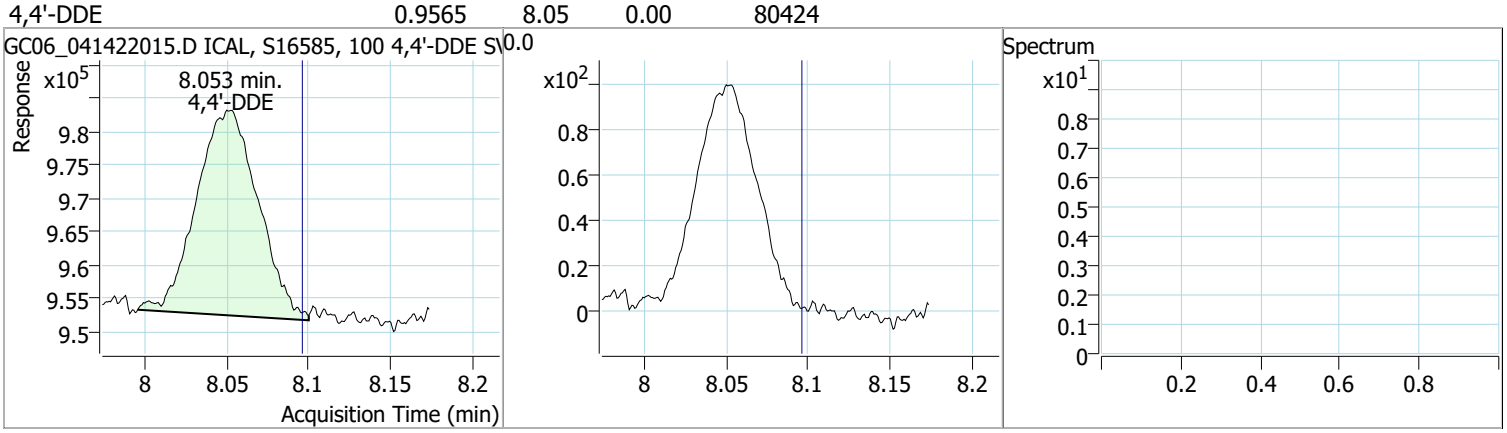
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	0.7414	7.83	-0.03	258330			



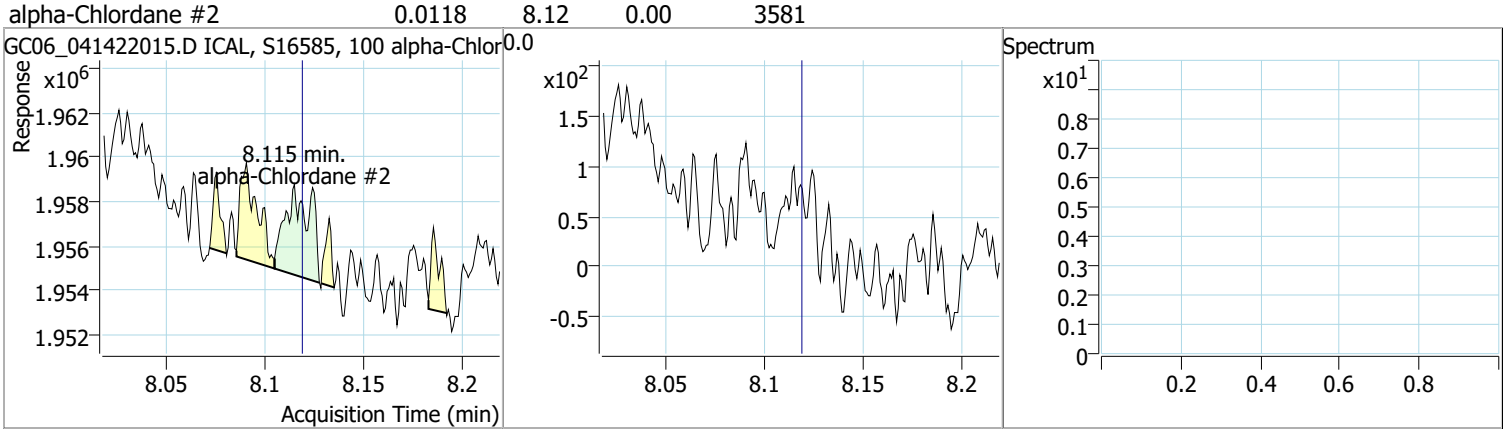
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	0.0306	7.99	0.05	2641			



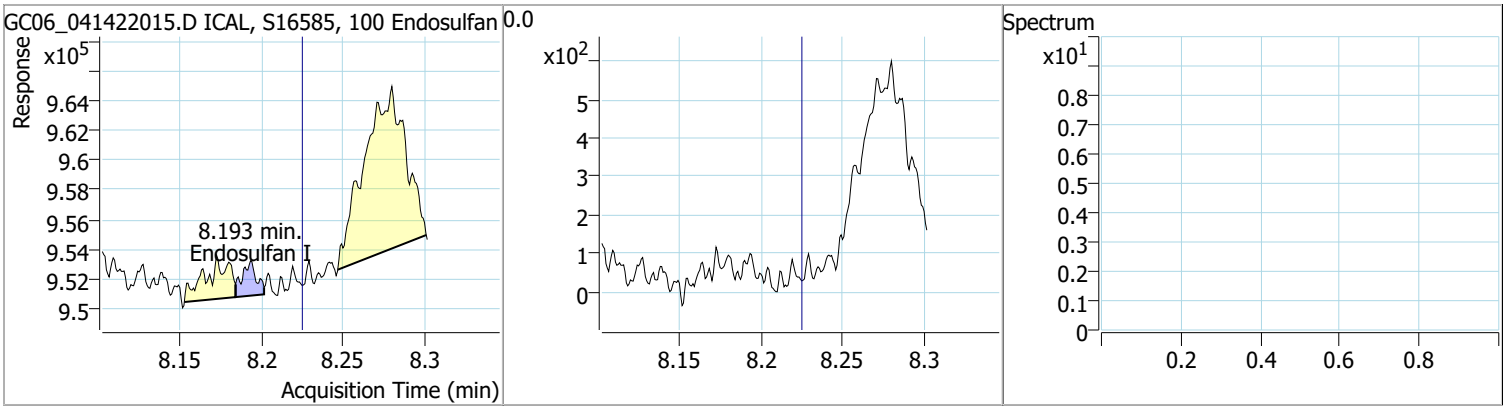
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	0.9565	8.05	0.00	80424			



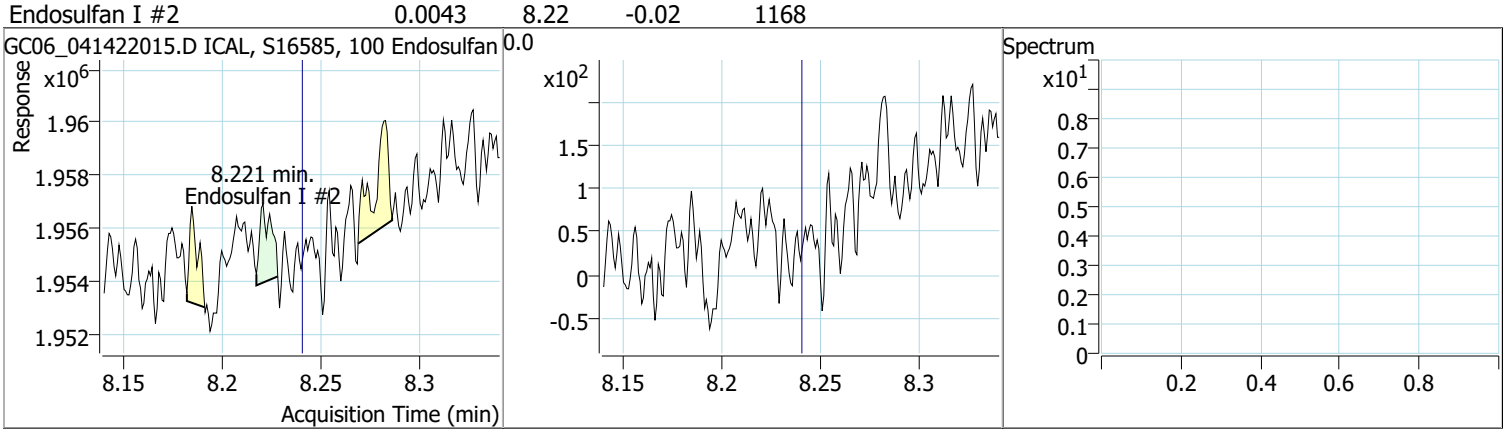
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0118	8.12	0.00	3581			



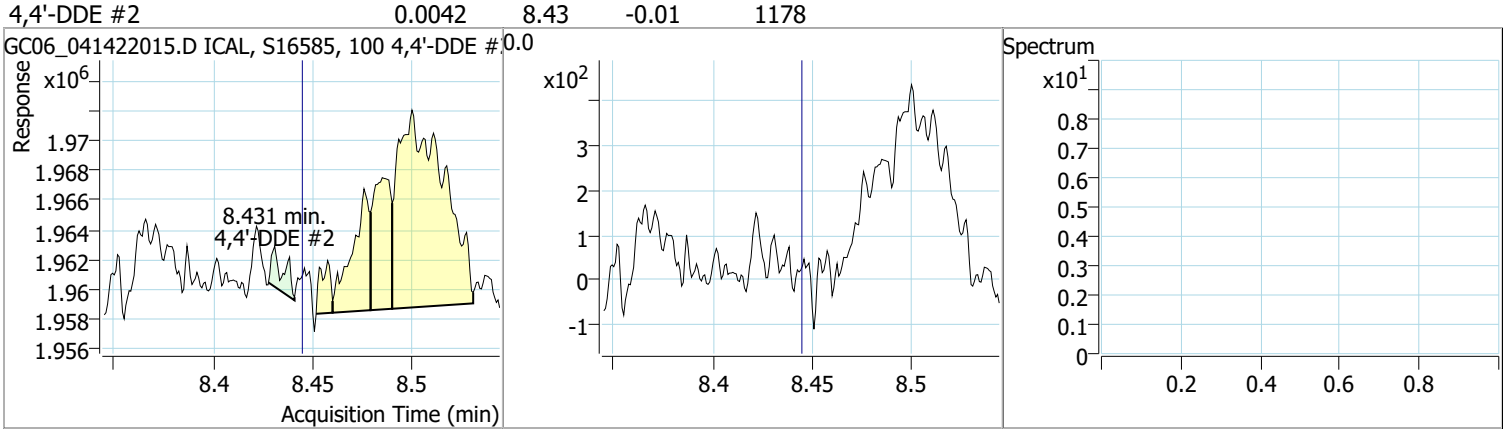
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	0.0184	8.19	0.01	1453			



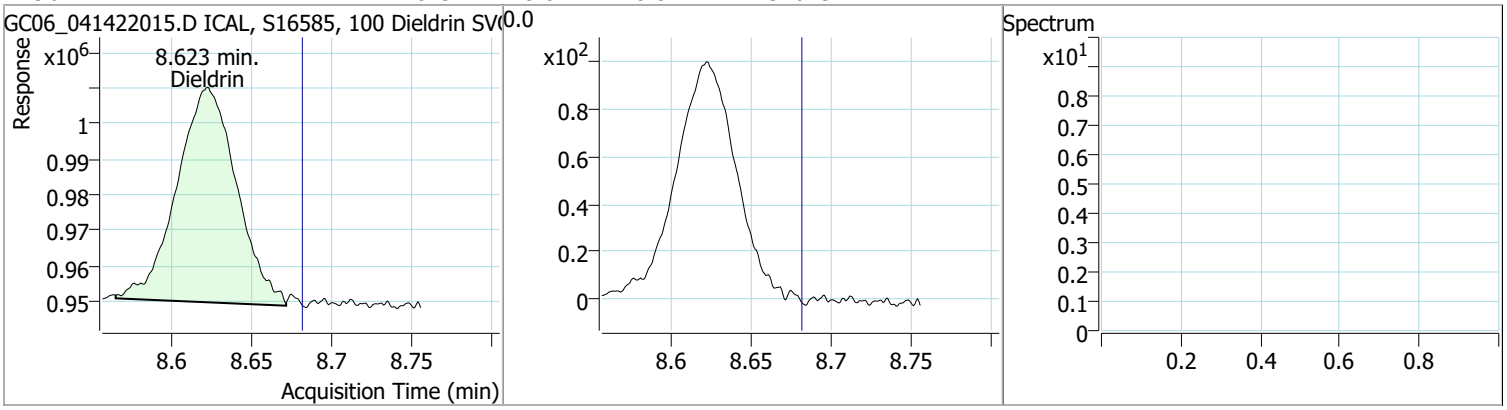
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.0043	8.22	-0.02	1168			



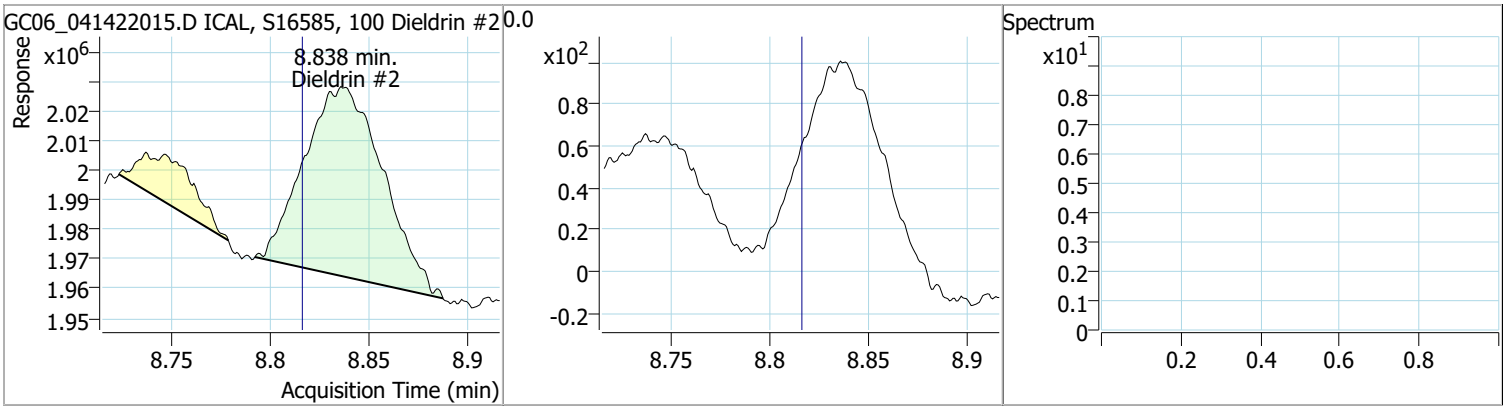
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	0.0042	8.43	-0.01	1178			



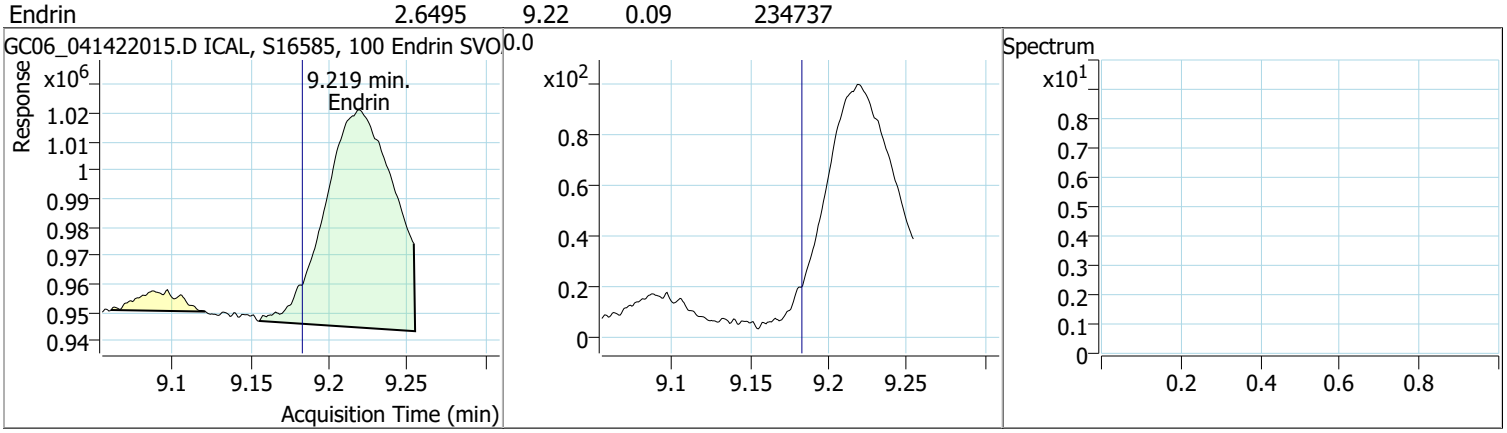
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	1.6791	8.62	-0.01	157673			



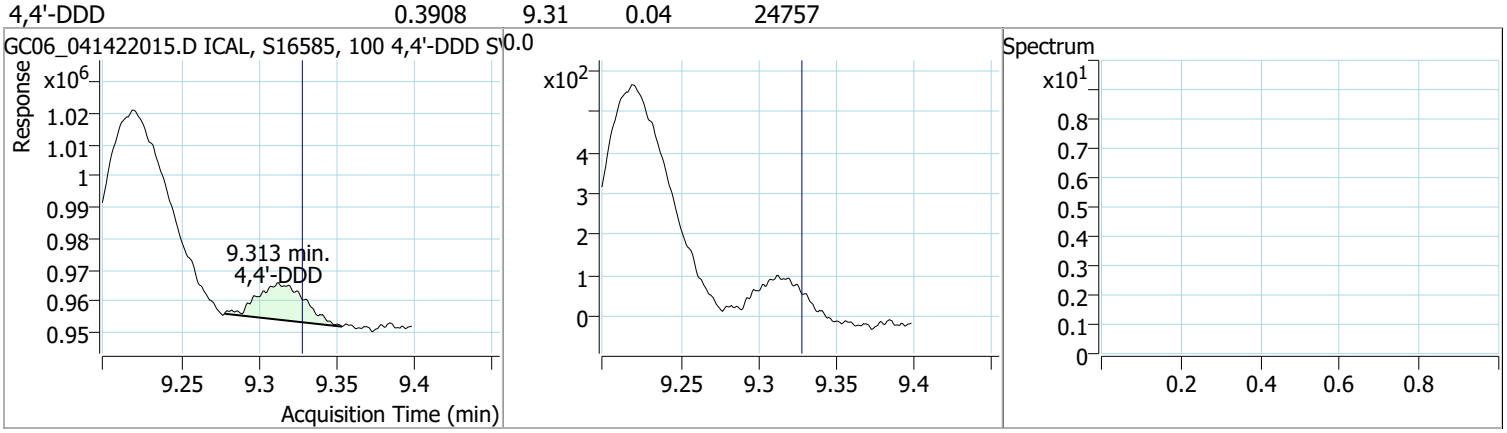
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	0.5745	8.84	0.02	177695			



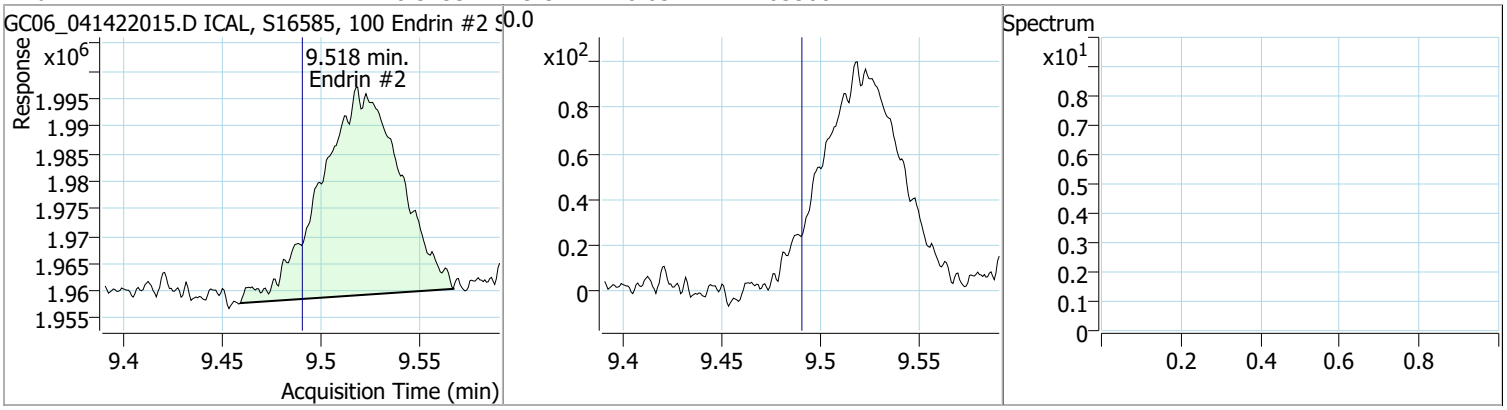
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	2.6495	9.22	0.09	234737			



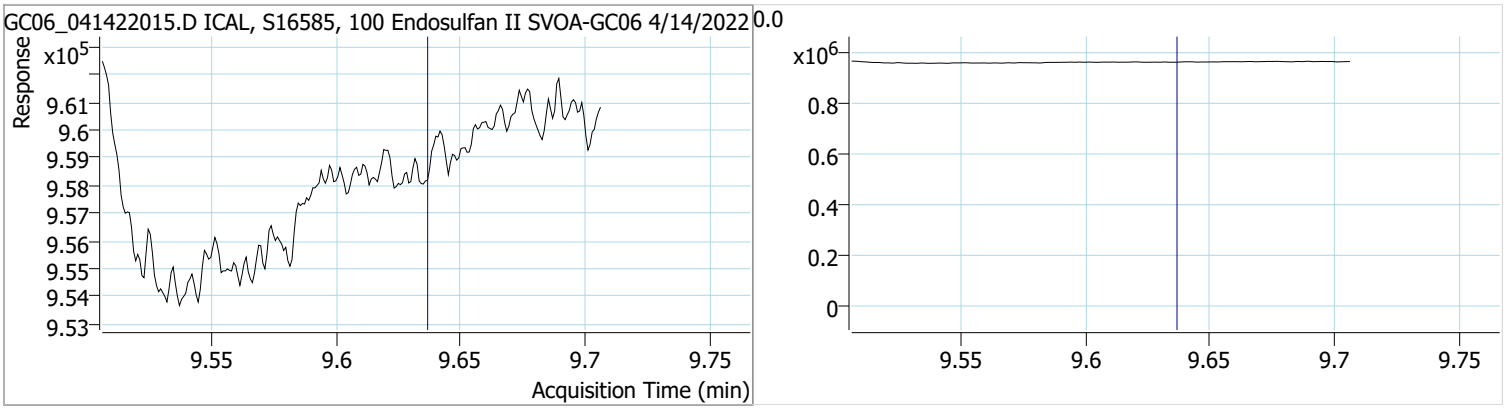
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	0.3908	9.31	0.04	24757			



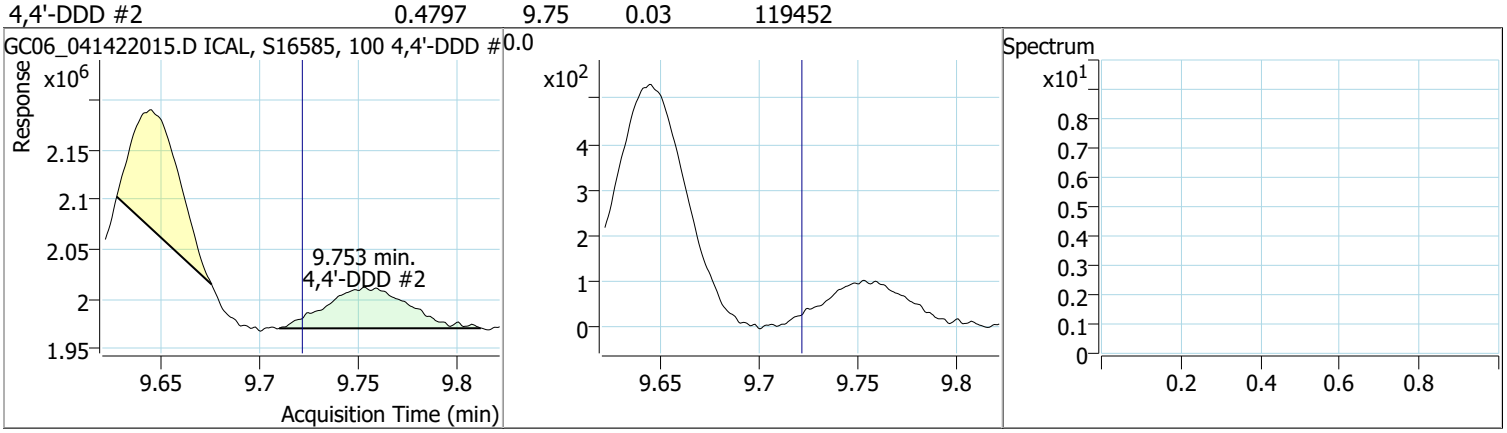
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endrin #2	0.3755	9.52	0.03	105500		



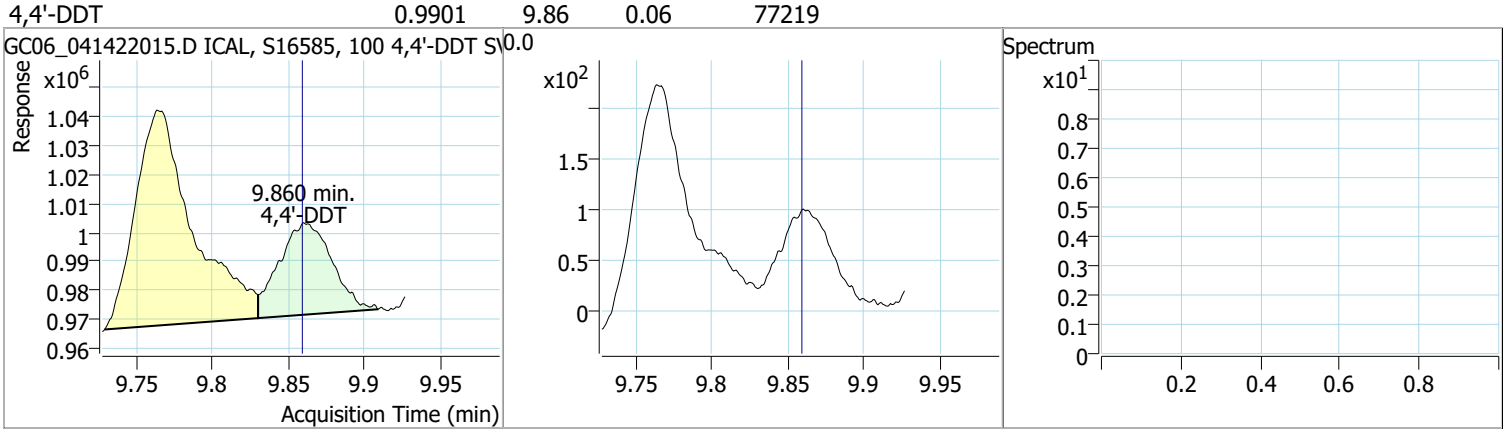
Compound	Conc.		Exp Ratio
Endosulfan II	N.D.	9.58	



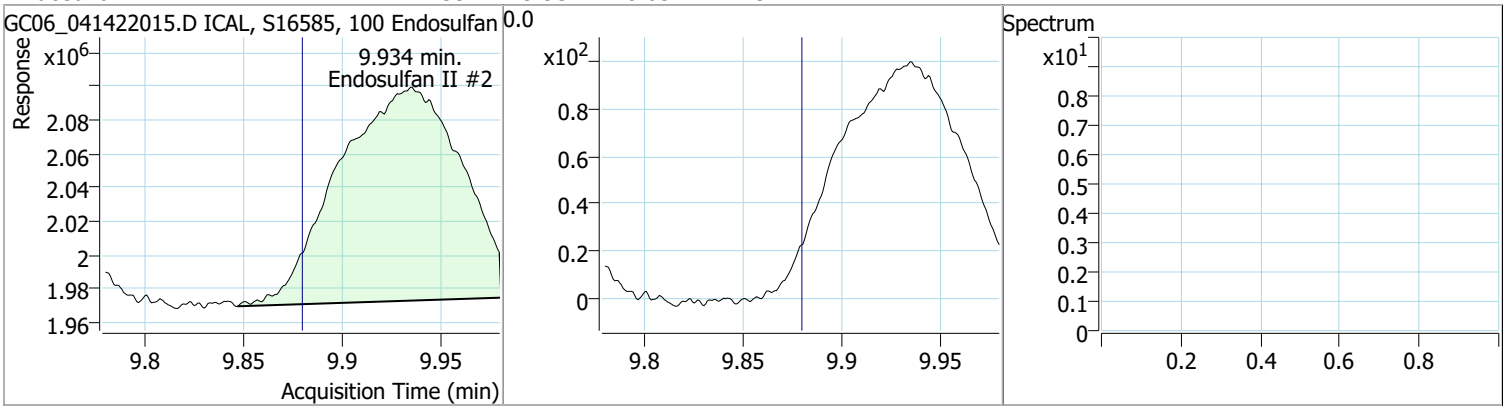
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	0.4797	9.75	0.03	119452		



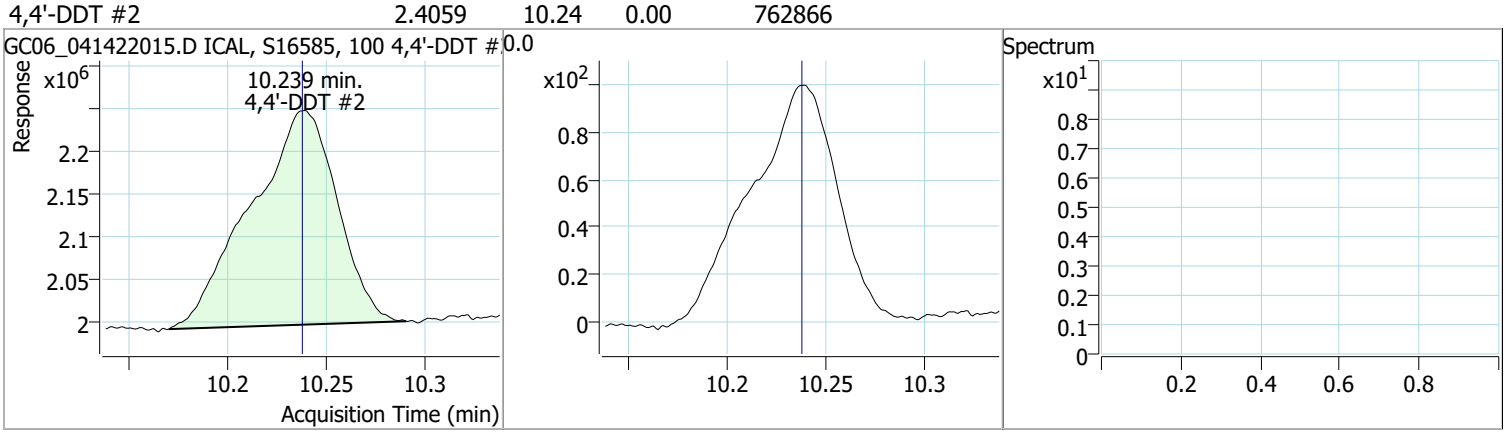
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	0.9901	9.86	0.06	77219		



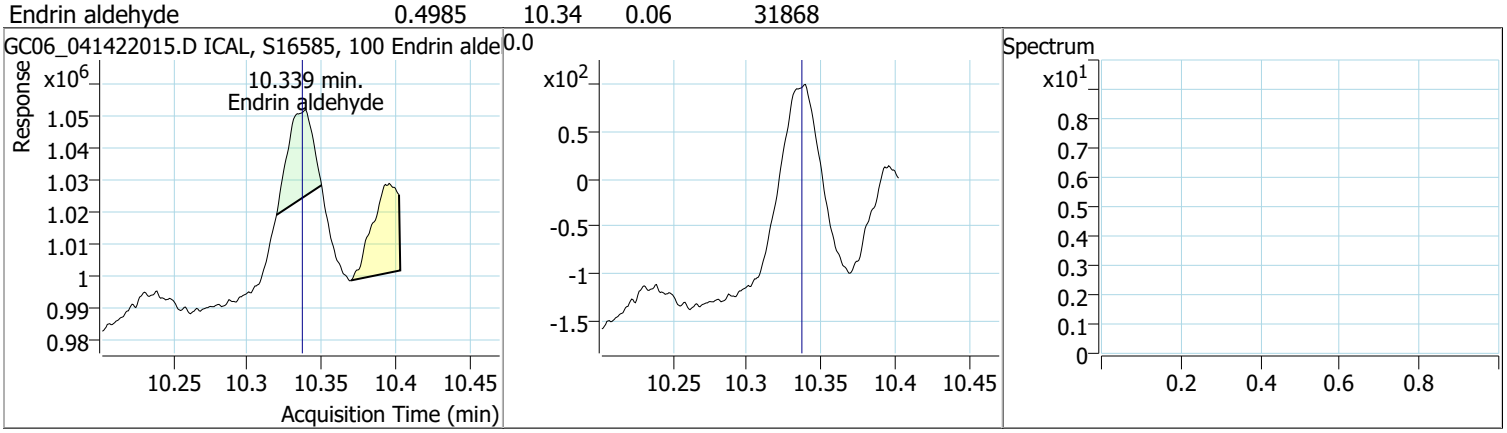
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	1.7435	9.93	0.05	542724			



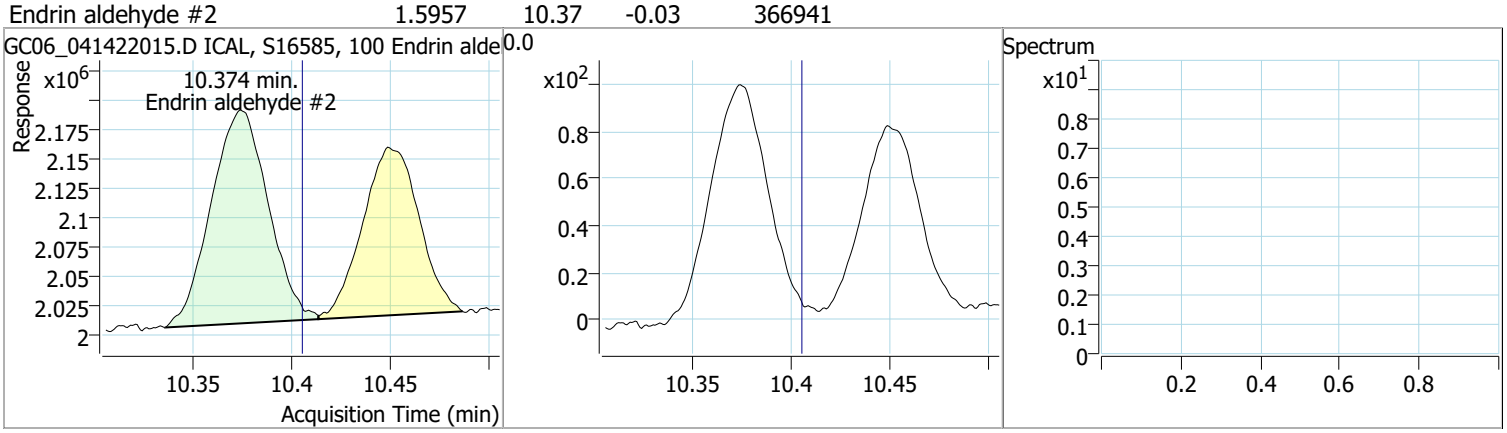
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	2.4059	10.24	0.00	762866			



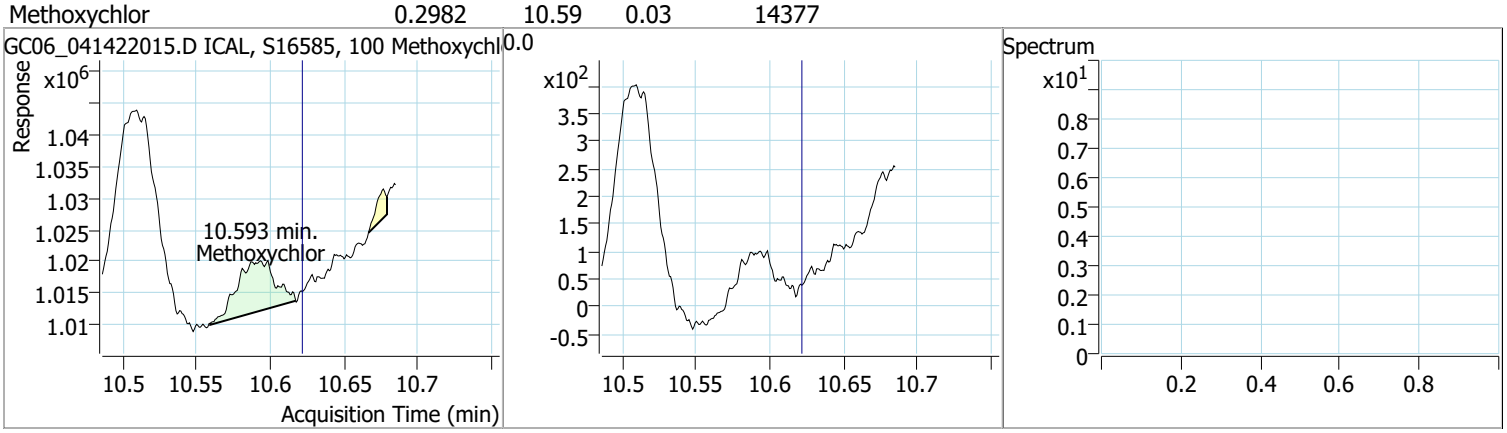
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	0.4985	10.34	0.06	31868			



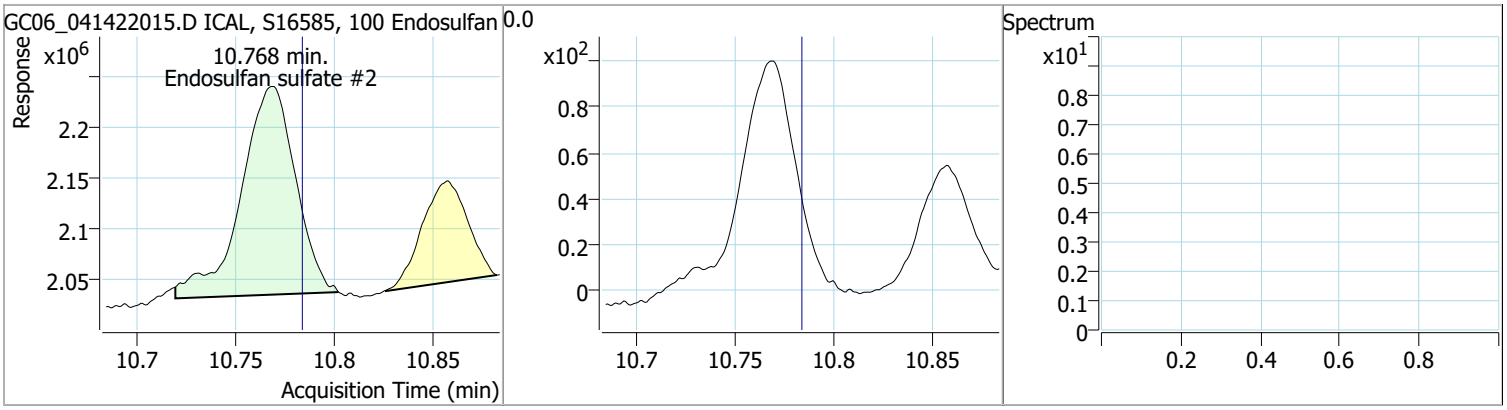
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	1.5957	10.37	-0.03	366941			



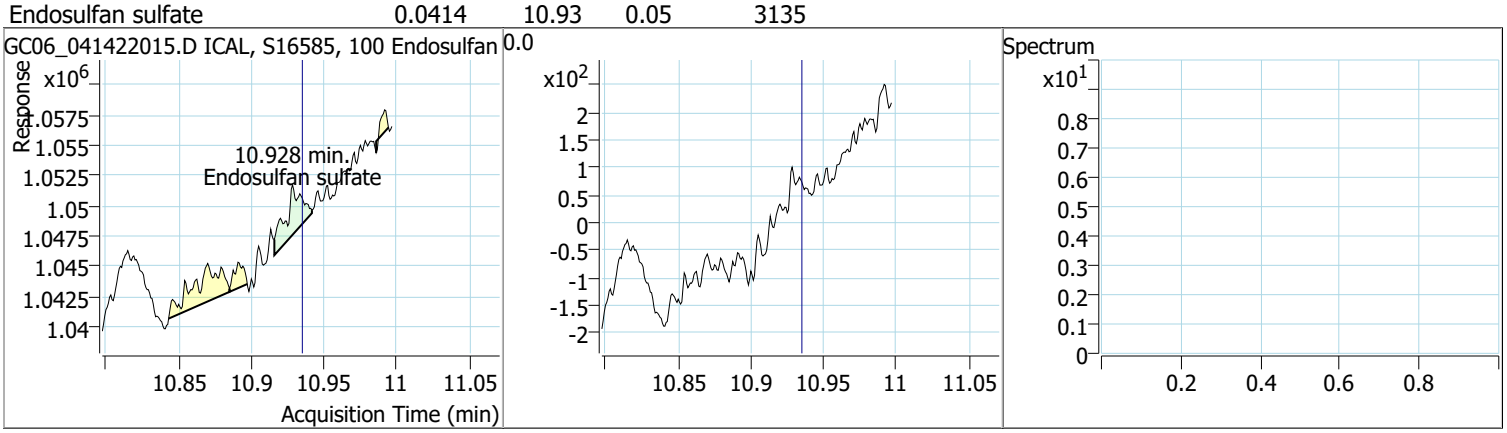
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	0.2982	10.59	0.03	14377			



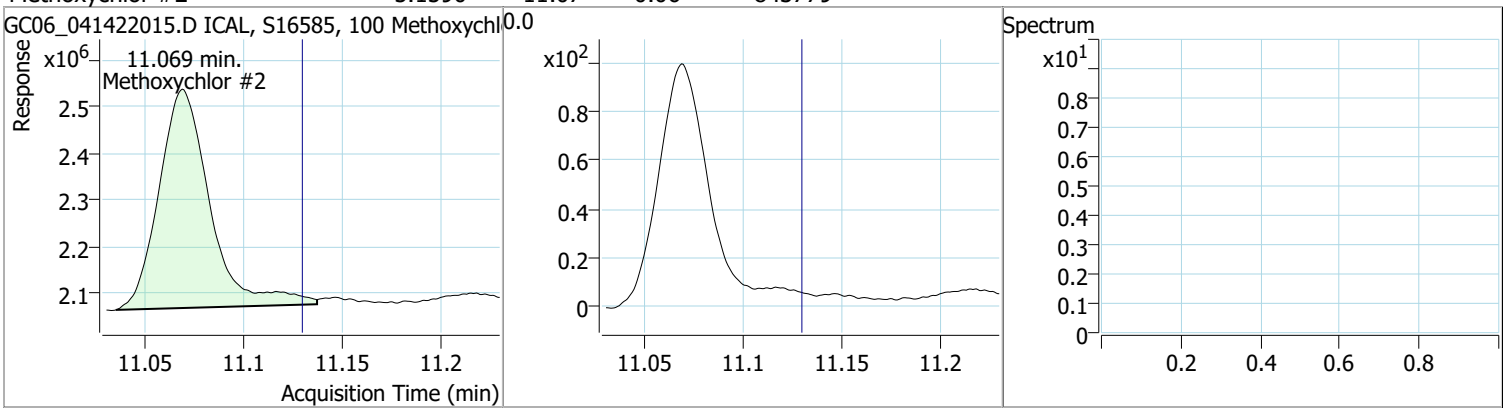
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	1.5080	10.77	-0.02	395804			



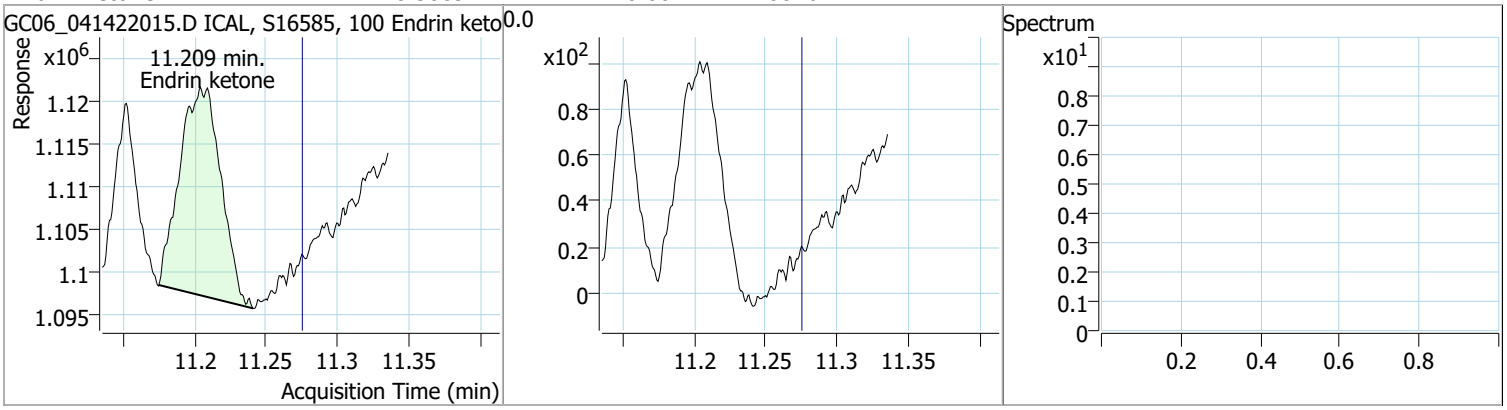
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	0.0414	10.93	0.05	3135			



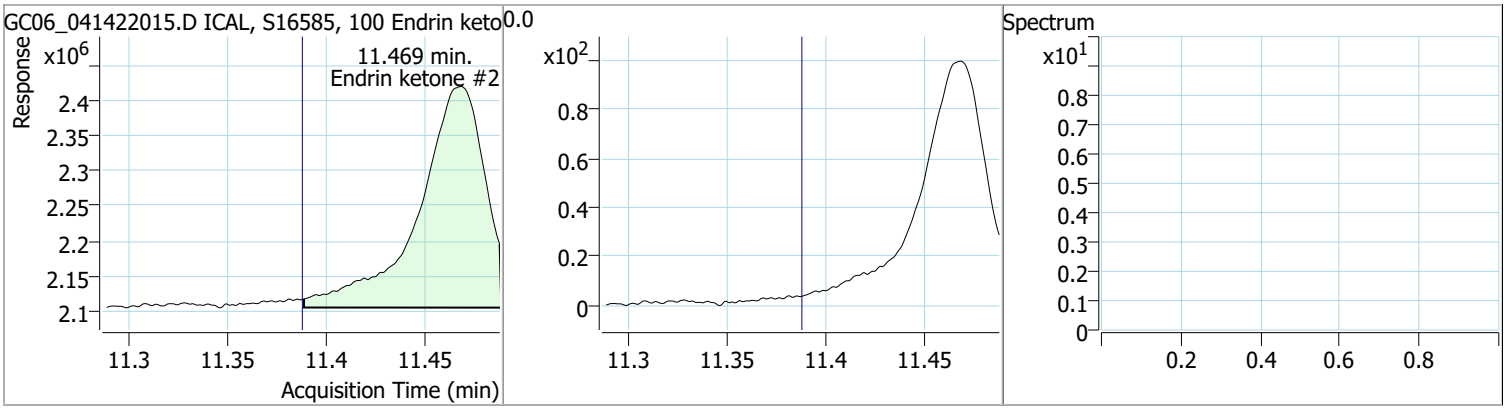
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	5.1590	11.07	-0.06	843779			



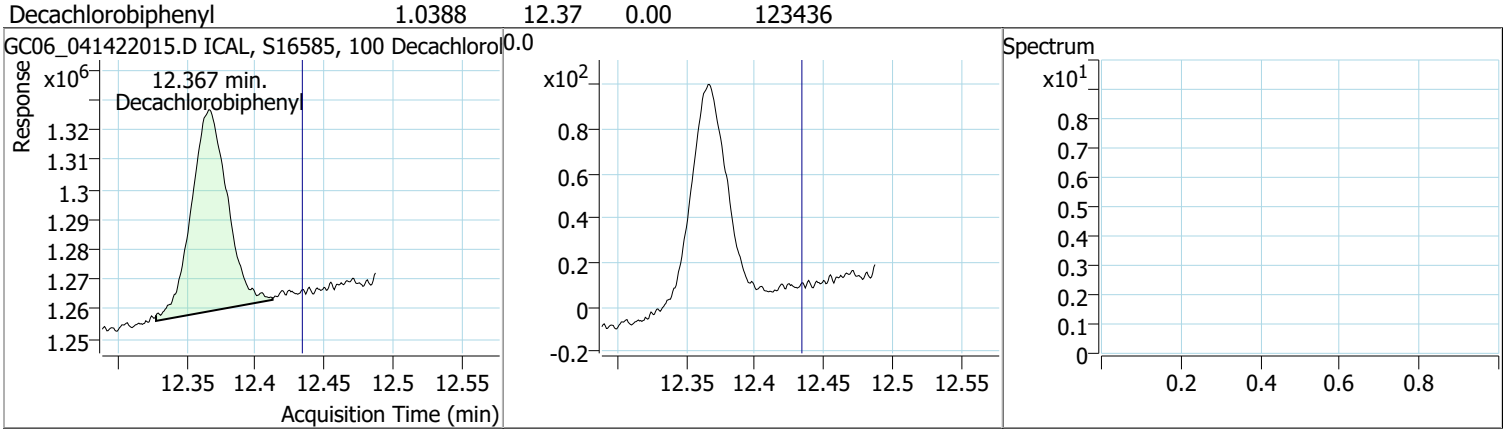
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	0.5089	11.21	0.00	48846			



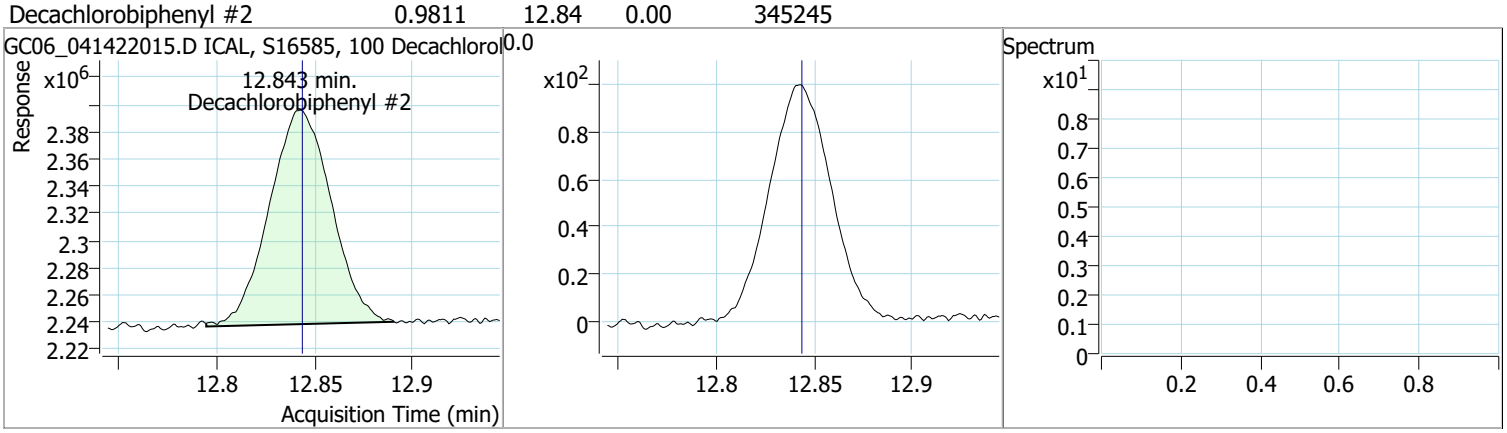
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	2.1658	11.47	0.08	729349			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	1.0388	12.37	0.00	123436			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	0.9811	12.84	0.00	345245			

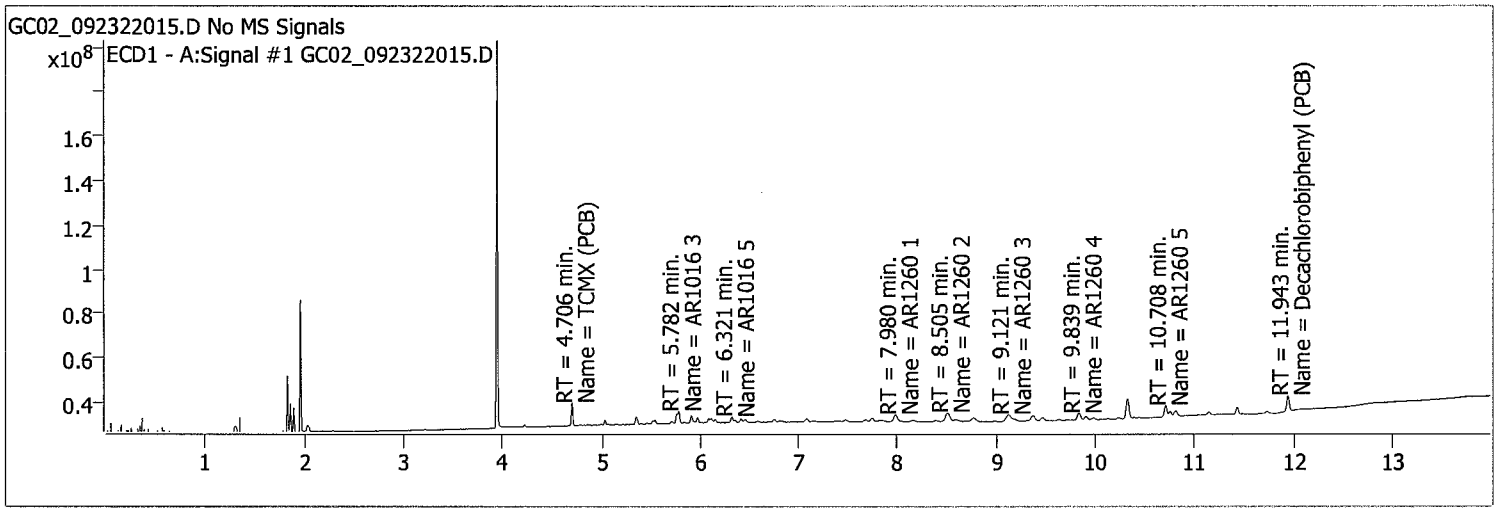


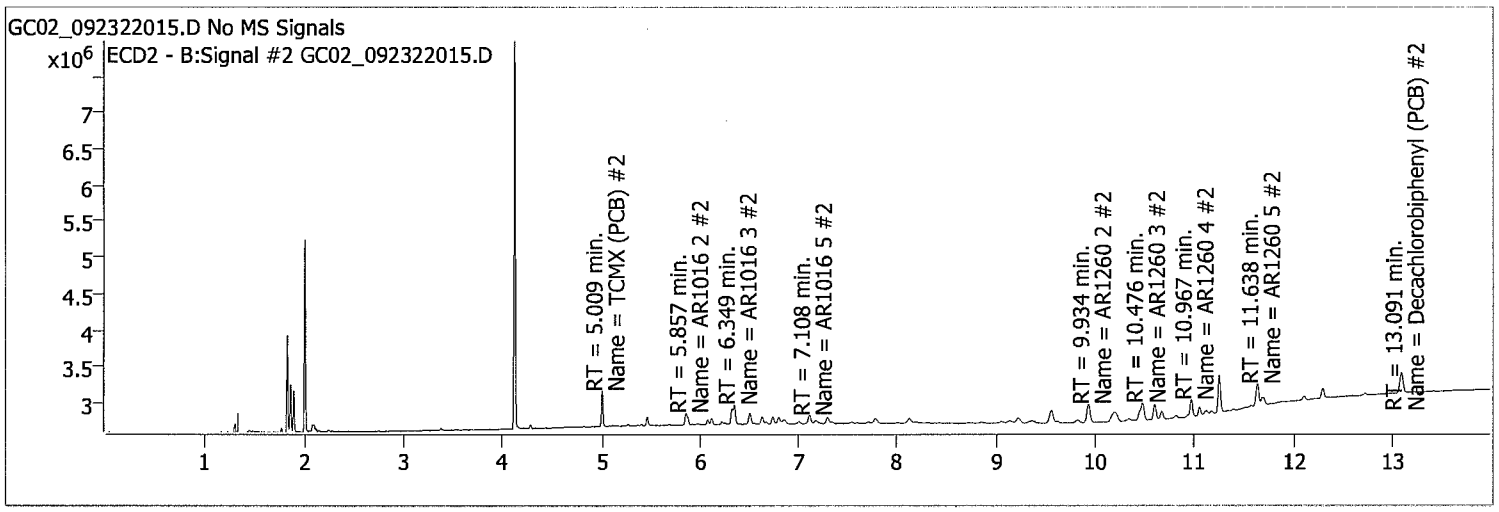
GC02 ICAL Low Point

Quantitation Results Report (Not Reviewed)

Agilent

Data File	GC02_092322015.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/23/2022 2:54:57 PM
Sample Name	ICAL, S17263	Instrument	SVOA-GC02
Vial	11	Multiplier	1.00
DA Method File	PCB_608_092322_GC02_1.m	Comment	PCB 20 PPB
Tune File	ATUNE.U	Tune Date	
Batch Name	092322PCB.batch.bin	Last Calib Update	9/26/2022 10:28:10 AM
Ref Library			





Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.946	0.0	149688452.475	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	5034792.541	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.706	0.0	10604495.681	1.4601	ng/ml	0.000
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~7.30%~~ ~~182.5%~~ 91.25% * DD 12/22/22		
S TCMX (PCB) #2	5.009	0.0	523788.690	2.0037	ng/ml	0.000
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~10.02%~~ 125.2% *		
S Decachlorobiphenyl (PCB)	11.943	0.0	12896274.907	1.4856	ng/ml	0.000
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~7.43%~~ 92.85% *		
S Decachlorobiphenyl (PCB) #2	13.091	0.0	667599.772	2.0527	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = ~~10.26%~~ 128.3% *		
Target Compounds						QValue
T AR1016 1	5.036	0.0	2419514.717	22.1762	ng/ml m	100

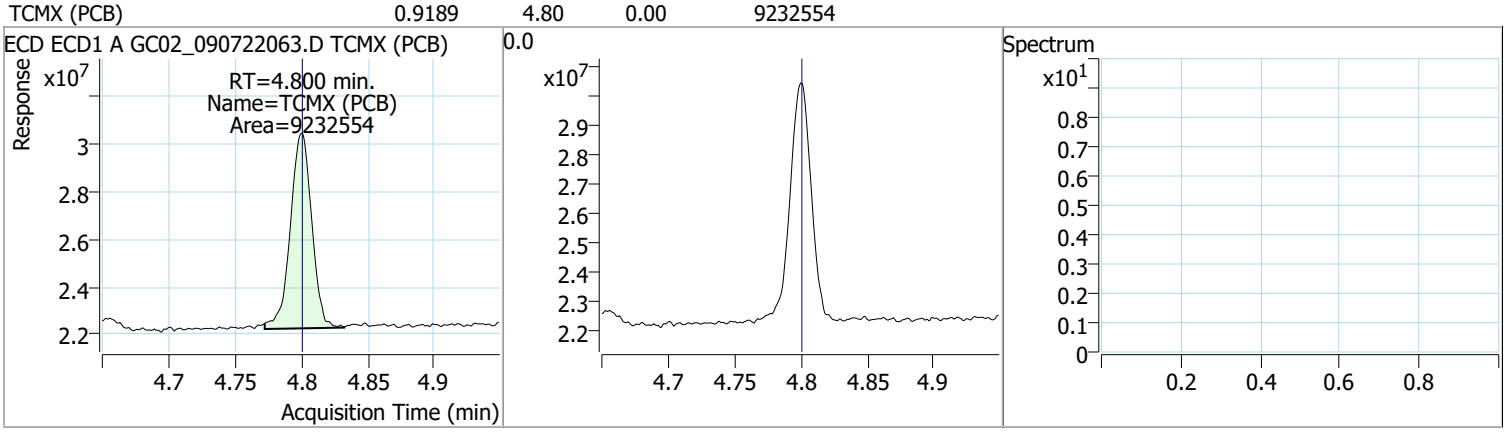
Spike = ~~0.8~~ 1.6 DD 12/22/22

DD 12/22/22

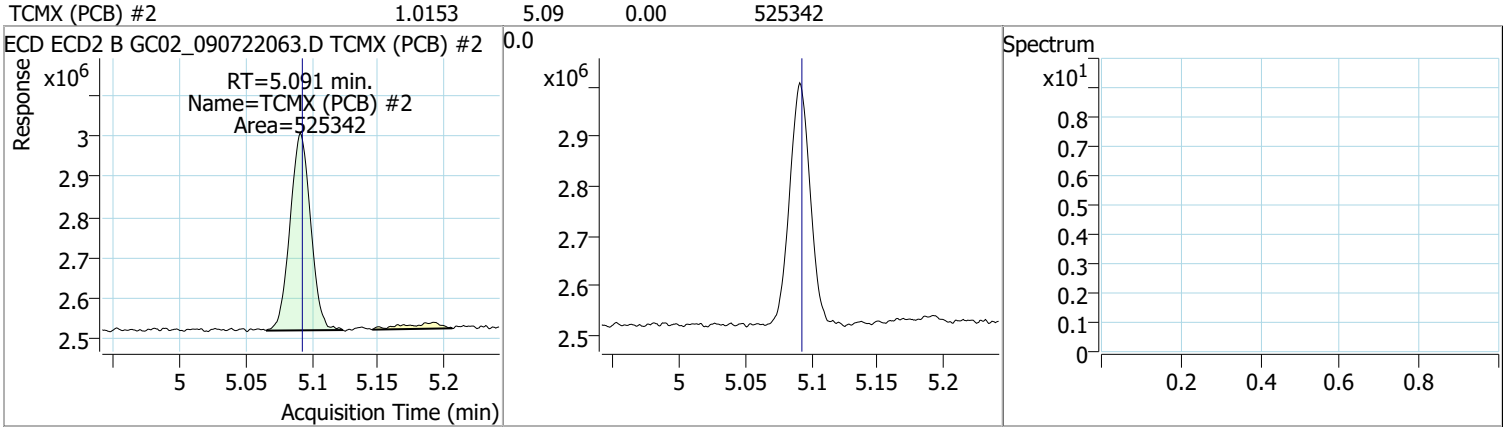
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.460	0.0	4530232.018	25.1242	ng/ml		100
T AR1016 1 #2	5.550	0.0	178429.723	28.3472	ng/ml		100
T AR1016 3	5.899	0.0	6263423.161	23.0488	ng/ml	m	100
T AR1016 2 #2	5.955	0.0	338843.773	26.6621	ng/ml		100
T AR1016 4	6.024	0.0	4024297.710	25.1515	ng/ml		100
T AR1016 5	6.455	0.0	3931659.609	26.6799	ng/ml		100
T AR1016 3 #2	6.457	0.0	411877.164	26.7319	ng/ml	m	100
T AR1016 4 #2	6.615	0.0	343495.849	29.8938	ng/ml		100
T AR1016 5 #2	7.249	0.0	259880.501	26.5366	ng/ml		100
T AR1260 1	8.197	0.0	7036403.428	24.7285	ng/ml		100
T AR1260 2	8.740	0.0	10906092.020	25.0741	ng/ml		100
T AR1260 3	9.370	0.0	12161160.203	59.5072	ng/ml		100
T AR1260 1 #2	9.722	0.0	520587.227	26.0923	ng/ml	m	100
T AR1260 4	10.026	0.0	6618092.388	22.6110	ng/ml		100
T AR1260 2 #2	10.078	0.0	606355.740	26.9733	ng/ml		100
T AR1260 3 #2	10.596	0.0	688678.951	25.7573	ng/ml		100
T AR1260 5	10.857	0.0	9072409.900	23.7038	ng/ml		100
T AR1260 4 #2	11.080	0.0	579975.533	37.6598	ng/ml		100
T AR1260 5 #2	11.746	0.0	657858.718	28.8674	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

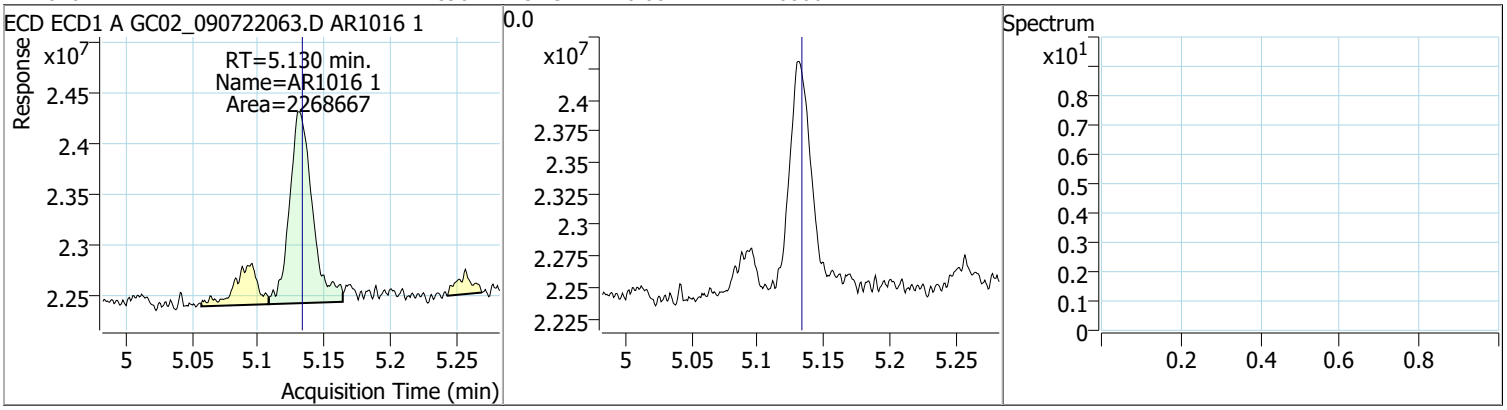
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	0.9189	4.80	0.00	9232554				



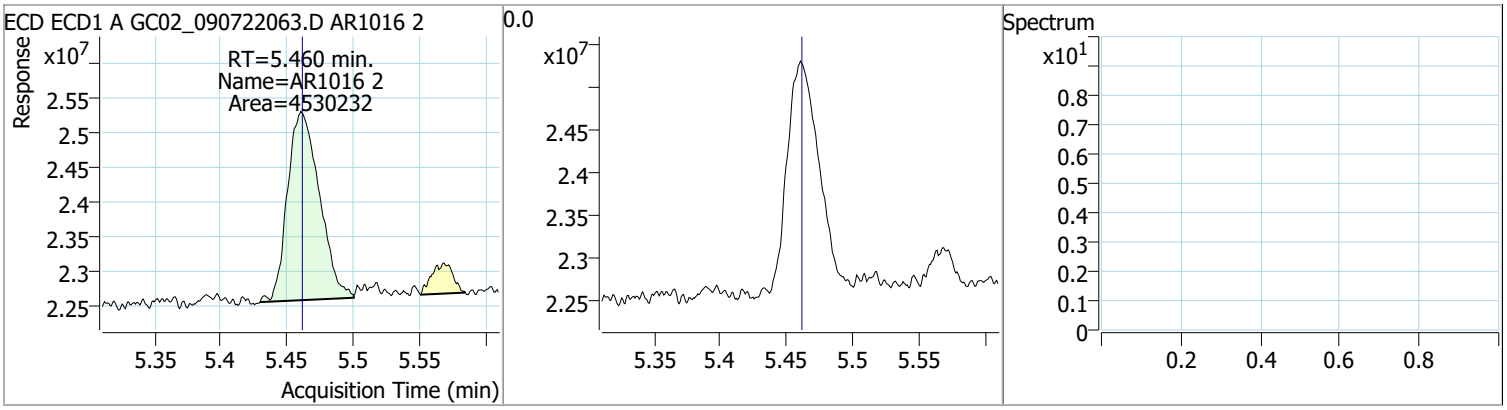
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.0153	5.09	0.00	525342				



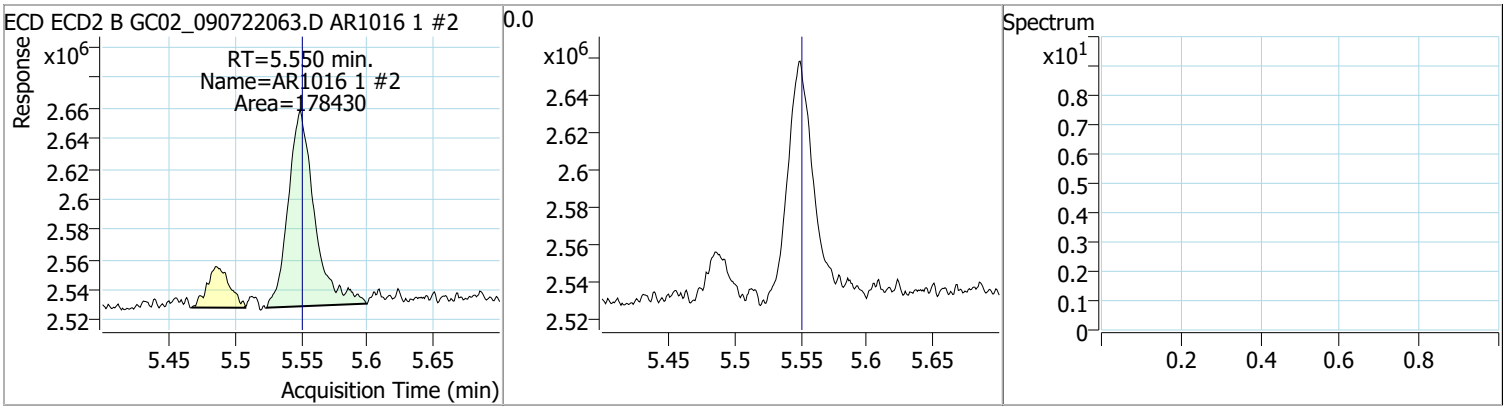
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	24.2890	5.13	0.00	2268667				



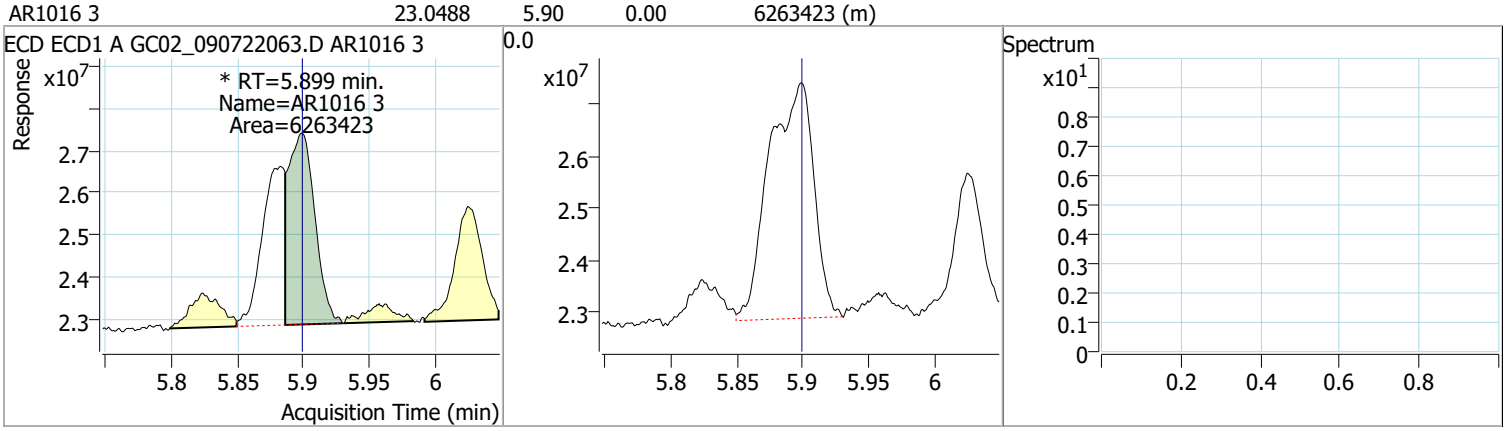
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	25.1242	5.46	0.00	4530232				



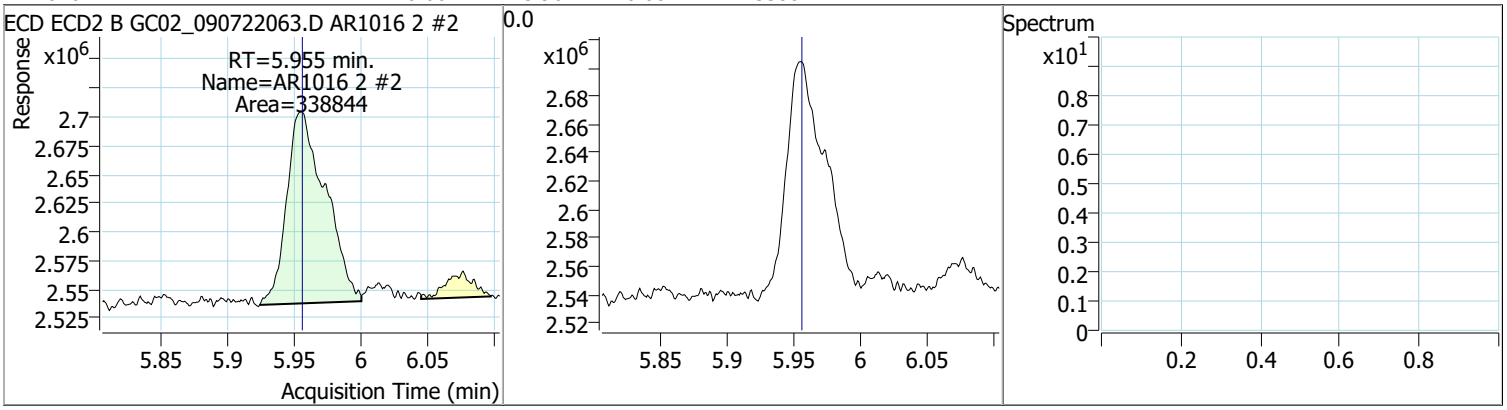
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	28.3472	5.55	0.00	178430				



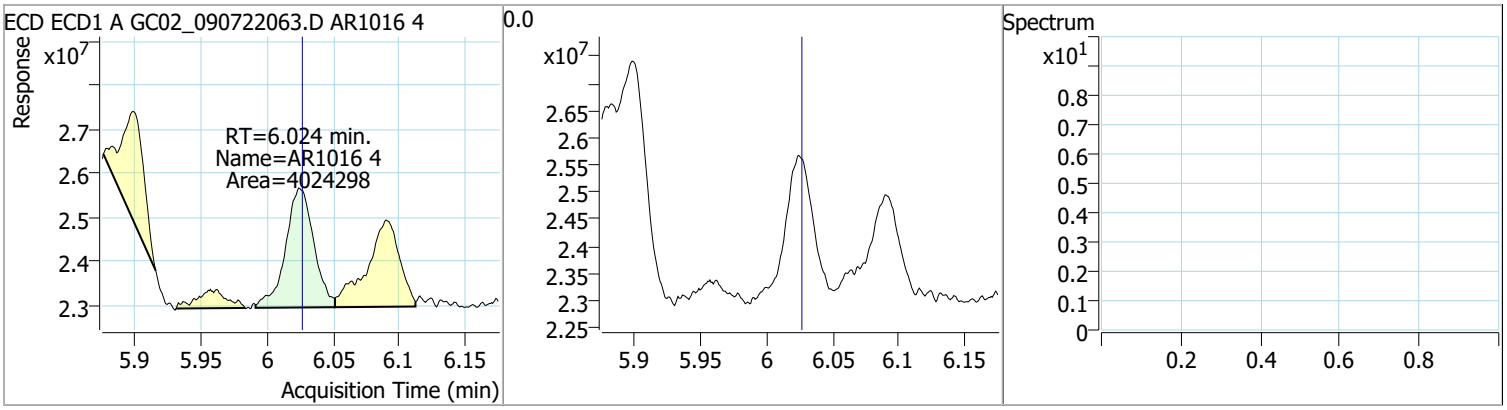
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	23.0488	5.90	0.00	6263423 (m)				



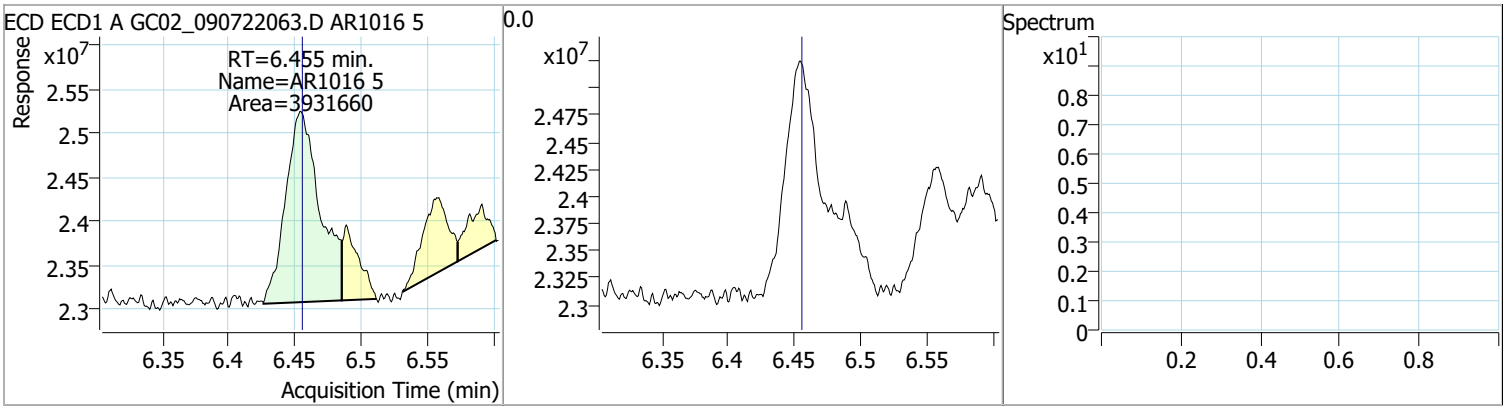
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	26.6621	5.96	0.00	338844				



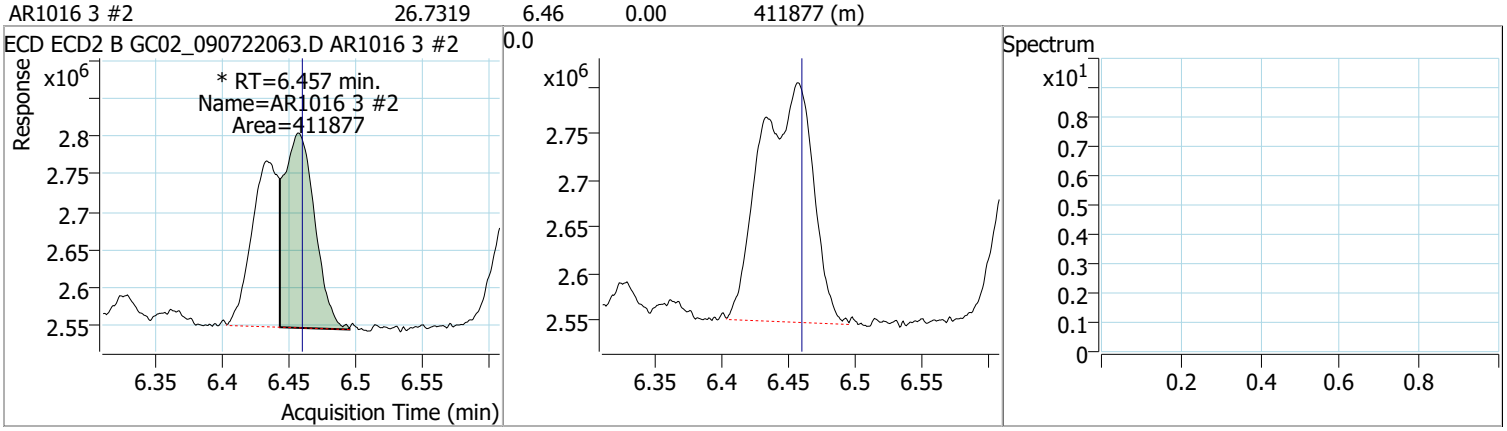
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	25.1515	6.02	0.00	4024298				



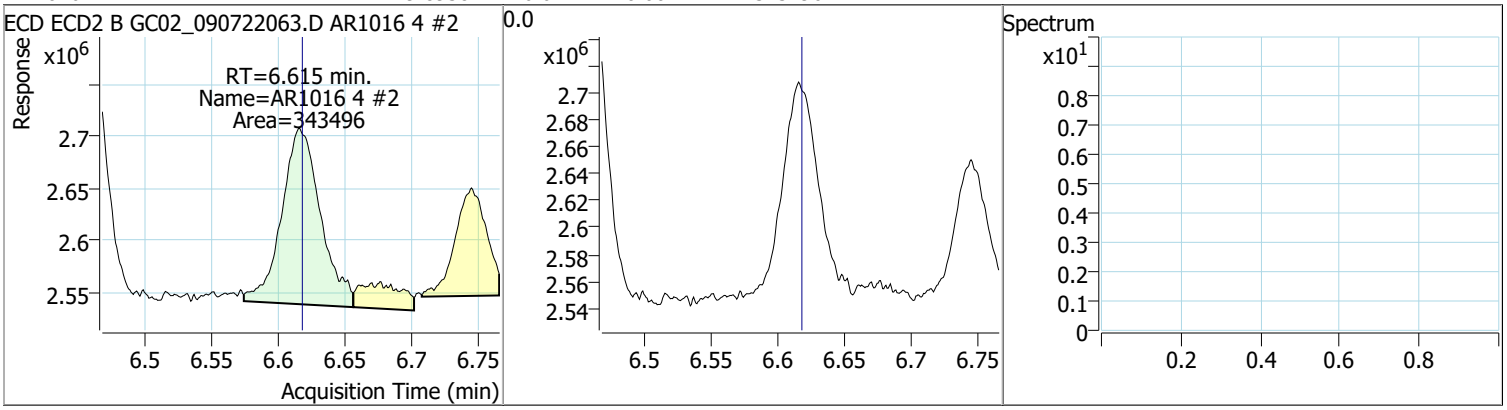
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	26.6799	6.45	0.00	3931660				



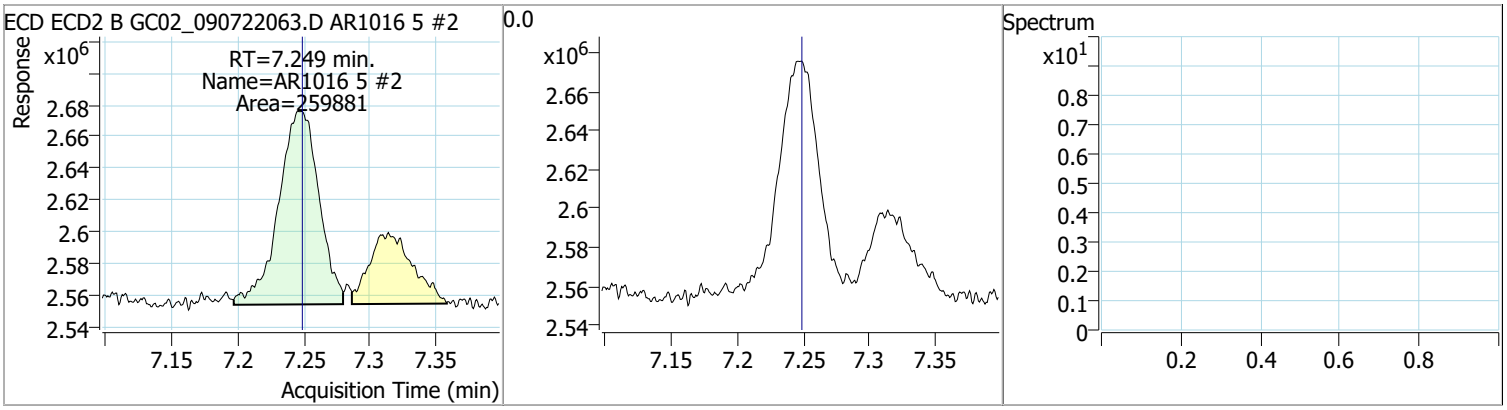
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	26.7319	6.46	0.00	411877 (m)				



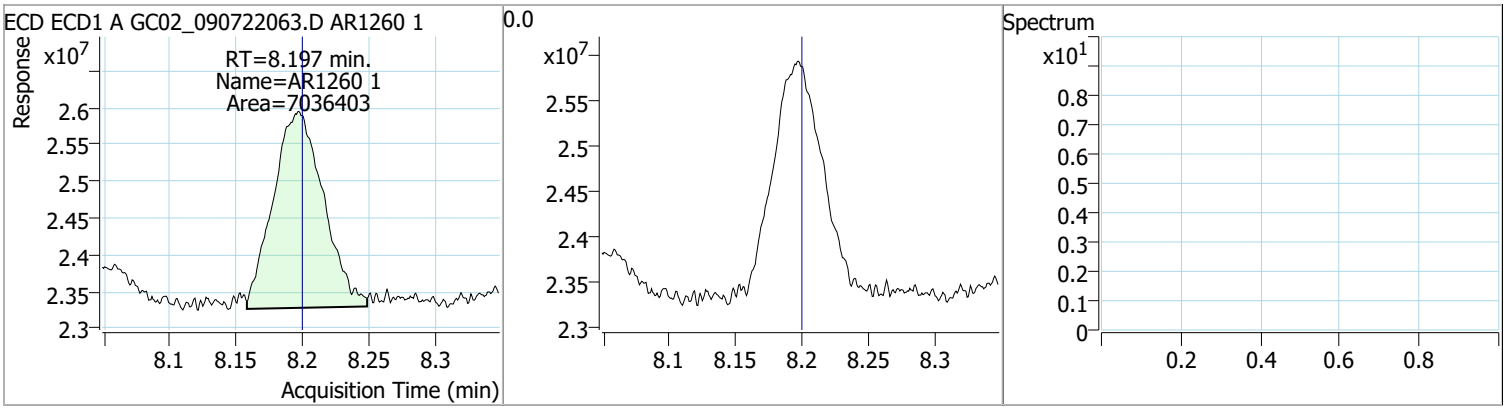
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	29.8938	6.62	0.00	343496				



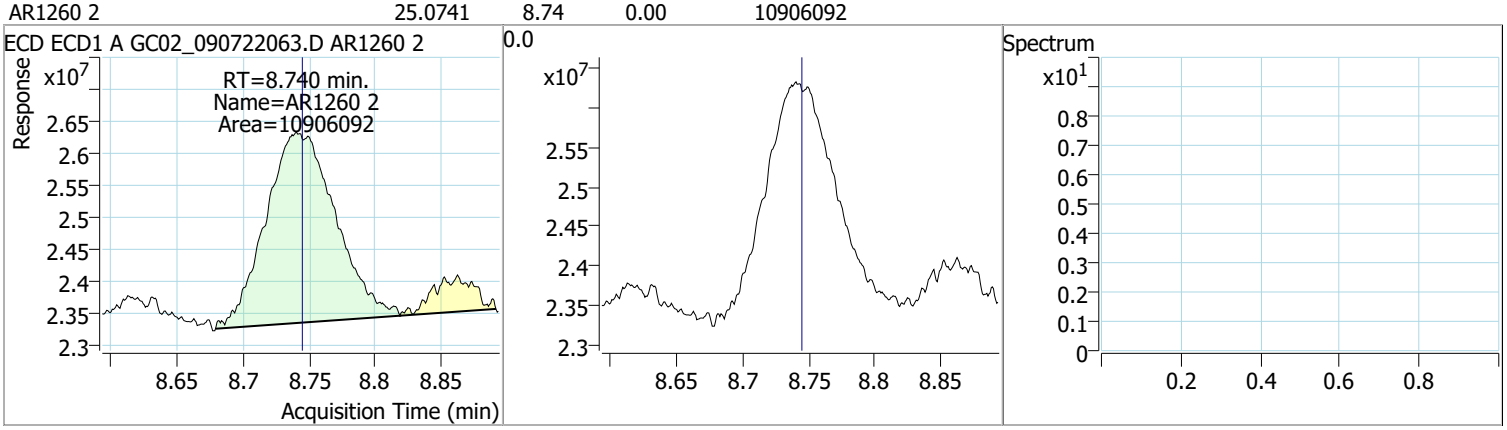
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	26.5366	7.25	0.00	259881				



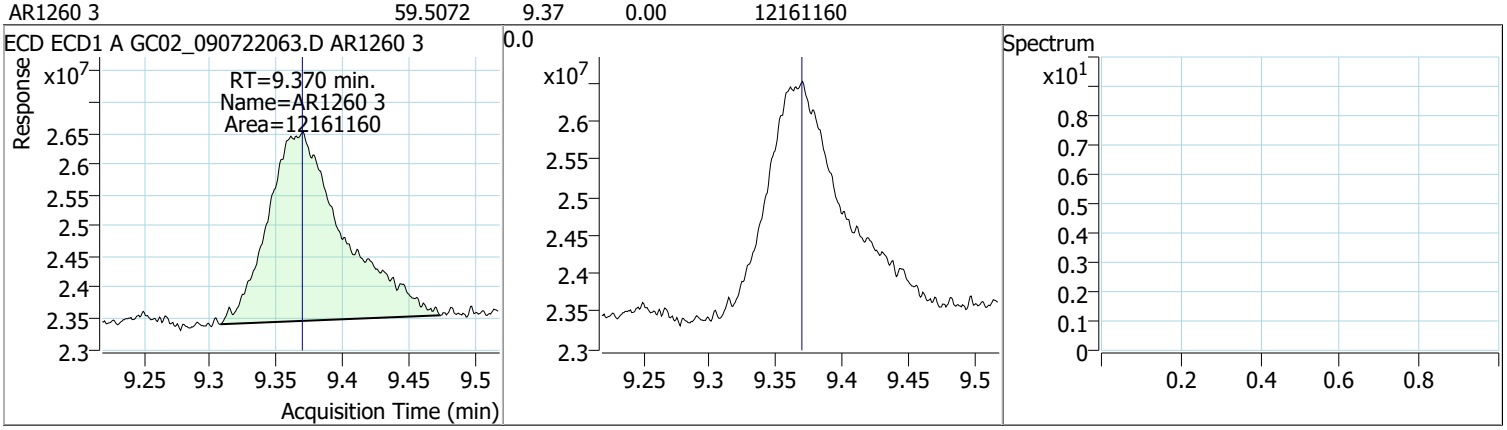
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	24.7285	8.20	0.00	7036403				



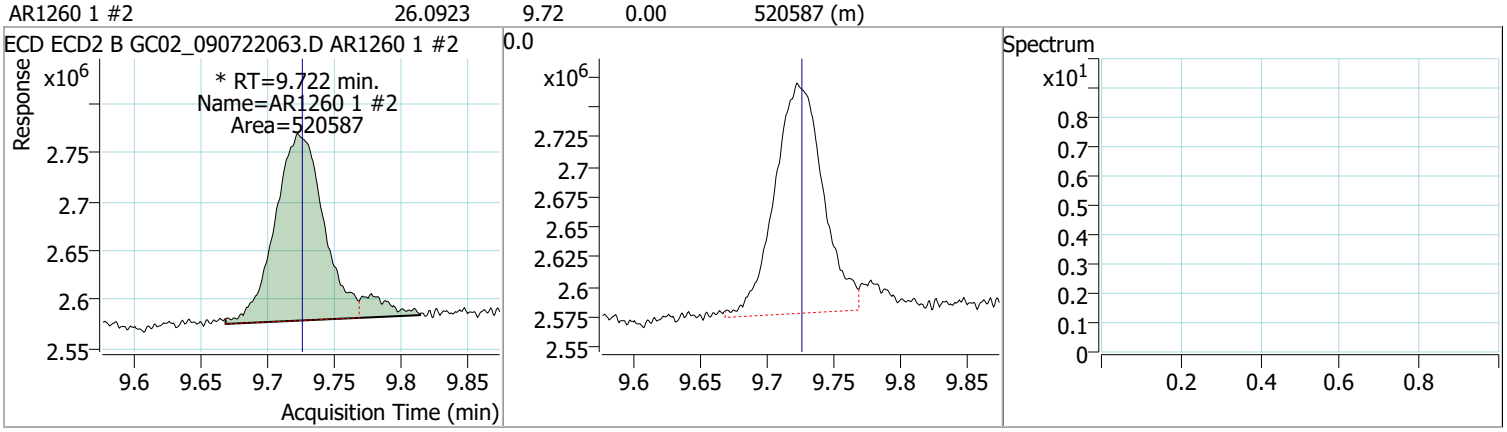
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	25.0741	8.74	0.00	10906092				



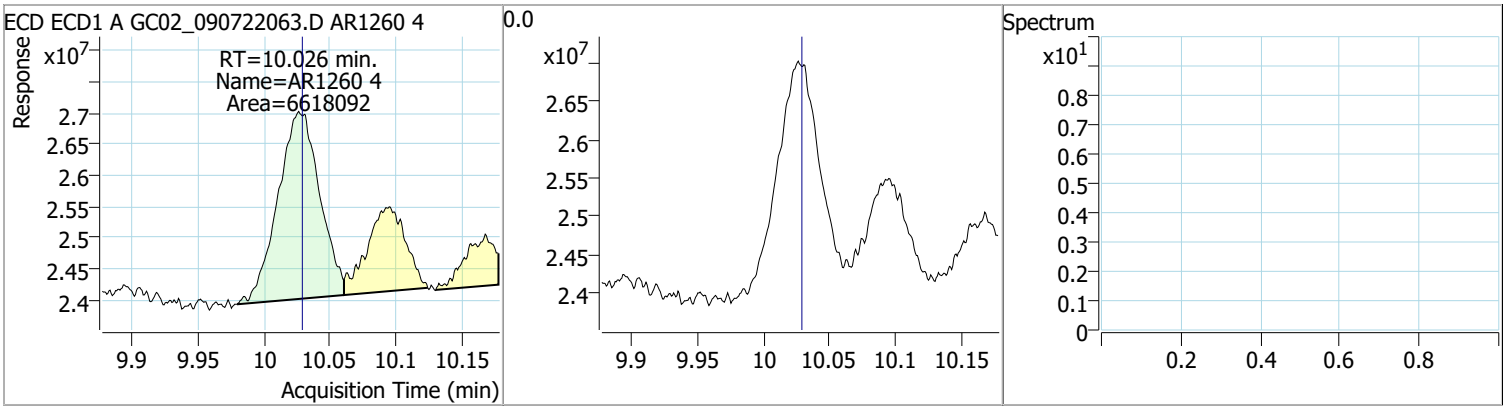
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	59.5072	9.37	0.00	12161160				



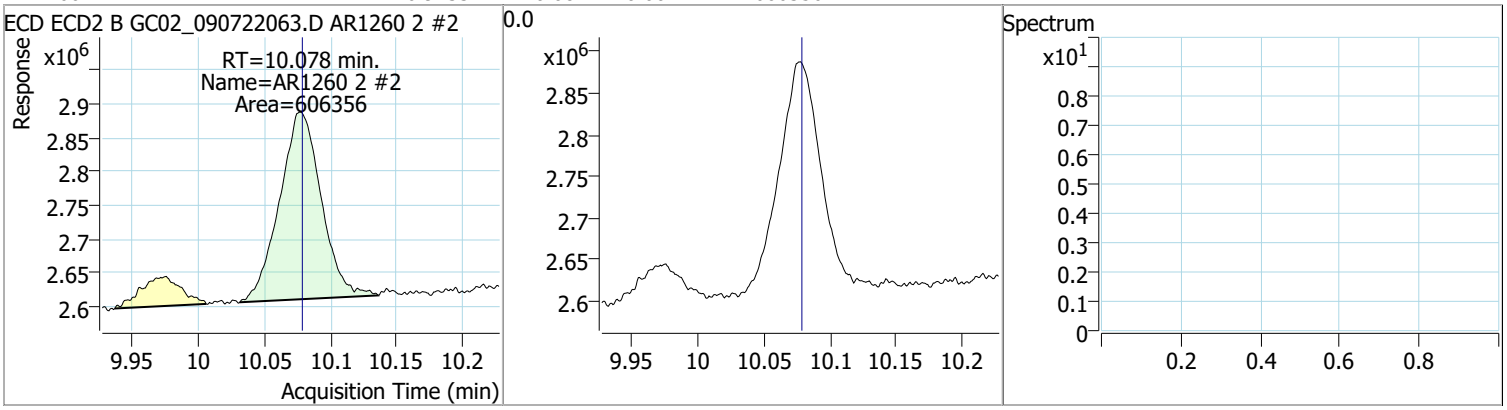
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	26.0923	9.72	0.00	520587 (m)				



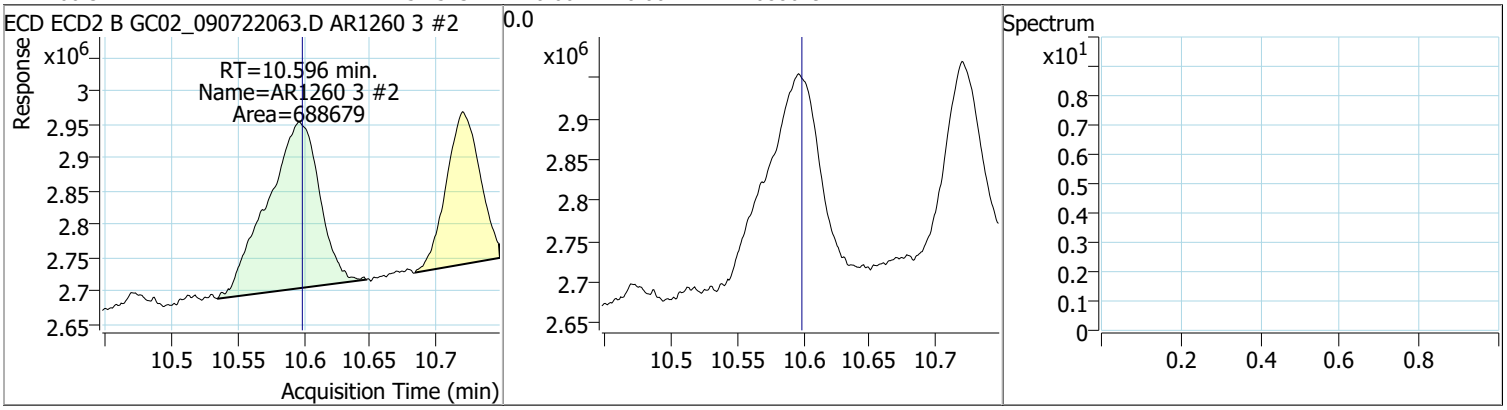
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	22.6110	10.03	0.00	6618092				



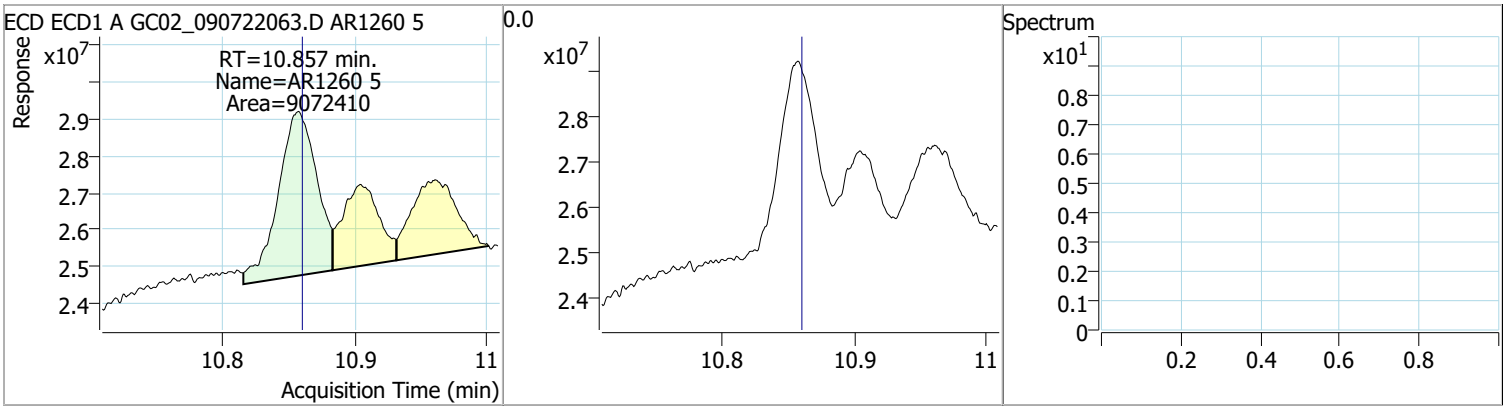
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	26.9733	10.08	0.00	606356				



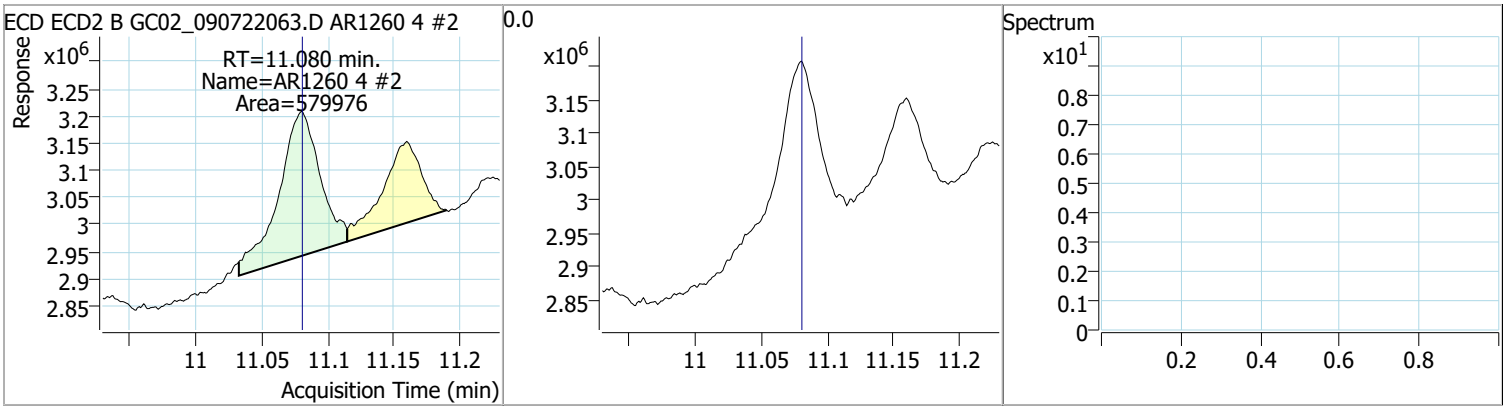
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	25.7573	10.60	0.00	688679				



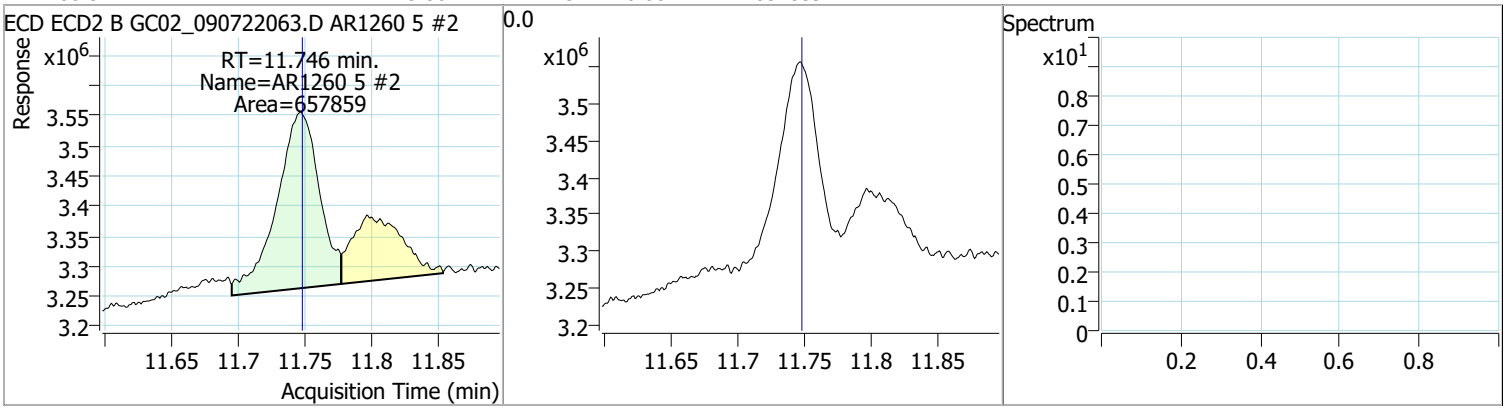
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	23.7038	10.86	0.00	9072410				



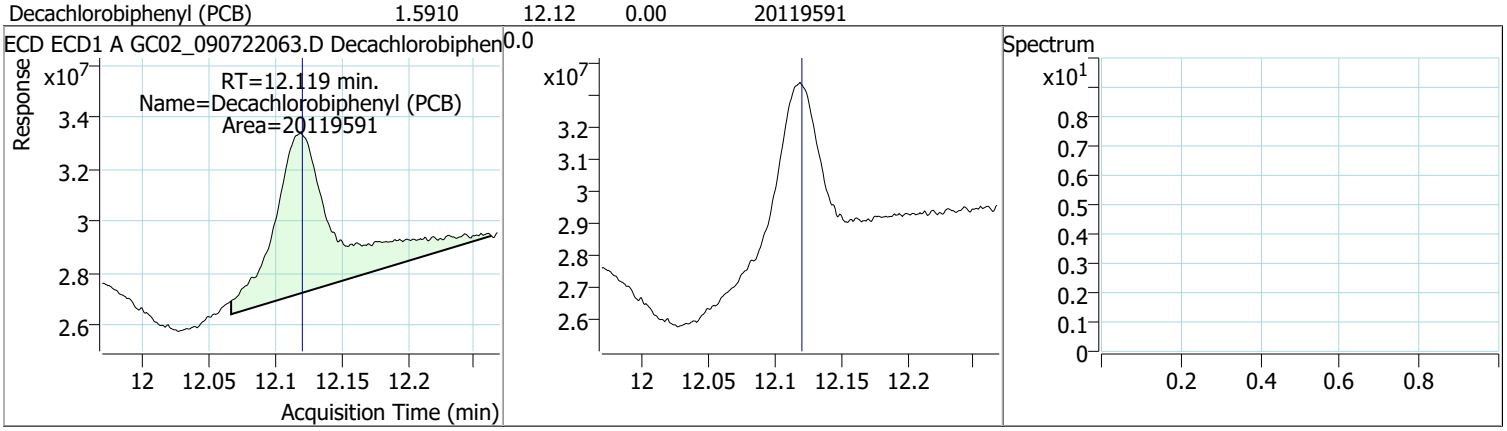
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	37.6598	11.08	0.00	579976				



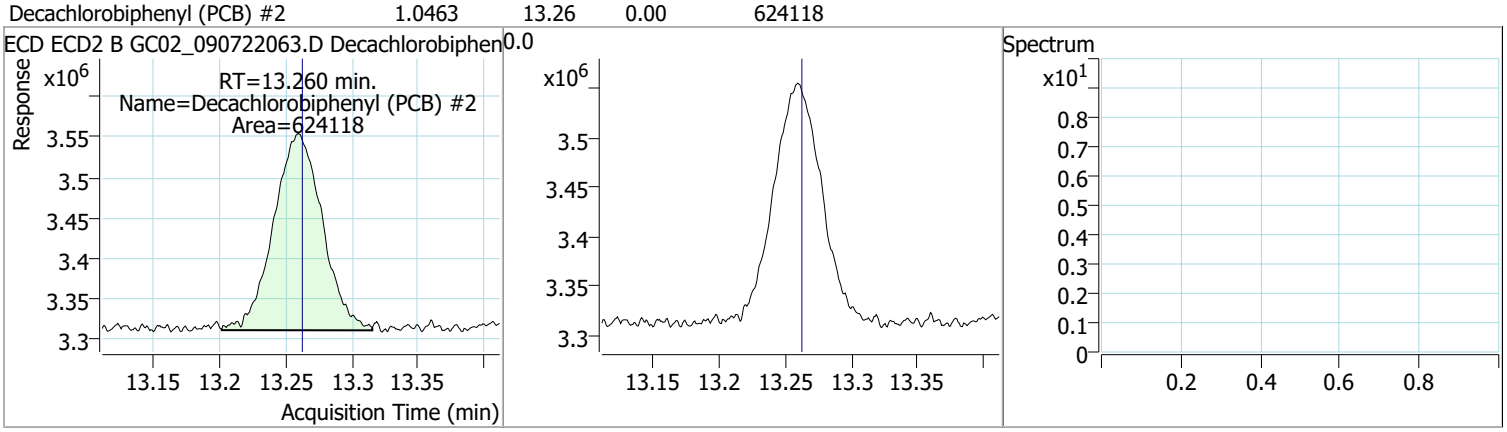
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	28.8674	11.75	0.00	657859				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.5910	12.12	0.00	20119591				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	1.0463	13.26	0.00	624118				

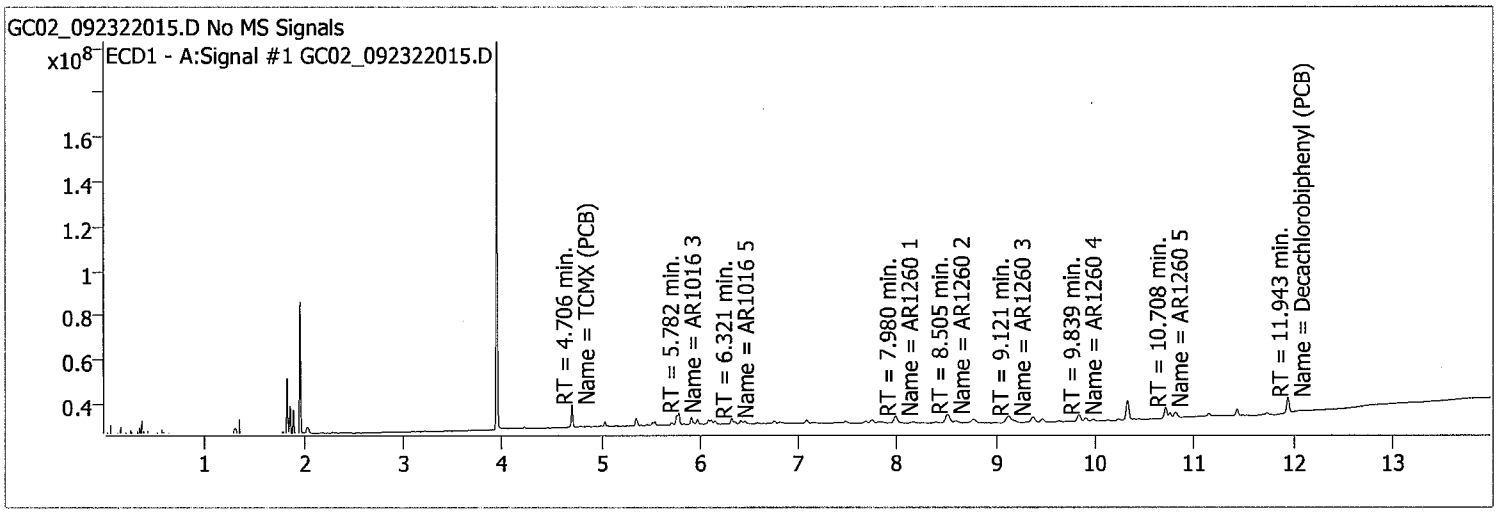


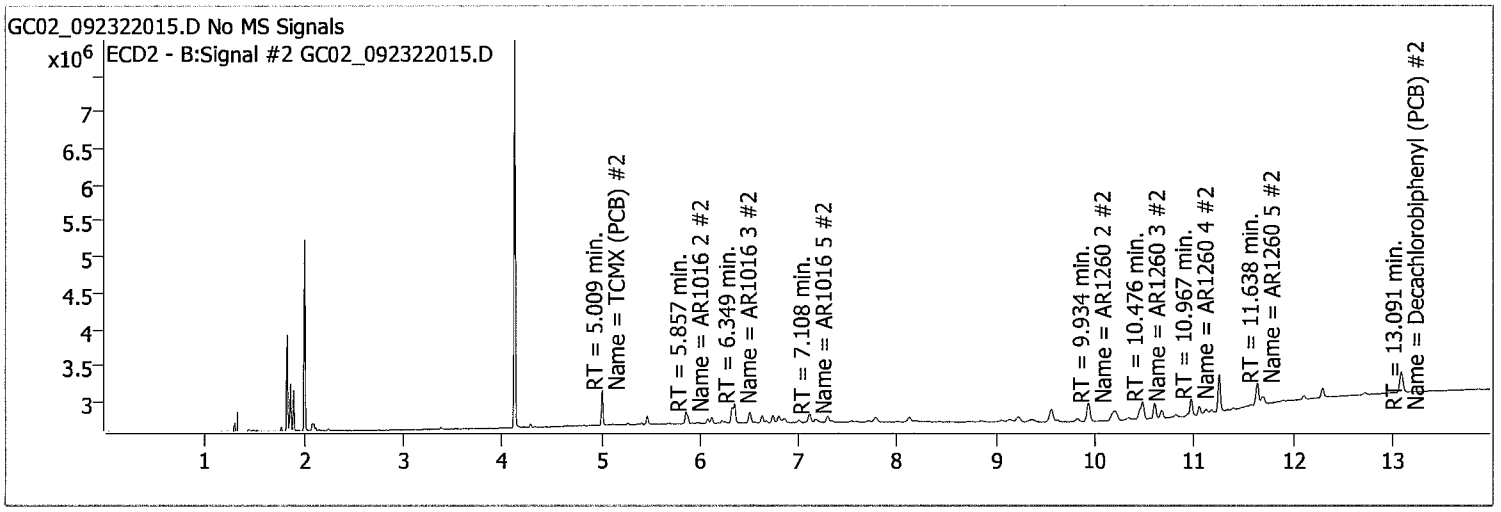
GC02 ICAL Low Point

Quantitation Results Report (Not Reviewed)

Agilent

Data File	GC02_092322015.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/23/2022 2:54:57 PM
Sample Name	ICAL, S17263	Instrument	SVOA-GC02
Vial	11	Multiplier	1.00
DA Method File	PCB_608_092322_GC02_1.m	Comment	PCB 20 PPB
Tune File	ATUNE.U	Tune Date	
Batch Name	092322PCB.batch.bin	Last Calib Update	9/26/2022 10:28:10 AM
Ref Library			





Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.946	0.0	149688452.475	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	5034792.541	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.706	0.0	10604495.681	1.4601	ng/ml		0.000
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~7.30%~~ 91.25% *			
S TCMX (PCB) #2	5.009	0.0	523788.690	2.0037	ng/ml		0.000
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~10.02%~~ 125.2% *			
S Decachlorobiphenyl (PCB)	11.943	0.0	12896274.907	1.4856	ng/ml		0.000
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~7.43%~~ 92.85% *			
S Decachlorobiphenyl (PCB) #2	13.091	0.0	667599.772	2.0527	ng/ml		0.001
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~10.26%~~ 128.3% *			
Target Compounds							QValue
T AR1016 1	5.036	0.0	2419514.717	22.1762	ng/ml	m	100

Spike = 1.6 DD 12/22/22

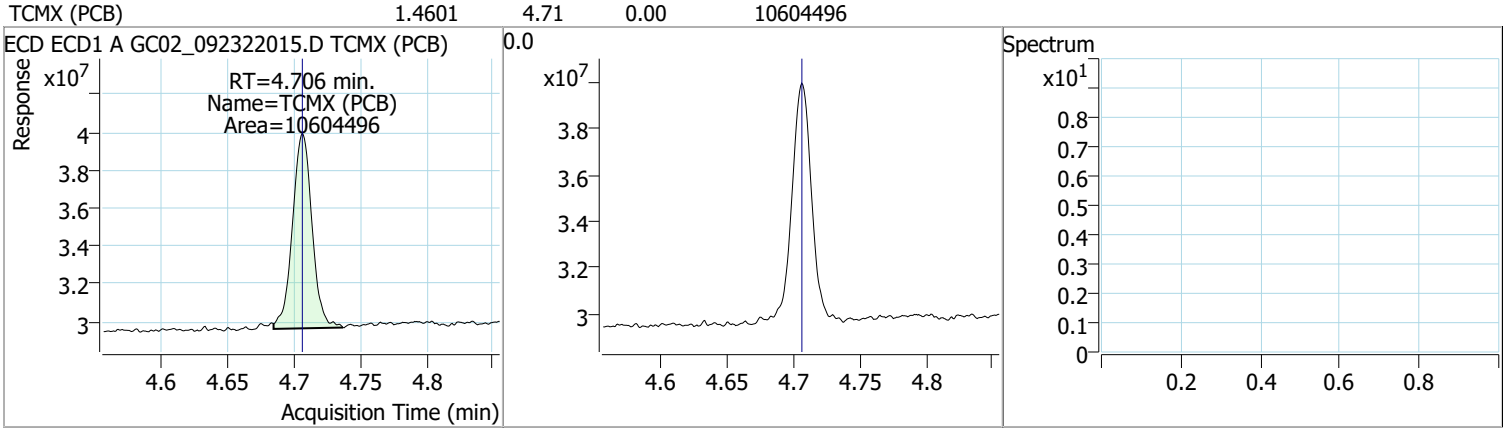
DD 12/22/22

05

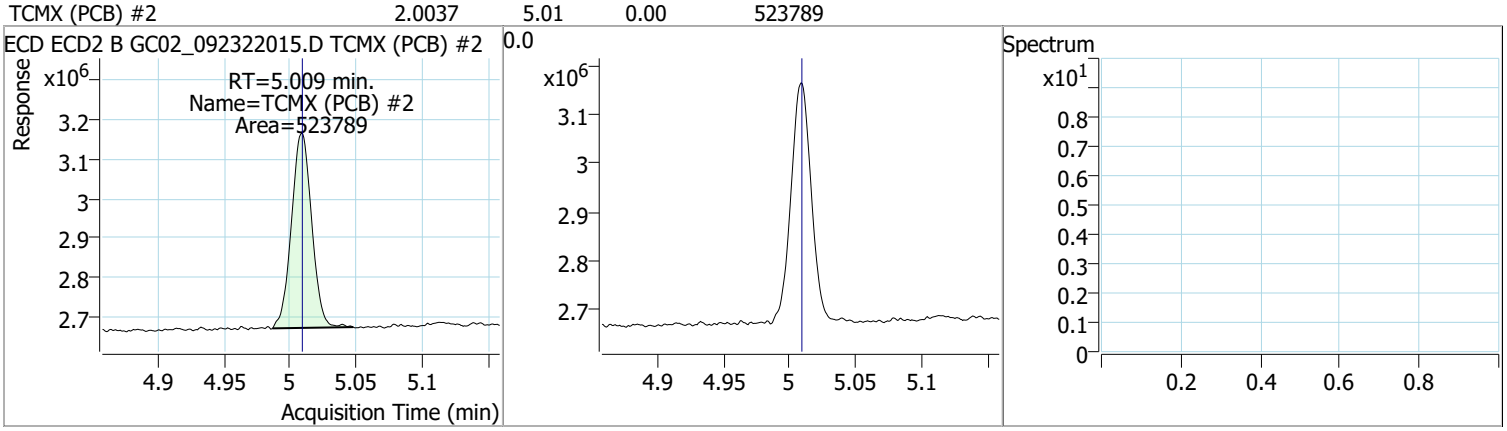
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.353	0.0	5366799.868	22.8163	ng/ml		100
T AR1016 1 #2	5.464	0.0	167000.390	27.7452	ng/ml		100
T AR1016 3	5.782	0.0	6709519.024	18.4838	ng/ml	m	100
T AR1016 2 #2	5.857	0.0	339157.238	26.8081	ng/ml		100
T AR1016 4	5.912	0.0	4976396.566	20.7492	ng/ml		100
T AR1016 5	6.321	0.0	4215721.809	21.8426	ng/ml		100
T AR1016 3 #2	6.349	0.0	390841.676	25.3434	ng/ml	m	100
T AR1016 4 #2	6.504	0.0	290256.486	26.1840	ng/ml		100
T AR1016 5 #2	7.108	0.0	252677.286	26.6099	ng/ml		100
T AR1260 1	7.980	0.0	7976163.496	21.0254	ng/ml		100
T AR1260 2	8.505	0.0	12259234.812	19.9415	ng/ml		100
T AR1260 3	9.121	0.0	13833614.759	20.1817	ng/ml		100
T AR1260 1 #2	9.556	0.0	511751.430	27.0795	ng/ml		100
T AR1260 4	9.839	0.0	7461178.340	19.4647	ng/ml		100
T AR1260 2 #2	9.934	0.0	605046.591	27.4544	ng/ml		100
T AR1260 3 #2	10.476	0.0	697016.415	25.8551	ng/ml		100
T AR1260 5	10.708	0.0	9884515.835	18.7970	ng/ml		100
T AR1260 4 #2	10.967	0.0	416051.265	25.2843	ng/ml		100
T AR1260 5 #2	11.638	0.0	636344.882	25.7712	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

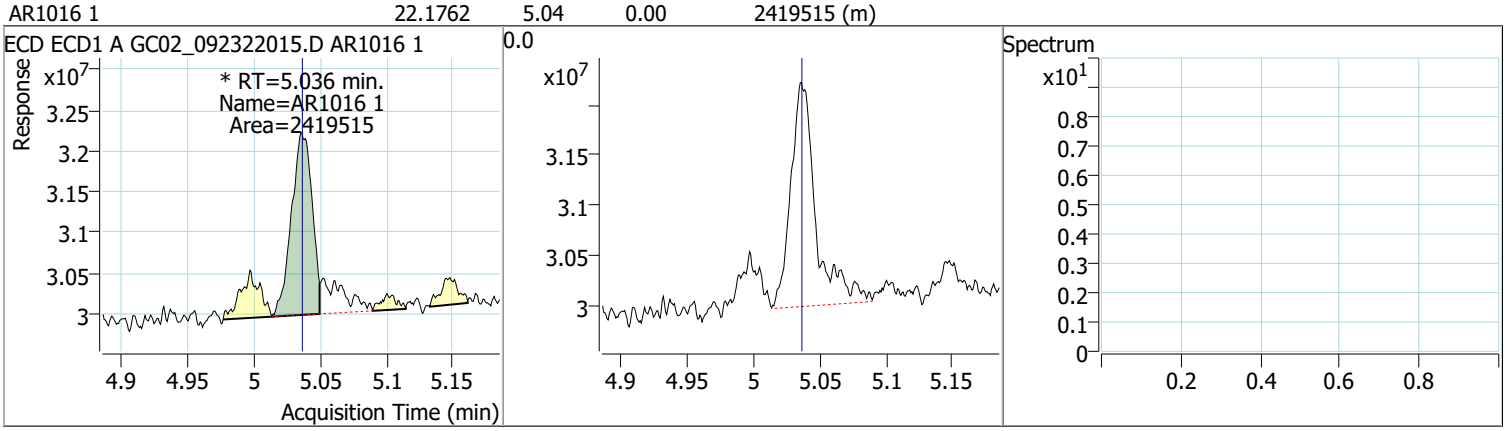
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.4601	4.71	0.00	10604496				



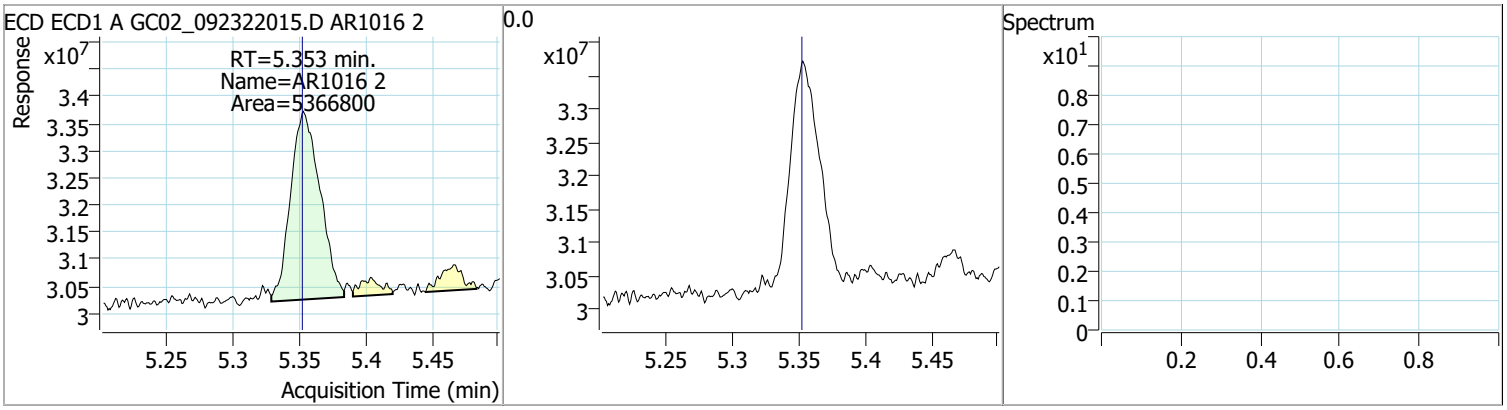
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	2.0037	5.01	0.00	523789				



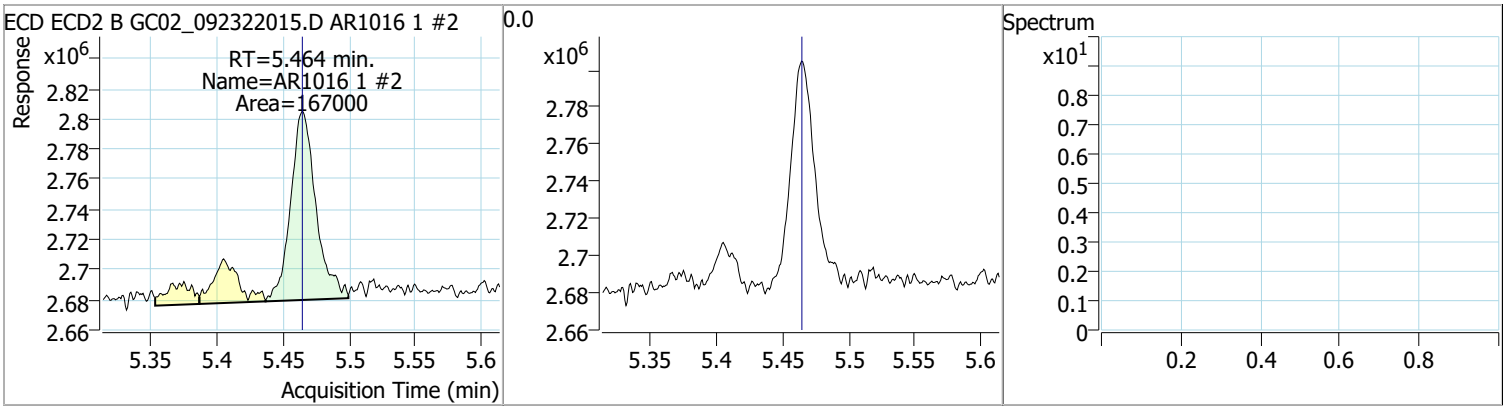
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	22.1762	5.04	0.00	2419515 (m)				



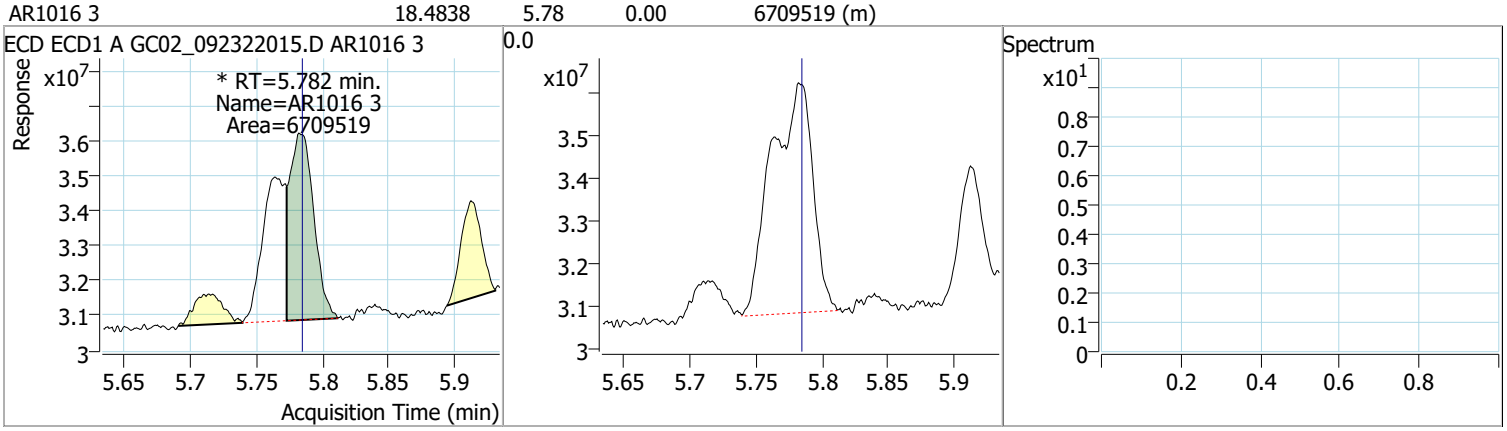
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	22.8163	5.35	0.00	5366800				



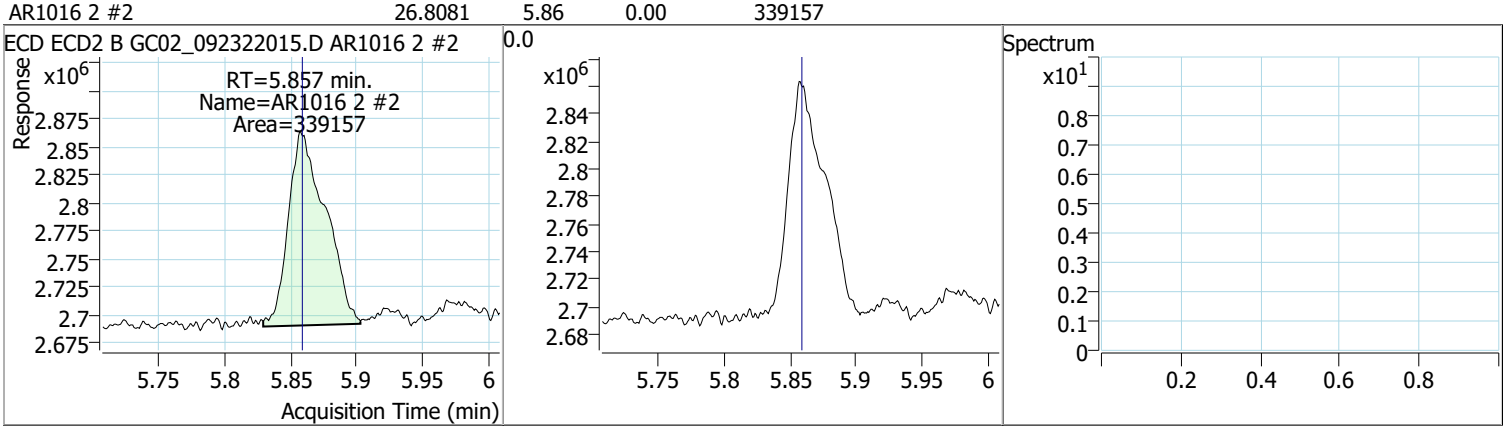
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	27.7452	5.46	0.00	167000				



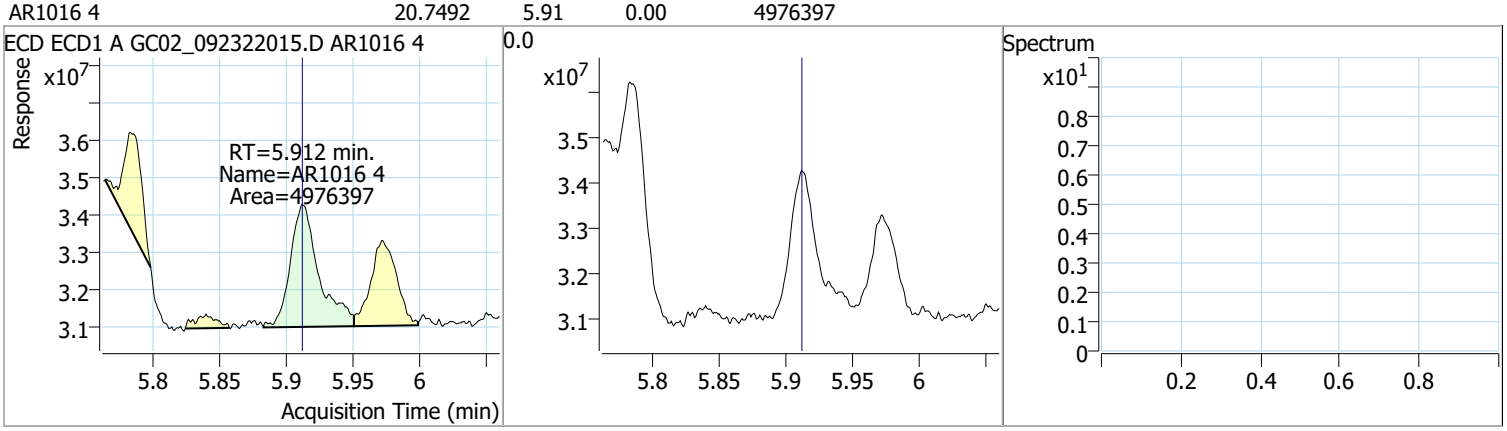
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	18.4838	5.78	0.00	6709519 (m)				



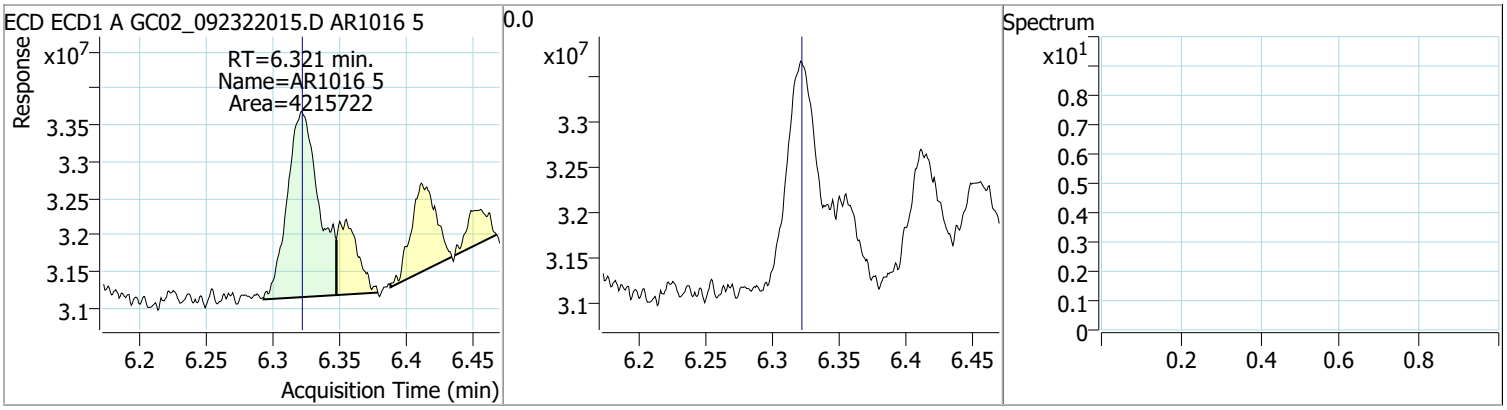
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	26.8081	5.86	0.00	339157				



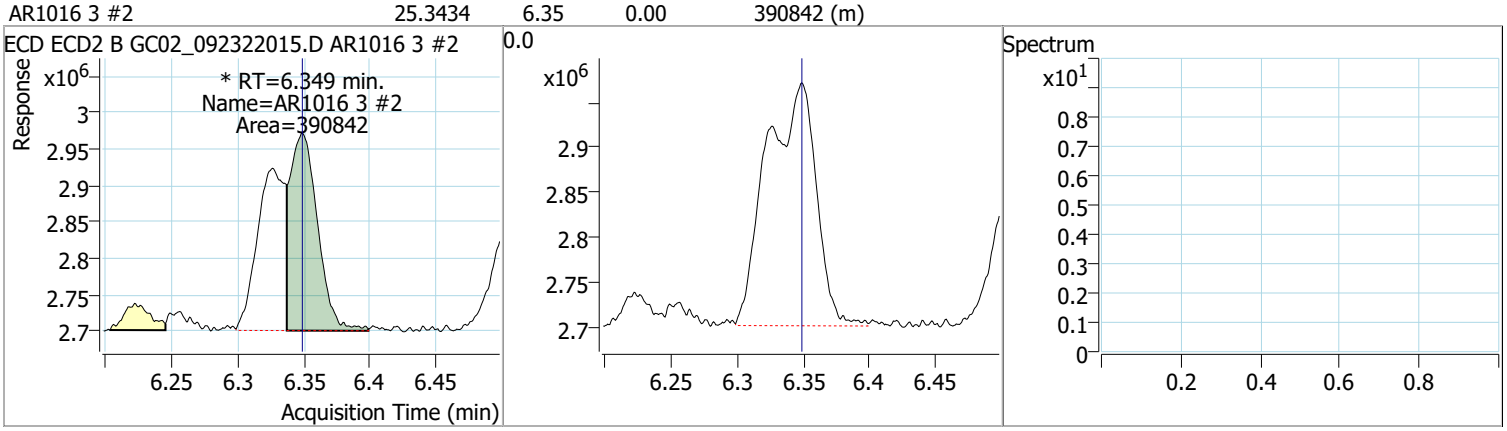
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	20.7492	5.91	0.00	4976397				



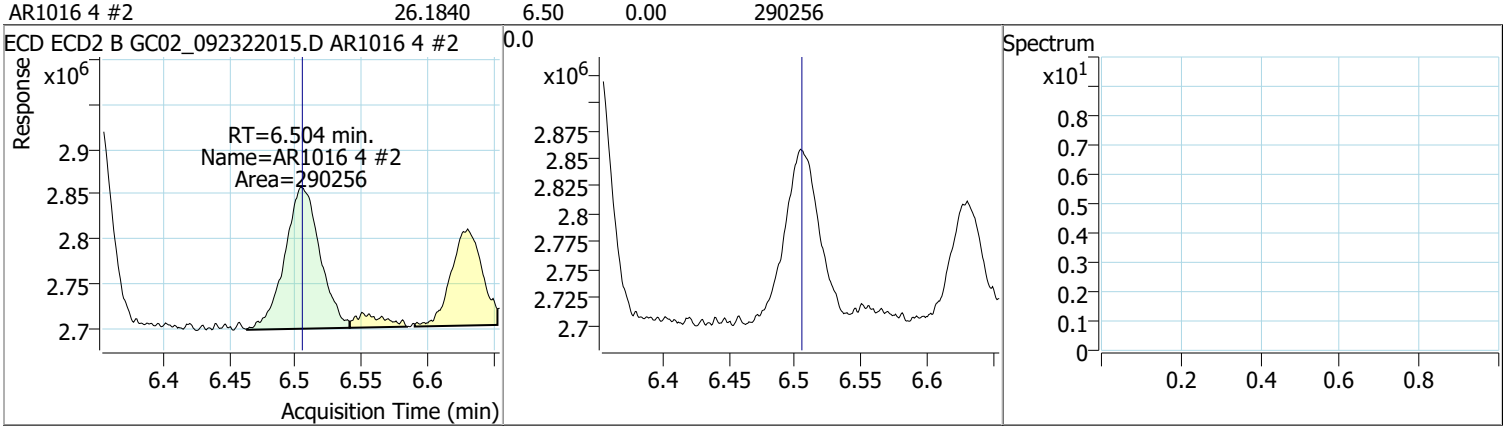
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	21.8426	6.32	0.00	4215722				



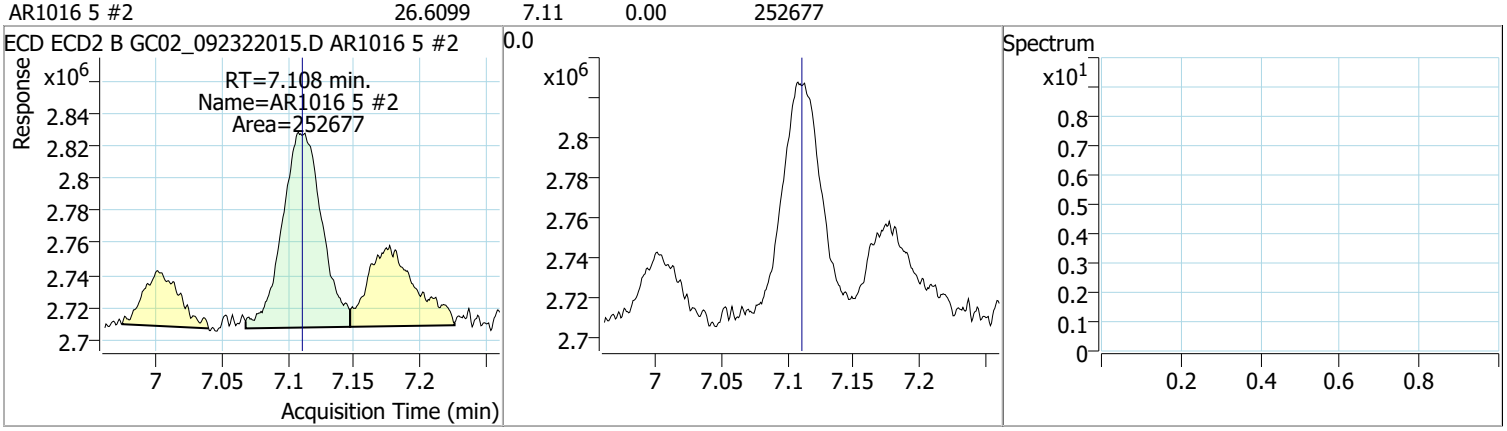
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	25.3434	6.35	0.00	390842 (m)				



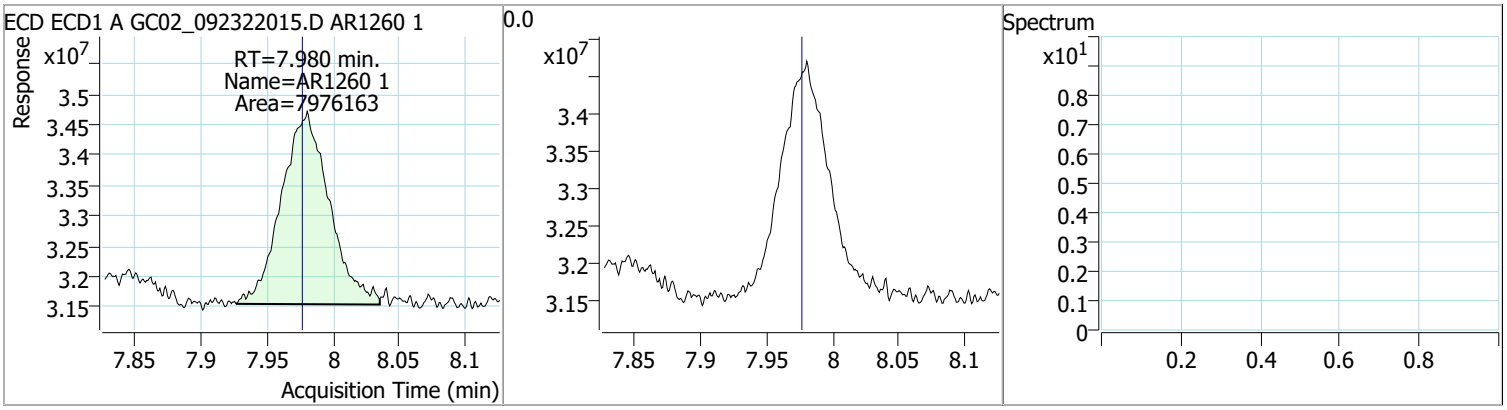
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	26.1840	6.50	0.00	290256				



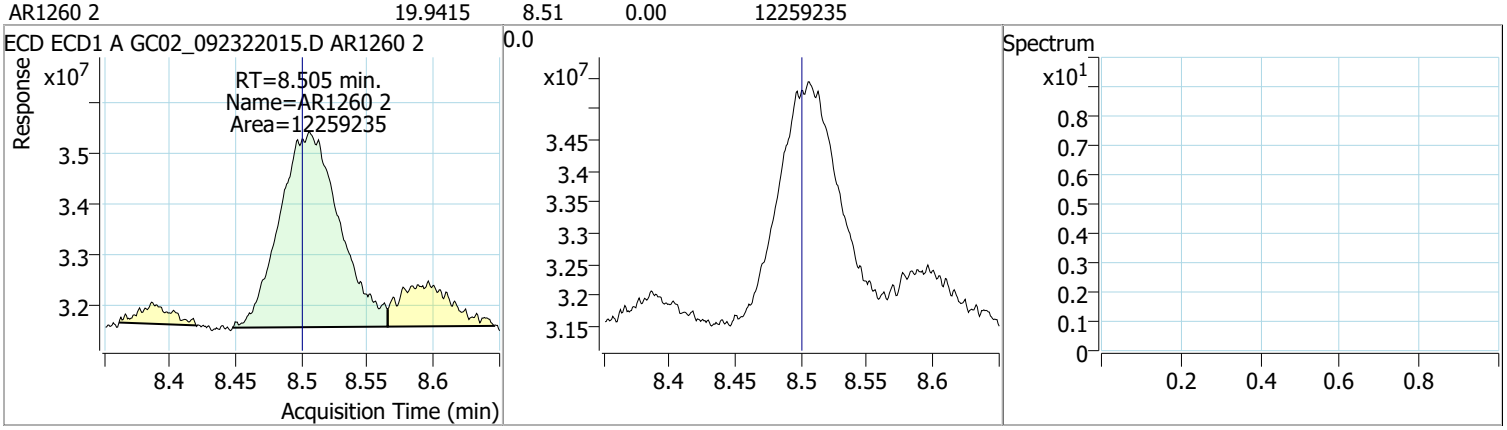
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	26.6099	7.11	0.00	252677				



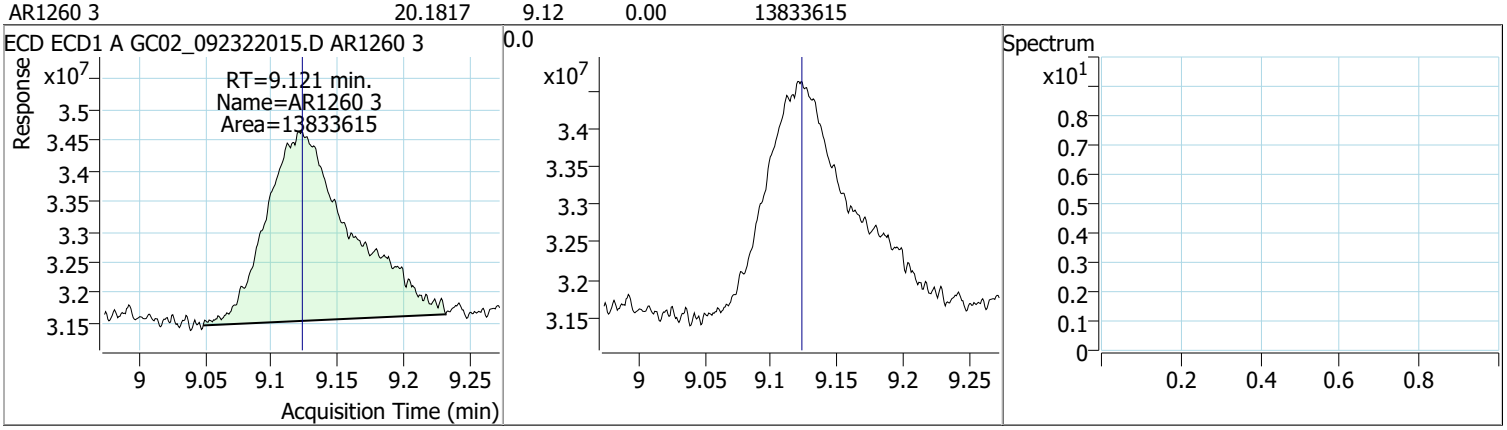
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	21.0254	7.98	0.00	7976163				



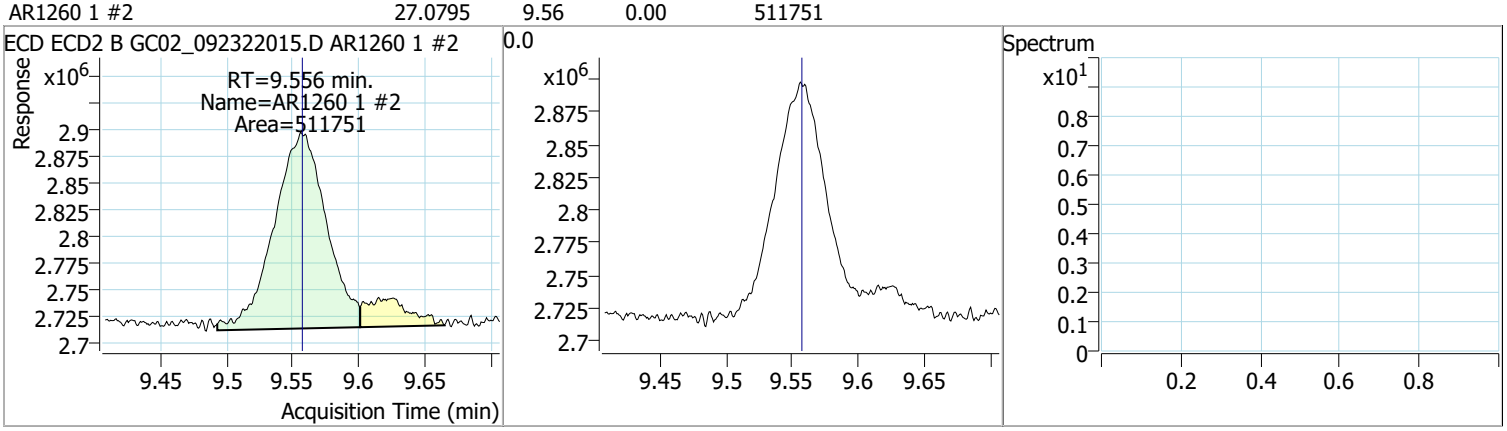
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	19.9415	8.51	0.00	12259235				



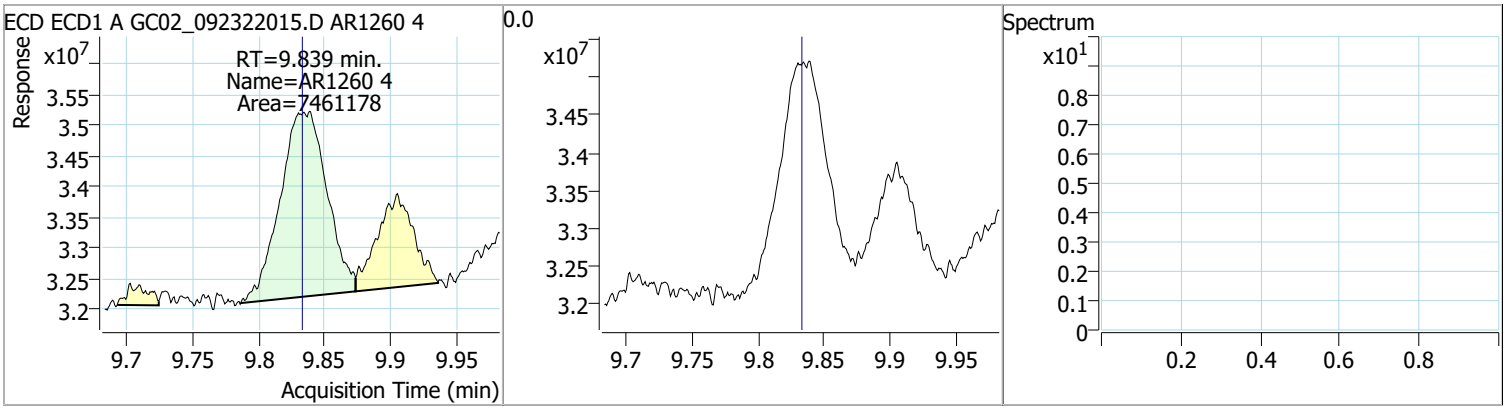
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	20.1817	9.12	0.00	13833615				



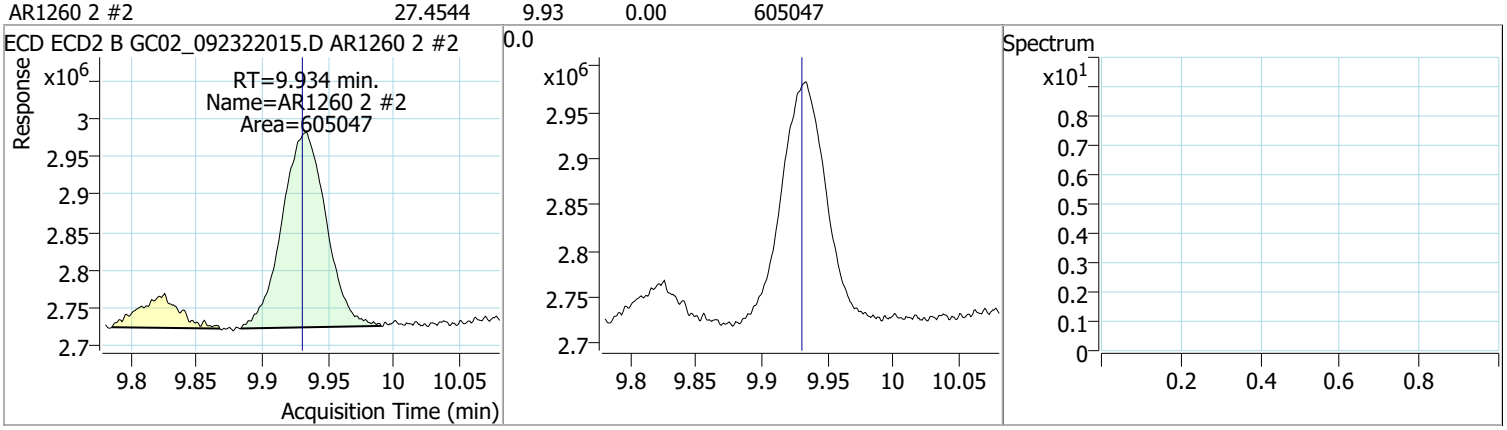
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	27.0795	9.56	0.00	511751				



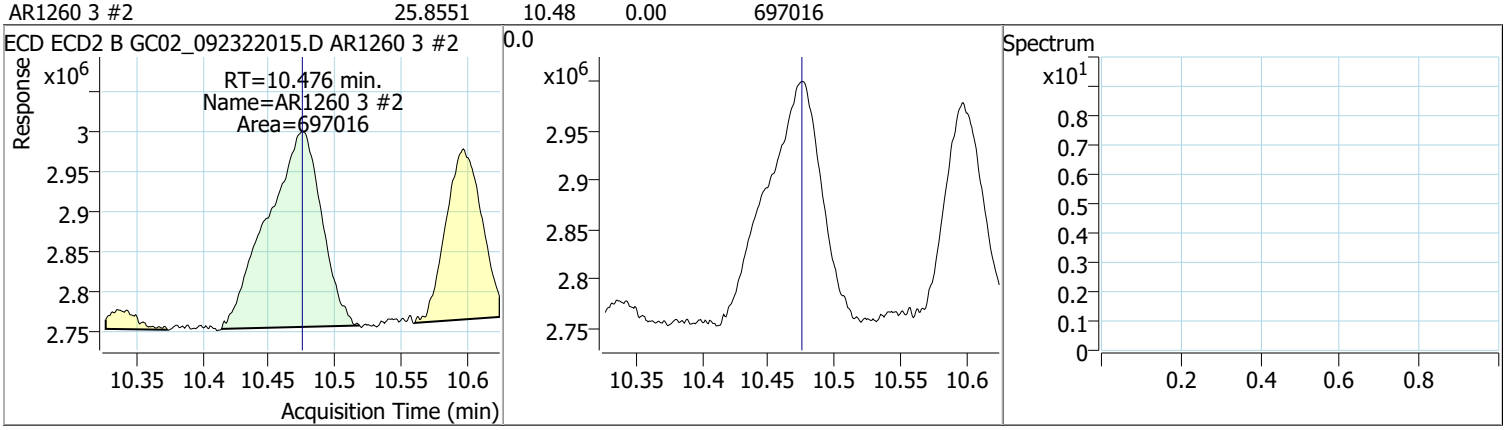
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	19.4647	9.84	0.00	7461178				



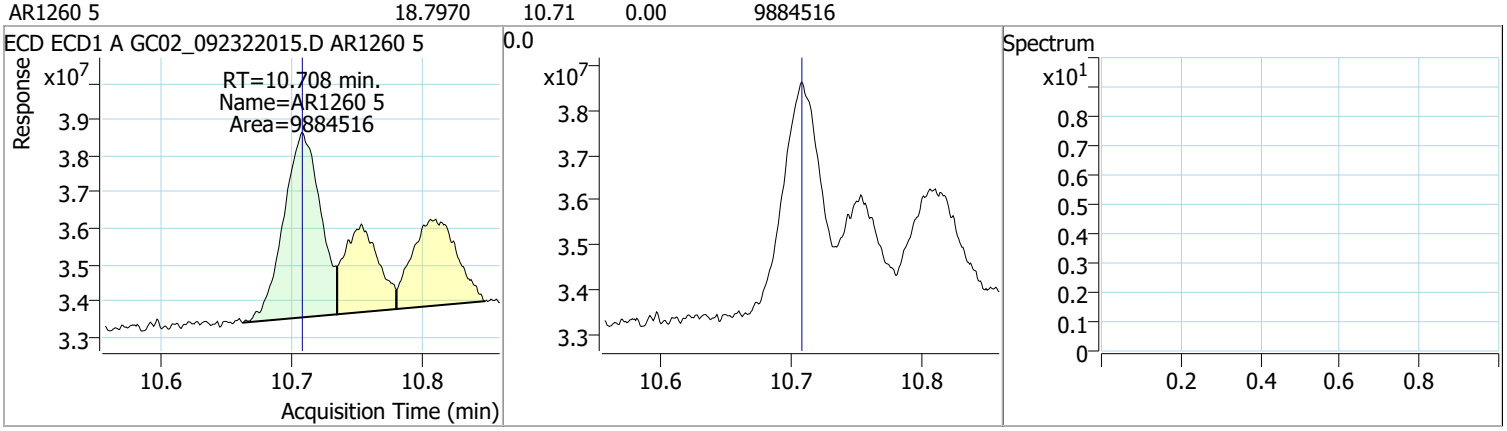
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	27.4544	9.93	0.00	605047				



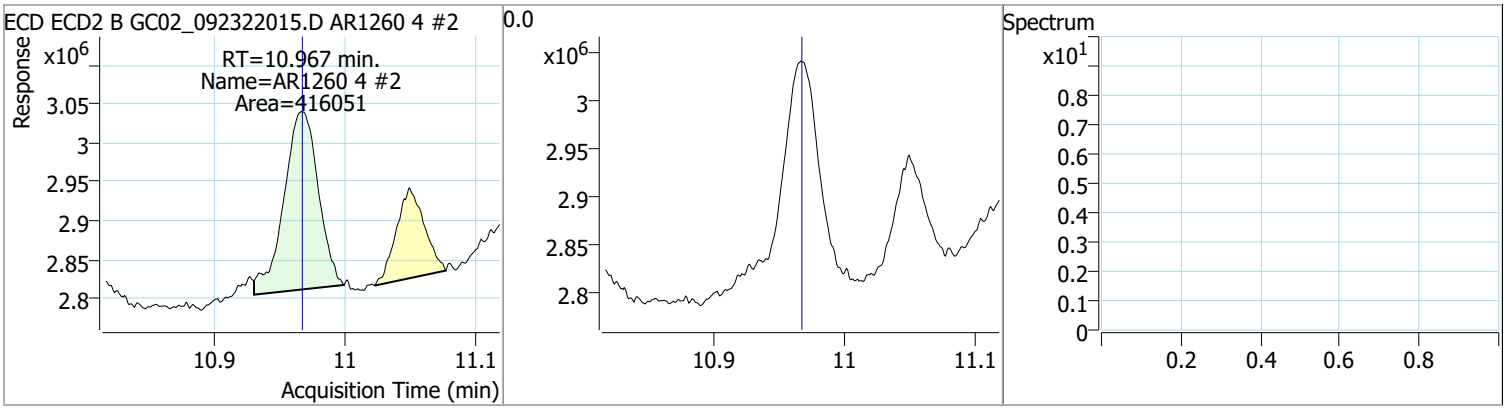
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	25.8551	10.48	0.00	697016				



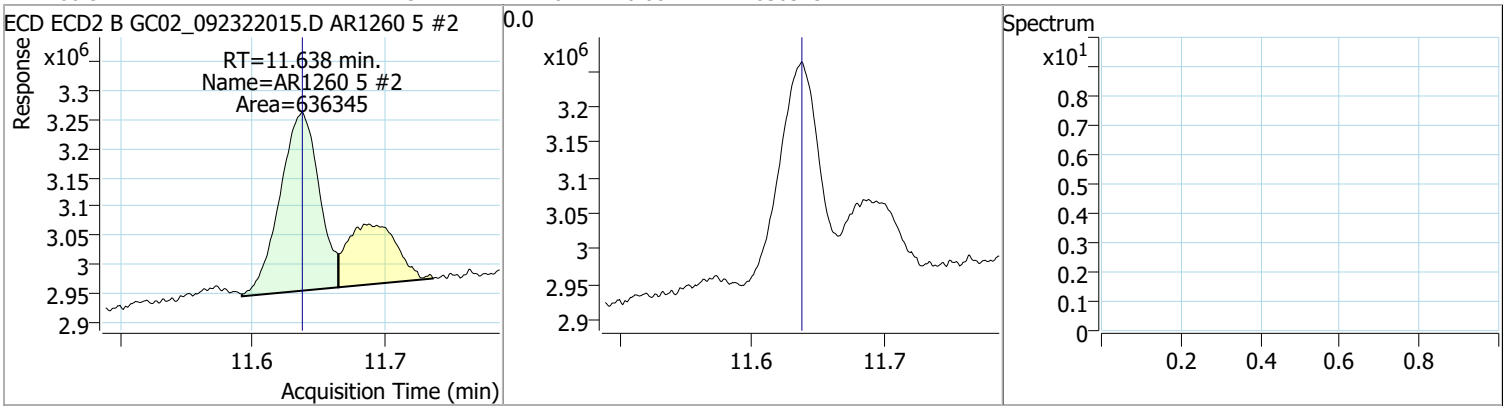
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	18.7970	10.71	0.00	9884516				



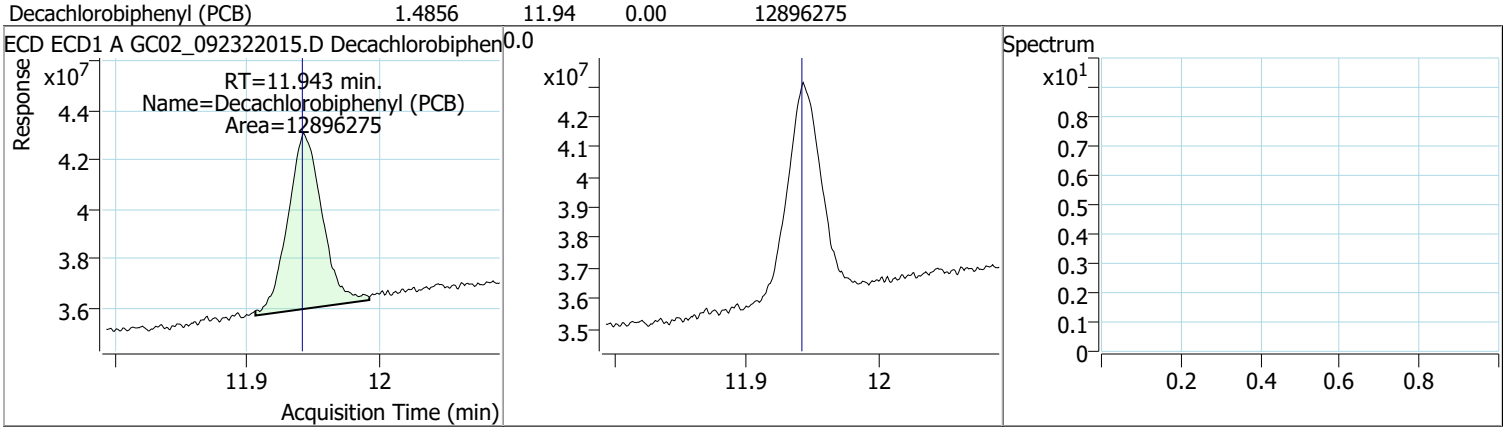
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	25.2843	10.97	0.00	416051				



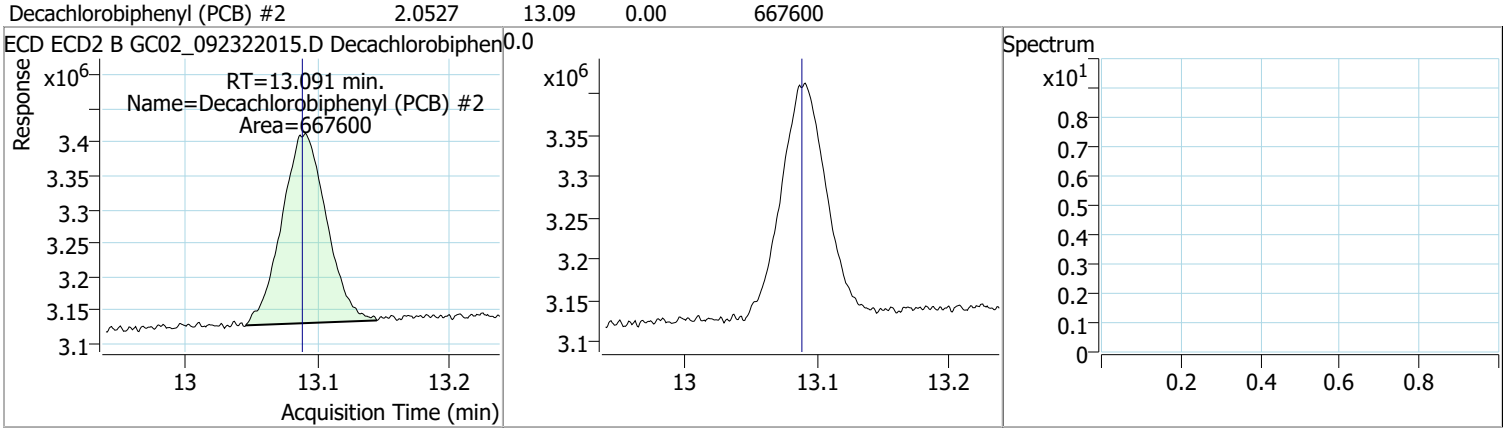
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	25.7712	11.64	0.00	636345				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.4856	11.94	0.00	12896275				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.0527	13.09	0.00	667600				

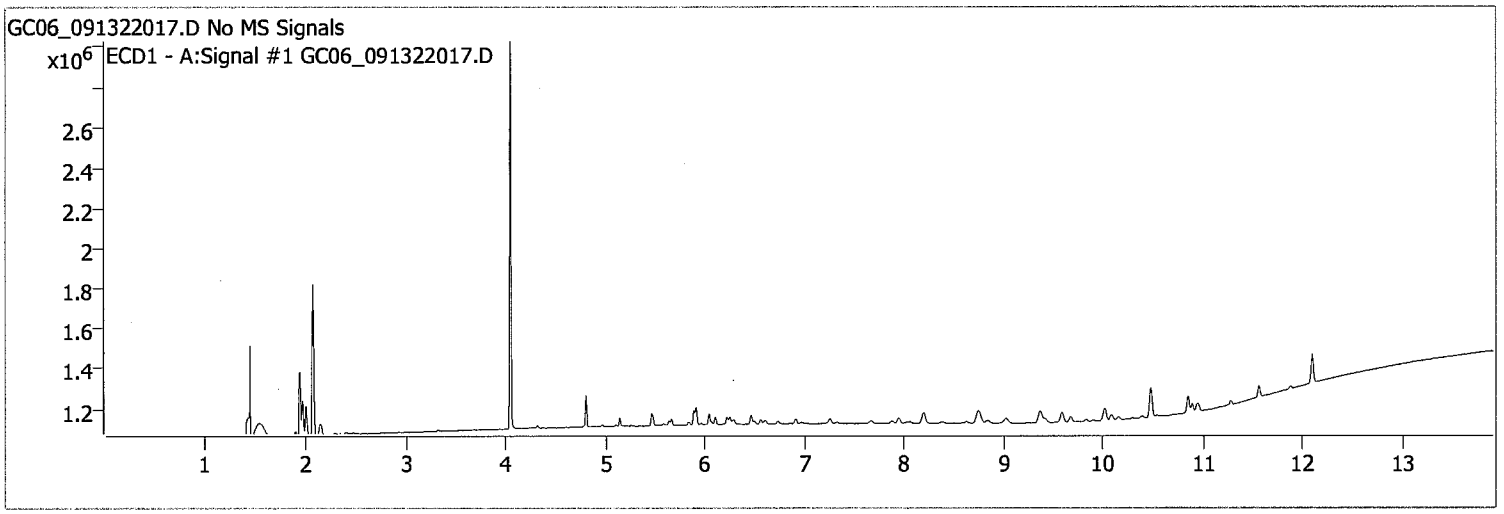


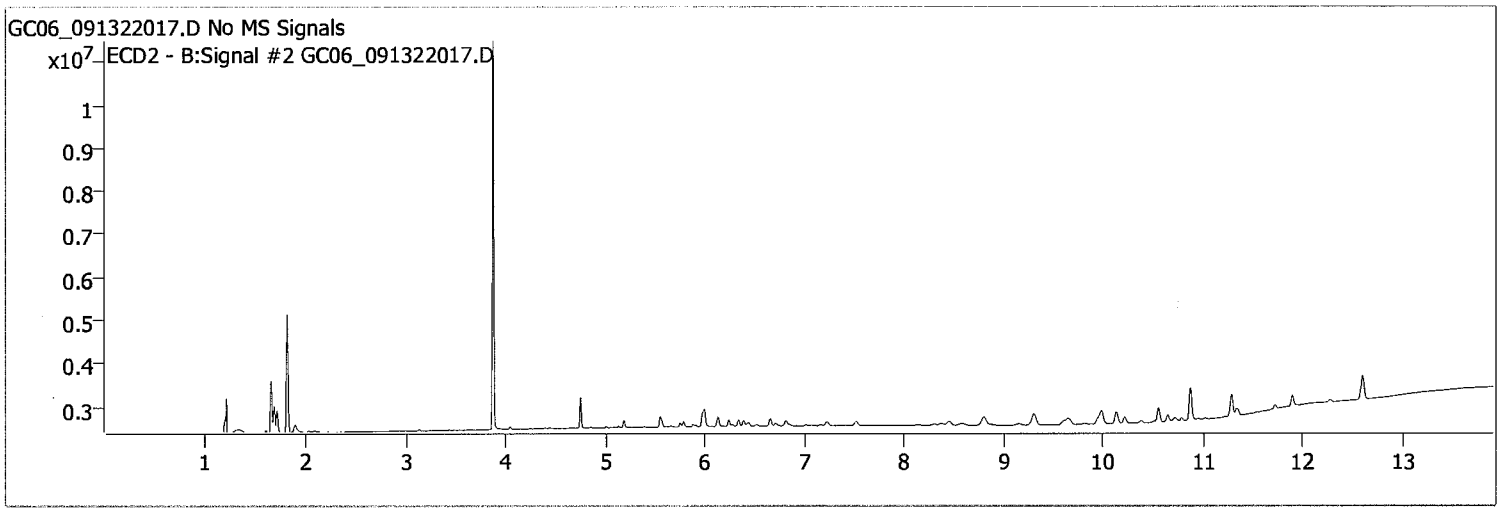
GC06 ICAL Low Point

Quantitation Results Report (Not Reviewed)

Agilent

Data File	GC06_091322017.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	9/14/2022 12:39:45 AM
Sample Name	ICAL, S16585, 100	Instrument	SVOA-GC06
Vial	41	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	091322_PCB.batch.bin	Last Calib Update	9/14/2022 2:07:22 PM
Ref Library			





Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB) #2	3.874	0.0	8462321.647	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB)	4.051	0.0	1800937.400	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB) #2	4.754	0.0	747004.804	1.8032	ng/ml	0.000
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~9.02%~~ 112.7%*		
S TCMX (PCB)	4.811	0.0	160031.646	1.8655	ng/ml	-0.002
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~9.33%~~ 116.6%*		
S Decachlorobiphenyl (PCB)	12.097	0.0	241152.585	1.9965	ng/ml	-0.003
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~9.98%~~ 124.8%*		
S Decachlorobiphenyl (PCB) #2	12.598	0.0	1154888.185	2.0574	ng/ml	-0.002
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~10.29%~~ 128.6%*		
Target Compounds						QValue
T AR1016 1	5.146	0.0	44697.420	25.3176	ng/ml	100
T AR1016 1 #2	5.188	0.0	225910.833	26.5575	ng/ml	100

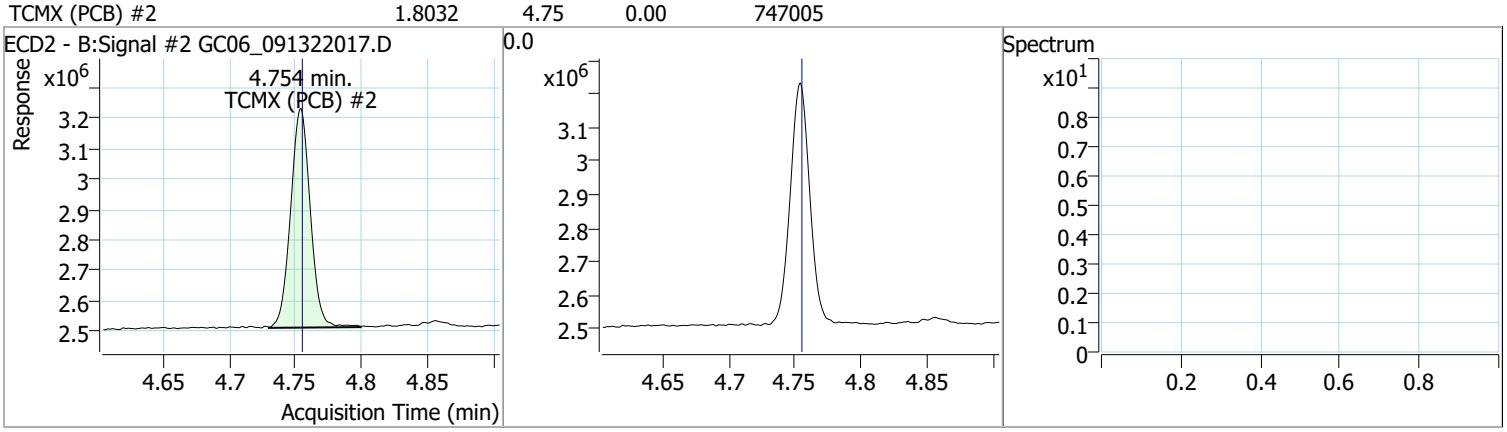
Spike = 1.6

dd 12/22/22

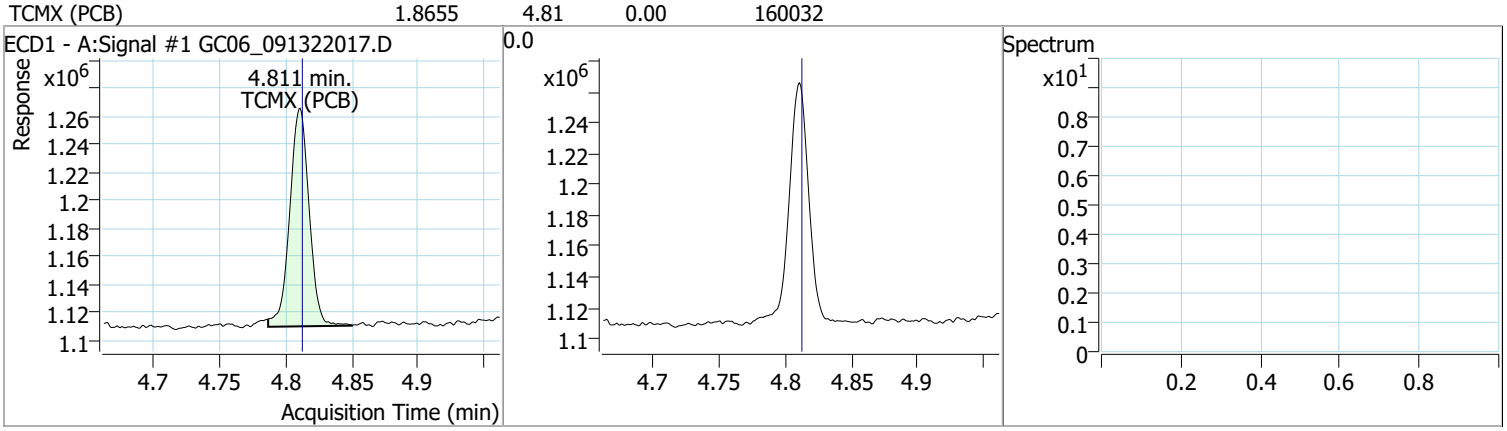
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.469	0.0	98430.955	26.0838	ng/ml		100
T AR1016 2 #2	5.552	0.0	455009.676	25.6468	ng/ml		100
T AR1016 3	5.913	0.0	113122.375	25.4301	ng/ml		100
T AR1016 3 #2	5.995	0.0	579210.161	25.0930	ng/ml	m	100
T AR1016 4	6.043	0.0	86242.390	25.7578	ng/ml		100
T AR1016 4 #2	6.132	0.0	371540.971	24.3610	ng/ml	m	100
T AR1016 5	6.467	0.0	68318.245	25.5145	ng/ml		100
T AR1016 5 #2	6.658	0.0	311919.196	24.2227	ng/ml		100
T AR1260 1	8.198	0.0	139834.239	26.3948	ng/ml		100
T AR1260 2	8.751	0.0	209624.785	25.0770	ng/ml		100
T AR1260 1 #2	8.802	0.0	756088.668	25.7926	ng/ml		100
T AR1260 2 #2	9.305	0.0	854373.025	25.9620	ng/ml		100
T AR1260 3	9.369	0.0	227145.076	25.9528	ng/ml		100
T AR1260 3 #2	9.983	0.0	1032947.202	24.3999	ng/ml		100
T AR1260 4	10.019	0.0	121927.950	24.6943	ng/ml		100
T AR1260 4 #2	10.553	0.0	677388.133	24.1767	ng/ml	m	100
T AR1260 5	10.851	0.0	147786.185	24.1747	ng/ml		100
T AR1260 5 #2	11.287	0.0	1019538.857	24.3913	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

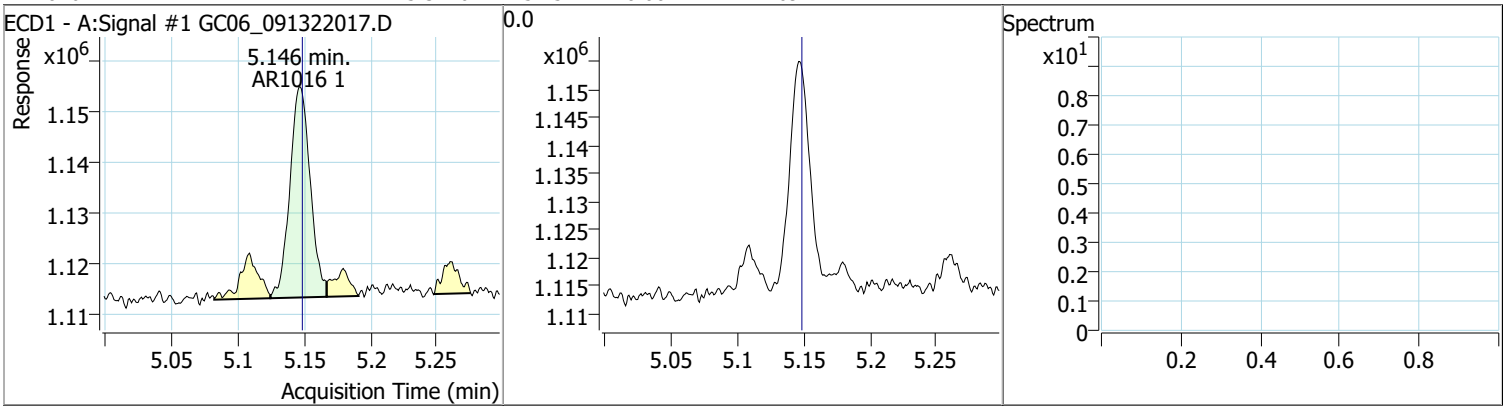
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.8032	4.75	0.00	747005				



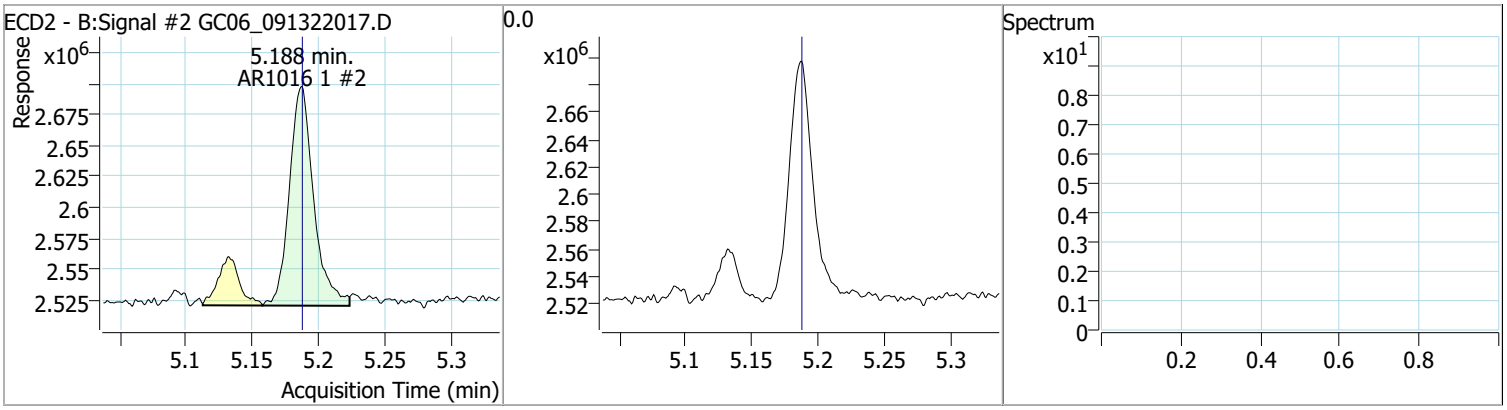
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.8655	4.81	0.00	160032				



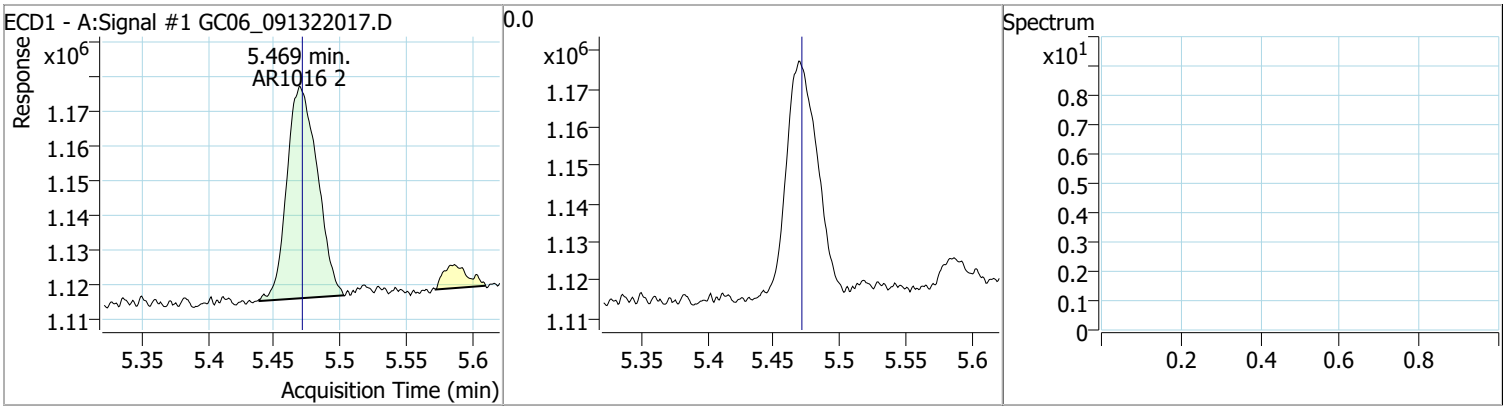
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	25.3176	5.15	0.00	44697				



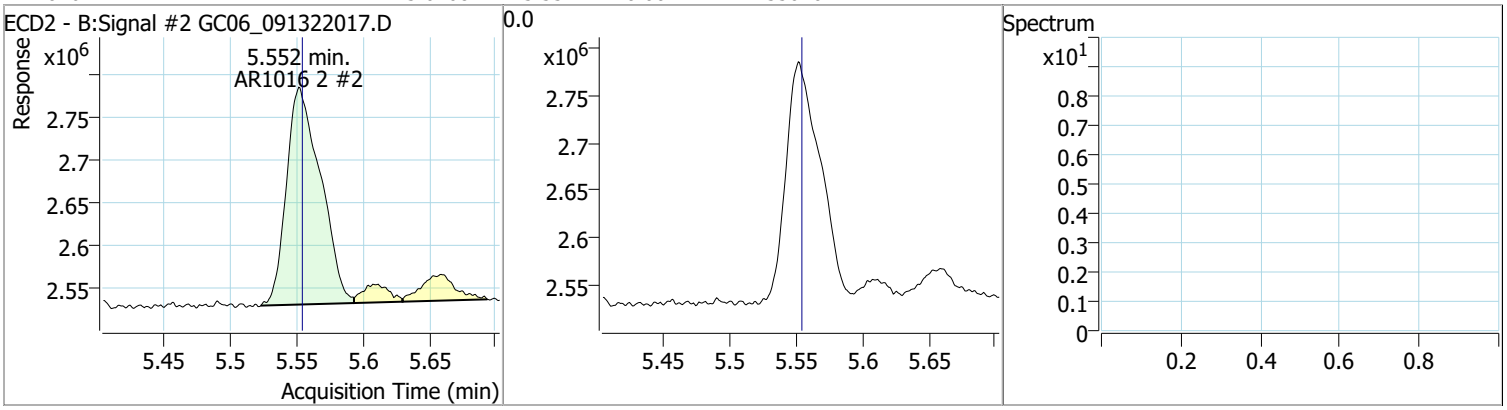
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	26.5575	5.19	0.00	225911				



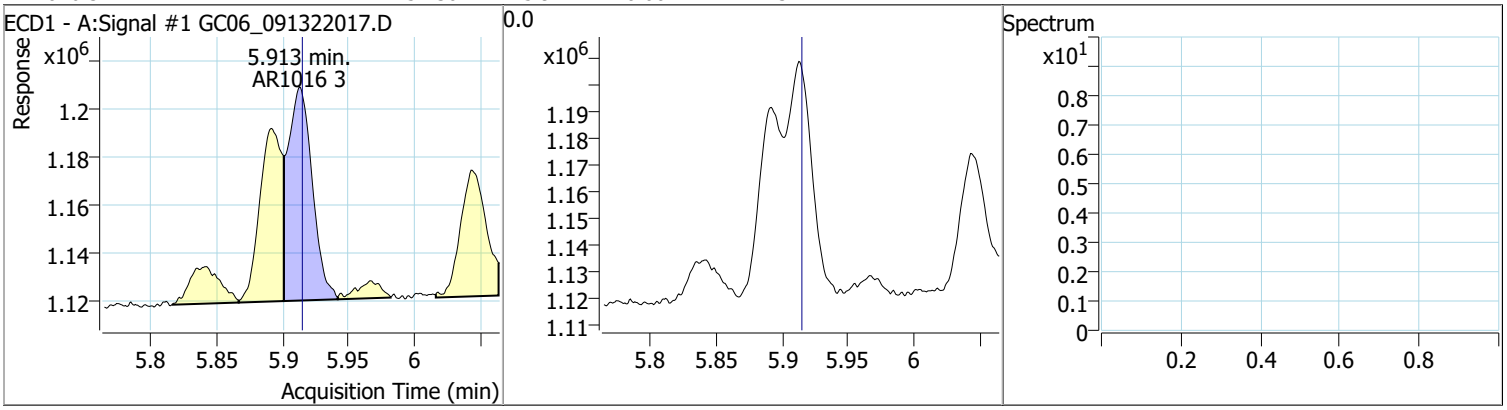
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	26.0838	5.47	0.00	98431				



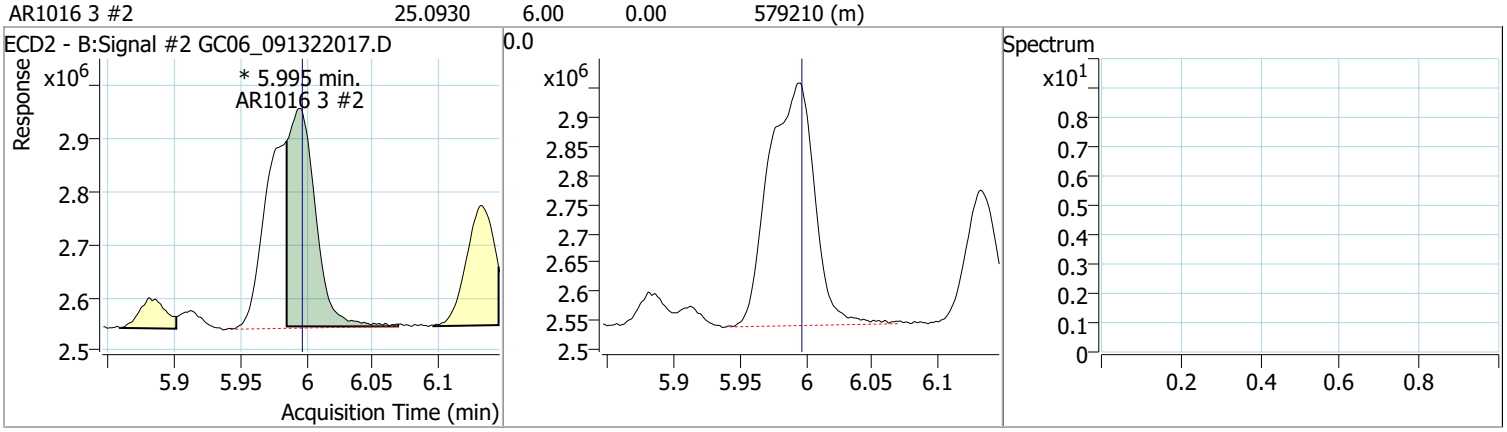
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	25.6468	5.55	0.00	455010				



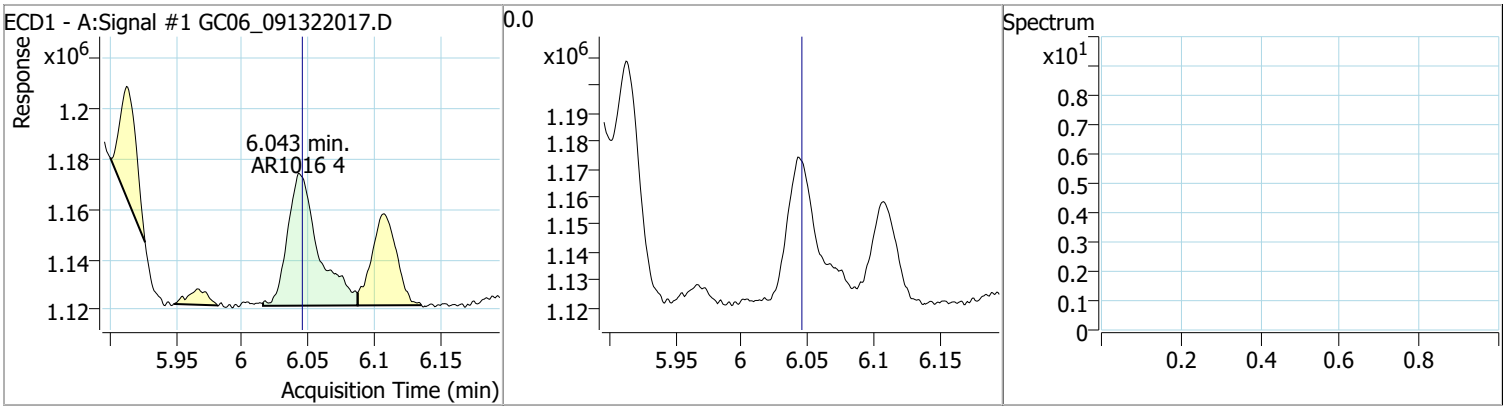
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	25.4301	5.91	0.00	113122				



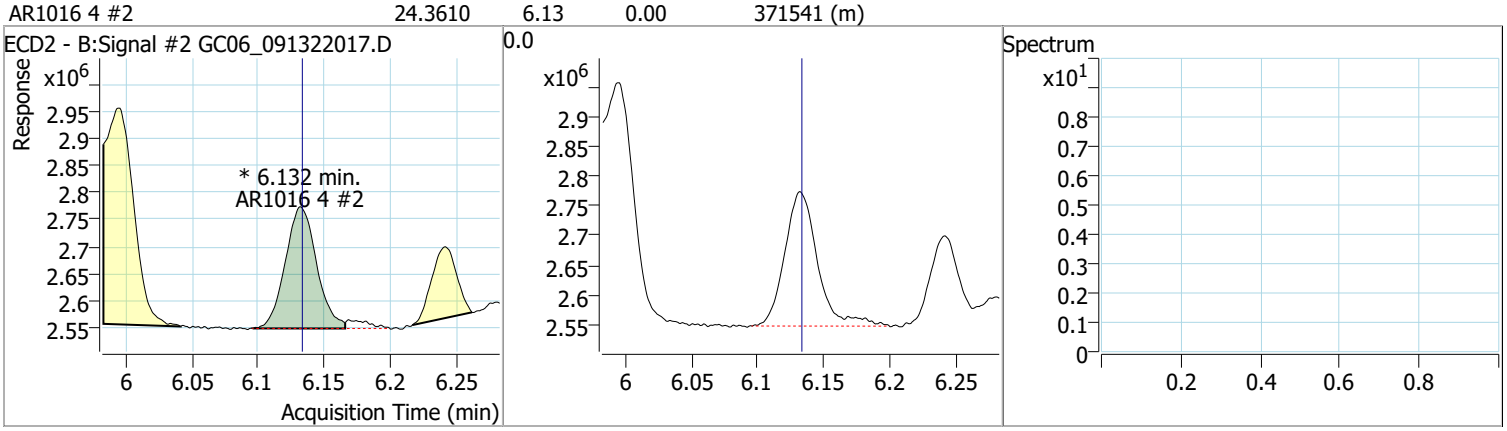
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	25.0930	6.00	0.00	579210 (m)				



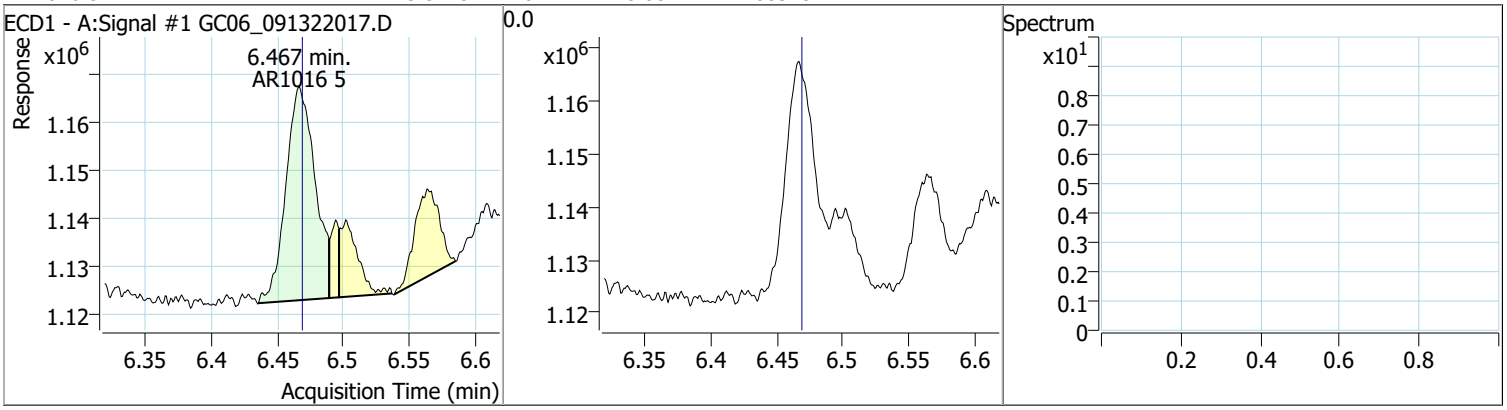
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	25.7578	6.04	0.00	86242				



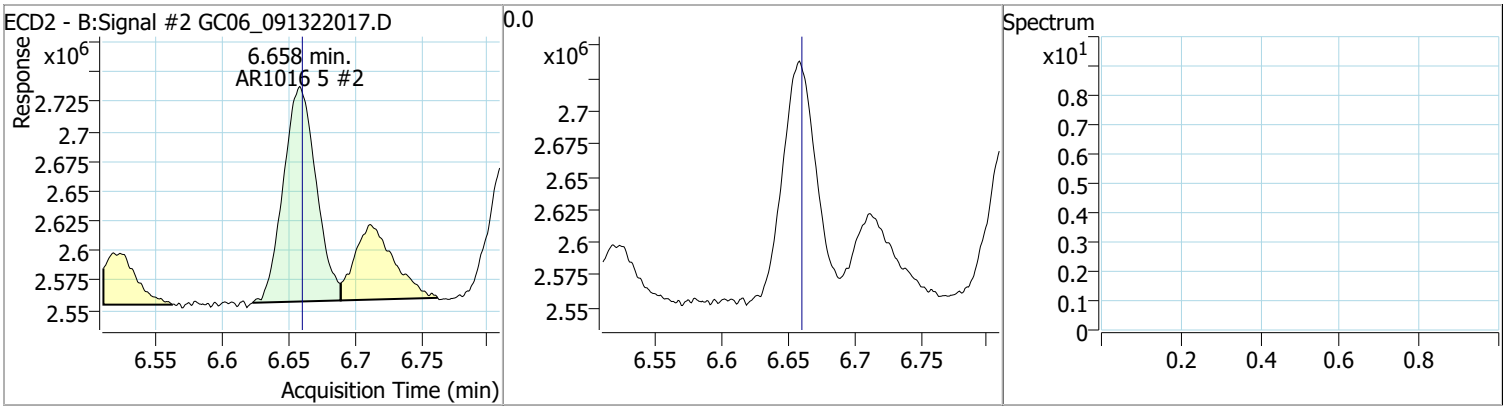
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	24.3610	6.13	0.00	371541 (m)				



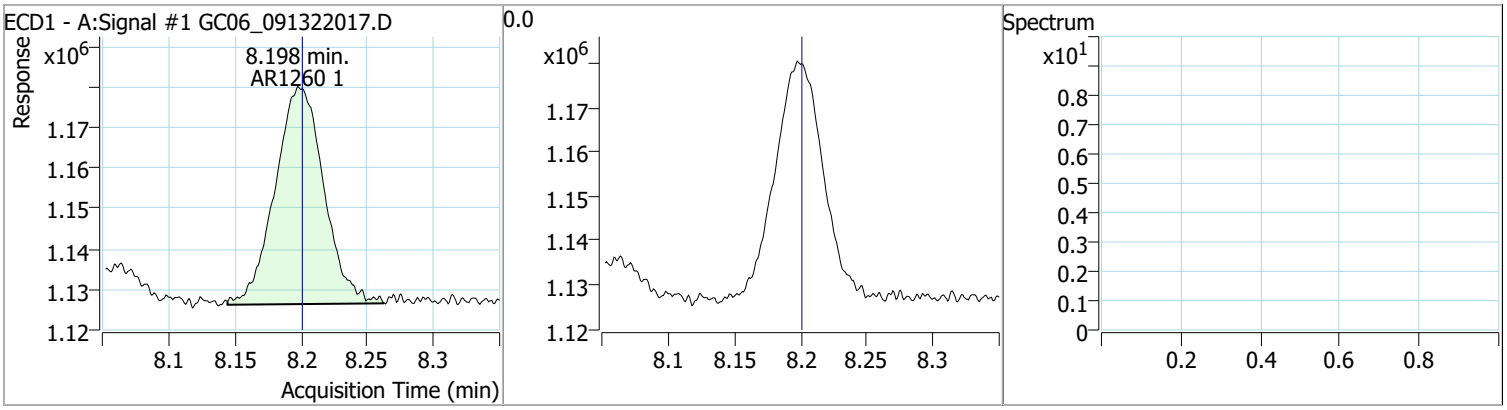
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	25.5145	6.47	0.00	68318				



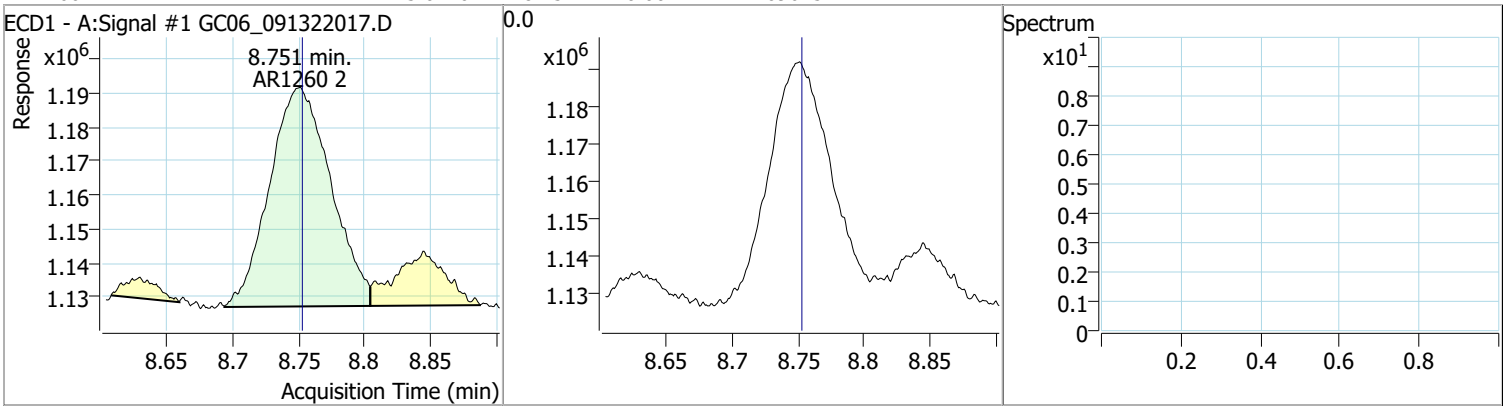
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	24.2227	6.66	0.00	311919				



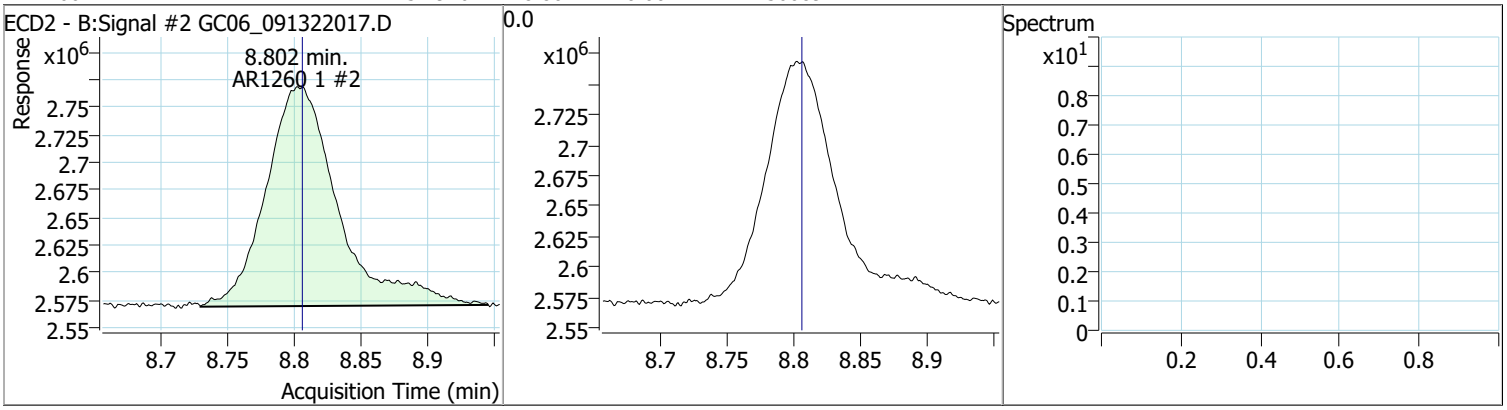
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	26.3948	8.20	0.00	139834				



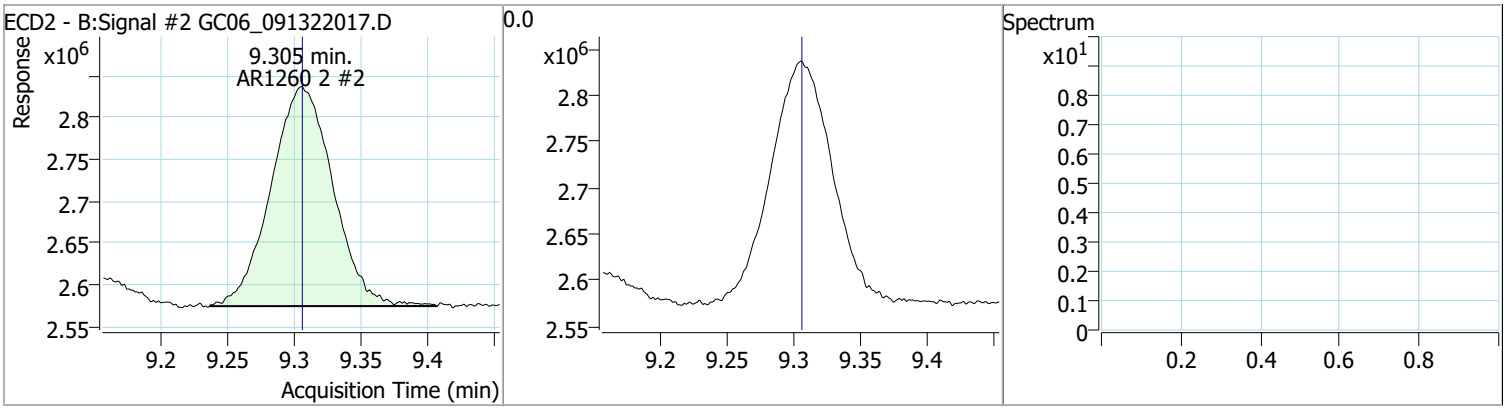
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	25.0770	8.75	0.00	209625				



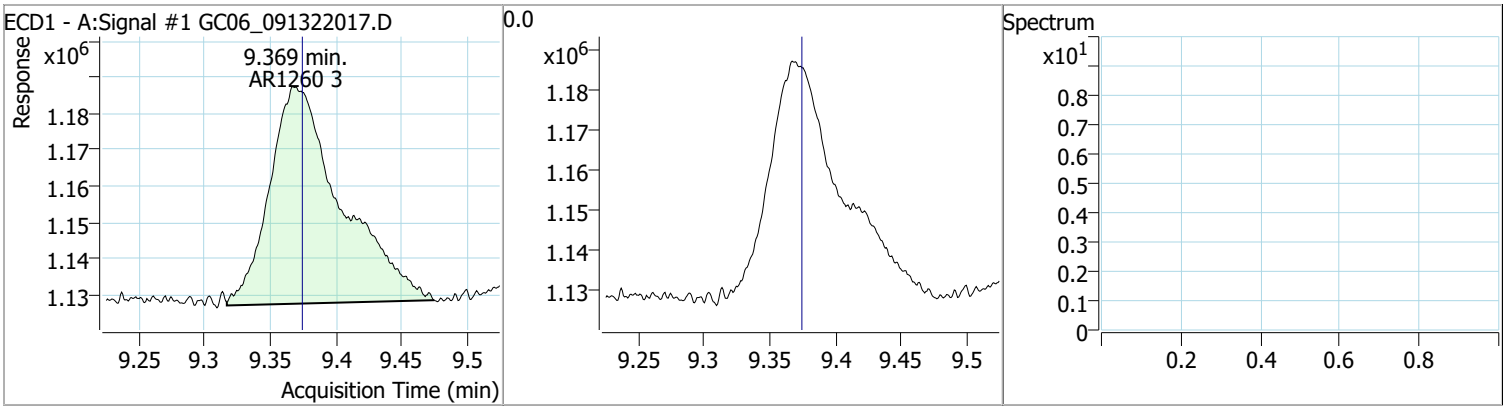
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	25.7926	8.80	0.00	756089				



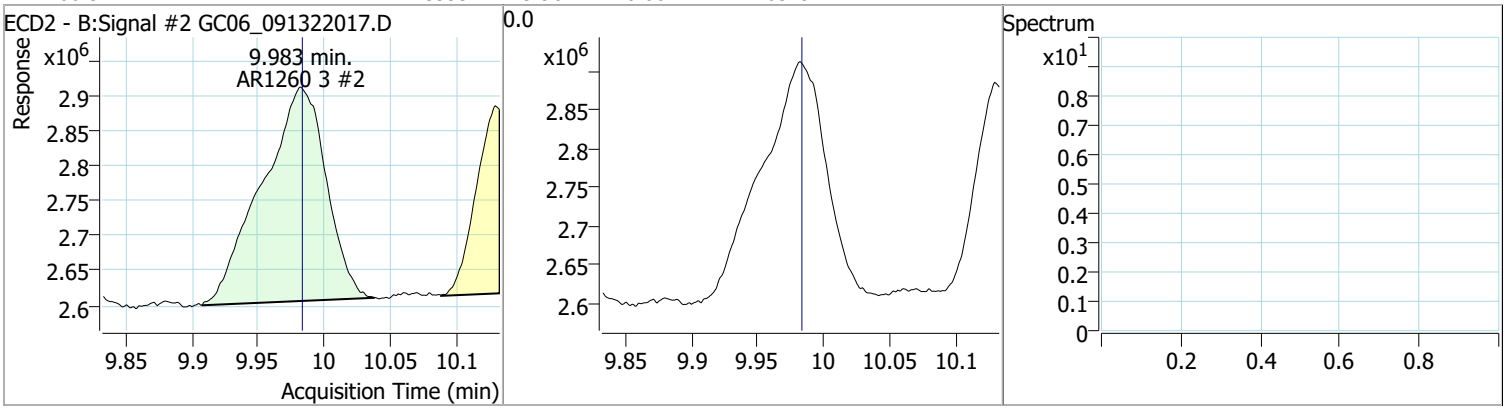
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	25.9620	9.31	0.00	854373				



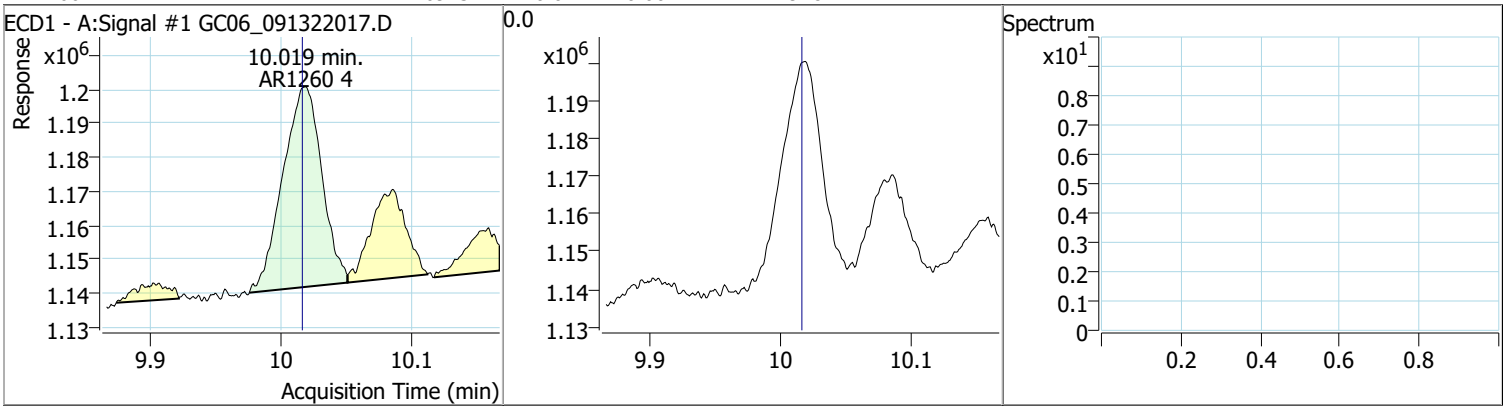
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	25.9528	9.37	-0.01	227145				



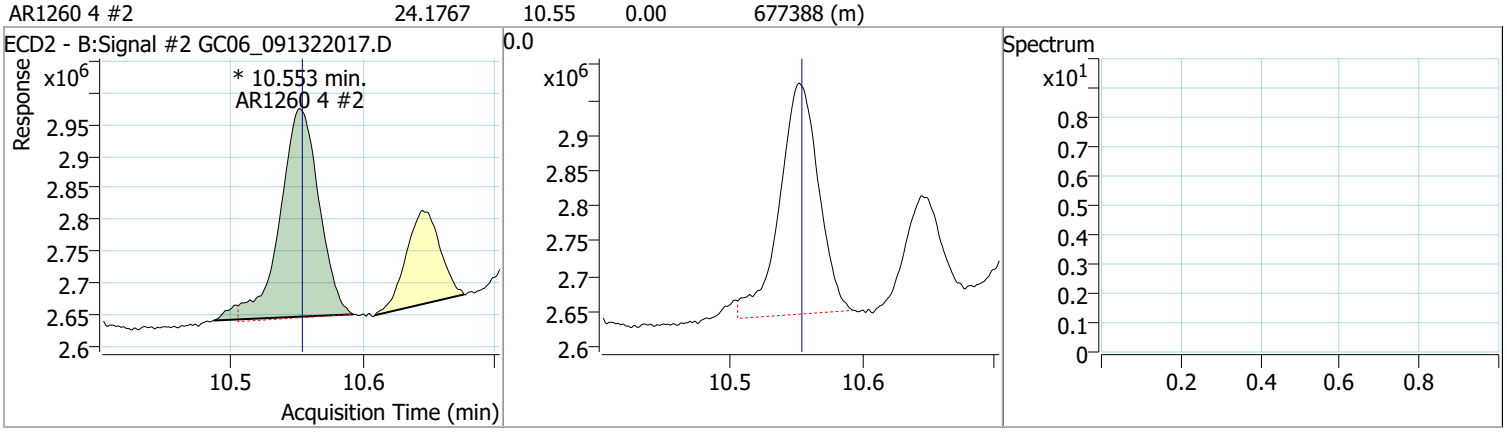
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	24.3999	9.98	0.00	1032947				



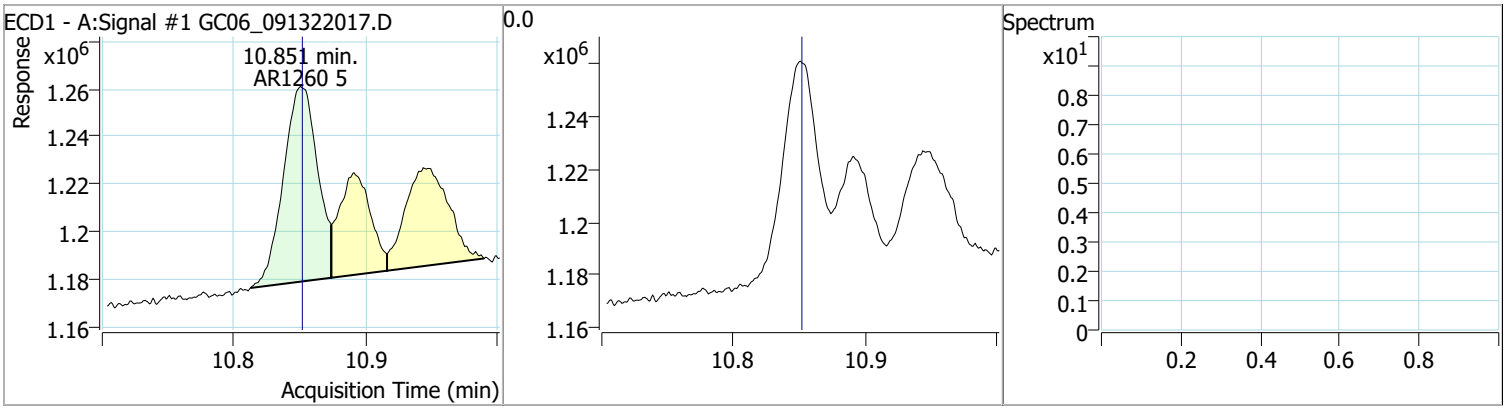
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	24.6943	10.02	0.00	121928				



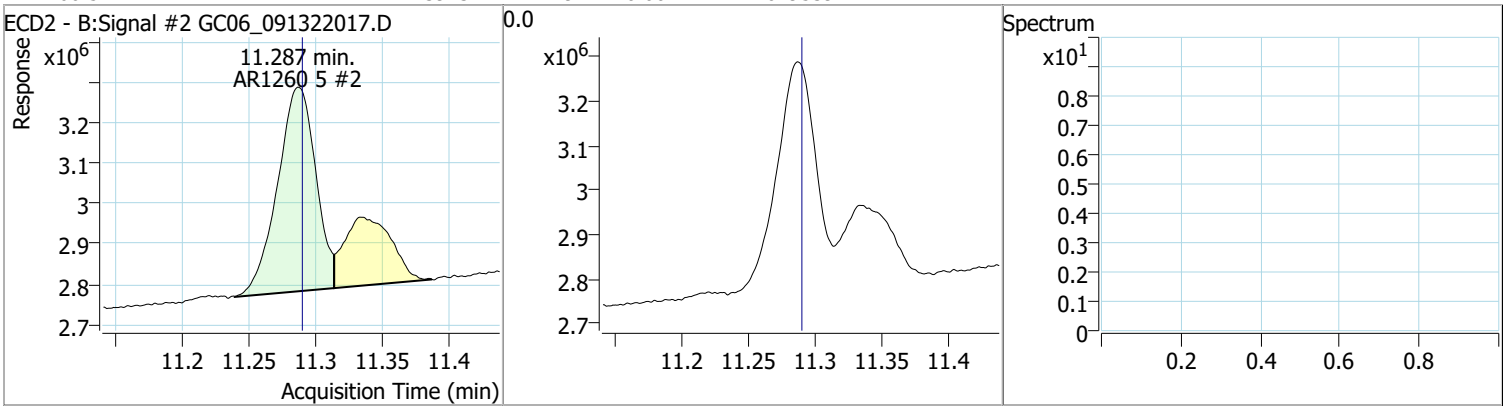
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	24.1767	10.55	0.00	677388 (m)				



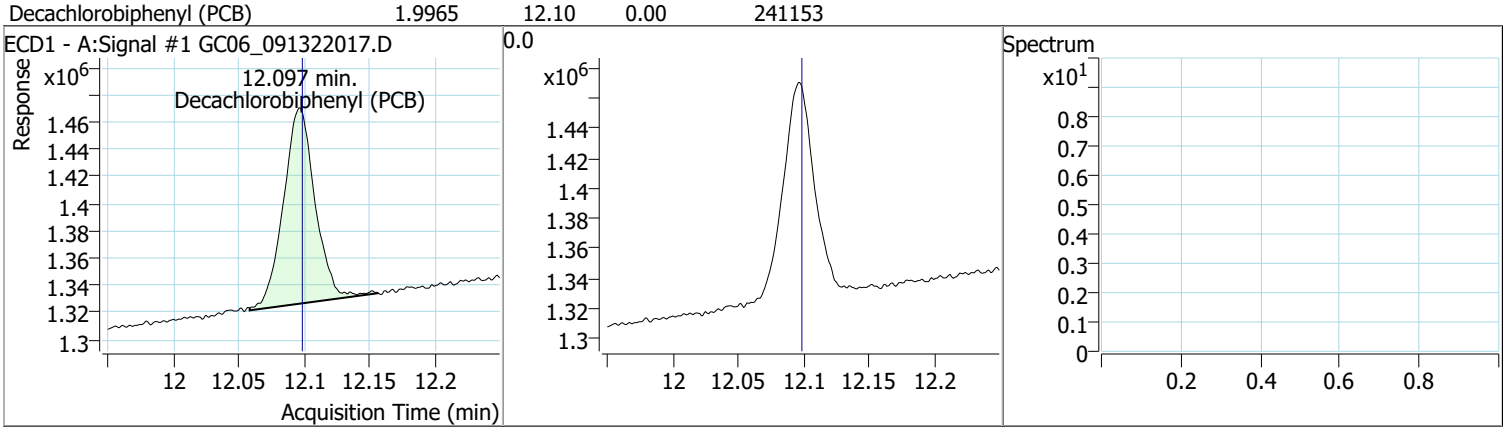
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	24.1747	10.85	0.00	147786				



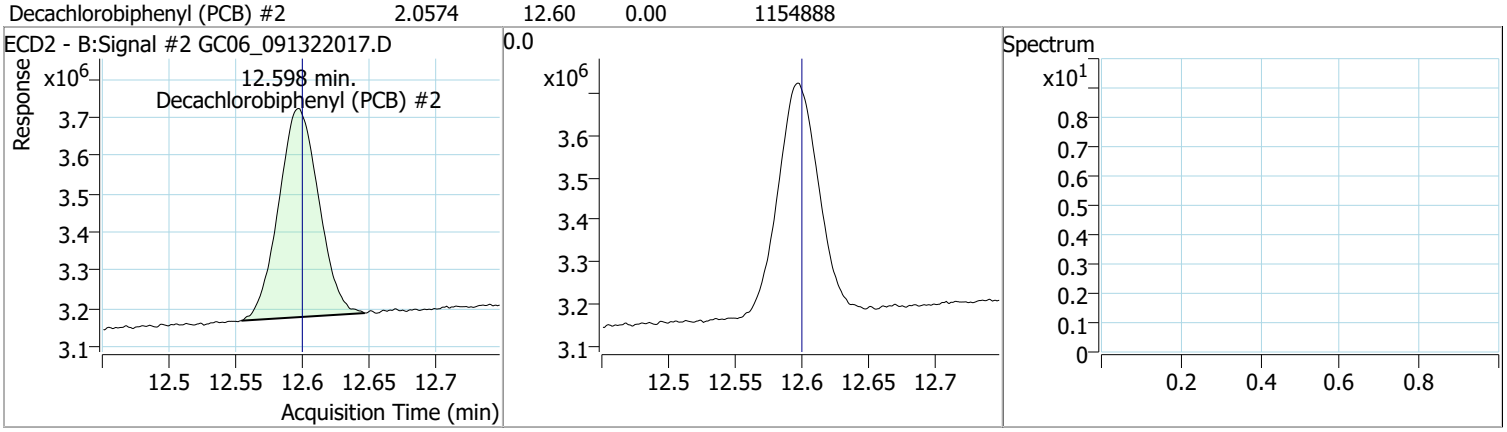
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	24.3913	11.29	0.00	1019539				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.9965	12.10	0.00	241153				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.0574	12.60	0.00	1154888				



GC07 ICAL Low Point

Quantitation Results Report (Not Reviewed)

Agilent

Data File	GC07_101722027.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	10/17/2022 6:17:47 PM
Sample Name	ICAL, S17263	Instrument	SVOA-GC07
Vial	11	Multiplier	1.00
DA Method File	PCB_608_101722_GC07_1.m	Comment	20 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	101722_PCB.batch.bin	Last Calib Update	10/18/2022 7:34:38 AM
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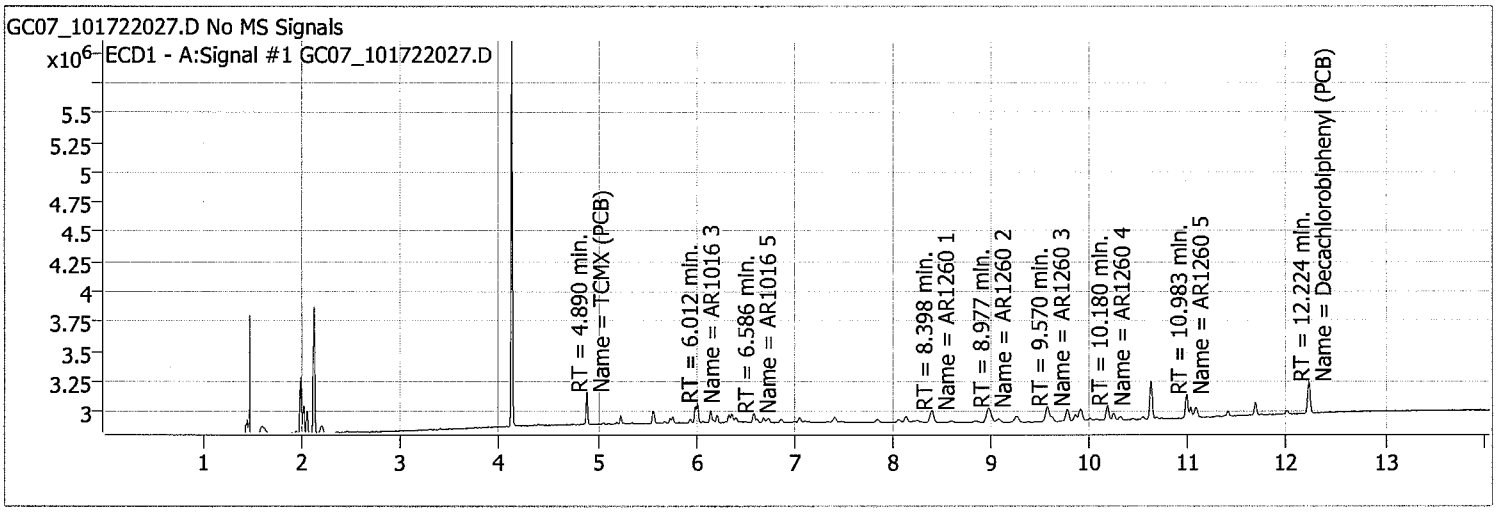
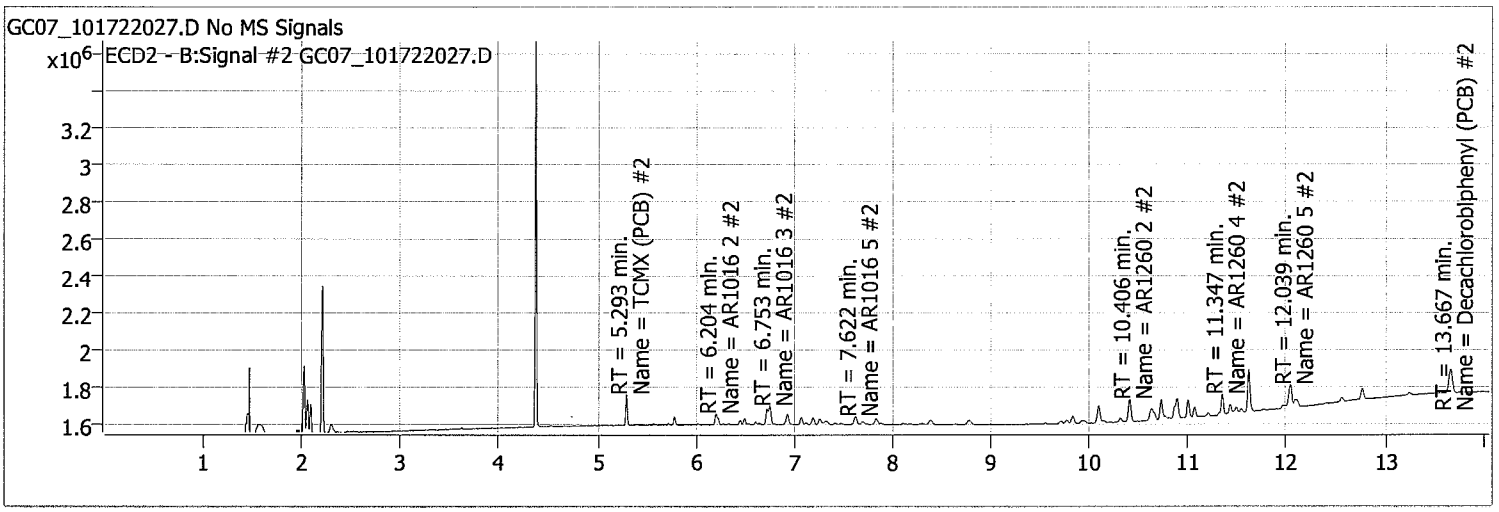




Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.126	0.0	3020688.989	20.0000	ng/ml	-0.005
M 1-bromo-2-nitrobenzene (PCB) #2	4.373	0.0	1910739.397	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.890	0.0	275491.253	1.8990	ng/ml	-0.007
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~9.50%~~ 118.7% *		
S TCMX (PCB) #2	5.293	0.0	187519.341	2.0121	ng/ml	-0.002
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~10.06%~~ 125.8% *		
S Decachlorobiphenyl (PCB)	12.224	0.0	481445.638	2.2120	ng/ml	-0.014
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~11.06%~~ 138.2% *		
S Decachlorobiphenyl (PCB) #2	13.667	0.0	325419.869	2.2637	ng/ml	-0.009
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~11.32%~~ 141.5% *		
Target Compounds						QValue
T AR1016 1	5.231	0.0	80381.207	25.8565	ng/ml	100
T AR1016 2	5.560	0.0	175806.532	26.4125	ng/ml	100
T AR1016 1 #2	5.780	0.0	59373.079	27.3903	ng/ml	100

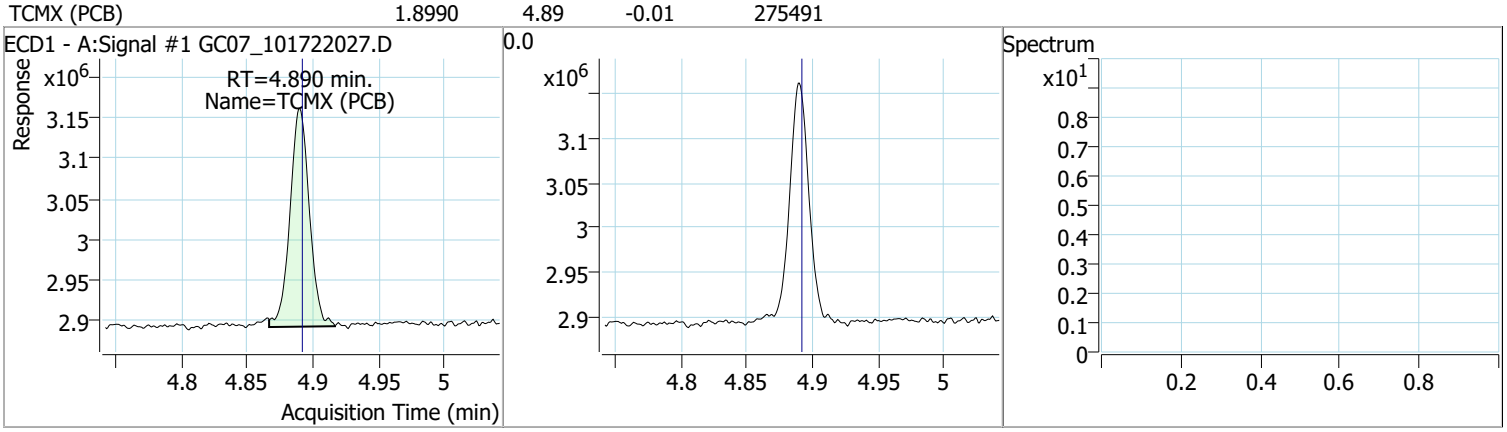
Spike = 1.6 DD 12/22/22

DD 12/22/22

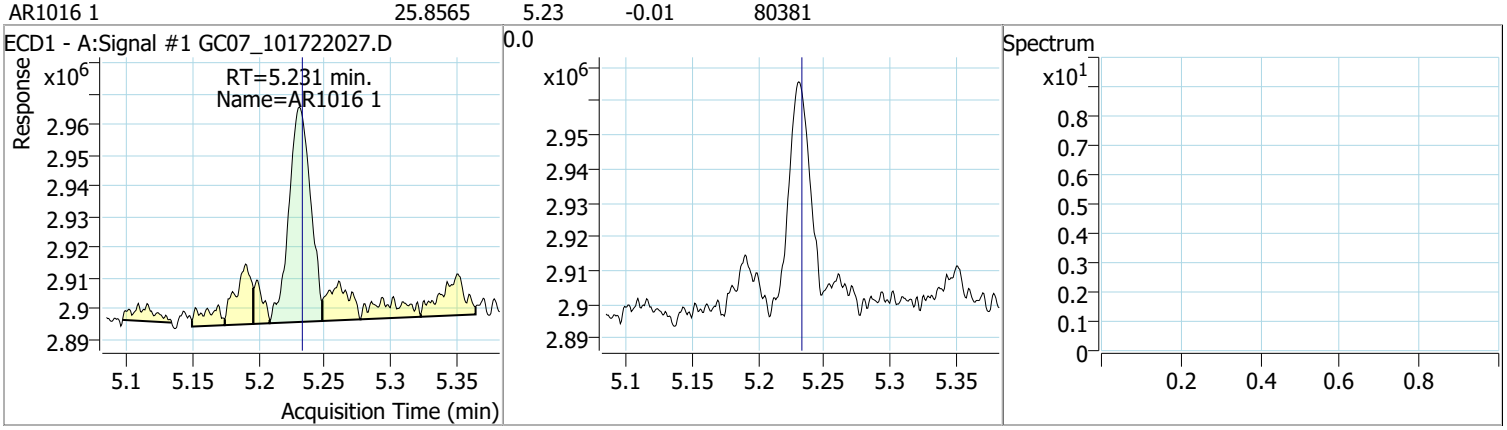
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.012	0.0	213921.232	25.7855	ng/ml		100
T AR1016 4	6.148	0.0	134404.181	22.5178	ng/ml		100
T AR1016 2 #2	6.204	0.0	126062.411	27.7372	ng/ml		100
T AR1016 5	6.586	0.0	124453.263	25.2211	ng/ml		100
T AR1016 3 #2	6.753	0.0	183123.656	13.5419	ng/ml		100
T AR1016 4 #2	6.930	0.0	116911.621	28.4802	ng/ml		100
T AR1016 5 #2	7.622	0.0	86844.775	25.9439	ng/ml	m	100
T AR1260 1	8.398	0.0	271686.574	26.8673	ng/ml		100
T AR1260 2	8.977	0.0	402195.304	26.2328	ng/ml		100
T AR1260 3	9.570	0.0	420313.899	25.8376	ng/ml		100
T AR1260 1 #2	10.096	0.0	192403.686	11.7546	ng/ml		100
T AR1260 4	10.180	0.0	229062.027	24.9662	ng/ml		100
T AR1260 2 #2	10.406	0.0	239797.316	11.7396	ng/ml		100
T AR1260 3 #2	10.889	0.0	284999.605	28.3968	ng/ml		100
T AR1260 5	10.983	0.0	357682.345	22.4344	ng/ml		100
T AR1260 4 #2	11.347	0.0	186436.120	9.1100	ng/ml		100
T AR1260 5 #2	12.039	0.0	295886.100	28.9400	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

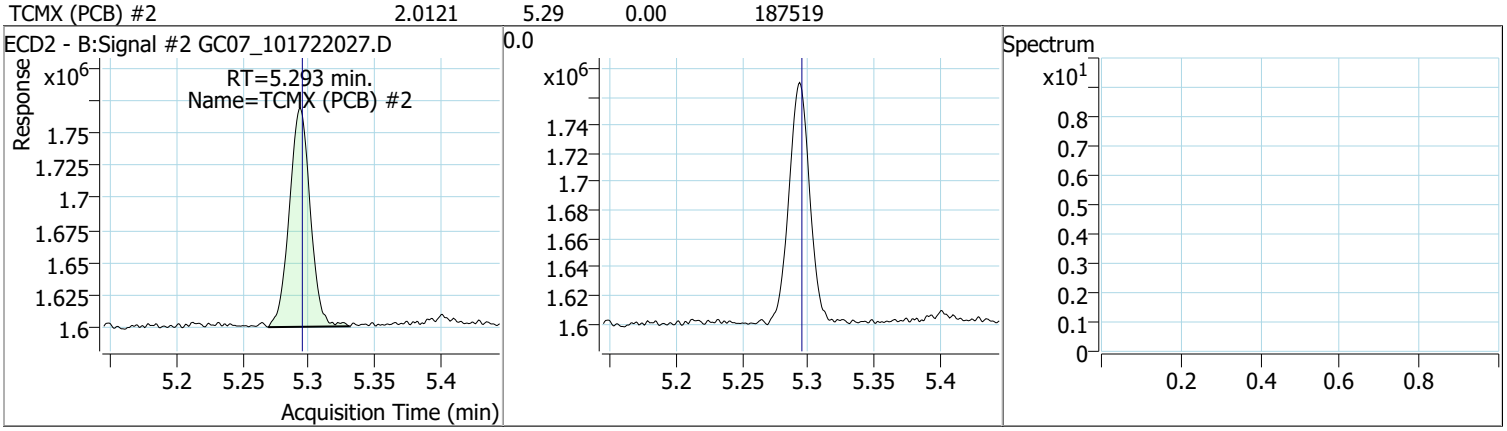
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.8990	4.89	-0.01	275491				



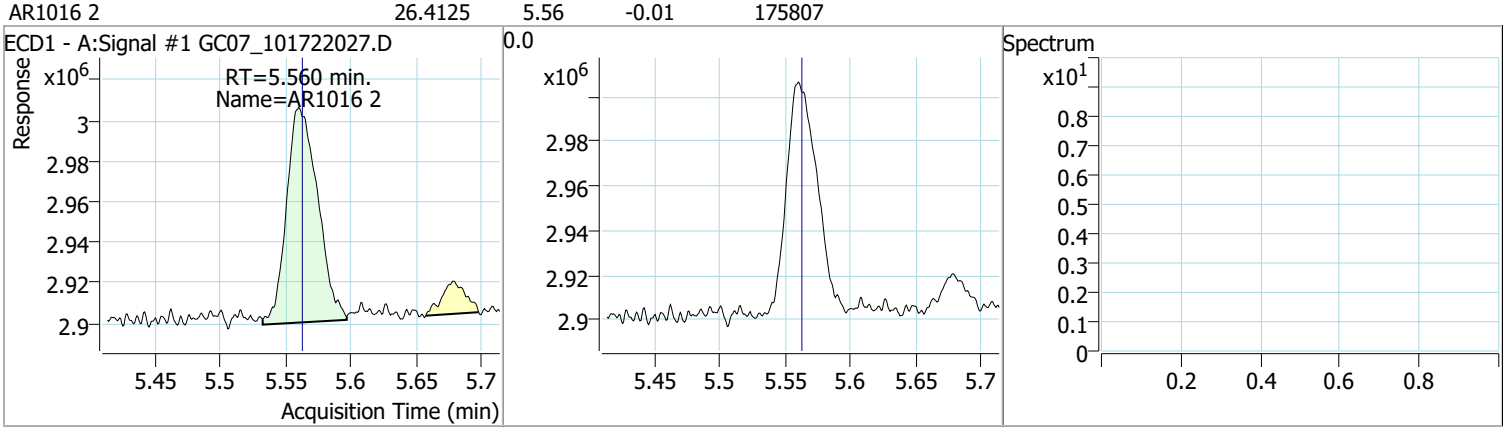
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	25.8565	5.23	-0.01	80381				



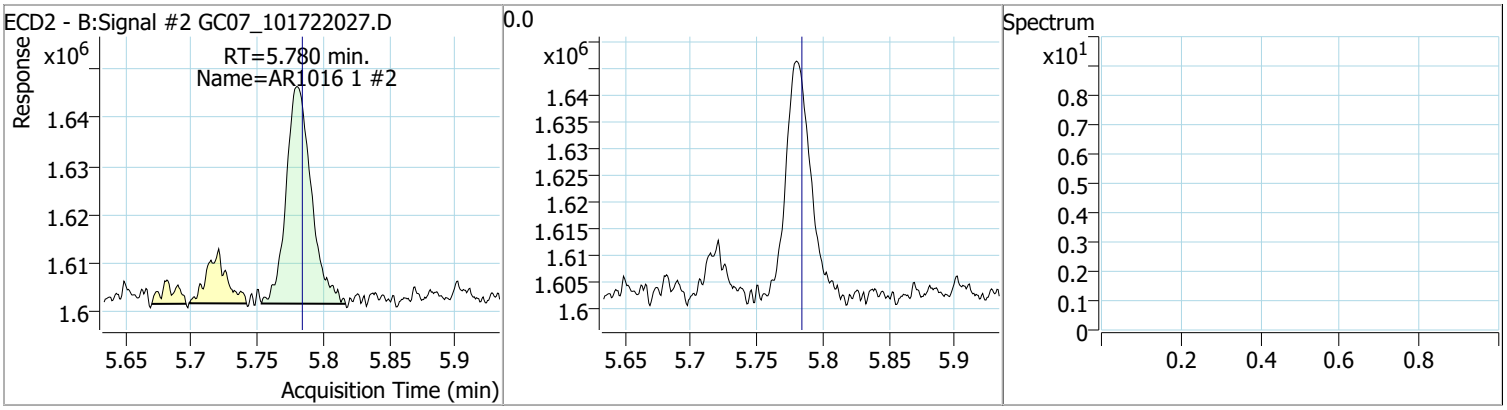
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	2.0121	5.29	0.00	187519				



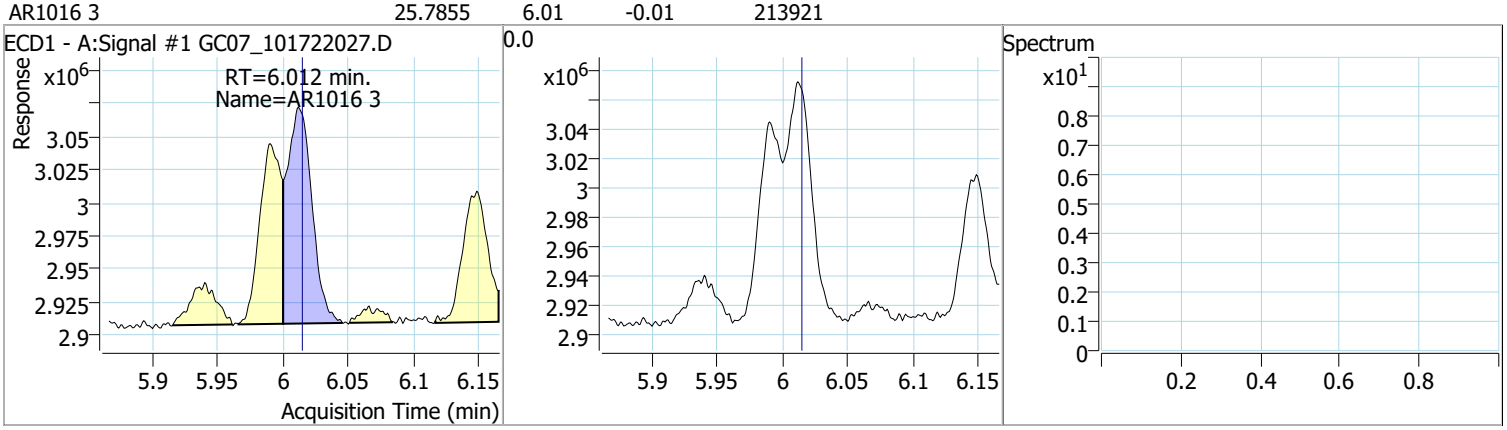
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	26.4125	5.56	-0.01	175807				



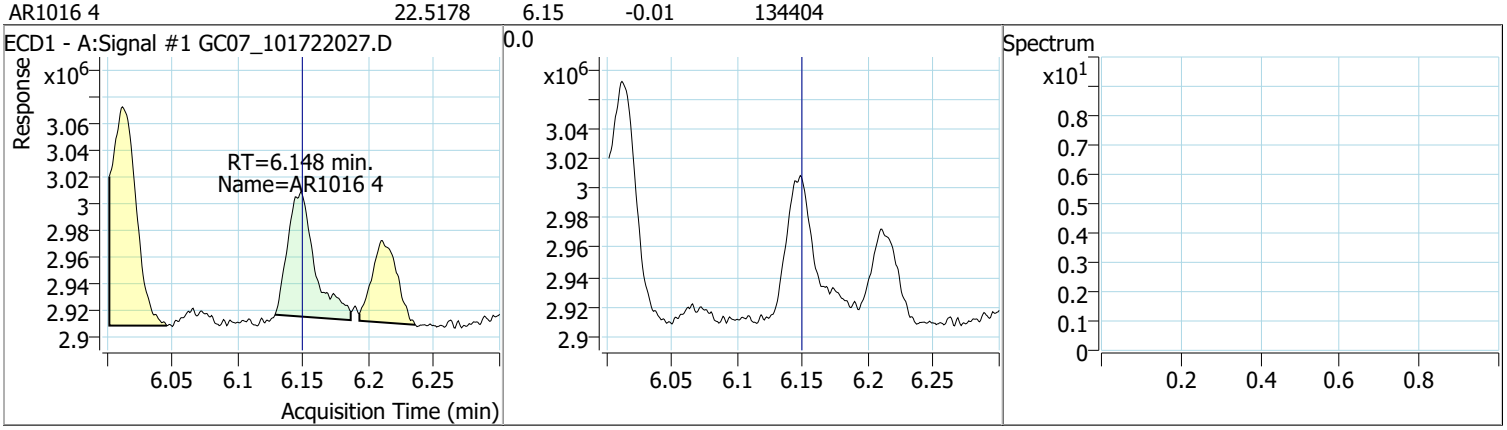
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	27.3903	5.78	0.00	59373				



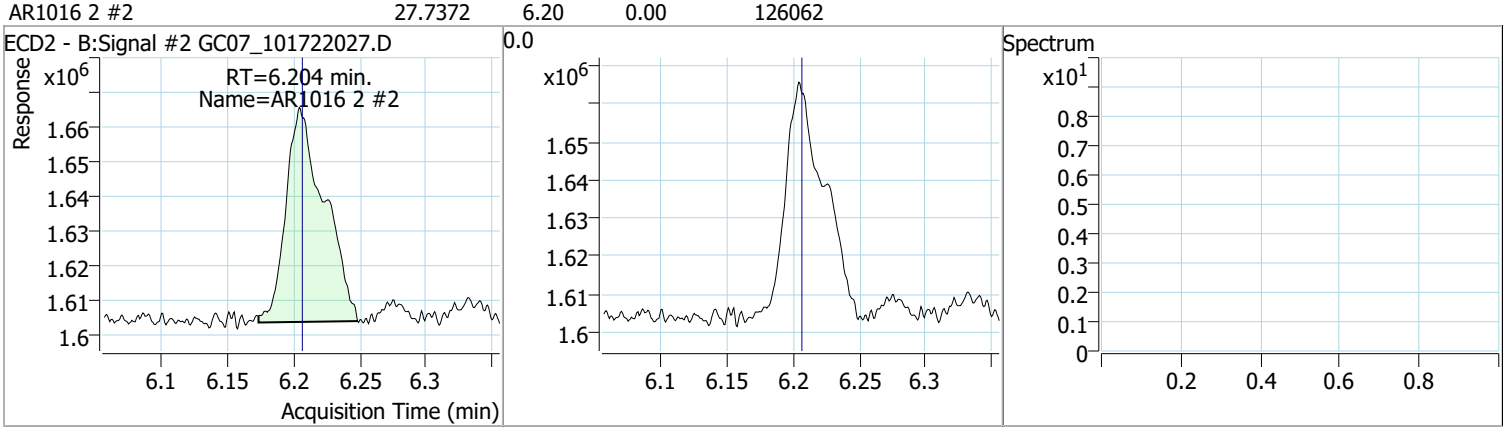
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	25.7855	6.01	-0.01	213921				



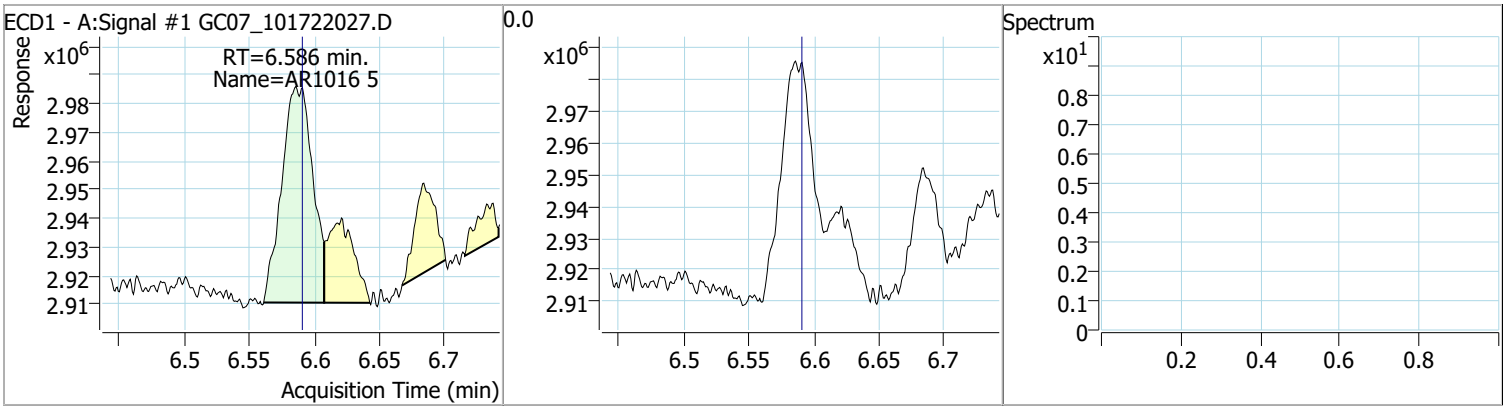
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	22.5178	6.15	-0.01	134404				



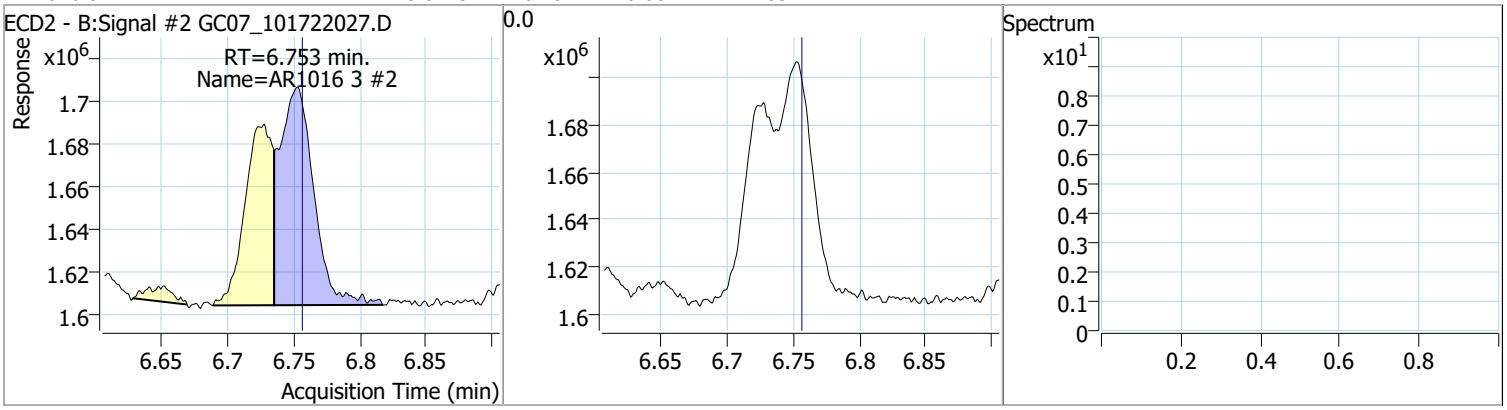
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	27.7372	6.20	0.00	126062				



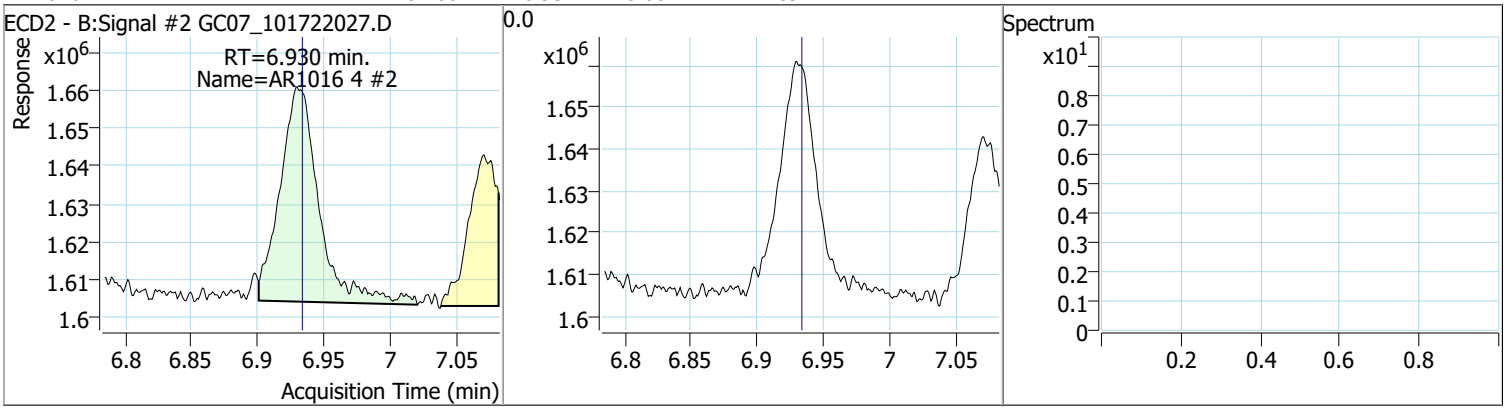
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	25.2211	6.59	-0.01	124453				



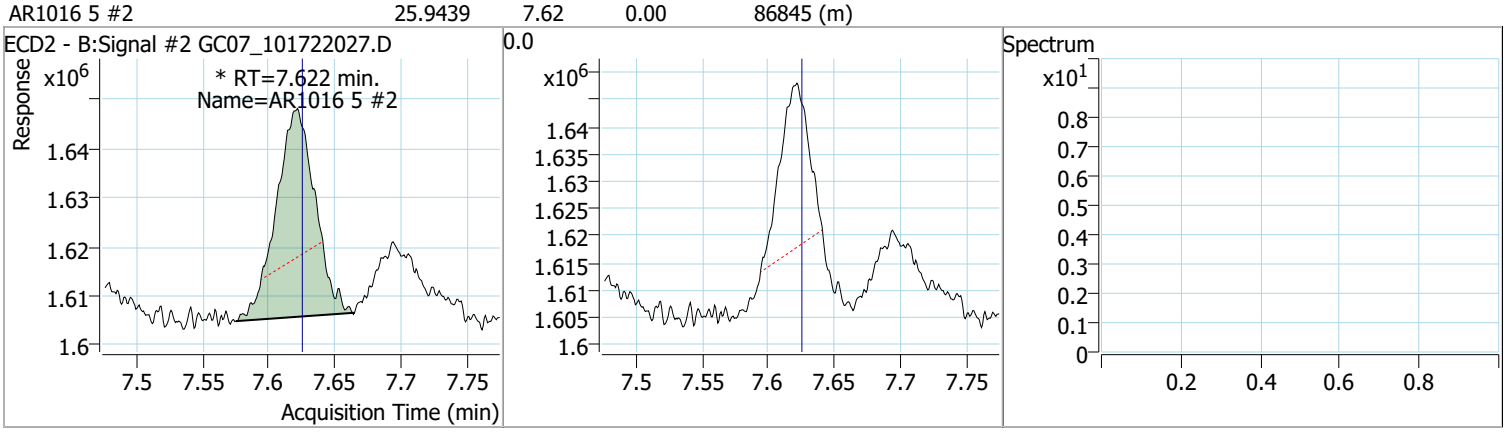
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	13.5419	6.75	0.00	183124				



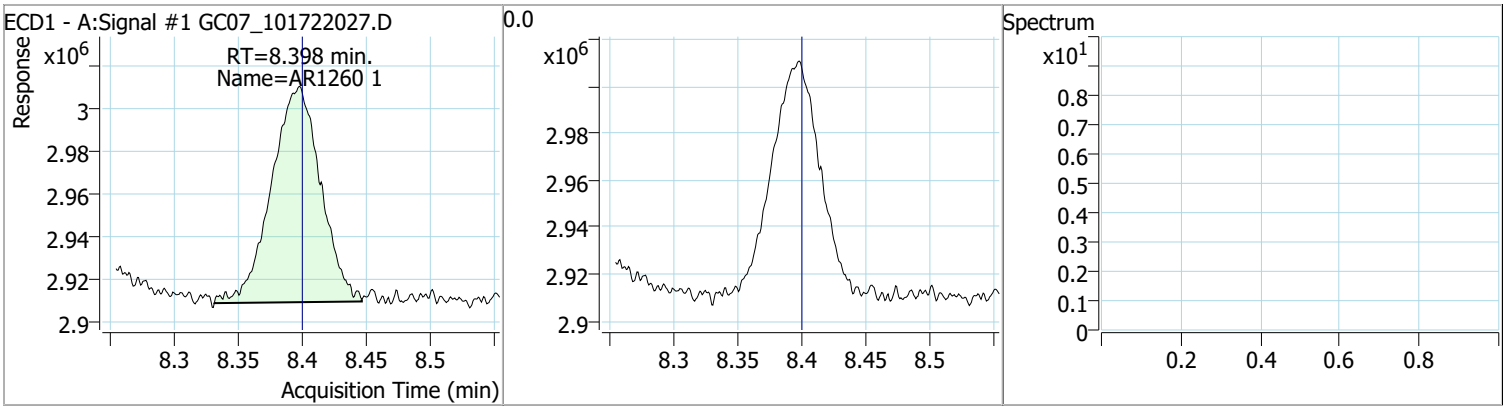
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	28.4802	6.93	0.00	116912				



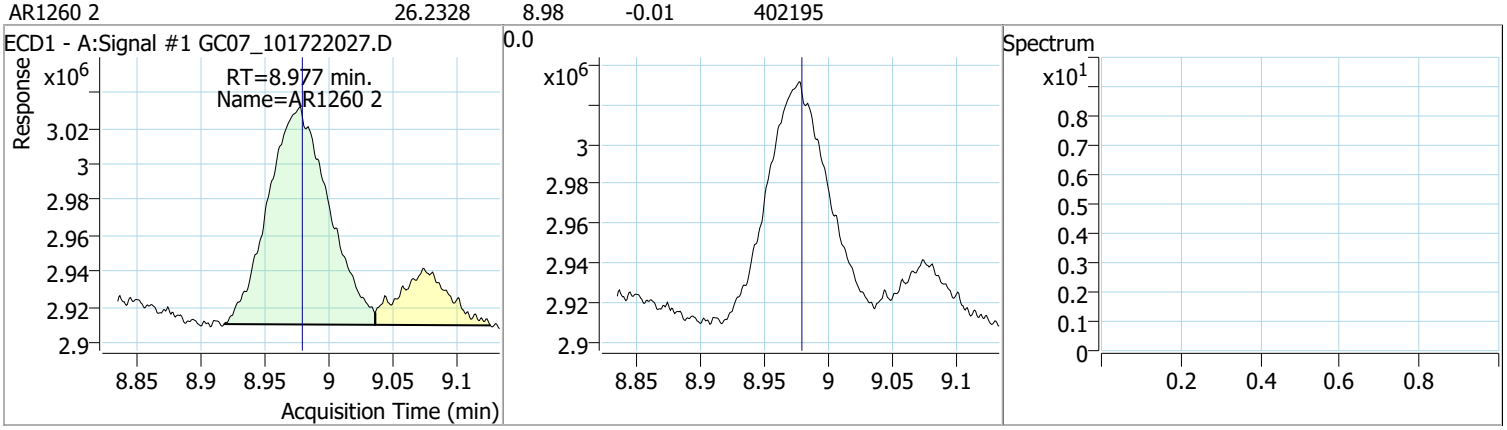
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	25.9439	7.62	0.00	86845 (m)				



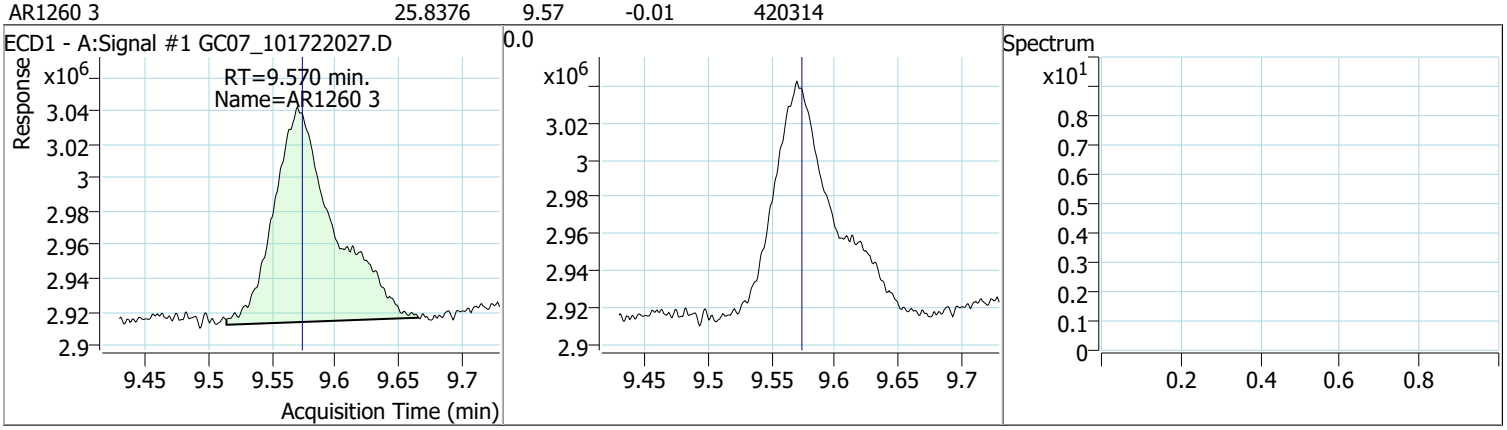
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	26.8673	8.40	-0.01	271687				



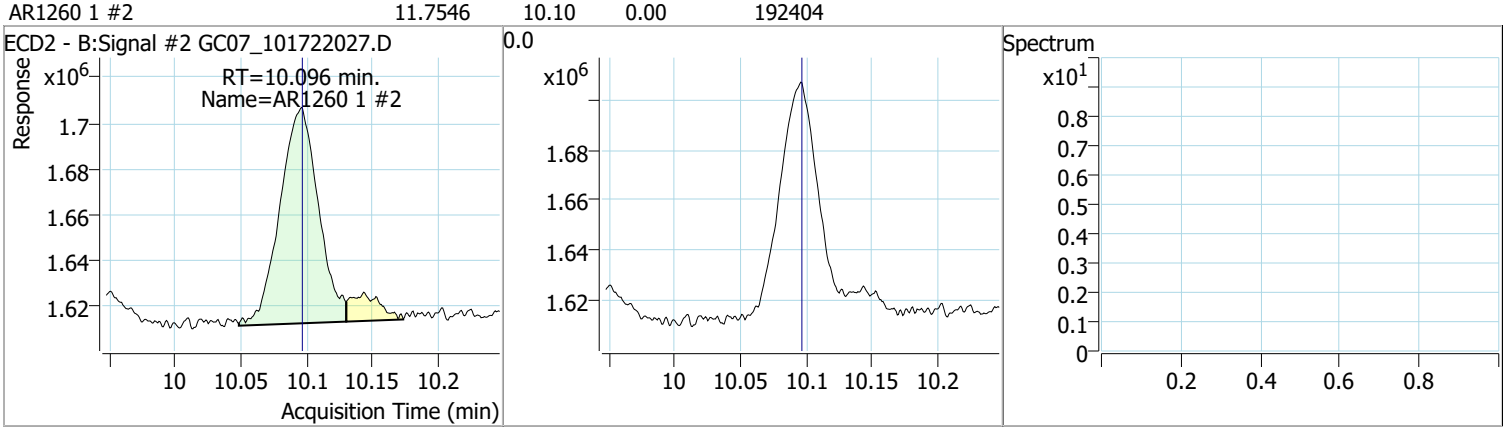
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	26.2328	8.98	-0.01	402195				



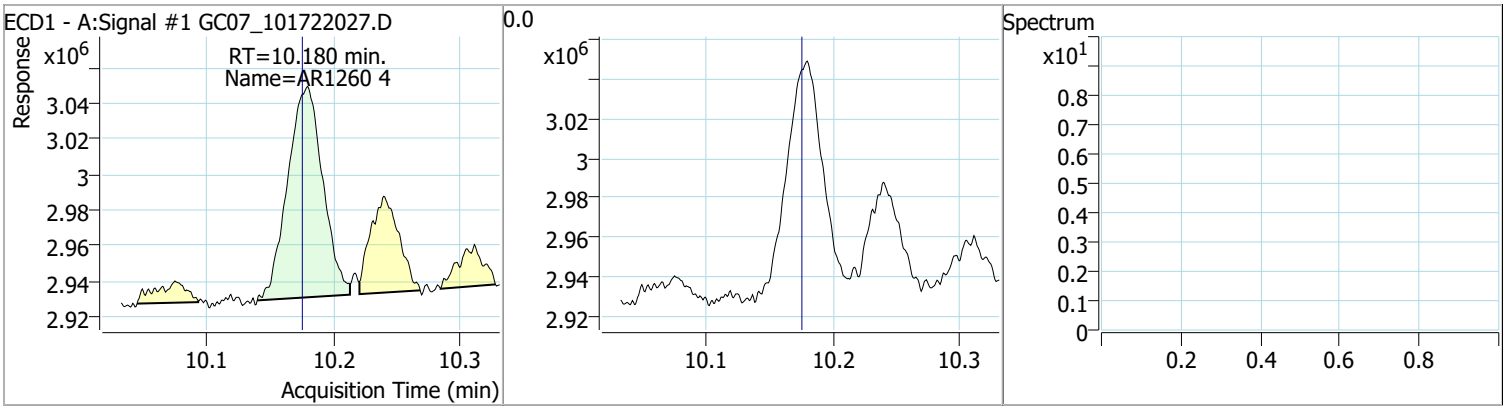
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	25.8376	9.57	-0.01	420314				



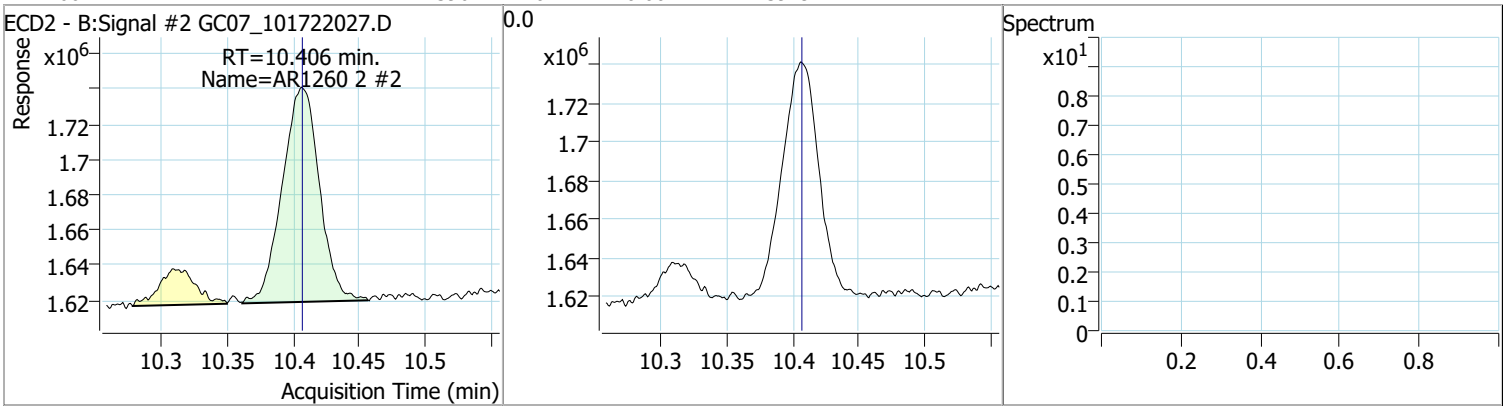
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	11.7546	10.10	0.00	192404				



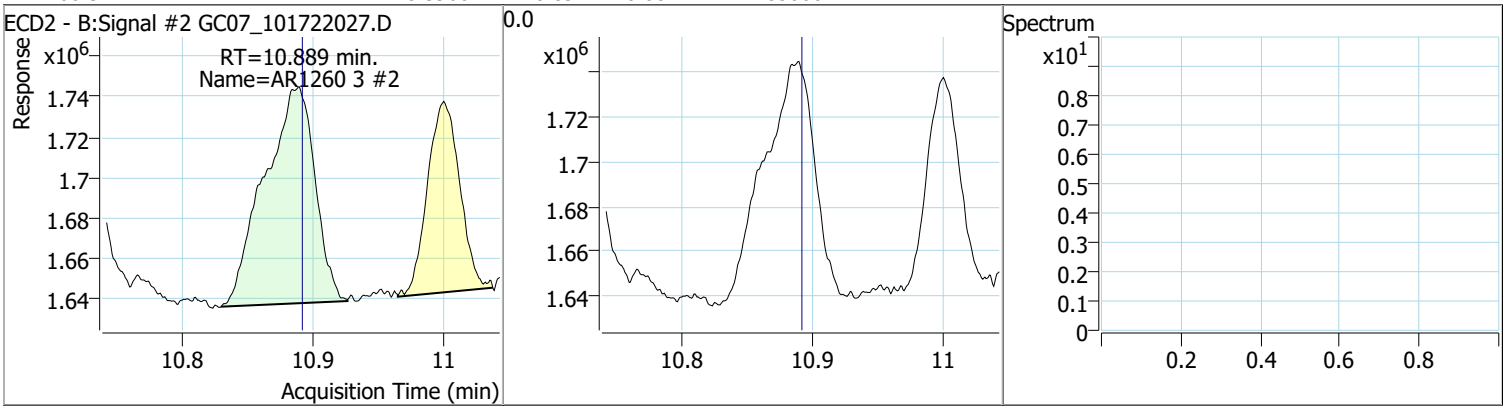
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	24.9662	10.18	-0.01	229062				



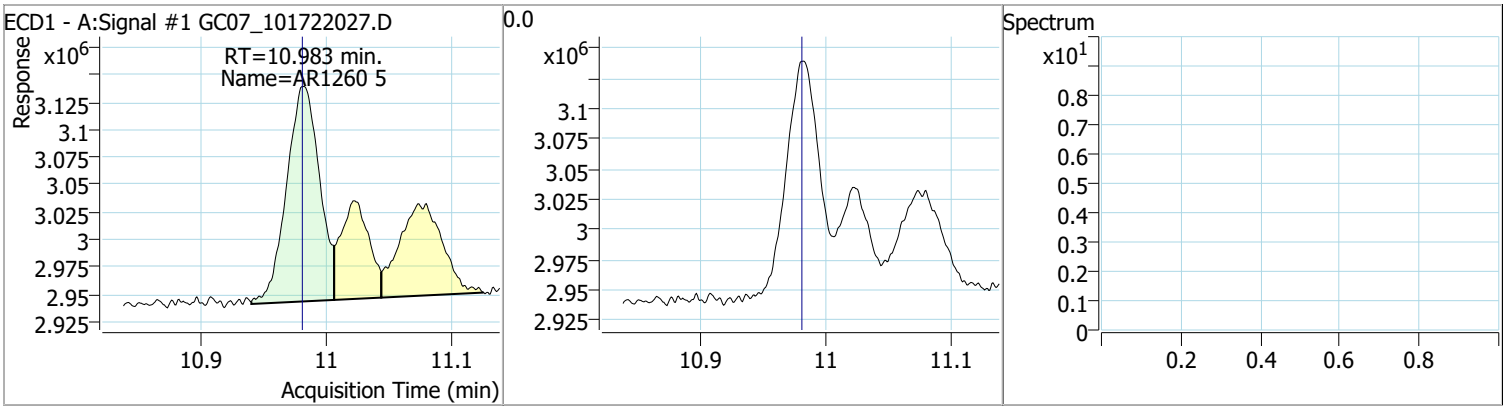
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	11.7396	10.41	0.00	239797				



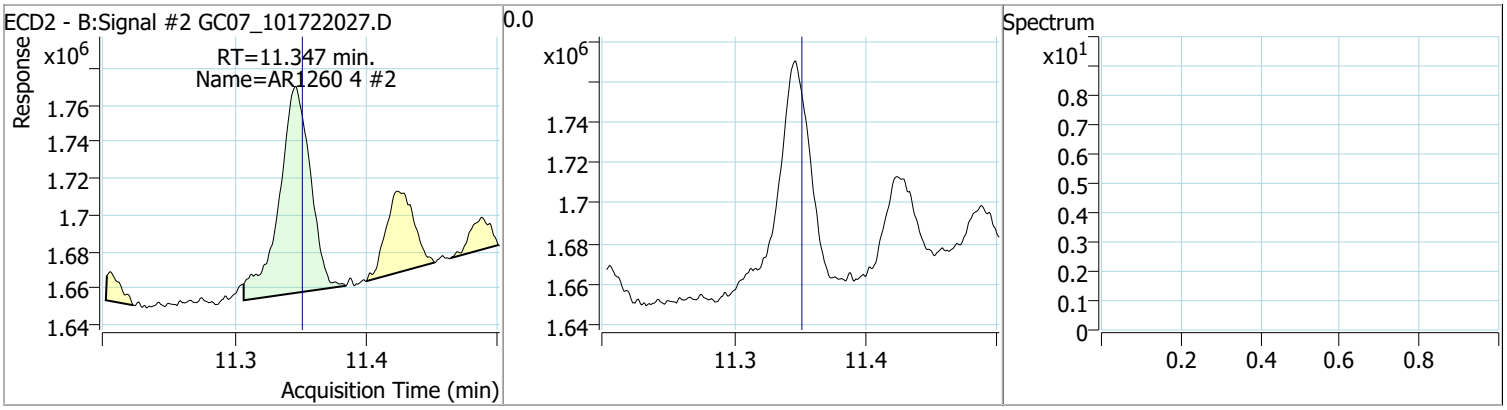
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	28.3968	10.89	0.00	285000				



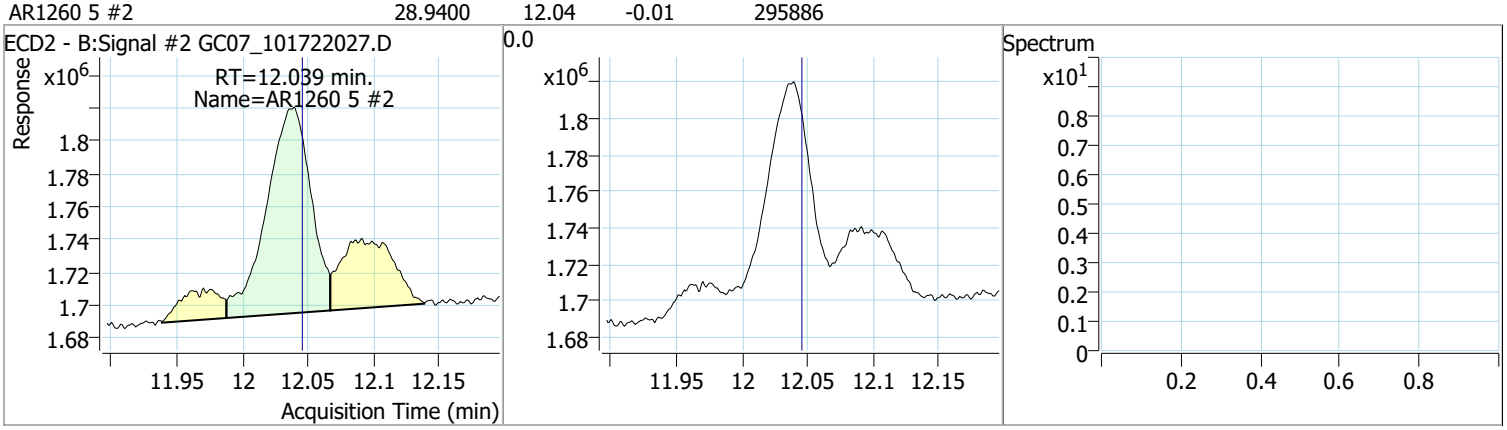
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	22.4344	10.98	-0.01	357682				



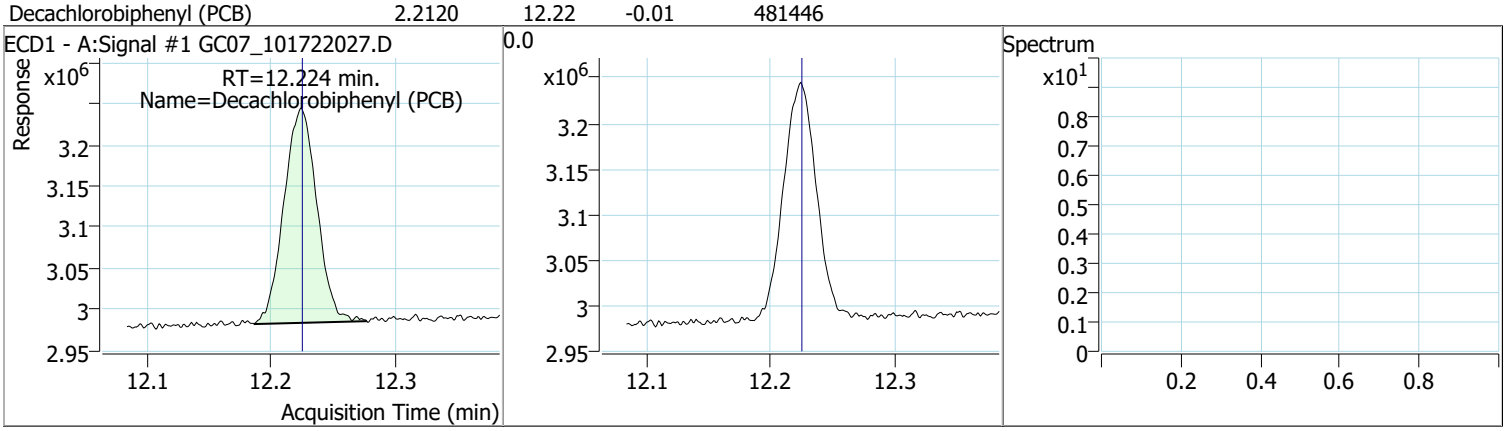
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	9.1100	11.35	-0.01	186436				



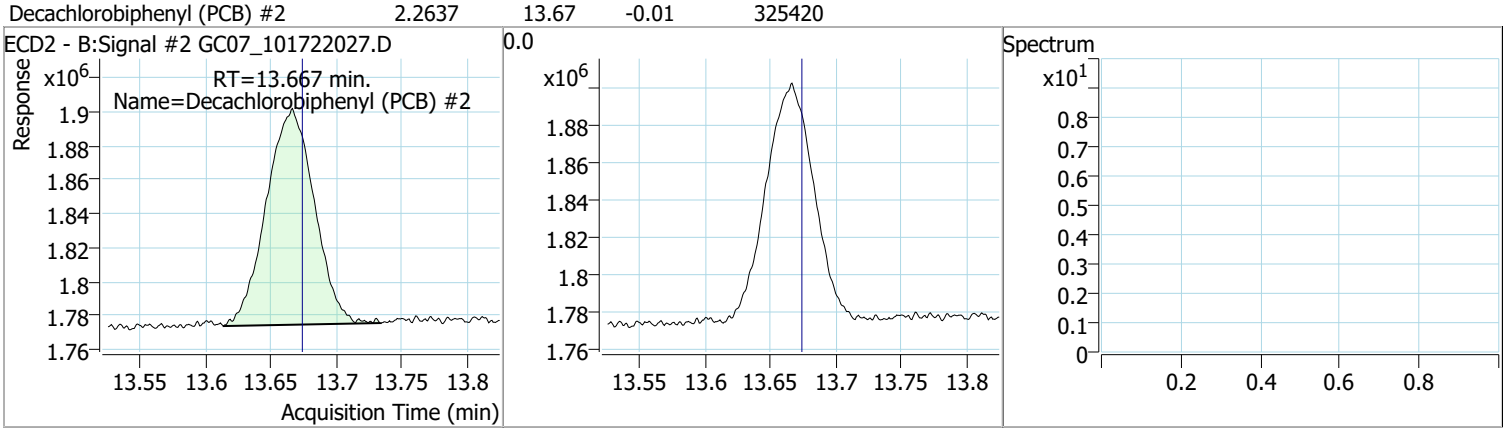
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	28.9400	12.04	-0.01	295886				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	2.2120	12.22	-0.01	481446				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.2637	13.67	-0.01	325420				

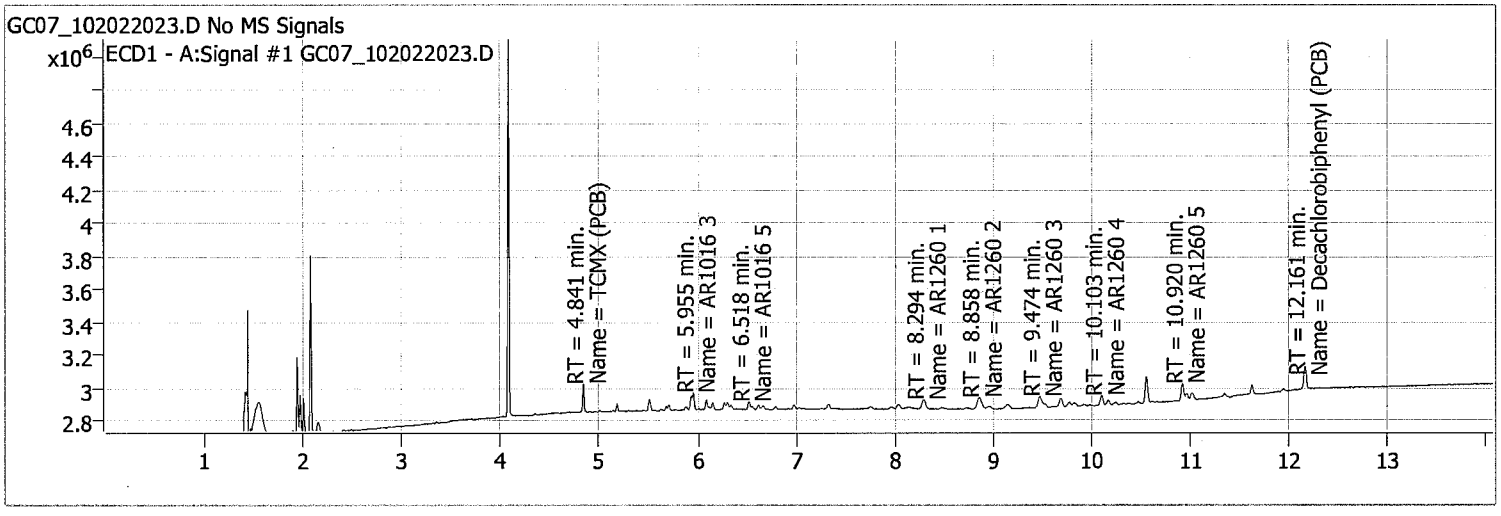


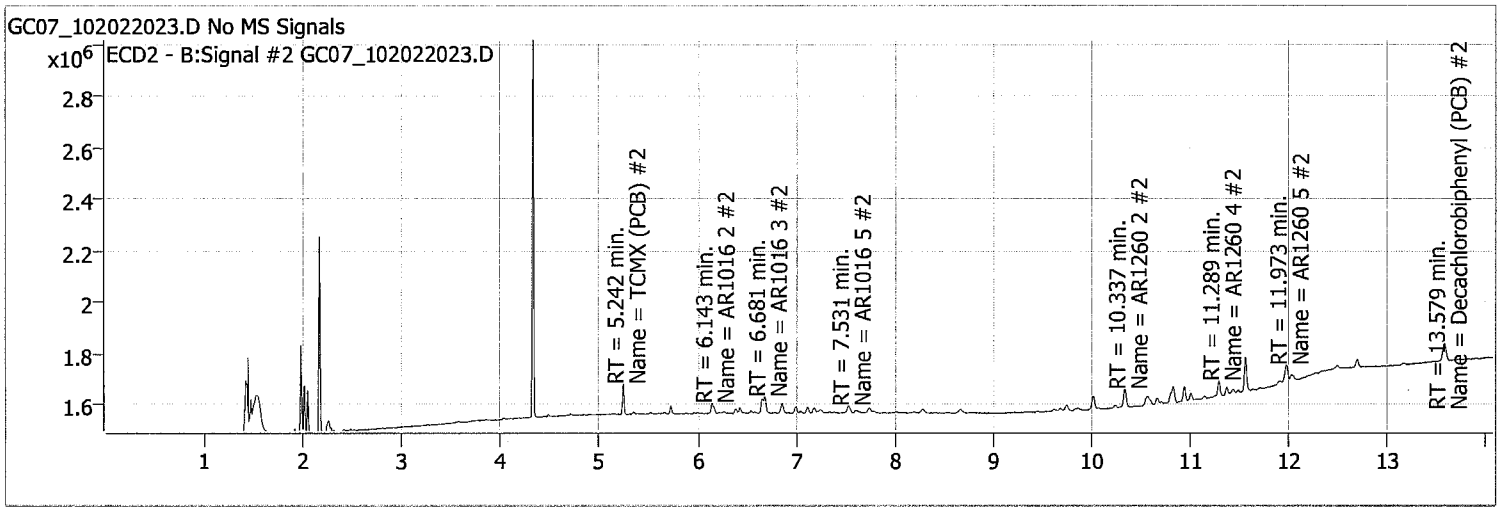
GC07 ICAL Low Point

Quantitation Results Report (Not Reviewed)

Agilent

Data File	GC07_102022023.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	10/20/2022 10:16:50 PM
Sample Name	ICAL, S17263	Instrument	SVOA-GC07
Vial	11	Multiplier	1.00
DA Method File	PCB_608_102022_GC07_1.m	Comment	20 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	102022_PCB.batch.bin	Last Calib Update	10/21/2022 7:43:29 AM
Ref Library			





Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.078	0.0	2120304.225	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.327	0.0	1351598.688	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.841	0.0	180459.943	1.8438	ng/ml	0.000
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~9.22%~~ 115.2% *		
S TCMX (PCB) #2	5.242	0.0	128875.333	2.0033	ng/ml	0.000
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~10.02%~~ 125.2% *		
S Decachlorobiphenyl (PCB)	12.161	0.0	268834.034	2.1345	ng/ml	-0.002
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~10.67%~~ 133.4% *		
S Decachlorobiphenyl (PCB) #2	13.579	0.0	176875.875	2.1231	ng/ml	0.003
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~10.62%~~ 132.7% *		
Target Compounds						QValue
T AR1016 1	5.180	0.0	56705.897	26.6129	ng/ml	100
T AR1016 2	5.508	0.0	114327.615	25.5046	ng/ml	100
T AR1016 1 #2	5.725	0.0	40839.144	27.0963	ng/ml	100

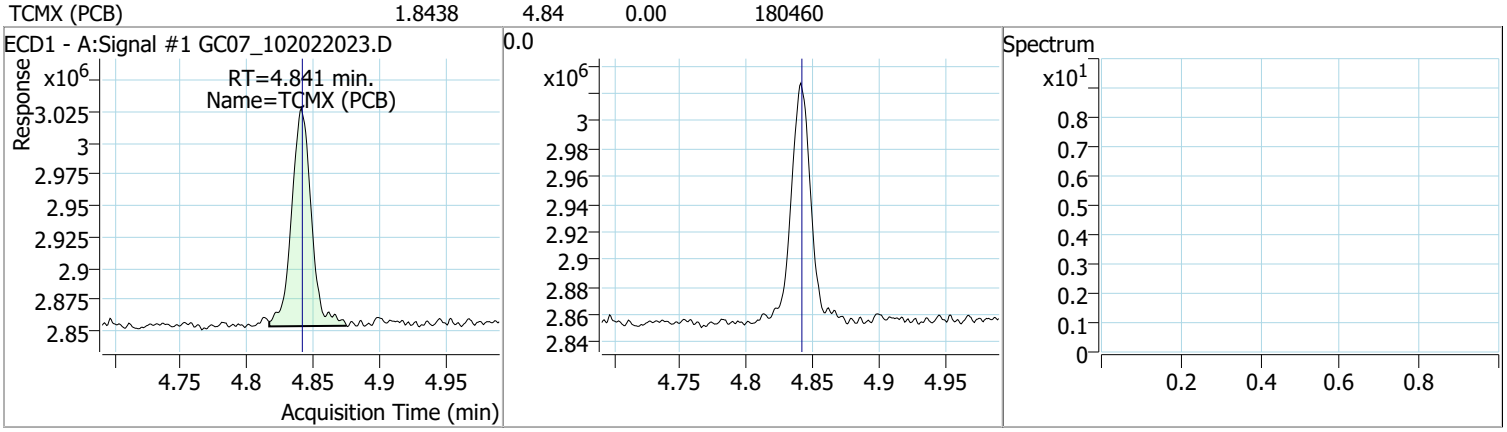
Spike = 1.6 DD 12/22/22

DD 12/22/22

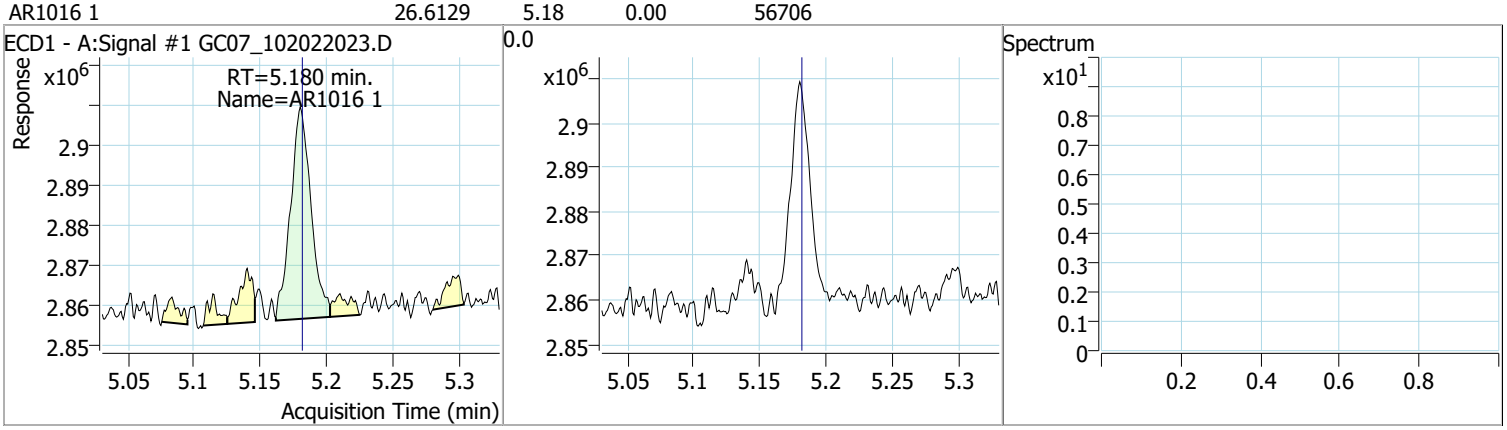
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	5.955	0.0	131066.561	24.3252	ng/ml		100
T AR1016 4	6.089	0.0	109512.466	26.8718	ng/ml	m	100
T AR1016 2 #2	6.143	0.0	84784.433	27.1208	ng/ml		100
T AR1016 5	6.518	0.0	74710.752	23.7808	ng/ml		100
T AR1016 3 #2	6.681	0.0	109882.063	29.2120	ng/ml	m	100
T AR1016 4 #2	6.857	0.0	73614.715	27.1084	ng/ml		100
T AR1016 5 #2	7.531	0.0	67234.607	29.5911	ng/ml		100
T AR1260 1	8.294	0.0	174327.075	28.0706	ng/ml		100
T AR1260 2	8.858	0.0	235743.581	25.6002	ng/ml		100
T AR1260 3	9.474	0.0	238612.354	24.9015	ng/ml		100
T AR1260 1 #2	10.021	0.0	108599.069	26.2809	ng/ml		100
T AR1260 4	10.103	0.0	126877.811	23.6542	ng/ml		100
T AR1260 2 #2	10.337	0.0	143737.177	0.0000	ng/ml		100
T AR1260 3 #2	10.824	0.0	158251.025	25.7611	ng/ml		100
T AR1260 5	10.920	0.0	198273.668	29.6228	ng/ml		100
T AR1260 4 #2	11.289	0.0	104543.861	25.8201	ng/ml		100
T AR1260 5 #2	11.973	0.0	155182.765	26.0939	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

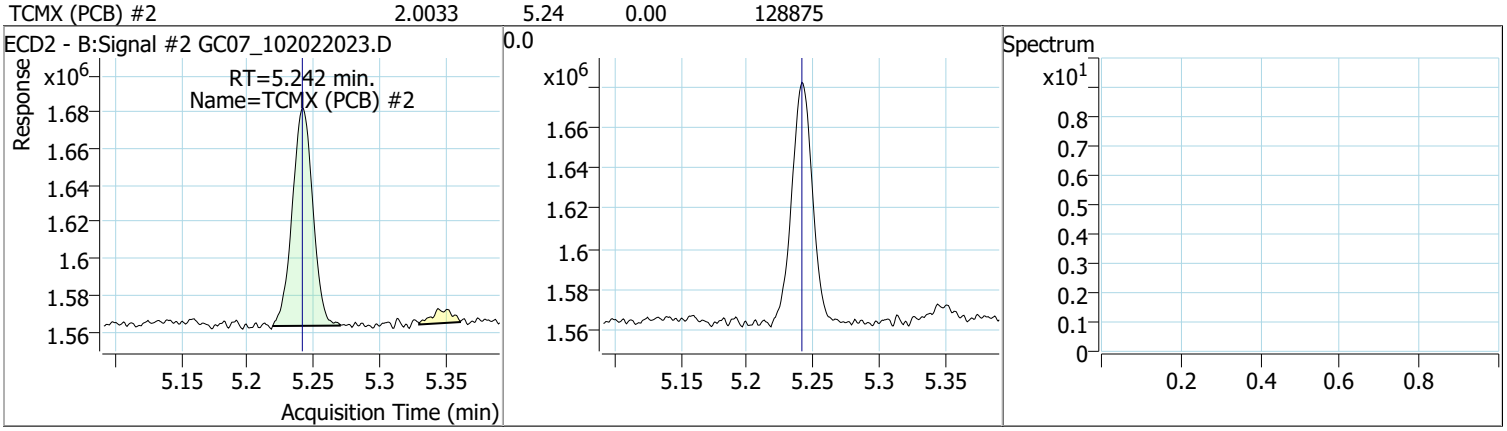
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.8438	4.84	0.00	180460				



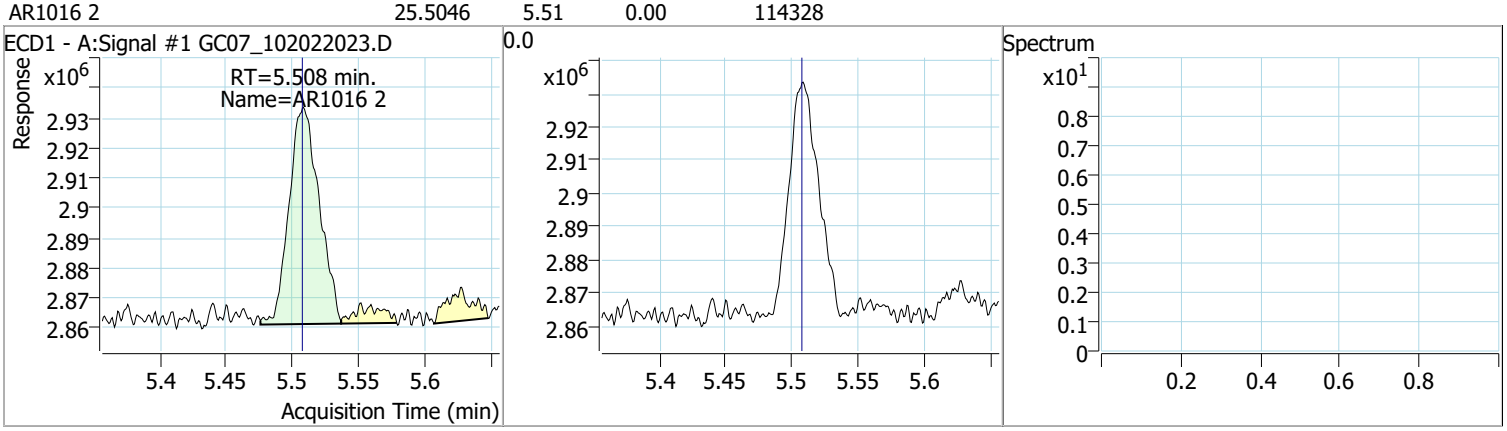
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	26.6129	5.18	0.00	56706				



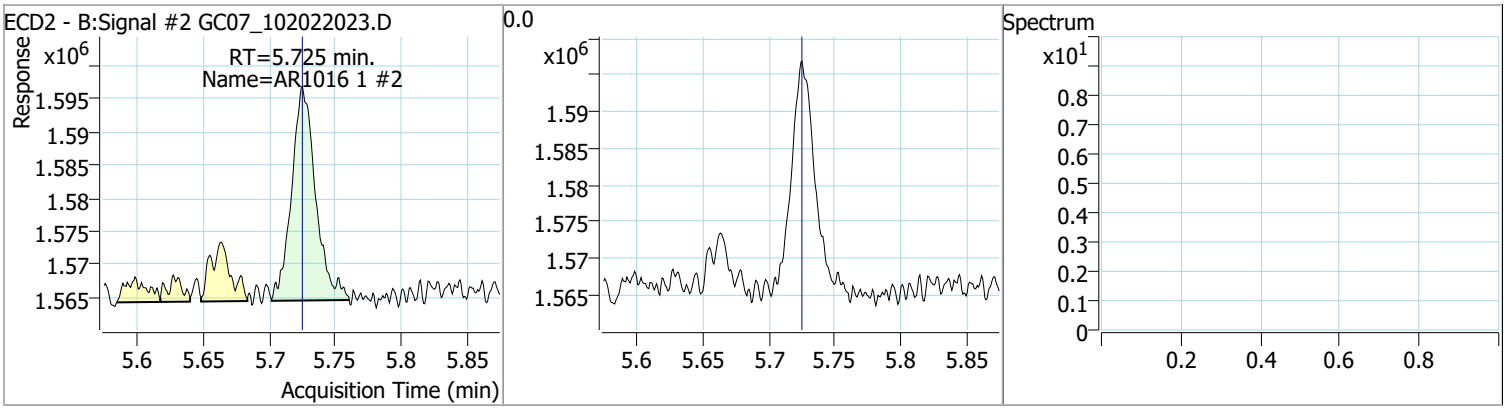
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	2.0033	5.24	0.00	128875				



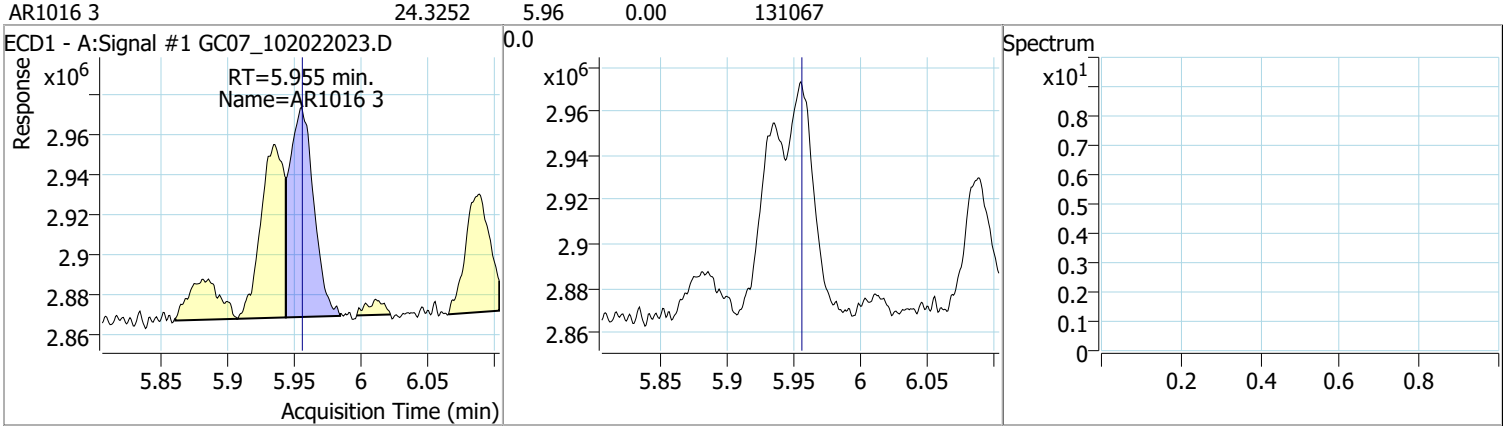
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	25.5046	5.51	0.00	114328				



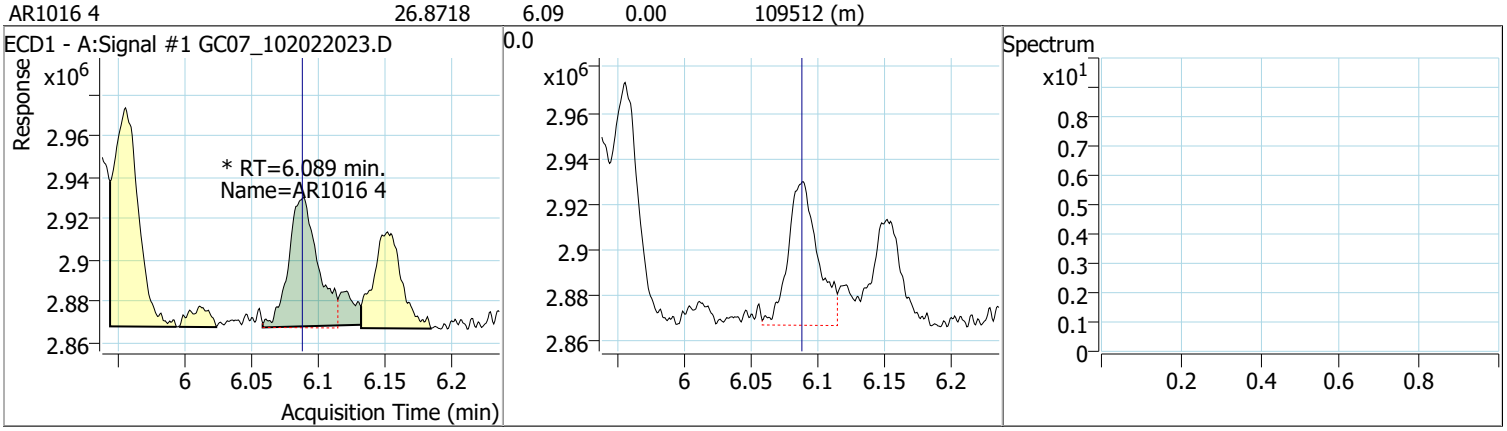
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	27.0963	5.73	0.00	40839				



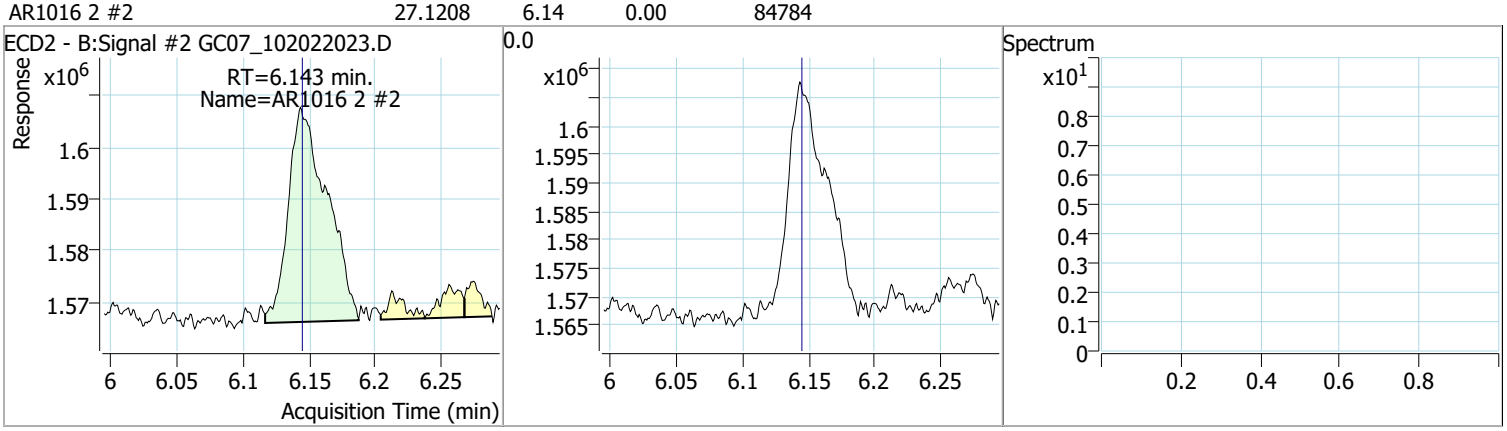
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	24.3252	5.96	0.00	131067				



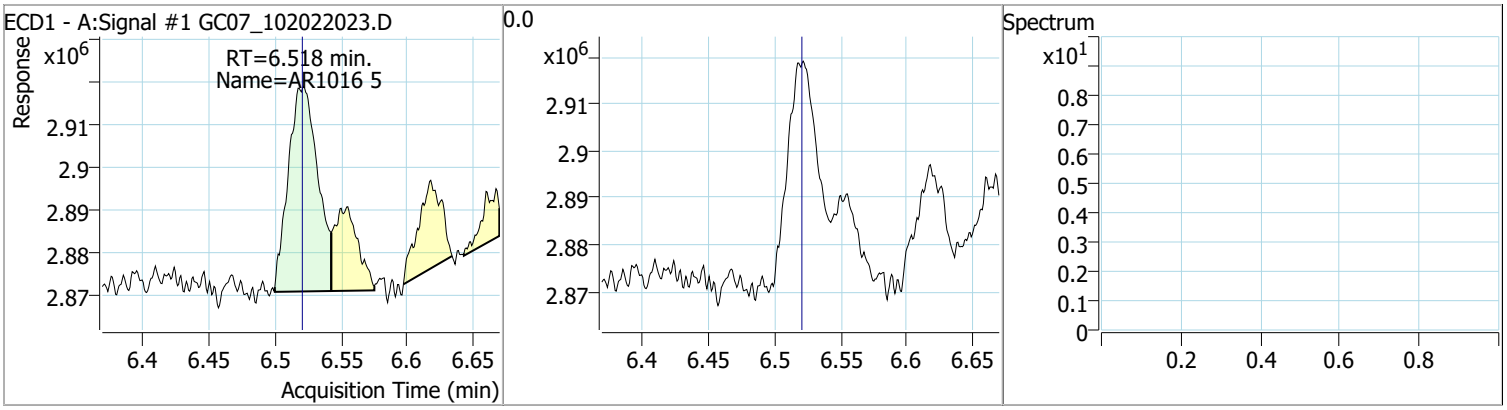
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	26.8718	6.09	0.00	109512 (m)				



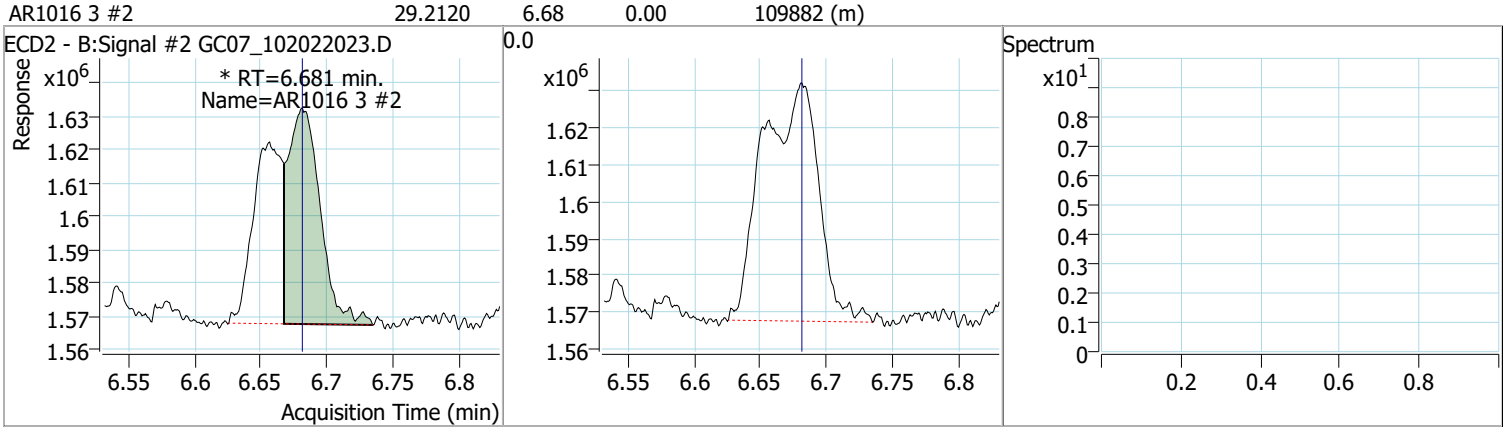
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	27.1208	6.14	0.00	84784				



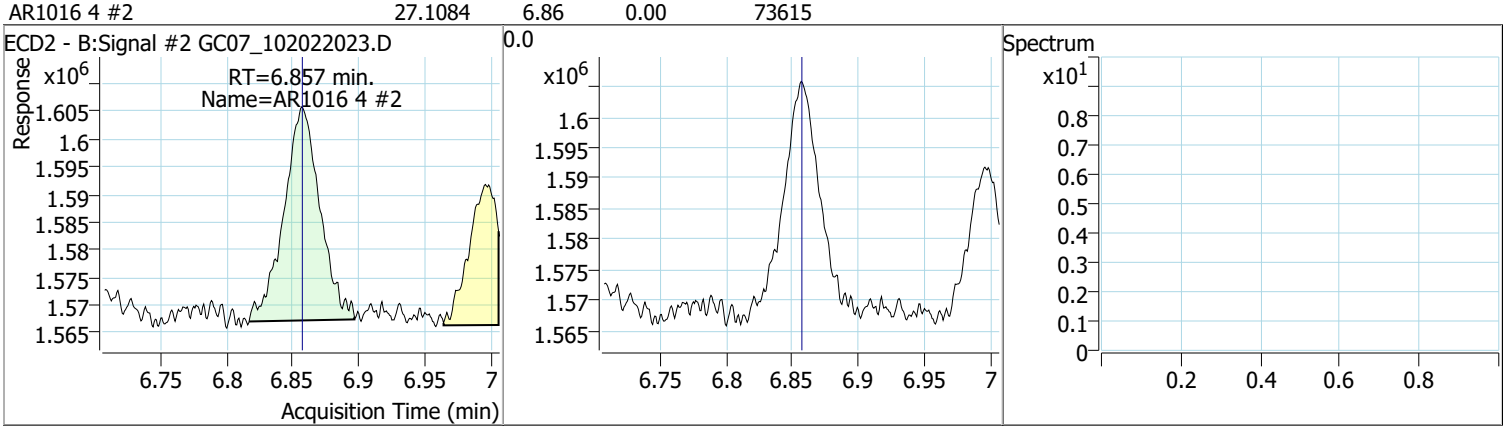
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	23.7808	6.52	0.00	74711				



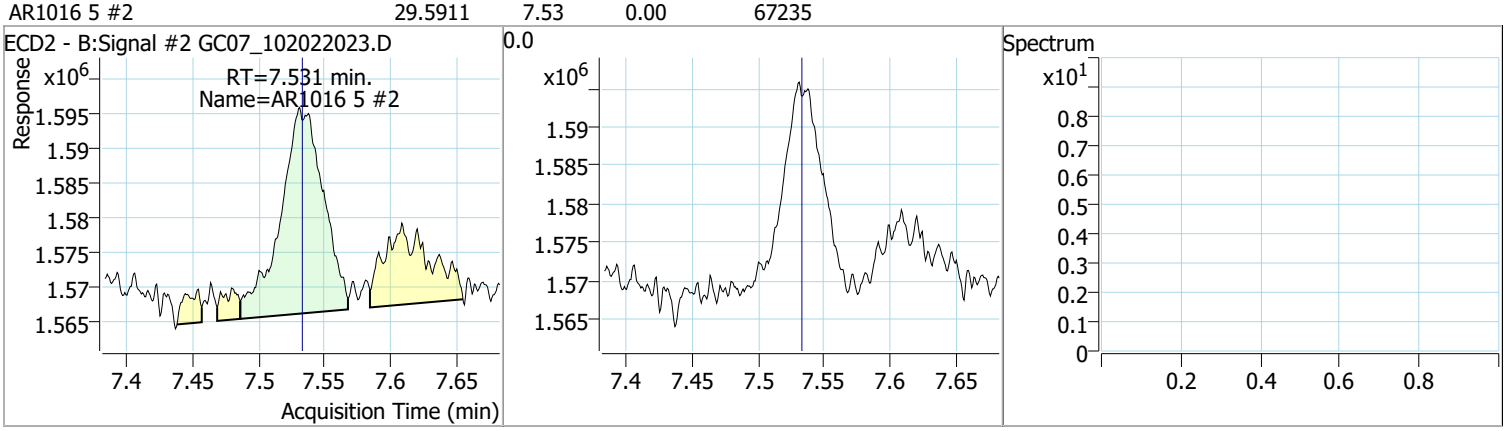
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	29.2120	6.68	0.00	109882 (m)				



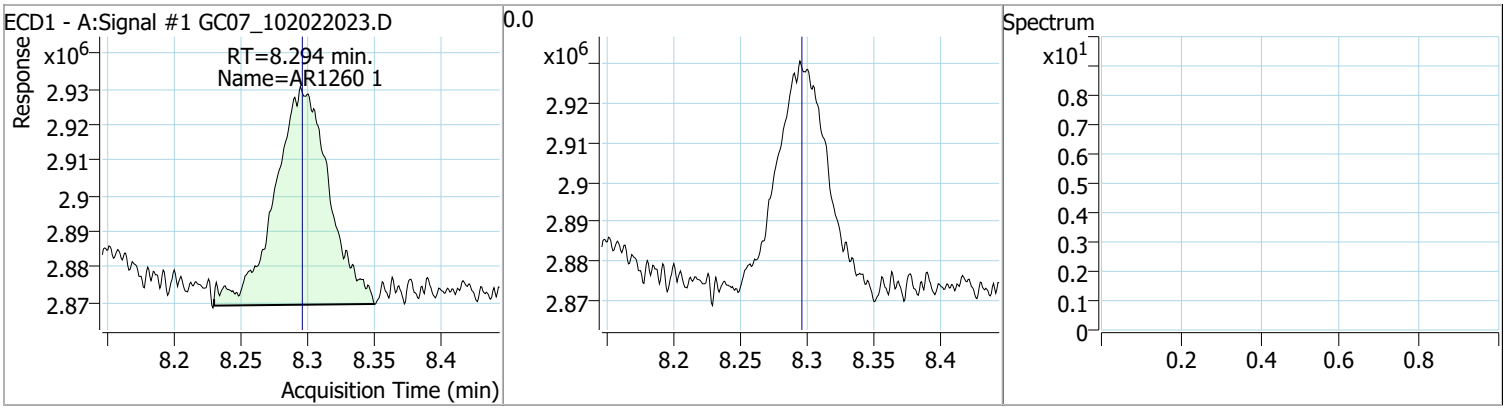
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	27.1084	6.86	0.00	73615				



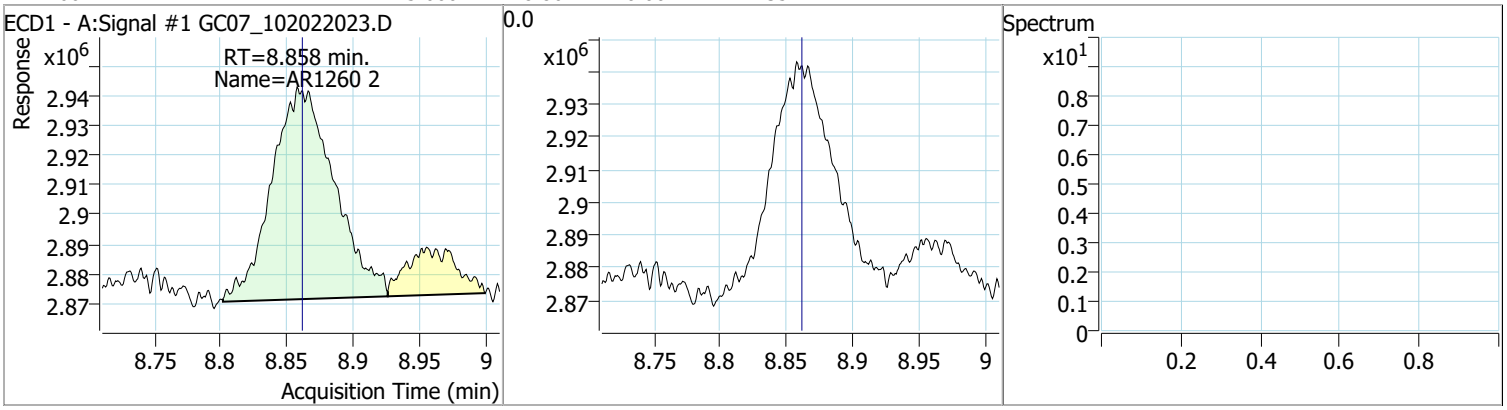
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	29.5911	7.53	0.00	67235				



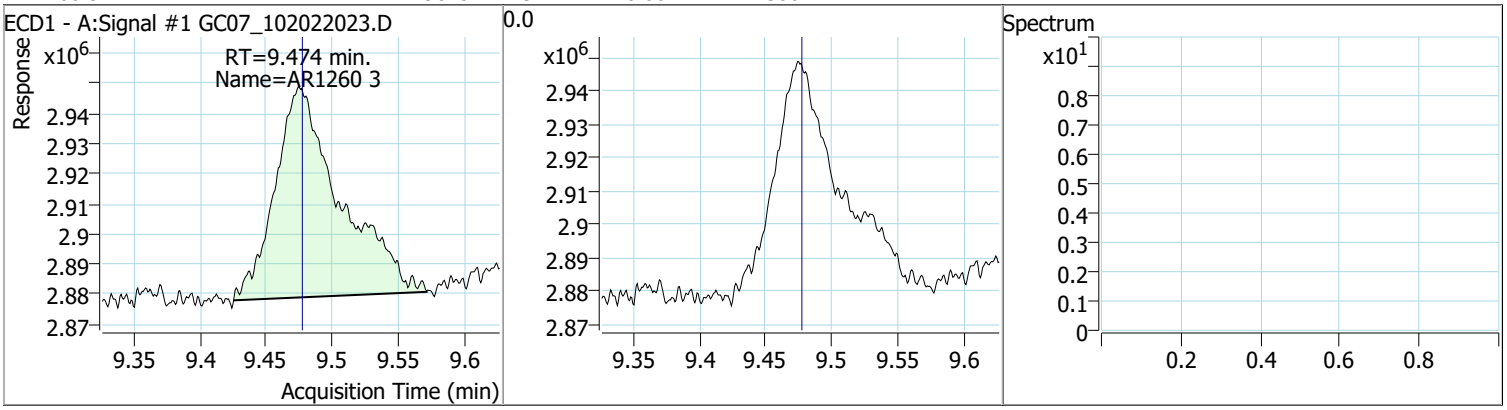
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	28.0706	8.29	0.00	174327				



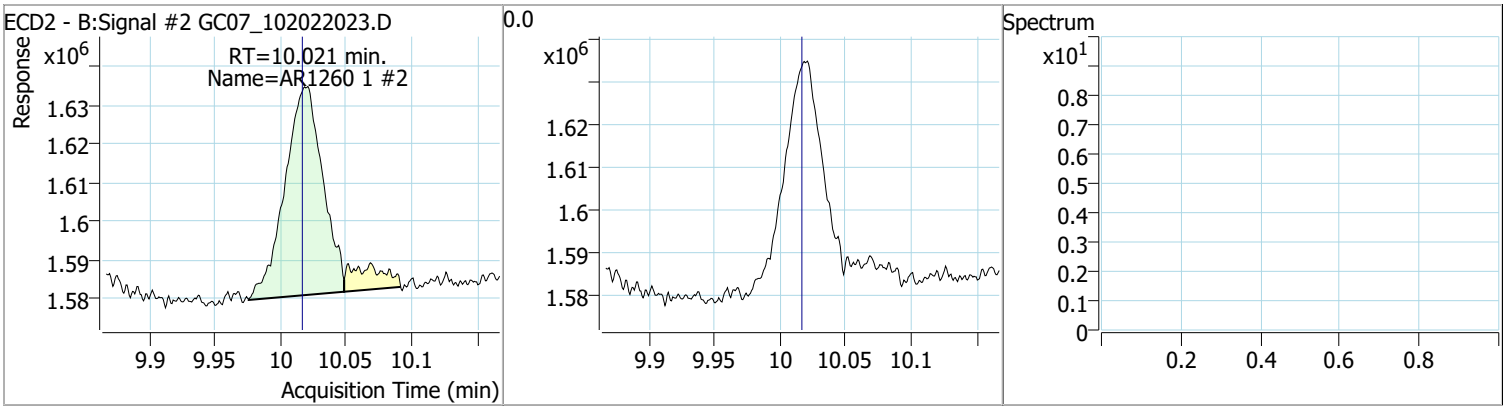
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	25.6002	8.86	0.00	235744				



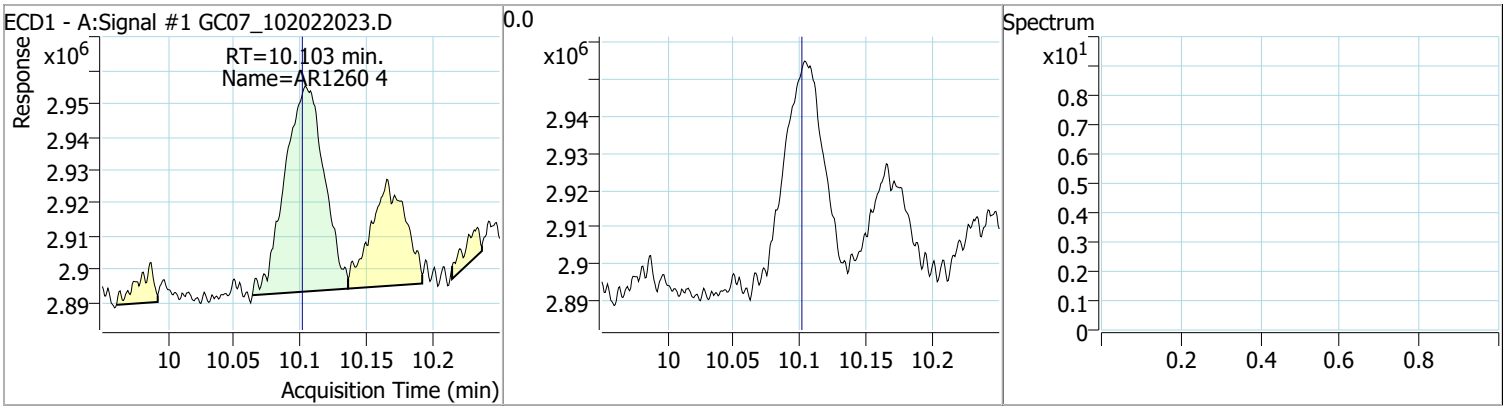
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	24.9015	9.47	0.00	238612				



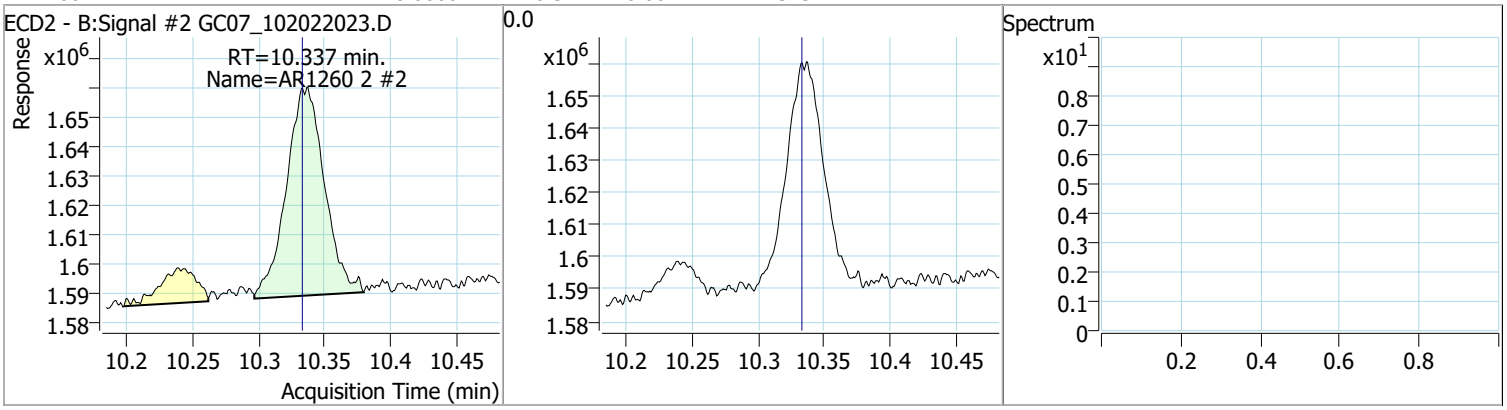
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	26.2809	10.02	0.00	108599				



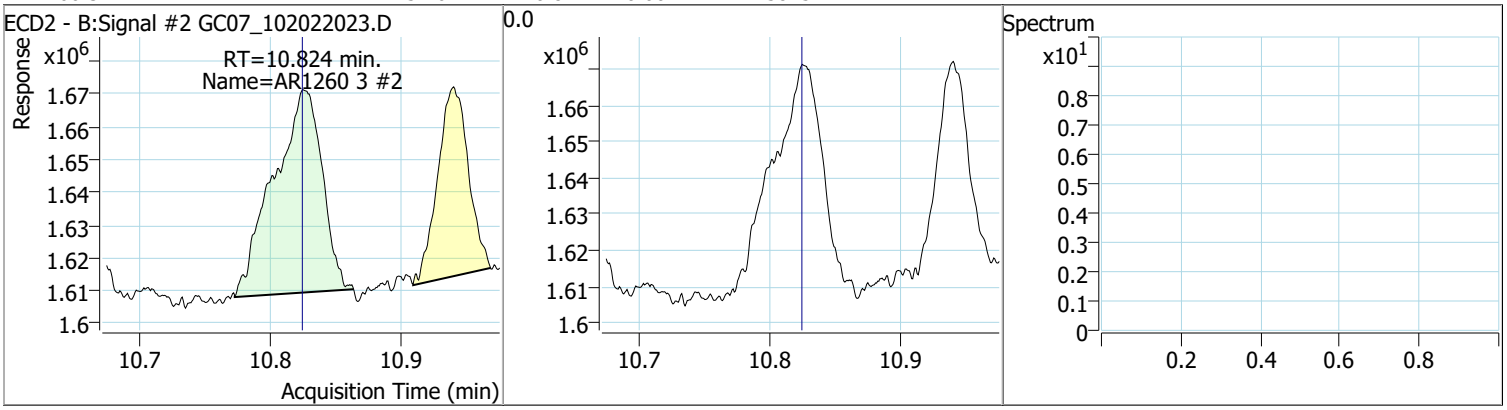
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	23.6542	10.10	0.00	126878				



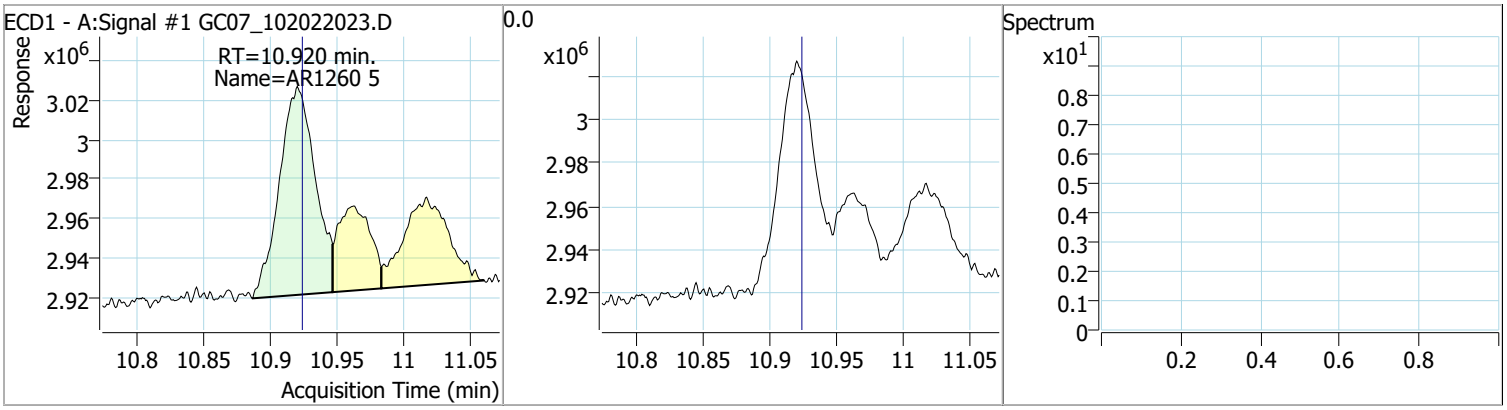
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.0000	10.34	0.00	143737				



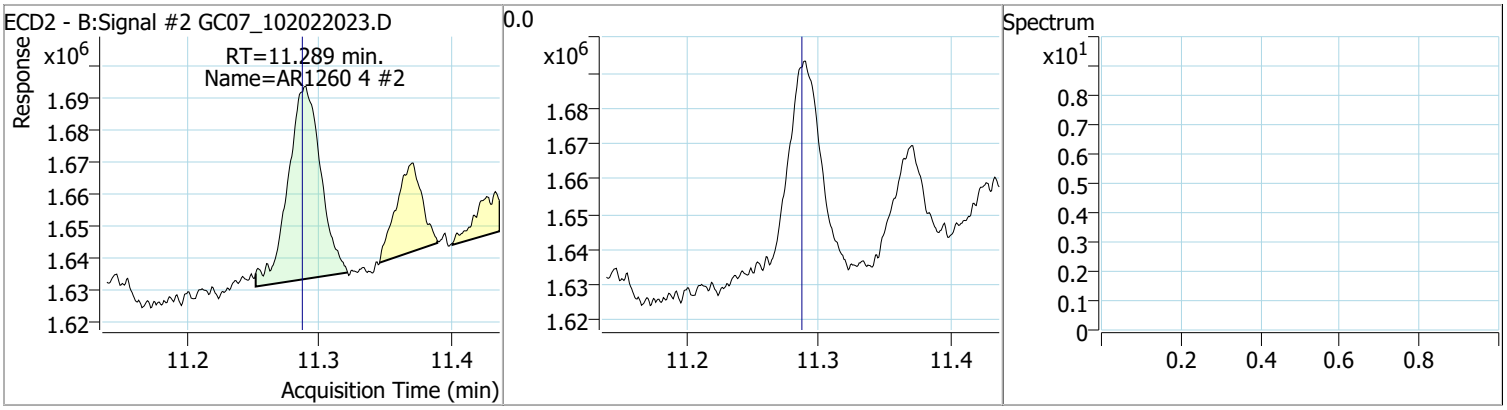
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	25.7611	10.82	0.00	158251				



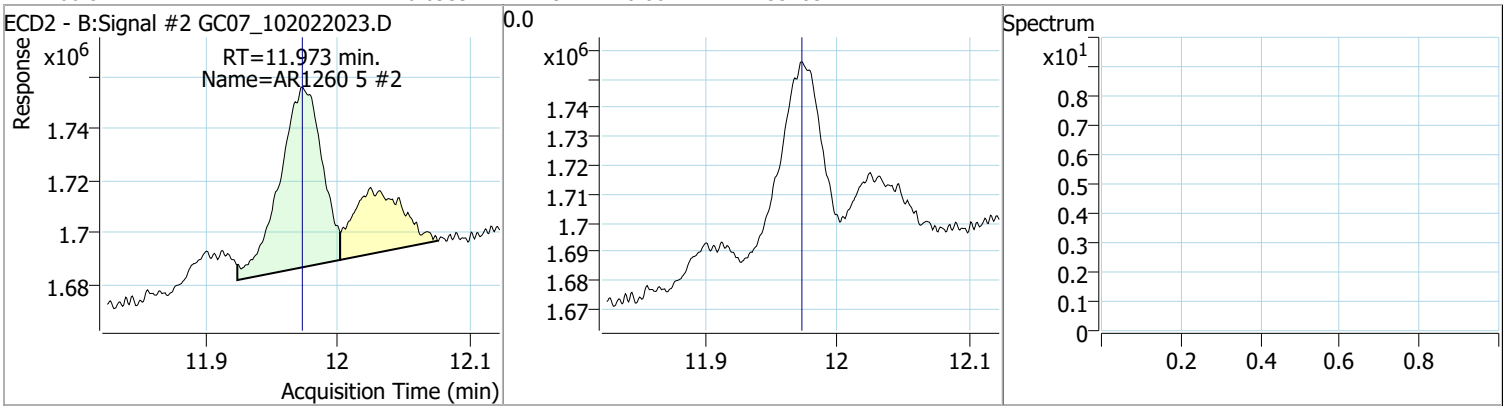
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	29.6228	10.92	0.00	198274				



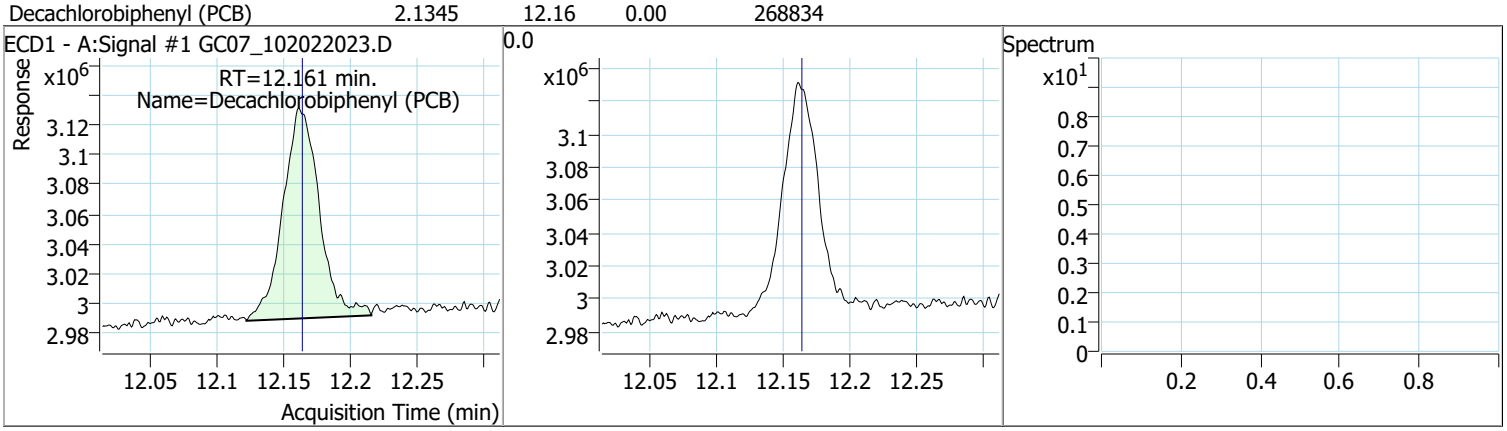
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	25.8201	11.29	0.00	104544				



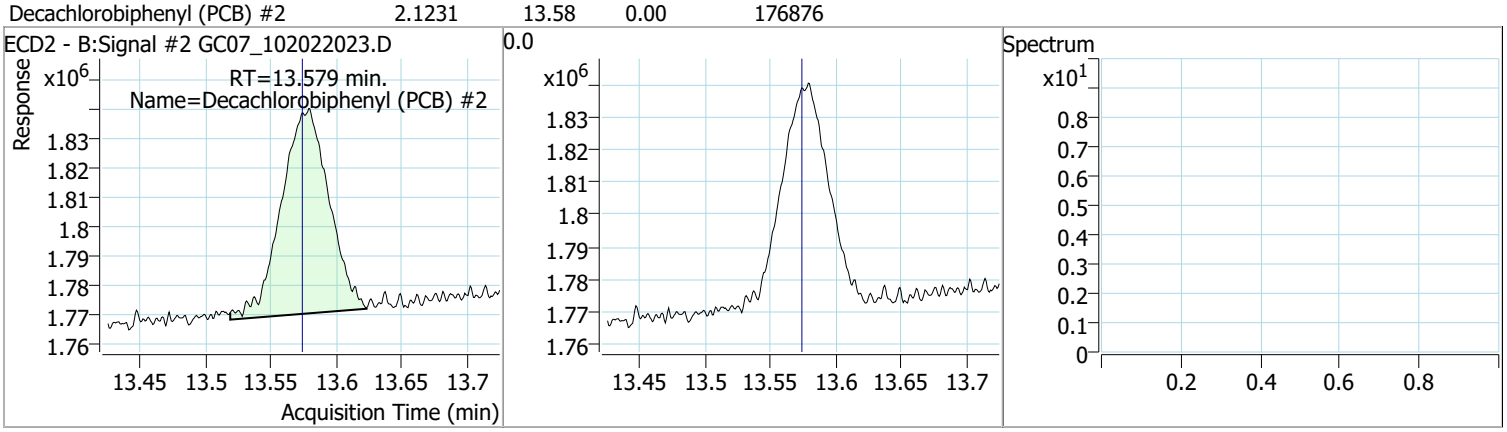
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	26.0939	11.97	0.00	155183				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	2.1345	12.16	0.00	268834				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.1231	13.58	0.00	176876				

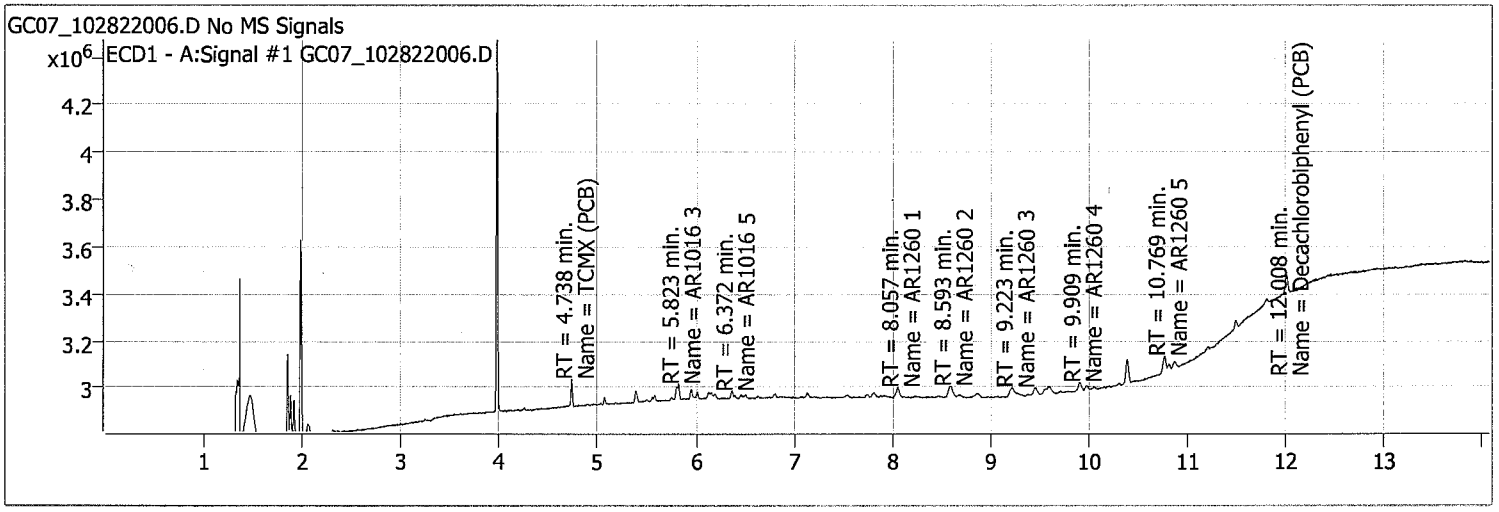


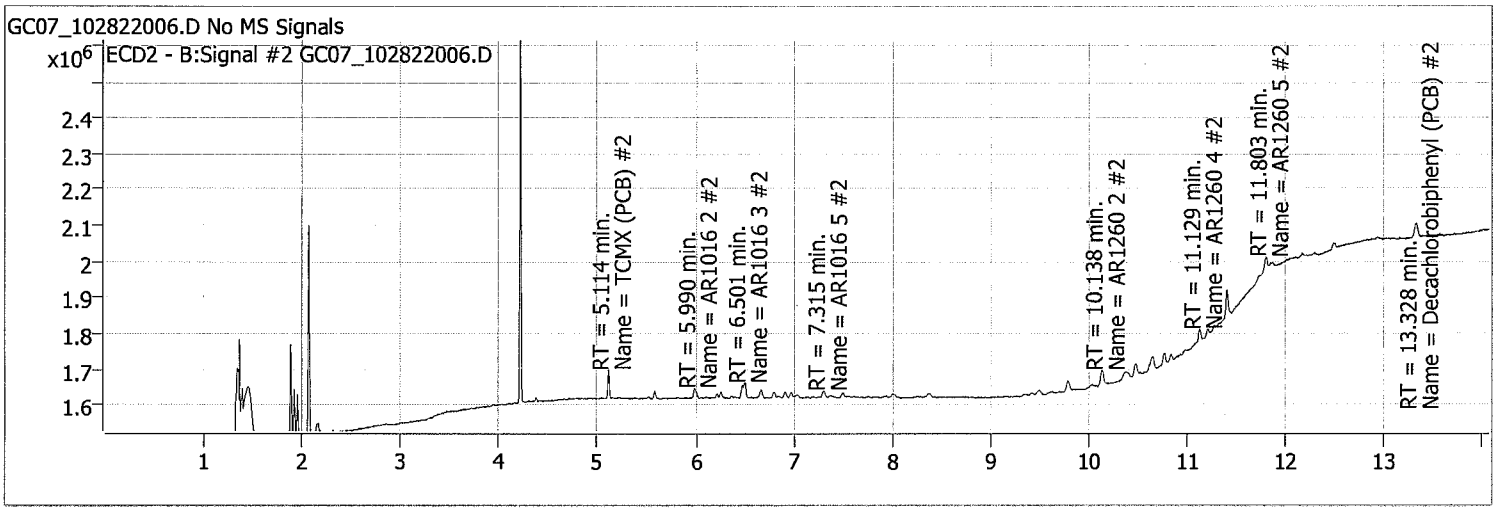
GC07 ICAL Low Point

Quantitation Results Report (Not Reviewed)

Agilent

Data File	GC07_102822006.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	10/28/2022 12:40:22 PM
Sample Name	ICAL, S17263	Instrument	SVOA-GC07
Vial	71	Multiplier	1.00
DA Method File	PCB_608_102822_GC07_1.m	Comment	20 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	102822_PCB.batch.bin	Last Calib Update	10/28/2022 3:26:35 PM
Ref Library			





Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.977	0.0	1442604.104	20.0000	ng/ml	0.007
M 1-bromo-2-nitrobenzene (PCB) #2	4.217	0.0	921555.508	20.0000	ng/ml	0.002
System Monitoring Compounds						
S TCMX (PCB)	4.738	0.0	118383.718	1.8676	ng/ml	0.008
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~9.34%~~ 116.7% *		
S TCMX (PCB) #2	5.114	0.0	88788.961	2.1039	ng/ml	0.003
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~10.52%~~ 131.5% *		
S Decachlorobiphenyl (PCB)	12.008	0.0	153896.866	2.0826	ng/ml m	0.012
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~10.41%~~ 130.2% *		
S Decachlorobiphenyl (PCB) #2	13.328	0.0	103071.074	2.1360	ng/ml	0.007
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~10.68%~~ 133.5% *		
Target Compounds						QValue
T AR1016 1	5.068	0.0	40574.152	27.3422	ng/ml	100
T AR1016 2	5.390	0.0	81004.791	26.7690	ng/ml	100
T AR1016 1 #2	5.584	0.0	28411.472	27.6990	ng/ml	100

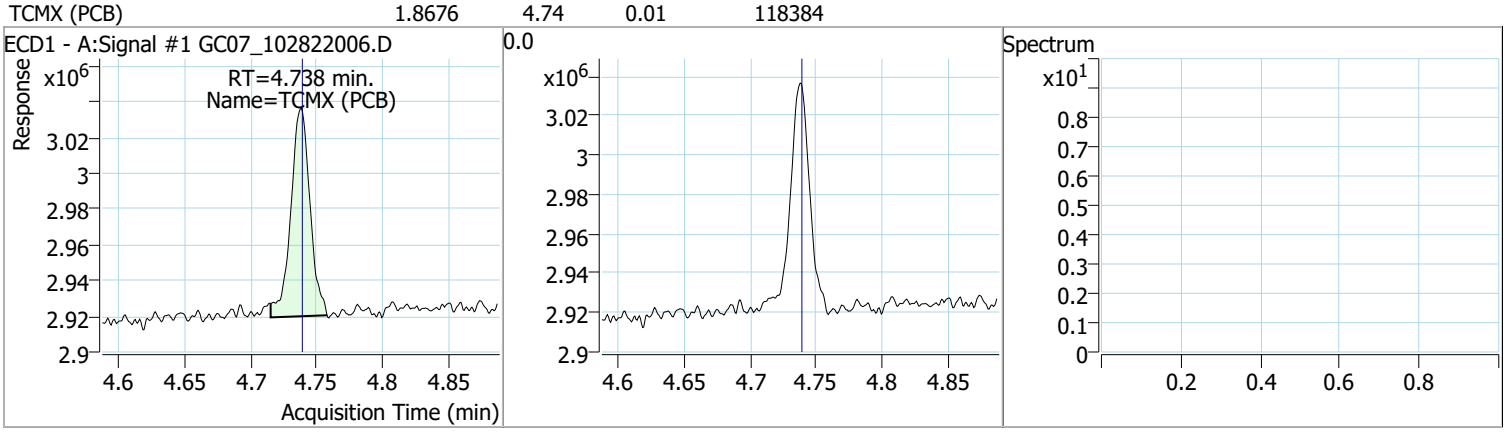
DD 12/22/22 Spike = 08-1.6 DD 12/22/22

DD 12/22/22

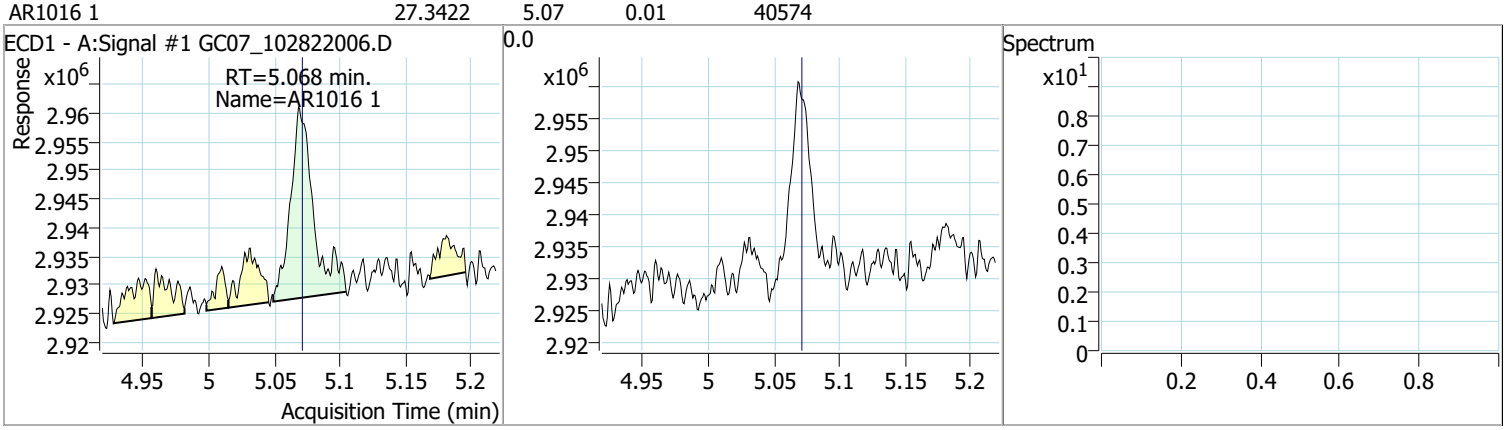
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	5.823	0.0	75414.035	21.5901	ng/ml	m	100
T AR1016 4	5.956	0.0	73106.557	27.4018	ng/ml		100
T AR1016 2 #2	5.990	0.0	55222.956	26.2388	ng/ml		100
T AR1016 5	6.372	0.0	54505.346	25.7179	ng/ml	m	100
T AR1016 3 #2	6.501	0.0	74108.778	8.7992	ng/ml		100
T AR1016 4 #2	6.669	0.0	46385.498	25.4441	ng/ml		100
T AR1016 5 #2	7.315	0.0	43095.221	28.3911	ng/ml		100
T AR1260 1	8.057	0.0	113817.638	27.8201	ng/ml	m	100
T AR1260 2	8.593	0.0	155249.688	25.3142	ng/ml		100
T AR1260 3	9.223	0.0	166859.980	25.8560	ng/ml	m	100
T AR1260 1 #2	9.790	0.0	72019.286	25.9626	ng/ml		100
T AR1260 4	9.909	0.0	87410.629	24.8025	ng/ml		100
T AR1260 2 #2	10.138	0.0	88426.927	27.0190	ng/ml		100
T AR1260 3 #2	10.653	0.0	100266.506	25.5451	ng/ml		100
T AR1260 5	10.769	0.0	135504.410	14.7310	ng/ml		100
T AR1260 4 #2	11.129	0.0	47996.411	20.9435	ng/ml		100
T AR1260 5 #2	11.803	0.0	58772.900	17.2289	ng/ml	m	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

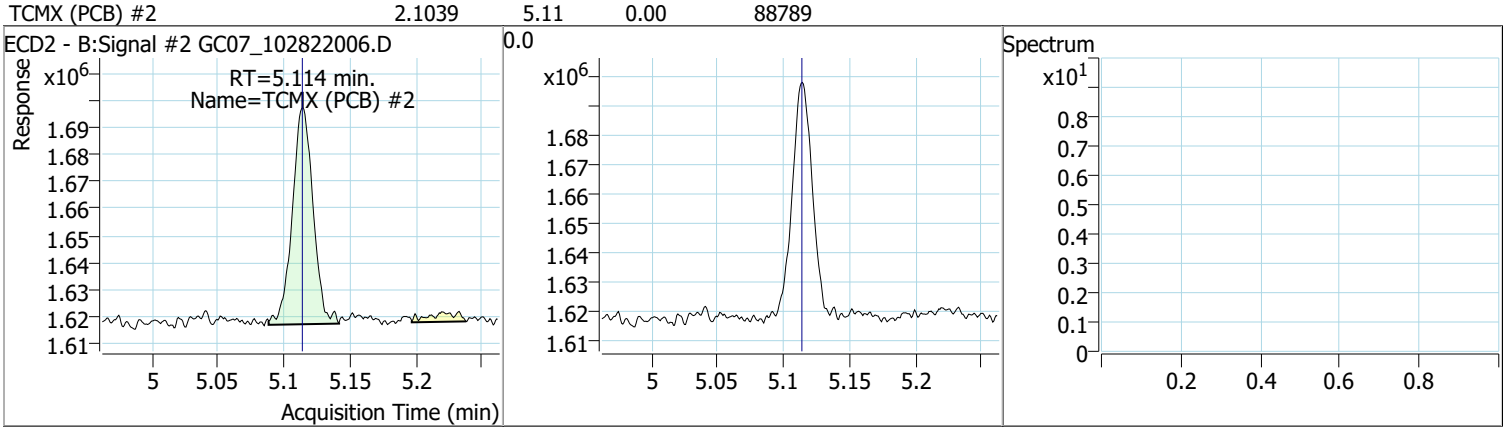
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.8676	4.74	0.01	118384				



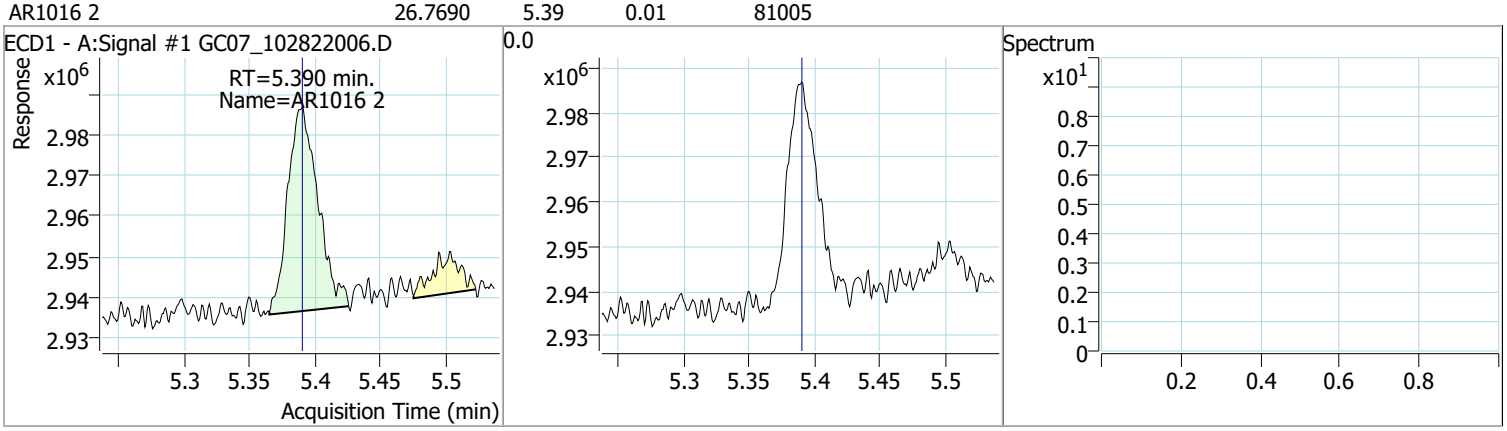
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	27.3422	5.07	0.01	40574				



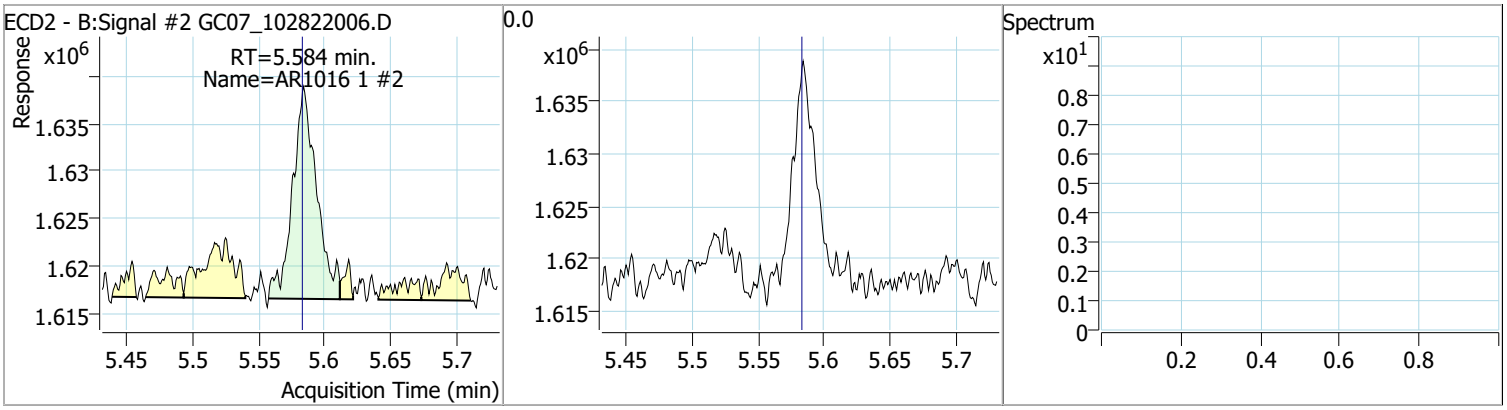
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	2.1039	5.11	0.00	88789				



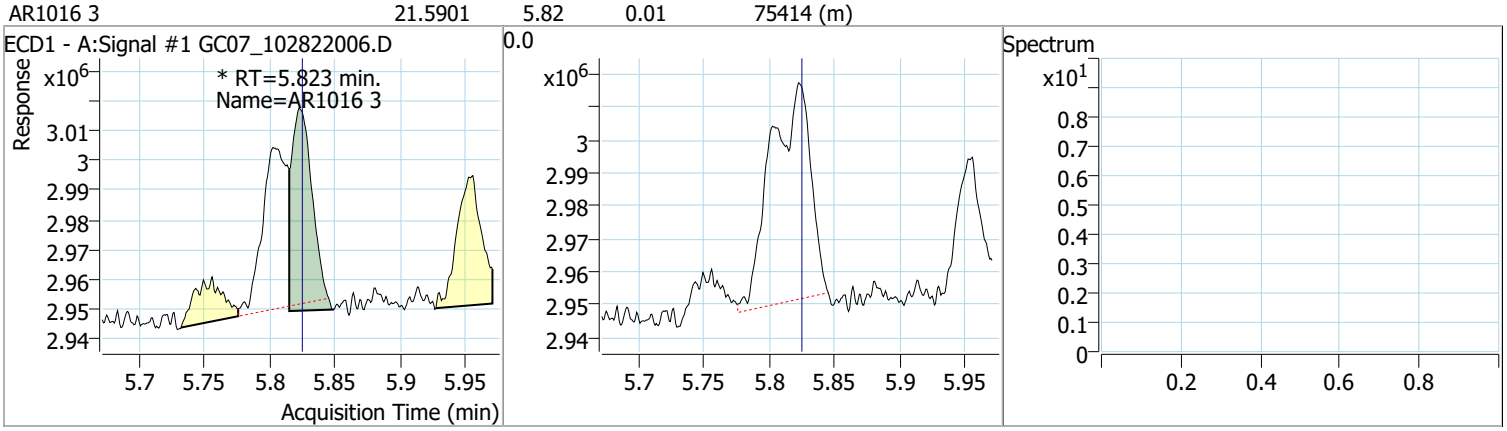
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	26.7690	5.39	0.01	81005				



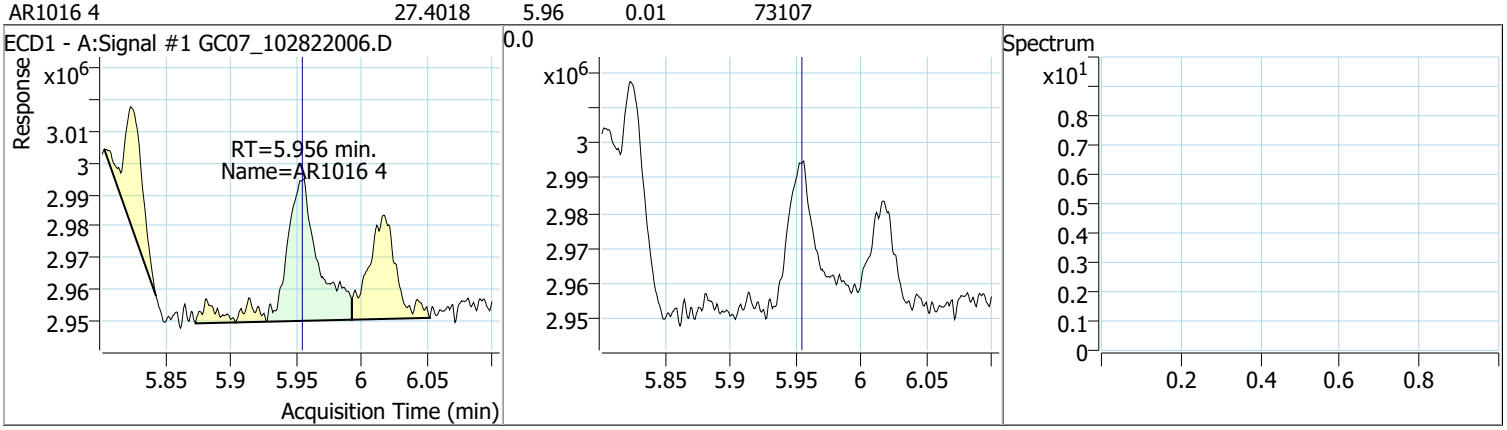
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	27.6990	5.58	0.00	28411				



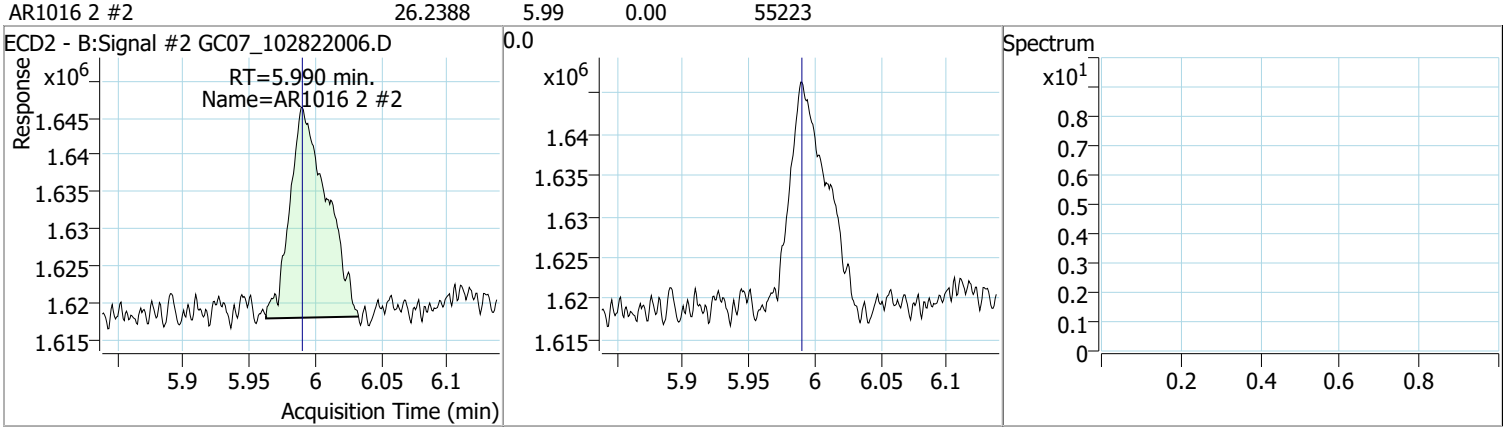
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	21.5901	5.82	0.01	75414 (m)				



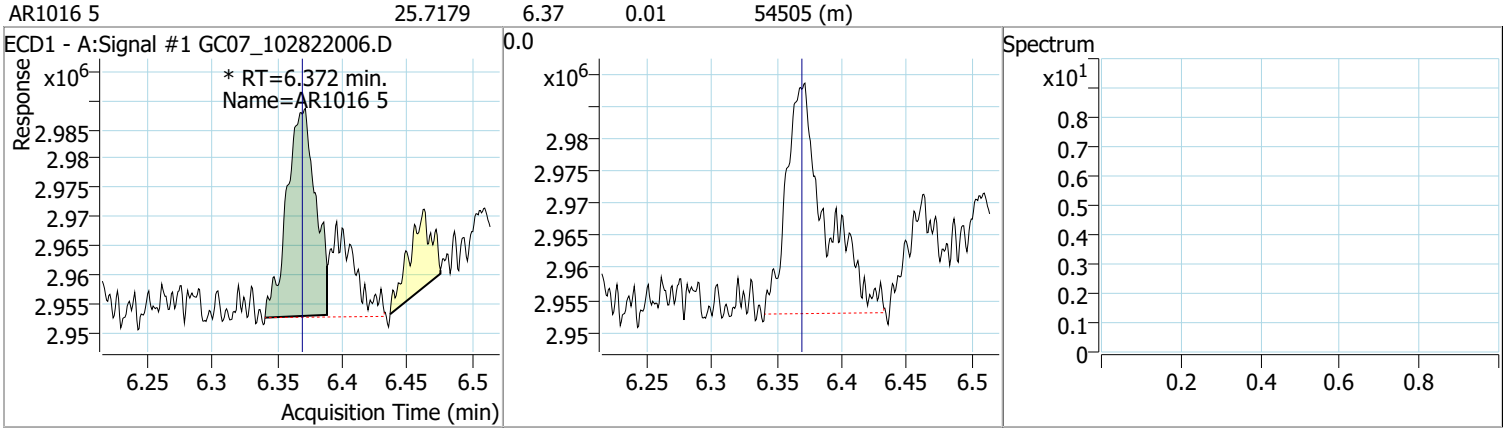
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	27.4018	5.96	0.01	73107				



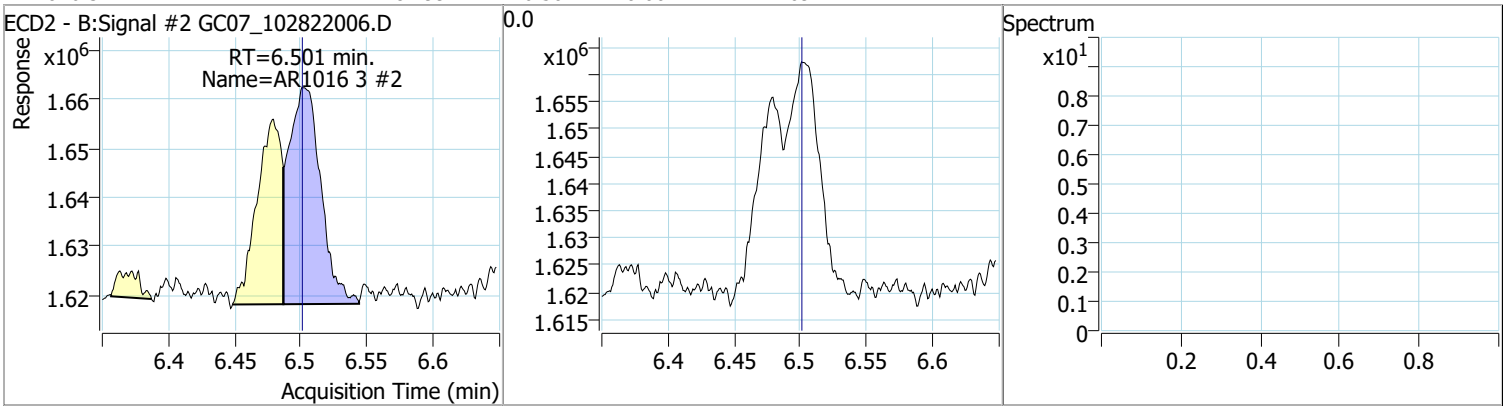
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	26.2388	5.99	0.00	55223				



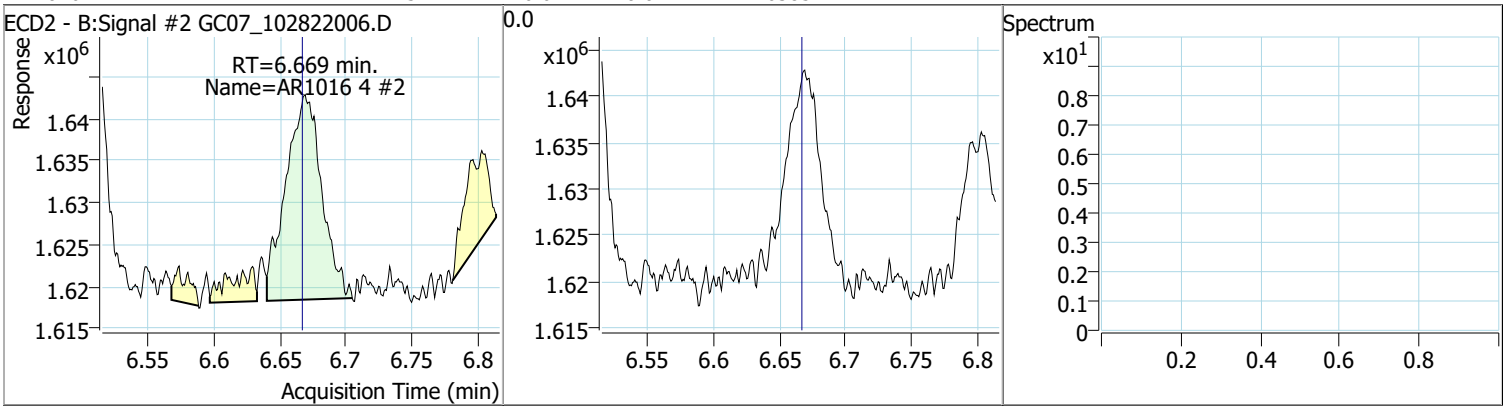
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	25.7179	6.37	0.01	54505 (m)				



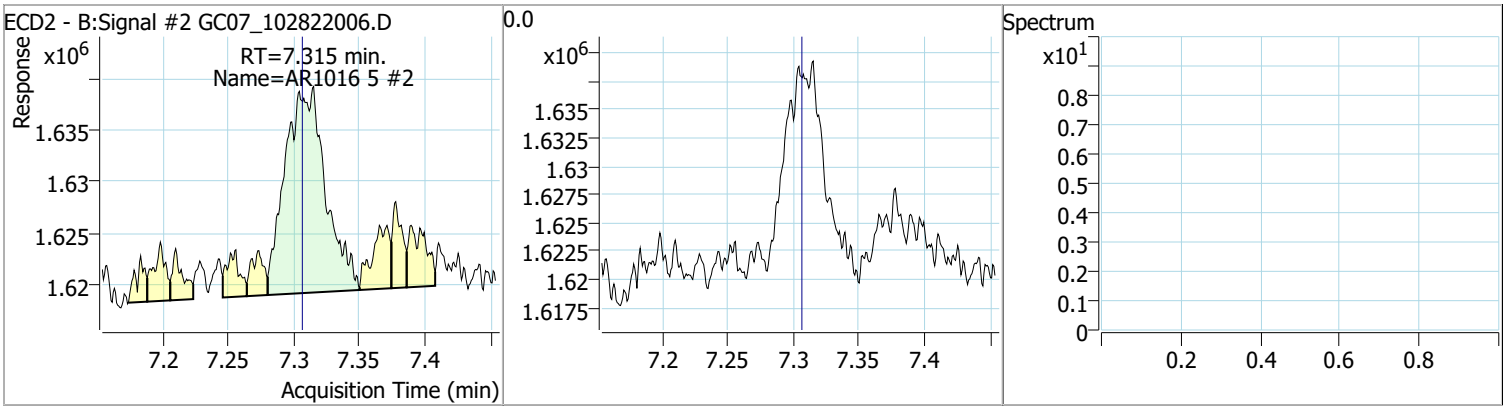
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	8.7992	6.50	0.00	74109				



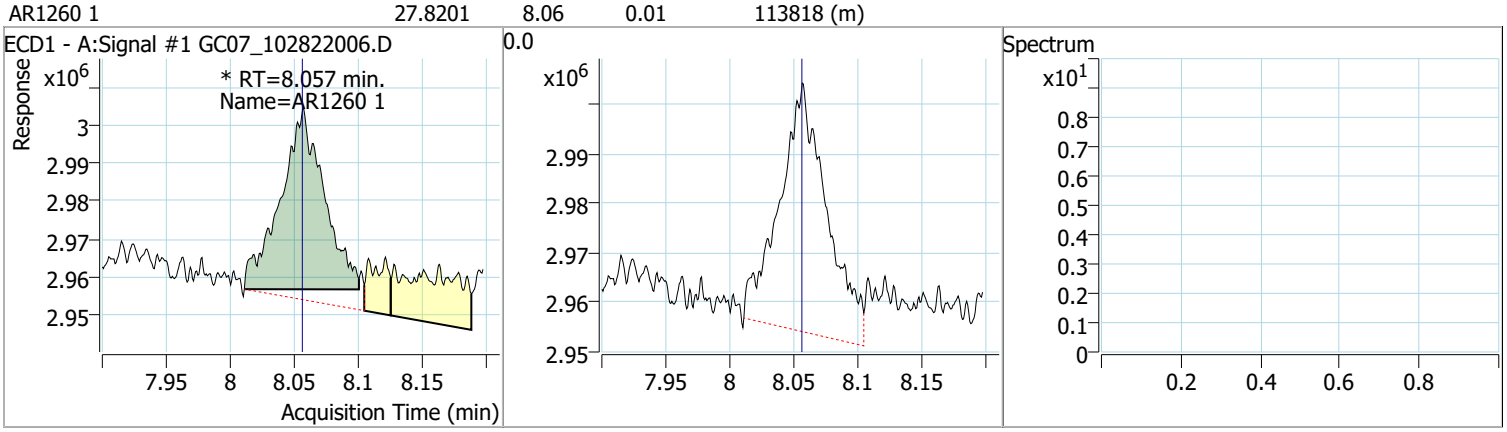
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	25.4441	6.67	0.01	46385				



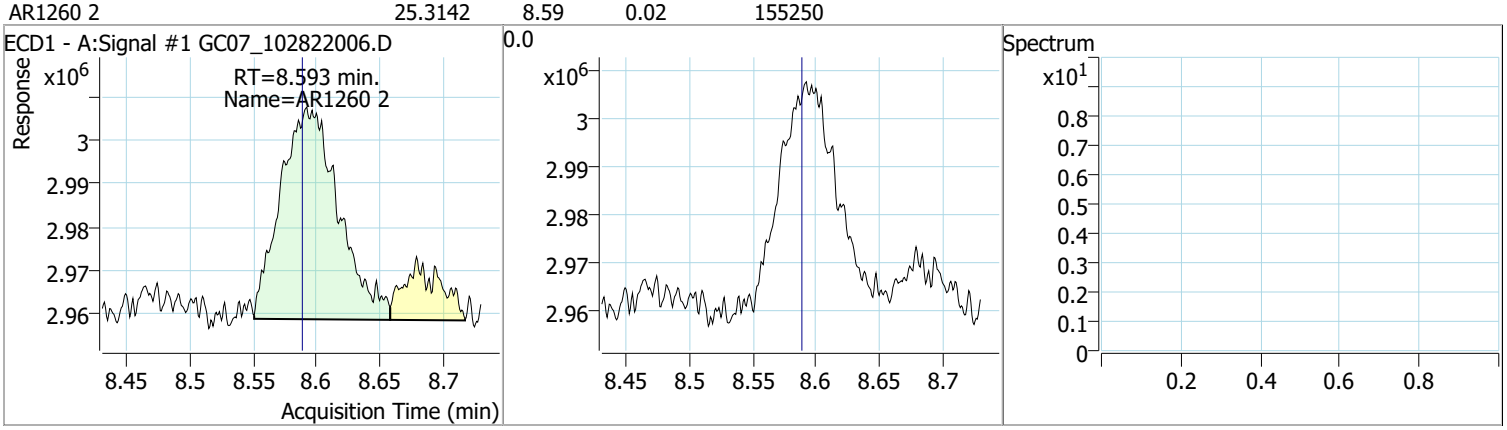
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	28.3911	7.32	0.01	43095				



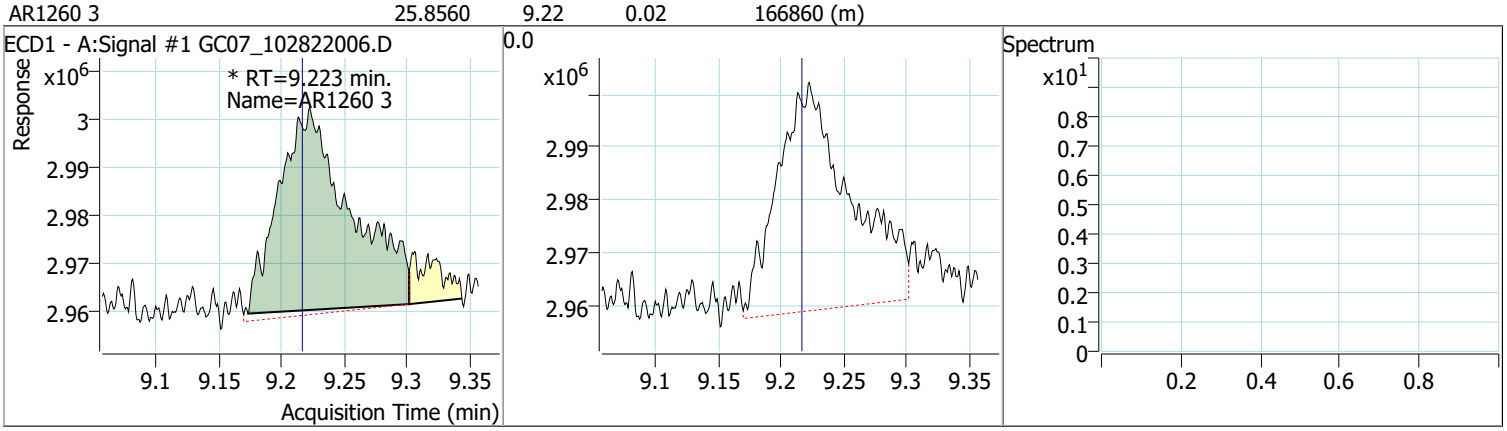
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	27.8201	8.06	0.01	113818 (m)				



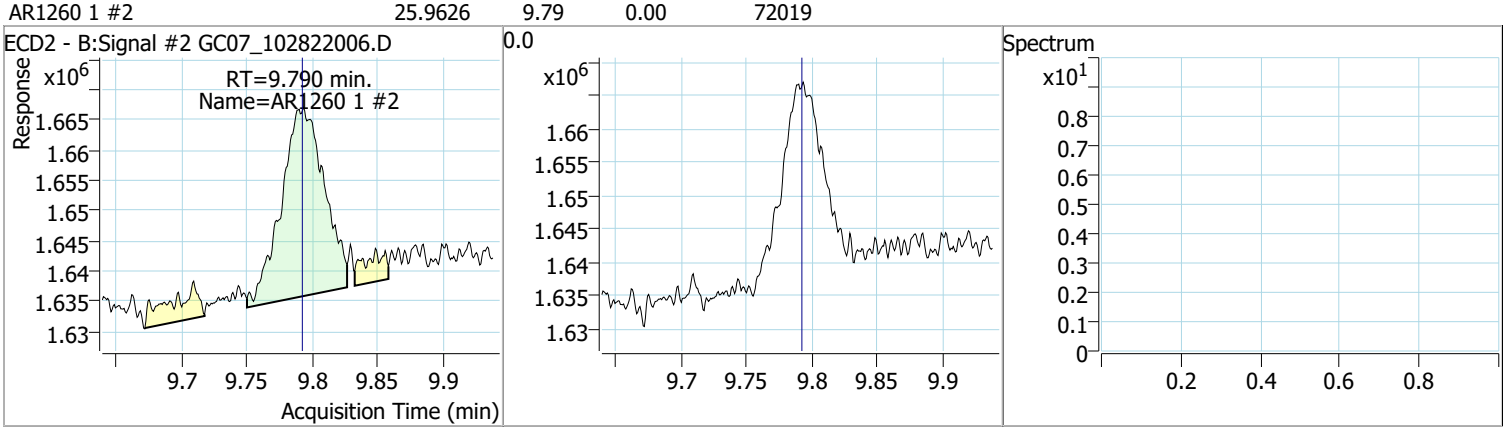
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	25.3142	8.59	0.02	155250				



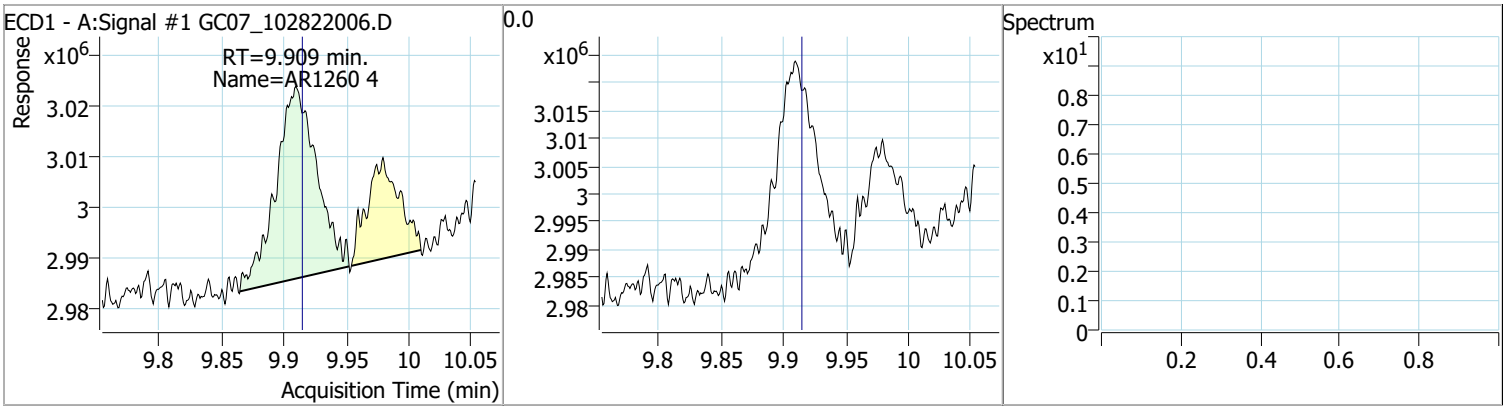
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	25.8560	9.22	0.02	166860 (m)				



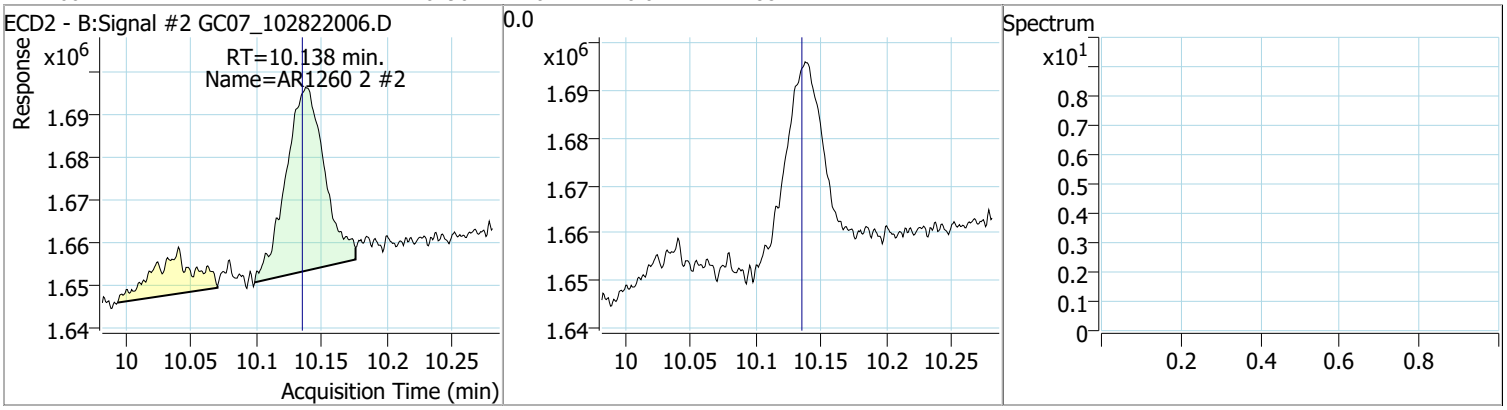
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	25.9626	9.79	0.00	72019				



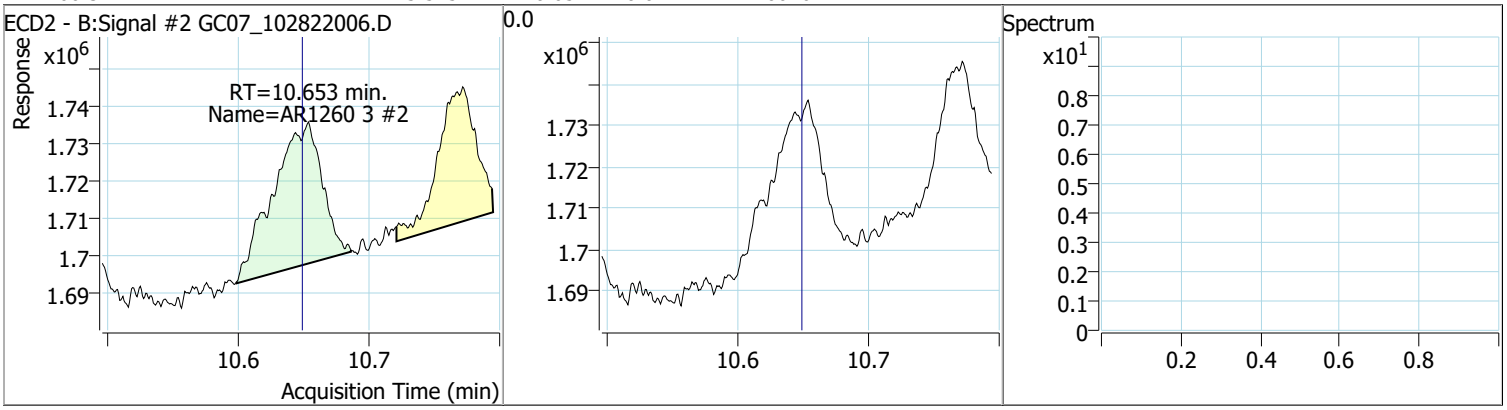
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	24.8025	9.91	0.01	87411				



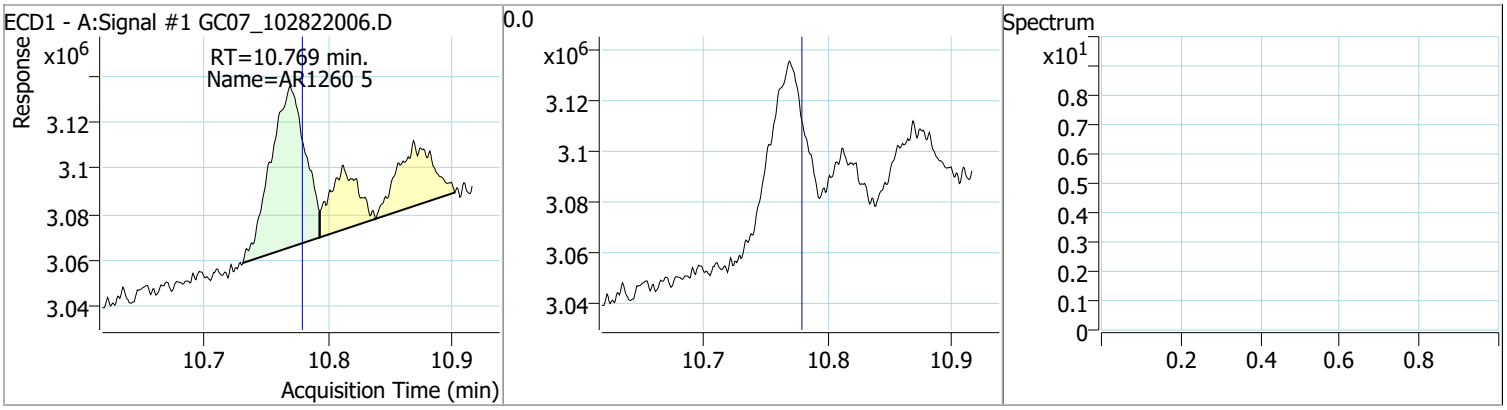
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	27.0190	10.14	0.01	88427				



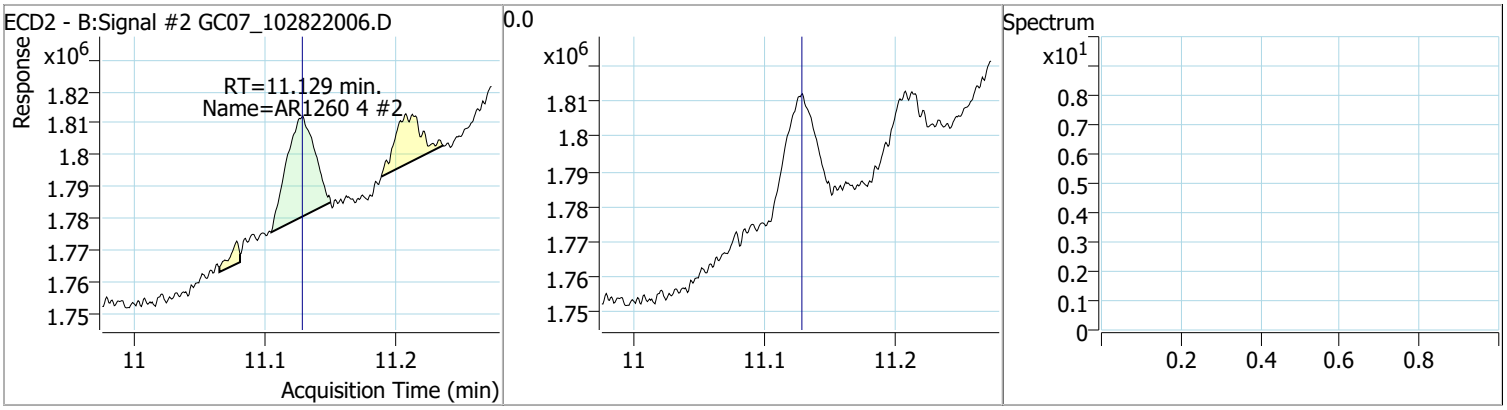
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	25.5451	10.65	0.01	100267				



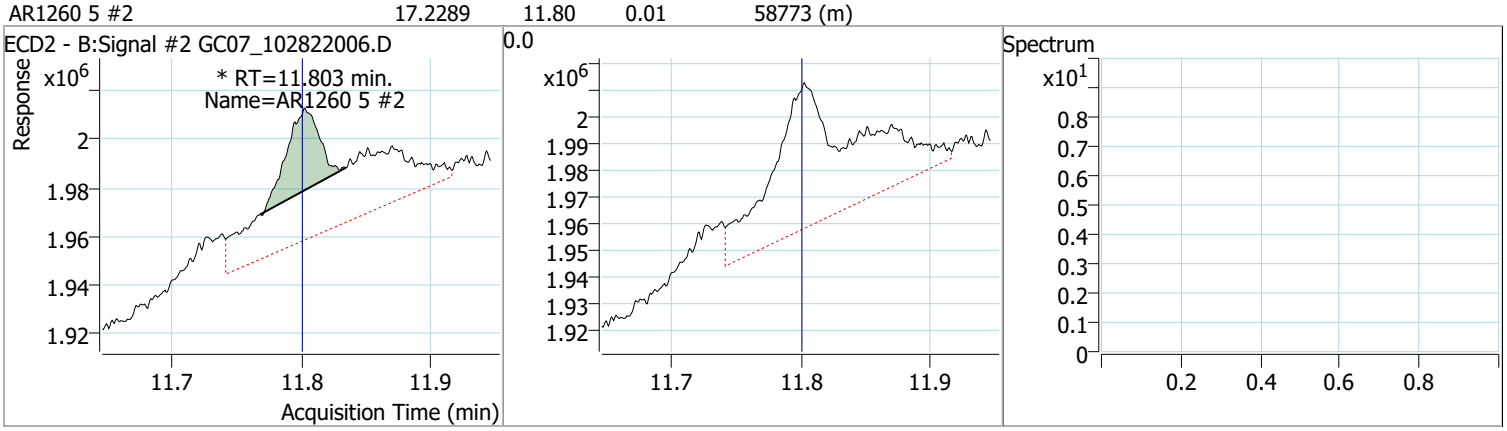
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	14.7310	10.77	0.01	135504				



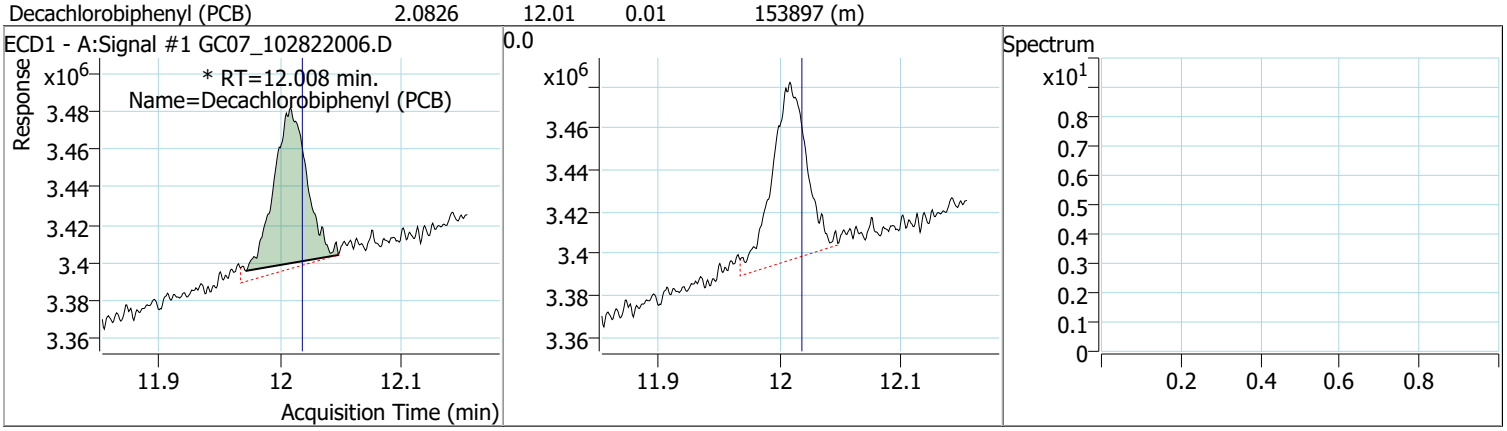
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	20.9435	11.13	0.01	47996				



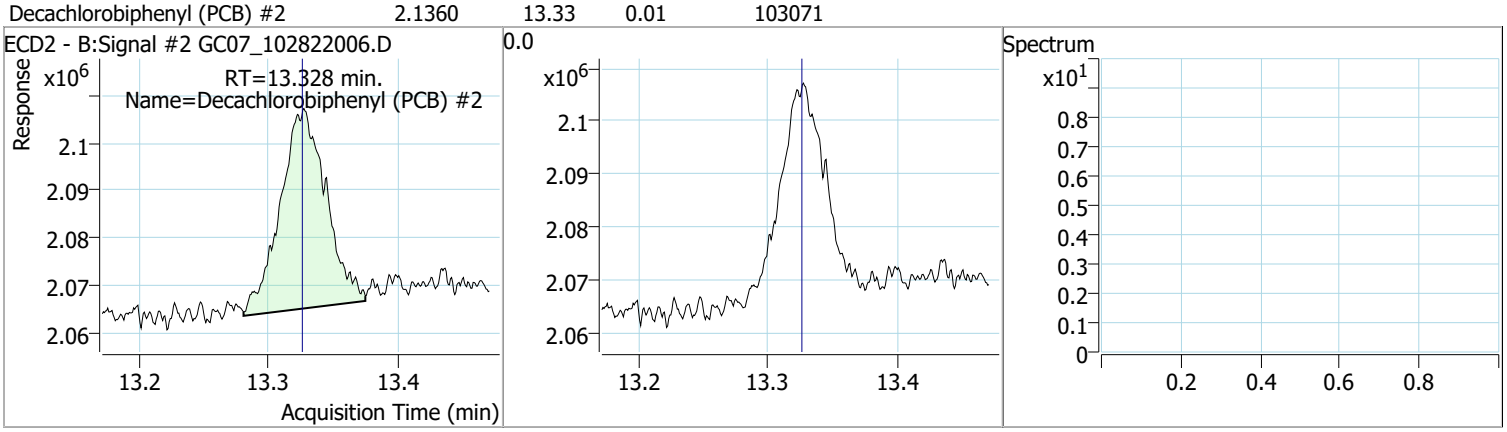
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	17.2289	11.80	0.01	58773 (m)				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	2.0826	12.01	0.01	153897 (m)				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.1360	13.33	0.01	103071				

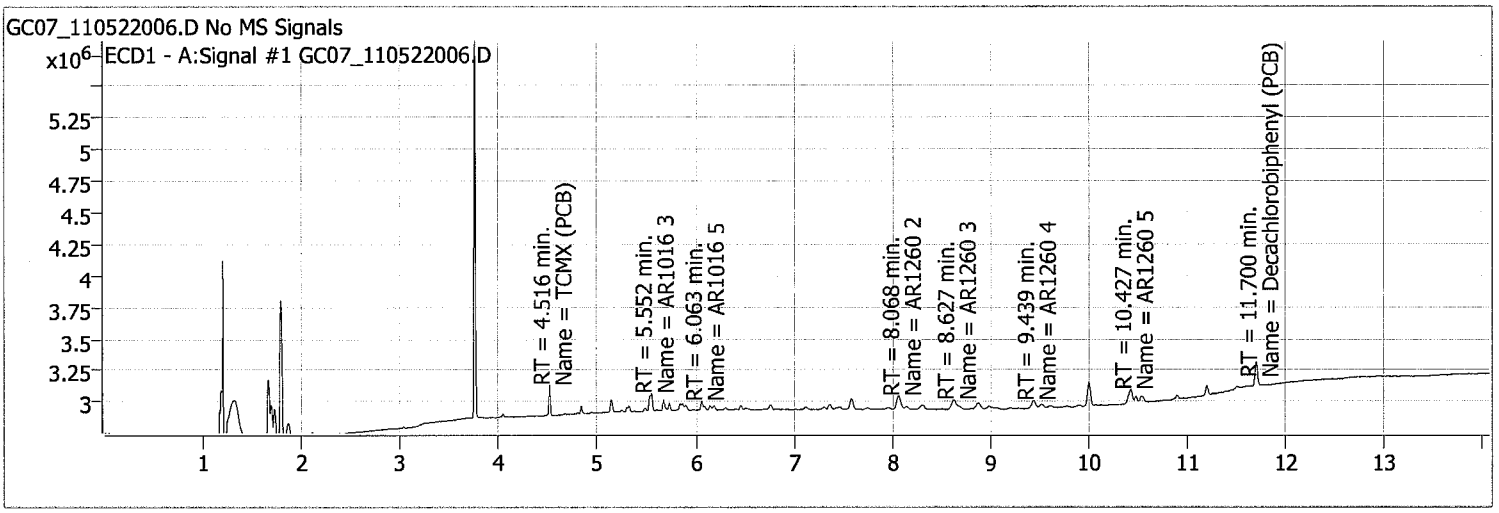


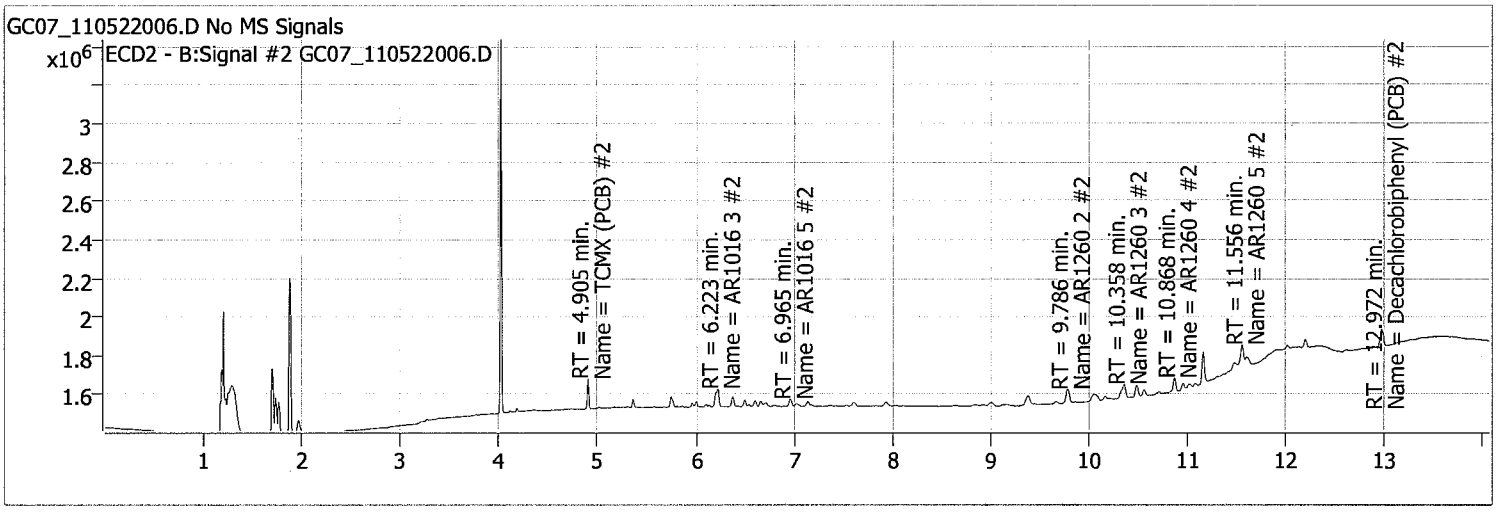
GC07 ICAL Low Point

Quantitation Results Report (Not Reviewed)

Agilent

Data File	GC07_110522006.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	11/5/2022 5:14:57 PM
Sample Name	ICAL, S17263	Instrument	SVOA-GC07
Vial	41	Multiplier	1.00
DA Method File	PCB_608_110522_GC07_1.m	Comment	20 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	110522PCBICAL.batch.bin	Last Calib Update	11/6/2022 3:52:48 PM
Ref Library			





Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.756	0.0	2886609.013	20.0000	ng/ml	0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.018	0.0	1801042.820	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.516	0.0	249828.354	1.8754	ng/ml	0.001
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~9.38%~~ 117.2% *		
S TCMX (PCB) #2	4.905	0.0	169277.504	2.0292	ng/ml	-0.001
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~10.15%~~ 126.8% *		
S Decachlorobiphenyl (PCB)	11.700	0.0	361931.412	2.0882	ng/ml	0.003
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~10.44%~~ 130.5% *		
S Decachlorobiphenyl (PCB) #2	12.972	0.0	216916.336	2.0172	ng/ml	0.000
Spiked Amount: ~~20.000~~	Range: 50.0 - 150.0%			Recovery = ~~10.09%~~ 126.1% *		
Target Compounds						QValue
T AR1016 1	4.838	0.0	71045.276	23.5943	ng/ml	100
T AR1016 2	5.139	0.0	172804.965	28.1604	ng/ml	100
T AR1016 1 #2	5.361	0.0	62072.434	0.0000	ng/ml	100

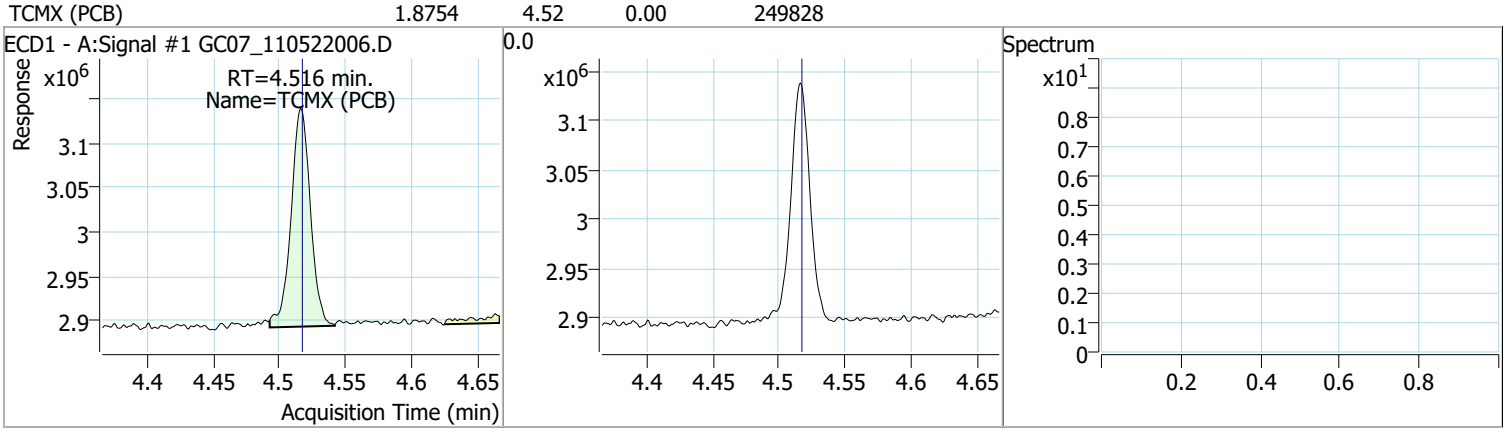
Spike = 1.6 DD 12/22/22

DD 12/22/22

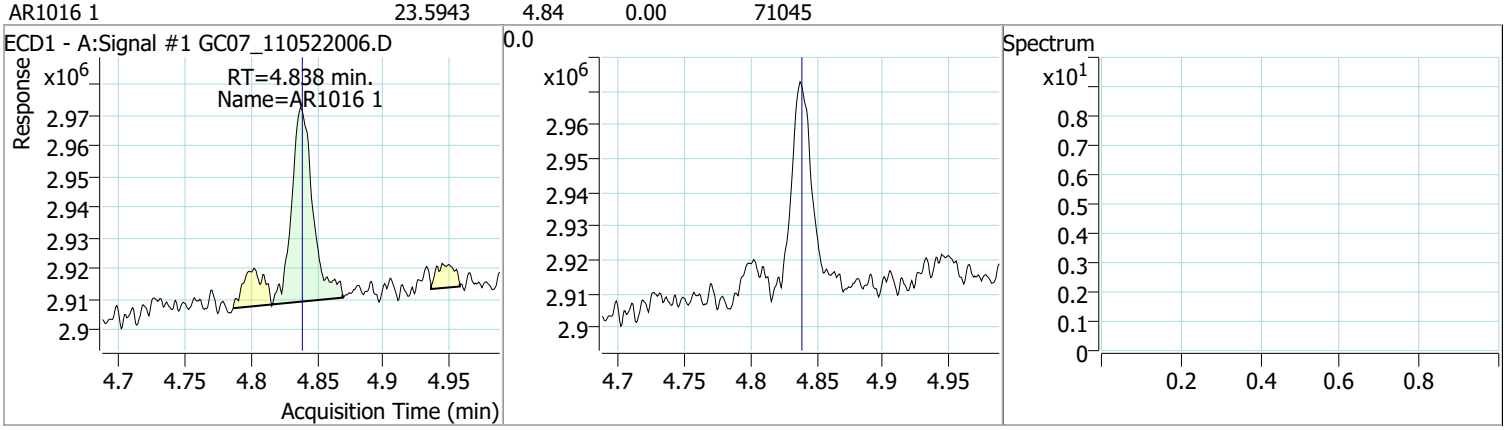
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	5.552	0.0	173149.277	23.0836	ng/ml	m	100
T AR1016 4	5.673	0.0	123068.179	22.8397	ng/ml		100
T AR1016 2 #2	5.750	0.0	110370.273	27.0462	ng/ml		100
T AR1016 5	6.063	0.0	107126.689	24.1795	ng/ml		100
T AR1016 3 #2	6.223	0.0	133420.043	26.4258	ng/ml	m	100
T AR1016 4 #2	6.376	0.0	91652.484	25.9632	ng/ml		100
T AR1016 5 #2	6.965	0.0	77485.244	26.4443	ng/ml		100
T AR1260 1	7.584	0.0	204224.217	24.5025	ng/ml		100
T AR1260 2	8.068	0.0	322371.051	24.9798	ng/ml		100
T AR1260 3	8.627	0.0	331714.237	24.5250	ng/ml		100
T AR1260 1 #2	9.378	0.0	154316.608	26.5376	ng/ml		100
T AR1260 4	9.439	0.0	190989.523	24.6780	ng/ml		100
T AR1260 2 #2	9.786	0.0	186517.750	27.3002	ng/ml		100
T AR1260 3 #2	10.358	0.0	212885.966	25.5848	ng/ml		100
T AR1260 5	10.427	0.0	282413.248	29.8895	ng/ml		100
T AR1260 4 #2	10.868	0.0	137146.094	25.7731	ng/ml		100
T AR1260 5 #2	11.556	0.0	282507.841	6.7312	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

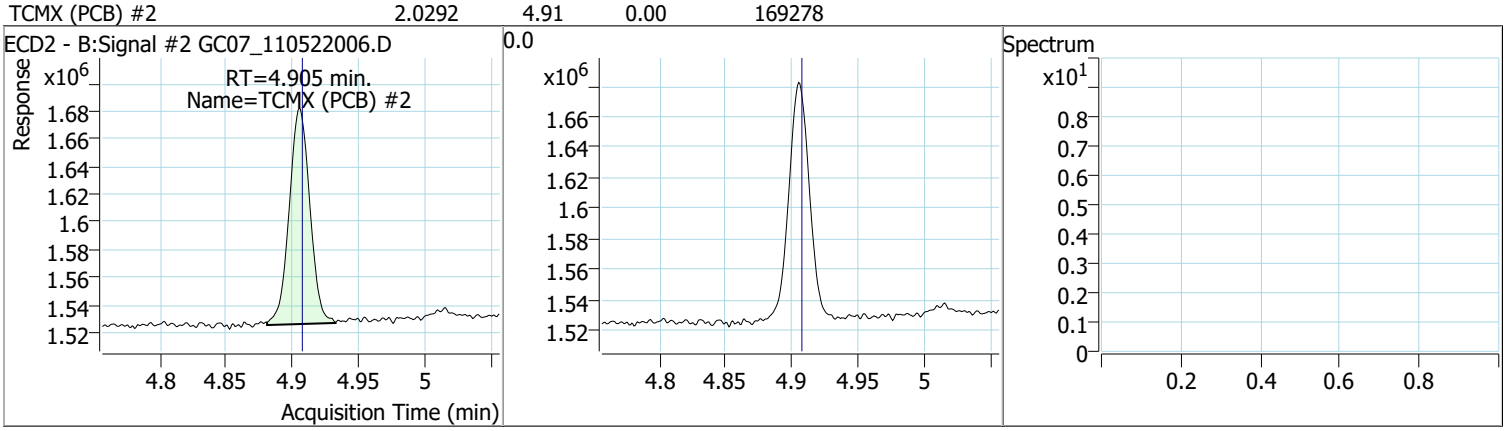
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.8754	4.52	0.00	249828				



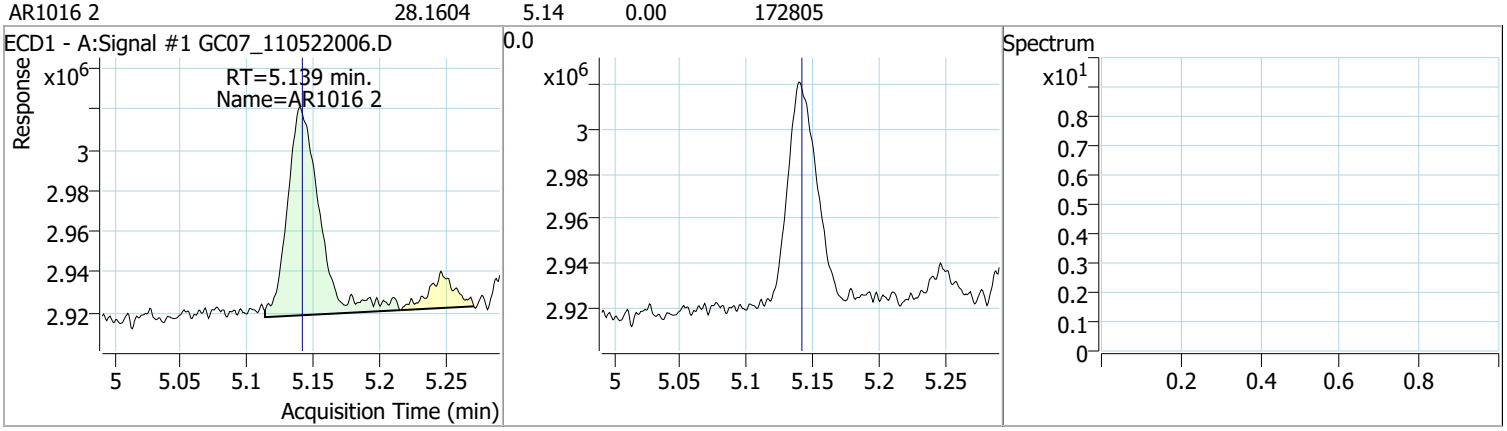
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	23.5943	4.84	0.00	71045				



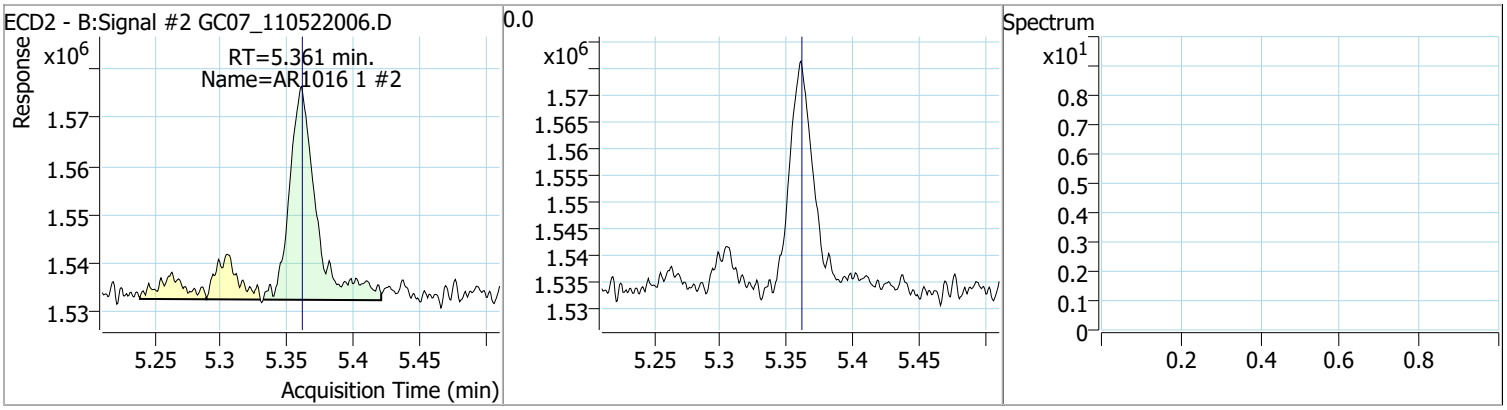
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	2.0292	4.91	0.00	169278				



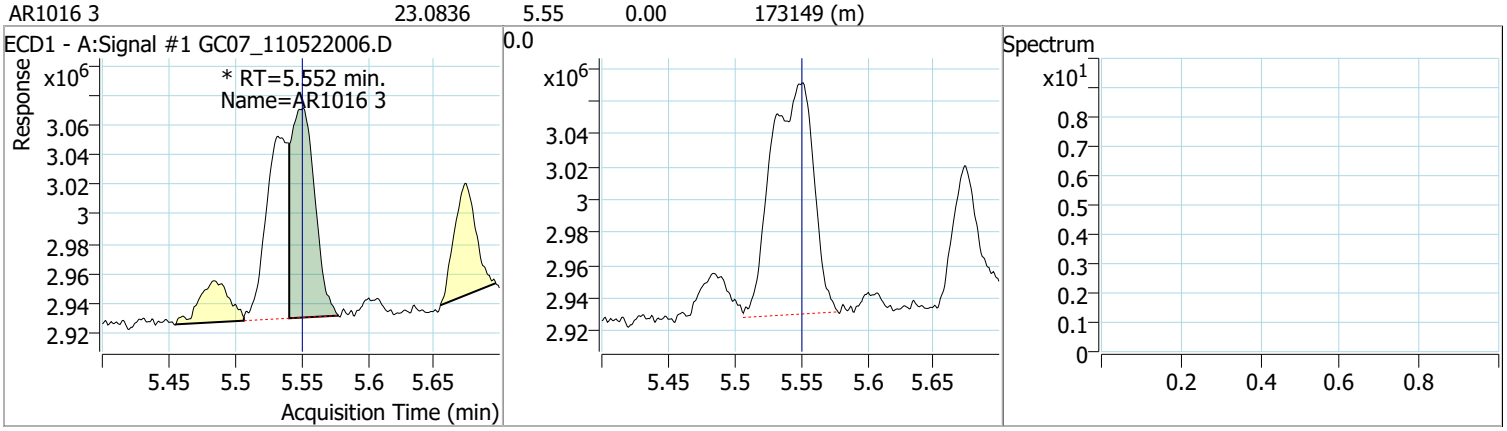
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	28.1604	5.14	0.00	172805				



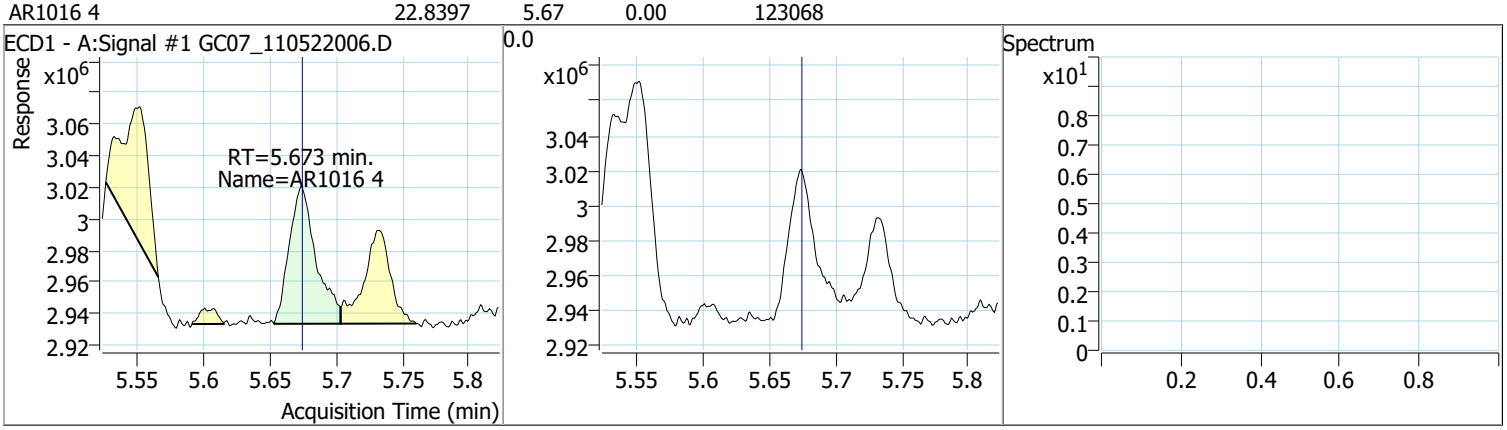
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	0.0000	5.36	0.00	62072				



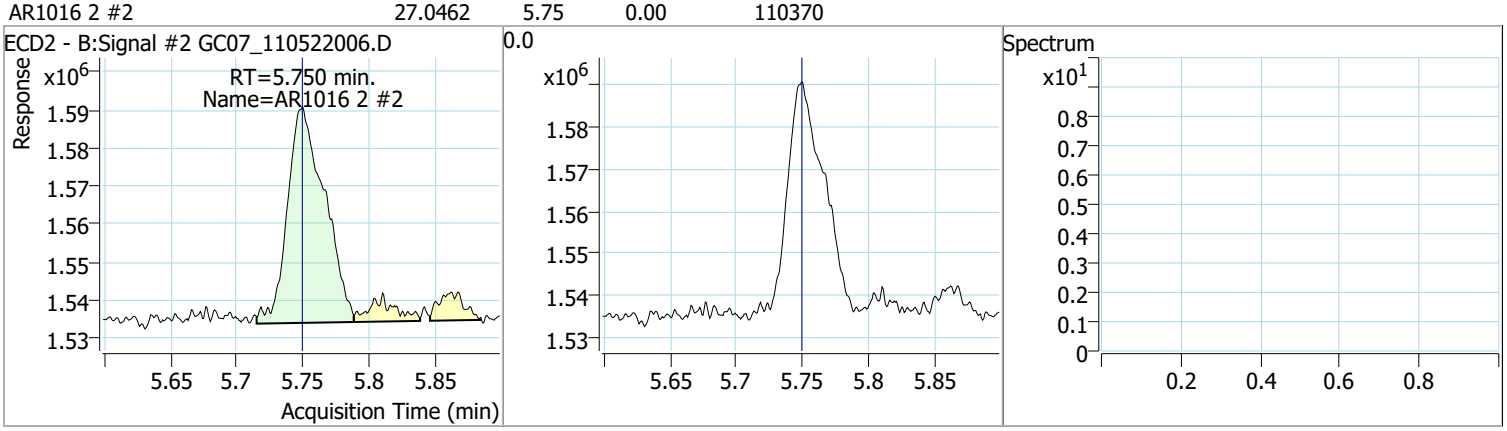
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	23.0836	5.55	0.00	173149 (m)				



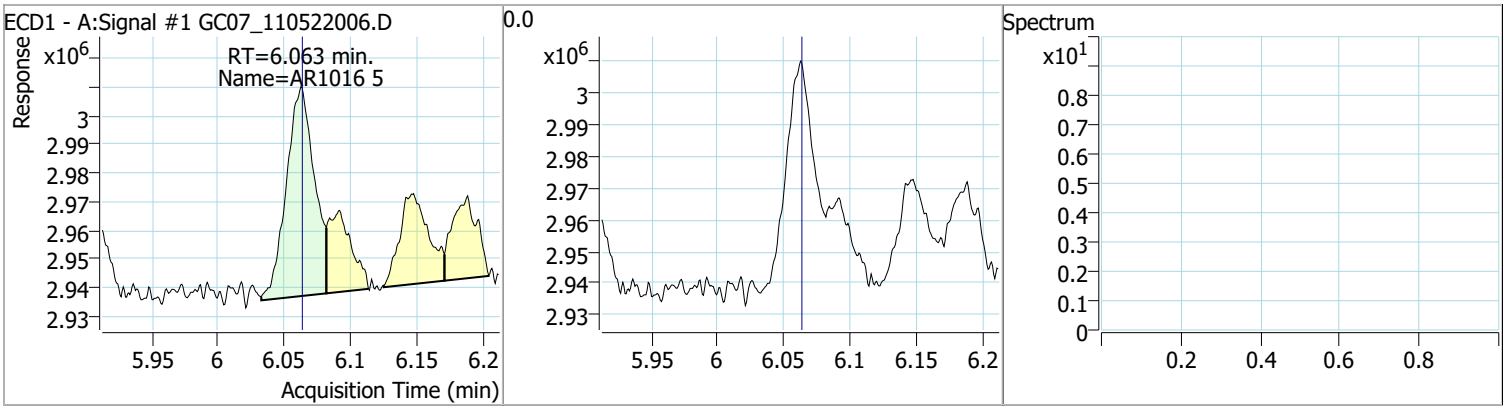
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	22.8397	5.67	0.00	123068				



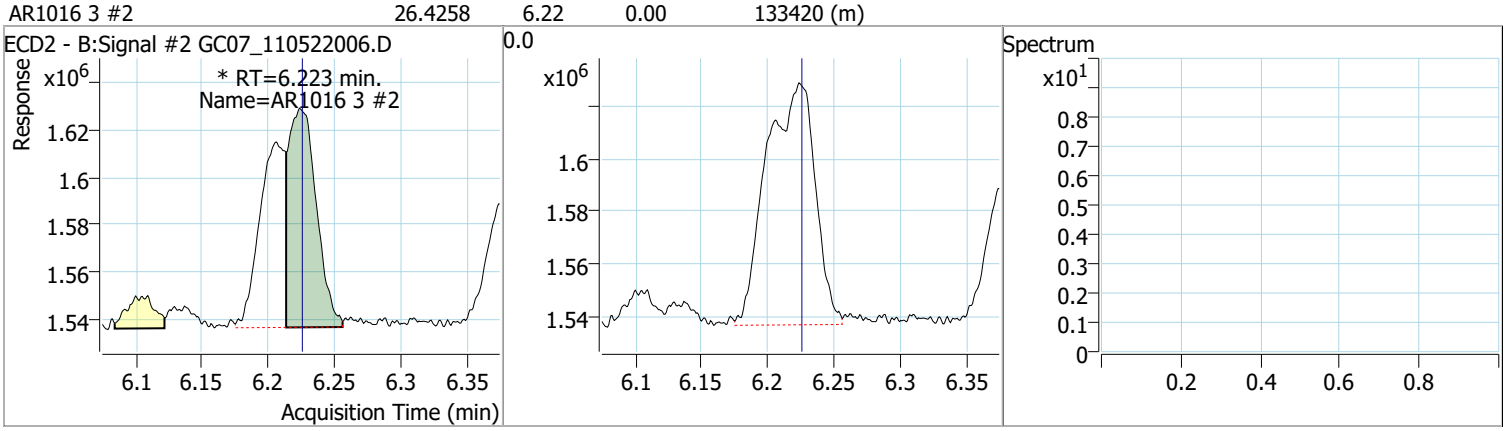
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	27.0462	5.75	0.00	110370				



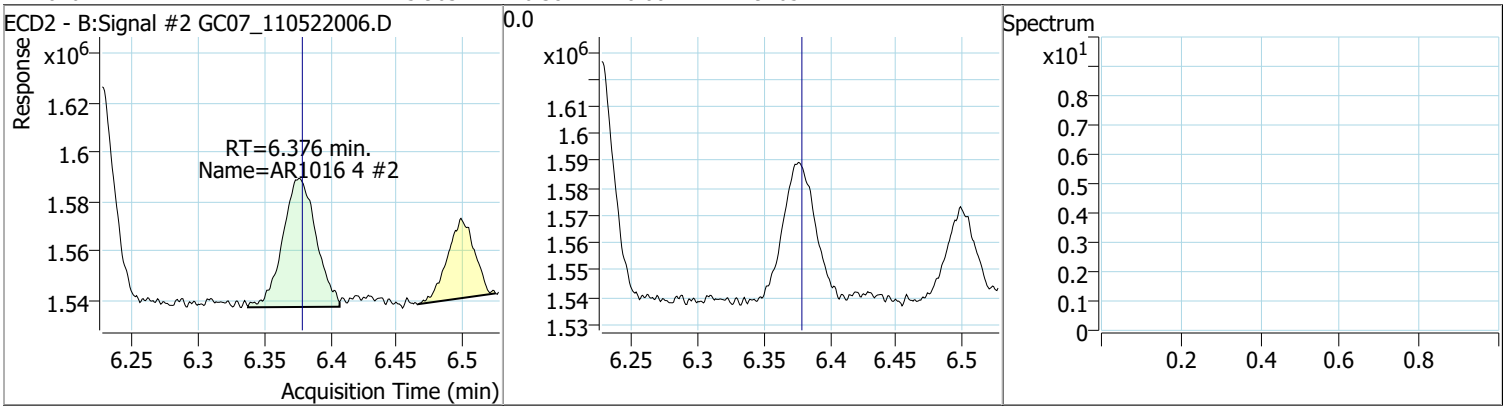
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	24.1795	6.06	0.00	107127				



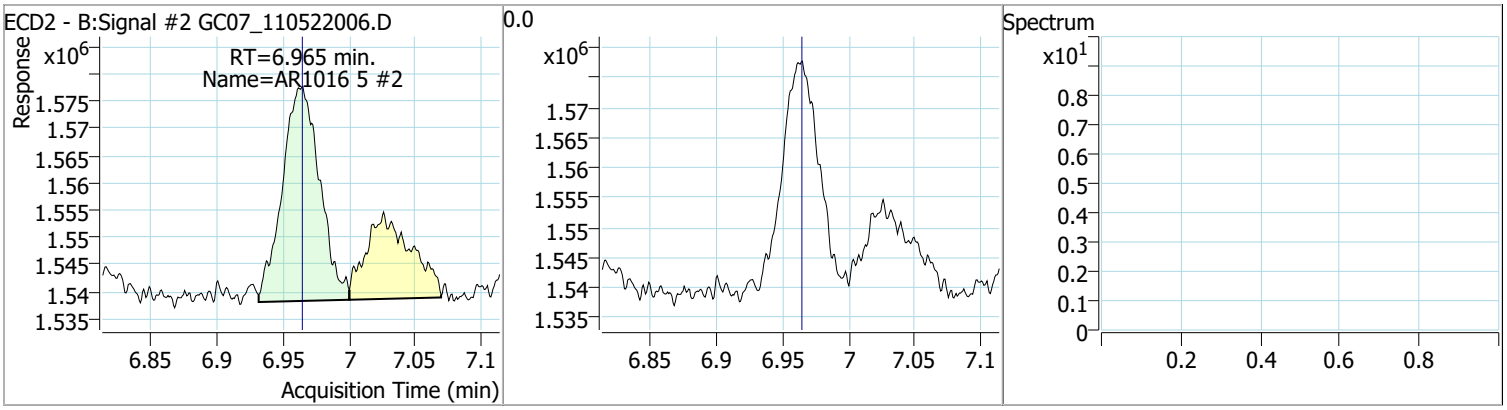
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	26.4258	6.22	0.00	133420 (m)				



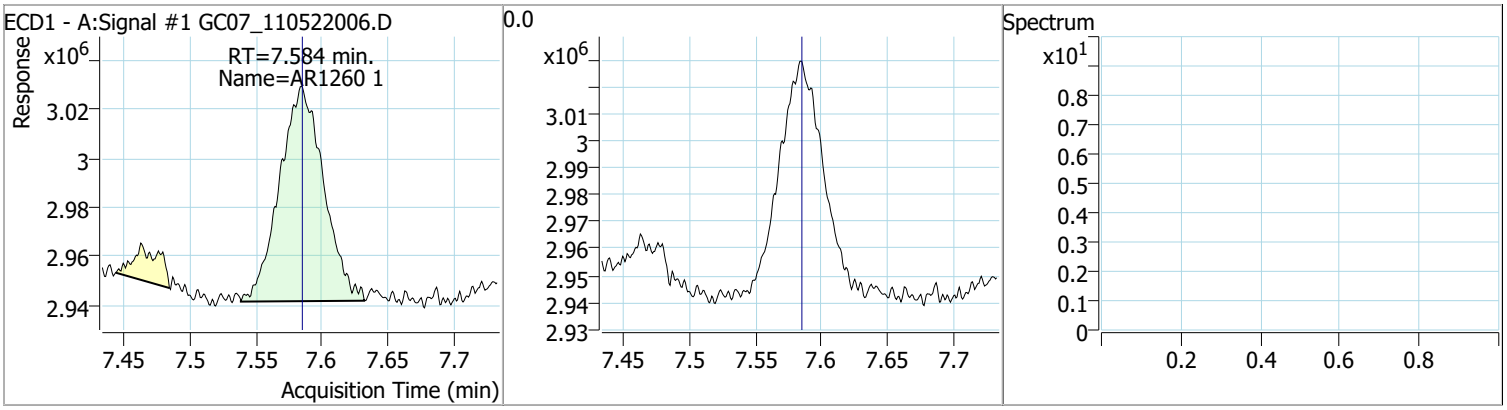
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	25.9632	6.38	0.00	91652				



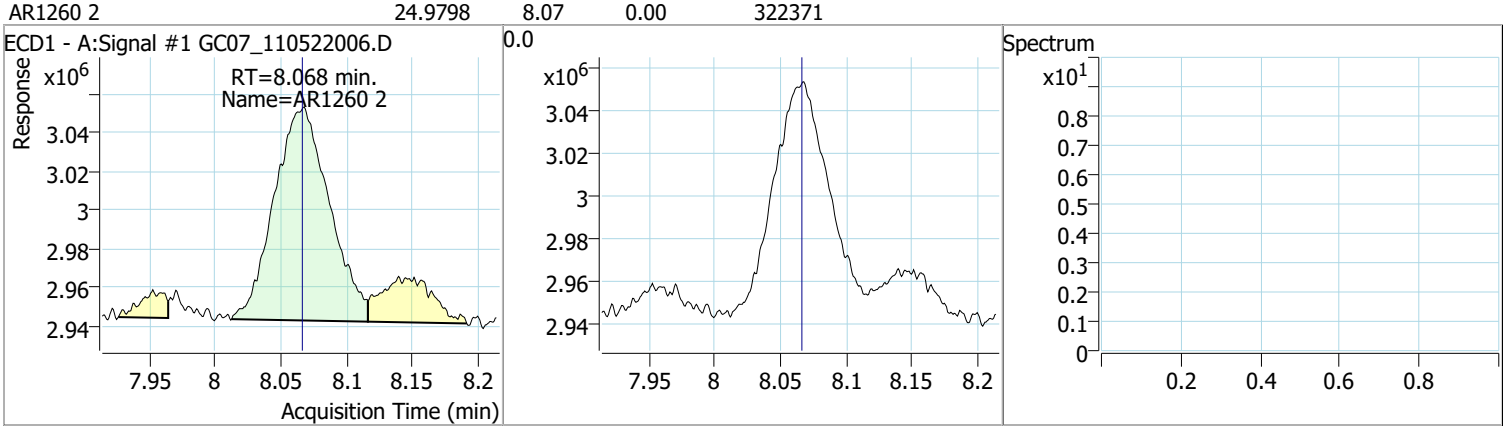
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	26.4443	6.97	0.00	77485				



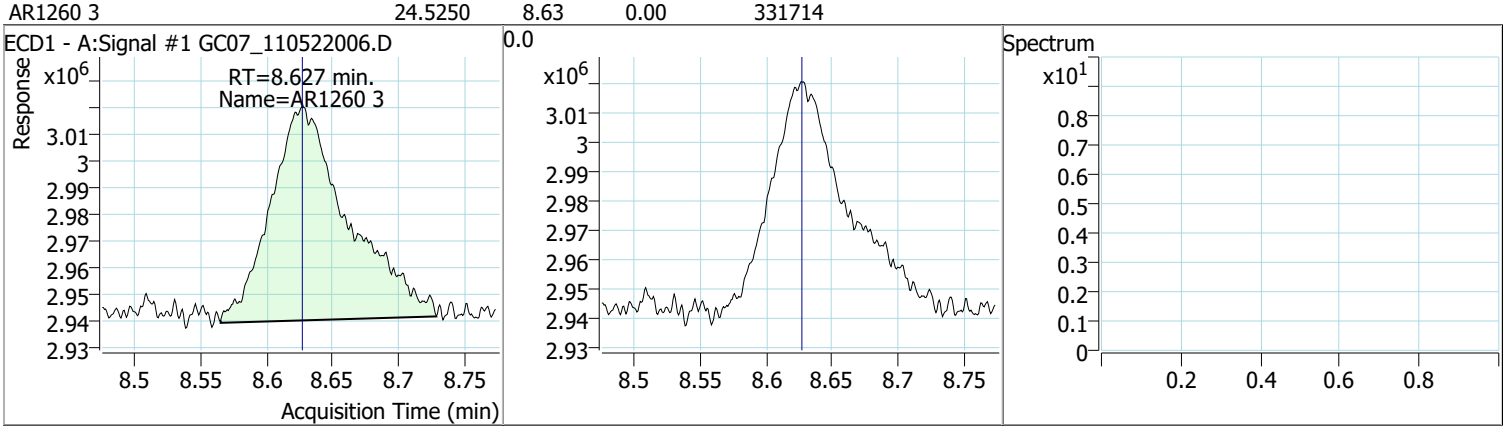
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	24.5025	7.58	0.00	204224				



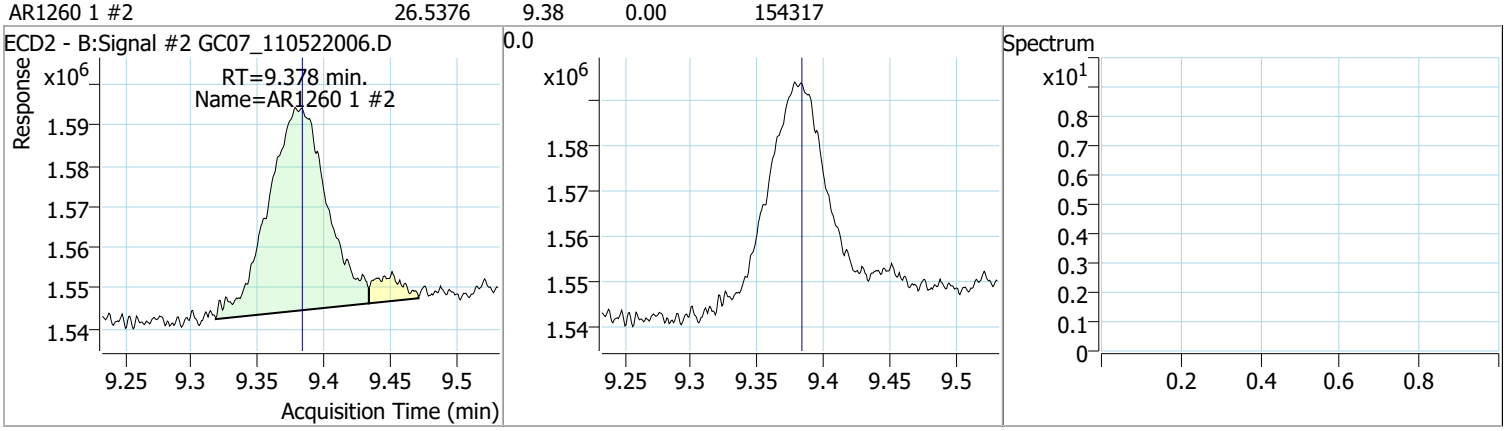
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	24.9798	8.07	0.00	322371				



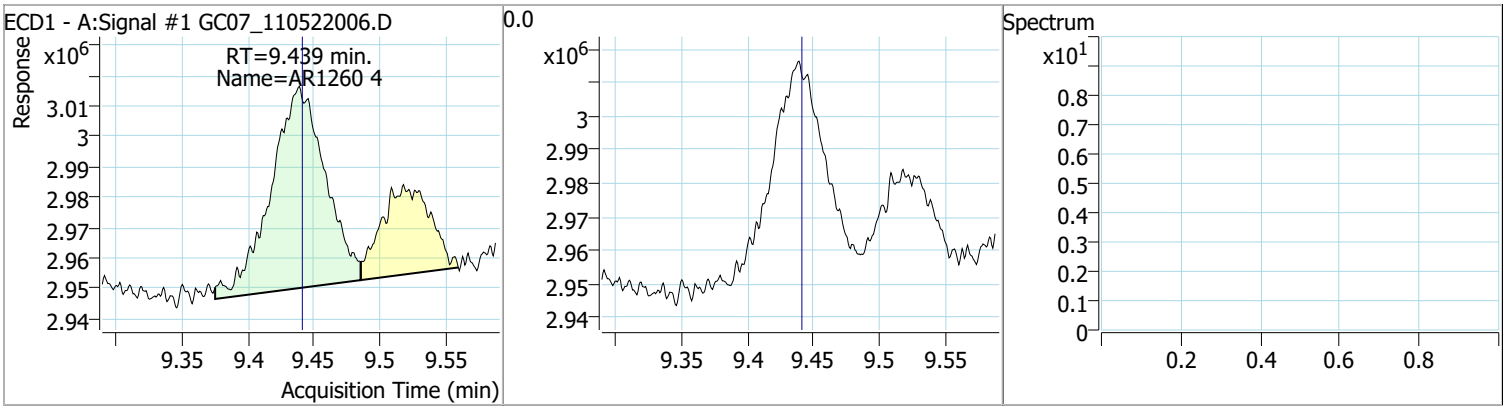
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	24.5250	8.63	0.00	331714				



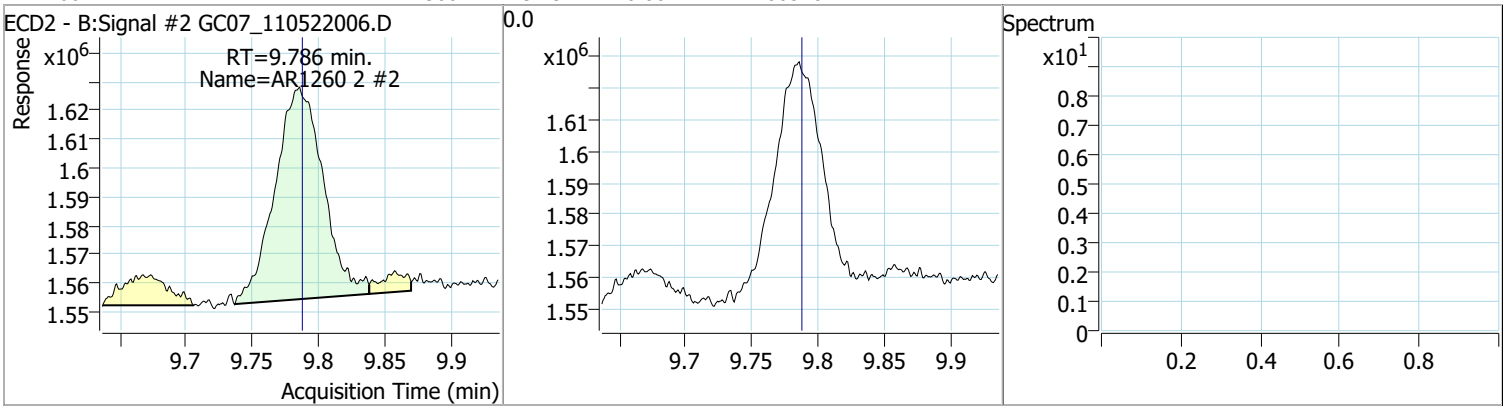
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	26.5376	9.38	0.00	154317				



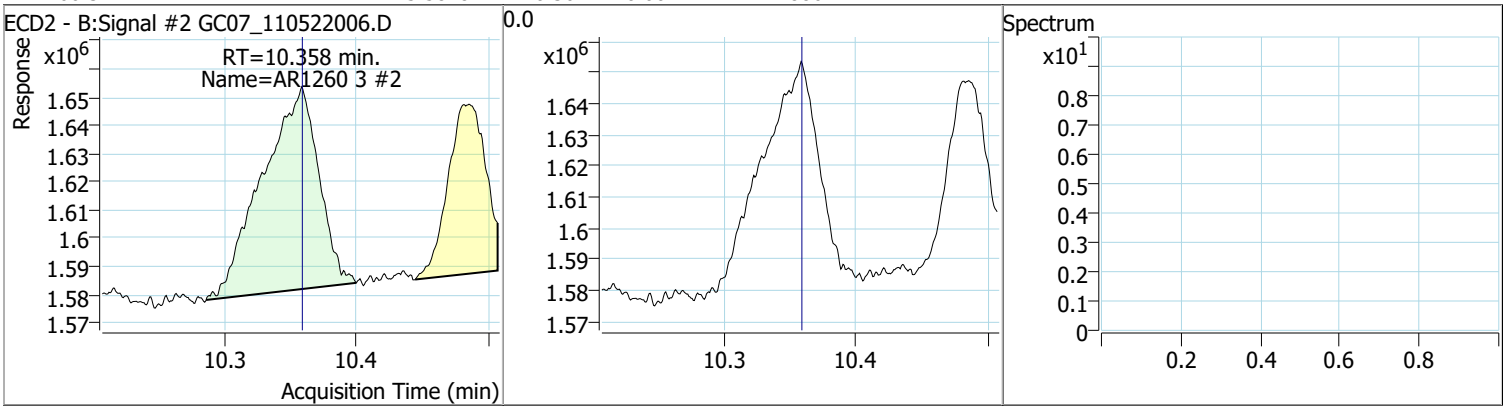
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	24.6780	9.44	0.00	190990				



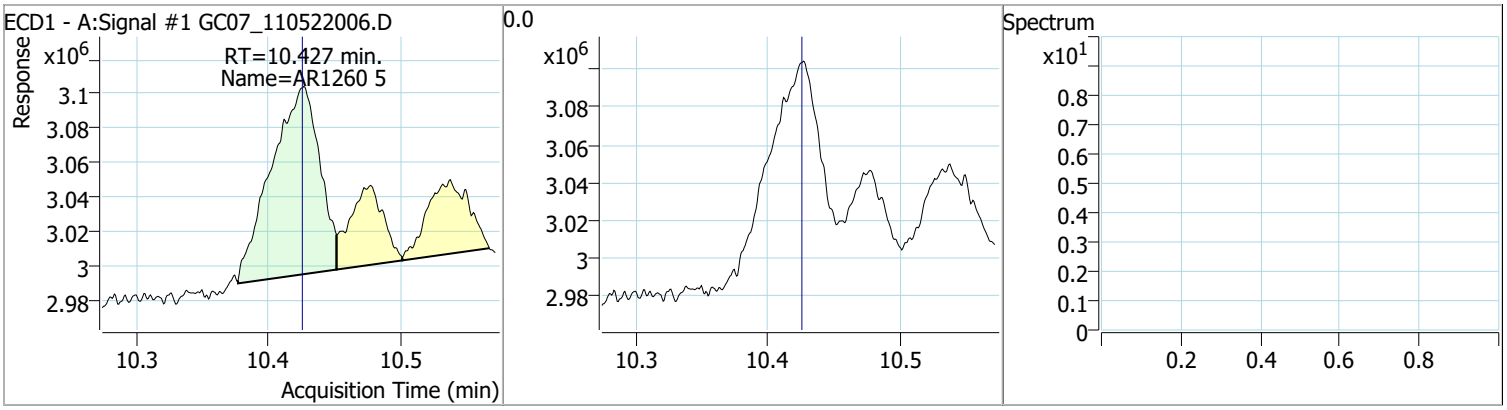
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	27.3002	9.79	0.00	186518				



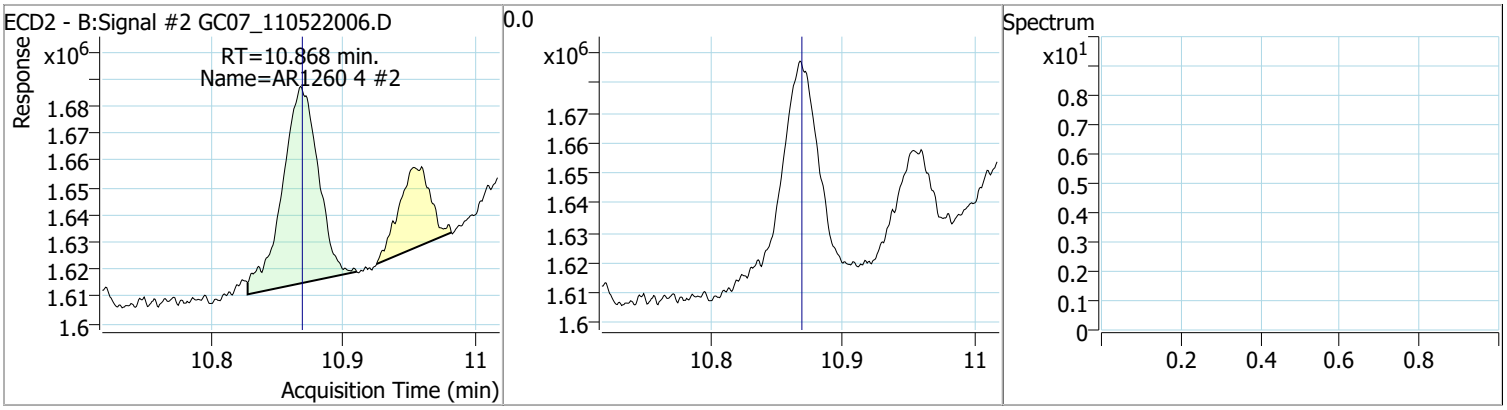
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	25.5848	10.36	0.00	212886				



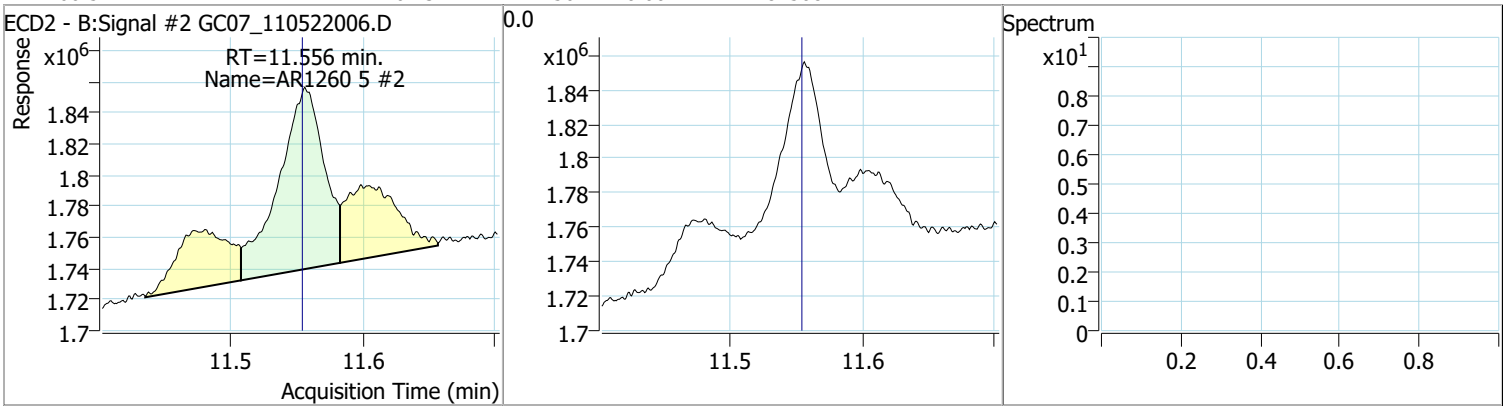
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	29.8895	10.43	0.00	282413				



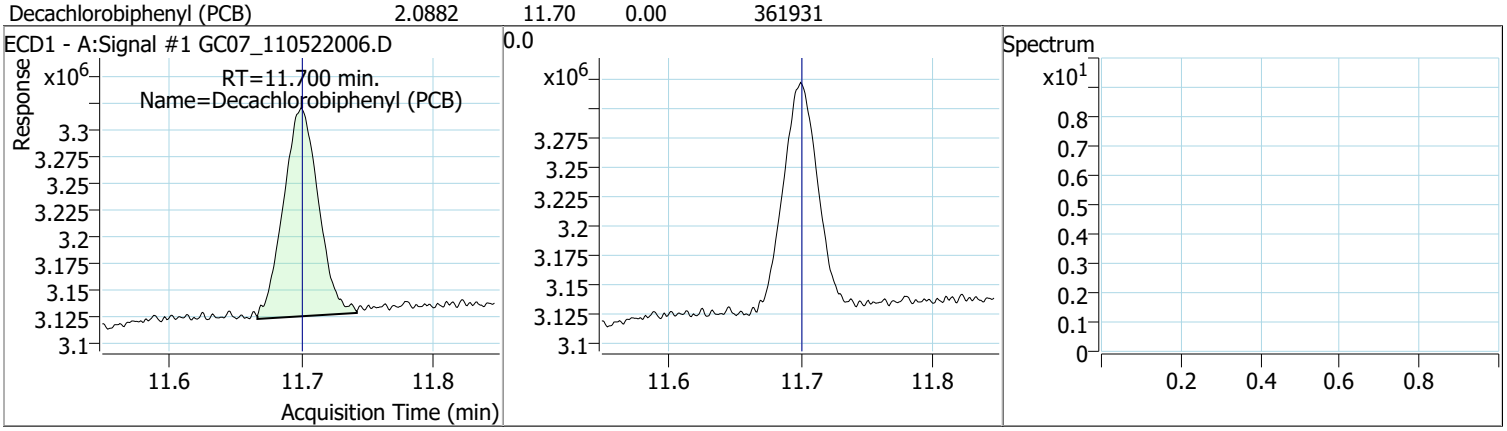
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	25.7731	10.87	0.00	137146				



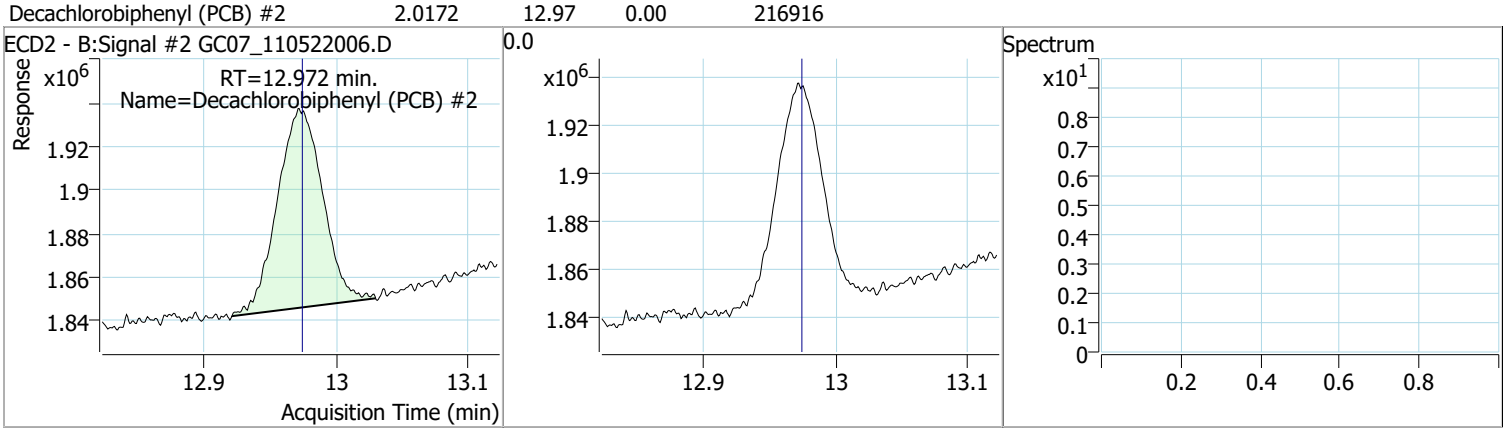
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	6.7312	11.56	0.00	282508				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	2.0882	11.70	0.00	361931				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.0172	12.97	0.00	216916				



Attachment 7

Results from PCB Extraction Method Comparison Study

PCB Extraction Method Comparison Analytical Results

Hangar 1 NTCRA

Former Naval Air Station Moffett Field, California

			PCBs									Surrogates	
			Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268	TCMX [a]	DCB [b]
Location ID	Sample Date	Extraction Method	Concentration - µg/100 cm^2									%REC	
20221209-2C-01	12/9/2022	3546	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	63	50
20221209-2C-01-DUP	12/9/2022	3572 (Modified)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	76	70
20221209-2C-02	12/9/2022	3546	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	59	55
20221209-2C-02-DUP	12/9/2022	3572 (Modified)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	77	70
20221209-2C-03	12/9/2022	3546	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	71	58
20221209-2C-03-DUP	12/9/2022	3572 (Modified)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	84	82
20221209-2C-04	12/9/2022	3546	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	74	58
20221209-2C-04-DUP	12/9/2022	3572 (Modified)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	78	71
20221209-2C-05	12/9/2022	3546	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	54	46
20221209-2C-05-DUP	12/9/2022	3572 (Modified)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	75	69
20221209-2C-06	12/9/2022	3546	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	62	59
20221209-2C-06-DUP	12/9/2022	3572 (Modified)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	80	69
20221209-2C-07	12/9/2022	3546	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	54	47
20221209-2C-07-DUP	12/9/2022	3572 (Modified)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	83	110
20221209-2C-08	12/9/2022	3546	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	67	54
20221209-2C-08-DUP	12/9/2022	3572 (Modified)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	72	65
20221209-2C-09	12/9/2022	3546	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	66	59
20221209-2C-09-DUP	12/9/2022	3572 (Modified)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	78	75
20221209-2C-10	12/9/2022	3546	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	54	53
20221209-2C-10-DUP	12/9/2022	3572 (Modified)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	74	71
ARCH-C5W-EXT-1 TO 2-221209-P-WF	12/9/2022	3546	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	72	74
ARCH-C5W-EXT-1 TO 2-221209-P-DUP-WF	12/9/2022	3572 (Modified)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	82	75
ARCH-C3W-DG-1.5 TO 2-DN-C3W-DG-221209-P-LA	12/9/2022	3546	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	59	53
ARCH-C3W-DG-1.5 TO 2-DN-C3W-DG-221209-P-DUP-LA	12/9/2022	3572 (Modified)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	72	58
ARCH-C5W-DG-2.5 TO 3-UP-C5.6-DG-221209-P-LA	12/9/2022	3546	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	58	62
ARCH-C5W-DG-2.5 TO 3-UP-C5.6-DG-221209-P-DUP-LA	12/9/2022	3572 (Modified)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	75	67
ARCH-C5W-INT-4.5 TO 5.5-221209-P-WF	12/9/2022	3546	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	51	52
ARCH-C5W-INT-4.5 TO 5.5-221209-P-DUP-WF	12/9/2022	3572 (Modified)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	72	63
ARCH-C2W-DG-4 TO 4.5-UP-C2.7-DG-221209-P-LA	12/9/2022	3546	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	69	70
ARCH-C2W-DG-4 TO 4.5-UP-C2.7-DG-221209-P-DUP-LA	12/9/2022	3572 (Modified)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	75	94
20221209-3CD-01	12/9/2022	3546	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	84	76
20221209-3CD-01-DUP	12/9/2022	3572 (Modified)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	77	74
20221209-3CD-02	12/9/2022	3546	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	61	61
20221209-3CD-02-DUP	12/9/2022	3572 (Modified)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	68	58
20221209-3CD-03	12/9/2022	3546	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	66	64
20221209-3CD-03-DUP	12/9/2022	3572 (Modified)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	70	64

PCB Extraction Method Comparison Analytical Results

Hangar 1 NTCRA

Former Naval Air Station Moffett Field, California

			PCBs									Surrogates	
			Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268	TCMX [a]	DCB [b]
Location ID	**Sample Date**	**Extraction Method**	**Concentration - µg/100 cm^2**									%REC	
20221209-3CD-04	12/9/2022	3546	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	66	54
20221209-3CD-04-DUP	12/9/2022	3572 (Modified)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	72	67
20221209-3CD-05	12/9/2022	3546	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	76	60
20221209-3CD-05-DUP	12/9/2022	3572 (Modified)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	75	89
Cleanup/Clearance Goal (Most Conservative Case)			**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**		

Acronyms and Abbreviations:

DCB: Decachlorobiphenyl

EPA: United States Environmental Protection Agency

µg/100 cm^2: micrograms per 100 square centimeters

NTCRA: Non-Time-Critical Removal Action

PCBs: polychlorinated biphenyls

TCMX: Tetrachloro-m-xylene

Notes:

Bolded values indicate constituents detected above laboratory reporting limits.

Shaded values indicate constituents reported at concentrations above the Cleanup Goal.

[a] The acceptable surrogate recovery for TCMX using EPA Method 3546 ranges from 19 to 121-percent, while the acceptable surrogate recovery for TCMX using EPA Method 3572 (Modified) ranges from 52 to 186-percent.

[b] The acceptable surrogate recovery for DCB using EPA Method 3546 ranges from 19 to 121-percent, while the acceptable surrogate recovery for TCMX using EPA Method 3572 (Modified) ranges from 50 to 150-percent.

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 474711
Report Level: IV
Report Date: 12/22/2022

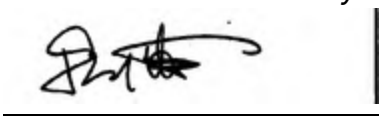
PCBs

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	474711
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	12/09/22

Sample ID	Lab ID	Collected	Matrix
20221209-2C-01	474711-001	12/09/22 09:30	Wipe
20221209-2C-01-DUP	474711-002	12/09/22 09:30	Wipe
20221209-2C-02	474711-003	12/09/22 09:35	Wipe
20221209-2C-02-DUP	474711-004	12/09/22 09:35	Wipe
20221209-2C-03	474711-005	12/09/22 09:40	Wipe
20221209-2C-03-DUP	474711-006	12/09/22 09:40	Wipe
20221209-2C-04	474711-007	12/09/22 09:45	Wipe
20221209-2C-04-DUP	474711-008	12/09/22 09:45	Wipe
20221209-2C-05	474711-009	12/09/22 09:50	Wipe
20221209-2C-05-DUP	474711-010	12/09/22 09:50	Wipe
20221209-2C-06	474711-011	12/09/22 09:55	Wipe
20221209-2C-06-DUP	474711-012	12/09/22 09:55	Wipe
20221209-2C-07	474711-013	12/09/22 10:00	Wipe
20221209-2C-07-DUP	474711-014	12/09/22 10:00	Wipe
20221209-2C-08	474711-015	12/09/22 10:05	Wipe
20221209-2C-08-DUP	474711-016	12/09/22 10:05	Wipe
20221209-2C-09	474711-017	12/09/22 10:10	Wipe
20221209-2C-09-DUP	474711-018	12/09/22 10:10	Wipe
20221209-2C-10	474711-019	12/09/22 10:15	Wipe
20221209-2C-10-DUP	474711-020	12/09/22 10:15	Wipe

ENTHALPY ANALYTICAL

Case Narrative

PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 474711 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 12/09/22

This data package contains sample and QC results for twenty wipe samples, requested for the above referenced project on 12/09/22. See attached cooler receipt form for any sample receipt problems or discrepancies.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

474711

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)					
Standard:		5 Day:		3 Day:	
2 Day:		1 Day:	X	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3580/ 8082	PCBs - EPA Method 3546/8082	HOLD	Test Instructions / Comments
1	20221209-2C-01	12/9/2022	0930	WP	1			x		**Confirmation Wipe Samples - Level IV Report/Stage 3 Validation** Report PCB concentrations on a µg/100cm² basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 2 Enclosure C
2	20221209-2C-01-DUP	12/9/2022	0930	WP	1		x			
3	20221209-2C-02	12/9/2022	0935	WP	1			x		
4	20221209-2C-02-DUP	12/9/2022	0935	WP	1		x			
5	20221209-2C-03	12/9/2022	0940	WP	1			x		
6	20221209-2C-03-DUP	12/9/2022	0940	WP	1		x			
7	20221209-2C-04	12/9/2022	0945	WP	1			x		
8	20221209-2C-04-DUP	12/9/2022	0945	WP	1		x			
9	20221209-2C-05	12/9/2022	0950	WP	1			x		
10	20221209-2C-05-DUP	12/9/2022	0950	WP	1		x			
11	20221209-2C-06	12/9/2022	0955	WP	1			x		
12	20221209-2C-06-DUP	12/9/2022	0955	WP	1		x			
13	20221209-2C-07	12/9/2022	1000	WP	1			x		
14	20221209-2C-07-DUP	12/9/2022	1000	WP	1		x			
15	20221209-2C-08	12/9/2022	1005	WP	1			x		

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon/Env Scientist	12/9/22 @ 1530
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	12/9/22 @ 15:30
2 Relinquished By:	Audrey Hudson	"	"	12/9/22 @ 16:52
2 Received By:			BL	12/9/22 16:50
3 Relinquished By:				
3 Received By:		Elizabeth Ram	EA	12/10/22 8:05

Cooler # F. 2.5 | 3.4

474711

474711 12/10/22 JG

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:	X (PCBs)		

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3580/8082	PCBs - EPA Method 3546/8082	HOLD	Test Instructions / Comments
16	20221209-2C-08-DUP	12/9/2022	1005	WP	1		x			Confirmation Wipe Samples - Level IV Report/Stage 3 Validation Report PCB concentrations on a µg/100cm² basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 2 Enclosure C
17	20221209-2C-09	12/9/2022	1010	WP	1			x		
18	20221209-2C-09-DUP	12/9/2022	1010	WP	1		x			
19	20221209-2C-10	12/9/2022	1015	WP	1			x		
20	20221209-2C-10-DUP	12/9/2022	1015	WP	1		x			
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon/Env Scientist	12/9/22 @ 1530
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	12/9/22 @ 15:30
2 Relinquished By:	Audrey Hudson	〃	〃	12/9/22 16:50
2 Received By:				12/9/22 16:50
3 Relinquished By:				
3 Received By:				12/10/22 8:00

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 474711 Client: Rincon

Date Received: 12.9.22 Project: _____

ENTHALPY ANALYTICAL

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No (**skip Section 3 below**)

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 12.9.22 By (print) Jak Peterson (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☑ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☑ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☑ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 12.9.22 **By (print)** JP for LF **(sign)** _____

Date Labeled 12.9.22 **By (print)** Jak Peterson **(sign)** _____

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon

Project: Hangar 1 -NCTRA WP

Date Received: 12/10/22

Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.4 #2: _____ #3: _____ #4: _____

(Acceptance ronge is < 6°C but not frozen (for Microbiology samples, occeptonce range is < 10°C but not frozen). It is acceptable for somples collected the same doy os sample receipt to have o higher temperoture os long os there is evidence thot cooling has begun.)

Shipping Information: TPX

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 2.5 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 12/10/22

Results & QC Summary

Enthalpy Analytical - Orange Analytical Report

Lab #: 474711 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 20221209-2C-01 **Batch#:** 303182 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474711-001 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

Dil n Fac: 1.000 **Analyzed:** 12/15/22

474711-001 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474711-001 Surrogate	%REC	Limits
TCMX (PCB)	63	19-121
Decachlorobiphenyl (PCB)	50	19-121

Field ID: 20221209-2C-02 **Batch#:** 303182 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474711-003 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

Dil n Fac: 1.000 **Analyzed:** 12/15/22

474711-003 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474711-003 Surrogate	%REC	Limits
TCMX (PCB)	59	19-121
Decachlorobiphenyl (PCB)	55	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 474711 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 20221209-2C-03 **Batch#:** 303182 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474711-005 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

DiIn Fac: 1.000 **Analyzed:** 12/15/22

474711-005 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474711-005 Surrogate	%REC	Limits
TCMX (PCB)	71	19-121
Decachlorobiphenyl (PCB)	58	19-121

Field ID: 20221209-2C-04 **Batch#:** 303182 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474711-007 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

DiIn Fac: 1.000 **Analyzed:** 12/15/22

474711-007 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474711-007 Surrogate	%REC	Limits
TCMX (PCB)	74	19-121
Decachlorobiphenyl (PCB)	58	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 474711 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 20221209-2C-05 **Batch#:** 303182 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474711-009 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

Dil Fac: 1.000 **Analyzed:** 12/15/22

474711-009 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474711-009 Surrogate	%REC	Limits
TCMX (PCB)	54	19-121
Decachlorobiphenyl (PCB)	46	19-121

Field ID: 20221209-2C-06 **Batch#:** 303182 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474711-011 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

Dil Fac: 1.000 **Analyzed:** 12/15/22

474711-011 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474711-011 Surrogate	%REC	Limits
TCMX (PCB)	62	19-121
Decachlorobiphenyl (PCB)	59	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 474711 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 20221209-2C-07 **Batch#:** 303182 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474711-013 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

Dil Fac: 1.000 **Analyzed:** 12/15/22

474711-013 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474711-013 Surrogate	%REC	Limits
TCMX (PCB)	54	19-121
Decachlorobiphenyl (PCB)	47	19-121

Field ID: 20221209-2C-08 **Batch#:** 303182 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474711-015 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

Dil Fac: 1.000 **Analyzed:** 12/15/22

474711-015 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474711-015 Surrogate	%REC	Limits
TCMX (PCB)	67	19-121
Decachlorobiphenyl (PCB)	54	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 474711 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 20221209-2C-09 **Batch#:** 303182 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474711-017 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

Dil n Fac: 1.000 **Analyzed:** 12/15/22

474711-017 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474711-017 Surrogate	%REC	Limits
TCMX (PCB)	66	19-121
Decachlorobiphenyl (PCB)	59	19-121

Field ID: 20221209-2C-10 **Batch#:** 303182 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474711-019 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

Dil n Fac: 1.000 **Analyzed:** 12/15/22

474711-019 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474711-019 Surrogate	%REC	Limits
TCMX (PCB)	54	19-121
Decachlorobiphenyl (PCB)	53	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 474711 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 303182 **Analysis:** EPA 8082

Lab ID: QC1031899 **Prepared:** 12/14/22 **Analyst:** MES

Matrix: Wipe **Analyzed:** 12/15/22

DilnFac: 1.000 **Prep:** EPA 3546

QC1031899 Analyte	Result	RL	Units
Aroclor-1016	ND	0.25	ug/100 cm2
Aroclor-1221	ND	0.41	ug/100 cm2
Aroclor-1232	ND	0.25	ug/100 cm2
Aroclor-1242	ND	0.25	ug/100 cm2
Aroclor-1248	ND	0.25	ug/100 cm2
Aroclor-1254	ND	0.25	ug/100 cm2
Aroclor-1260	ND	0.25	ug/100 cm2
Aroclor-1262	ND	0.25	ug/100 cm2
Aroclor-1268	ND	0.46	ug/100 cm2

QC1031899 Surrogate	%REC	Limits
TCMX (PCB)	81	19-121
Decachlorobiphenyl (PCB)	68	19-121

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 474711 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 20221209-2C-01-DUP **Batch#:** 303181 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474711-002 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

Dil n Fac: 1.000 **Analyzed:** 12/14/22

474711-002 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474711-002 Surrogate	%REC	Limits
TCMX (PCB)	76	52-186
Decachlorobiphenyl (PCB)	70	50-150

Field ID: 20221209-2C-02-DUP **Batch#:** 303181 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474711-004 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

Dil n Fac: 1.000 **Analyzed:** 12/14/22

474711-004 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474711-004 Surrogate	%REC	Limits
TCMX (PCB)	77	52-186
Decachlorobiphenyl (PCB)	70	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 474711 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 20221209-2C-03-DUP **Batch#:** 303181 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082
Lab ID: 474711-006 **Received:** 12/09/22 **Analyst:** MES
Matrix: Wipe **Prepared:** 12/14/22
Dil Fac: 1.000 **Analyzed:** 12/14/22

474711-006 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474711-006 Surrogate	%REC	Limits
TCMX (PCB)	84	52-186
Decachlorobiphenyl (PCB)	82	50-150

Field ID: 20221209-2C-04-DUP **Batch#:** 303181 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082
Lab ID: 474711-008 **Received:** 12/09/22 **Analyst:** MES
Matrix: Wipe **Prepared:** 12/14/22
Dil Fac: 1.000 **Analyzed:** 12/14/22

474711-008 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474711-008 Surrogate	%REC	Limits
TCMX (PCB)	78	52-186
Decachlorobiphenyl (PCB)	71	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 474711 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 20221209-2C-05-DUP **Batch#:** 303181 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082
Lab ID: 474711-010 **Received:** 12/09/22 **Analyst:** MES
Matrix: Wipe **Prepared:** 12/14/22
Dil Fac: 1.000 **Analyzed:** 12/14/22

474711-010 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474711-010 Surrogate	%REC	Limits
TCMX (PCB)	75	52-186
Decachlorobiphenyl (PCB)	69	50-150

Field ID: 20221209-2C-06-DUP **Batch#:** 303181 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082
Lab ID: 474711-012 **Received:** 12/09/22 **Analyst:** MES
Matrix: Wipe **Prepared:** 12/14/22
Dil Fac: 1.000 **Analyzed:** 12/14/22

474711-012 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474711-012 Surrogate	%REC	Limits
TCMX (PCB)	80	52-186
Decachlorobiphenyl (PCB)	69	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 474711 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 20221209-2C-07-DUP **Batch#:** 303181 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082
Lab ID: 474711-014 **Received:** 12/09/22 **Analyst:** TRN
Matrix: Wipe **Prepared:** 12/14/22
Dil Fac: 1.000 **Analyzed:** 12/15/22

474711-014 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474711-014 Surrogate	%REC	Limits
TCMX (PCB)	83	52-186
Decachlorobiphenyl (PCB)	110	50-150

Field ID: 20221209-2C-08-DUP **Batch#:** 303181 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082
Lab ID: 474711-016 **Received:** 12/09/22 **Analyst:** MES
Matrix: Wipe **Prepared:** 12/14/22
Dil Fac: 1.000 **Analyzed:** 12/14/22

474711-016 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474711-016 Surrogate	%REC	Limits
TCMX (PCB)	72	52-186
Decachlorobiphenyl (PCB)	65	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 474711 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 20221209-2C-09-DUP **Batch#:** 303181 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082
Lab ID: 474711-018 **Received:** 12/09/22 **Analyst:** MES
Matrix: Wipe **Prepared:** 12/14/22
Dil Fac: 1.000 **Analyzed:** 12/14/22

474711-018 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474711-018 Surrogate	%REC	Limits
TCMX (PCB)	78	52-186
Decachlorobiphenyl (PCB)	75	50-150

Field ID: 20221209-2C-10-DUP **Batch#:** 303181 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082
Lab ID: 474711-020 **Received:** 12/09/22 **Analyst:** MES
Matrix: Wipe **Prepared:** 12/14/22
Dil Fac: 1.000 **Analyzed:** 12/14/22

474711-020 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474711-020 Surrogate	%REC	Limits
TCMX (PCB)	74	52-186
Decachlorobiphenyl (PCB)	71	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 474711 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 303181 **Analysis:** EPA 8082

Lab ID: QC1031896 **Prepared:** 12/14/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 12/14/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1031896 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1031896 Surrogate	%REC	Limits
TCMX (PCB)	96	52-186
Decachlorobiphenyl (PCB)	88	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 474711 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 303181 **Analysis:** EPA 8082

Lab ID: QC1031897 **Prepared:** 12/14/22 **Analyst:** MES

Matrix: Wipe **Analyzed:** 12/14/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1031897 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.732	115	60-140	ug/100 cm2
Aroclor-1260	5.000	5.120	102	60-140	ug/100 cm2

QC1031897 Surrogate	%REC	Limits
TCMX (PCB)	102	52-186
Decachlorobiphenyl (PCB)	93	60-140

Type: BSD **Batch#:** 303181 **Analysis:** EPA 8082

Lab ID: QC1031898 **Prepared:** 12/14/22 **Analyst:** MES

Matrix: Wipe **Analyzed:** 12/14/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1031898 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.919	118	60-140	ug/100 cm2	3	20
Aroclor-1260	5.000	5.577	112	60-140	ug/100 cm2	9	20

QC1031898 Surrogate	%REC	Limits
TCMX (PCB)	103	52-186
Decachlorobiphenyl (PCB)	98	60-140

Legend

RPD: Relative Percent Difference

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 474711 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 303182 **Analysis:** EPA 8082

Lab ID: QC1031900 **Prepared:** 12/14/22 **Analyst:** MES

Matrix: Wipe **Analyzed:** 12/15/22

Diln Fac: 1.000 **Prep:** EPA 3546

QC1031900 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.910	78	60-140	ug/100 cm2
Aroclor-1260	5.000	3.780	76	60-140	ug/100 cm2

QC1031900 Surrogate	%REC	Limits
TCMX (PCB)	74	19-121
Decachlorobiphenyl (PCB)	63	19-121

Type: BSD **Batch#:** 303182 **Analysis:** EPA 8082

Lab ID: QC1031901 **Prepared:** 12/14/22 **Analyst:** MES

Matrix: Wipe **Analyzed:** 12/15/22

Diln Fac: 1.000 **Prep:** EPA 3546

QC1031901 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.672	93	60-140	ug/100 cm2	18	20
Aroclor-1260	5.000	4.468	89	60-140	ug/100 cm2	17	20

QC1031901 Surrogate	%REC	Limits
TCMX (PCB)	91	19-121
Decachlorobiphenyl (PCB)	79	19-121

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 474711 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_102422014	452428510014		24-OCT-2022 17:26	S17263
L2	gc06_102422015	452428510015		24-OCT-2022 17:44	S17264
L3	gc06_102422016	452428510016		24-OCT-2022 18:02	S17265
L4	gc06_102422017	452428510017		24-OCT-2022 18:20	S17266
L5	gc06_102422018	452428510018		24-OCT-2022 18:38	S17267
L6	gc06_102422019	452428510019		24-OCT-2022 18:55	S17268
L7	gc06_102422020	452428510020		24-OCT-2022 19:13	S17269
L8	gc06_102422021	452428510021		24-OCT-2022 19:31	S17270
L9	gc06_102422022	452428510022		24-OCT-2022 19:49	S17271

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		47.6898		0.0210		15	9	.99	20	
Aroclor-1016 Peak # 2	A	LINR	-15.389	23.9841		0.0490	0.997		7	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		18.8095		0.0532		15	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		24.7311		0.0404		14	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		30.7045		0.0326		15	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		14.7882		0.0676		18	8	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		9.70243		0.1031		17	8	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		9.28268		0.1077		17	8	.99	20	
Aroclor-1260 Peak # 4	A	LINR	-15.439	17.5746		0.0643	0.998		7	.99	20	
Aroclor-1260 Peak # 5	A	LINR	-18.106	8.33830		0.1368	0.999		8	.99	20	
Decachlorobiphenyl (PCB)	A	LINR	-4.3231	0.82496		1.4080	0.999		6	.99	20	
TCMX (PCB)	A	AVRG		1.03996		0.9616		13	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		48.1076		0.0208		13	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		33.3260		0.0300		14	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		18.3412		0.0545		16	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		25.6912		0.0389		12	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		31.6065		0.0316		13	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		16.8009		0.0595		14	8	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		13.9830		0.0715		15	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		11.0470		0.0905		16	8	.99	20	
Aroclor-1260 Peak # 4	B	LINR	-23.653	20.1271		0.0597	0.996		7	.99	20	
Aroclor-1260 Peak # 5	B	LINR	-18.665	13.2930		0.0873	0.999		8	.99	20	
Decachlorobiphenyl (PCB)	B	LINR	-2.1138	0.98301		1.2084	0.999		8	.99	20	
TCMX (PCB)	B	AVRG		1.04112		0.9605		10	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor
LINR: Linear regression

ENTHALPY INITIAL CALIBRATION FOR 474711 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0275	0.0229	0.0229	0.0213	0.0183	0.0203	0.0197	0.0189	0.0170
Aroclor-1016 Peak # 2	A	0.0705	0.0493	0.0498	0.0471	0.0402	0.0443	0.0419		
Aroclor-1016 Peak # 3	A	0.0694	0.0572	0.0577	0.0553	0.0469	0.0521	0.0499	0.0477	0.0422
Aroclor-1016 Peak # 4	A	0.0506	0.0443	0.0443	0.0420	0.0361	0.0399	0.0381	0.0367	0.0320
Aroclor-1016 Peak # 5	A	0.0417	0.0355	0.0355	0.0335	0.0292	0.0321	0.0306	0.0296	0.0253
Aroclor-1260 Peak # 1	A	0.0937	0.0726	0.0712	0.0675	0.0578	0.0620	0.0600	0.0564	
Aroclor-1260 Peak # 2	A	0.1377	0.1100	0.1119	0.1048	0.0901	0.0941	0.0896	0.0864	
Aroclor-1260 Peak # 3	A	0.1494	0.1089	0.1140	0.1083	0.0928	0.0997	0.0955	0.0931	
Aroclor-1260 Peak # 4	A	0.0776	0.0657	0.0680	0.0657	0.0561	0.0598	0.0571		
Aroclor-1260 Peak # 5	A	0.1719	0.1443	0.1523	0.1392	0.1178	0.1263	0.1212	0.1213	
Decachlorobiphenyl (PCB)	A			1.7517	1.5276	1.3136	1.3325	1.2692	1.2537	
TCMX (PCB)	A	1.2724	0.9655	0.9830	0.9621	0.8303	0.9420	0.9219	0.9218	0.8552
Aroclor-1016 Peak # 1	B	0.0258	0.0224	0.0221	0.0217	0.0189	0.0208	0.0199	0.0188	0.0168
Aroclor-1016 Peak # 2	B	0.0369	0.0328	0.0337	0.0319	0.0262	0.0293	0.0282	0.0270	0.0241
Aroclor-1016 Peak # 3	B	0.0731	0.0591	0.0595	0.0548	0.0476	0.0526	0.0506	0.0504	0.0429
Aroclor-1016 Peak # 4	B	0.0470	0.0426	0.0424	0.0410	0.0348	0.0383	0.0370	0.0362	0.0311
Aroclor-1016 Peak # 5	B	0.0389	0.0336	0.0345	0.0334	0.0285	0.0314	0.0302	0.0296	0.0248
Aroclor-1260 Peak # 1	B	0.0741	0.0638	0.0673	0.0608	0.0510	0.0551	0.0527	0.0514	
Aroclor-1260 Peak # 2	B	0.0910	0.0798	0.0790	0.0726	0.0608	0.0651	0.0625	0.0613	
Aroclor-1260 Peak # 3	B	0.1187	0.0977	0.0986	0.0907	0.0769	0.0826	0.0797	0.0793	
Aroclor-1260 Peak # 4	B	0.0785	0.0629	0.0647	0.0583	0.0503	0.0539	0.0496		
Aroclor-1260 Peak # 5	B	0.1184	0.0925	0.0953	0.0868	0.0743	0.0790	0.0760	0.0762	
Decachlorobiphenyl (PCB)	B	1.6271	1.2663	1.3495	1.2170	1.0610	1.0826	1.0310	1.0324	
TCMX (PCB)	B	1.1603	0.9978	0.9817	0.9671	0.8301	0.9599	0.9328	0.9461	0.8687

ENTHALPY INITIAL CALIBRATION FOR 474711 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	**31**	50.000	9	100.00	9	250.00	1	500.00	-13	749.91	-3	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 2	A	20.000	-8	50.000	-12	100.00	4	250.00	7	500.00	-7	749.91	4	1000.0	-1		
Aroclor-1016 Peak # 3	A	20.000	**31**	50.000	8	100.00	9	250.00	4	500.00	-12	749.91	-2	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 4	A	20.000	**25**	50.000	10	100.00	10	250.00	4	500.00	-11	749.91	-1	1000.0	-6	1500.0	-9
Aroclor-1016 Peak # 5	A	20.000	**28**	50.000	9	100.00	9	250.00	3	500.00	-10	749.91	-1	1000.0	-6	1500.0	-9
Aroclor-1260 Peak # 1	A	20.000	**38**	50.000	7	100.00	5	250.00	0	500.00	-15	749.91	-8	1000.0	-11	1500.0	-17
Aroclor-1260 Peak # 2	A	20.000	**34**	50.000	7	100.00	9	250.00	2	500.00	-13	749.91	-9	1000.0	-13	1500.0	-16
Aroclor-1260 Peak # 3	A	20.000	**39**	50.000	1	100.00	6	250.00	1	500.00	-14	749.91	-7	1000.0	-11	1500.0	-14
Aroclor-1260 Peak # 4	A	20.000	**-41**	50.000	-15	100.00	4	250.00	9	500.00	-4	749.91	3	1000.0	-1		
Aroclor-1260 Peak # 5	A	20.000	**-47**	50.000	-16	100.00	9	250.00	9	500.00	-5	749.91	3	1000.0	-1	1500.0	0
Decachlorobiphenyl (PCB)	A					8.0000	-10	20.000	4	40.000	-2	59.993	3	80.000	-1	120.00	0
TCMX (PCB)	A	1.6000	**32**	4.0000	0	8.0000	2	20.000	0	40.000	-14	59.993	-2	80.000	-4	120.00	-4
Aroclor-1016 Peak # 1	B	20.000	**24**	50.000	8	100.00	6	250.00	4	500.00	-9	749.91	0	1000.0	-4	1500.0	-10
Aroclor-1016 Peak # 2	B	20.000	**23**	50.000	9	100.00	12	250.00	6	500.00	-13	749.91	-2	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 3	B	20.000	**34**	50.000	8	100.00	9	250.00	1	500.00	-13	749.91	-4	1000.0	-7	1500.0	-8
Aroclor-1016 Peak # 4	B	20.000	**21**	50.000	9	100.00	9	250.00	5	500.00	-11	749.91	-2	1000.0	-5	1500.0	-7
Aroclor-1016 Peak # 5	B	20.000	**23**	50.000	6	100.00	9	250.00	5	500.00	-10	749.91	-1	1000.0	-5	1500.0	-6
Aroclor-1260 Peak # 1	B	20.000	**24**	50.000	7	100.00	13	250.00	2	500.00	-14	749.91	-7	1000.0	-11	1500.0	-14
Aroclor-1260 Peak # 2	B	20.000	**27**	50.000	12	100.00	11	250.00	2	500.00	-15	749.91	-9	1000.0	-13	1500.0	-14
Aroclor-1260 Peak # 3	B	20.000	**31**	50.000	8	100.00	9	250.00	0	500.00	-15	749.91	-9	1000.0	-12	1500.0	-12
Aroclor-1260 Peak # 4	B	20.000	**-60**	50.000	**-21**	100.00	7	250.00	8	500.00	-4	749.91	5	1000.0	-3		
Aroclor-1260 Peak # 5	B	20.000	**-36**	50.000	-14	100.00	8	250.00	8	500.00	-5	749.91	3	1000.0	-1	1500.0	0
Decachlorobiphenyl (PCB)	B	1.6000	**-72**	4.0000	**-28**	8.0000	6	20.000	9	40.000	-1	59.993	3	80.000	-1	120.00	0
TCMX (PCB)	B	1.6000	**21**	4.0000	4	8.0000	2	20.000	1	40.000	-14	59.993	0	80.000	-3	120.00	-1

ENTHALPY INITIAL CALIBRATION FOR 474711 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-19
Aroclor-1016 Peak # 2	A		
Aroclor-1016 Peak # 3	A	2000.0	**-21**
Aroclor-1016 Peak # 4	A	2000.0	**-21**
Aroclor-1016 Peak # 5	A	2000.0	**-22**
Aroclor-1260 Peak # 1	A		
Aroclor-1260 Peak # 2	A		
Aroclor-1260 Peak # 3	A		
Aroclor-1260 Peak # 4	A		
Aroclor-1260 Peak # 5	A		
Decachlorobiphenyl (PCB)	A		
TCMX (PCB)	A	160.00	-11
Aroclor-1016 Peak # 1	B	2000.0	-19
Aroclor-1016 Peak # 2	B	2000.0	-20
Aroclor-1016 Peak # 3	B	2000.0	**-21**
Aroclor-1016 Peak # 4	B	2000.0	-20
Aroclor-1016 Peak # 5	B	2000.0	**-22**
Aroclor-1260 Peak # 1	B		
Aroclor-1260 Peak # 2	B		
Aroclor-1260 Peak # 3	B		
Aroclor-1260 Peak # 4	B		
Aroclor-1260 Peak # 5	B		
Decachlorobiphenyl (PCB)	B		
TCMX (PCB)	B	160.00	-10

TRN 10/26/22 : Manually integrated for coeluting peak/draw baseline on both channel for multiple channels

Analyst: TRN 10/26/22

Reviewer: LW 10/27/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 474711 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_102422_1
Calnum:	452428510002	Cal Date:	24-OCT-2022

- ICV 452428510024 (gc06_102422024 24-OCT-2022) stds: S17274

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	486.9	ug/L	-3	15	
Aroclor-1260	A	500.0	451.5	ug/L	-10	15	
Aroclor-1016	B	500.0	481.3	ug/L	-4	15	
Aroclor-1260	B	500.0	455.3	ug/L	-9	15	

-

Analyst: TRN 10/26/22 **Reviewer:** LW 10/27/22

ENTHALPY CONTINUING CALIBRATION FOR 474711 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452501809004	File:	gc06_121422004	Time:	14-DEC-2022 12:05
Cal:	452428510002	Caldate:	24-OCT-2022		

Standards: S17386

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	468.9	ug/L	-6	15	0.0000	
Aroclor-1260	A			500.0	412.2	ug/L	**-18**	15	0.0000	c- ***
Decachlorobiphenyl (PCB)	A	1.4080	1.6261	40.00	49.33	ug/L	**23**	15	0.0000	c+
TCMX (PCB)	A	0.9616	0.9530	40.00	39.64	ug/L	-1	15	0.0000	
Aroclor-1016	B			500.0	455.4	ug/L	-9	15	0.0000	
Aroclor-1260	B			500.0	435.5	ug/L	-13	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2084	1.2248	40.00	46.04	ug/L	15	15	0.0000	
TCMX (PCB)	B	0.9605	0.9269	40.00	38.60	ug/L	-3	15	0.0000	

ISTD (ICAL gc06_102422015)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4414084	5307613	20.24
1-bromo-2-nitrobenzene (PCB)	A	1096423	1103956	0.69

TRN 12/14/22 [Aroclor-1016 A]: Separated from coeluting peak for Ch. A.

TRN 12/14/22 [1-bromo-2-nitrobenzene (PCB) A]: Corrected baseline noise or negative peak for all channels.

+=high bias -=low bias c=CCV

Analyst: TRN 12/14/22 **Reviewer:** LW 12/15/22

ENTHALPY CONTINUING CALIBRATION FOR 474711 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452501809036	File:	gc06_121422036	Time:	14-DEC-2022 22:46
Cal:	452428510002	Caldate:	24-OCT-2022		

Standards: S17386

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	455.9	ug/L	-9	15	0.0000	
Aroclor-1260	A			500.0	410.5	ug/L	**-18**	15	0.0000	c- ***
Decachlorobiphenyl (PCB)	A	1.4080	1.6604	40.00	50.47	ug/L	**26**	15	0.0000	c+
TCMX (PCB)	A	0.9616	0.9149	40.00	38.06	ug/L	-5	15	0.0000	
Aroclor-1016	B			500.0	454.3	ug/L	-9	15	0.0000	
Aroclor-1260	B			500.0	453.4	ug/L	-9	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2084	1.2913	40.00	48.66	ug/L	**22**	15	0.0000	c+
TCMX (PCB)	B	0.9605	0.9121	40.00	37.98	ug/L	-5	15	0.0000	

ISTD (ICAL gc06_102422015)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4414084	5560467	25.97
1-bromo-2-nitrobenzene (PCB)	A	1096423	1170615	6.77

MES 12/15/22 [Aroclor-1016 B]: Separated from coeluting peak for Ch. B.

+=high bias -=low bias c=CCV

Analyst: MES 12/15/22 **Reviewer:** LW 12/15/22

ENTHALPY CONTINUING CALIBRATION FOR 474711 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452503102004	File:	gc06_121522004	Time:	15-DEC-2022 09:38
Cal:	452428510002	Caldate:	24-OCT-2022		

Standards: S17386

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	485.1	ug/L	-3	15	0.0000	
Aroclor-1260	A			500.0	456.2	ug/L	-9	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.4080	2.0122	40.00	62.08	ug/L	**55**	15	0.0000	c+
TCMX (PCB)	A	0.9616	0.9735	40.00	40.50	ug/L	1	15	0.0000	
Aroclor-1016	B			500.0	486.7	ug/L	-3	15	0.0000	
Aroclor-1260	B			500.0	494.5	ug/L	-1	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2084	1.5129	40.00	57.37	ug/L	**43**	15	0.0000	c+
TCMX (PCB)	B	0.9605	0.9669	40.00	40.27	ug/L	1	15	0.0000	

ISTD (ICAL gc06_102422015)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4414084	8070907	82.84
1-bromo-2-nitrobenzene (PCB)	A	1096423	1798677	64.05

MES 12/15/22 [Aroclor-1016 A]: Separated from coeluting peak for Ch. A.

+=high bias c=CCV

Analyst: MES 12/15/22 **Reviewer:** LW 12/15/22

Enthalpy Internal Standard Summary for Sequence 452501809

Date:	12/14/22	Reference:	gc06_102422015
Sequence:	SVOA-GC06 gc06_121422	Analyzed:	10/24/22 17:44

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	4414084	1096423
		LOWER LIMIT	2207042	548212
		UPPER LIMIT	8828169	2192847
004	CCV		5307613	1103956
036	CCV		5560467	1170615

Enthalpy Internal Standard Summary for Sequence 452501809

Date:	12/14/22	Reference:	gc06_121422004
Sequence:	SVOA-GC06 gc06_121422	Analyzed:	12/14/22 12:05

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	5307613	1103956
		LOWER LIMIT	2653807	551978
		UPPER LIMIT	10615226	2207913
012	BLANK	QC1031896	4972289	1022646
013	BS	QC1031897	4870792	1030990
014	BSD	QC1031898	4956894	1040921
015	SAMPLE	474711-002	4946938	1041369
016	SAMPLE	474711-004	5013140	1048390
017	SAMPLE	474711-006	5246828	1119613
018	SAMPLE	474711-008	4814581	1029044
019	SAMPLE	474711-010	4764315	1006037
020	SAMPLE	474711-012	4781500	1020599
021	SAMPLE	474711-014	2333715 *	485983 *
022	SAMPLE	474711-016	5070503	1087576
023	SAMPLE	474711-018	4813934	1033144
024	SAMPLE	474711-020	4676710	1002305
025	SAMPLE	474716-001	4796255	1009489
026	SAMPLE	474716-002	5011257	1060107
027	SAMPLE	474716-003	4726664	985706
028	SAMPLE	474716-004	4843389	1026892
029	SAMPLE	474716-006	4786031	1008680
030	SAMPLE	474716-008	4866780	1051433
031	SAMPLE	474716-010	4963800	1040725
032	SAMPLE	474716-012	4921275	1034294
033	SAMPLE	474716-014	4773232	1004059
034	SAMPLE	474716-015	4475071	943806

Enthalpy Internal Standard Summary for Sequence 452501809

Date:	12/14/22	Reference:	gc06_121422004
Sequence:	SVOA-GC06 gc06_121422	Analyzed:	12/14/22 12:05

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.52	4.29
		LOWER LIMIT	4.32	4.09
		UPPER LIMIT	4.72	4.49
012	BLANK	QC1031896	4.52	4.29
013	BS	QC1031897	4.52	4.29
014	BSD	QC1031898	4.52	4.29
015	SAMPLE	474711-002	4.52	4.29
016	SAMPLE	474711-004	4.52	4.28
017	SAMPLE	474711-006	4.52	4.28
018	SAMPLE	474711-008	4.52	4.29
019	SAMPLE	474711-010	4.52	4.28
020	SAMPLE	474711-012	4.52	4.29
021	SAMPLE	474711-014	4.52	4.28
022	SAMPLE	474711-016	4.52	4.29
023	SAMPLE	474711-018	4.52	4.28
024	SAMPLE	474711-020	4.52	4.29
025	SAMPLE	474716-001	4.52	4.29
026	SAMPLE	474716-002	4.52	4.29
027	SAMPLE	474716-003	4.52	4.28
028	SAMPLE	474716-004	4.52	4.29
029	SAMPLE	474716-006	4.52	4.28
030	SAMPLE	474716-008	4.52	4.29
031	SAMPLE	474716-010	4.52	4.28
032	SAMPLE	474716-012	4.52	4.28
033	SAMPLE	474716-014	4.52	4.28
034	SAMPLE	474716-015	4.52	4.28

Enthalpy Internal Standard Summary for Sequence 452501809

Date:	12/14/22	Reference:	gc06_121422036
Sequence:	SVOA-GC06 gc06_121422	Analyzed:	12/14/22 22:46

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	5560467	1170615
		LOWER LIMIT	2780233	585307
		UPPER LIMIT	11120933	2341230
041	BLANK	QC1031899	6052909	1261934
042	BS	QC1031900	5715755	1210075
043	BSD	QC1031901	5420568	1156450
044	SAMPLE	474711-001	6371921	1310863
045	SAMPLE	474711-003	5701105	1225491
046	SAMPLE	474711-005	5891478	1263286
047	SAMPLE	474711-007	5882410	1265648
048	SAMPLE	474711-009	5600536	1206934
049	SAMPLE	474711-011	6045118	1202825
050	SAMPLE	474711-013	6237575	1253575
051	SAMPLE	474711-015	5681632	1227329
052	SAMPLE	474711-017	5486215	1197877
053	SAMPLE	474711-019	5492454	1204952
054	SAMPLE	474713-001	5050902	1108615
055	SAMPLE	474713-002	5737261	1255961
056	SAMPLE	474713-003	5233756	1088269
057	SAMPLE	474713-004	5875509	1195568
058	SAMPLE	474713-005	5775454	1159149
059	SAMPLE	474716-005	5628942	1252209
060	SAMPLE	474716-007	5081189	1124191
061	SAMPLE	474716-009	5068241	1129951
062	SAMPLE	474716-011	5497910	1225742
063	SAMPLE	474716-013	5360574	1211417

Enthalpy Internal Standard Summary for Sequence 452501809

Date:	12/14/22	Reference:	gc06_121422036
Sequence:	SVOA-GC06 gc06_121422	Analyzed:	12/14/22 22:46

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.52	4.28
		LOWER LIMIT	4.32	4.08
		UPPER LIMIT	4.72	4.48
041	BLANK	QC1031899	4.52	4.28
042	BS	QC1031900	4.52	4.28
043	BSD	QC1031901	4.52	4.28
044	SAMPLE	474711-001	4.52	4.28
045	SAMPLE	474711-003	4.52	4.28
046	SAMPLE	474711-005	4.52	4.28
047	SAMPLE	474711-007	4.52	4.28
048	SAMPLE	474711-009	4.52	4.28
049	SAMPLE	474711-011	4.52	4.28
050	SAMPLE	474711-013	4.52	4.28
051	SAMPLE	474711-015	4.52	4.28
052	SAMPLE	474711-017	4.52	4.28
053	SAMPLE	474711-019	4.52	4.28
054	SAMPLE	474713-001	4.52	4.28
055	SAMPLE	474713-002	4.52	4.28
056	SAMPLE	474713-003	4.52	4.28
057	SAMPLE	474713-004	4.52	4.28
058	SAMPLE	474713-005	4.52	4.28
059	SAMPLE	474716-005	4.52	4.28
060	SAMPLE	474716-007	4.52	4.28
061	SAMPLE	474716-009	4.52	4.28
062	SAMPLE	474716-011	4.52	4.28
063	SAMPLE	474716-013	4.52	4.28

Enthalpy Internal Standard Summary for Sequence 452503102

Date:	12/15/22	Reference:	gc06_102422015
Sequence:	SVOA-GC06 gc06_121522	Analyzed:	10/24/22 17:44

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	4414084	1096423
		LOWER LIMIT	2207042	548212
		UPPER LIMIT	8828169	2192847
004	CCV		8070907	1798677

Enthalpy Internal Standard Summary for Sequence 452503102

Date:	12/15/22	Reference:	gc06_121522004
Sequence:	SVOA-GC06 gc06_121522	Analyzed:	12/15/22 09:38

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	8070907	1798677
		LOWER LIMIT	4035453	899339
		UPPER LIMIT	16141813	3597355
011	SAMPLE	474711-014	5302766	1182159

Enthalpy Internal Standard Summary for Sequence 452503102

Date:	12/15/22	Reference:	gc06_121522004
Sequence:	SVOA-GC06 gc06_121522	Analyzed:	12/15/22 09:38

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.49	4.25
		LOWER LIMIT	4.29	4.05
		UPPER LIMIT	4.69	4.45
011	SAMPLE	474711-014	4.49	4.25

Enthalpy Sequence Summary for Sequence 452428510

Instrument: SVOA-GC06 Begun: 10/24/22 13:50
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
002	gc06_102422002	PEM				10/24/22 13:50	1.0	
003	gc06_102422003	ICAL				10/24/22 14:08	1.0	1
004	gc06_102422004	ICAL				10/24/22 14:26	1.0	2
005	gc06_102422005	ICAL				10/24/22 14:44	1.0	3
006	gc06_102422006	ICAL				10/24/22 15:02	1.0	4
007	gc06_102422007	ICAL				10/24/22 15:20	1.0	5
008	gc06_102422008	ICAL				10/24/22 15:38	1.0	6
009	gc06_102422009	ICAL				10/24/22 15:56	1.0	7
010	gc06_102422010	ICAL				10/24/22 16:14	1.0	8
012	gc06_102422012	ICV				10/24/22 16:50	1.0	9
014	gc06_102422014	ICAL				10/24/22 17:26	1.0	10
015	gc06_102422015	ICAL				10/24/22 17:44	1.0	11
016	gc06_102422016	ICAL				10/24/22 18:02	1.0	12
017	gc06_102422017	ICAL				10/24/22 18:20	1.0	13
018	gc06_102422018	ICAL				10/24/22 18:38	1.0	14
019	gc06_102422019	ICAL				10/24/22 18:55	1.0	15
020	gc06_102422020	ICAL				10/24/22 19:13	1.0	16
021	gc06_102422021	ICAL				10/24/22 19:31	1.0	17
022	gc06_102422022	ICAL				10/24/22 19:49	1.0	18
024	gc06_102422024	ICV				10/24/22 20:25	1.0	19

TRN 10/26/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 24.

Standards Used:
1=S17239 2=S17240 3=S17241 4=S17242 5=S17243 6=S17244 7=S17245 8=S17246 9=S17235 10=S17263 11=S17264 12=S17265 13=S17266 14=S17267 15=S17268 16=S17269 17=S17270 18=S17271 19=S17274

Enthalpy Sequence Summary for Sequence 452501809

Instrument: SVOA-GC06 Begun: 12/14/22 11:29

Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc06_121422002	PEM				12/14/22 11:29	1.0	1	
003	gc06_121422003	CCV				12/14/22 11:47	1.0	2	ac
004	gc06_121422004	CCV				12/14/22 12:05	1.0	3	
012	gc06_121422012	BLANK	QC1031896	Wipe	303181	12/14/22 15:26	1.0	4	
013	gc06_121422013	BS	QC1031897	Wipe	303181	12/14/22 15:44	1.0	4	
014	gc06_121422014	BSD	QC1031898	Wipe	303181	12/14/22 16:03	1.0	4	
015	gc06_121422015	SAMPLE	474711-002	Wipe	303181	12/14/22 16:21	1.0	4	
016	gc06_121422016	SAMPLE	474711-004	Wipe	303181	12/14/22 16:39	1.0	4	
017	gc06_121422017	SAMPLE	474711-006	Wipe	303181	12/14/22 16:58	1.0	4	
018	gc06_121422018	SAMPLE	474711-008	Wipe	303181	12/14/22 17:16	1.0	4	
019	gc06_121422019	SAMPLE	474711-010	Wipe	303181	12/14/22 17:34	1.0	4	
020	gc06_121422020	SAMPLE	474711-012	Wipe	303181	12/14/22 17:53	1.0	4	
021	gc06_121422021	SAMPLE	474711-014	Wipe	303181	12/14/22 18:11	1.0	4	
022	gc06_121422022	SAMPLE	474711-016	Wipe	303181	12/14/22 18:29	1.0	4	
023	gc06_121422023	SAMPLE	474711-018	Wipe	303181	12/14/22 18:47	1.0	4	
024	gc06_121422024	SAMPLE	474711-020	Wipe	303181	12/14/22 19:06	1.0	4	
025	gc06_121422025	SAMPLE	474716-001	Wipe	303181	12/14/22 19:24	1.0	4	
026	gc06_121422026	SAMPLE	474716-002	Wipe	303181	12/14/22 19:42	1.0	4	
027	gc06_121422027	SAMPLE	474716-003	Wipe	303181	12/14/22 20:01	1.0	4	
028	gc06_121422028	SAMPLE	474716-004	Wipe	303181	12/14/22 20:19	1.0	4	
029	gc06_121422029	SAMPLE	474716-006	Wipe	303181	12/14/22 20:37	1.0	4	
030	gc06_121422030	SAMPLE	474716-008	Wipe	303181	12/14/22 20:56	1.0	4	
031	gc06_121422031	SAMPLE	474716-010	Wipe	303181	12/14/22 21:14	1.0	4	
032	gc06_121422032	SAMPLE	474716-012	Wipe	303181	12/14/22 21:32	1.0	4	
033	gc06_121422033	SAMPLE	474716-014	Wipe	303181	12/14/22 21:51	1.0	4	
034	gc06_121422034	SAMPLE	474716-015	Wipe	303181	12/14/22 22:09	1.0	4	
036	gc06_121422036	CCV				12/14/22 22:46	1.0	3	
041	gc06_121422041	BLANK	QC1031899	Wipe	303182	12/15/22 00:18	1.0	4	
042	gc06_121422042	BS	QC1031900	Wipe	303182	12/15/22 00:36	1.0	4	
043	gc06_121422043	BSD	QC1031901	Wipe	303182	12/15/22 00:54	1.0	4	
044	gc06_121422044	SAMPLE	474711-001	Wipe	303182	12/15/22 01:13	1.0	4	
045	gc06_121422045	SAMPLE	474711-003	Wipe	303182	12/15/22 01:31	1.0	4	
046	gc06_121422046	SAMPLE	474711-005	Wipe	303182	12/15/22 01:49	1.0	4	
047	gc06_121422047	SAMPLE	474711-007	Wipe	303182	12/15/22 02:08	1.0	4	
048	gc06_121422048	SAMPLE	474711-009	Wipe	303182	12/15/22 02:26	1.0	4	
049	gc06_121422049	SAMPLE	474711-011	Wipe	303182	12/15/22 02:44	1.0	4	
050	gc06_121422050	SAMPLE	474711-013	Wipe	303182	12/15/22 03:03	1.0	4	
051	gc06_121422051	SAMPLE	474711-015	Wipe	303182	12/15/22 03:21	1.0	4	
052	gc06_121422052	SAMPLE	474711-017	Wipe	303182	12/15/22 03:39	1.0	4	
053	gc06_121422053	SAMPLE	474711-019	Wipe	303182	12/15/22 03:58	1.0	4	
054	gc06_121422054	SAMPLE	474713-001	Wipe	303182	12/15/22 04:16	1.0	4	
055	gc06_121422055	SAMPLE	474713-002	Wipe	303182	12/15/22 04:34	1.0	4	
056	gc06_121422056	SAMPLE	474713-003	Wipe	303182	12/15/22 04:53	1.0	4	
057	gc06_121422057	SAMPLE	474713-004	Wipe	303182	12/15/22 05:11	1.0	4	
058	gc06_121422058	SAMPLE	474713-005	Wipe	303182	12/15/22 05:29	1.0	4	
059	gc06_121422059	SAMPLE	474716-005	Wipe	303182	12/15/22 05:48	1.0	4	
060	gc06_121422060	SAMPLE	474716-007	Wipe	303182	12/15/22 06:06	1.0	4	
061	gc06_121422061	SAMPLE	474716-009	Wipe	303182	12/15/22 06:24	1.0	4	
062	gc06_121422062	SAMPLE	474716-011	Wipe	303182	12/15/22 06:43	1.0	4	
063	gc06_121422063	SAMPLE	474716-013	Wipe	303182	12/15/22 07:01	1.0	4	

Enthalpy Sequence Summary for Sequence 452501809

Instrument:	SVOA-GC06	Begun:	12/14/22 11:29
Method:	EPA 8081A, EPA 8082		

MES 12/15/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 63.

ac=average CCV drift out

Standards Used:
1=S17384 2=S17385 3=S17386 4=S17010

Enthalpy Sequence Summary for Sequence 452503102

Instrument: SVOA-GC06 Begun: 12/15/22 09:02
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
002	gc06_121522002	PEM				12/15/22 09:02	1.0	1
003	gc06_121522003	CCV				12/15/22 09:20	1.0	2
004	gc06_121522004	CCV				12/15/22 09:38	1.0	3
011	gc06_121522011	SAMPLE	474711-014	Wipe	303181	12/15/22 12:01	1.0	4
013	gc06_121522013	ICAL				12/15/22 15:02	1.0	5
014	gc06_121522014	ICAL				12/15/22 15:20	1.0	6
015	gc06_121522015	ICAL				12/15/22 15:39	1.0	7
016	gc06_121522016	ICAL				12/15/22 15:57	1.0	8
017	gc06_121522017	ICAL				12/15/22 16:15	1.0	9
018	gc06_121522018	ICAL				12/15/22 16:34	1.0	10
019	gc06_121522019	ICAL				12/15/22 16:52	1.0	11
020	gc06_121522020	ICAL				12/15/22 17:10	1.0	12
022	gc06_121522022	ICV				12/15/22 17:47	1.0	13

TRN 12/15/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 11.

MES 12/16/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 13 through 22.

Standards Used:
1=S17384 2=S17385 3=S17386 4=S17010 5=S17585 6=S17586 7=S17587 8=S17588 9=S17589 10=S17590 11=S17591 12=S17592 13=S17235

SAMPLE PREPARATION SUMMARY

Batch # : 303181
Started By : EPL
Method : 3572M
Spike #1 ID : S17708
Prep Date : 14-DEC-2022 12:03
Spike #2 ID : S17644
Analysis : 8080
Finished By : EPL
Units : dm2

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
474711-002		Wipe	1	20	1	20.0		.5				PCB	
474711-004		Wipe	1	20	1	20.0		.5				PCB	
474711-006		Wipe	1	20	1	20.0		.5				PCB	
474711-008		Wipe	1	20	1	20.0		.5				PCB	
474711-010		Wipe	1	20	1	20.0		.5				PCB	
474711-012		Wipe	1	20	1	20.0		.5				PCB	
474711-014		Wipe	1	20	1	20.0		.5				PCB	
474711-016		Wipe	1	20	1	20.0		.5				PCB	
474711-018		Wipe	1	20	1	20.0		.5				PCB	
474711-020		Wipe	1	20	1	20.0		.5				PCB	
474716-001		Wipe	1	20	1	20.0		.5				PCB	
474716-002		Wipe	1	20	1	20.0		.5				PCB	
474716-003		Wipe	1	20	1	20.0		.5				PCB	
474716-004		Wipe	1	20	1	20.0		.5				PCB	
474716-006		Wipe	1	20	1	20.0		.5				PCB	
474716-008		Wipe	1	20	1	20.0		.5				PCB	
474716-010		Wipe	1	20	1	20.0		.5				PCB	
474716-012		Wipe	1	20	1	20.0		.5				PCB	
474716-014		Wipe	1	20	1	20.0		.5				PCB	
474716-015		Wipe	1.09273	20	1	18.30		.5				PCB	
QC1031896	BLANK	Wipe	1	20	1	20.0		.5				8080	
QC1031897	BS	Wipe	1	20	1	20.0		.5	.5			8080	
QC1031898	BSD	Wipe	1	20	1	20.0		.5	.5			8080	

TRN 12/15/22 : BS/D verify the batch

Analyst: TRN Date: 12/15/22 Reviewer: LW Date: 12/15/22

8081/8082/608.3 Prep Log

Date/Time: 12/14/22 12:03 Initials: EPL

Microdipenser ID: SYRINGE Therm ID/CF: ____/____ Hotblock Temp (°C): N/A

Prep Method: 3580 Matrix: WIPES Balance ID: N/A

608.3 QC Batch#: ____

8081 QC Batch #: ____

8082 QC Batch #: 303181

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Comment
Blank		1dm2	N/A	SH3	N/A	20.0		
LCS								
LCSD								
474711-002	A							
-004	A							
-006	A							
-008	A							
-010	A							
-012	A							
-014	A							
-016	A							
-018	A							
-020	A							
474716-001	A							
-002	A							
-003	A							
-004	A							
-006	A							
-008	A							
12/14 -010	A							
-012	A							
-014	A							
-015	A	1.09273						

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: 317570

Acetone-Hexane Mix ID: ____

Sodium Sulfate Lot: N/A

Baked Sand Lot: N/A

Surrogate ID: 500 Volume: 317708 µL

Pest LCS Spike ID: N/A Volume: ____ µL

PCB LCS Spike ID: 500 Volume: 317644 µL

Pest MS/MSD Spike ID: N/A Volume: ____ µL

PCB MS/MSD Spike ID: N/A Volume: ____ µL

SAMPLE PREPARATION SUMMARY

Batch # : 303182
Started By : EPL
Method : 3546
Spike #1 ID : S17708
Prep Date : 14-DEC-2022 12:56
Spike #2 ID : S17644
Analysis : 8080
Finished By : EPL
Units : dm2

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
474711-001		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474711-003		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474711-005		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474711-007		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474711-009		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474711-011		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474711-013		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474711-015		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474711-017		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474711-019		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474713-001		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474713-002		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474713-003		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474713-004		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474713-005		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474716-005		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474716-007		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474716-009		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474716-011		Wipe	1.1854	10	1	8.436		.5				PCB-MICROWAVE	
474716-013		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
QC1031899	BLANK	Wipe	1	10	1	10.0		.5				8080	
QC1031900	BS	Wipe	1	10	1	10.0		.5	.5			8080	
QC1031901	BSD	Wipe	1	10	1	10.0		.5	.5			8080	

TRN 12/15/22 : BS/D verify the batch

Analyst: TRN Date: 12/15/22 Reviewer: LW Date: 12/15/22

8081/8082/608.3 Prep Log

Date/Time: 12/14/22 12:56 Initials: EPL

Microdipenser ID: SYRINGE Therm ID/CF: ____/____ Hotblock Temp (°C): N/A

Prep Method: 3546 Matrix: WIPES Balance ID: N/A

608.3 QC Batch#: ____

8081 QC Batch #: ____

8082 QC Batch #: 303182

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Comment
Blank		1 dm²	N/A	Eq#14 SM102 -1	TV09	10.0		
LCS		↓	↓	-2	↓	↓		
LCSD				-3				
474713-001	A			-4				
-002	A			-5				
-003	A			-6	↓			
-004	A			-7	TV08			
-005	A			-8				
474711-001	A			-9				
-003	A			-10				
-005	A			-11				
-007	A			-12	↓			
-009	A			-13	TV09			
-011	A			-14				
-013	A			-15				
-015	A			-16				
-017	A			-17				
-019	A			-18	↓			
474716-005	A			-19	TV07			
-007	A			-20				
-009	A	↓		-21				
-011	A	1.1854		-22				
-013	A	1 dm²	↓	-23	↓	↓		

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: S17570

Acetone-Hexane Mix ID: ____

Sodium Sulfate Lot: 215528

Baked Sand Lot: N/A

Surrogate ID: S17708 Volume: 500

Pest LCS Spike ID: N/A Volume: N/A

PCB LCS Spike ID: S17644 Volume: 500

Pest MS/MSD Spike ID: N/A Volume: N/A

PCB MS/MSD Spike ID: N/A Volume: N/A

REPORTING SUMMARY FOR 474711 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
474711-001	Aroclor-1016	SVOA-GC06	B	12/15/22 01:13
474711-001	Aroclor-1221	SVOA-GC06	B	12/15/22 01:13
474711-001	Aroclor-1232	SVOA-GC06	B	12/15/22 01:13
474711-001	Aroclor-1242	SVOA-GC06	B	12/15/22 01:13
474711-001	Aroclor-1248	SVOA-GC06	B	12/15/22 01:13
474711-001	Aroclor-1254	SVOA-GC06	B	12/15/22 01:13
474711-001	Aroclor-1260	SVOA-GC06	B	12/15/22 01:13
474711-001	Aroclor-1262	SVOA-GC06	B	12/15/22 01:13
474711-001	Aroclor-1268	SVOA-GC06	B	12/15/22 01:13
474711-001	TCMX (PCB)	SVOA-GC06	B	12/15/22 01:13
474711-001	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 01:13
474711-003	Aroclor-1016	SVOA-GC06	B	12/15/22 01:31
474711-003	Aroclor-1221	SVOA-GC06	B	12/15/22 01:31
474711-003	Aroclor-1232	SVOA-GC06	B	12/15/22 01:31
474711-003	Aroclor-1242	SVOA-GC06	B	12/15/22 01:31
474711-003	Aroclor-1248	SVOA-GC06	B	12/15/22 01:31
474711-003	Aroclor-1254	SVOA-GC06	B	12/15/22 01:31
474711-003	Aroclor-1260	SVOA-GC06	B	12/15/22 01:31
474711-003	Aroclor-1262	SVOA-GC06	B	12/15/22 01:31
474711-003	Aroclor-1268	SVOA-GC06	B	12/15/22 01:31
474711-003	TCMX (PCB)	SVOA-GC06	B	12/15/22 01:31
474711-003	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 01:31
474711-005	Aroclor-1016	SVOA-GC06	B	12/15/22 01:49
474711-005	Aroclor-1221	SVOA-GC06	B	12/15/22 01:49
474711-005	Aroclor-1232	SVOA-GC06	B	12/15/22 01:49
474711-005	Aroclor-1242	SVOA-GC06	B	12/15/22 01:49
474711-005	Aroclor-1248	SVOA-GC06	B	12/15/22 01:49
474711-005	Aroclor-1254	SVOA-GC06	B	12/15/22 01:49
474711-005	Aroclor-1260	SVOA-GC06	B	12/15/22 01:49
474711-005	Aroclor-1262	SVOA-GC06	B	12/15/22 01:49
474711-005	Aroclor-1268	SVOA-GC06	B	12/15/22 01:49
474711-005	TCMX (PCB)	SVOA-GC06	B	12/15/22 01:49
474711-005	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 01:49
474711-007	Aroclor-1016	SVOA-GC06	B	12/15/22 02:08
474711-007	Aroclor-1221	SVOA-GC06	B	12/15/22 02:08
474711-007	Aroclor-1232	SVOA-GC06	B	12/15/22 02:08
474711-007	Aroclor-1242	SVOA-GC06	B	12/15/22 02:08
474711-007	Aroclor-1248	SVOA-GC06	B	12/15/22 02:08
474711-007	Aroclor-1254	SVOA-GC06	B	12/15/22 02:08
474711-007	Aroclor-1260	SVOA-GC06	B	12/15/22 02:08
474711-007	Aroclor-1262	SVOA-GC06	B	12/15/22 02:08
474711-007	Aroclor-1268	SVOA-GC06	B	12/15/22 02:08
474711-007	TCMX (PCB)	SVOA-GC06	B	12/15/22 02:08
474711-007	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 02:08
474711-009	Aroclor-1016	SVOA-GC06	B	12/15/22 02:26
474711-009	Aroclor-1221	SVOA-GC06	B	12/15/22 02:26
474711-009	Aroclor-1232	SVOA-GC06	B	12/15/22 02:26
474711-009	Aroclor-1242	SVOA-GC06	B	12/15/22 02:26
474711-009	Aroclor-1248	SVOA-GC06	B	12/15/22 02:26
474711-009	Aroclor-1254	SVOA-GC06	B	12/15/22 02:26

Sample ID	Analyte	Inst ID	Ch	Date & Time
474711-009	Aroclor-1260	SVOA-GC06	B	12/15/22 02:26
474711-009	Aroclor-1262	SVOA-GC06	B	12/15/22 02:26
474711-009	Aroclor-1268	SVOA-GC06	B	12/15/22 02:26
474711-009	TCMX (PCB)	SVOA-GC06	B	12/15/22 02:26
474711-009	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 02:26
474711-011	Aroclor-1016	SVOA-GC06	B	12/15/22 02:44
474711-011	Aroclor-1221	SVOA-GC06	B	12/15/22 02:44
474711-011	Aroclor-1232	SVOA-GC06	B	12/15/22 02:44
474711-011	Aroclor-1242	SVOA-GC06	B	12/15/22 02:44
474711-011	Aroclor-1248	SVOA-GC06	B	12/15/22 02:44
474711-011	Aroclor-1254	SVOA-GC06	B	12/15/22 02:44
474711-011	Aroclor-1260	SVOA-GC06	B	12/15/22 02:44
474711-011	Aroclor-1262	SVOA-GC06	B	12/15/22 02:44
474711-011	Aroclor-1268	SVOA-GC06	B	12/15/22 02:44
474711-011	TCMX (PCB)	SVOA-GC06	B	12/15/22 02:44
474711-011	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 02:44
474711-013	Aroclor-1016	SVOA-GC06	B	12/15/22 03:03
474711-013	Aroclor-1221	SVOA-GC06	B	12/15/22 03:03
474711-013	Aroclor-1232	SVOA-GC06	B	12/15/22 03:03
474711-013	Aroclor-1242	SVOA-GC06	B	12/15/22 03:03
474711-013	Aroclor-1248	SVOA-GC06	B	12/15/22 03:03
474711-013	Aroclor-1254	SVOA-GC06	B	12/15/22 03:03
474711-013	Aroclor-1260	SVOA-GC06	B	12/15/22 03:03
474711-013	Aroclor-1262	SVOA-GC06	B	12/15/22 03:03
474711-013	Aroclor-1268	SVOA-GC06	B	12/15/22 03:03
474711-013	TCMX (PCB)	SVOA-GC06	B	12/15/22 03:03
474711-013	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 03:03
474711-015	Aroclor-1016	SVOA-GC06	B	12/15/22 03:21
474711-015	Aroclor-1221	SVOA-GC06	B	12/15/22 03:21
474711-015	Aroclor-1232	SVOA-GC06	B	12/15/22 03:21
474711-015	Aroclor-1242	SVOA-GC06	B	12/15/22 03:21
474711-015	Aroclor-1248	SVOA-GC06	B	12/15/22 03:21
474711-015	Aroclor-1254	SVOA-GC06	B	12/15/22 03:21
474711-015	Aroclor-1260	SVOA-GC06	B	12/15/22 03:21
474711-015	Aroclor-1262	SVOA-GC06	B	12/15/22 03:21
474711-015	Aroclor-1268	SVOA-GC06	B	12/15/22 03:21
474711-015	TCMX (PCB)	SVOA-GC06	B	12/15/22 03:21
474711-015	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 03:21
474711-017	Aroclor-1016	SVOA-GC06	B	12/15/22 03:39
474711-017	Aroclor-1221	SVOA-GC06	B	12/15/22 03:39
474711-017	Aroclor-1232	SVOA-GC06	B	12/15/22 03:39
474711-017	Aroclor-1242	SVOA-GC06	B	12/15/22 03:39
474711-017	Aroclor-1248	SVOA-GC06	B	12/15/22 03:39
474711-017	Aroclor-1254	SVOA-GC06	B	12/15/22 03:39
474711-017	Aroclor-1260	SVOA-GC06	B	12/15/22 03:39
474711-017	Aroclor-1262	SVOA-GC06	B	12/15/22 03:39
474711-017	Aroclor-1268	SVOA-GC06	B	12/15/22 03:39
474711-017	TCMX (PCB)	SVOA-GC06	B	12/15/22 03:39
474711-017	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 03:39

Sample ID	Analyte	Inst ID	Ch	Date & Time
474711-019	Aroclor-1016	SVOA-GC06	B	12/15/22 03:58
474711-019	Aroclor-1221	SVOA-GC06	B	12/15/22 03:58
474711-019	Aroclor-1232	SVOA-GC06	B	12/15/22 03:58
474711-019	Aroclor-1242	SVOA-GC06	B	12/15/22 03:58
474711-019	Aroclor-1248	SVOA-GC06	B	12/15/22 03:58
474711-019	Aroclor-1254	SVOA-GC06	B	12/15/22 03:58
474711-019	Aroclor-1260	SVOA-GC06	B	12/15/22 03:58
474711-019	Aroclor-1262	SVOA-GC06	B	12/15/22 03:58
474711-019	Aroclor-1268	SVOA-GC06	B	12/15/22 03:58
474711-019	TCMX (PCB)	SVOA-GC06	B	12/15/22 03:58
474711-019	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 03:58
QC1031899	Aroclor-1016	SVOA-GC06	B	12/15/22 00:18
QC1031899	Aroclor-1221	SVOA-GC06	B	12/15/22 00:18
QC1031899	Aroclor-1232	SVOA-GC06	B	12/15/22 00:18
QC1031899	Aroclor-1242	SVOA-GC06	B	12/15/22 00:18
QC1031899	Aroclor-1248	SVOA-GC06	B	12/15/22 00:18
QC1031899	Aroclor-1254	SVOA-GC06	B	12/15/22 00:18
QC1031899	Aroclor-1260	SVOA-GC06	B	12/15/22 00:18
QC1031899	Aroclor-1262	SVOA-GC06	B	12/15/22 00:18
QC1031899	Aroclor-1268	SVOA-GC06	B	12/15/22 00:18
QC1031899	TCMX (PCB)	SVOA-GC06	B	12/15/22 00:18
QC1031899	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 00:18
474711-002	Aroclor-1016	SVOA-GC06	B	12/14/22 16:21
474711-002	Aroclor-1221	SVOA-GC06	B	12/14/22 16:21
474711-002	Aroclor-1232	SVOA-GC06	B	12/14/22 16:21
474711-002	Aroclor-1242	SVOA-GC06	B	12/14/22 16:21
474711-002	Aroclor-1248	SVOA-GC06	B	12/14/22 16:21
474711-002	Aroclor-1254	SVOA-GC06	B	12/14/22 16:21
474711-002	Aroclor-1260	SVOA-GC06	B	12/14/22 16:21
474711-002	Aroclor-1262	SVOA-GC06	B	12/14/22 16:21
474711-002	Aroclor-1268	SVOA-GC06	B	12/14/22 16:21
474711-002	TCMX (PCB)	SVOA-GC06	B	12/14/22 16:21
474711-002	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/14/22 16:21
474711-004	Aroclor-1016	SVOA-GC06	B	12/14/22 16:39
474711-004	Aroclor-1221	SVOA-GC06	B	12/14/22 16:39
474711-004	Aroclor-1232	SVOA-GC06	B	12/14/22 16:39
474711-004	Aroclor-1242	SVOA-GC06	B	12/14/22 16:39
474711-004	Aroclor-1248	SVOA-GC06	B	12/14/22 16:39
474711-004	Aroclor-1254	SVOA-GC06	B	12/14/22 16:39
474711-004	Aroclor-1260	SVOA-GC06	B	12/14/22 16:39
474711-004	Aroclor-1262	SVOA-GC06	B	12/14/22 16:39
474711-004	Aroclor-1268	SVOA-GC06	B	12/14/22 16:39
474711-004	TCMX (PCB)	SVOA-GC06	B	12/14/22 16:39
474711-004	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/14/22 16:39
474711-006	Aroclor-1016	SVOA-GC06	B	12/14/22 16:58
474711-006	Aroclor-1221	SVOA-GC06	B	12/14/22 16:58
474711-006	Aroclor-1232	SVOA-GC06	B	12/14/22 16:58
474711-006	Aroclor-1242	SVOA-GC06	B	12/14/22 16:58
474711-006	Aroclor-1248	SVOA-GC06	B	12/14/22 16:58
474711-006	Aroclor-1254	SVOA-GC06	B	12/14/22 16:58

Sample ID	Analyte	Inst ID	Ch	Date & Time
474711-006	Aroclor-1260	SVOA-GC06	B	12/14/22 16:58
474711-006	Aroclor-1262	SVOA-GC06	B	12/14/22 16:58
474711-006	Aroclor-1268	SVOA-GC06	B	12/14/22 16:58
474711-006	TCMX (PCB)	SVOA-GC06	B	12/14/22 16:58
474711-006	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/14/22 16:58
474711-008	Aroclor-1016	SVOA-GC06	B	12/14/22 17:16
474711-008	Aroclor-1221	SVOA-GC06	B	12/14/22 17:16
474711-008	Aroclor-1232	SVOA-GC06	B	12/14/22 17:16
474711-008	Aroclor-1242	SVOA-GC06	B	12/14/22 17:16
474711-008	Aroclor-1248	SVOA-GC06	B	12/14/22 17:16
474711-008	Aroclor-1254	SVOA-GC06	B	12/14/22 17:16
474711-008	Aroclor-1260	SVOA-GC06	B	12/14/22 17:16
474711-008	Aroclor-1262	SVOA-GC06	B	12/14/22 17:16
474711-008	Aroclor-1268	SVOA-GC06	B	12/14/22 17:16
474711-008	TCMX (PCB)	SVOA-GC06	B	12/14/22 17:16
474711-008	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/14/22 17:16
474711-010	Aroclor-1016	SVOA-GC06	B	12/14/22 17:34
474711-010	Aroclor-1221	SVOA-GC06	B	12/14/22 17:34
474711-010	Aroclor-1232	SVOA-GC06	B	12/14/22 17:34
474711-010	Aroclor-1242	SVOA-GC06	B	12/14/22 17:34
474711-010	Aroclor-1248	SVOA-GC06	B	12/14/22 17:34
474711-010	Aroclor-1254	SVOA-GC06	B	12/14/22 17:34
474711-010	Aroclor-1260	SVOA-GC06	B	12/14/22 17:34
474711-010	Aroclor-1262	SVOA-GC06	B	12/14/22 17:34
474711-010	Aroclor-1268	SVOA-GC06	B	12/14/22 17:34
474711-010	TCMX (PCB)	SVOA-GC06	B	12/14/22 17:34
474711-010	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/14/22 17:34
474711-012	Aroclor-1016	SVOA-GC06	B	12/14/22 17:53
474711-012	Aroclor-1221	SVOA-GC06	B	12/14/22 17:53
474711-012	Aroclor-1232	SVOA-GC06	B	12/14/22 17:53
474711-012	Aroclor-1242	SVOA-GC06	B	12/14/22 17:53
474711-012	Aroclor-1248	SVOA-GC06	B	12/14/22 17:53
474711-012	Aroclor-1254	SVOA-GC06	B	12/14/22 17:53
474711-012	Aroclor-1260	SVOA-GC06	B	12/14/22 17:53
474711-012	Aroclor-1262	SVOA-GC06	B	12/14/22 17:53
474711-012	Aroclor-1268	SVOA-GC06	B	12/14/22 17:53
474711-012	TCMX (PCB)	SVOA-GC06	B	12/14/22 17:53
474711-012	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/14/22 17:53
474711-014	Aroclor-1016	SVOA-GC06	B	12/15/22 12:01
474711-014	Aroclor-1221	SVOA-GC06	B	12/15/22 12:01
474711-014	Aroclor-1232	SVOA-GC06	B	12/15/22 12:01
474711-014	Aroclor-1242	SVOA-GC06	B	12/15/22 12:01
474711-014	Aroclor-1248	SVOA-GC06	B	12/15/22 12:01
474711-014	Aroclor-1254	SVOA-GC06	B	12/15/22 12:01
474711-014	Aroclor-1260	SVOA-GC06	B	12/15/22 12:01
474711-014	Aroclor-1262	SVOA-GC06	B	12/15/22 12:01
474711-014	Aroclor-1268	SVOA-GC06	B	12/15/22 12:01
474711-014	TCMX (PCB)	SVOA-GC06	B	12/15/22 12:01
474711-014	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 12:01

Sample ID	Analyte	Inst ID	Ch	Date & Time
474711-016	Aroclor-1016	SVOA-GC06	B	12/14/22 18:29
474711-016	Aroclor-1221	SVOA-GC06	B	12/14/22 18:29
474711-016	Aroclor-1232	SVOA-GC06	B	12/14/22 18:29
474711-016	Aroclor-1242	SVOA-GC06	B	12/14/22 18:29
474711-016	Aroclor-1248	SVOA-GC06	B	12/14/22 18:29
474711-016	Aroclor-1254	SVOA-GC06	B	12/14/22 18:29
474711-016	Aroclor-1260	SVOA-GC06	B	12/14/22 18:29
474711-016	Aroclor-1262	SVOA-GC06	B	12/14/22 18:29
474711-016	Aroclor-1268	SVOA-GC06	B	12/14/22 18:29
474711-016	TCMX (PCB)	SVOA-GC06	B	12/14/22 18:29
474711-016	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/14/22 18:29
474711-018	Aroclor-1016	SVOA-GC06	B	12/14/22 18:47
474711-018	Aroclor-1221	SVOA-GC06	B	12/14/22 18:47
474711-018	Aroclor-1232	SVOA-GC06	B	12/14/22 18:47
474711-018	Aroclor-1242	SVOA-GC06	B	12/14/22 18:47
474711-018	Aroclor-1248	SVOA-GC06	B	12/14/22 18:47
474711-018	Aroclor-1254	SVOA-GC06	B	12/14/22 18:47
474711-018	Aroclor-1260	SVOA-GC06	B	12/14/22 18:47
474711-018	Aroclor-1262	SVOA-GC06	B	12/14/22 18:47
474711-018	Aroclor-1268	SVOA-GC06	B	12/14/22 18:47
474711-018	TCMX (PCB)	SVOA-GC06	B	12/14/22 18:47
474711-018	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/14/22 18:47
474711-020	Aroclor-1016	SVOA-GC06	B	12/14/22 19:06
474711-020	Aroclor-1221	SVOA-GC06	B	12/14/22 19:06
474711-020	Aroclor-1232	SVOA-GC06	B	12/14/22 19:06
474711-020	Aroclor-1242	SVOA-GC06	B	12/14/22 19:06
474711-020	Aroclor-1248	SVOA-GC06	B	12/14/22 19:06
474711-020	Aroclor-1254	SVOA-GC06	B	12/14/22 19:06
474711-020	Aroclor-1260	SVOA-GC06	B	12/14/22 19:06
474711-020	Aroclor-1262	SVOA-GC06	B	12/14/22 19:06
474711-020	Aroclor-1268	SVOA-GC06	B	12/14/22 19:06
474711-020	TCMX (PCB)	SVOA-GC06	B	12/14/22 19:06
474711-020	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/14/22 19:06
QC1031896	Aroclor-1016	SVOA-GC06	B	12/14/22 15:26
QC1031896	Aroclor-1221	SVOA-GC06	B	12/14/22 15:26
QC1031896	Aroclor-1232	SVOA-GC06	B	12/14/22 15:26
QC1031896	Aroclor-1242	SVOA-GC06	B	12/14/22 15:26
QC1031896	Aroclor-1248	SVOA-GC06	B	12/14/22 15:26
QC1031896	Aroclor-1254	SVOA-GC06	B	12/14/22 15:26
QC1031896	Aroclor-1260	SVOA-GC06	B	12/14/22 15:26
QC1031896	Aroclor-1262	SVOA-GC06	B	12/14/22 15:26
QC1031896	Aroclor-1268	SVOA-GC06	B	12/14/22 15:26
QC1031896	TCMX (PCB)	SVOA-GC06	B	12/14/22 15:26
QC1031896	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/14/22 15:26
QC1031897	Aroclor-1016	SVOA-GC06	B	12/14/22 15:44
QC1031897	Aroclor-1260	SVOA-GC06	B	12/14/22 15:44
QC1031897	TCMX (PCB)	SVOA-GC06	B	12/14/22 15:44
QC1031897	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/14/22 15:44
QC1031898	Aroclor-1016	SVOA-GC06	B	12/14/22 16:03

REPORTING SUMMARY FOR 474711 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
QC1031898	Aroclor-1260	SVOA-GC06	B	12/14/22 16:03
QC1031898	TCMX (PCB)	SVOA-GC06	B	12/14/22 16:03
QC1031898	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/14/22 16:03
QC1031900	Aroclor-1016	SVOA-GC06	B	12/15/22 00:36
QC1031900	Aroclor-1260	SVOA-GC06	B	12/15/22 00:36
QC1031900	TCMX (PCB)	SVOA-GC06	B	12/15/22 00:36
QC1031900	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 00:36
QC1031901	Aroclor-1016	SVOA-GC06	B	12/15/22 00:54
QC1031901	Aroclor-1260	SVOA-GC06	B	12/15/22 00:54
QC1031901	TCMX (PCB)	SVOA-GC06	B	12/15/22 00:54
QC1031901	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 00:54

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474711-001	Client ID:	20221209-2C-01
Seqnum:	452501809044	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422044	Batch:	303182	Time:	15-DEC-2022 01:13
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	156.1	~~1.6~~ ~~FP~~	1.6	3%	0.50		x u
Aroclor-1016 Peak # 1	B	431.9	4.32	2.89	40%			
Aroclor-1016 Peak # 2	B	68.29	0.68	0.12	141%			
Aroclor-1016 Peak # 3	B	159.1	1.59	1.05	41%			
Aroclor-1016 Peak # 4	B	16.56	0.17	0.20	17%			
Aroclor-1016 Peak # 5	B	104.8	1.05	3.78	113%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	35.68	ND	0.41	15%	0.50		u
Aroclor-1260 Peak # 1	B	58.63	0.59	0.97	49%			
Aroclor-1260 Peak # 2	B	53.12	0.53	0.01	196%			
Aroclor-1260 Peak # 3	B	7.237	0.07	0.16	76%			
Aroclor-1260 Peak # 4	B	-21.96	ND	0.74	368%			
Aroclor-1260 Peak # 5	B	81.39	0.81	0.19	124%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	31.50	0.5000	0.3150	63	19-121	u
Decachlorobiphenyl (PCB)	B	24.88	0.5000	0.2488	50	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422036)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5560467	6371921	14.59
1-bromo-2-nitrobenzene (PCB)	A	1170615	1310863	11.98

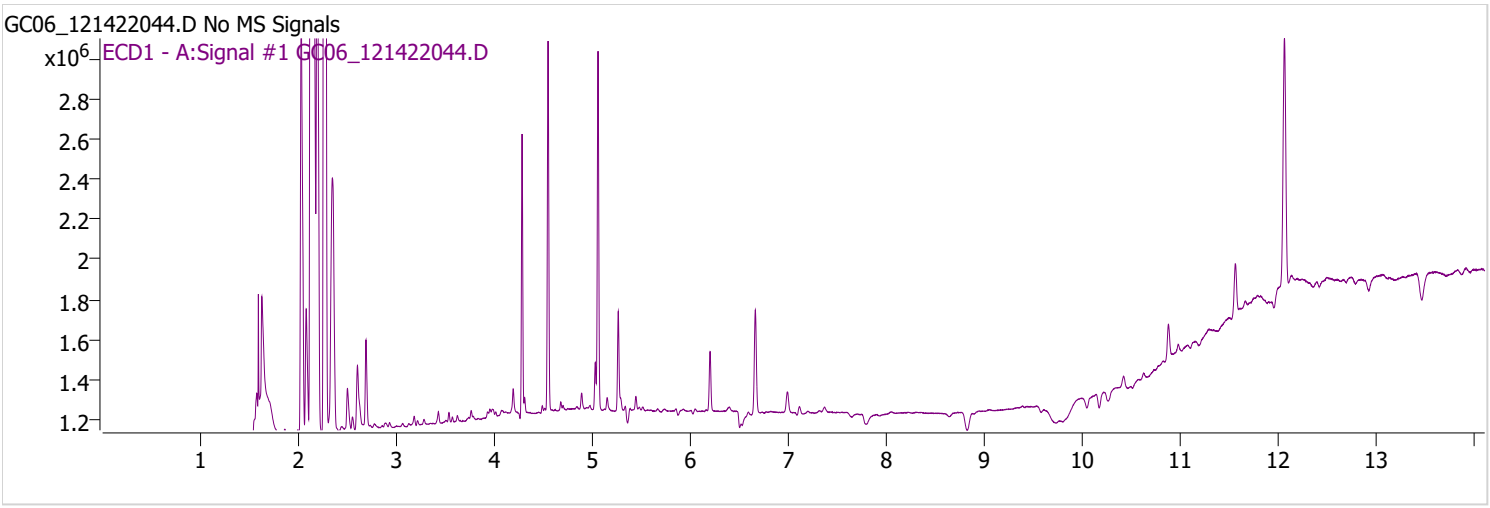
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

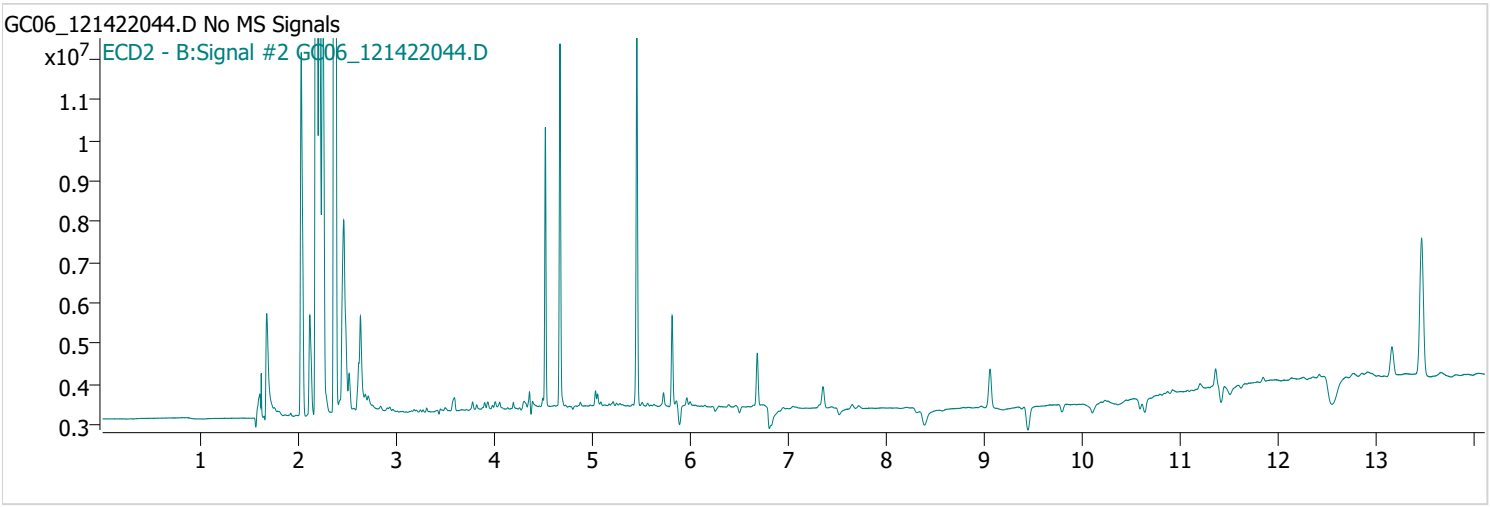
ISTD (CCV gc06_121422036)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

Analyst: MES 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422044.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 1:13:11 AM
Sample Name	474711-001, 303182, 1	Instrument	SVOA-GC06
Vial	27	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



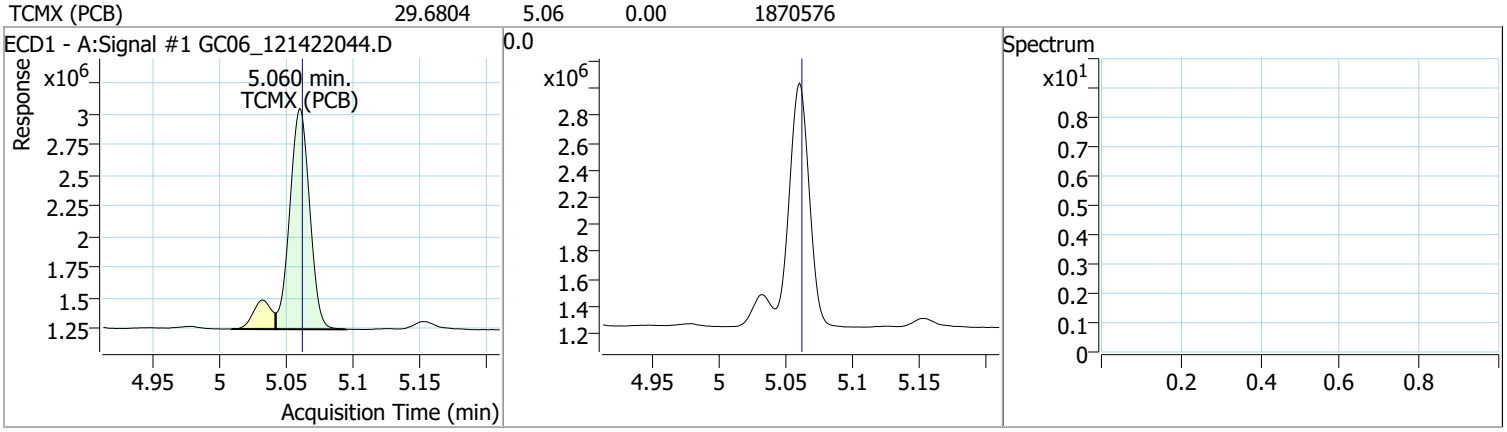


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	1310863.345	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	6371920.532	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.060	0.0	1870575.596	29.6804	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 148.40%			
S TCMX (PCB) #2	5.457	0.0	9639978.810	31.5023	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 157.51%		*	
S Decachlorobiphenyl (PCB)	12.071	0.0	2648461.807	29.0128	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 145.06%			
S Decachlorobiphenyl (PCB) #2	13.472	0.0	8747905.377	24.8781	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 124.39%			
Target Compounds							QValue

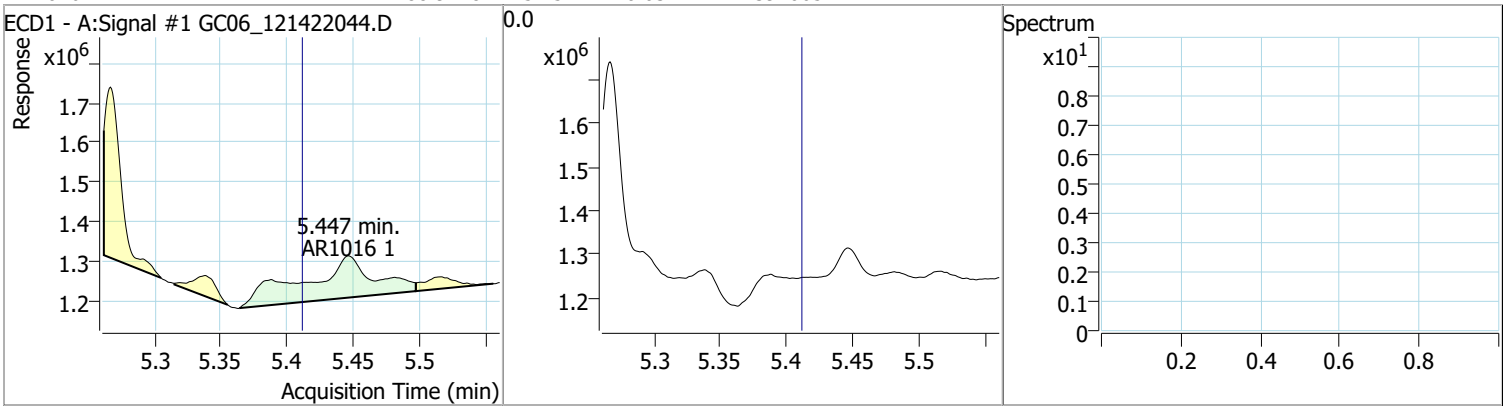
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.447	0.0	397064.830	288.9118	ng/ml	100
T AR1016 2	5.743	0.0	74567.903	11.8978	ng/ml	100
T AR1016 1 #2	5.968	0.0	2860200.677	431.8930	ng/ml	100
T AR1016 3	6.204	0.0	365382.593	104.8587	ng/ml	100
T AR1016 4	6.402	0.0	51952.763	19.6034	ng/ml	100
T AR1016 2 #2	6.391	0.0	652828.088	68.2886	ng/ml	100
T AR1016 5	6.667	0.0	806165.465	377.6630	ng/ml	100
T AR1016 3 #2	7.048	0.0	2764194.326	159.1333	ng/ml	100
T AR1016 4 #2	7.048	0.0	205372.873	16.5612	ng/ml	100
T AR1016 5 #2	7.358	0.0	1055941.962	104.7568	ng/ml	100
T AR1260 1	8.734	0.0	430023.387	97.0257	ng/ml	100
T AR1260 2	9.340	0.0	3406.860	0.5043	ng/ml	100
T AR1260 3	9.613	0.0	113167.810	16.0278	ng/ml	100
T AR1260 1 #2	10.005	0.0	1111790.198	58.6302	ng/ml	100
T AR1260 4	10.148	0.0	334326.309	74.2086	ng/ml	100
T AR1260 2 #2	10.238	0.0	1210408.764	53.1250	ng/ml	100
T AR1260 3 #2	10.616	0.0	208705.437	7.2367	ng/ml	100
T AR1260 5	10.886	0.0	292929.748	19.1669	ng/ml	100
T AR1260 4 #2	11.124	0.0	26749.969	0.0000	ng/ml	100
T AR1260 5 #2	11.368	0.0	2398132.136	81.4014	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

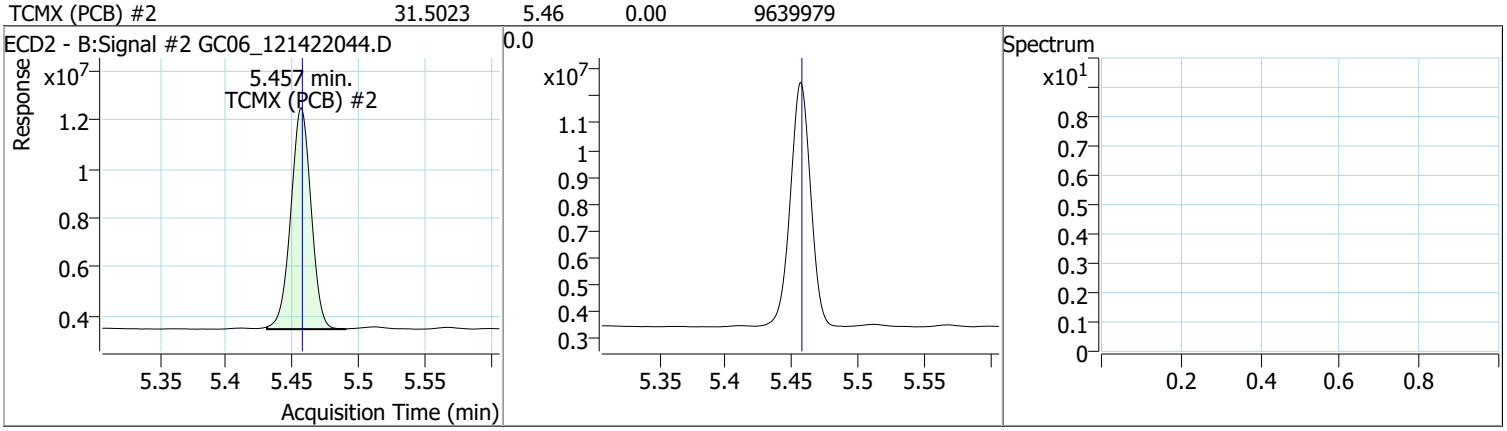
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	29.6804	5.06	0.00	1870576				



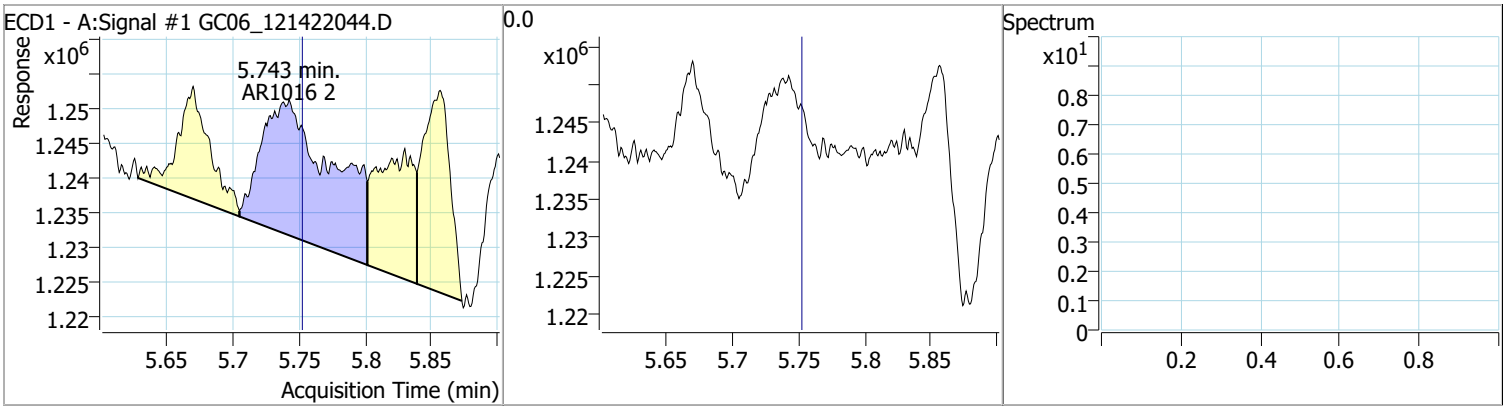
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	288.9118	5.45	0.03	397065				



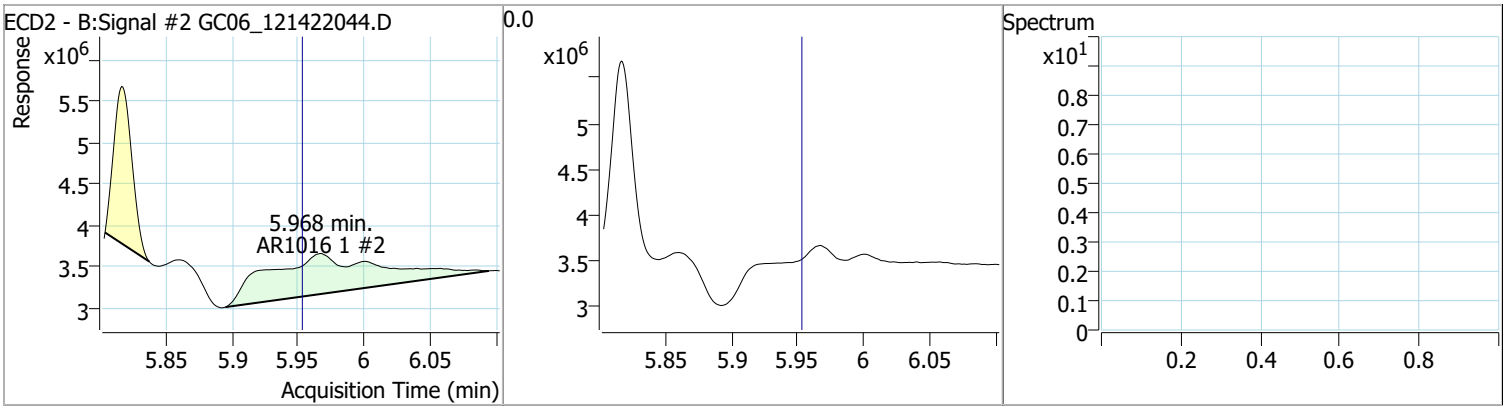
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	31.5023	5.46	0.00	9639979				



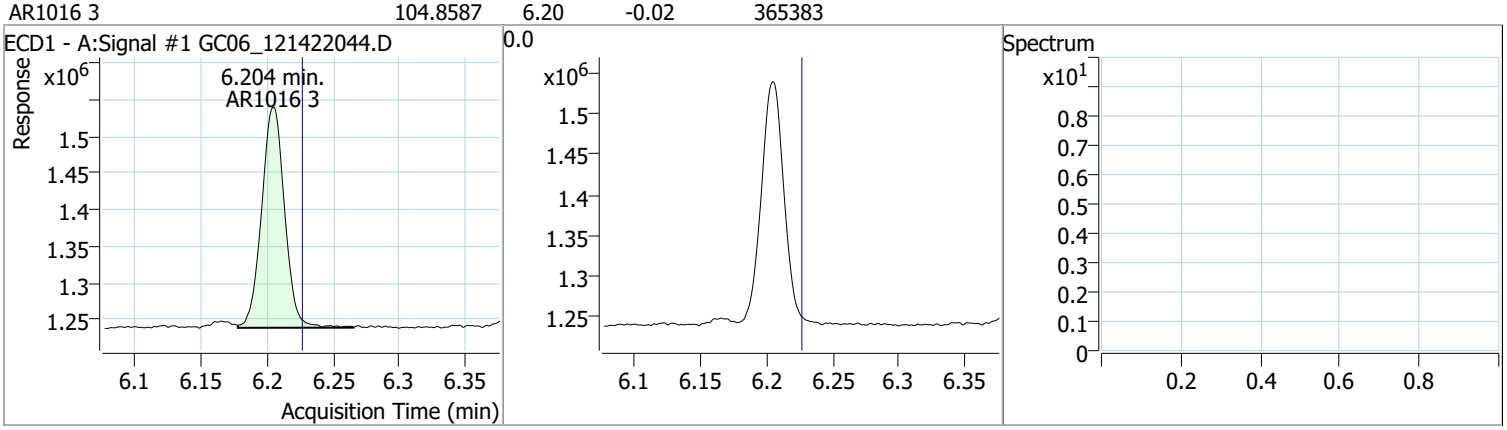
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	11.8978	5.74	-0.01	74568				



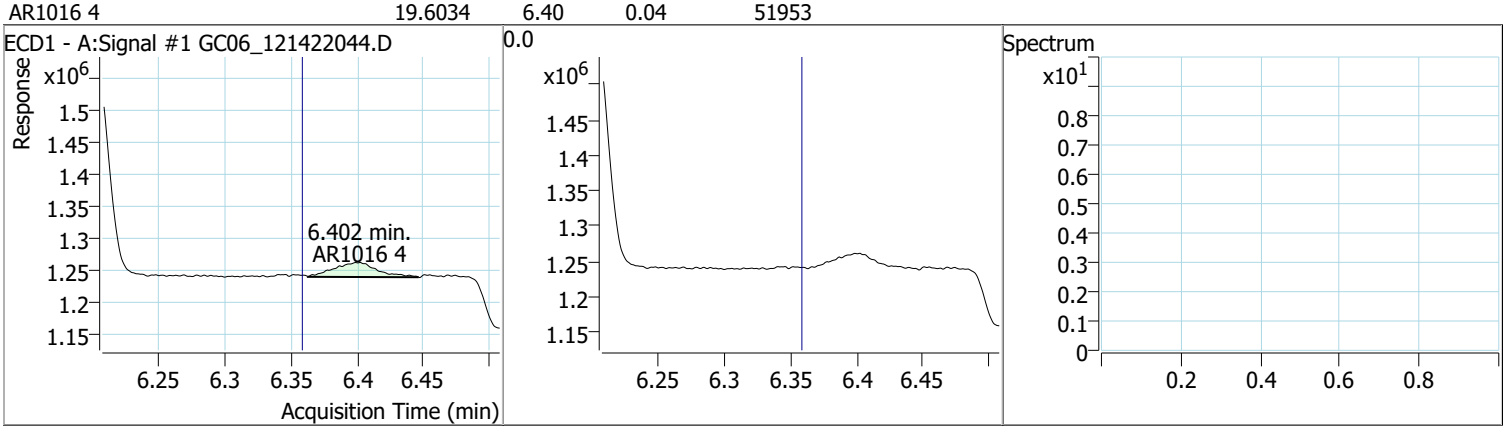
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	431.8930	5.97	0.01	2860201				



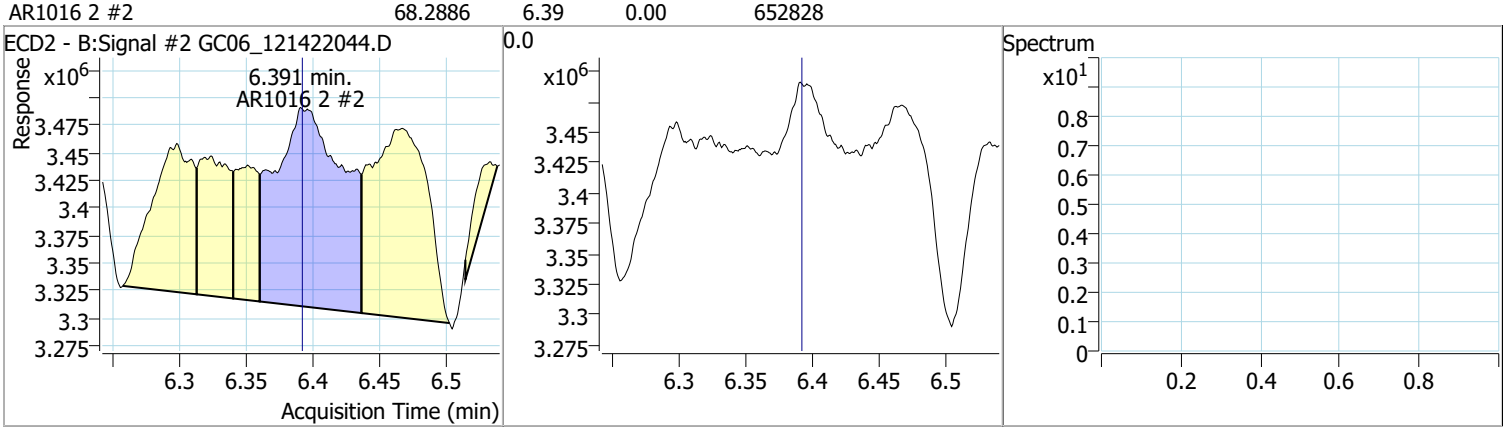
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	104.8587	6.20	-0.02	365383				



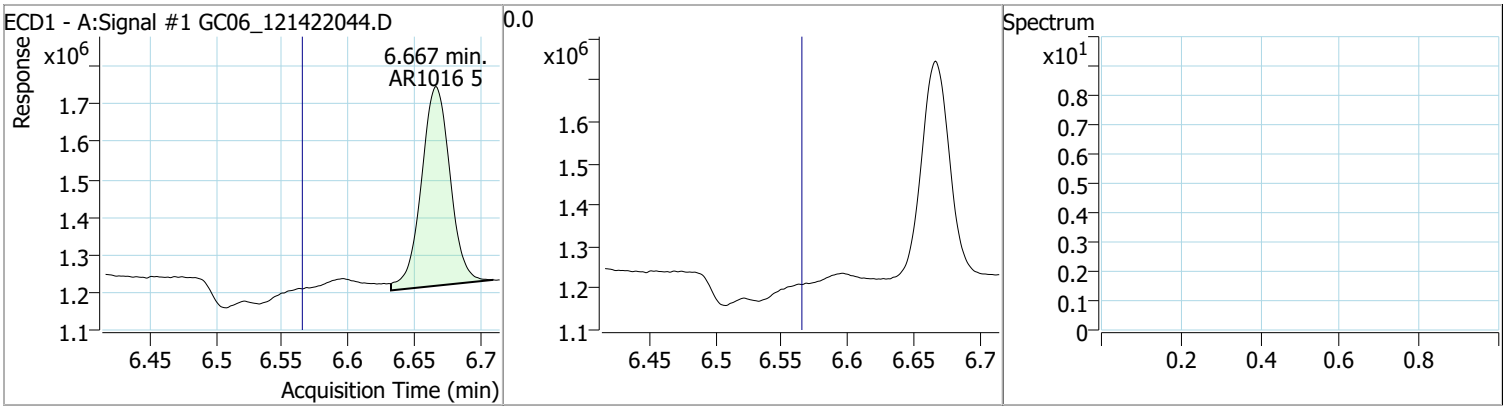
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	19.6034	6.40	0.04	51953				



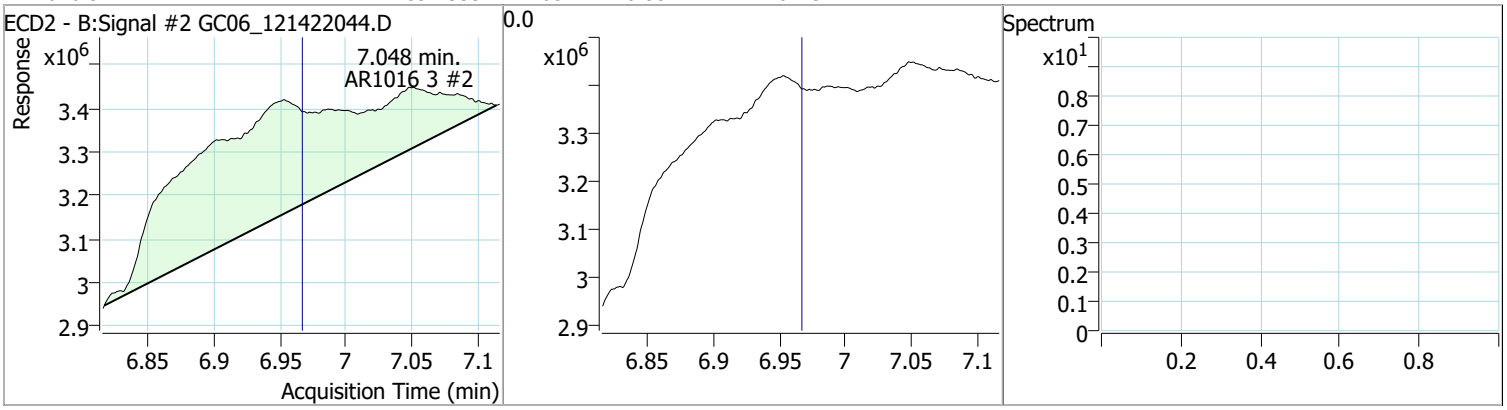
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	68.2886	6.39	0.00	652828				



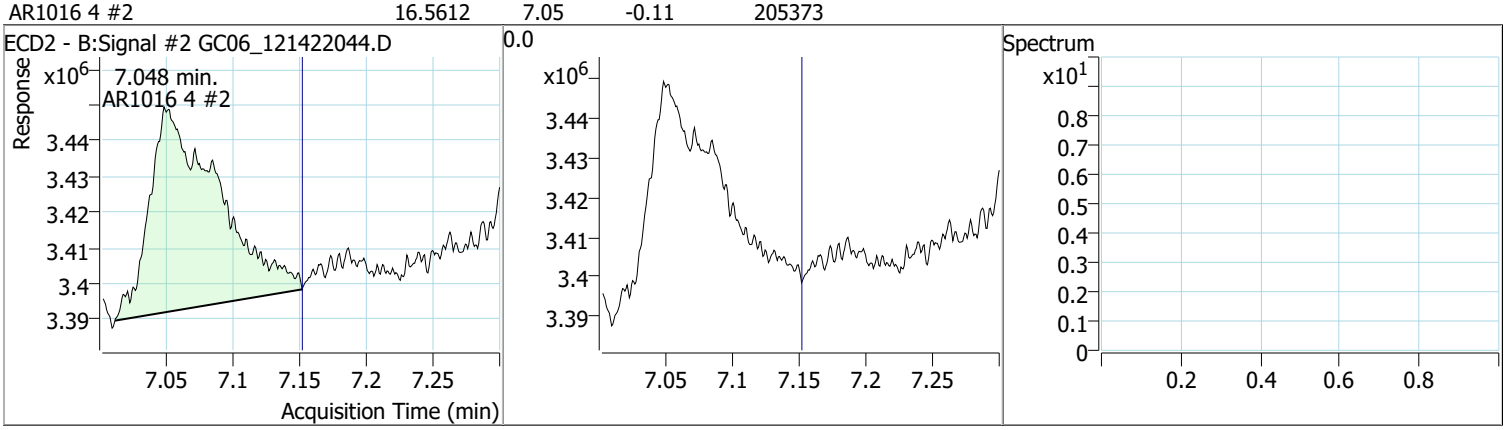
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	377.6630	6.67	0.10	806165				



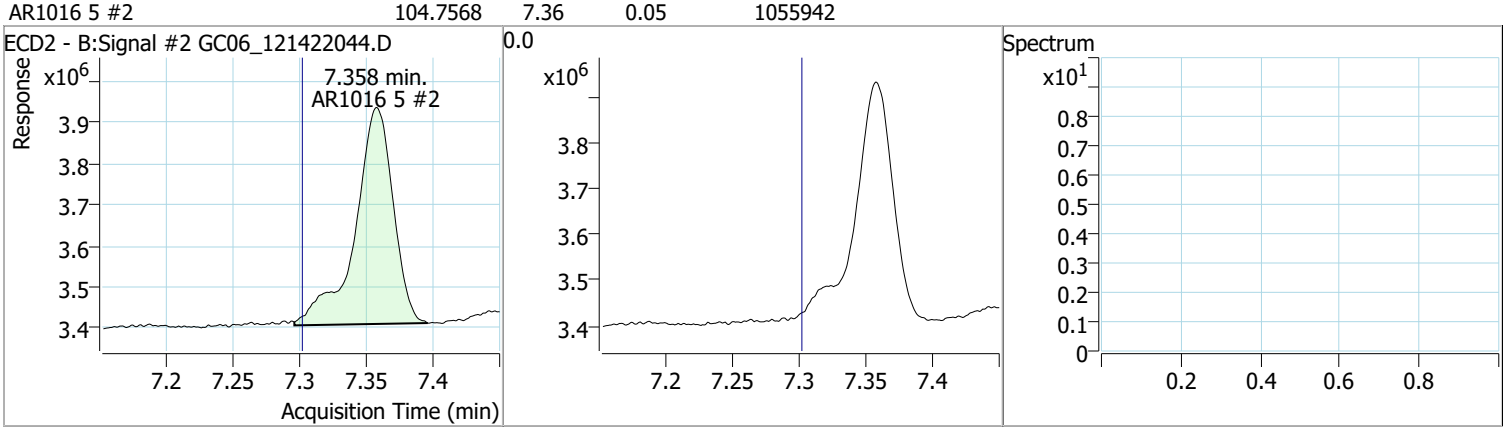
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	159.1333	7.05	0.08	2764194				



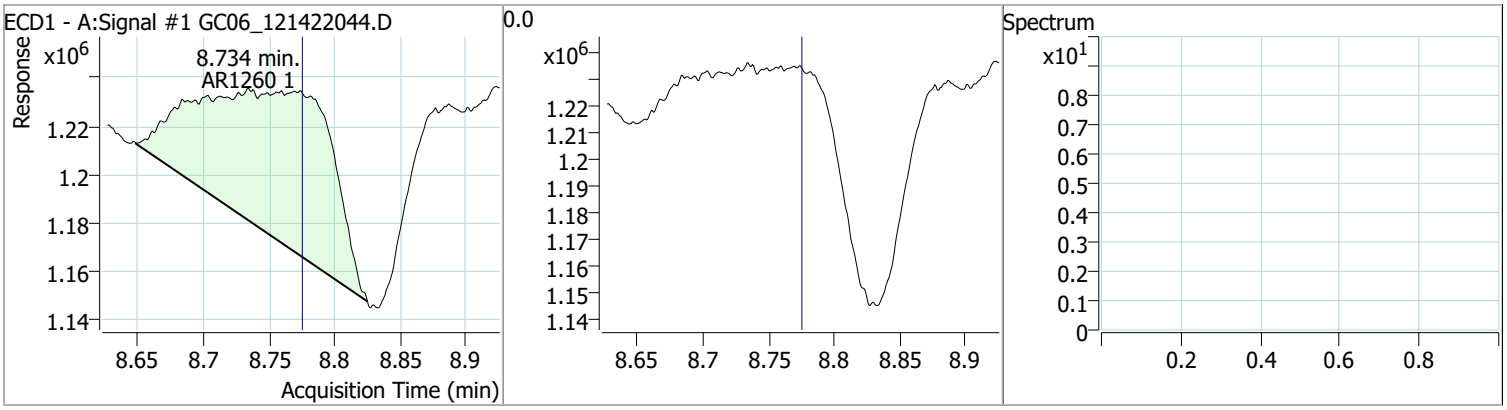
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	16.5612	7.05	-0.11	205373				



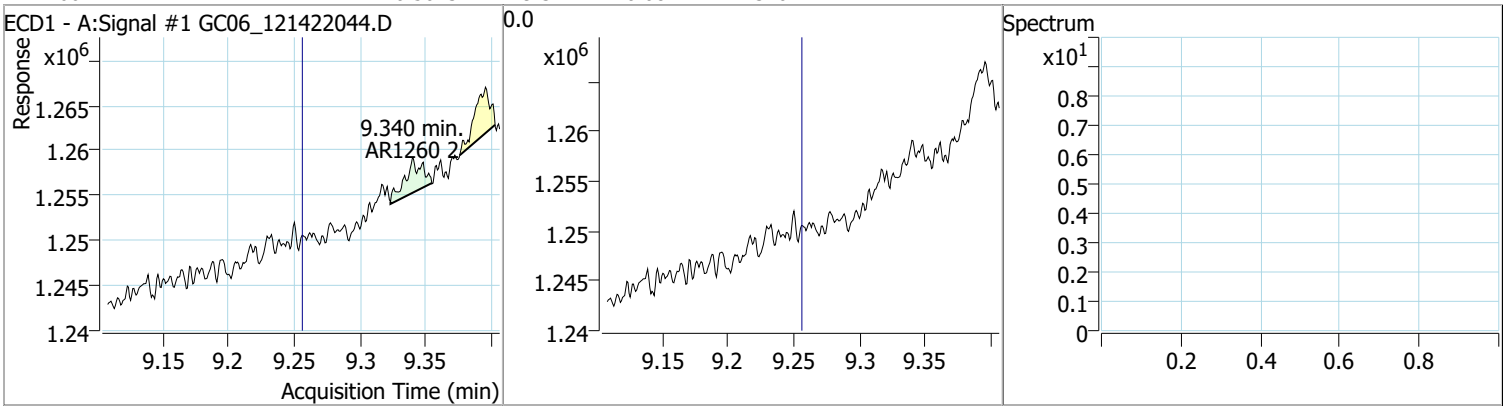
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	104.7568	7.36	0.05	1055942				



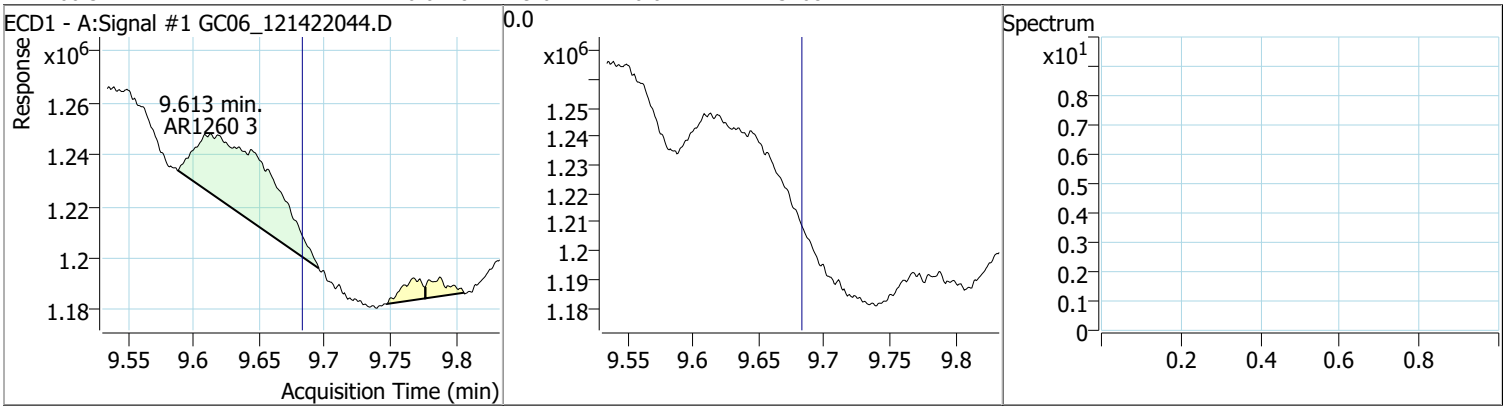
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	97.0257	8.73	-0.04	430023				



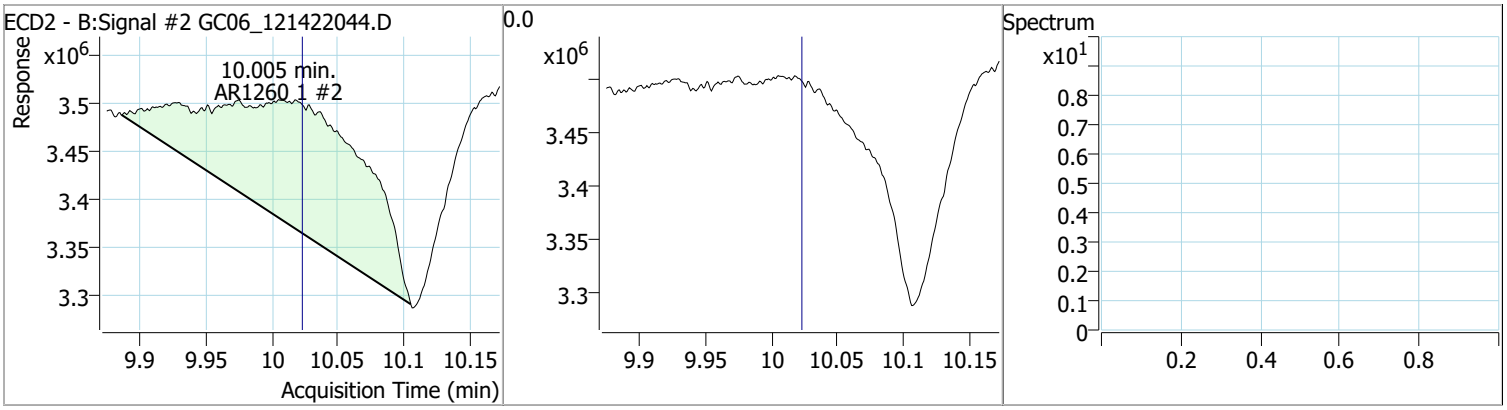
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.5043	9.34	0.08	3407				



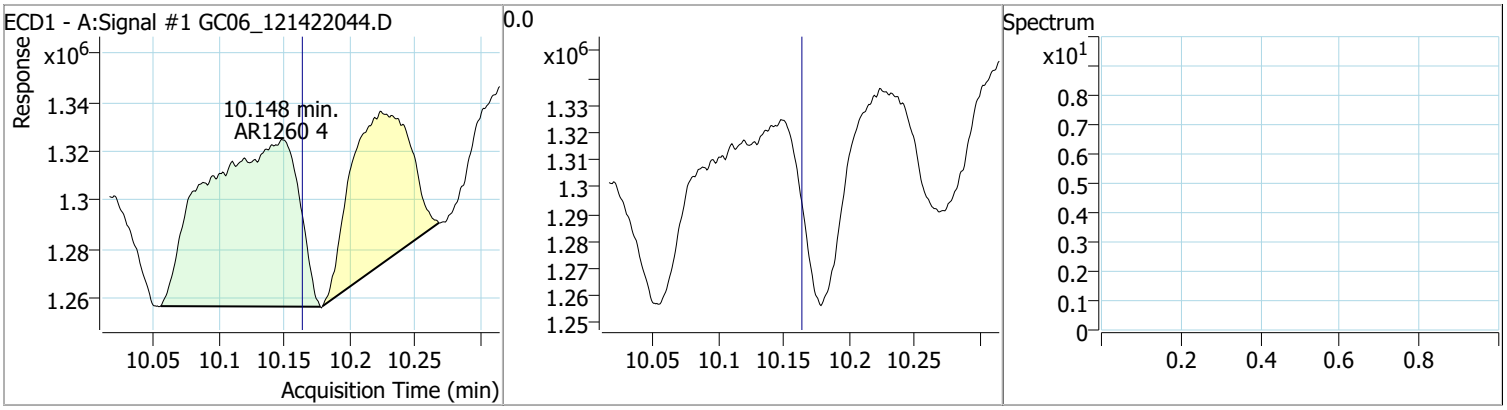
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	16.0278	9.61	-0.07	113168				



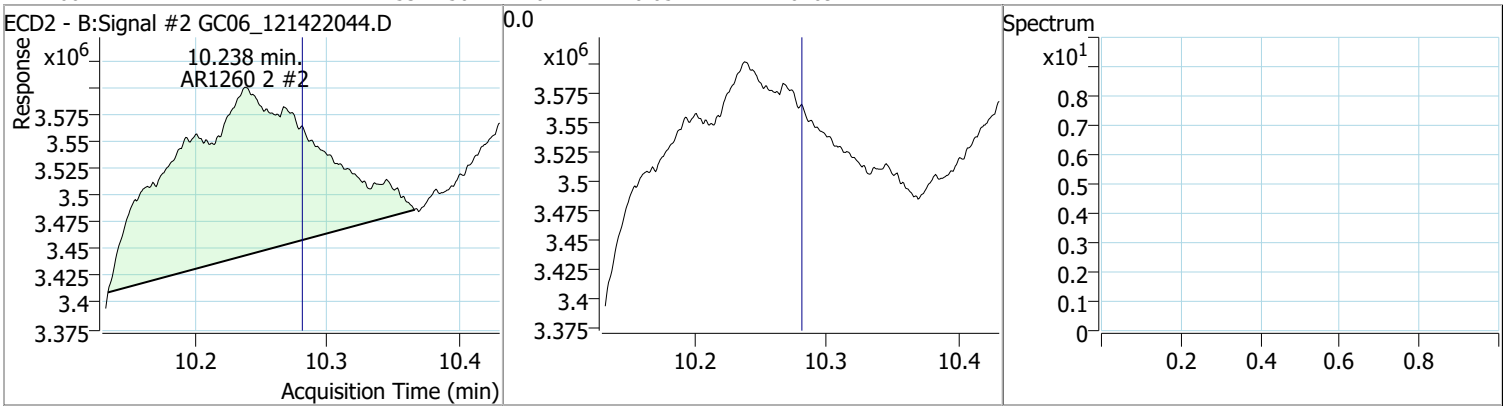
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	58.6302	10.01	-0.02	1111790				



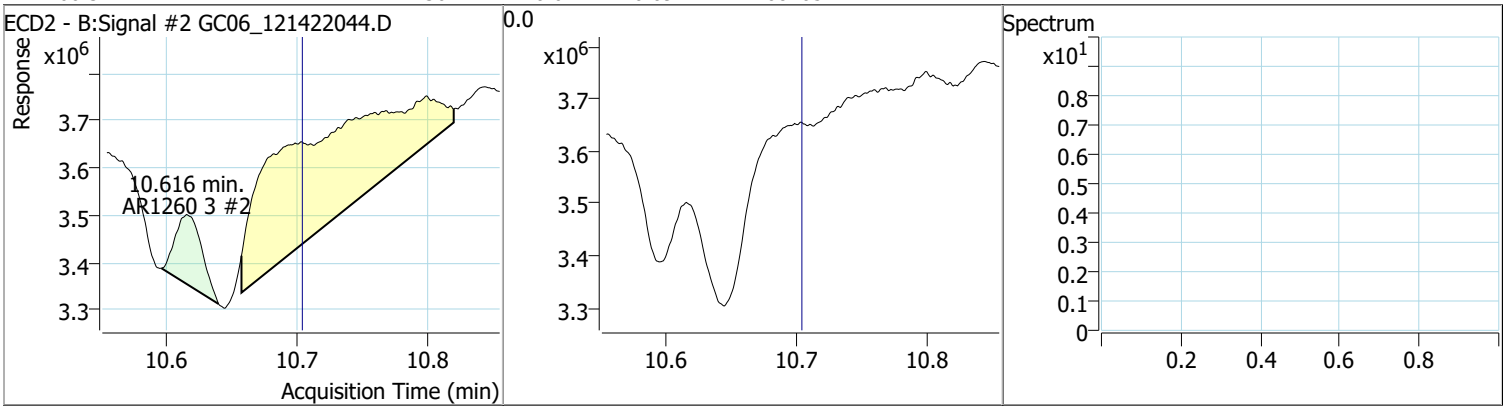
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	74.2086	10.15	-0.02	334326				



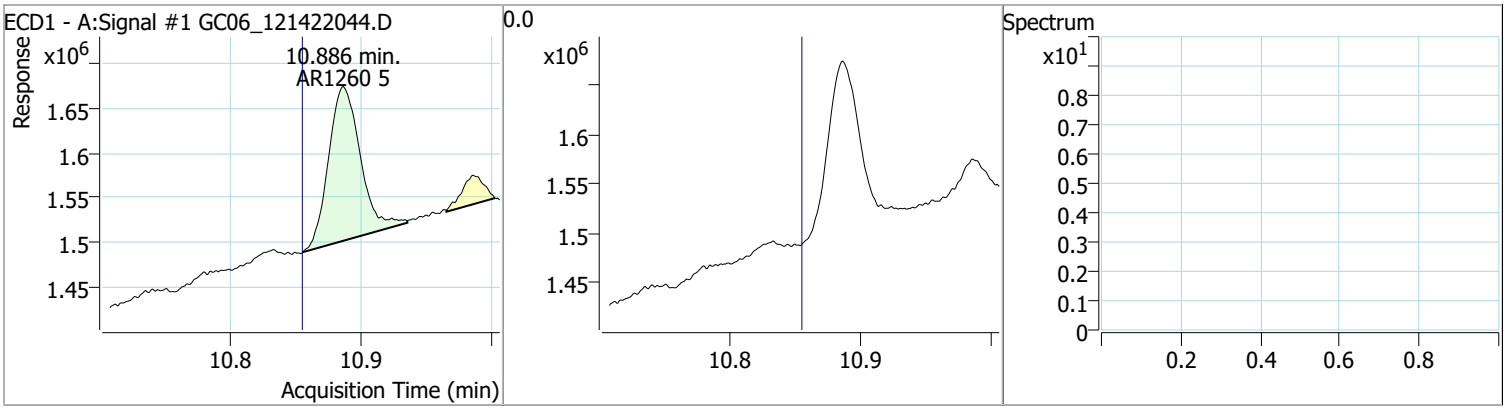
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	53.1250	10.24	-0.05	1210409				



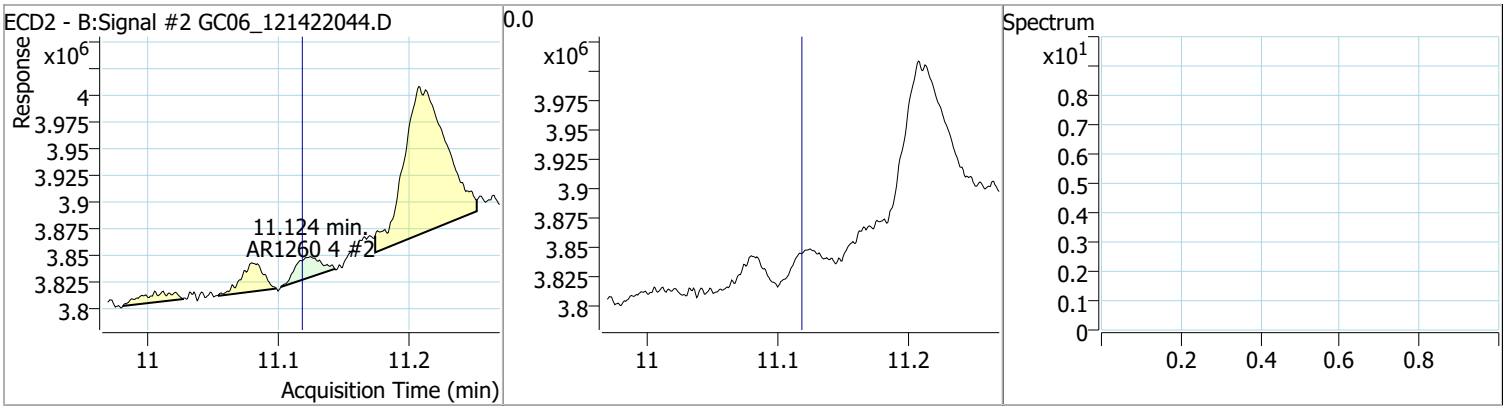
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.2367	10.62	-0.09	208705				



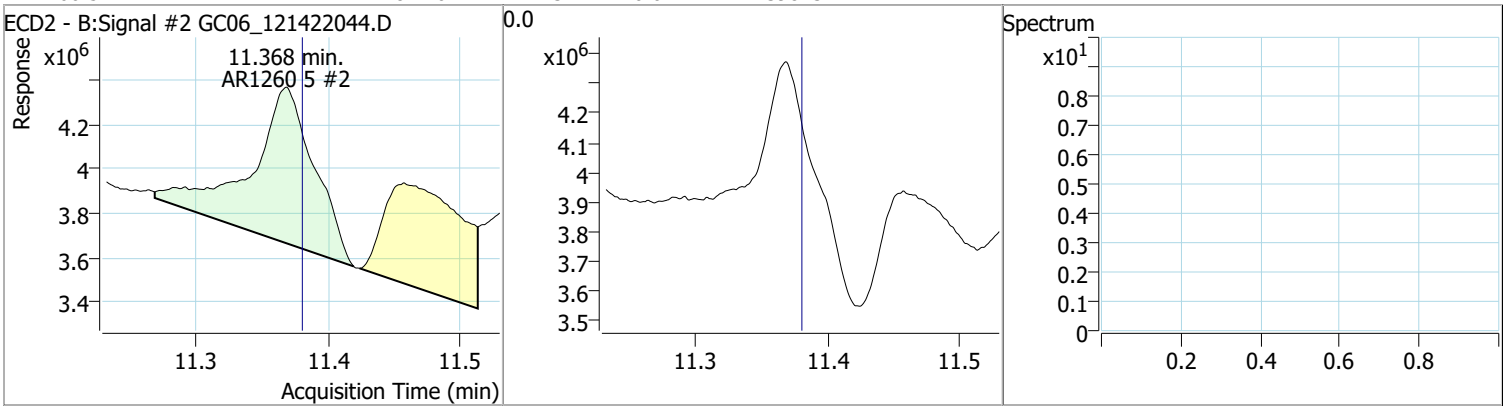
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	19.1669	10.89	0.03	292930				



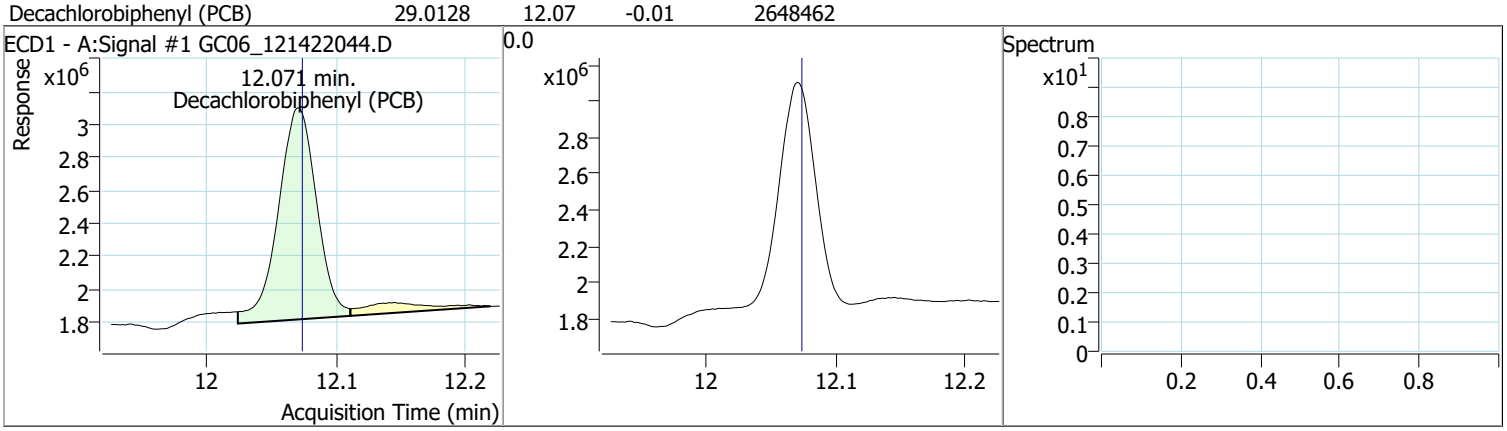
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.12	0.00	26750				



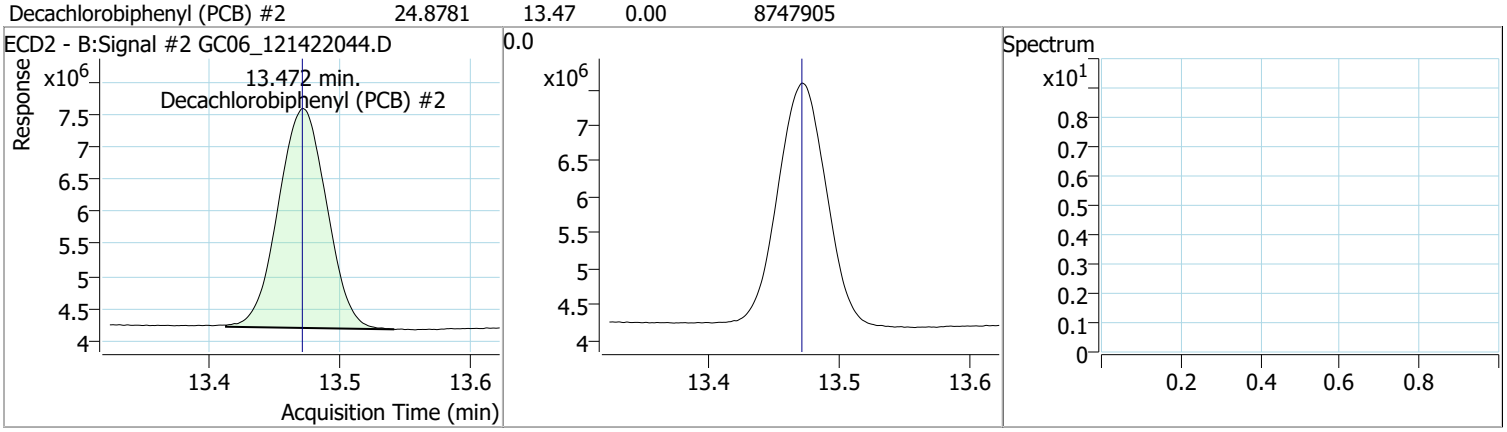
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	81.4014	11.37	-0.01	2398132				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	29.0128	12.07	-0.01	2648462				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	24.8781	13.47	0.00	8747905				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474711-002	Client ID:	20221209-2C-01-DUP
Seqnum:	452501809015	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422015	Batch:	303181	Time:	14-DEC-2022 16:21
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	42.75	~~0.85~~ ~~FP~~	0.71	19%	0.50		x u
Aroclor-1016 Peak # 1	B	170.8	3.42	2.55	29%			
Aroclor-1016 Peak # 2	B	12.35	0.25	ND	840%			
Aroclor-1016 Peak # 3	B	29.21	0.58	0.79	30%			
Aroclor-1016 Peak # 4	B	0.2895	0.01	0.01	10%			
Aroclor-1016 Peak # 5	B	1.056	0.02	0.35	177%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	6.868	ND	0.38	93%	0.50		u
Aroclor-1260 Peak # 1	B	13.32	0.27	0.89	108%			
Aroclor-1260 Peak # 2	B	5.229	0.10	0.00	194%			
Aroclor-1260 Peak # 3	B	3.915	0.08	0.06	29%			
Aroclor-1260 Peak # 4	B	-21.00	ND	0.69	831%			
Aroclor-1260 Peak # 5	B	32.87	0.66	0.25	91%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	18.88	0.5000	0.3777	76	52-121	u
Decachlorobiphenyl (PCB)	B	17.49	0.5000	0.3498	70	50-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5307613	4946938	-6.80
1-bromo-2-nitrobenzene (PCB)	A	1103956	1041369	-5.67

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

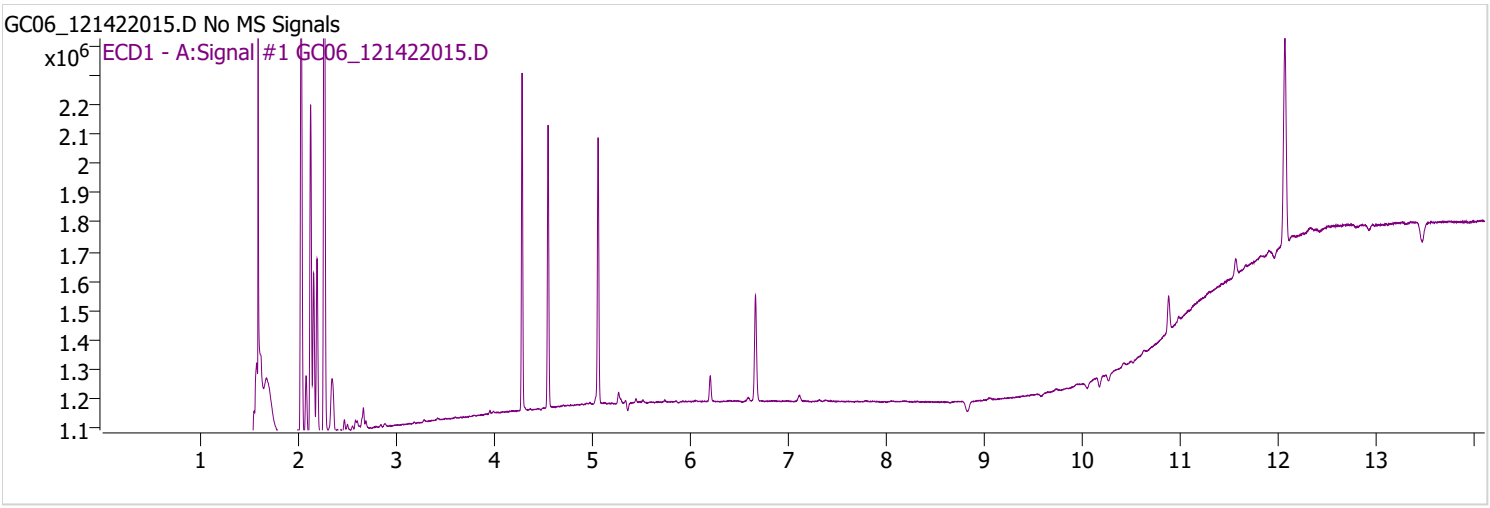
ISTD (CCV gc06_121422004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

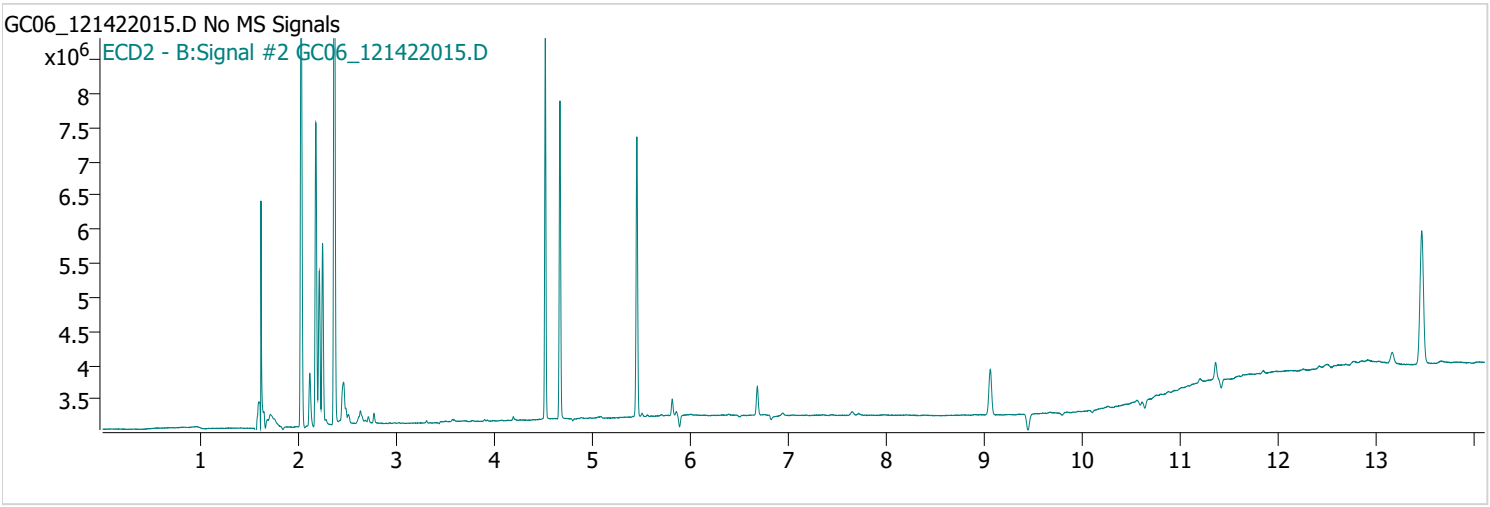
u=use x=false positive

Analyst: MES 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422015.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 4:21:23 PM
Sample Name	474711-002, 303181, 1	Instrument	SVOA-GC06
Vial	4	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



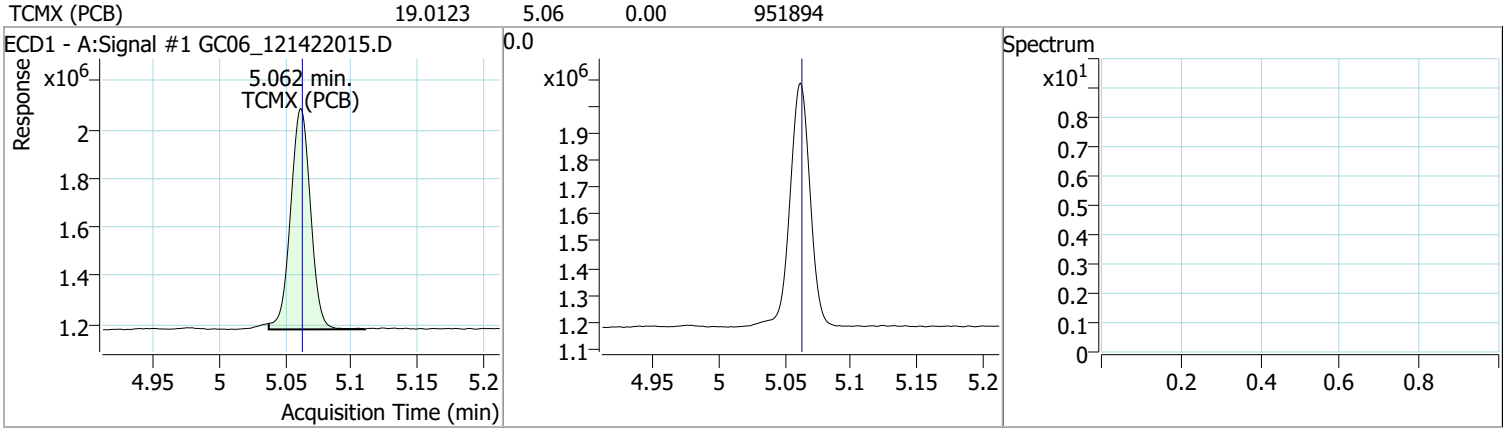


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.285	0.0	1041369.041	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.523	0.0	4946938.094	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.062	0.0	951893.754	19.0123	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 95.06%		
S TCMX (PCB) #2	5.458	0.0	4486140.741	18.8831	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 94.42%		
S Decachlorobiphenyl (PCB)	12.077	0.0	1414020.314	18.0813	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 90.41%		
S Decachlorobiphenyl (PCB) #2	13.473	0.0	4932473.152	17.4896	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 87.45%		
Target Compounds						**QValue**
T AR1016 1	5.448	0.0	139369.220	127.6508	ng/ml	100

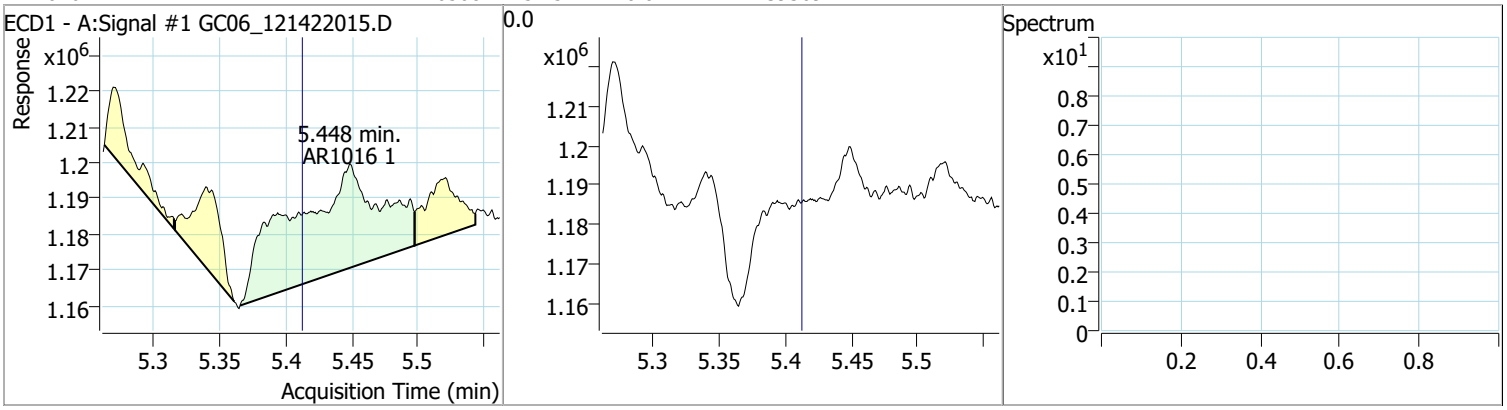
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.743	0.0	16916.568	0.0000	ng/ml	100
T AR1016 1 #2	5.999	0.0	878338.064	170.8344	ng/ml	100
T AR1016 3	6.208	0.0	109264.674	39.4720	ng/ml	100
T AR1016 4	6.358	0.0	676.072	0.3211	ng/ml	100
T AR1016 2 #2	6.399	0.0	91627.823	12.3455	ng/ml	100
T AR1016 5	6.596	0.0	29748.561	17.5428	ng/ml	100
T AR1016 3 #2	6.950	0.0	393858.066	29.2056	ng/ml	100
T AR1016 4 #2	7.153	0.0	2787.069	0.2895	ng/ml	100
T AR1016 5 #2	7.311	0.0	8263.316	1.0559	ng/ml	100
T AR1260 1	8.779	0.0	157056.739	44.6071	ng/ml	100
T AR1260 2	9.250	0.0	460.235	0.0858	ng/ml	100
T AR1260 3	9.744	0.0	16318.404	2.9093	ng/ml	100
T AR1260 1 #2	10.075	0.0	196077.630	13.3187	ng/ml	100
T AR1260 4	10.146	0.0	147369.541	34.3030	ng/ml	100
T AR1260 2 #2	10.271	0.0	92505.099	5.2296	ng/ml	100
T AR1260 3 #2	10.618	0.0	87659.450	3.9151	ng/ml	100
T AR1260 5	10.888	0.0	189749.551	12.2875	ng/ml	100
T AR1260 4 #2	11.084	0.0	32603.293	0.0000	ng/ml	100
T AR1260 5 #2	11.369	0.0	959009.622	32.8815	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

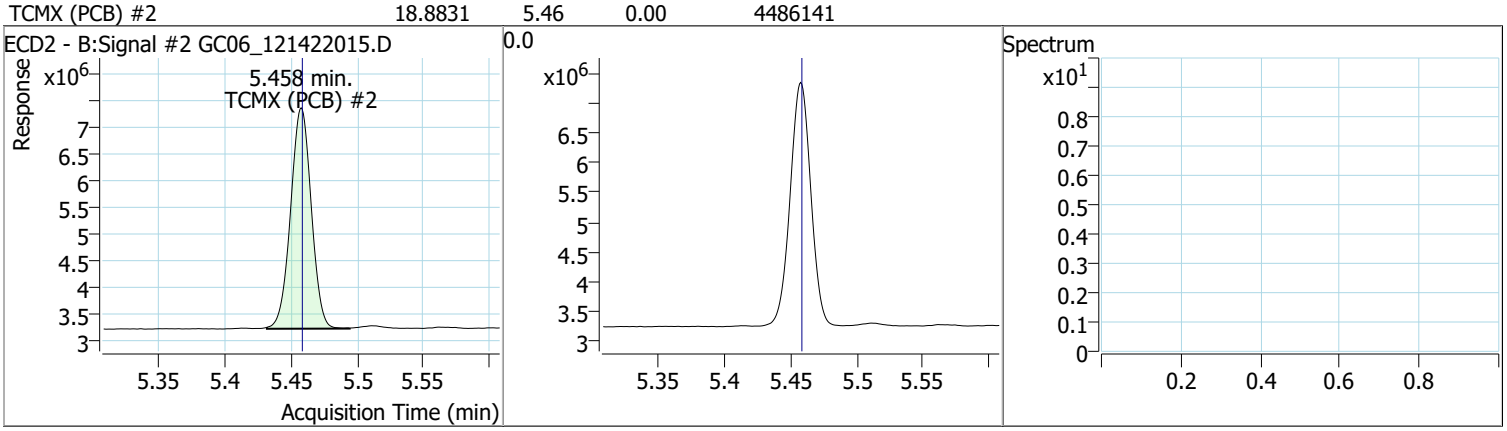
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	19.0123	5.06	0.00	951894				



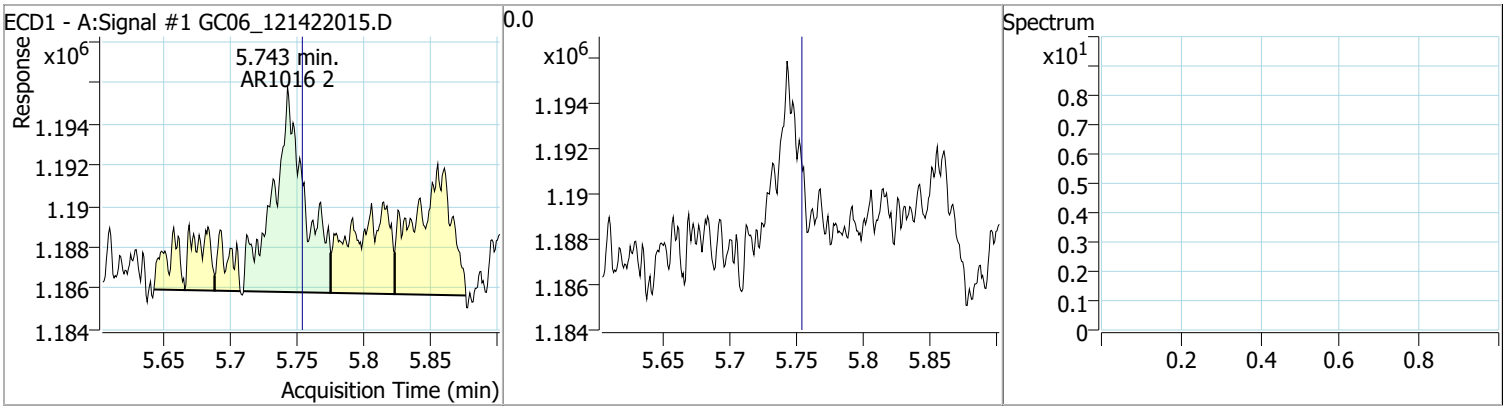
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	127.6508	5.45	0.04	139369				



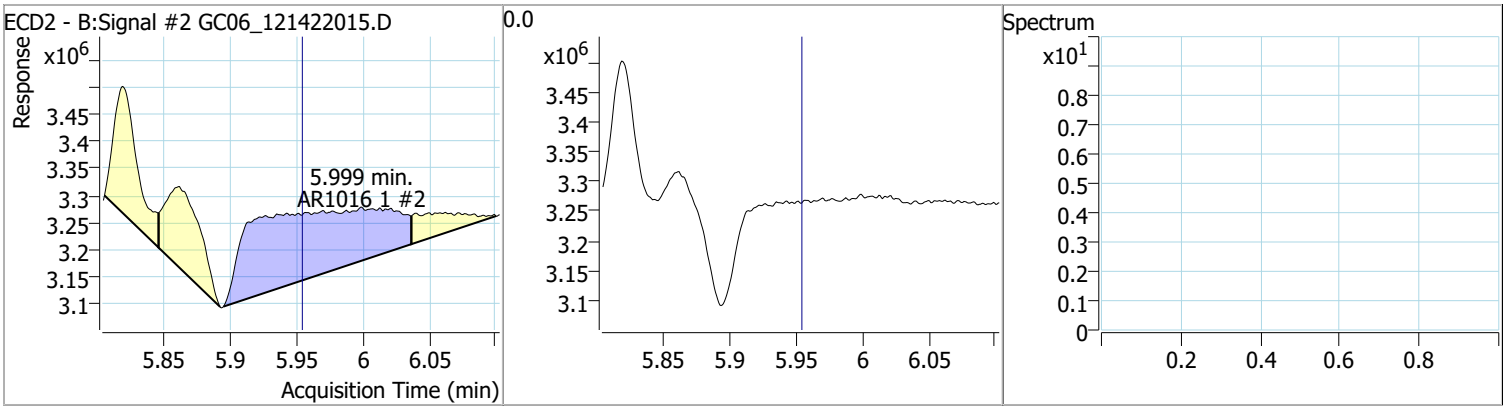
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	18.8831	5.46	0.00	4486141				



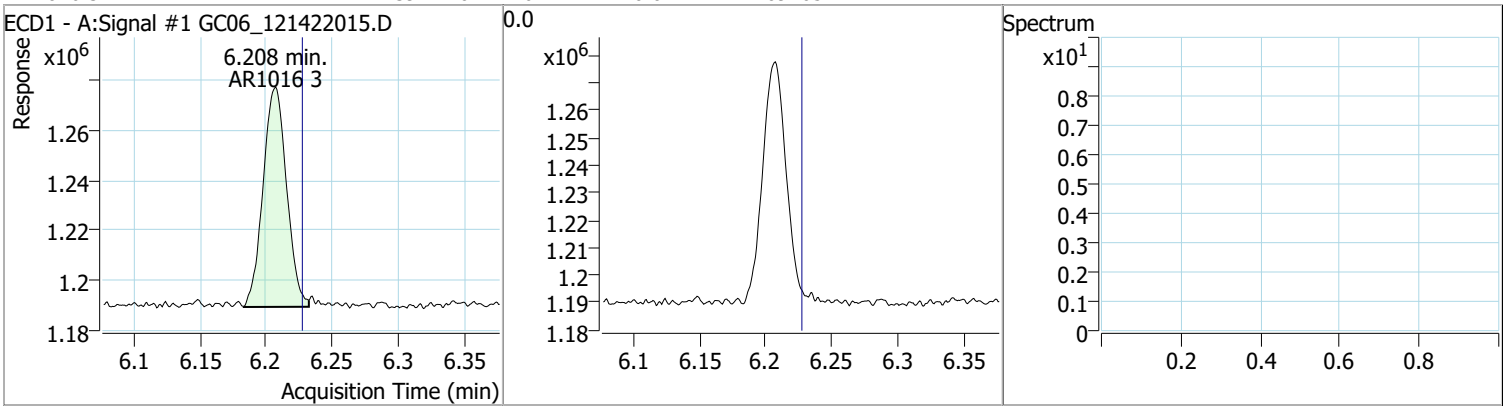
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.74	-0.01	16917				



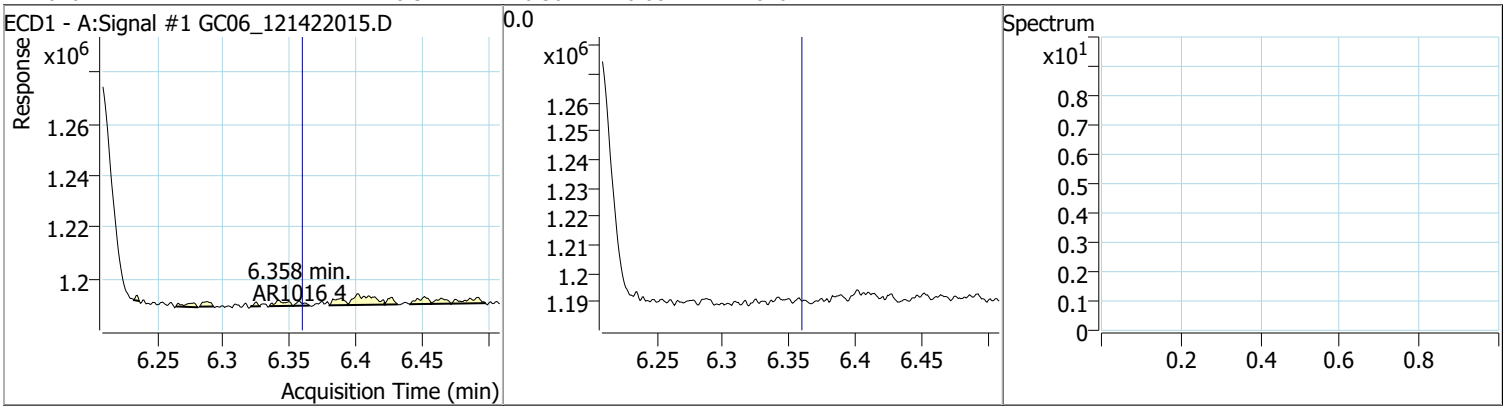
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	170.8344	6.00	0.05	878338				



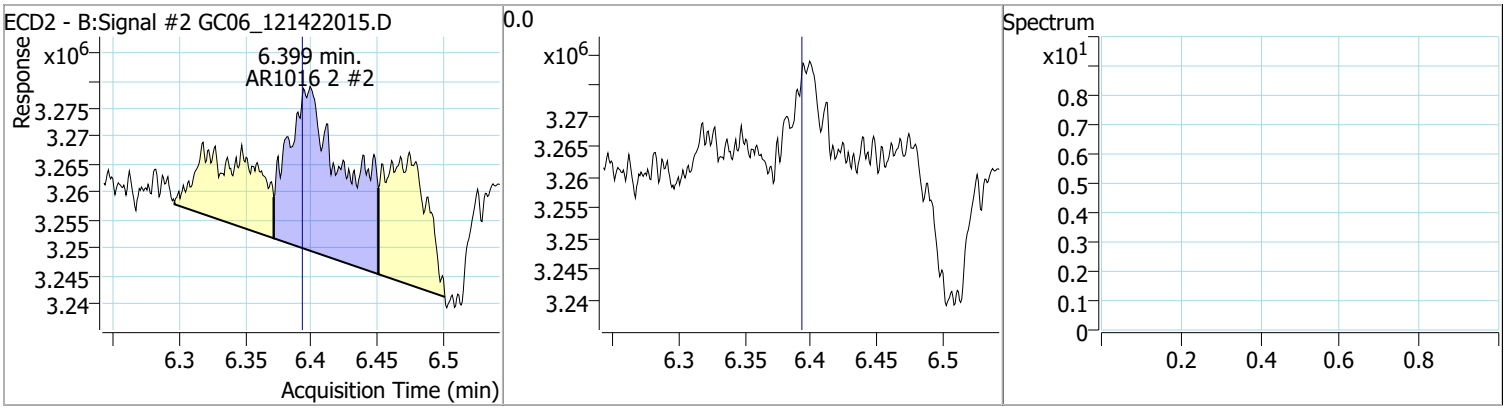
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	39.4720	6.21	-0.02	109265				



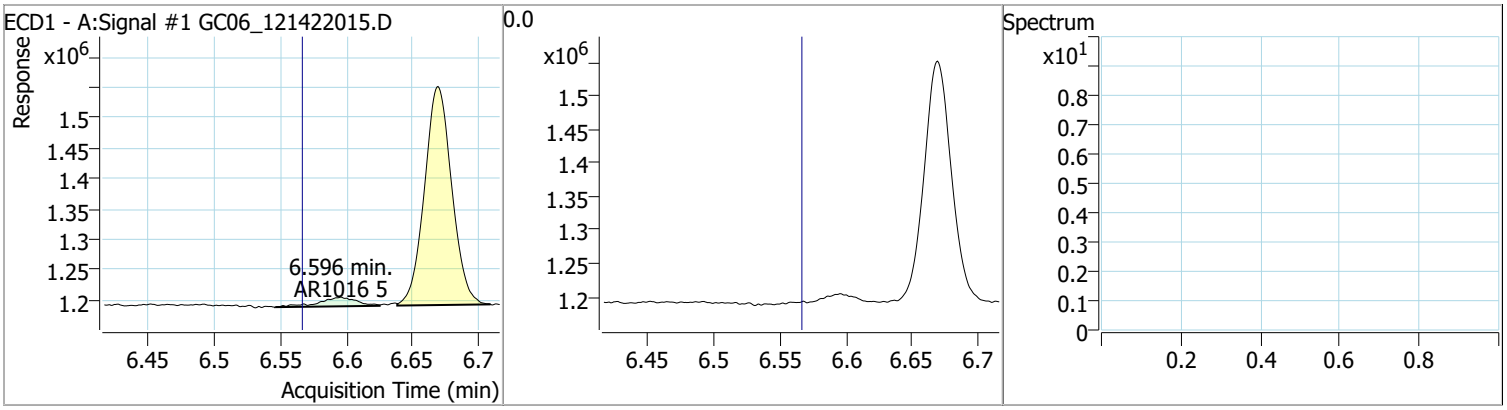
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.3211	6.36	0.00	676				



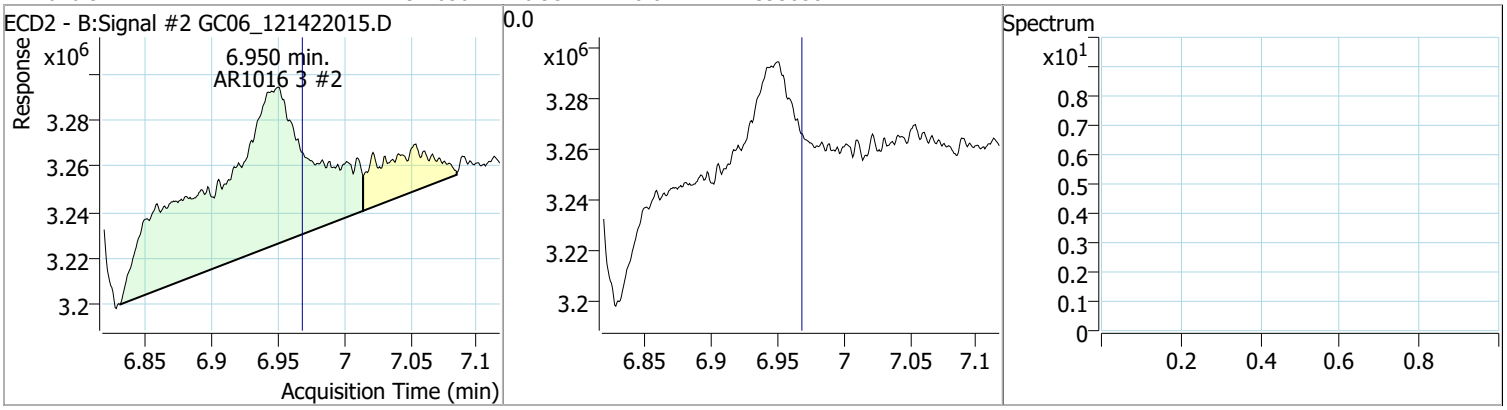
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	12.3455	6.40	0.01	91628				



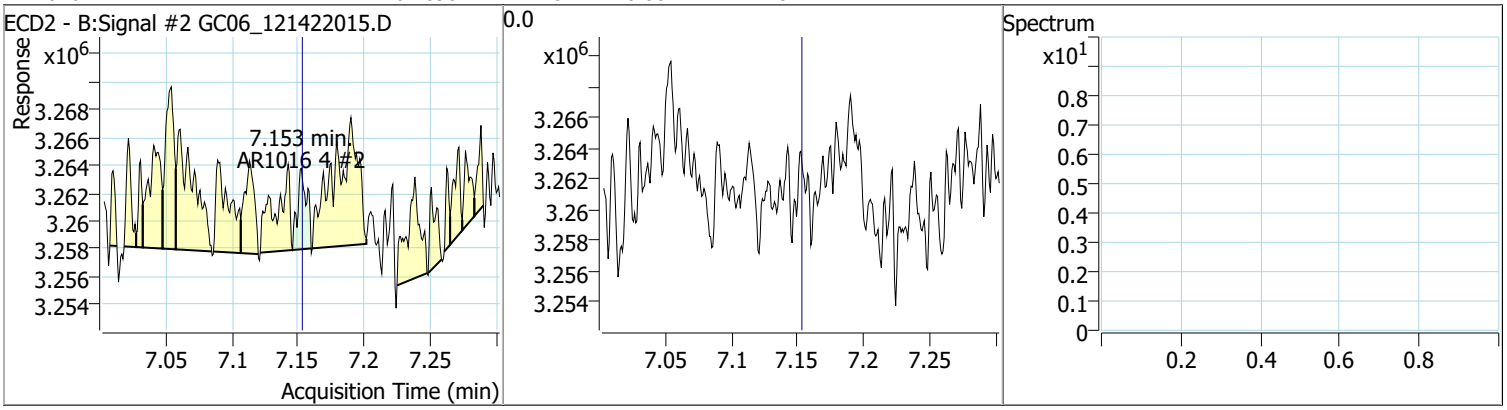
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	17.5428	6.60	0.03	29749				



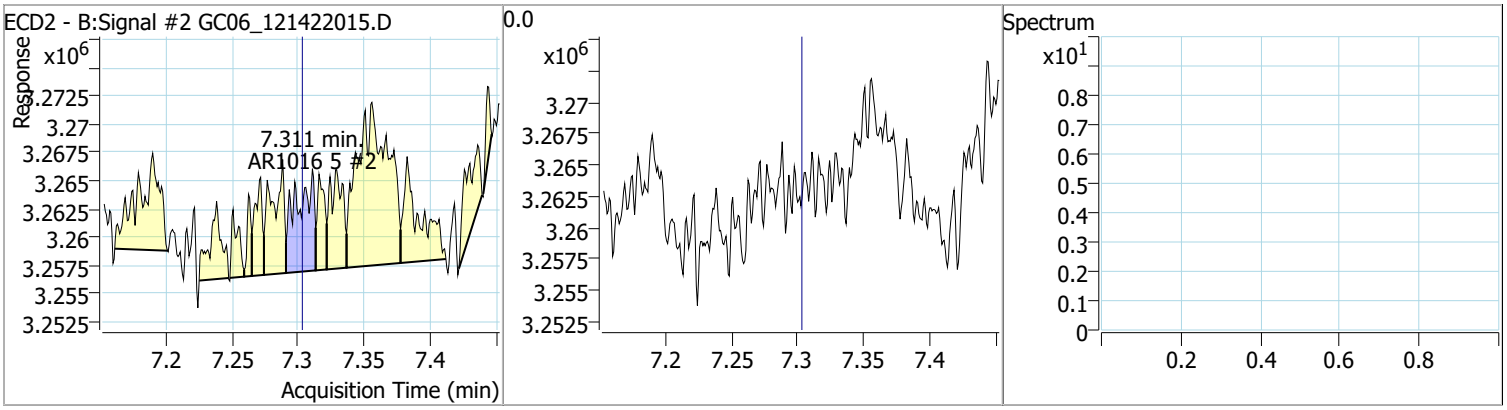
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	29.2056	6.95	-0.02	393858				



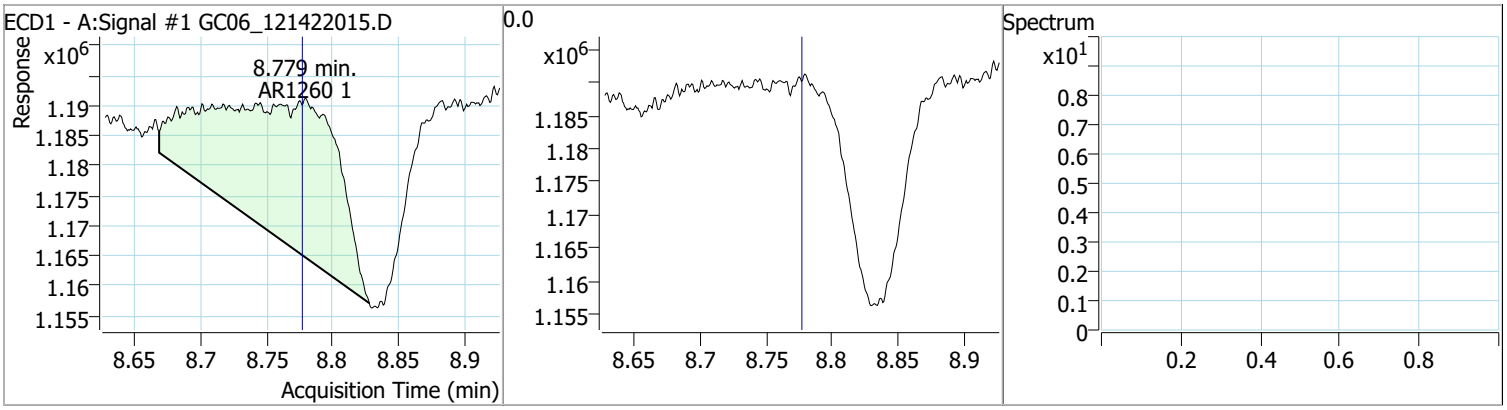
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.2895	7.15	0.00	2787				



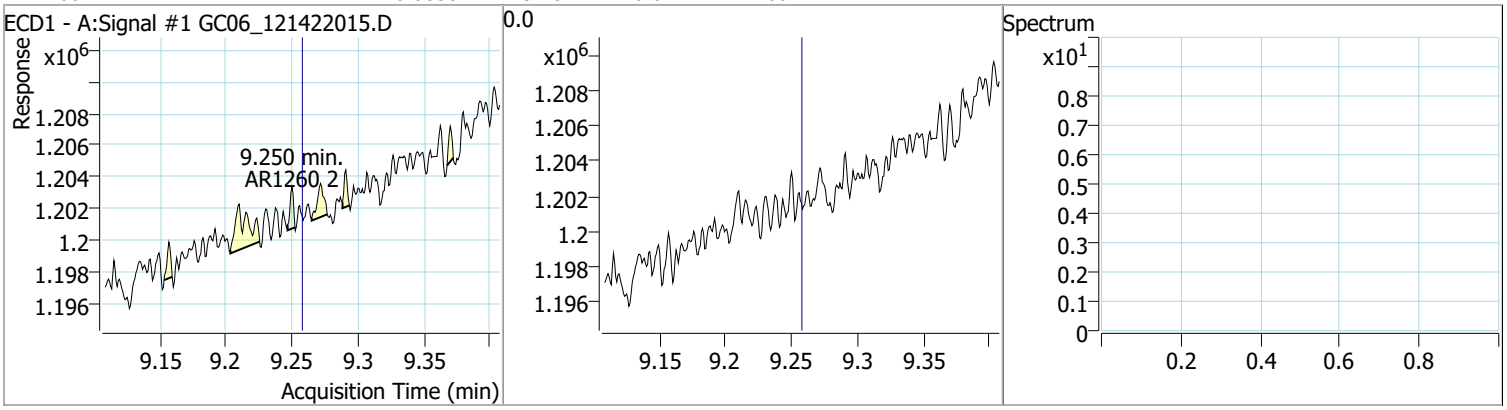
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.0559	7.31	0.01	8263				



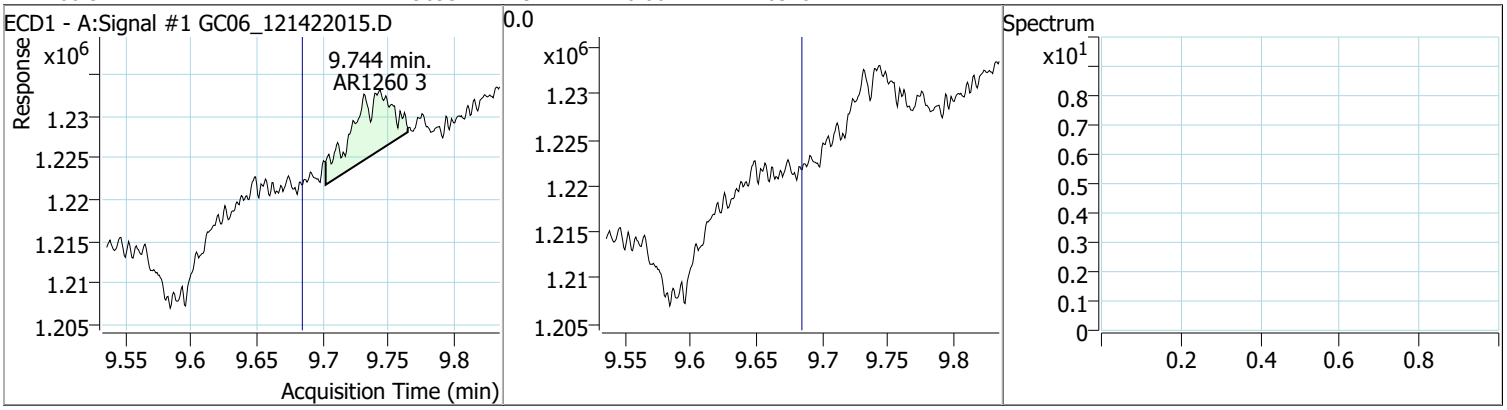
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	44.6071	8.78	0.00	157057				



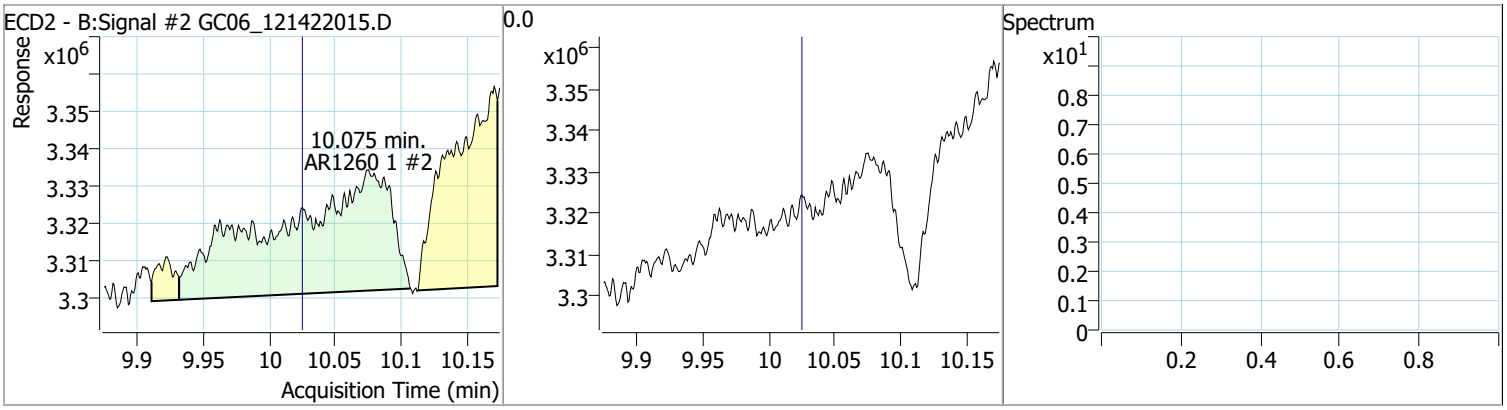
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.0858	9.25	-0.01	460				



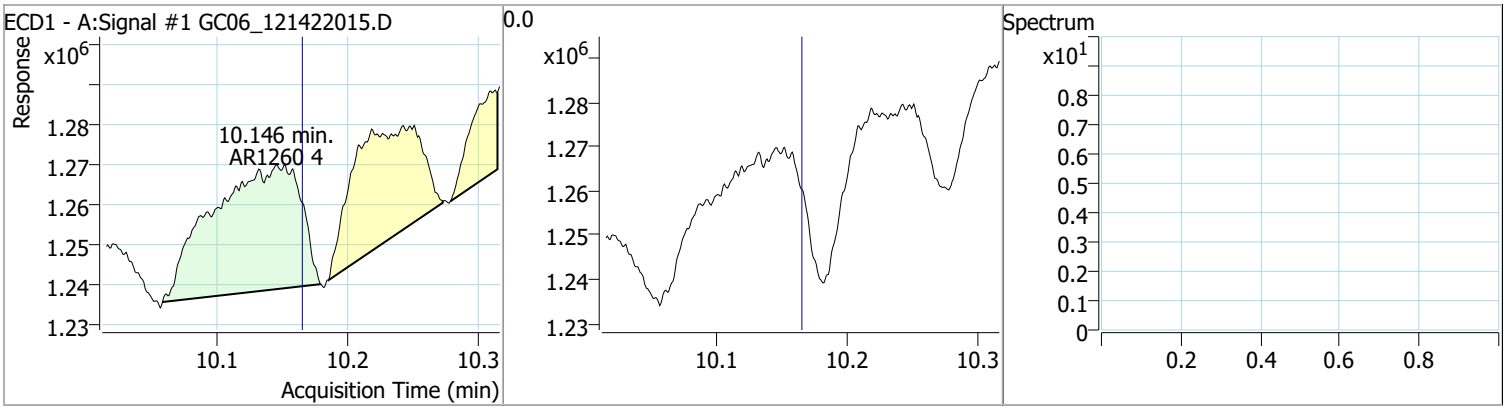
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	2.9093	9.74	0.06	16318				



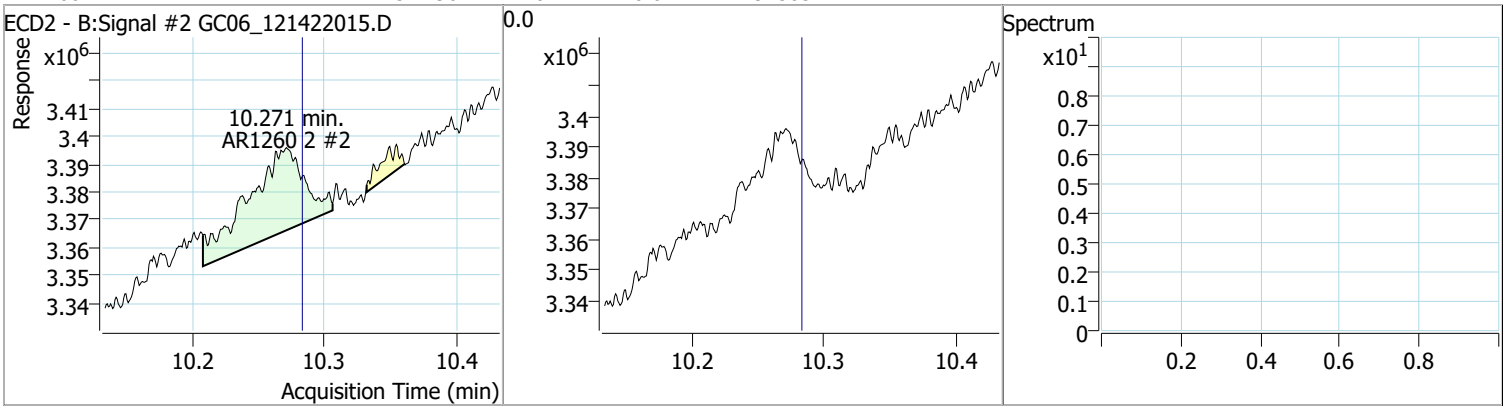
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	13.3187	10.08	0.05	196078				



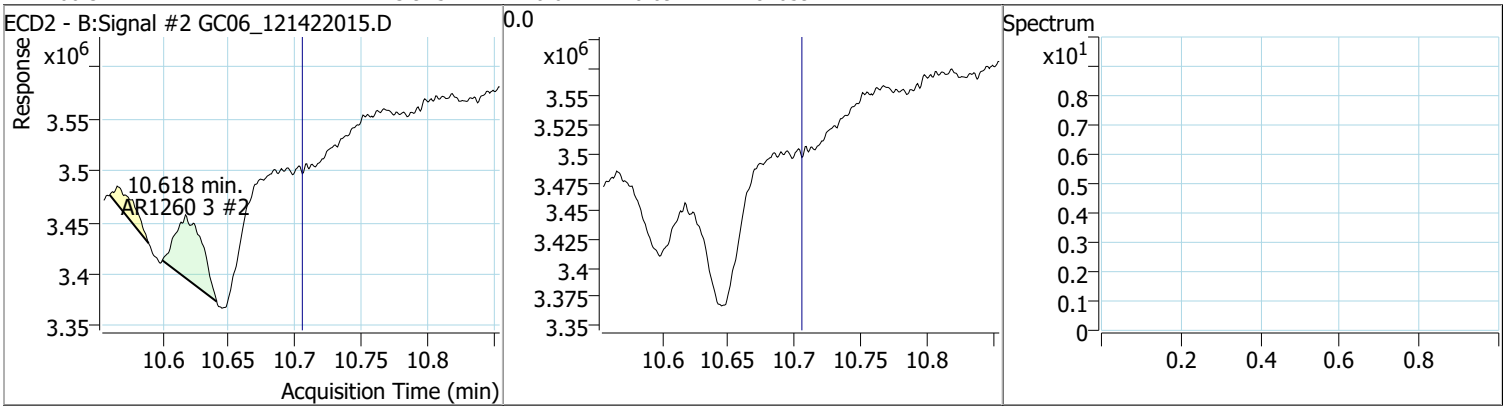
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	34.3030	10.15	-0.02	147370				



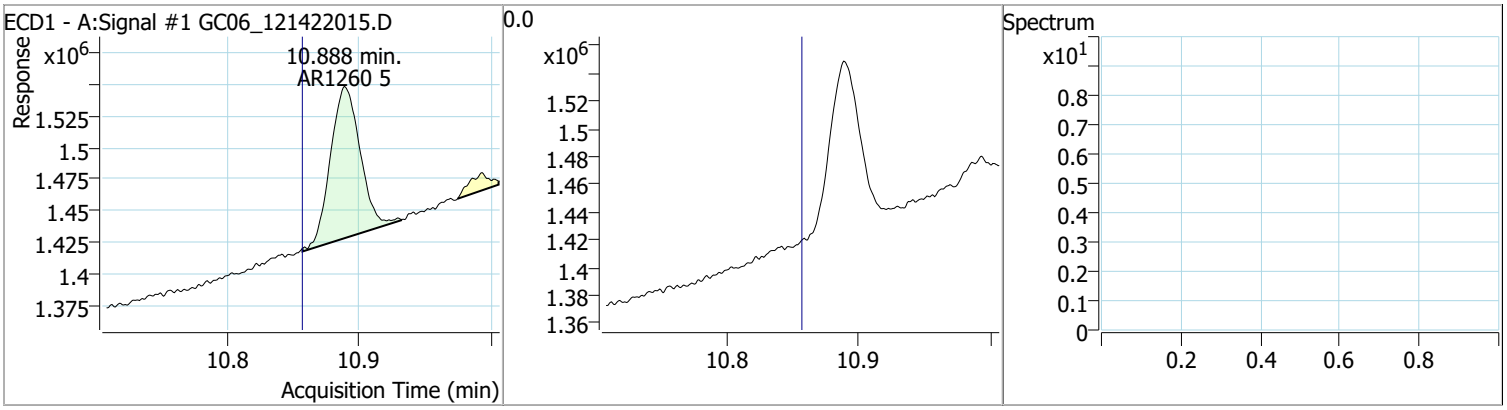
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	5.2296	10.27	-0.01	92505				



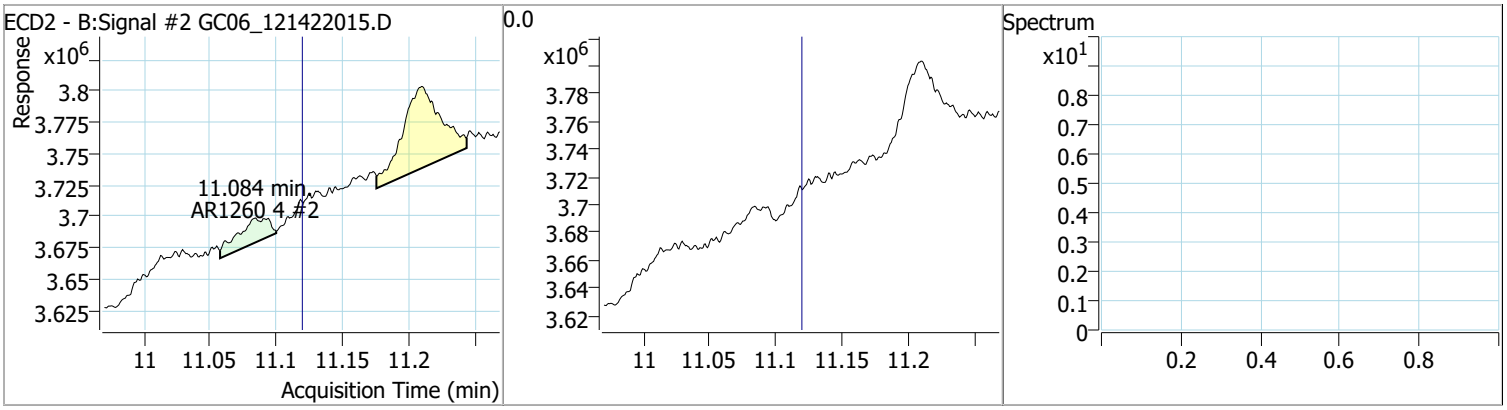
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	3.9151	10.62	-0.09	87659				



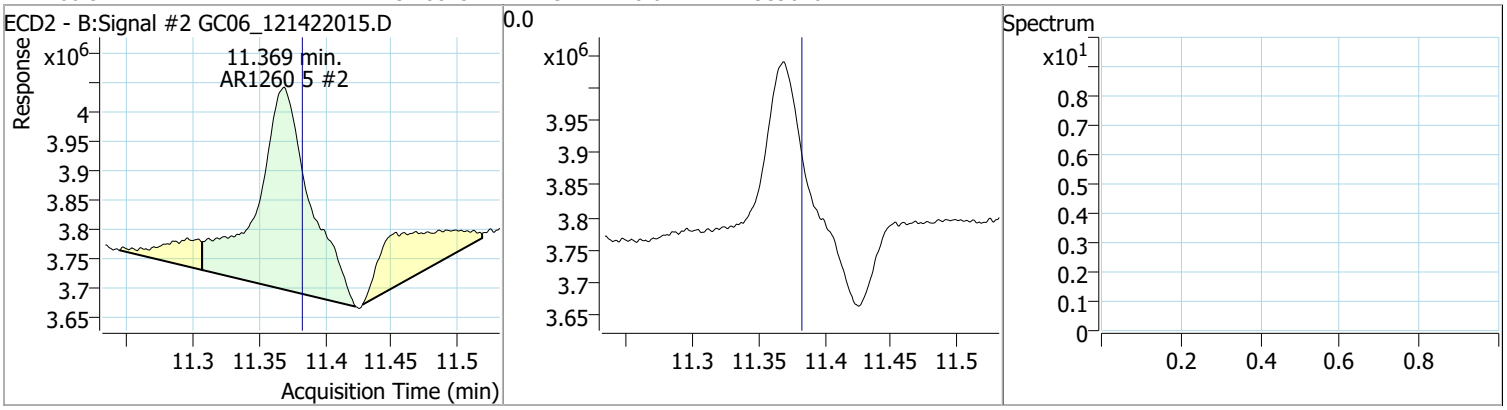
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	12.2875	10.89	0.03	189750				



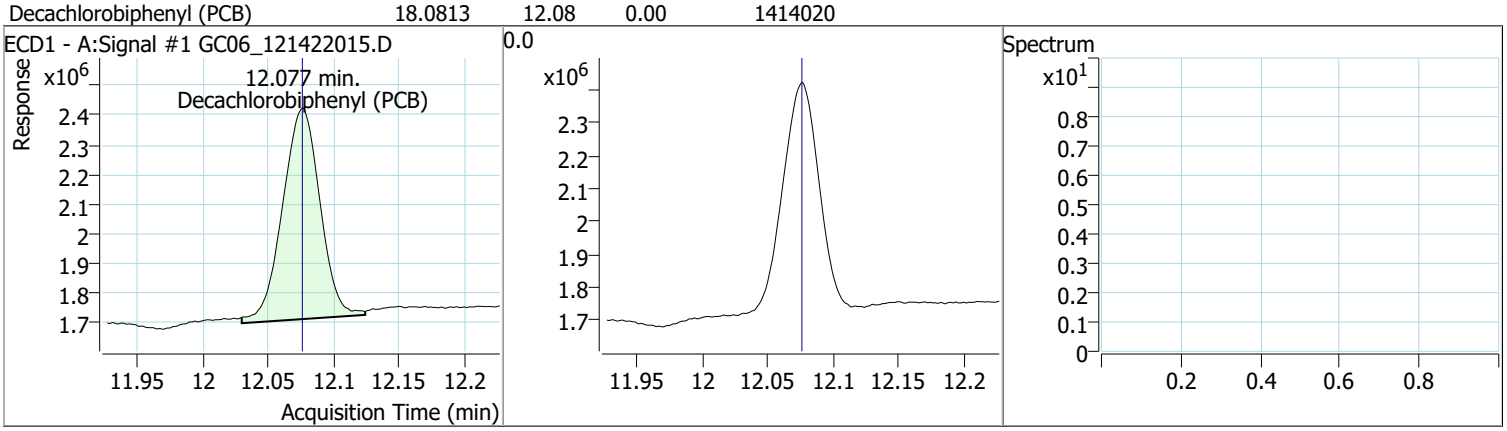
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.08	-0.04	32603				



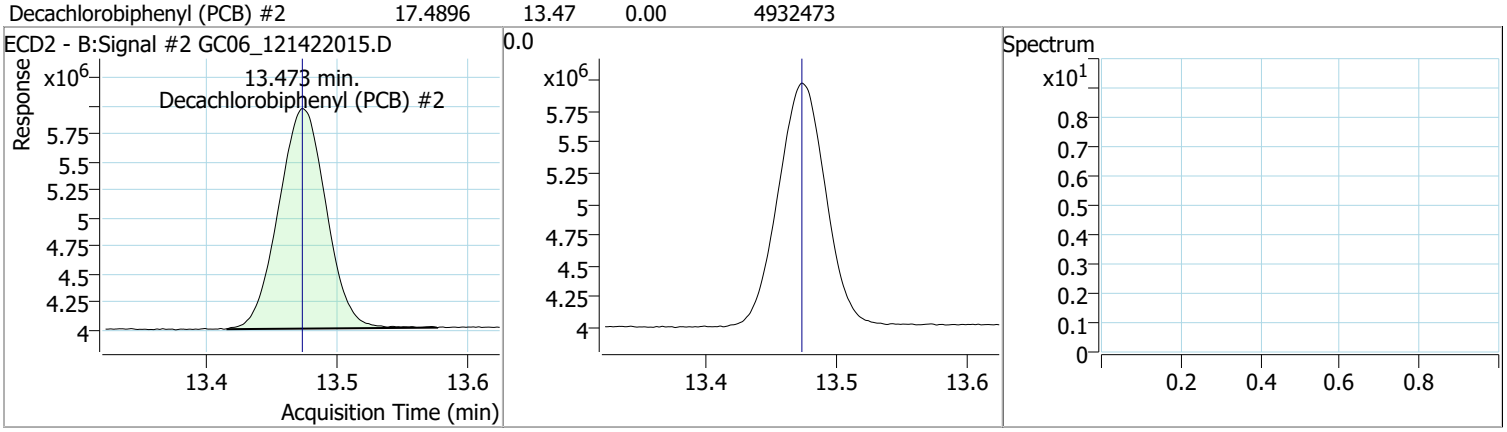
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	32.8815	11.37	-0.01	959010				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	18.0813	12.08	0.00	1414020				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	17.4896	13.47	0.00	4932473				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474711-003	Client ID:	20221209-2C-02
Seqnum:	452501809045	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422045	Batch:	303182	Time:	15-DEC-2022 01:31
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	125.3	~~1.3~~ ~~FP~~	2.0	44%	0.50		x u
Aroclor-1016 Peak # 1	B	399.3	3.99	2.53	45%			
Aroclor-1016 Peak # 2	B	137.4	1.37	0.04	189%			
Aroclor-1016 Peak # 3	B	1.446	0.01	0.55	190%			
Aroclor-1016 Peak # 4	B	0.9714	0.01	0.01	39%			
Aroclor-1016 Peak # 5	B	87.64	0.88	6.64	153%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	39.04	ND	0.40	3%	0.50		u
Aroclor-1260 Peak # 1	B	79.65	0.80	0.97	19%			
Aroclor-1260 Peak # 2	B	66.17	0.66	ND				
Aroclor-1260 Peak # 3	B	7.897	0.08	0.14	55%			
Aroclor-1260 Peak # 4	B	-20.70	ND	0.76	350%			
Aroclor-1260 Peak # 5	B	62.15	0.62	0.15	121%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	29.50	0.5000	0.2950	59	19-121	u
Decachlorobiphenyl (PCB)	B	27.53	0.5000	0.2753	55	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422036)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5560467	5701105	2.53
1-bromo-2-nitrobenzene (PCB)	A	1170615	1225491	4.69

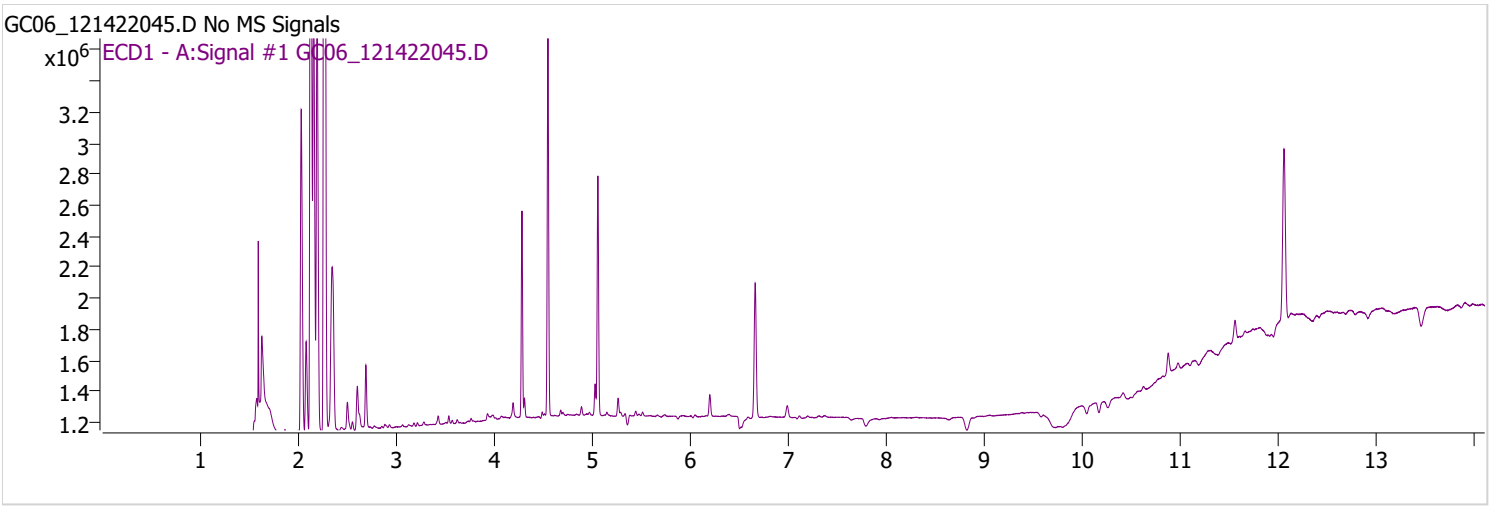
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

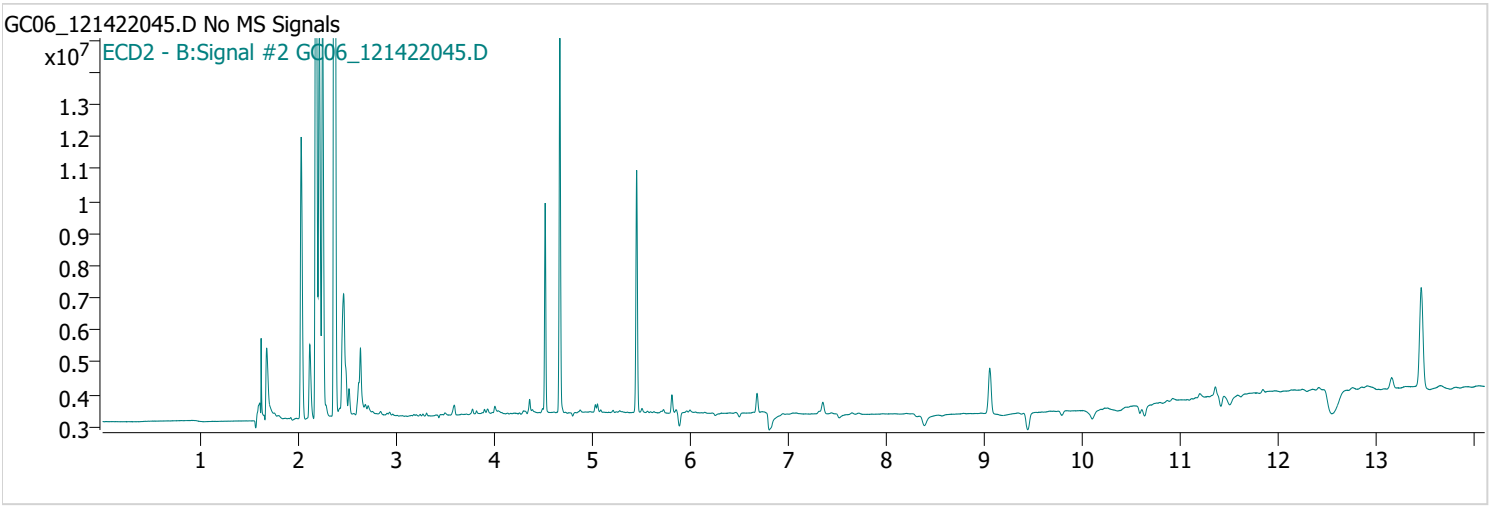
ISTD (CCV gc06_121422036)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

Analyst: MES 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422045.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 1:31:30 AM
Sample Name	474711-003, 303182, 1	Instrument	SVOA-GC06
Vial	28	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



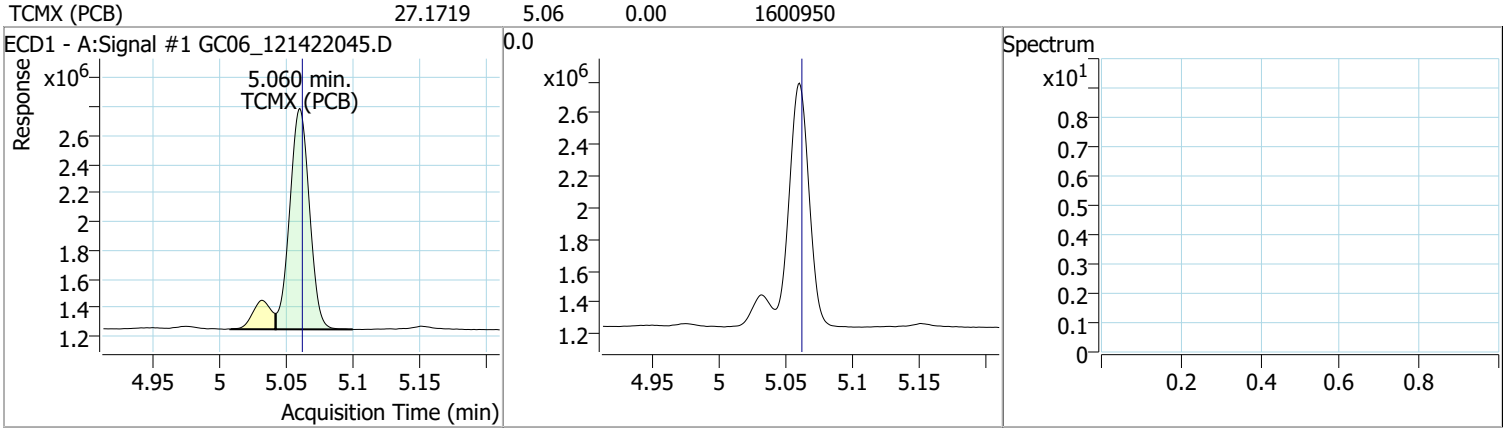


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	1225491.244	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	5701105.042	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.060	0.0	1600949.615	27.1719	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 135.86%		
S TCMX (PCB) #2	5.456	0.0	8077463.989	29.5021	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 147.51%		
S Decachlorobiphenyl (PCB)	12.068	0.0	2330877.069	27.0592	ng/ml	-0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 135.30%		
S Decachlorobiphenyl (PCB) #2	13.470	0.0	8595730.991	27.5293	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 137.65%		
Target Compounds						QValue

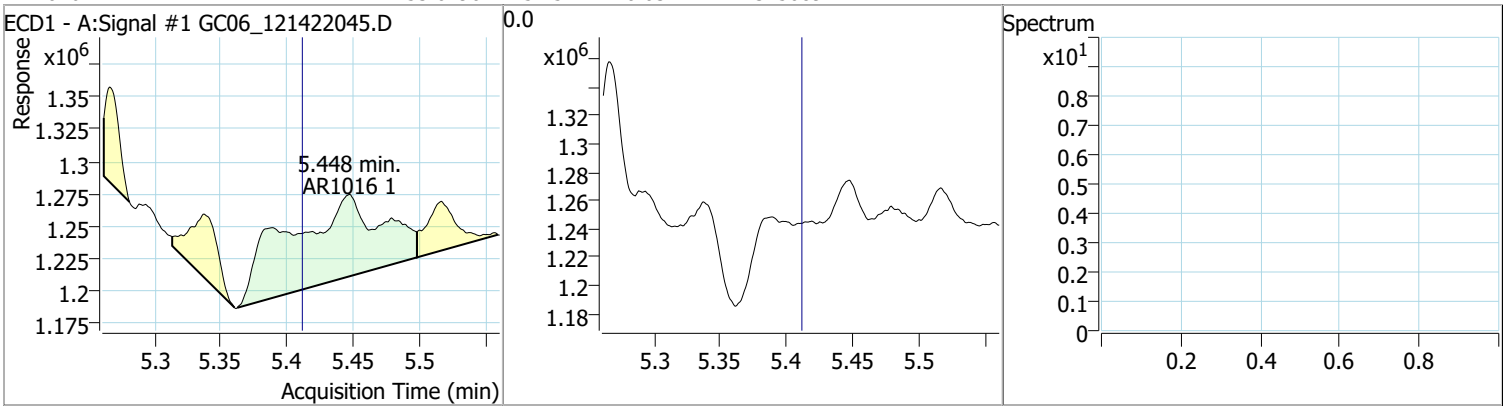
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.448	0.0	325088.797	253.0190	ng/ml	100
T AR1016 2	5.743	0.0	49563.218	4.0110	ng/ml	100
T AR1016 1 #2	6.002	0.0	2365702.458	399.2557	ng/ml	100
T AR1016 3	6.203	0.0	179895.667	55.2236	ng/ml	100
T AR1016 4	6.330	0.0	3556.023	1.4353	ng/ml	100
T AR1016 2 #2	6.469	0.0	1174865.326	137.3563	ng/ml	100
T AR1016 5	6.667	0.0	1324259.599	663.5911	ng/ml	100
T AR1016 3 #2	6.953	0.0	22474.571	1.4461	ng/ml	100
T AR1016 4 #2	7.175	0.0	10778.262	0.9714	ng/ml	100
T AR1016 5 #2	7.358	0.0	790437.940	87.6438	ng/ml	100
T AR1260 1	8.764	0.0	400082.704	96.5588	ng/ml	100
T AR1260 2	0.000		0	N.D.		
T AR1260 3	9.608	0.0	91636.665	13.8825	ng/ml	100
T AR1260 1 #2	10.011	0.0	1351438.735	79.6537	ng/ml	100
T AR1260 4	10.148	0.0	319025.456	76.0652	ng/ml	100
T AR1260 2 #2	10.263	0.0	1349017.988	66.1753	ng/ml	100
T AR1260 3 #2	10.617	0.0	203775.332	7.8972	ng/ml	100
T AR1260 5	10.885	0.0	245627.285	15.3260	ng/ml	100
T AR1260 4 #2	11.129	0.0	41874.294	0.0000	ng/ml	100
T AR1260 5 #2	11.367	0.0	1733008.716	62.1578	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

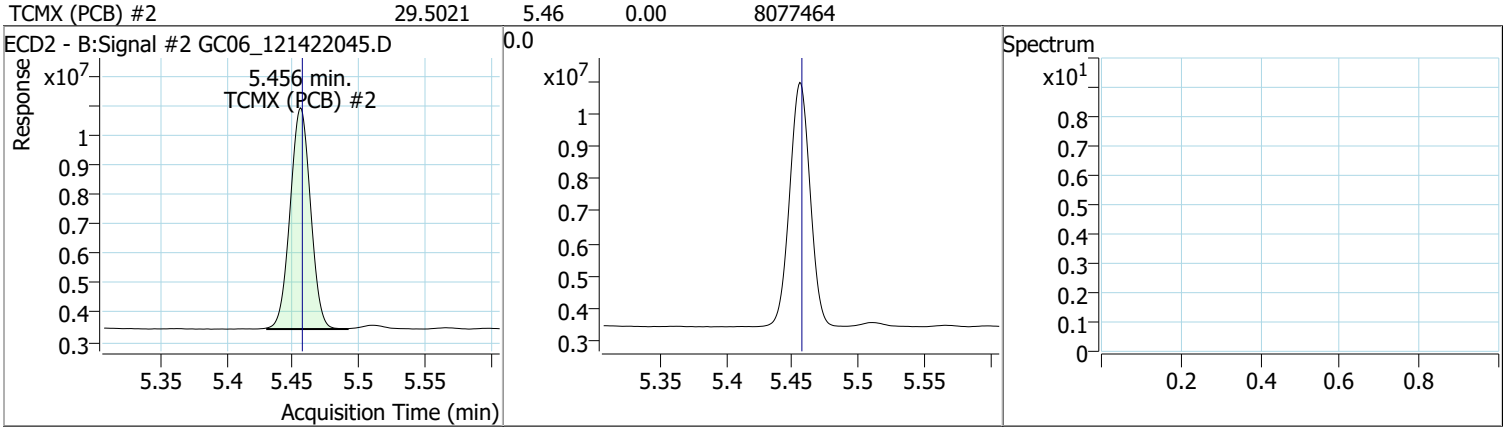
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	27.1719	5.06	0.00	1600950				



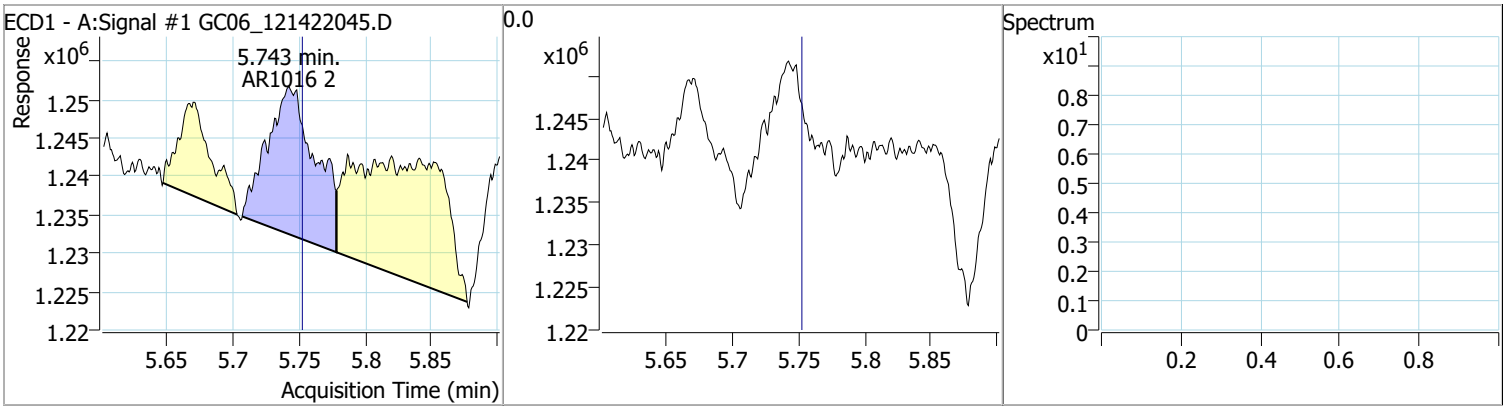
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	253.0190	5.45	0.03	325089				



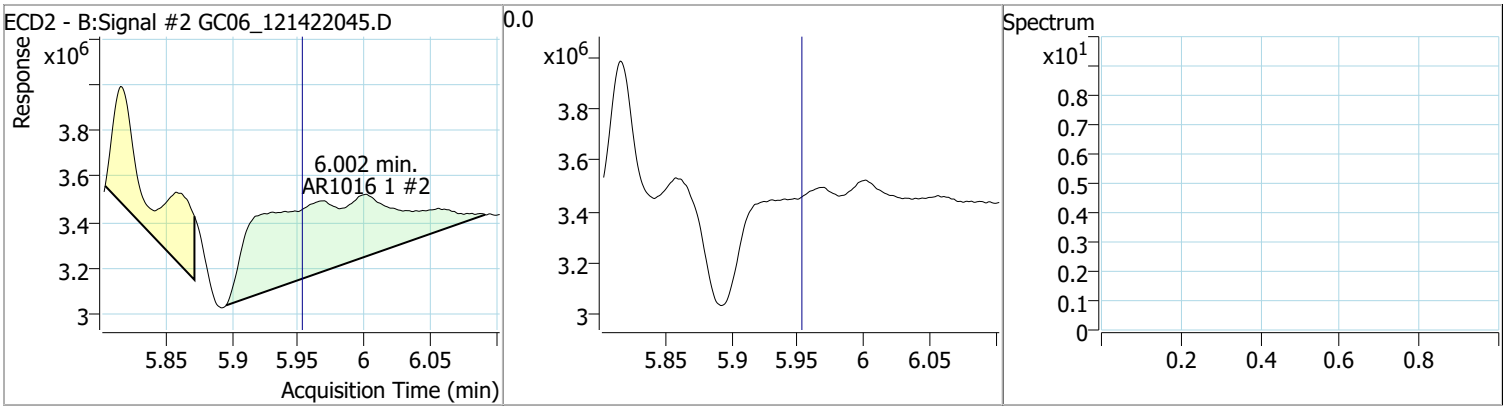
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	29.5021	5.46	0.00	8077464				



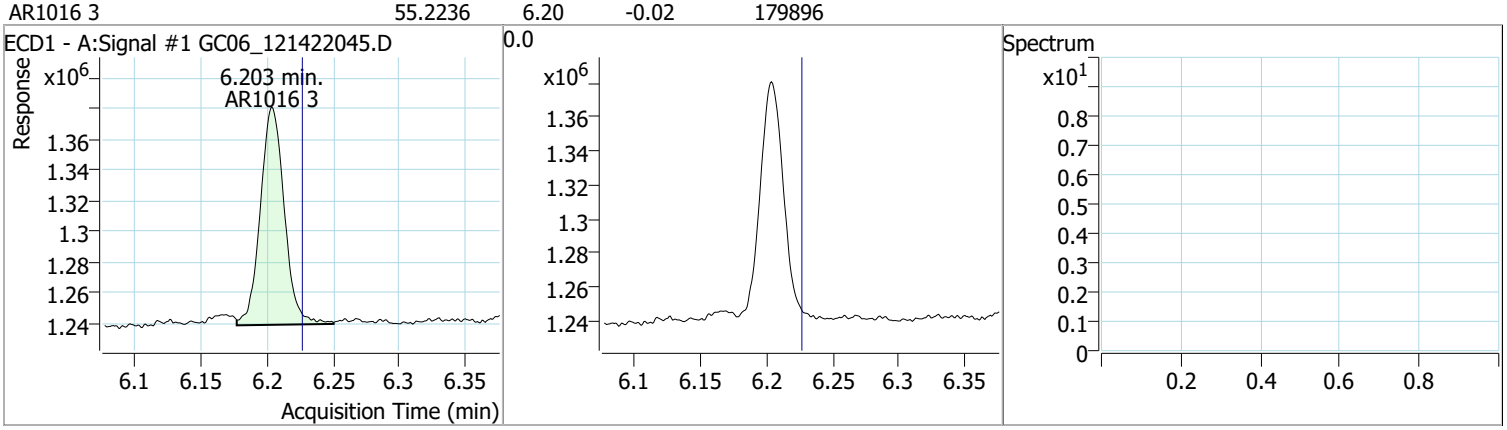
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	4.0110	5.74	-0.01	49563				



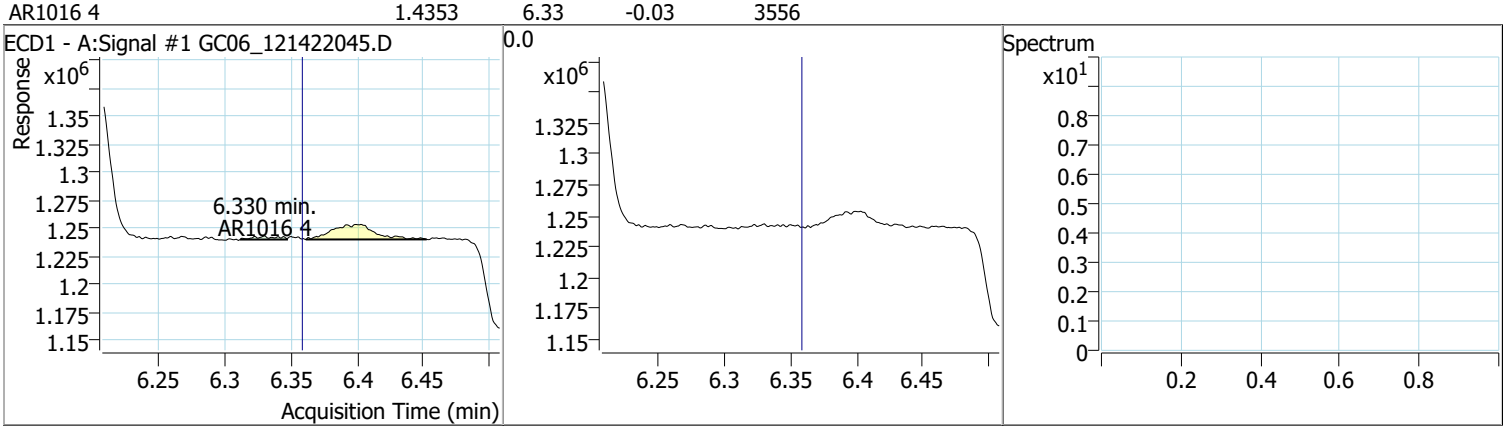
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	399.2557	6.00	0.05	2365702				



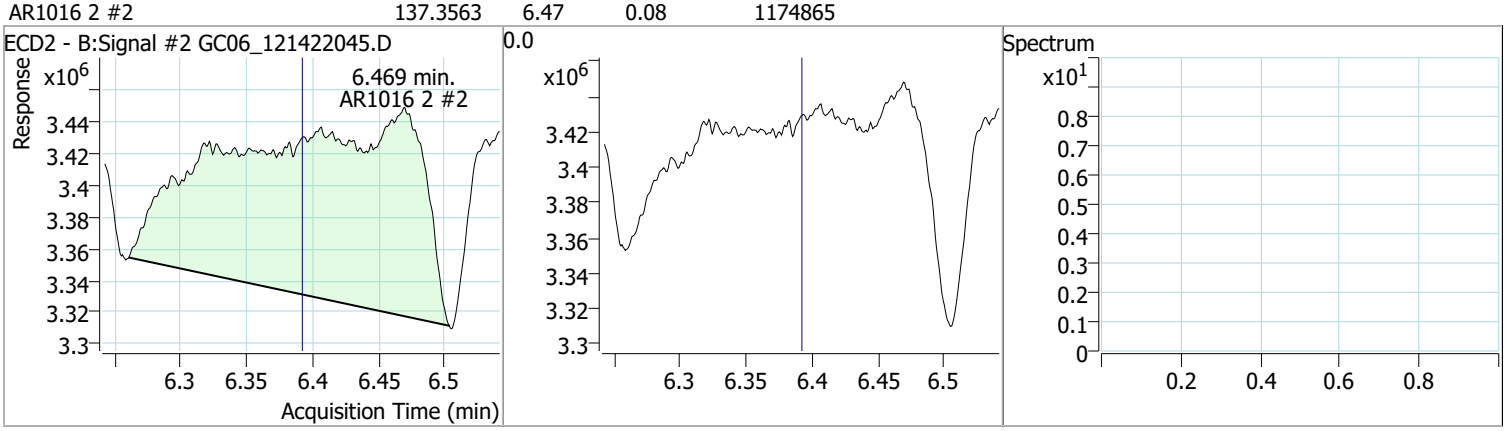
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	55.2236	6.20	-0.02	179896				



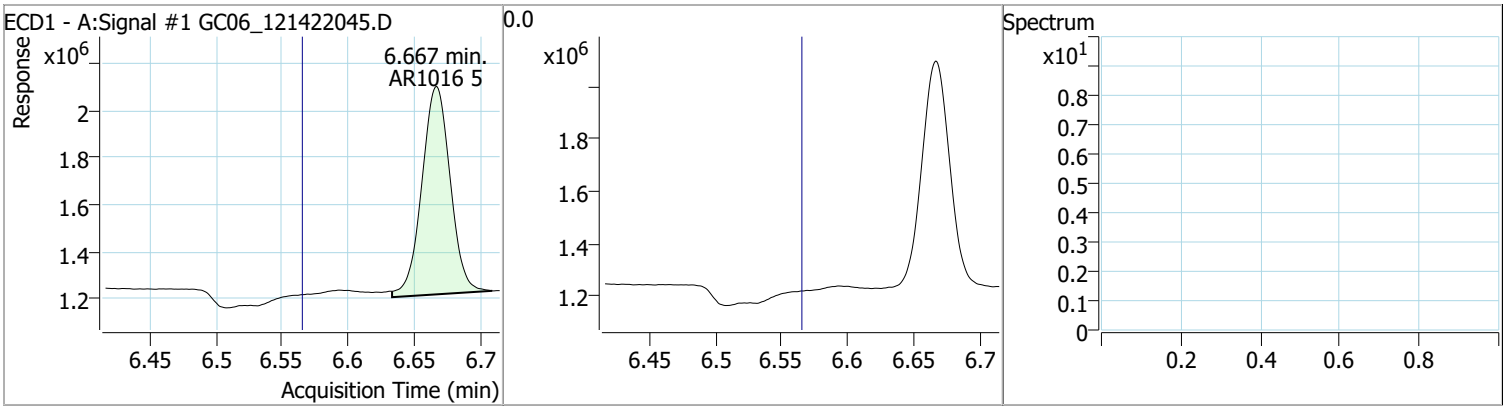
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1.4353	6.33	-0.03	3556				



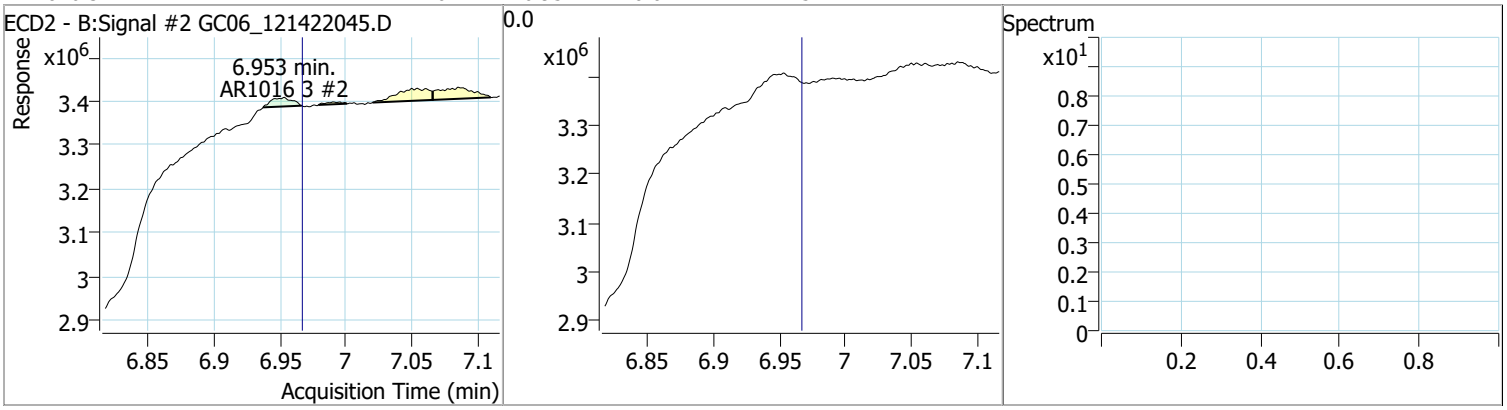
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	137.3563	6.47	0.08	1174865				



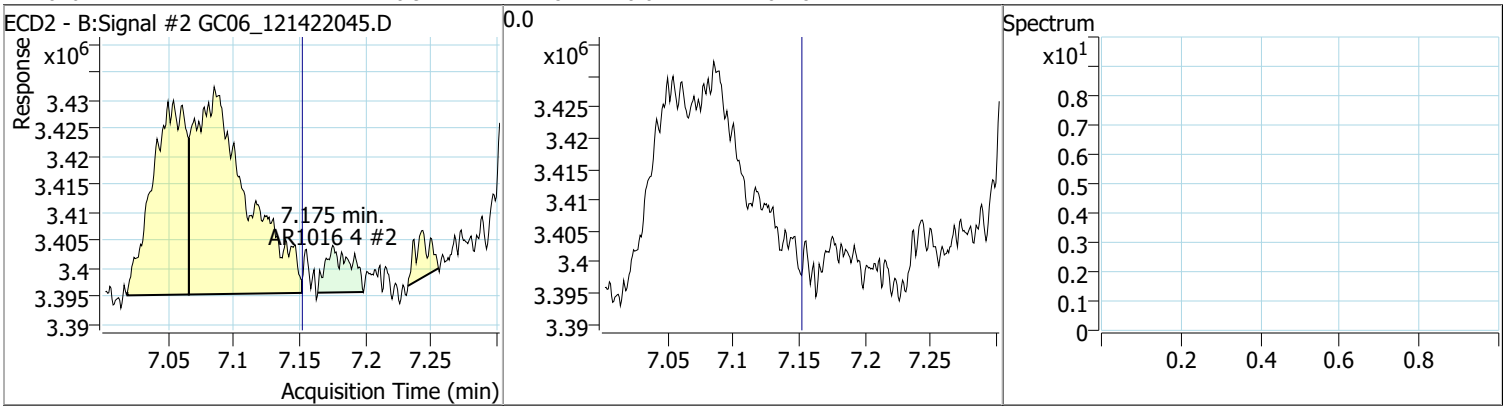
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	663.5911	6.67	0.10	1324260				



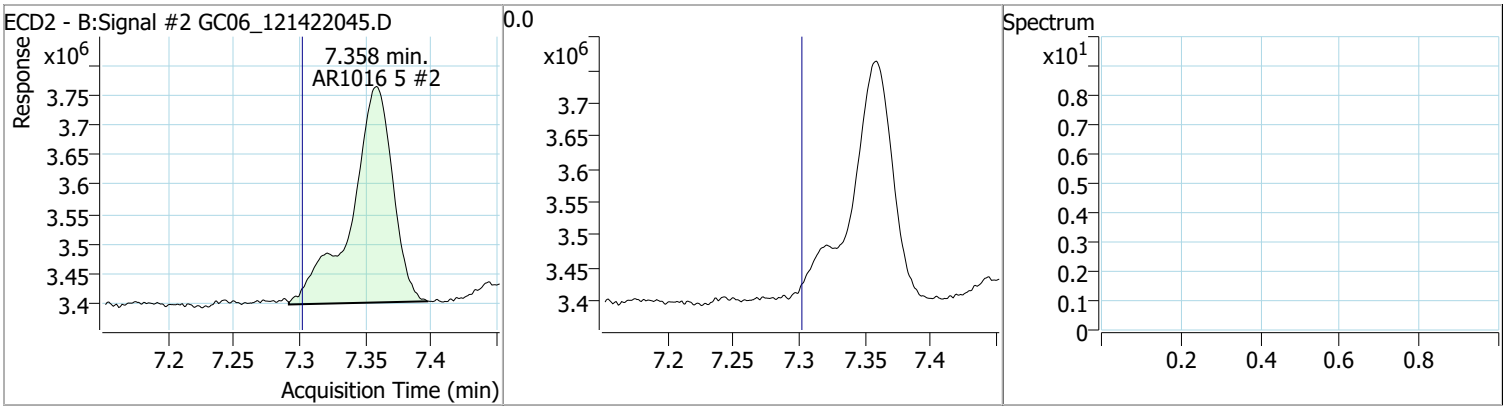
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1.4461	6.95	-0.01	22475				



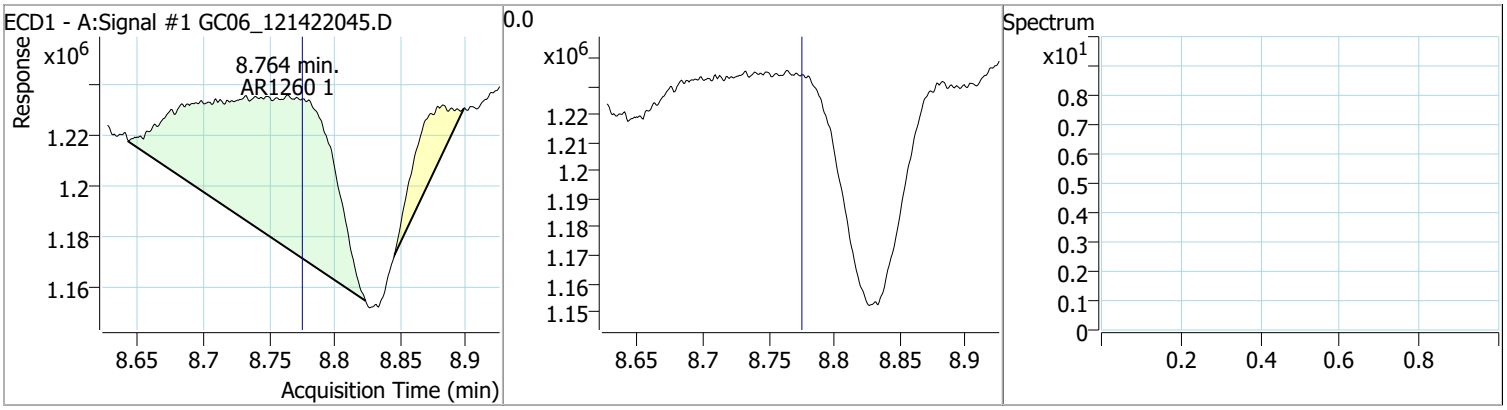
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.9714	7.18	0.02	10778				



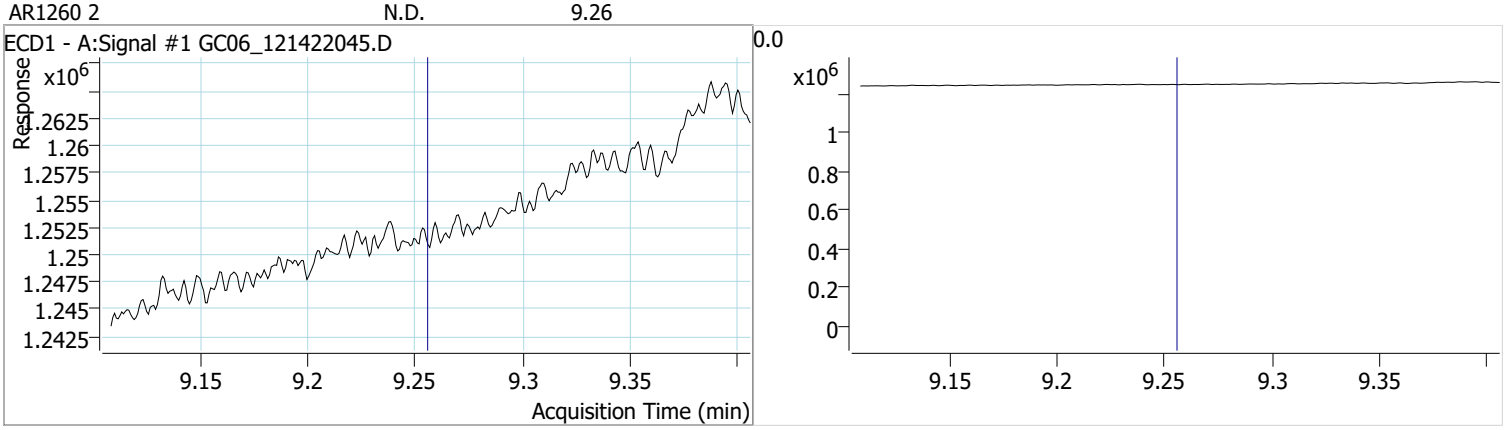
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	87.6438	7.36	0.06	790438				



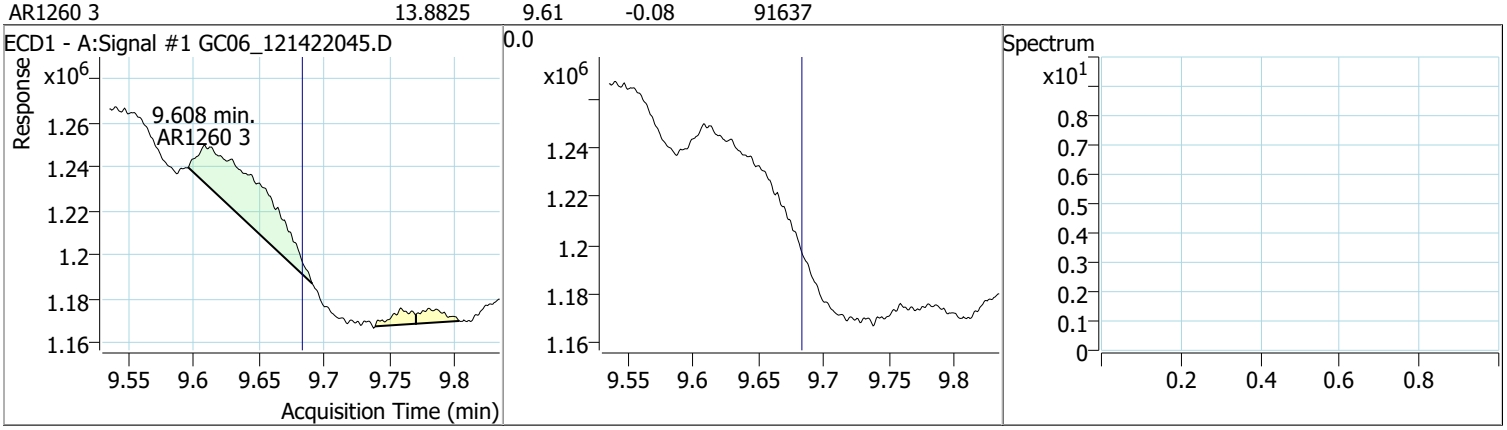
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	96.5588	8.76	-0.01	400083				



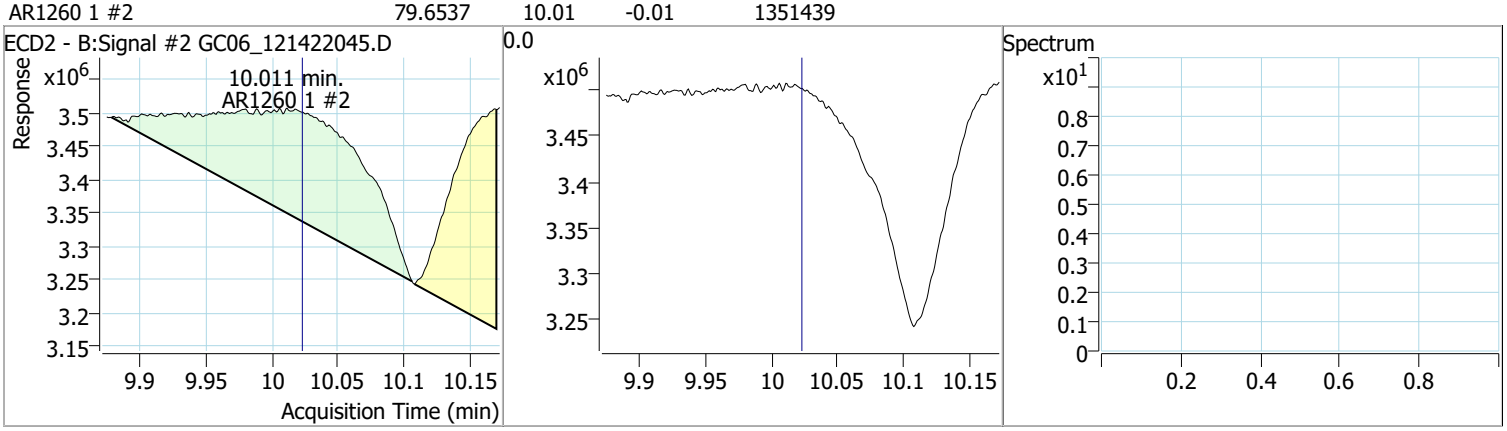
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 2	N.D.	9.26		



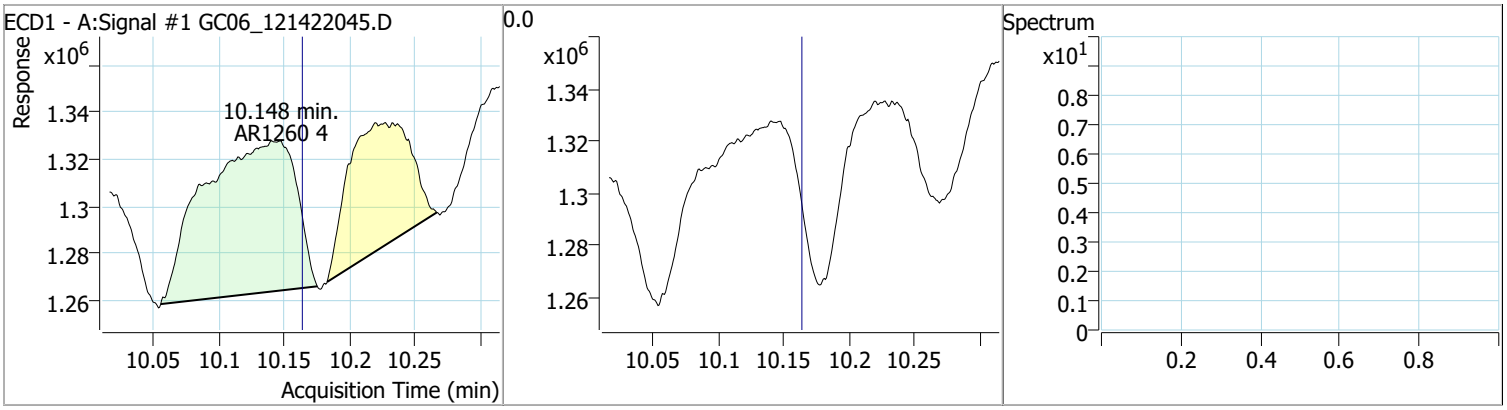
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	13.8825	9.61	-0.08	91637				



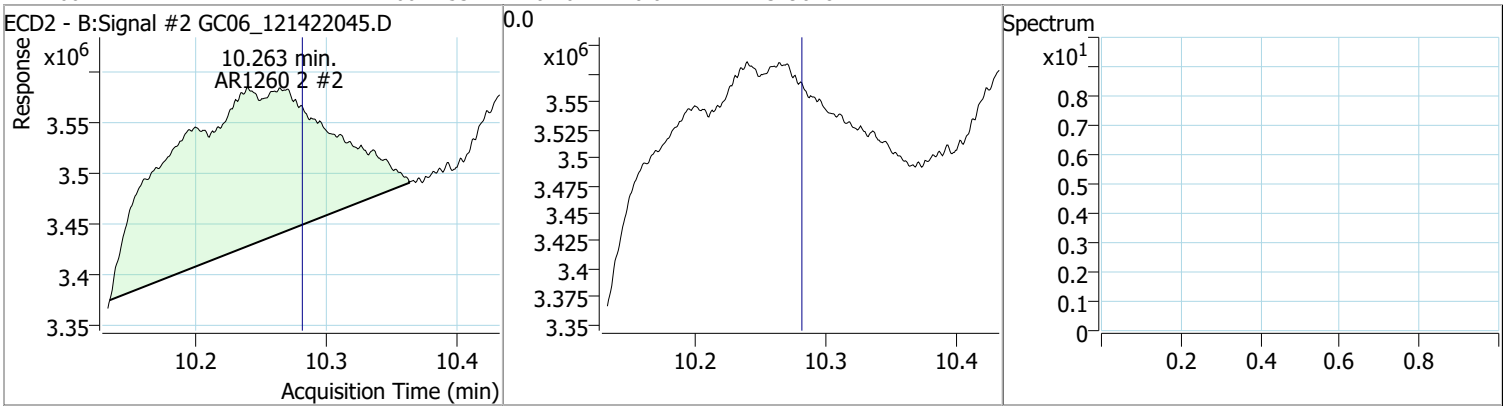
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	79.6537	10.01	-0.01	1351439				



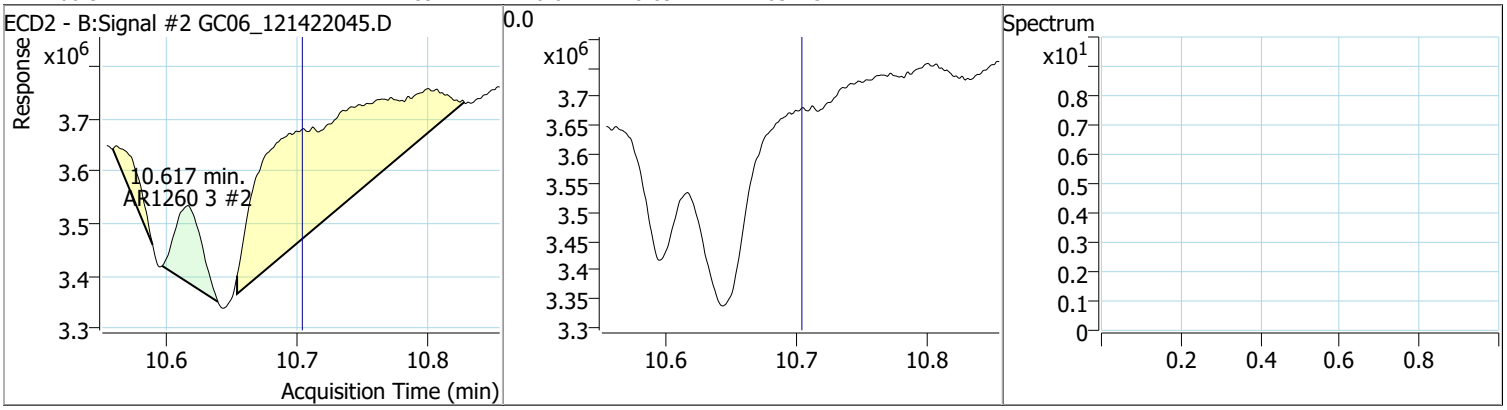
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	76.0652	10.15	-0.02	319025				



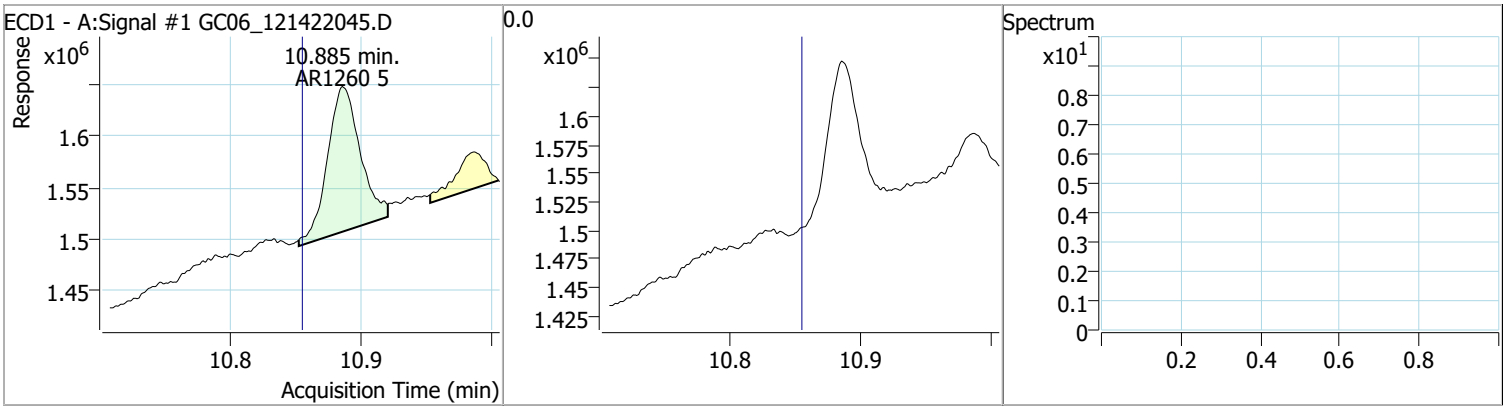
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	66.1753	10.26	-0.02	1349018				



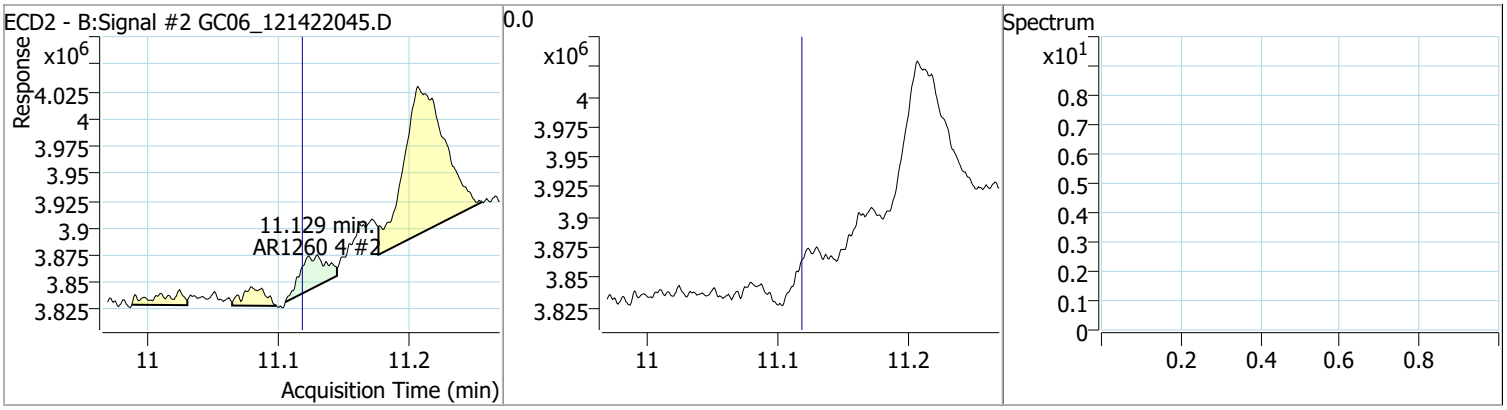
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.8972	10.62	-0.09	203775				



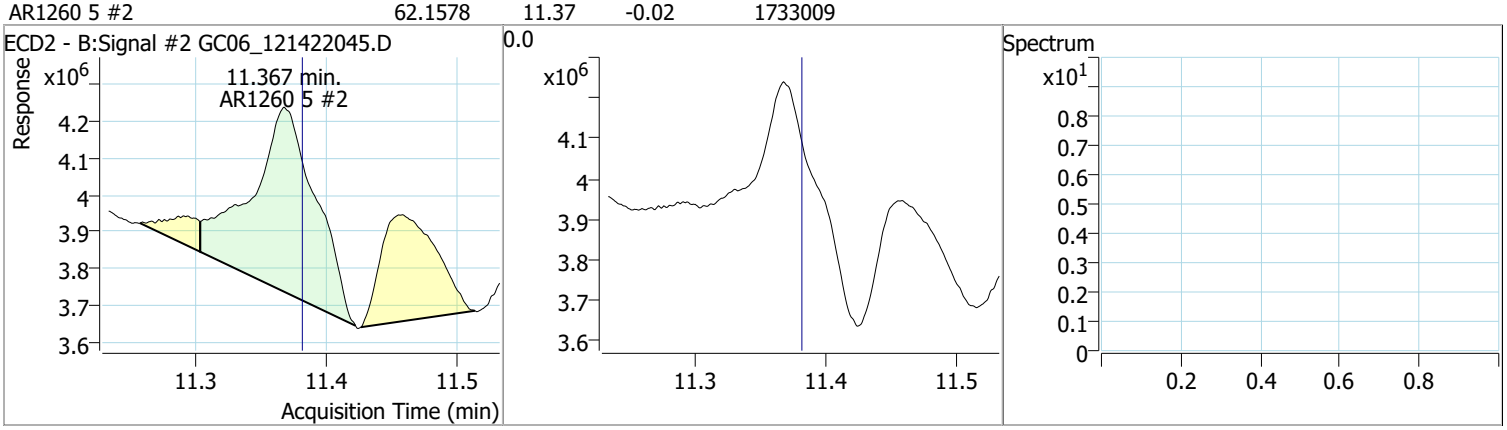
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	15.3260	10.89	0.03	245627				



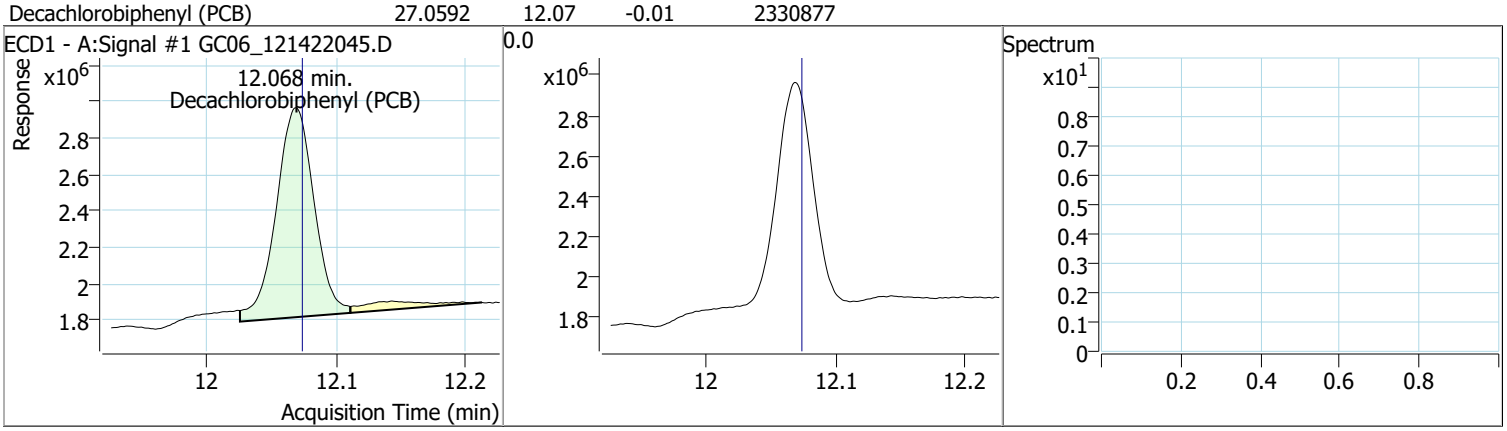
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.13	0.01	41874				



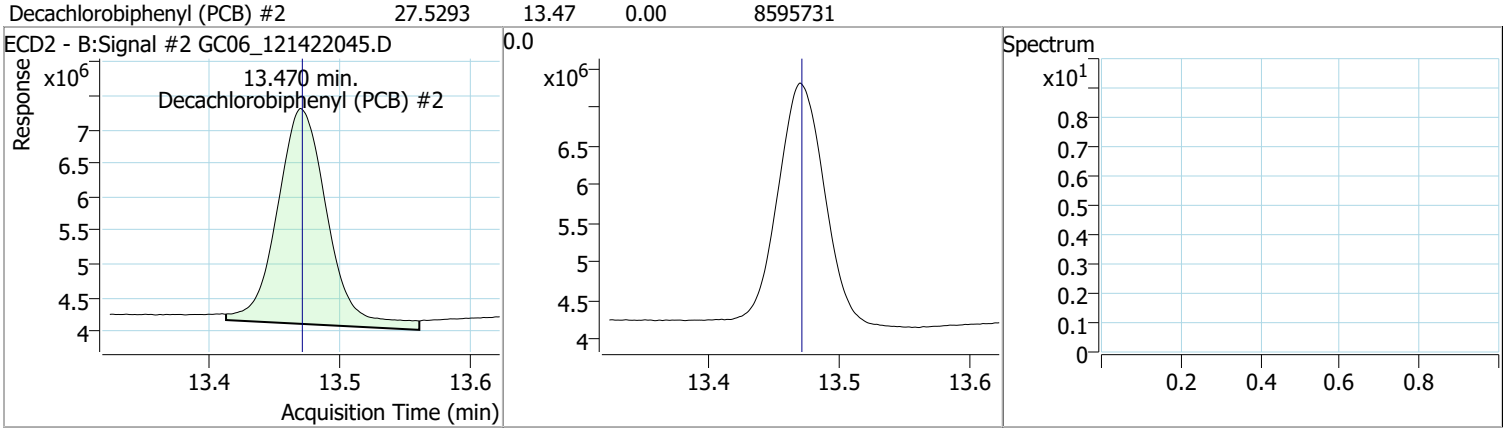
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	62.1578	11.37	-0.02	1733009				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	27.0592	12.07	-0.01	2330877				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	27.5293	13.47	0.00	8595731				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474711-004	Client ID:	20221209-2C-02-DUP
Seqnum:	452501809016	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422016	Batch:	303181	Time:	14-DEC-2022 16:39
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	91.25	~~1.8~~ ~~FP~~	1.2	38%	0.50		x u
Aroclor-1016 Peak # 1	B	298.9	5.98	4.46	29%			
Aroclor-1016 Peak # 2	B	15.76	0.32	ND	304%			
Aroclor-1016 Peak # 3	B	137.1	2.74	0.79	111%			
Aroclor-1016 Peak # 4	B	1.749	0.03	0.02	33%			
Aroclor-1016 Peak # 5	B	2.791	0.06	1.00	179%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	22.44	ND	0.38	16%	0.50		u
Aroclor-1260 Peak # 1	B	34.41	0.69	1.09	46%			
Aroclor-1260 Peak # 2	B	25.04	0.50	0.00	198%			
Aroclor-1260 Peak # 3	B	3.191	0.06	0.01	166%			
Aroclor-1260 Peak # 4	B	-22.20	ND	0.61	1247%			
Aroclor-1260 Peak # 5	B	71.75	1.44	0.19	154%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	19.34	0.5000	0.3868	77	52-121	u
Decachlorobiphenyl (PCB)	B	17.48	0.5000	0.3495	70	50-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5307613	5013140	-5.55
1-bromo-2-nitrobenzene (PCB)	A	1103956	1048390	-5.03

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

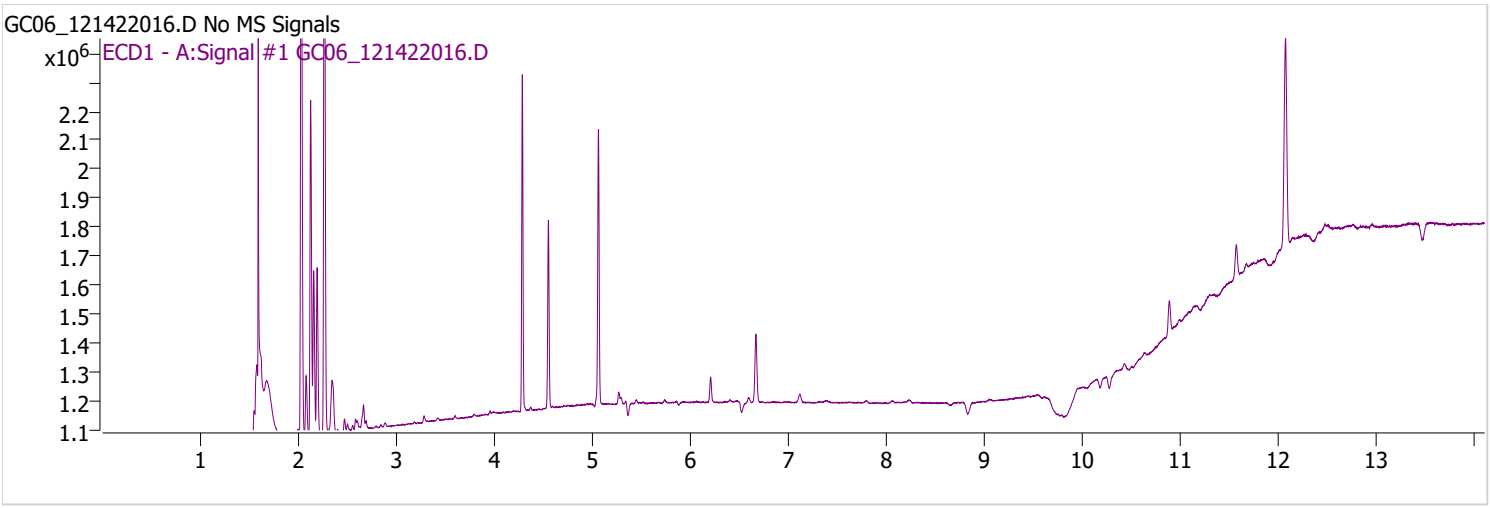
ISTD (CCV gc06_121422004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.28	-0.01

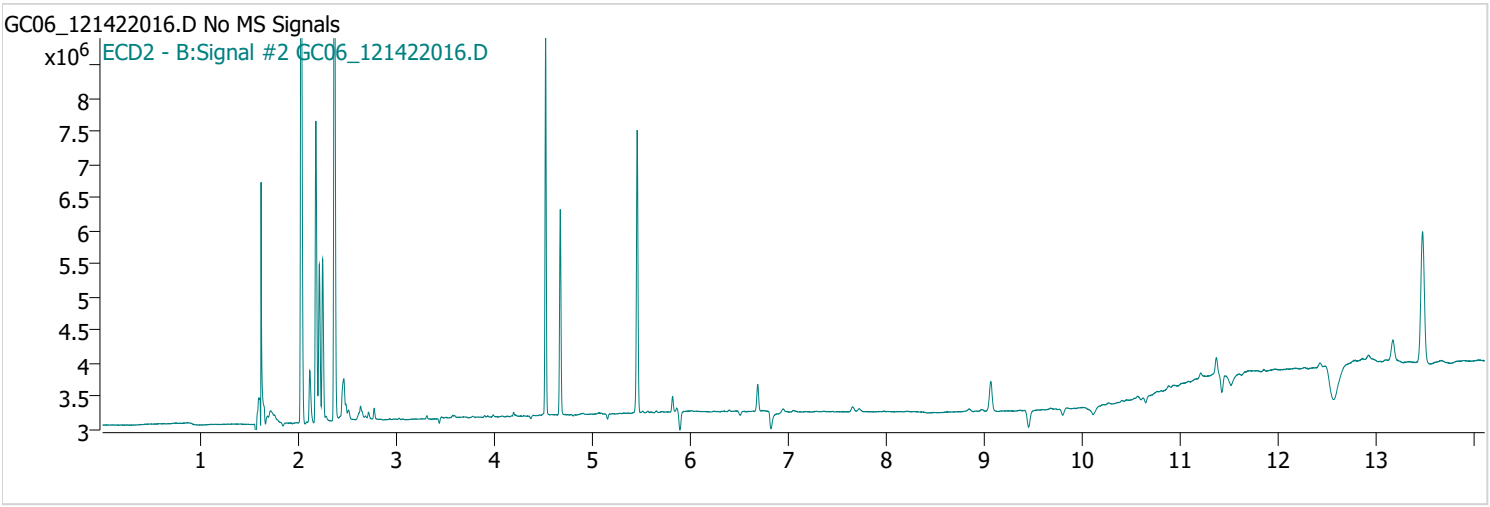
Analyst: MES 12/15/22

Reviewer: LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422016.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 4:39:45 PM
Sample Name	474711-004, 303181, 1	Instrument	SVOA-GC06
Vial	5	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



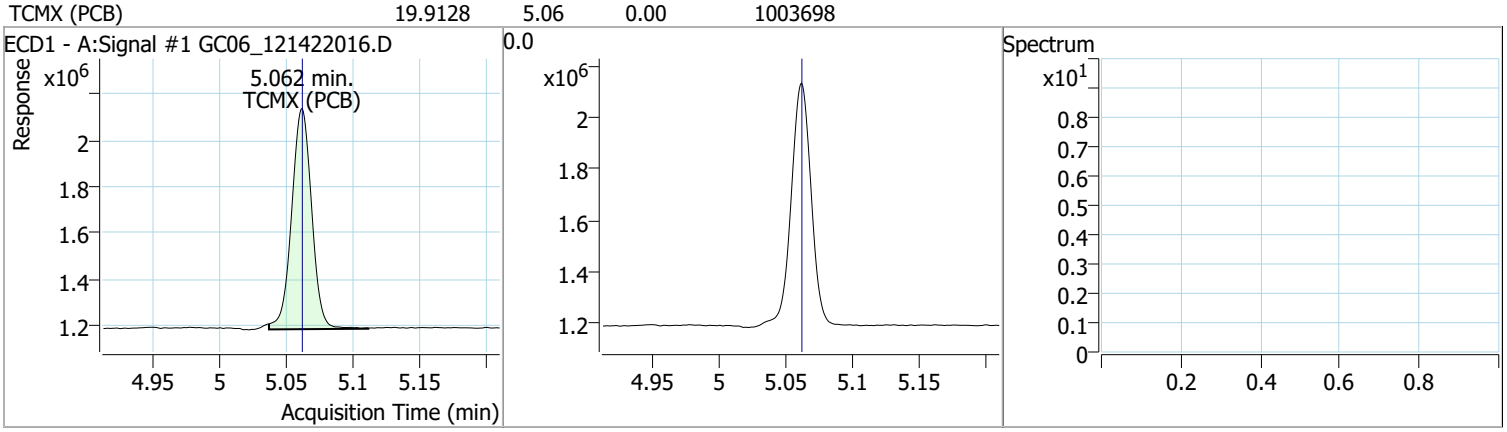


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	1048389.726	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.523	0.0	5013140.089	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.062	0.0	1003698.180	19.9128	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 99.56%		
S TCMX (PCB) #2	5.457	0.0	4656396.200	19.3409	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 96.70%		
S Decachlorobiphenyl (PCB)	12.075	0.0	1488926.182	19.1101	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 95.55%		
S Decachlorobiphenyl (PCB) #2	13.474	0.0	4995225.995	17.4768	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 87.38%		
Target Compounds						QValue

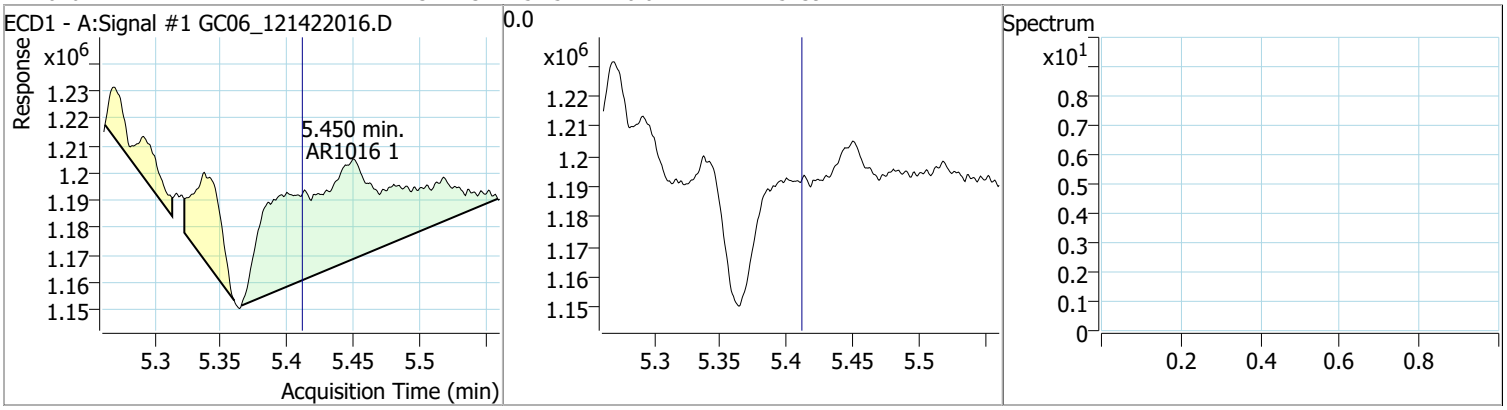
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.450	0.0	245238.562	223.1143	ng/ml	100
T AR1016 2	5.735	0.0	26516.558	0.0000	ng/ml	100
T AR1016 1 #2	6.023	0.0	1557455.206	298.9205	ng/ml	100
T AR1016 3	6.208	0.0	109698.579	39.3634	ng/ml	100
T AR1016 4	6.355	0.0	2647.834	1.2492	ng/ml	100
T AR1016 2 #2	6.393	0.0	118508.602	15.7565	ng/ml	100
T AR1016 5	6.478	0.0	85705.758	50.2024	ng/ml	100
T AR1016 3 #2	6.950	0.0	1873009.673	137.0544	ng/ml	100
T AR1016 4 #2	7.173	0.0	17067.634	1.7494	ng/ml	100
T AR1016 5 #2	7.284	0.0	22136.814	2.7914	ng/ml	100
T AR1260 1	8.728	0.0	193804.301	54.6755	ng/ml	100
T AR1260 2	9.238	0.0	782.410	0.1448	ng/ml	100
T AR1260 3	9.757	0.0	1656.153	0.2933	ng/ml	100
T AR1260 1 #2	10.005	0.0	513328.585	34.4076	ng/ml	100
T AR1260 4	10.151	0.0	137567.015	30.6832	ng/ml	100
T AR1260 2 #2	10.267	0.0	448832.984	25.0387	ng/ml	100
T AR1260 3 #2	10.620	0.0	72409.361	3.1913	ng/ml	100
T AR1260 5	10.889	0.0	172859.371	9.3973	ng/ml	100
T AR1260 4 #2	11.083	0.0	18094.376	0.0000	ng/ml	100
T AR1260 5 #2	11.369	0.0	1704931.643	71.7594	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

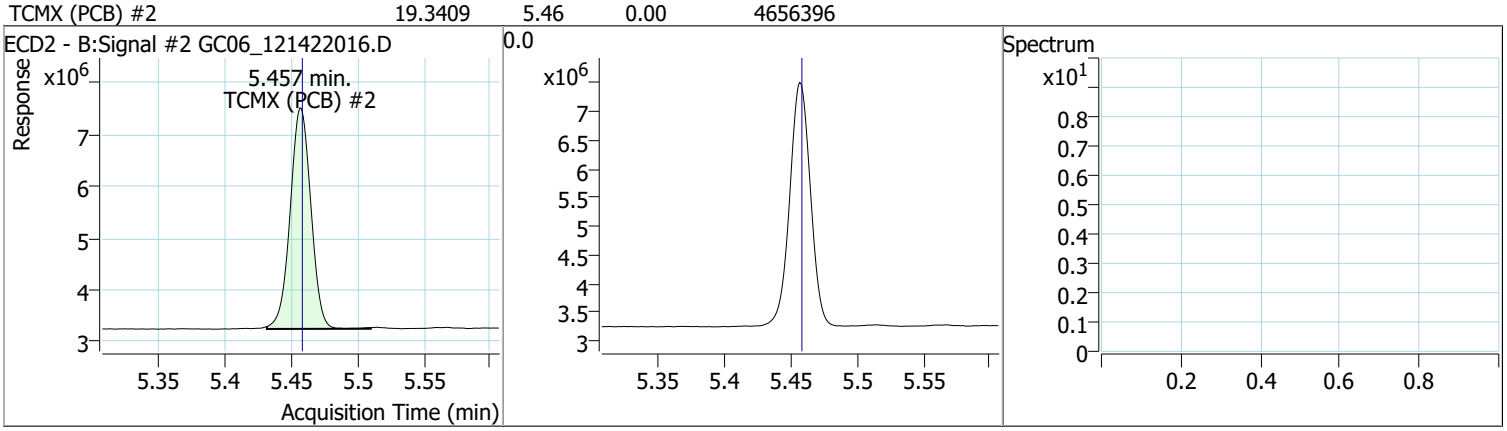
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	19.9128	5.06	0.00	1003698				



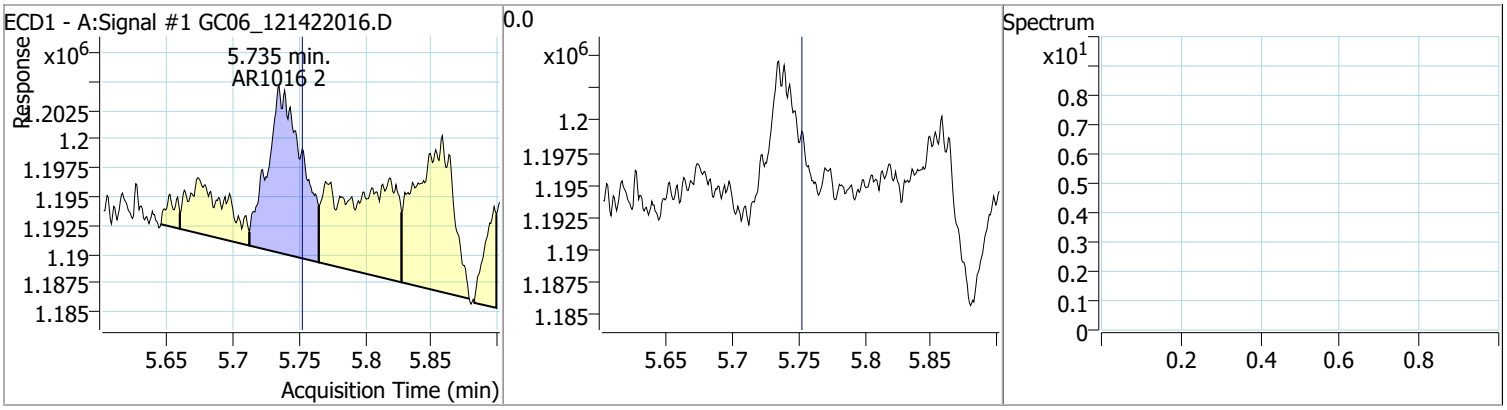
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	223.1143	5.45	0.04	245239				



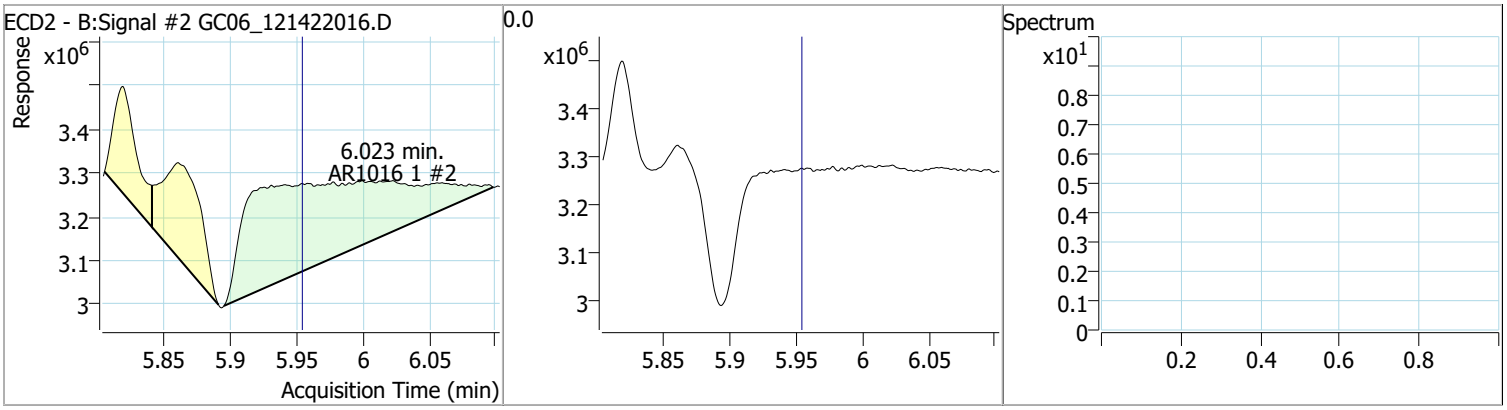
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	19.3409	5.46	0.00	4656396				



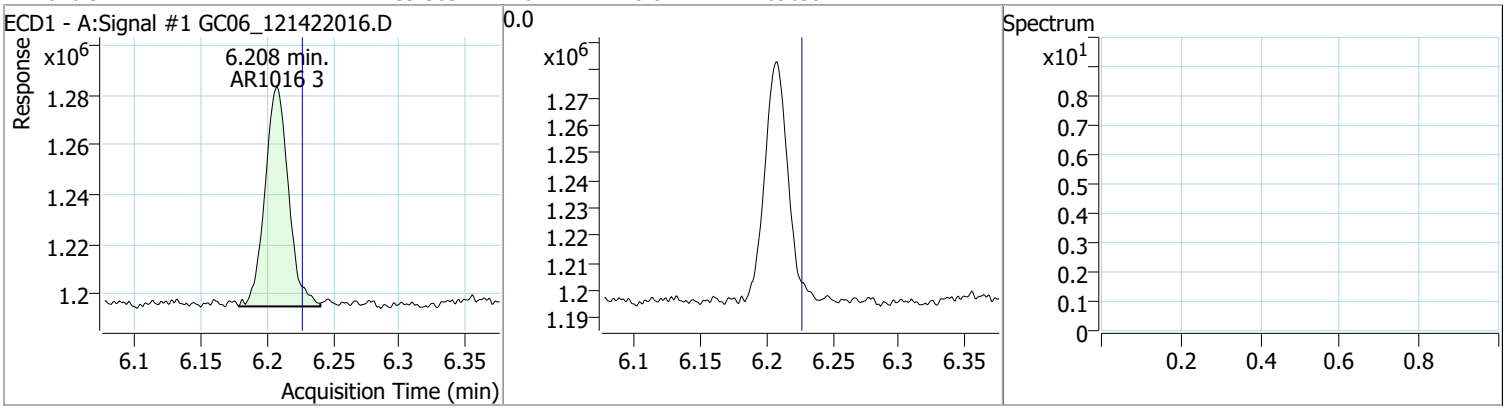
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.74	-0.02	26517				



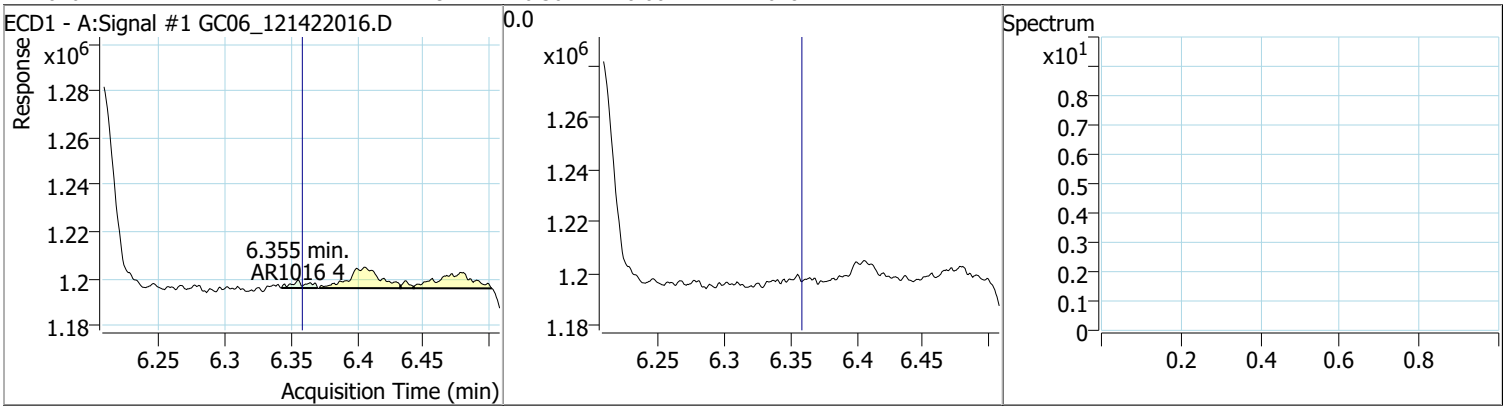
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	298.9205	6.02	0.07	1557455				



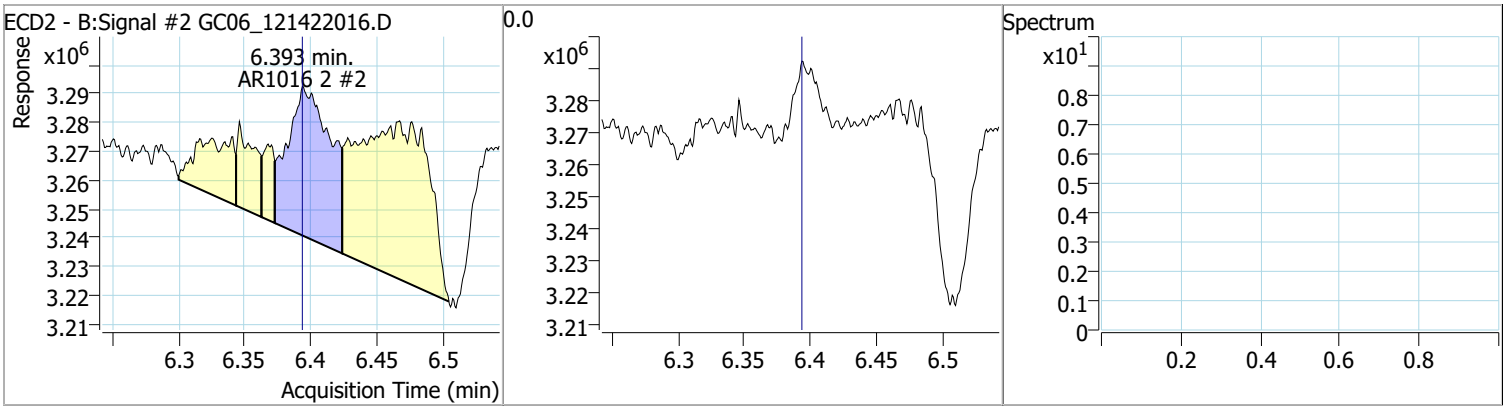
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	39.3634	6.21	-0.02	109699				



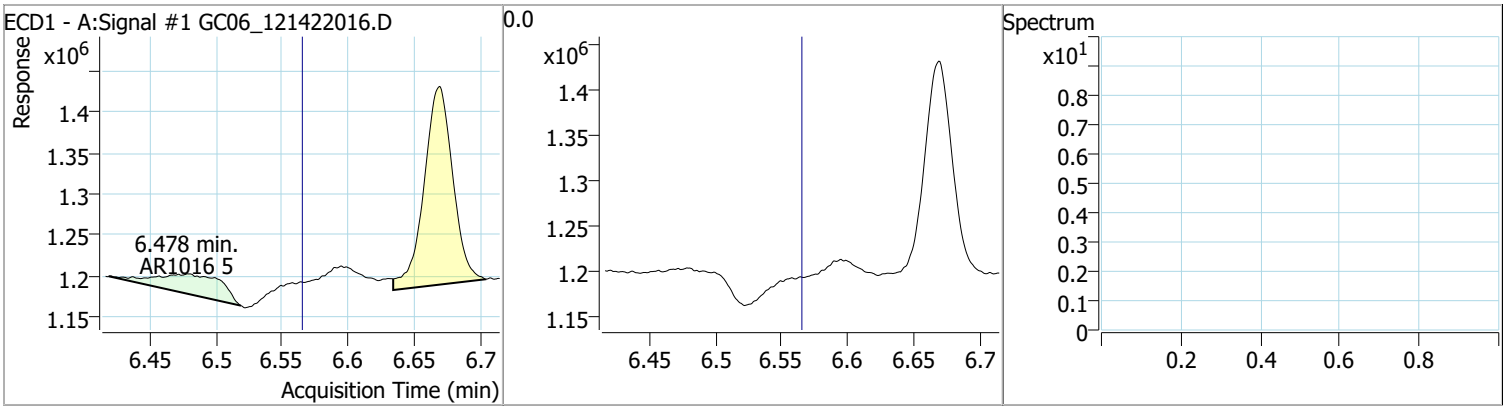
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1.2492	6.36	0.00	2648				



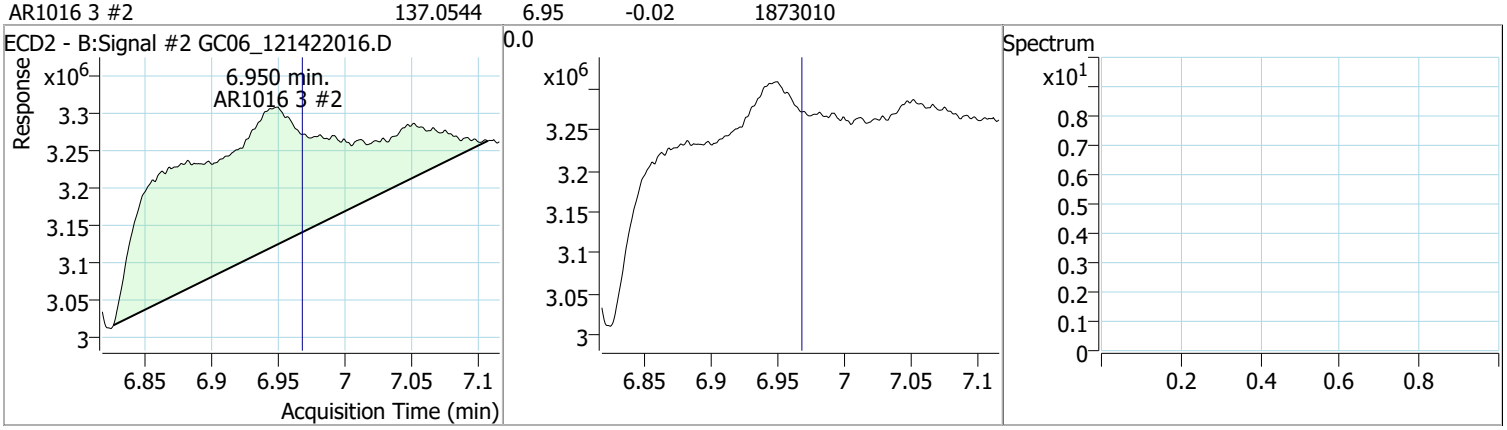
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	15.7565	6.39	0.00	118509				



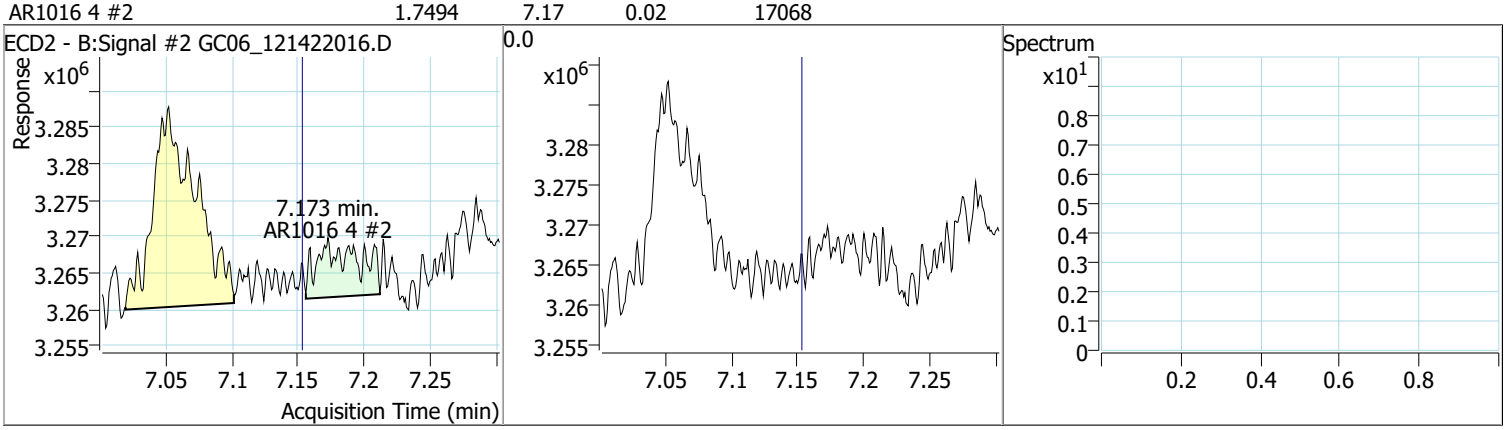
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	50.2024	6.48	-0.09	85706				



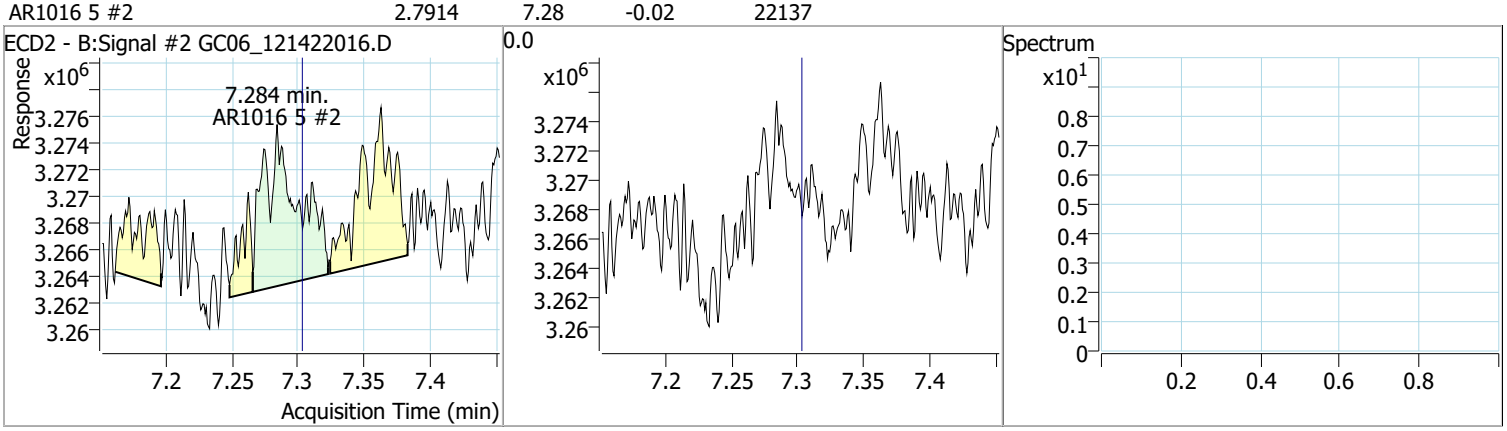
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	137.0544	6.95	-0.02	1873010				



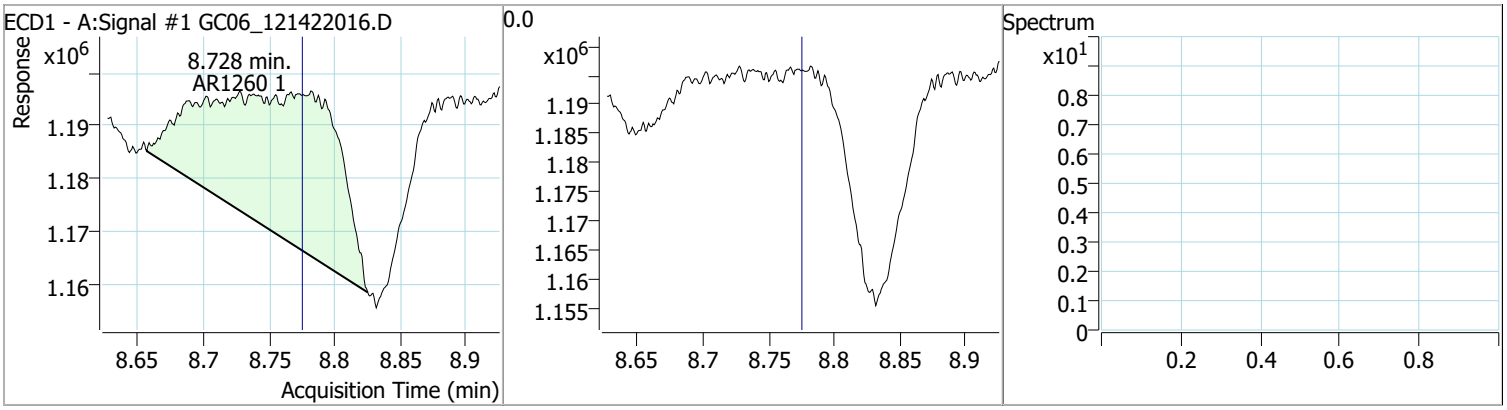
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.7494	7.17	0.02	17068				



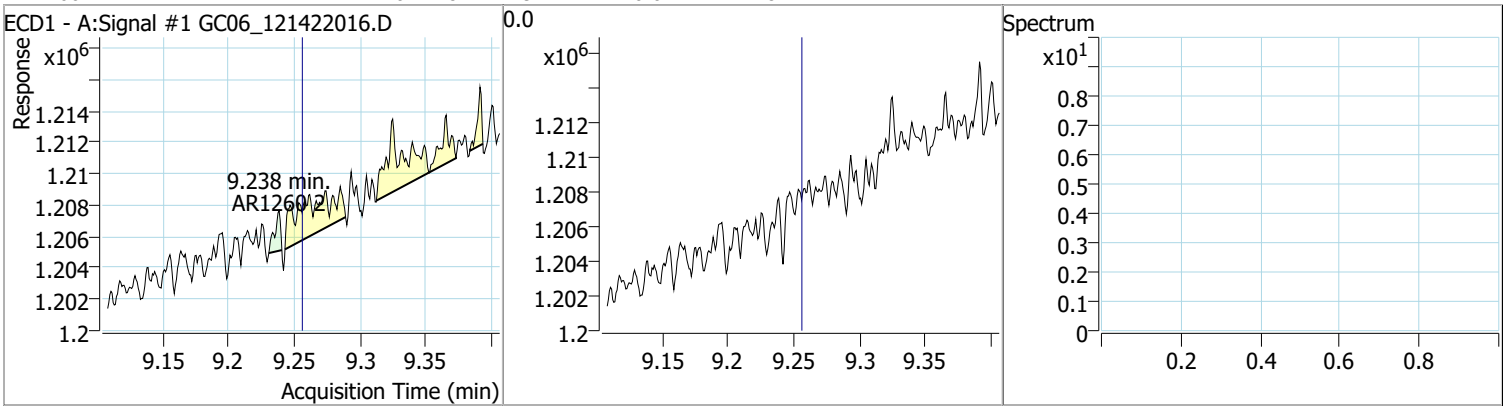
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.7914	7.28	-0.02	22137				



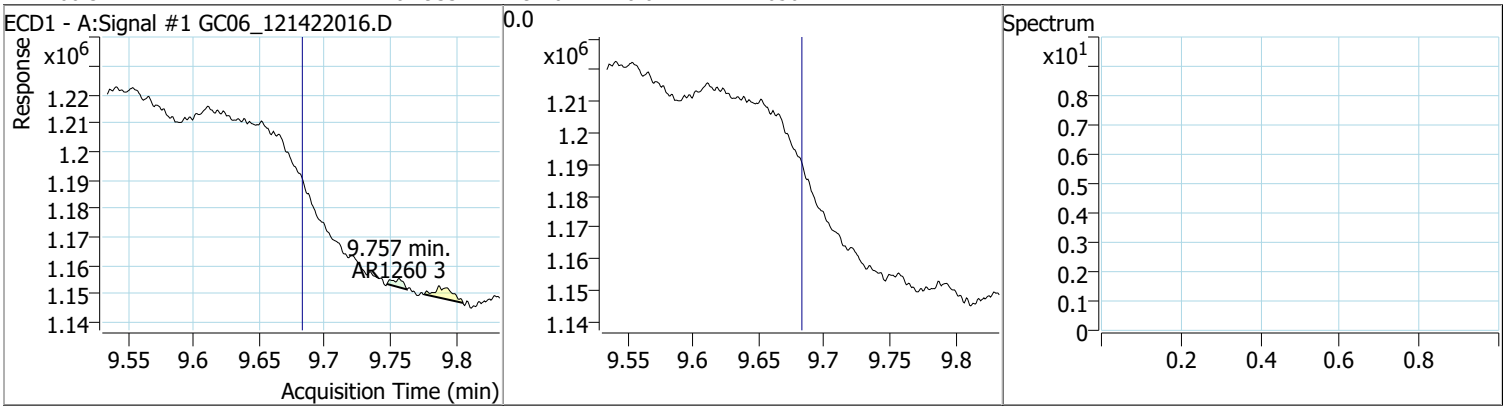
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	54.6755	8.73	-0.05	193804				



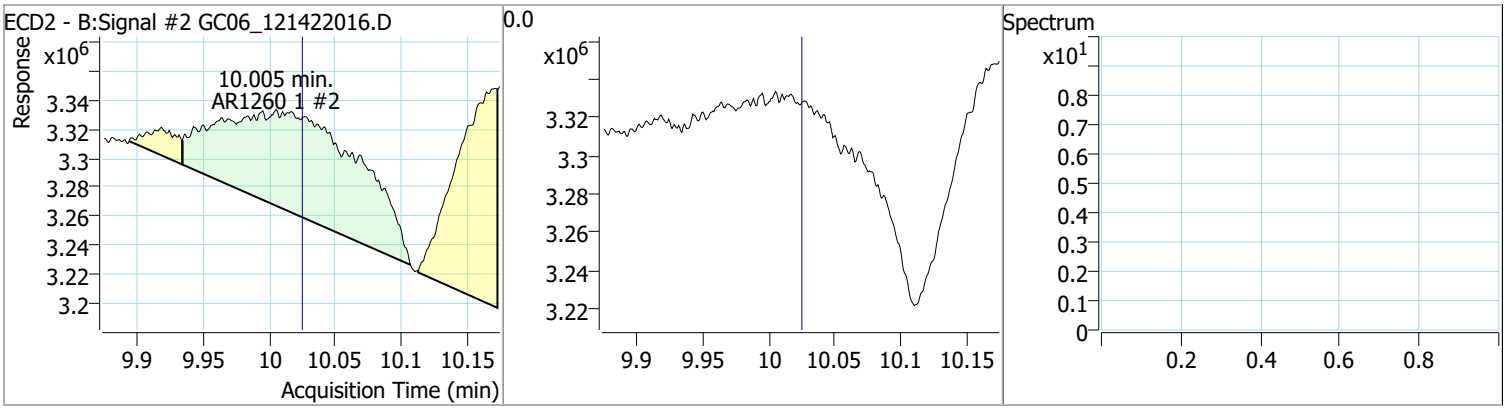
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.1448	9.24	-0.02	782				



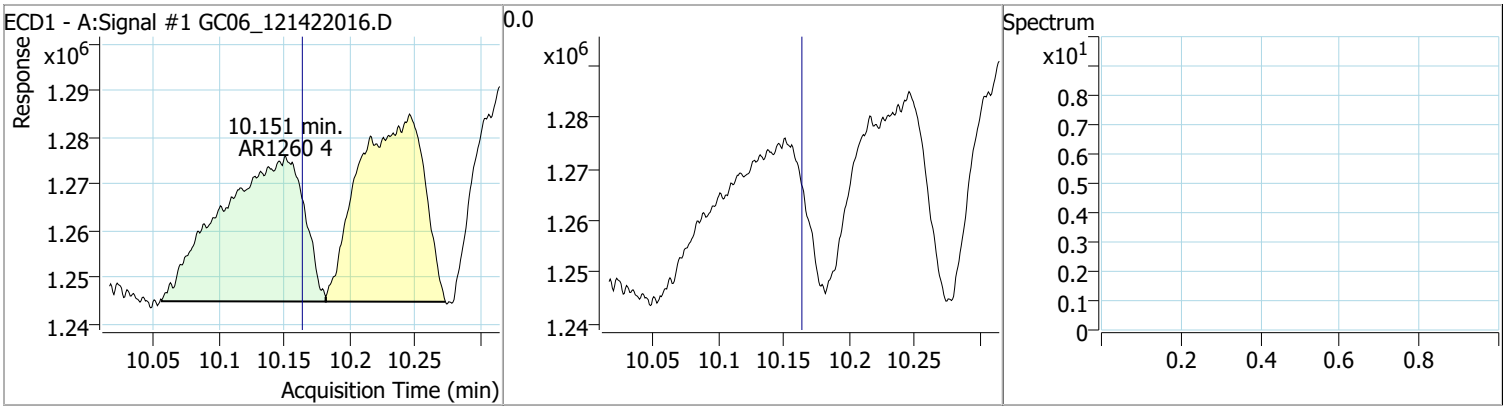
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.2933	9.76	0.07	1656				



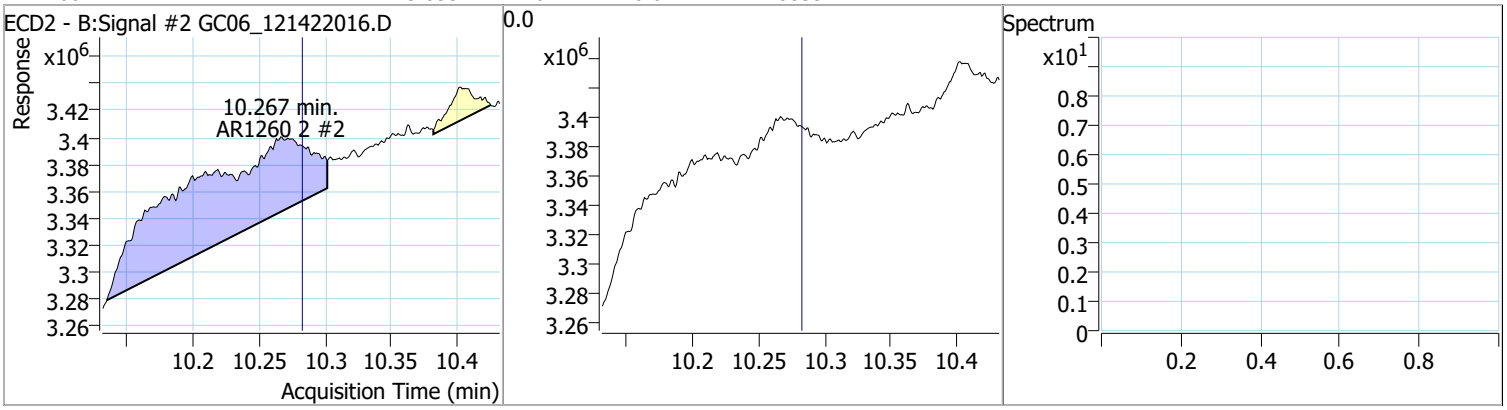
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	34.4076	10.01	-0.02	513329				



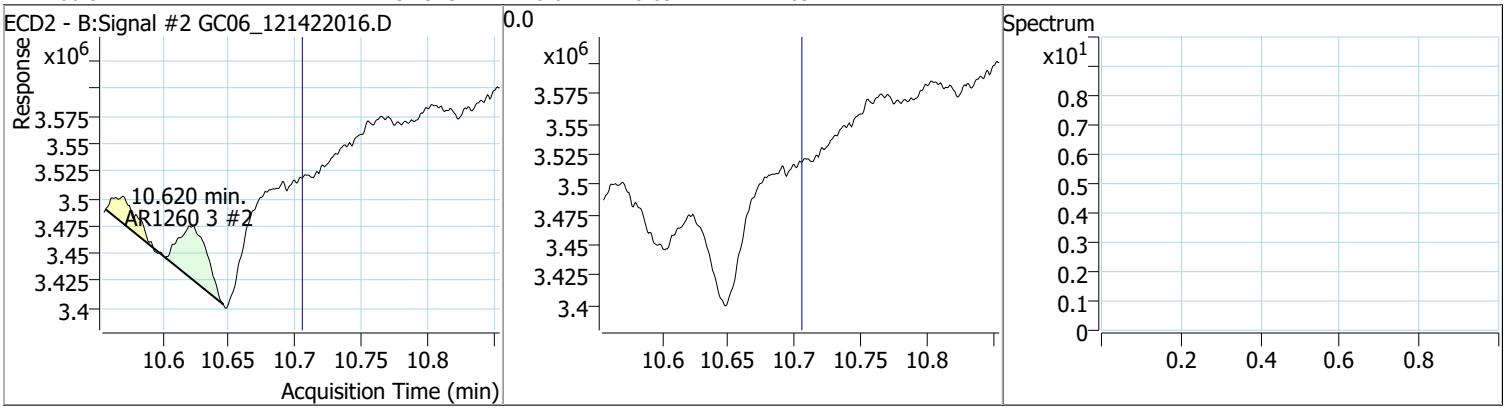
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	30.6832	10.15	-0.02	137567				



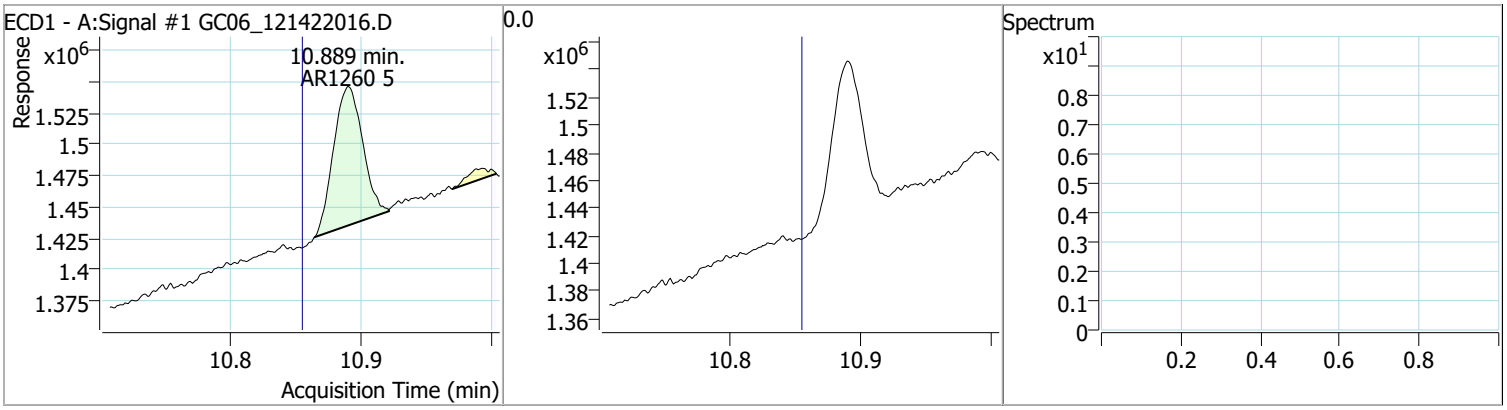
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	25.0387	10.27	-0.02	448833				



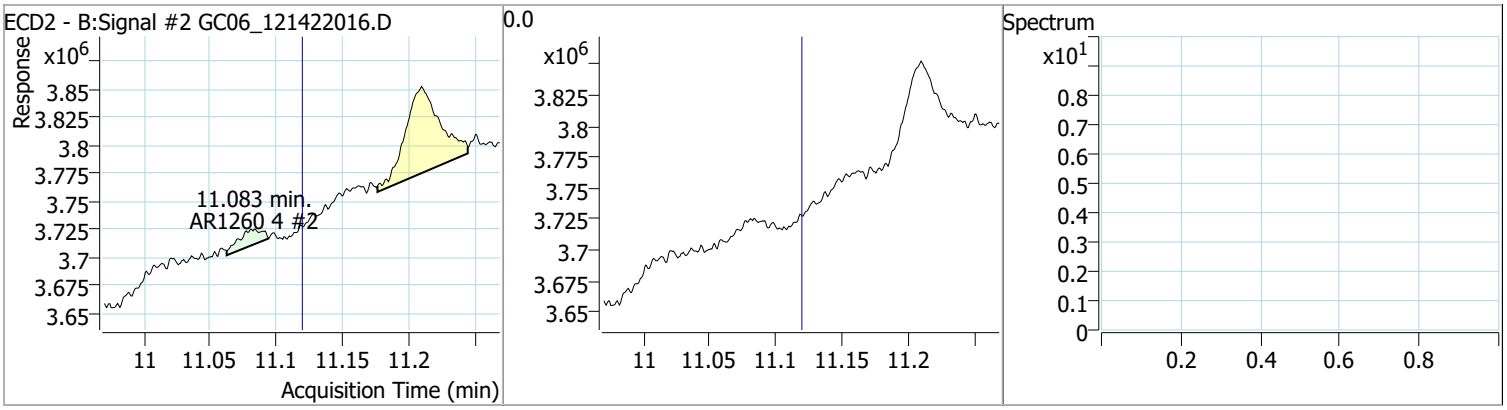
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	3.1913	10.62	-0.09	72409				



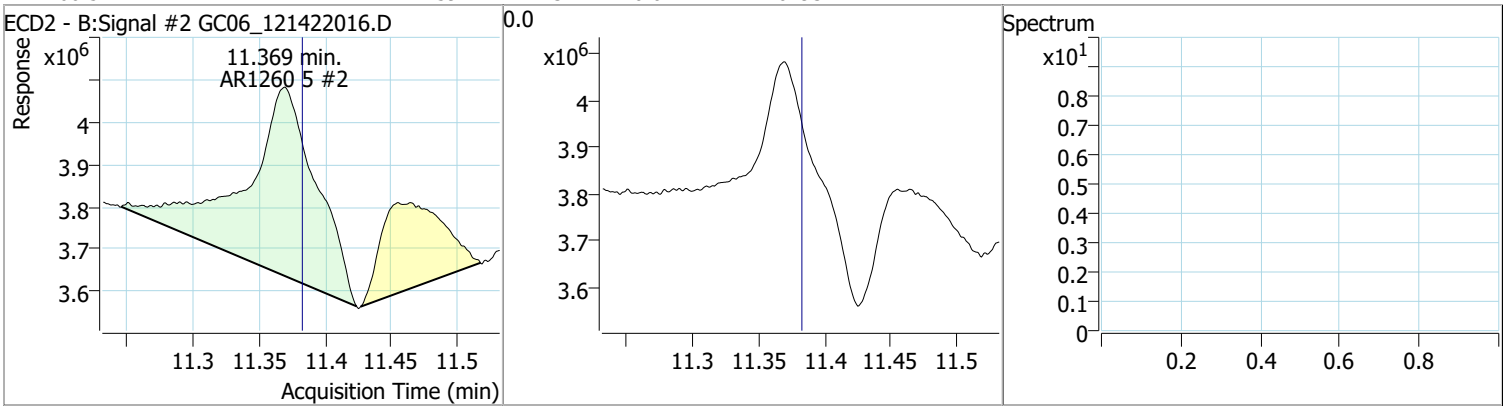
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	9.3973	10.89	0.03	172859				



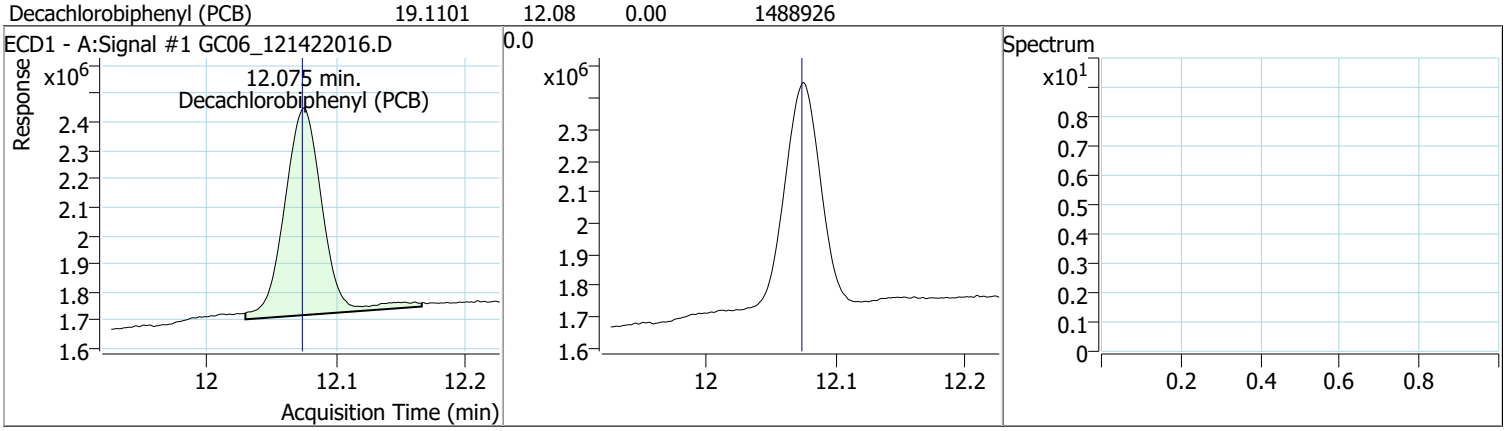
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.08	-0.04	18094				



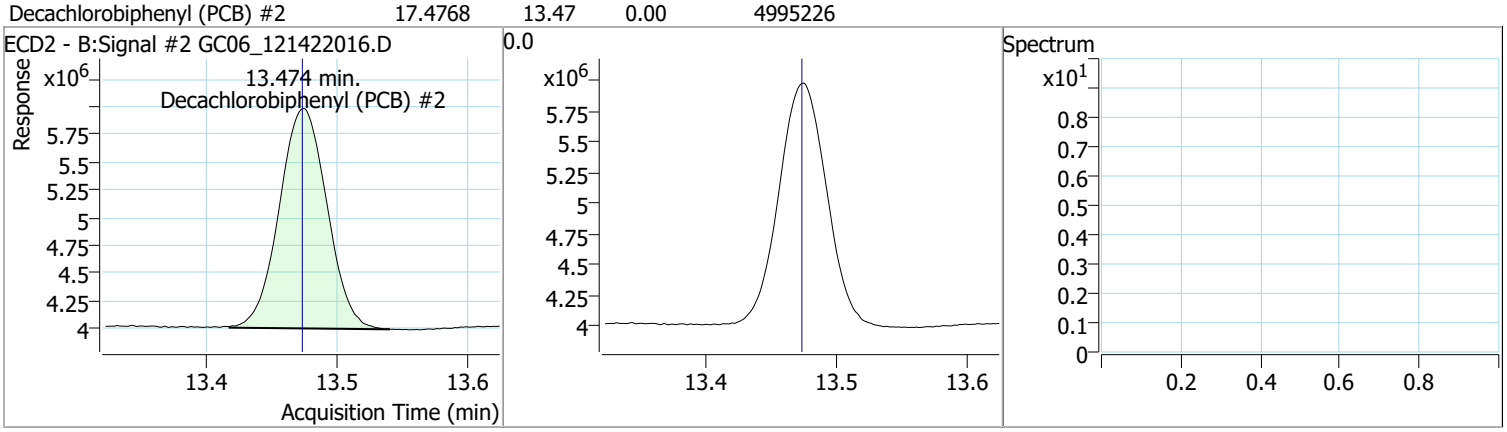
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	71.7594	11.37	-0.01	1704932				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	19.1101	12.08	0.00	1488926				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	17.4768	13.47	0.00	4995226				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474711-005	Client ID:	20221209-2C-03
Seqnum:	452501809046	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422046	Batch:	303182	Time:	15-DEC-2022 01:49
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	187.2	~~1.9~~ ~~FP~~	1.2	45%	0.50		x u
Aroclor-1016 Peak # 1	B	430.2	4.30	2.50	53%			
Aroclor-1016 Peak # 2	B	209.0	2.09	0.37	139%			
Aroclor-1016 Peak # 3	B	155.8	1.56	0.80	65%			
Aroclor-1016 Peak # 4	B	19.73	0.20	1.52	154%			
Aroclor-1016 Peak # 5	B	121.4	1.21	0.72	50%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	36.57	ND	0.44	18%	0.50		u
Aroclor-1260 Peak # 1	B	73.20	0.73	1.02	33%			
Aroclor-1260 Peak # 2	B	41.54	0.42	0.01	191%			
Aroclor-1260 Peak # 3	B	9.111	0.09	0.12	28%			
Aroclor-1260 Peak # 4	B	-20.60	ND	0.83	333%			
Aroclor-1260 Peak # 5	B	79.58	0.80	0.21	118%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	35.33	0.5000	0.3533	71	19-121	u
Decachlorobiphenyl (PCB)	B	29.20	0.5000	0.2920	58	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422036)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5560467	5891478	5.95
1-bromo-2-nitrobenzene (PCB)	A	1170615	1263286	7.92

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

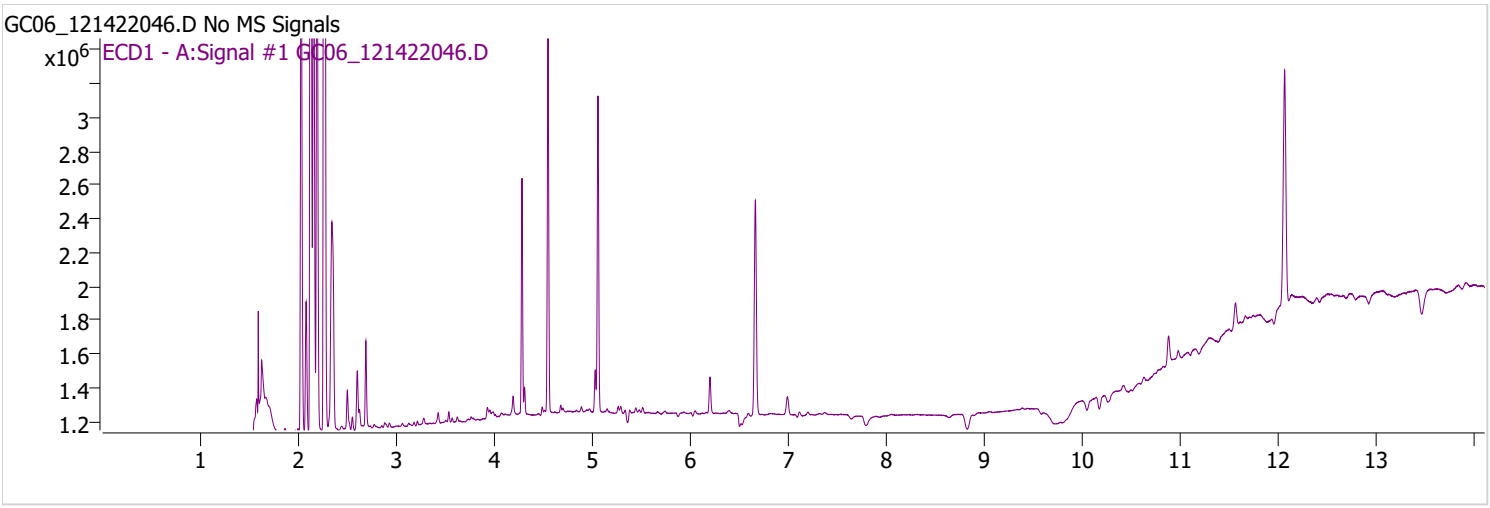
ISTD (CCV gc06_121422036)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

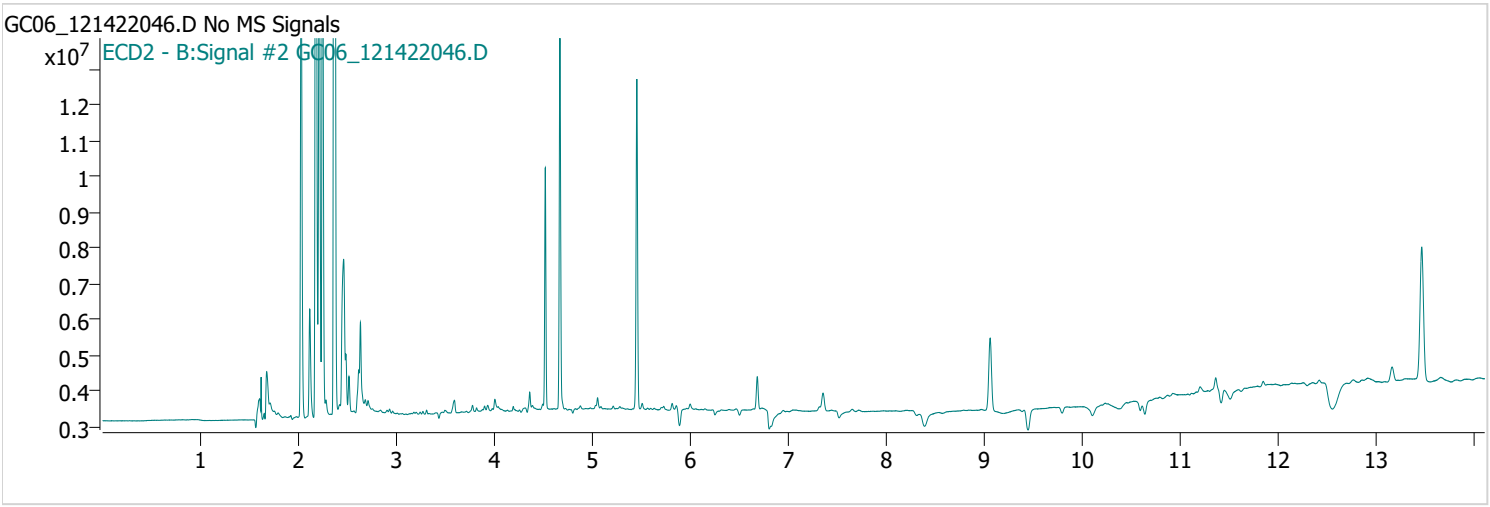
Analyst: MES 12/15/22

Reviewer: LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422046.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 1:49:46 AM
Sample Name	474711-005, 303182, 1	Instrument	SVOA-GC06
Vial	29	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



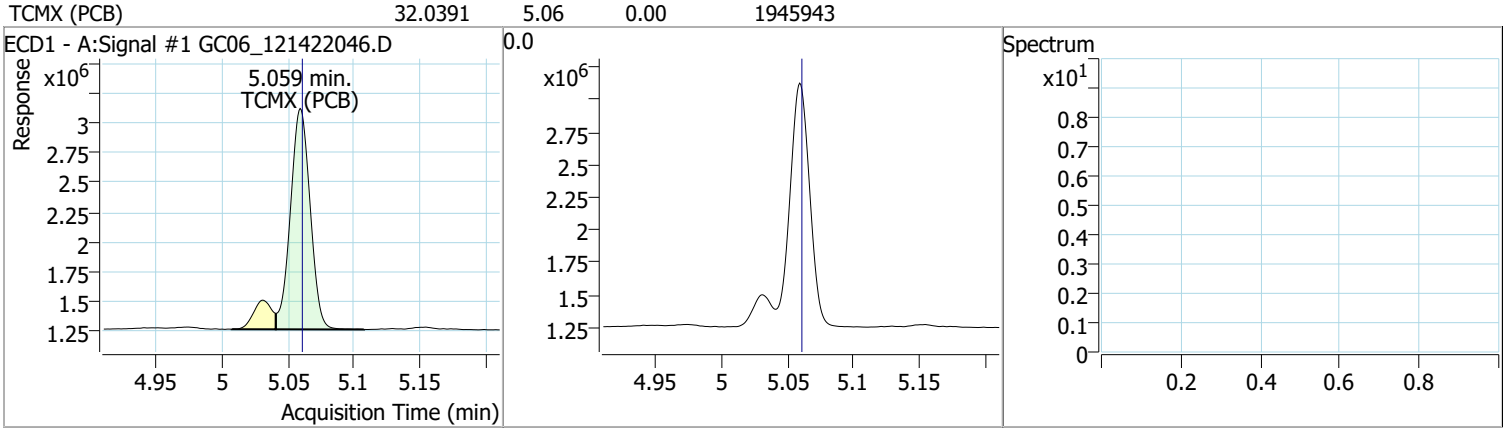


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.283	0.0	1263286.278	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	5891478.148	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.059	0.0	1945943.196	32.0391	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 160.20%		*	
S TCMX (PCB) #2	5.456	0.0	9996360.438	35.3309	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 176.65%		*	
S Decachlorobiphenyl (PCB)	12.071	0.0	2847060.845	32.8620	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 164.31%		*	
S Decachlorobiphenyl (PCB) #2	13.472	0.0	9383948.984	29.2018	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 146.01%			
Target Compounds							QValue

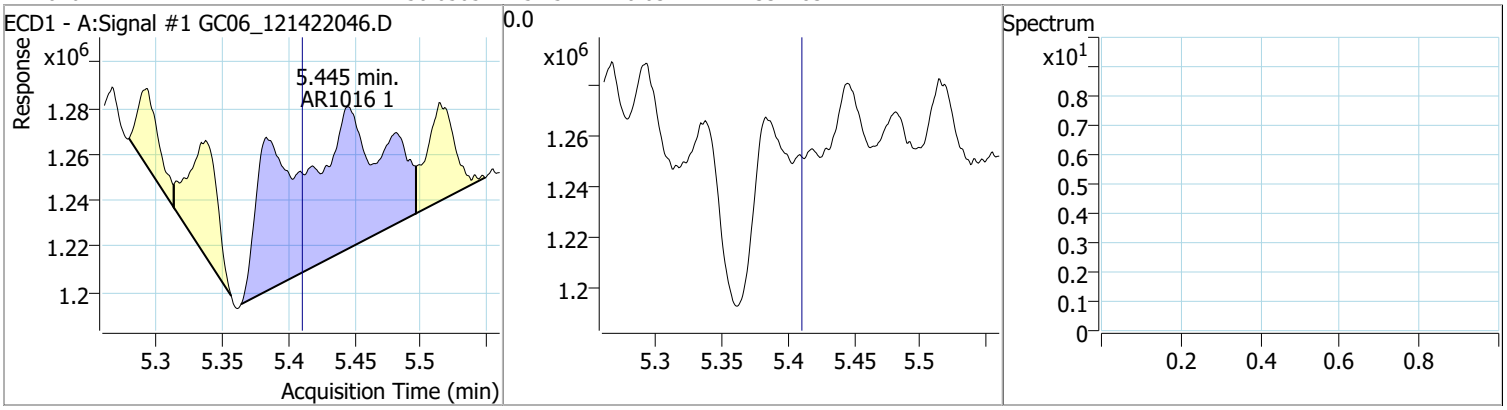
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.445	0.0	331183.142	250.0505	ng/ml	100
T AR1016 2	5.747	0.0	138602.131	37.2407	ng/ml	100
T AR1016 1 #2	6.002	0.0	2634101.248	430.1879	ng/ml	100
T AR1016 3	6.203	0.0	267207.524	79.5721	ng/ml	100
T AR1016 4	6.398	0.0	388120.391	151.9653	ng/ml	100
T AR1016 2 #2	6.473	0.0	1847071.765	208.9676	ng/ml	100
T AR1016 5	6.593	0.0	149026.749	72.4436	ng/ml	100
T AR1016 3 #2	7.081	0.0	2501876.699	155.7774	ng/ml	100
T AR1016 4 #2	7.081	0.0	226177.178	19.7262	ng/ml	100
T AR1016 5 #2	7.358	0.0	1131185.222	121.3729	ng/ml	100
T AR1260 1	8.767	0.0	434667.342	101.7671	ng/ml	100
T AR1260 2	9.342	0.0	6176.035	0.9487	ng/ml	100
T AR1260 3	9.616	0.0	81986.797	12.0490	ng/ml	100
T AR1260 1 #2	9.984	0.0	1283446.497	73.2019	ng/ml	100
T AR1260 4	10.148	0.0	352226.854	82.5657	ng/ml	100
T AR1260 2 #2	10.244	0.0	875178.166	41.5441	ng/ml	100
T AR1260 3 #2	10.616	0.0	242960.411	9.1115	ng/ml	100
T AR1260 5	10.885	0.0	293497.752	20.6454	ng/ml	100
T AR1260 4 #2	11.121	0.0	44615.696	0.0000	ng/ml	100
T AR1260 5 #2	11.368	0.0	2177185.795	79.5906	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

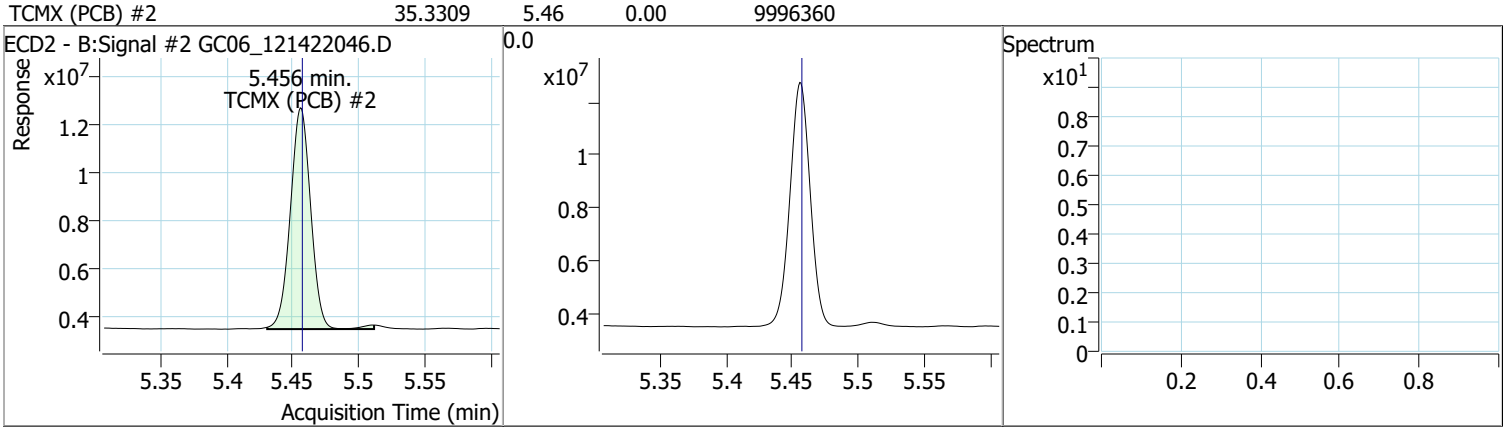
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	32.0391	5.06	0.00	1945943				



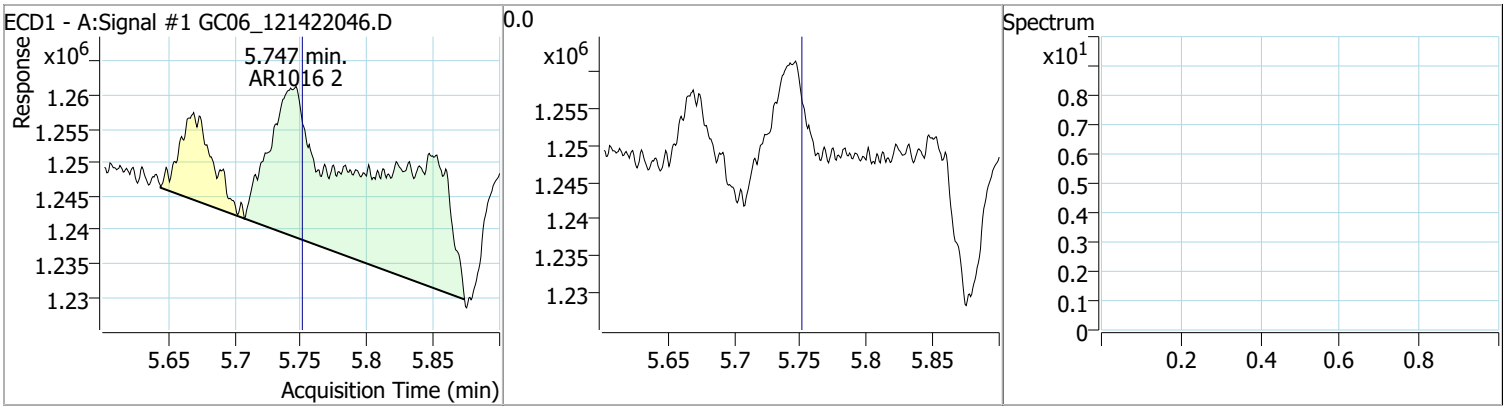
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	250.0505	5.45	0.03	331183				



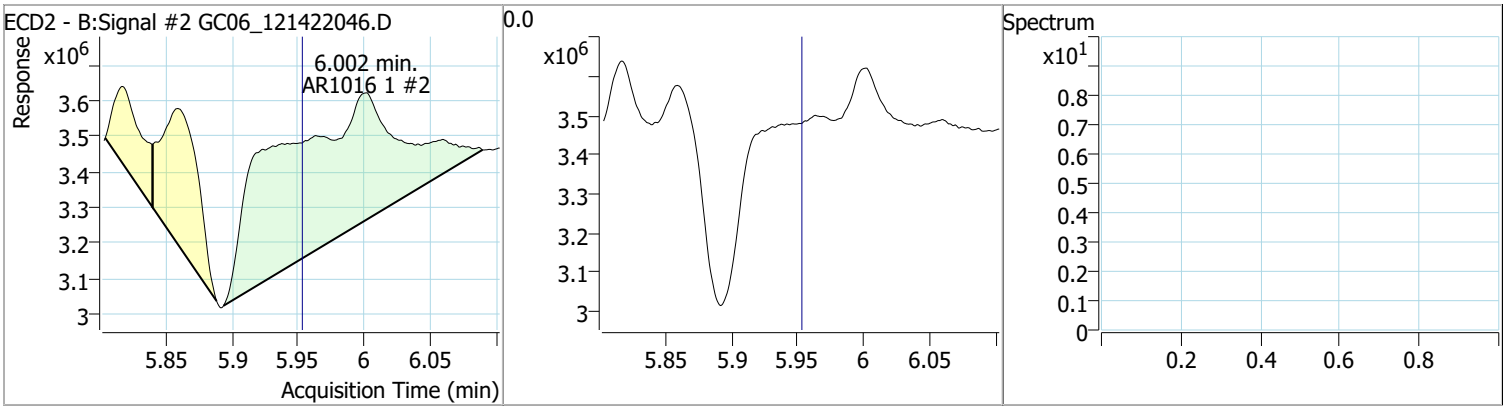
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.3309	5.46	0.00	9996360				



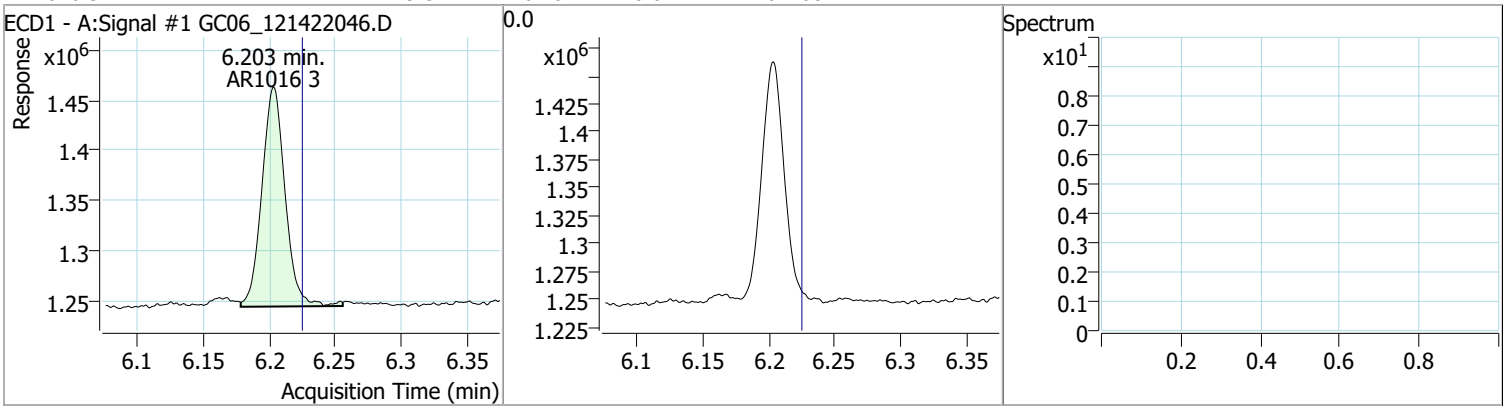
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	37.2407	5.75	-0.01	138602				



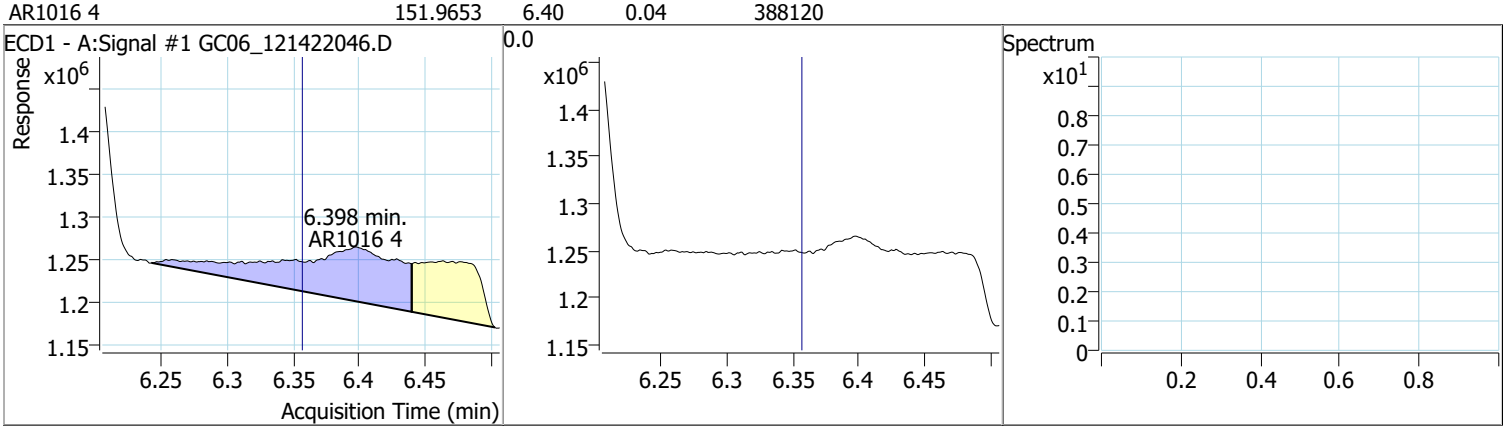
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	430.1879	6.00	0.05	2634101				



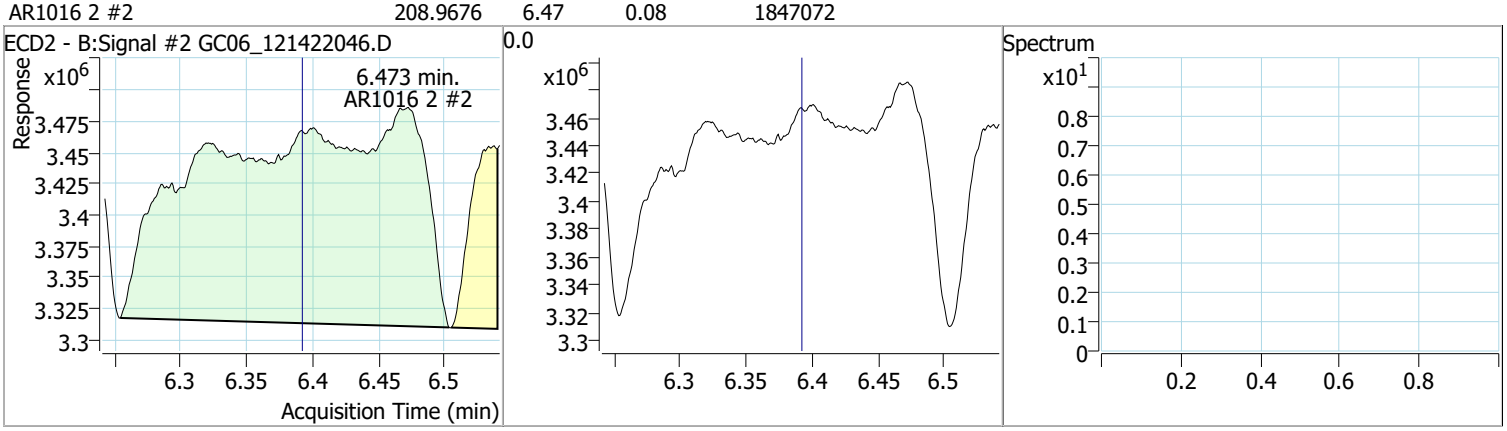
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	79.5721	6.20	-0.02	267208				



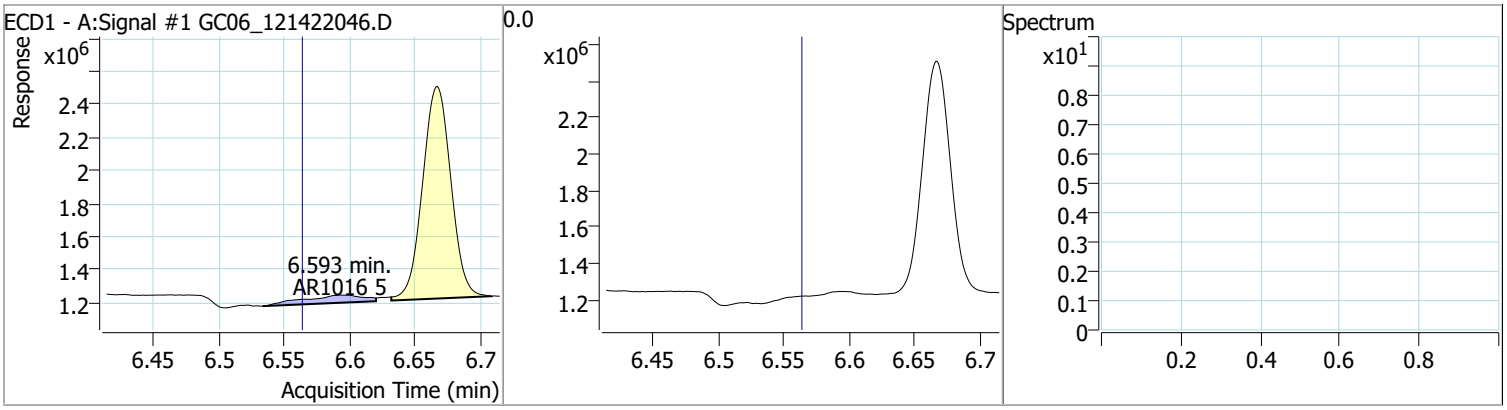
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	151.9653	6.40	0.04	388120				



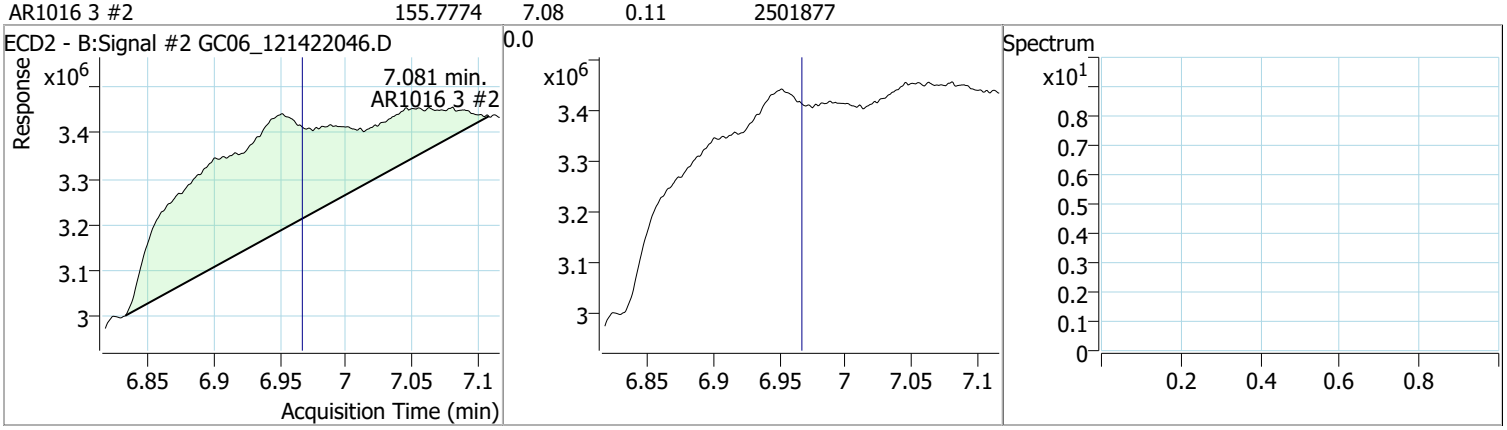
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	208.9676	6.47	0.08	1847072				



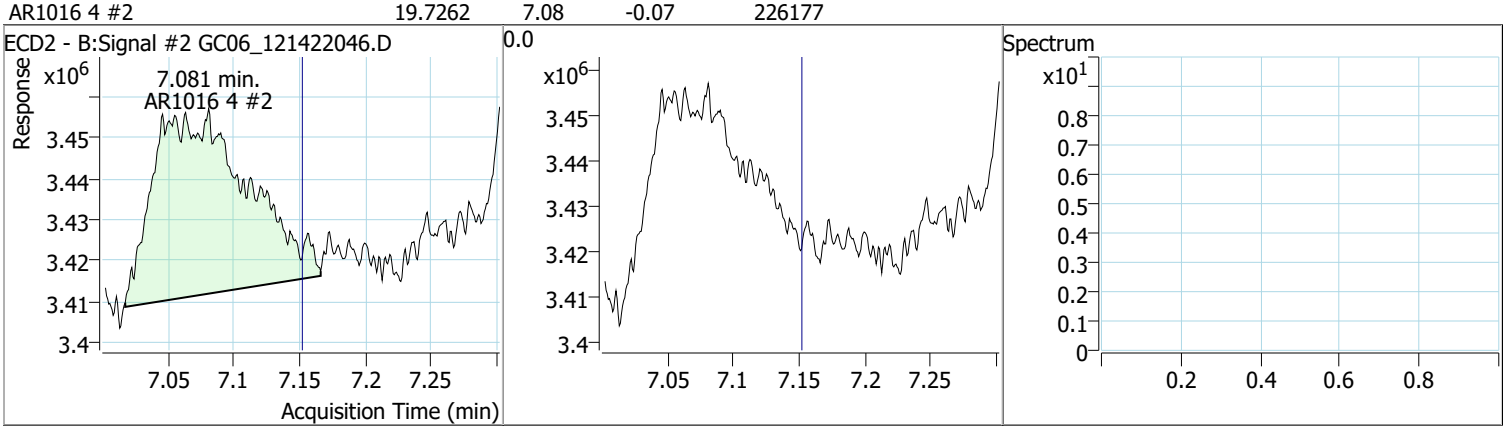
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	72.4436	6.59	0.03	149027				



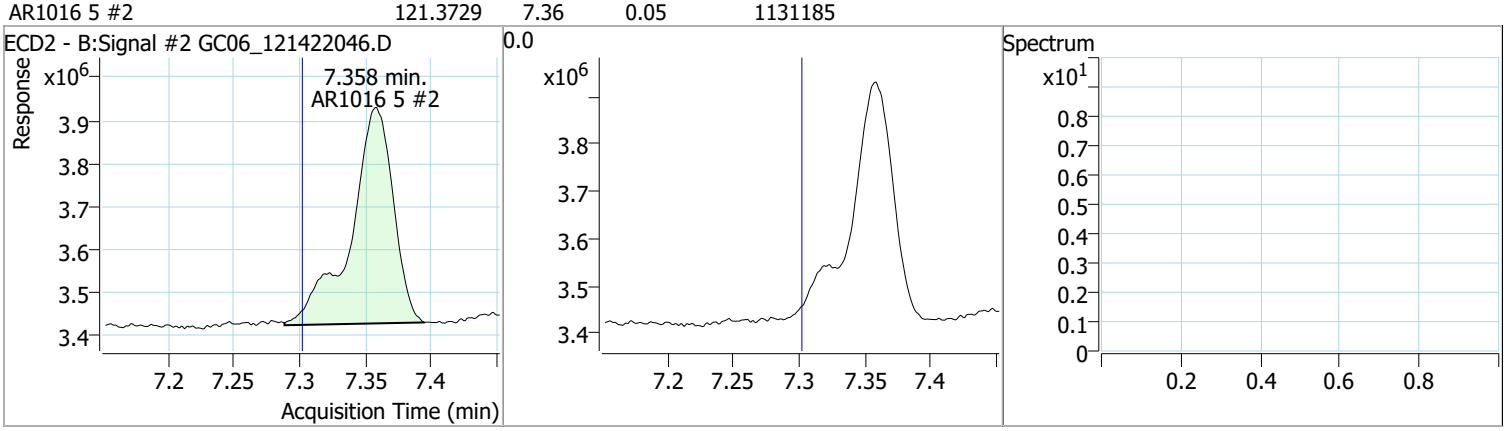
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	155.7774	7.08	0.11	2501877				



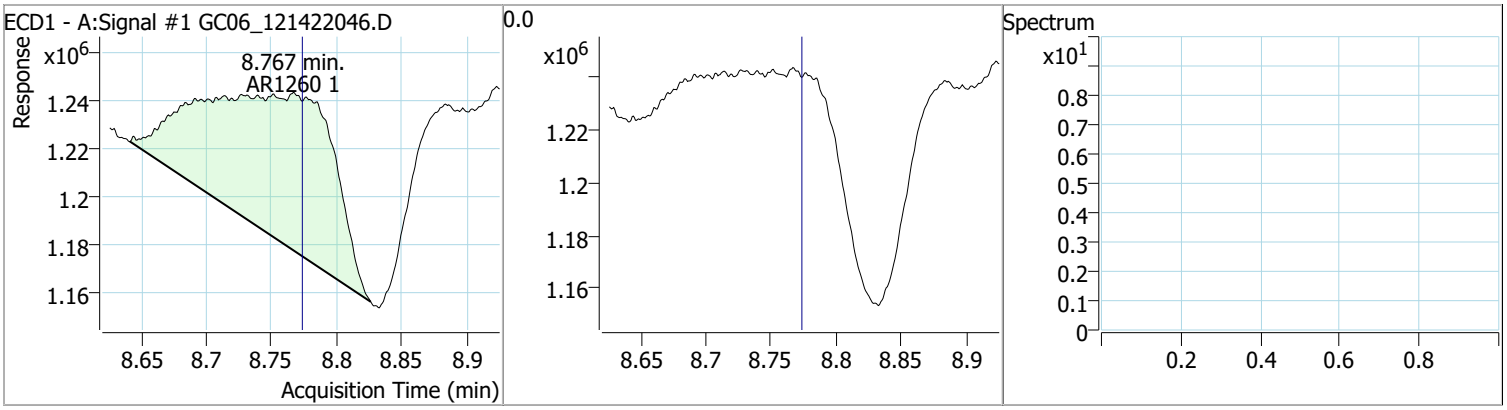
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	19.7262	7.08	-0.07	226177				



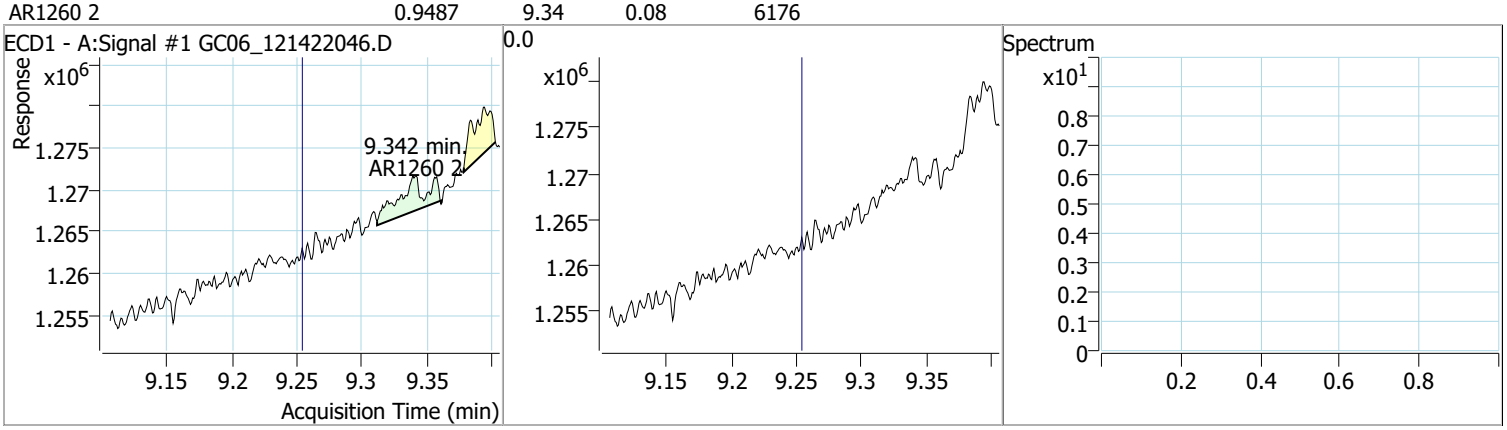
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	121.3729	7.36	0.05	1131185				



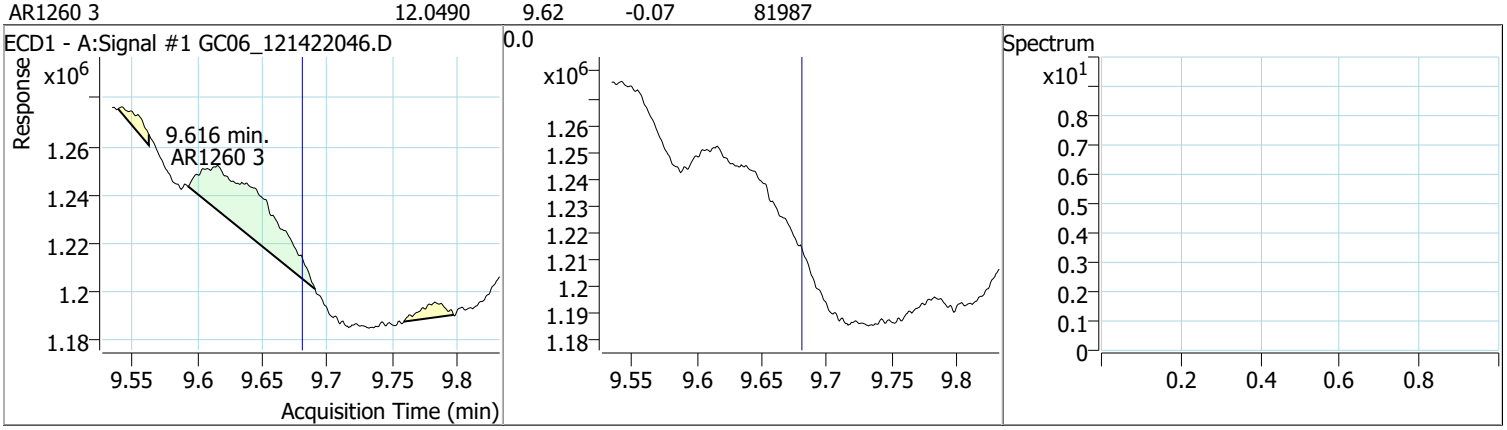
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	101.7671	8.77	-0.01	434667				



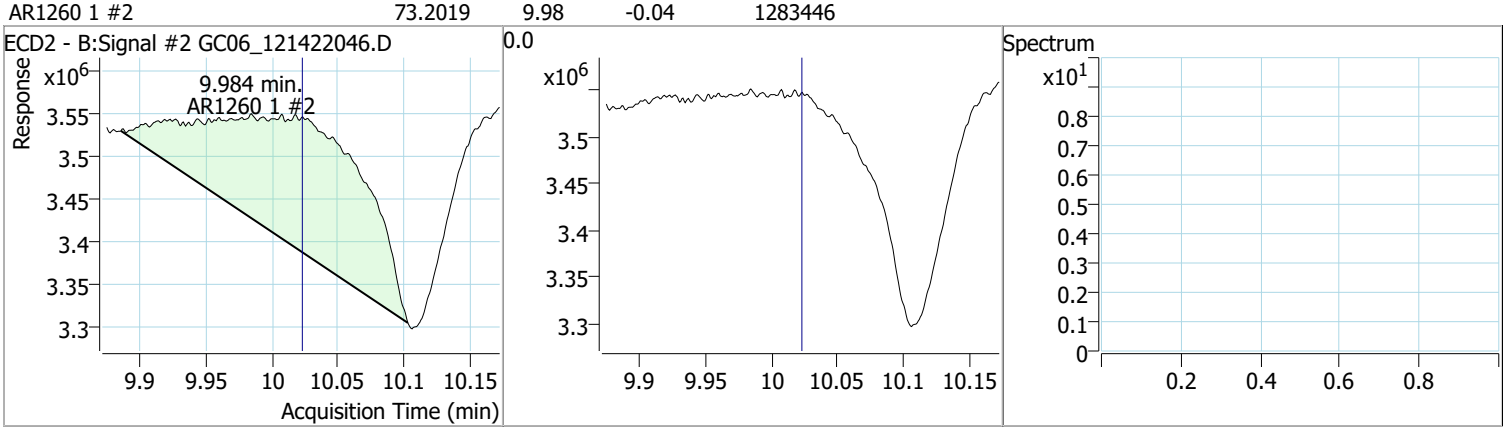
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.9487	9.34	0.08	6176				



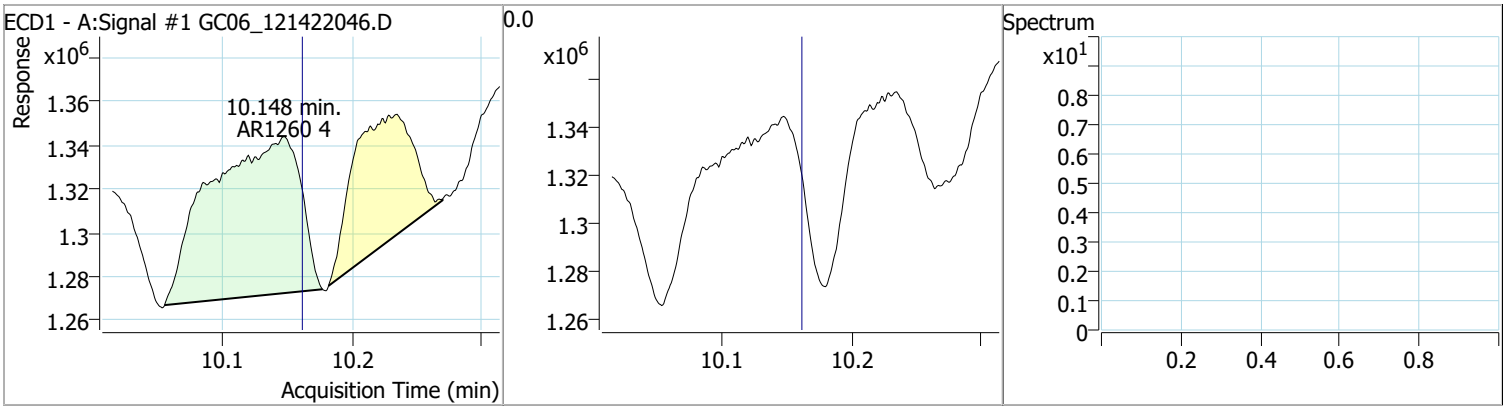
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	12.0490	9.62	-0.07	81987				



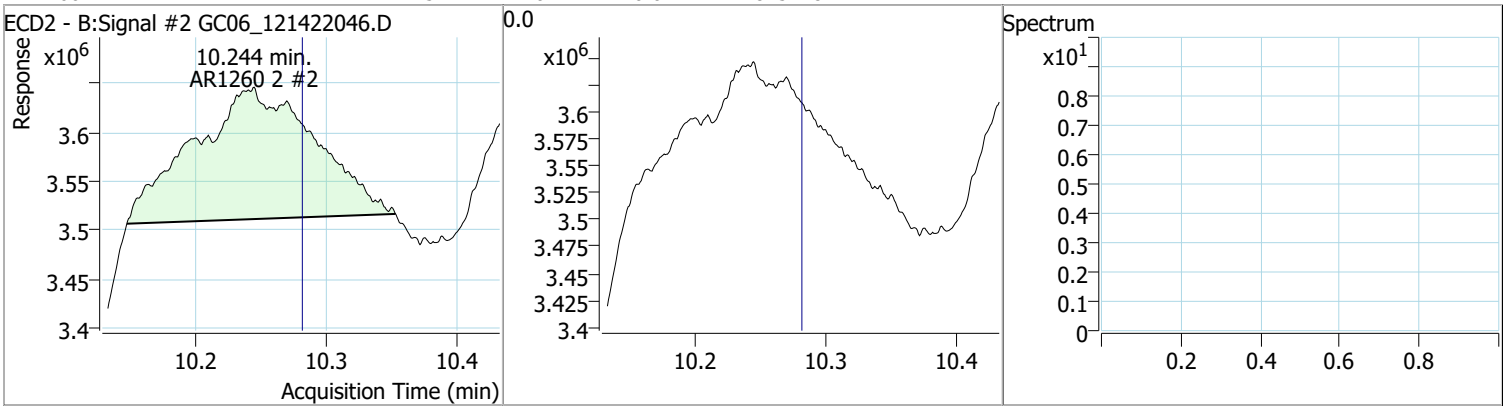
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	73.2019	9.98	-0.04	1283446				



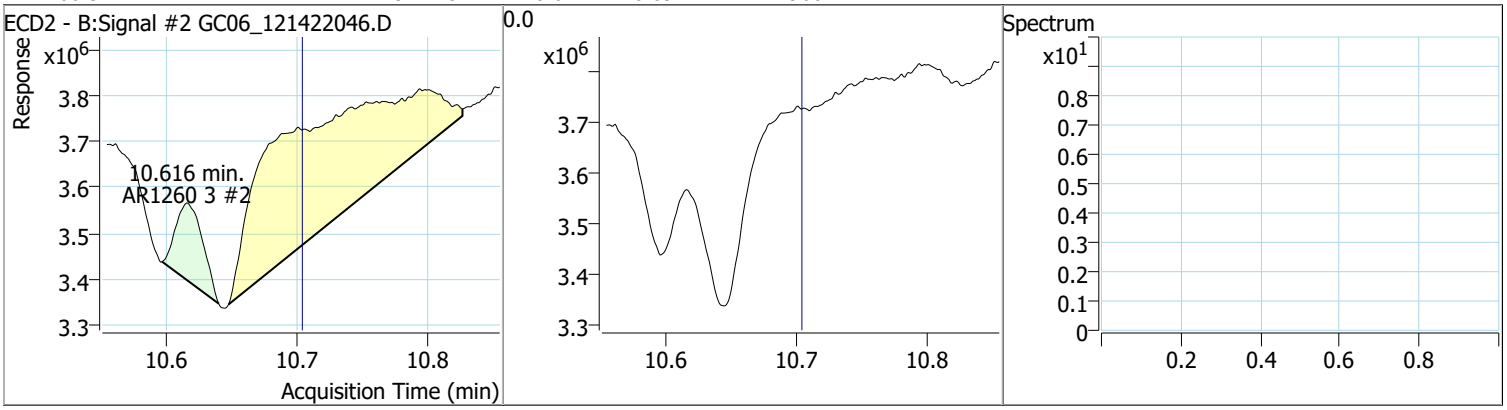
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	82.5657	10.15	-0.02	352227				



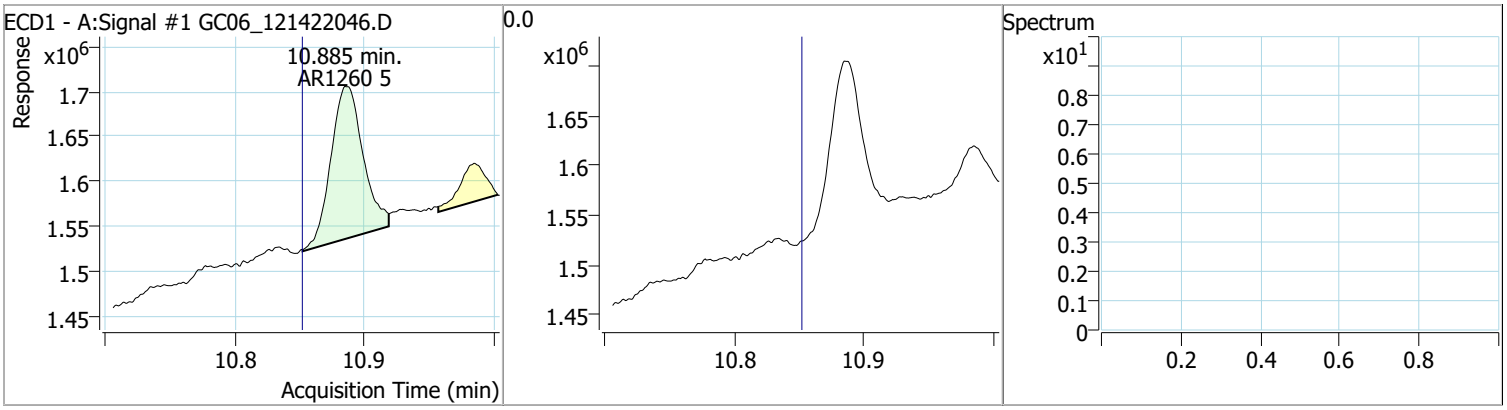
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	41.5441	10.24	-0.04	875178				



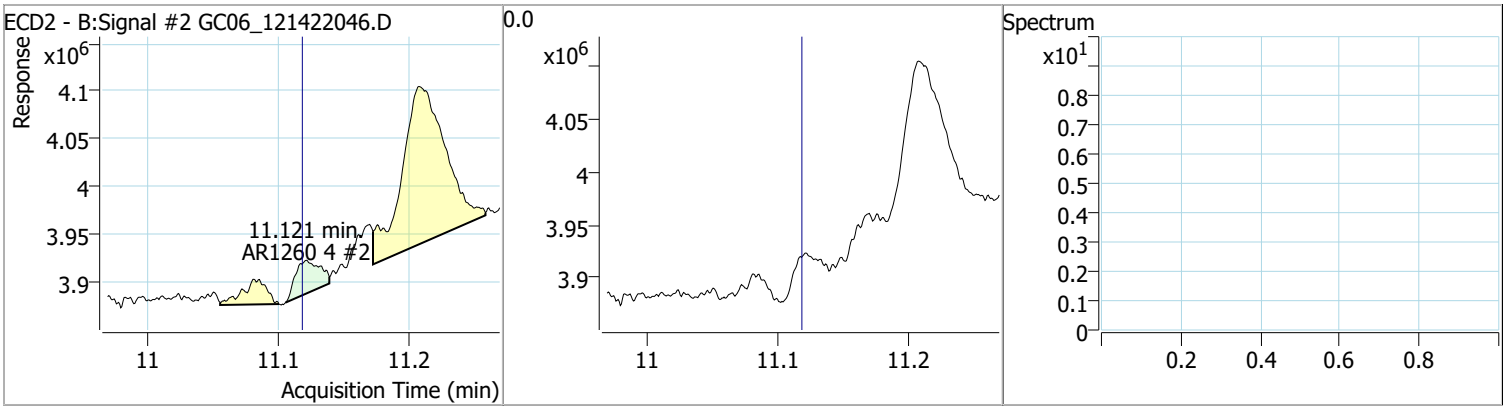
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	9.1115	10.62	-0.09	242960				



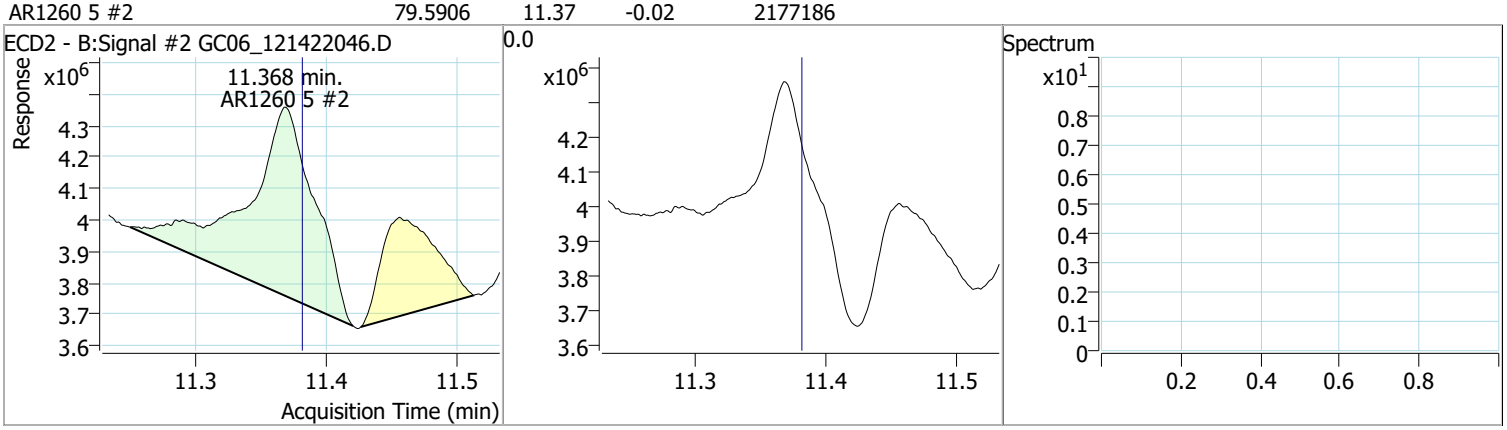
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	20.6454	10.89	0.03	293498				



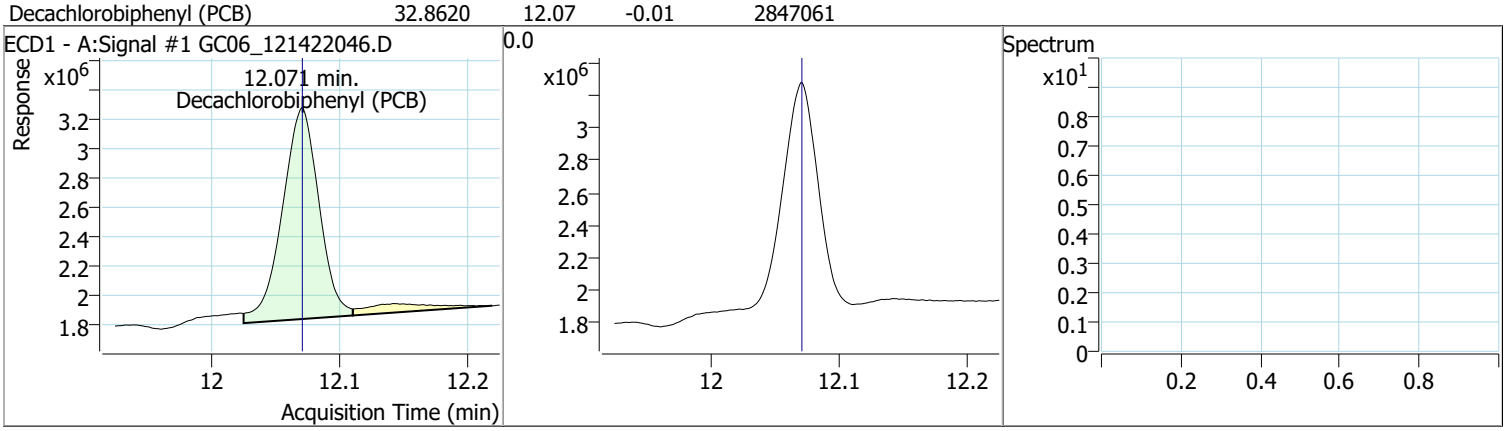
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.12	0.00	44616				



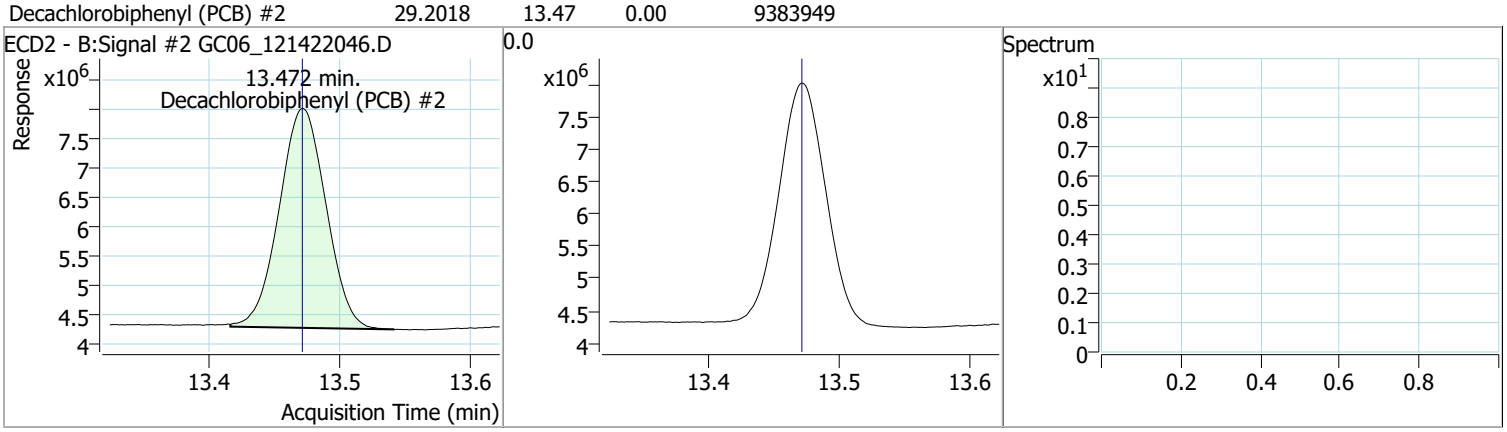
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	79.5906	11.37	-0.02	2177186				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	32.8620	12.07	-0.01	2847061				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	29.2018	13.47	0.00	9383949				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474711-006	Client ID:	20221209-2C-03-DUP
Seqnum:	452501809017	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422017	Batch:	303181	Time:	14-DEC-2022 16:58
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	84.19	~~1.7~~ FP	1.0	48%	0.50		x u
Aroclor-1016 Peak # 1	B	282.7	5.65	3.60	44%			
Aroclor-1016 Peak # 2	B	49.94	1.00	0.01	195%			
Aroclor-1016 Peak # 3	B	85.83	1.72	0.60	96%			
Aroclor-1016 Peak # 4	B	0.2221	0.00	0.01	27%			
Aroclor-1016 Peak # 5	B	2.306	0.05	0.92	181%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	29.02	~~0.58~~ FP	0.50	15%	0.50		x u
Aroclor-1260 Peak # 1	B	36.68	0.73	1.12	41%			
Aroclor-1260 Peak # 2	B	46.76	0.94	0.01	195%			
Aroclor-1260 Peak # 3	B	4.956	0.10	0.32	106%			
Aroclor-1260 Peak # 4	B	-22.43	ND	0.86	641%			
Aroclor-1260 Peak # 5	B	79.16	1.58	0.20	156%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	20.88	0.5000	0.4176	84	52-121	u
Decachlorobiphenyl (PCB)	B	20.55	0.5000	0.4110	82	50-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5307613	5246828	-1.15
1-bromo-2-nitrobenzene (PCB)	A	1103956	1119613	1.42

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

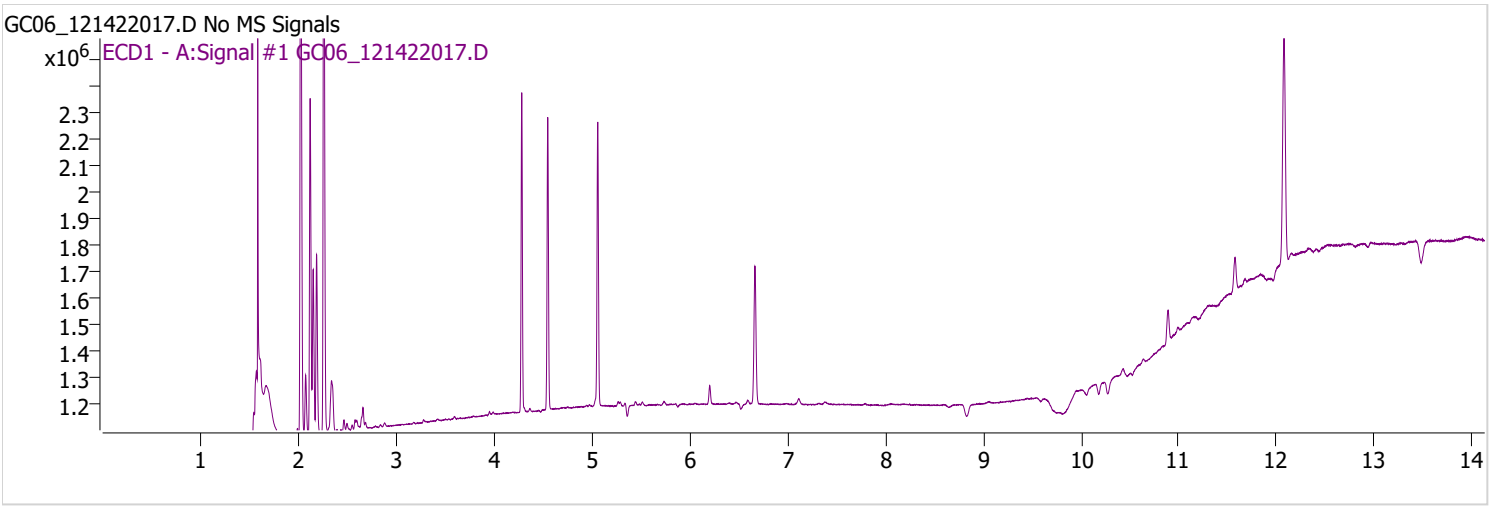
ISTD (CCV gc06_121422004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.28	-0.01

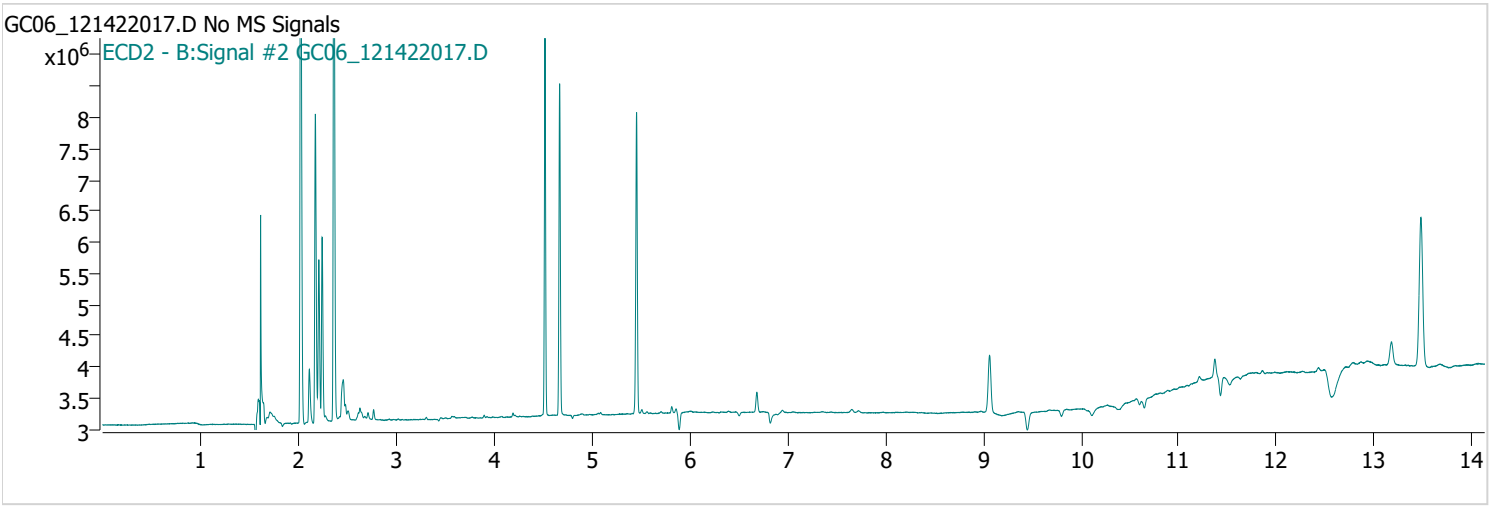
u=use x=false positive

Analyst: MES 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422017.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 4:58:03 PM
Sample Name	474711-006, 303181, 1	Instrument	SVOA-GC06
Vial	6	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



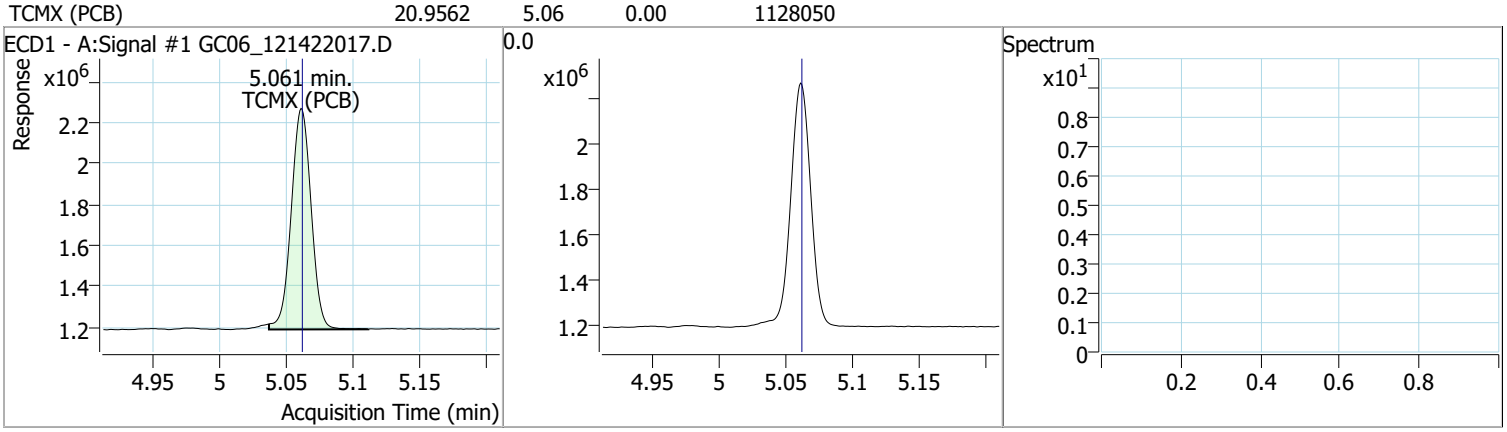


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	1119613.006	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	5246828.173	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.061	0.0	1128049.863	20.9562	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 104.78%		
S TCMX (PCB) #2	5.458	0.0	5261433.053	20.8807	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 104.40%		
S Decachlorobiphenyl (PCB)	12.076	0.0	1760638.694	21.6236	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 108.12%		
S Decachlorobiphenyl (PCB) #2	13.474	0.0	6048647.118	20.5516	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 102.76%		
Target Compounds						QValue

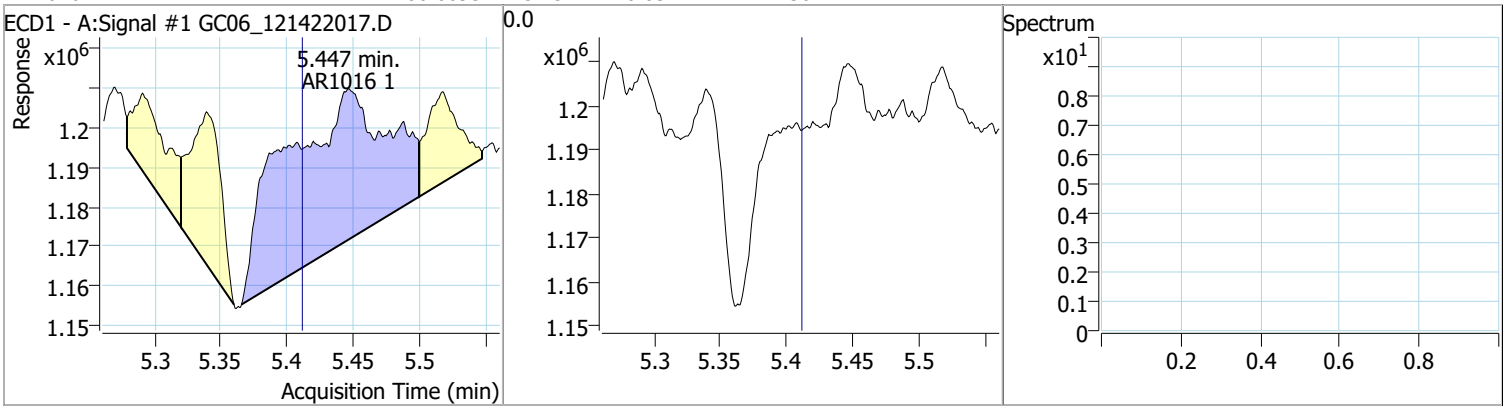
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.447	0.0	211300.953	180.0093	ng/ml	100
T AR1016 2	5.742	0.0	37429.434	0.6469	ng/ml	100
T AR1016 1 #2	6.018	0.0	1541401.618	282.6630	ng/ml	100
T AR1016 3	6.206	0.0	89987.579	30.2363	ng/ml	100
T AR1016 4	6.354	0.0	656.812	0.2902	ng/ml	100
T AR1016 2 #2	6.398	0.0	393158.560	49.9448	ng/ml	100
T AR1016 5	6.594	0.0	84153.716	46.1576	ng/ml	100
T AR1016 3 #2	6.949	0.0	1227727.593	85.8357	ng/ml	100
T AR1016 4 #2	7.145	0.0	2268.313	0.2221	ng/ml	100
T AR1016 5 #2	7.280	0.0	19140.287	2.3060	ng/ml	100
T AR1260 1	8.761	0.0	211240.396	55.8035	ng/ml	100
T AR1260 2	9.258	0.0	3381.488	0.5861	ng/ml	100
T AR1260 3	9.628	0.0	97796.140	16.2167	ng/ml	100
T AR1260 1 #2	10.021	0.0	572698.649	36.6774	ng/ml	100
T AR1260 4	10.152	0.0	185405.190	42.7681	ng/ml	100
T AR1260 2 #2	10.267	0.0	877223.709	46.7574	ng/ml	100
T AR1260 3 #2	10.618	0.0	117701.187	4.9564	ng/ml	100
T AR1260 5	10.891	0.0	187505.327	9.8296	ng/ml	100
T AR1260 4 #2	11.084	0.0	15963.328	0.0000	ng/ml	100
T AR1260 5 #2	11.368	0.0	1930513.272	79.1628	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

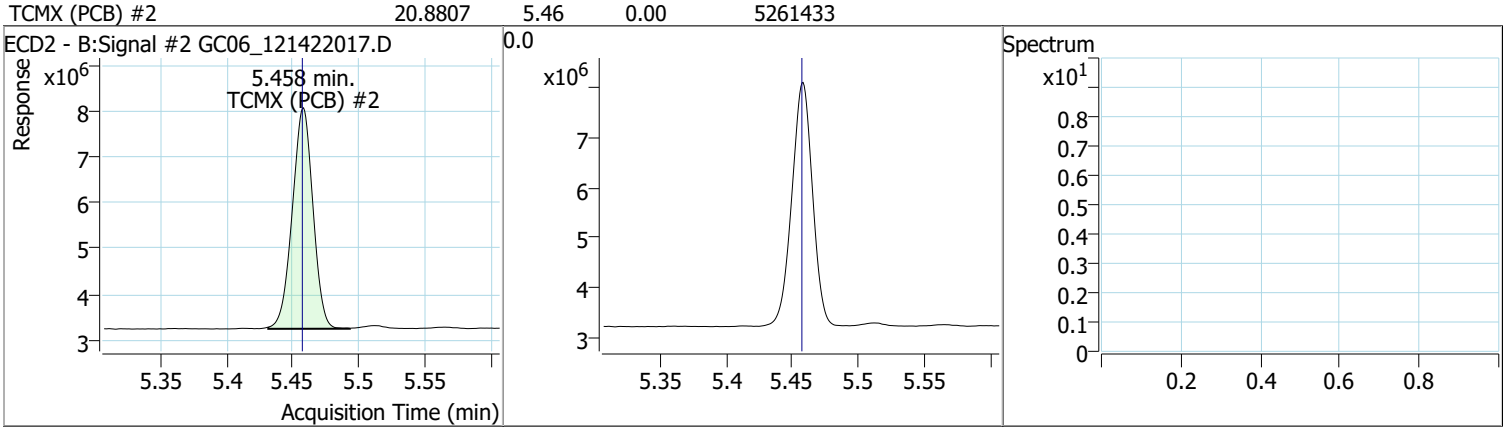
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	20.9562	5.06	0.00	1128050				



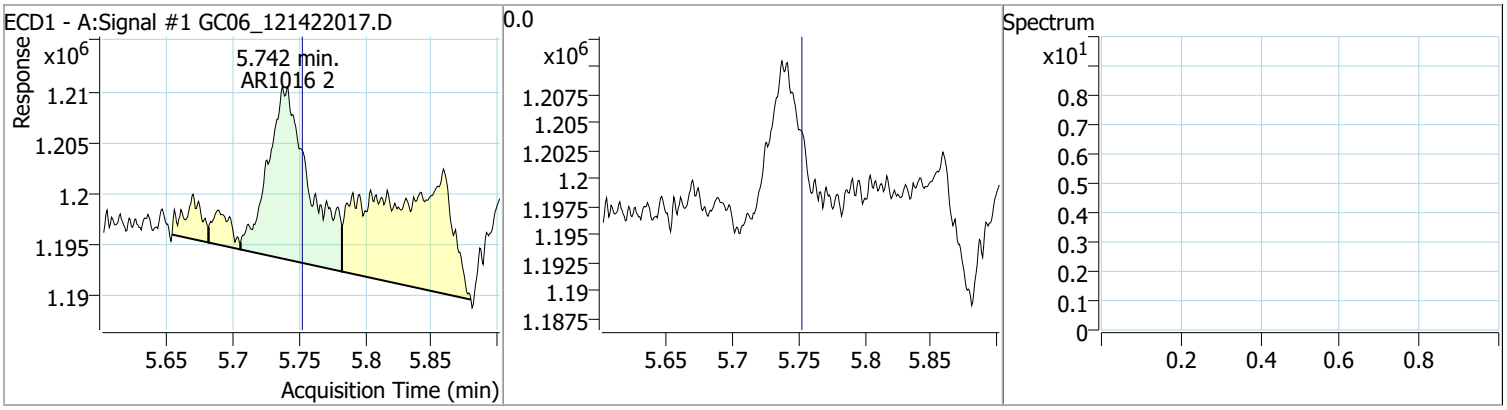
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	180.0093	5.45	0.03	211301				



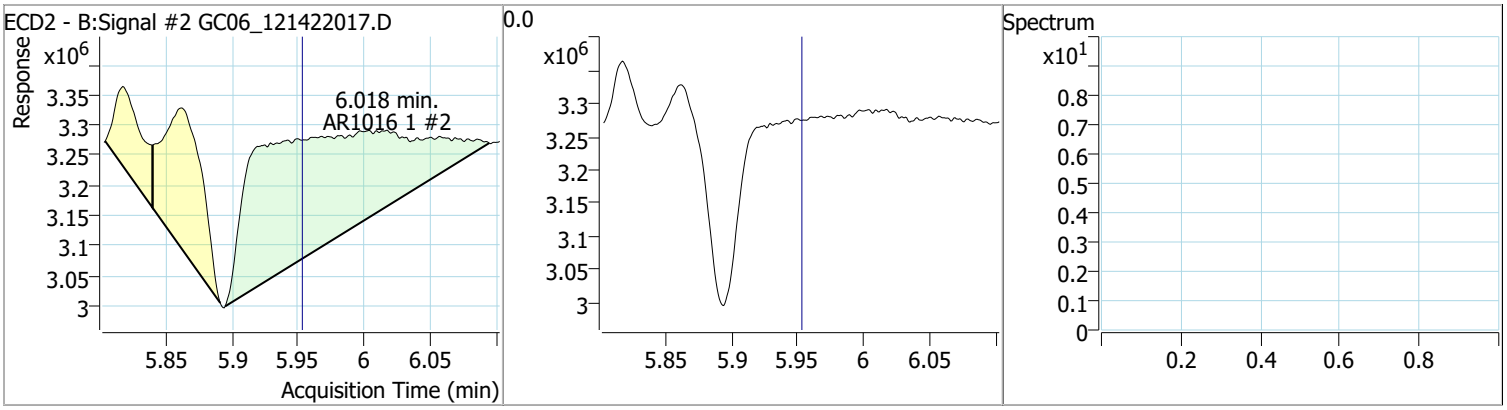
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	20.8807	5.46	0.00	5261433				



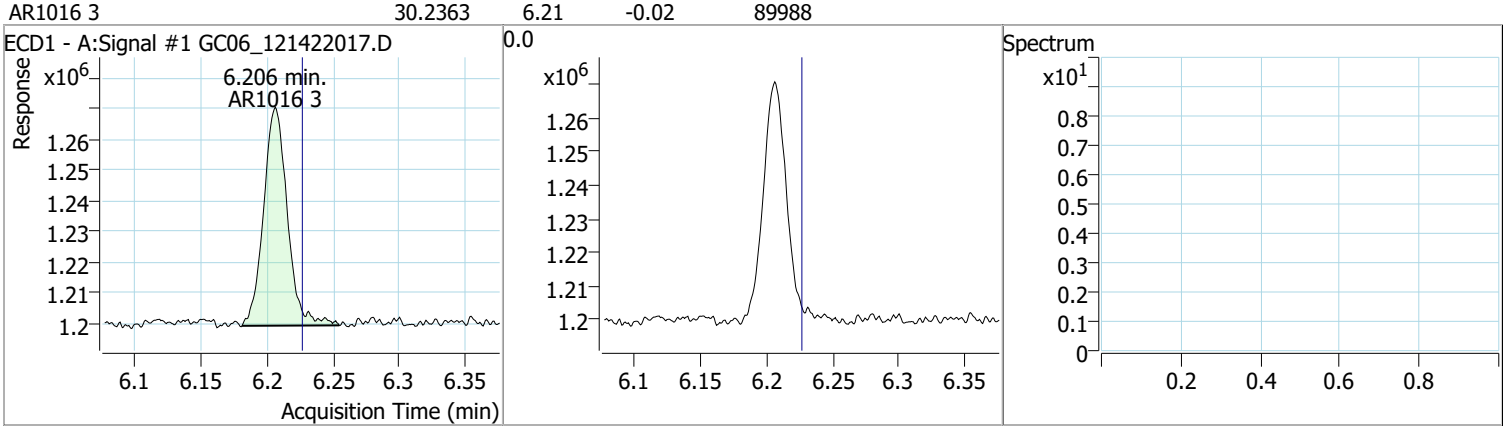
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.6469	5.74	-0.01	37429				



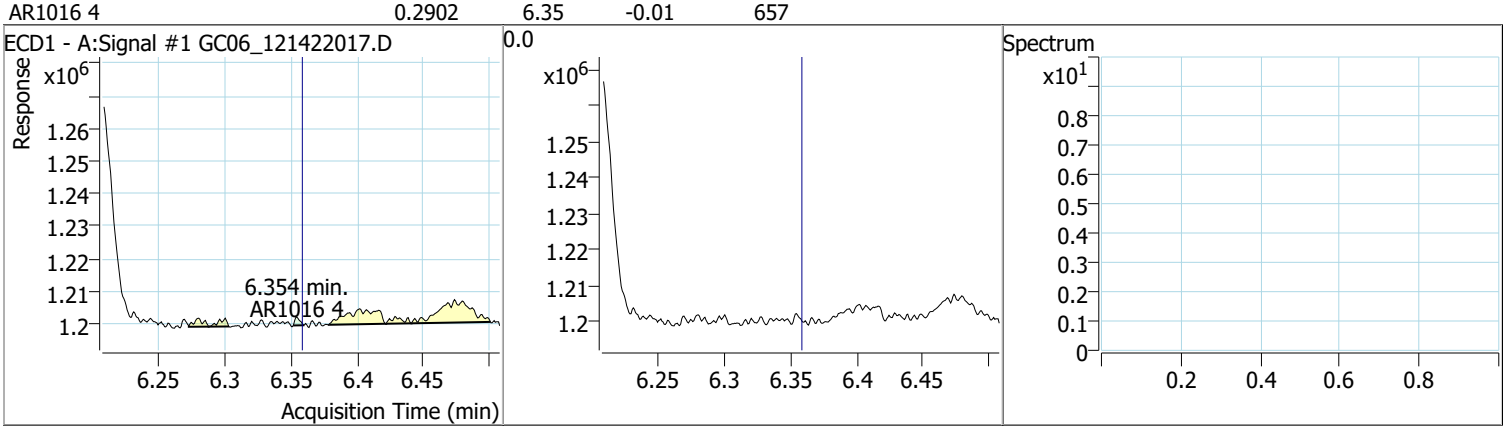
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	282.6630	6.02	0.06	1541402				



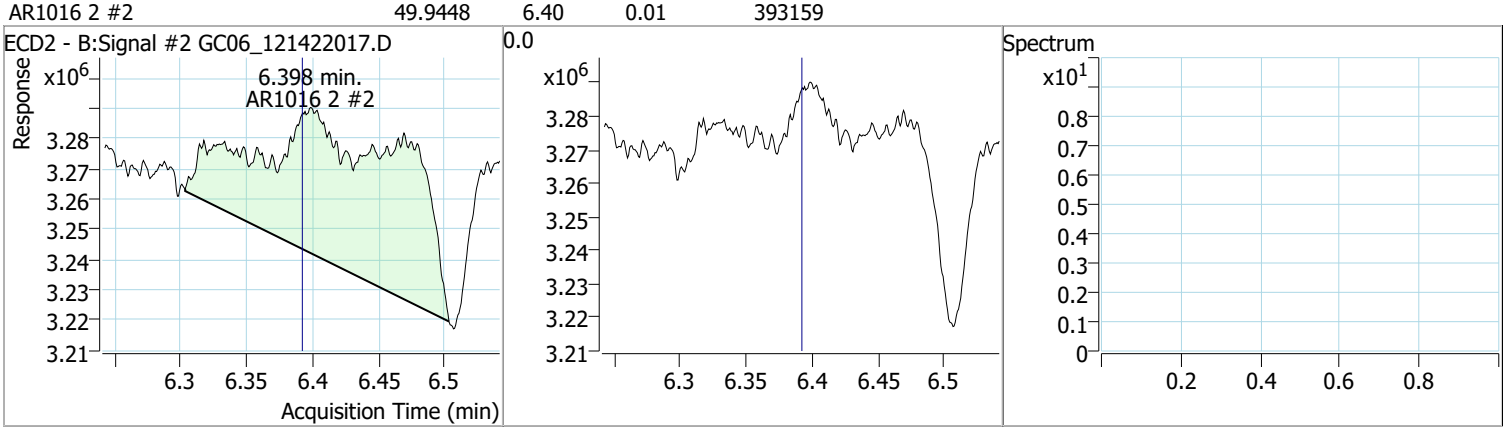
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	30.2363	6.21	-0.02	89988				



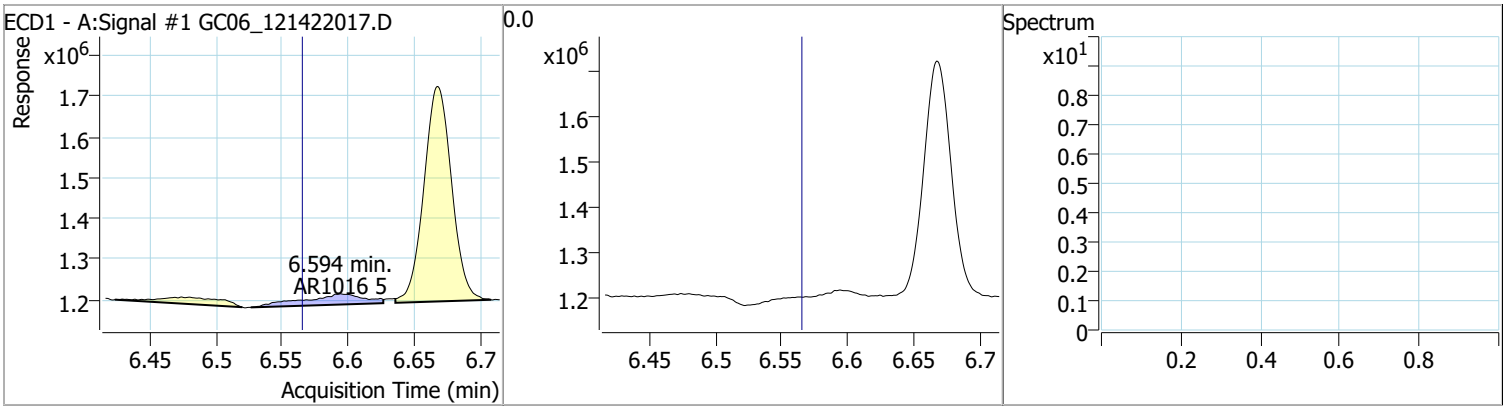
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.2902	6.35	-0.01	657				



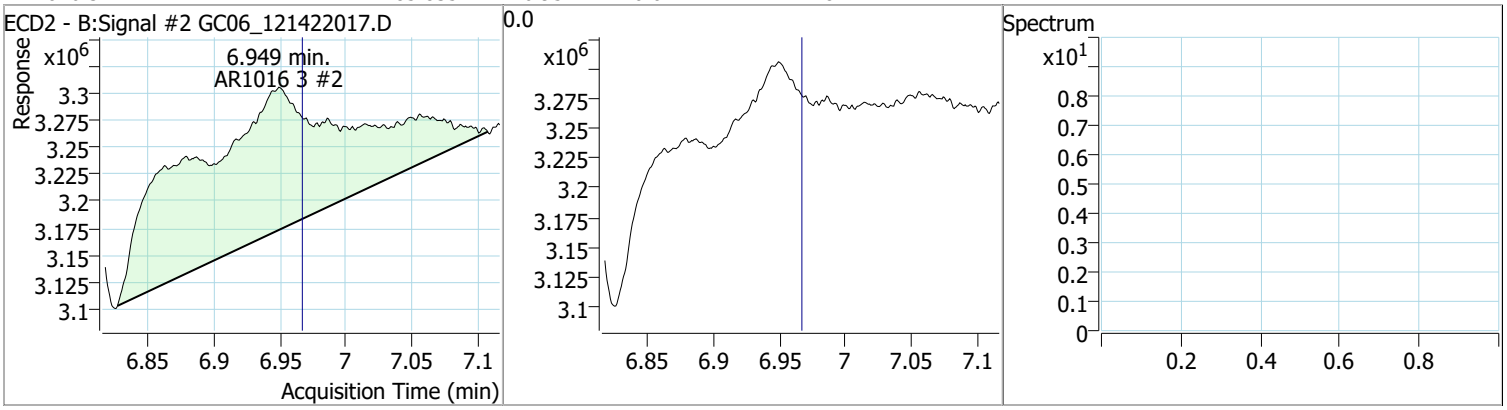
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	49.9448	6.40	0.01	393159				



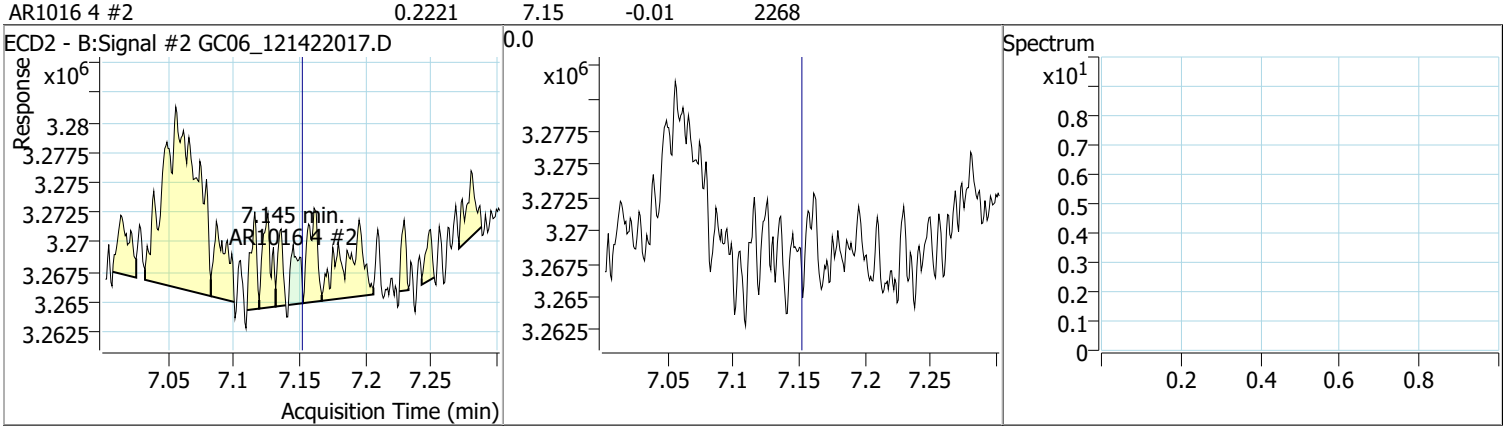
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	46.1576	6.59	0.03	84154				



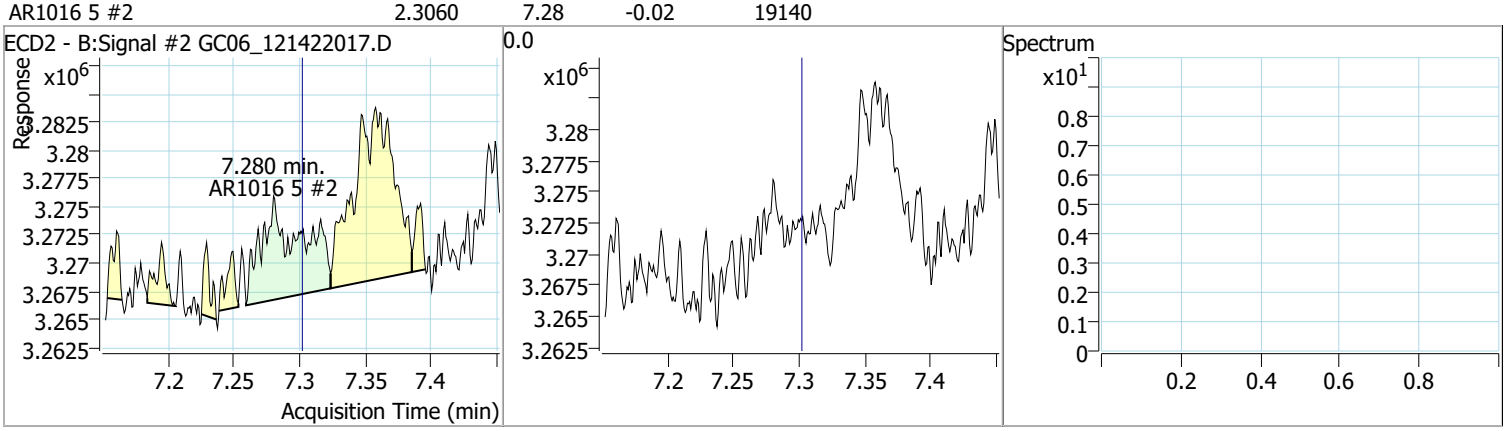
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	85.8357	6.95	-0.02	1227728				



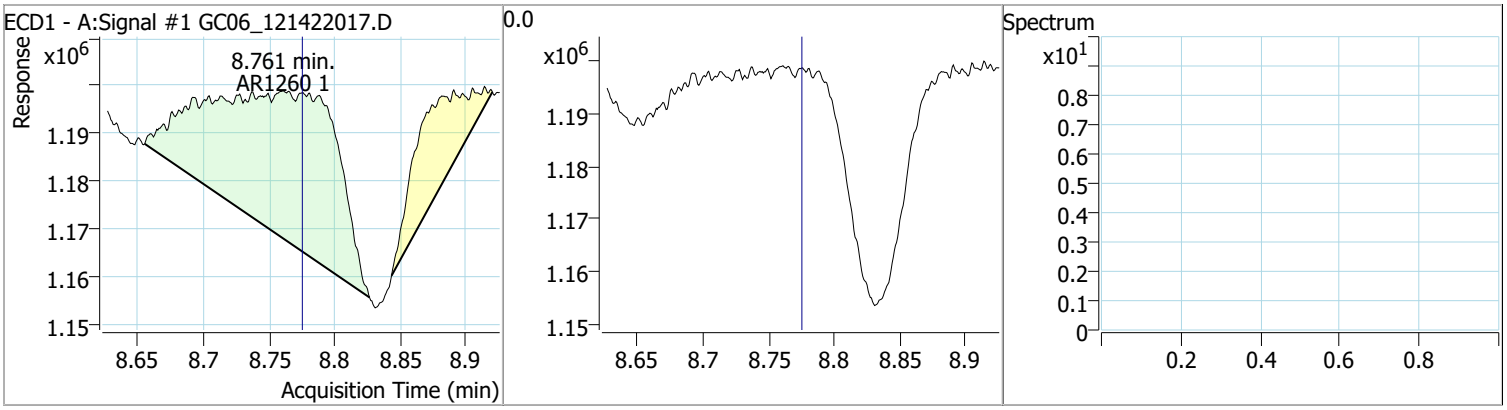
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.2221	7.15	-0.01	2268				



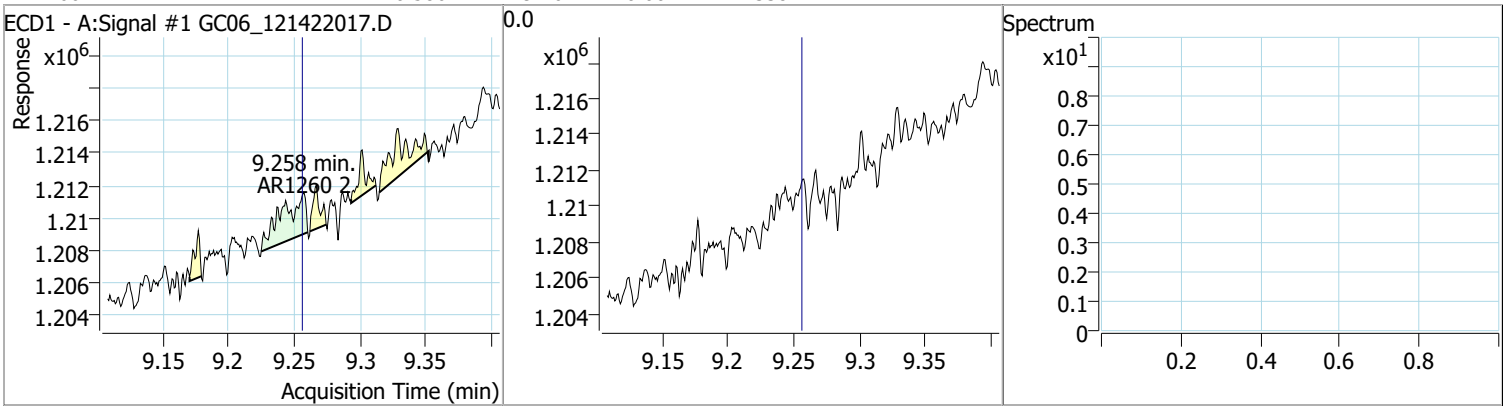
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.3060	7.28	-0.02	19140				



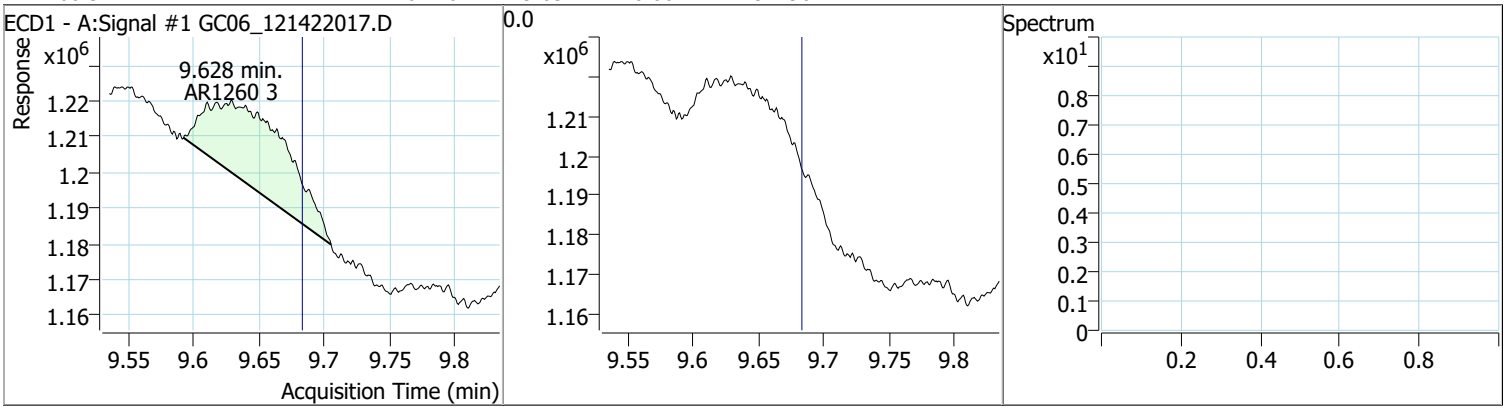
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	55.8035	8.76	-0.02	211240				



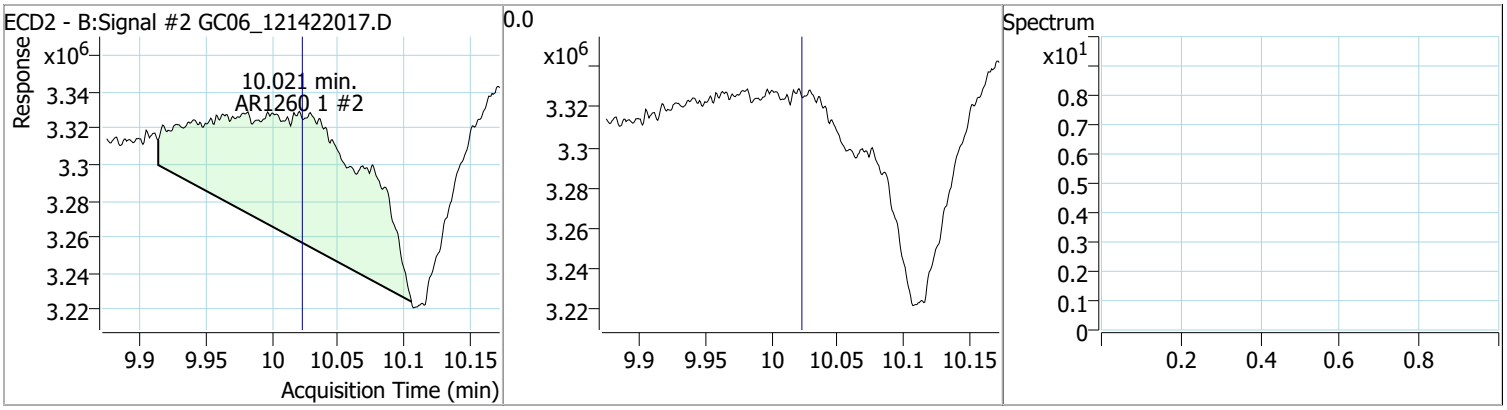
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.5861	9.26	0.00	3381				



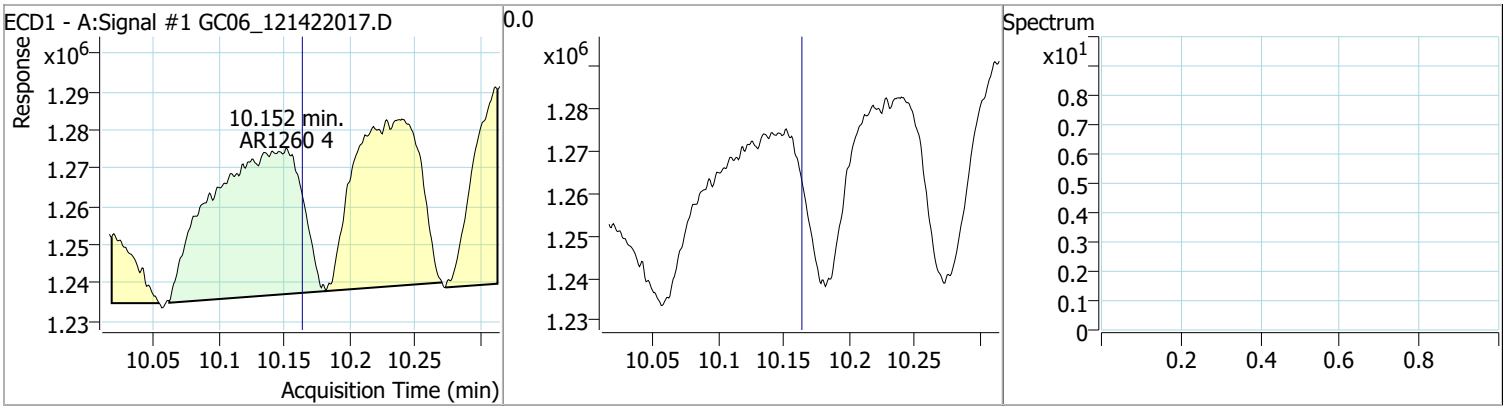
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	16.2167	9.63	-0.06	97796				



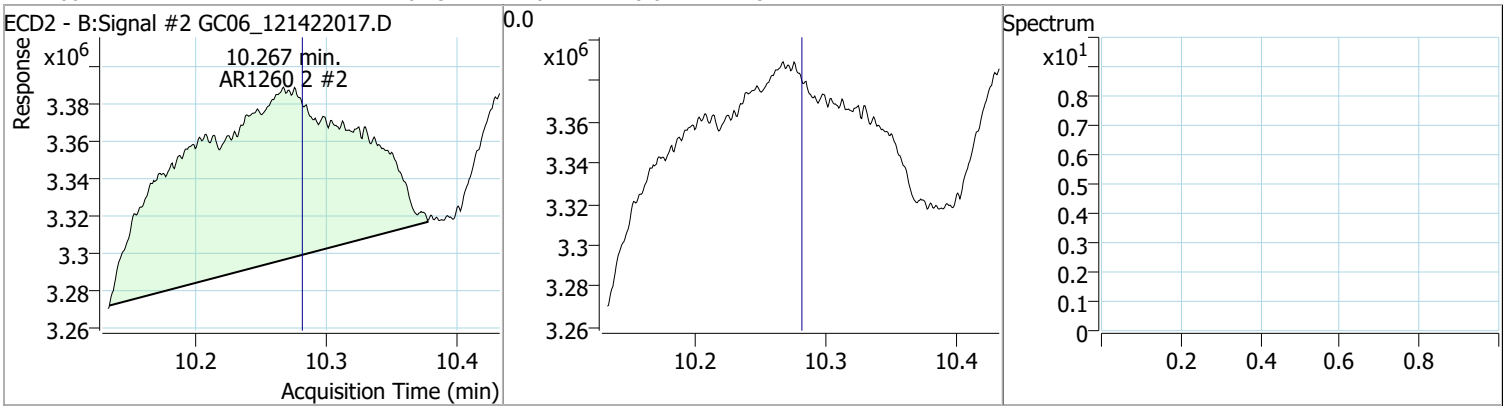
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	36.6774	10.02	0.00	572699				



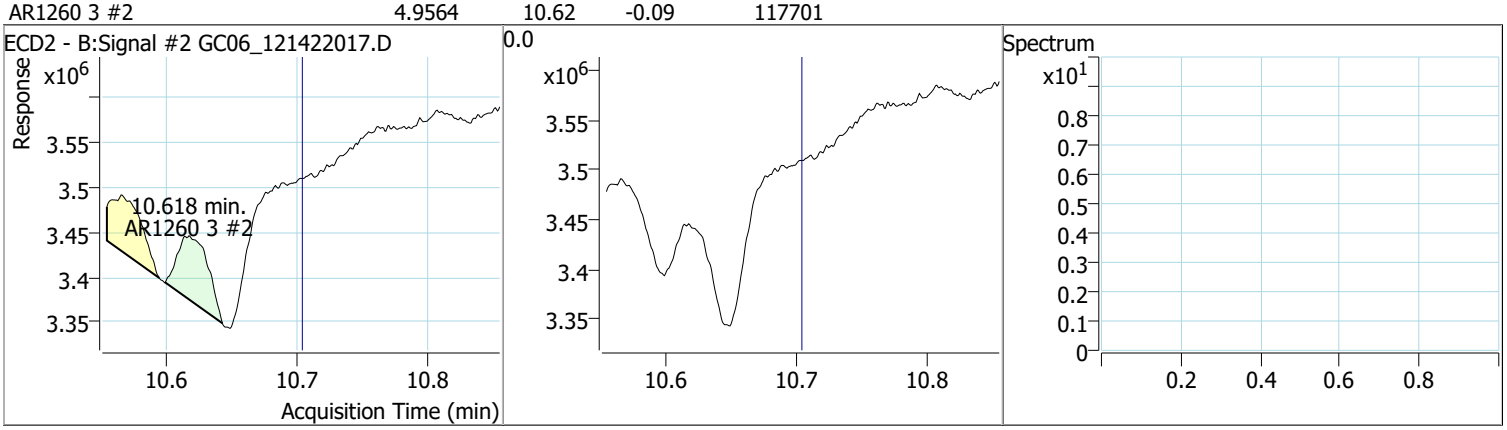
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	42.7681	10.15	-0.02	185405				



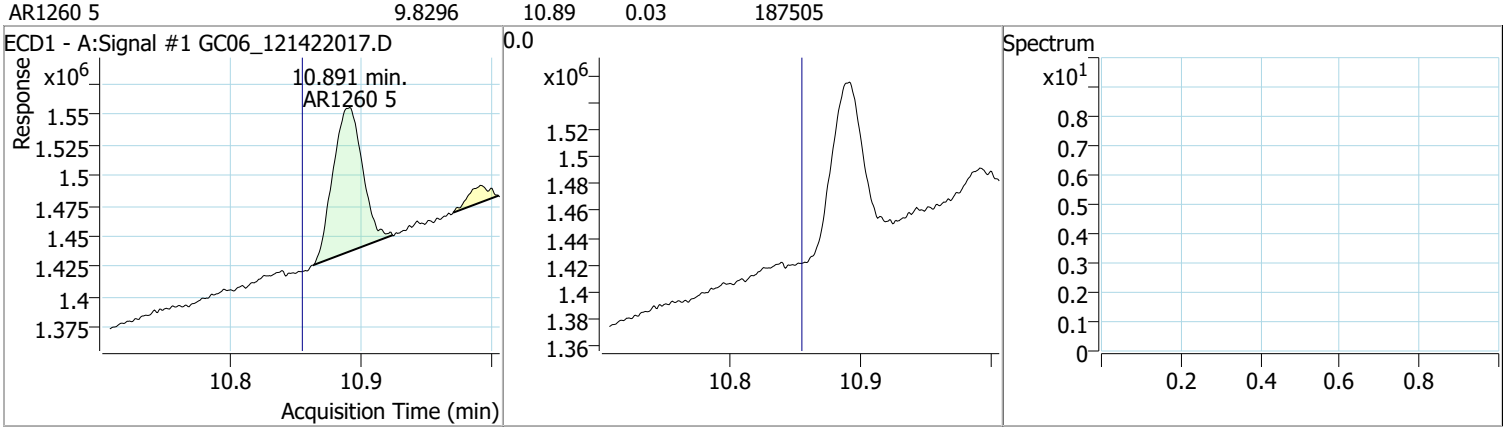
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	46.7574	10.27	-0.02	877224				



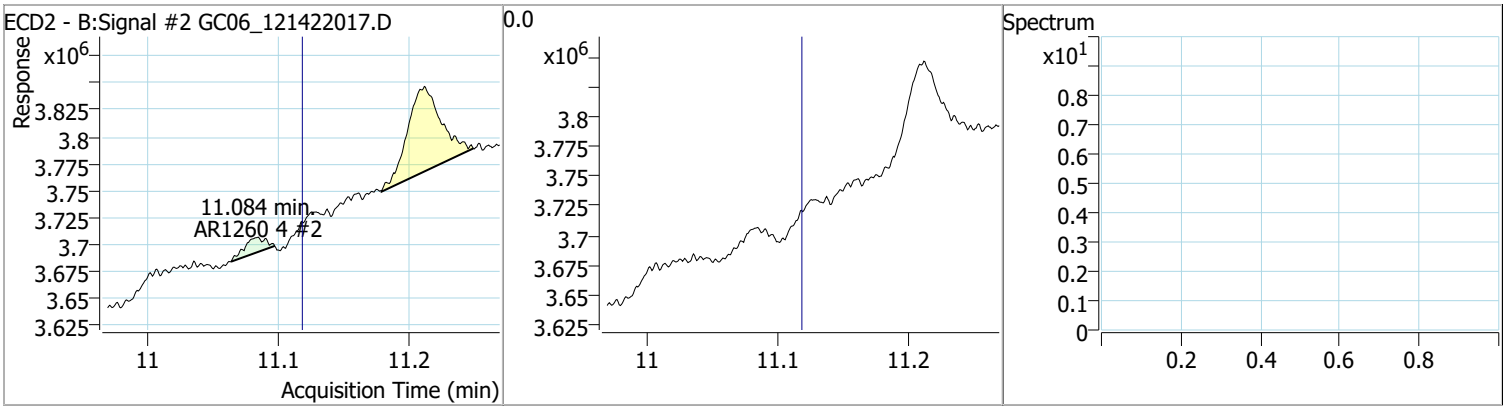
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	4.9564	10.62	-0.09	117701				



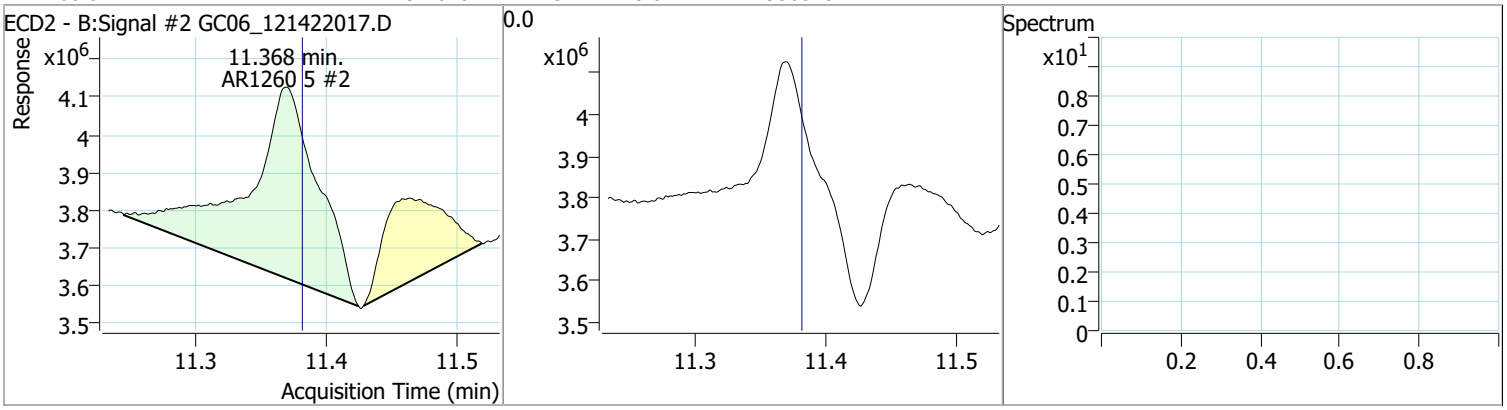
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	9.8296	10.89	0.03	187505				



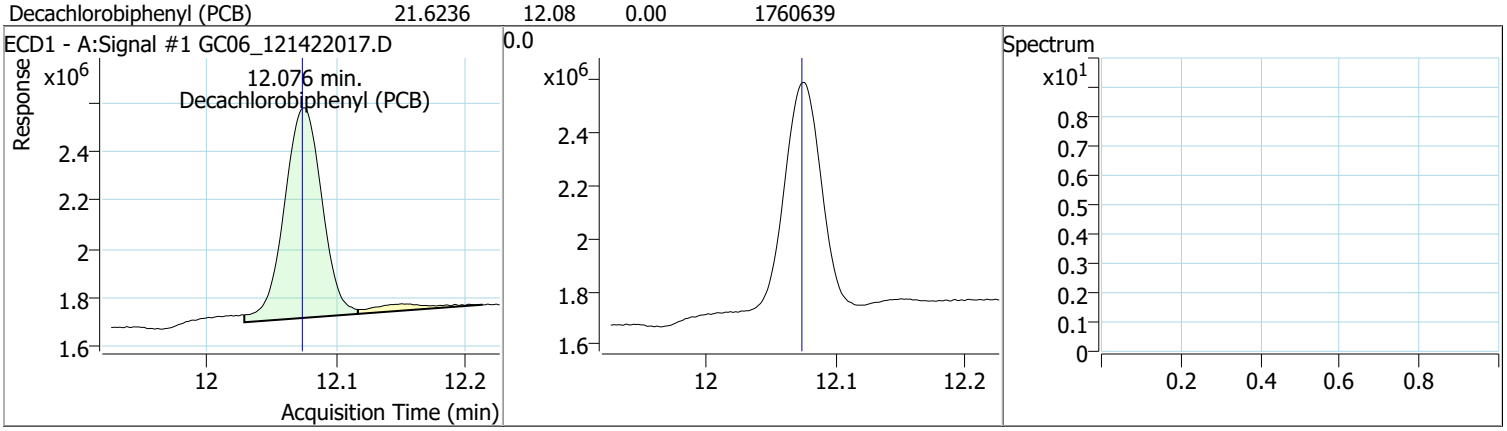
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.08	-0.04	15963				



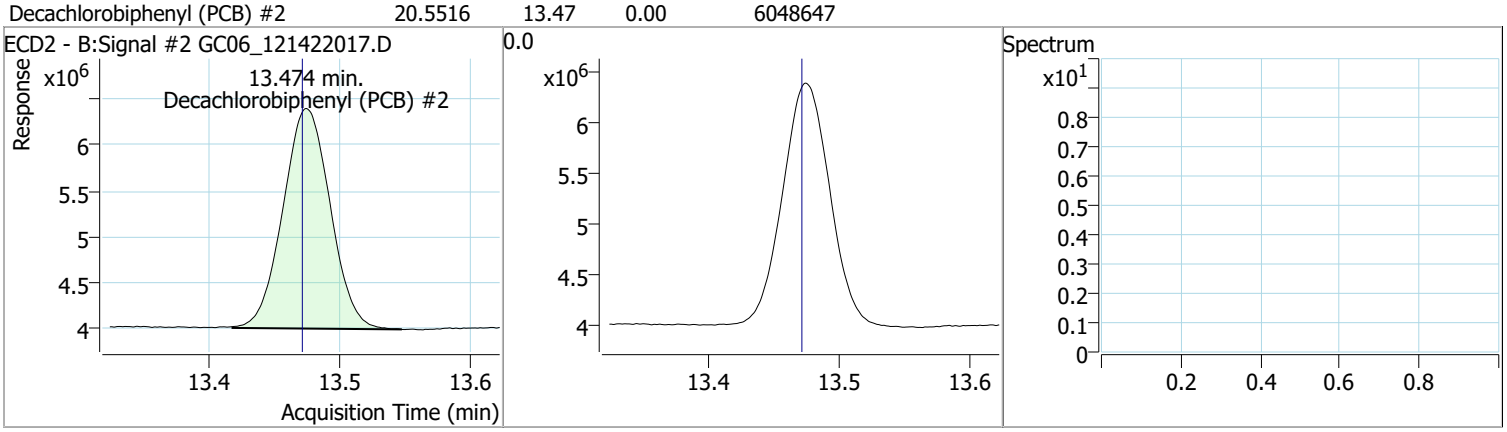
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	79.1628	11.37	-0.01	1930513				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	21.6236	12.08	0.00	1760639				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	20.5516	13.47	0.00	6048647				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474711-007	Client ID:	20221209-2C-04
Seqnum:	452501809047	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422047	Batch:	303182	Time:	15-DEC-2022 02:08
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	123.6	~~1.2~~ ~~FP~~	0.97	24%	0.50		x u
Aroclor-1016 Peak # 1	B	253.7	2.54	1.59	46%			
Aroclor-1016 Peak # 2	B	180.1	1.80	ND	221%			
Aroclor-1016 Peak # 3	B	156.2	1.56	0.98	46%			
Aroclor-1016 Peak # 4	B	1.775	0.02	1.71	196%			
Aroclor-1016 Peak # 5	B	25.99	0.26	0.66	87%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	28.74	ND	0.37	26%	0.50		u
Aroclor-1260 Peak # 1	B	81.98	0.82	0.96	15%			
Aroclor-1260 Peak # 2	B	32.90	0.33	0.00	195%			
Aroclor-1260 Peak # 3	B	7.796	0.08	0.14	59%			
Aroclor-1260 Peak # 4	B	-17.52	ND	0.63	355%			
Aroclor-1260 Peak # 5	B	38.54	0.39	0.13	100%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	36.82	0.5000	0.3682	74	19-121	u
Decachlorobiphenyl (PCB)	B	29.10	0.5000	0.2910	58	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422036)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5560467	5882410	5.79
1-bromo-2-nitrobenzene (PCB)	A	1170615	1265648	8.12

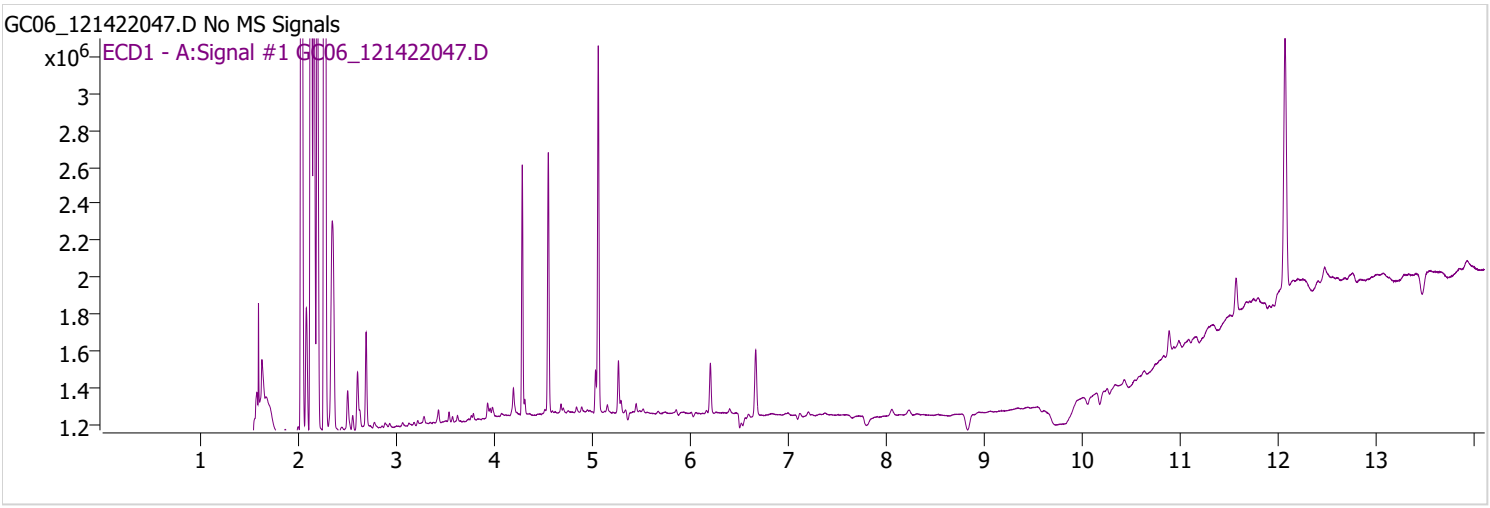
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

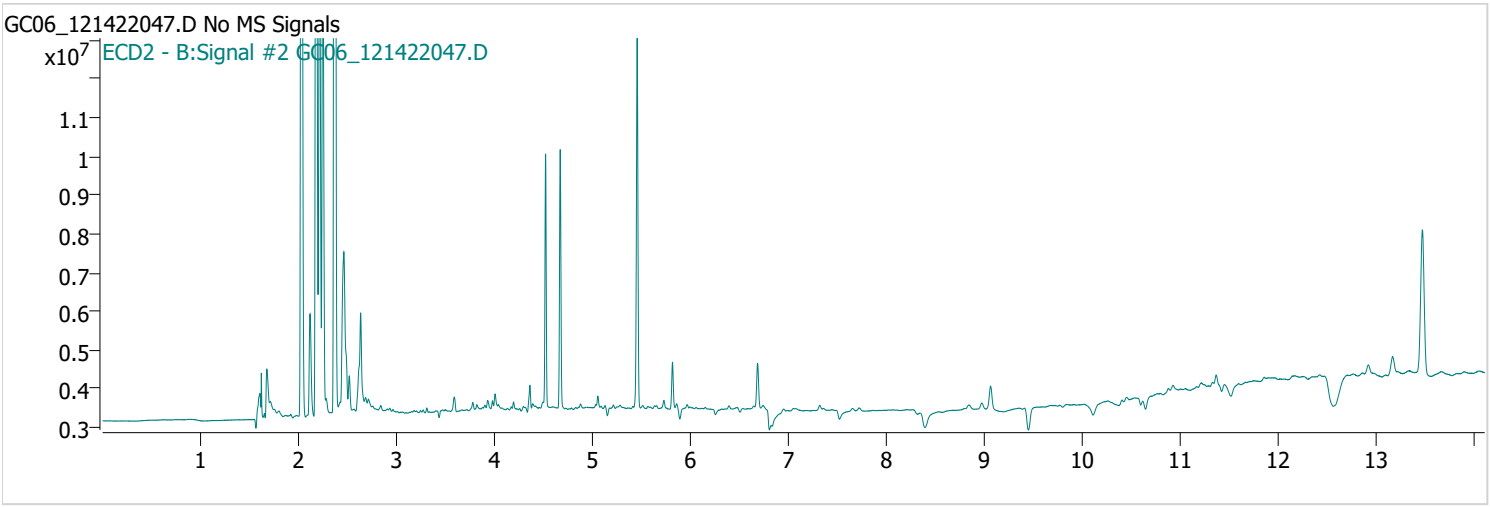
ISTD (CCV gc06_121422036)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

Analyst: MES 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422047.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 2:08:06 AM
Sample Name	474711-007, 303182, 1	Instrument	SVOA-GC06
Vial	30	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



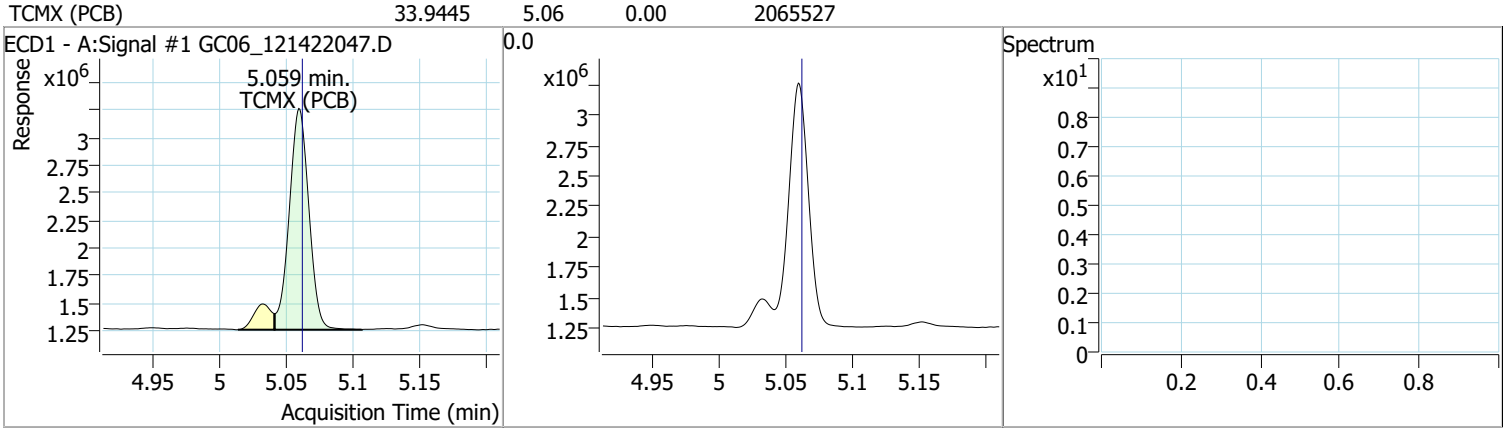


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	1265648.134	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	5882410.100	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.059	0.0	2065526.645	33.9445	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 169.72%		*	
S TCMX (PCB) #2	5.457	0.0	10400400.834	36.8156	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 184.08%		*	
S Decachlorobiphenyl (PCB)	12.069	0.0	2835079.768	32.6364	ng/ml		-0.009
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 163.18%		*	
S Decachlorobiphenyl (PCB) #2	13.471	0.0	9339722.614	29.1022	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 145.51%			
Target Compounds							QValue

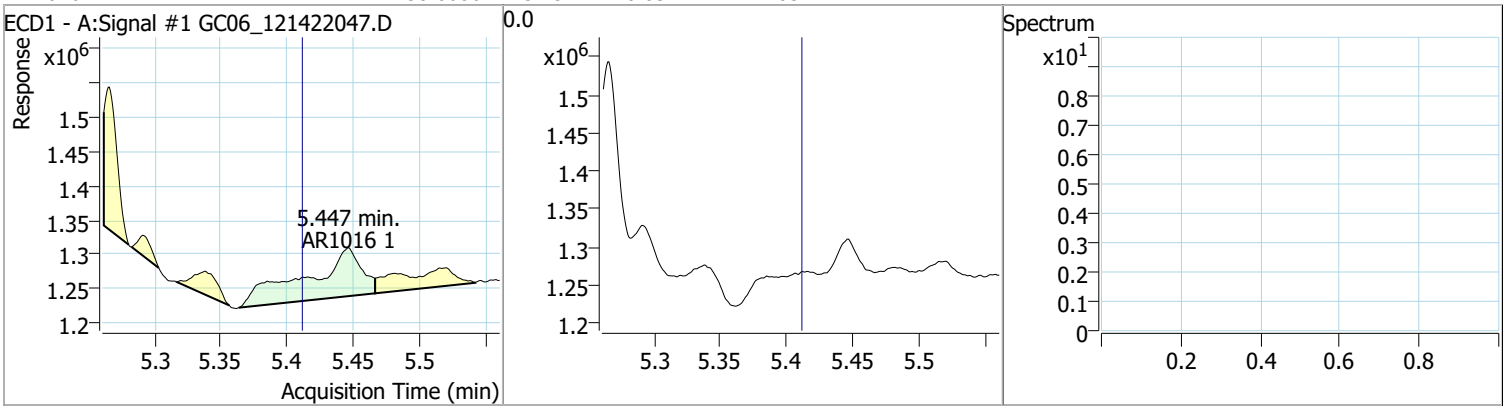
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.447	0.0	210543.900	158.6686	ng/ml	100
T AR1016 2	5.748	0.0	17220.934	0.0000	ng/ml	100
T AR1016 1 #2	5.968	0.0	1550828.286	253.6638	ng/ml	100
T AR1016 3	6.203	0.0	330132.079	98.1270	ng/ml	100
T AR1016 4	6.400	0.0	438611.988	171.4144	ng/ml	100
T AR1016 2 #2	6.393	0.0	1589782.608	180.1366	ng/ml	100
T AR1016 5	6.463	0.0	136303.825	66.1352	ng/ml	100
T AR1016 3 #2	7.055	0.0	2505499.217	156.2434	ng/ml	100
T AR1016 4 #2	7.187	0.0	20321.952	1.7751	ng/ml	100
T AR1016 5 #2	7.320	0.0	241878.994	25.9929	ng/ml	100
T AR1260 1	8.763	0.0	408729.101	95.5157	ng/ml	100
T AR1260 2	9.175	0.0	2763.625	0.4237	ng/ml	100
T AR1260 3	9.603	0.0	97729.279	14.3358	ng/ml	100
T AR1260 1 #2	10.022	0.0	1435233.928	81.9854	ng/ml	100
T AR1260 4	10.146	0.0	281645.123	62.7803	ng/ml	100
T AR1260 2 #2	10.260	0.0	691921.558	32.8957	ng/ml	100
T AR1260 3 #2	10.617	0.0	207572.024	7.7964	ng/ml	100
T AR1260 5	10.887	0.0	235452.260	12.9248	ng/ml	100
T AR1260 4 #2	11.168	0.0	89555.417	0.0000	ng/ml	100
T AR1260 5 #2	11.366	0.0	1265678.531	38.5455	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

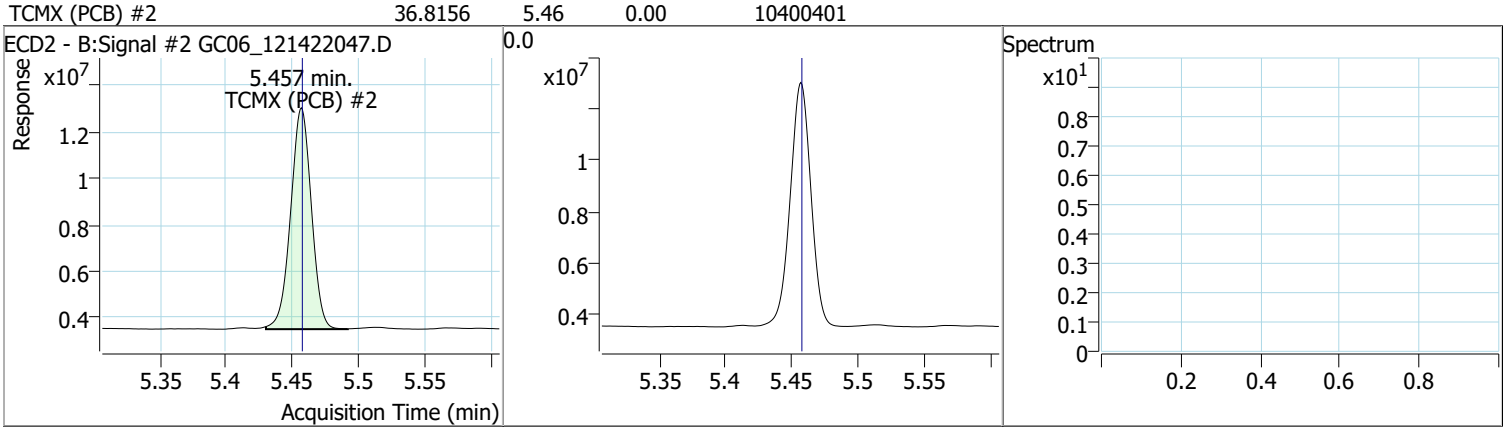
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	33.9445	5.06	0.00	2065527				



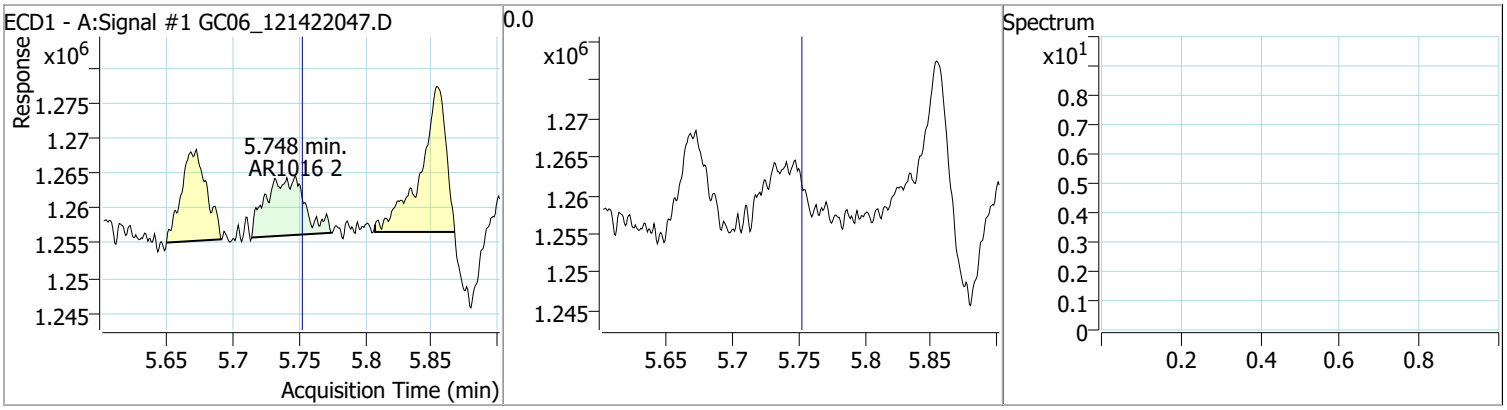
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	158.6686	5.45	0.03	210544				



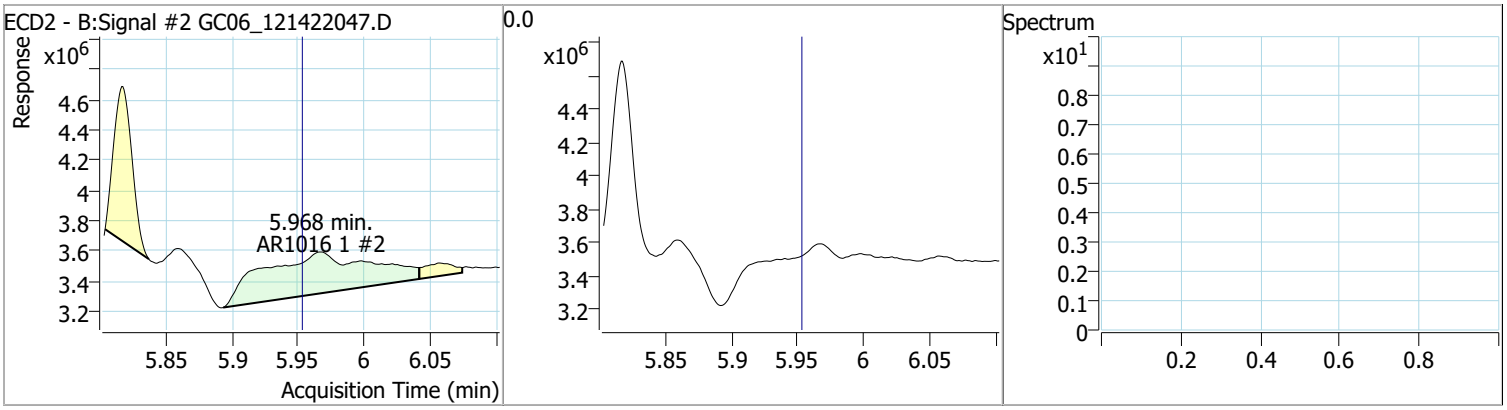
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.8156	5.46	0.00	10400401				



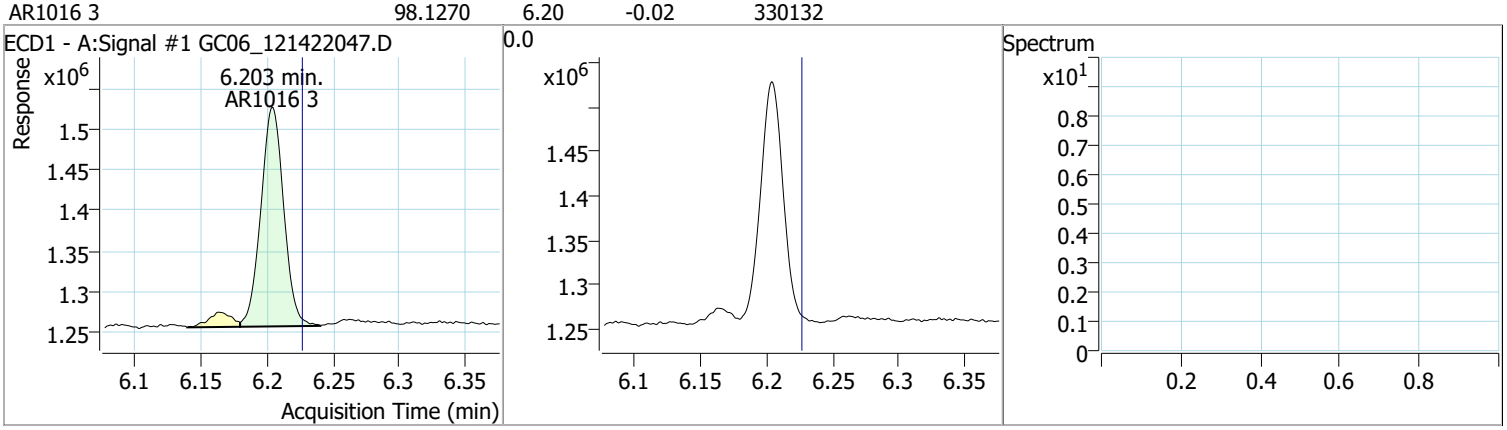
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.75	-0.01	17221				



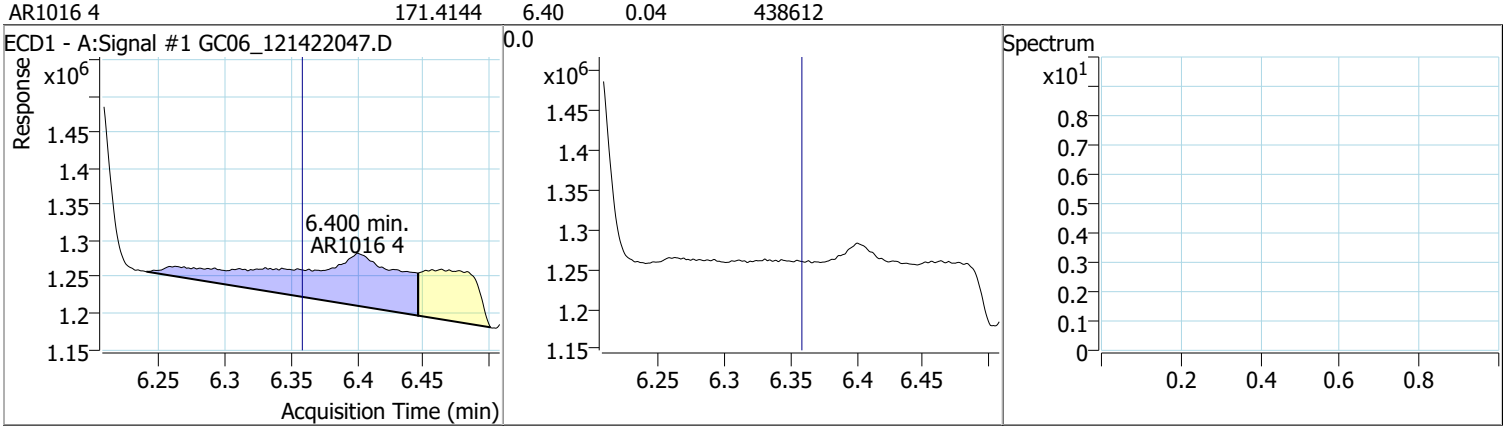
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	253.6638	5.97	0.01	1550828				



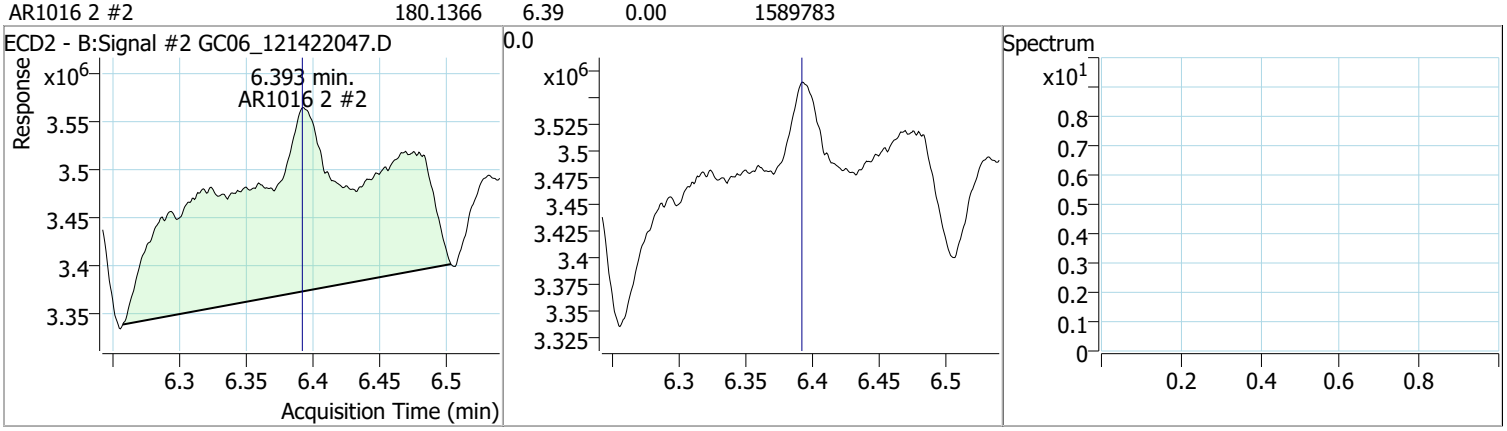
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	98.1270	6.20	-0.02	330132				



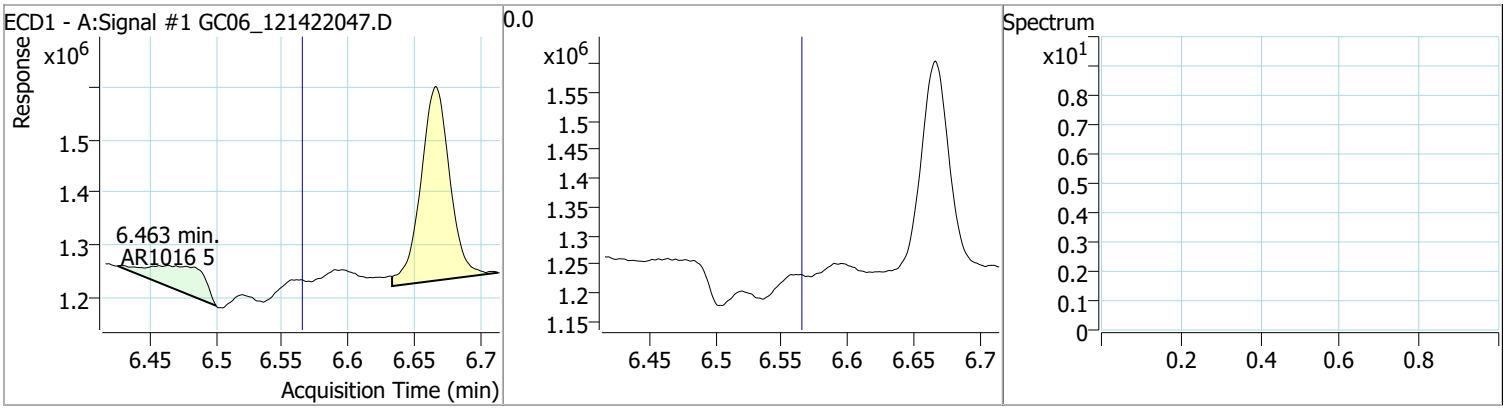
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	171.4144	6.40	0.04	438612				



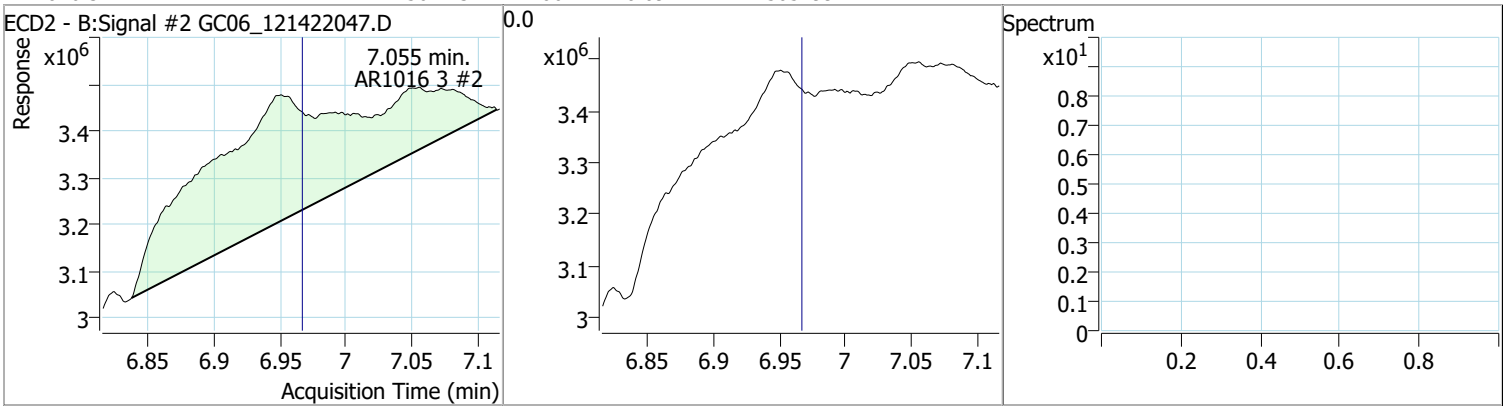
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	180.1366	6.39	0.00	1589783				



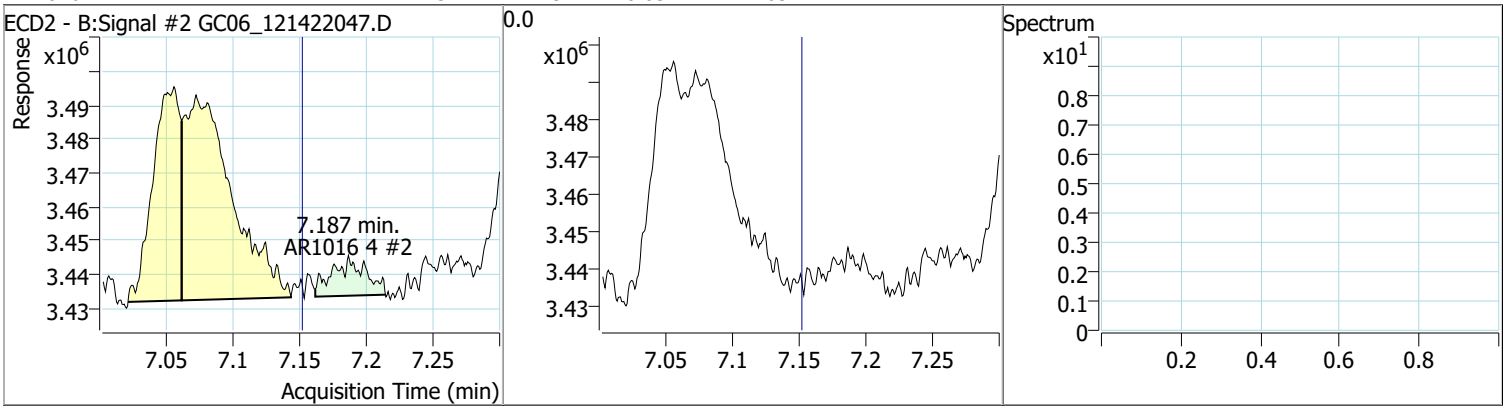
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	66.1352	6.46	-0.10	136304				



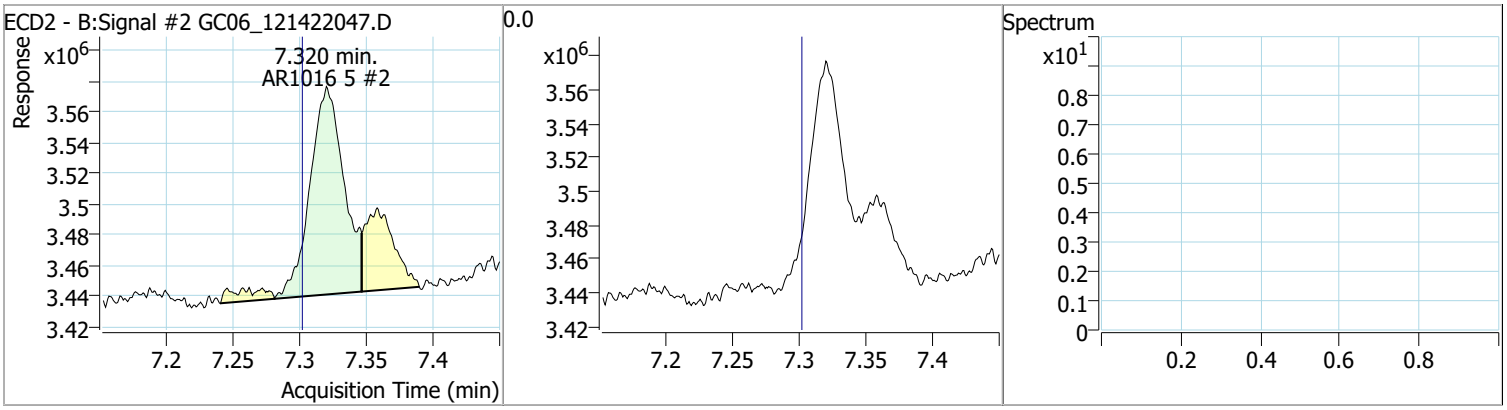
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	156.2434	7.06	0.09	2505499				



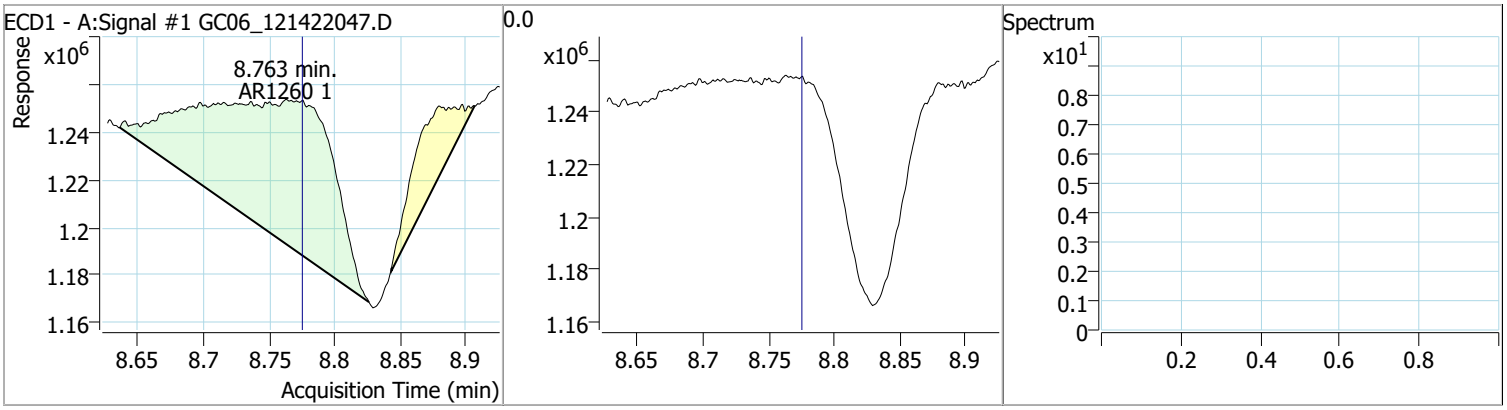
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.7751	7.19	0.03	20322				



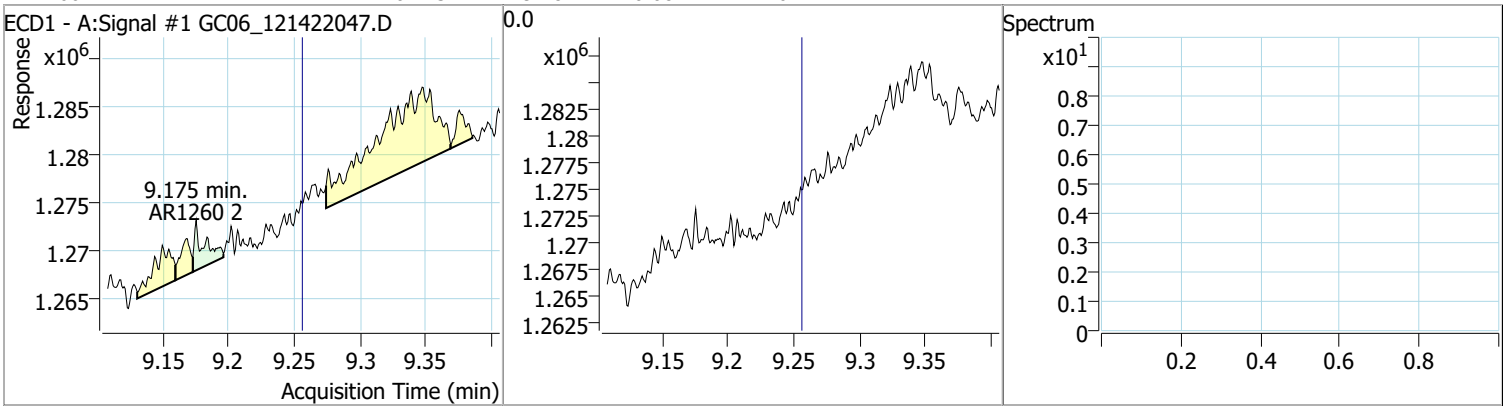
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	25.9929	7.32	0.02	241879				



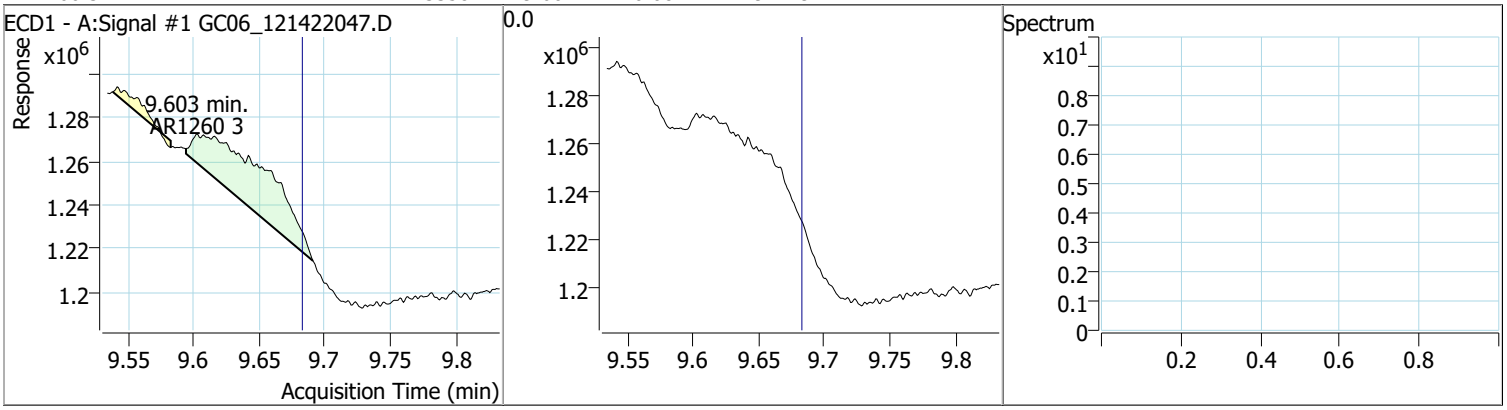
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	95.5157	8.76	-0.02	408729				



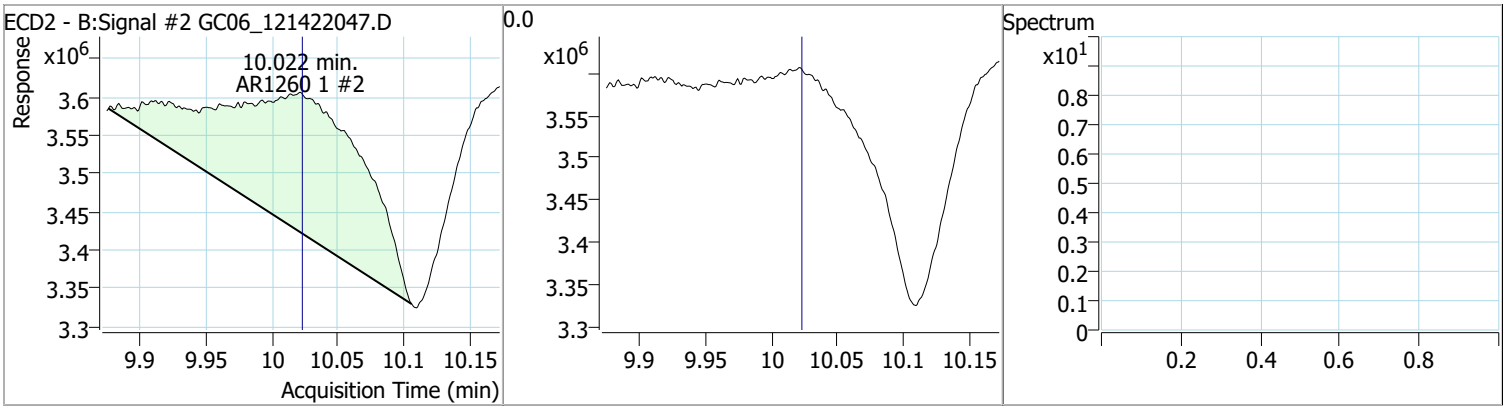
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.4237	9.18	-0.08	2764				



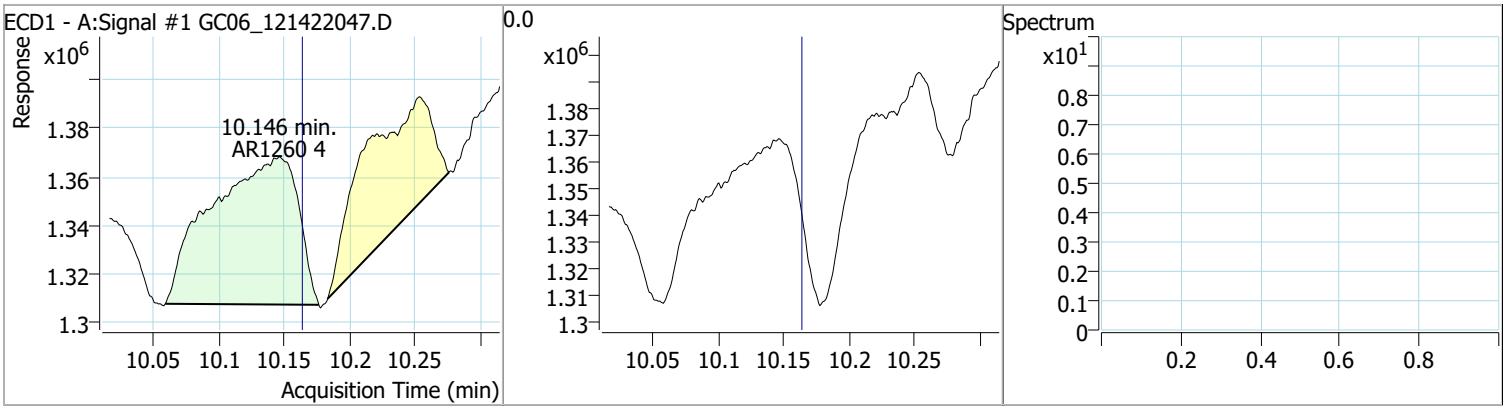
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	14.3358	9.60	-0.08	97729				



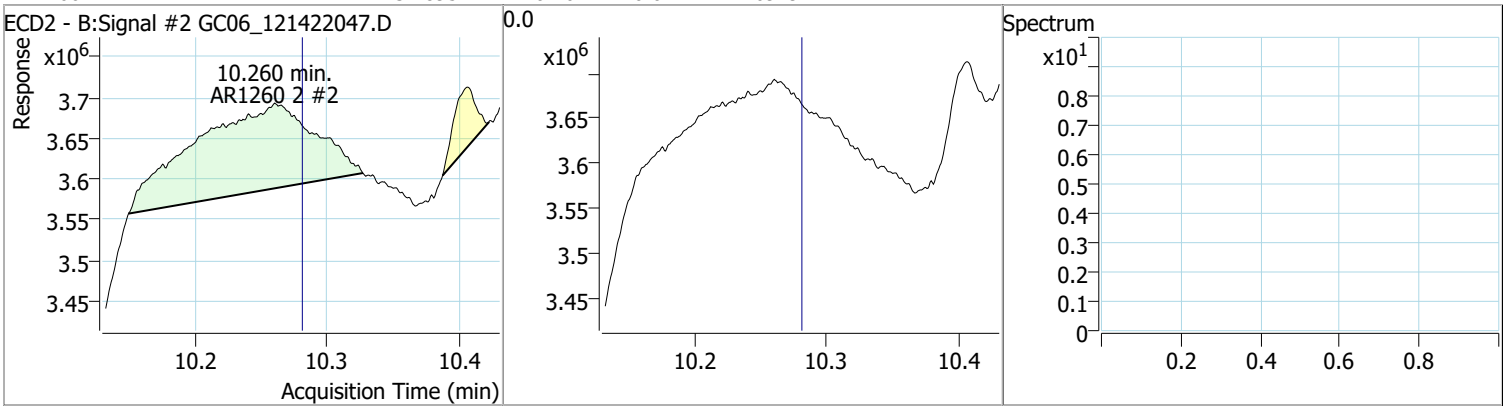
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	81.9854	10.02	0.00	1435234				



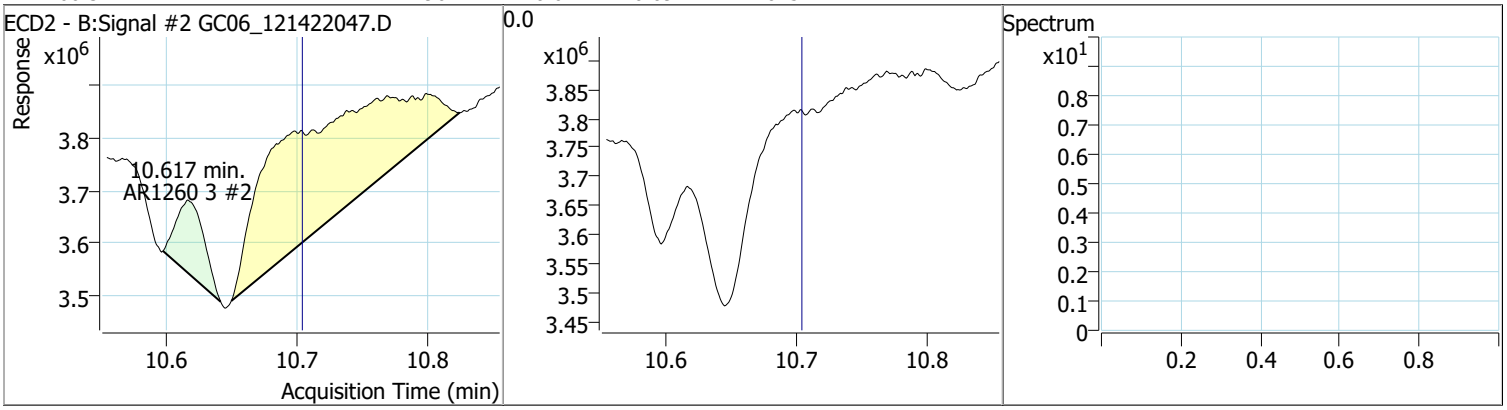
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	62.7803	10.15	-0.02	281645				



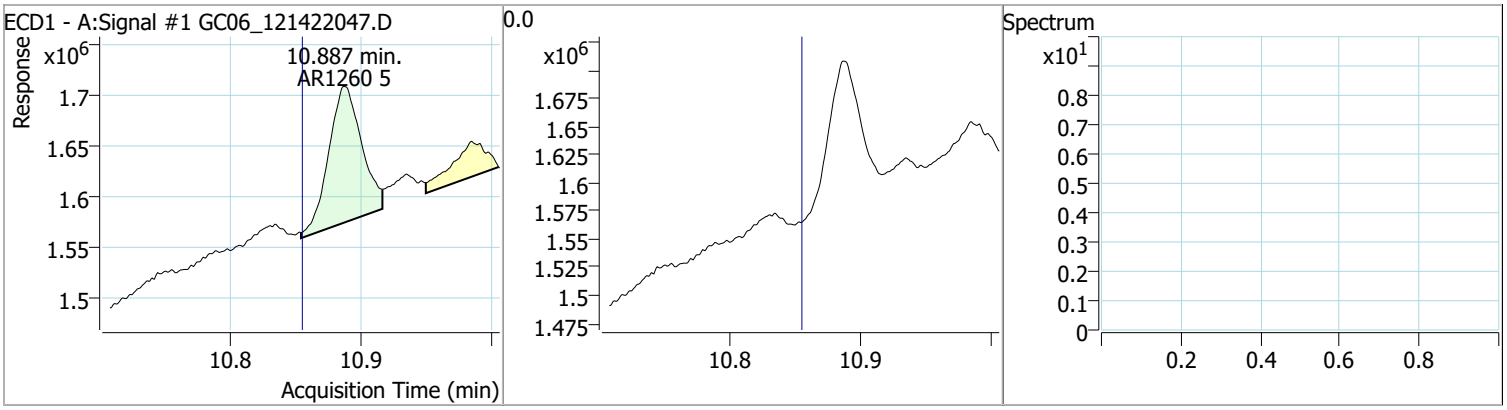
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	32.8957	10.26	-0.02	691922				



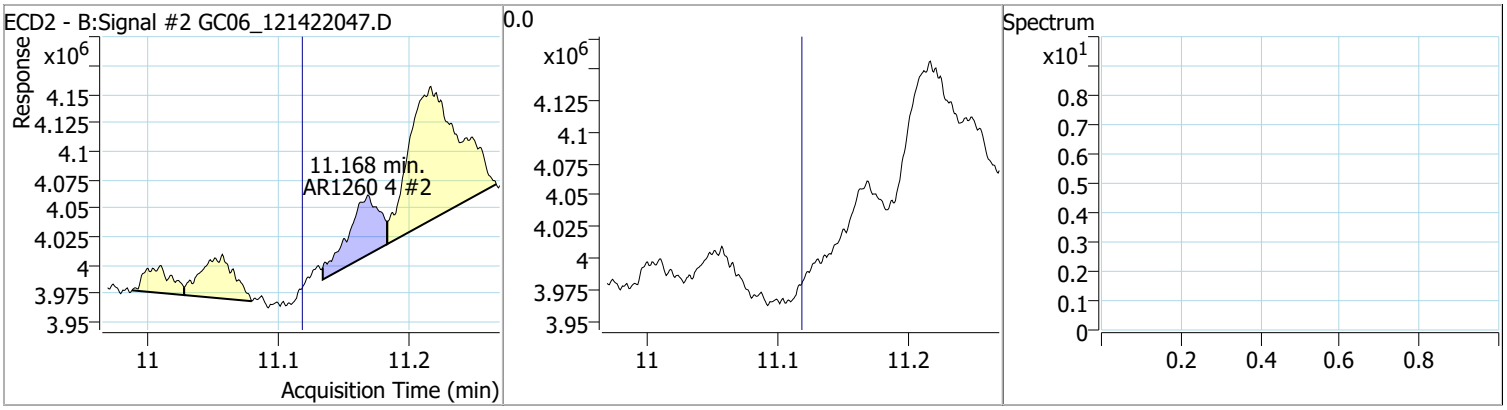
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.7964	10.62	-0.09	207572				



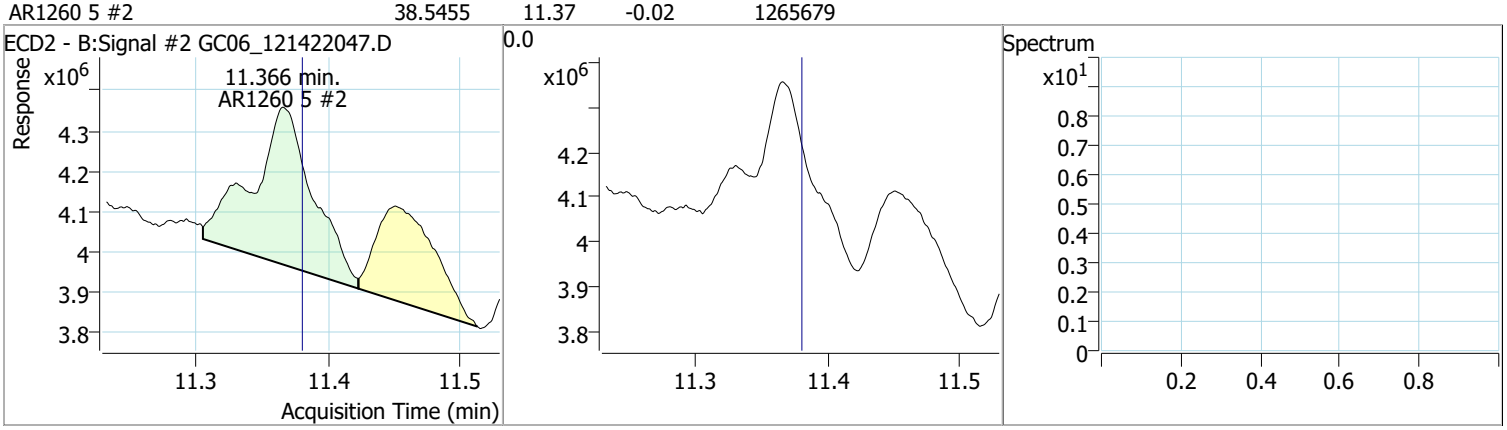
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	12.9248	10.89	0.03	235452				



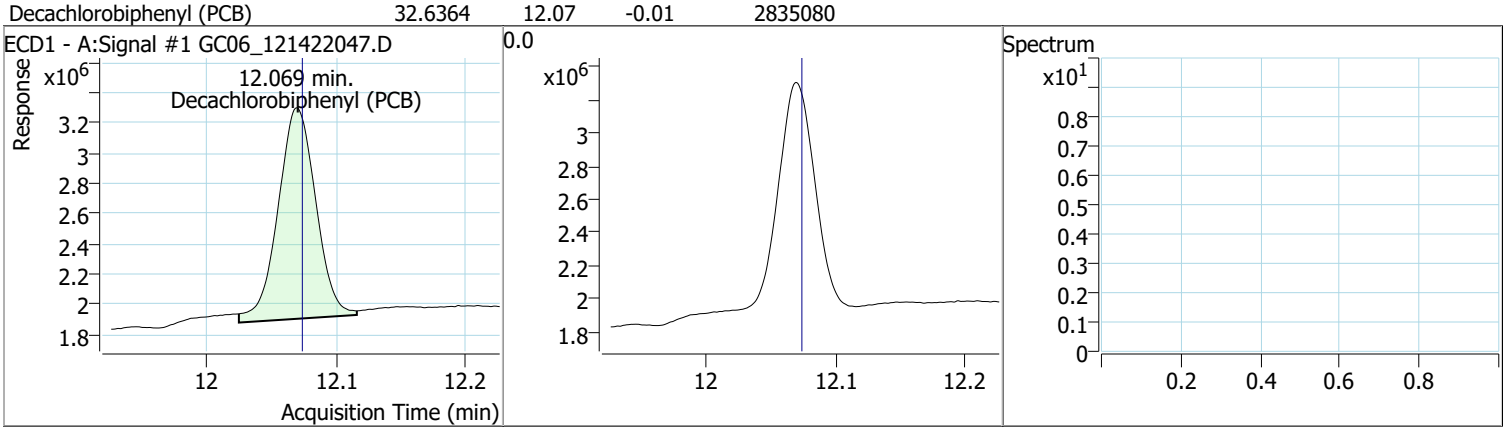
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.17	0.05	89555				



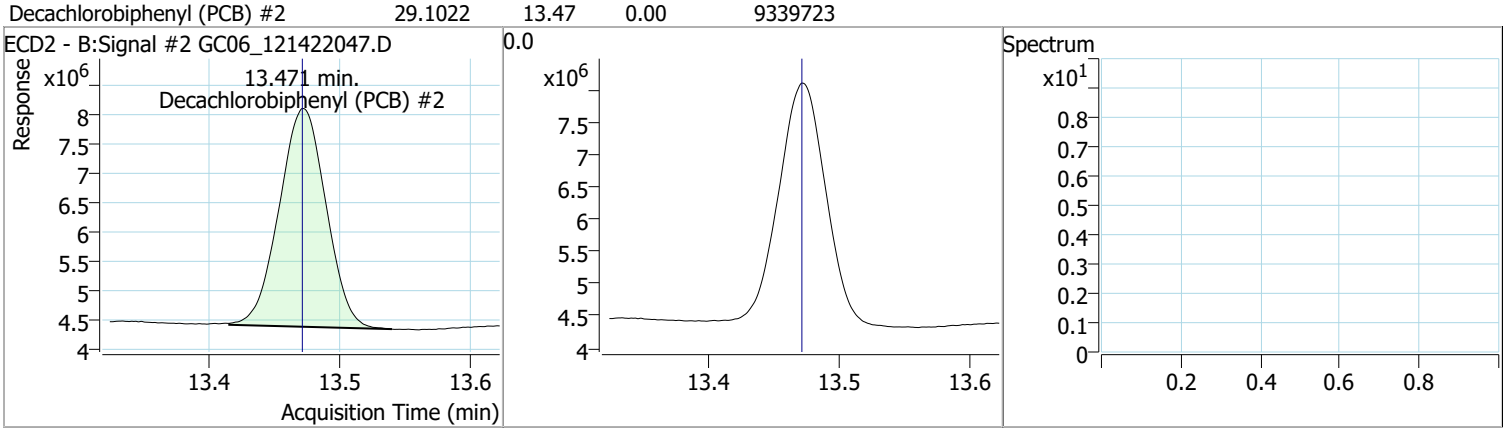
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	38.5455	11.37	-0.02	1265679				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	32.6364	12.07	-0.01	2835080				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	29.1022	13.47	0.00	9339723				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474711-008	Client ID:	20221209-2C-04-DUP
Seqnum:	452501809018	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422018	Batch:	303181	Time:	14-DEC-2022 17:16
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	77.38	~~1.5~~ ~~FP~~	0.93	50%	0.50		x u
Aroclor-1016 Peak # 1	B	292.4	5.85	3.81	42%			
Aroclor-1016 Peak # 2	B	22.77	0.46	ND	268%			
Aroclor-1016 Peak # 3	B	69.17	1.38	0.58	82%			
Aroclor-1016 Peak # 4	B	0.2799	0.01	0.00	18%			
Aroclor-1016 Peak # 5	B	2.330	0.05	0.32	149%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	22.05	ND	0.37	18%	0.50		u
Aroclor-1260 Peak # 1	B	51.32	1.03	0.94	9%			
Aroclor-1260 Peak # 2	B	34.64	0.69	0.01	195%			
Aroclor-1260 Peak # 3	B	4.463	0.09	0.46	135%			
Aroclor-1260 Peak # 4	B	-10.95	ND	0.76	362%			
Aroclor-1260 Peak # 5	B	30.77	0.62	ND	662%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	19.49	0.5000	0.3899	78	52-121	u
Decachlorobiphenyl (PCB)	B	17.82	0.5000	0.3564	71	50-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5307613	4814581	-9.29
1-bromo-2-nitrobenzene (PCB)	A	1103956	1029044	-6.79

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

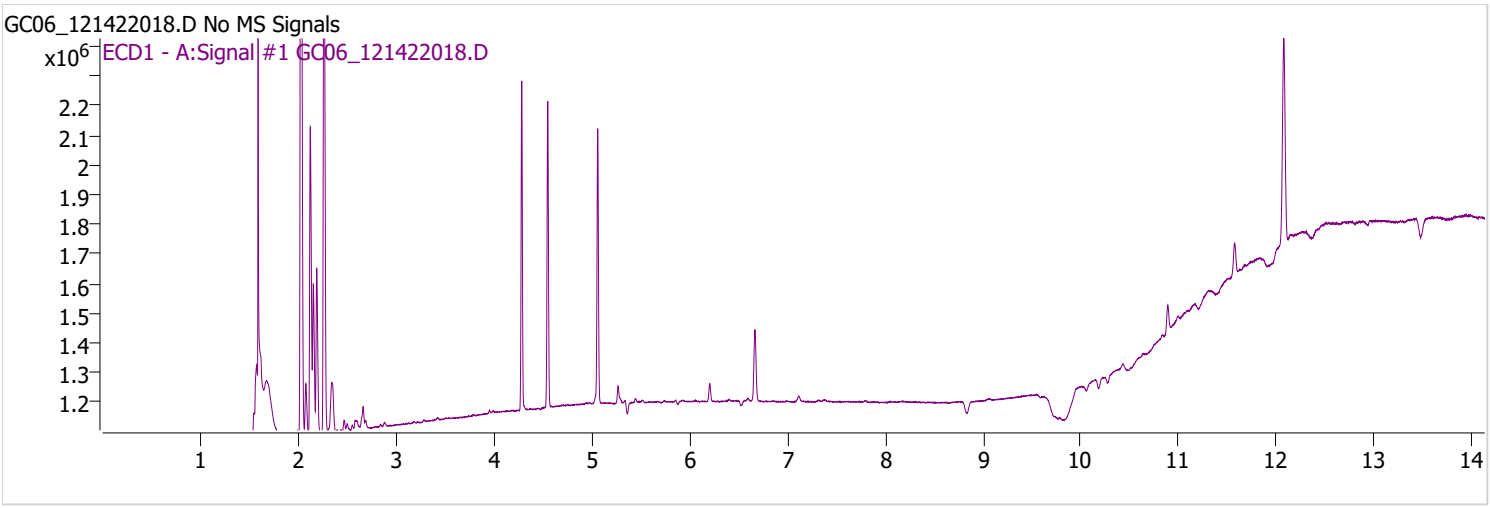
ISTD (CCV gc06_121422004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

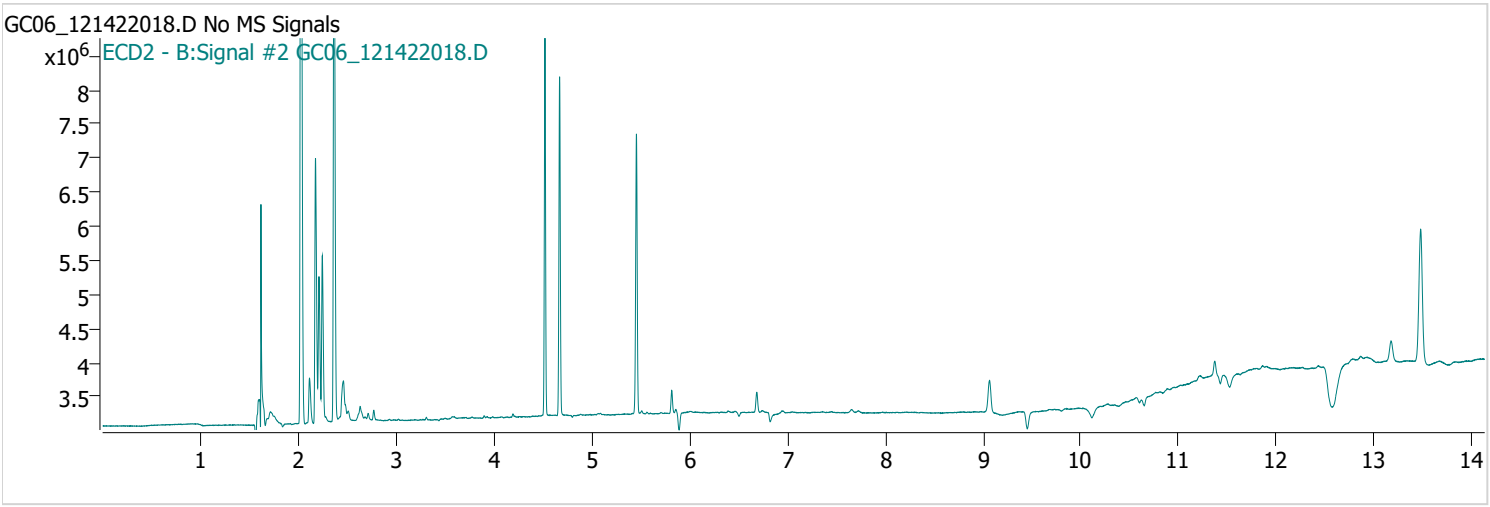
u=use x=false positive

Analyst: MES 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422018.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 5:16:21 PM
Sample Name	474711-008, 303181, 1	Instrument	SVOA-GC06
Vial	7	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



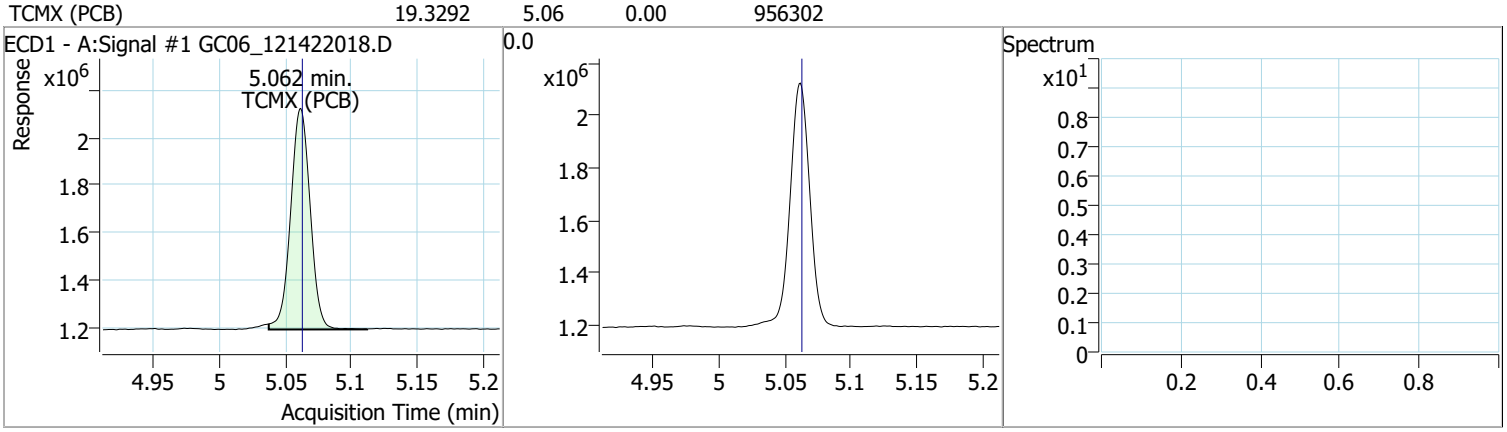


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.285	0.0	1029043.864	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.523	0.0	4814580.788	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.062	0.0	956302.465	19.3292	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 96.65%		
S TCMX (PCB) #2	5.458	0.0	4507629.001	19.4952	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.48%		
S Decachlorobiphenyl (PCB)	12.074	0.0	1425466.773	18.5331	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 92.67%		
S Decachlorobiphenyl (PCB) #2	13.473	0.0	4881261.625	17.8194	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 89.10%		
Target Compounds						**QValue**
T AR1016 1	5.447	0.0	205363.830	190.3493	ng/ml	100

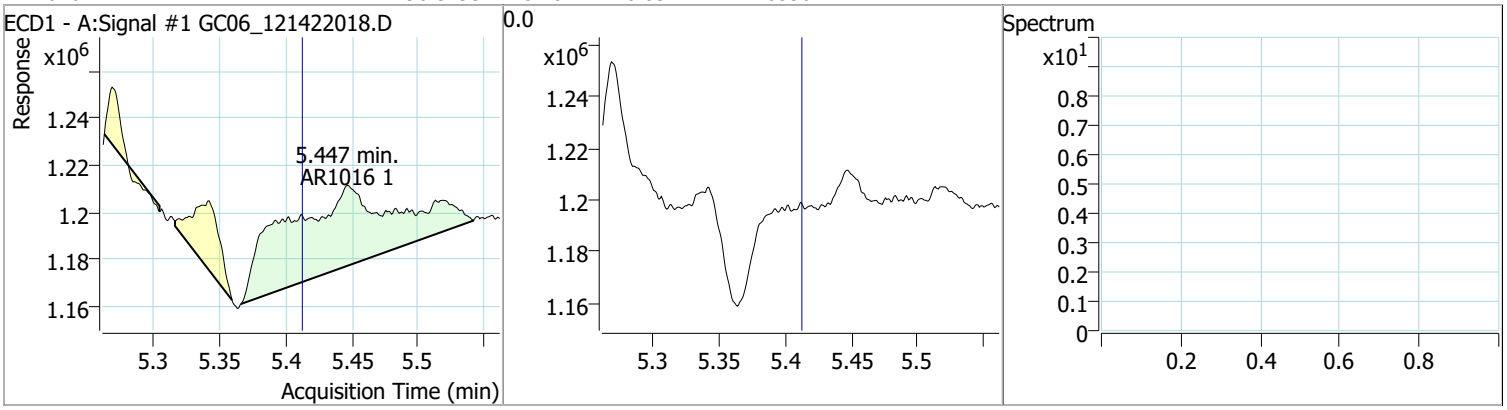
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.743	0.0	25897.099	0.0000	ng/ml	100
T AR1016 1 #2	6.013	0.0	1462954.632	292.3630	ng/ml	100
T AR1016 3	6.208	0.0	79443.642	29.0428	ng/ml	100
T AR1016 4	6.378	0.0	484.813	0.2330	ng/ml	100
T AR1016 2 #2	6.398	0.0	164507.424	22.7744	ng/ml	100
T AR1016 5	6.564	0.0	26709.862	15.9395	ng/ml	100
T AR1016 3 #2	6.950	0.0	907863.662	69.1711	ng/ml	100
T AR1016 4 #2	7.153	0.0	2622.262	0.2799	ng/ml	100
T AR1016 5 #2	7.360	0.0	17745.608	2.3299	ng/ml	100
T AR1260 1	8.753	0.0	162849.832	46.8064	ng/ml	100
T AR1260 2	9.272	0.0	2120.769	0.3999	ng/ml	100
T AR1260 3	9.627	0.0	127985.267	23.0906	ng/ml	100
T AR1260 1 #2	10.017	0.0	735379.150	51.3241	ng/ml	100
T AR1260 4	10.146	0.0	156568.000	38.0408	ng/ml	100
T AR1260 2 #2	10.278	0.0	596376.381	34.6417	ng/ml	100
T AR1260 3 #2	10.616	0.0	97260.650	4.4633	ng/ml	100
T AR1260 5	10.836	0.0	9991.866	0.0000	ng/ml	100
T AR1260 4 #2	11.216	0.0	151983.930	0.0000	ng/ml	100
T AR1260 5 #2	11.368	0.0	895307.462	30.7808	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

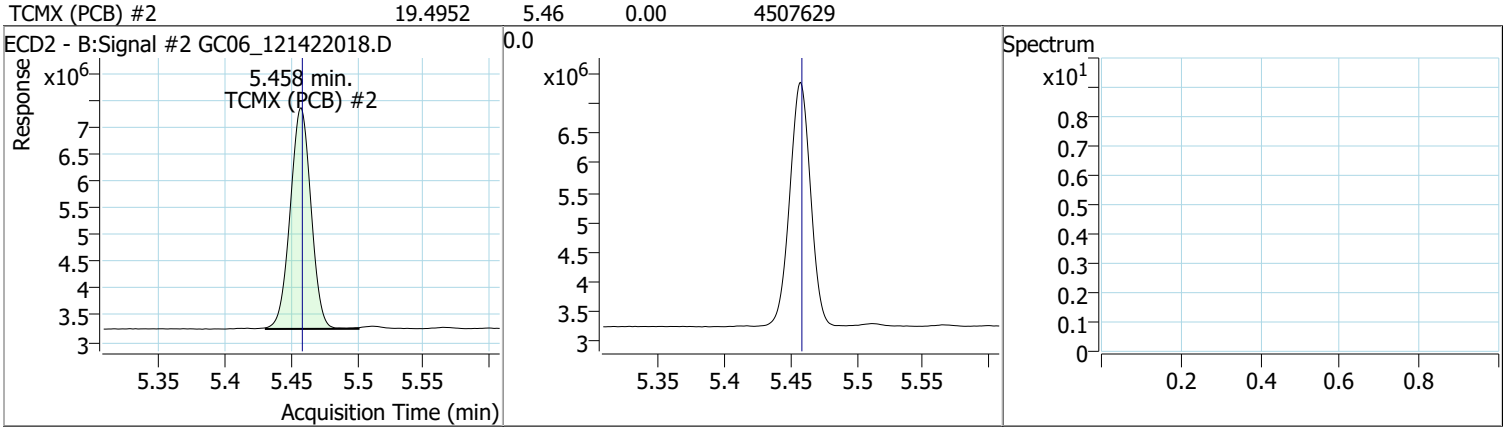
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	19.3292	5.06	0.00	956302				



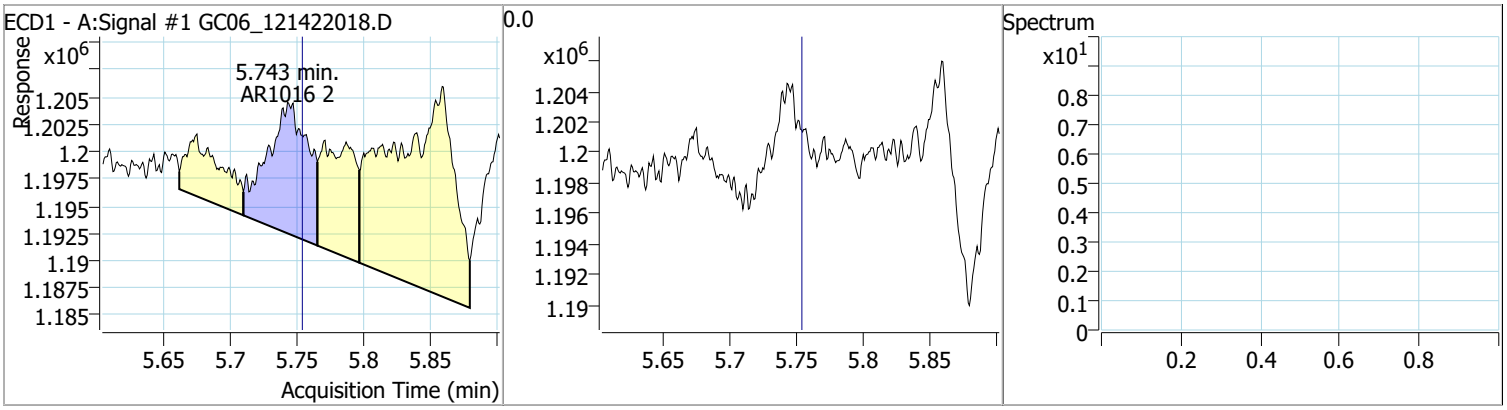
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	190.3493	5.45	0.03	205364				



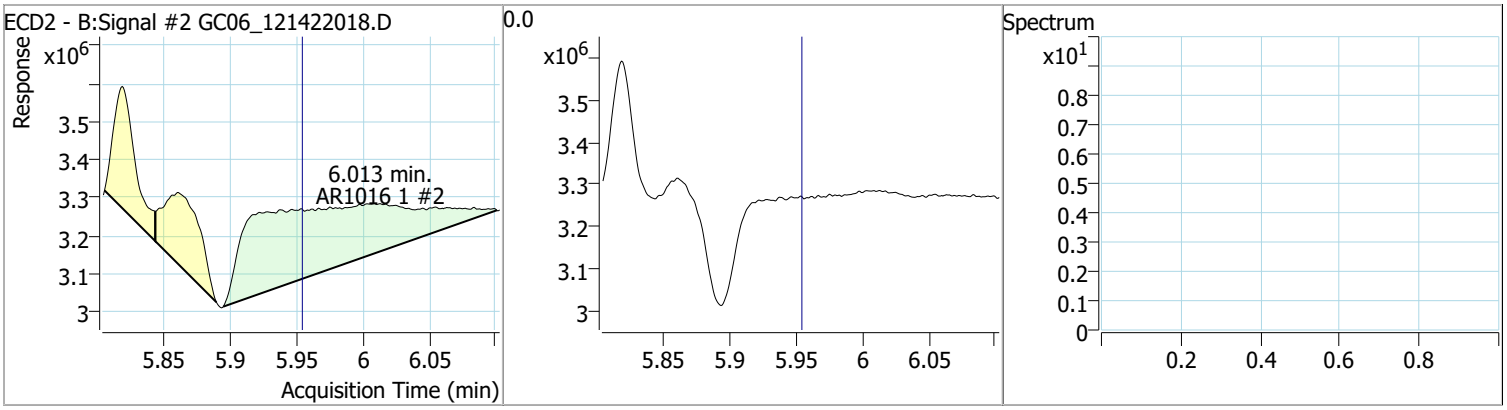
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	19.4952	5.46	0.00	4507629				



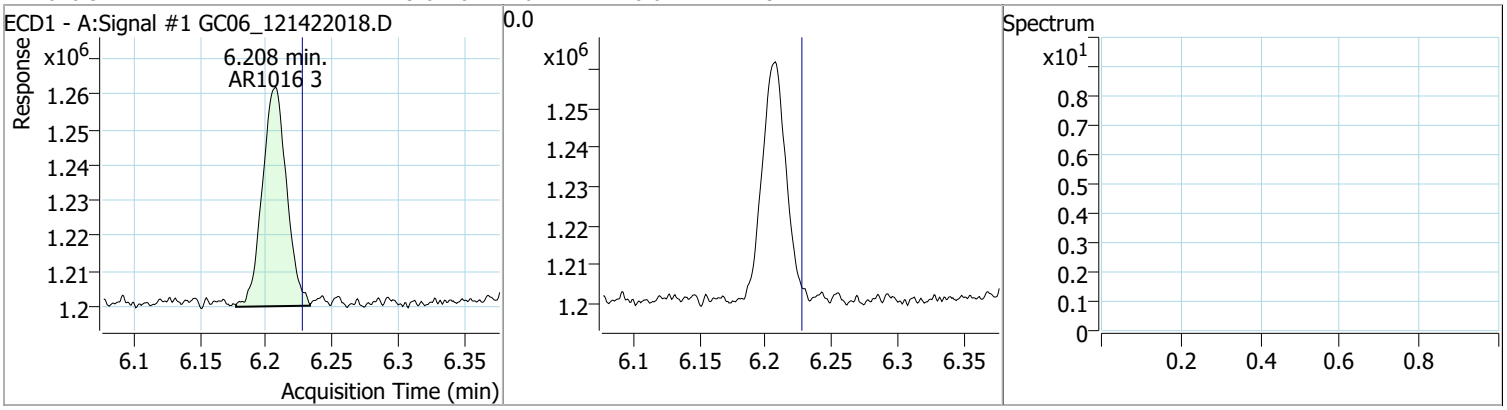
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.74	-0.01	25897				



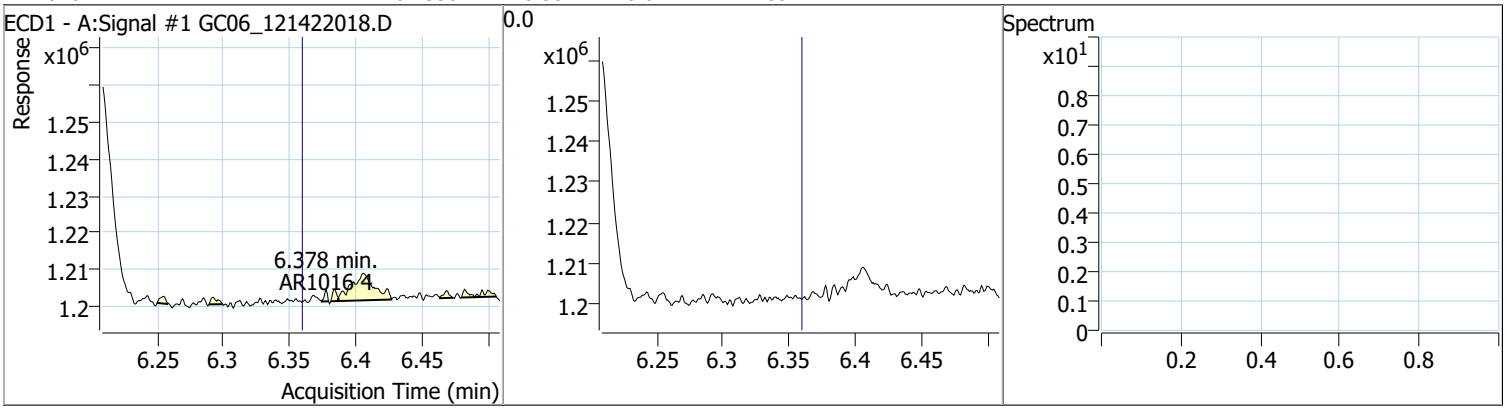
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	292.3630	6.01	0.06	1462955				



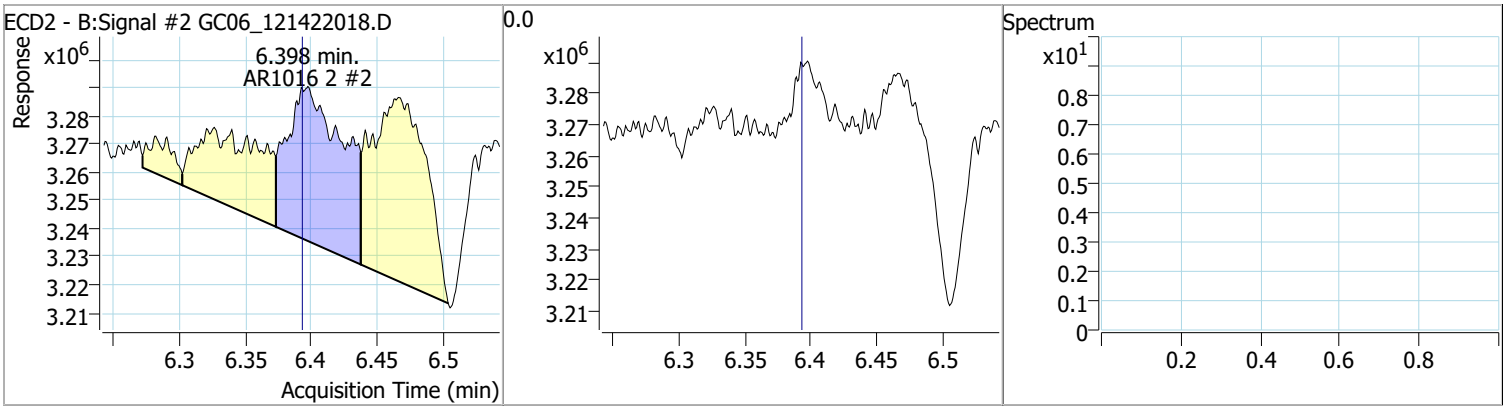
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	29.0428	6.21	-0.02	79444				



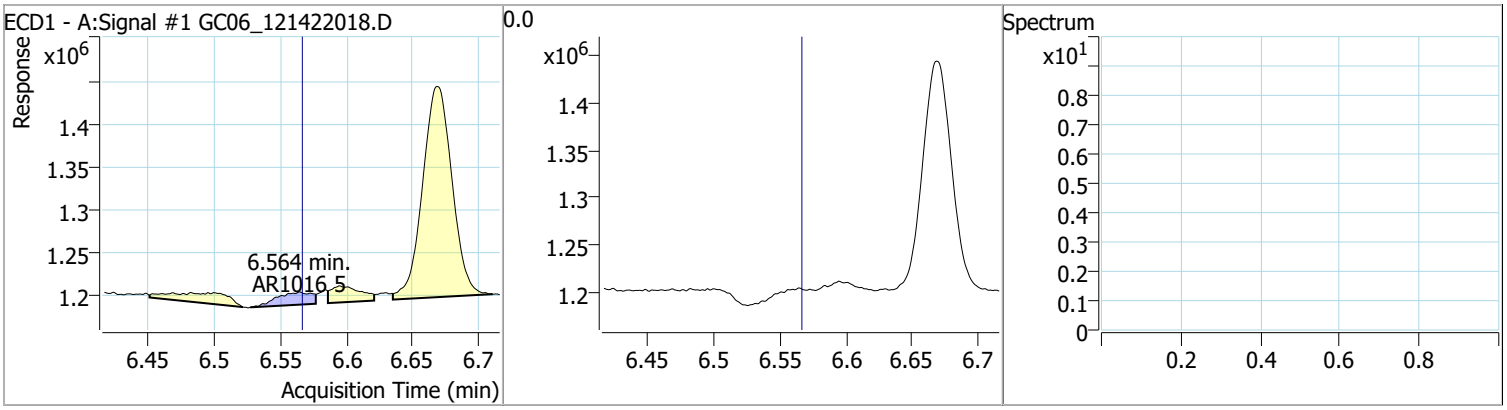
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.2330	6.38	0.02	485				



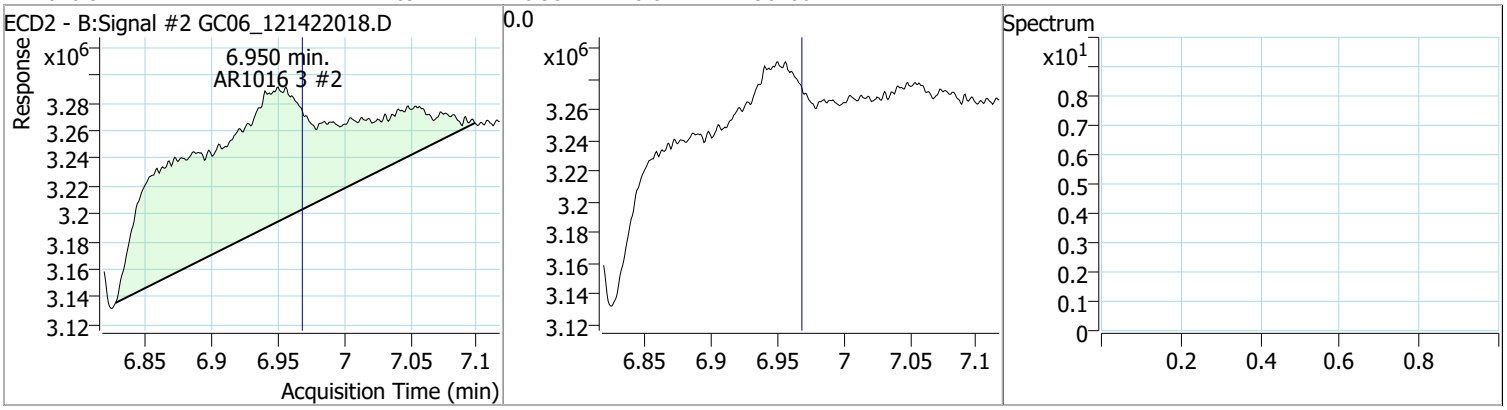
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	22.7744	6.40	0.00	164507				



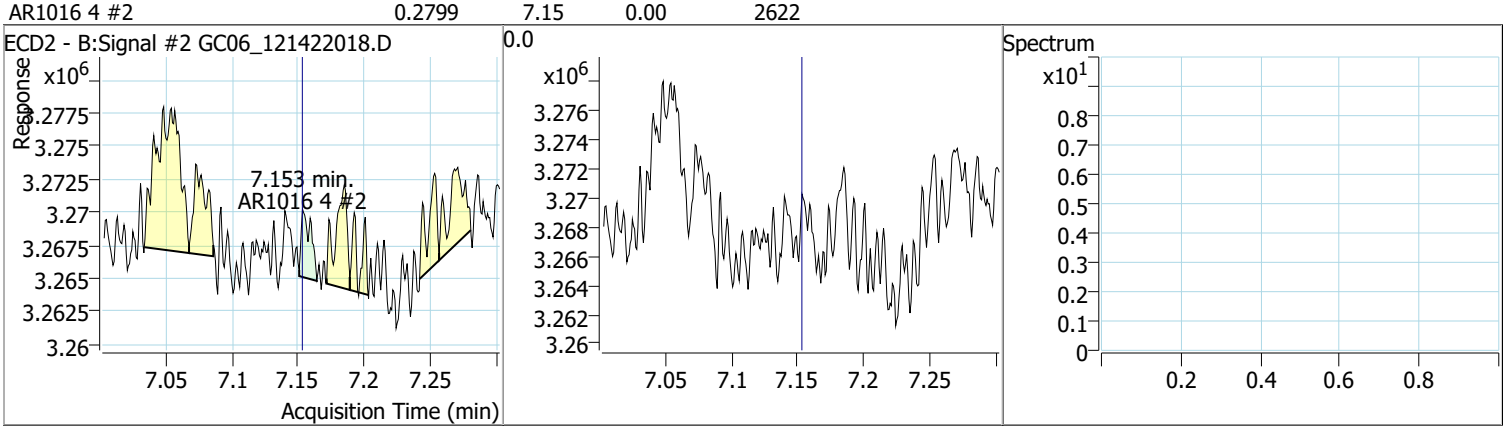
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	15.9395	6.56	0.00	26710				



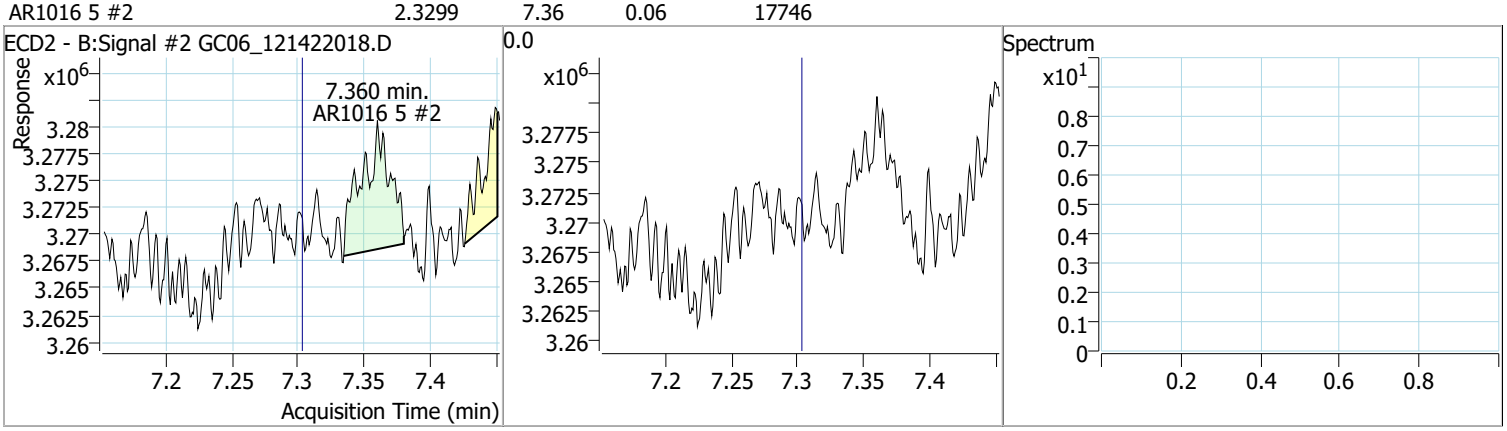
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	69.1711	6.95	-0.02	907864				



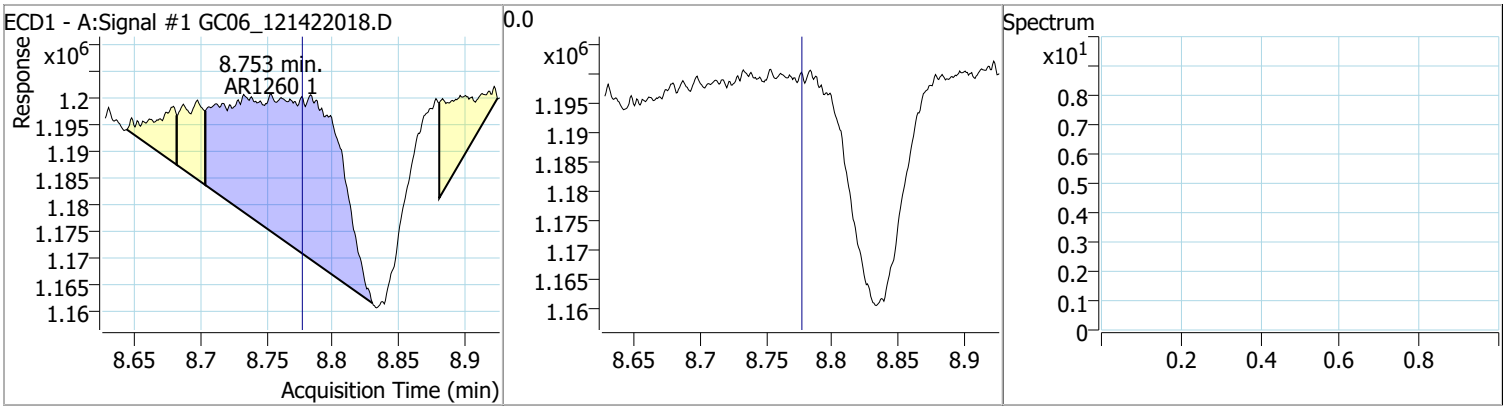
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.2799	7.15	0.00	2622				



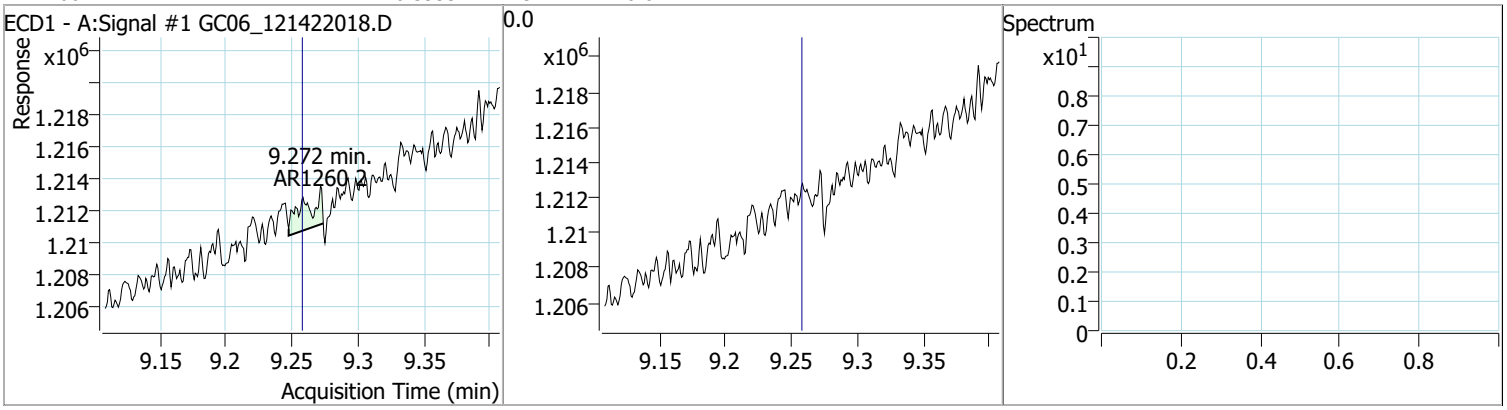
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.3299	7.36	0.06	17746				



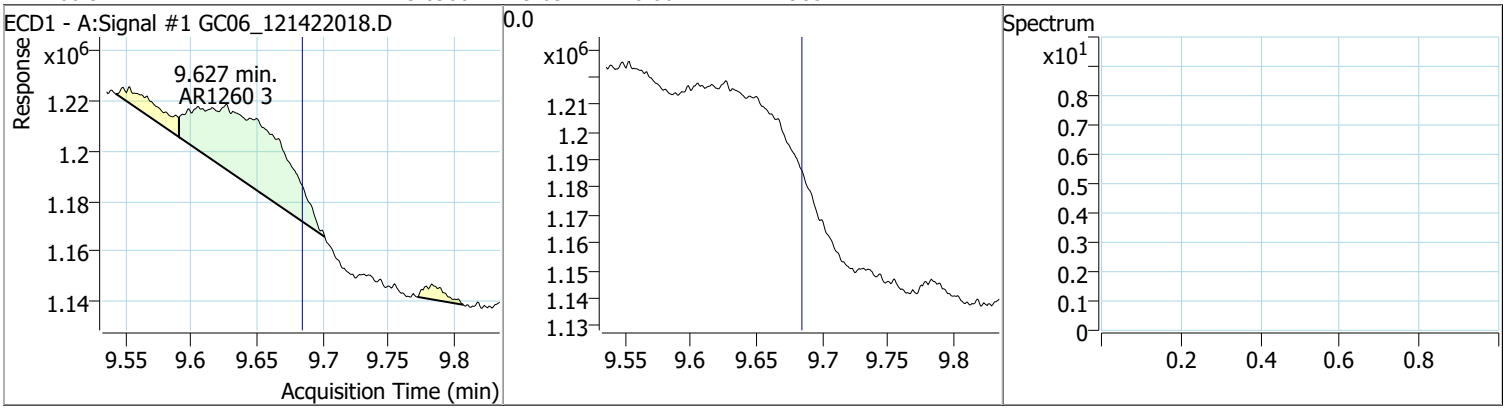
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	46.8064	8.75	-0.02	162850				



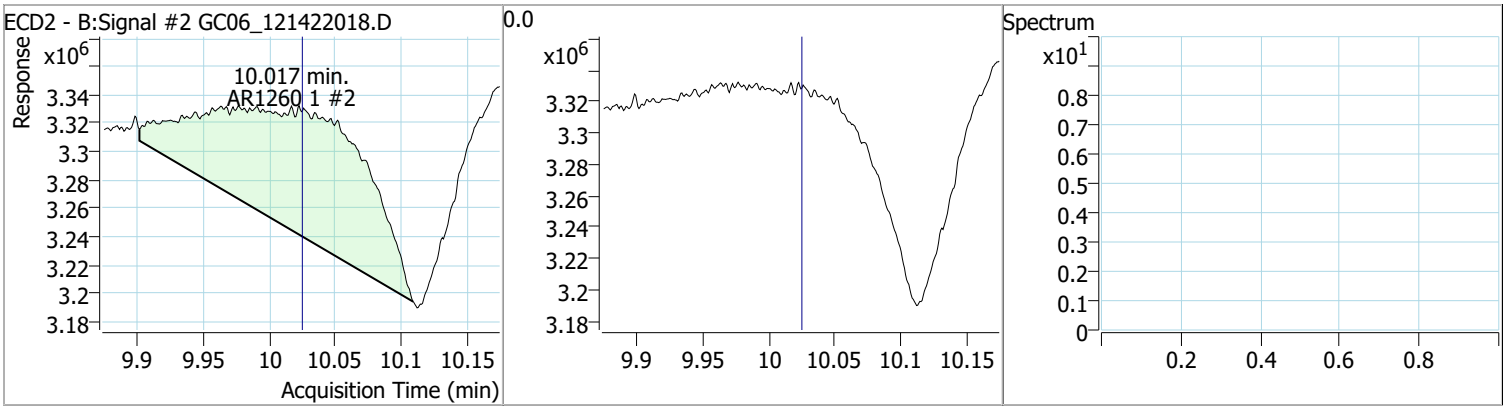
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.3999	9.27	0.01	2121				



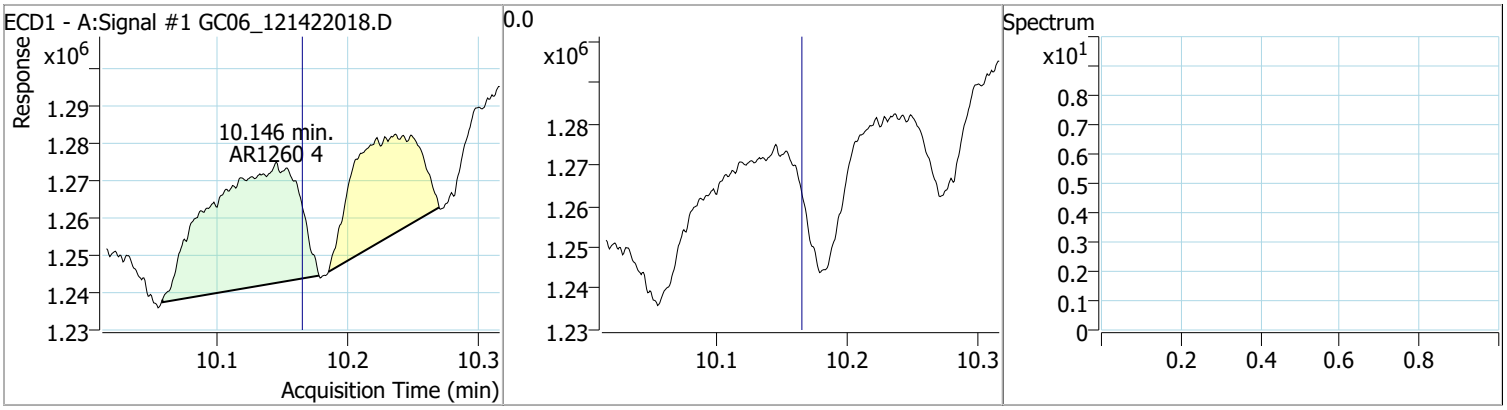
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	23.0906	9.63	-0.06	127985				



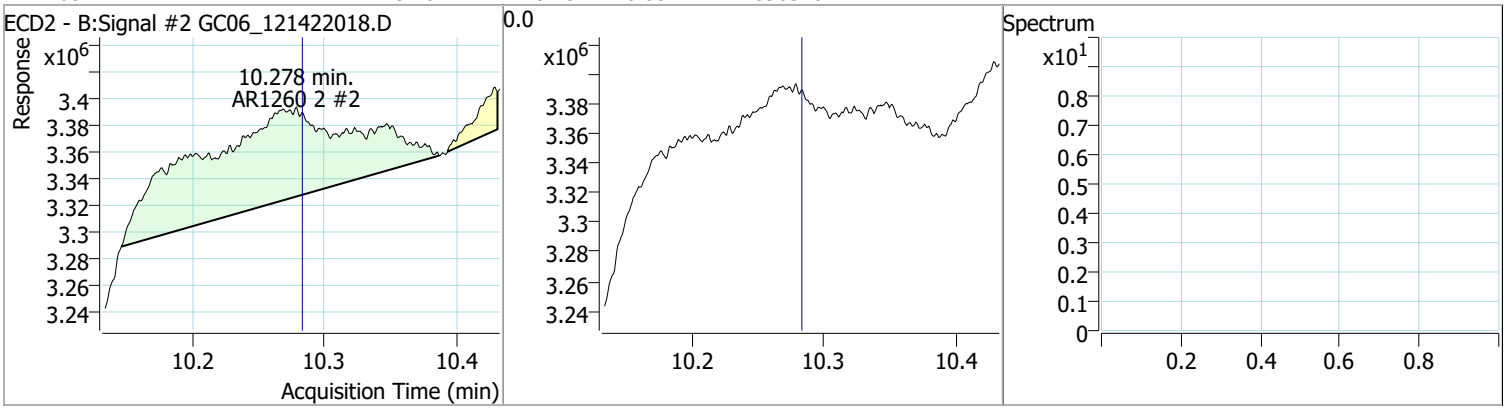
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	51.3241	10.02	-0.01	735379				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	38.0408	10.15	-0.02	156568				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	34.6417	10.28	0.00	596376				



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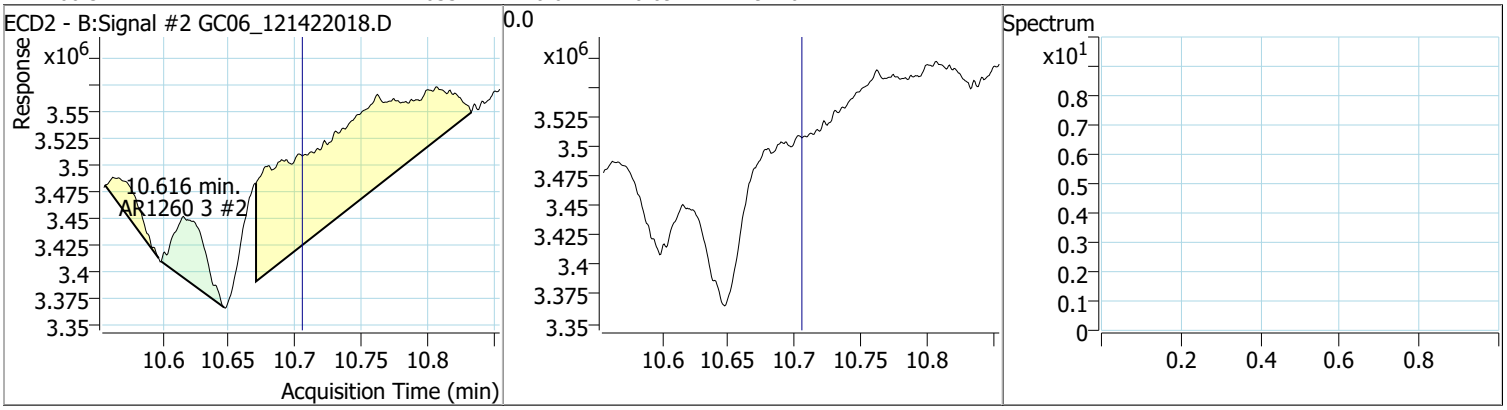
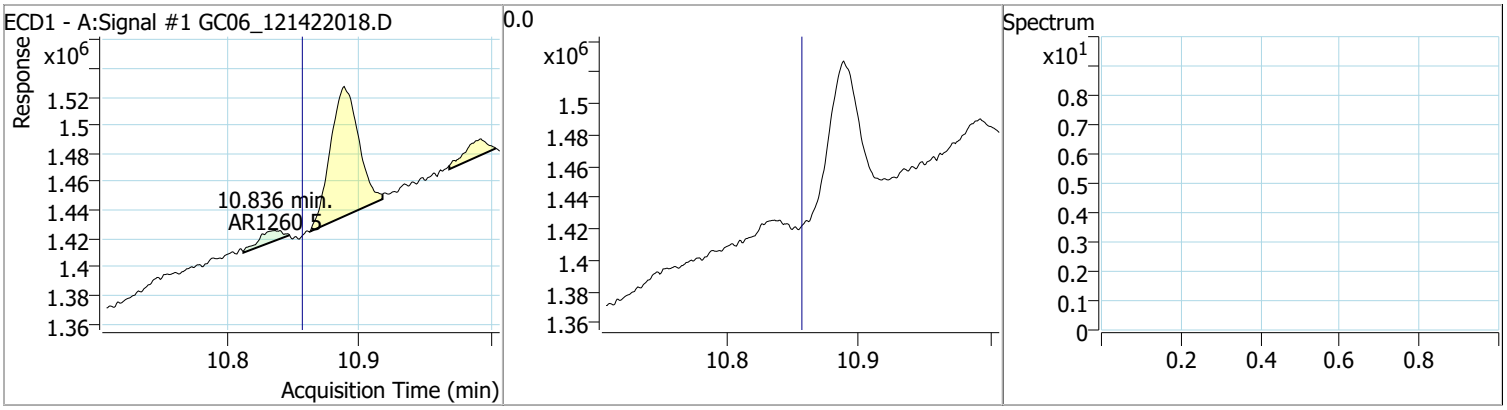
AR1260 3 #2	4.4633	10.62	-0.09	97261				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	0.0000	10.84	-0.02	9992				



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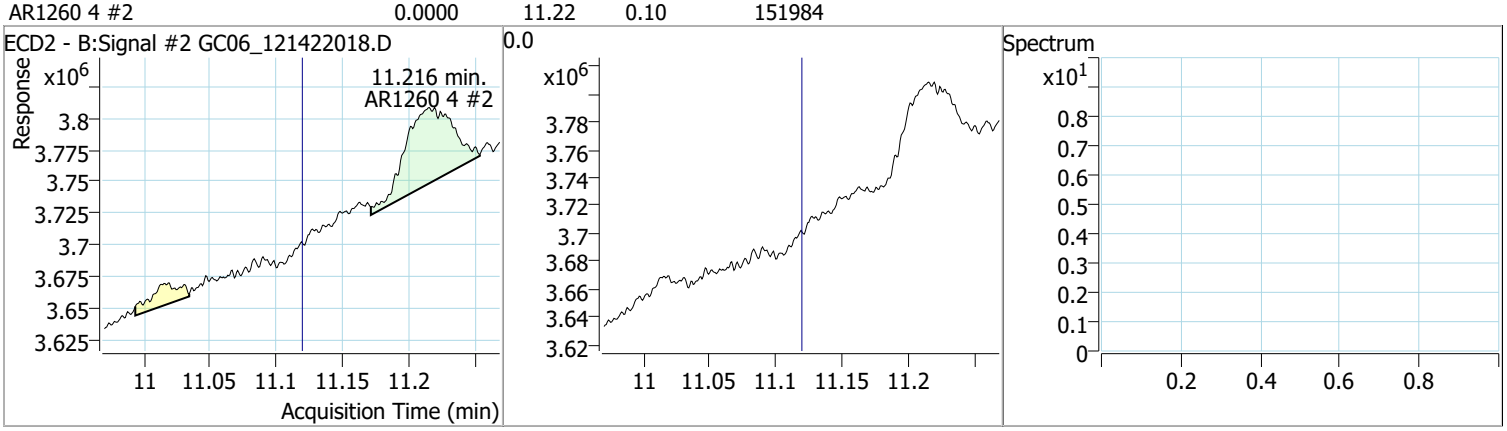
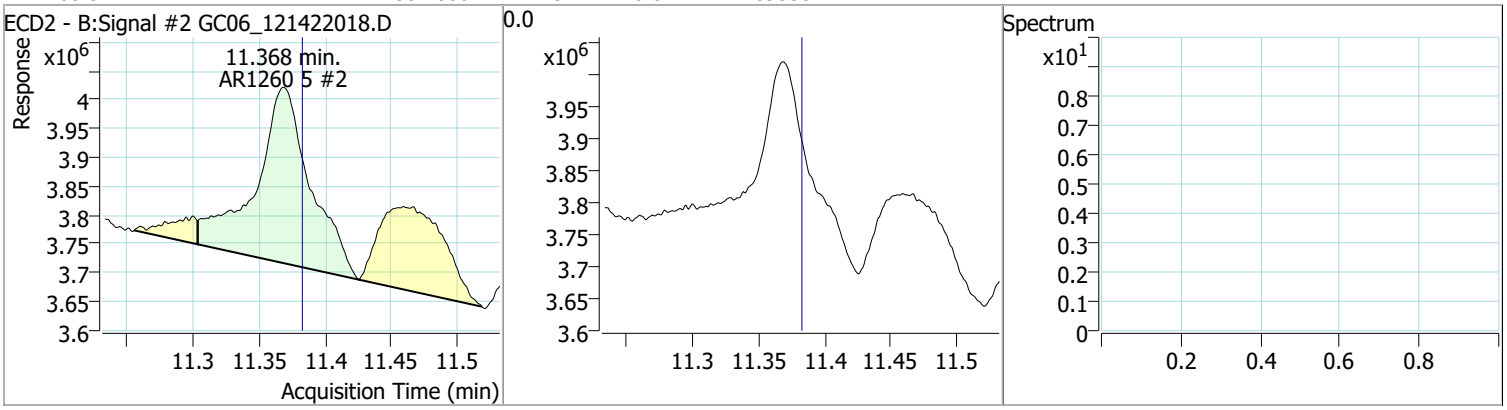
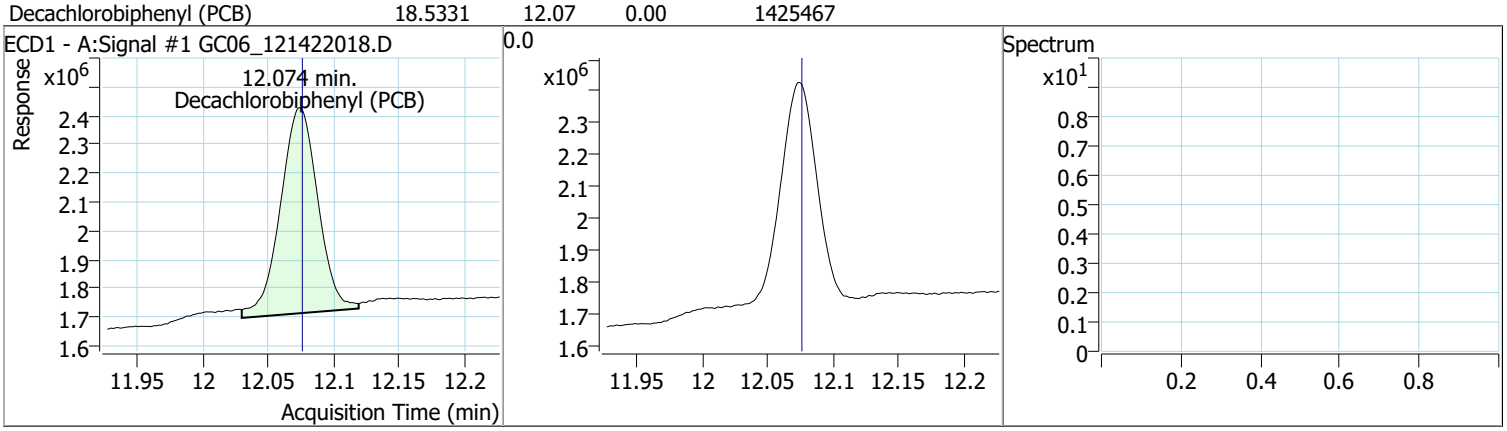
AR1260 4 #2	0.0000	11.22	0.10	151984				



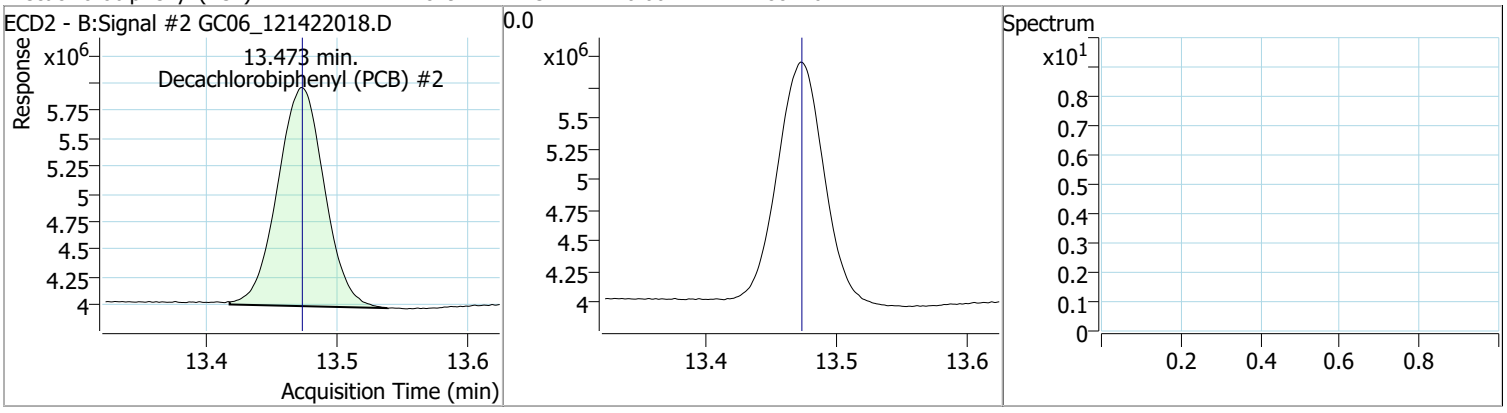
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	30.7808	11.37	-0.01	895307				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	18.5331	12.07	0.00	1425467				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	17.8194	13.47	0.00	4881262				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474711-009	Client ID:	20221209-2C-05
Seqnum:	452501809048	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422048	Batch:	303182	Time:	15-DEC-2022 02:26
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	121.3	~~1.2~~ ~~FP~~	2.7	75%	0.50		x u
Aroclor-1016 Peak # 1	B	329.9	3.30	1.49	76%			
Aroclor-1016 Peak # 2	B	39.95	0.40	0.10	123%			
Aroclor-1016 Peak # 3	B	199.4	1.99	0.58	110%			
Aroclor-1016 Peak # 4	B	17.36	0.17	1.45	157%			
Aroclor-1016 Peak # 5	B	19.97	0.20	9.69	192%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	42.05	ND	0.35	18%	0.50		u
Aroclor-1260 Peak # 1	B	75.31	0.75	0.90	17%			
Aroclor-1260 Peak # 2	B	90.88	0.91	0.08	167%			
Aroclor-1260 Peak # 3	B	7.115	0.07	0.19	89%			
Aroclor-1260 Peak # 4	B	-22.06	ND	0.74	369%			
Aroclor-1260 Peak # 5	B	58.99	0.59	ND	335%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	27.24	0.5000	0.2724	54	19-121	u
Decachlorobiphenyl (PCB)	B	23.01	0.5000	0.2301	46	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422036)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5560467	5600536	0.72
1-bromo-2-nitrobenzene (PCB)	A	1170615	1206934	3.10

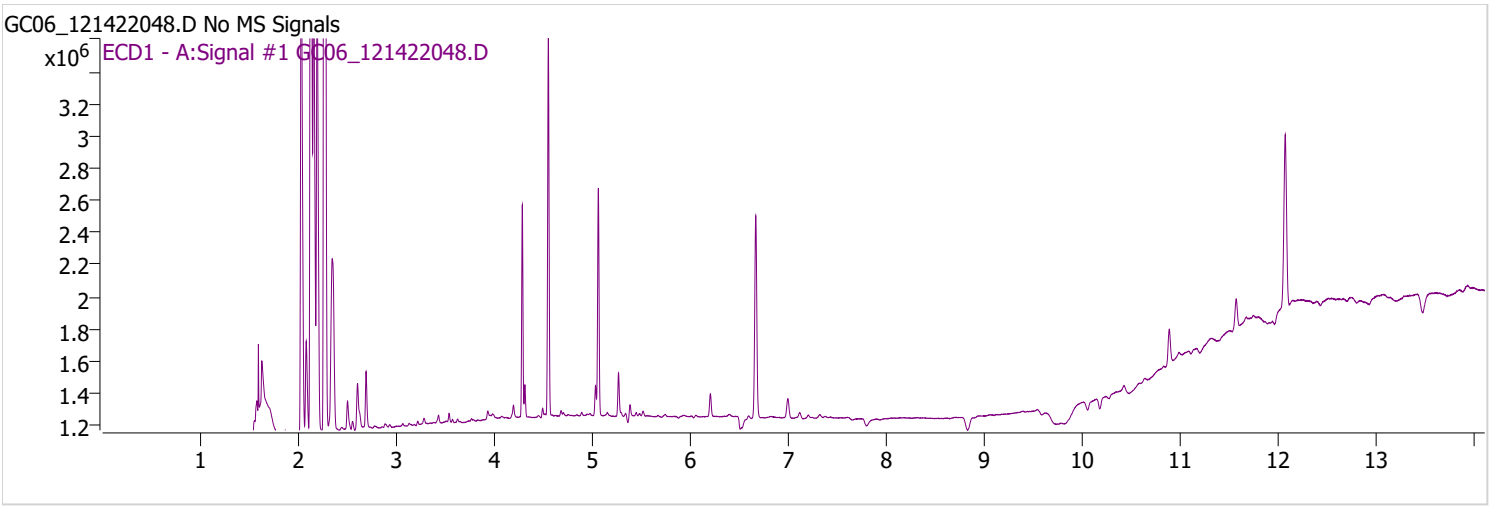
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

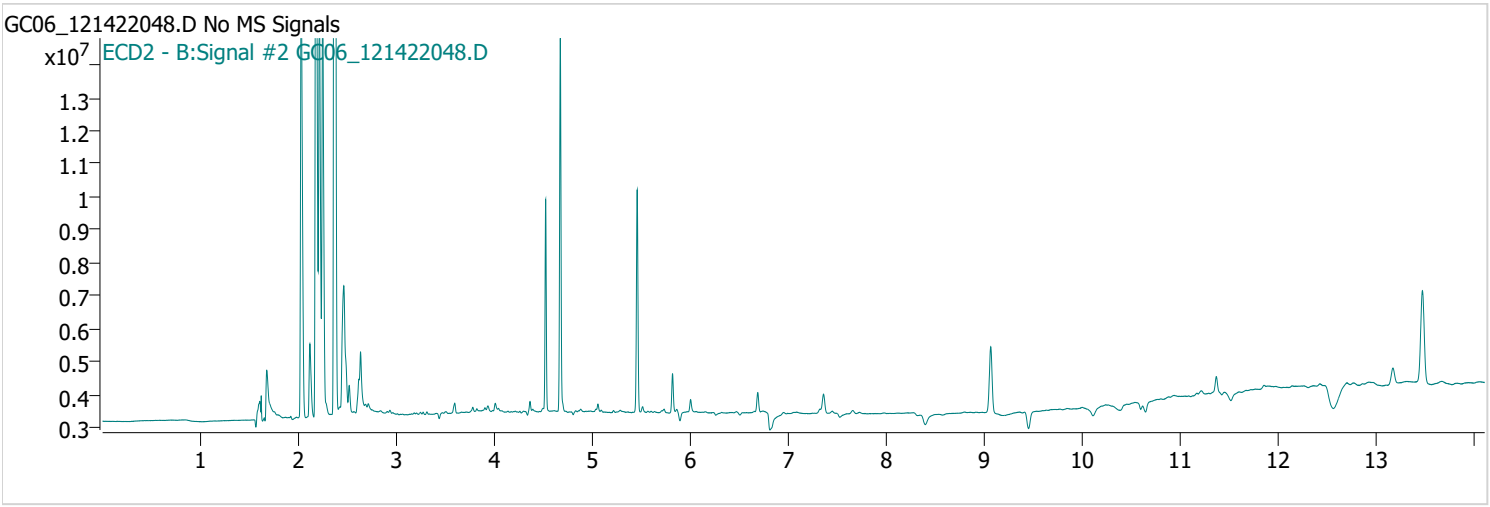
ISTD (CCV gc06_121422036)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

Analyst: MES 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422048.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 2:26:29 AM
Sample Name	474711-009, 303182, 1	Instrument	SVOA-GC06
Vial	31	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



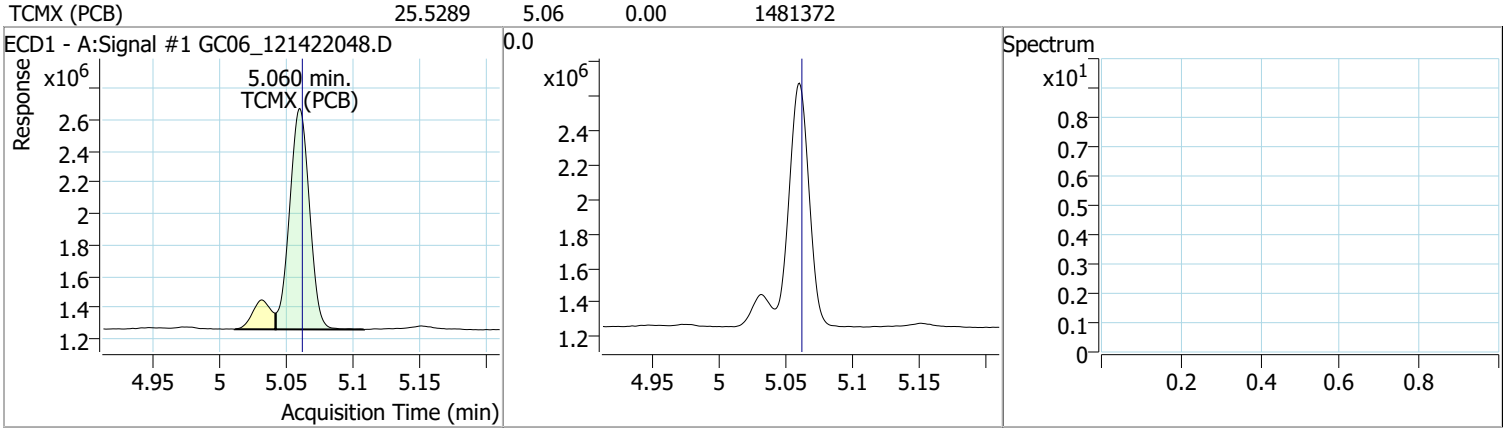


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	1206934.082	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.523	0.0	5600536.369	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.060	0.0	1481371.749	25.5289	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 127.64%		
S TCMX (PCB) #2	5.457	0.0	7325811.679	27.2372	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 136.19%		
S Decachlorobiphenyl (PCB)	12.071	0.0	2350511.654	27.8102	ng/ml	-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 139.05%		
S Decachlorobiphenyl (PCB) #2	13.471	0.0	7157756.821	23.0136	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 115.07%		
Target Compounds						QValue

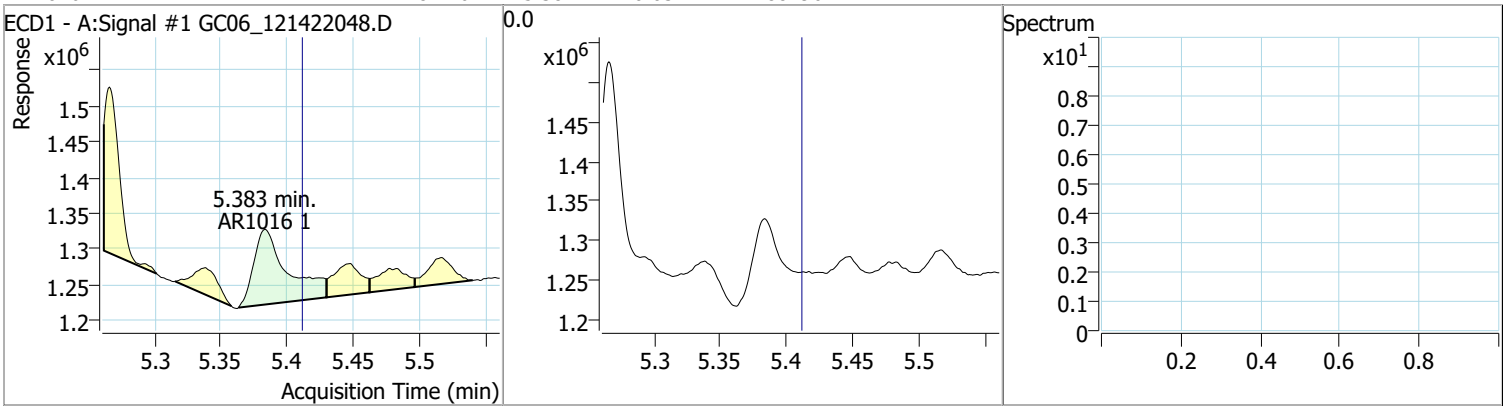
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.383	0.0	188195.571	148.7261	ng/ml	100
T AR1016 2	5.743	0.0	62779.664	9.5622	ng/ml	100
T AR1016 1 #2	6.002	0.0	1920052.200	329.8629	ng/ml	100
T AR1016 3	6.203	0.0	184519.227	57.5138	ng/ml	100
T AR1016 4	6.399	0.0	353829.756	145.0075	ng/ml	100
T AR1016 2 #2	6.403	0.0	335722.382	39.9549	ng/ml	100
T AR1016 5	6.667	0.0	1904307.830	968.9274	ng/ml	100
T AR1016 3 #2	7.080	0.0	3043778.810	199.3637	ng/ml	100
T AR1016 4 #2	7.080	0.0	189217.424	17.3601	ng/ml	100
T AR1016 5 #2	7.322	0.0	176905.641	19.9675	ng/ml	100
T AR1260 1	8.705	0.0	365681.359	89.6131	ng/ml	100
T AR1260 2	9.395	0.0	50672.436	8.1471	ng/ml	100
T AR1260 3	9.624	0.0	120368.427	18.5156	ng/ml	100
T AR1260 1 #2	9.997	0.0	1255231.929	75.3118	ng/ml	100
T AR1260 4	10.140	0.0	307649.732	74.1590	ng/ml	100
T AR1260 2 #2	10.238	0.0	1819890.283	90.8767	ng/ml	100
T AR1260 3 #2	10.615	0.0	180361.523	7.1153	ng/ml	100
T AR1260 5	10.830	0.0	23342.930	0.0000	ng/ml	100
T AR1260 4 #2	11.085	0.0	22098.134	0.0000	ng/ml	100
T AR1260 5 #2	11.367	0.0	1635923.677	59.0003	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

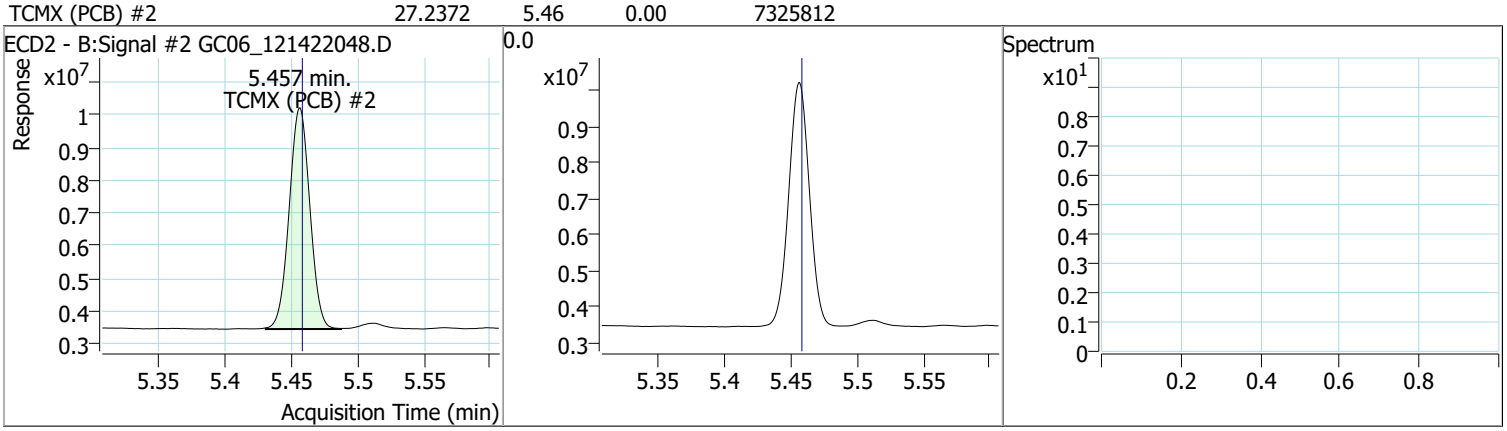
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	25.5289	5.06	0.00	1481372				



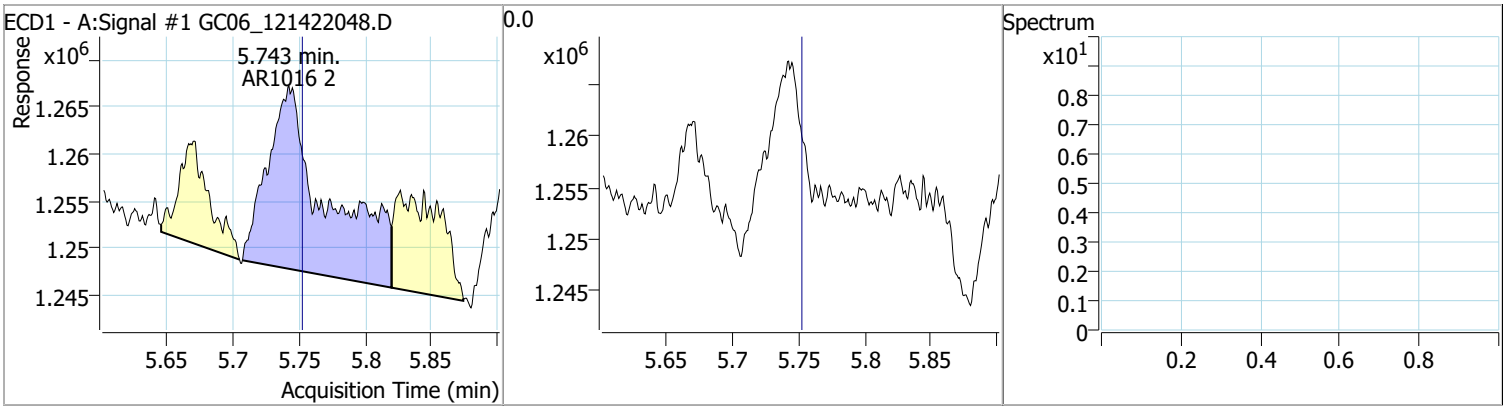
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	148.7261	5.38	-0.03	188196				



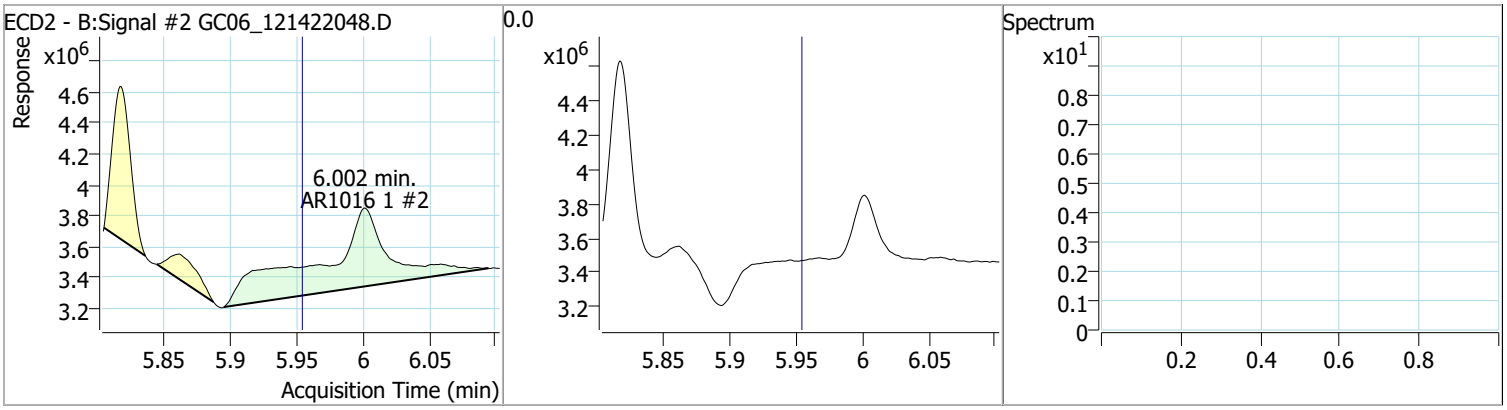
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	27.2372	5.46	0.00	7325812				



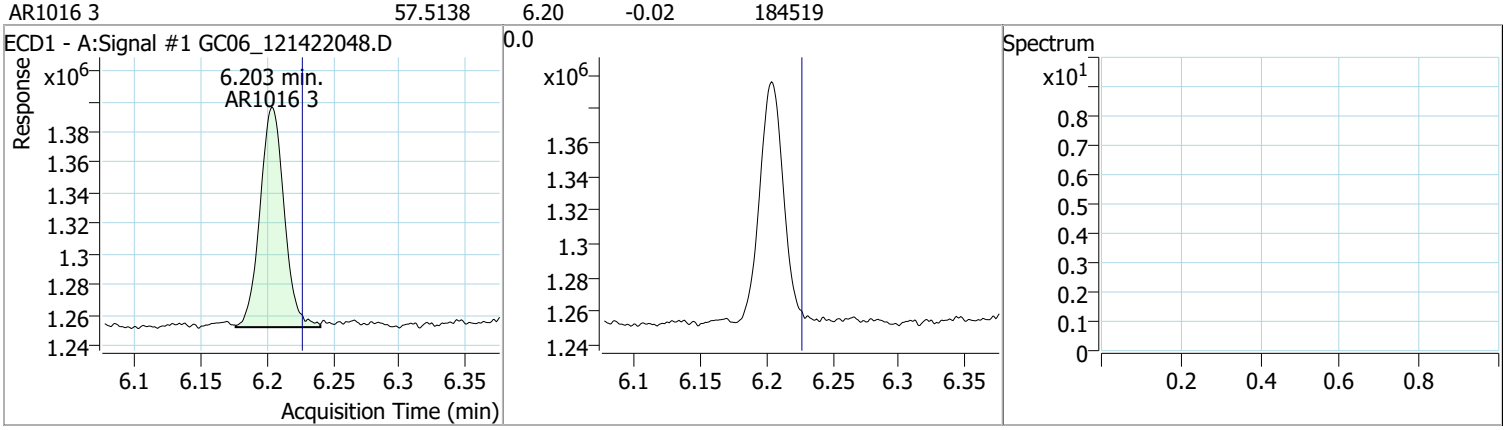
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	9.5622	5.74	-0.01	62780				



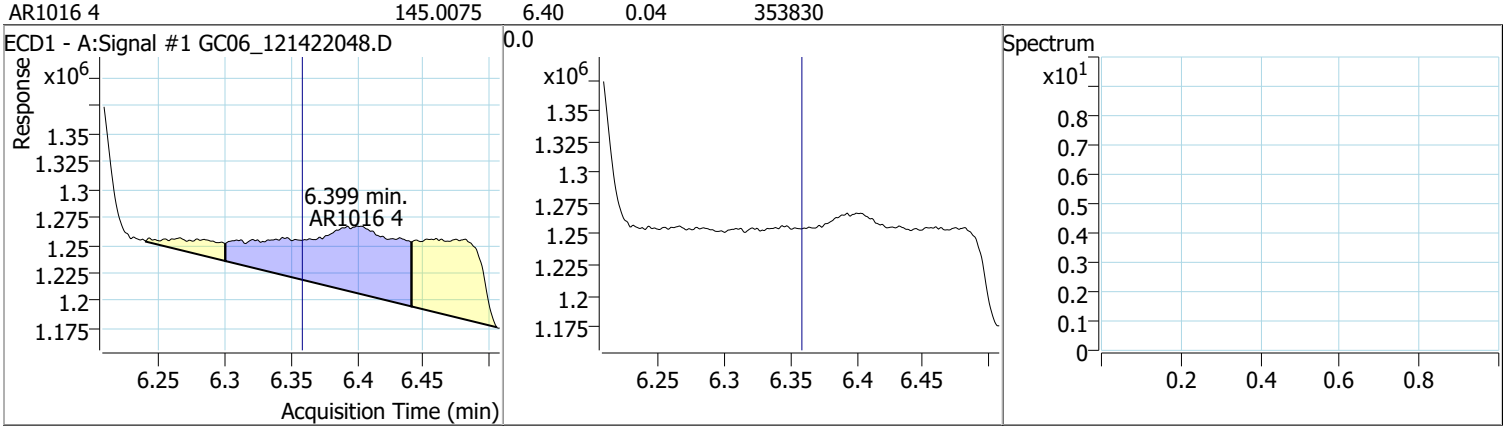
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	329.8629	6.00	0.05	1920052				



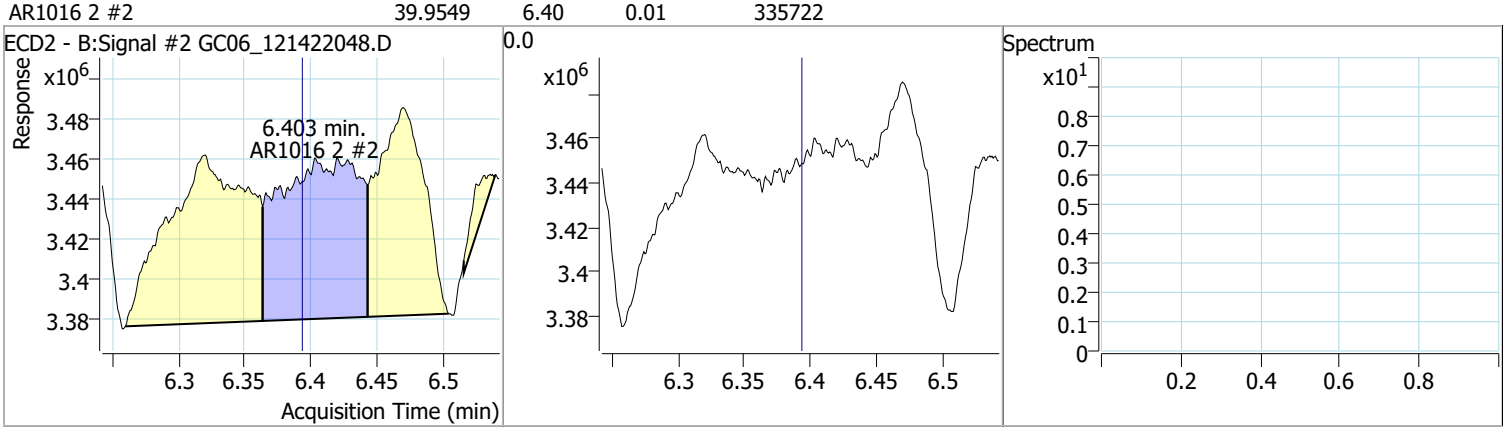
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	57.5138	6.20	-0.02	184519				



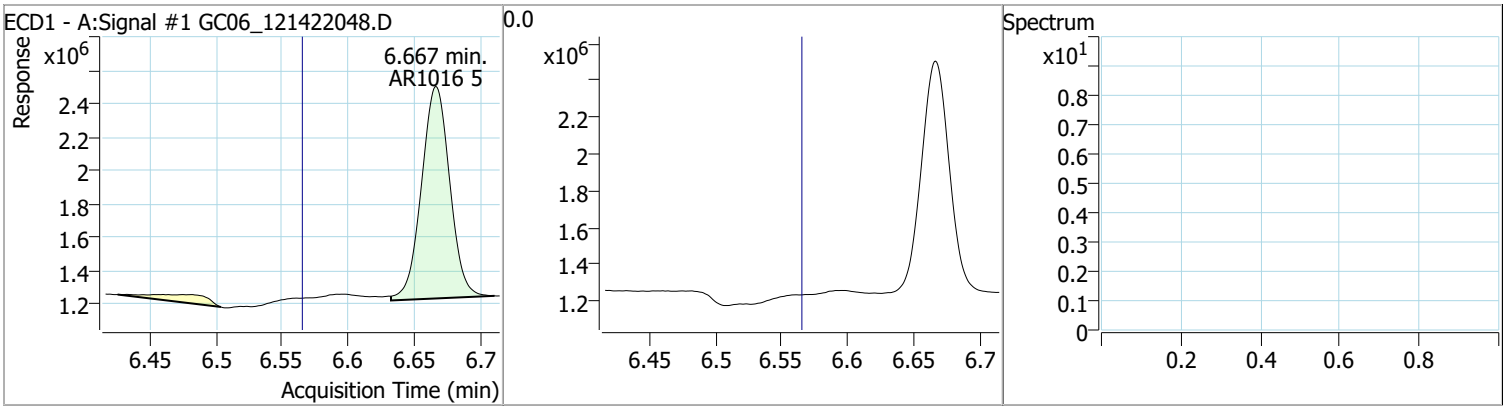
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	145.0075	6.40	0.04	353830				



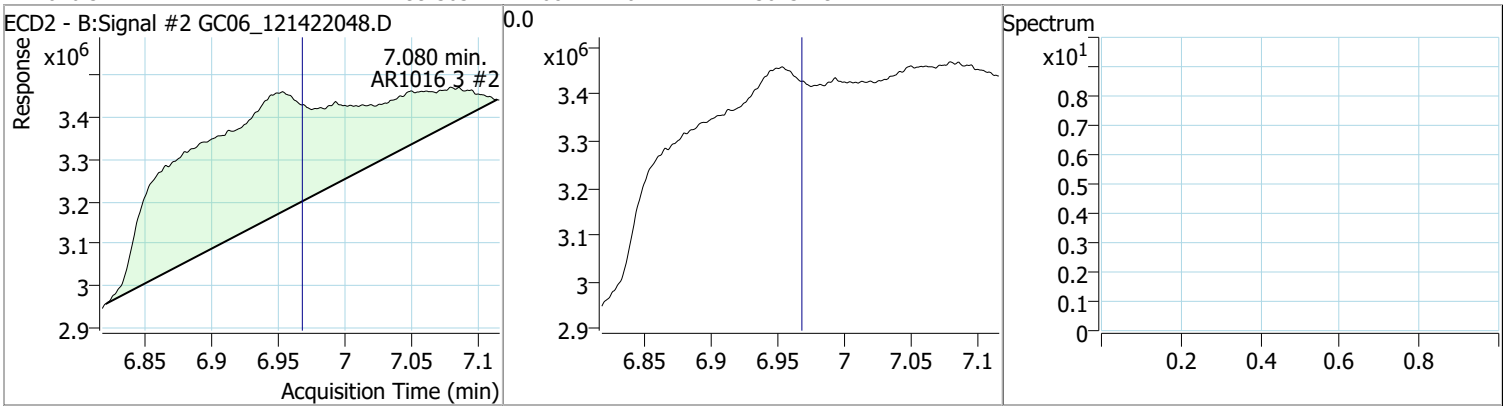
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	39.9549	6.40	0.01	335722				



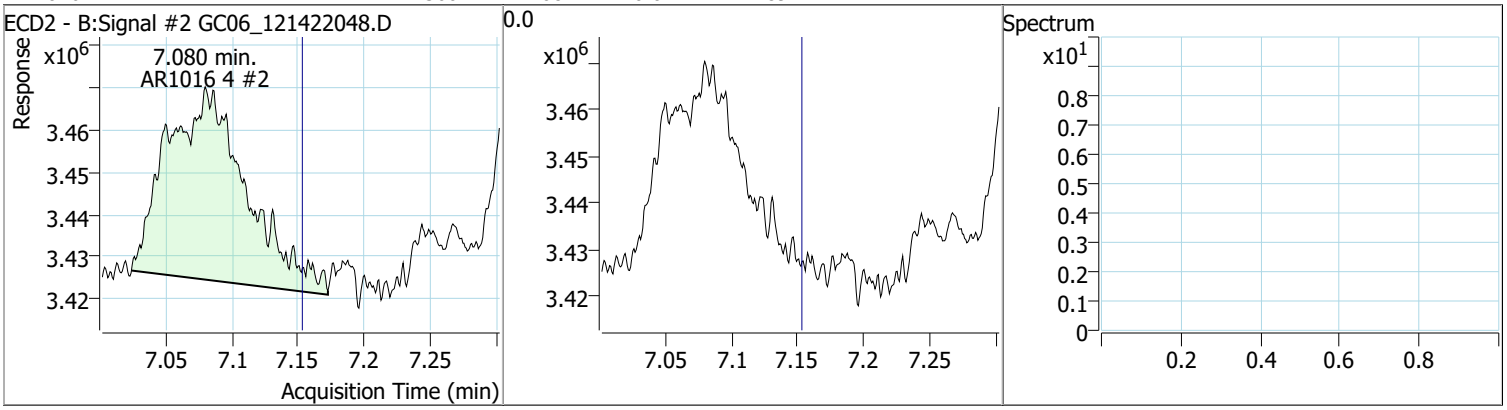
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	968.9274	6.67	0.10	1904308				



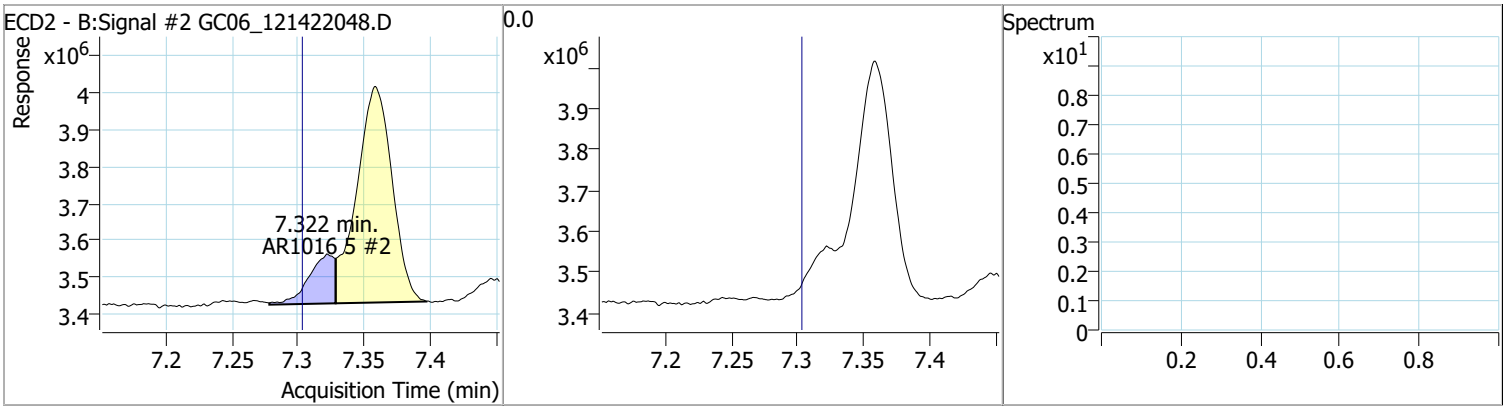
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	199.3637	7.08	0.11	3043779				



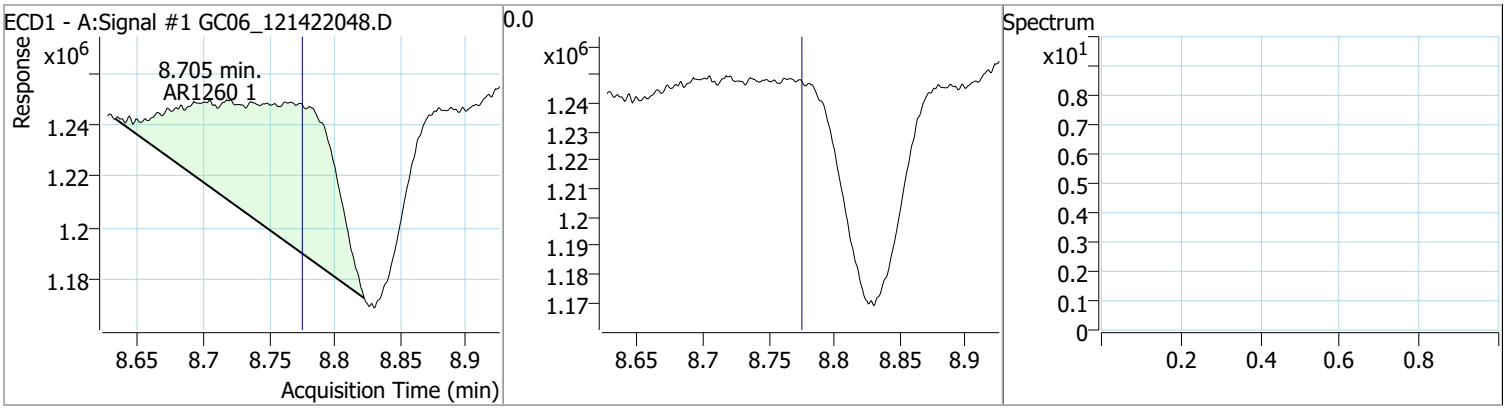
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	17.3601	7.08	-0.07	189217				



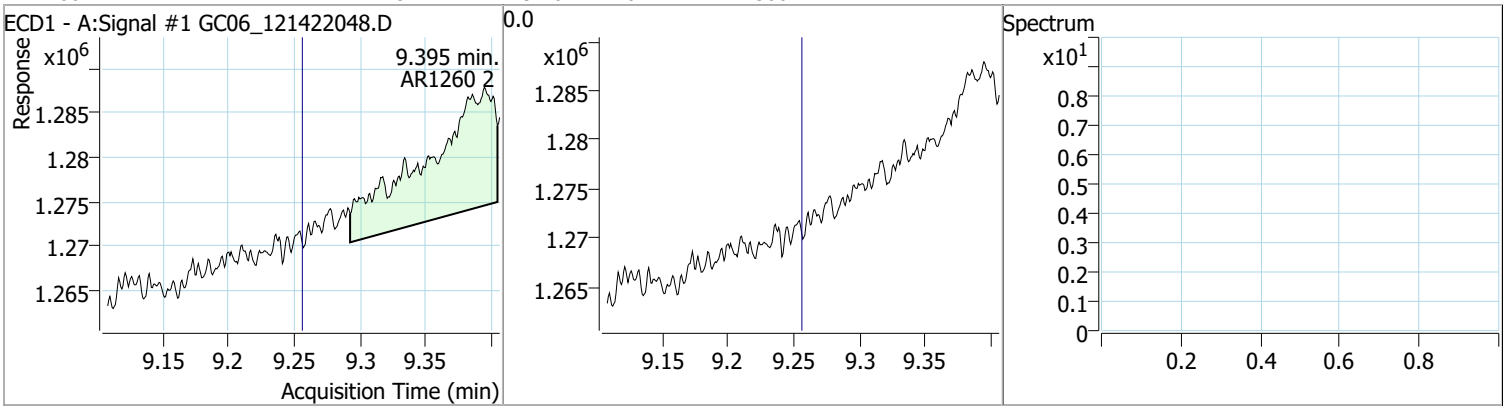
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	19.9675	7.32	0.02	176906				



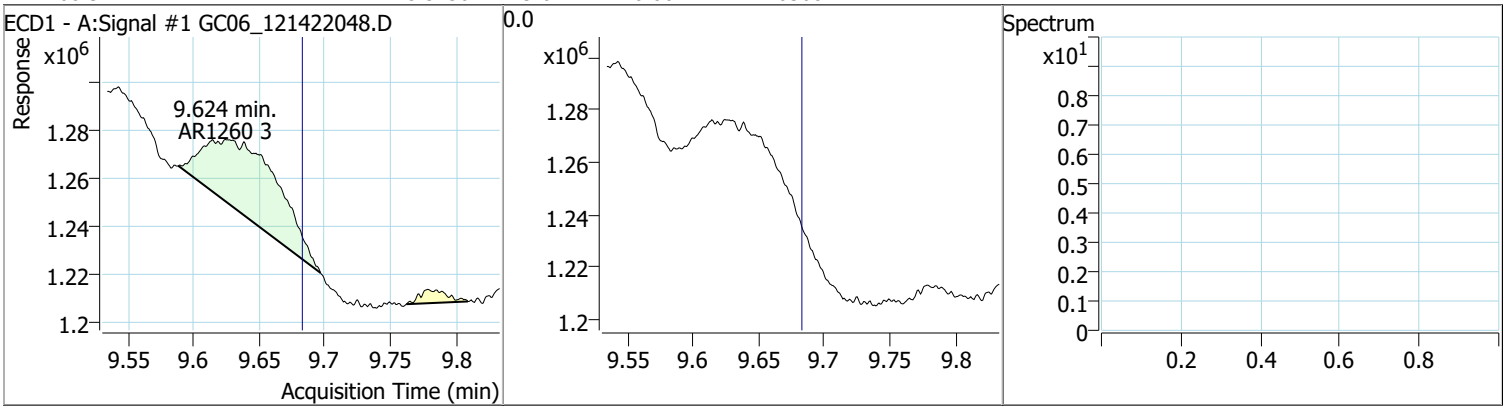
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	89.6131	8.71	-0.07	365681				



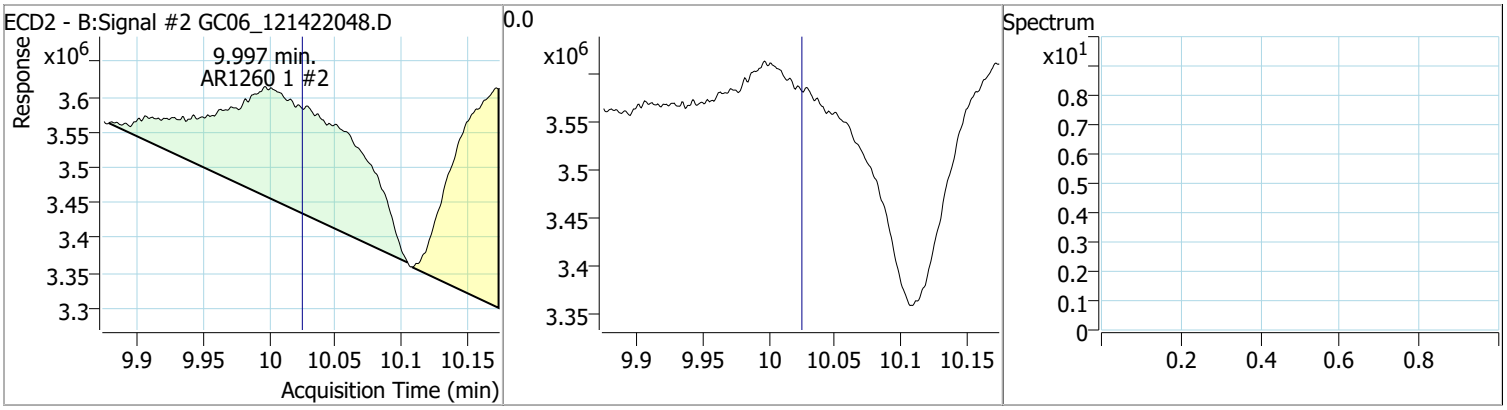
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	8.1471	9.40	0.14	50672				



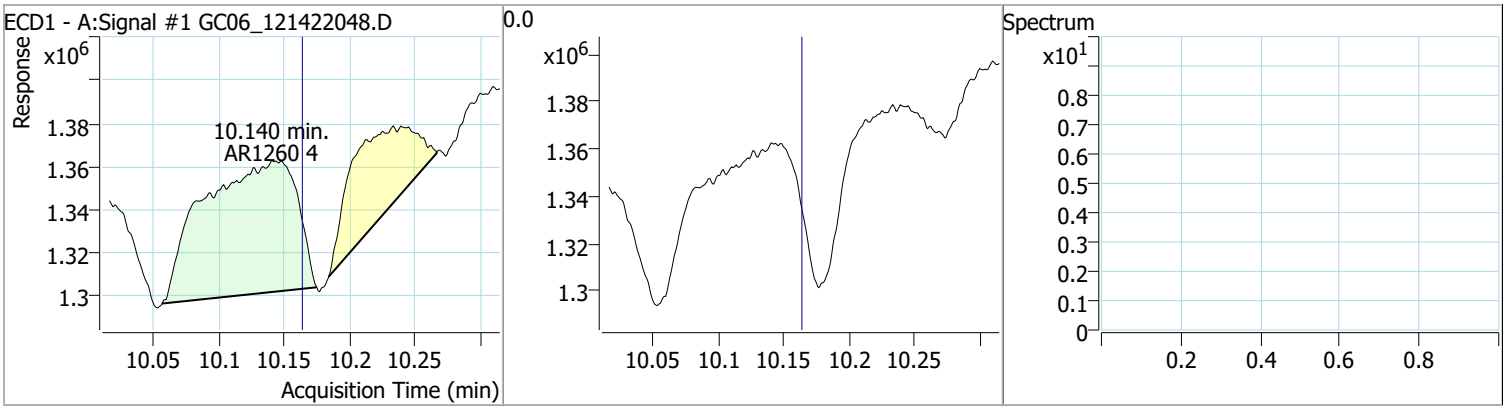
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	18.5156	9.62	-0.06	120368				



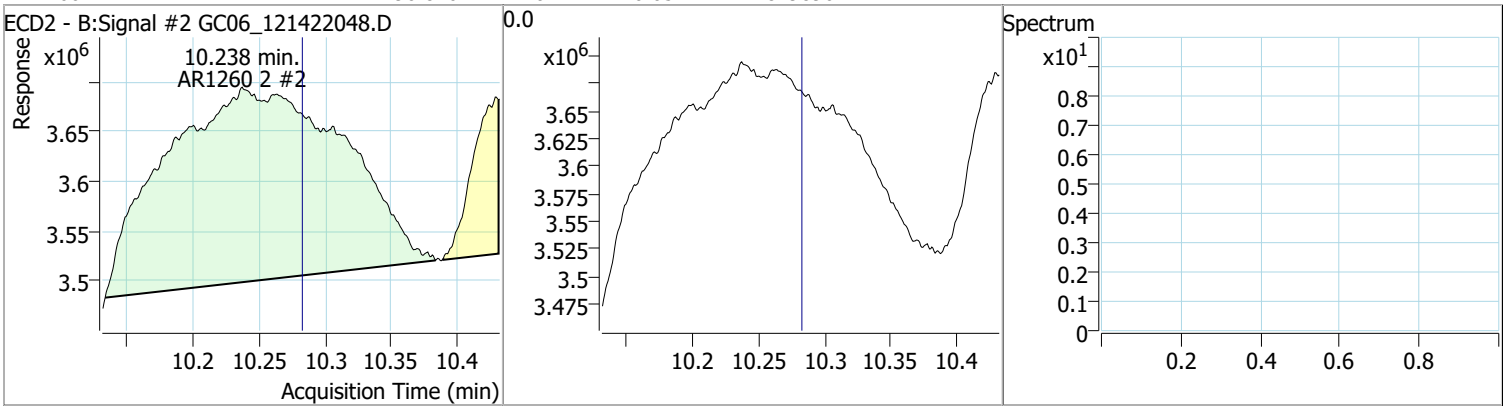
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	75.3118	10.00	-0.03	1255232				



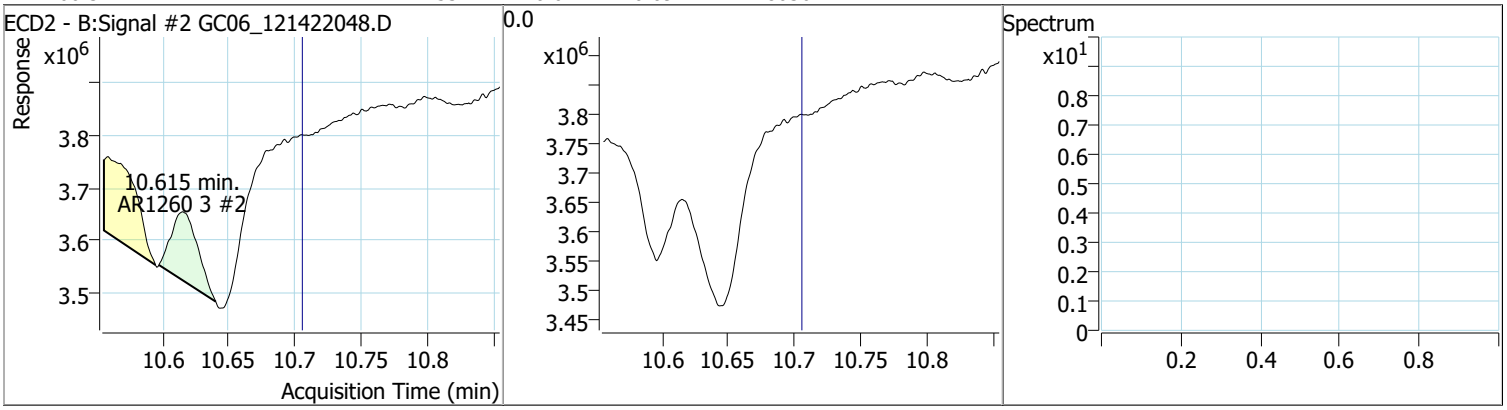
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	74.1590	10.14	-0.03	307650				



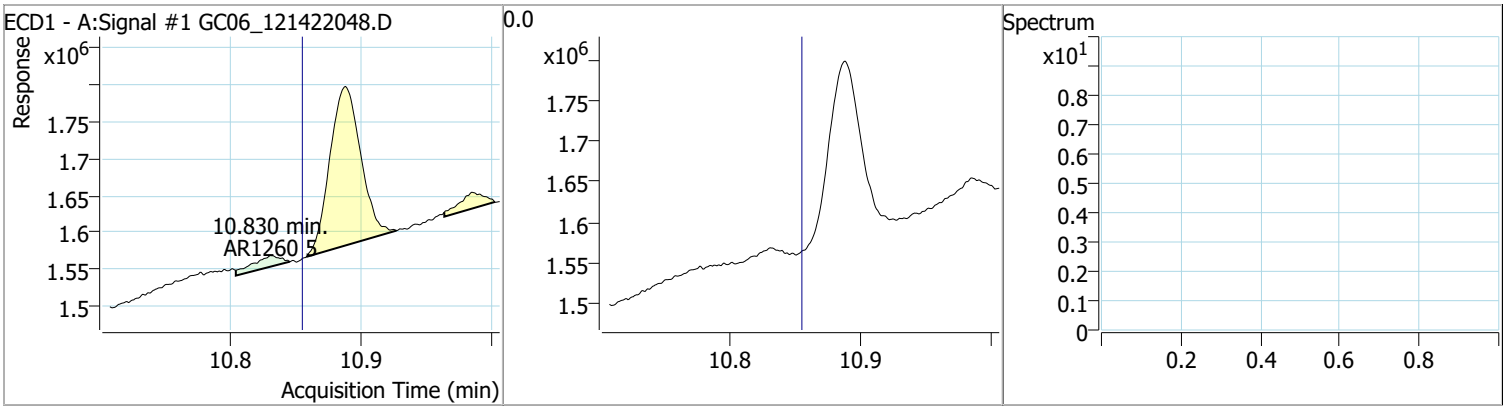
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	90.8767	10.24	-0.05	1819890				



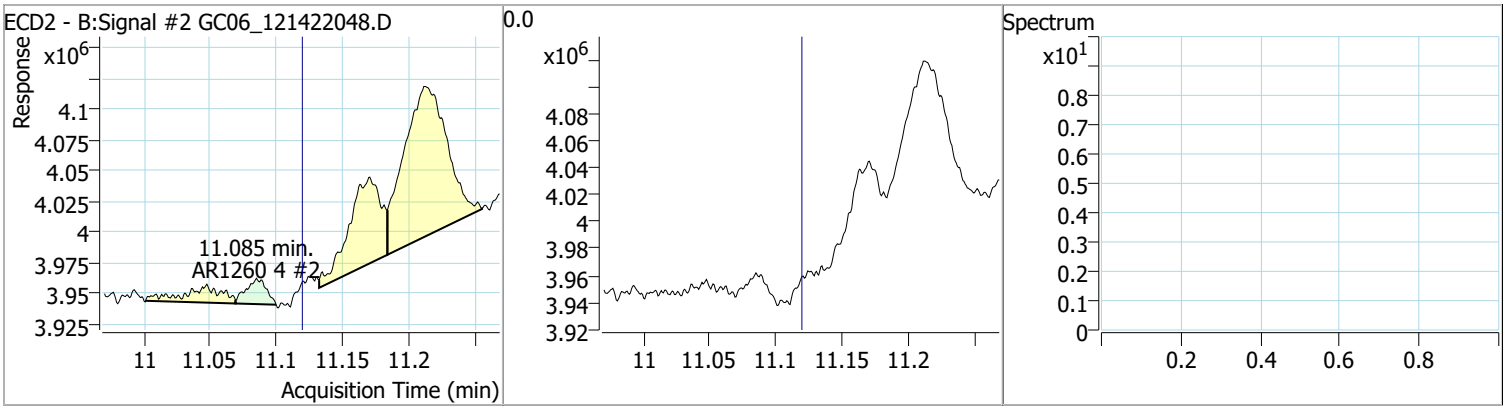
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.1153	10.62	-0.09	180362				



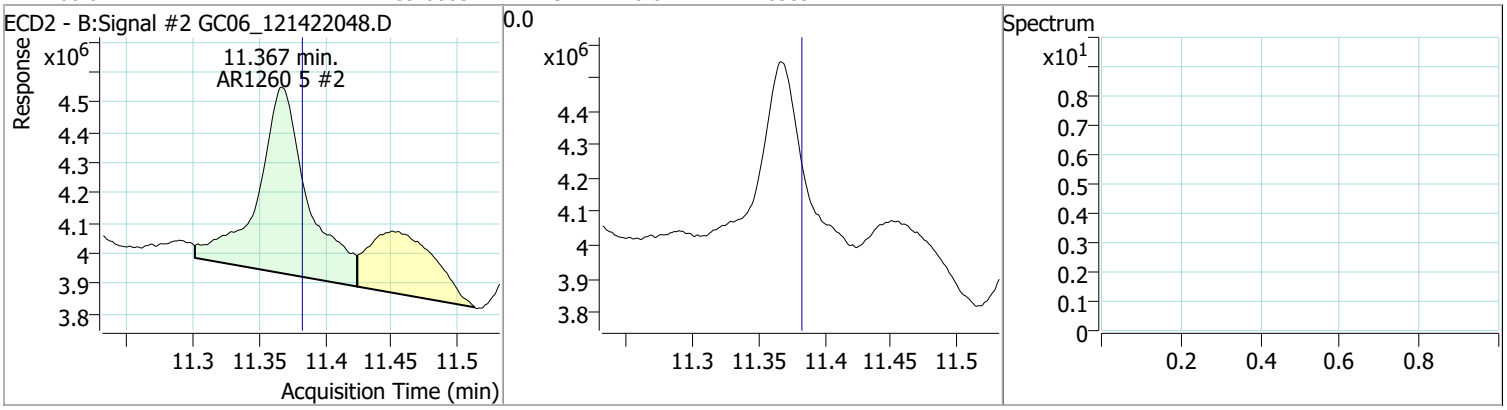
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	0.0000	10.83	-0.03	23343				



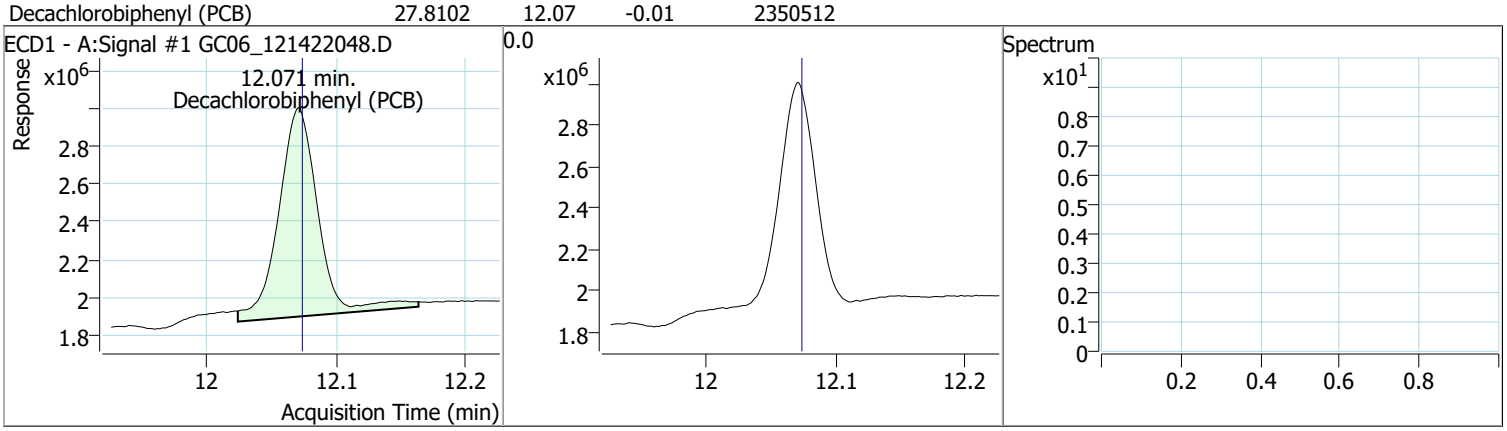
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.09	-0.03	22098				



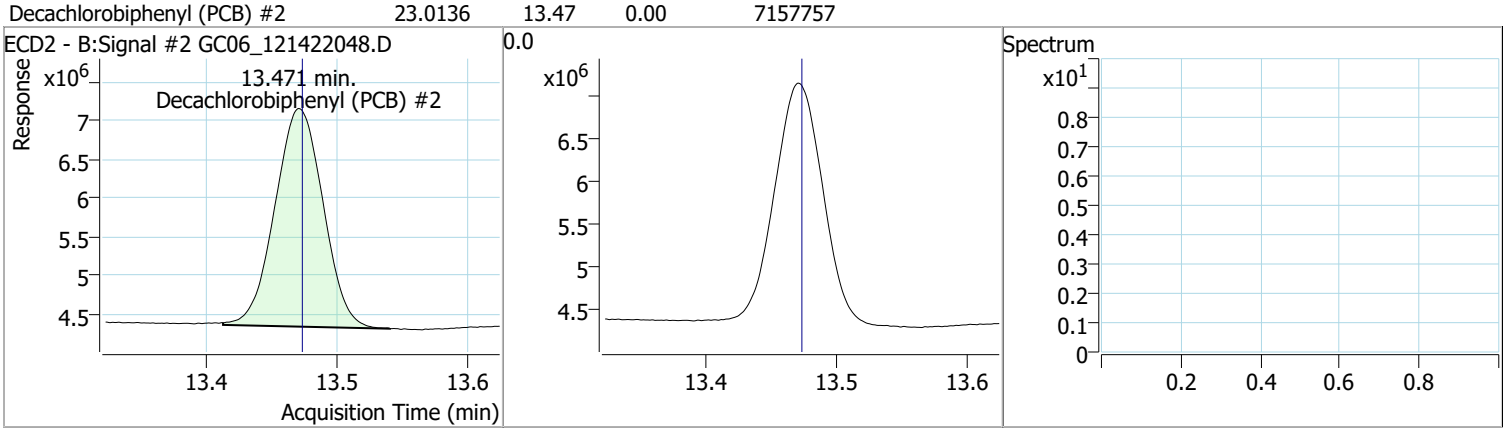
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	59.0003	11.37	-0.02	1635924				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	27.8102	12.07	-0.01	2350512				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	23.0136	13.47	0.00	7157757				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474711-010	Client ID:	20221209-2C-05-DUP
Seqnum:	452501809019	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422019	Batch:	303181	Time:	14-DEC-2022 17:34
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	59.07	~~1.2~~ ~~FP~~	0.78	41%	0.50		x u
Aroclor-1016 Peak # 1	B	251.2	5.02	2.98	51%			
Aroclor-1016 Peak # 2	B	18.92	0.38	ND	378%			
Aroclor-1016 Peak # 3	B	23.80	0.48	0.53	11%			
Aroclor-1016 Peak # 4	B	0.3938	0.01	0.02	97%			
Aroclor-1016 Peak # 5	B	1.021	0.02	0.48	184%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	20.35	ND	0.31	27%	0.50		u
Aroclor-1260 Peak # 1	B	40.81	0.82	0.84	3%			
Aroclor-1260 Peak # 2	B	52.13	1.04	0.00	198%			
Aroclor-1260 Peak # 3	B	3.630	0.07	0.01	133%			
Aroclor-1260 Peak # 4	B	-22.74	ND	0.61	1400%			
Aroclor-1260 Peak # 5	B	27.91	0.56	0.09	146%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	18.82	0.5000	0.3763	75	52-121	u
Decachlorobiphenyl (PCB)	B	17.23	0.5000	0.3447	69	50-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5307613	4764315	-10.24
1-bromo-2-nitrobenzene (PCB)	A	1103956	1006037	-8.87

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

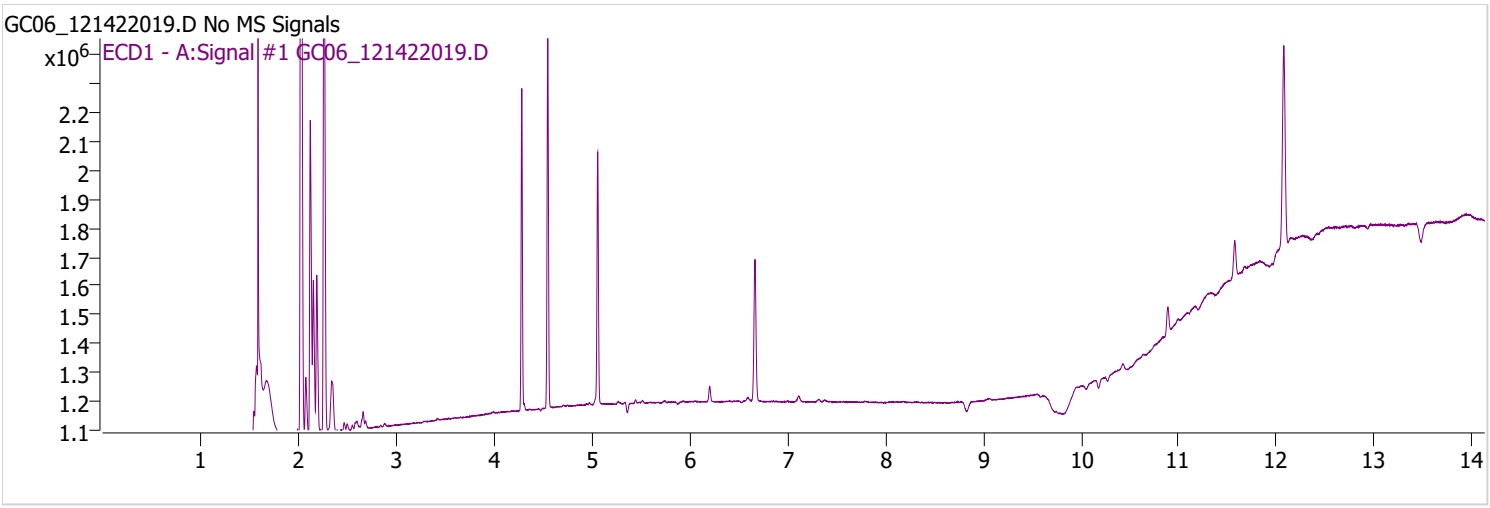
ISTD (CCV gc06_121422004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.28	-0.01

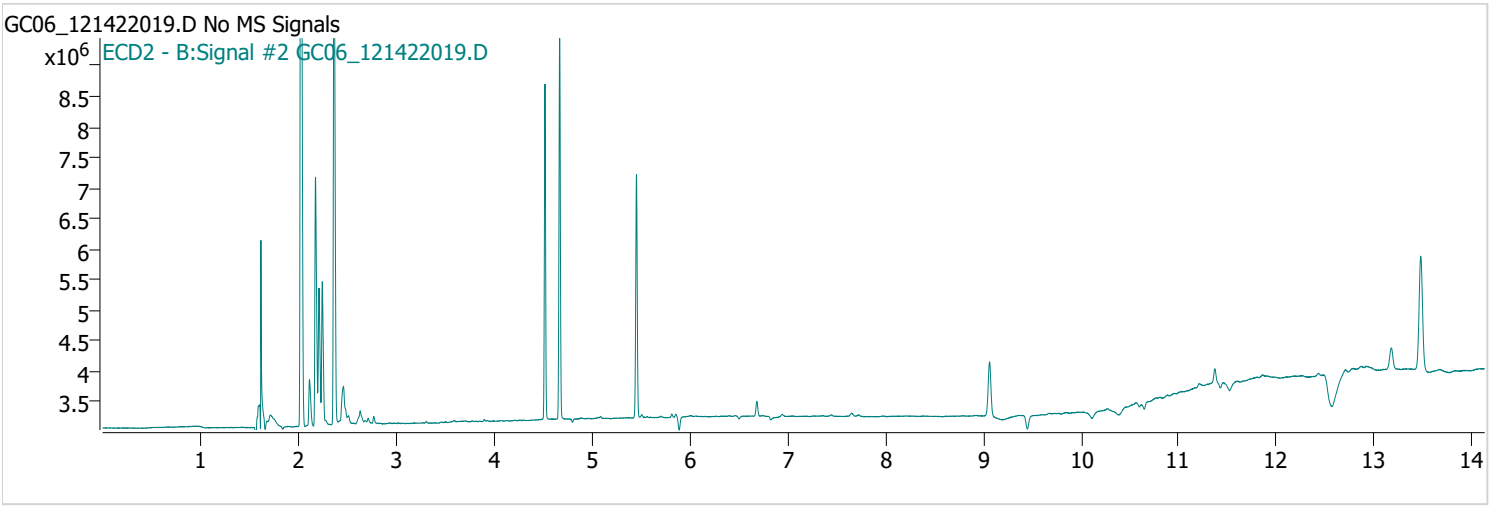
Analyst: MES 12/15/22

Reviewer: LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422019.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 5:34:38 PM
Sample Name	474711-010, 303181, 1	Instrument	SVOA-GC06
Vial	8	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



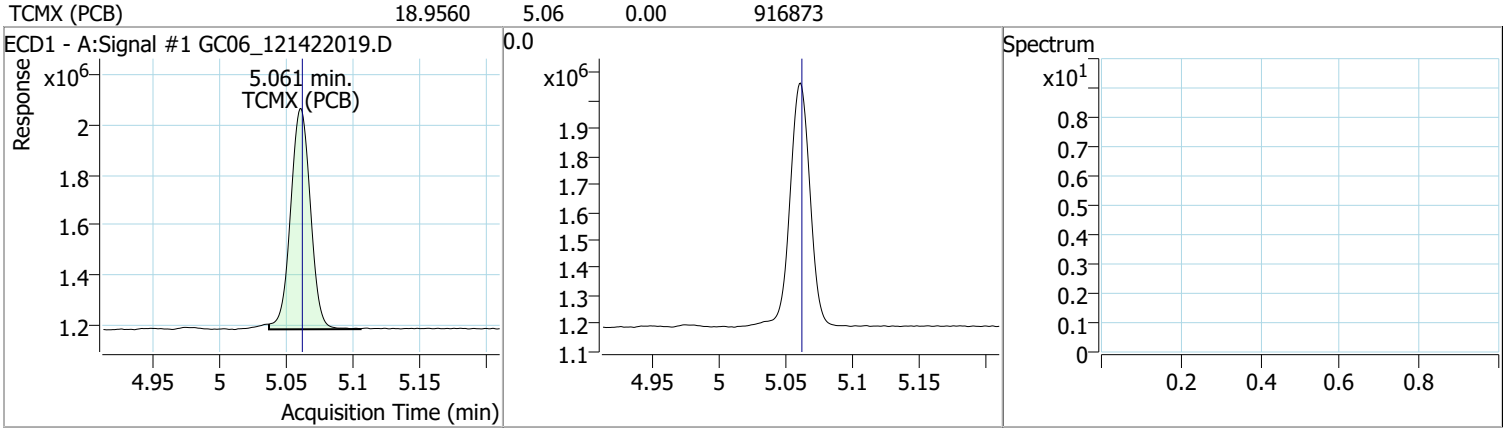


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	1006037.394	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	4764314.981	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.061	0.0	916872.542	18.9560	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 94.78%		
S TCMX (PCB) #2	5.457	0.0	4305098.872	18.8157	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 94.08%		
S Decachlorobiphenyl (PCB)	12.073	0.0	1519158.273	20.5924	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 102.96%		
S Decachlorobiphenyl (PCB) #2	13.473	0.0	4688370.131	17.2337	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 86.17%		
Target Compounds						**QValue**
T AR1016 1	5.448	0.0	157103.448	148.9474	ng/ml	100

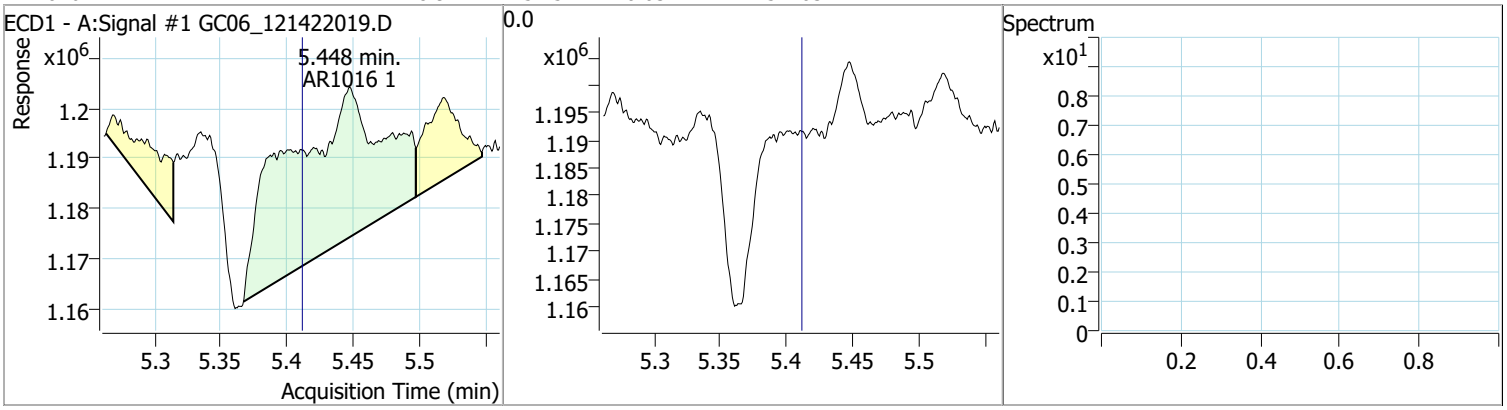
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.746	0.0	20043.671	0.0000	ng/ml	100
T AR1016 1 #2	6.009	0.0	1243993.800	251.2278	ng/ml	100
T AR1016 3	6.205	0.0	71292.900	26.6591	ng/ml	100
T AR1016 4	6.361	0.0	2303.718	1.1326	ng/ml	100
T AR1016 2 #2	6.402	0.0	135267.873	18.9240	ng/ml	100
T AR1016 5	6.597	0.0	39189.165	23.9216	ng/ml	100
T AR1016 3 #2	6.947	0.0	309106.980	23.7997	ng/ml	100
T AR1016 4 #2	7.153	0.0	3651.028	0.3938	ng/ml	100
T AR1016 5 #2	7.301	0.0	7695.215	1.0210	ng/ml	100
T AR1260 1	8.742	0.0	142862.891	42.0008	ng/ml	100
T AR1260 2	9.268	0.0	1046.836	0.2019	ng/ml	100
T AR1260 3	9.748	0.0	3940.269	0.7271	ng/ml	100
T AR1260 1 #2	10.030	0.0	578659.227	40.8123	ng/ml	100
T AR1260 4	10.138	0.0	130968.355	30.3194	ng/ml	100
T AR1260 2 #2	10.273	0.0	888138.522	52.1335	ng/ml	100
T AR1260 3 #2	10.621	0.0	78284.697	3.6304	ng/ml	100
T AR1260 5	10.889	0.0	135537.773	4.3682	ng/ml	100
T AR1260 4 #2	11.095	0.0	10830.939	0.0000	ng/ml	100
T AR1260 5 #2	11.369	0.0	834610.137	27.9153	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

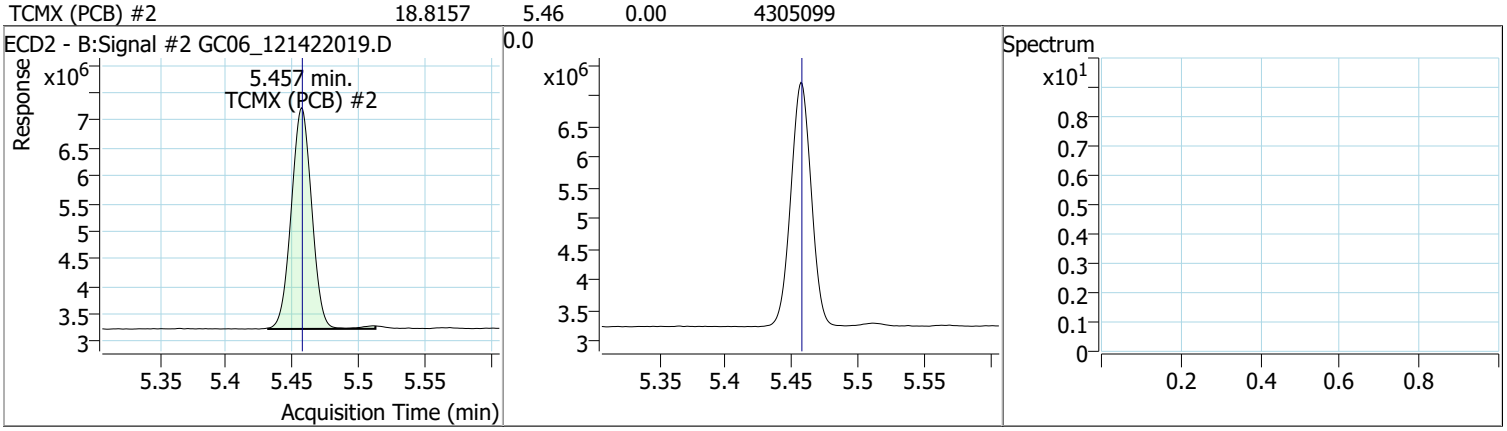
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.9560	5.06	0.00	916873				



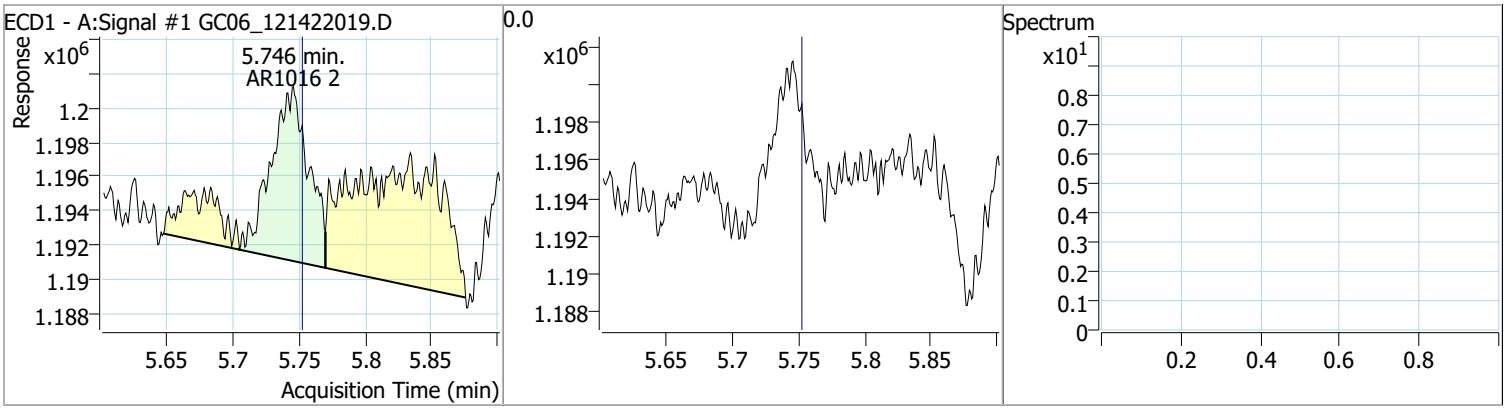
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	148.9474	5.45	0.03	157103				



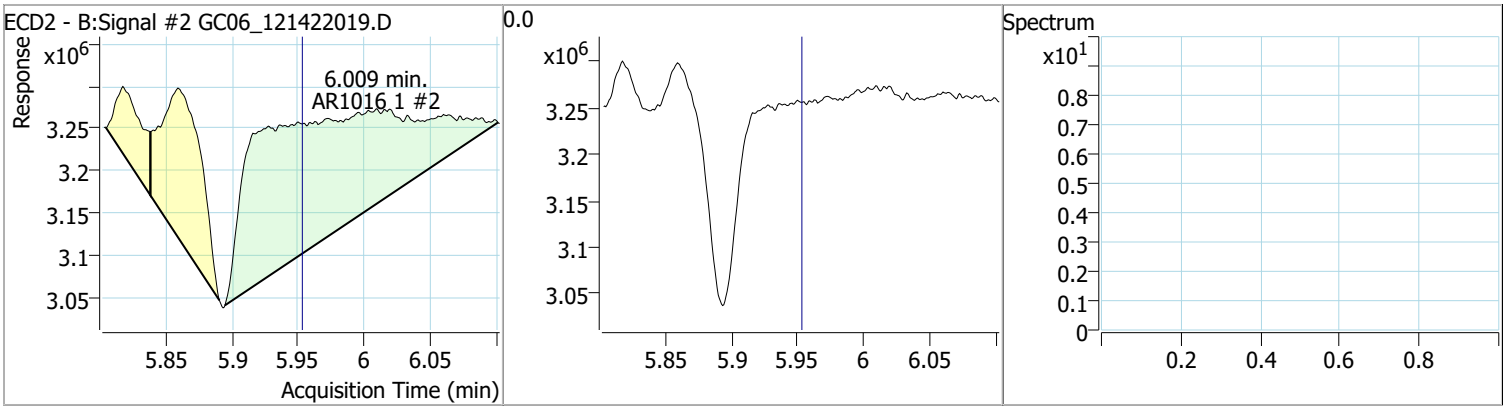
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	18.8157	5.46	0.00	4305099				



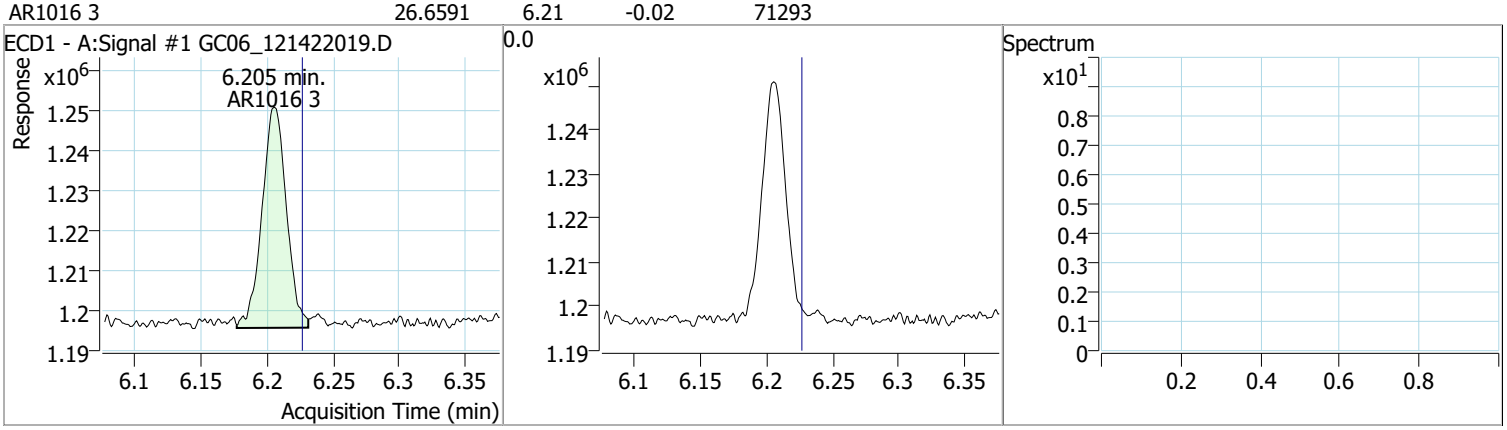
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.75	-0.01	20044				



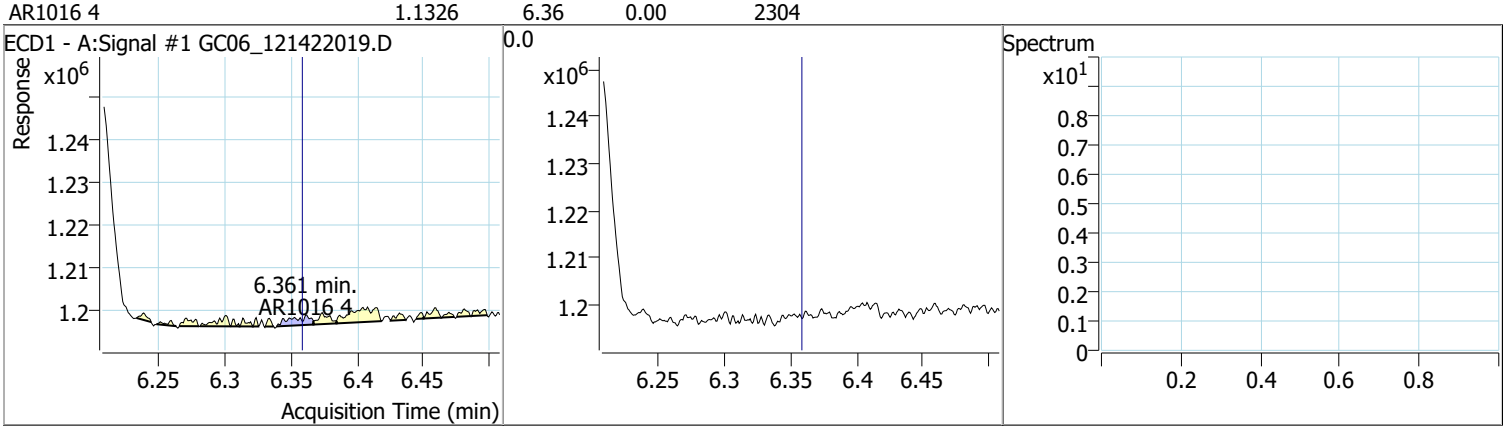
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	251.2278	6.01	0.06	1243994				



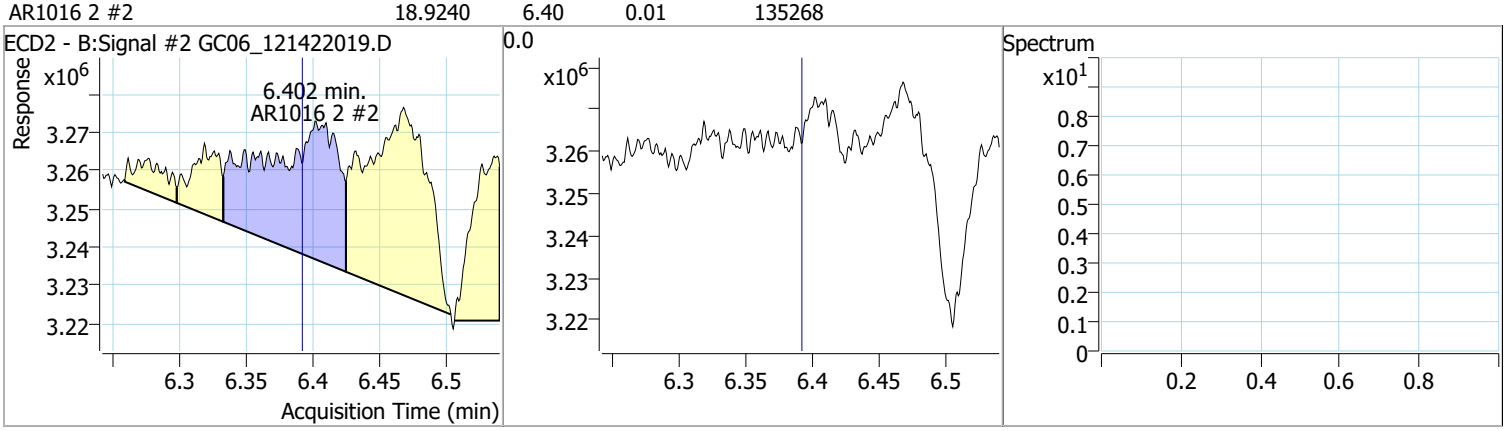
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	26.6591	6.21	-0.02	71293				



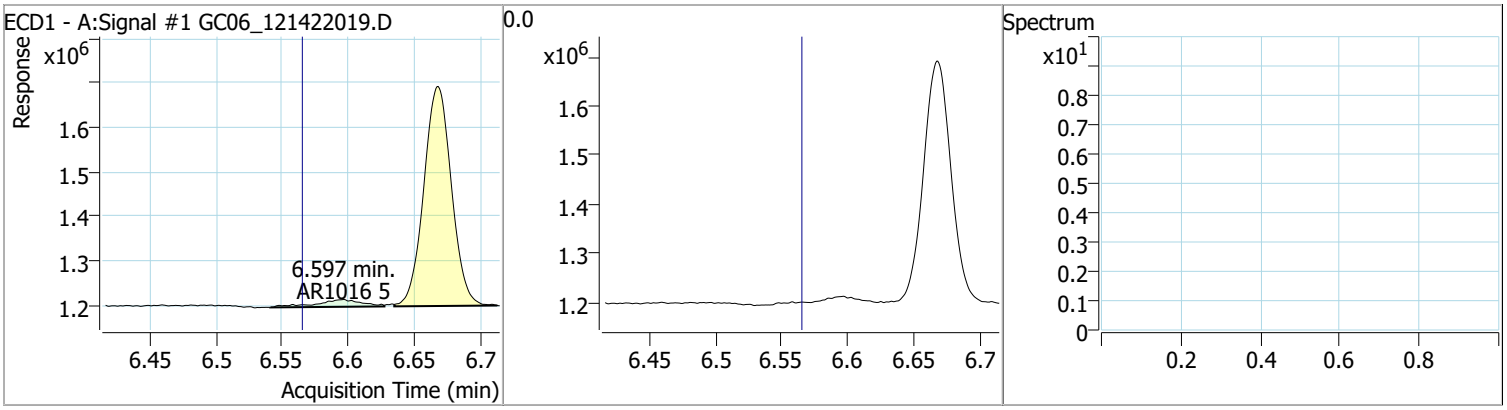
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1.1326	6.36	0.00	2304				



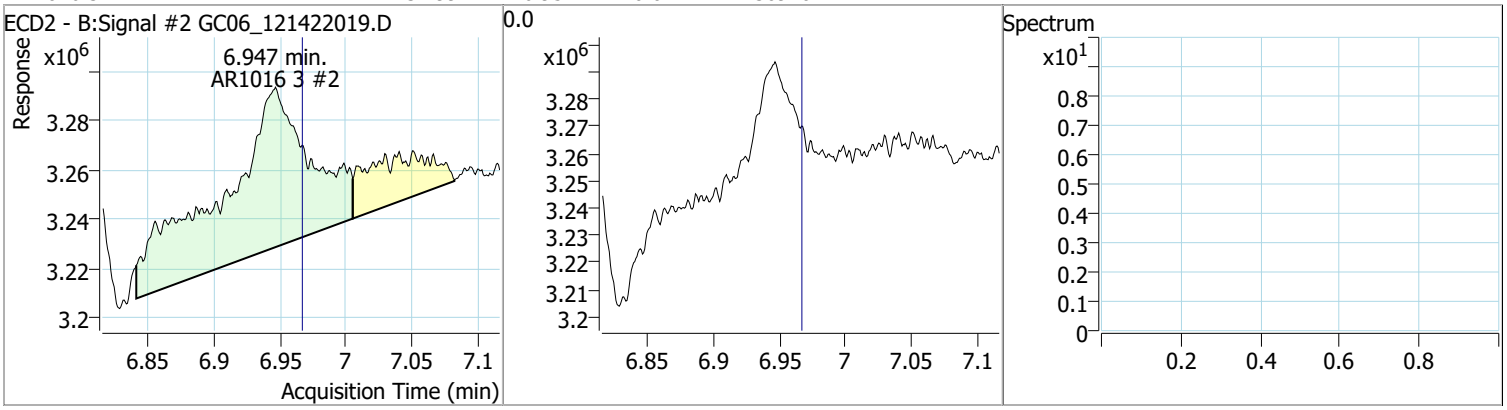
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	18.9240	6.40	0.01	135268				



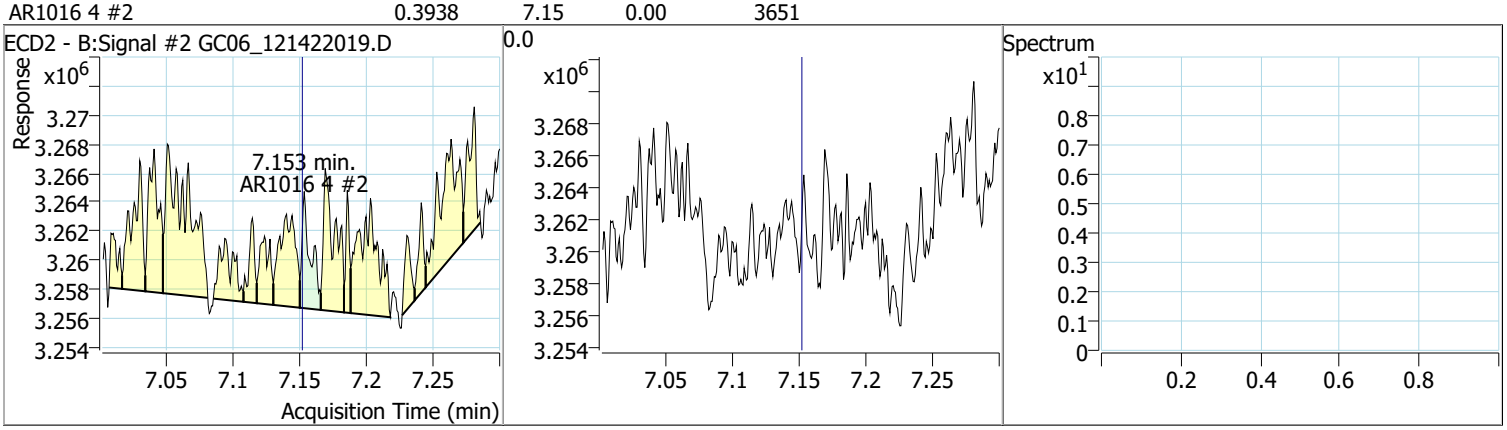
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	23.9216	6.60	0.03	39189				



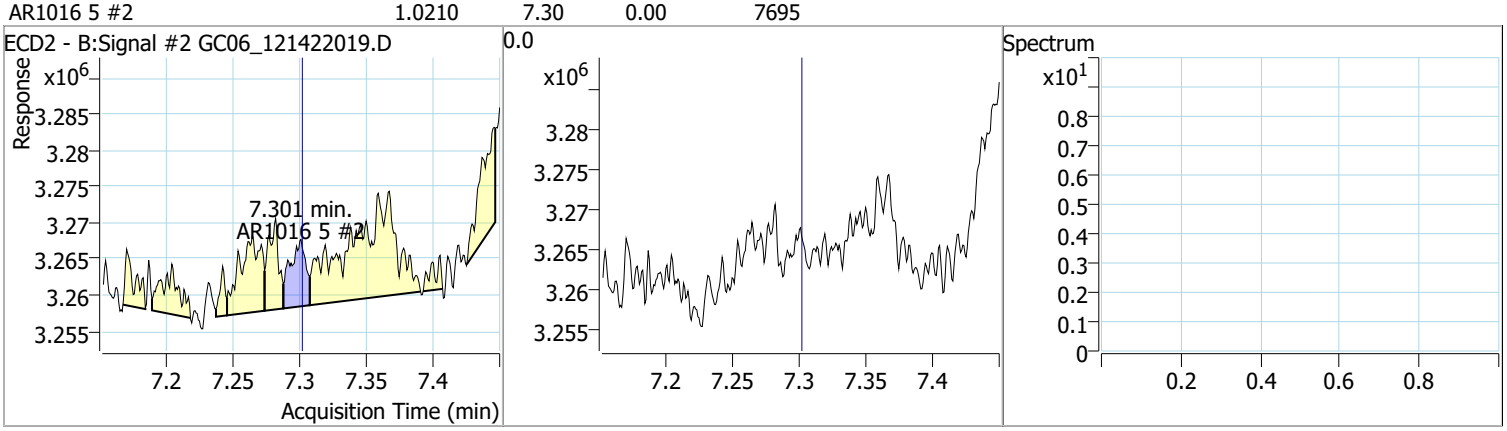
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	23.7997	6.95	-0.02	309107				



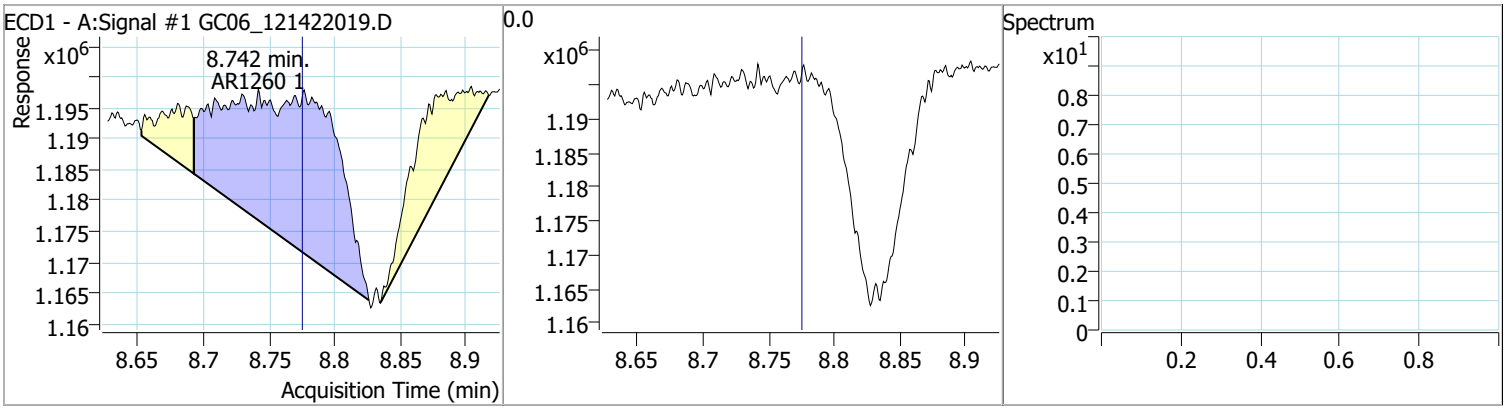
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.3938	7.15	0.00	3651				



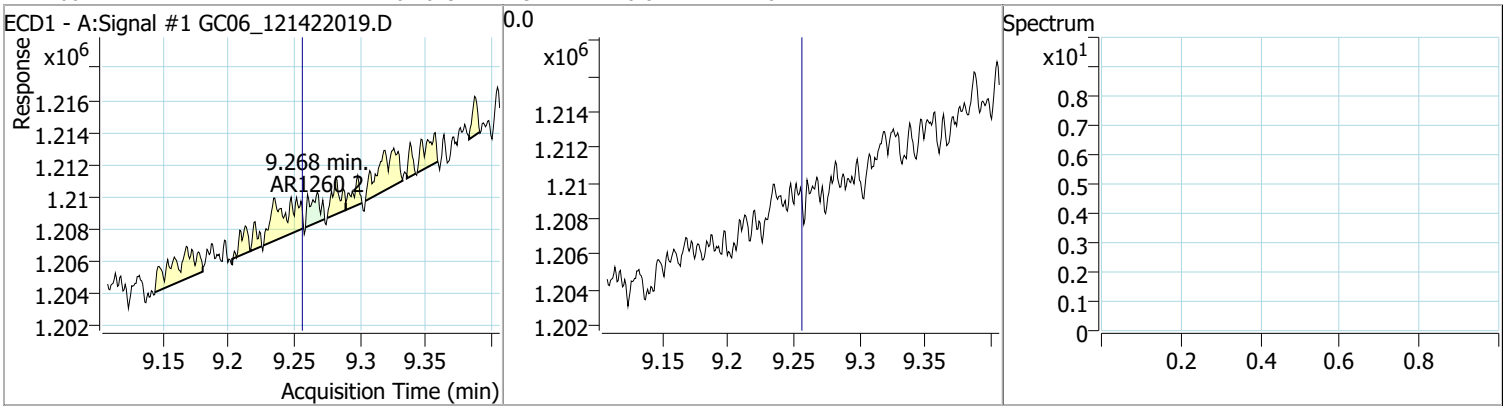
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.0210	7.30	0.00	7695				



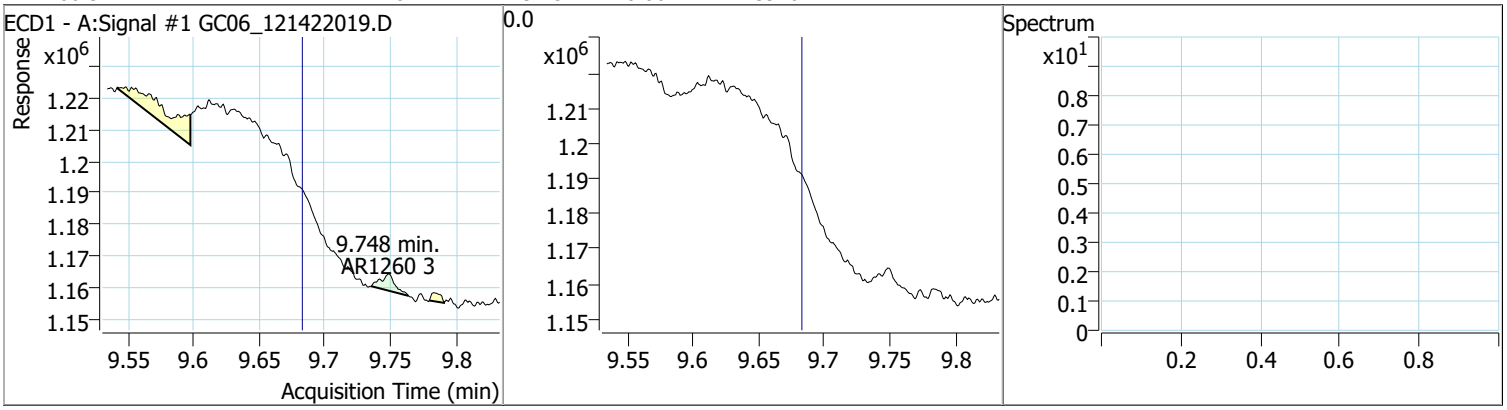
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	42.0008	8.74	-0.04	142863				



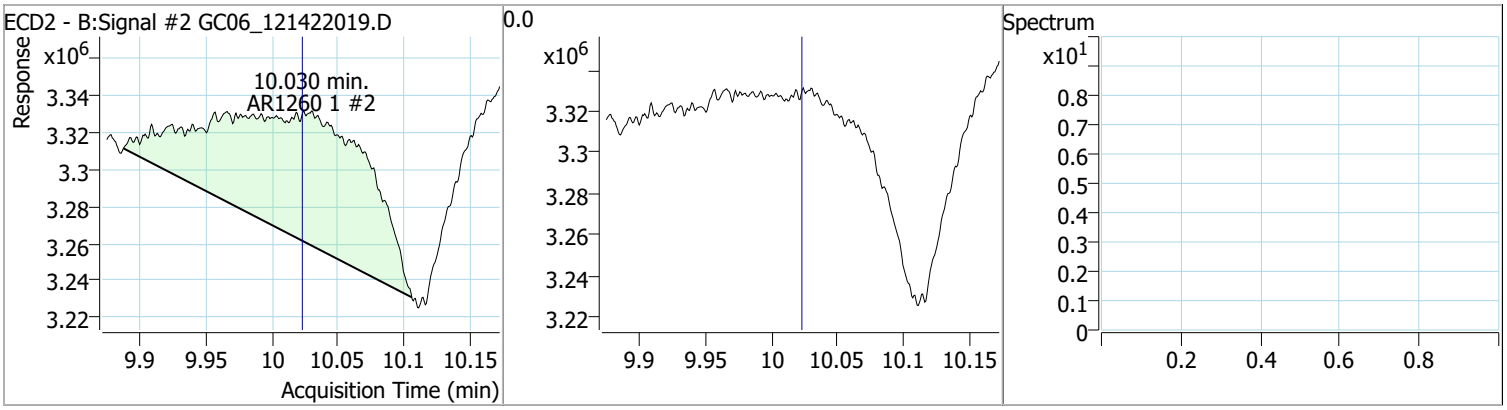
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.2019	9.27	0.01	1047				



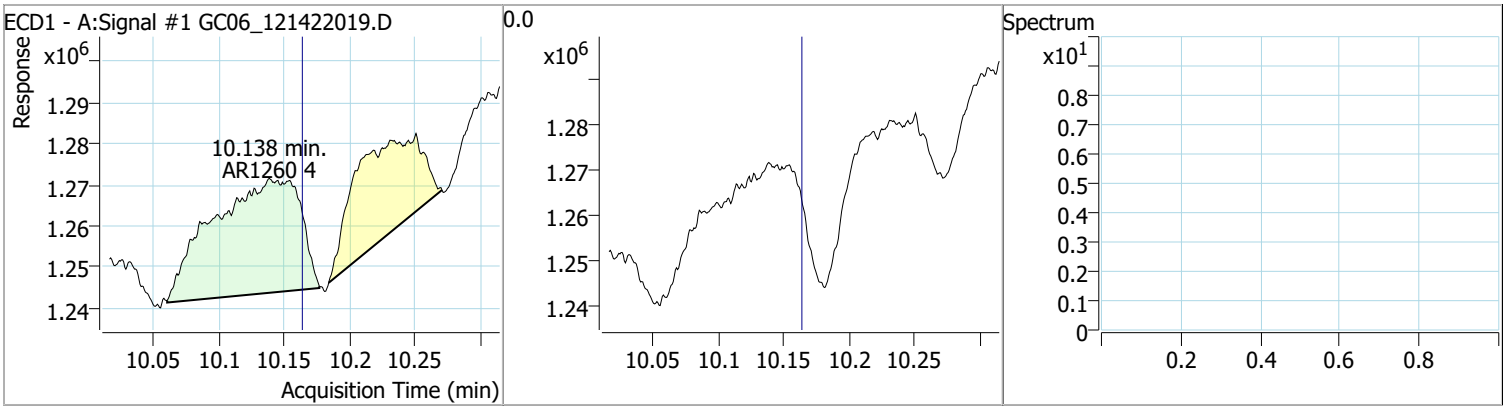
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.7271	9.75	0.06	3940				



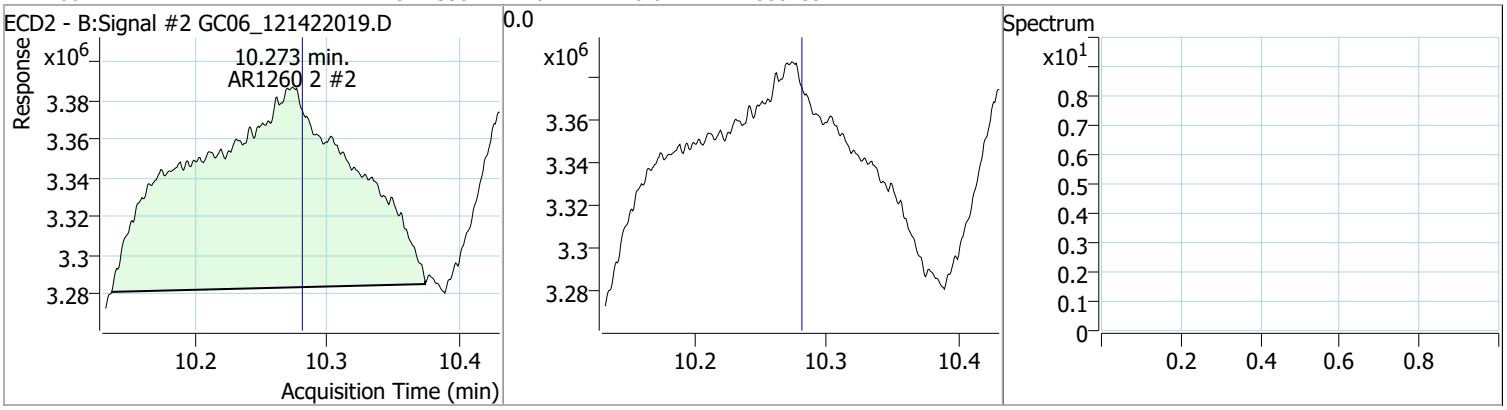
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	40.8123	10.03	0.00	578659				



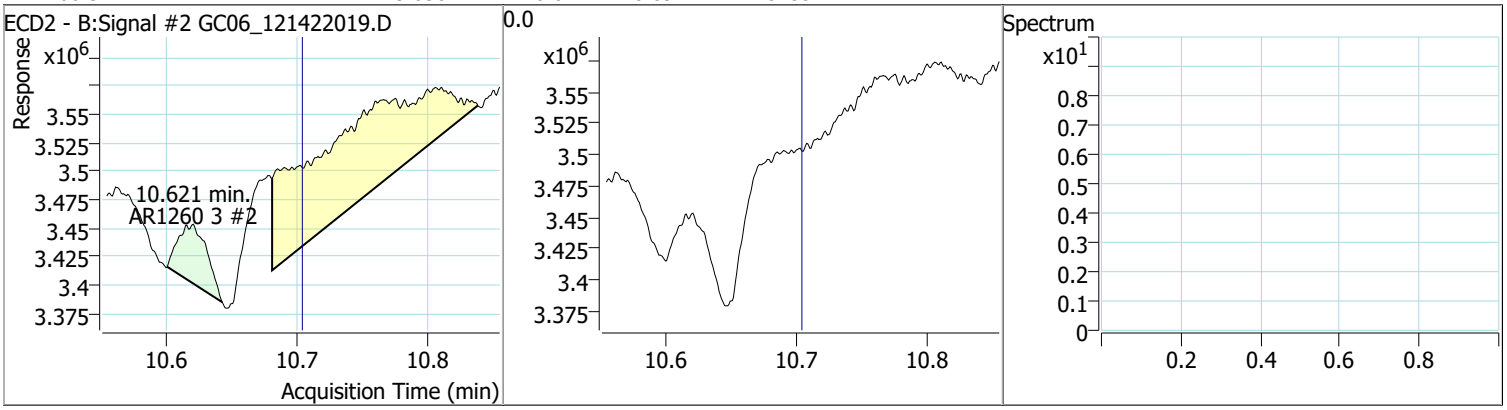
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	30.3194	10.14	-0.03	130968				



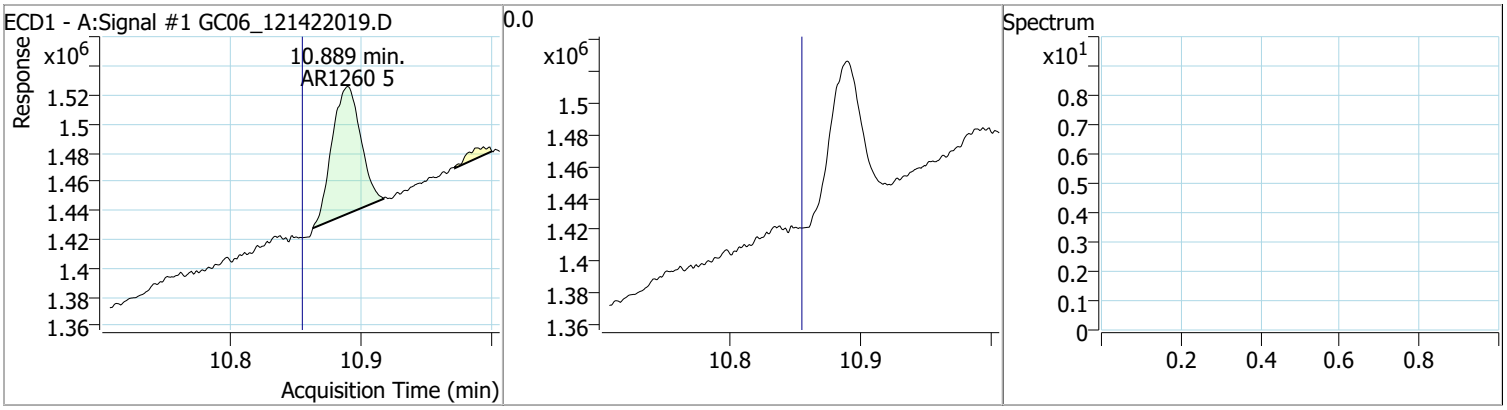
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	52.1335	10.27	-0.01	888139				



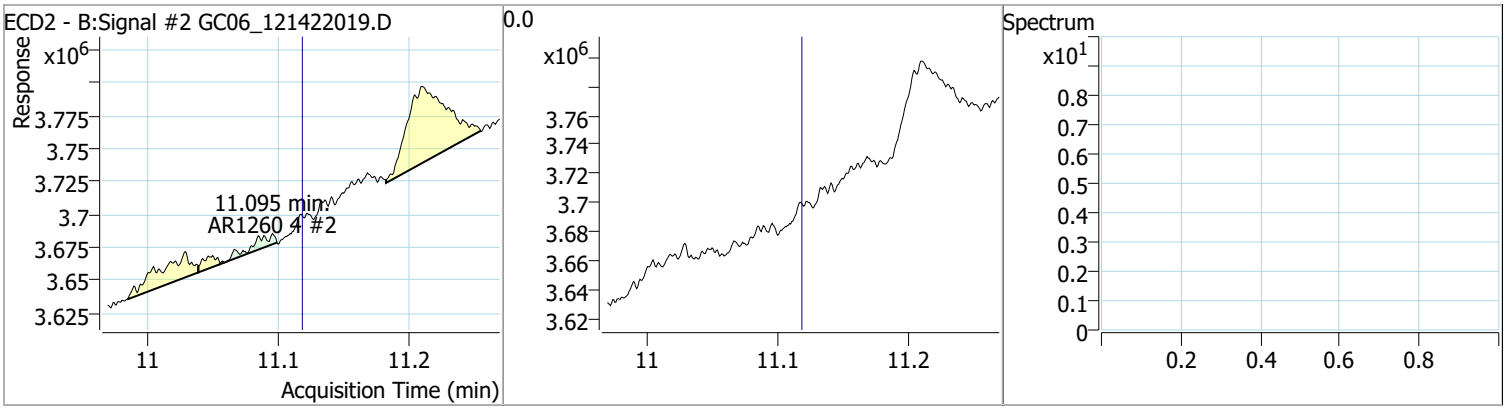
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	3.6304	10.62	-0.09	78285				



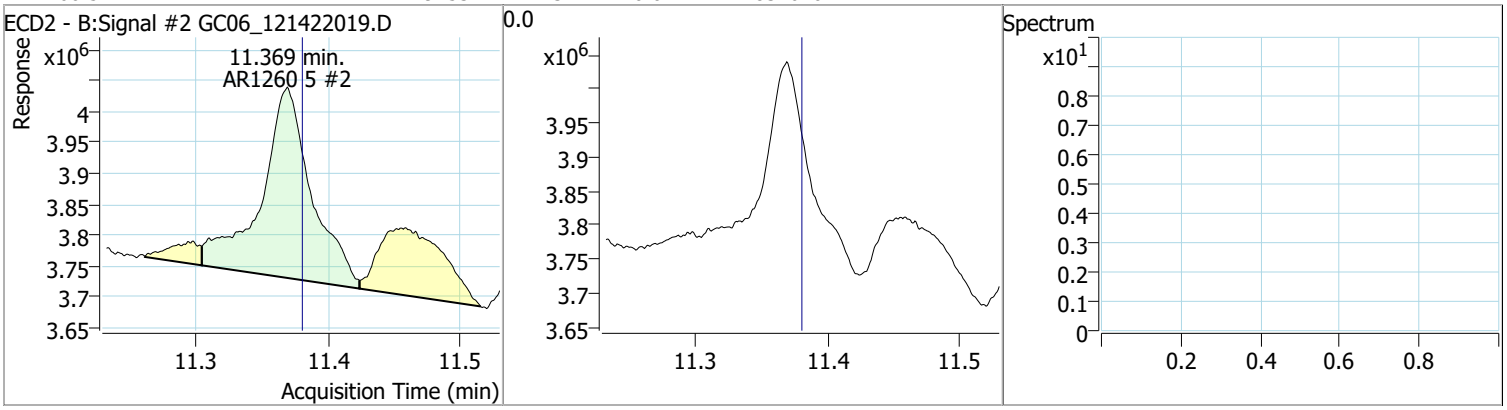
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	4.3682	10.89	0.03	135538				



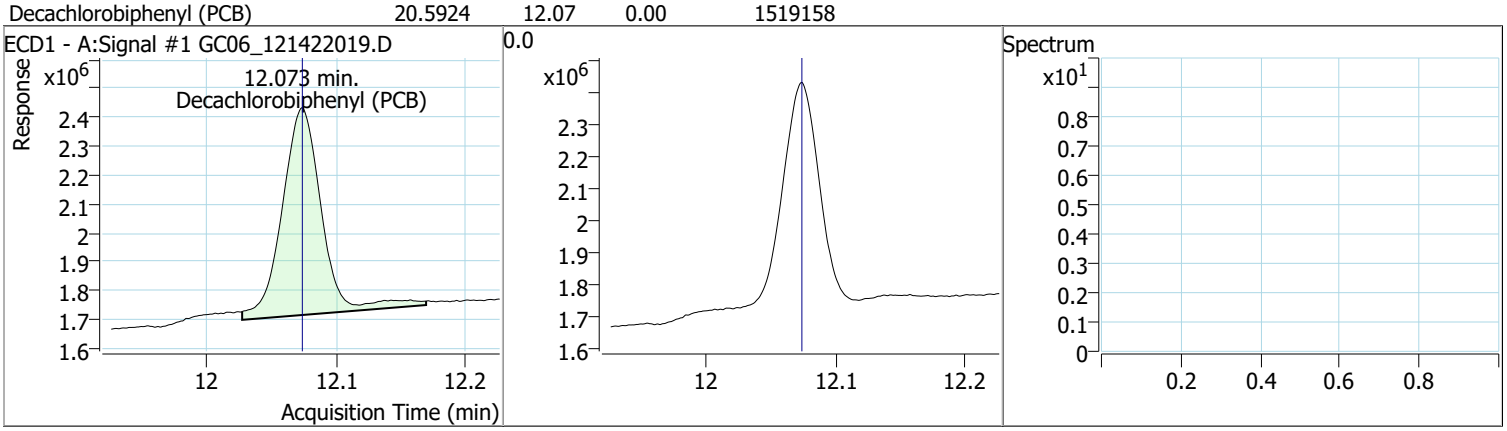
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.10	-0.02	10831				



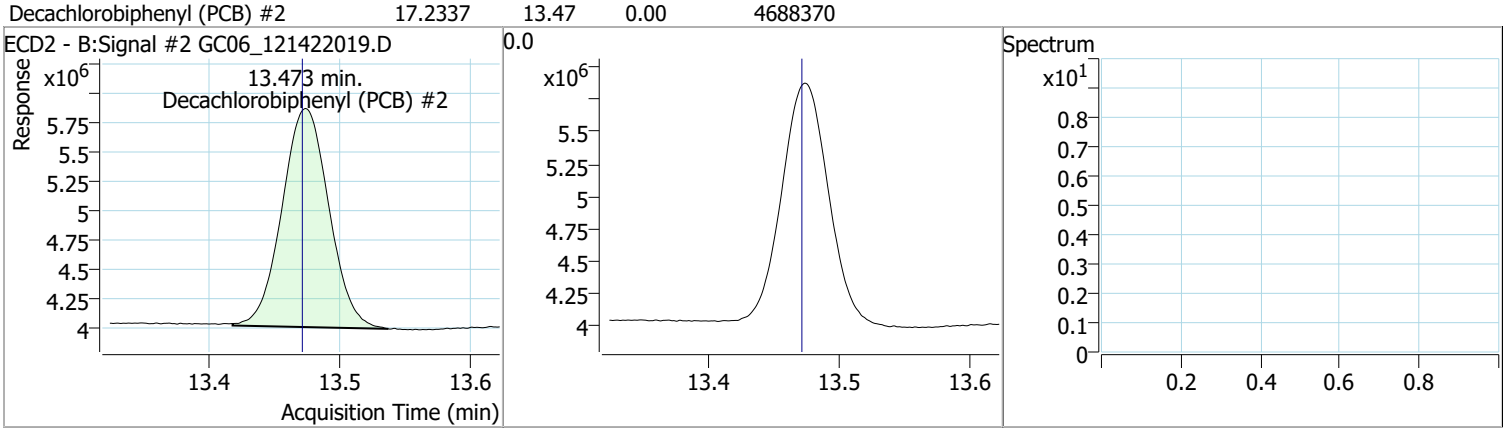
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	27.9153	11.37	-0.01	834610				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	20.5924	12.07	0.00	1519158				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	17.2337	13.47	0.00	4688370				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474711-011	Client ID:	20221209-2C-06
Seqnum:	452501809049	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422049	Batch:	303182	Time:	15-DEC-2022 02:44
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	128.9	~~1.3~~ ~~FP~~	2.4	60%	0.50		x u
Aroclor-1016 Peak # 1	B	305.6	3.06	2.11	36%			
Aroclor-1016 Peak # 2	B	159.9	1.60	0.02	195%			
Aroclor-1016 Peak # 3	B	153.5	1.53	0.70	75%			
Aroclor-1016 Peak # 4	B	1.262	0.01	1.47	197%			
Aroclor-1016 Peak # 5	B	24.10	0.24	7.69	188%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	33.64	ND	0.39	15%	0.50		u
Aroclor-1260 Peak # 1	B	70.96	0.71	1.05	38%			
Aroclor-1260 Peak # 2	B	63.39	0.63	0.00	198%			
Aroclor-1260 Peak # 3	B	8.381	0.08	0.20	82%			
Aroclor-1260 Peak # 4	B	-15.91	ND	0.86	291%			
Aroclor-1260 Peak # 5	B	41.39	0.41	ND	448%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	30.82	0.5000	0.3082	62	19-121	u
Decachlorobiphenyl (PCB)	B	29.69	0.5000	0.2969	59	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422036)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5560467	6045118	8.72
1-bromo-2-nitrobenzene (PCB)	A	1170615	1202825	2.75

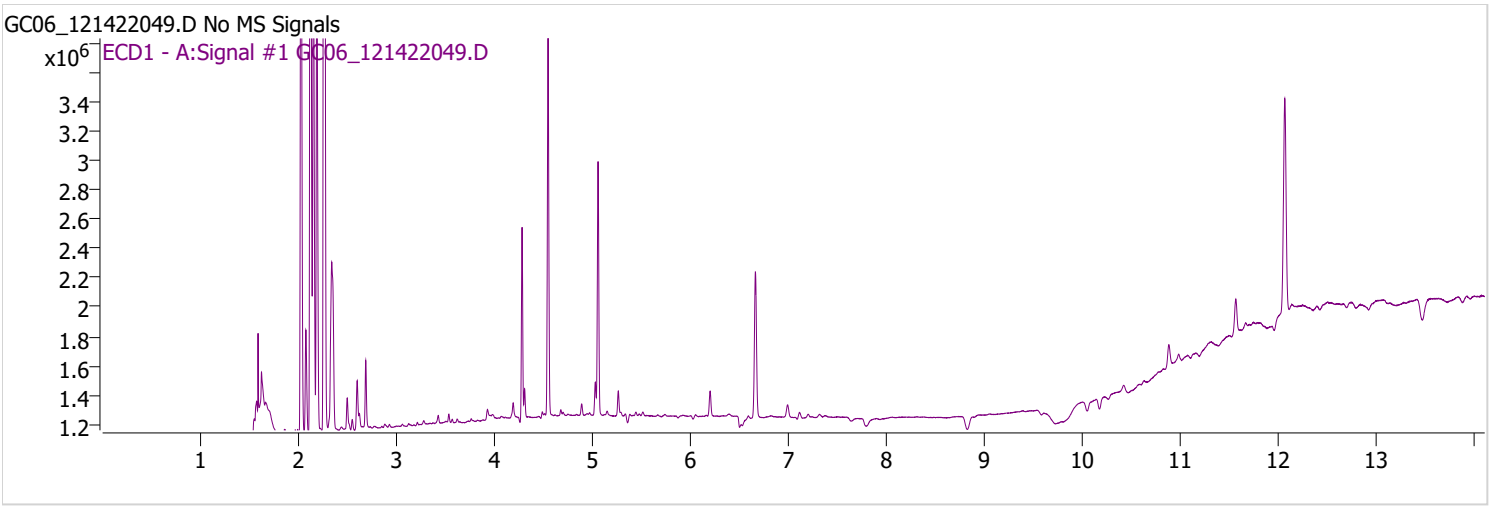
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

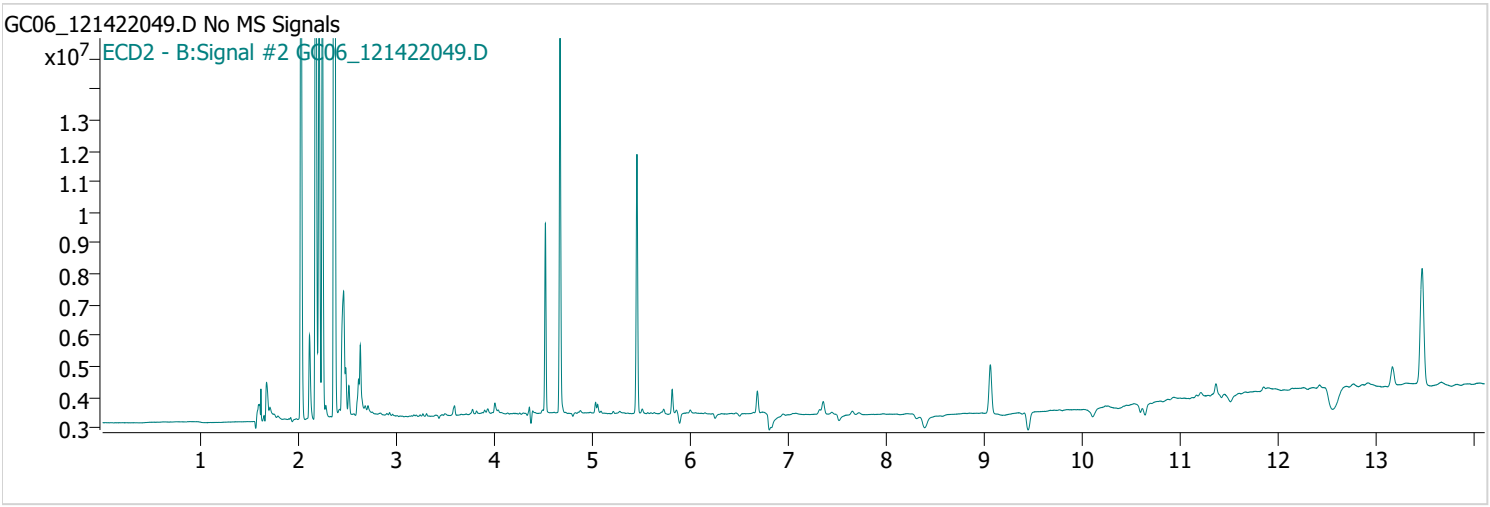
ISTD (CCV gc06_121422036)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

Analyst: MES 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422049.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 2:44:49 AM
Sample Name	474711-011, 303182, 1	Instrument	SVOA-GC06
Vial	32	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



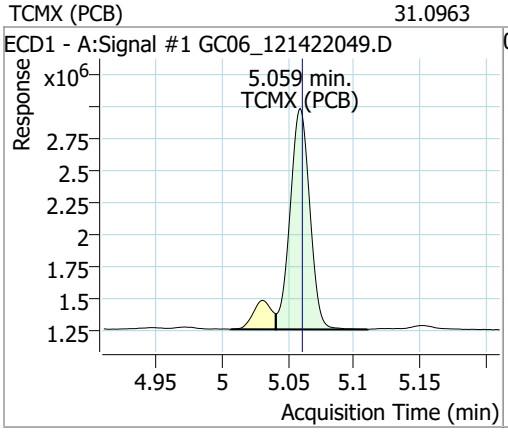


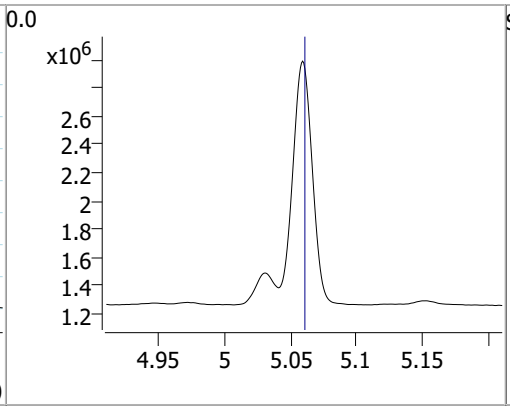
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.283	0.0	1202824.675	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	6045117.931	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.059	0.0	1798287.409	31.0963	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 155.48%		*	
S TCMX (PCB) #2	5.456	0.0	8947718.642	30.8208	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 154.10%		*	
S Decachlorobiphenyl (PCB)	12.070	0.0	3010544.517	36.9736	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 184.87%		*	
S Decachlorobiphenyl (PCB) #2	13.473	0.0	9778499.653	29.6890	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 148.45%			
Target Compounds							QValue

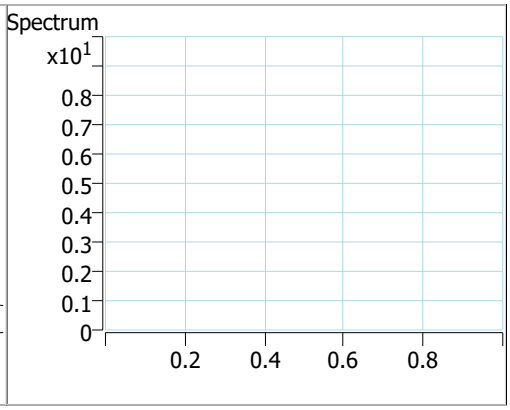
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.446	0.0	266679.834	211.4702	ng/ml	100
T AR1016 2	5.743	0.0	43684.984	2.0323	ng/ml	100
T AR1016 1 #2	6.001	0.0	1919935.356	305.5849	ng/ml	100
T AR1016 3	6.203	0.0	222516.998	69.5945	ng/ml	100
T AR1016 4	6.394	0.0	357794.201	147.1332	ng/ml	100
T AR1016 2 #2	6.468	0.0	1450153.325	159.8927	ng/ml	100
T AR1016 5	6.665	0.0	1505457.700	768.6062	ng/ml	100
T AR1016 3 #2	7.079	0.0	2529042.963	153.4667	ng/ml	100
T AR1016 4 #2	7.178	0.0	14849.158	1.2622	ng/ml	100
T AR1016 5 #2	7.323	0.0	230511.762	24.1046	ng/ml	100
T AR1260 1	8.742	0.0	426125.939	104.7823	ng/ml	100
T AR1260 2	9.284	0.0	1617.046	0.2609	ng/ml	100
T AR1260 3	9.608	0.0	129206.700	19.9431	ng/ml	100
T AR1260 1 #2	10.016	0.0	1276689.641	70.9659	ng/ml	100
T AR1260 4	10.143	0.0	347192.488	86.0209	ng/ml	100
T AR1260 2 #2	10.238	0.0	1370268.571	63.3925	ng/ml	100
T AR1260 3 #2	10.614	0.0	229319.039	8.3813	ng/ml	100
T AR1260 5	10.829	0.0	16234.327	0.0000	ng/ml	100
T AR1260 4 #2	11.167	0.0	116319.886	0.0000	ng/ml	100
T AR1260 5 #2	11.367	0.0	1365596.452	41.4001	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

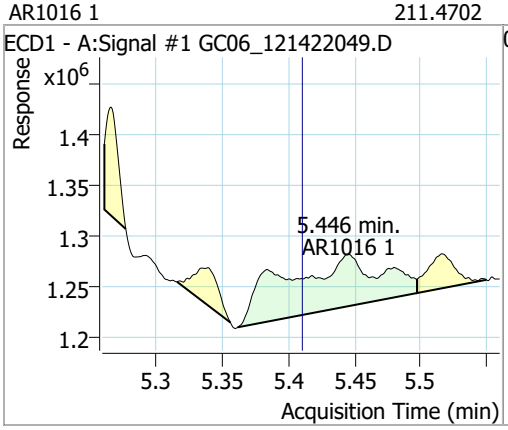
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.0963	5.06	0.00	1798287				

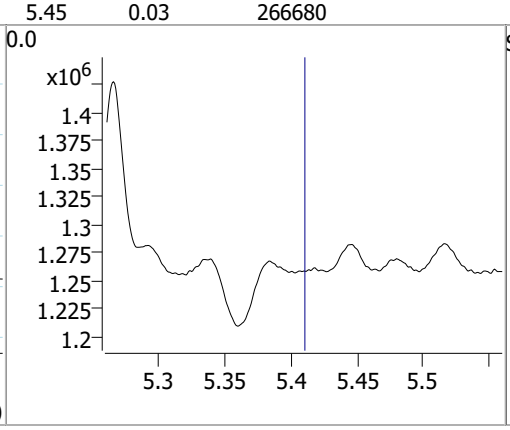


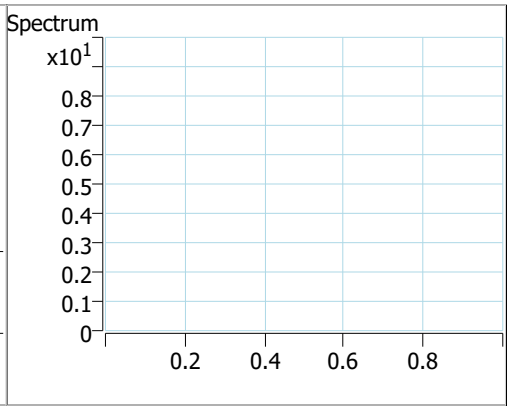




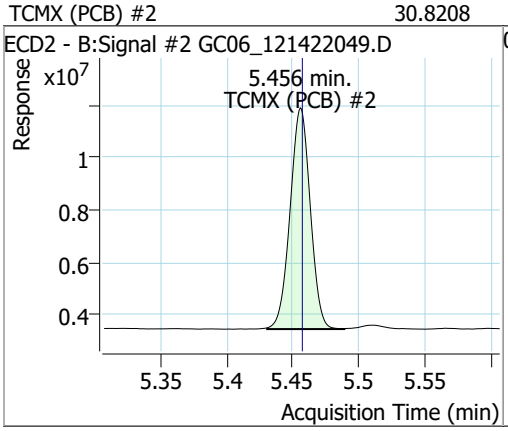
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	211.4702	5.45	0.03	266680				

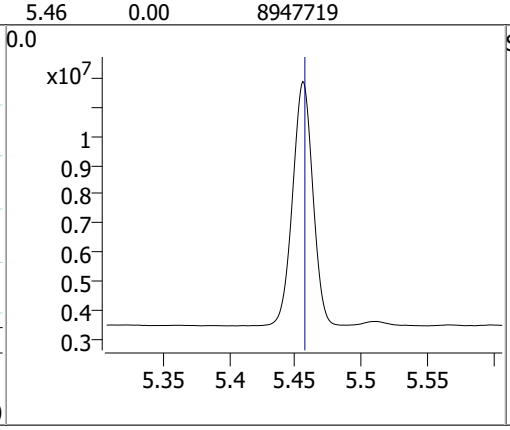


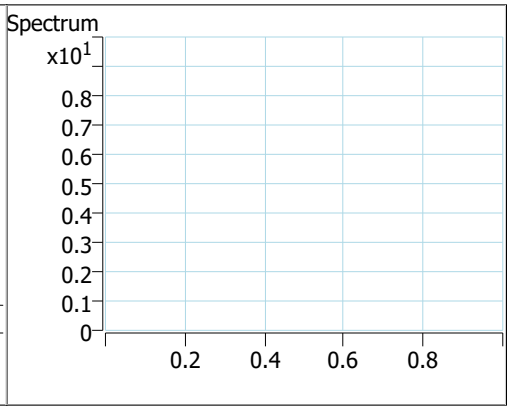




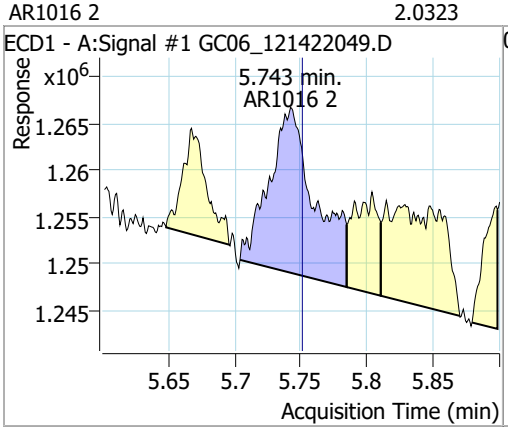
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	30.8208	5.46	0.00	8947719				

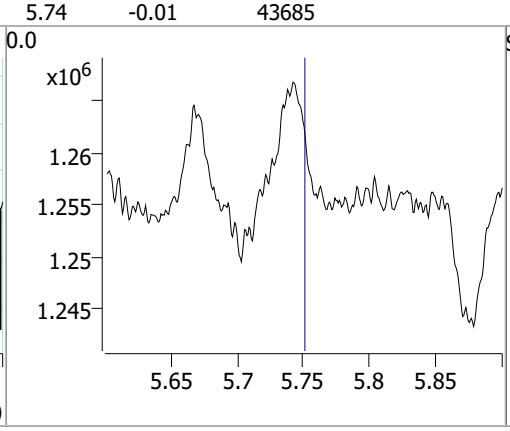


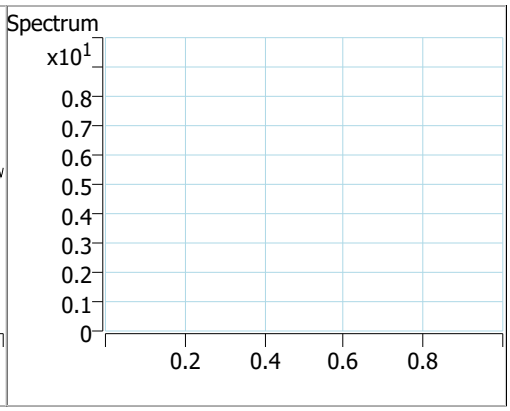




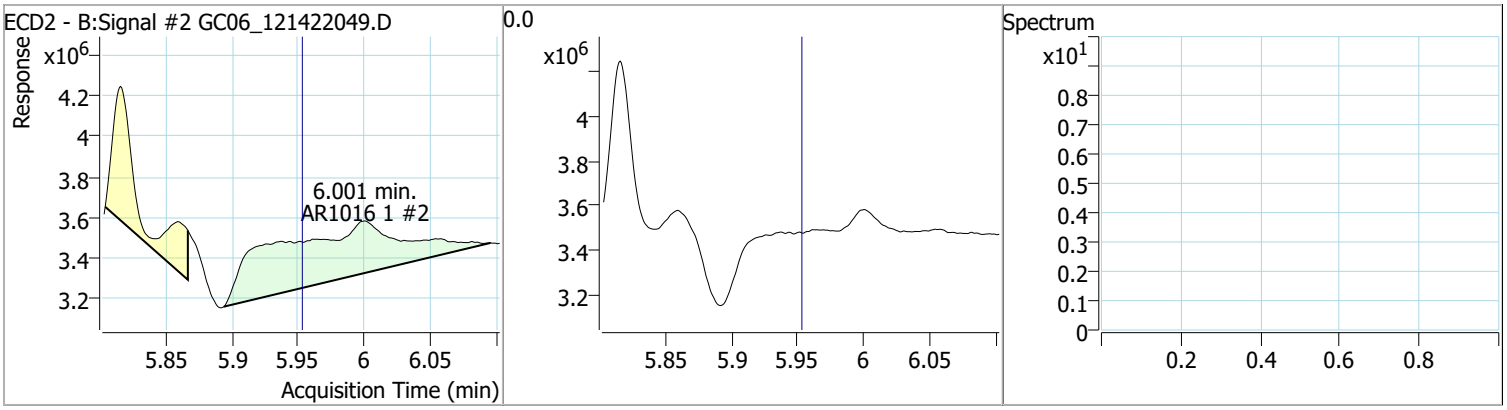
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	2.0323	5.74	-0.01	43685				



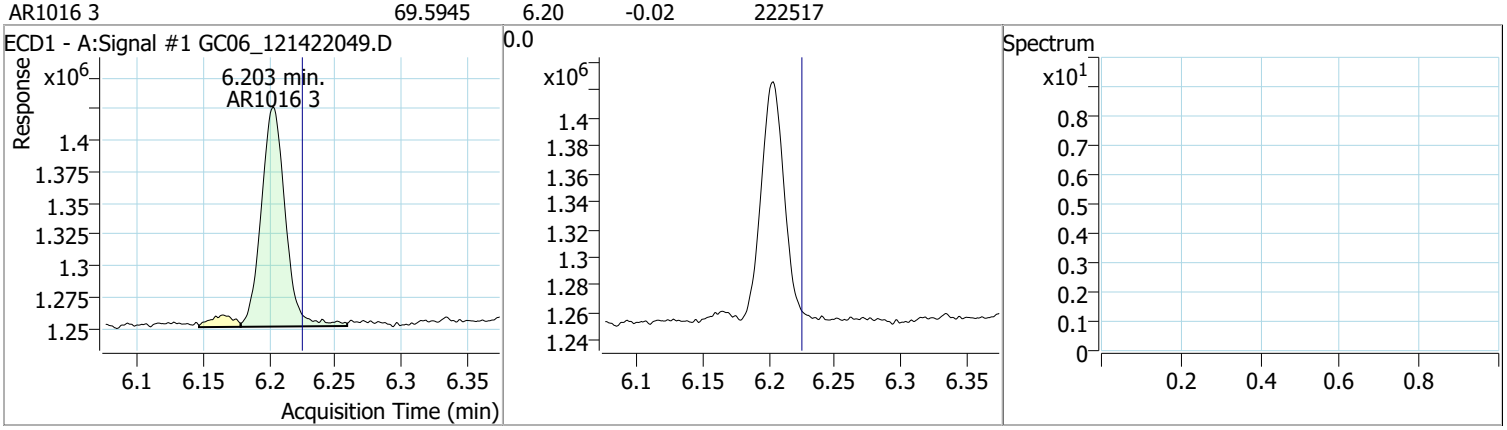




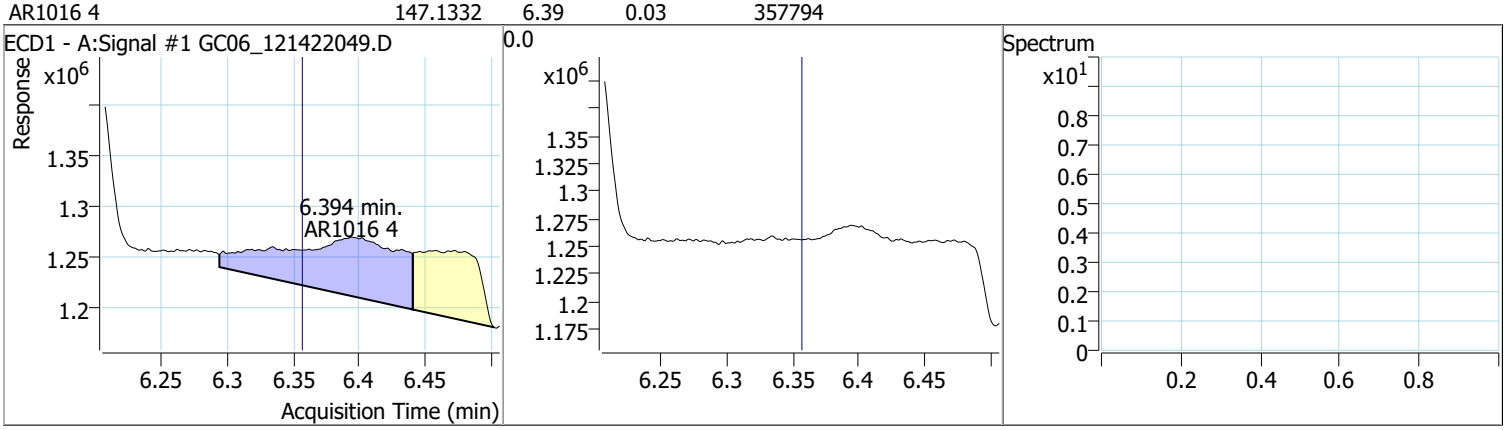
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	305.5849	6.00	0.05	1919935				



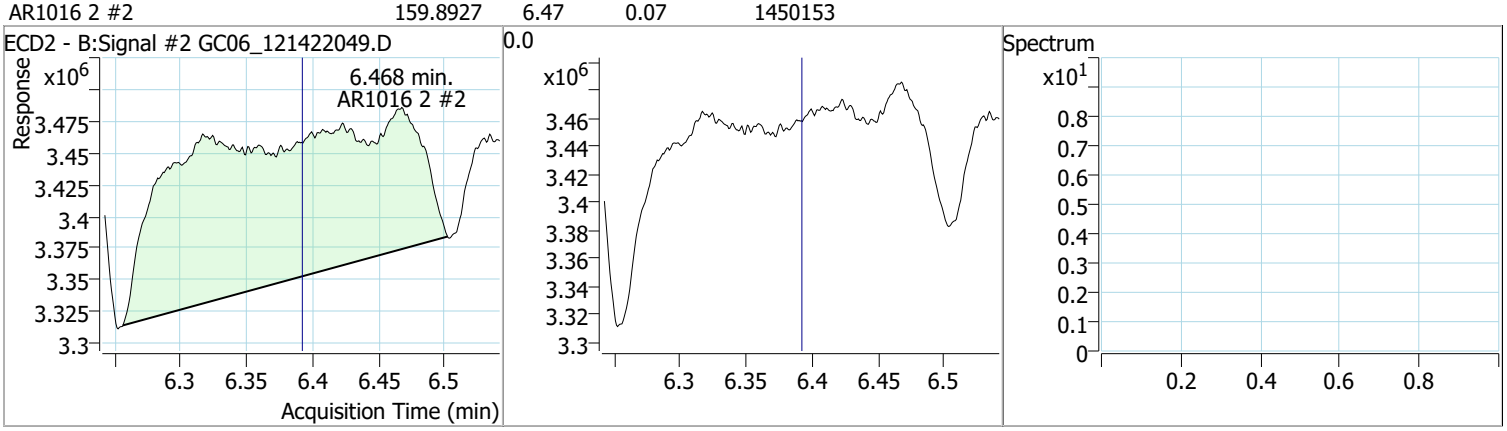
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	69.5945	6.20	-0.02	222517				



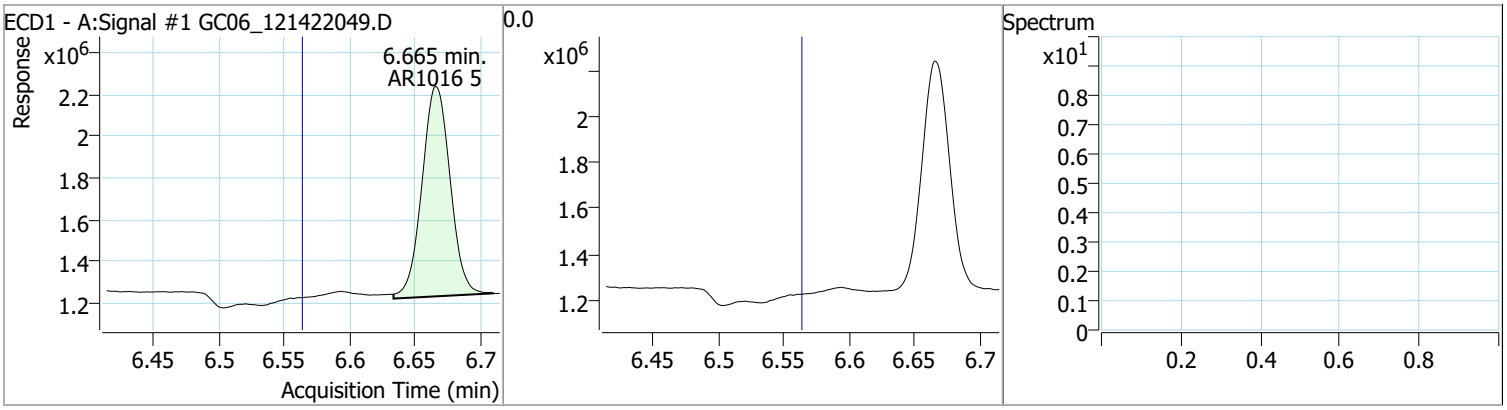
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	147.1332	6.39	0.03	357794				



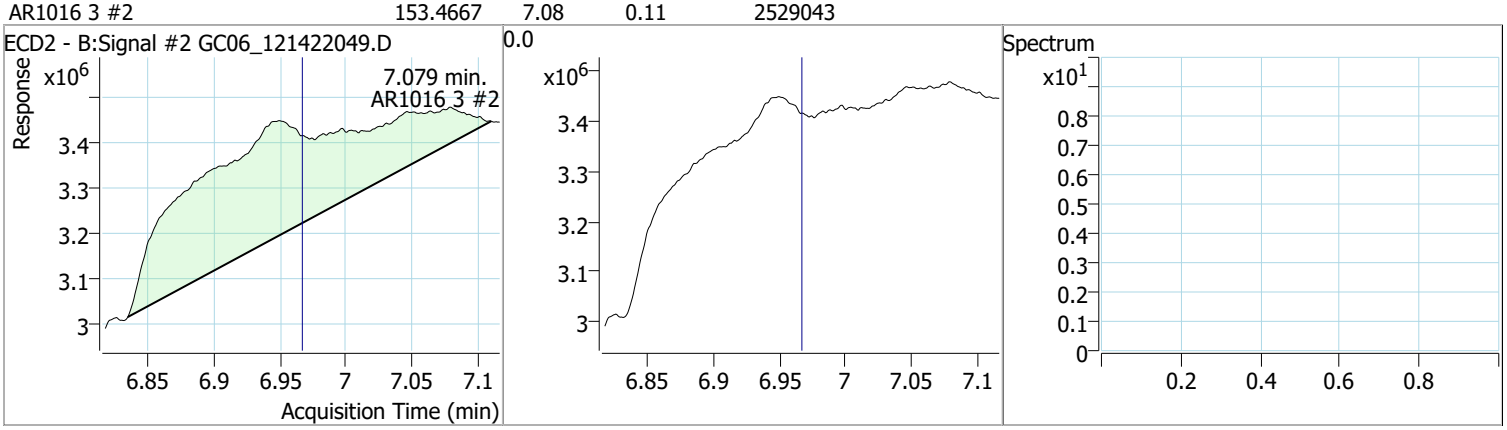
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	159.8927	6.47	0.07	1450153				



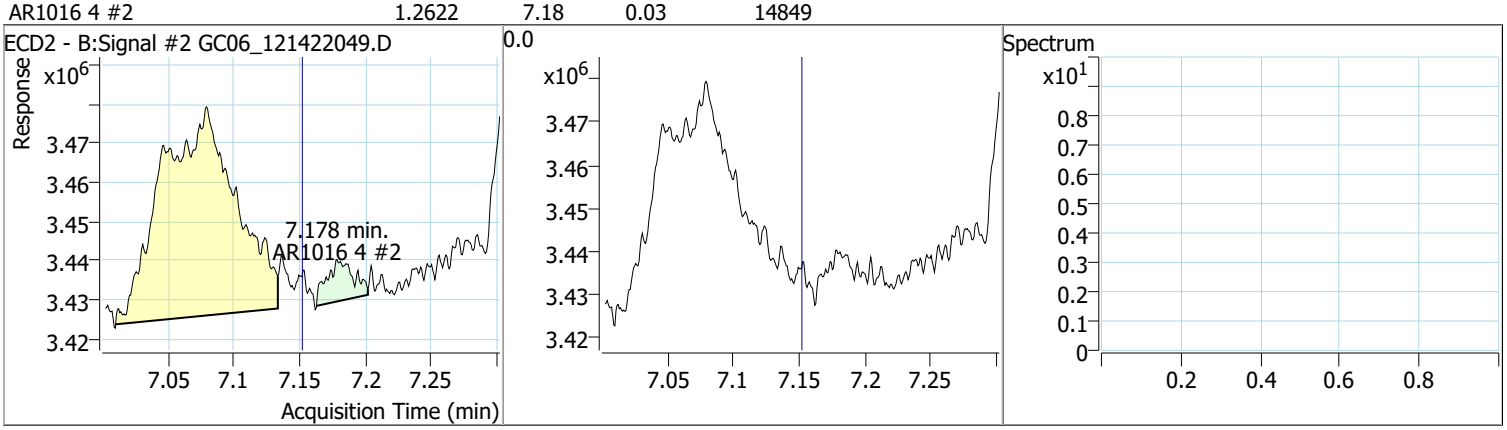
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	768.6062	6.67	0.10	1505458				



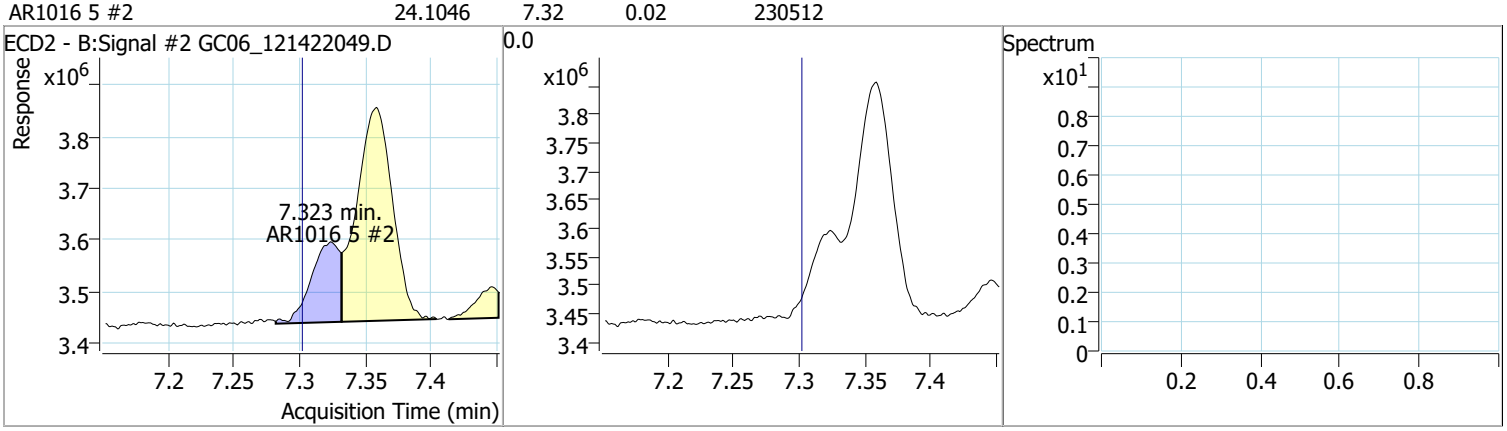
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	153.4667	7.08	0.11	2529043				



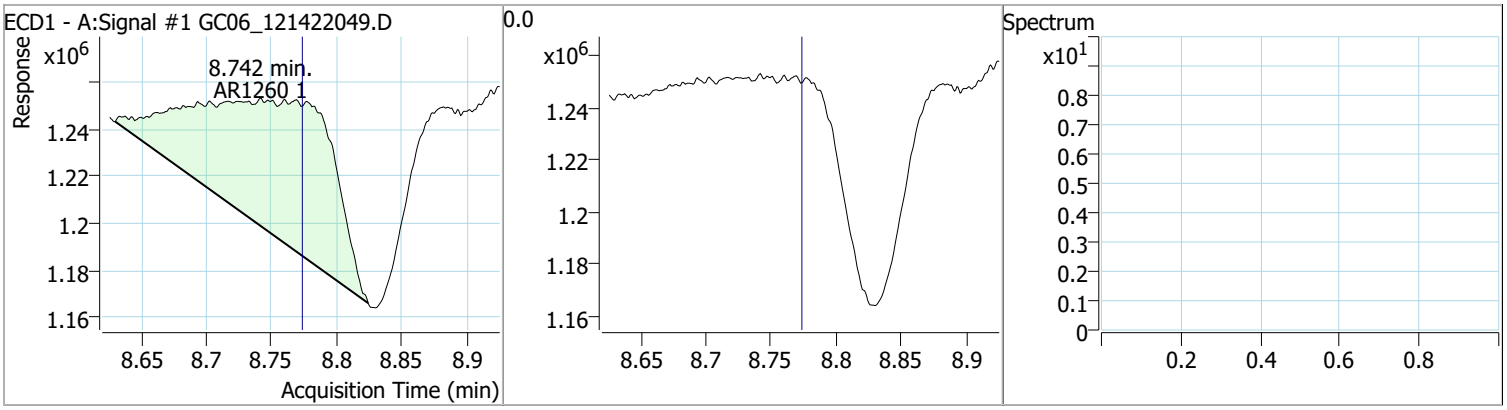
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.2622	7.18	0.03	14849				



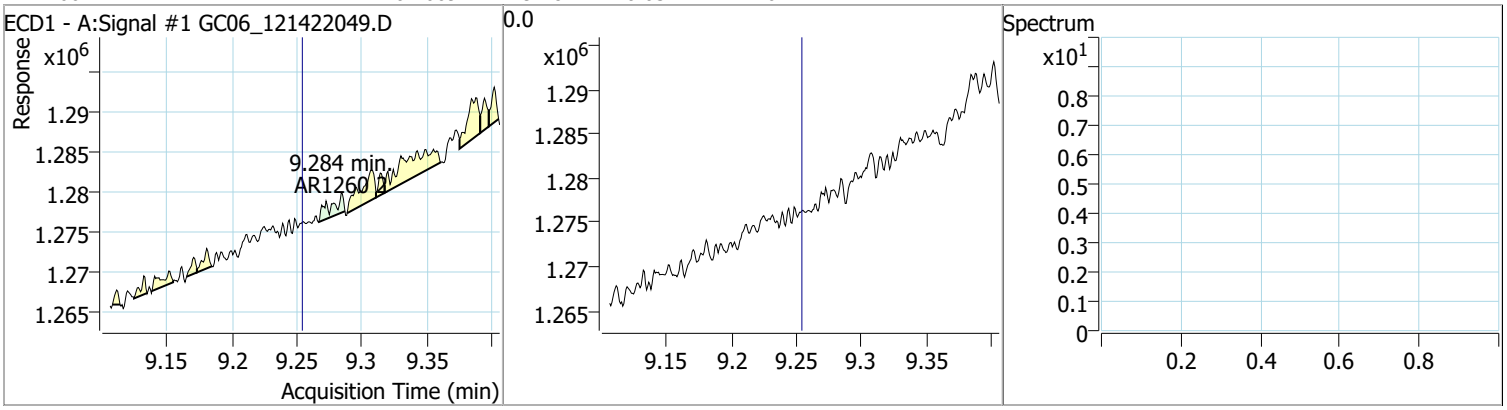
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	24.1046	7.32	0.02	230512				



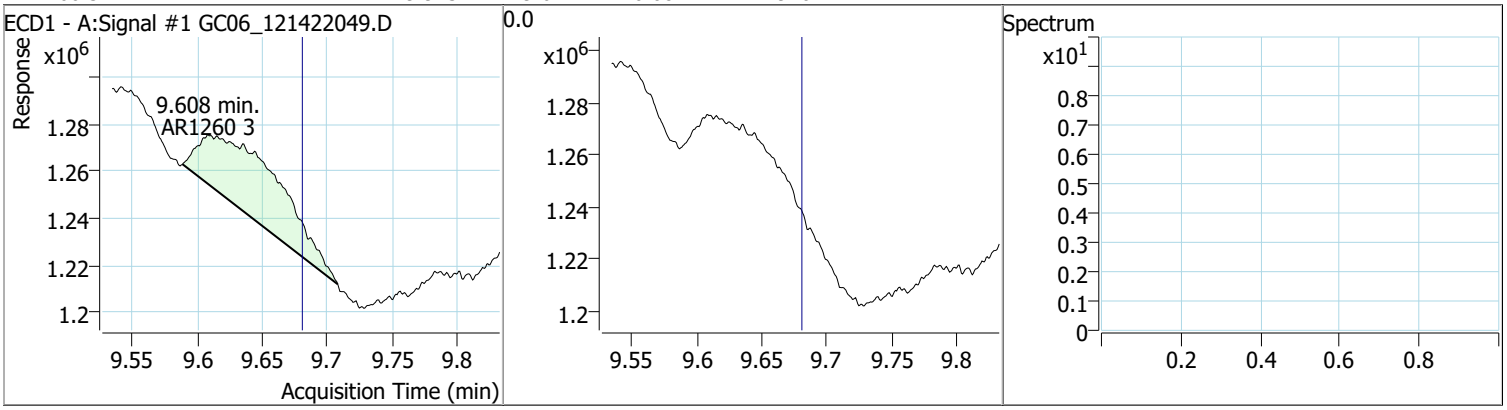
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	104.7823	8.74	-0.04	426126				



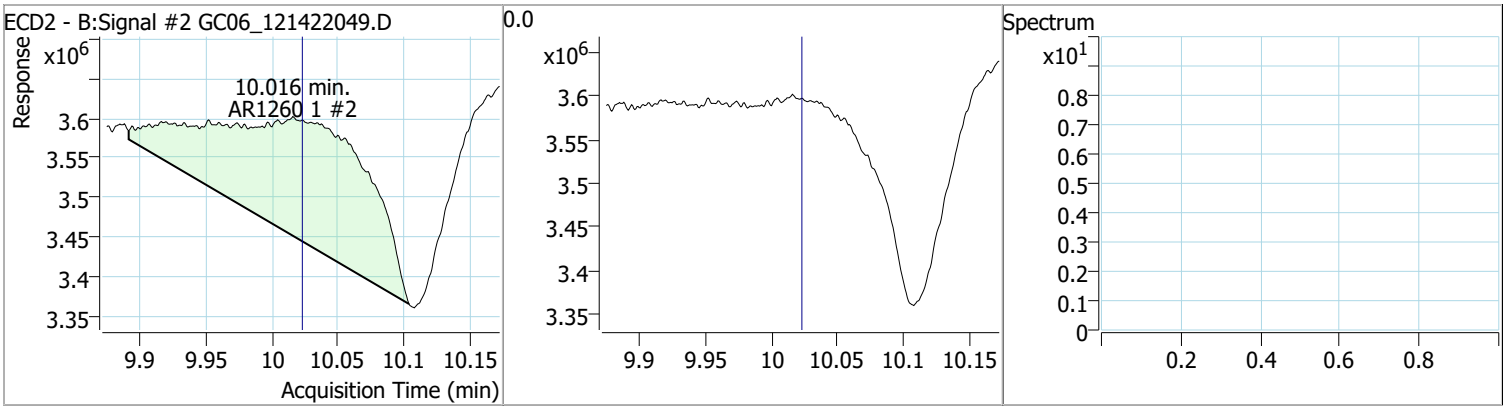
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.2609	9.28	0.03	1617				



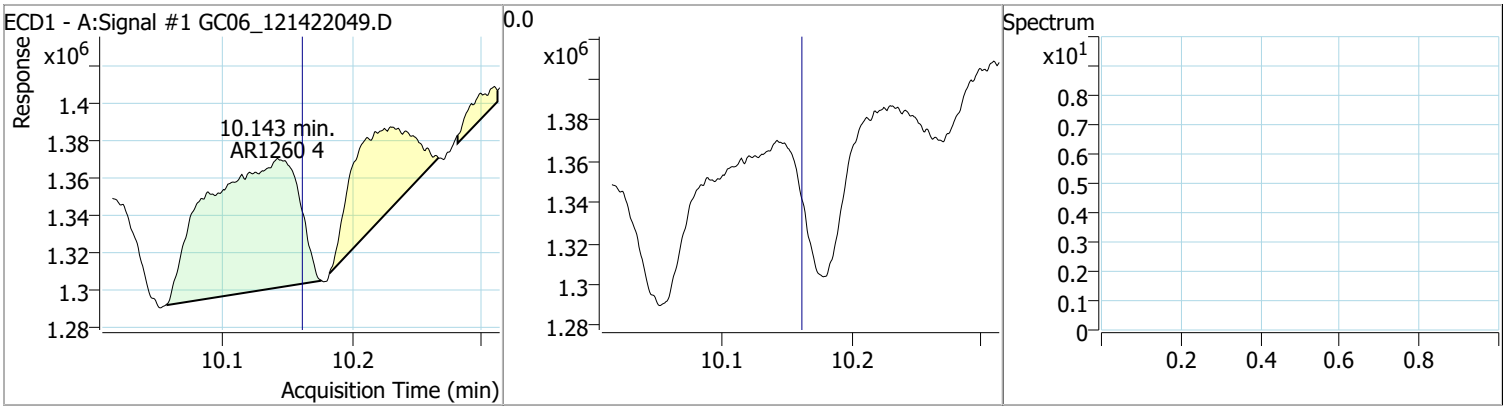
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	19.9431	9.61	-0.08	129207				



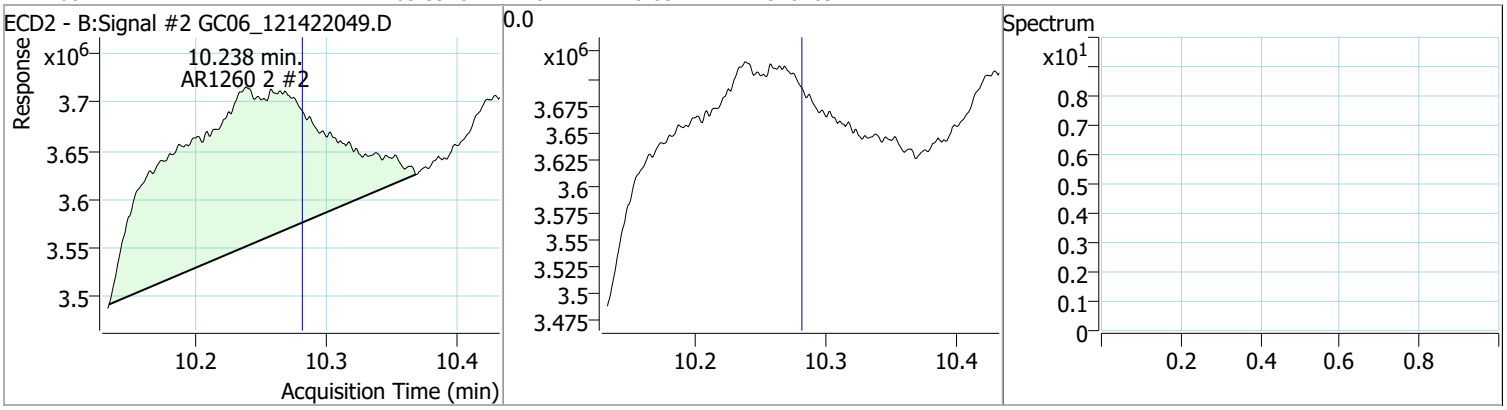
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	70.9659	10.02	-0.01	1276690				



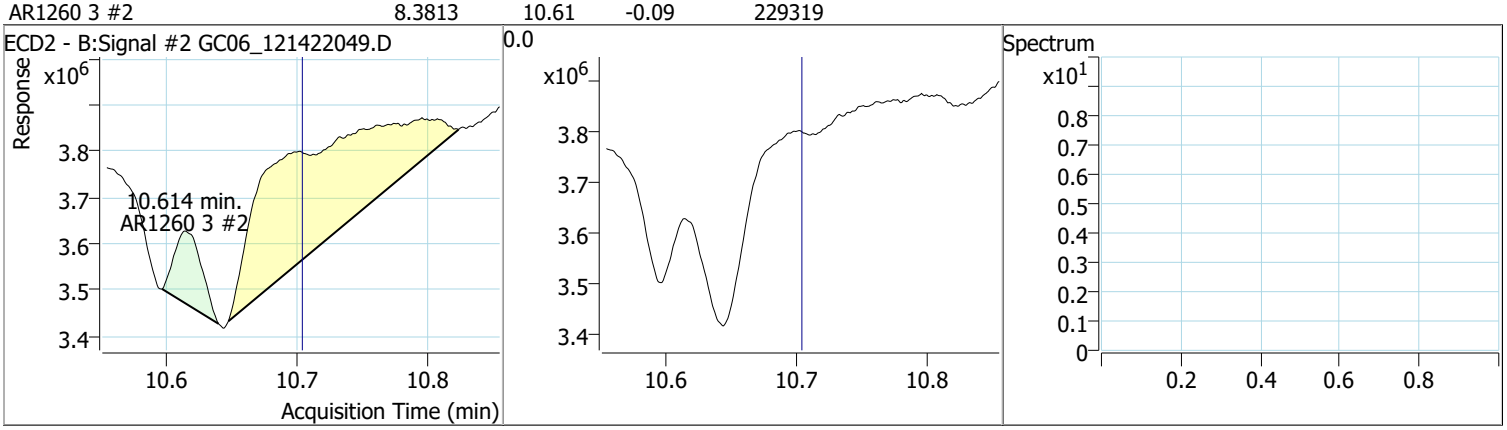
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	86.0209	10.14	-0.02	347192				



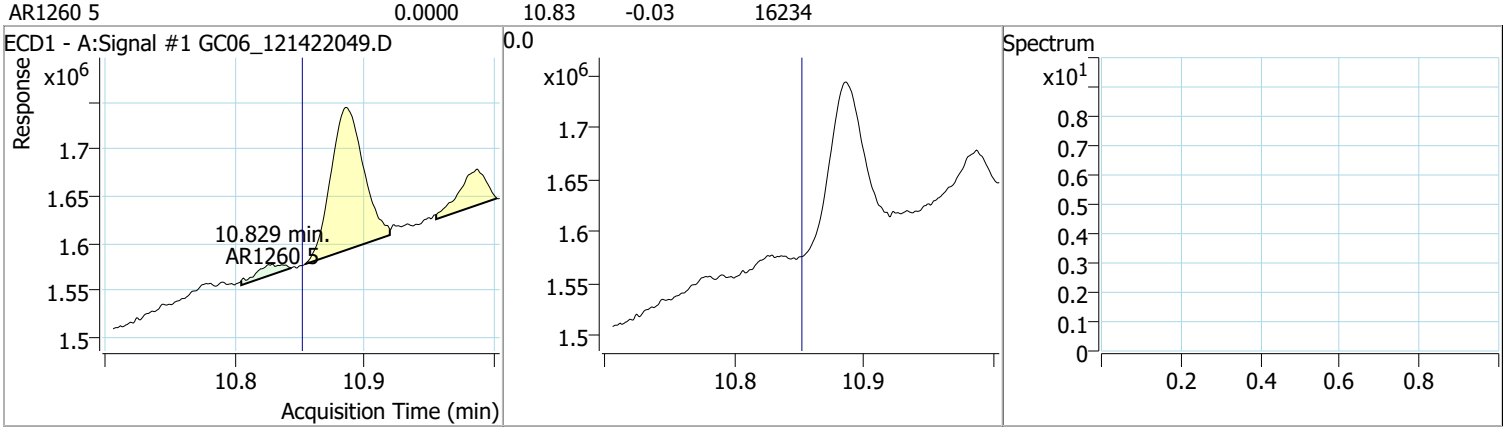
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	63.3925	10.24	-0.05	1370269				



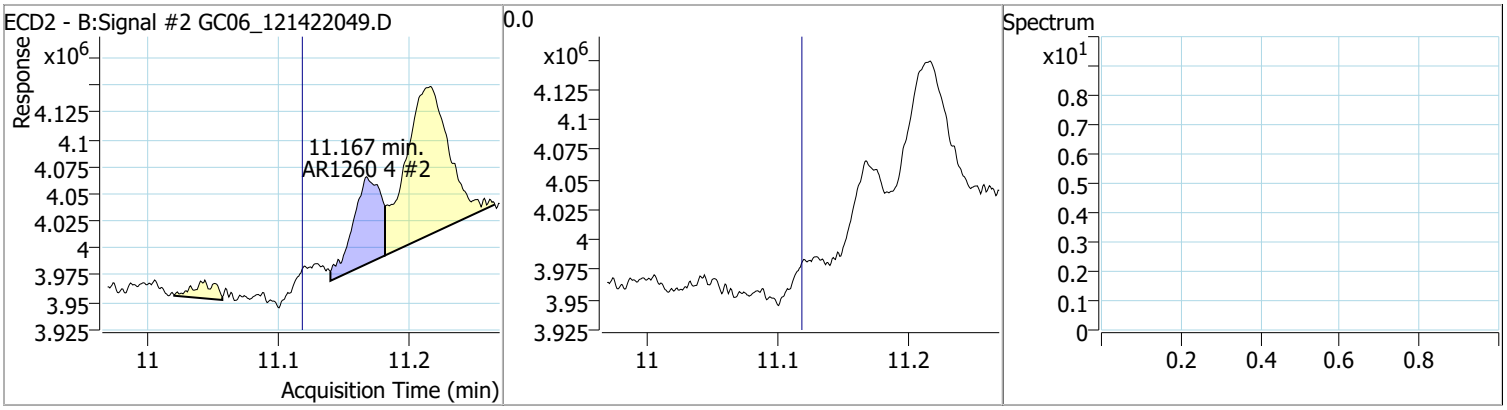
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	8.3813	10.61	-0.09	229319				



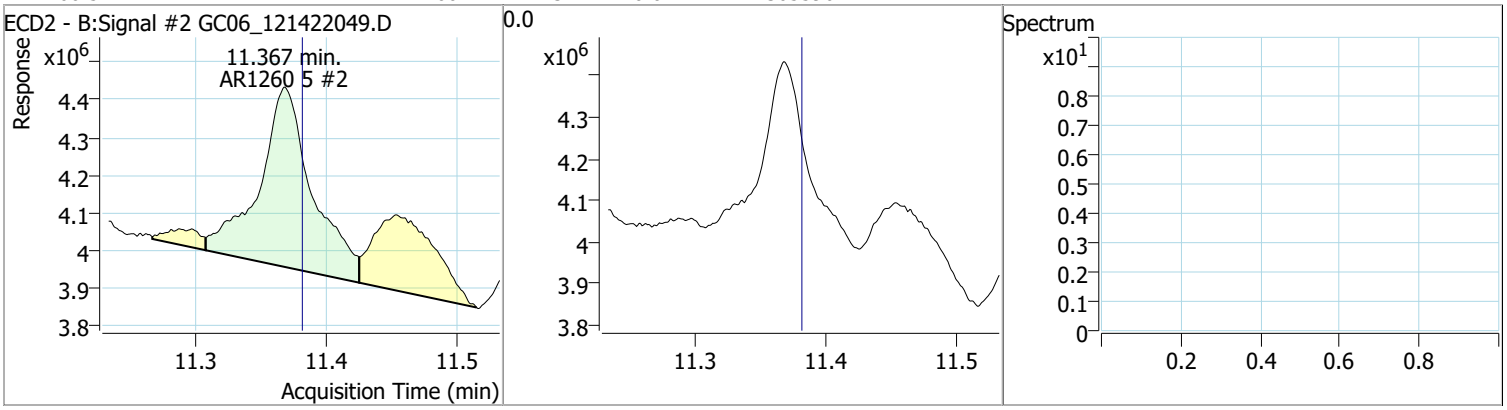
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	0.0000	10.83	-0.03	16234				



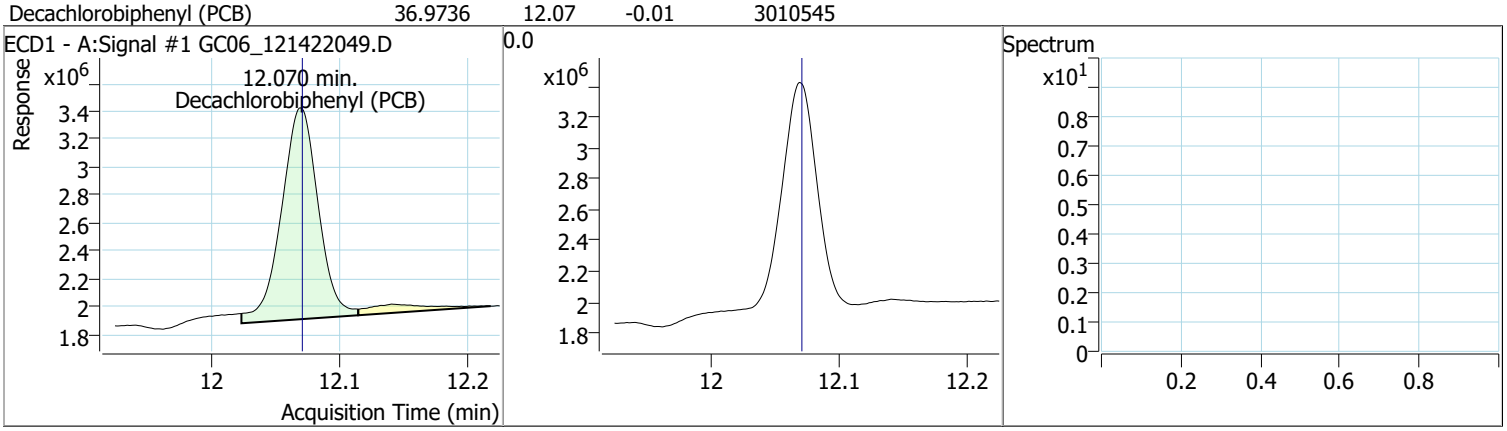
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.17	0.05	116320				



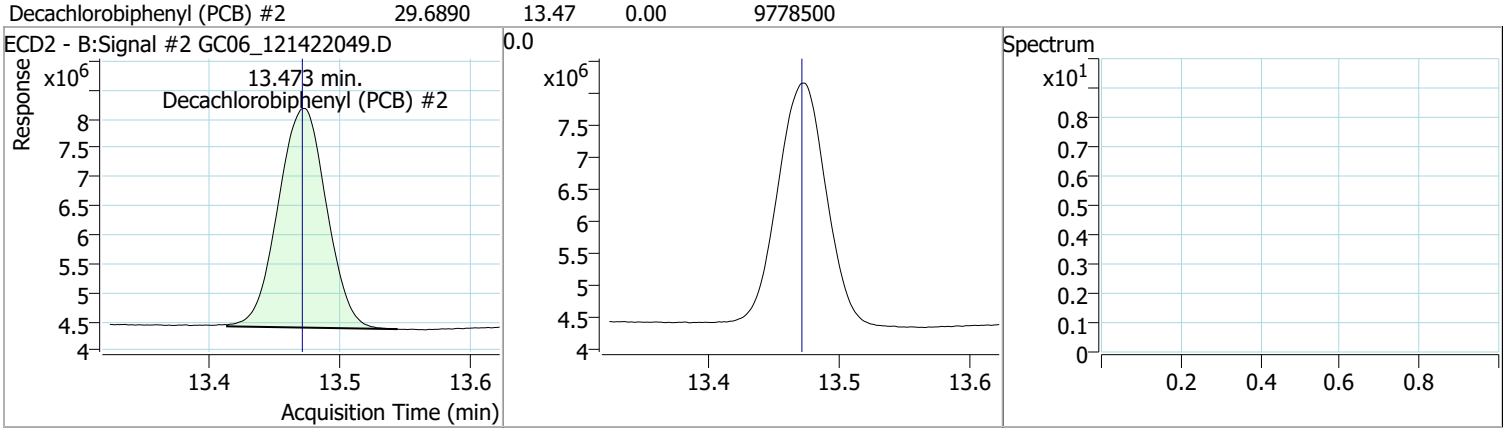
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	41.4001	11.37	-0.02	1365596				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	36.9736	12.07	-0.01	3010545				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	29.6890	13.47	0.00	9778500				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474711-012	Client ID:	20221209-2C-06-DUP
Seqnum:	452501809020	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422020	Batch:	303181	Time:	14-DEC-2022 17:53
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	58.64	~~1.2~~ ~~FP~~	0.67	55%	0.50		x u
Aroclor-1016 Peak # 1	B	225.1	4.50	2.49	58%			
Aroclor-1016 Peak # 2	B	11.49	0.23	ND	467%			
Aroclor-1016 Peak # 3	B	55.71	1.11	0.51	75%			
Aroclor-1016 Peak # 4	B	0.1048	0.00	0.01	103%			
Aroclor-1016 Peak # 5	B	0.8461	0.02	0.44	185%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	19.47	ND	0.33	18%	0.50		u
Aroclor-1260 Peak # 1	B	31.79	0.64	0.90	35%			
Aroclor-1260 Peak # 2	B	47.27	0.95	0.00	199%			
Aroclor-1260 Peak # 3	B	3.601	0.07	0.01	153%			
Aroclor-1260 Peak # 4	B	-22.57	ND	0.62	1281%			
Aroclor-1260 Peak # 5	B	37.26	0.75	0.09	155%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	20.04	0.5000	0.4008	80	52-121	u
Decachlorobiphenyl (PCB)	B	17.16	0.5000	0.3431	69	50-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5307613	4781500	-9.91
1-bromo-2-nitrobenzene (PCB)	A	1103956	1020599	-7.55

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

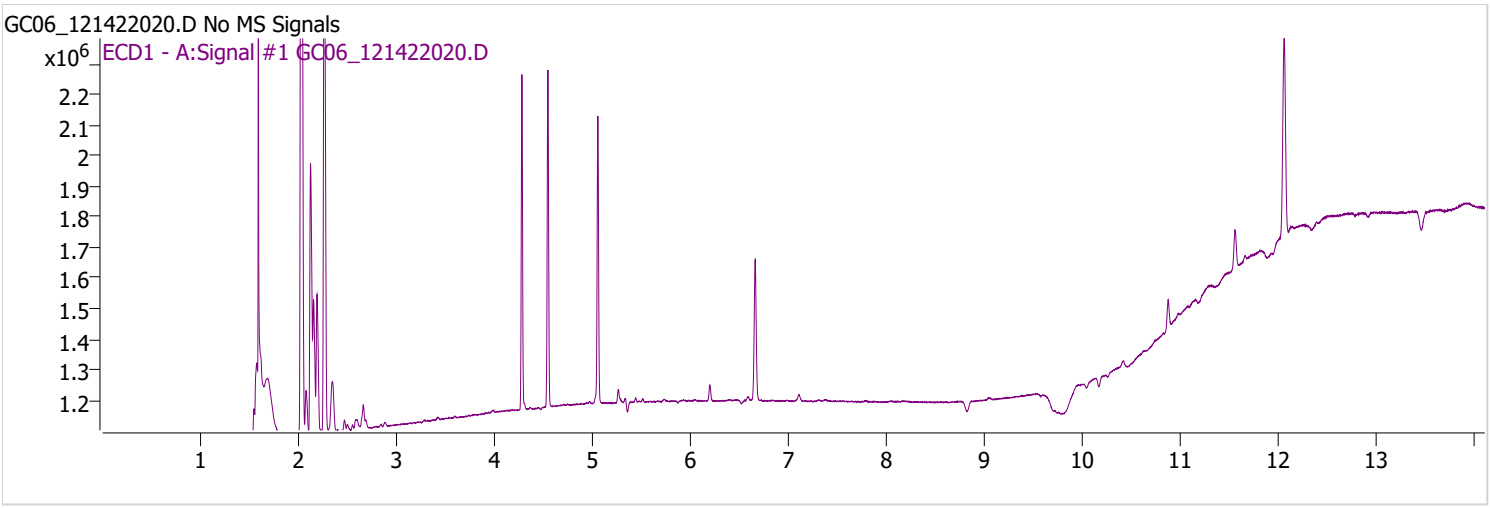
ISTD (CCV gc06_121422004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

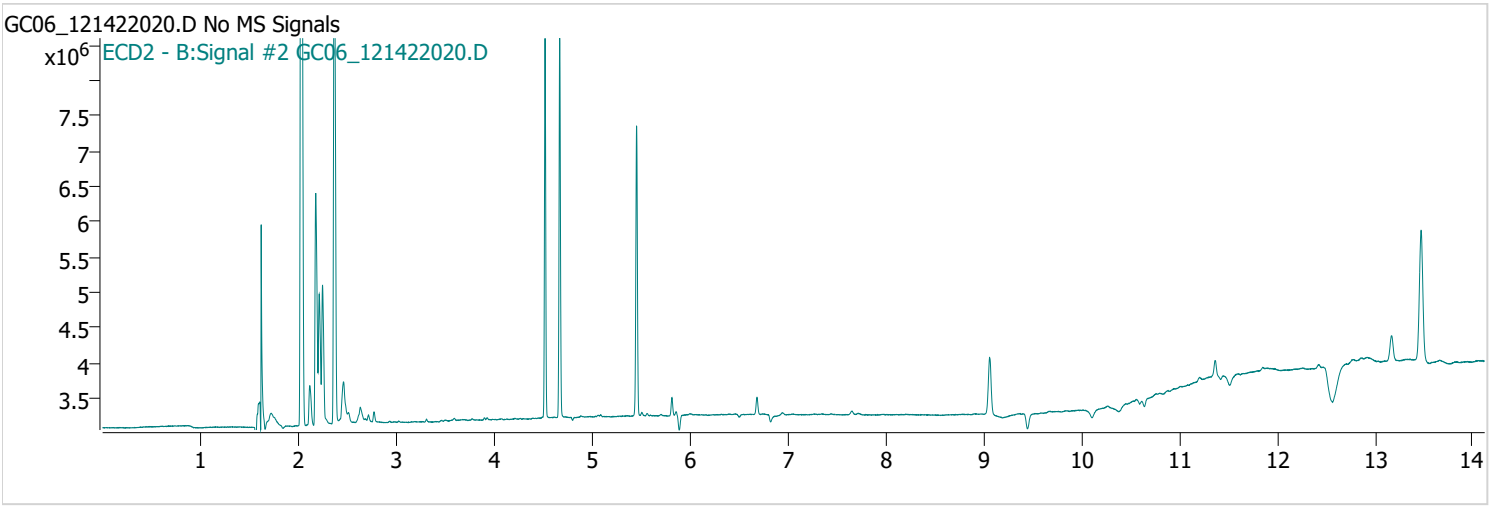
Analyst: MES 12/15/22

Reviewer: LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422020.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 5:53:00 PM
Sample Name	474711-012, 303181, 1	Instrument	SVOA-GC06
Vial	9	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



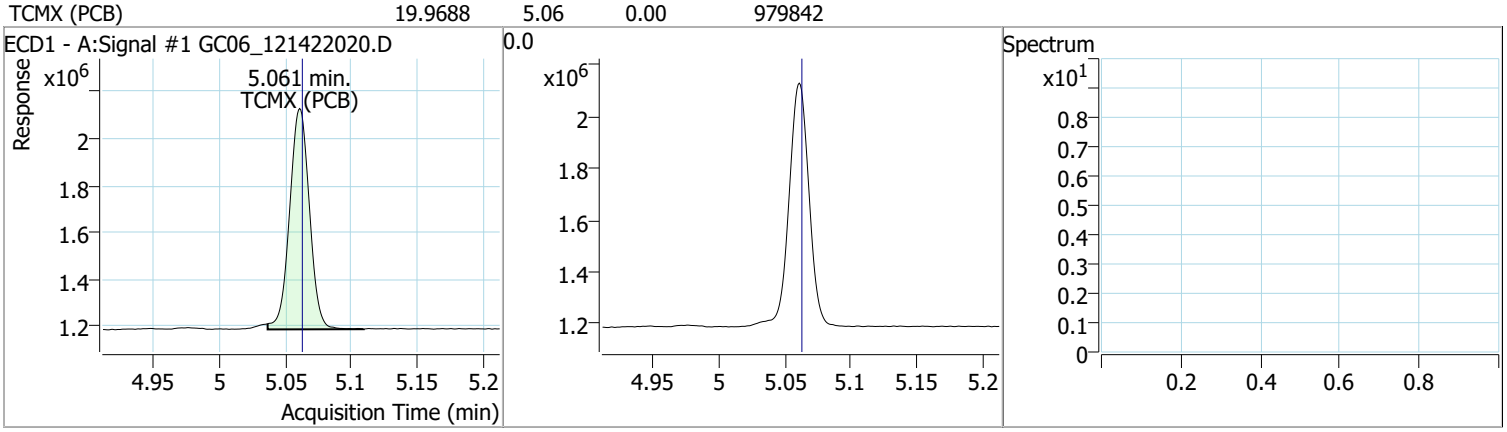


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.285	0.0	1020598.798	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	4781499.703	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.061	0.0	979842.279	19.9688	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 99.84%		
S TCMX (PCB) #2	5.457	0.0	4601892.791	20.0405	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 100.20%		
S Decachlorobiphenyl (PCB)	12.073	0.0	1433773.802	18.8566	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 94.28%		
S Decachlorobiphenyl (PCB) #2	13.473	0.0	4686756.602	17.1575	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 85.79%		
Target Compounds						**QValue**
T AR1016 1	5.446	0.0	133086.604	124.3772	ng/ml	100

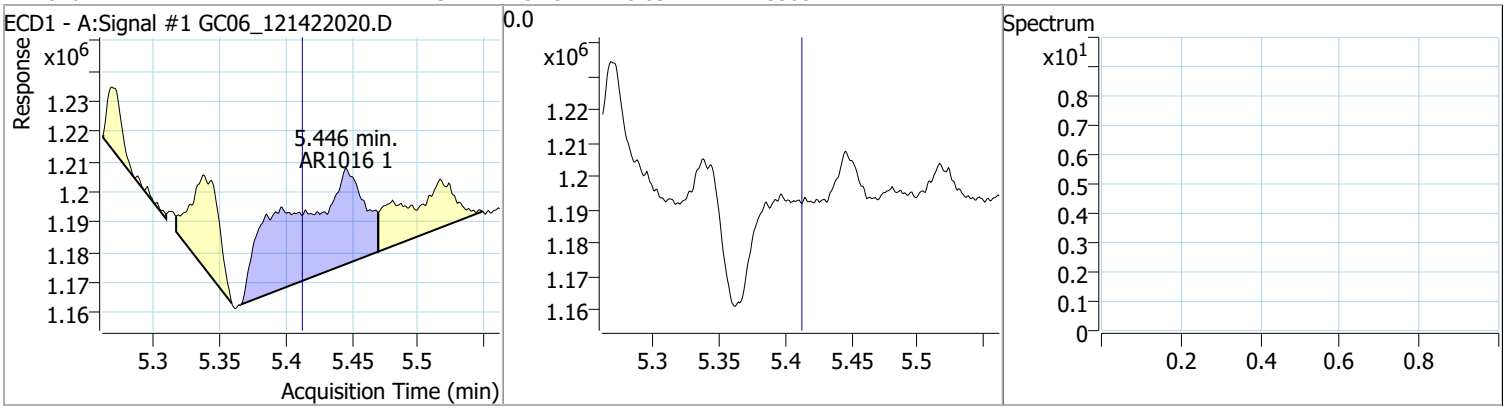
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.737	0.0	22956.579	0.0000	ng/ml	100
T AR1016 1 #2	5.998	0.0	1118462.526	225.0647	ng/ml	100
T AR1016 3	6.205	0.0	68587.790	25.2817	ng/ml	100
T AR1016 4	6.356	0.0	673.084	0.3262	ng/ml	100
T AR1016 2 #2	6.399	0.0	82428.128	11.4903	ng/ml	100
T AR1016 5	6.596	0.0	36812.893	22.1504	ng/ml	100
T AR1016 3 #2	6.949	0.0	726122.186	55.7068	ng/ml	100
T AR1016 4 #2	7.153	0.0	975.177	0.1048	ng/ml	100
T AR1016 5 #2	7.321	0.0	6400.147	0.8461	ng/ml	100
T AR1260 1	8.762	0.0	155524.167	45.0708	ng/ml	100
T AR1260 2	9.250	0.0	842.703	0.1602	ng/ml	100
T AR1260 3	9.728	0.0	2627.781	0.4780	ng/ml	100
T AR1260 1 #2	10.012	0.0	452403.600	31.7929	ng/ml	100
T AR1260 4	10.144	0.0	134611.764	30.9214	ng/ml	100
T AR1260 2 #2	10.273	0.0	808152.657	47.2679	ng/ml	100
T AR1260 3 #2	10.619	0.0	77938.003	3.6013	ng/ml	100
T AR1260 5	10.888	0.0	139512.588	4.6971	ng/ml	100
T AR1260 4 #2	11.128	0.0	12872.972	0.0000	ng/ml	100
T AR1260 5 #2	11.368	0.0	1005814.634	37.2672	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

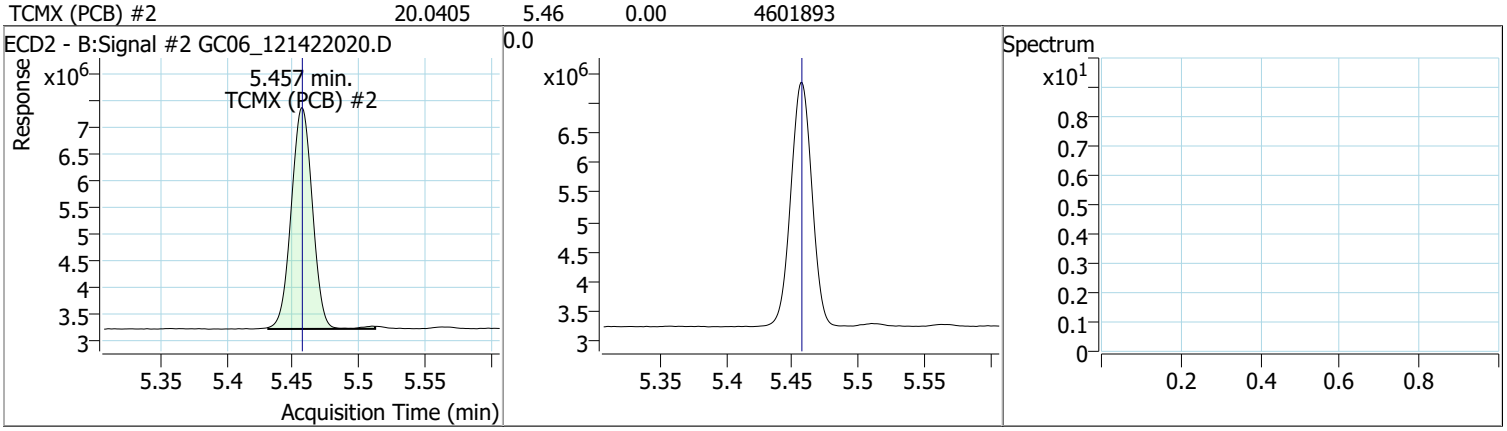
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	19.9688	5.06	0.00	979842				



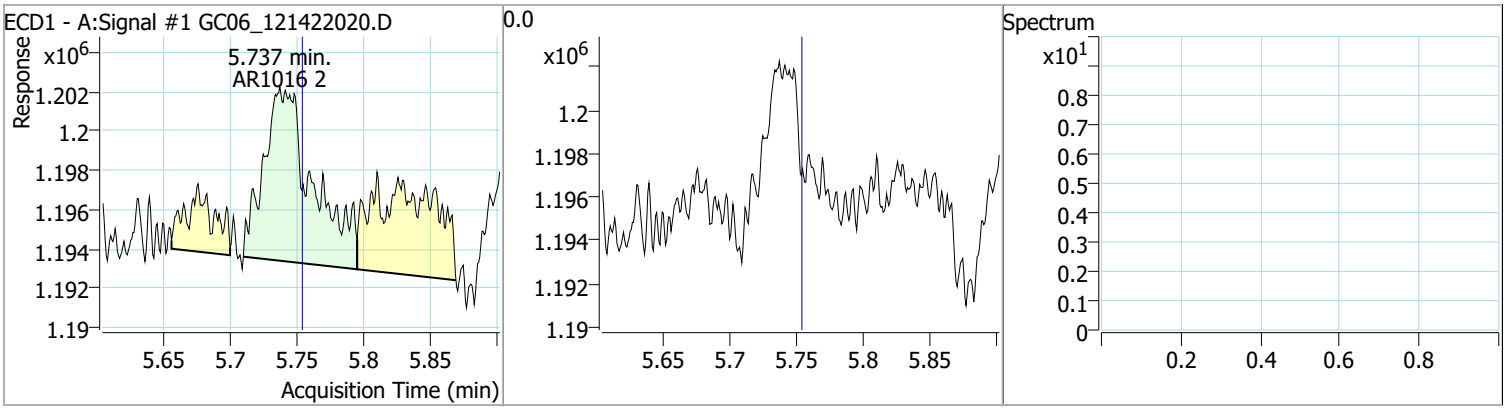
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	124.3772	5.45	0.03	133087				



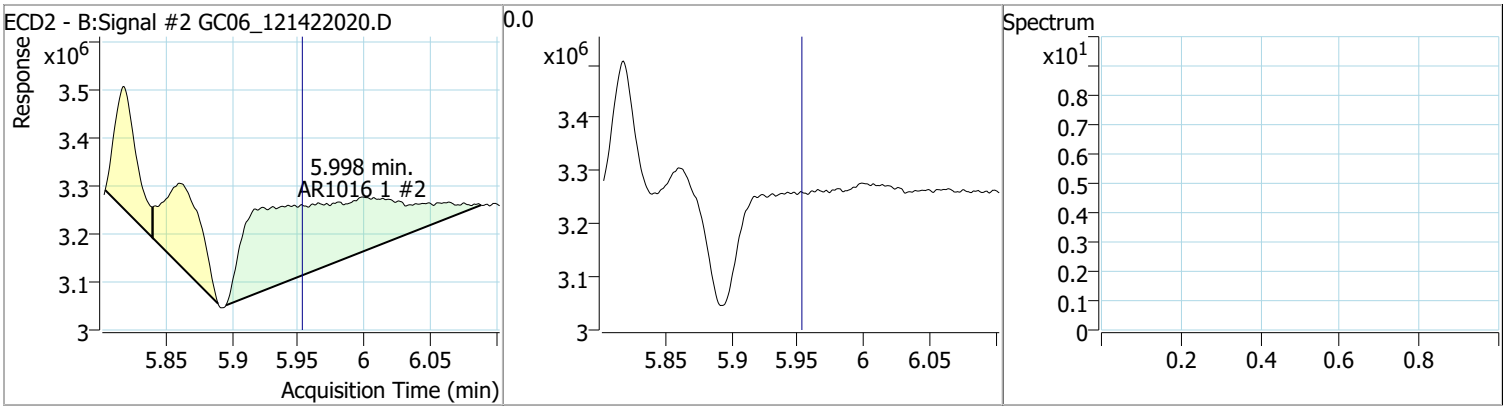
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	20.0405	5.46	0.00	4601893				



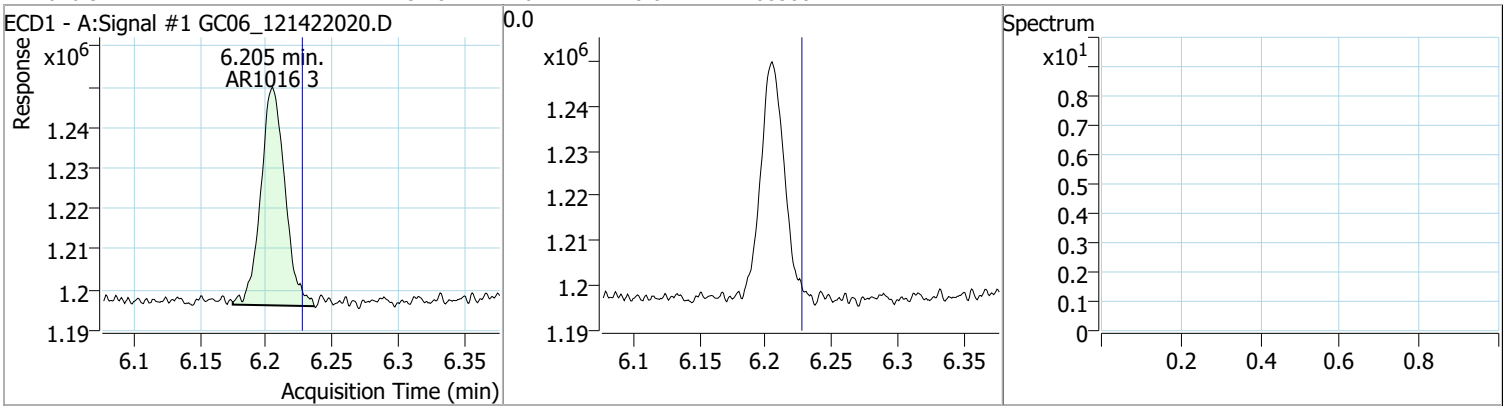
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.74	-0.02	22957				



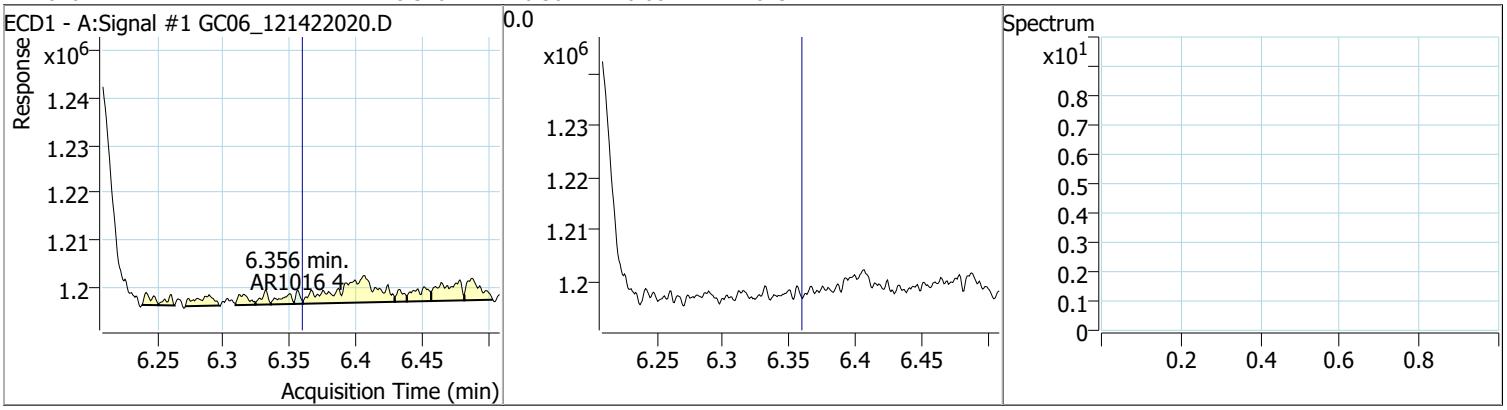
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	225.0647	6.00	0.04	1118463				



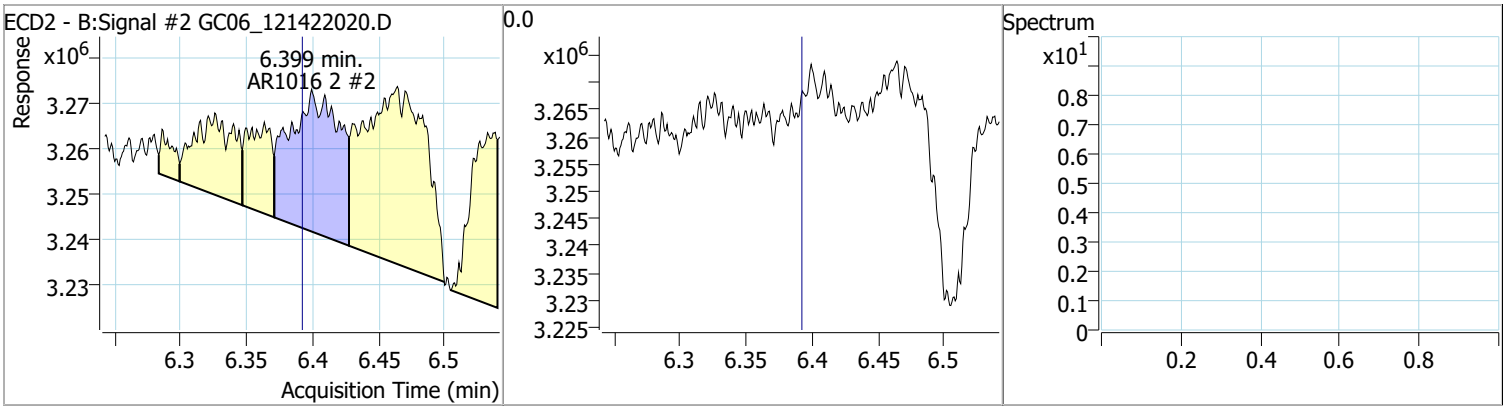
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	25.2817	6.21	-0.02	68588				



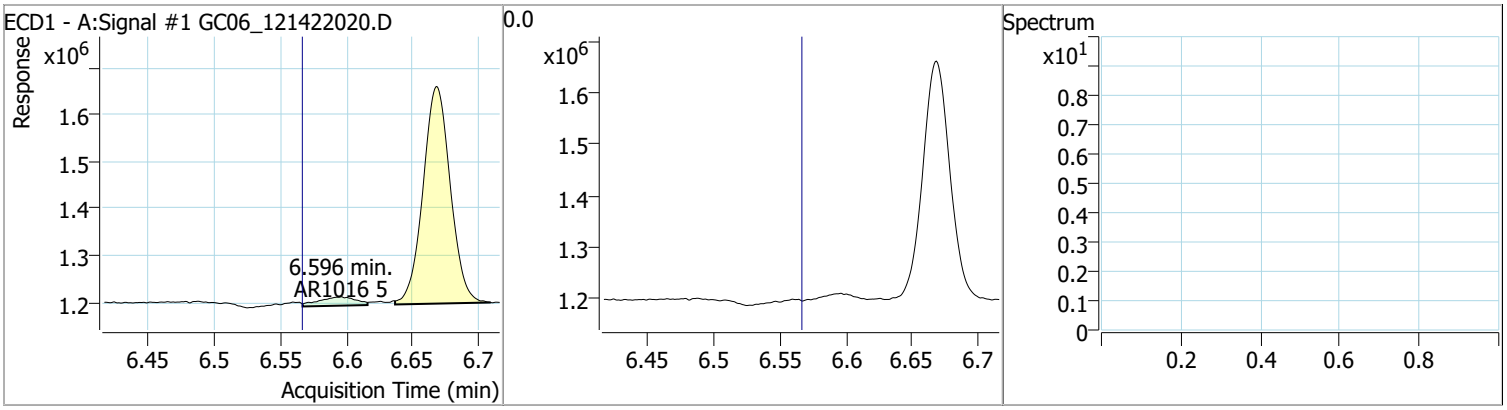
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.3262	6.36	0.00	673				



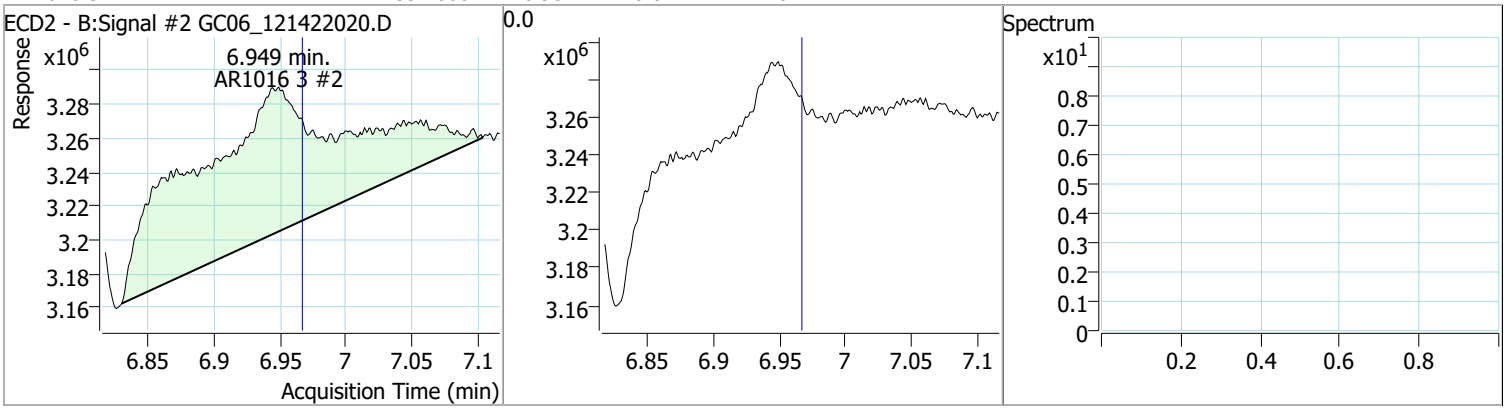
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	11.4903	6.40	0.01	82428				



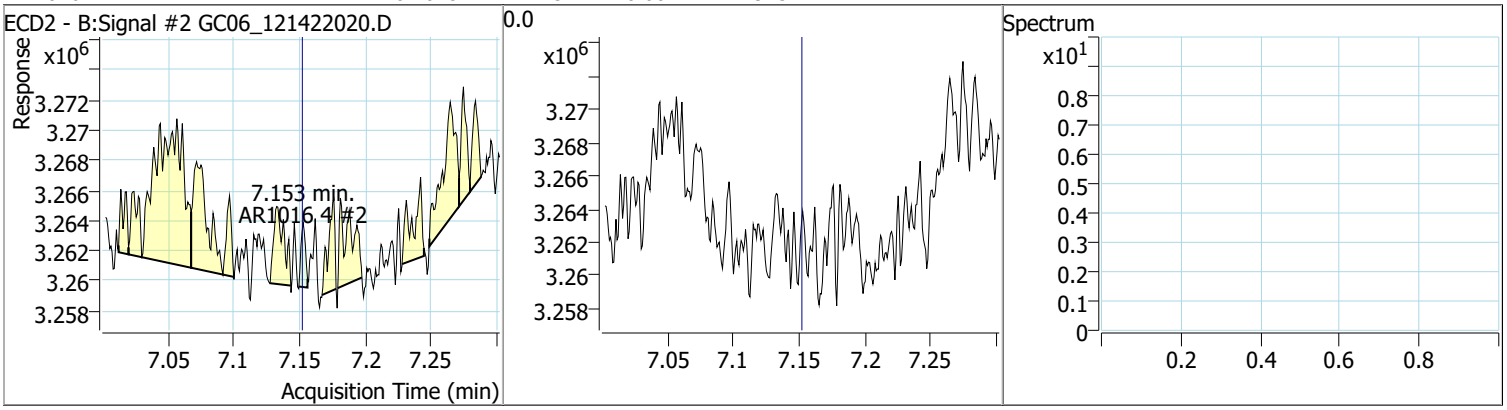
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	22.1504	6.60	0.03	36813				



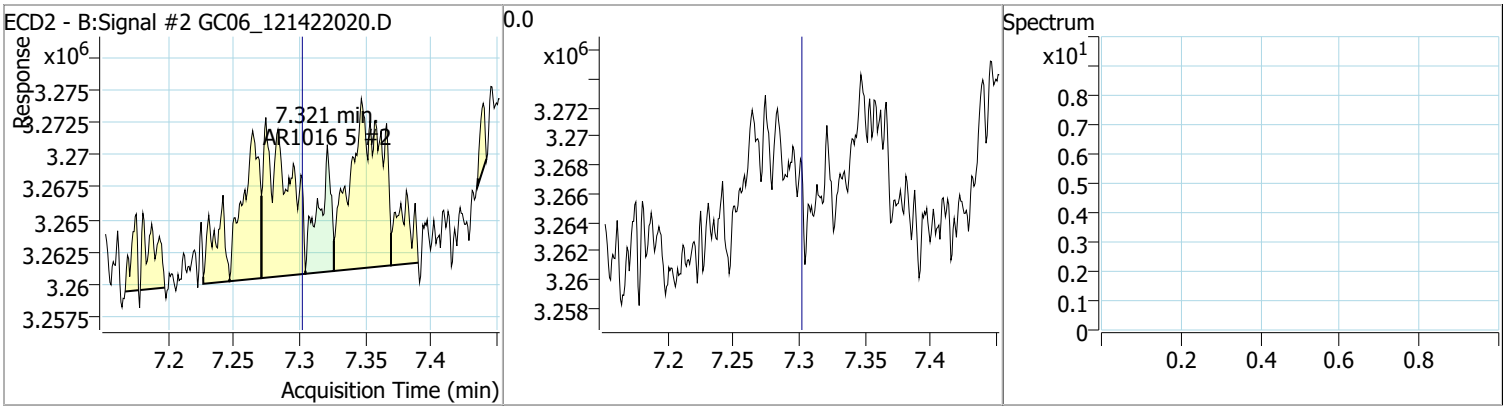
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	55.7068	6.95	-0.02	726122				



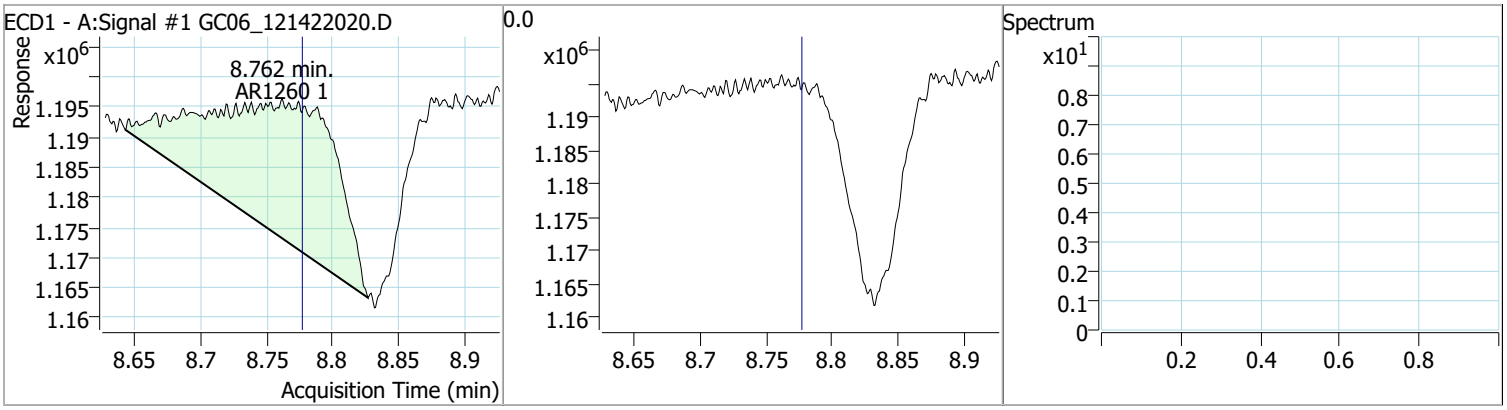
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.1048	7.15	0.00	975				



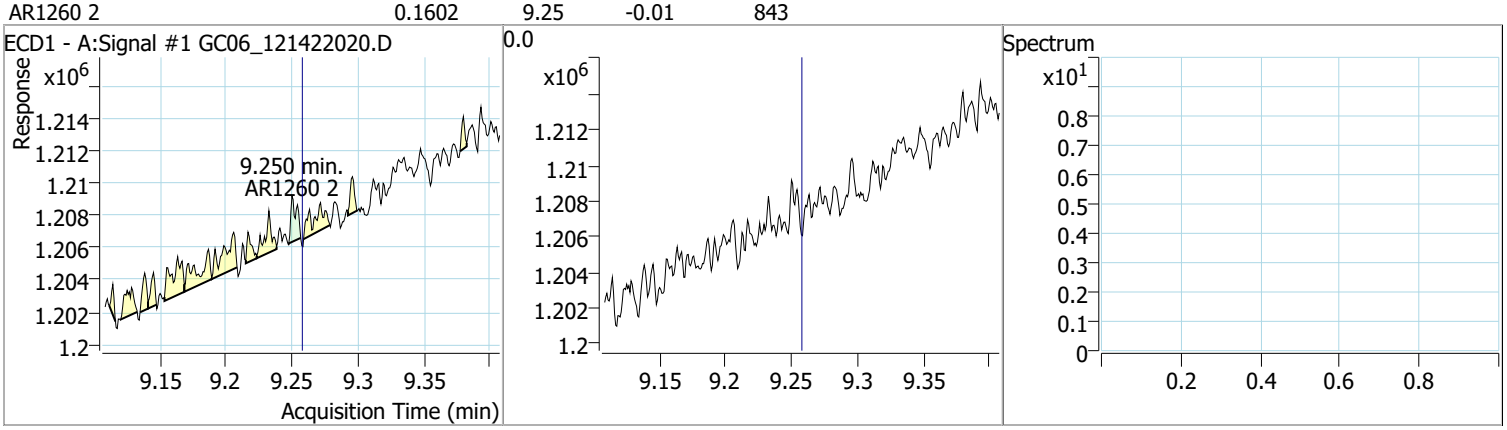
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.8461	7.32	0.02	6400				



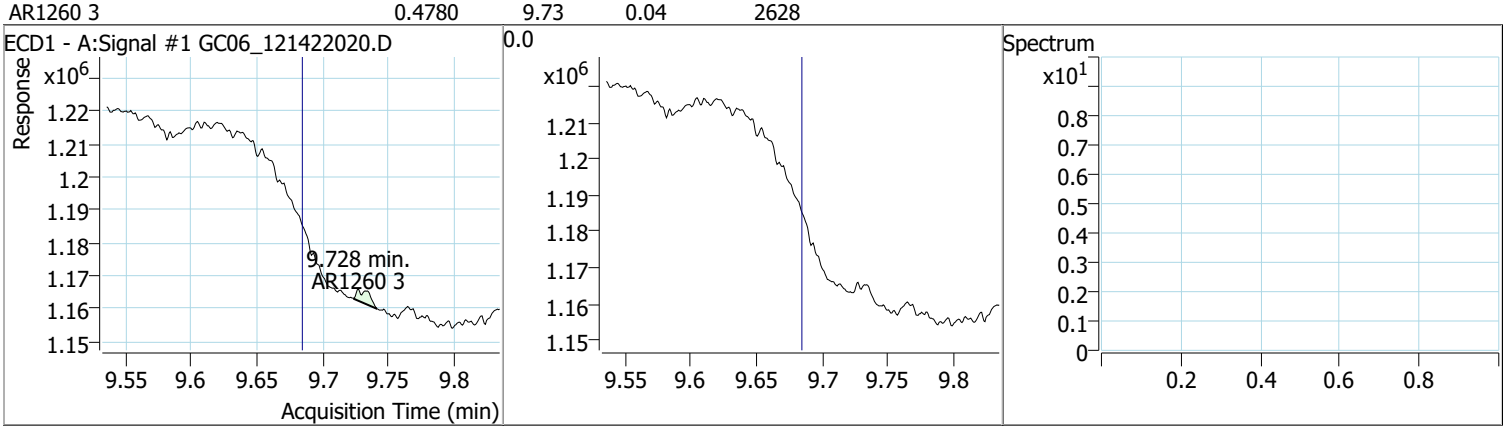
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	45.0708	8.76	-0.02	155524				



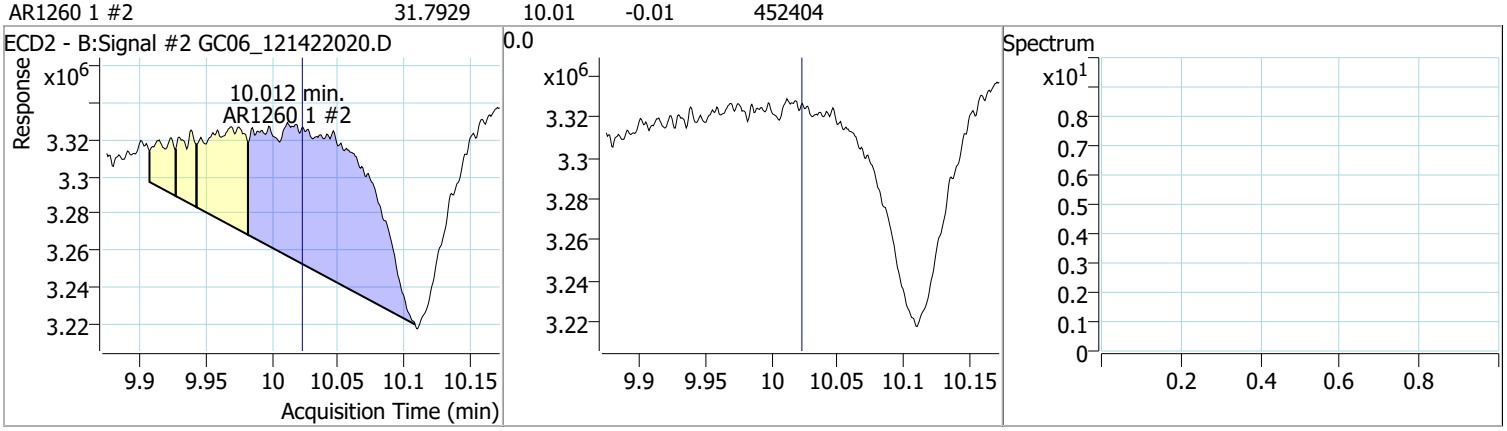
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.1602	9.25	-0.01	843				



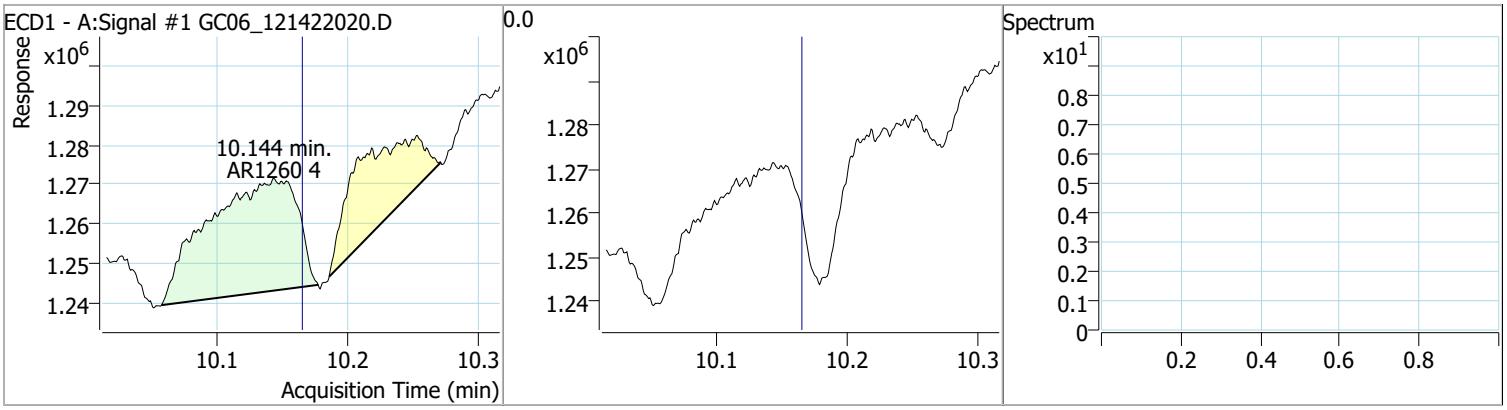
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.4780	9.73	0.04	2628				



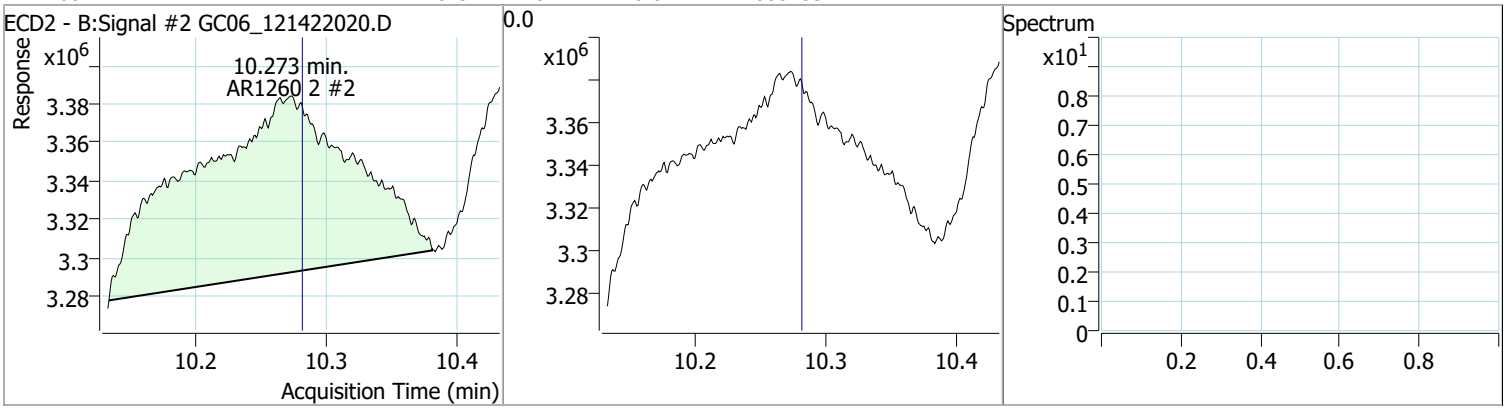
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	31.7929	10.01	-0.01	452404				



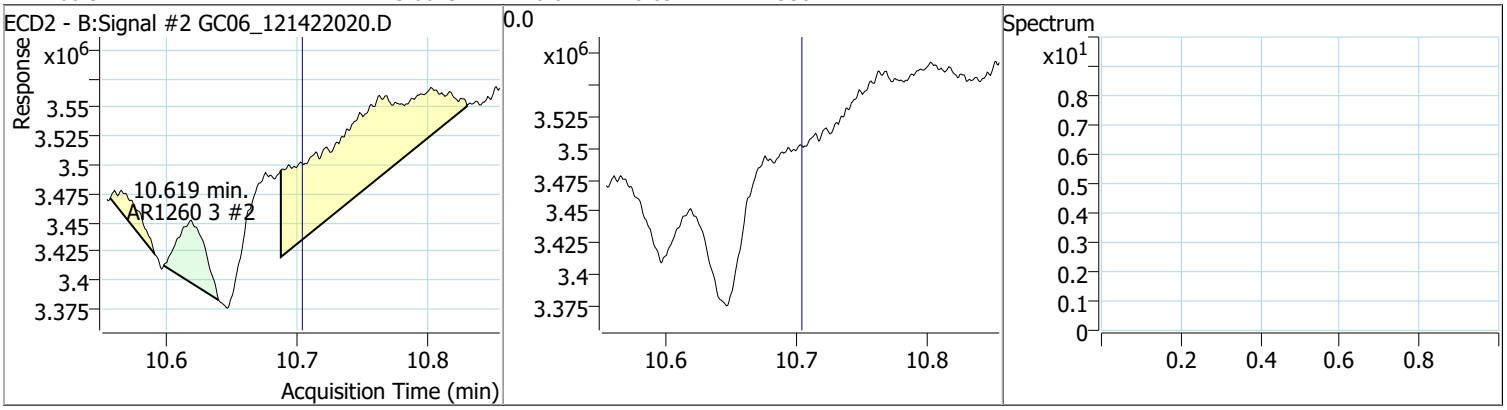
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	30.9214	10.14	-0.02	134612				



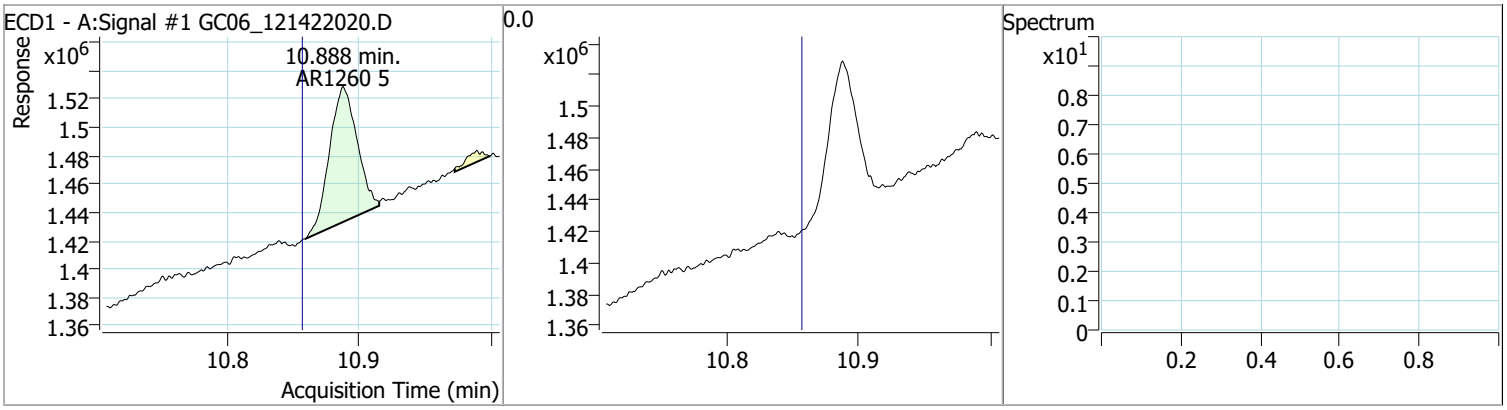
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	47.2679	10.27	-0.01	808153				



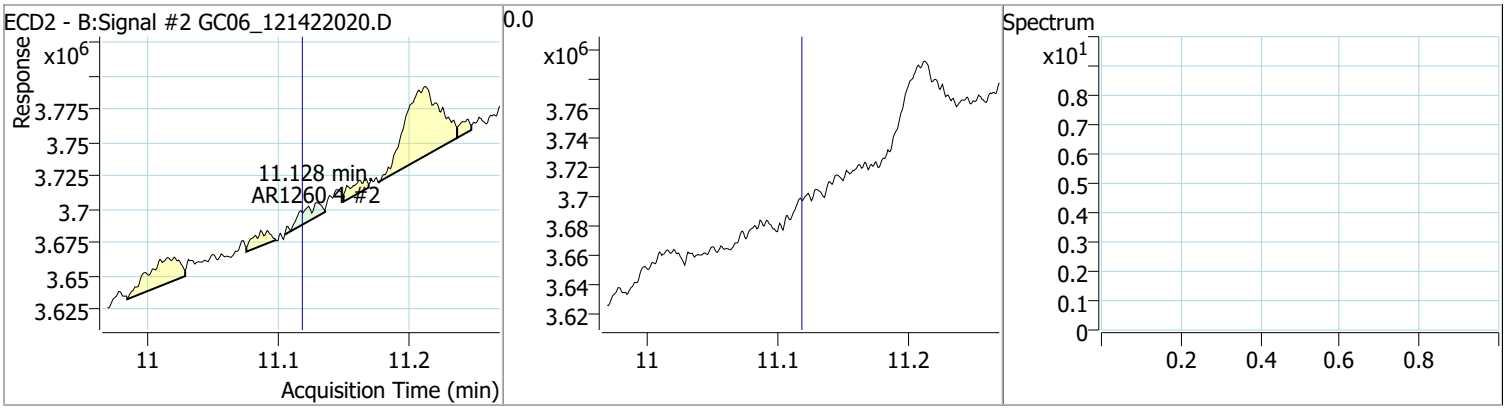
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	3.6013	10.62	-0.09	77938				



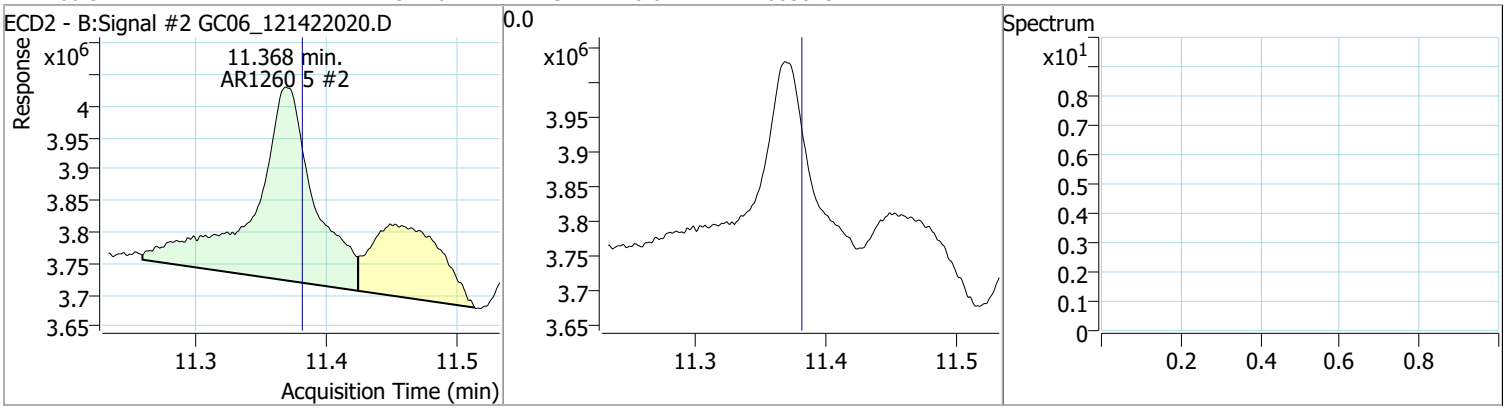
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	4.6971	10.89	0.03	139513				



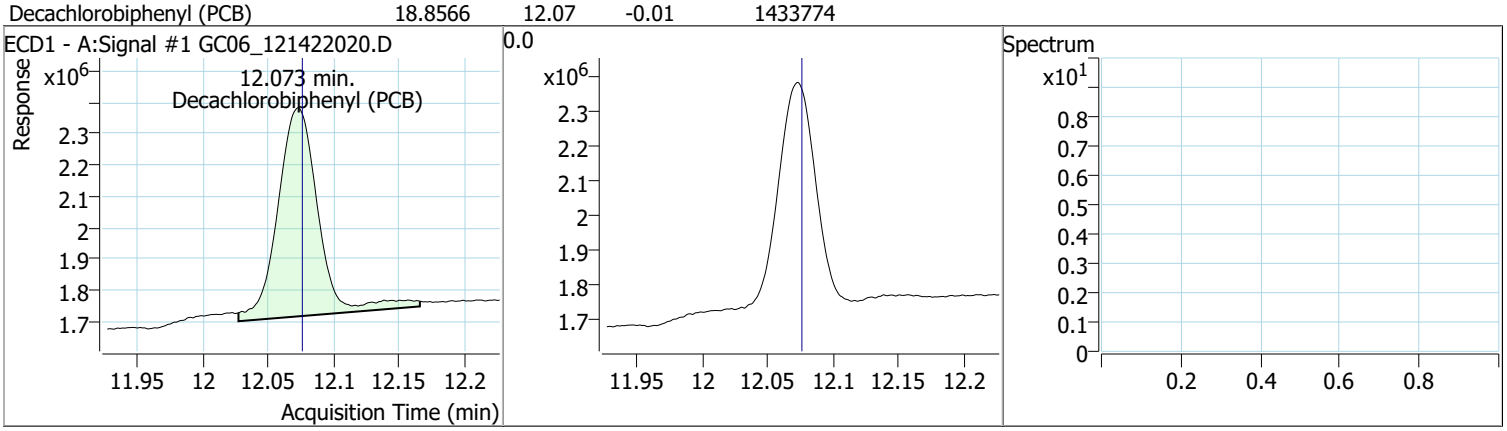
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.13	0.01	12873				



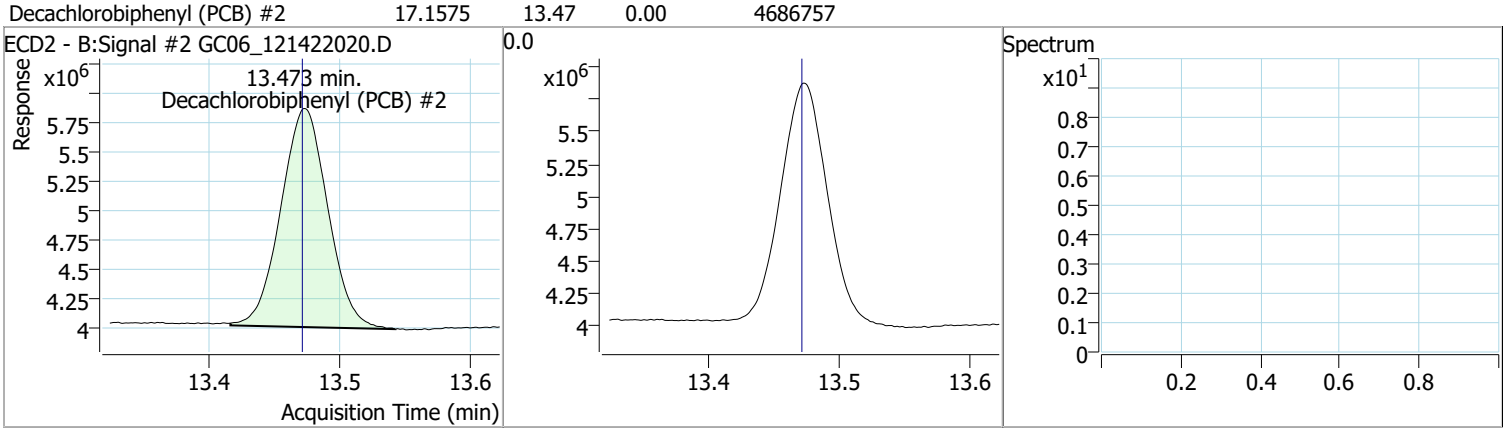
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	37.2672	11.37	-0.02	1005815				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	18.8566	12.07	-0.01	1433774				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	17.1575	13.47	0.00	4686757				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474711-013	Client ID:	20221209-2C-07
Seqnum:	452501809050	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422050	Batch:	303182	Time:	15-DEC-2022 03:03
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	116.3	~~1.2~~ ~~FP~~	0.97	18%	0.50		x u
Aroclor-1016 Peak # 1	B	330.2	3.30	1.73	63%			
Aroclor-1016 Peak # 2	B	44.12	0.44	ND	235%			
Aroclor-1016 Peak # 3	B	173.7	1.74	0.69	86%			
Aroclor-1016 Peak # 4	B	12.48	0.12	1.60	171%			
Aroclor-1016 Peak # 5	B	21.02	0.21	0.89	124%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	32.23	ND	0.35	9%	0.50		u
Aroclor-1260 Peak # 1	B	64.24	0.64	0.68	6%			
Aroclor-1260 Peak # 2	B	34.61	0.35	0.03	172%			
Aroclor-1260 Peak # 3	B	7.224	0.07	0.16	77%			
Aroclor-1260 Peak # 4	B	5.180	0.05	0.77	175%			
Aroclor-1260 Peak # 5	B	49.88	0.50	0.11	128%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	26.79	0.5000	0.2679	54	19-121	u
Decachlorobiphenyl (PCB)	B	23.30	0.5000	0.2330	47	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422036)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5560467	6237575	12.18
1-bromo-2-nitrobenzene (PCB)	A	1170615	1253575	7.09

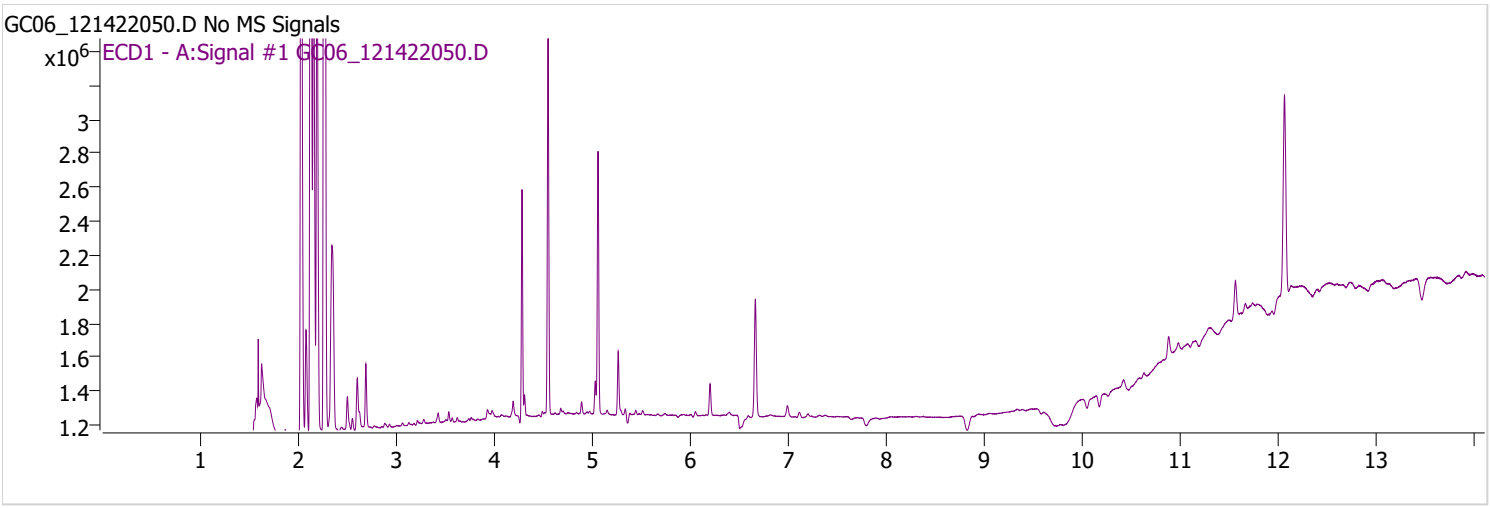
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

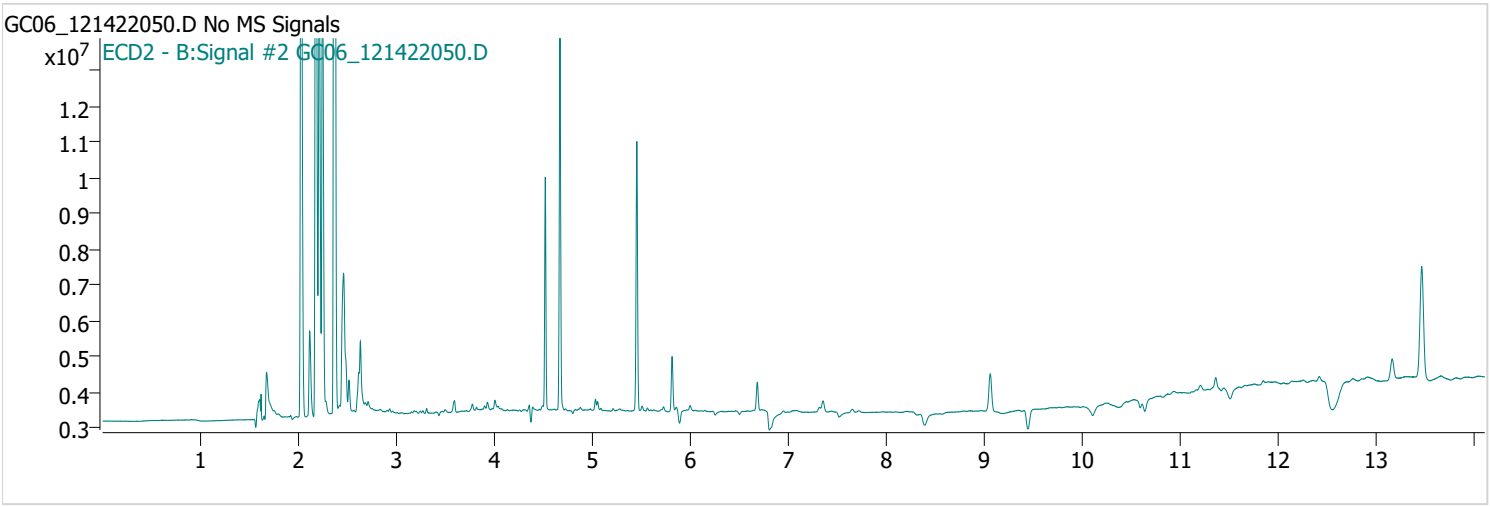
ISTD (CCV gc06_121422036)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

Analyst: MES 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422050.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 3:03:07 AM
Sample Name	474711-013, 303182, 1	Instrument	SVOA-GC06
Vial	33	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



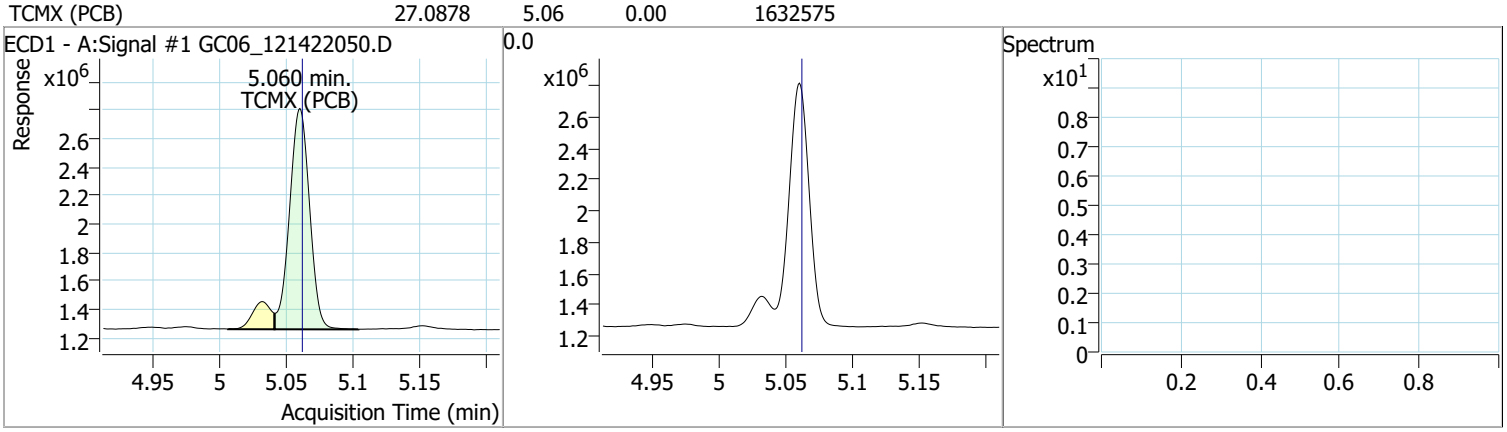


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	1253575.332	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	6237575.364	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.060	0.0	1632574.607	27.0878	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 135.44%		
S TCMX (PCB) #2	5.456	0.0	8024869.361	26.7892	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 133.95%		
S Decachlorobiphenyl (PCB)	12.070	0.0	2474427.175	28.2456	ng/ml	-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 141.23%		
S Decachlorobiphenyl (PCB) #2	13.471	0.0	8064279.916	23.3047	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 116.52%		
Target Compounds						QValue

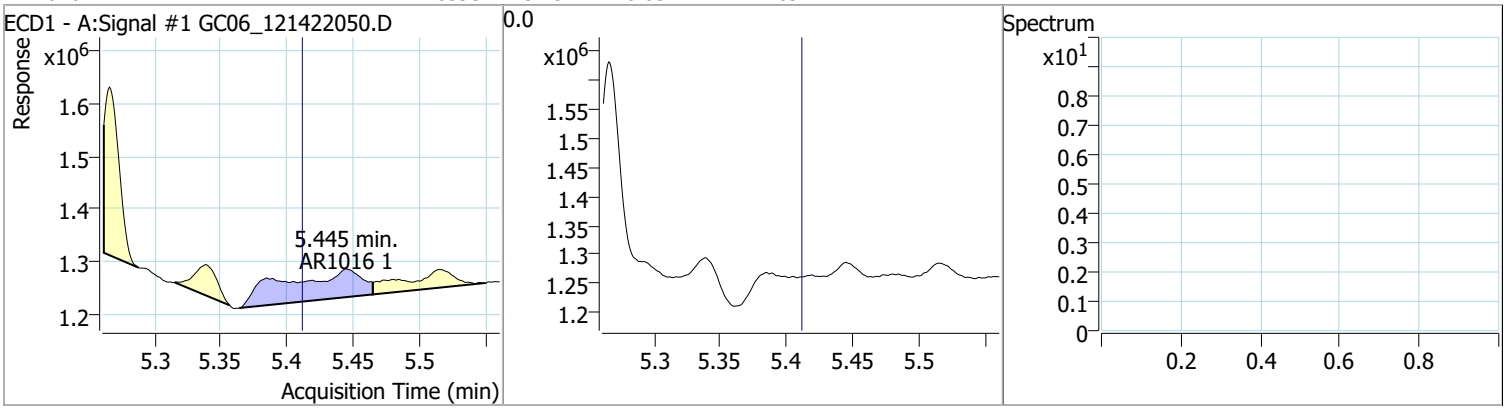
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.445	0.0	226923.613	172.6595	ng/ml	100
T AR1016 2	5.743	0.0	30994.026	0.0000	ng/ml	100
T AR1016 1 #2	5.999	0.0	2140490.155	330.1775	ng/ml	100
T AR1016 3	6.204	0.0	229590.862	68.8998	ng/ml	100
T AR1016 4	6.402	0.0	406292.977	160.3129	ng/ml	100
T AR1016 2 #2	6.321	0.0	412901.242	44.1215	ng/ml	100
T AR1016 5	6.592	0.0	181984.677	89.1501	ng/ml	100
T AR1016 3 #2	7.089	0.0	2953139.960	173.6725	ng/ml	100
T AR1016 4 #2	7.089	0.0	151498.944	12.4800	ng/ml	100
T AR1016 5 #2	7.320	0.0	207372.399	21.0159	ng/ml	100
T AR1260 1	8.770	0.0	289380.952	68.2766	ng/ml	100
T AR1260 2	9.336	0.0	16665.187	2.5797	ng/ml	100
T AR1260 3	9.614	0.0	109515.560	16.2194	ng/ml	100
T AR1260 1 #2	10.013	0.0	1192560.457	64.2441	ng/ml	100
T AR1260 4	10.150	0.0	331297.793	77.4563	ng/ml	100
T AR1260 2 #2	10.238	0.0	771960.350	34.6112	ng/ml	100
T AR1260 3 #2	10.616	0.0	203947.284	7.2241	ng/ml	100
T AR1260 5	10.888	0.0	218499.024	10.9682	ng/ml	100
T AR1260 4 #2	11.213	0.0	446771.031	5.1798	ng/ml	100
T AR1260 5 #2	11.368	0.0	1608192.413	49.8871	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

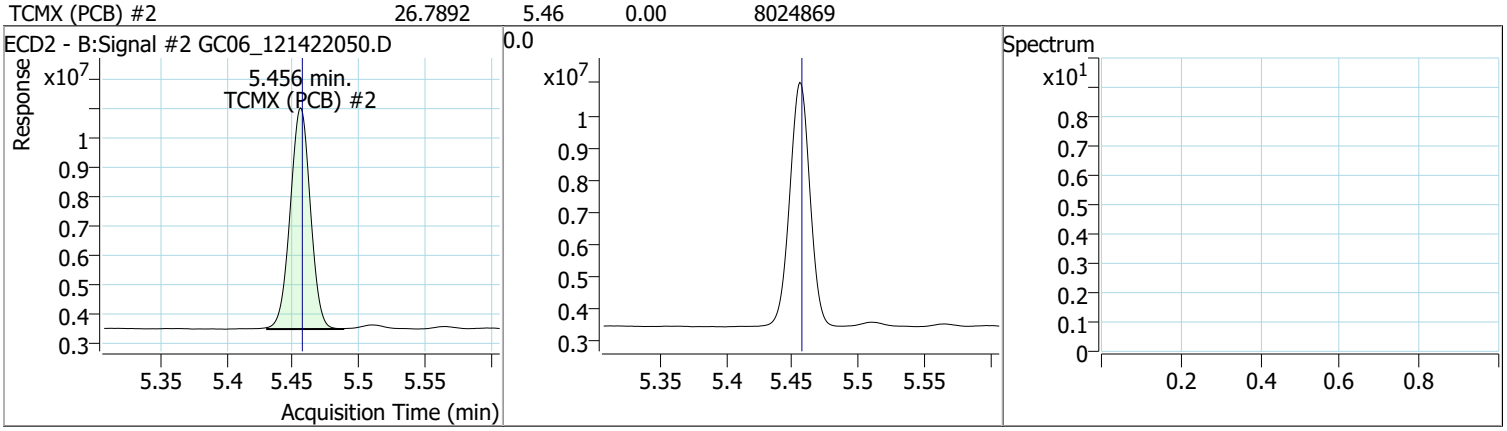
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	27.0878	5.06	0.00	1632575				



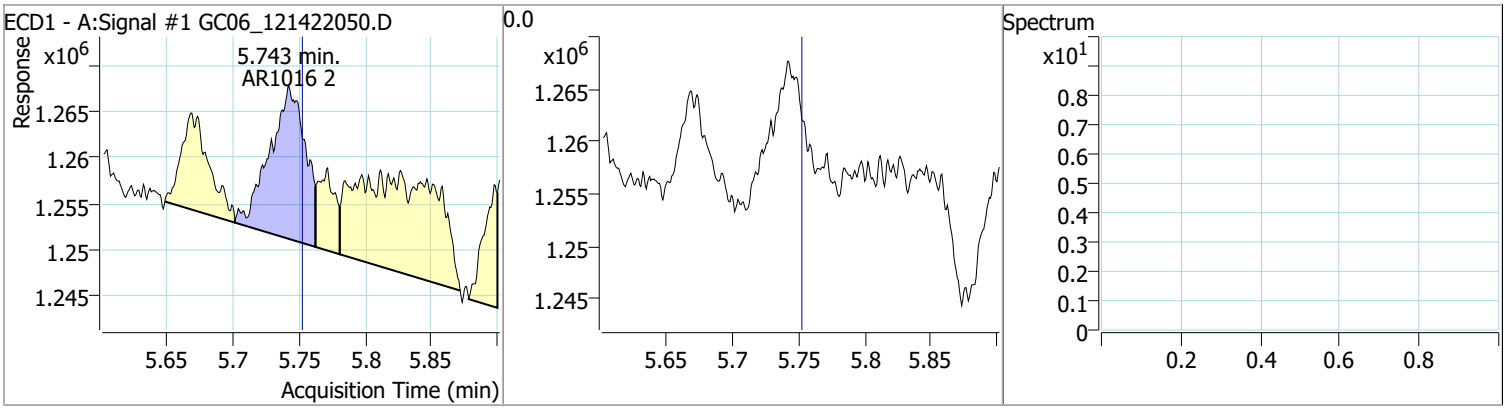
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	172.6595	5.45	0.03	226924				



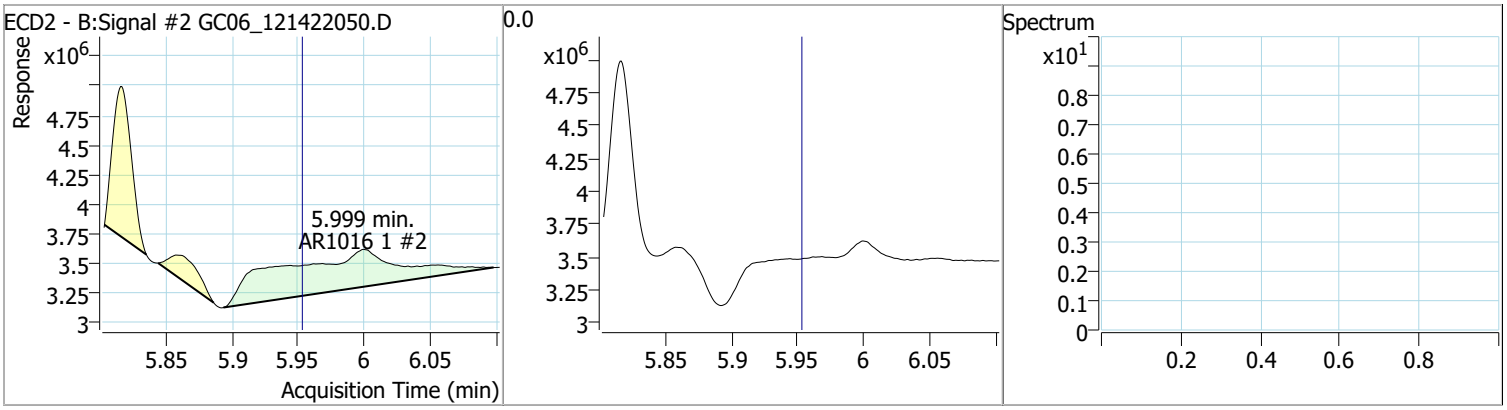
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	26.7892	5.46	0.00	8024869				



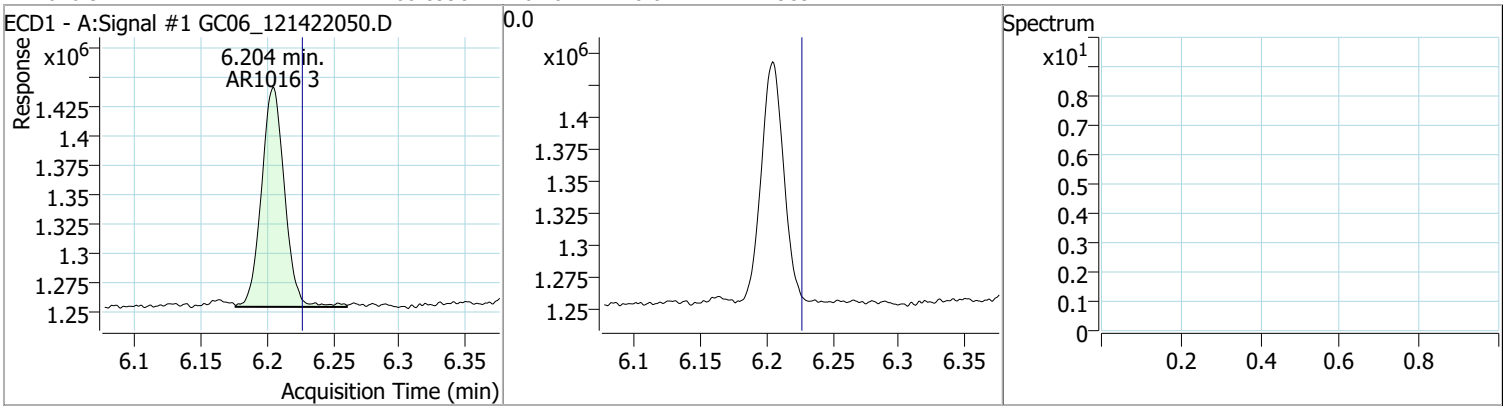
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.74	-0.01	30994				



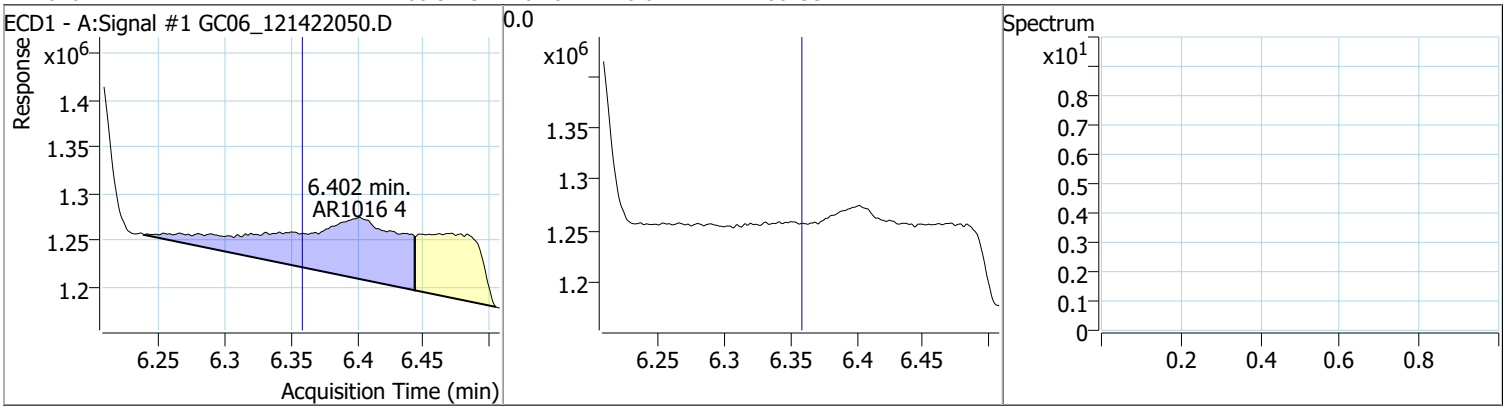
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	330.1775	6.00	0.05	2140490				



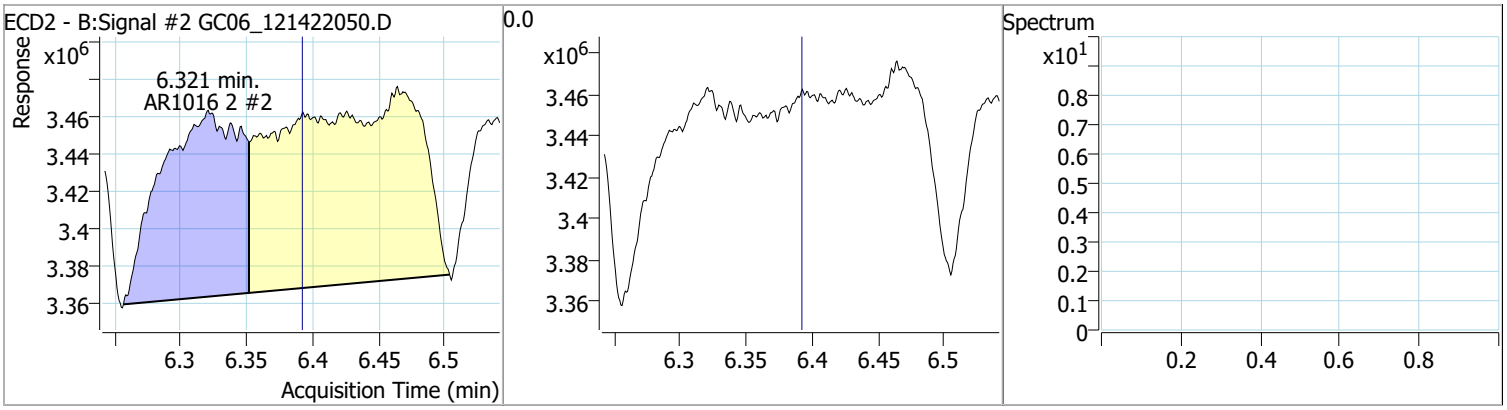
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	68.8998	6.20	-0.02	229591				



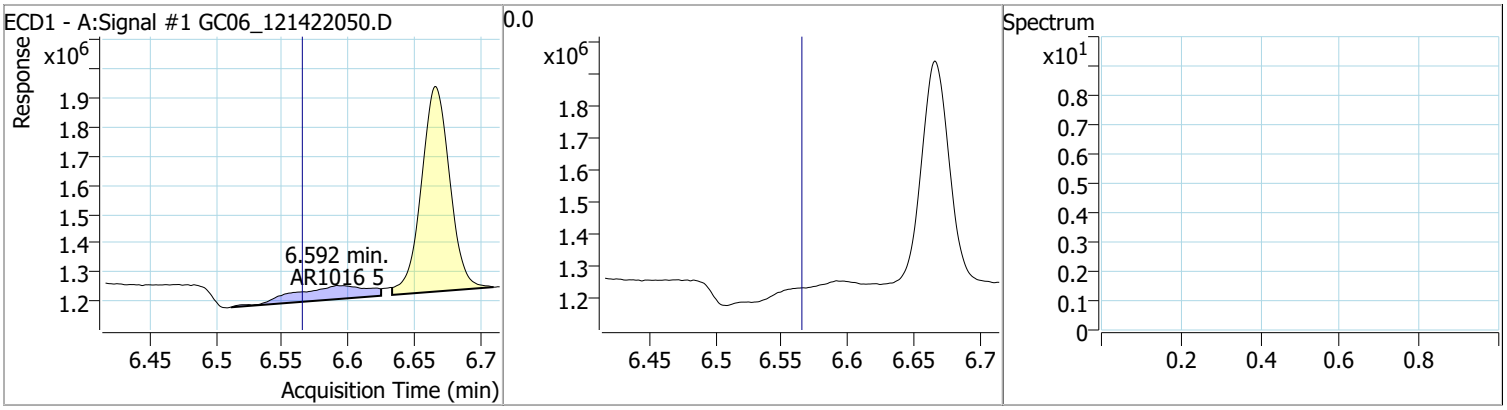
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	160.3129	6.40	0.04	406293				



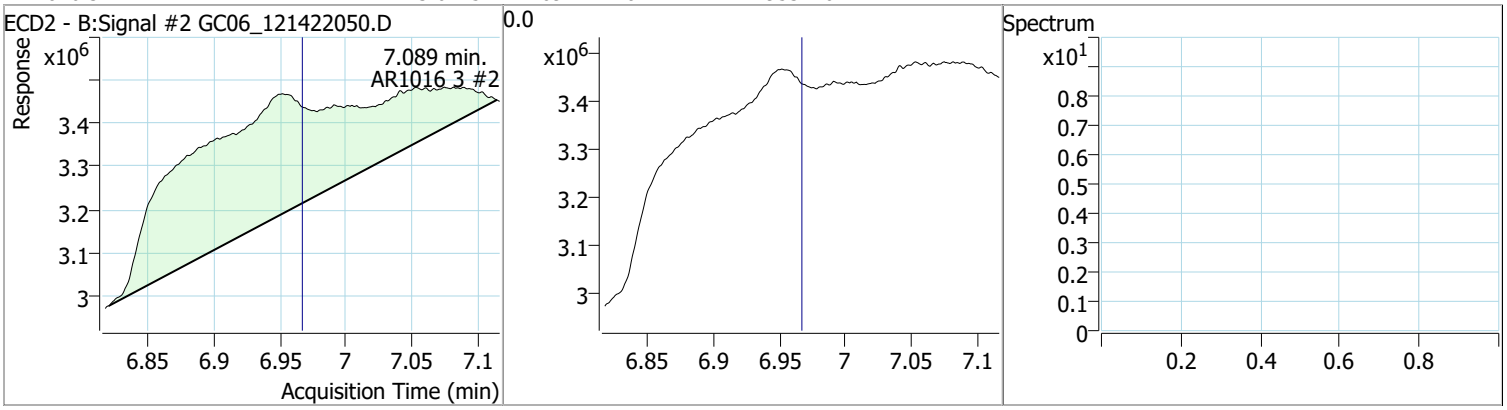
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	44.1215	6.32	-0.07	412901				



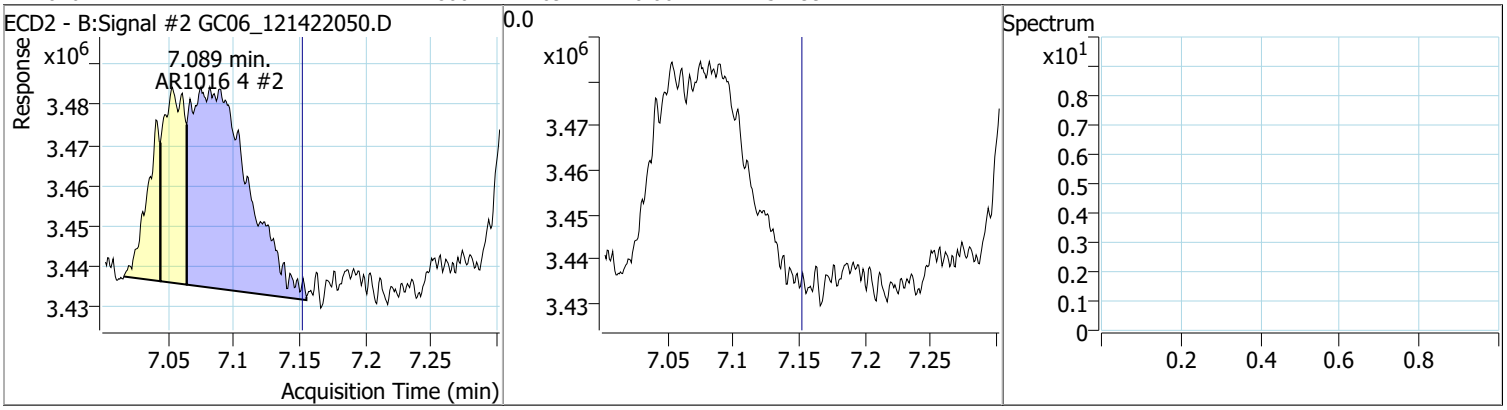
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	89.1501	6.59	0.02	181985				



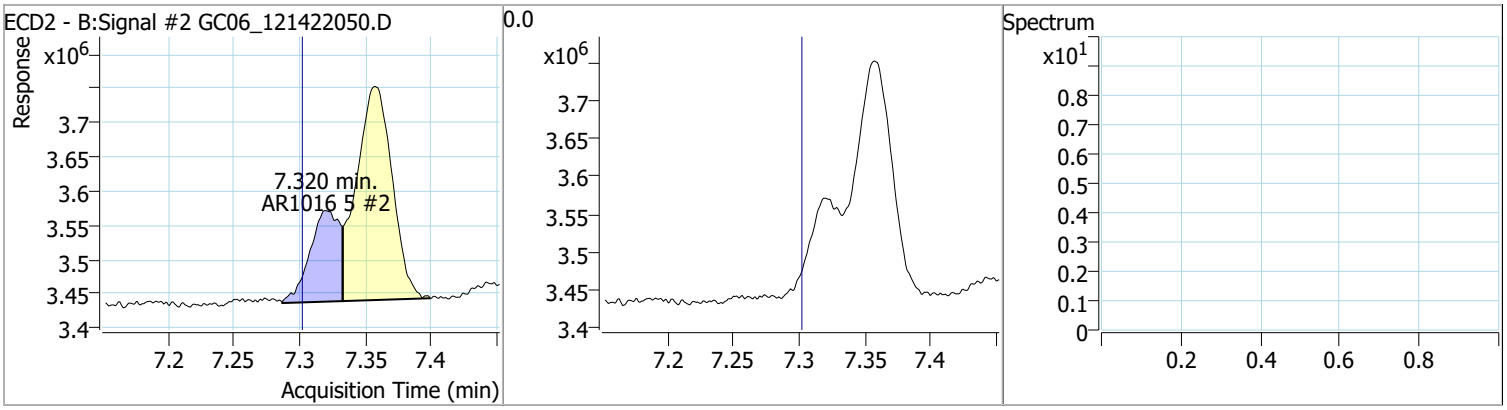
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	173.6725	7.09	0.12	2953140				



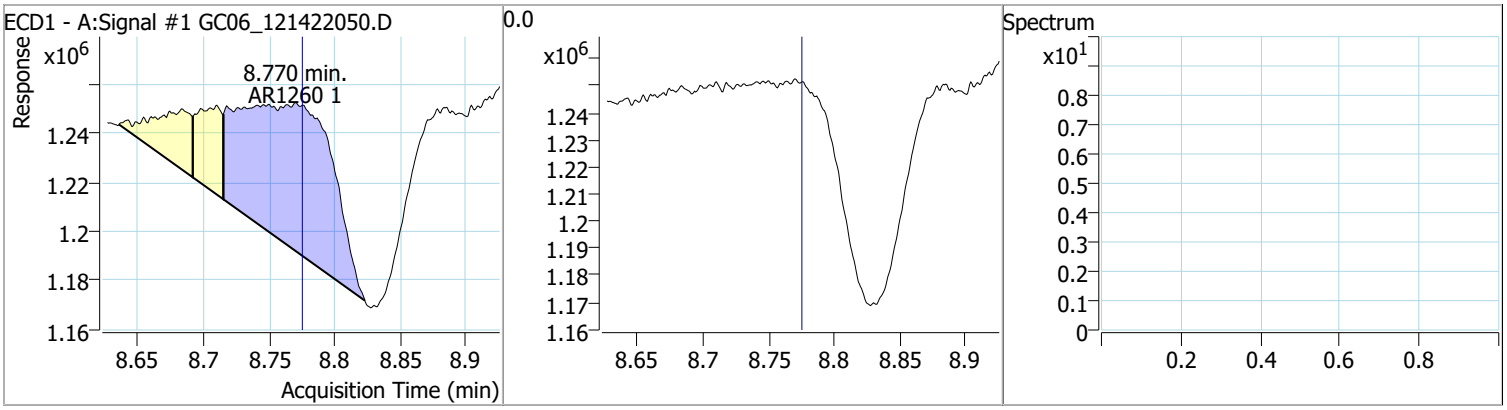
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	12.4800	7.09	-0.06	151499				



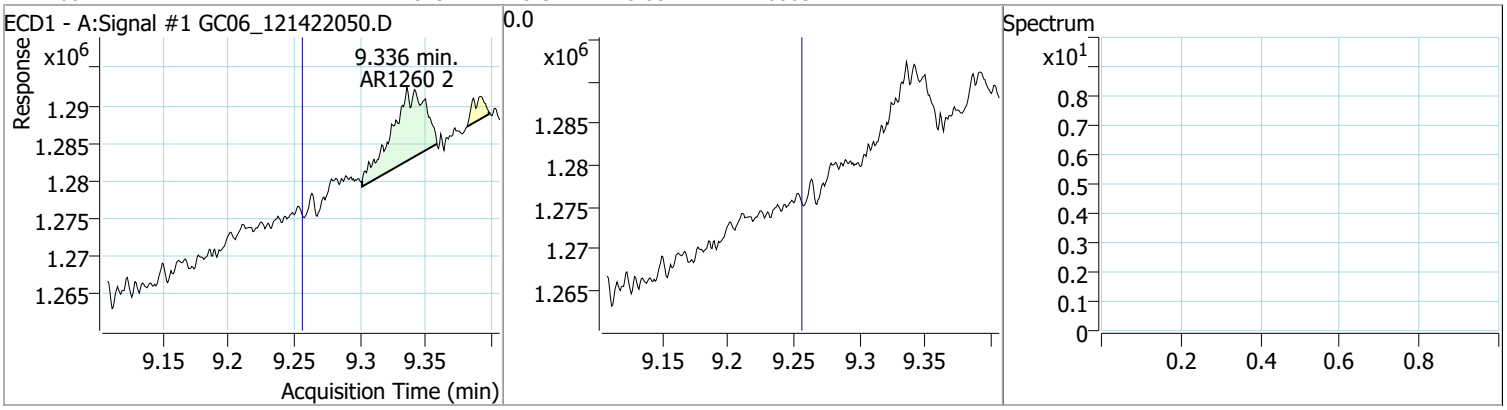
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	21.0159	7.32	0.02	207372				



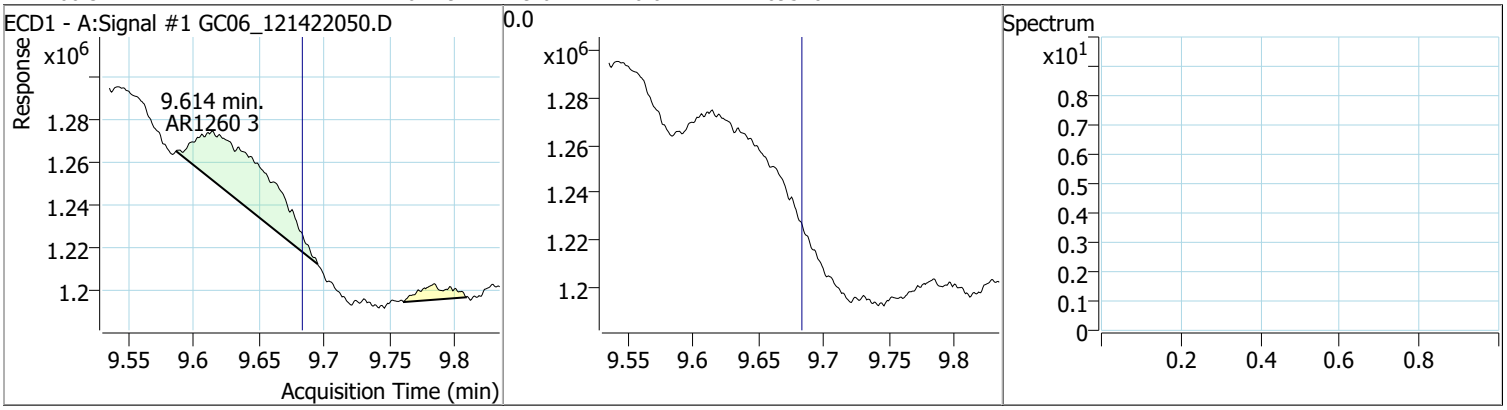
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	68.2766	8.77	-0.01	289381				



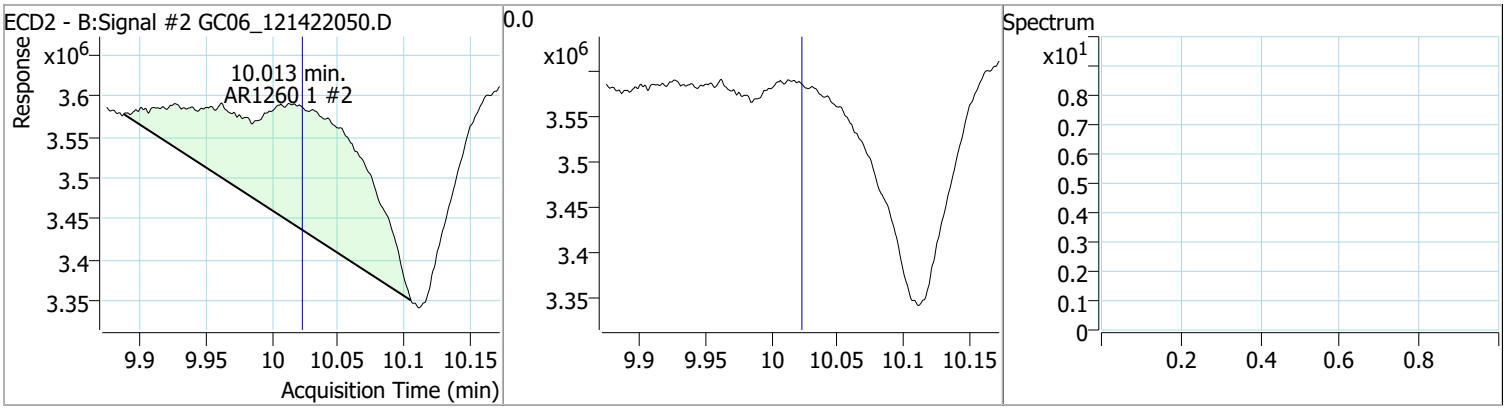
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.5797	9.34	0.08	16665				



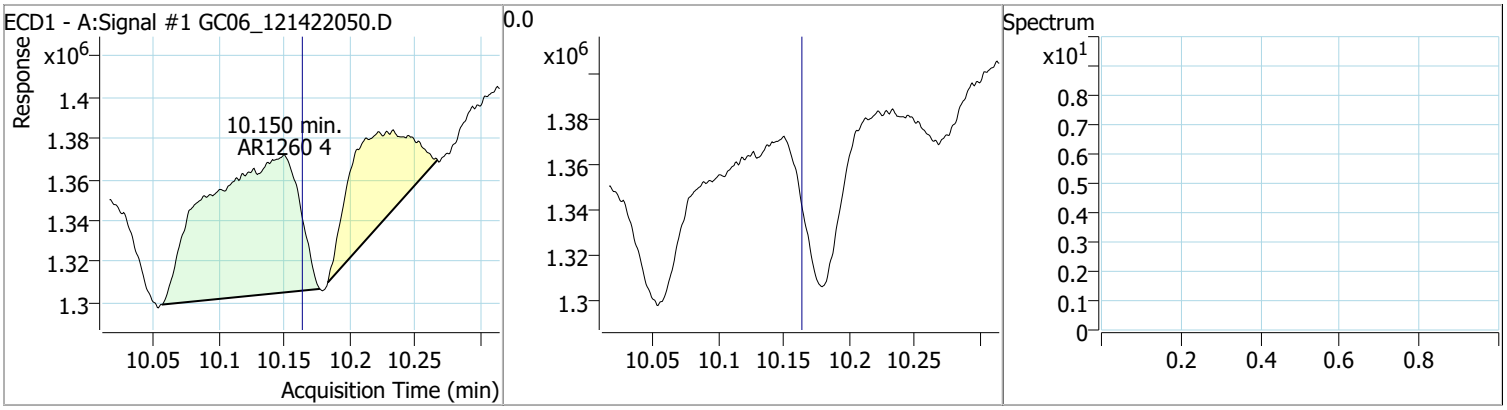
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	16.2194	9.61	-0.07	109516				



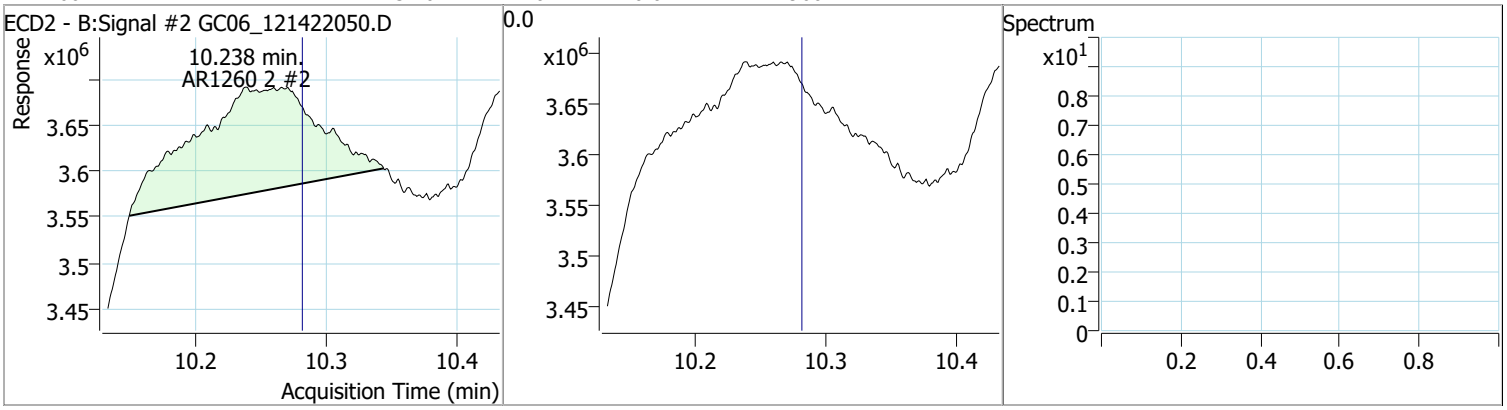
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	64.2441	10.01	-0.01	1192560				



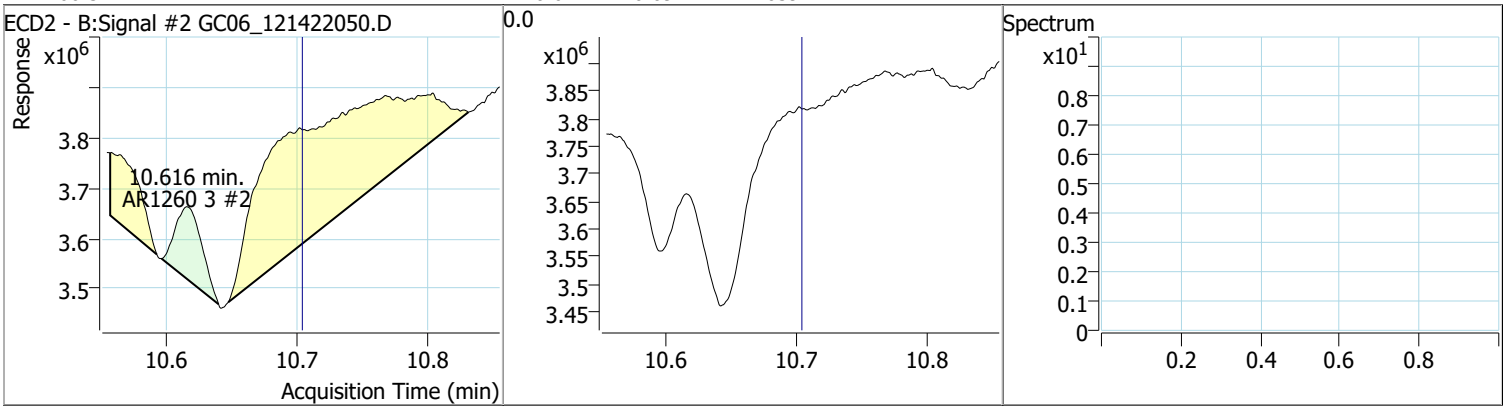
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	77.4563	10.15	-0.02	331298				



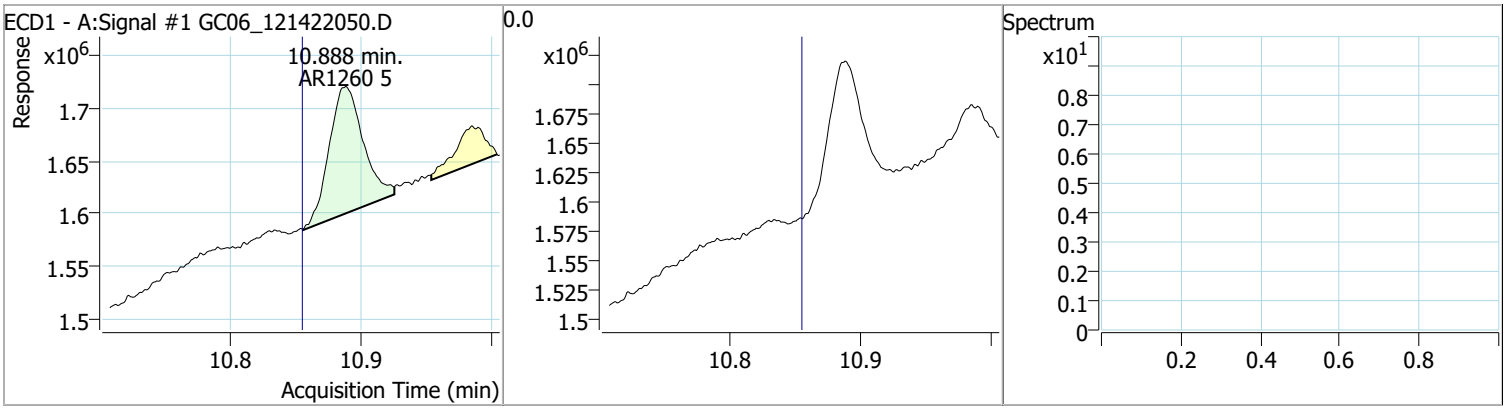
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	34.6112	10.24	-0.04	771960				



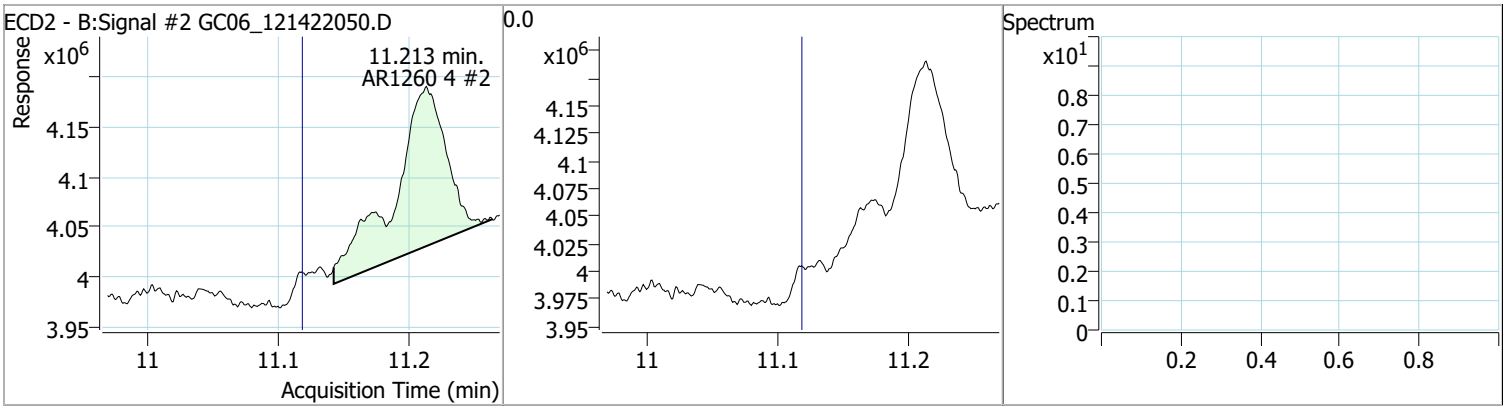
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.2241	10.62	-0.09	203947				



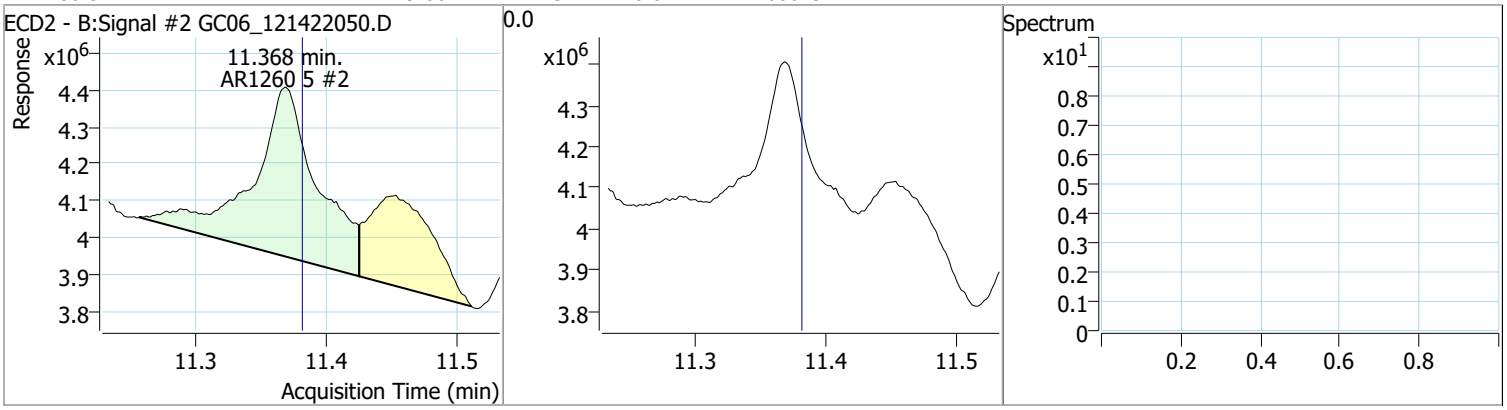
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	10.9682	10.89	0.03	218499				



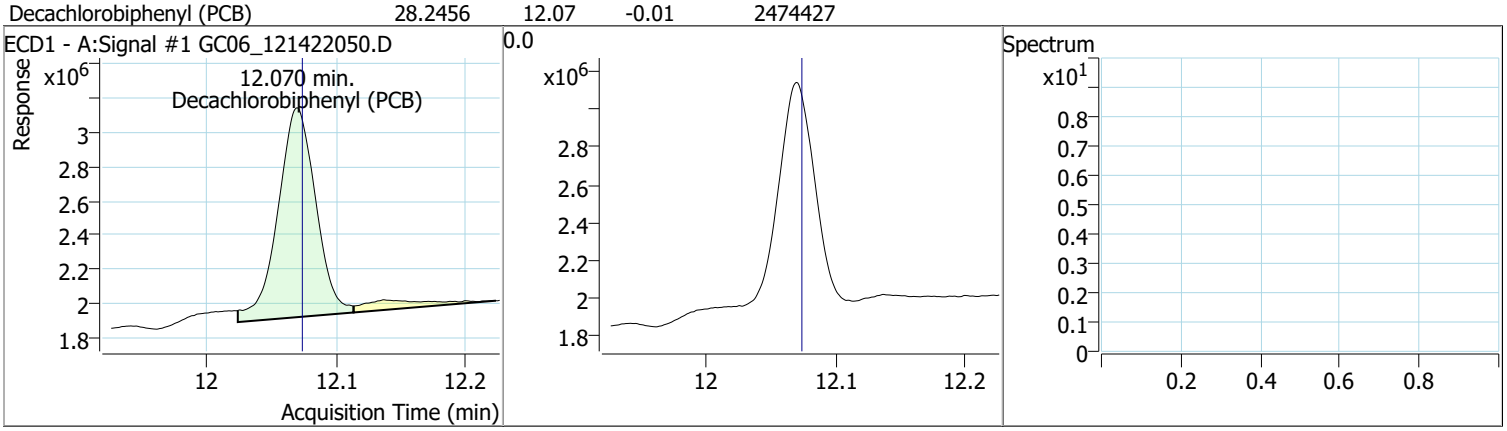
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	5.1798	11.21	0.09	446771				



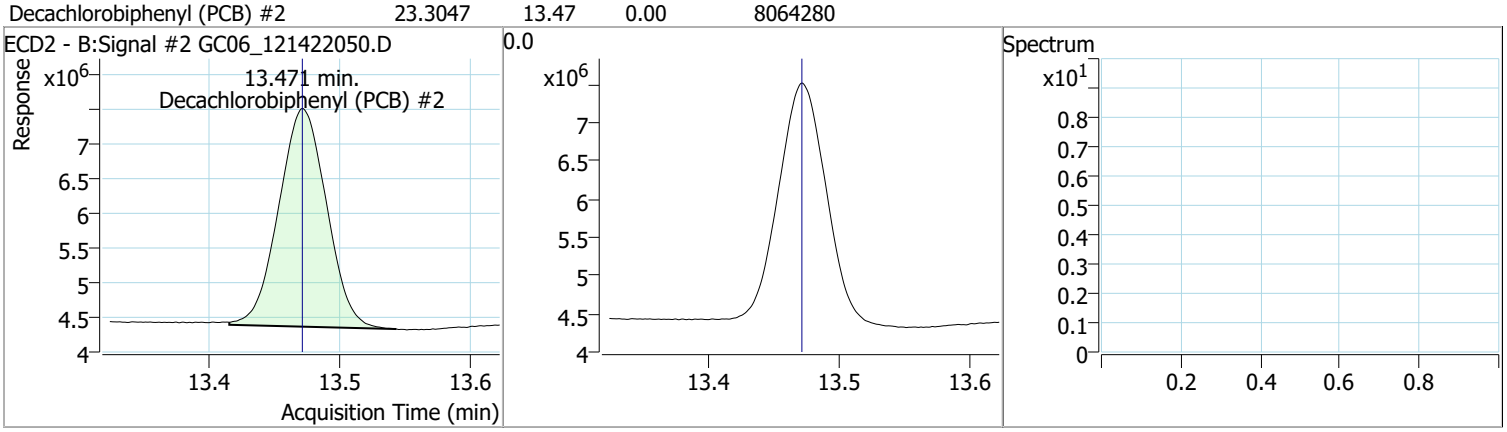
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	49.8871	11.37	-0.02	1608192				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	28.2456	12.07	-0.01	2474427				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	23.3047	13.47	0.00	8064280				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474711-014	Client ID:	20221209-2C-07-DUP
Seqnum:	452503102011	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121522011	Batch:	303181	Time:	15-DEC-2022 12:01
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	87.48	~~1.7~~ ~~FP~~	1.1	48%	0.50		x u
Aroclor-1016 Peak # 1	B	295.8	5.92	3.39	54%			
Aroclor-1016 Peak # 2	B	40.77	0.82	ND	217%			
Aroclor-1016 Peak # 3	B	94.62	1.89	0.61	102%			
Aroclor-1016 Peak # 4	B	3.692	0.07	0.04	49%			
Aroclor-1016 Peak # 5	B	2.564	0.05	1.32	185%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	6.061	ND	0.47	118%	0.50		u
Aroclor-1260 Peak # 1	B	6.771	0.14	0.97	151%			
Aroclor-1260 Peak # 2	B	2.861	0.06	0.00	184%			
Aroclor-1260 Peak # 3	B	7.719	0.15	ND				
Aroclor-1260 Peak # 4	B	-20.83	ND	1.10	445%			
Aroclor-1260 Peak # 5	B	33.79	0.68	0.28	84%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	20.70	0.5000	0.4140	83	52-121	u
Decachlorobiphenyl (PCB)	B	27.48	0.5000	0.5496	110	50-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121522004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8070907	5302766	-34.30
1-bromo-2-nitrobenzene (PCB)	A	1798677	1182159	-34.28

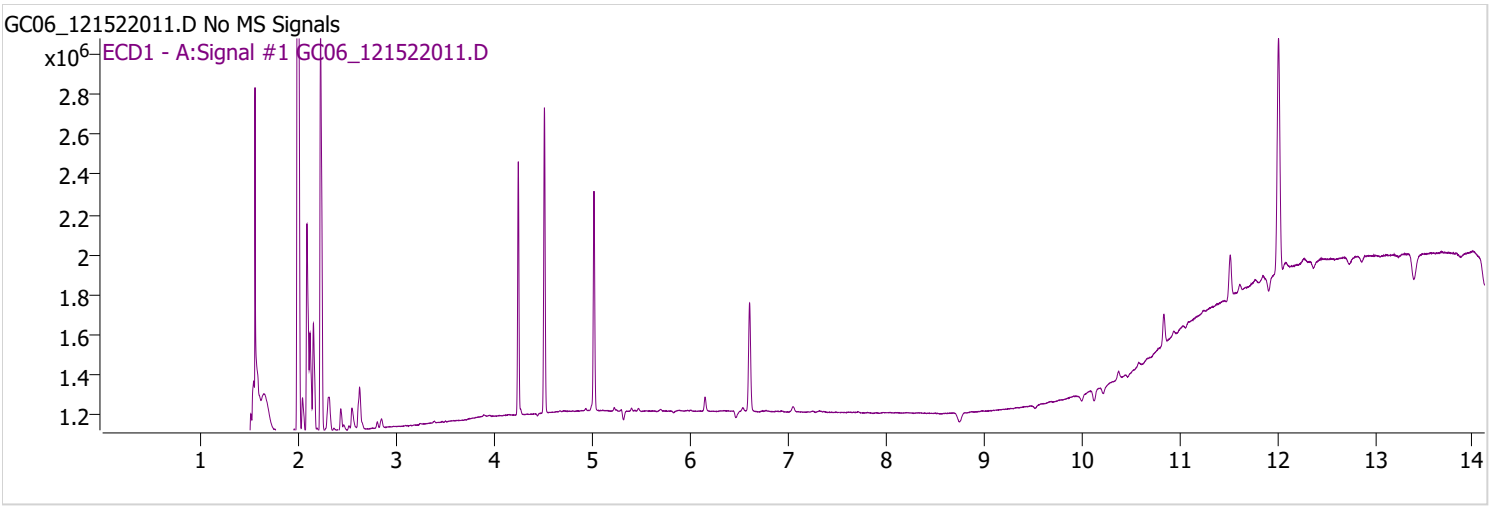
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

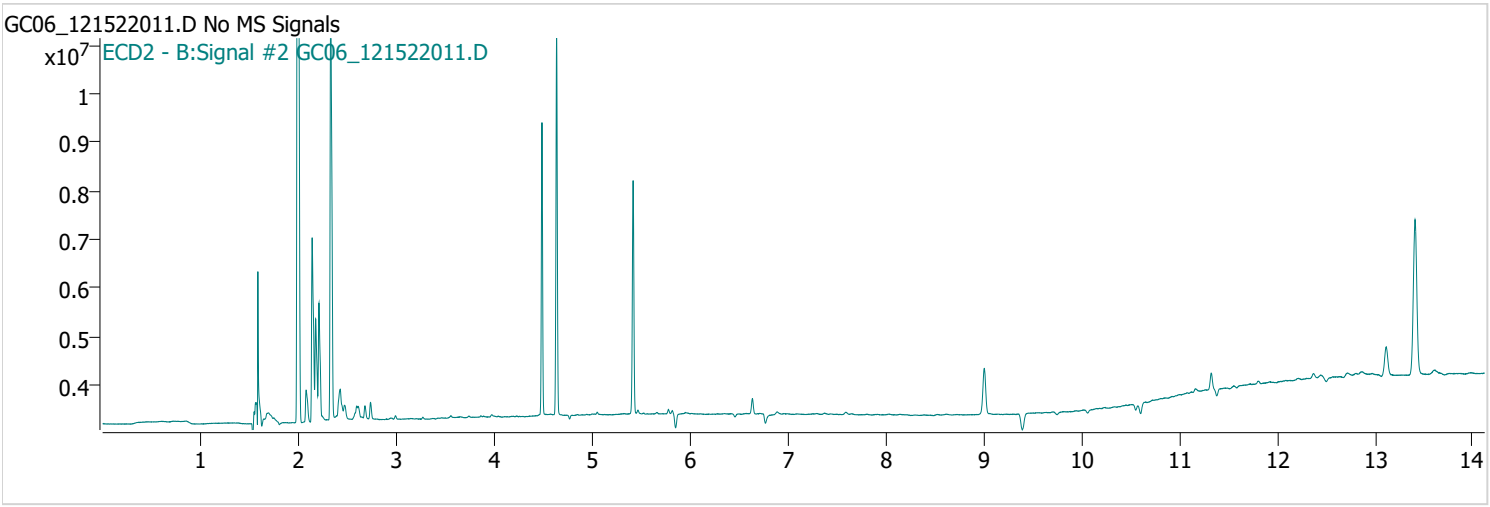
ISTD (CCV gc06_121522004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.49	4.49	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.25	4.25	0.00

Analyst: TRN 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121522011.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 12:01:32 PM
Sample Name	474711-014, 303181, 1	Instrument	SVOA-GC06
Vial	1	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_12.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121522PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



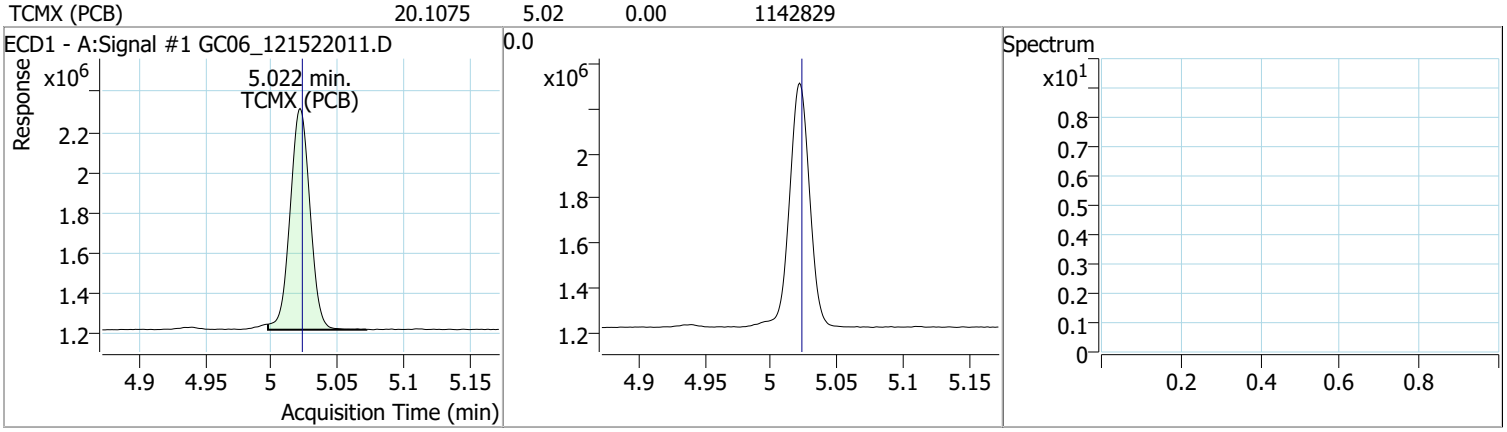


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.248	0.0	1182159.341	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.490	0.0	5302765.789	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.022	0.0	1142829.374	20.1075	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 100.54%		
S TCMX (PCB) #2	5.422	0.0	5271958.068	20.7017	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 103.51%		
S Decachlorobiphenyl (PCB)	12.016	0.0	2431072.603	29.6079	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 148.04%		
S Decachlorobiphenyl (PCB) #2	13.411	0.0	7982184.186	27.4812	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 137.41%		
Target Compounds						QValue

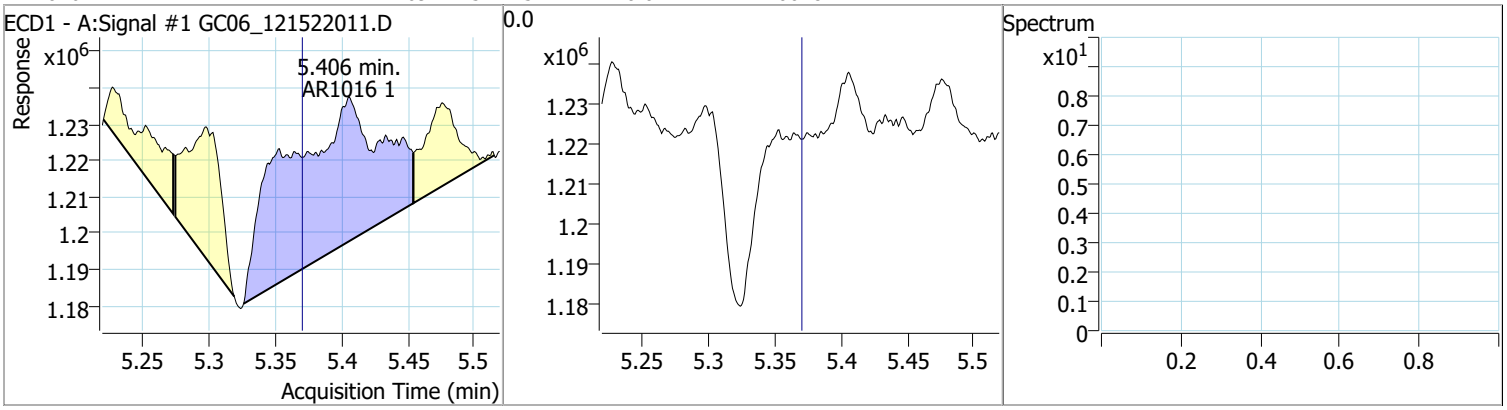
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.406	0.0	210048.250	169.4745	ng/ml	100
T AR1016 2	5.703	0.0	33852.043	0.0000	ng/ml	100
T AR1016 1 #2	5.955	0.0	1630130.774	295.7808	ng/ml	100
T AR1016 3	6.156	0.0	96122.223	30.5887	ng/ml	100
T AR1016 4	6.311	0.0	5359.361	2.2424	ng/ml	100
T AR1016 2 #2	6.358	0.0	324386.110	40.7736	ng/ml	100
T AR1016 5	6.541	0.0	127153.284	66.0525	ng/ml	100
T AR1016 3 #2	6.893	0.0	1367775.656	94.6183	ng/ml	100
T AR1016 4 #2	7.102	0.0	38100.813	3.6919	ng/ml	100
T AR1016 5 #2	7.255	0.0	21510.872	2.5643	ng/ml	100
T AR1260 1	8.682	0.0	193164.731	48.3286	ng/ml	100
T AR1260 2	9.230	0.0	717.687	0.1178	ng/ml	100
T AR1260 3	0.000		0	N.D.		
T AR1260 1 #2	9.955	0.0	106860.444	6.7715	ng/ml	100
T AR1260 4	10.100	0.0	236258.332	54.8091	ng/ml	100
T AR1260 2 #2	10.245	0.0	54254.987	2.8614	ng/ml	100
T AR1260 3 #2	10.578	0.0	185259.644	7.7189	ng/ml	100
T AR1260 5	10.845	0.0	226358.968	13.8331	ng/ml	100
T AR1260 4 #2	11.083	0.0	37136.213	0.0000	ng/ml	100
T AR1260 5 #2	11.328	0.0	1046172.067	33.7931	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

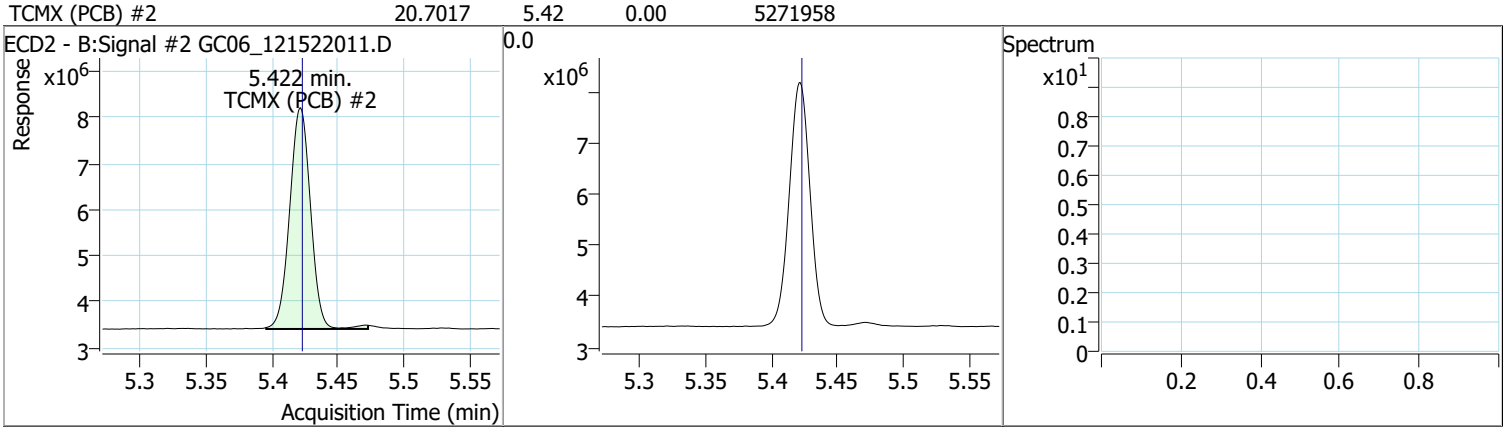
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	20.1075	5.02	0.00	1142829				



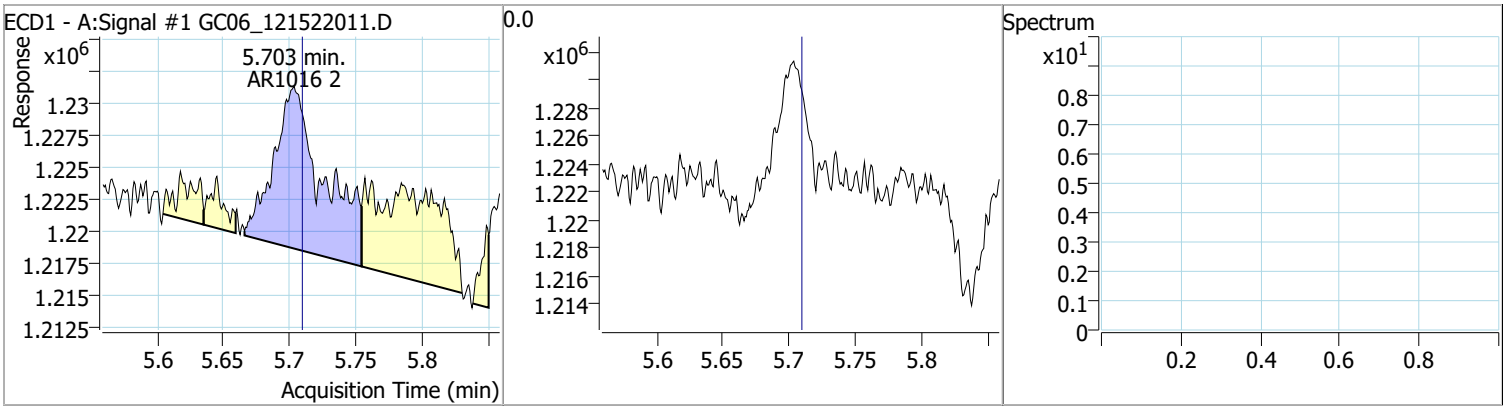
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	169.4745	5.41	0.04	210048				



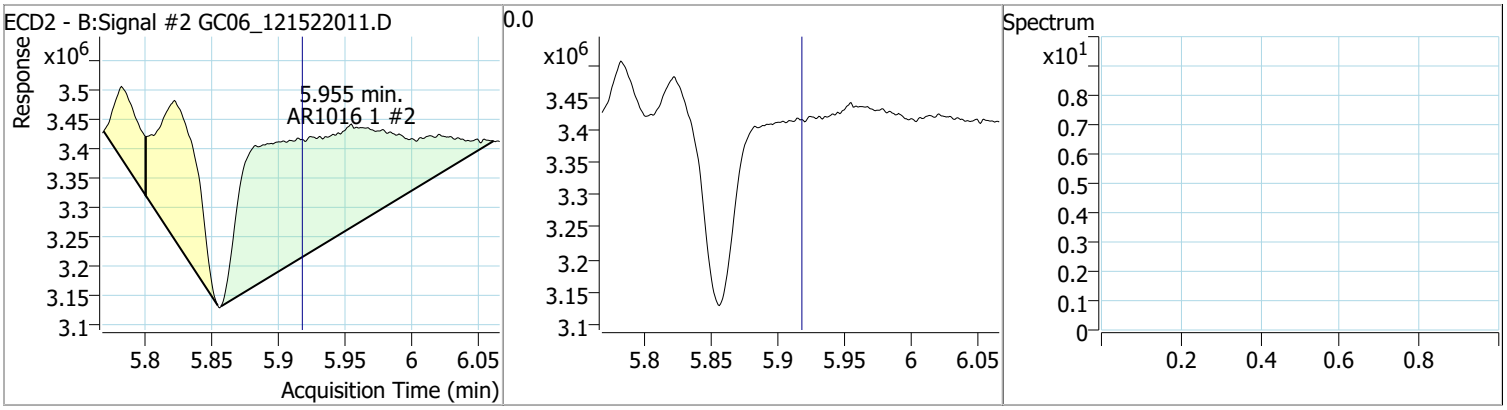
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	20.7017	5.42	0.00	5271958				



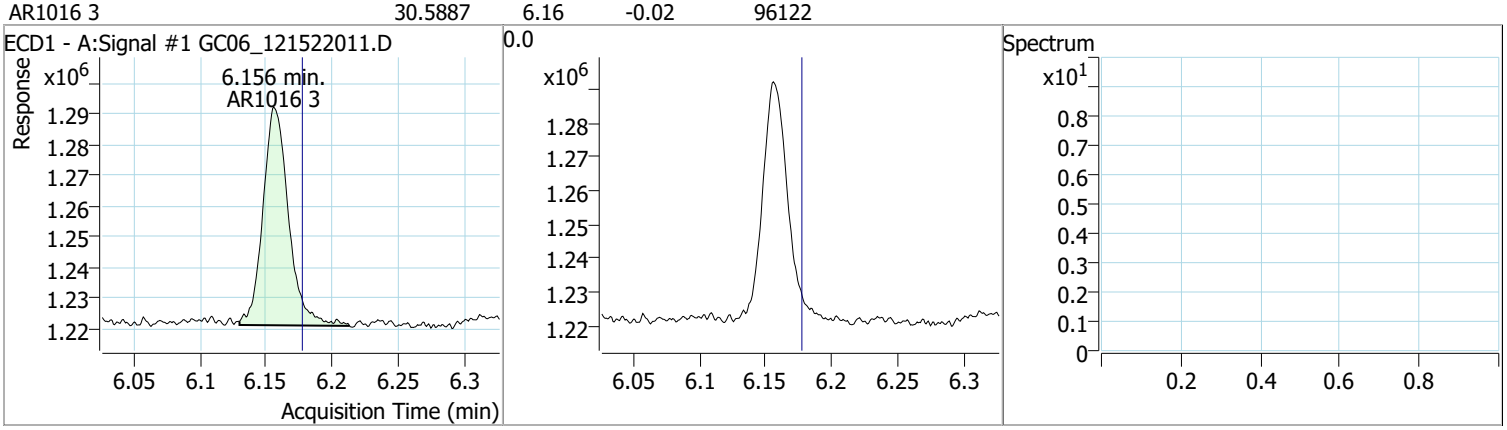
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.70	0.00	33852				



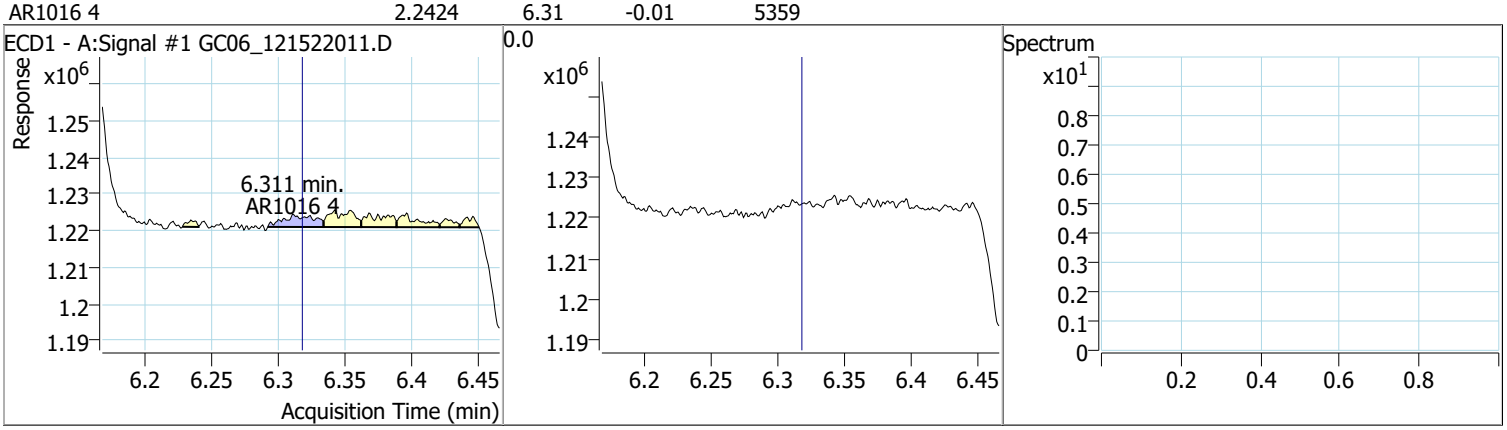
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	295.7808	5.96	0.04	1630131				



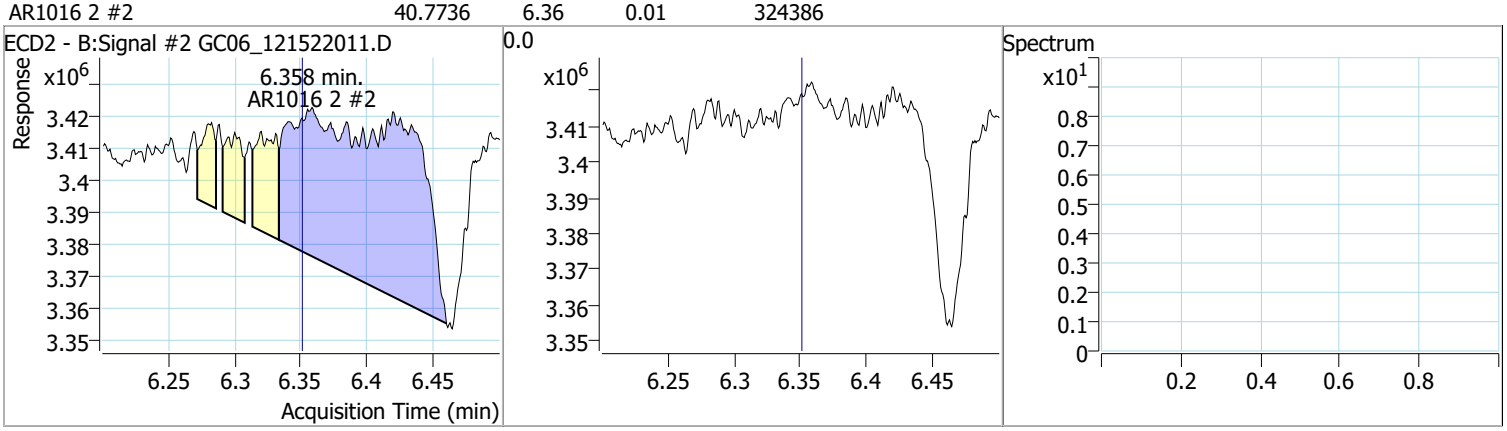
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	30.5887	6.16	-0.02	96122				



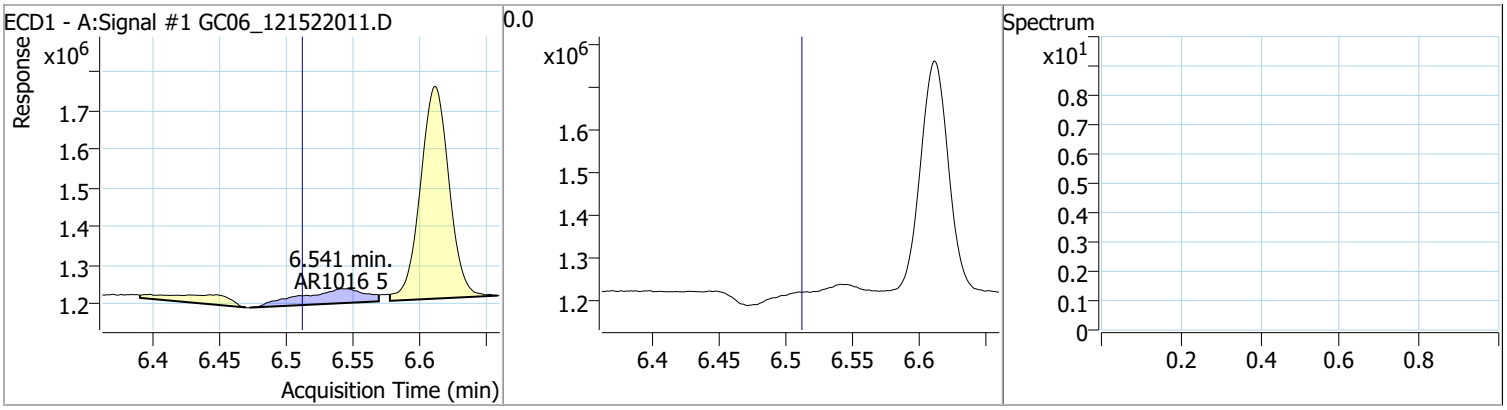
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	2.2424	6.31	-0.01	5359				



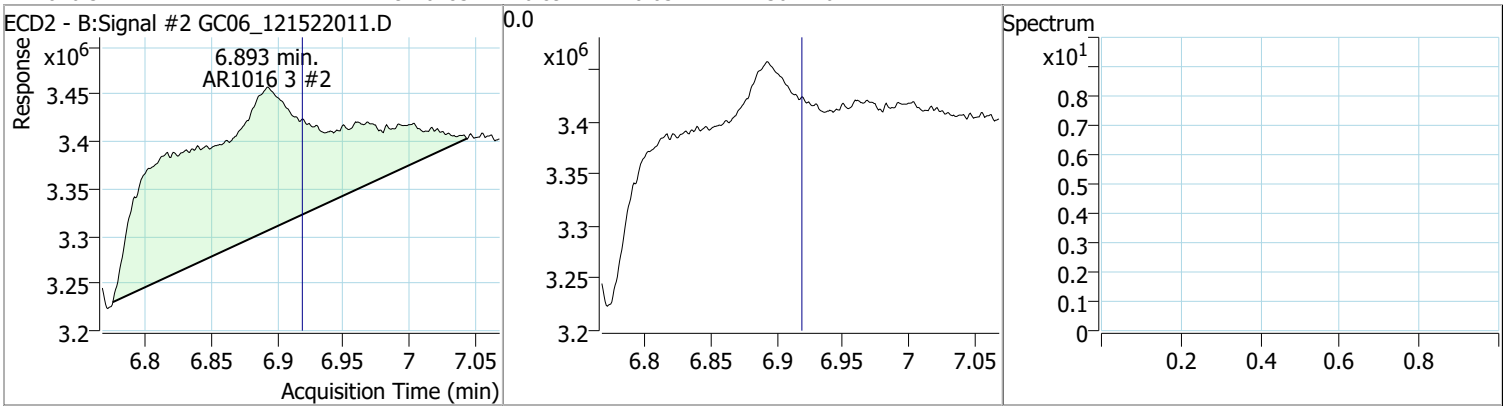
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	40.7736	6.36	0.01	324386				



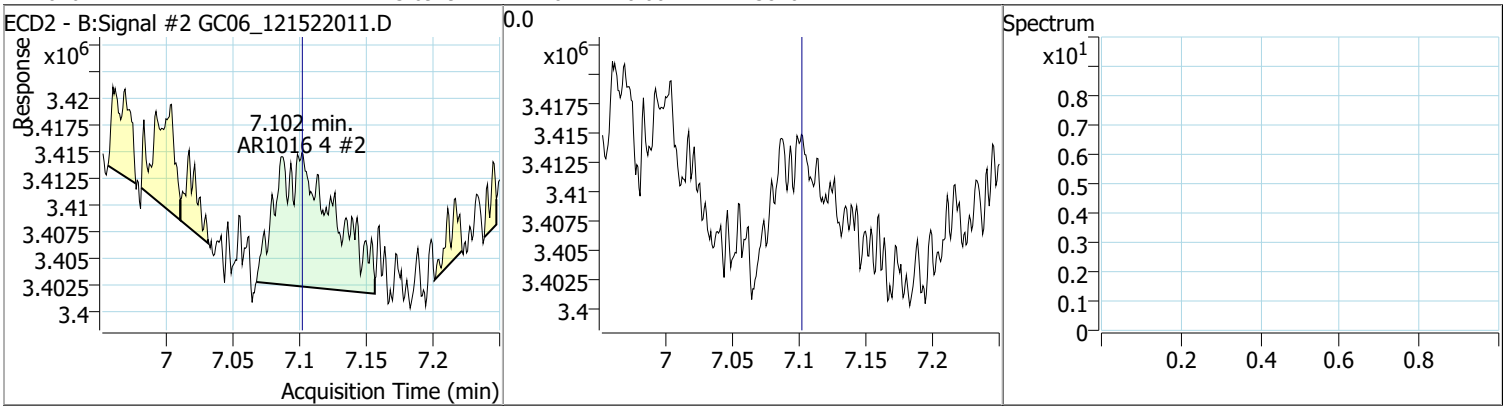
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	66.0525	6.54	0.03	127153				



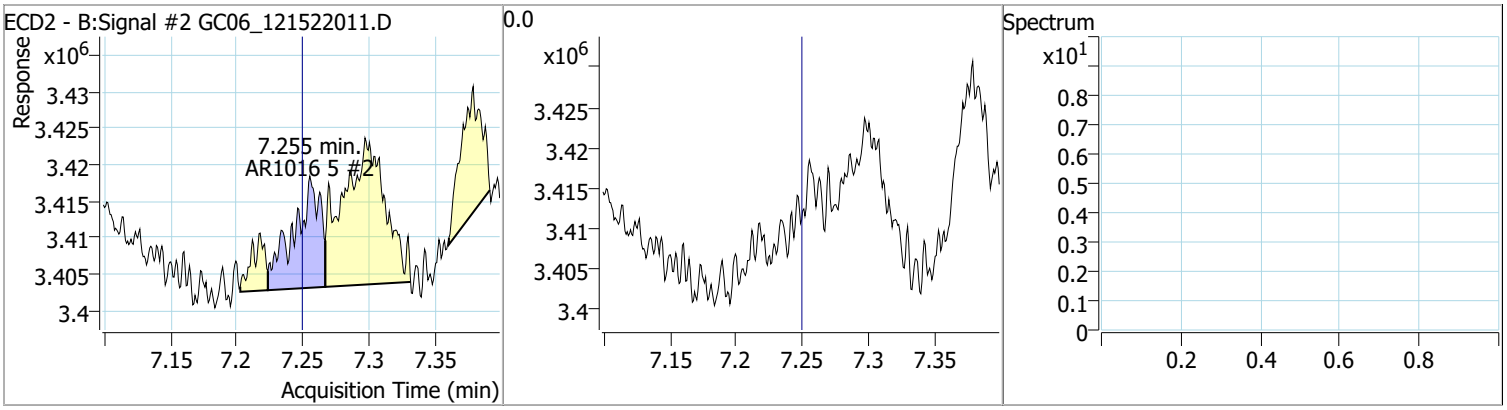
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	94.6183	6.89	-0.03	1367776				



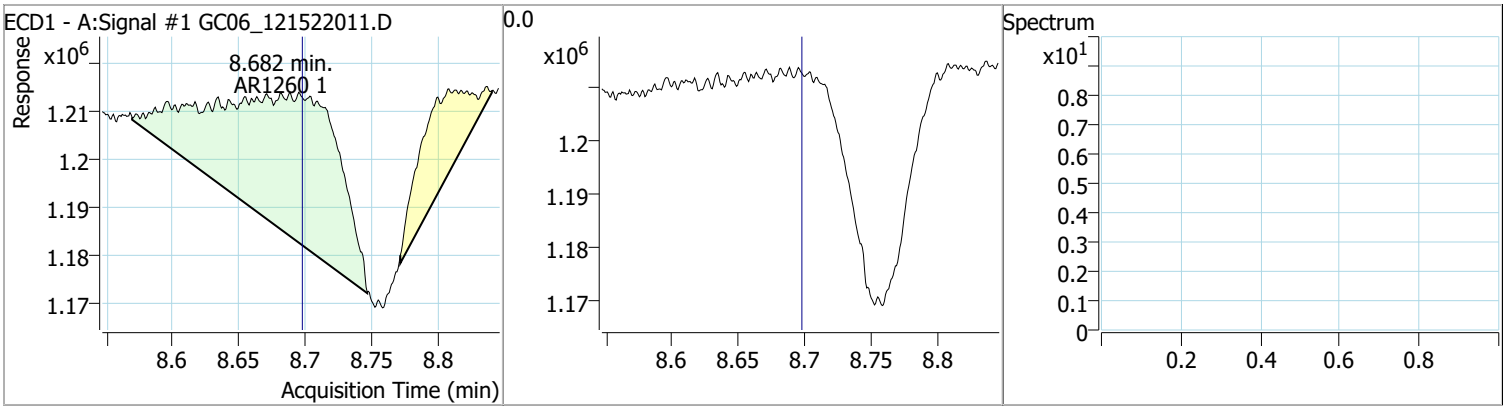
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	3.6919	7.10	0.00	38101				



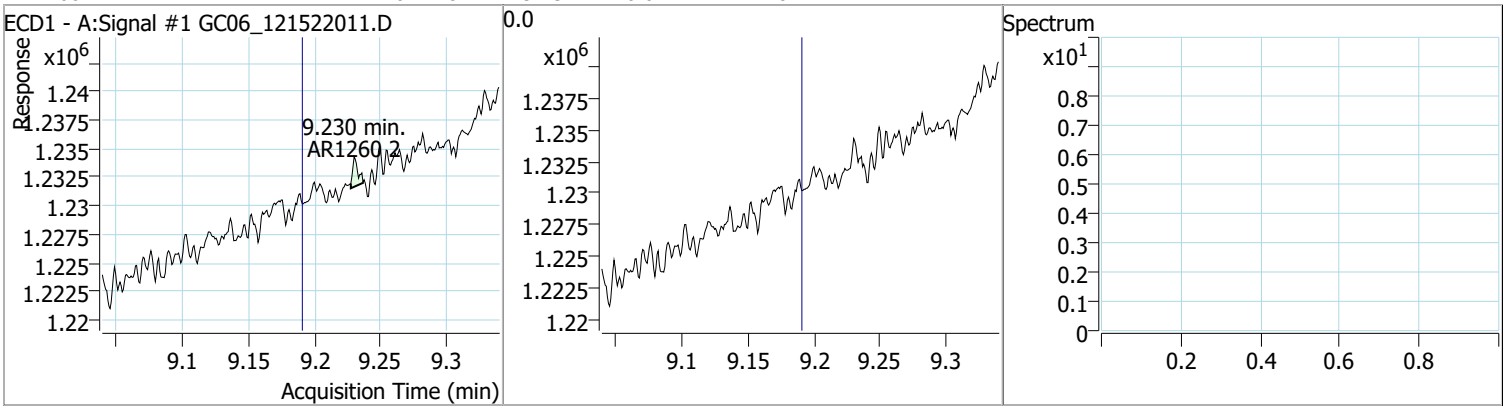
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.5643	7.26	0.01	21511				



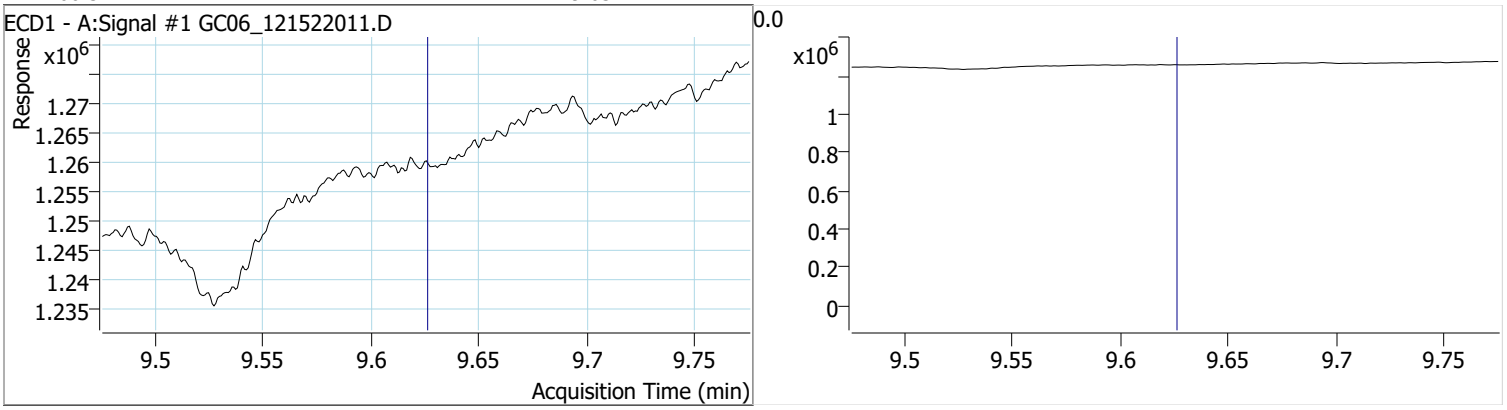
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	48.3286	8.68	-0.01	193165				



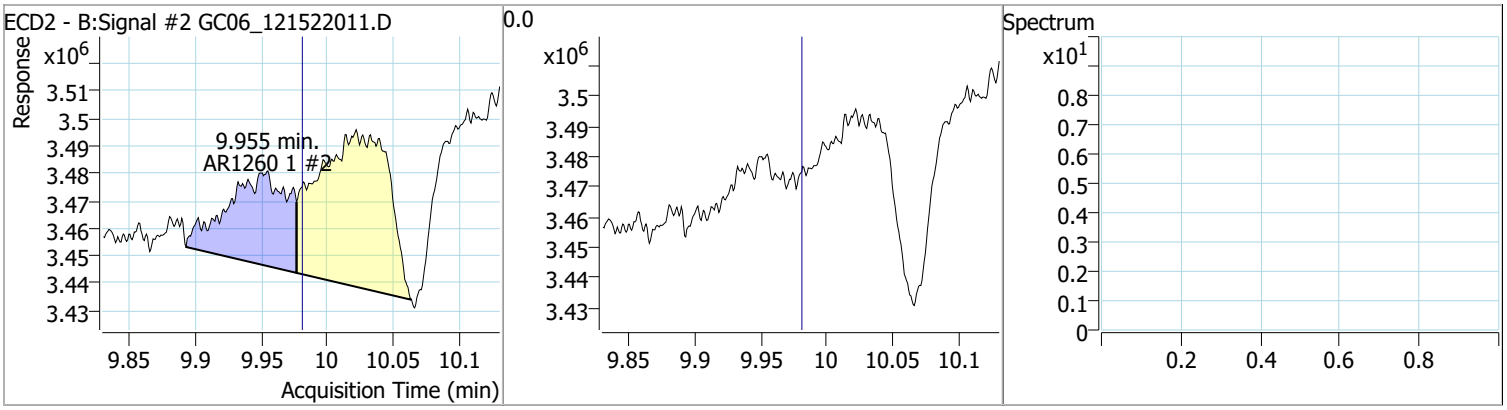
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.1178	9.23	0.04	718				



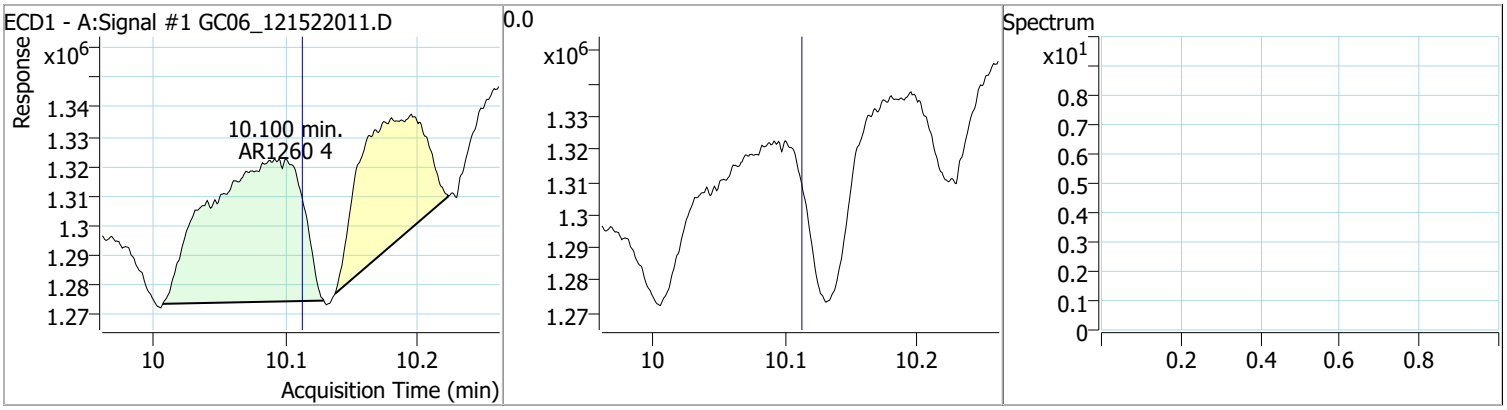
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 3	N.D.	9.63		



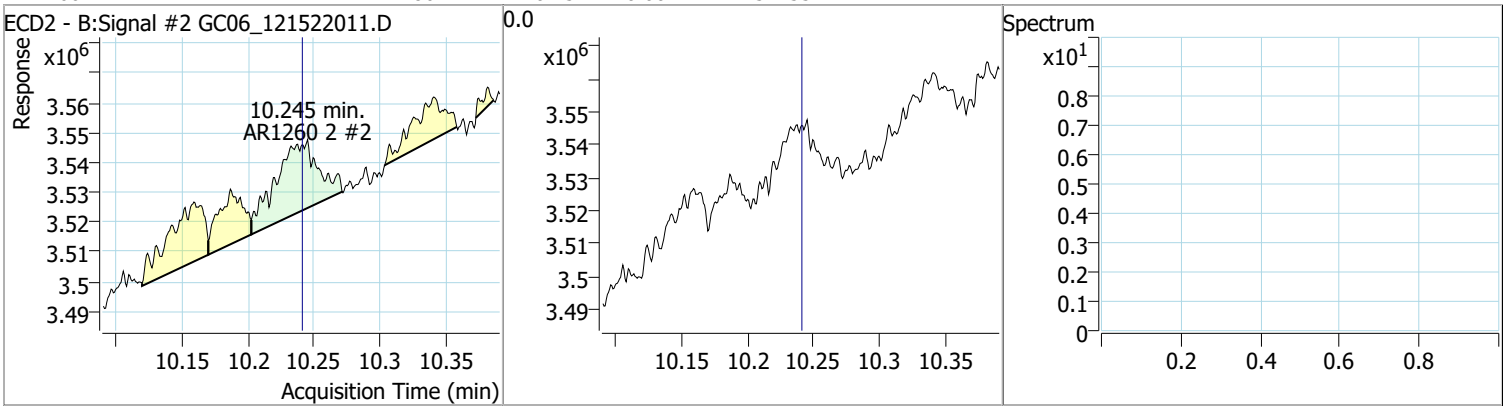
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	6.7715	9.96	-0.03	106860				



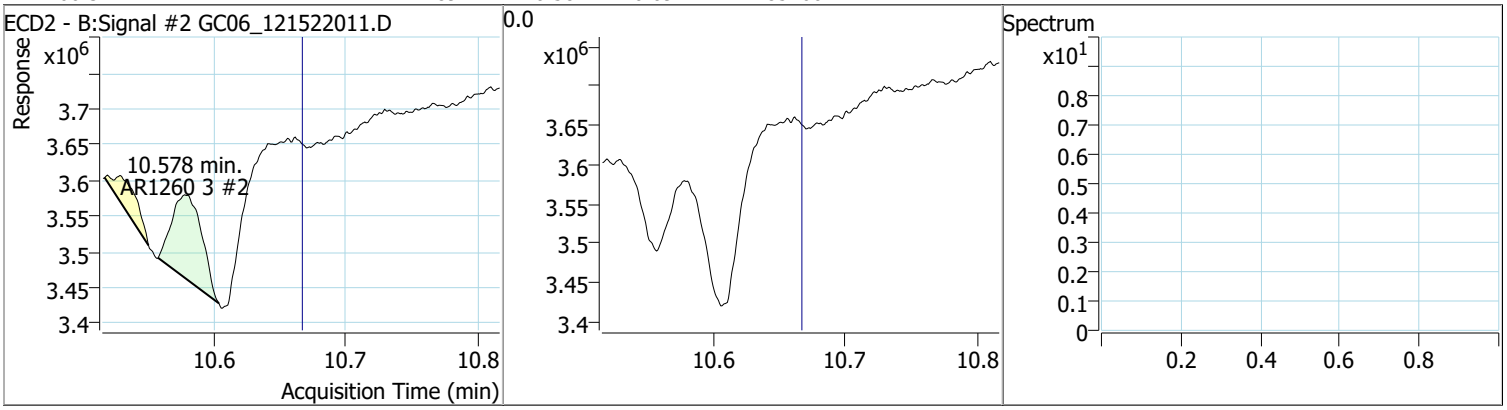
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	54.8091	10.10	-0.01	236258				



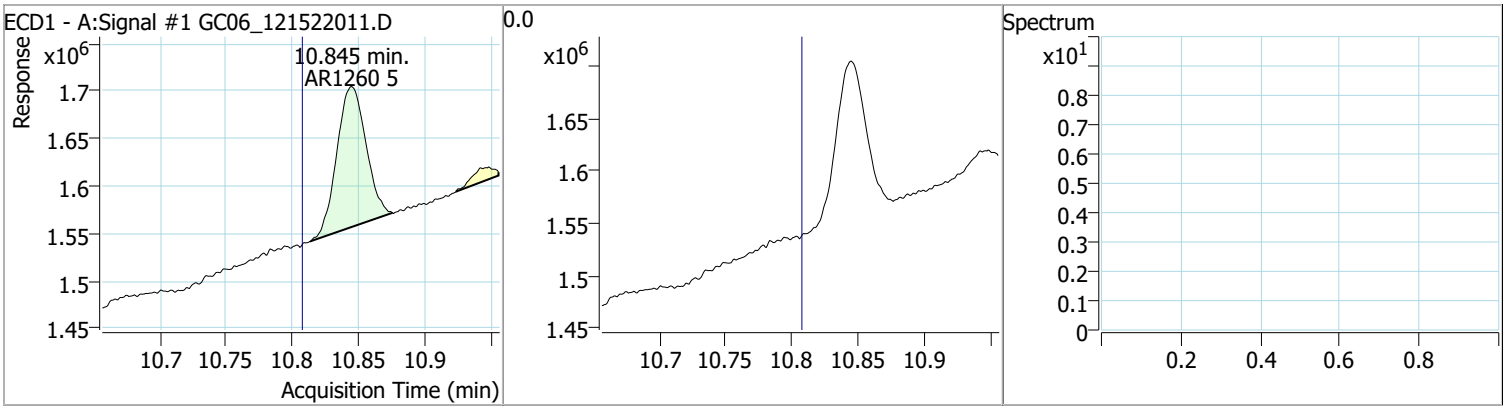
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	2.8614	10.25	0.00	54255				



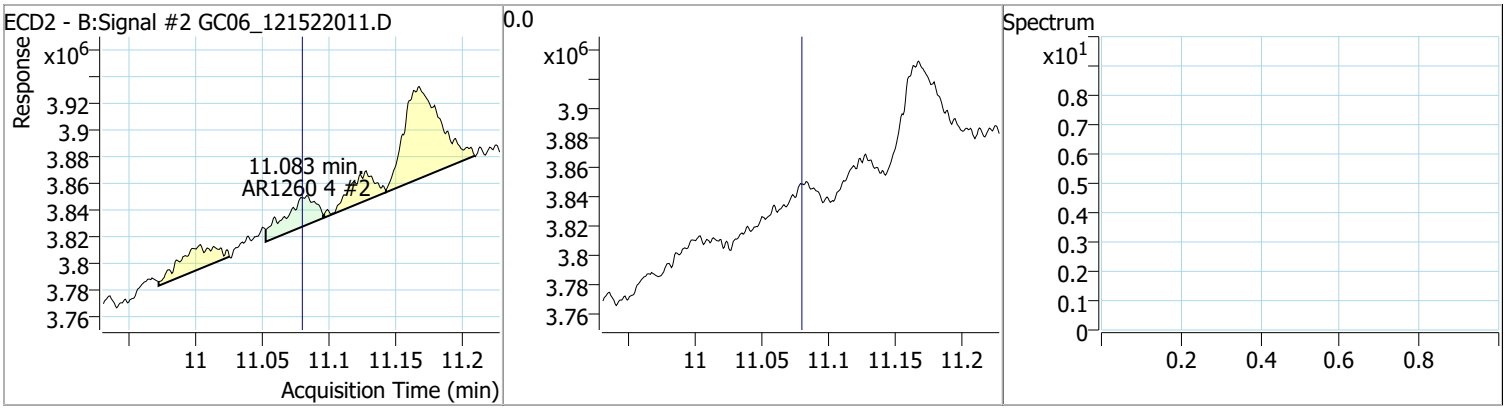
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.7189	10.58	-0.09	185260				



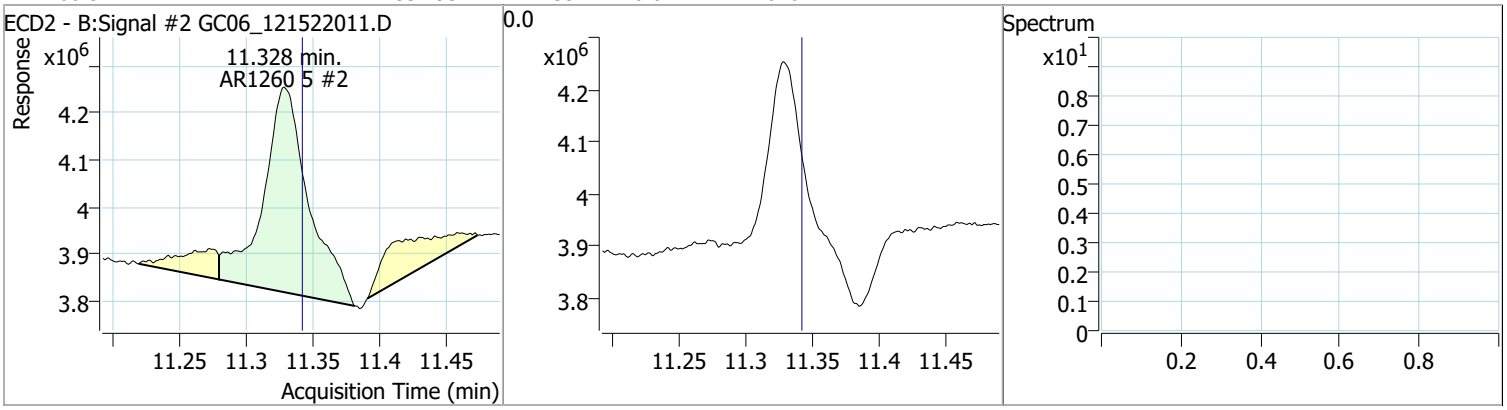
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	13.8331	10.85	0.04	226359				



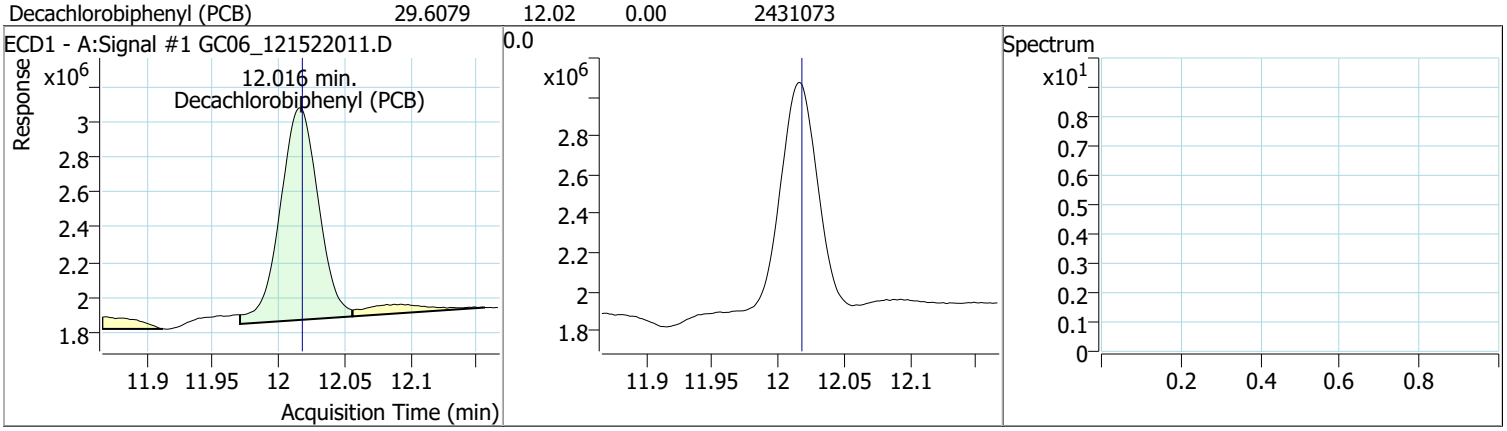
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.08	0.00	37136				



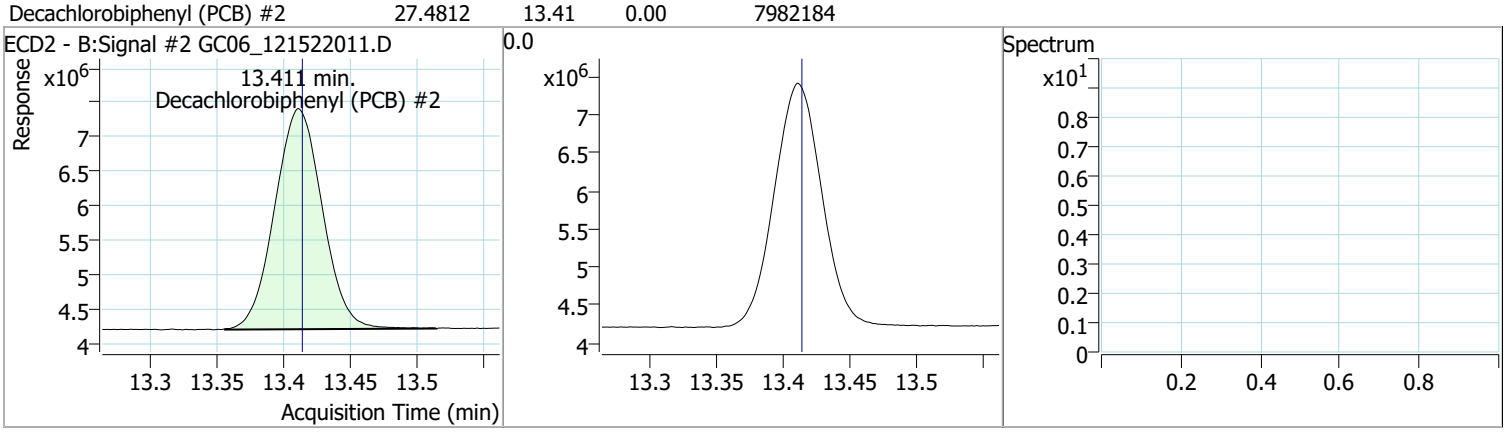
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	33.7931	11.33	-0.01	1046172				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	29.6079	12.02	0.00	2431073				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	27.4812	13.41	0.00	7982184				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474711-014	Client ID:	20221209-2C-07-DUP
Seqnum:	452501809021	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422021	Batch:	303181	Time:	14-DEC-2022 18:11
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	158.3	~~3.2~~ FP	1.8	53%	0.50		i- x b*
Aroclor-1016 Peak # 1	B	610.2	12.20	6.31	64%			
Aroclor-1016 Peak # 2	B	57.97	1.16	0.40	98%			
Aroclor-1016 Peak # 3	B	121.0	2.42	1.21	67%			
Aroclor-1016 Peak # 4	B	0.7619	0.02	0.02	30%			
Aroclor-1016 Peak # 5	B	1.735	0.03	1.29	190%			
Aroclor-1221	B		ND			0.50		
Aroclor-1232	B		ND			0.50		
Aroclor-1242	B		ND			0.50		
Aroclor-1248	B		ND			0.50		
Aroclor-1254	B		ND			0.50		
Aroclor-1260	B	51.74	~~1.0~~ FP	1.1	10%	0.50		i- x b*
Aroclor-1260 Peak # 1	B	89.26	1.79	2.14	18%			
Aroclor-1260 Peak # 2	B	100.0	2.00	0.01	199%			
Aroclor-1260 Peak # 3	B	9.368	0.19	0.72	117%			
Aroclor-1260 Peak # 4	B	-21.19	ND	2.05	304%			
Aroclor-1260 Peak # 5	B	81.22	1.62	0.78	71%			
Aroclor-1262	B		ND			0.50		
Aroclor-1268	B		ND			0.50		

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	43.02	0.5000	0.8604	**172***	52-121	i- b*
Decachlorobiphenyl (PCB)	B	46.28	0.5000	0.9256	**185***	50-121	i- b*

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5307613	2333715	**-56.03 ***
1-bromo-2-nitrobenzene (PCB)	A	1103956	485983	**-55.98 ***

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

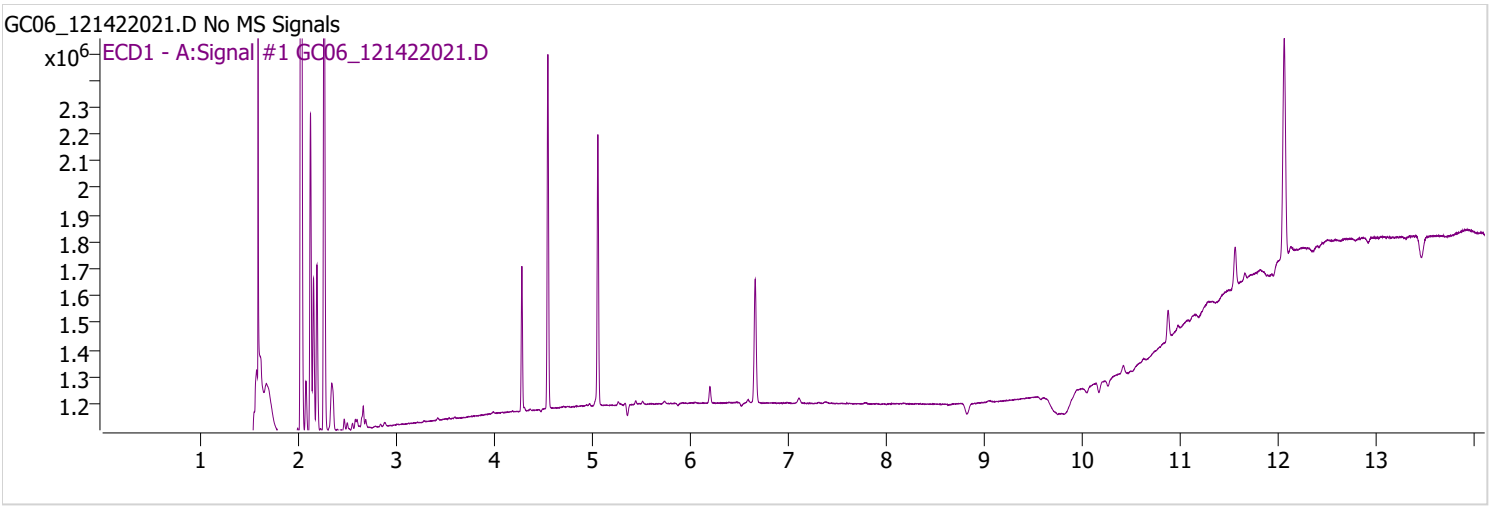
ISTD (CCV gc06_121422004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.28	-0.01

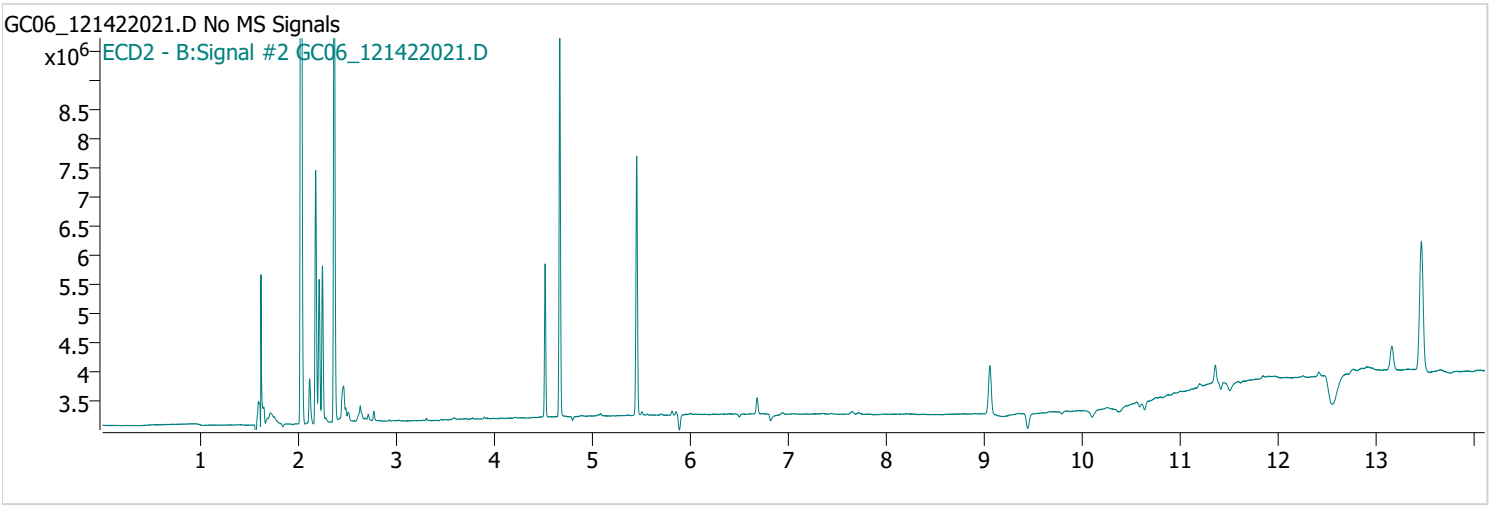
TRN 12/15/22 : Rerun

-=low bias b=noncompliant i=ISTD failure x=false positive

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422021.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 6:11:19 PM
Sample Name	474711-014, 303181, 1	Instrument	SVOA-GC06
Vial	10	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



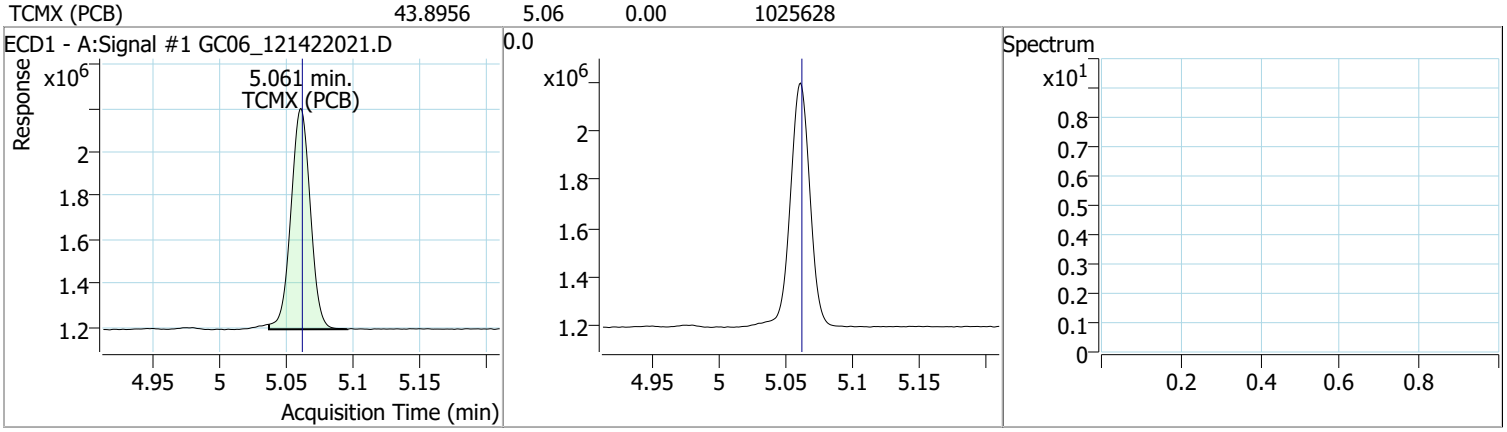


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	485982.624	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	2333714.698	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.061	0.0	1025627.872	43.8956	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 219.48%		*	
S TCMX (PCB) #2	5.458	0.0	4821780.886	43.0226	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 215.11%		*	
S Decachlorobiphenyl (PCB)	12.073	0.0	1668855.854	52.3358	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 261.68%		*	
S Decachlorobiphenyl (PCB) #2	13.473	0.0	5744449.414	46.2808	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 231.40%		*	
Target Compounds							QValue
T AR1016 1	5.446	0.0	160815.314	315.6225	ng/ml		100

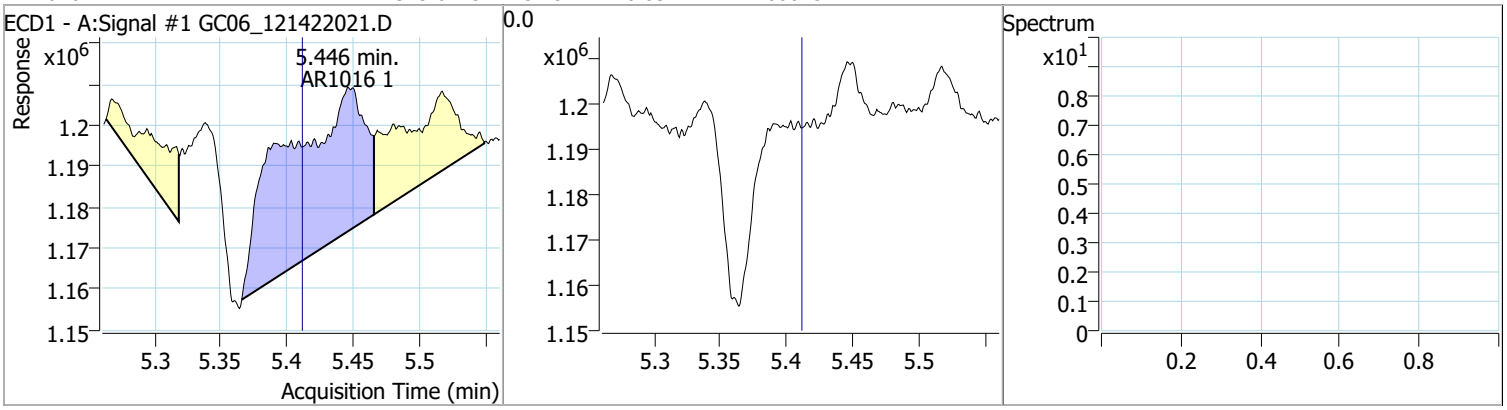
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.743	0.0	35813.933	19.9612	ng/ml	100
T AR1016 1 #2	6.007	0.0	1480048.261	610.2083	ng/ml	100
T AR1016 3	6.205	0.0	78058.615	60.4246	ng/ml	100
T AR1016 4	6.355	0.0	1009.446	1.0274	ng/ml	100
T AR1016 2 #2	6.405	0.0	202978.794	57.9725	ng/ml	100
T AR1016 5	6.598	0.0	51005.035	64.4510	ng/ml	100
T AR1016 3 #2	6.946	0.0	769566.026	120.9653	ng/ml	100
T AR1016 4 #2	7.156	0.0	3460.502	0.7619	ng/ml	100
T AR1016 5 #2	7.288	0.0	6405.885	1.7352	ng/ml	100
T AR1260 1	8.783	0.0	176105.968	107.1780	ng/ml	100
T AR1260 2	9.265	0.0	682.784	0.2726	ng/ml	100
T AR1260 3	9.620	0.0	94314.518	36.0303	ng/ml	100
T AR1260 1 #2	10.015	0.0	619901.958	89.2574	ng/ml	100
T AR1260 4	10.152	0.0	163080.577	102.5139	ng/ml	100
T AR1260 2 #2	10.267	0.0	834829.250	100.0430	ng/ml	100
T AR1260 3 #2	10.622	0.0	98951.747	9.3682	ng/ml	100
T AR1260 5	10.887	0.0	165847.401	38.8120	ng/ml	100
T AR1260 4 #2	11.130	0.0	14285.150	0.0000	ng/ml	100
T AR1260 5 #2	11.368	0.0	876799.505	81.2287	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

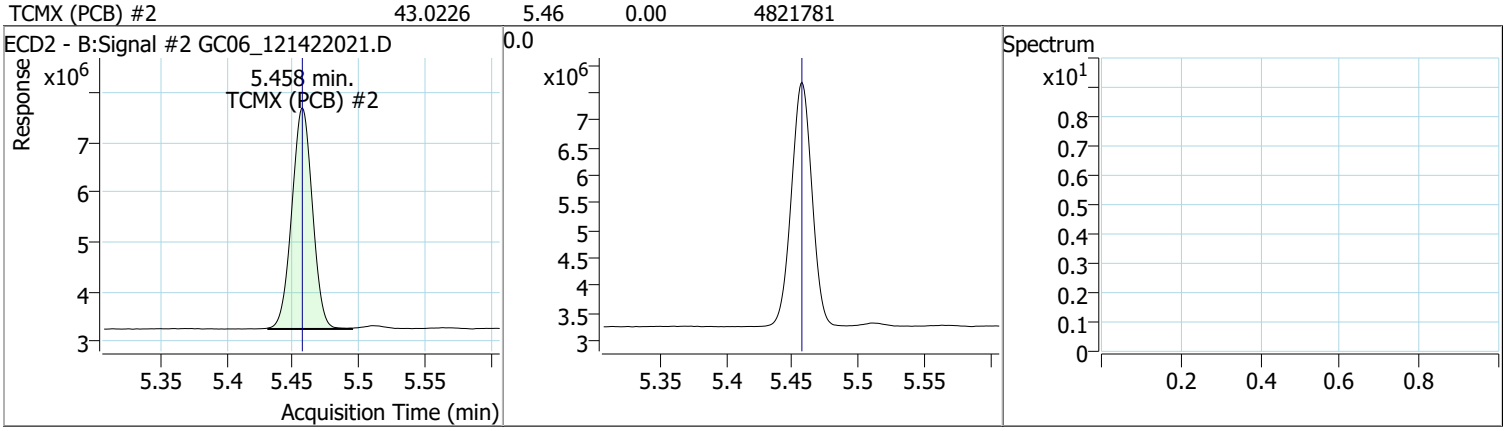
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	43.8956	5.06	0.00	1025628				



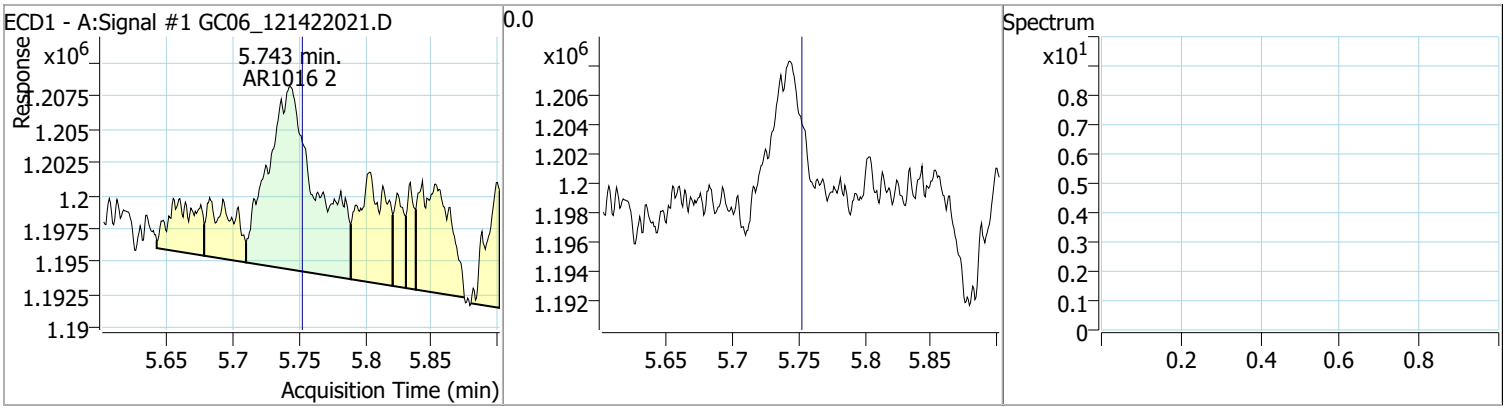
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	315.6225	5.45	0.03	160815				



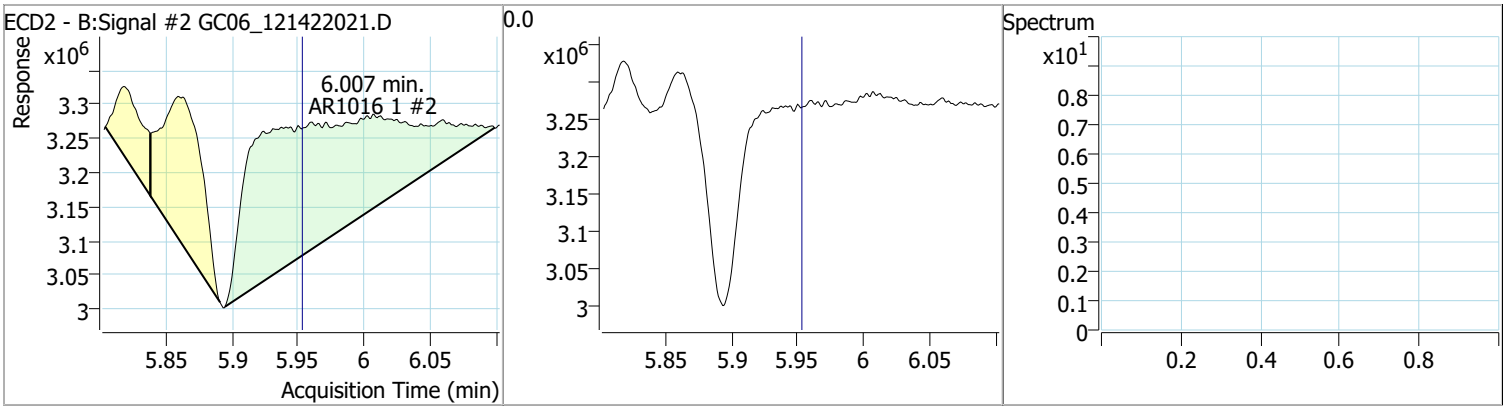
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	43.0226	5.46	0.00	4821781				



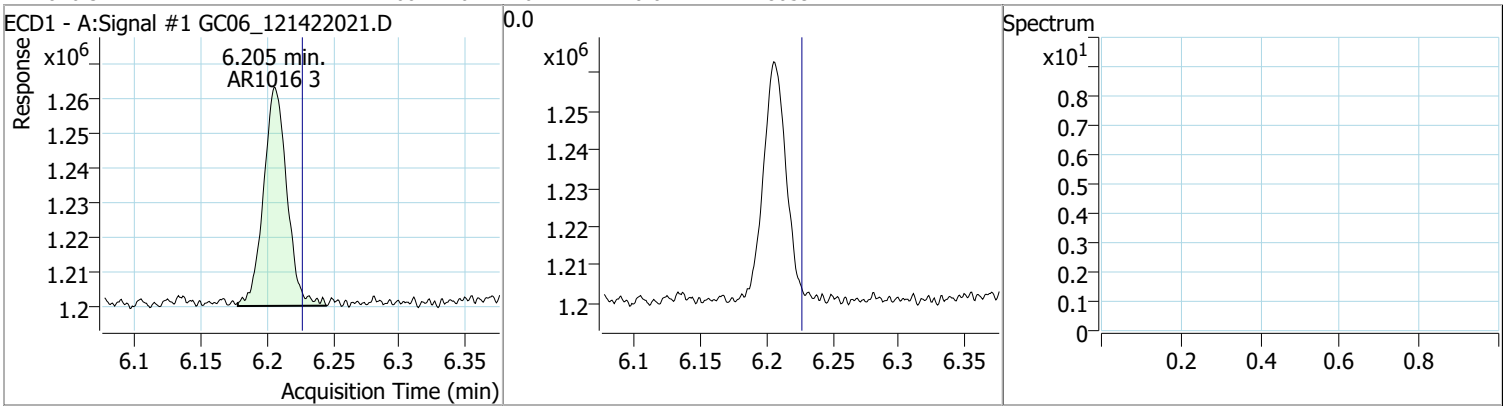
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	19.9612	5.74	-0.01	35814				



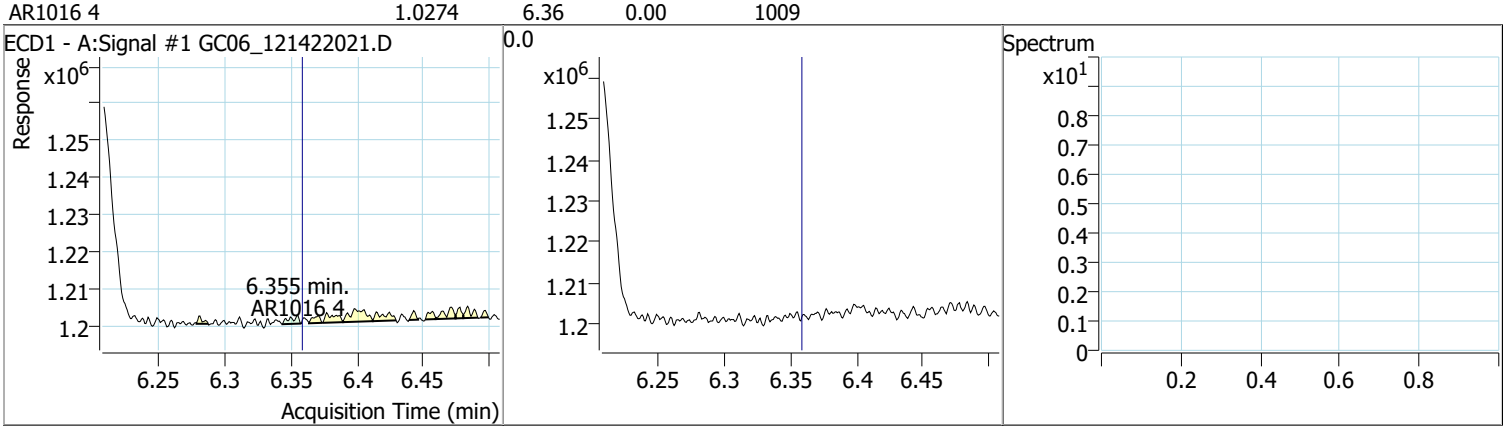
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	610.2083	6.01	0.05	1480048				



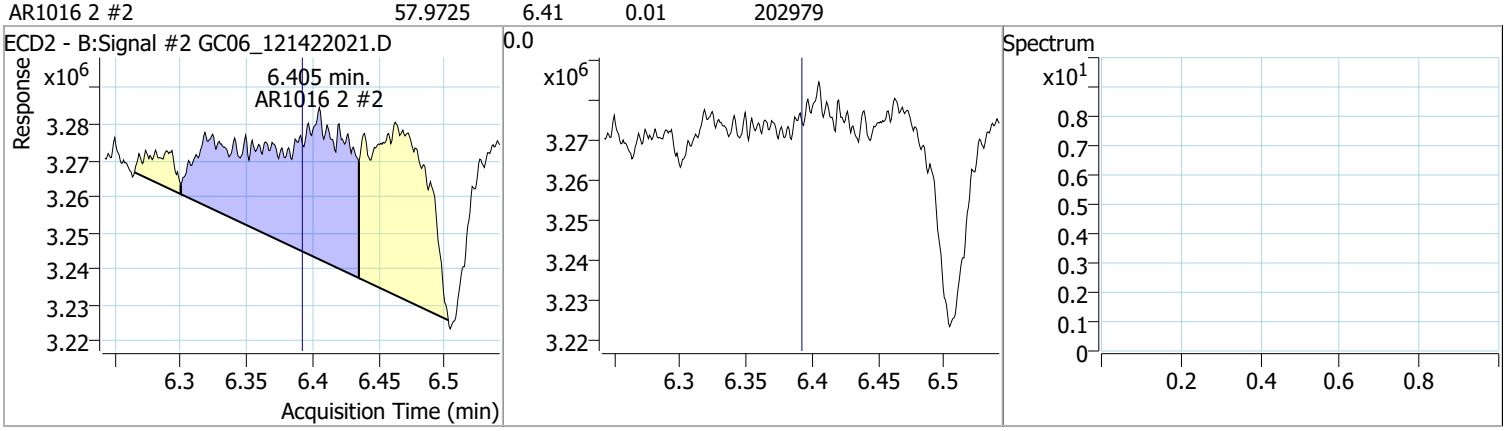
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	60.4246	6.21	-0.02	78059				



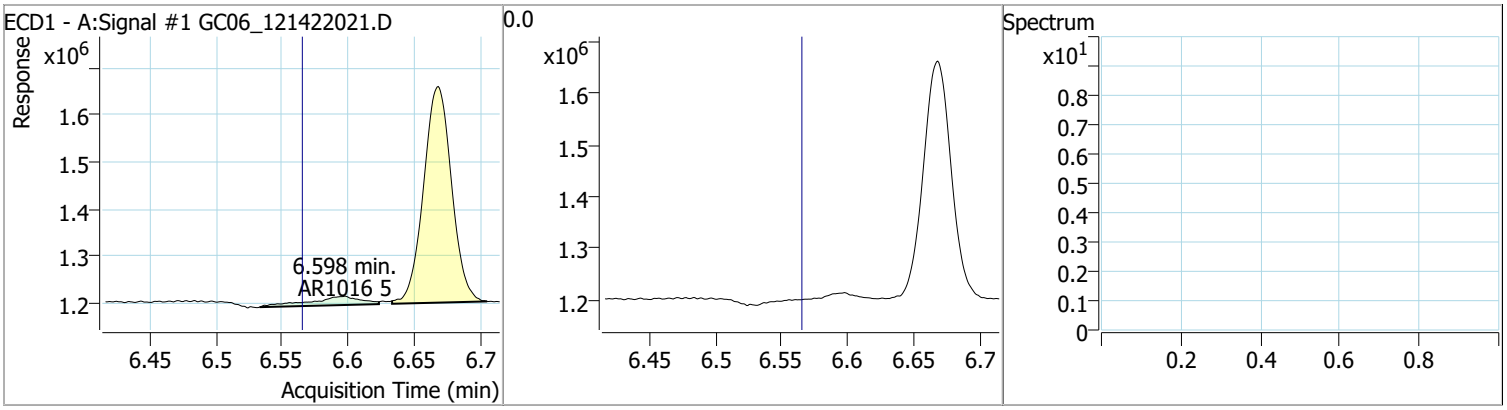
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1.0274	6.36	0.00	1009				



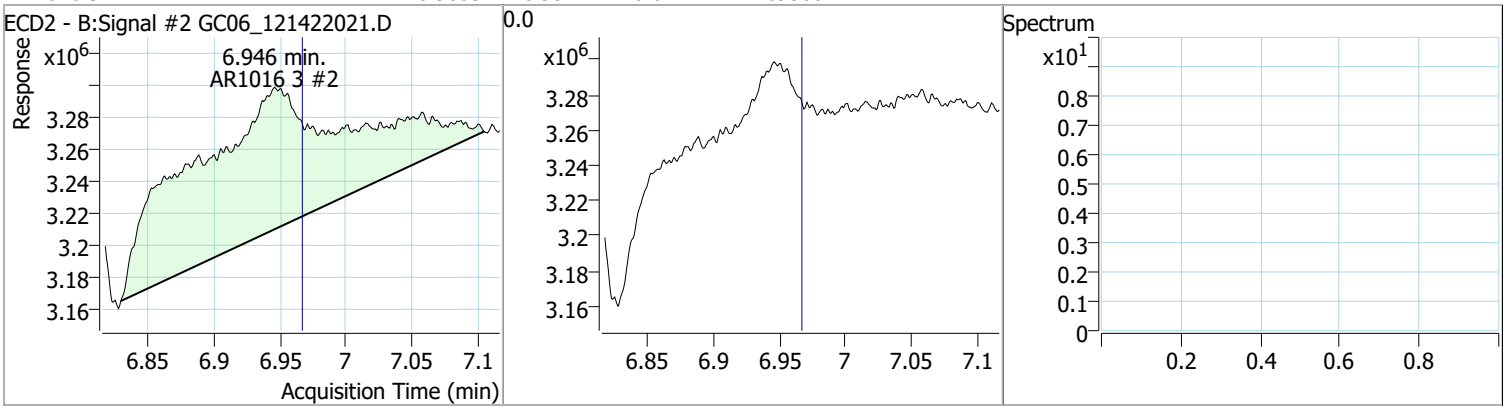
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	57.9725	6.41	0.01	202979				



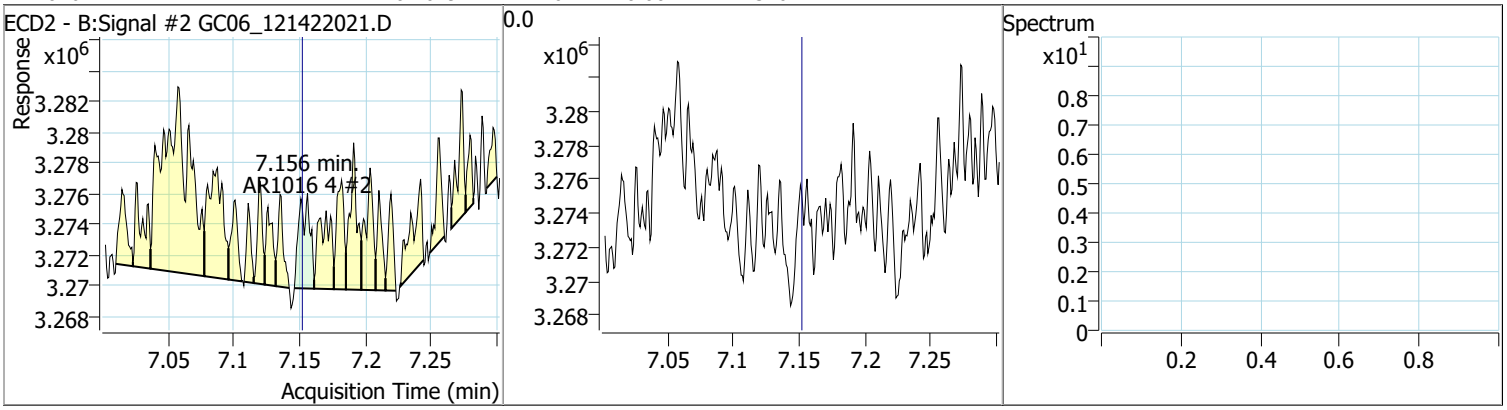
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	64.4510	6.60	0.03	51005				



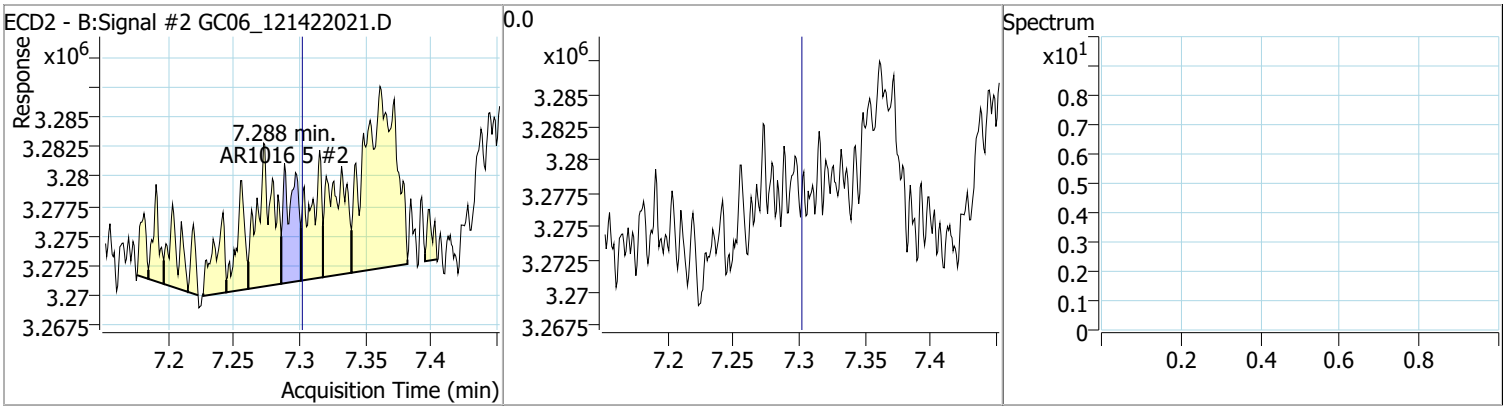
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	120.9653	6.95	-0.02	769566				



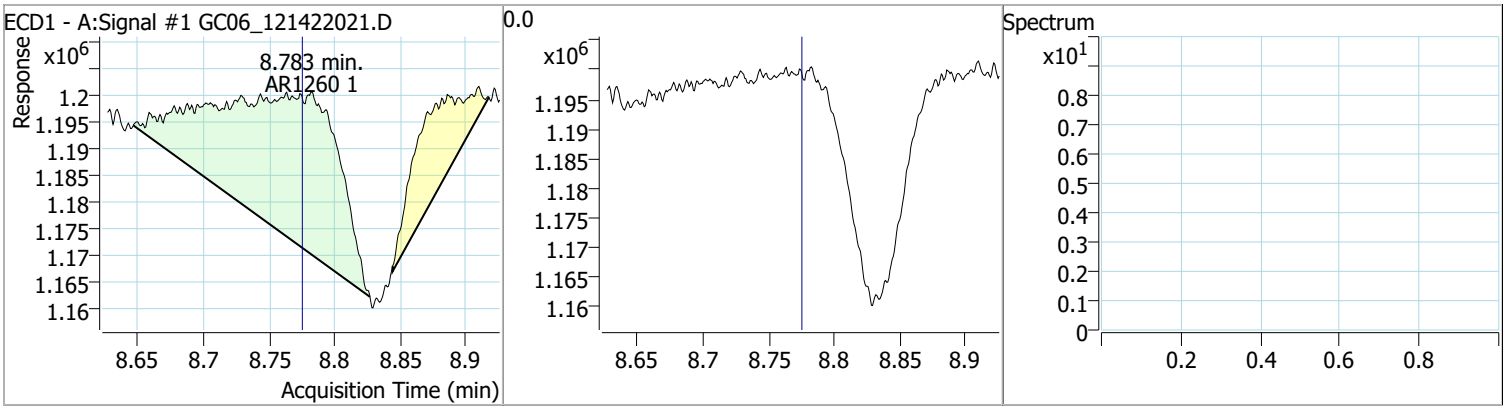
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.7619	7.16	0.00	3461				



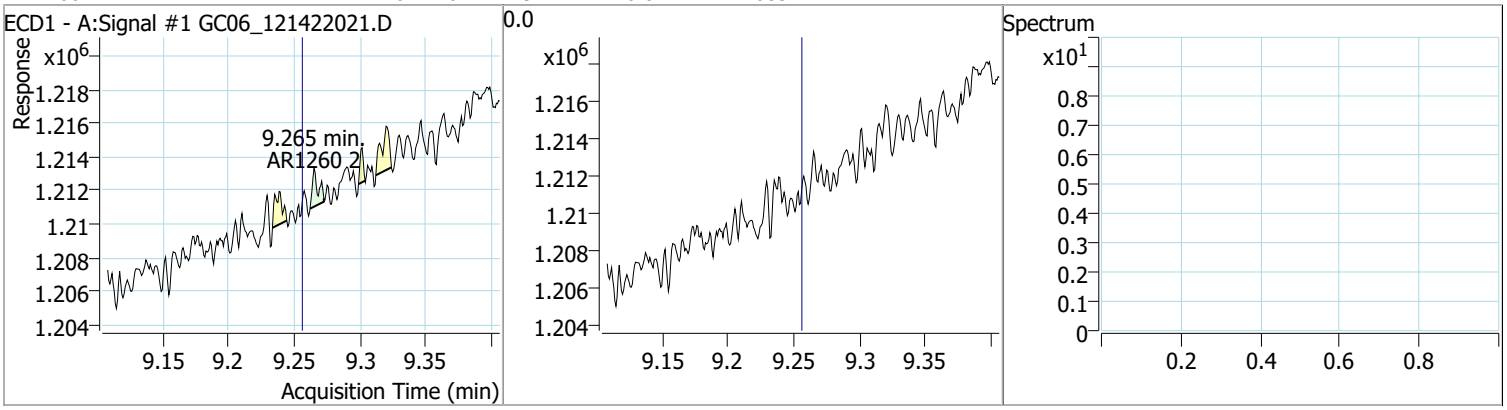
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.7352	7.29	-0.01	6406				



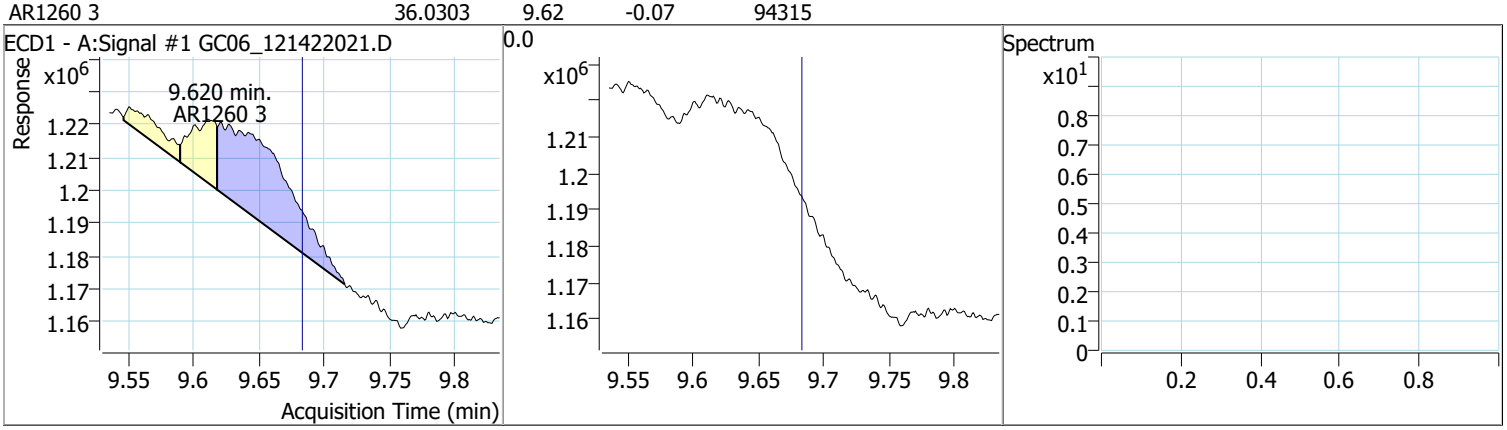
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	107.1780	8.78	0.00	176106				



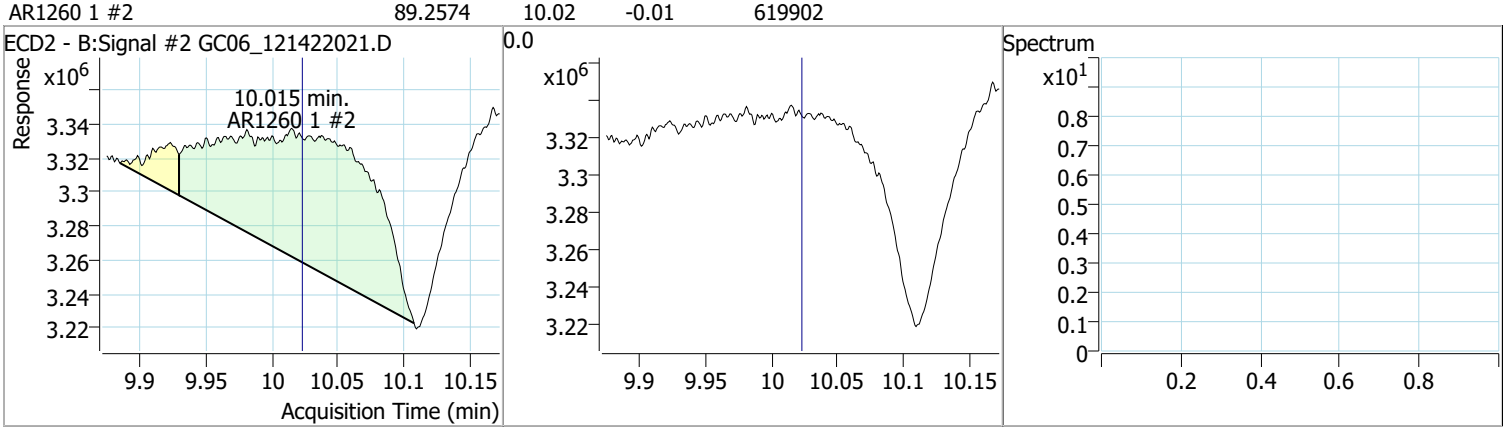
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.2726	9.27	0.01	683				



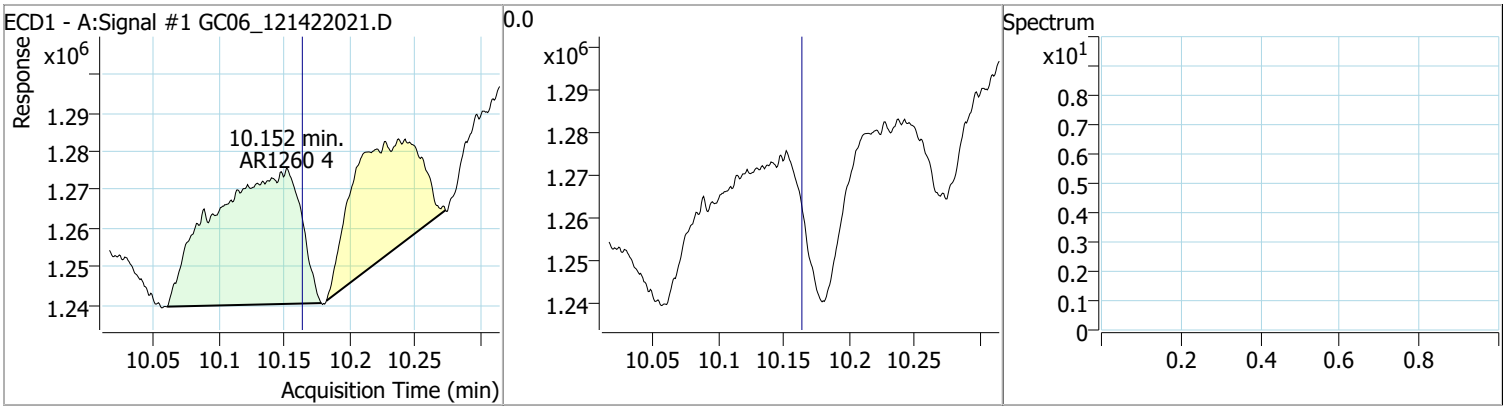
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	36.0303	9.62	-0.07	94315				



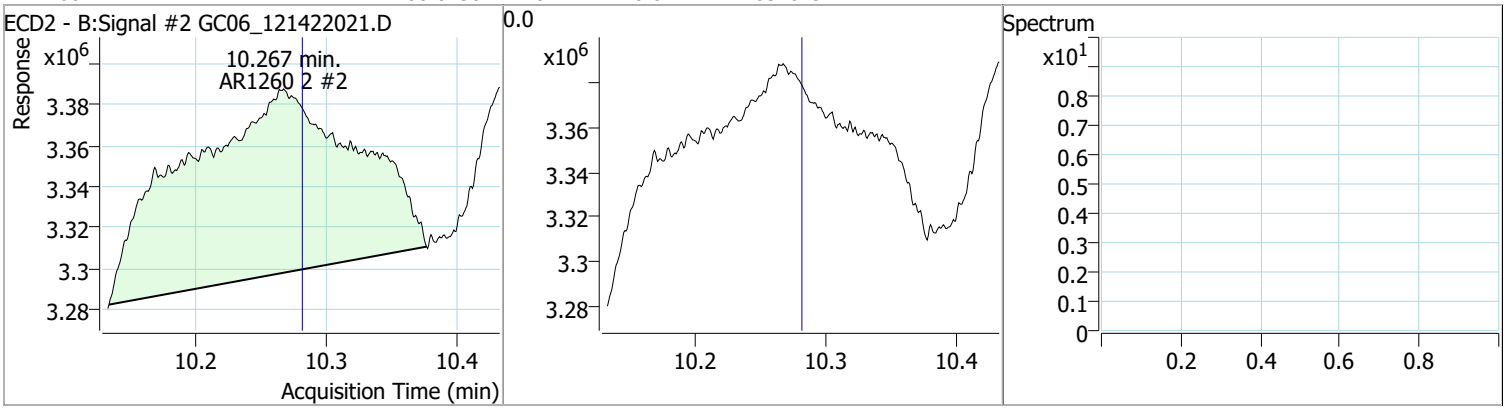
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	89.2574	10.02	-0.01	619902				



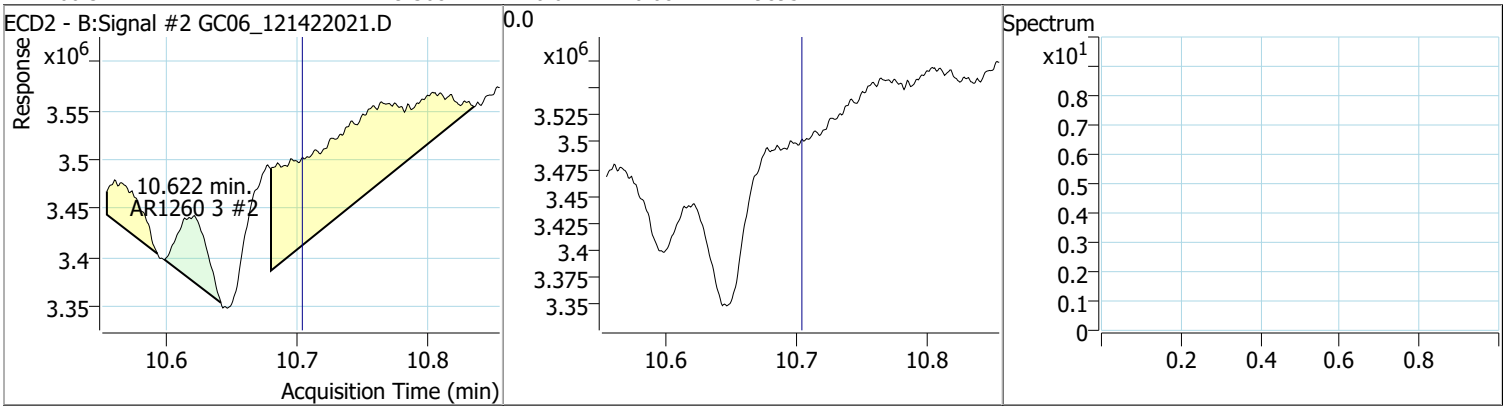
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	102.5139	10.15	-0.02	163081				



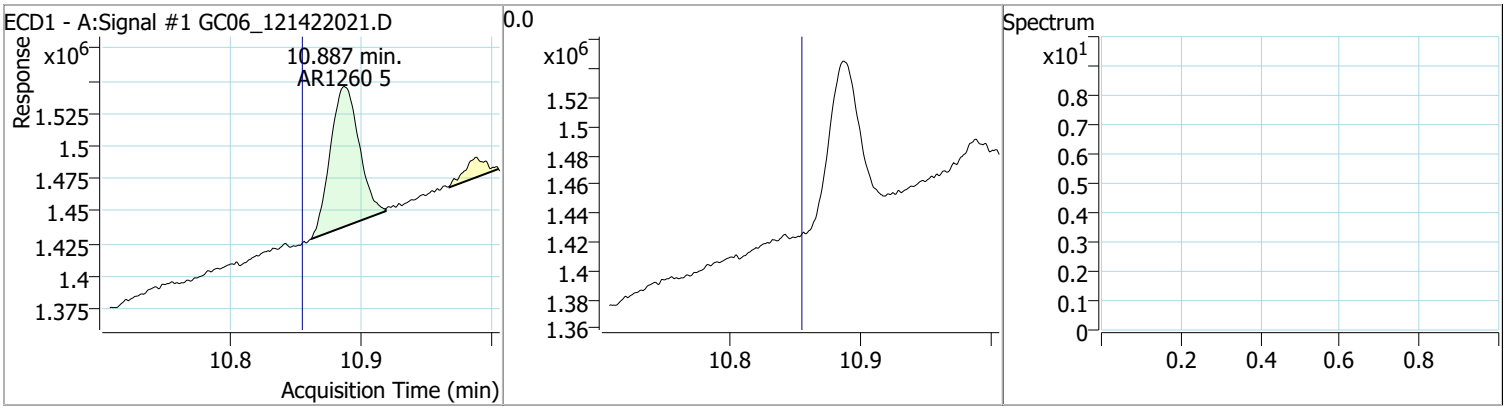
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	100.0430	10.27	-0.02	834829				



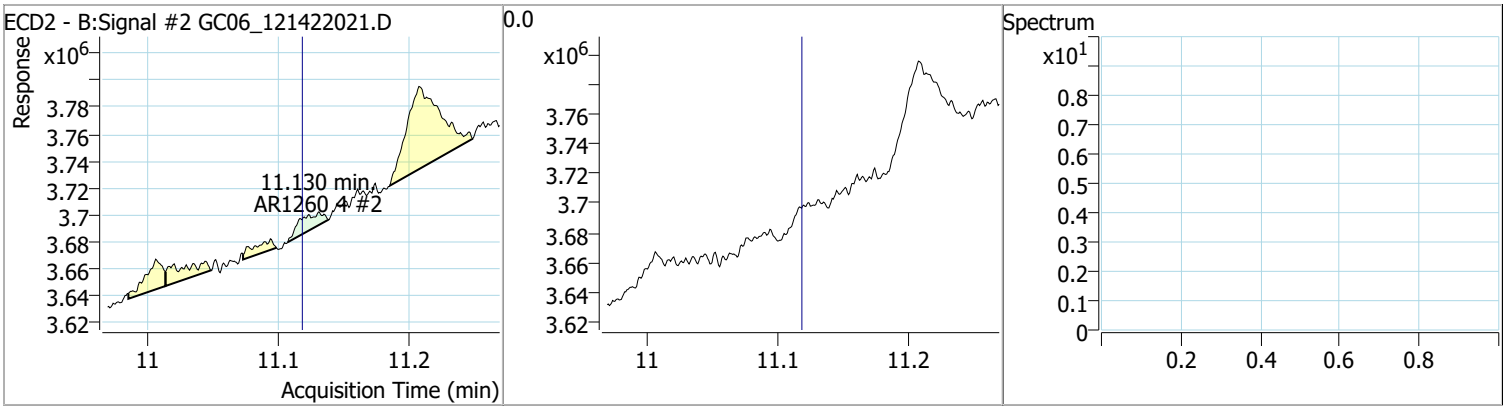
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	9.3682	10.62	-0.08	98952				



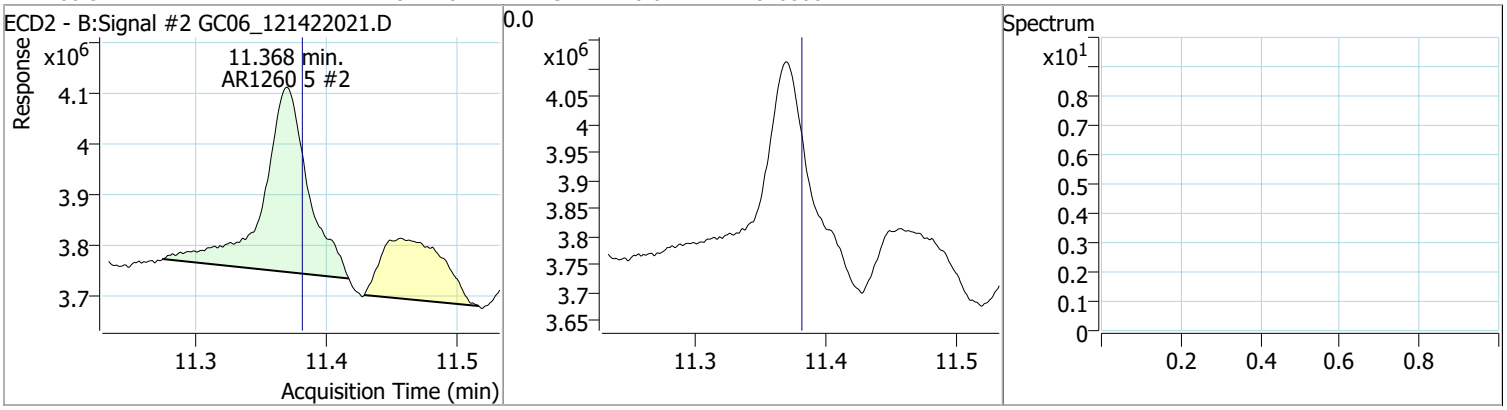
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	38.8120	10.89	0.03	165847				



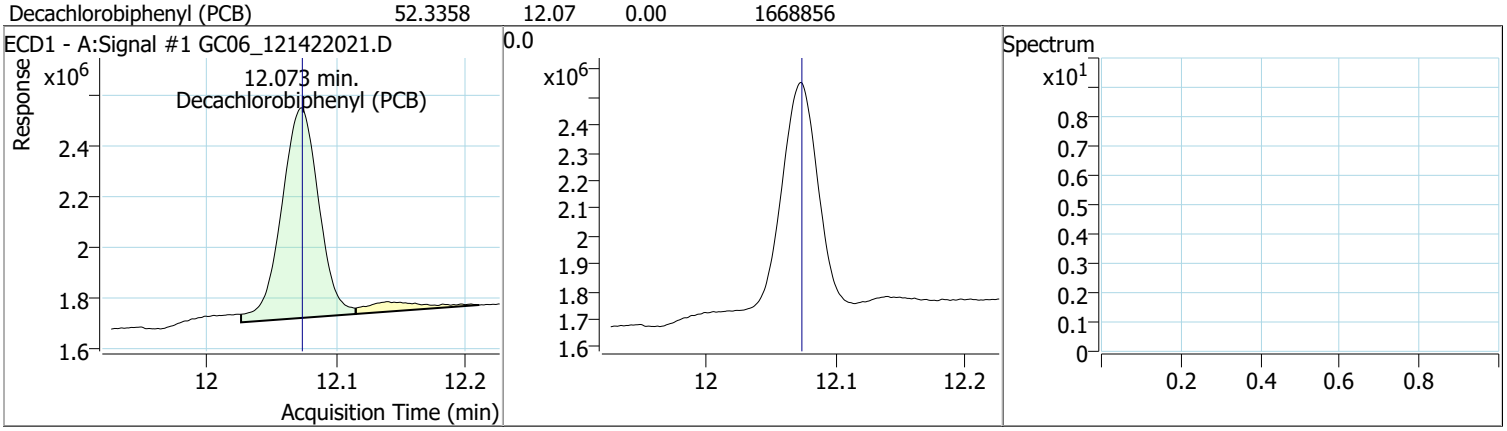
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.13	0.01	14285				



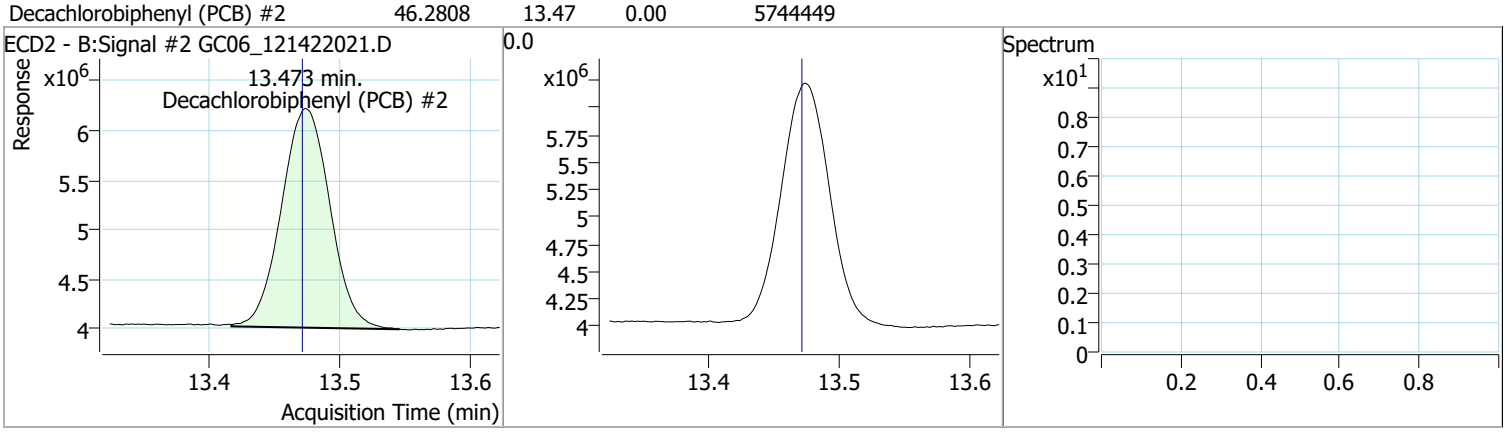
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	81.2287	11.37	-0.01	876800				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	52.3358	12.07	0.00	1668856				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	46.2808	13.47	0.00	5744449				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474711-015	Client ID:	20221209-2C-08
Seqnum:	452501809051	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422051	Batch:	303182	Time:	15-DEC-2022 03:21
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	127.3	~~1.3~~ ~~FP~~	2.2	53%	0.50		x u
Aroclor-1016 Peak # 1	B	321.5	3.21	2.17	39%			
Aroclor-1016 Peak # 2	B	138.4	1.38	ND	208%			
Aroclor-1016 Peak # 3	B	149.9	1.50	0.70	73%			
Aroclor-1016 Peak # 4	B	2.017	0.02	2.47	197%			
Aroclor-1016 Peak # 5	B	24.71	0.25	5.62	183%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	42.51	ND	0.45	6%	0.50		u
Aroclor-1260 Peak # 1	B	78.66	0.79	1.03	27%			
Aroclor-1260 Peak # 2	B	85.55	0.86	0.00	199%			
Aroclor-1260 Peak # 3	B	8.938	0.09	0.21	81%			
Aroclor-1260 Peak # 4	B	-15.85	ND	0.87	289%			
Aroclor-1260 Peak # 5	B	55.24	0.55	0.15	115%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	33.46	0.5000	0.3346	67	19-121	u
Decachlorobiphenyl (PCB)	B	26.87	0.5000	0.2687	54	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422036)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5560467	5681632	2.18
1-bromo-2-nitrobenzene (PCB)	A	1170615	1227329	4.84

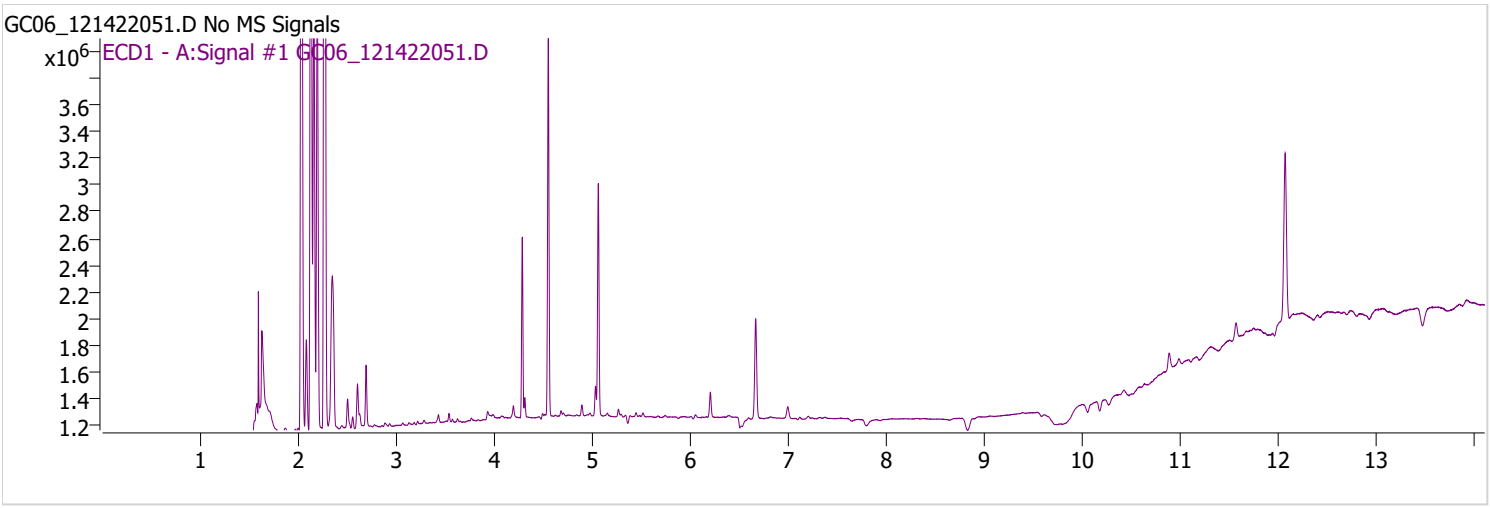
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

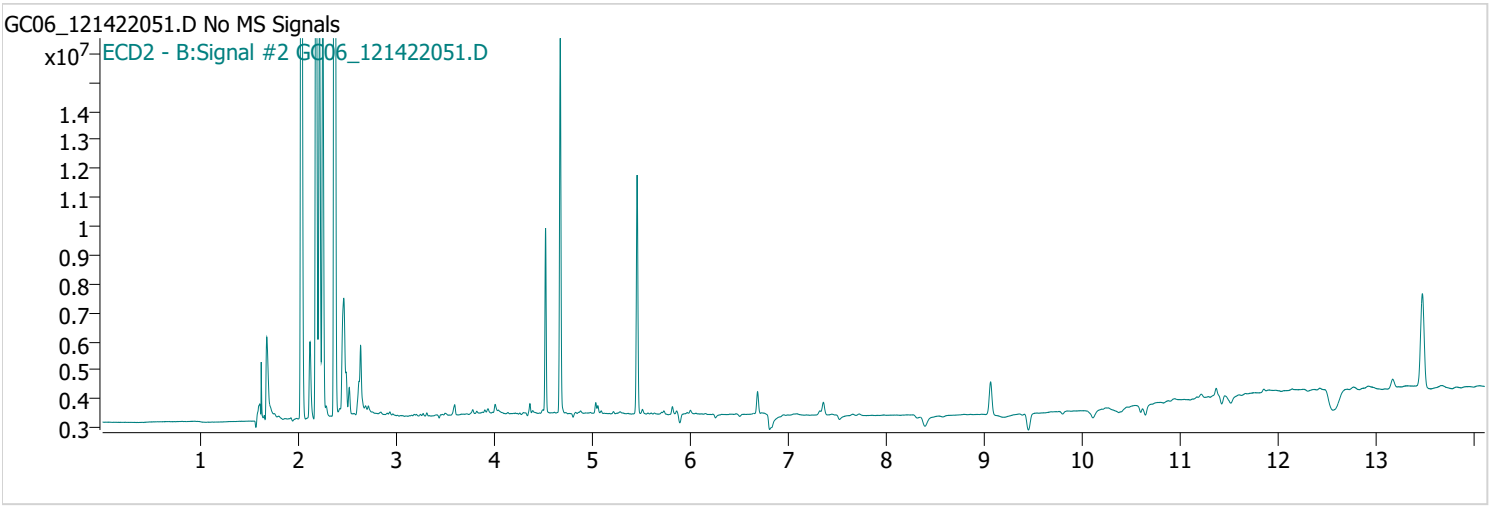
ISTD (CCV gc06_121422036)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

Analyst: MES 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422051.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 3:21:24 AM
Sample Name	474711-015, 303182, 1	Instrument	SVOA-GC06
Vial	34	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



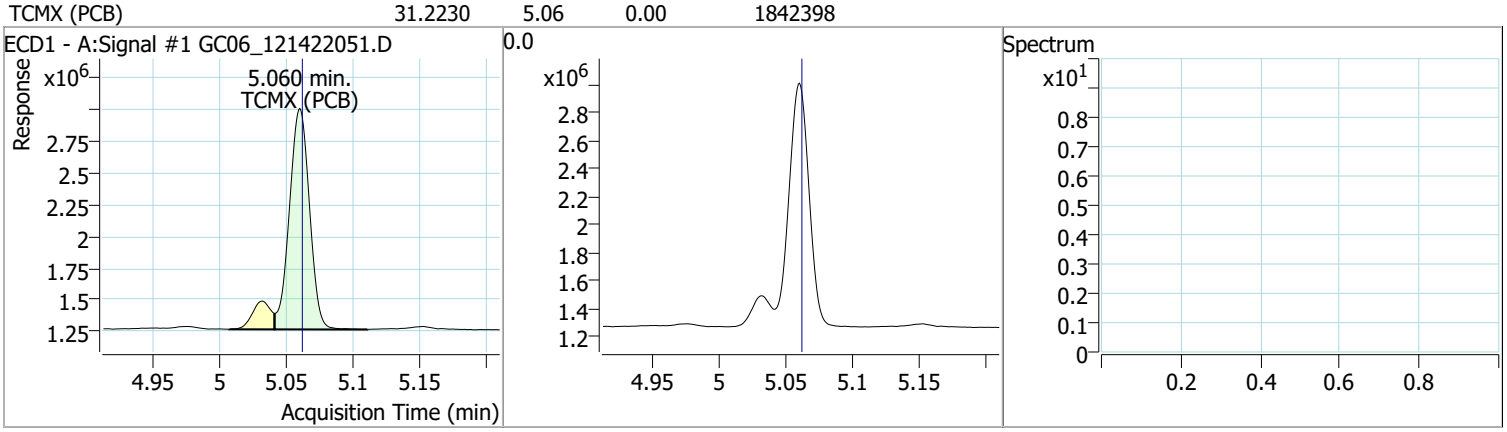


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	1227329.371	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	5681632.423	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.060	0.0	1842397.942	31.2230	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 156.11%		*	
S TCMX (PCB) #2	5.456	0.0	9130713.637	33.4633	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 167.32%		*	
S Decachlorobiphenyl (PCB)	12.071	0.0	2593047.850	30.5366	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 152.68%		*	
S Decachlorobiphenyl (PCB) #2	13.472	0.0	8376750.225	26.8731	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 134.37%			
Target Compounds							QValue

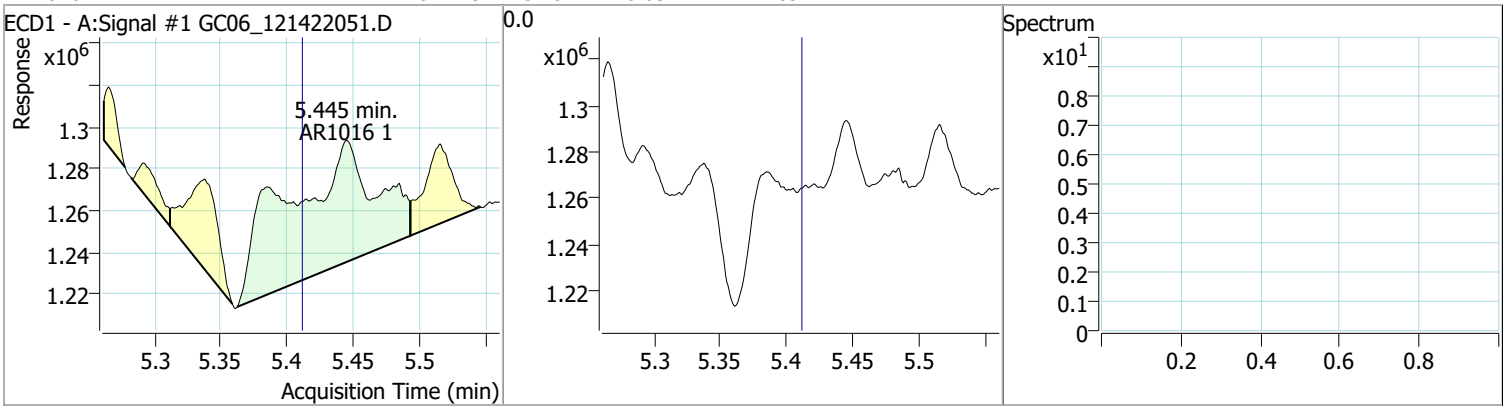
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.445	0.0	278941.846	216.7773	ng/ml	100
T AR1016 2	5.741	0.0	32498.893	0.0000	ng/ml	100
T AR1016 1 #2	6.000	0.0	1898255.130	321.4633	ng/ml	100
T AR1016 3	6.203	0.0	227311.848	69.6747	ng/ml	100
T AR1016 4	6.395	0.0	612452.997	246.8262	ng/ml	100
T AR1016 2 #2	6.468	0.0	1179853.252	138.4122	ng/ml	100
T AR1016 5	6.667	0.0	1124210.280	562.5020	ng/ml	100
T AR1016 3 #2	7.091	0.0	2321352.091	149.8755	ng/ml	100
T AR1016 4 #2	7.188	0.0	22297.723	2.0165	ng/ml	100
T AR1016 5 #2	7.323	0.0	222105.129	24.7114	ng/ml	100
T AR1260 1	8.743	0.0	428398.365	103.2378	ng/ml	100
T AR1260 2	9.221	0.0	1800.033	0.2846	ng/ml	100
T AR1260 3	9.618	0.0	140270.620	21.2185	ng/ml	100
T AR1260 1 #2	9.988	0.0	1330101.762	78.6648	ng/ml	100
T AR1260 4	10.146	0.0	357758.049	87.0211	ng/ml	100
T AR1260 2 #2	10.244	0.0	1738150.347	85.5561	ng/ml	100
T AR1260 3 #2	10.617	0.0	229847.085	8.9381	ng/ml	100
T AR1260 5	10.887	0.0	242795.462	14.8912	ng/ml	100
T AR1260 4 #2	11.172	0.0	110084.976	0.0000	ng/ml	100
T AR1260 5 #2	11.367	0.0	1579474.611	55.2505	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

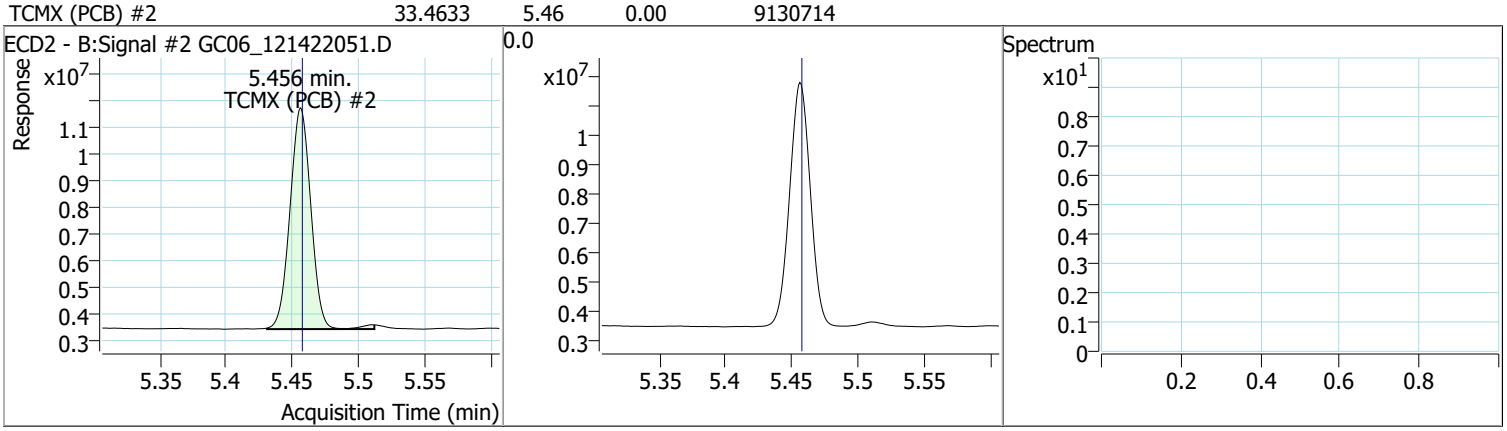
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.2230	5.06	0.00	1842398				



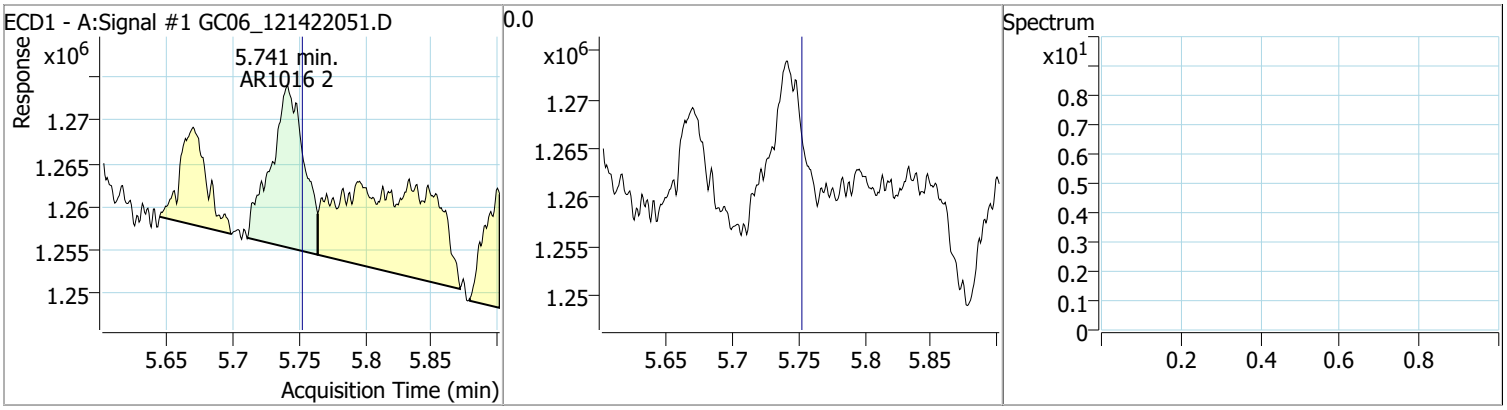
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	216.7773	5.45	0.03	278942				



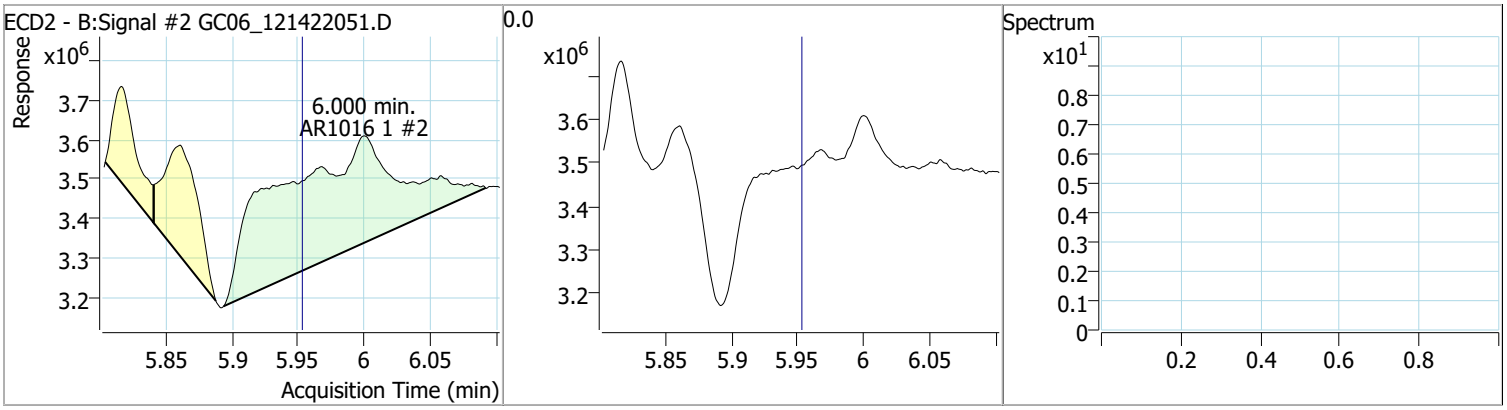
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	33.4633	5.46	0.00	9130714				



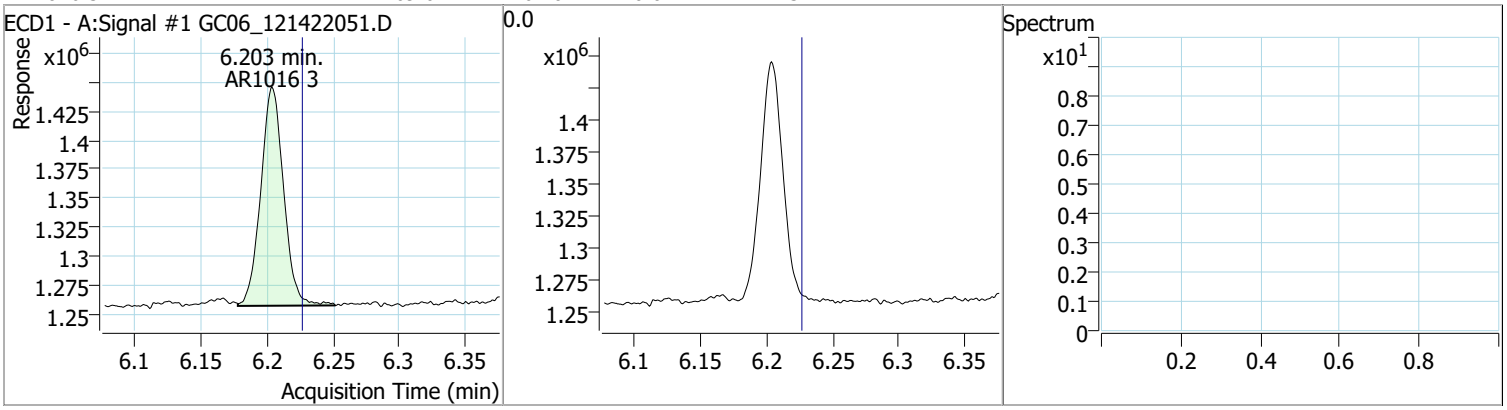
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.74	-0.01	32499				



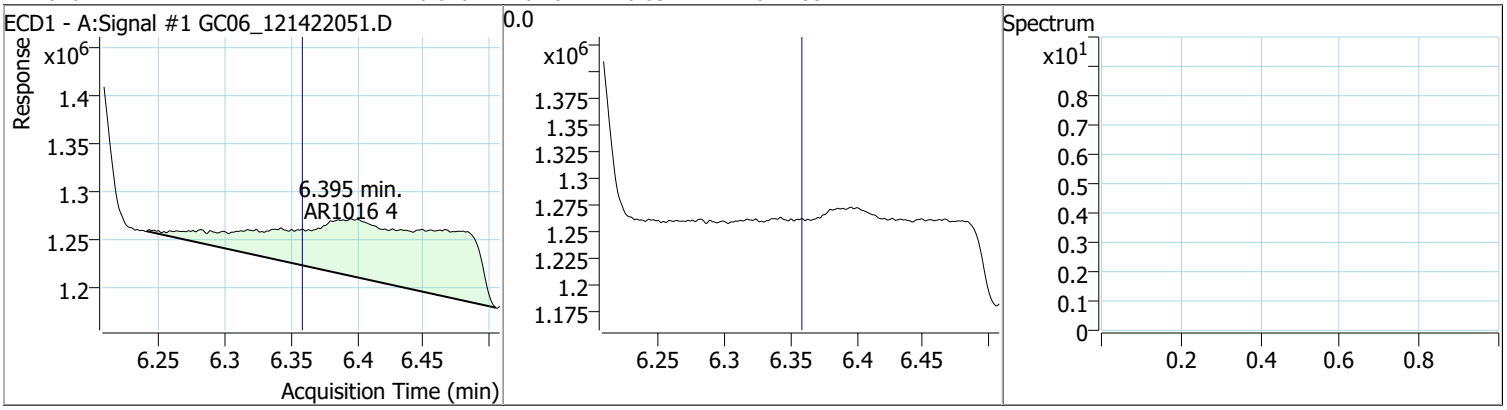
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	321.4633	6.00	0.05	1898255				



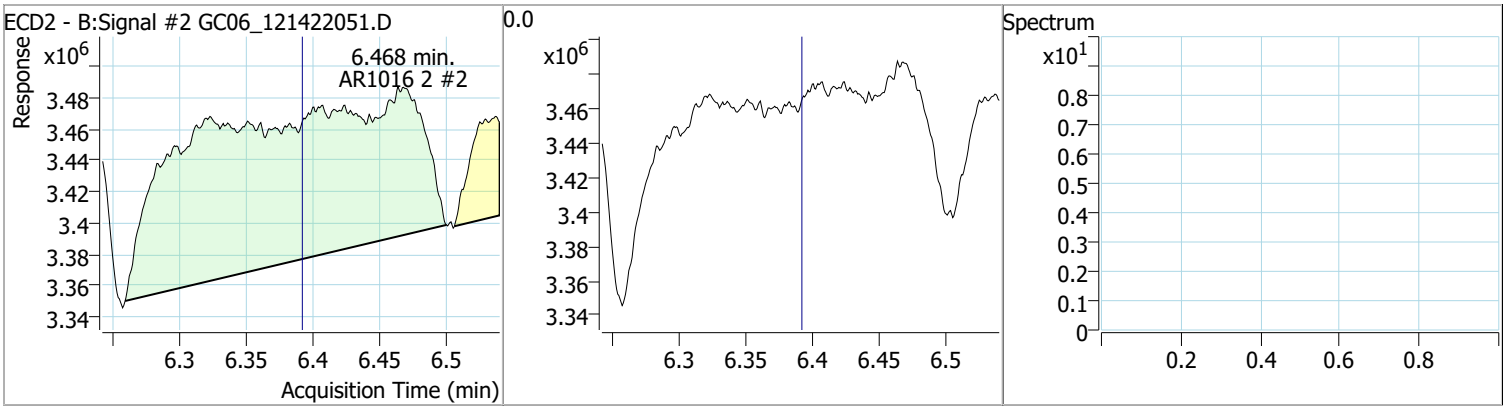
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	69.6747	6.20	-0.02	227312				



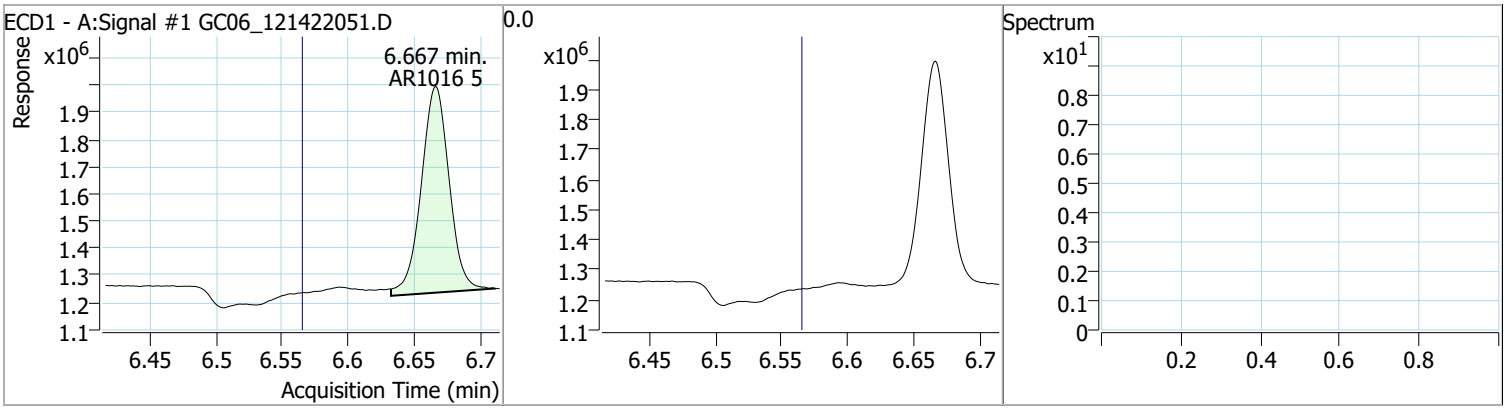
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	246.8262	6.40	0.03	612453				



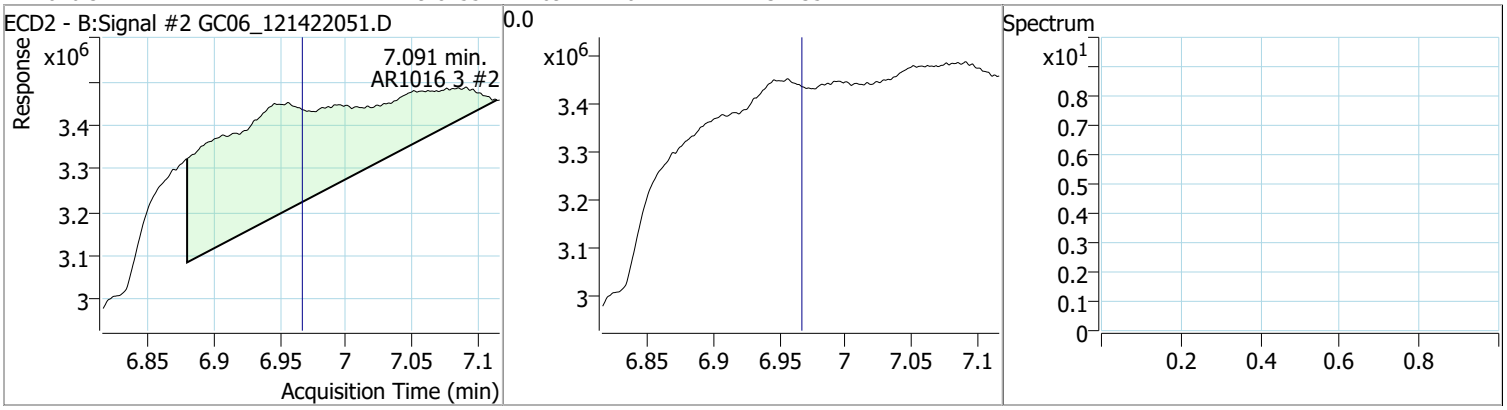
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	138.4122	6.47	0.08	1179853				



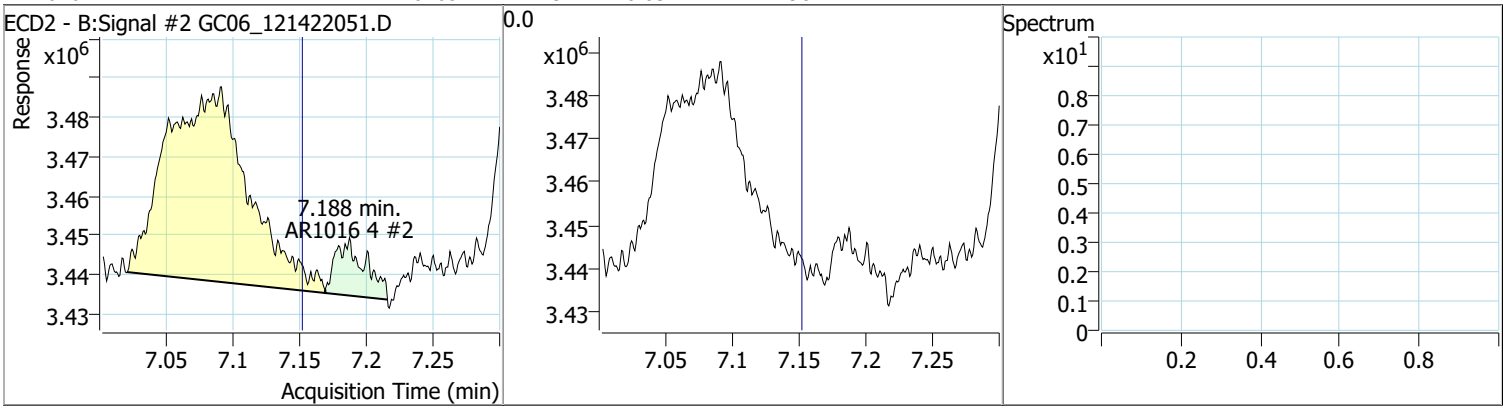
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	562.5020	6.67	0.10	1124210				



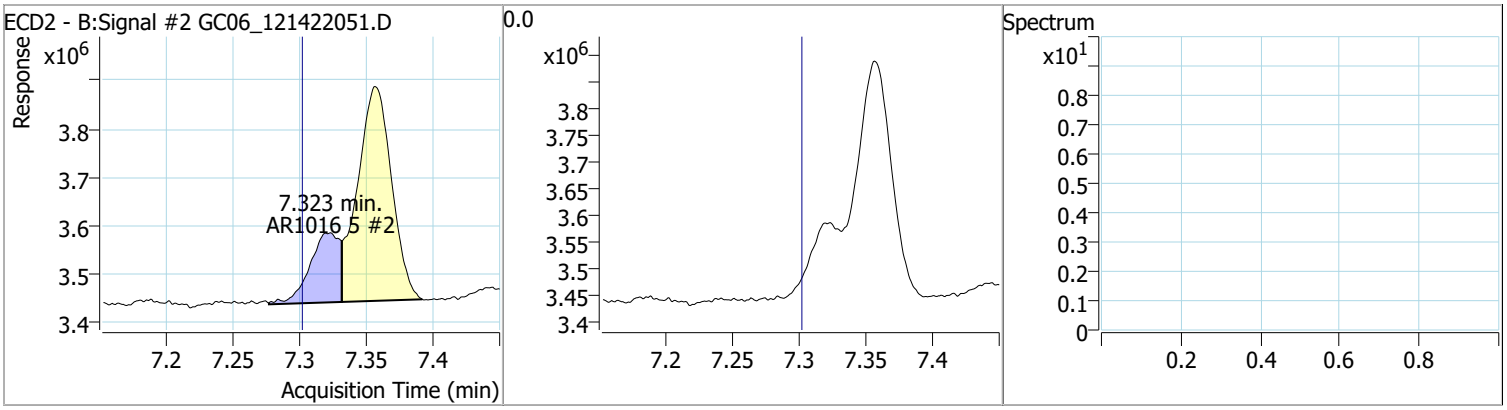
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	149.8755	7.09	0.12	2321352				



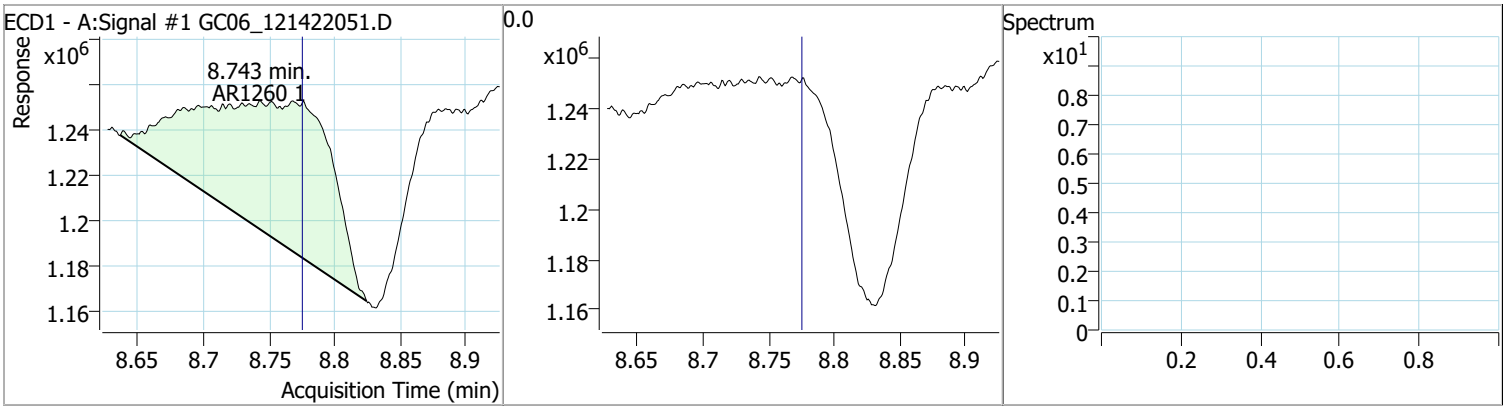
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	2.0165	7.19	0.03	22298				



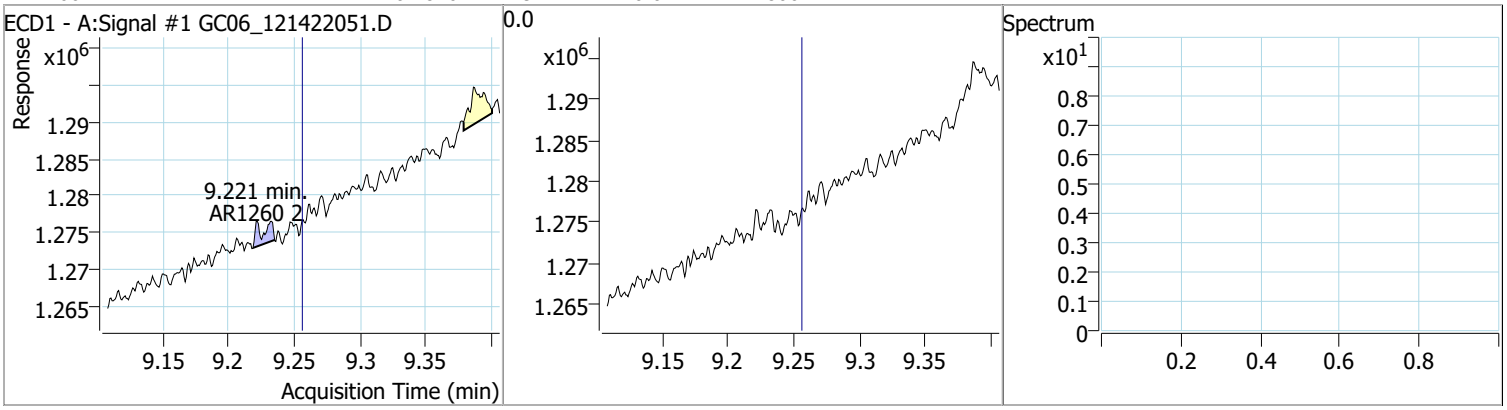
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	24.7114	7.32	0.02	222105				



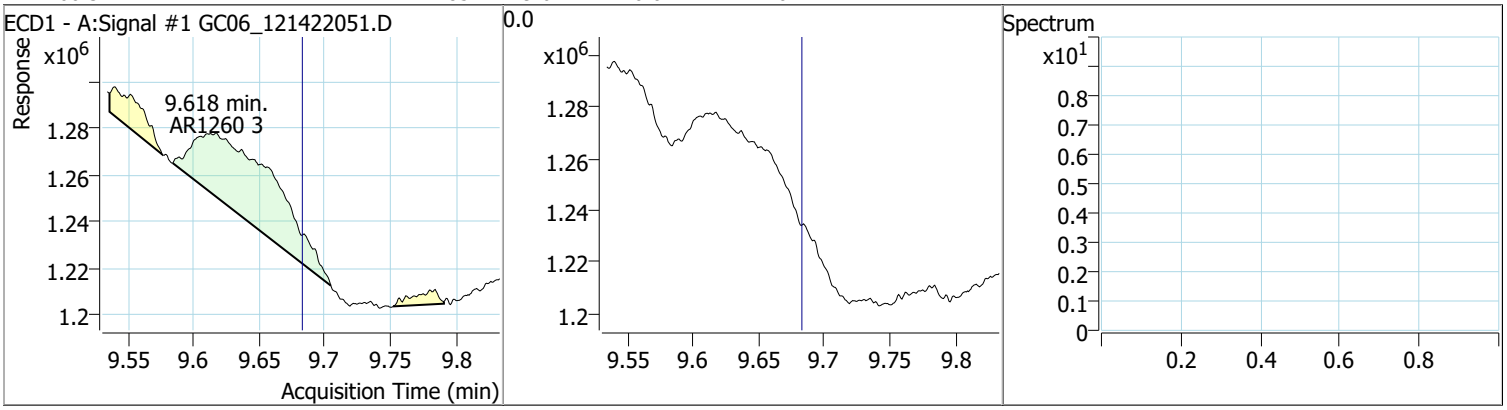
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	103.2378	8.74	-0.04	428398				



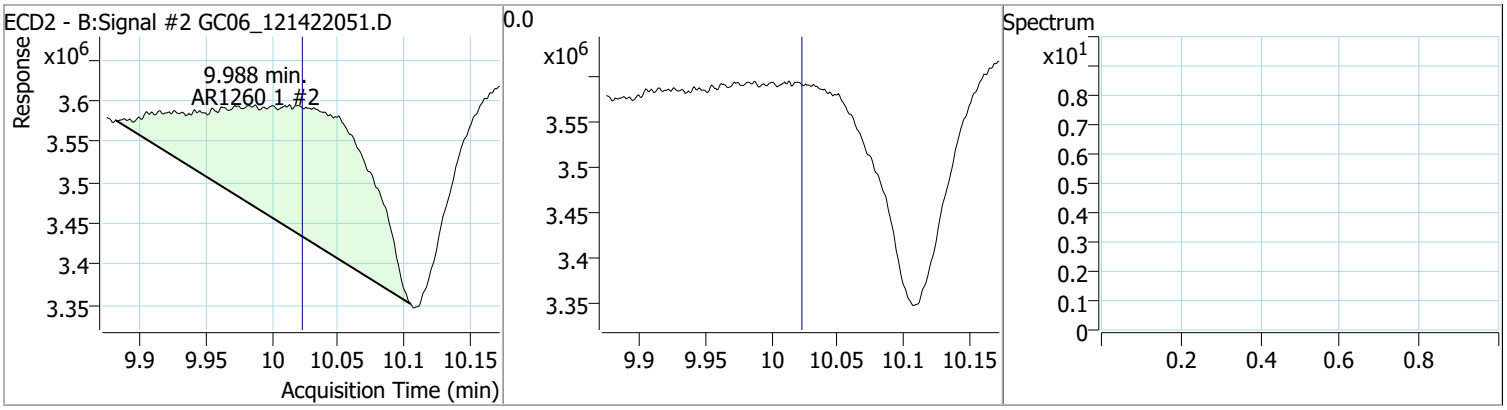
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.2846	9.22	-0.04	1800				



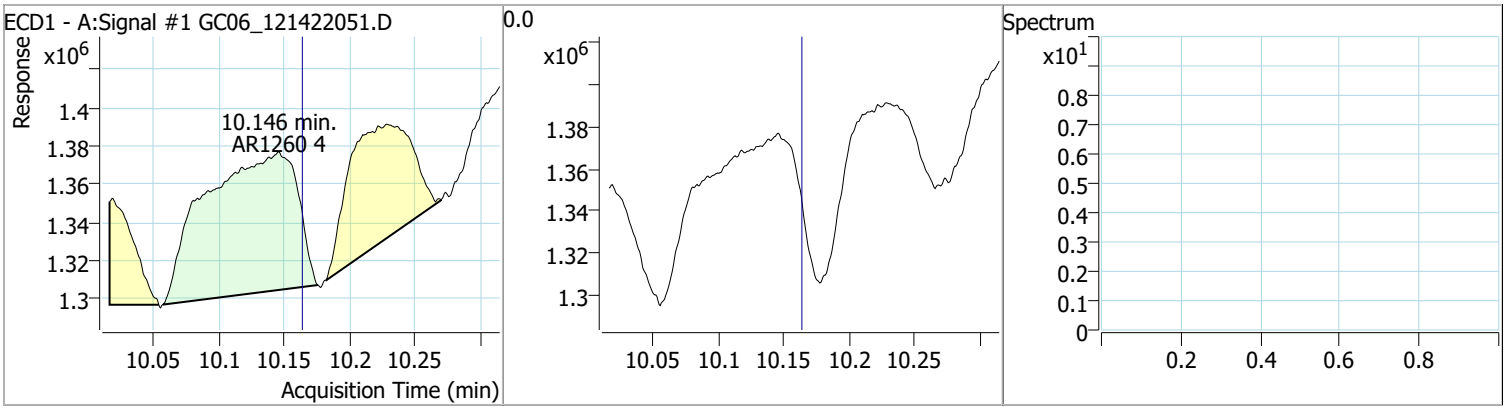
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	21.2185	9.62	-0.07	140271				



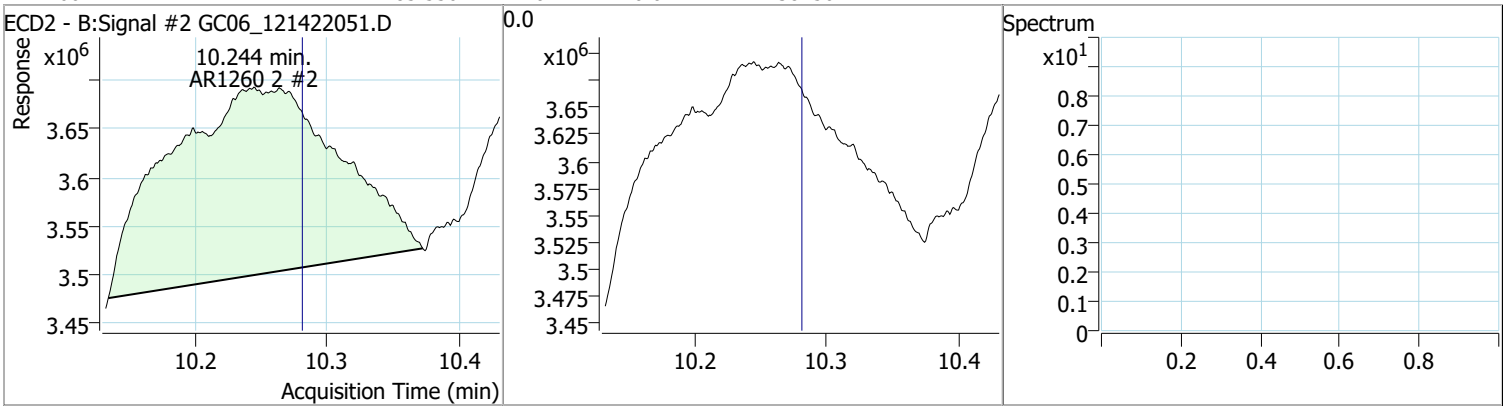
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	78.6648	9.99	-0.04	1330102				



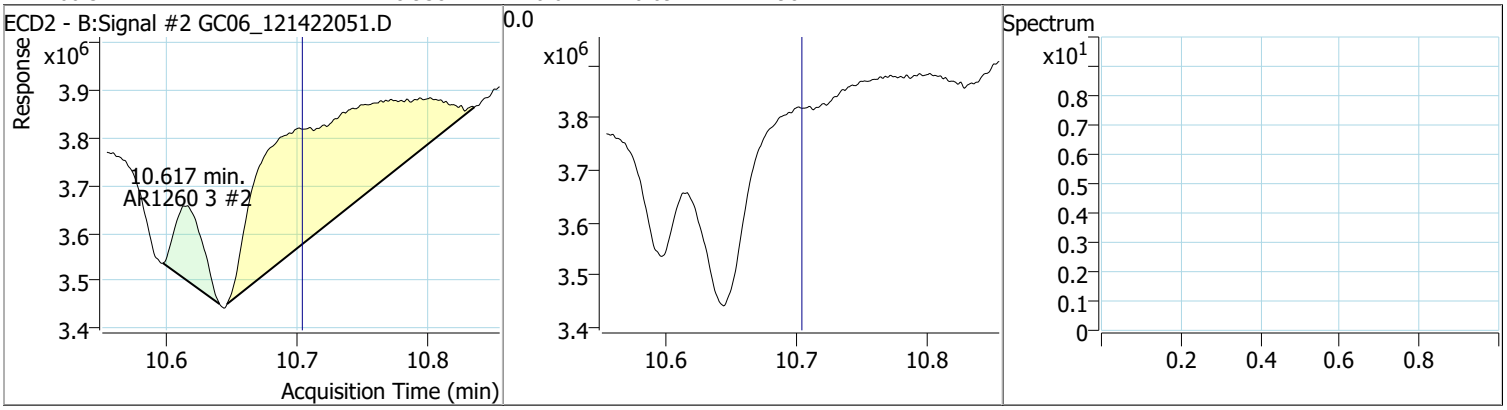
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	87.0211	10.15	-0.02	357758				



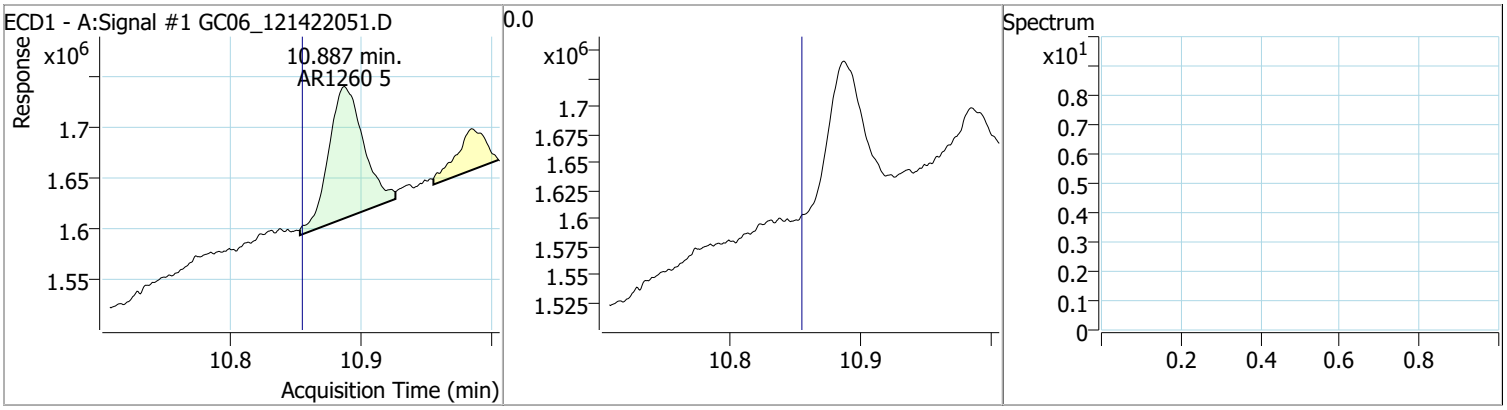
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	85.5561	10.24	-0.04	1738150				



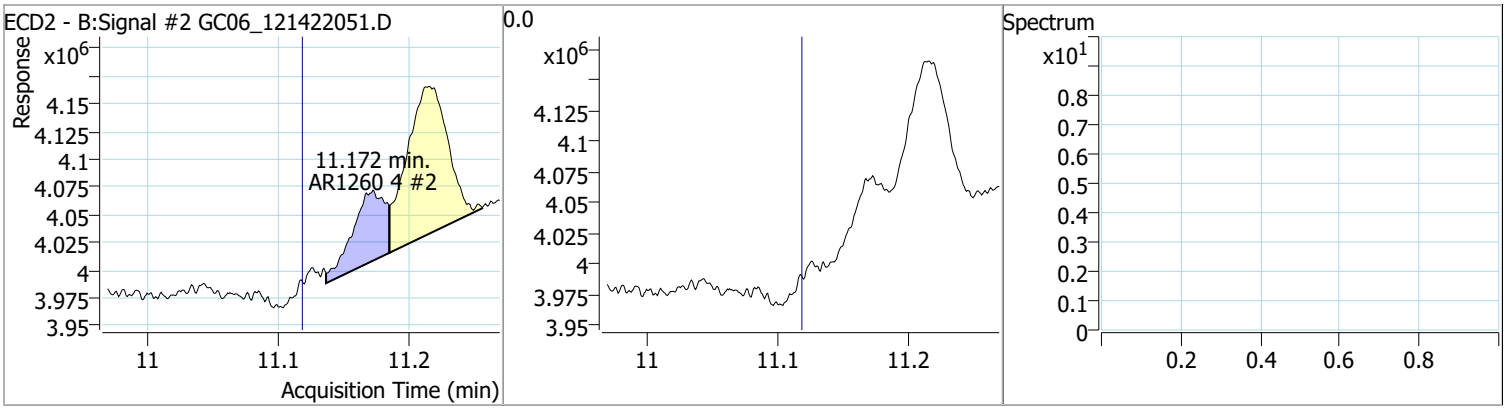
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	8.9381	10.62	-0.09	229847				



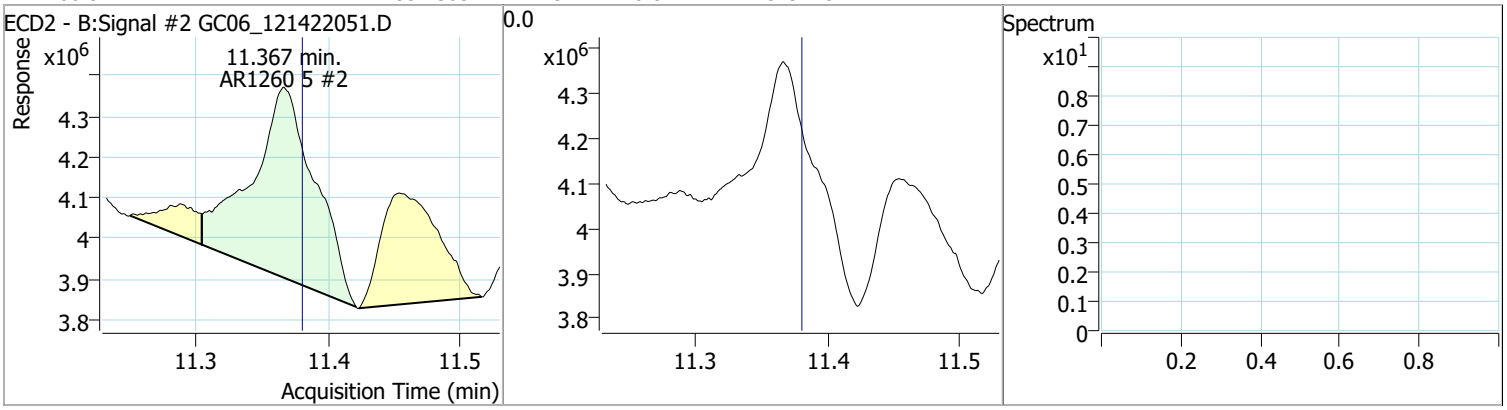
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	14.8912	10.89	0.03	242795				



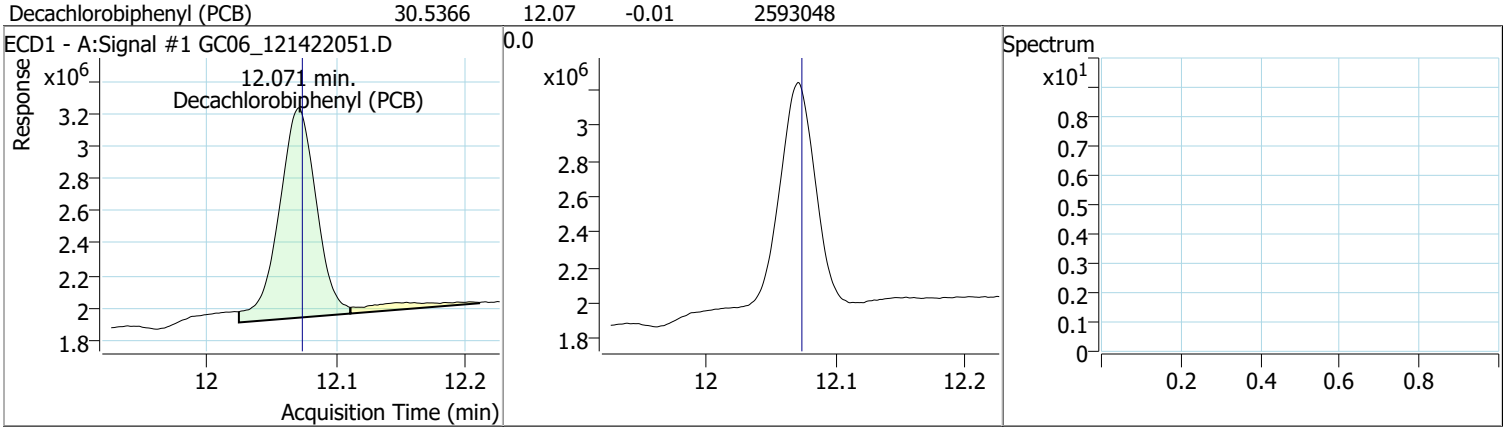
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.17	0.05	110085				



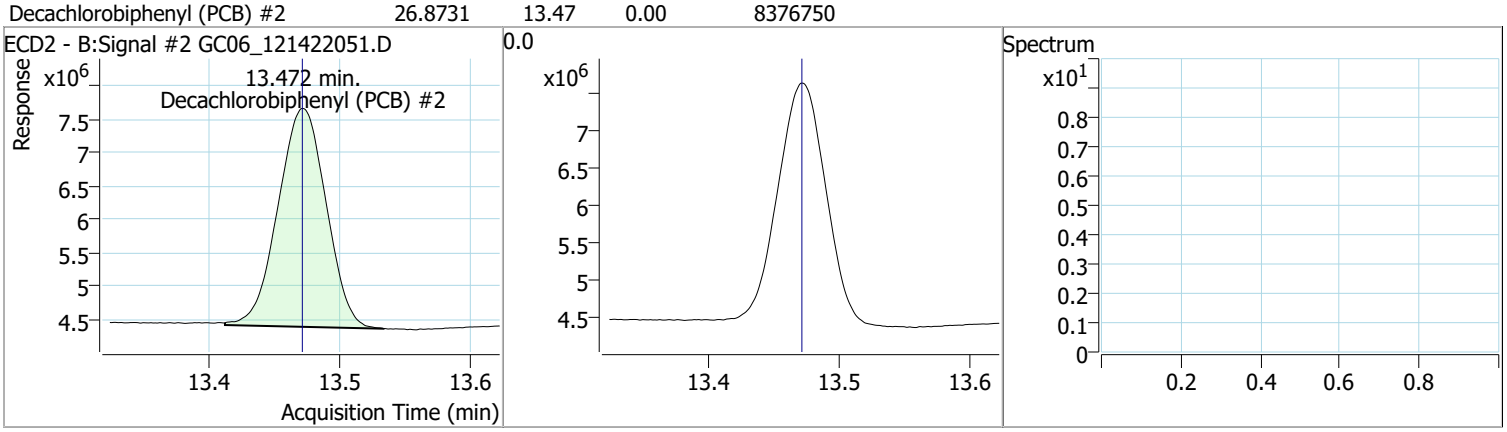
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	55.2505	11.37	-0.02	1579475				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	30.5366	12.07	-0.01	2593048				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	26.8731	13.47	0.00	8376750				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474711-016	Client ID:	20221209-2C-08-DUP
Seqnum:	452501809022	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422022	Batch:	303181	Time:	14-DEC-2022 18:29
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	42.53	~~0.85~~ FP	0.53	46%	0.50		x u
Aroclor-1016 Peak # 1	B	154.1	3.08	1.70	58%			
Aroclor-1016 Peak # 2	B	6.498	0.13	ND	-1201%			
Aroclor-1016 Peak # 3	B	51.06	1.02	0.56	59%			
Aroclor-1016 Peak # 4	B	0.3800	0.01	0.01	13%			
Aroclor-1016 Peak # 5	B	0.6310	0.01	0.60	192%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	28.63	~~0.57~~ FP	0.35	48%	0.50		x u
Aroclor-1260 Peak # 1	B	44.20	0.88	0.70	24%			
Aroclor-1260 Peak # 2	B	53.56	1.07	0.00	199%			
Aroclor-1260 Peak # 3	B	3.392	0.07	0.03	77%			
Aroclor-1260 Peak # 4	B	-22.62	ND	0.56	1962%			
Aroclor-1260 Peak # 5	B	64.62	1.29	0.48	92%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	18.03	0.5000	0.3606	72	52-121	u
Decachlorobiphenyl (PCB)	B	16.13	0.5000	0.3226	65	50-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5307613	5070503	-4.47
1-bromo-2-nitrobenzene (PCB)	A	1103956	1087576	-1.48

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

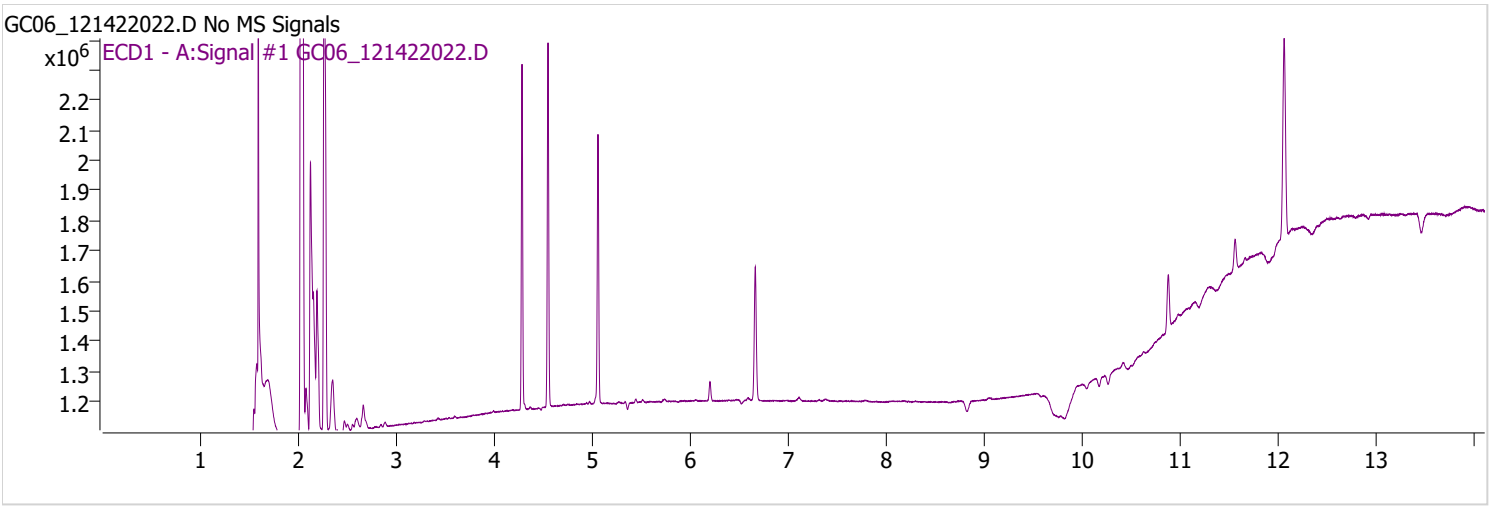
ISTD (CCV gc06_121422004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

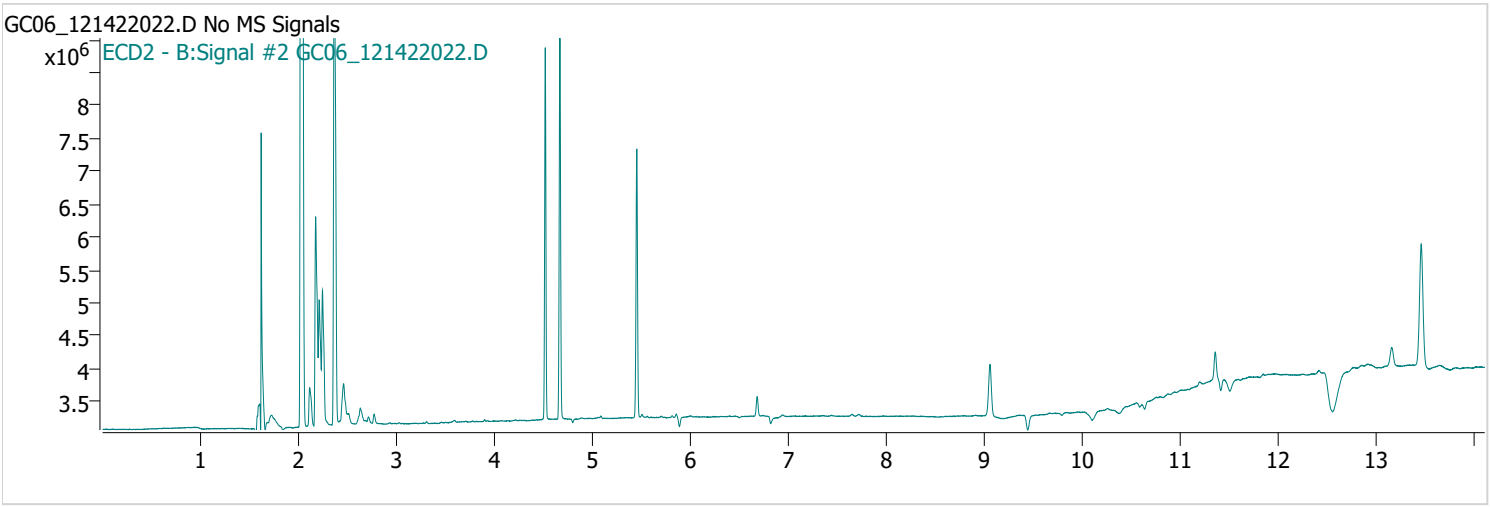
Analyst: MES 12/15/22

Reviewer: LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422022.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 6:29:38 PM
Sample Name	474711-016, 303181, 1	Instrument	SVOA-GC06
Vial	11	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



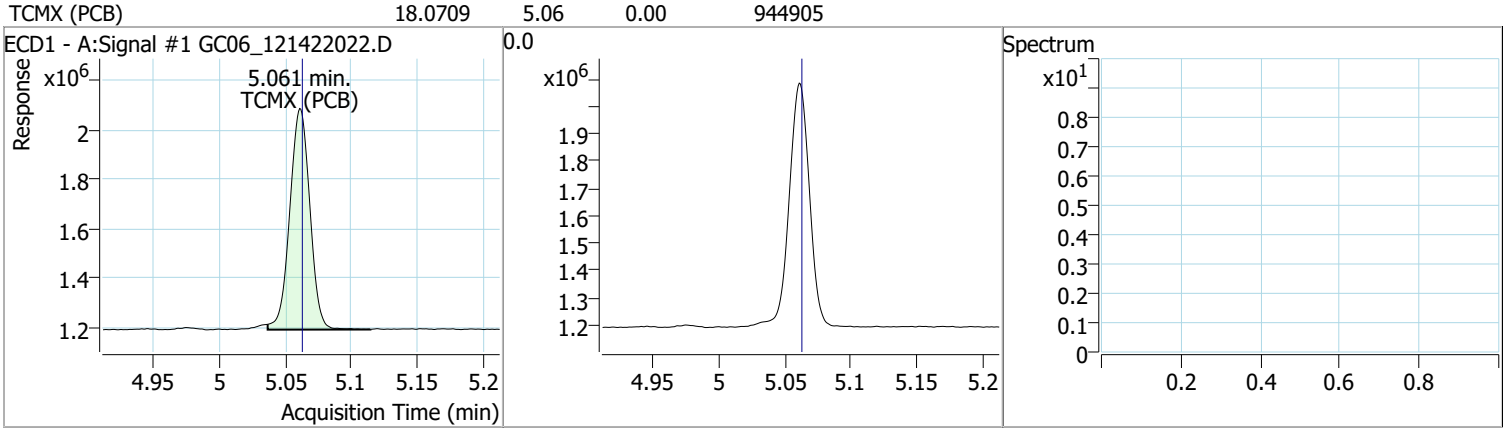


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.285	0.0	1087576.252	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.523	0.0	5070503.010	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.061	0.0	944905.138	18.0709	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 90.35%		
S TCMX (PCB) #2	5.458	0.0	4390429.455	18.0299	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 90.15%		
S Decachlorobiphenyl (PCB)	12.071	0.0	1393433.137	16.8171	ng/ml	-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 84.09%		
S Decachlorobiphenyl (PCB) #2	13.471	0.0	4705849.999	16.1332	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 80.67%		
Target Compounds						**QValue**
T AR1016 1	5.449	0.0	96662.017	84.7730	ng/ml	100

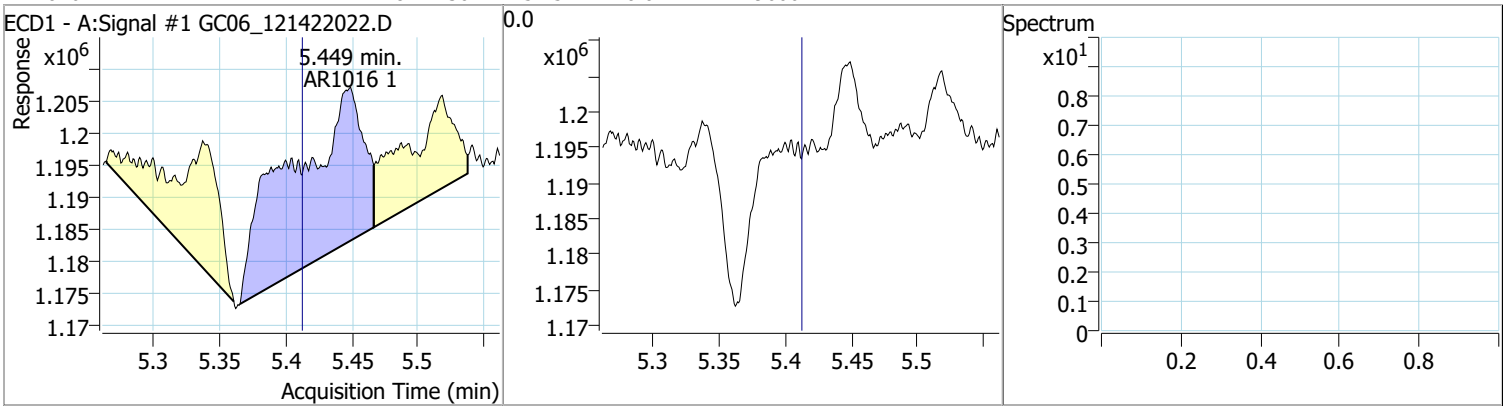
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.744	0.0	14268.320	0.0000	ng/ml	100
T AR1016 1 #2	6.008	0.0	812040.735	154.0908	ng/ml	100
T AR1016 3	6.205	0.0	80583.448	27.8740	ng/ml	100
T AR1016 4	6.353	0.0	735.036	0.3343	ng/ml	100
T AR1016 2 #2	6.410	0.0	49431.803	6.4979	ng/ml	100
T AR1016 5	6.593	0.0	52865.117	29.8502	ng/ml	100
T AR1016 3 #2	6.949	0.0	705737.074	51.0569	ng/ml	100
T AR1016 4 #2	7.155	0.0	3750.212	0.3800	ng/ml	100
T AR1016 5 #2	7.292	0.0	5061.740	0.6310	ng/ml	100
T AR1260 1	8.763	0.0	128232.585	34.8731	ng/ml	100
T AR1260 2	9.292	0.0	706.231	0.1260	ng/ml	100
T AR1260 3	9.786	0.0	8780.691	1.4989	ng/ml	100
T AR1260 1 #2	10.032	0.0	666966.237	44.1999	ng/ml	100
T AR1260 4	10.148	0.0	133657.012	27.7576	ng/ml	100
T AR1260 2 #2	10.271	0.0	971152.384	53.5640	ng/ml	100
T AR1260 3 #2	10.615	0.0	77834.280	3.3916	ng/ml	100
T AR1260 5	10.888	0.0	273580.117	23.8510	ng/ml	100
T AR1260 4 #2	11.085	0.0	12969.146	0.0000	ng/ml	100
T AR1260 5 #2	11.367	0.0	1588432.495	64.6281	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

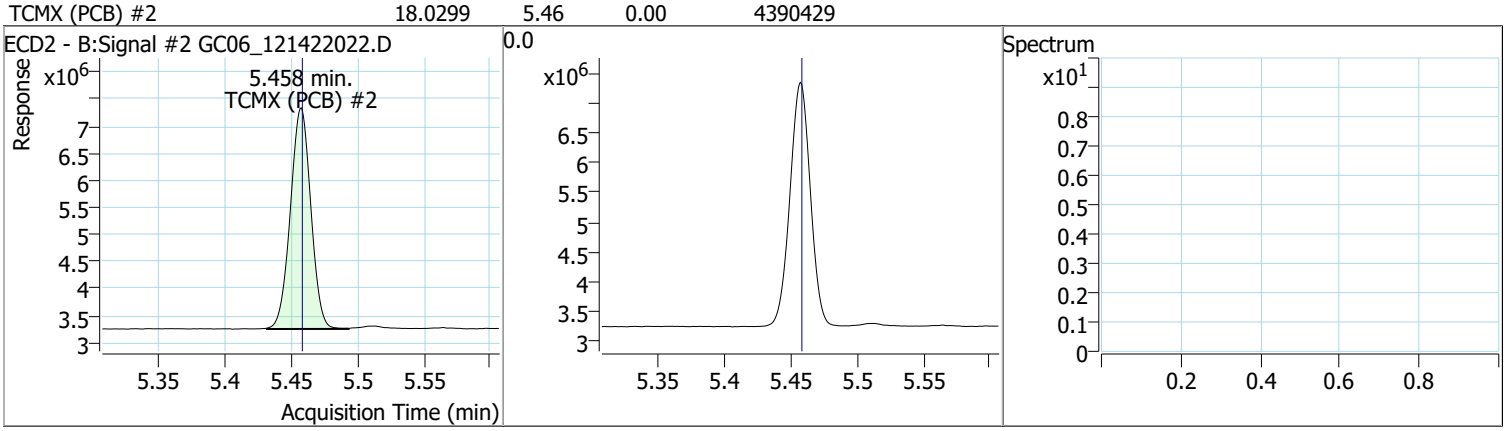
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.0709	5.06	0.00	944905				



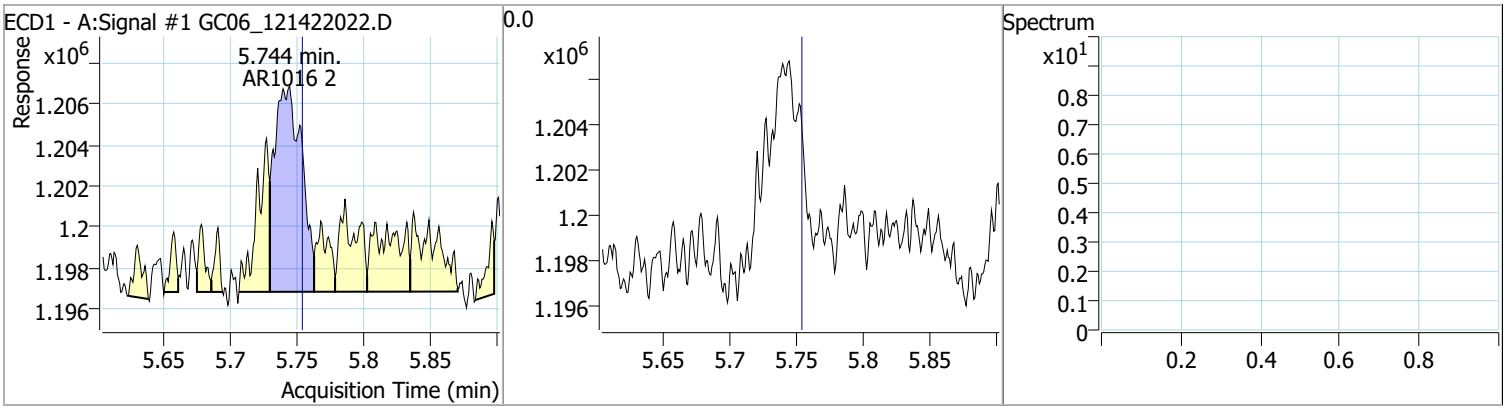
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	84.7730	5.45	0.04	96662				



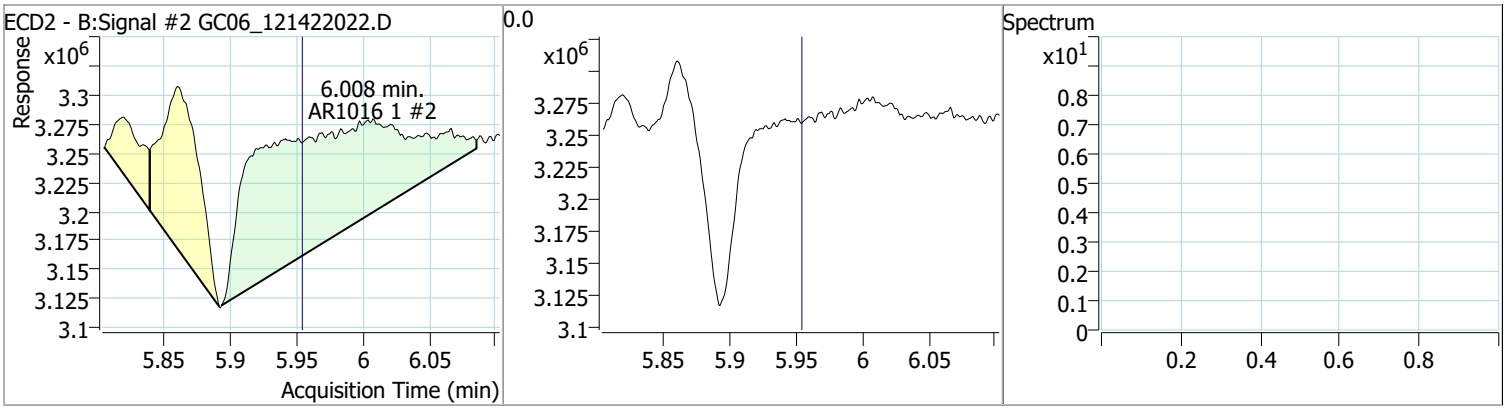
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	18.0299	5.46	0.00	4390429				



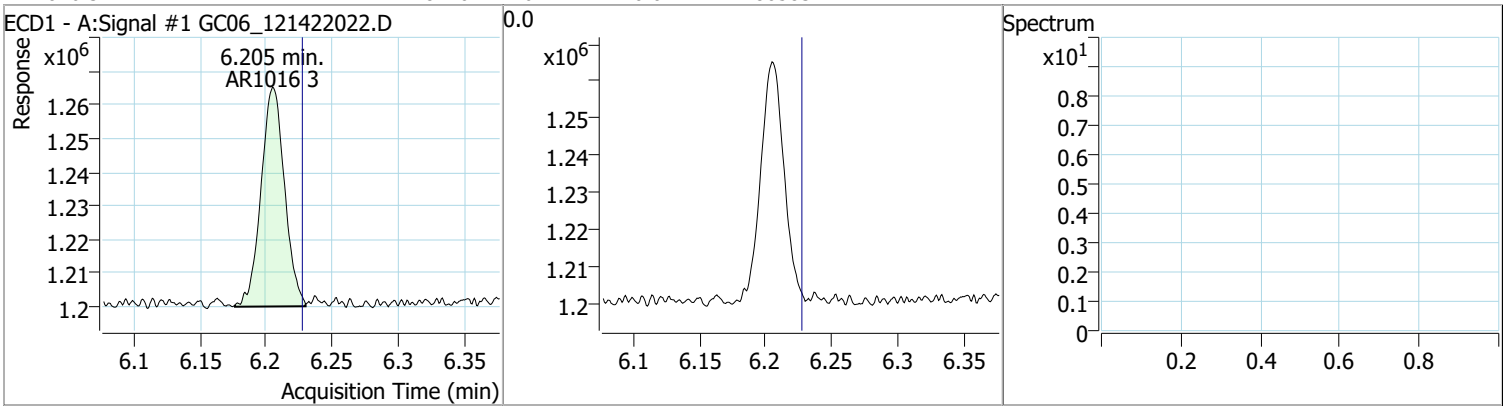
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.74	-0.01	14268				



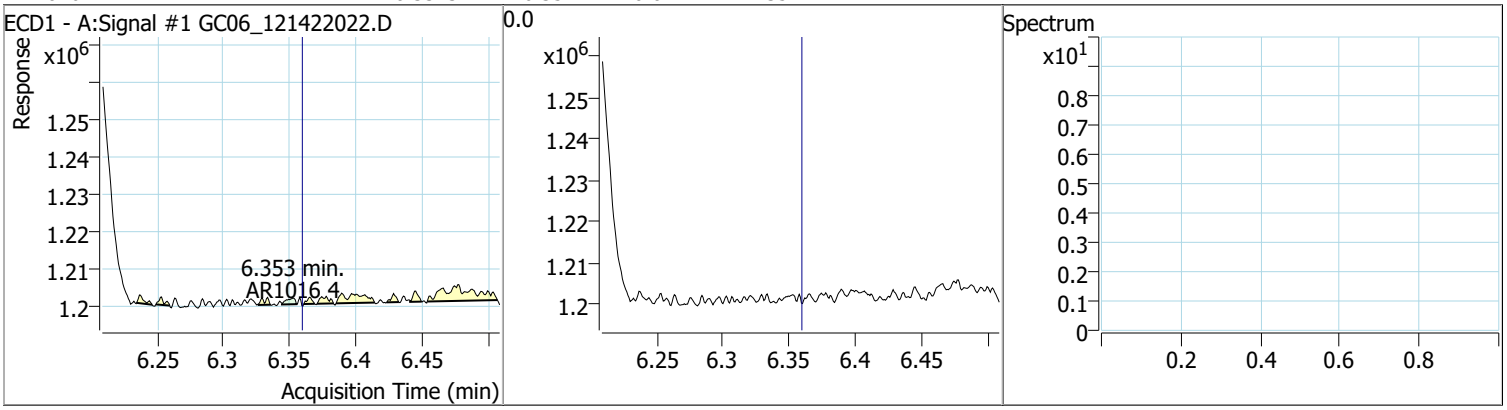
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	154.0908	6.01	0.05	812041				



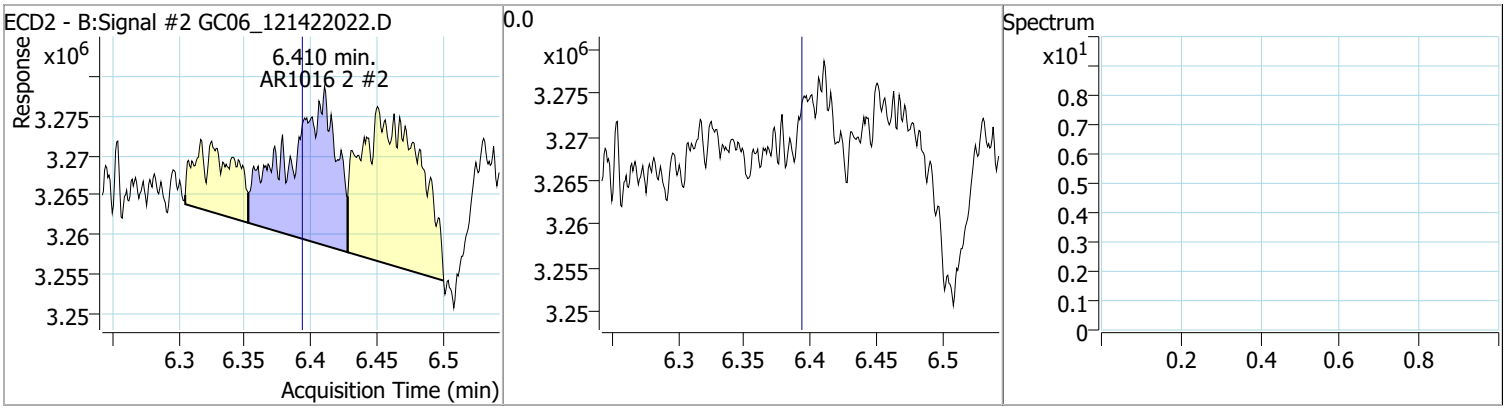
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	27.8740	6.21	-0.02	80583				



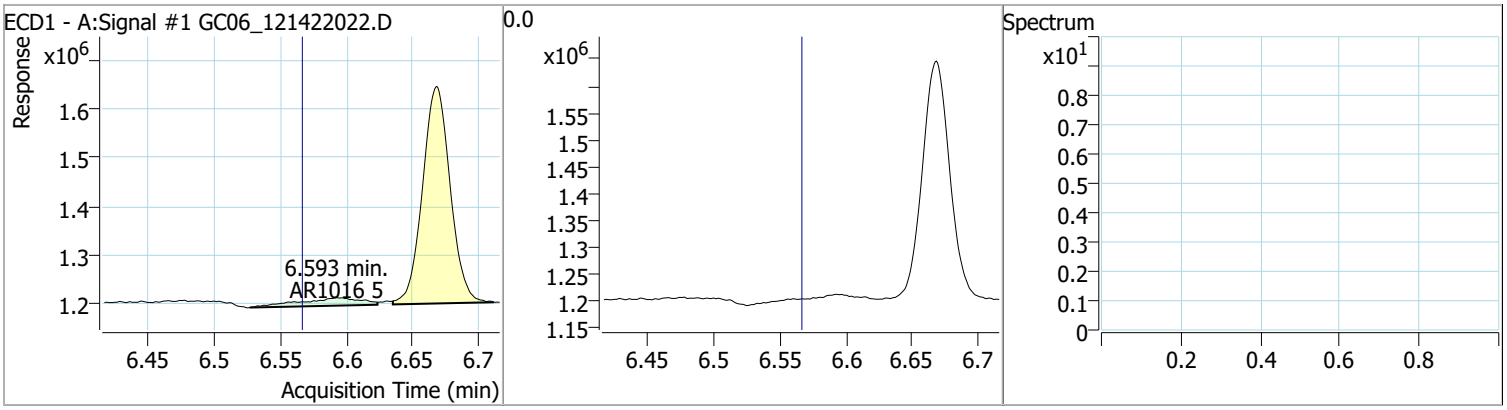
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.3343	6.35	-0.01	735				



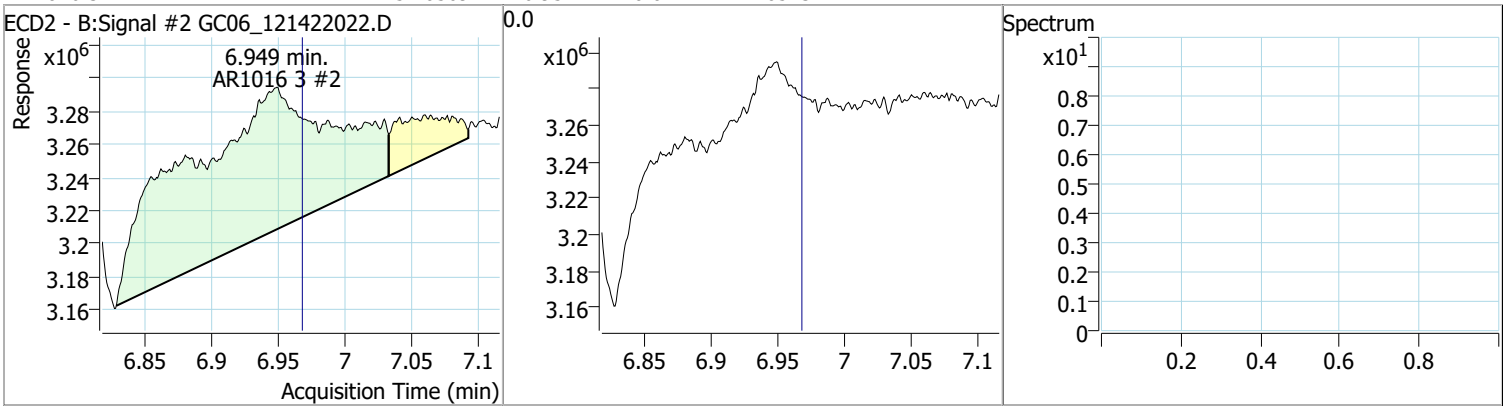
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	6.4979	6.41	0.02	49432				



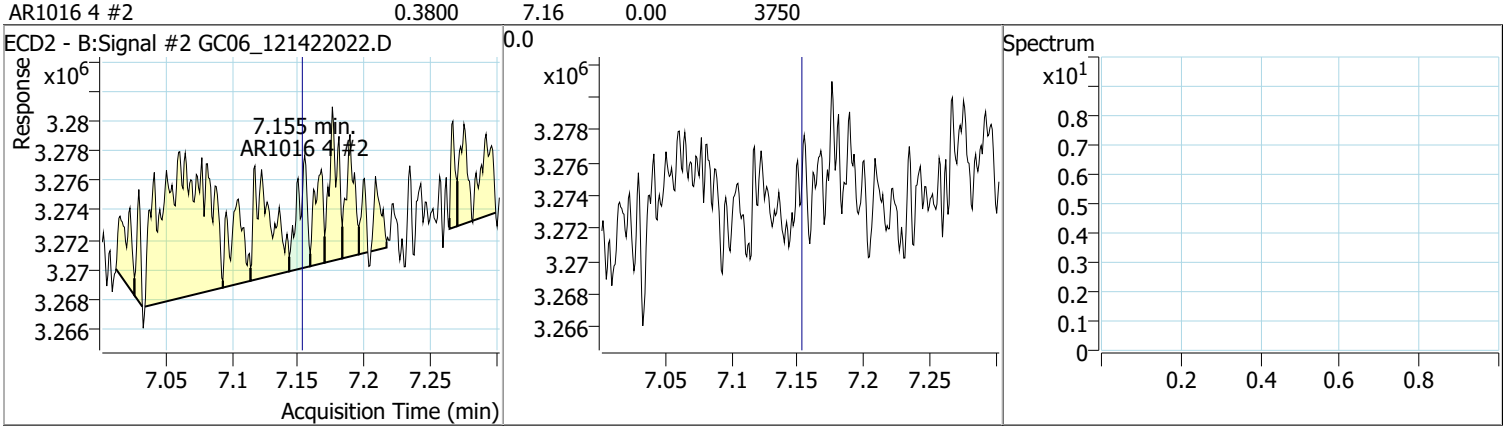
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	29.8502	6.59	0.03	52865				



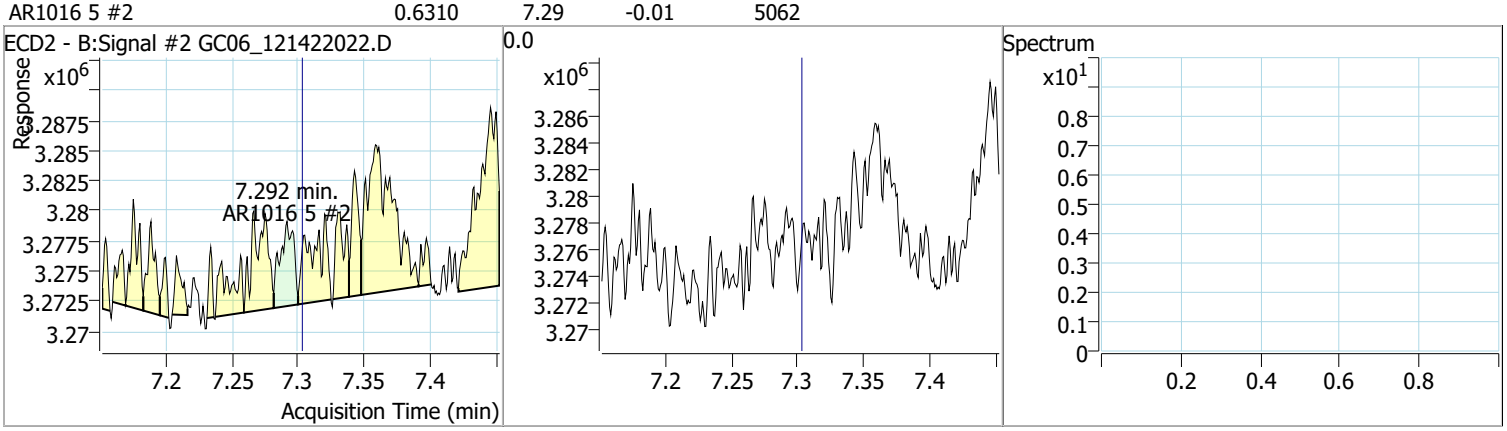
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	51.0569	6.95	-0.02	705737				



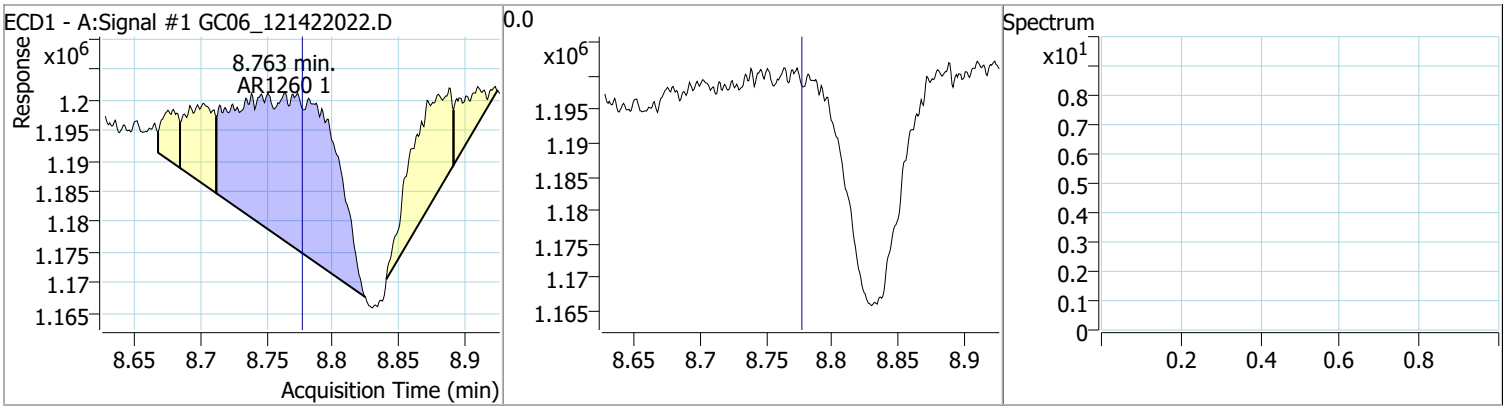
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.3800	7.16	0.00	3750				



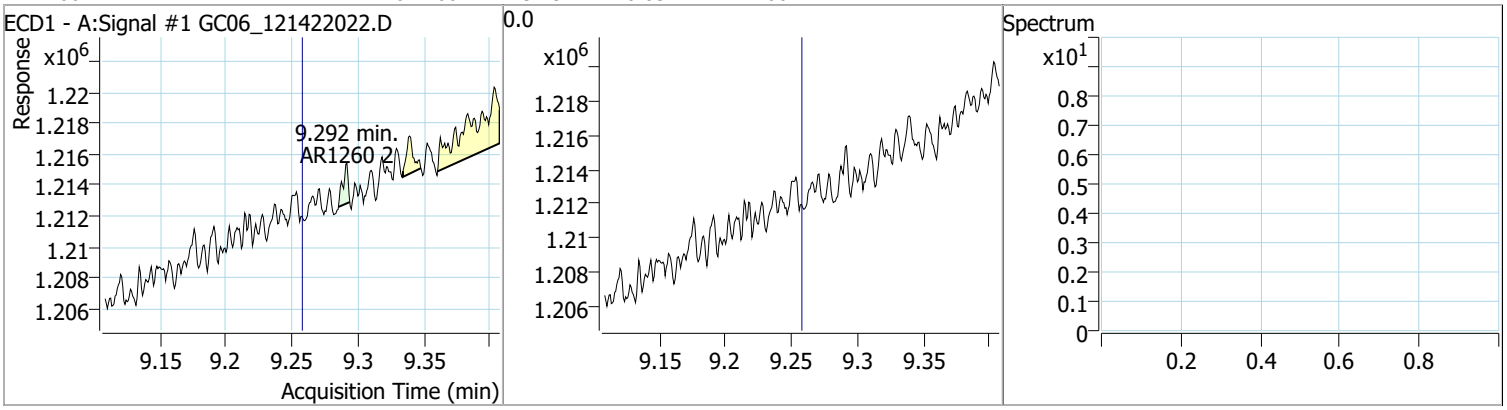
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.6310	7.29	-0.01	5062				



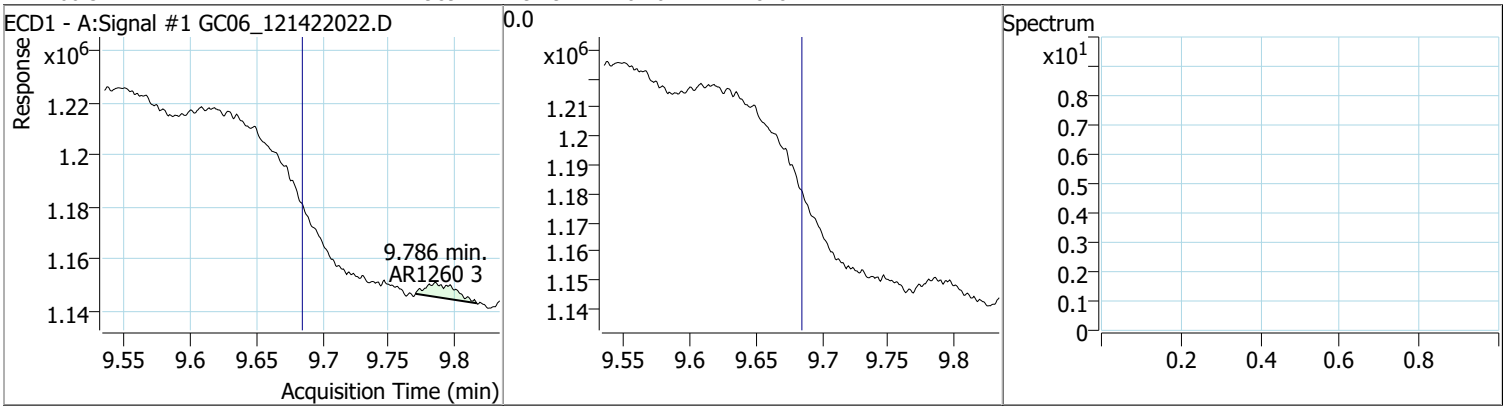
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	34.8731	8.76	-0.01	128233				



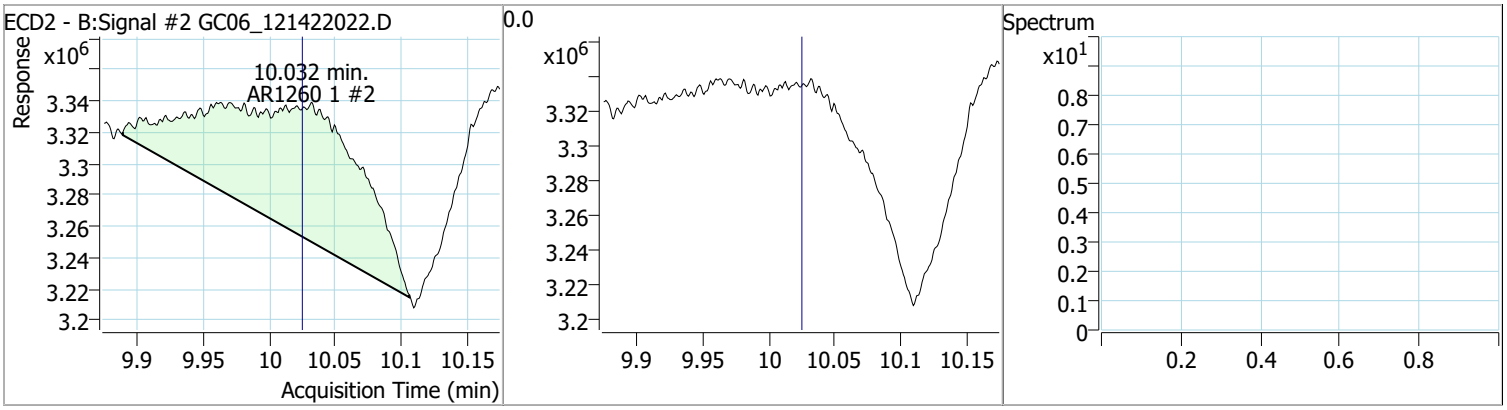
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.1260	9.29	0.03	706				



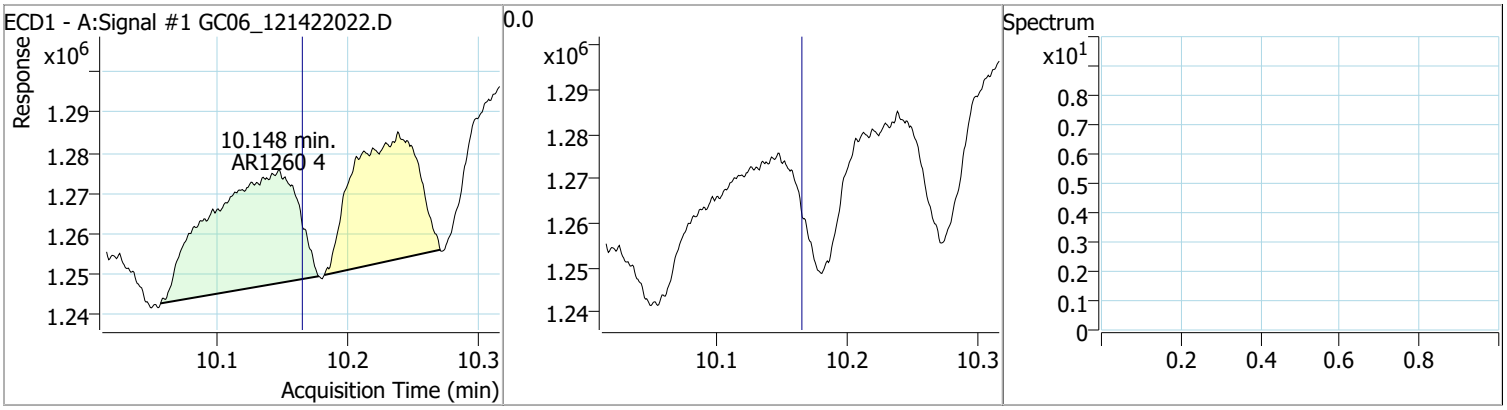
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1.4989	9.79	0.10	8781				



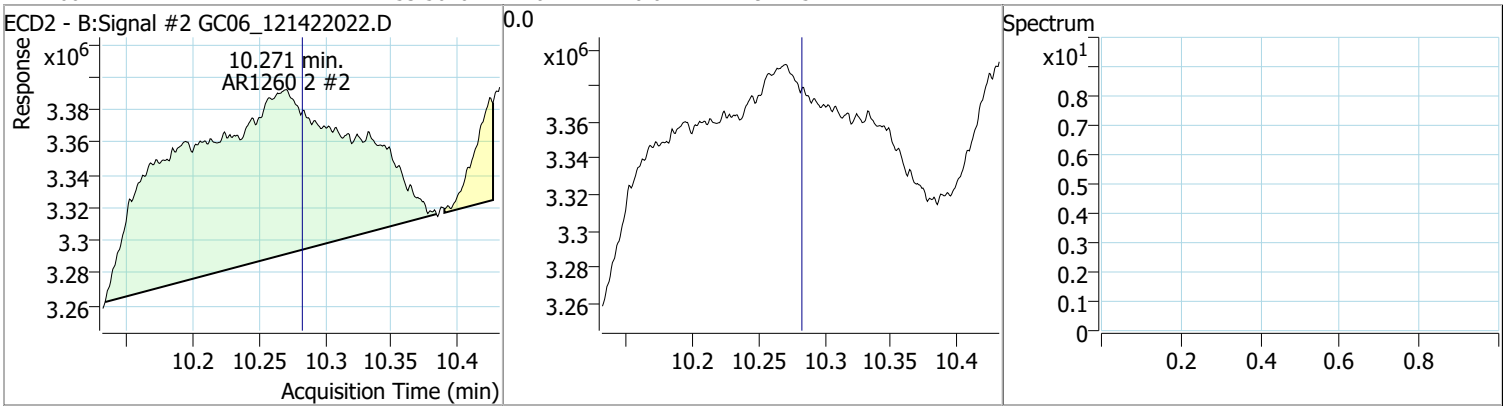
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	44.1999	10.03	0.01	666966				



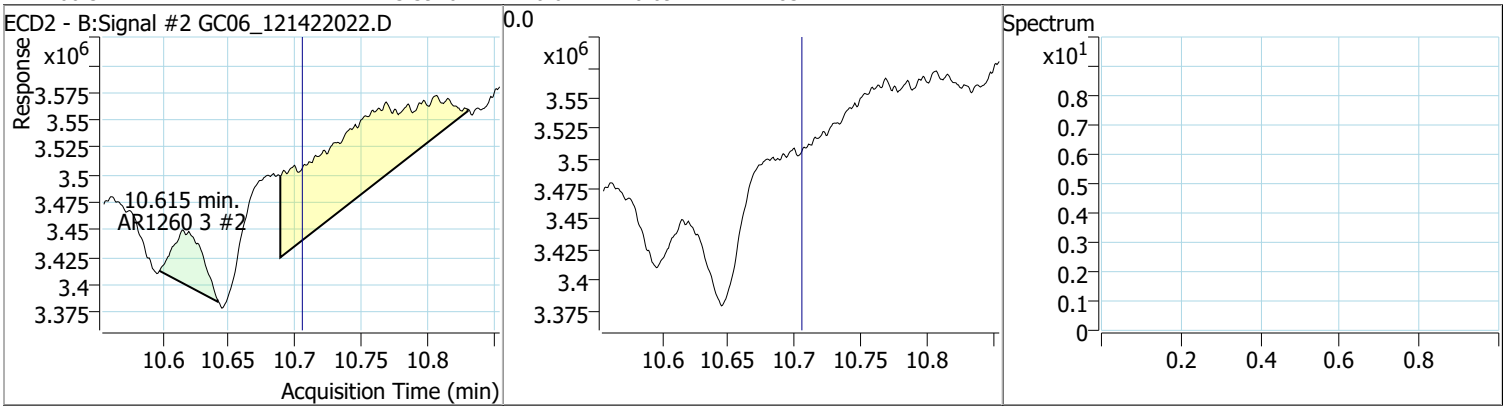
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	27.7576	10.15	-0.02	133657				



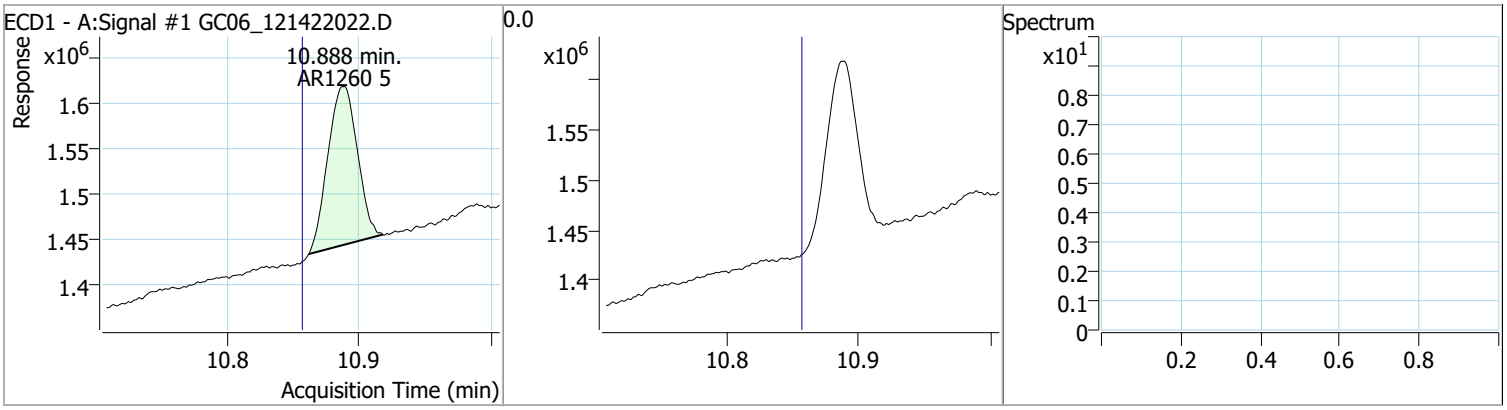
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	53.5640	10.27	-0.01	971152				



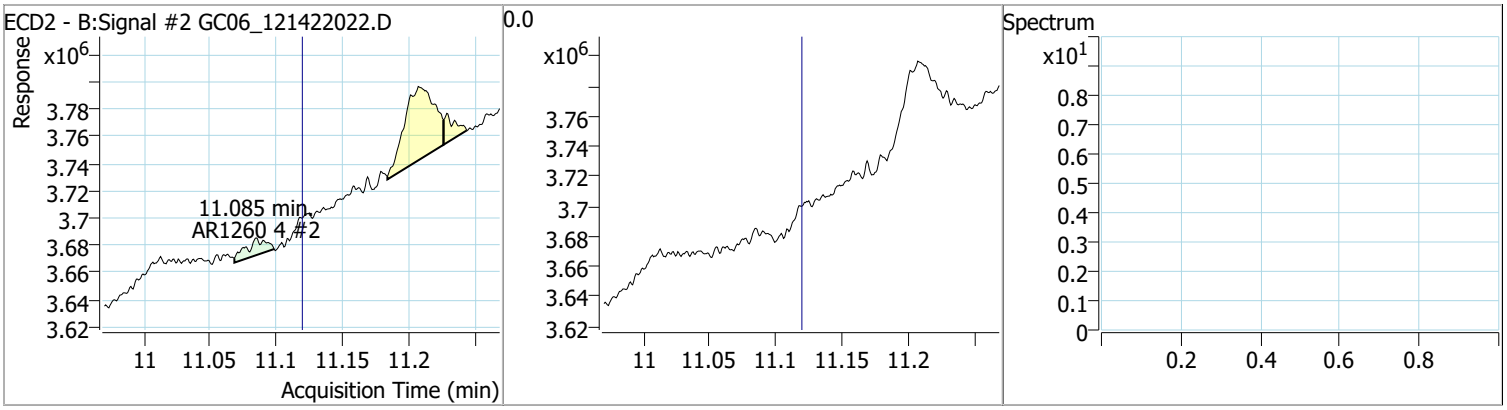
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	3.3916	10.62	-0.09	77834				



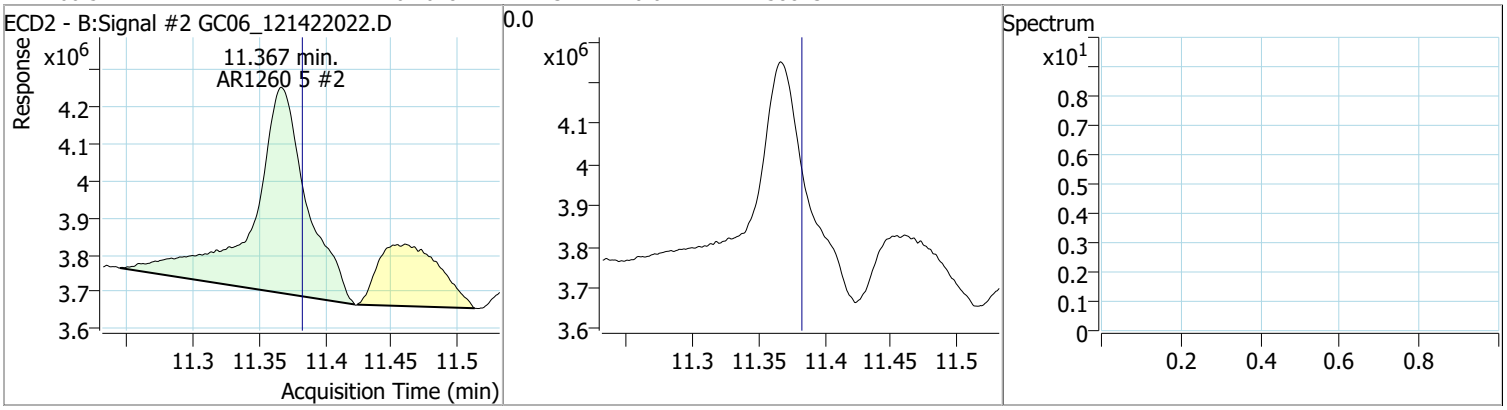
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	23.8510	10.89	0.03	273580				



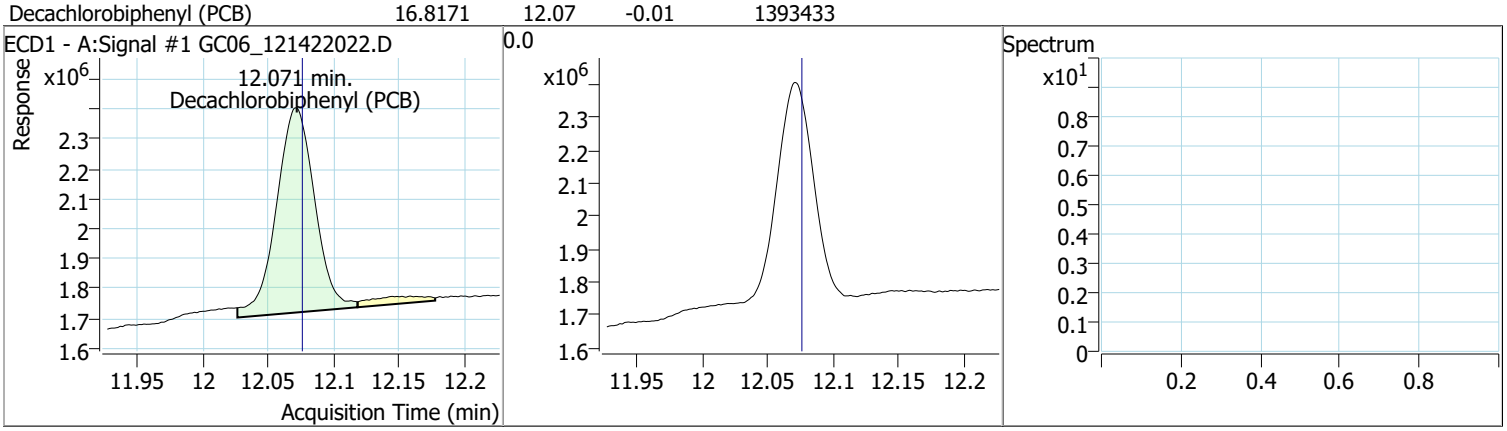
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.09	-0.03	12969				



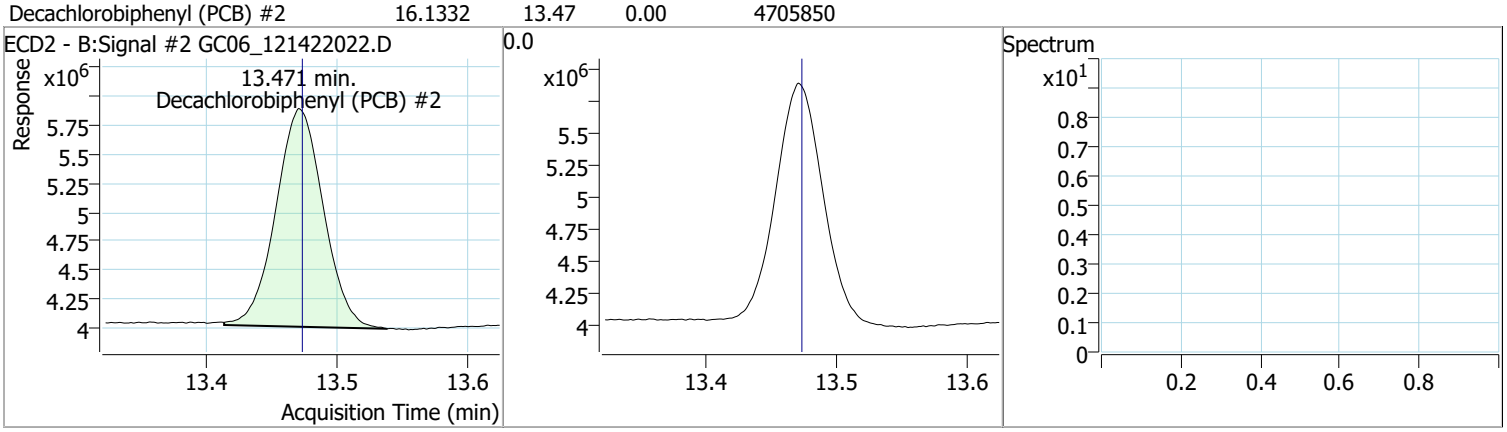
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	64.6281	11.37	-0.02	1588432				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	16.8171	12.07	-0.01	1393433				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	16.1332	13.47	0.00	4705850				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474711-017	Client ID:	20221209-2C-09
Seqnum:	452501809052	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422052	Batch:	303182	Time:	15-DEC-2022 03:39
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	116.9	~~1.2~~ ~~FP~~	2.2	59%	0.50		x u
Aroclor-1016 Peak # 1	B	232.8	2.33	1.36	52%			
Aroclor-1016 Peak # 2	B	140.7	1.41	0.02	193%			
Aroclor-1016 Peak # 3	B	184.1	1.84	0.74	86%			
Aroclor-1016 Peak # 4	B	1.244	0.01	1.53	197%			
Aroclor-1016 Peak # 5	B	25.56	0.26	7.10	186%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	48.55	ND	0.52	7%	0.50		u
Aroclor-1260 Peak # 1	B	76.47	0.76	1.00	27%			
Aroclor-1260 Peak # 2	B	44.12	0.44	0.00	198%			
Aroclor-1260 Peak # 3	B	69.23	0.69	0.19	113%			
Aroclor-1260 Peak # 4	B	-14.65	ND	0.93	275%			
Aroclor-1260 Peak # 5	B	67.57	0.68	0.49	33%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	32.80	0.5000	0.3280	66	19-121	u
Decachlorobiphenyl (PCB)	B	29.28	0.5000	0.2928	59	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422036)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5560467	5486215	-1.34
1-bromo-2-nitrobenzene (PCB)	A	1170615	1197877	2.33

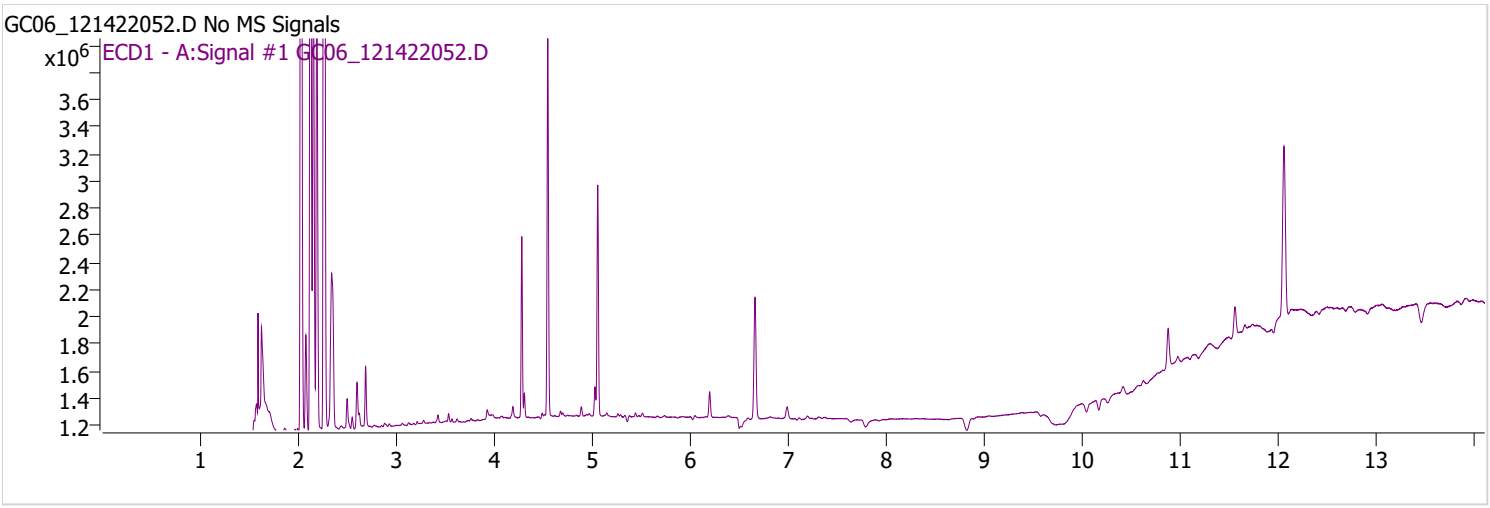
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

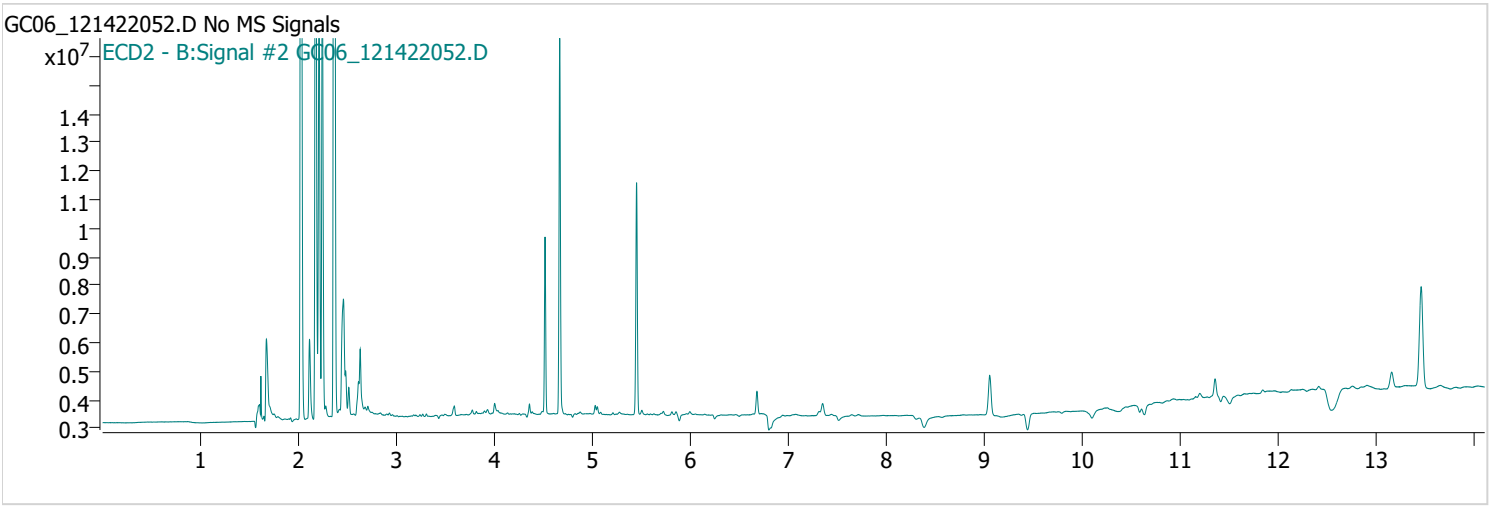
ISTD (CCV gc06_121422036)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

Analyst: MES 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422052.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 3:39:47 AM
Sample Name	474711-017, 303182, 1	Instrument	SVOA-GC06
Vial	35	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



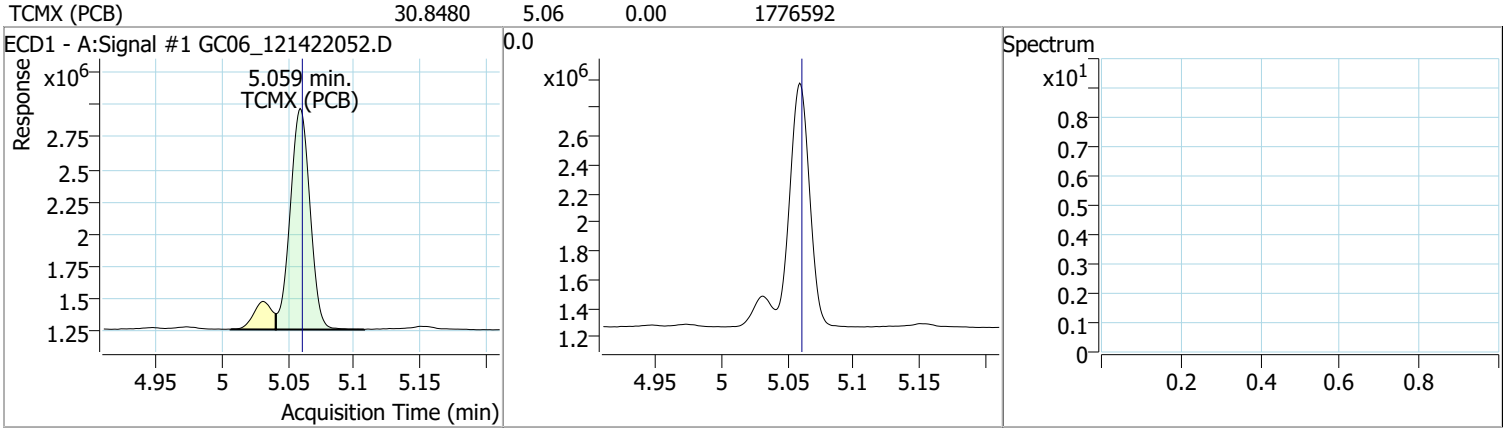


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.283	0.0	1197877.119	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.521	0.0	5486214.644	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB)	5.059	0.0	1776591.599	30.8480	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 154.24%		*	
S TCMX (PCB) #2	5.456	0.0	8640810.923	32.7958	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 163.98%		*	
S Decachlorobiphenyl (PCB)	12.071	0.0	2745317.317	33.4910	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 167.46%		*	
S Decachlorobiphenyl (PCB) #2	13.472	0.0	8761779.183	29.2854	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 146.43%			
Target Compounds							QValue

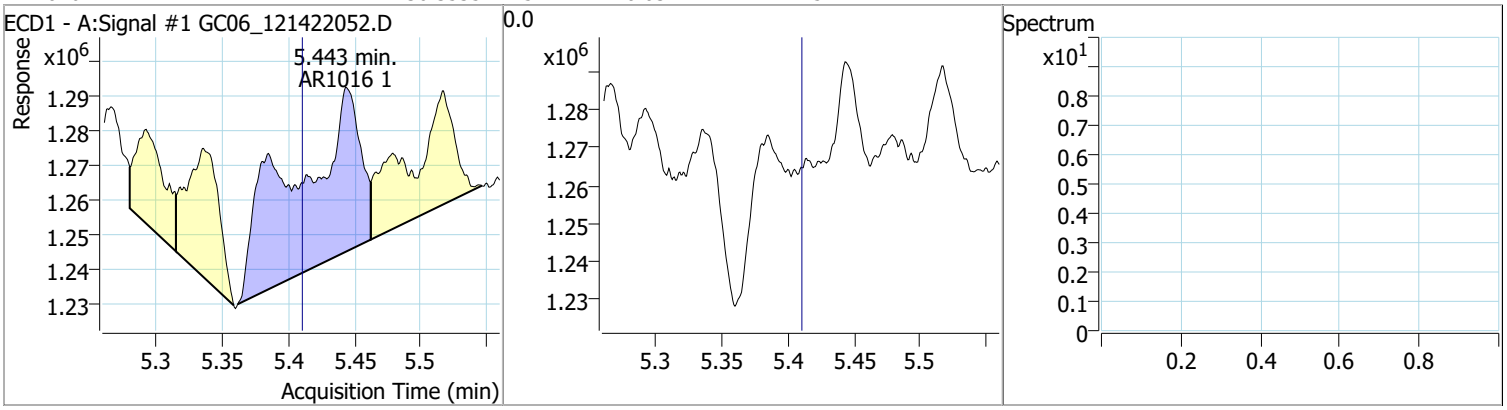
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.443	0.0	171244.698	136.3535	ng/ml	100
T AR1016 2	5.738	0.0	44241.564	2.3271	ng/ml	100
T AR1016 1 #2	6.001	0.0	1327595.199	232.8321	ng/ml	100
T AR1016 3	6.203	0.0	234750.548	73.7239	ng/ml	100
T AR1016 4	6.392	0.0	371739.834	153.4993	ng/ml	100
T AR1016 2 #2	6.471	0.0	1158105.846	140.7003	ng/ml	100
T AR1016 5	6.666	0.0	1385807.883	710.4416	ng/ml	100
T AR1016 3 #2	7.079	0.0	2753690.891	184.1218	ng/ml	100
T AR1016 4 #2	7.188	0.0	13277.559	1.2436	ng/ml	100
T AR1016 5 #2	7.321	0.0	221821.140	25.5589	ng/ml	100
T AR1260 1	8.763	0.0	405787.757	100.1933	ng/ml	100
T AR1260 2	9.233	0.0	1137.705	0.1843	ng/ml	100
T AR1260 3	9.610	0.0	123377.135	19.1219	ng/ml	100
T AR1260 1 #2	10.014	0.0	1248601.607	76.4751	ng/ml	100
T AR1260 4	10.146	0.0	369058.992	92.8565	ng/ml	100
T AR1260 2 #2	10.266	0.0	865592.413	44.1243	ng/ml	100
T AR1260 3 #2	10.774	0.0	1719157.292	69.2343	ng/ml	100
T AR1260 5	10.887	0.0	479035.660	48.5915	ng/ml	100
T AR1260 4 #2	11.168	0.0	122720.720	0.0000	ng/ml	100
T AR1260 5 #2	11.367	0.0	1779461.718	67.5745	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

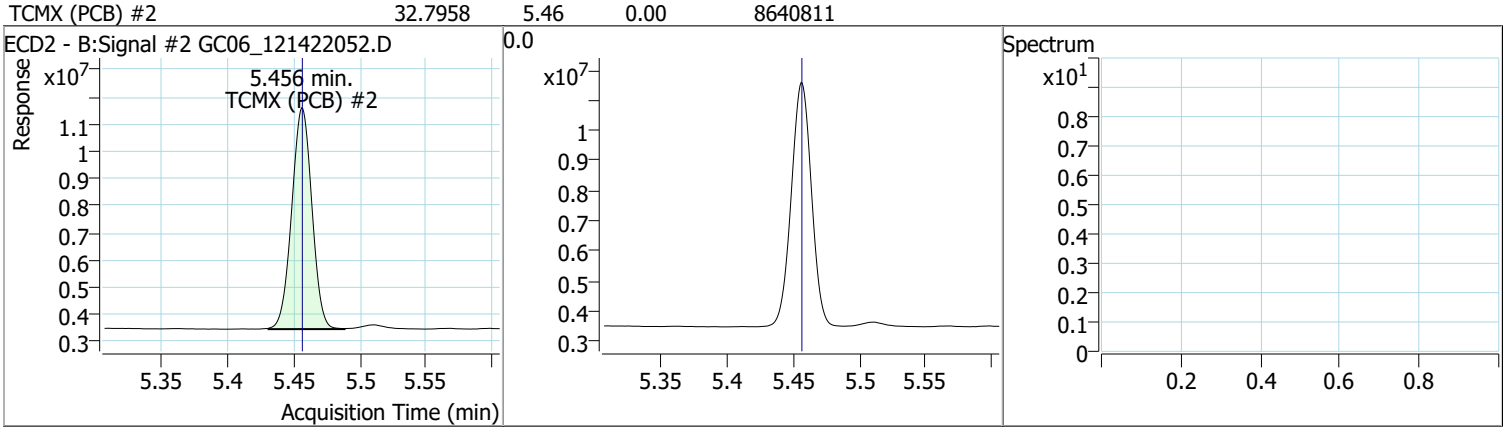
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	30.8480	5.06	0.00	1776592				



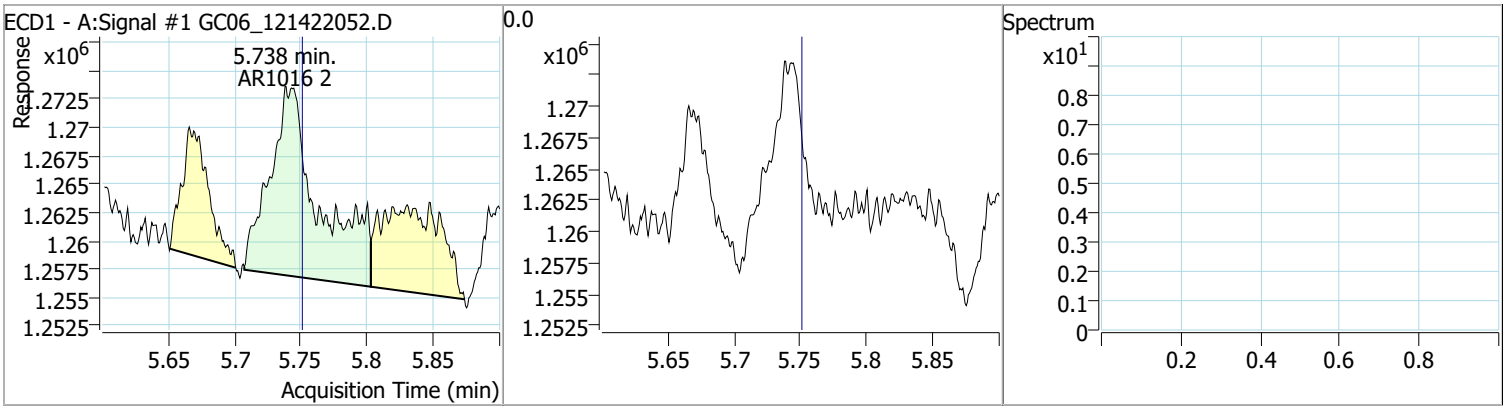
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	136.3535	5.44	0.03	171245				



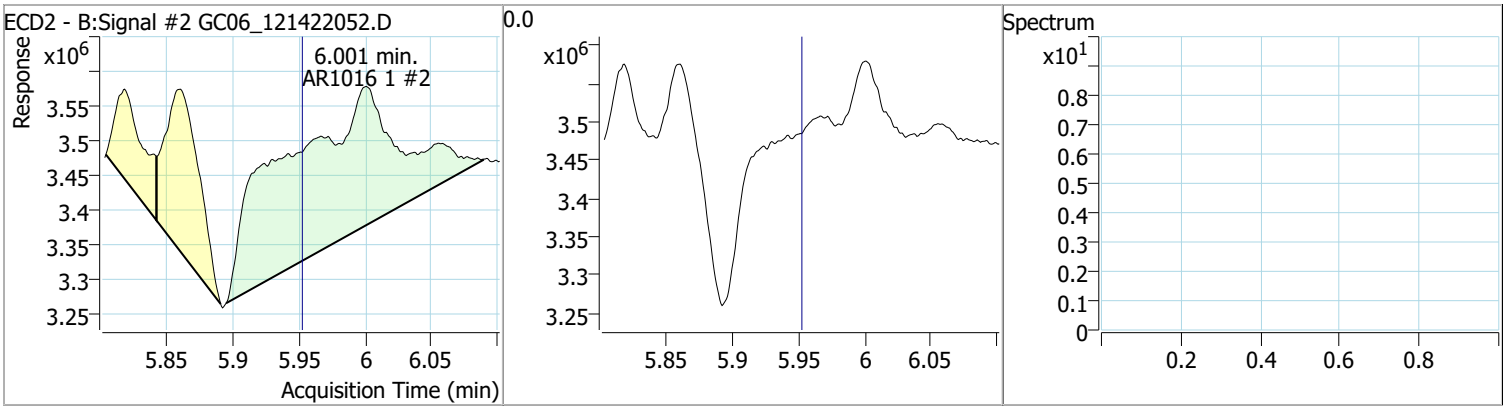
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.7958	5.46	0.00	8640811				



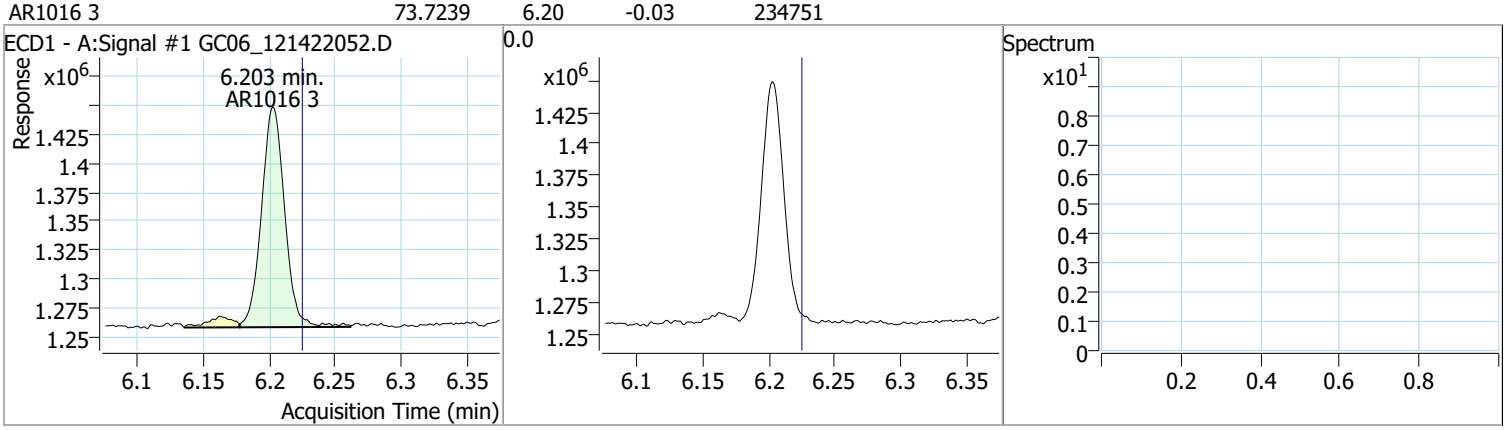
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	2.3271	5.74	-0.02	44242				



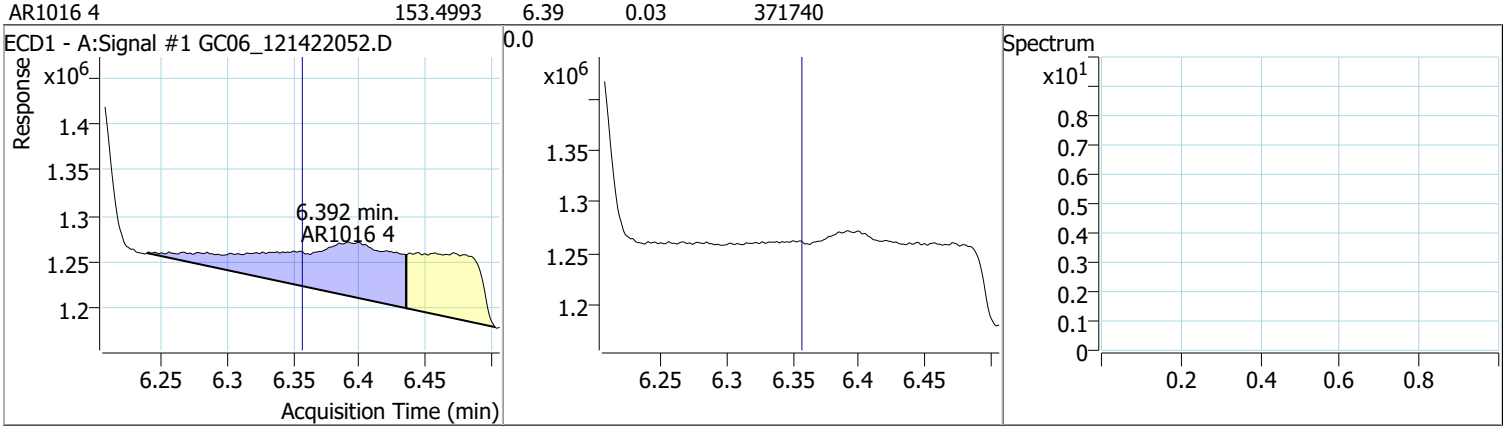
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	232.8321	6.00	0.05	1327595				



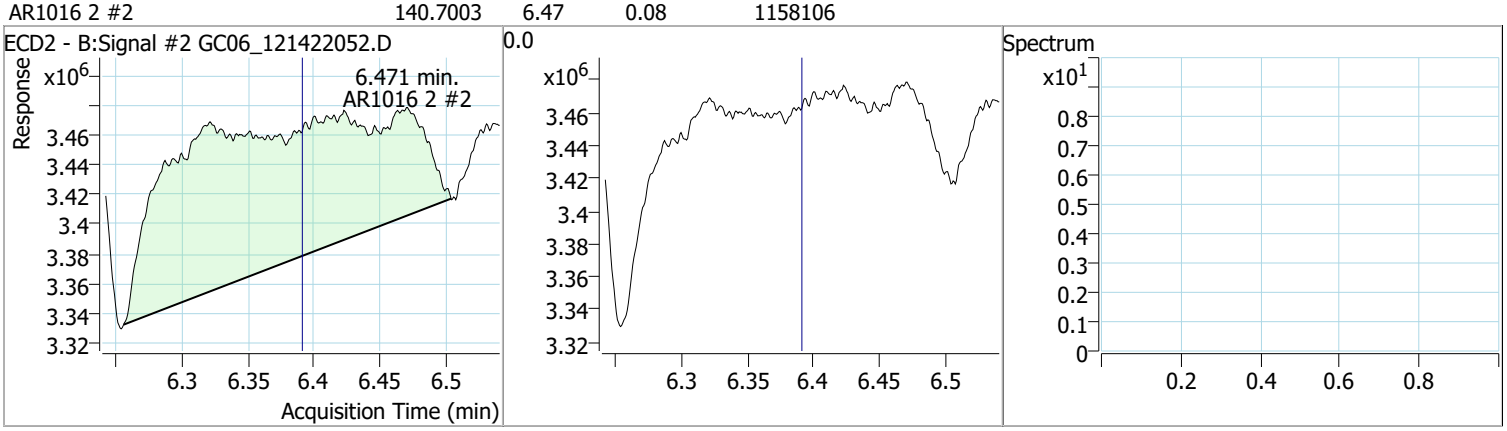
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	73.7239	6.20	-0.03	234751				



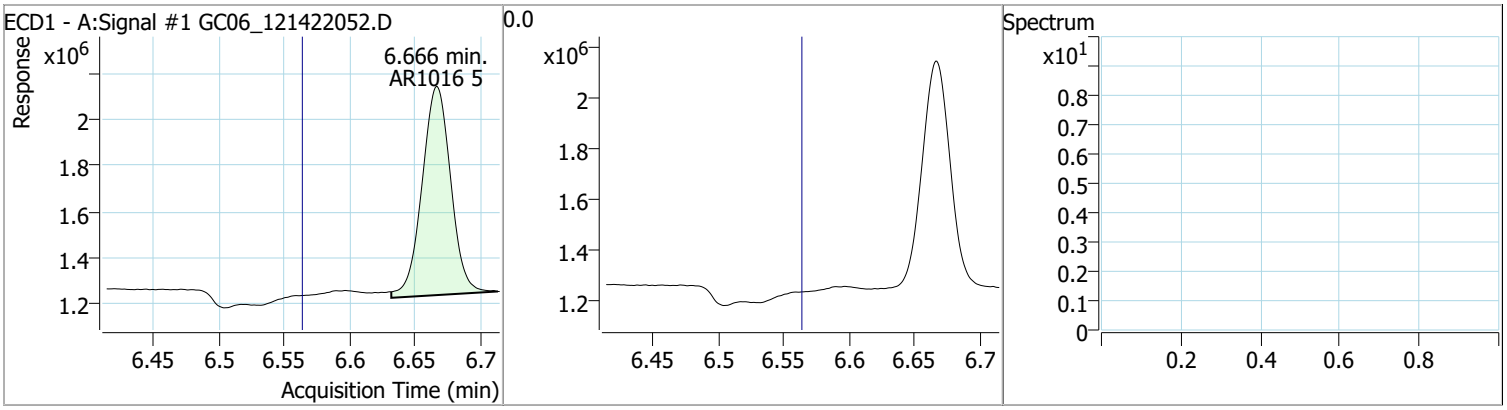
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	153.4993	6.39	0.03	371740				



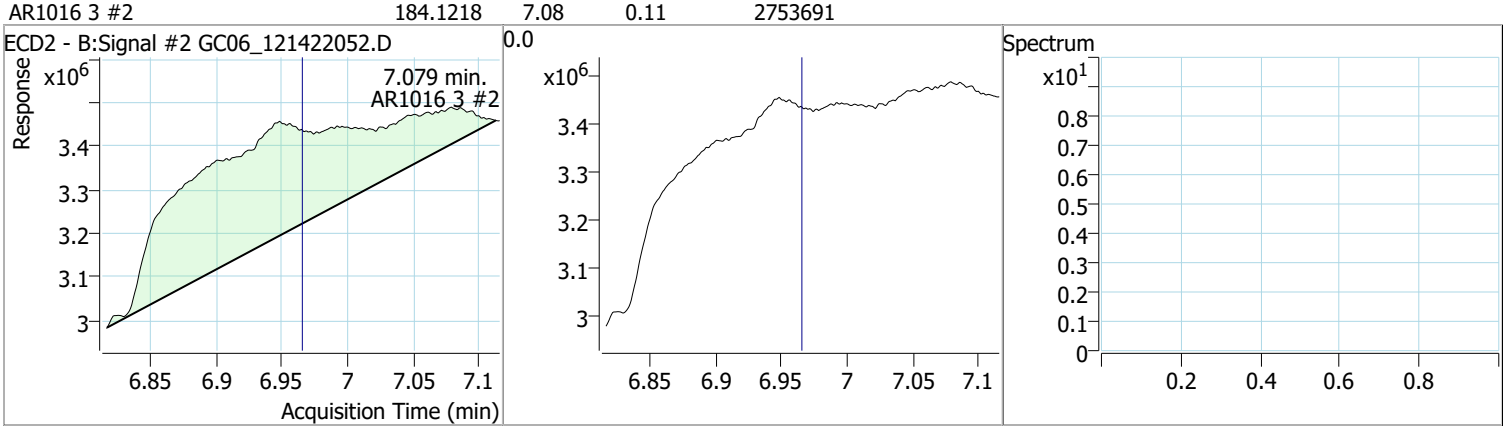
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	140.7003	6.47	0.08	1158106				



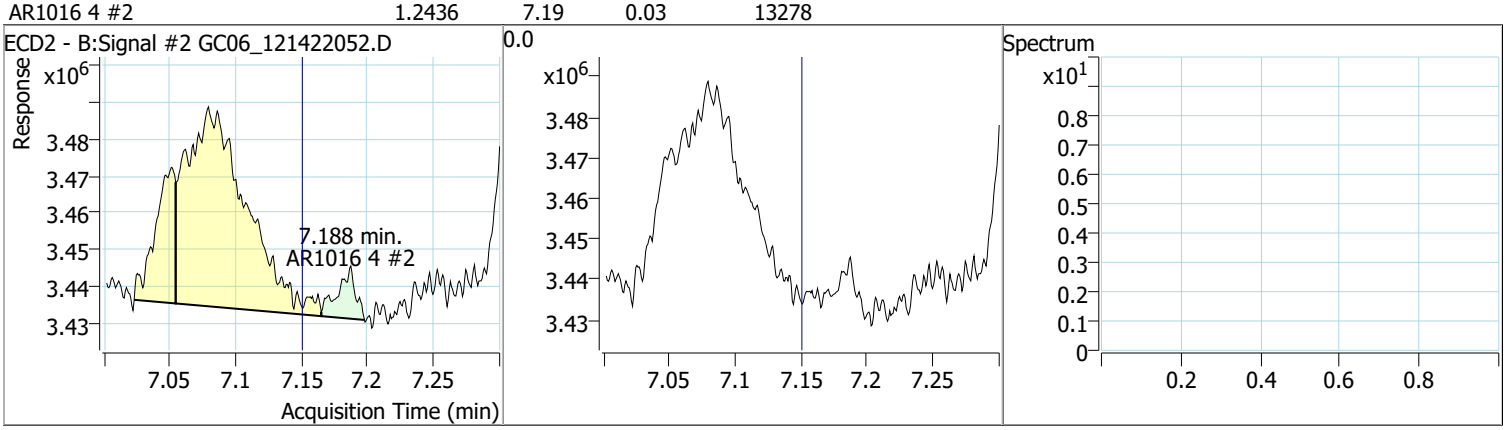
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	710.4416	6.67	0.10	1385808				



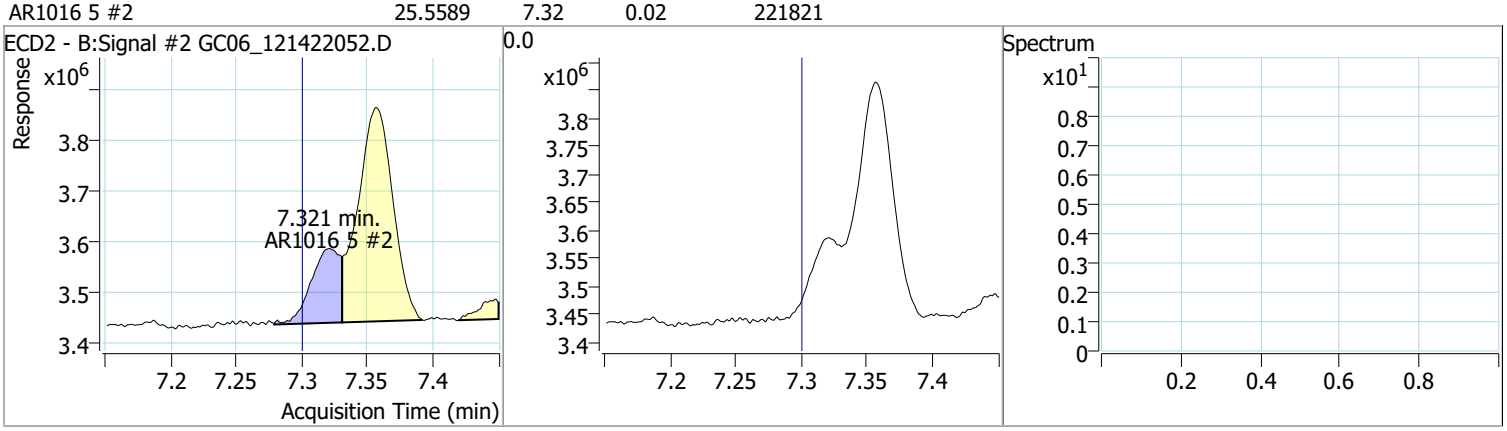
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	184.1218	7.08	0.11	2753691				



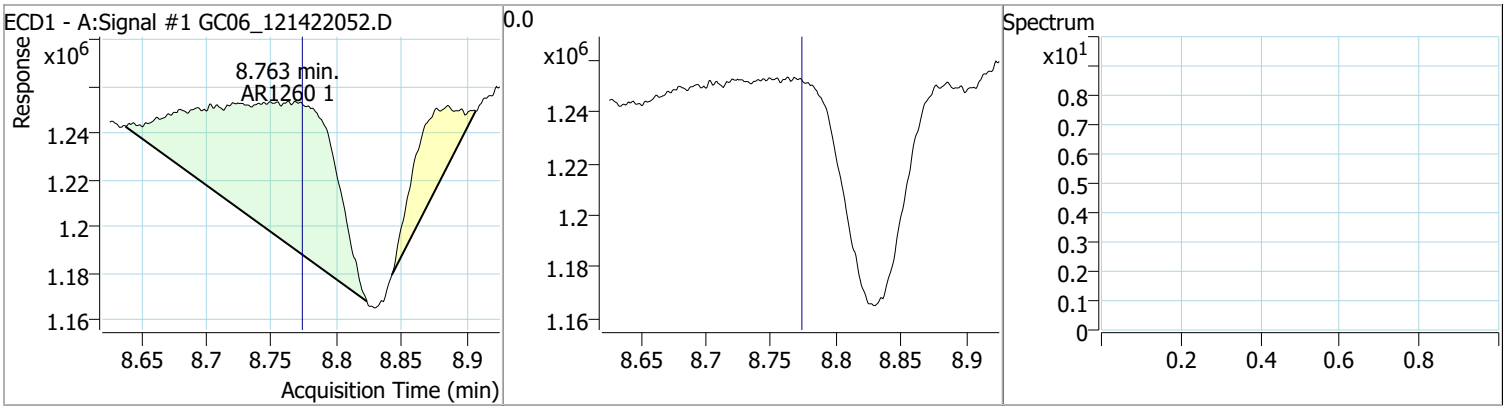
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.2436	7.19	0.03	13278				



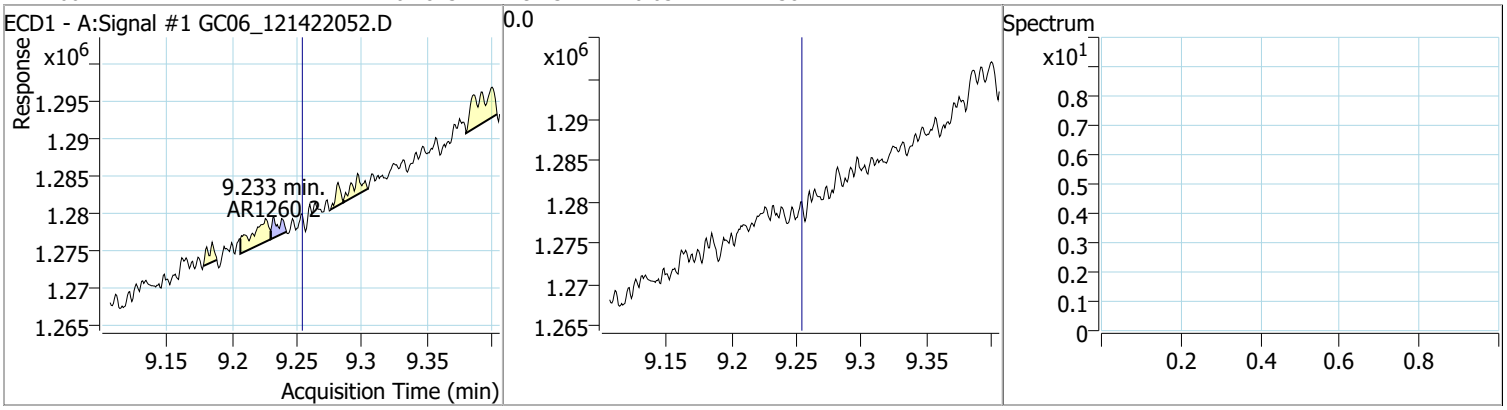
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	25.5589	7.32	0.02	221821				



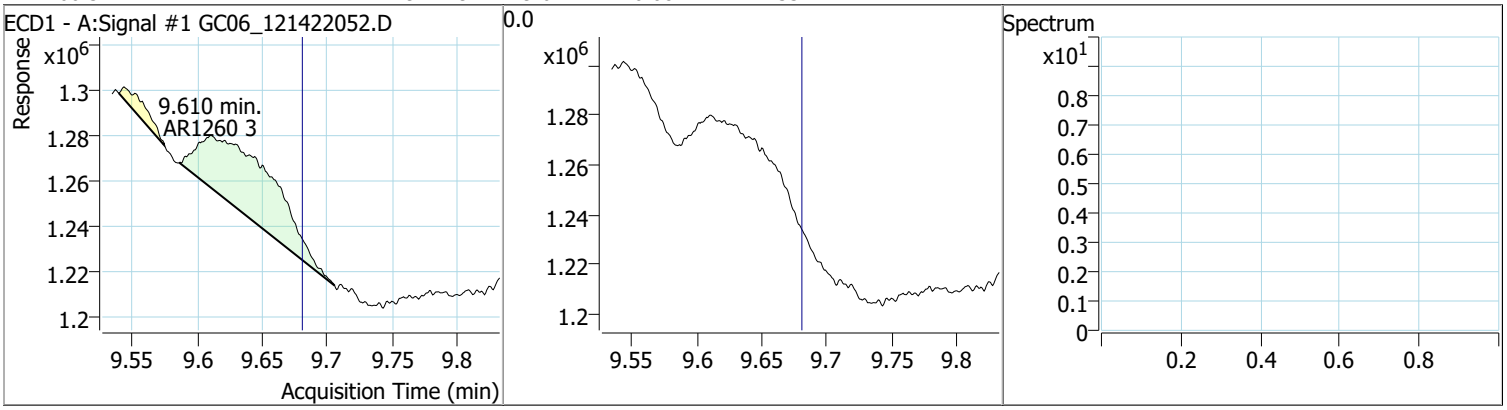
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	100.1933	8.76	-0.02	405788				



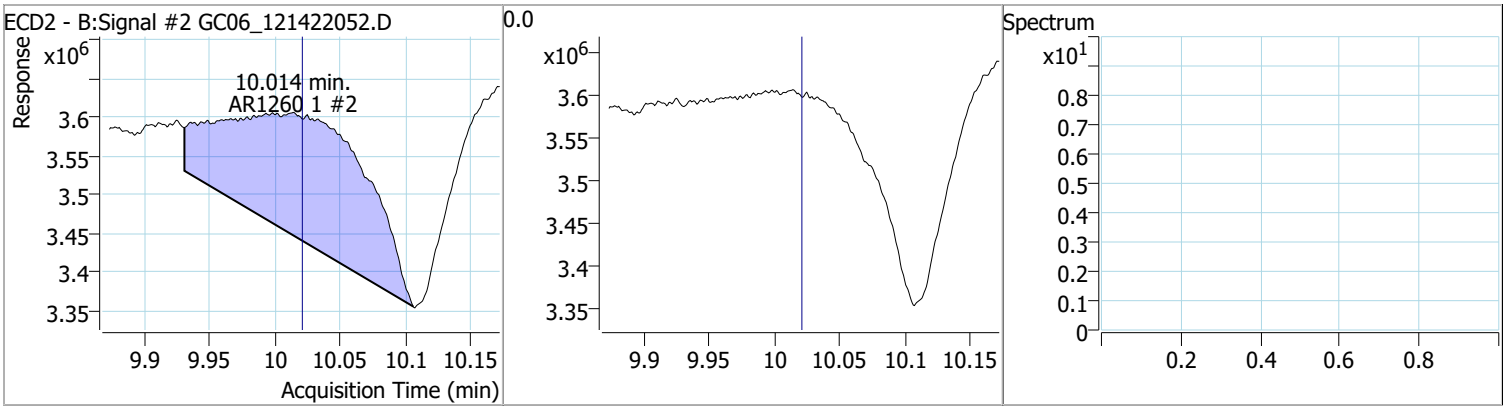
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.1843	9.23	-0.03	1138				



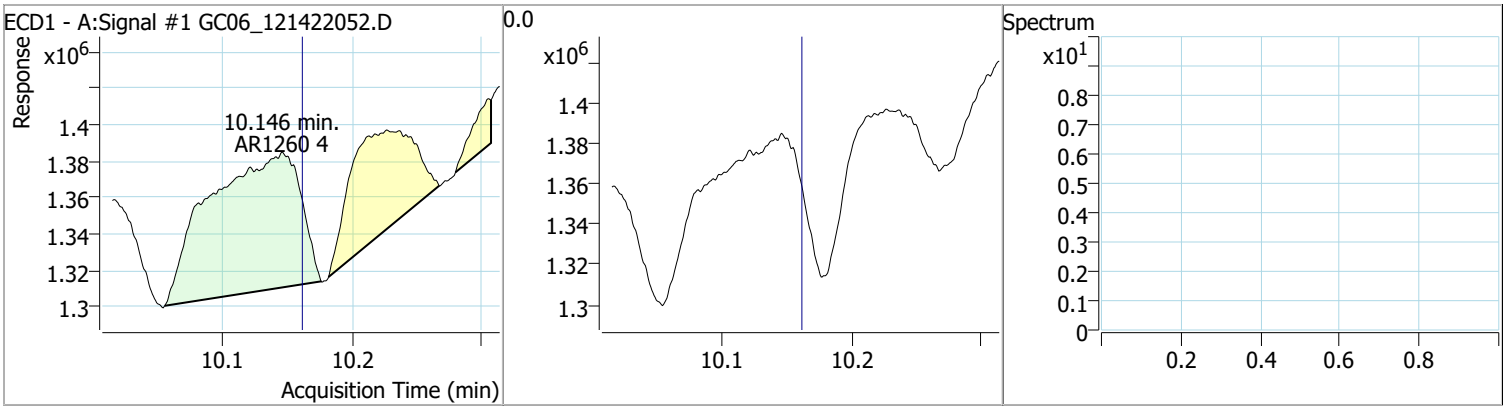
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	19.1219	9.61	-0.08	123377				



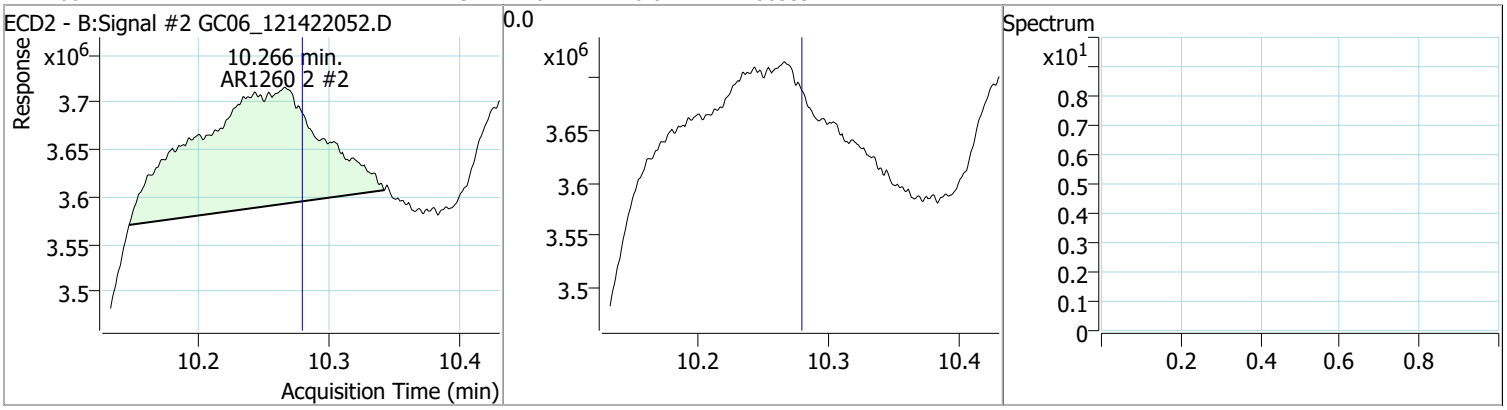
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	76.4751	10.01	-0.01	1248602				



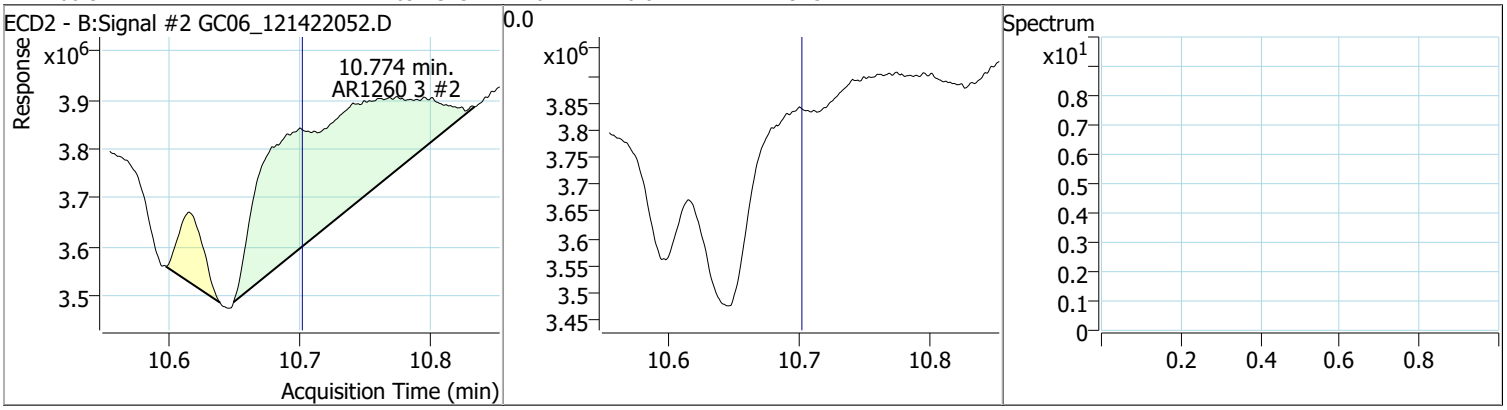
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	92.8565	10.15	-0.02	369059				



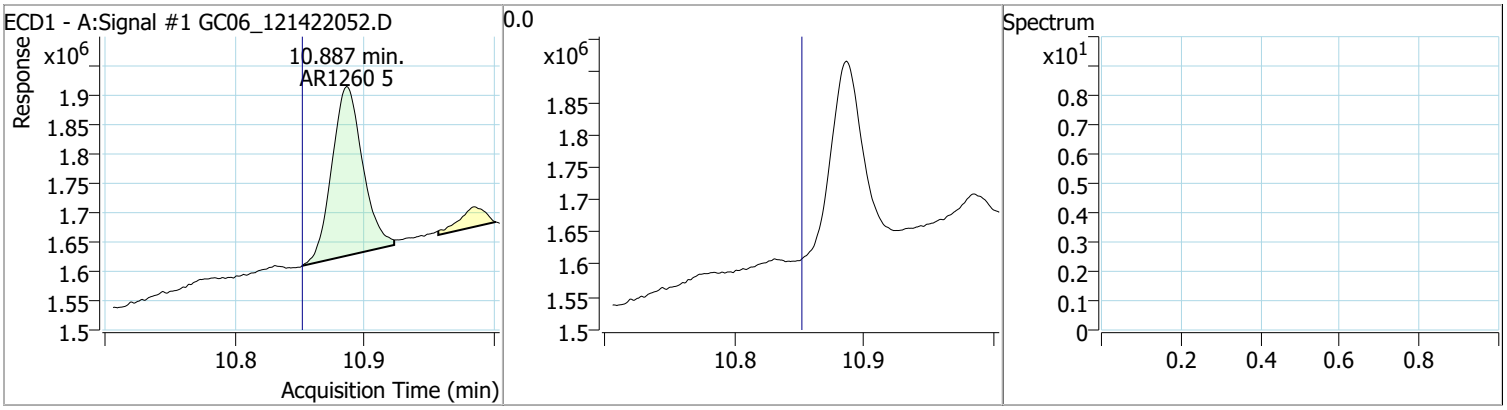
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	44.1243	10.27	-0.02	865592				



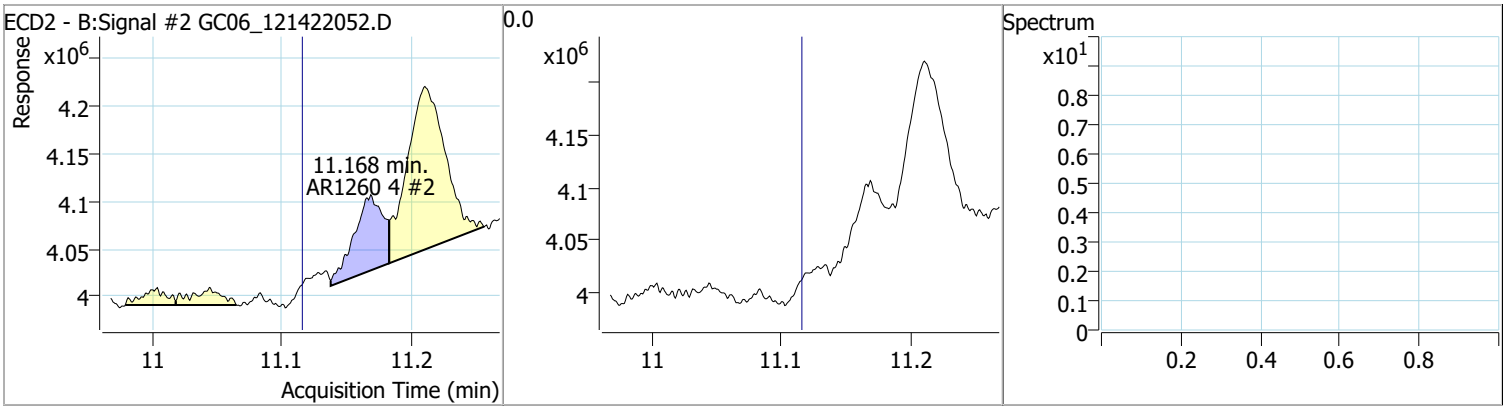
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	69.2343	10.77	0.07	1719157				



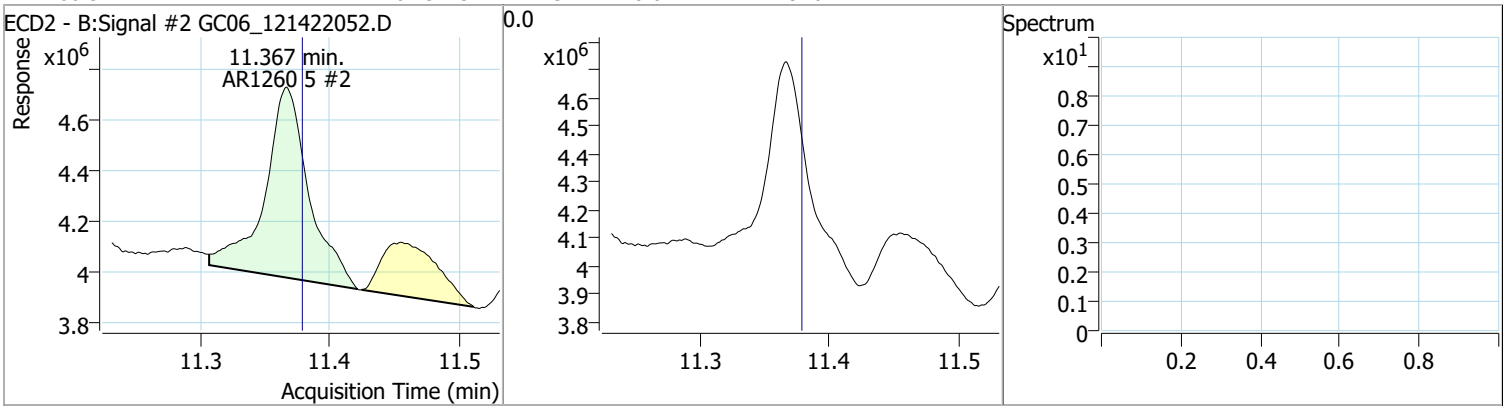
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	48.5915	10.89	0.03	479036				



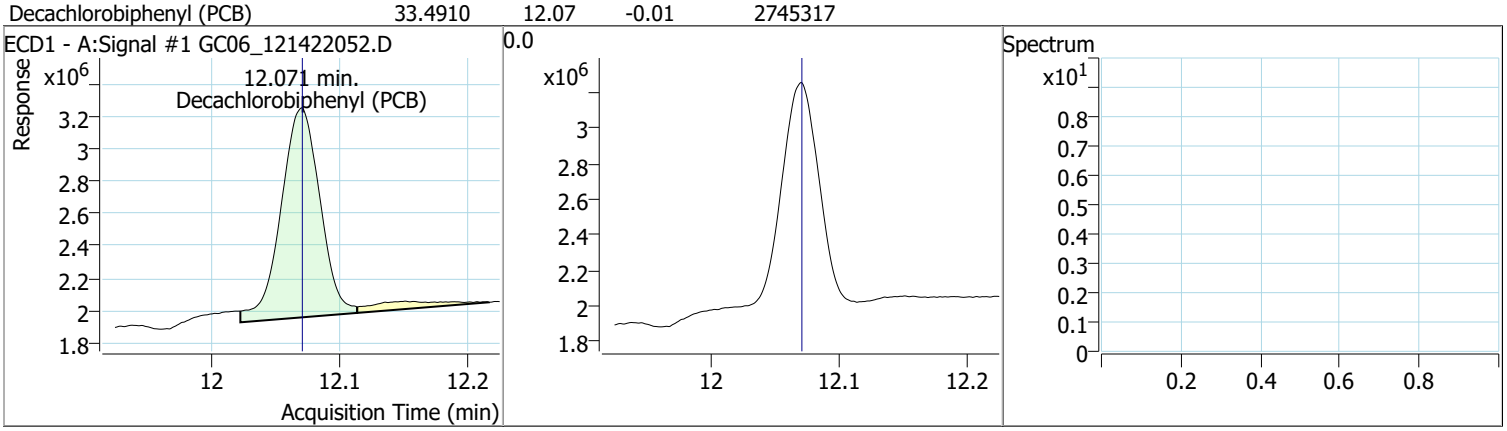
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.17	0.05	122721				



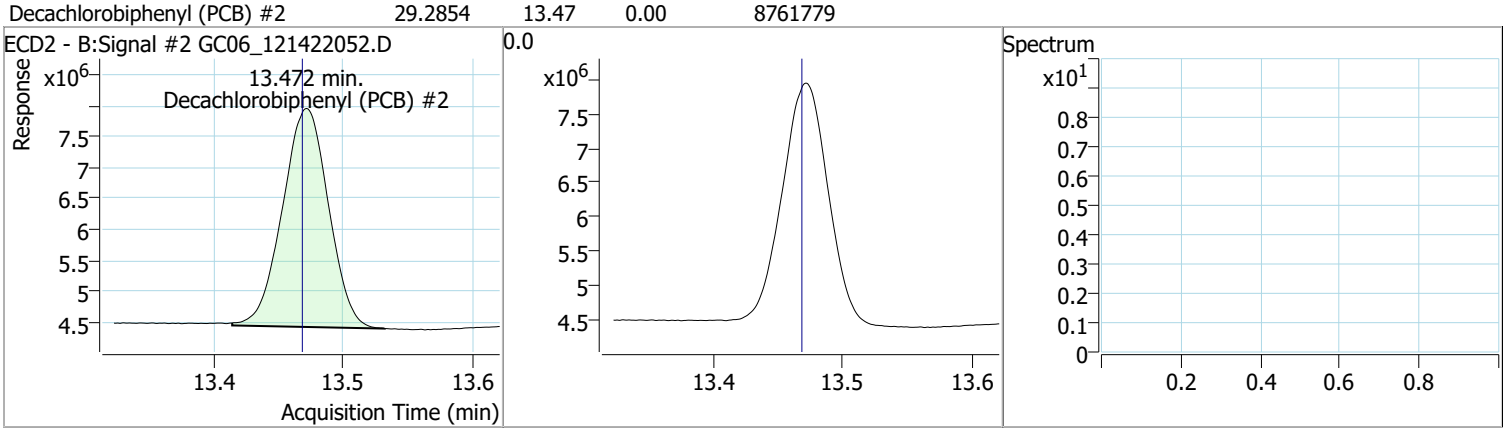
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	67.5745	11.37	-0.02	1779462				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	33.4910	12.07	-0.01	2745317				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	29.2854	13.47	0.00	8761779				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474711-018	Client ID:	20221209-2C-09-DUP
Seqnum:	452501809023	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422023	Batch:	303181	Time:	14-DEC-2022 18:47
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	63.83	~~1.3~~ FP	2.4	60%	0.50		x u
Aroclor-1016 Peak # 1	B	263.8	5.28	3.53	40%			
Aroclor-1016 Peak # 2	B	25.81	0.52	ND	214%			
Aroclor-1016 Peak # 3	B	27.61	0.55	0.56	1%			
Aroclor-1016 Peak # 4	B	0.2260	0.00	0.02	133%			
Aroclor-1016 Peak # 5	B	1.710	0.03	7.80	198%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	39.87	~~0.80~~ FP	0.50	46%	0.50		x u
Aroclor-1260 Peak # 1	B	44.18	0.88	0.64	33%			
Aroclor-1260 Peak # 2	B	55.12	1.10	ND				
Aroclor-1260 Peak # 3	B	3.840	0.08	0.03	100%			
Aroclor-1260 Peak # 4	B	-21.28	ND	0.88	577%			
Aroclor-1260 Peak # 5	B	117.5	2.35	0.95	85%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	19.51	0.5000	0.3902	78	52-121	u
Decachlorobiphenyl (PCB)	B	18.70	0.5000	0.3740	75	50-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5307613	4813934	-9.30
1-bromo-2-nitrobenzene (PCB)	A	1103956	1033144	-6.41

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

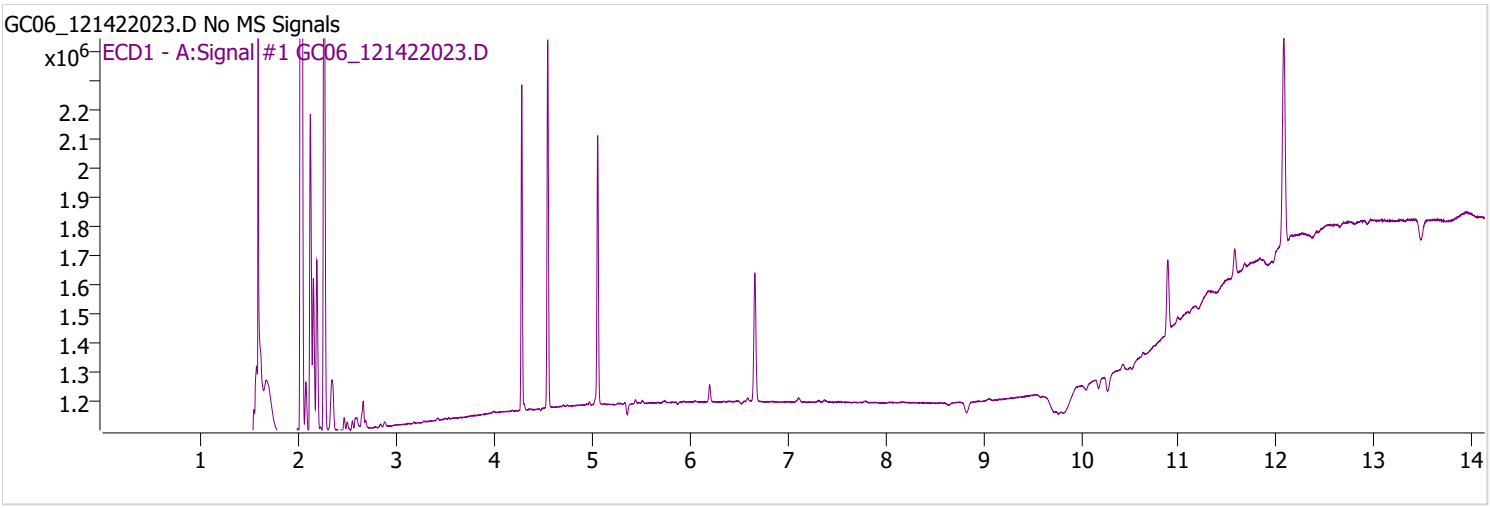
ISTD (CCV gc06_121422004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.28	-0.01

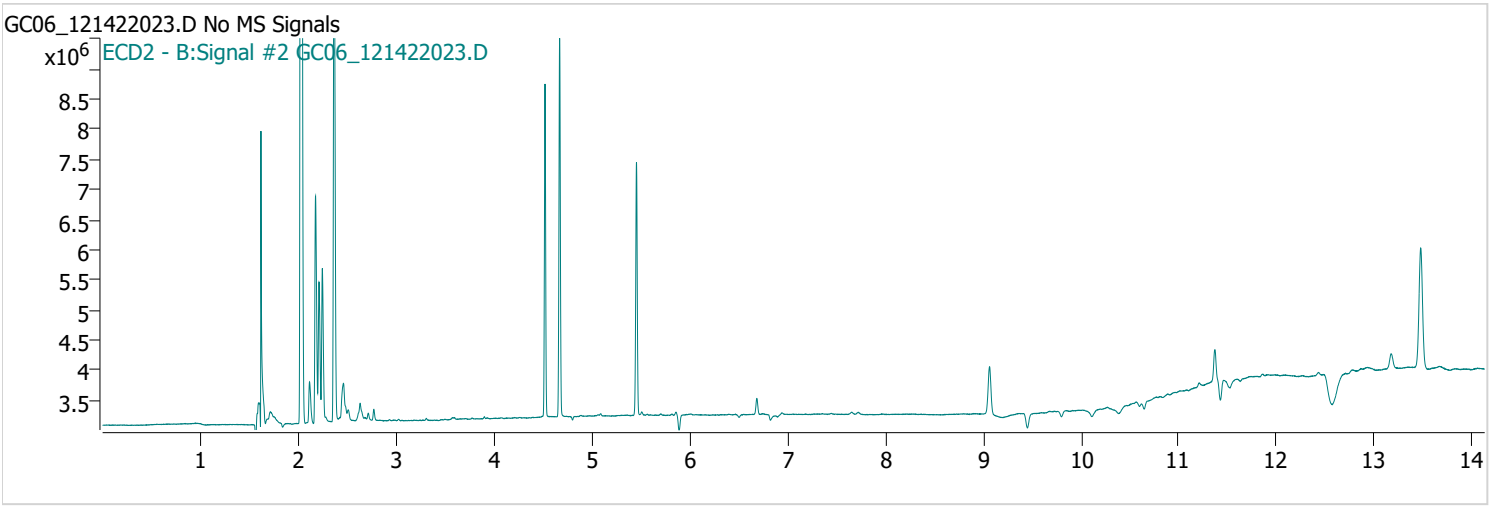
u=use x=false positive

Analyst: MES 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422023.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 6:47:53 PM
Sample Name	474711-018, 303181, 1	Instrument	SVOA-GC06
Vial	12	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



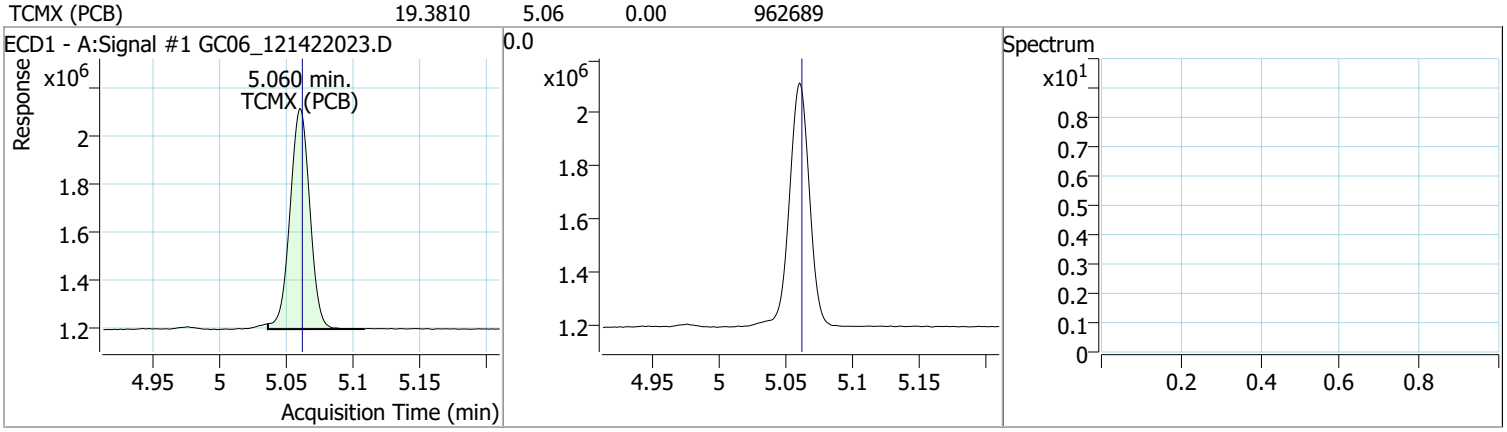


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	1033143.917	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	4813934.146	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.060	0.0	962688.543	19.3810	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 96.91%		
S TCMX (PCB) #2	5.457	0.0	4510266.623	19.5092	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.55%		
S Decachlorobiphenyl (PCB)	12.073	0.0	1552396.230	20.4695	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 102.35%		
S Decachlorobiphenyl (PCB) #2	13.472	0.0	5095800.723	18.6982	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 93.49%		
Target Compounds						QValue
T AR1016 1	5.445	0.0	191332.605	176.6402	ng/ml	100

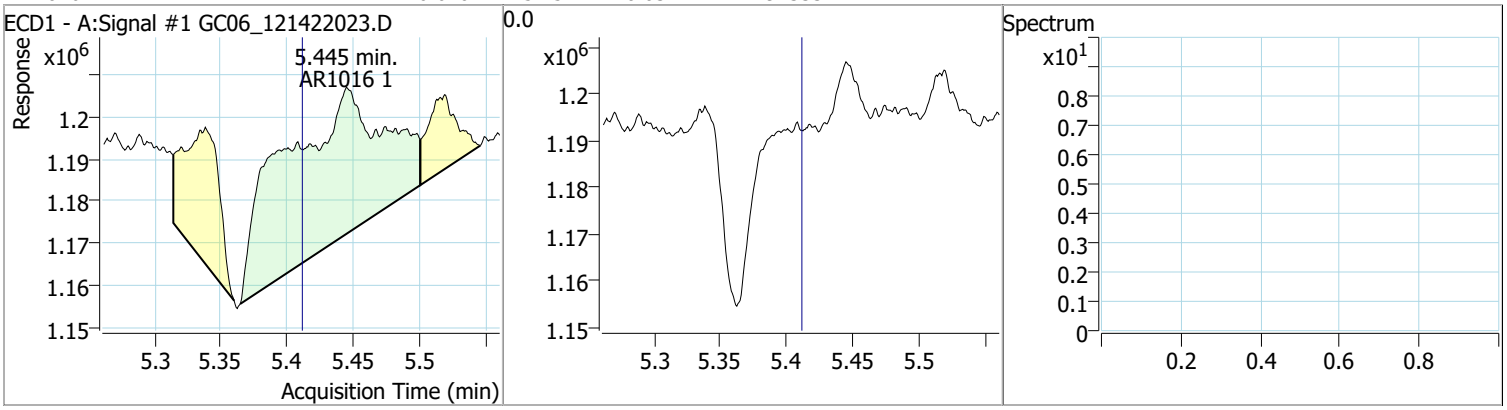
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.747	0.0	31255.597	0.0000	ng/ml	100
T AR1016 1 #2	6.006	0.0	1319842.848	263.7984	ng/ml	100
T AR1016 3	6.205	0.0	76919.587	28.0085	ng/ml	100
T AR1016 4	6.349	0.0	2339.761	1.1202	ng/ml	100
T AR1016 2 #2	6.401	0.0	186421.277	25.8116	ng/ml	100
T AR1016 5	6.667	0.0	656458.076	390.1969	ng/ml	100
T AR1016 3 #2	6.944	0.0	362394.096	27.6149	ng/ml	100
T AR1016 4 #2	7.138	0.0	2117.099	0.2260	ng/ml	100
T AR1016 5 #2	7.282	0.0	13024.288	1.7103	ng/ml	100
T AR1260 1	8.772	0.0	111117.442	31.8107	ng/ml	100
T AR1260 2	0.000		0	N.D.		
T AR1260 3	9.742	0.0	7116.810	1.2789	ng/ml	100
T AR1260 1 #2	10.015	0.0	632919.841	44.1792	ng/ml	100
T AR1260 4	10.153	0.0	174385.679	43.8907	ng/ml	100
T AR1260 2 #2	10.269	0.0	948850.160	55.1232	ng/ml	100
T AR1260 3 #2	10.618	0.0	83666.561	3.8400	ng/ml	100
T AR1260 5	10.888	0.0	406661.196	47.5428	ng/ml	100
T AR1260 4 #2	11.078	0.0	28332.132	0.0000	ng/ml	100
T AR1260 5 #2	11.369	0.0	2465716.944	117.5173	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

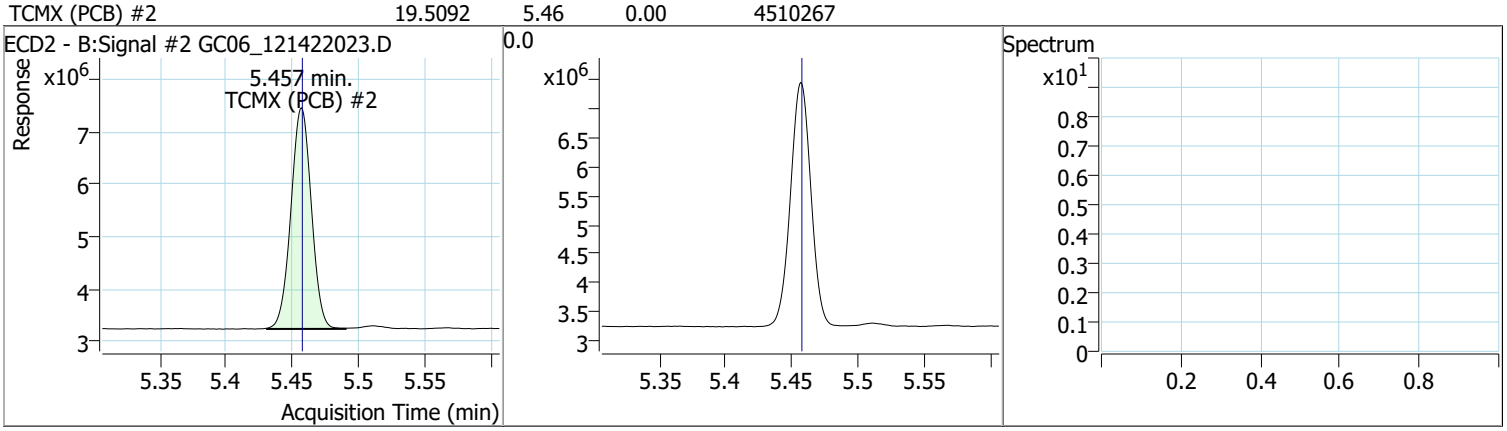
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	19.3810	5.06	0.00	962689				



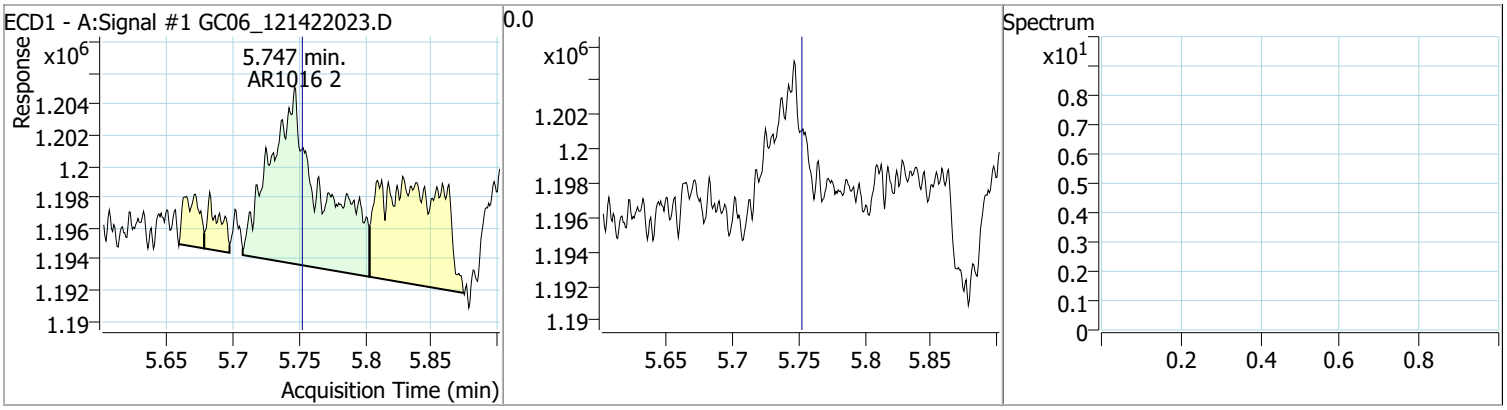
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	176.6402	5.45	0.03	191333				



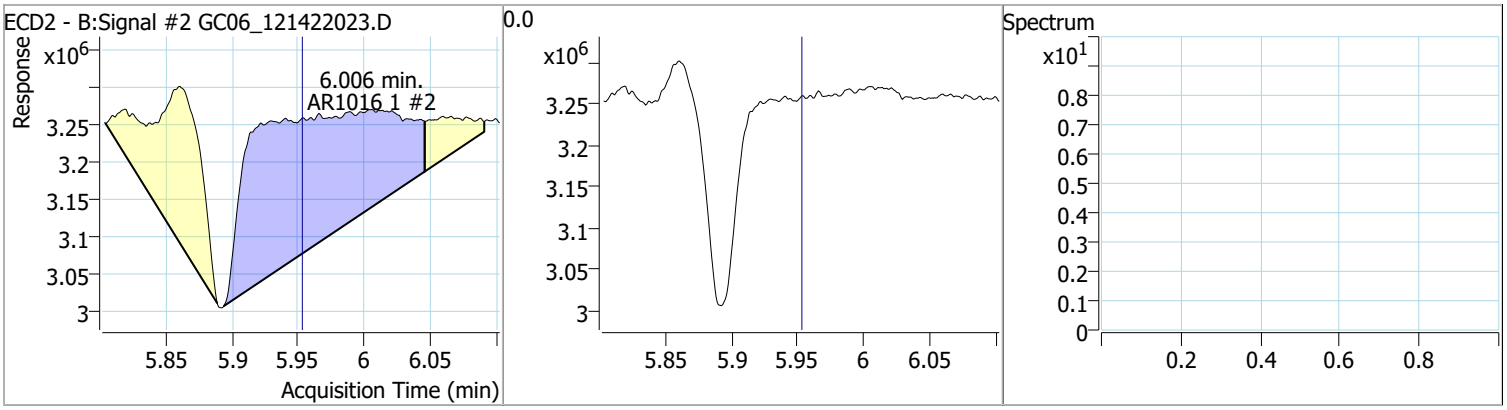
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	19.5092	5.46	0.00	4510267				



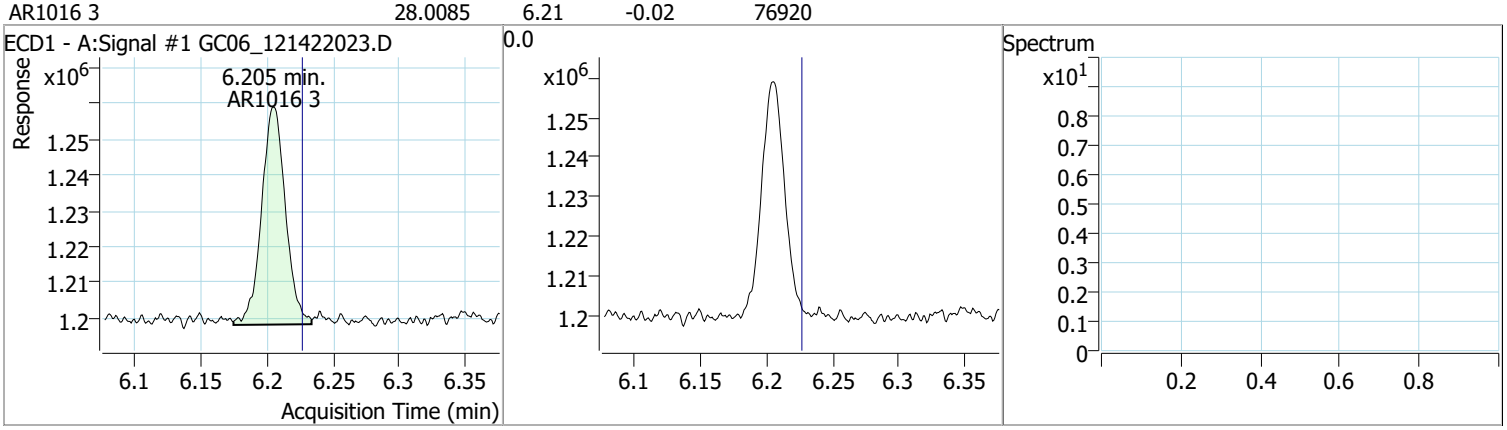
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.75	-0.01	31256				



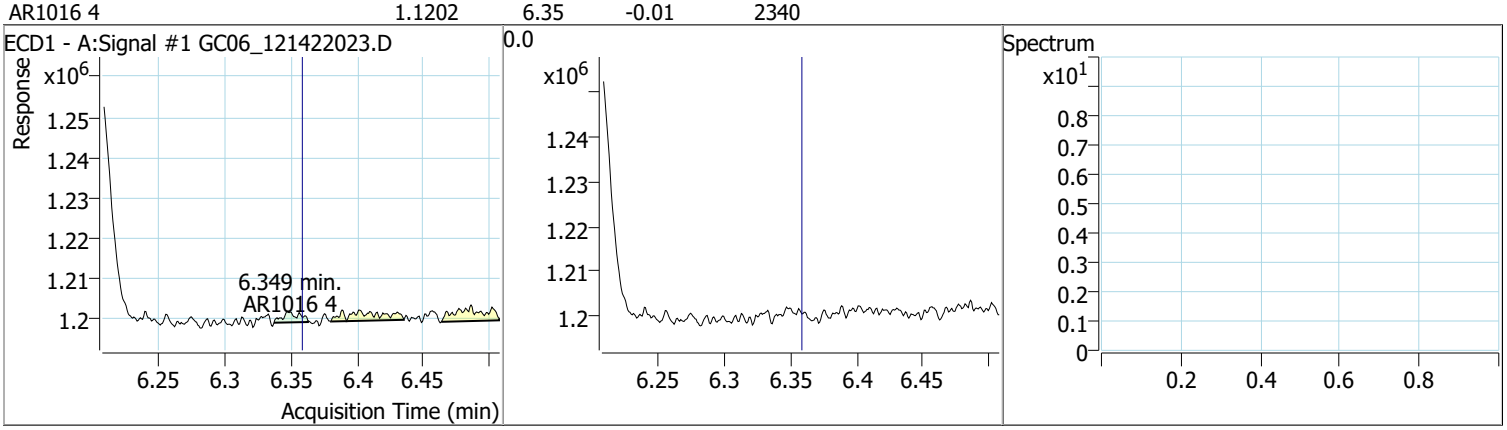
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	263.7984	6.01	0.05	1319843				



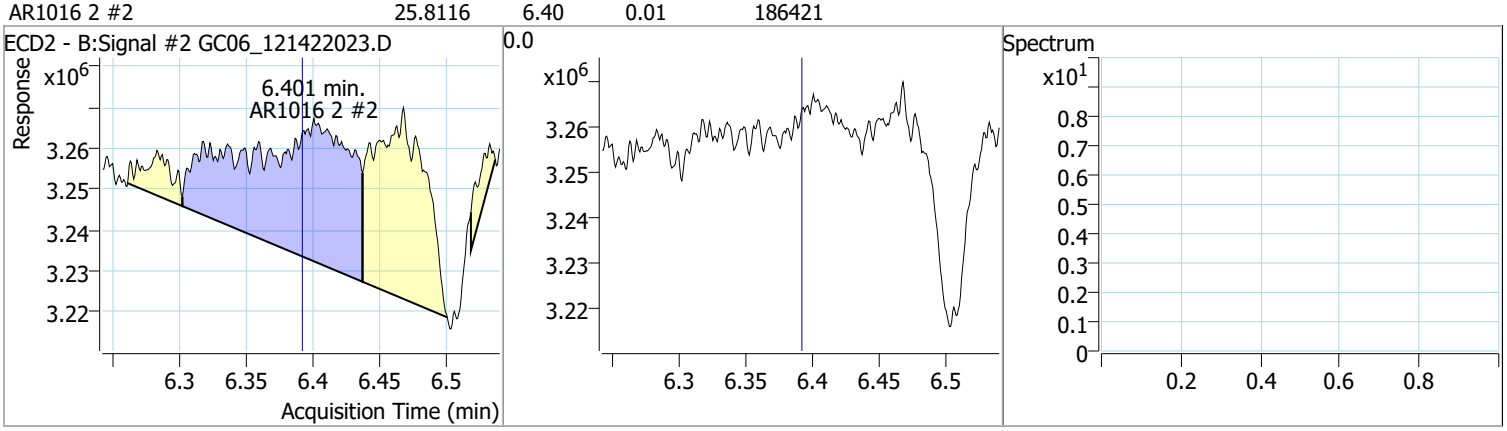
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	28.0085	6.21	-0.02	76920				



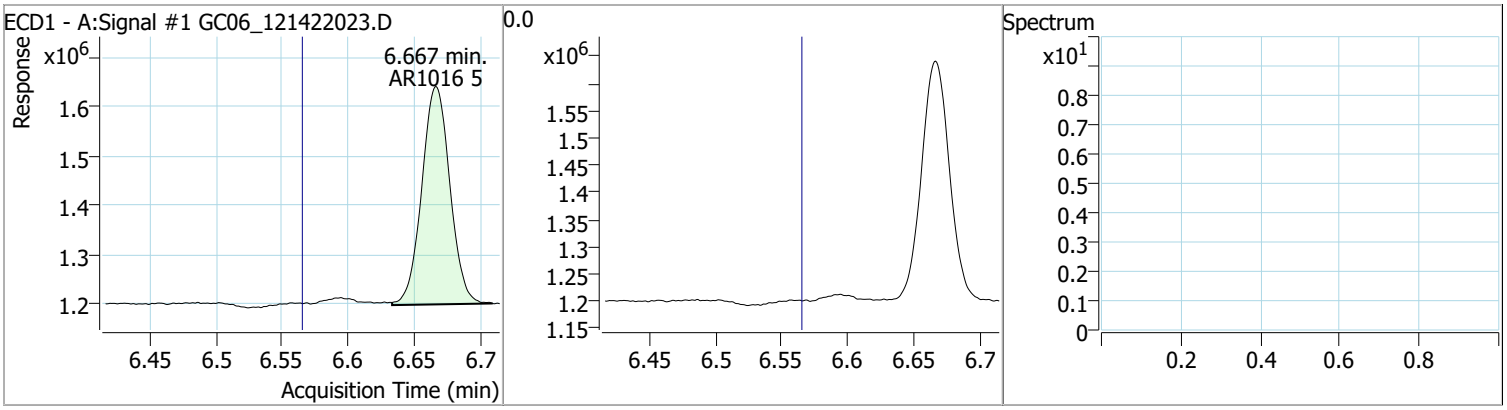
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1.1202	6.35	-0.01	2340				



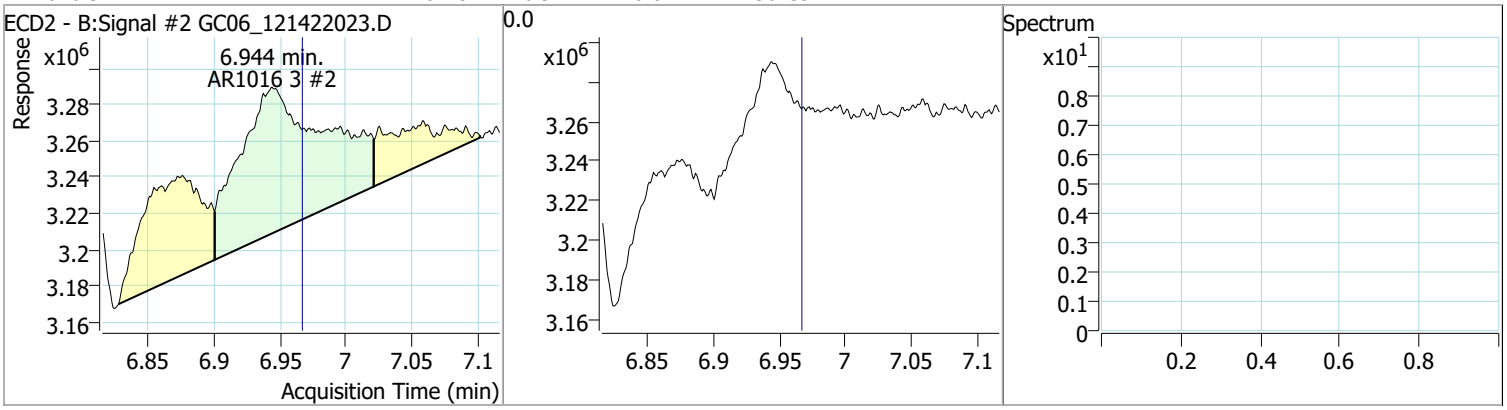
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	25.8116	6.40	0.01	186421				



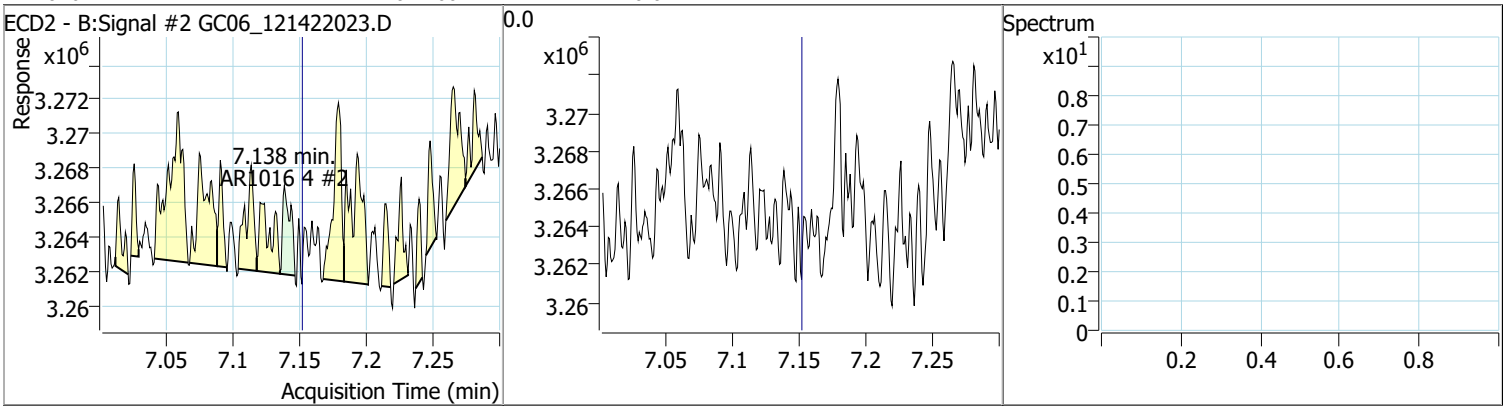
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	390.1969	6.67	0.10	656458				



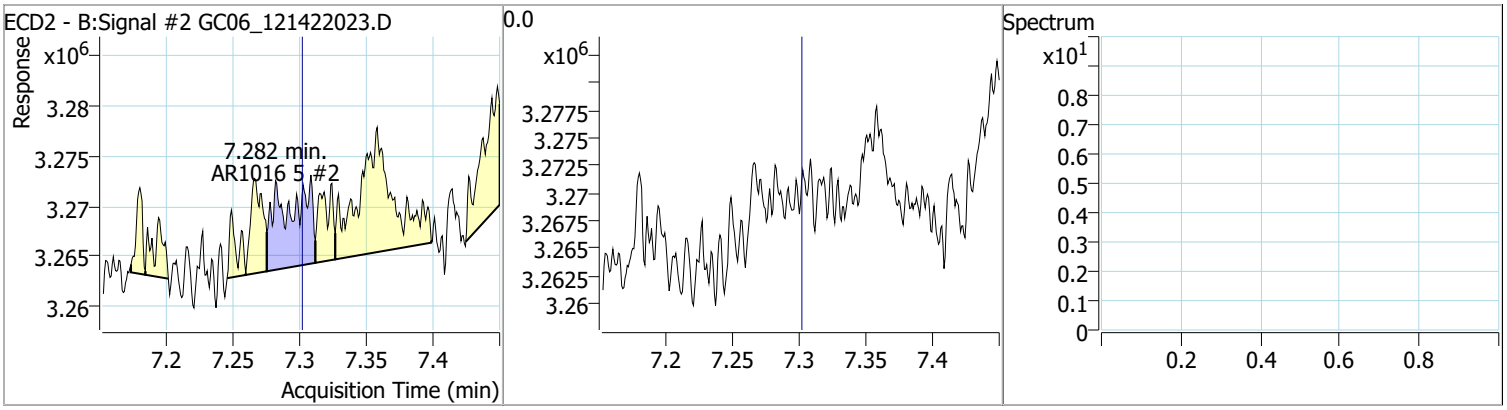
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	27.6149	6.94	-0.02	362394				



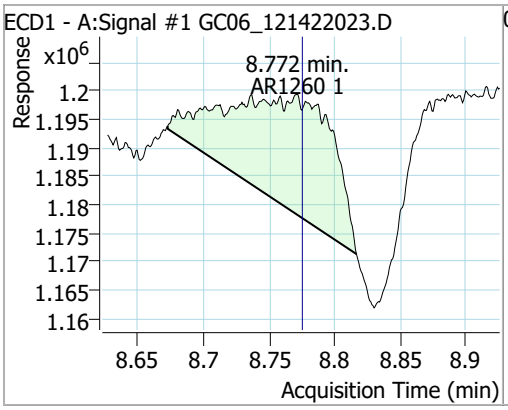
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.2260	7.14	-0.01	2117				

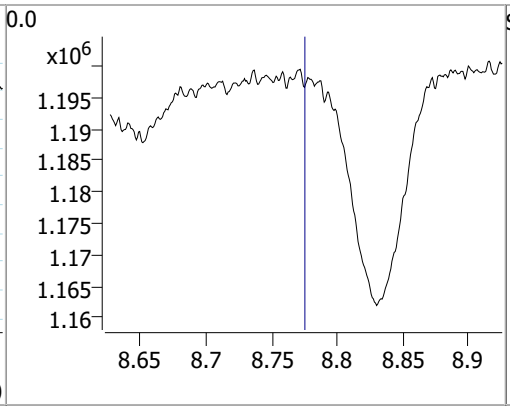


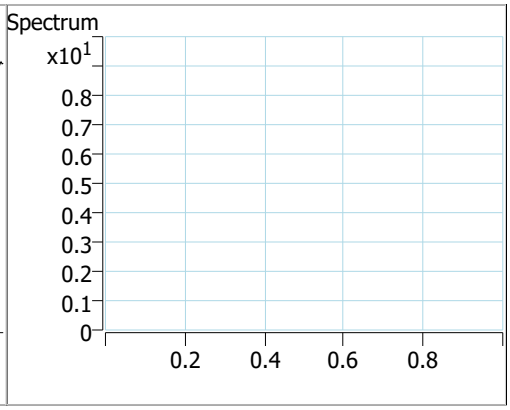
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.7103	7.28	-0.02	13024				



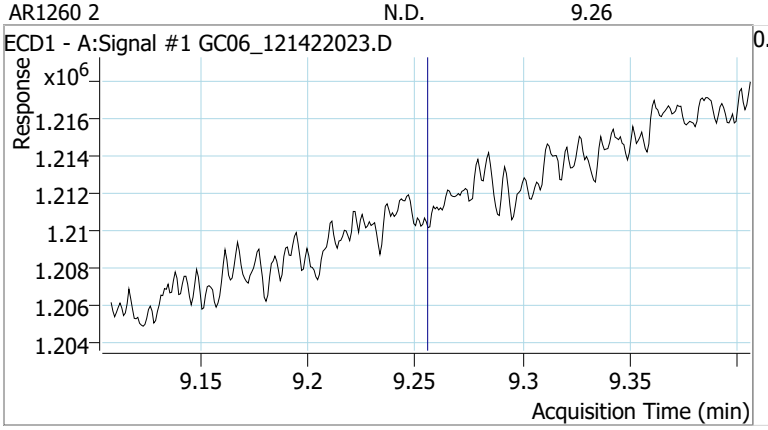
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	31.8107	8.77	-0.01	111117				

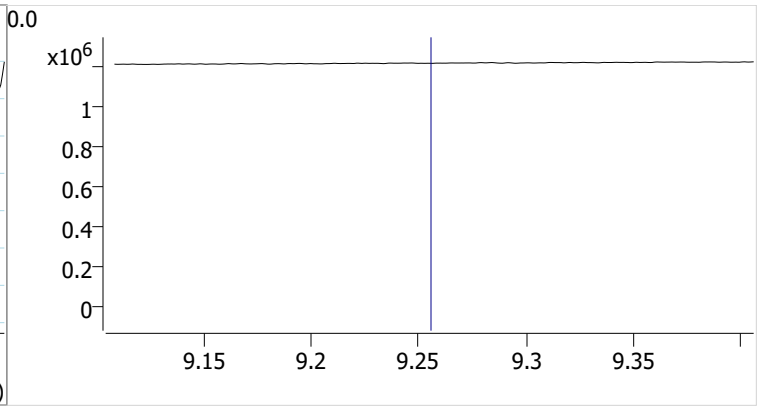




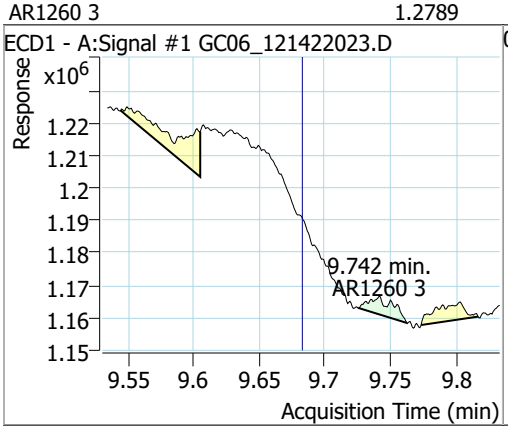


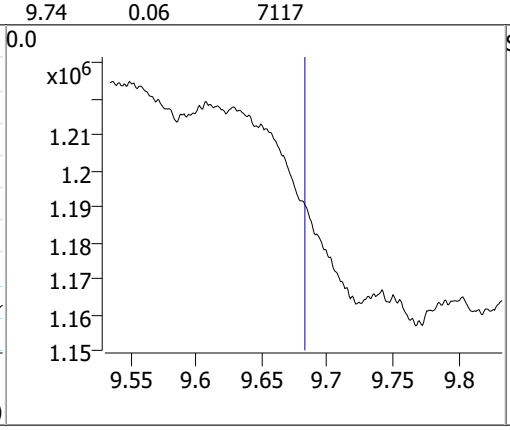
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 2	N.D.	9.26		

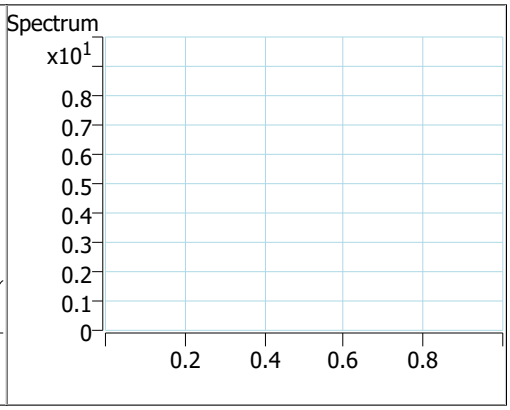




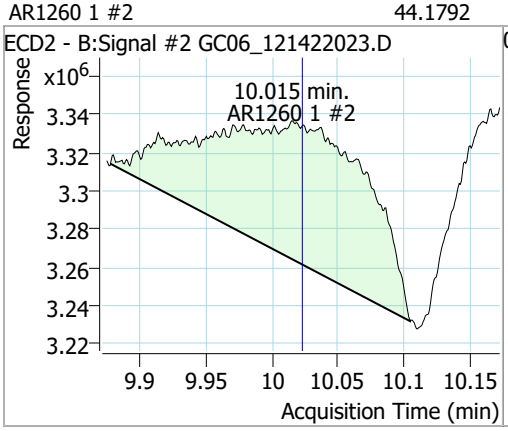
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1.2789	9.74	0.06	7117				

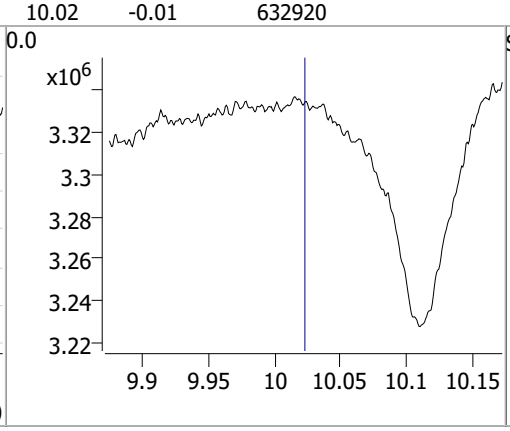


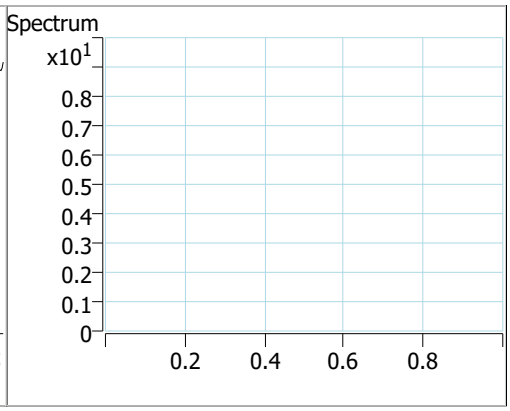




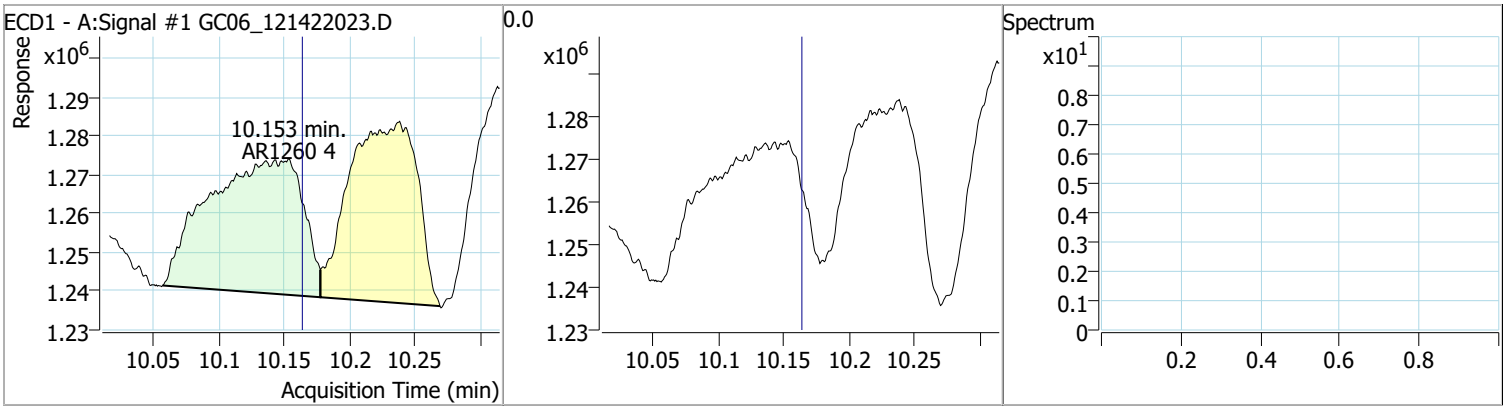
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	44.1792	10.02	-0.01	632920				



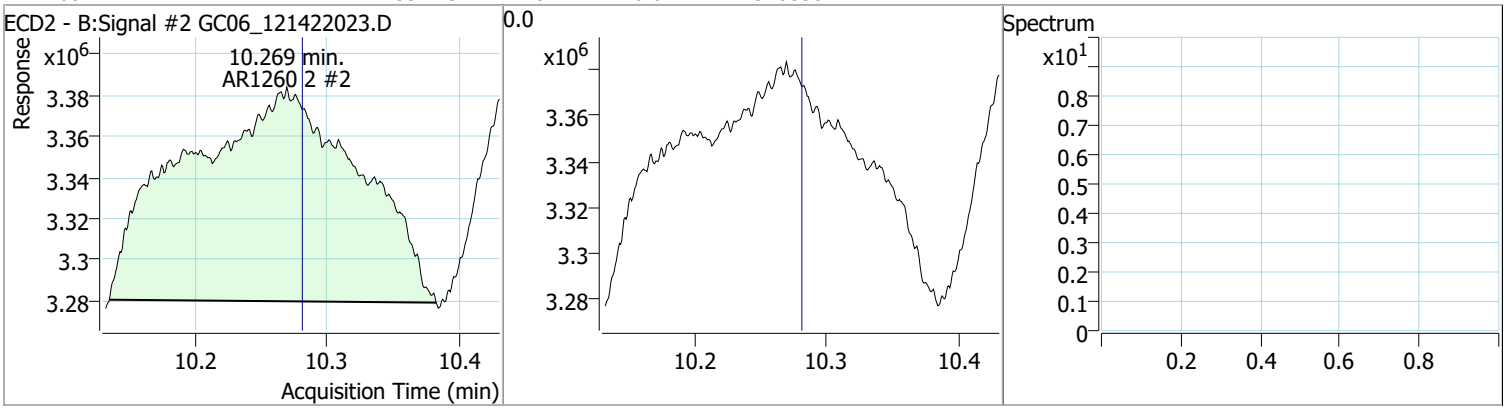




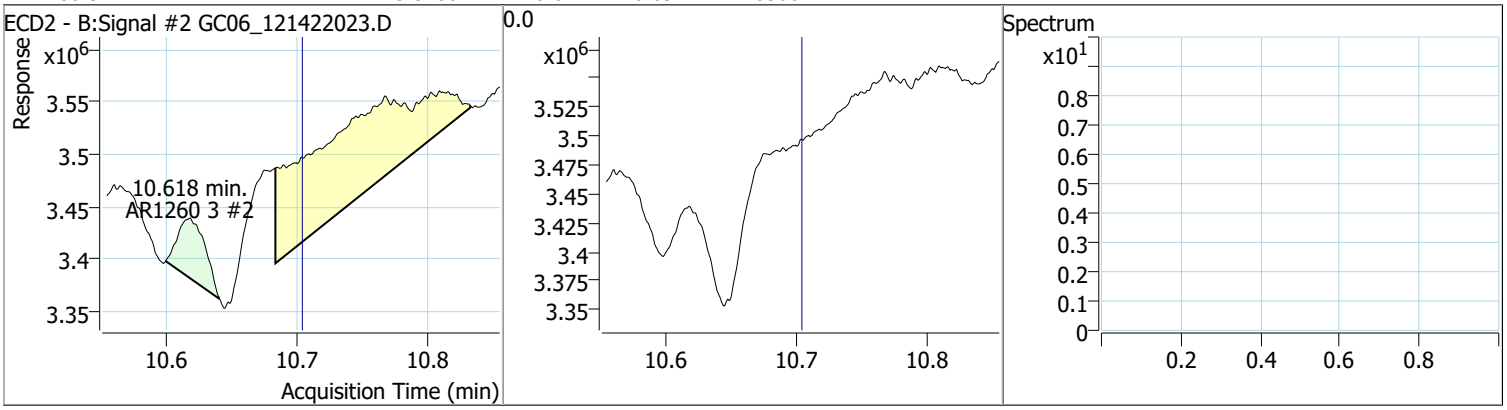
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	43.8907	10.15	-0.01	174386				



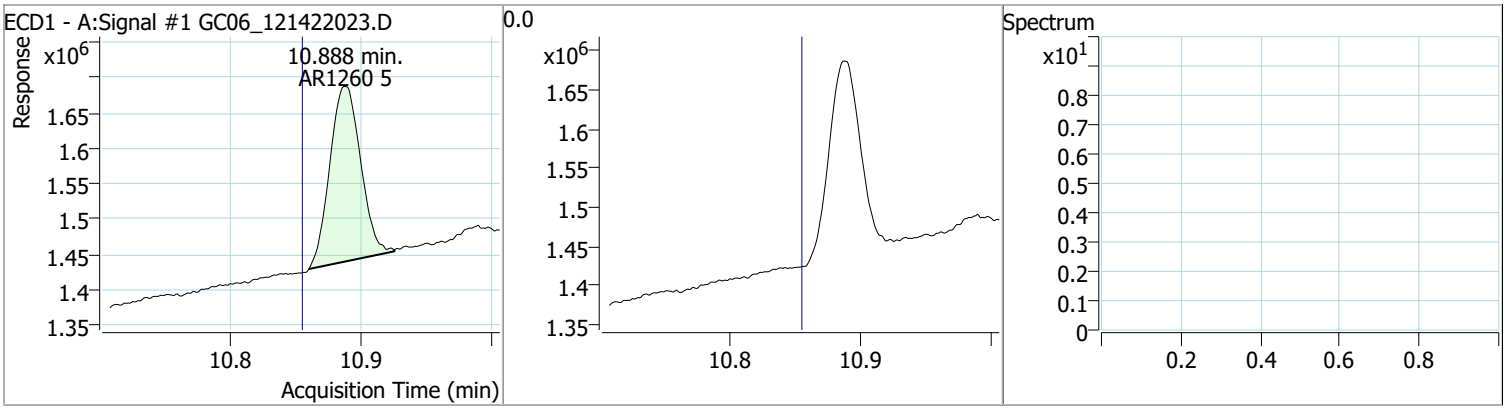
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	55.1232	10.27	-0.01	948850				



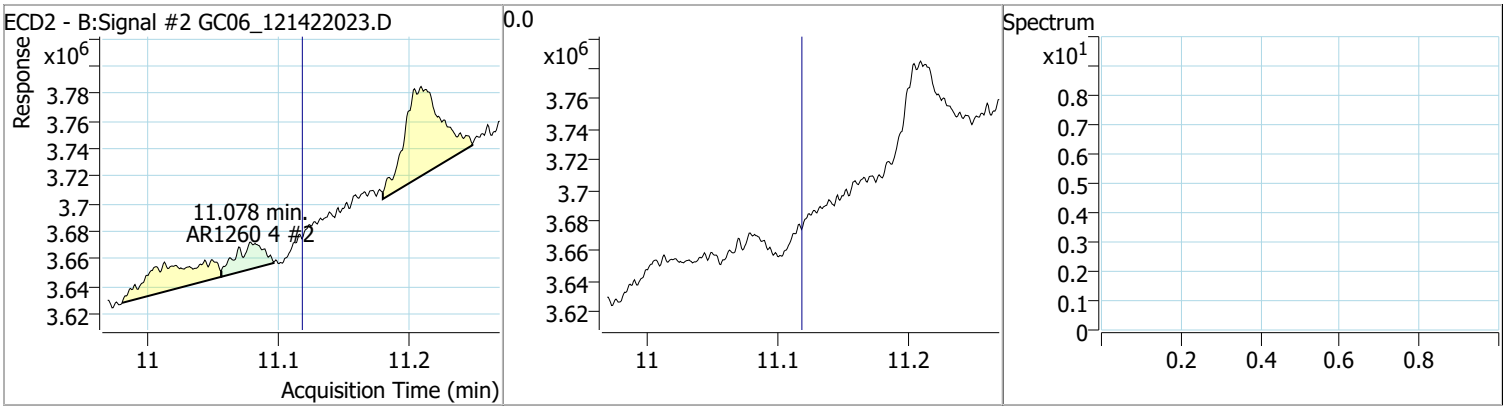
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	3.8400	10.62	-0.09	83667				



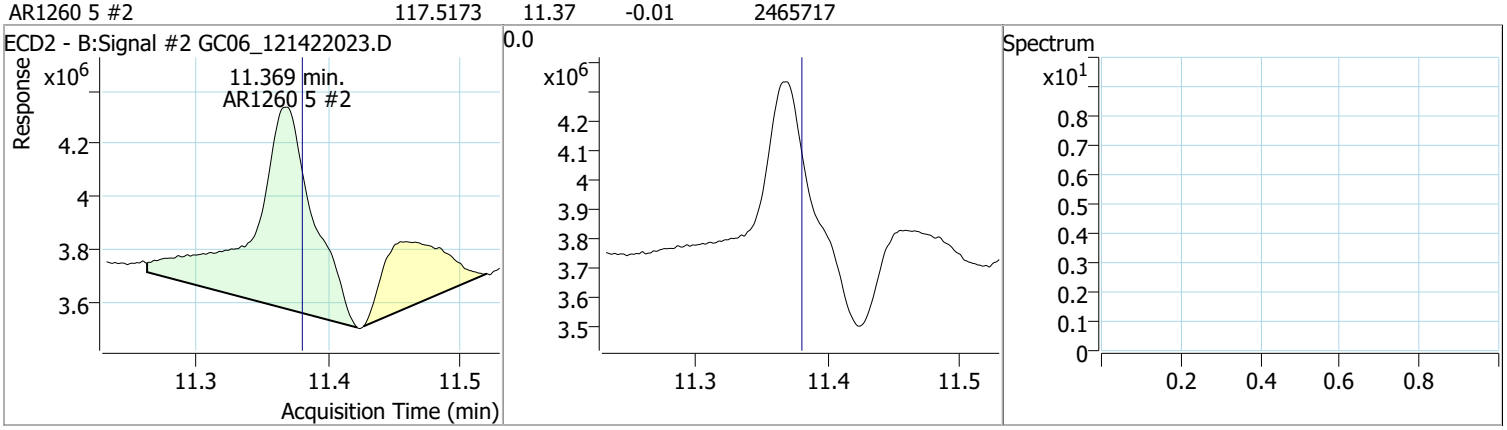
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	47.5428	10.89	0.03	406661				



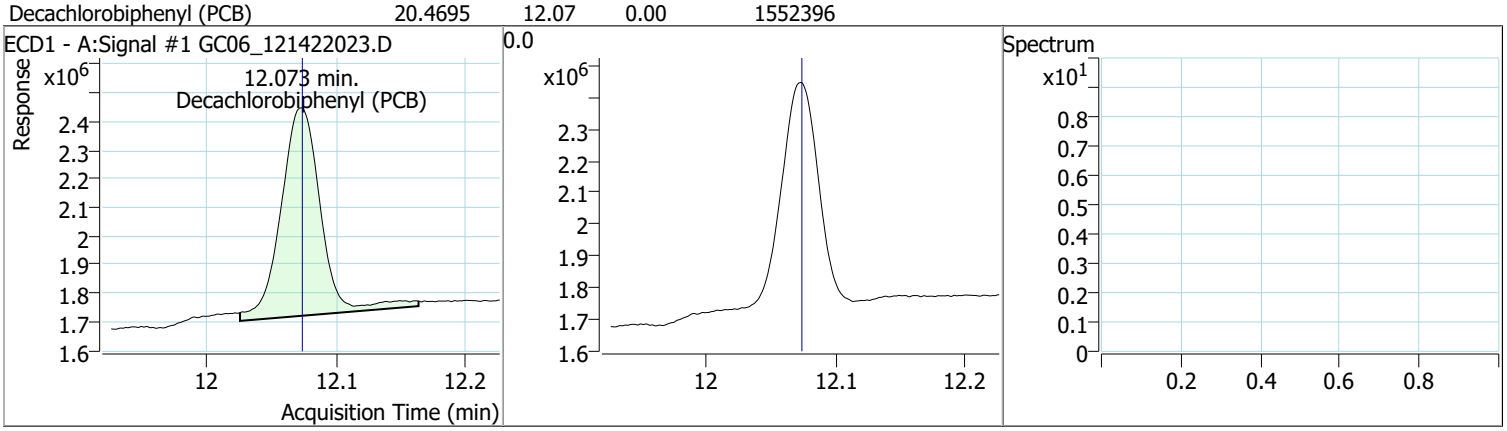
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.08	-0.04	28332				



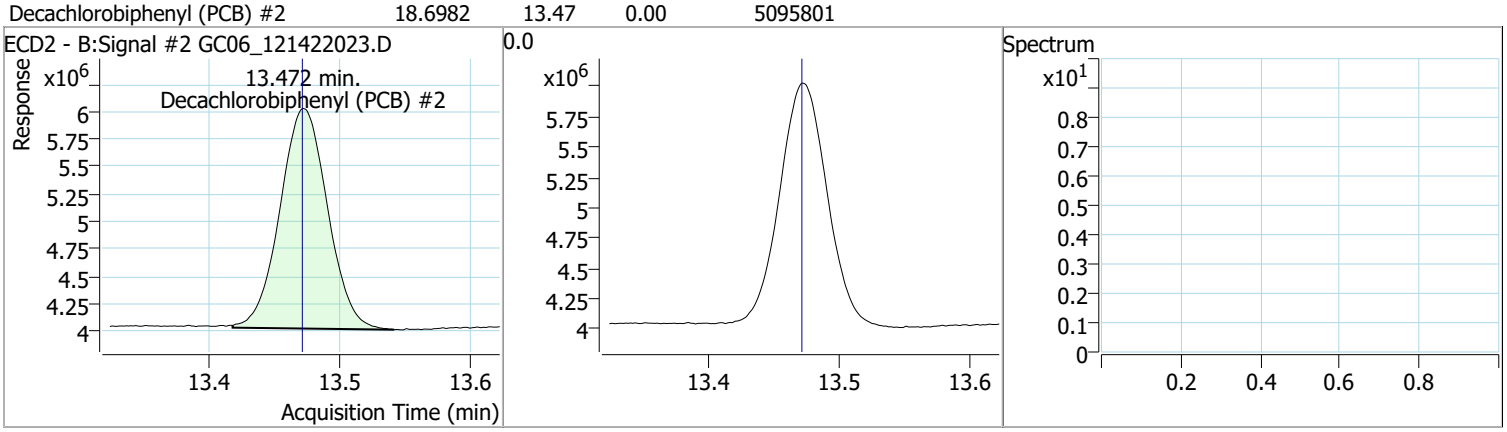
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	117.5173	11.37	-0.01	2465717				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	20.4695	12.07	0.00	1552396				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	18.6982	13.47	0.00	5095801				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474711-019	Client ID:	20221209-2C-10
Seqnum:	452501809053	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422053	Batch:	303182	Time:	15-DEC-2022 03:58
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	138.7	~~1.4~~ ~~FP~~	1.1	26%	0.50		x u
Aroclor-1016 Peak # 1	B	334.3	3.34	1.45	79%			
Aroclor-1016 Peak # 2	B	117.1	1.17	0.00	200%			
Aroclor-1016 Peak # 3	B	203.9	2.04	0.50	122%			
Aroclor-1016 Peak # 4	B	18.14	0.18	2.38	172%			
Aroclor-1016 Peak # 5	B	20.18	0.20	1.00	133%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	40.48	ND	0.57	34%	0.50		u
Aroclor-1260 Peak # 1	B	83.29	0.83	0.98	16%			
Aroclor-1260 Peak # 2	B	36.41	0.36	0.00	199%			
Aroclor-1260 Peak # 3	B	9.600	0.10	0.19	67%			
Aroclor-1260 Peak # 4	B	-21.60	ND	0.89	328%			
Aroclor-1260 Peak # 5	B	94.72	0.95	0.78	20%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	26.87	0.5000	0.2687	54	19-121	u
Decachlorobiphenyl (PCB)	B	26.26	0.5000	0.2626	53	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422036)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5560467	5492454	-1.22
1-bromo-2-nitrobenzene (PCB)	A	1170615	1204952	2.93

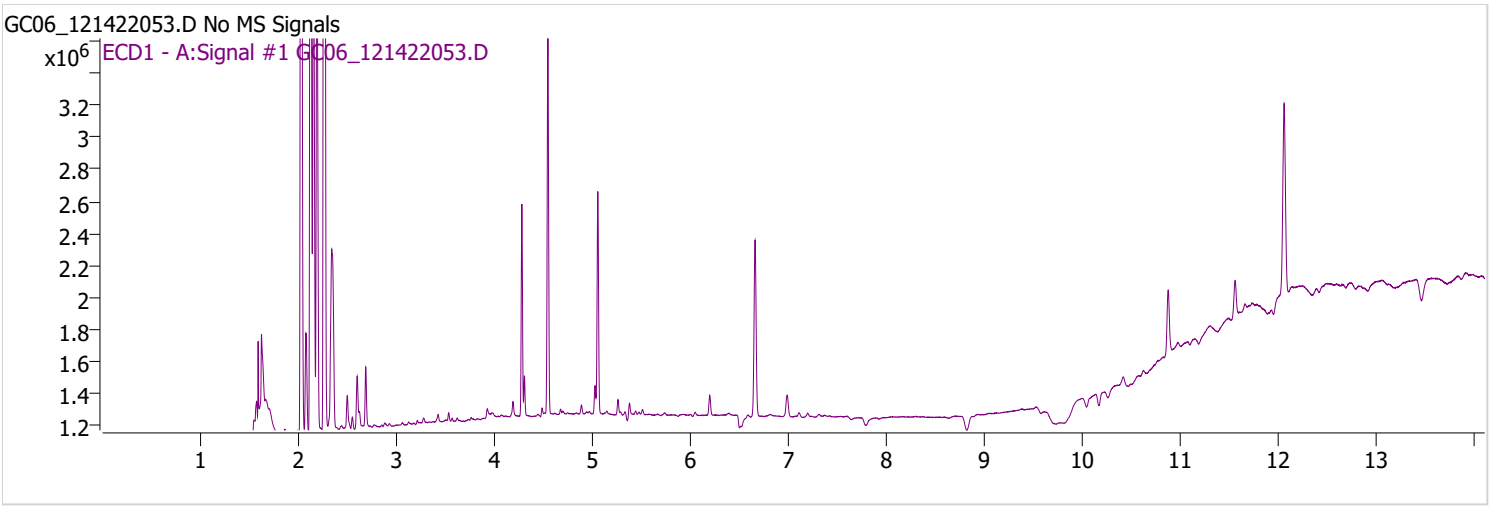
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

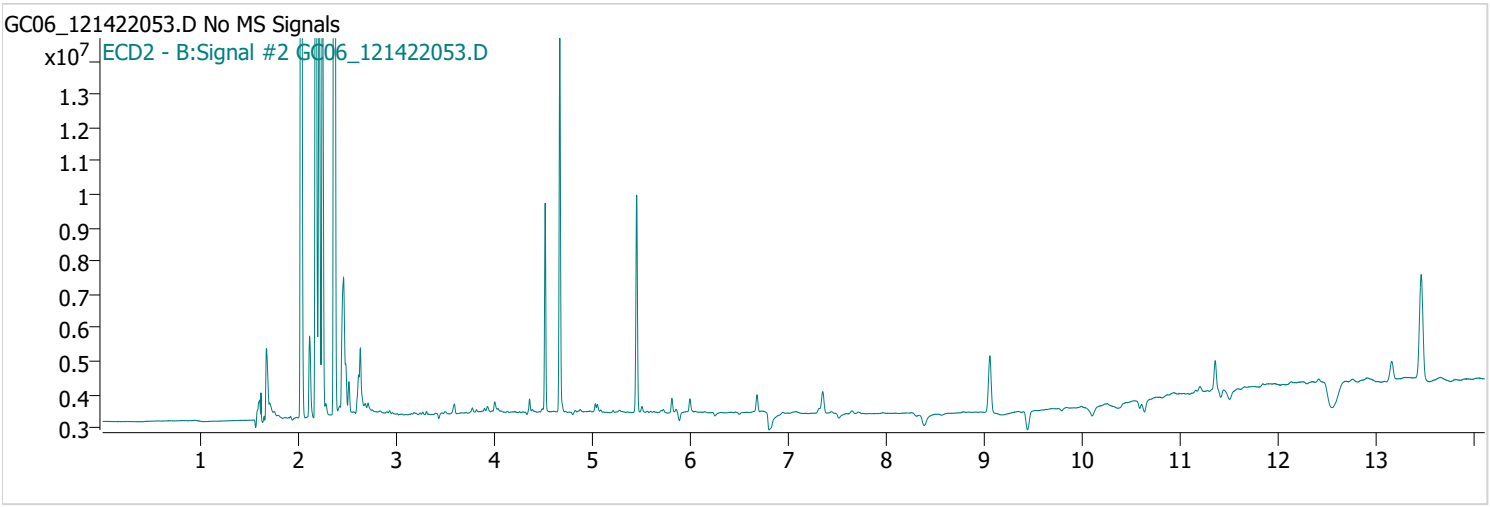
ISTD (CCV gc06_121422036)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

Analyst: MES 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422053.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 3:58:03 AM
Sample Name	474711-019, 303182, 1	Instrument	SVOA-GC06
Vial	36	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



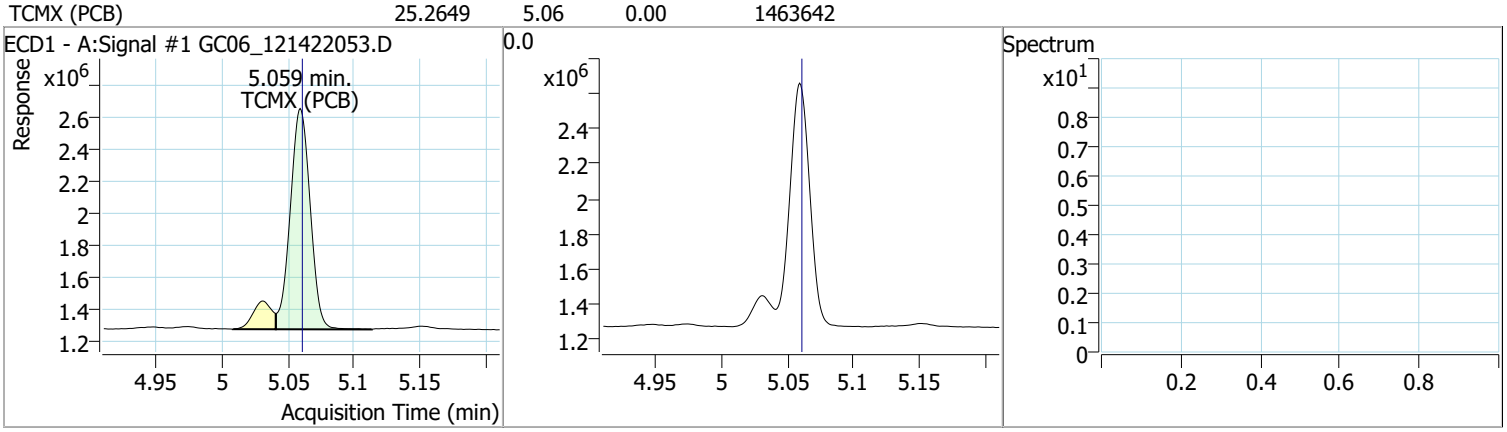


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.283	0.0	1204952.162	20.0000	ng/ml	-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	5492454.384	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.059	0.0	1463642.000	25.2649	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 126.32%		
S TCMX (PCB) #2	5.456	0.0	7088735.734	26.8744	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 134.37%		
S Decachlorobiphenyl (PCB)	12.071	0.0	2495137.814	29.8433	ng/ml	-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 149.22%		
S Decachlorobiphenyl (PCB) #2	13.472	0.0	7927175.644	26.2622	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 131.31%		
Target Compounds						QValue

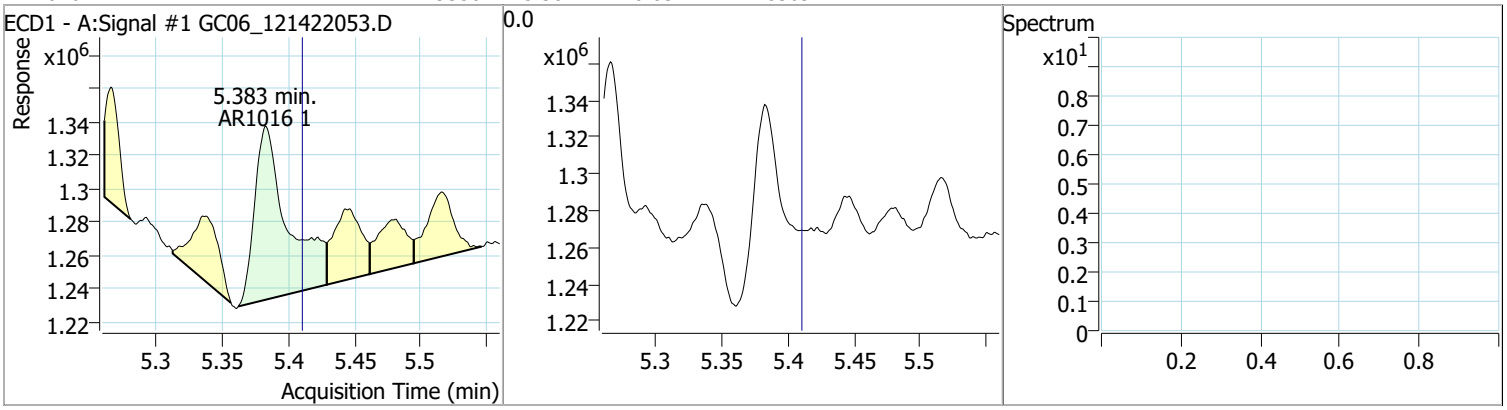
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.383	0.0	183097.246	144.9350	ng/ml	100
T AR1016 2	5.743	0.0	38991.078	0.1329	ng/ml	100
T AR1016 1 #2	6.001	0.0	1908228.476	334.2827	ng/ml	100
T AR1016 3	6.203	0.0	158584.871	49.5115	ng/ml	100
T AR1016 4	6.402	0.0	580777.240	238.4072	ng/ml	100
T AR1016 2 #2	6.464	0.0	965220.138	117.1330	ng/ml	100
T AR1016 5	6.594	0.0	196960.850	100.3801	ng/ml	100
T AR1016 3 #2	7.083	0.0	3052846.689	203.8925	ng/ml	100
T AR1016 4 #2	7.083	0.0	193864.712	18.1364	ng/ml	100
T AR1016 5 #2	7.320	0.0	175355.932	20.1821	ng/ml	100
T AR1260 1	8.720	0.0	398713.694	97.8686	ng/ml	100
T AR1260 2	9.124	0.0	783.858	0.1262	ng/ml	100
T AR1260 3	9.620	0.0	125274.393	19.3020	ng/ml	100
T AR1260 1 #2	10.003	0.0	1361389.445	83.2885	ng/ml	100
T AR1260 4	10.147	0.0	358128.507	89.0320	ng/ml	100
T AR1260 2 #2	10.266	0.0	715168.111	36.4149	ng/ml	100
T AR1260 3 #2	10.617	0.0	238664.118	9.6006	ng/ml	100
T AR1260 5	10.886	0.0	693192.173	77.8396	ng/ml	100
T AR1260 4 #2	11.086	0.0	27973.469	0.0000	ng/ml	100
T AR1260 5 #2	11.367	0.0	2342455.568	94.7282	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

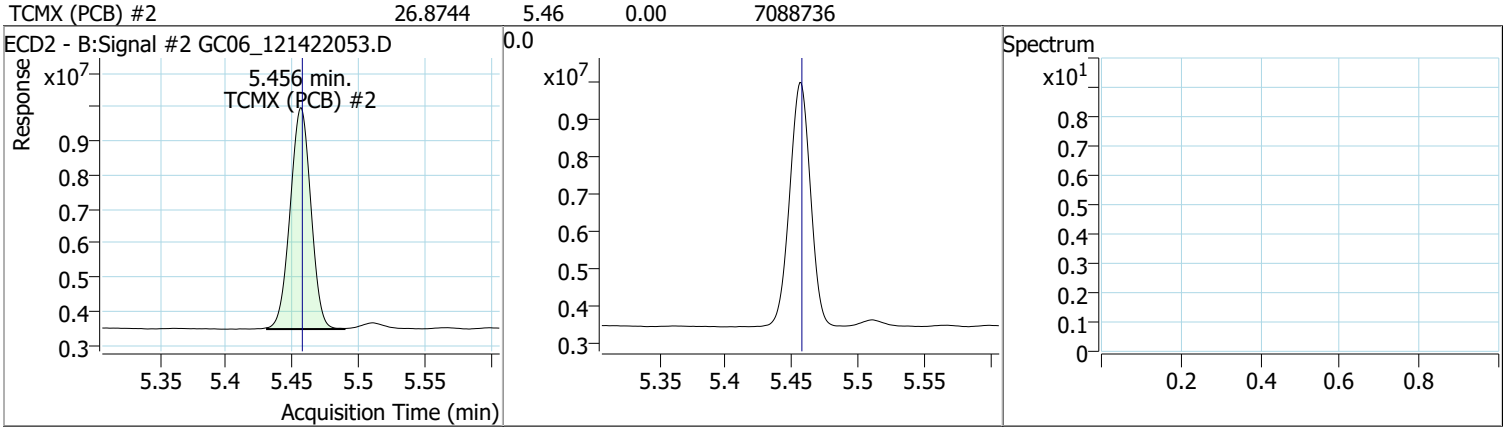
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	25.2649	5.06	0.00	1463642				



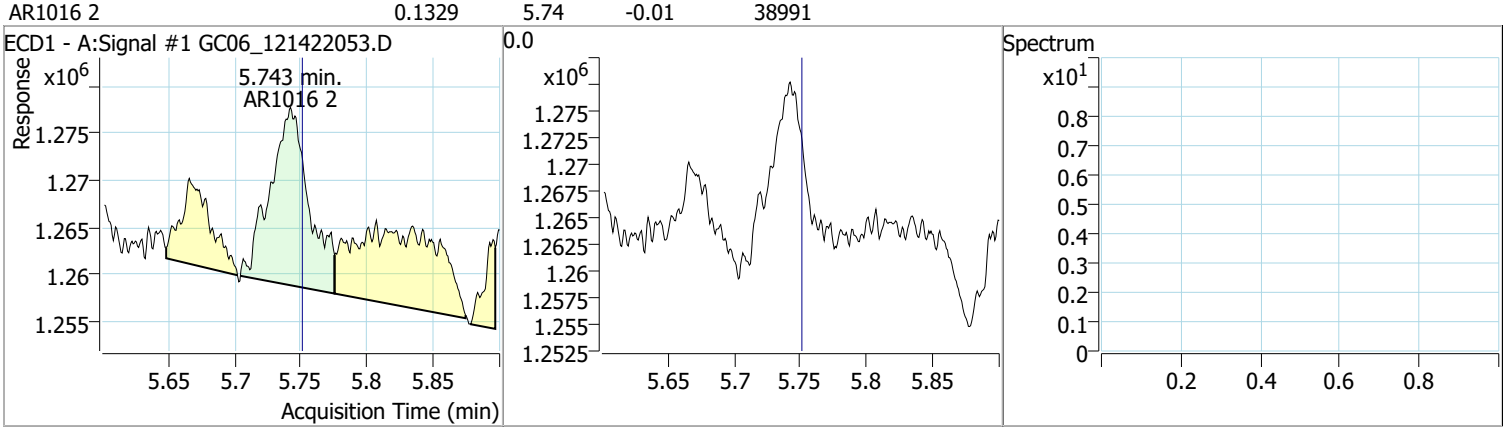
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	144.9350	5.38	-0.03	183097				



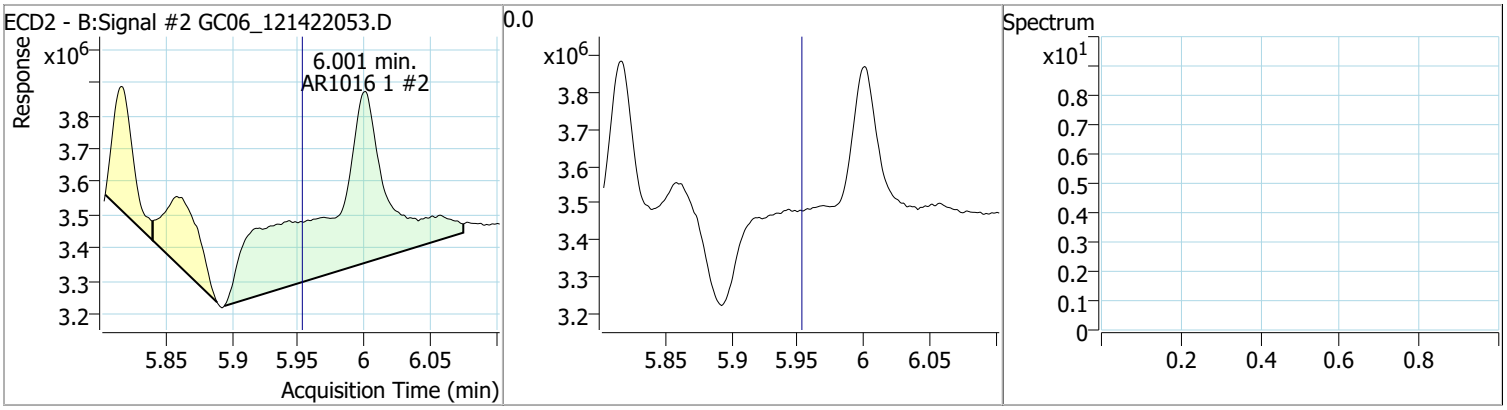
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	26.8744	5.46	0.00	7088736				



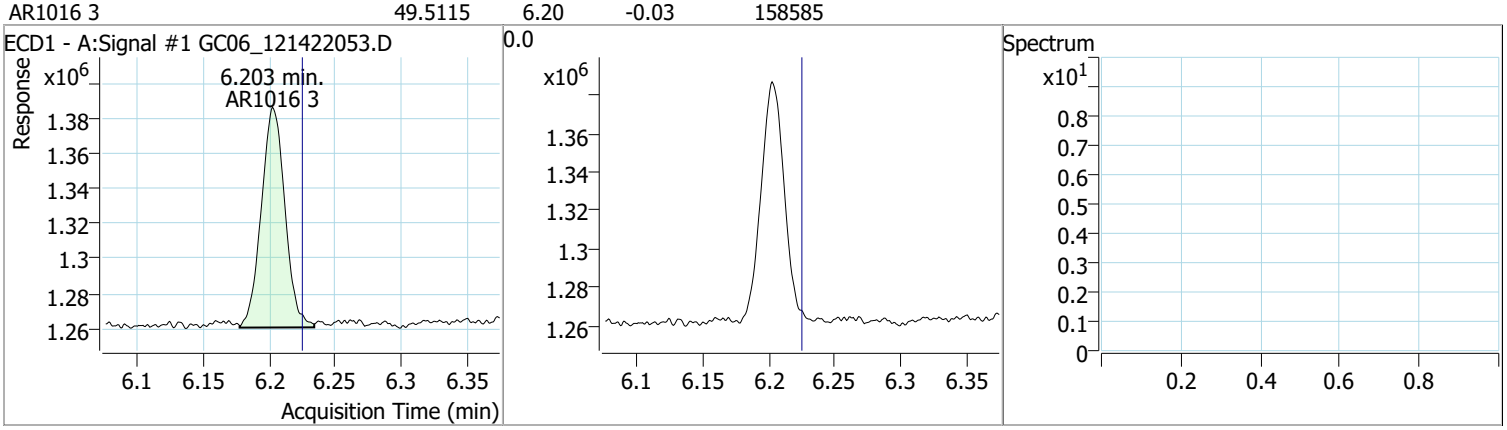
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.1329	5.74	-0.01	38991				



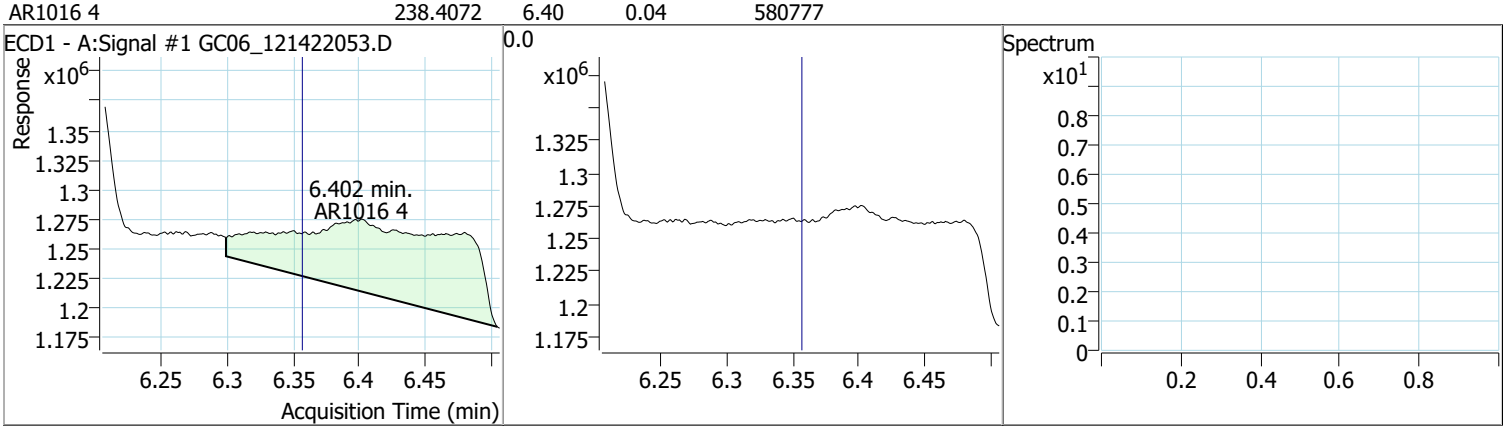
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	334.2827	6.00	0.05	1908228				



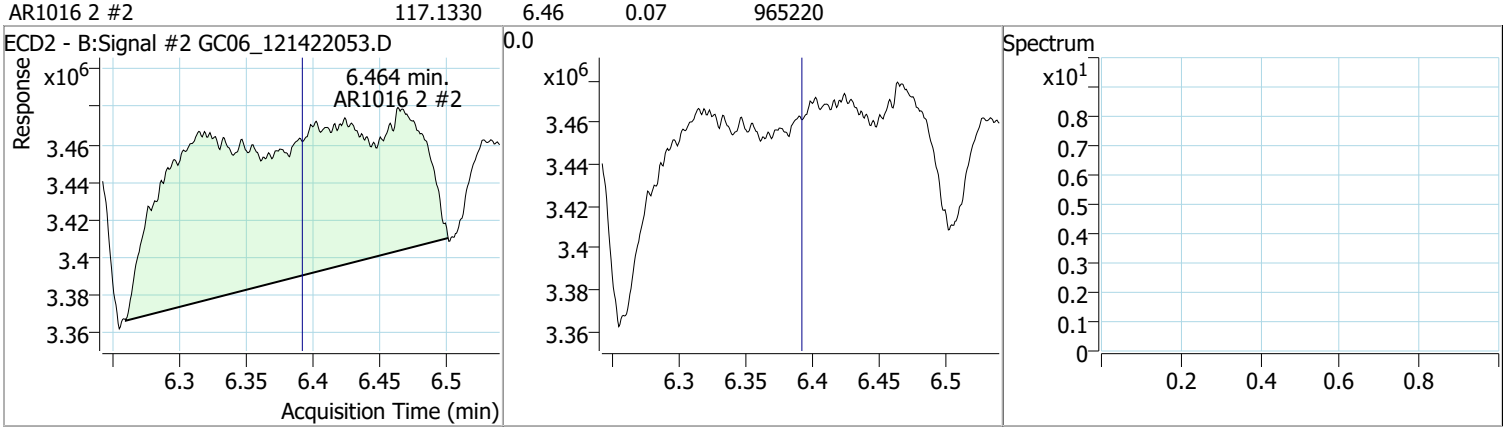
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	49.5115	6.20	-0.03	158585				



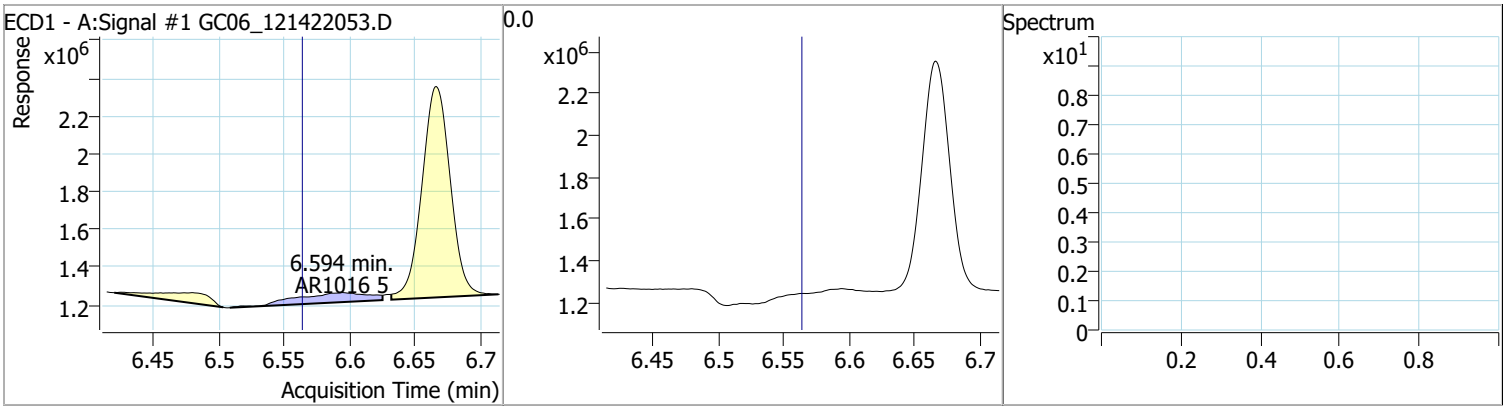
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	238.4072	6.40	0.04	580777				



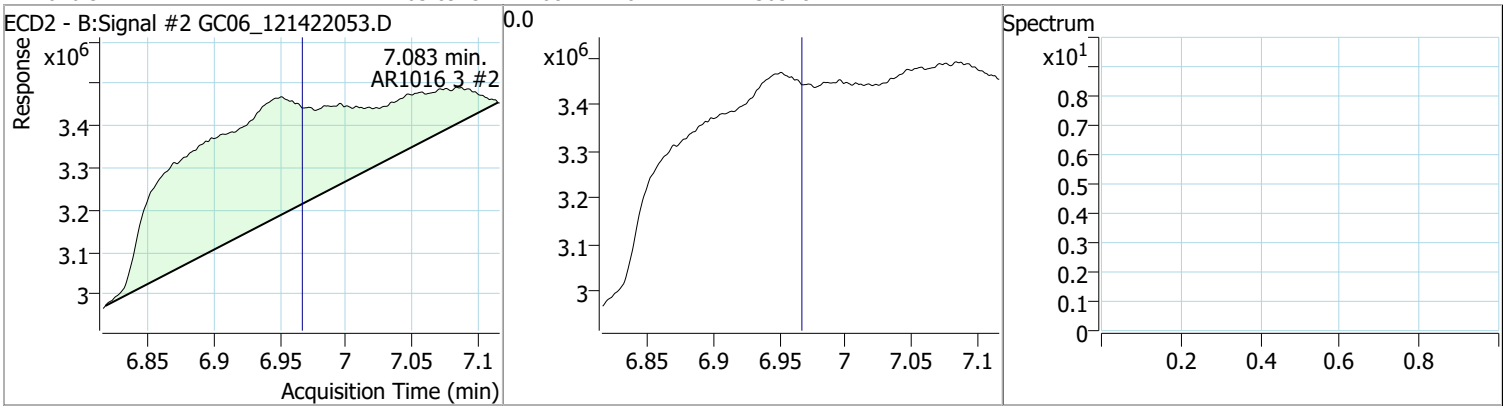
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	117.1330	6.46	0.07	965220				



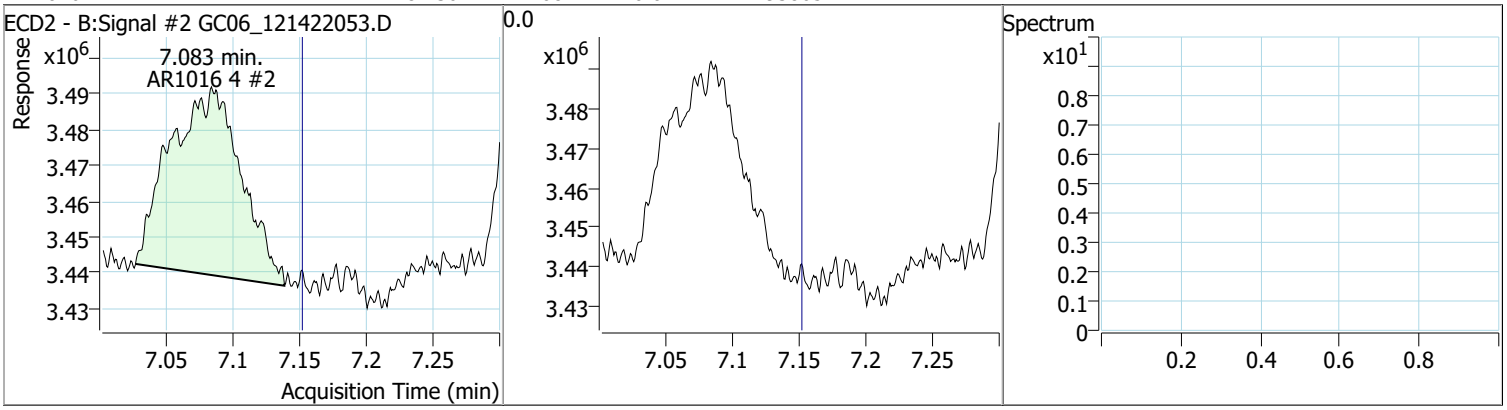
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	100.3801	6.59	0.03	196961				



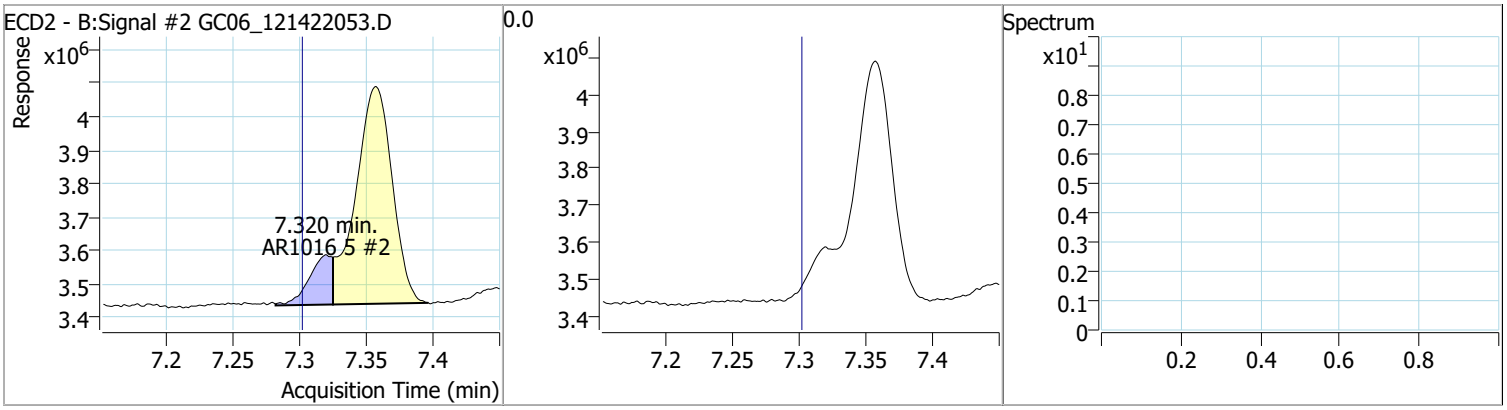
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	203.8925	7.08	0.12	3052847				



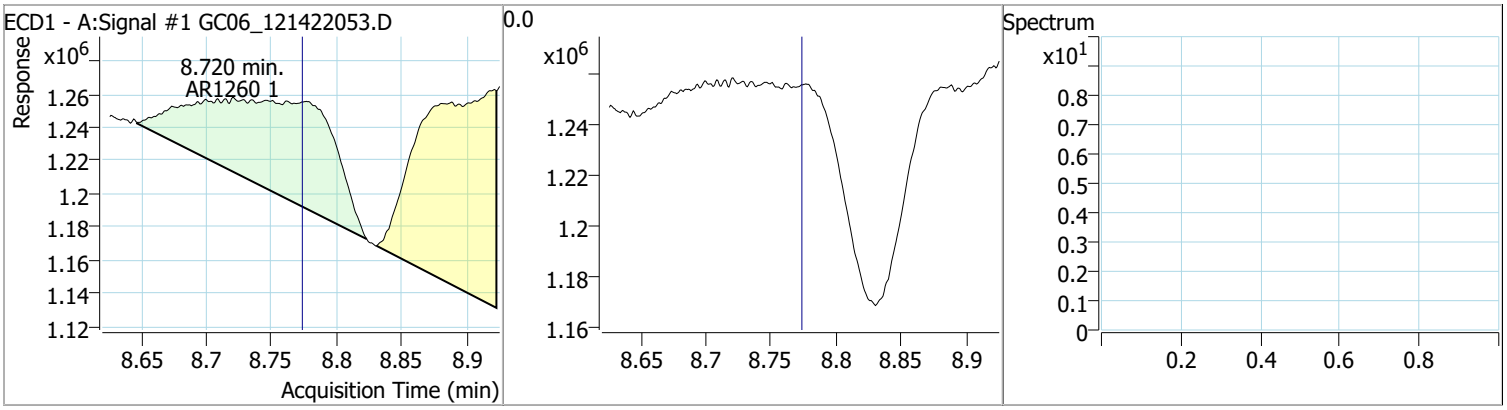
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	18.1364	7.08	-0.07	193865				



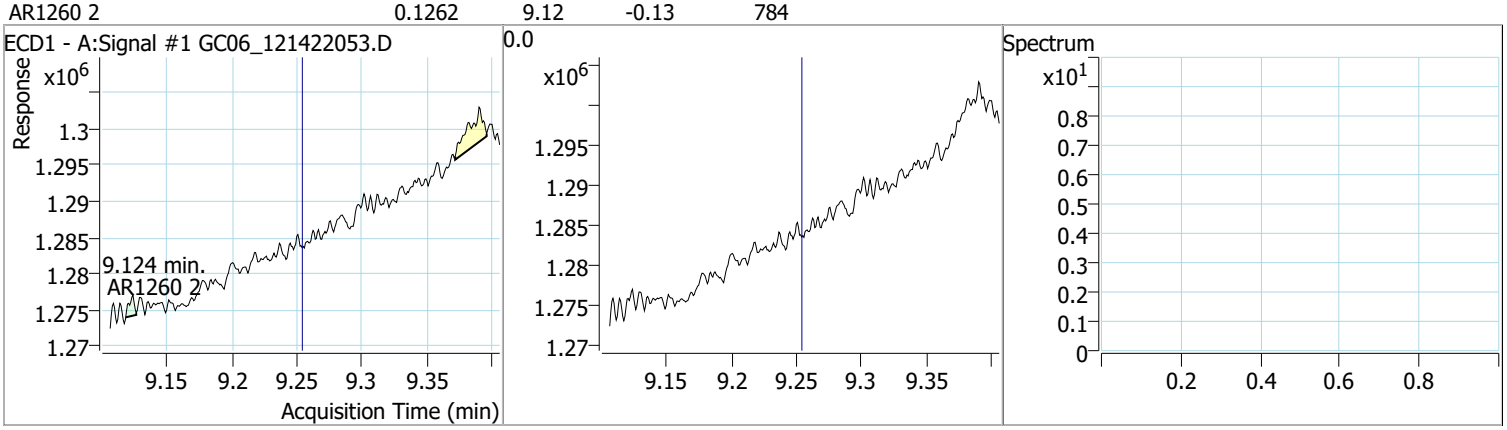
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	20.1821	7.32	0.02	175356				



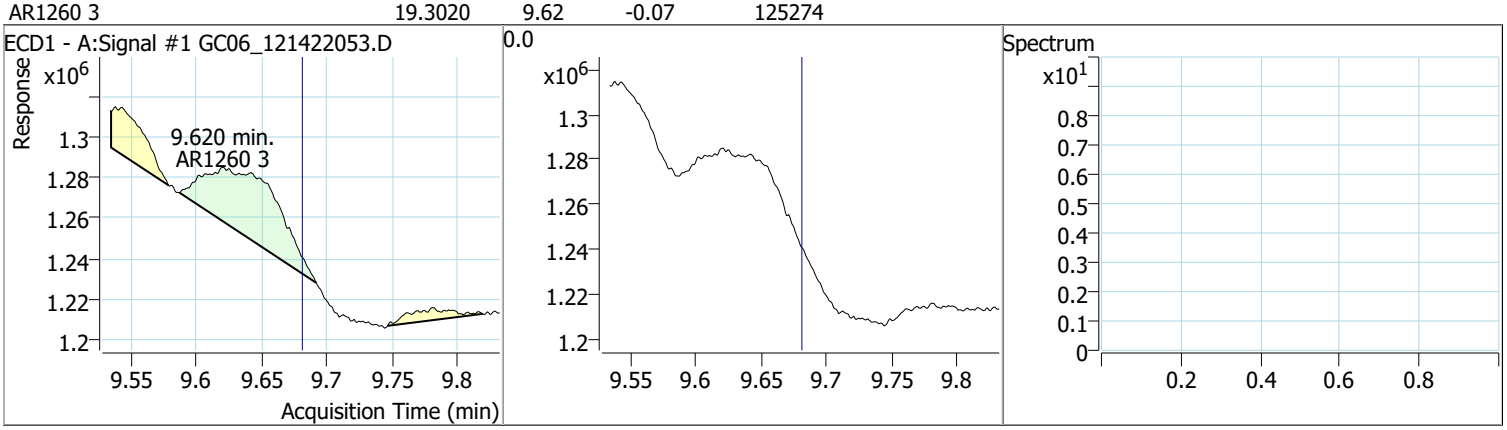
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	97.8686	8.72	-0.06	398714				



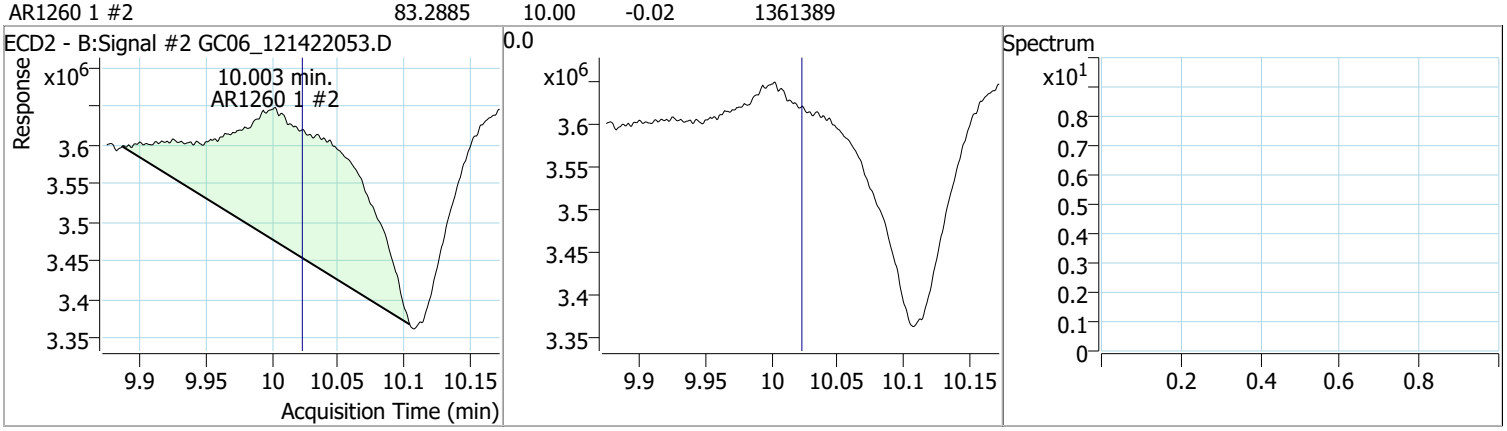
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.1262	9.12	-0.13	784				



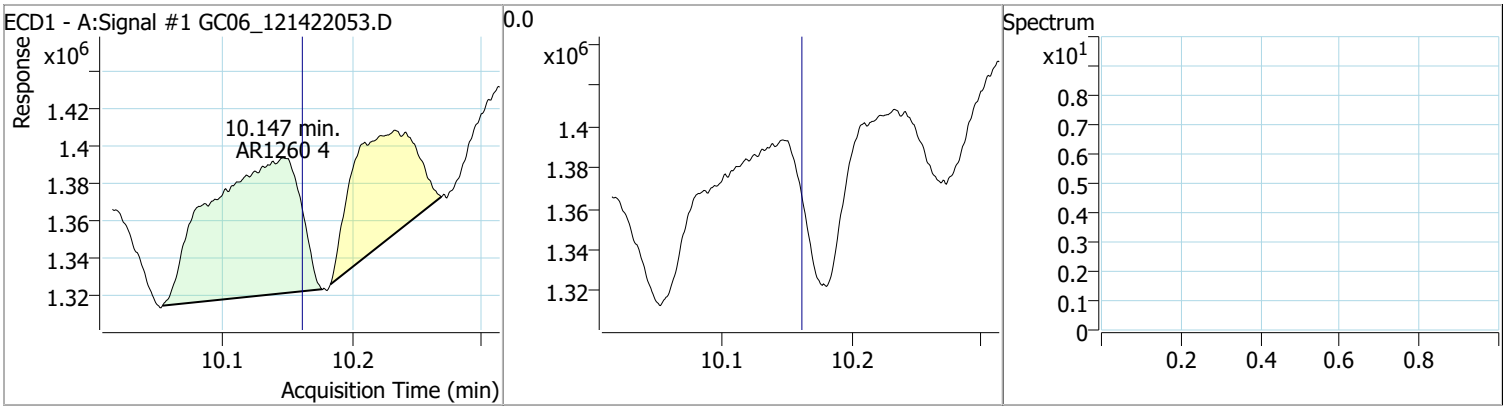
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	19.3020	9.62	-0.07	125274				



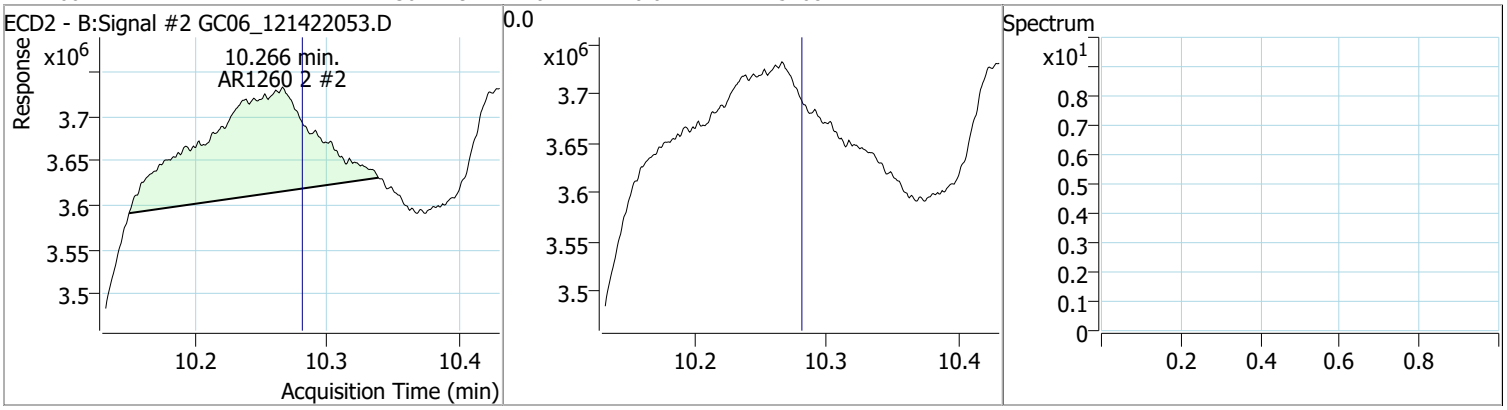
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	83.2885	10.00	-0.02	1361389				



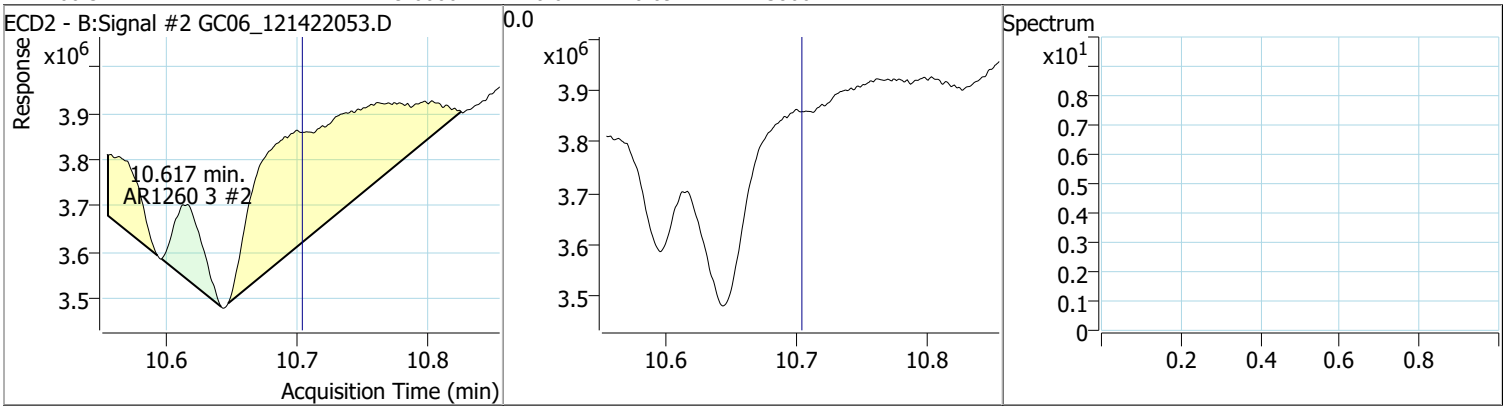
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	89.0320	10.15	-0.02	358129				



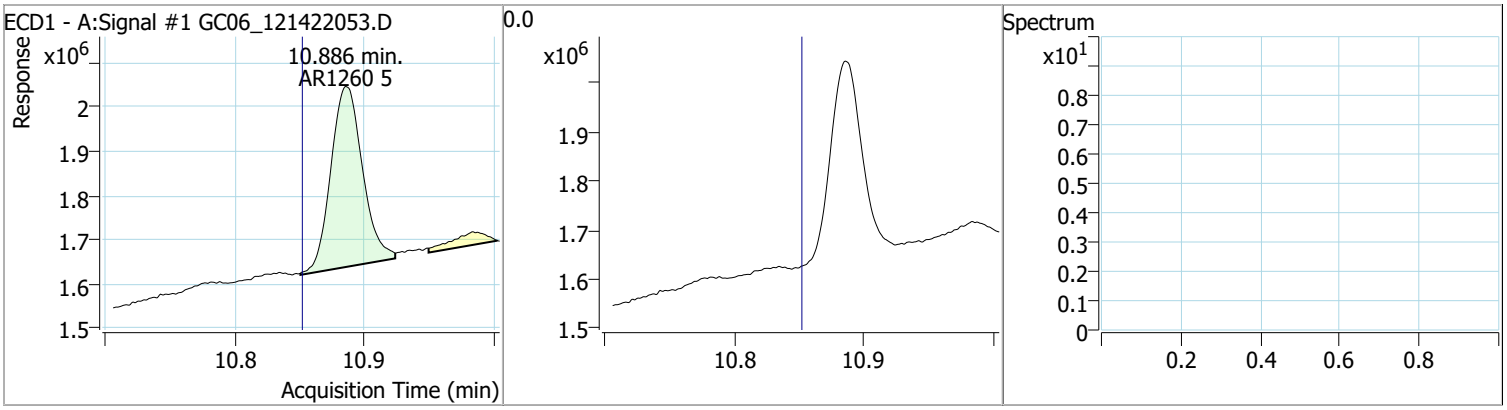
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	36.4149	10.27	-0.02	715168				



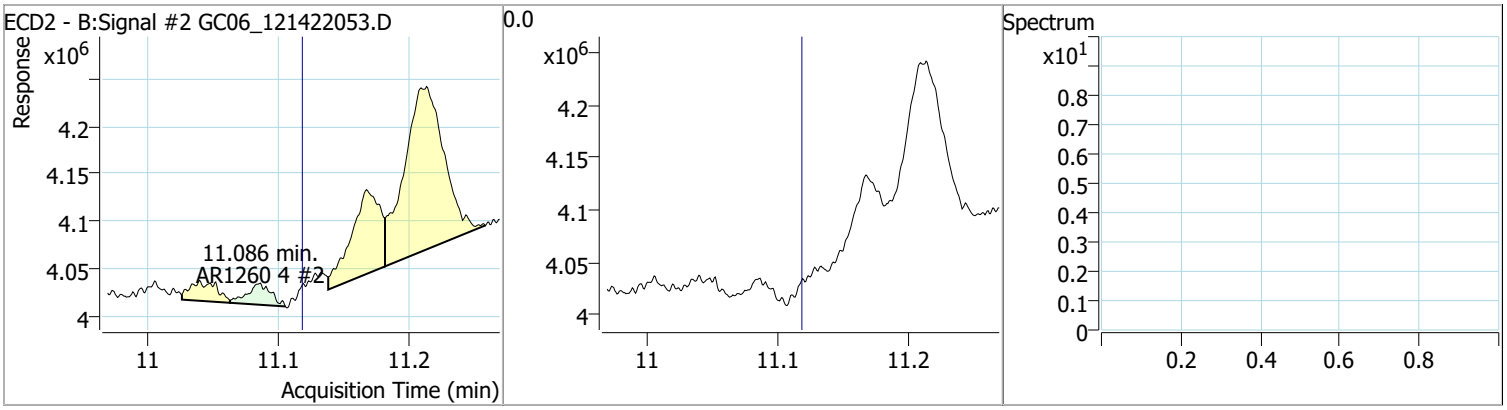
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	9.6006	10.62	-0.09	238664				



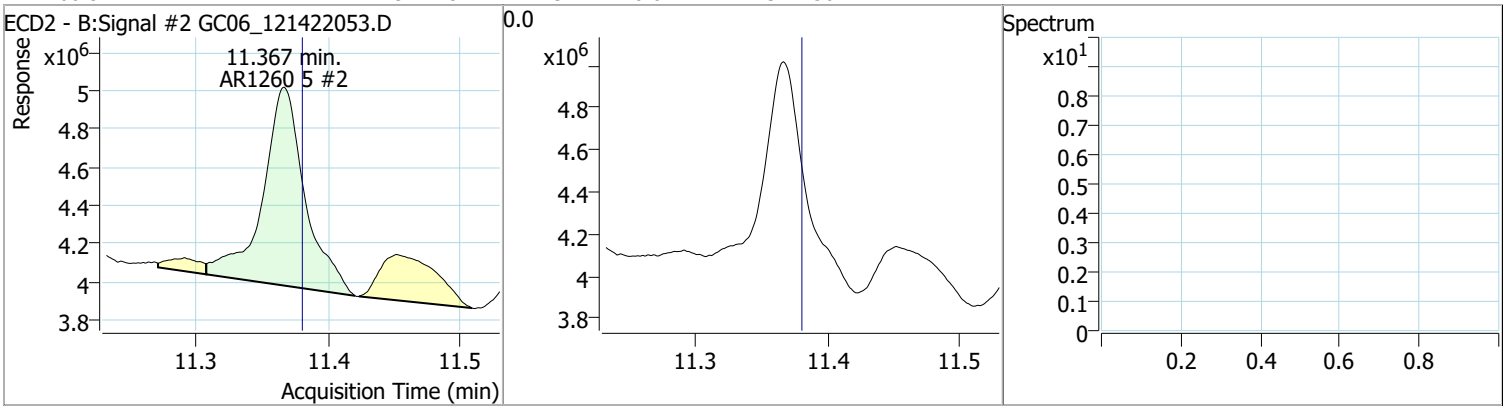
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	77.8396	10.89	0.03	693192				



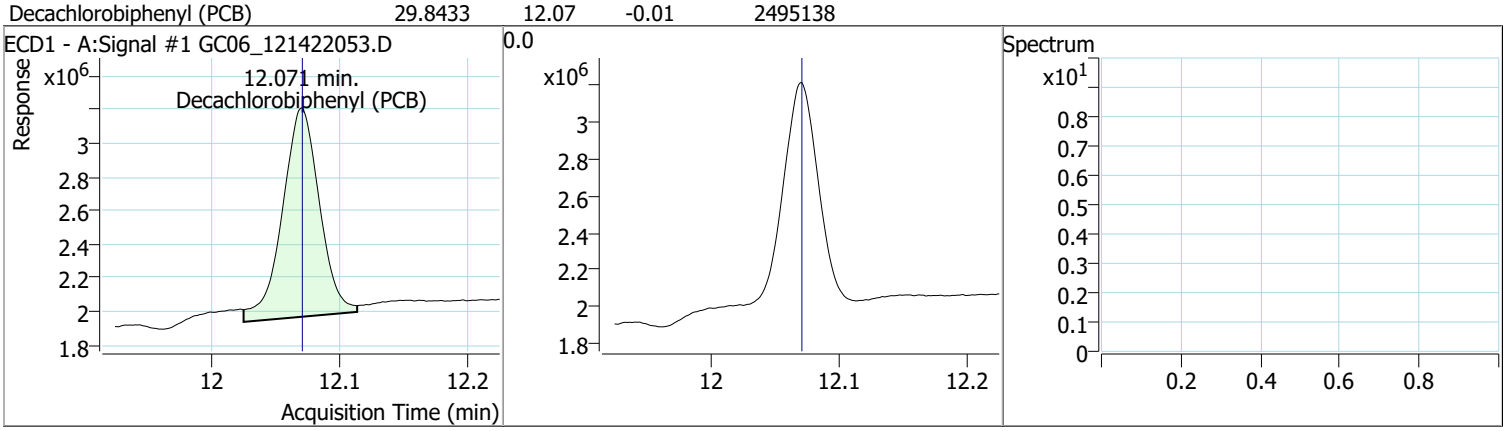
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.09	-0.03	27973				



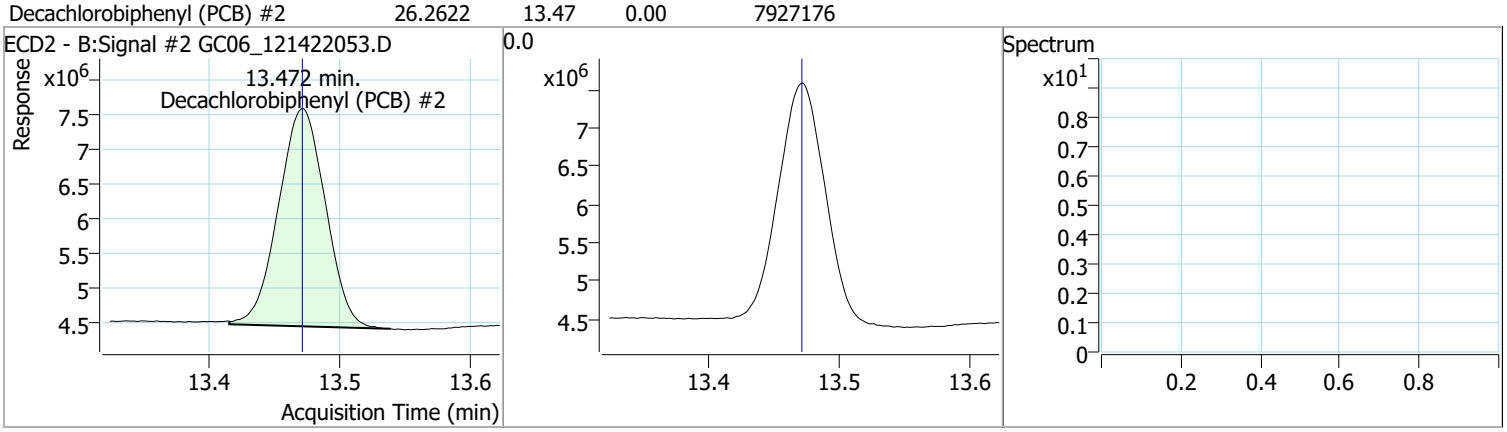
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	94.7282	11.37	-0.02	2342456				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	29.8433	12.07	-0.01	2495138				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	26.2622	13.47	0.00	7927176				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474711-020	Client ID:	20221209-2C-10-DUP
Seqnum:	452501809024	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422024	Batch:	303181	Time:	14-DEC-2022 19:06
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	54.91	~~1.1~~ FP	0.70	45%	0.50		x u
Aroclor-1016 Peak # 1	B	218.5	4.37	2.39	58%			
Aroclor-1016 Peak # 2	B	14.19	0.28	ND	467%			
Aroclor-1016 Peak # 3	B	40.56	0.81	0.72	12%			
Aroclor-1016 Peak # 4	B	0.4768	0.01	0.01	59%			
Aroclor-1016 Peak # 5	B	0.8074	0.02	0.49	187%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	27.60	~~0.55~~ FP	0.34	48%	0.50		x u
Aroclor-1260 Peak # 1	B	39.21	0.78	0.92	16%			
Aroclor-1260 Peak # 2	B	50.02	1.00	ND				
Aroclor-1260 Peak # 3	B	3.798	0.08	0.03	84%			
Aroclor-1260 Peak # 4	B	-19.73	ND	0.71	699%			
Aroclor-1260 Peak # 5	B	64.70	1.29	0.04	188%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	18.44	0.5000	0.3688	74	52-121	u
Decachlorobiphenyl (PCB)	B	17.75	0.5000	0.3549	71	50-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5307613	4676710	-11.89
1-bromo-2-nitrobenzene (PCB)	A	1103956	1002305	-9.21

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

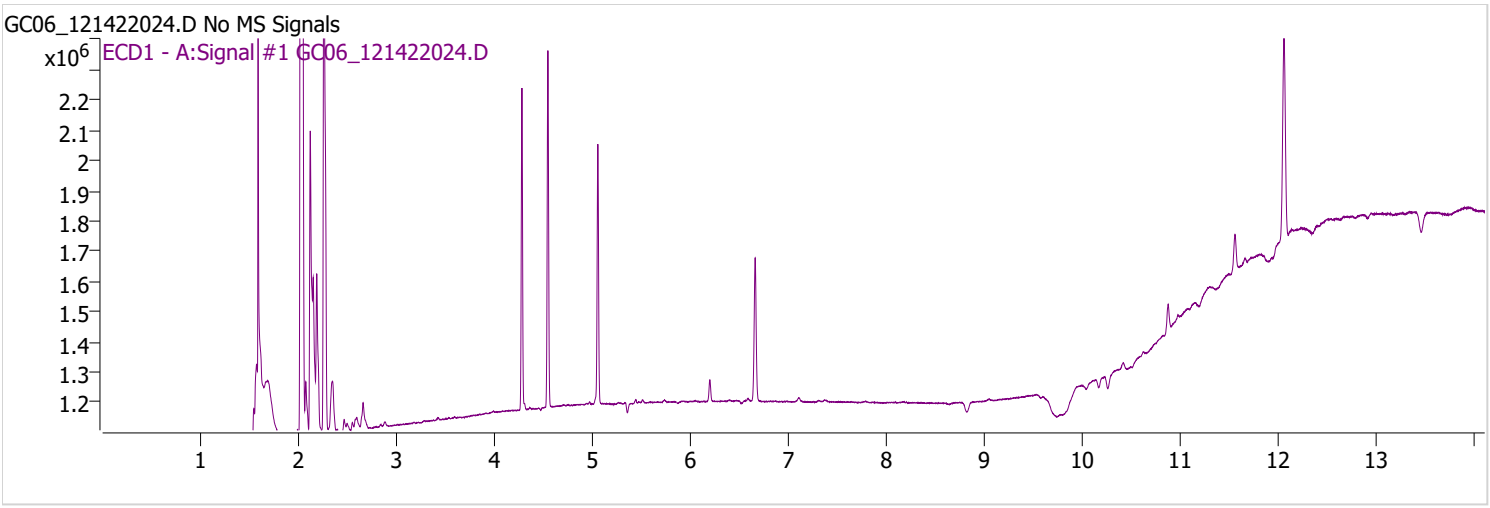
ISTD (CCV gc06_121422004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

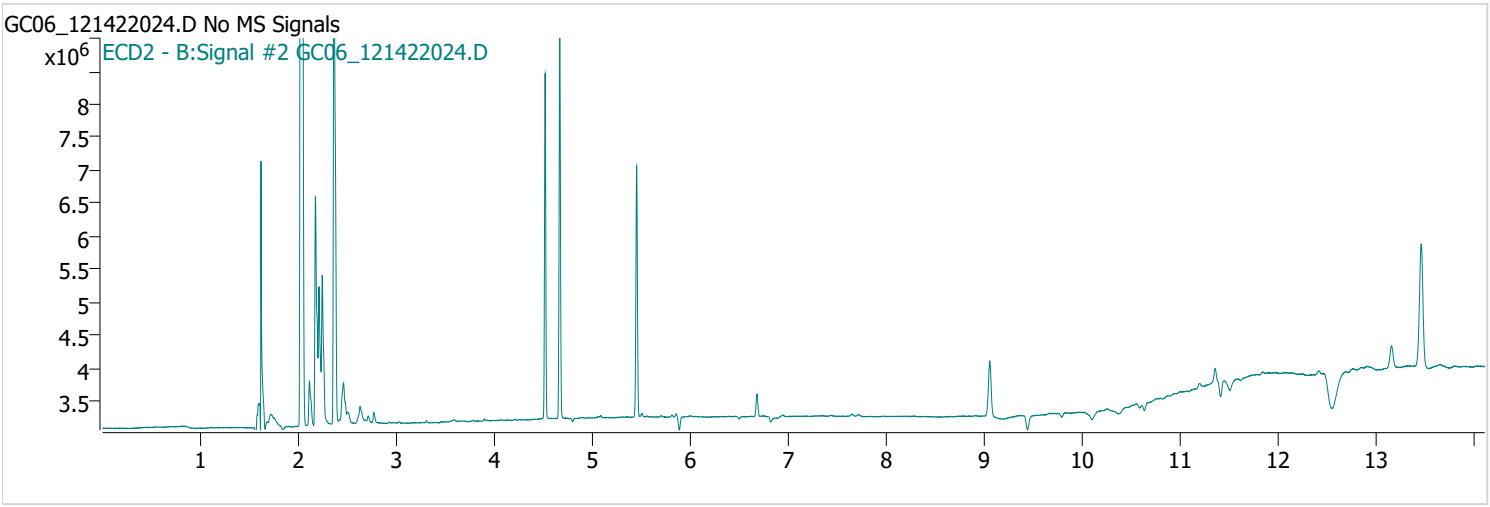
Analyst: MES 12/15/22

Reviewer: LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422024.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 7:06:18 PM
Sample Name	474711-020, 303181, 1	Instrument	SVOA-GC06
Vial	13	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



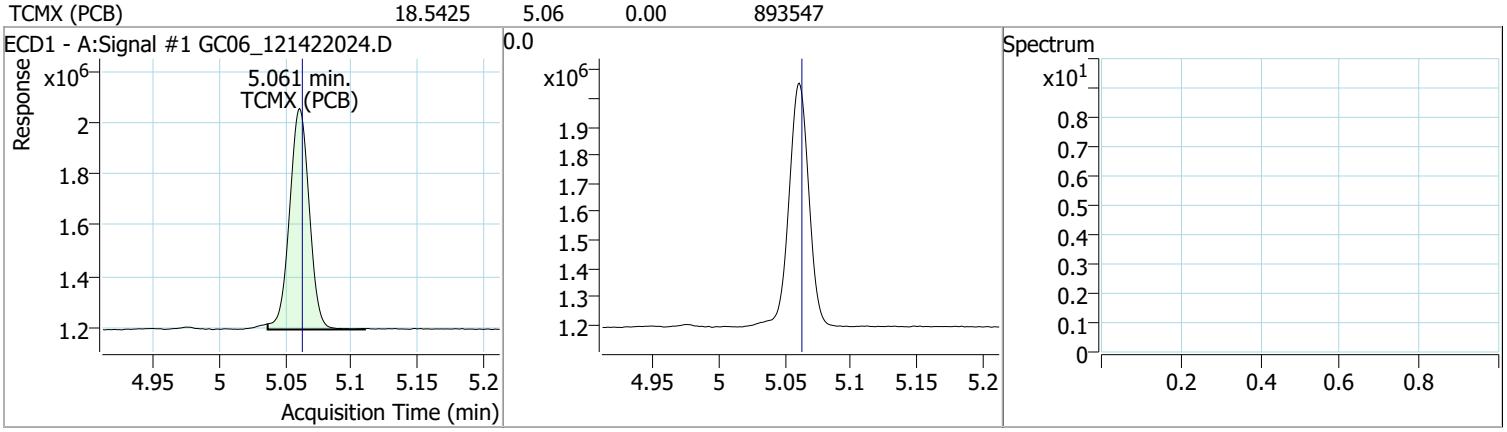


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.285	0.0	1002305.402	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.523	0.0	4676710.426	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.061	0.0	893547.072	18.5425	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 92.71%		
S TCMX (PCB) #2	5.458	0.0	4142154.884	18.4426	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 92.21%		
S Decachlorobiphenyl (PCB)	12.072	0.0	1414690.135	18.9655	ng/ml	-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 94.83%		
S Decachlorobiphenyl (PCB) #2	13.473	0.0	4724298.009	17.7471	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 88.74%		
Target Compounds						QValue
T AR1016 1	5.448	0.0	125768.282	119.6830	ng/ml	100

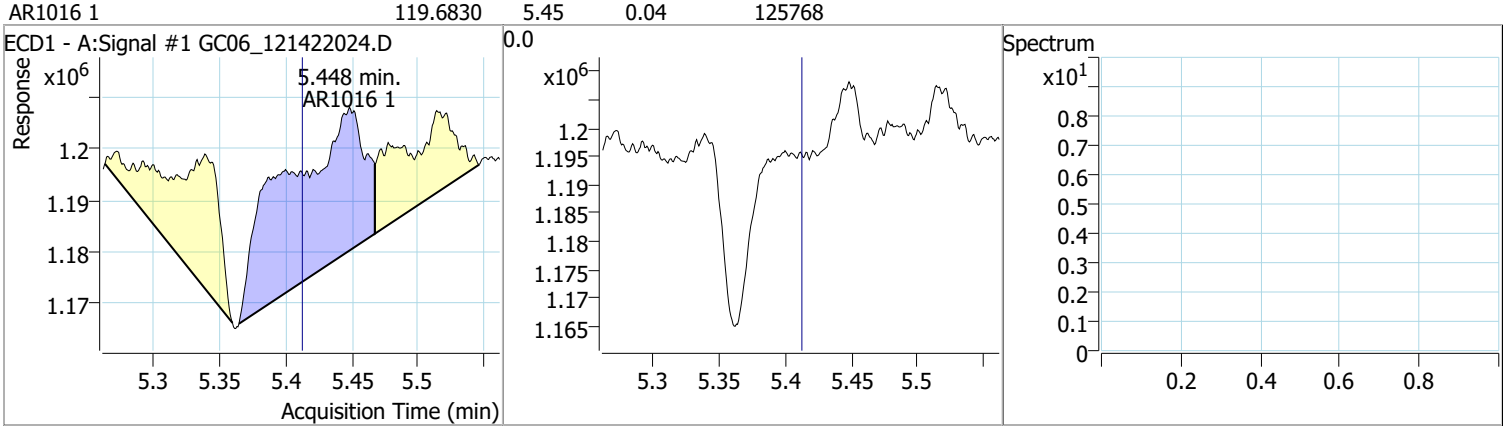
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.741	0.0	20288.929	0.0000	ng/ml	100
T AR1016 1 #2	5.998	0.0	1062164.032	218.5250	ng/ml	100
T AR1016 3	6.204	0.0	95389.676	35.8026	ng/ml	100
T AR1016 4	6.353	0.0	524.562	0.2589	ng/ml	100
T AR1016 2 #2	6.405	0.0	99550.556	14.1880	ng/ml	100
T AR1016 5	6.590	0.0	39709.200	24.3292	ng/ml	100
T AR1016 3 #2	6.952	0.0	517061.034	40.5568	ng/ml	100
T AR1016 4 #2	7.158	0.0	4340.002	0.4768	ng/ml	100
T AR1016 5 #2	7.296	0.0	5973.731	0.8075	ng/ml	100
T AR1260 1	8.778	0.0	155368.303	45.8474	ng/ml	100
T AR1260 2	0.000		0	N.D.		
T AR1260 3	9.798	0.0	8355.987	1.5478	ng/ml	100
T AR1260 1 #2	9.977	0.0	545786.135	39.2149	ng/ml	100
T AR1260 4	10.147	0.0	145377.246	35.5429	ng/ml	100
T AR1260 2 #2	10.271	0.0	836484.299	50.0212	ng/ml	100
T AR1260 3 #2	10.616	0.0	80402.622	3.7985	ng/ml	100
T AR1260 5	10.888	0.0	121181.625	2.0632	ng/ml	100
T AR1260 4 #2	11.080	0.0	45619.071	0.0000	ng/ml	100
T AR1260 5 #2	11.368	0.0	1466432.161	64.7056	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

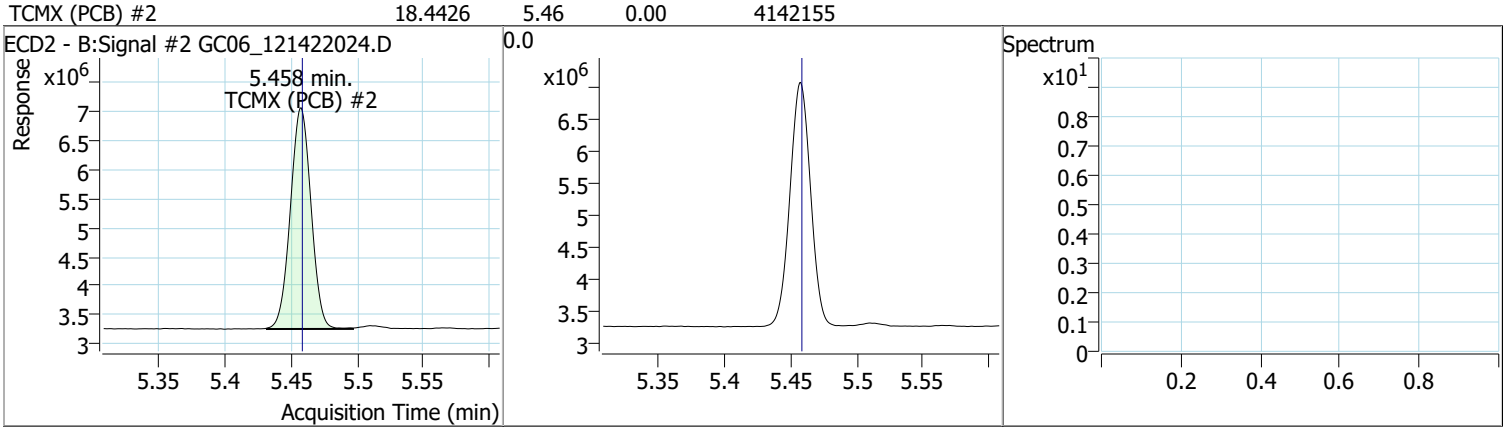
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.5425	5.06	0.00	893547				



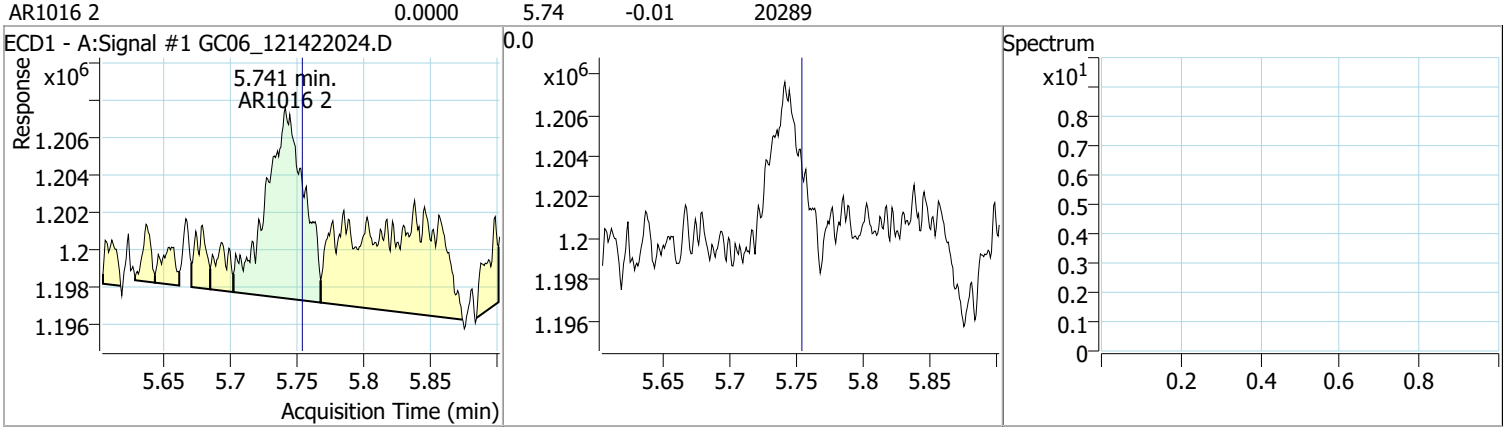
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	119.6830	5.45	0.04	125768				



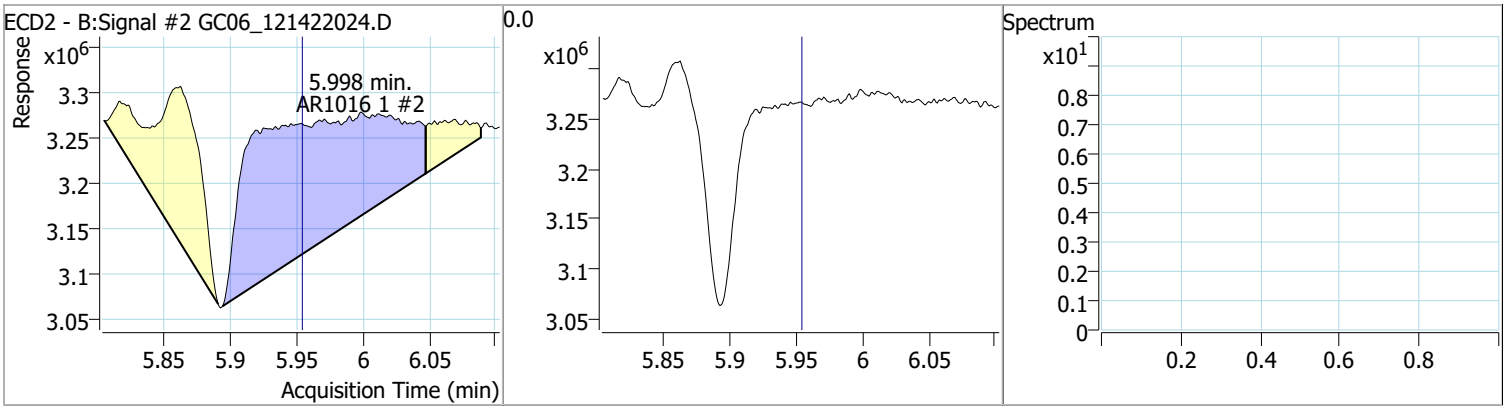
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	18.4426	5.46	0.00	4142155				



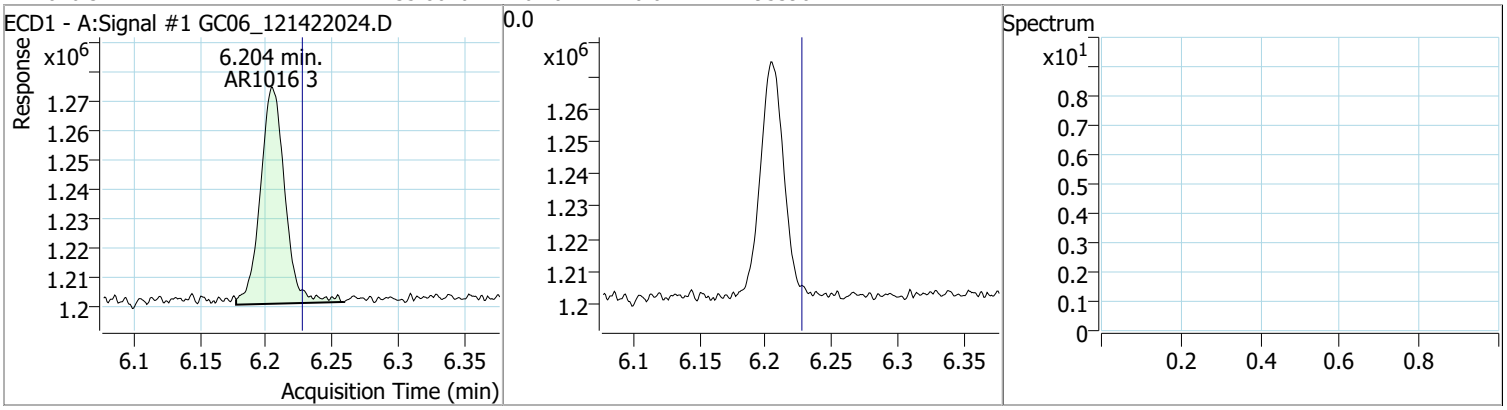
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.74	-0.01	20289				



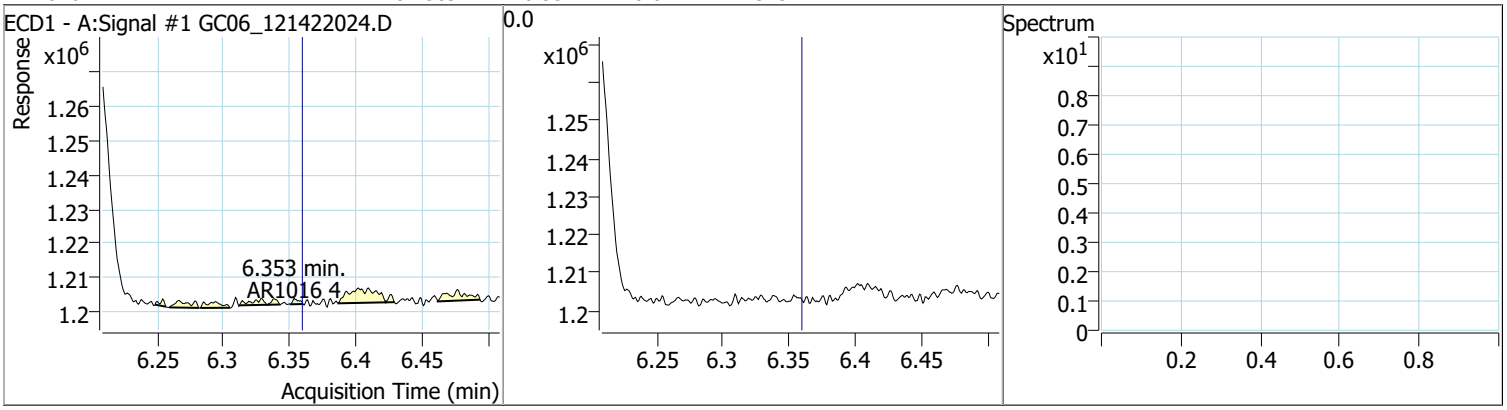
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	218.5250	6.00	0.04	1062164				



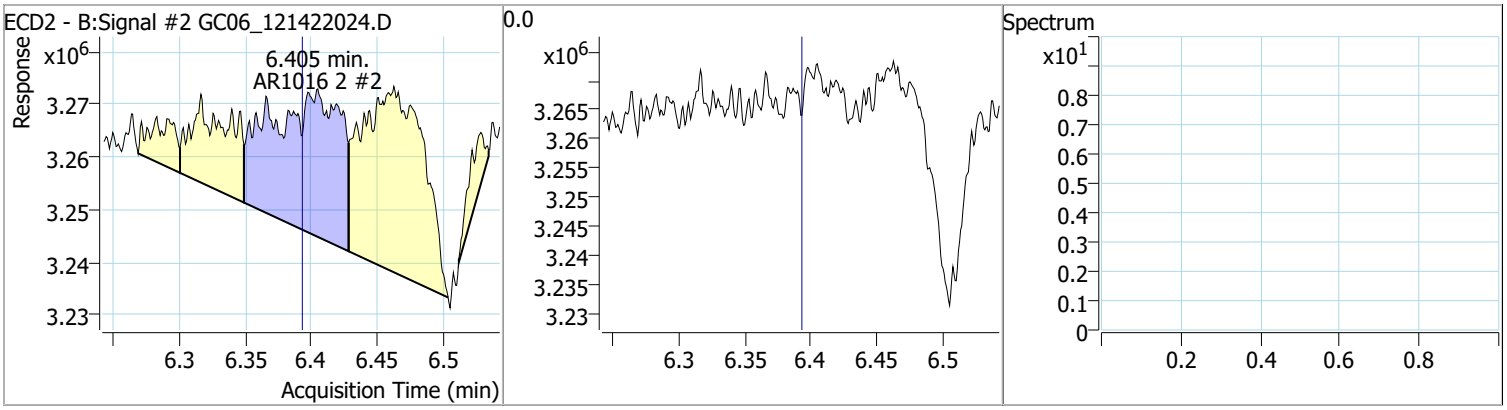
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	35.8026	6.20	-0.02	95390				



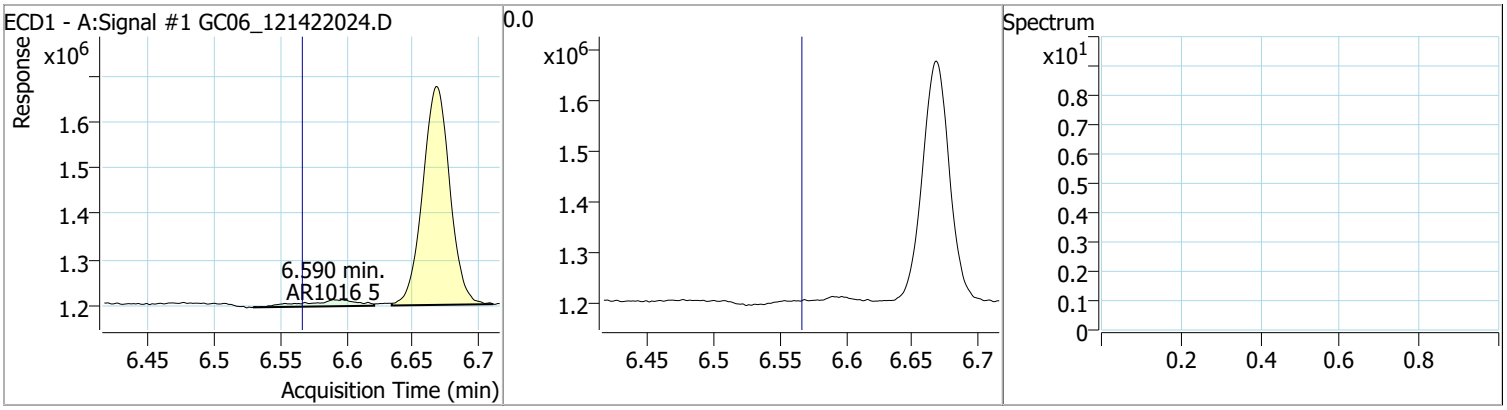
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.2589	6.35	-0.01	525				



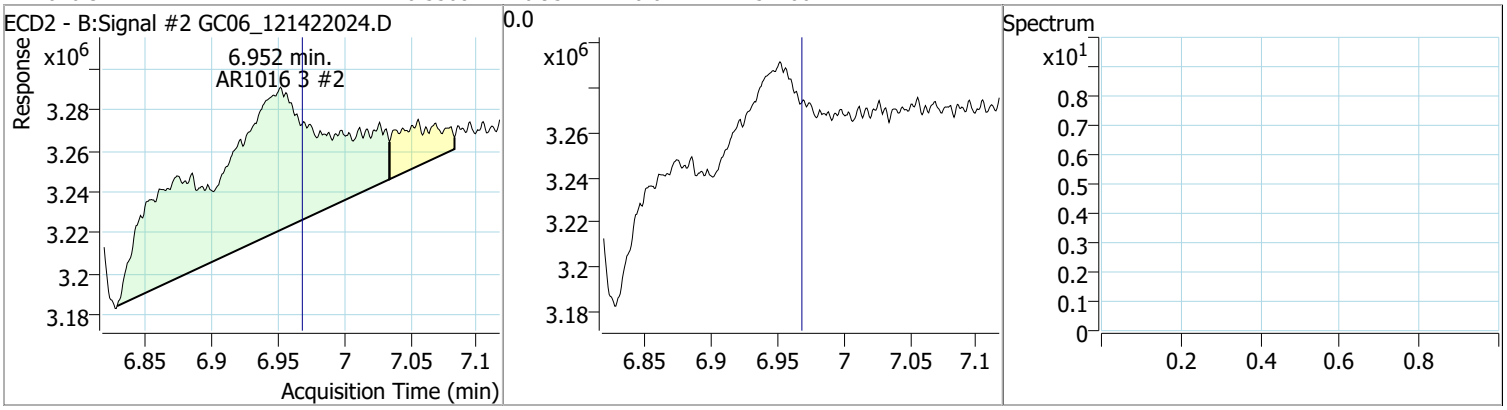
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	14.1880	6.41	0.01	99551				



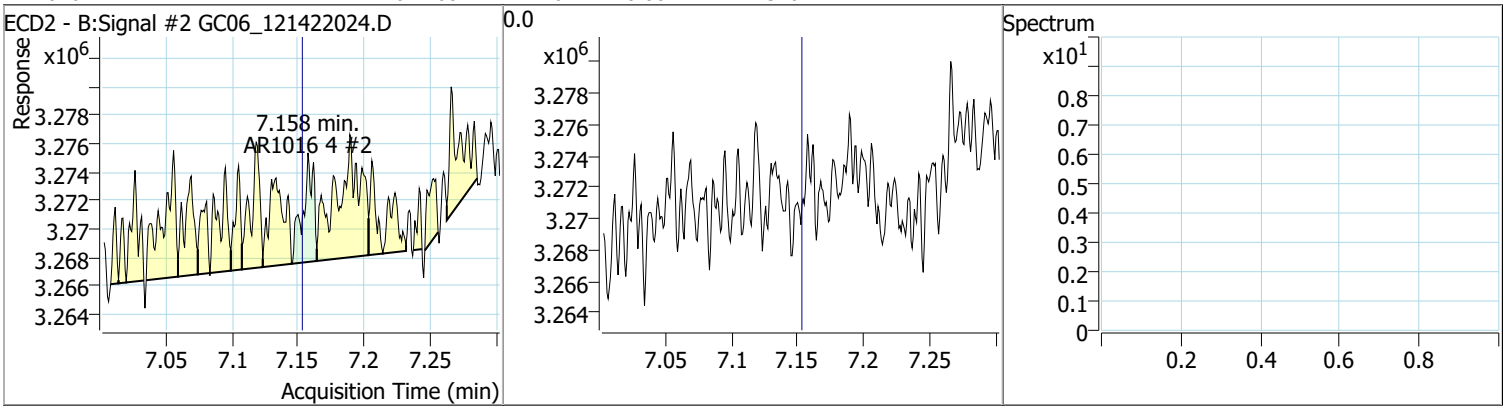
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	24.3292	6.59	0.02	39709				



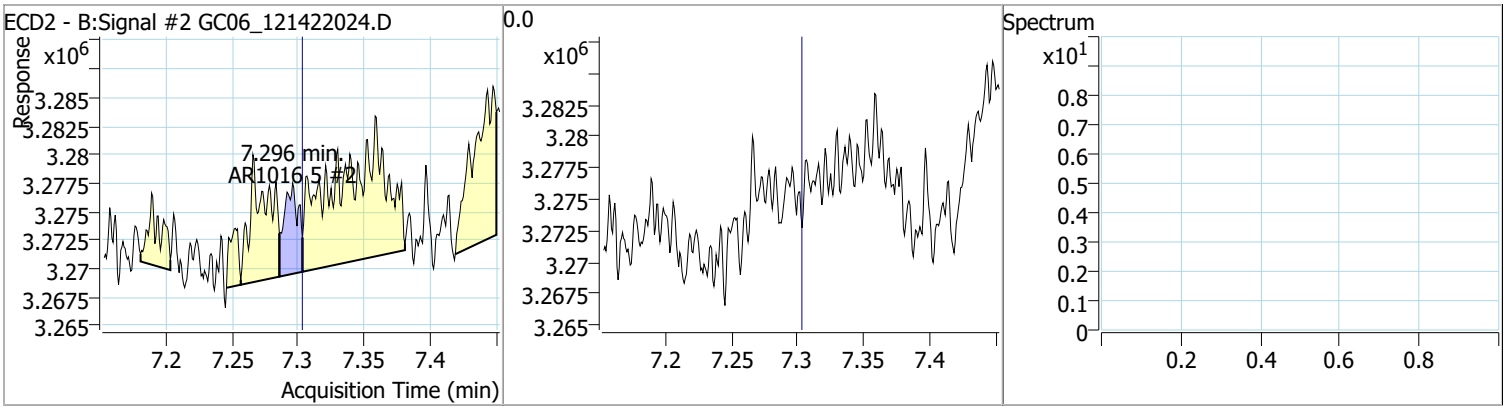
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	40.5568	6.95	-0.02	517061				



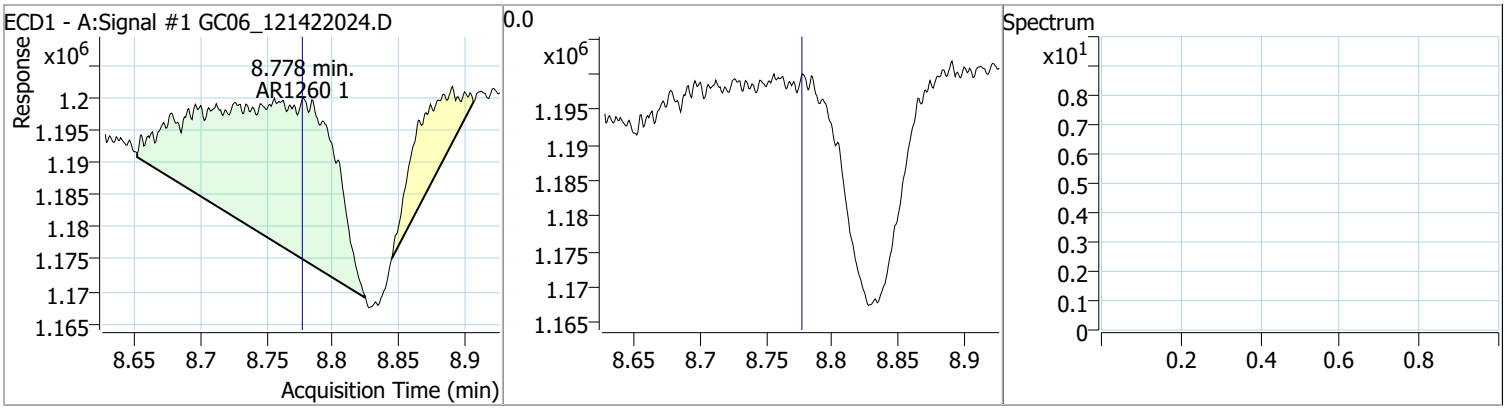
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.4768	7.16	0.00	4340				



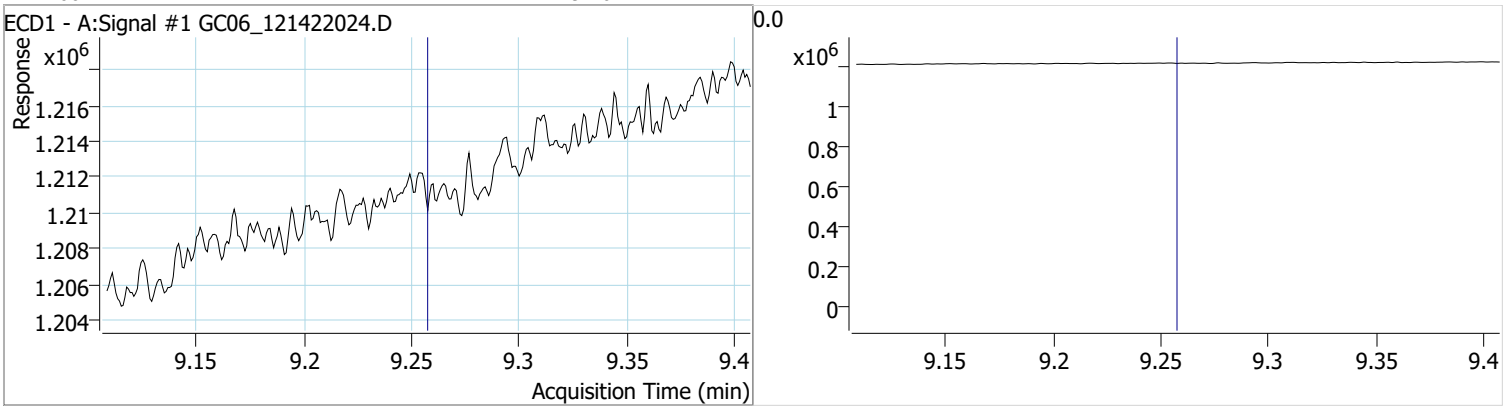
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.8075	7.30	-0.01	5974				



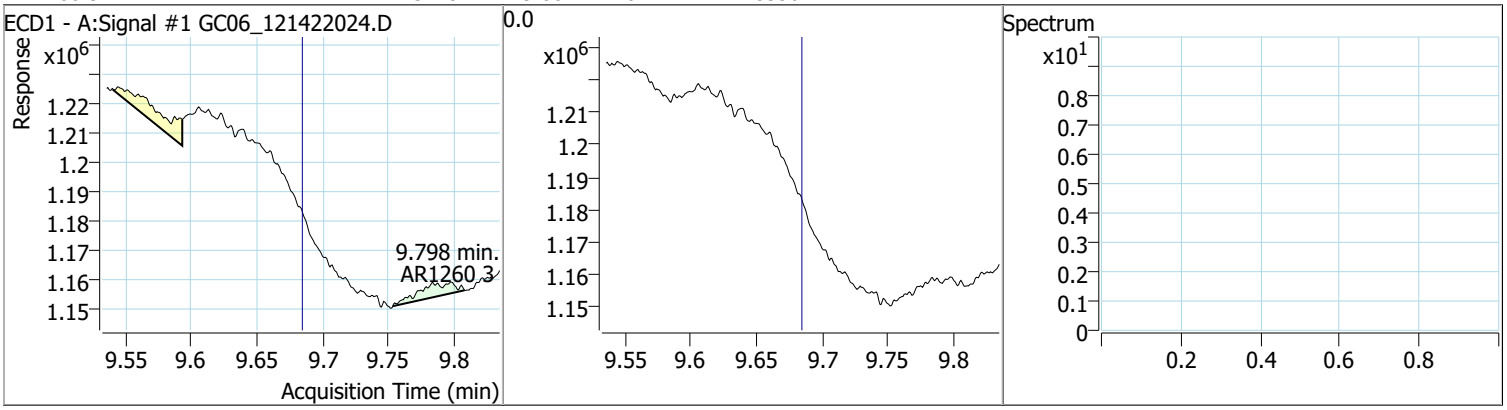
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	45.8474	8.78	0.00	155368				



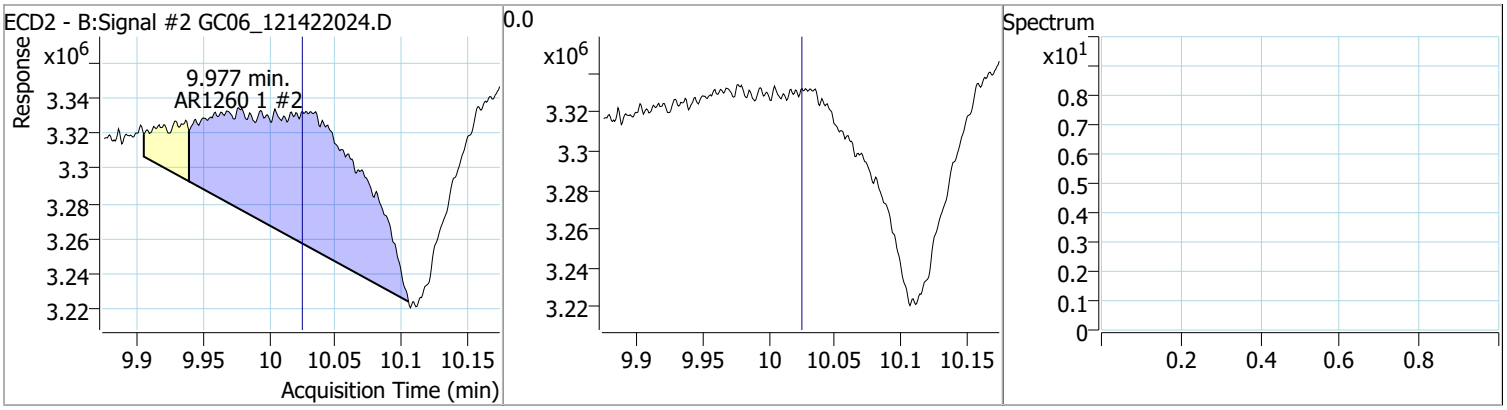
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 2	N.D.	9.26		



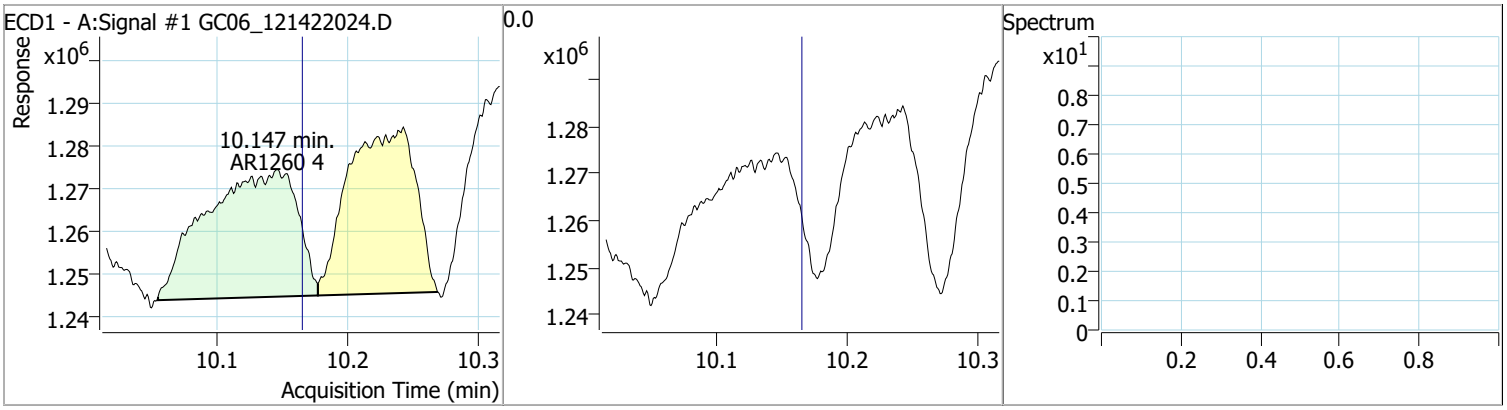
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1.5478	9.80	0.11	8356				



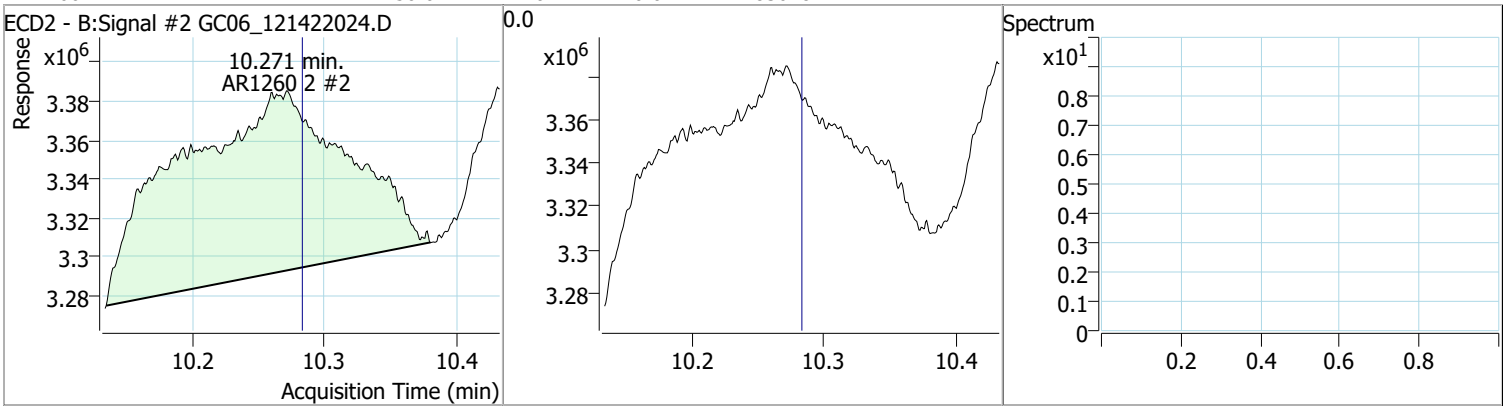
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	39.2149	9.98	-0.05	545786				



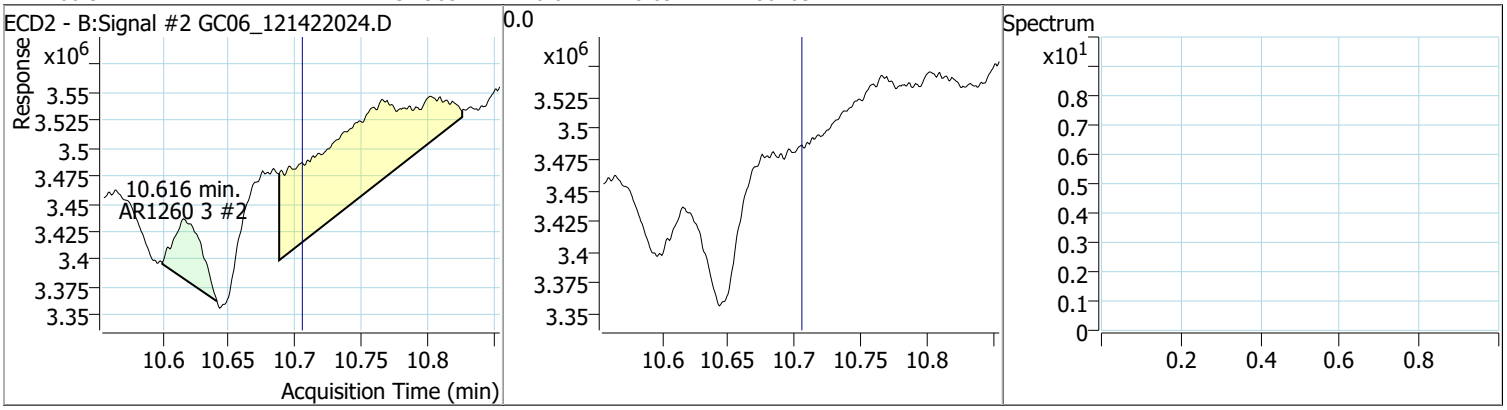
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	35.5429	10.15	-0.02	145377				



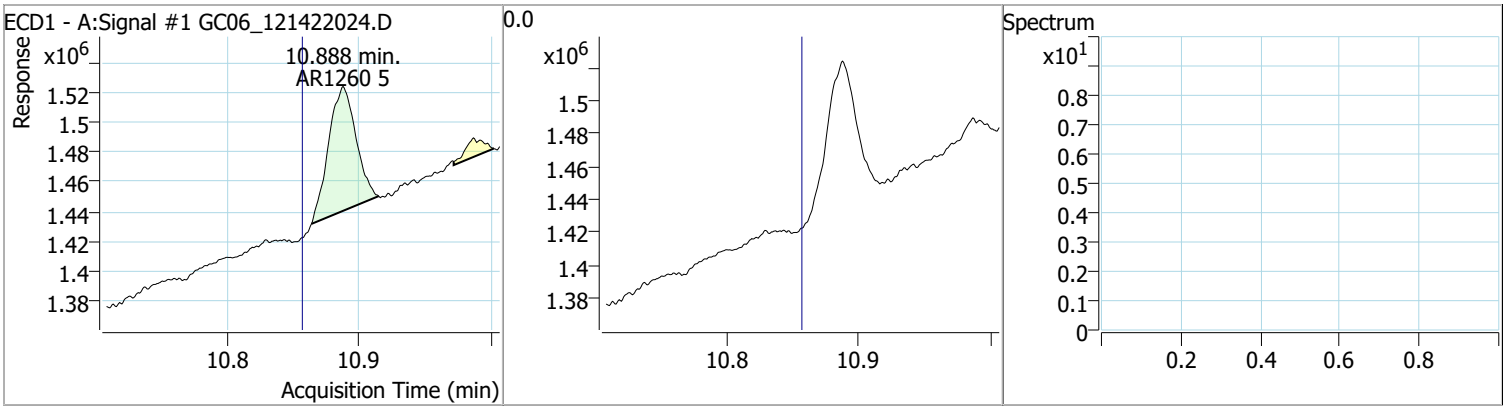
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	50.0212	10.27	-0.01	836484				



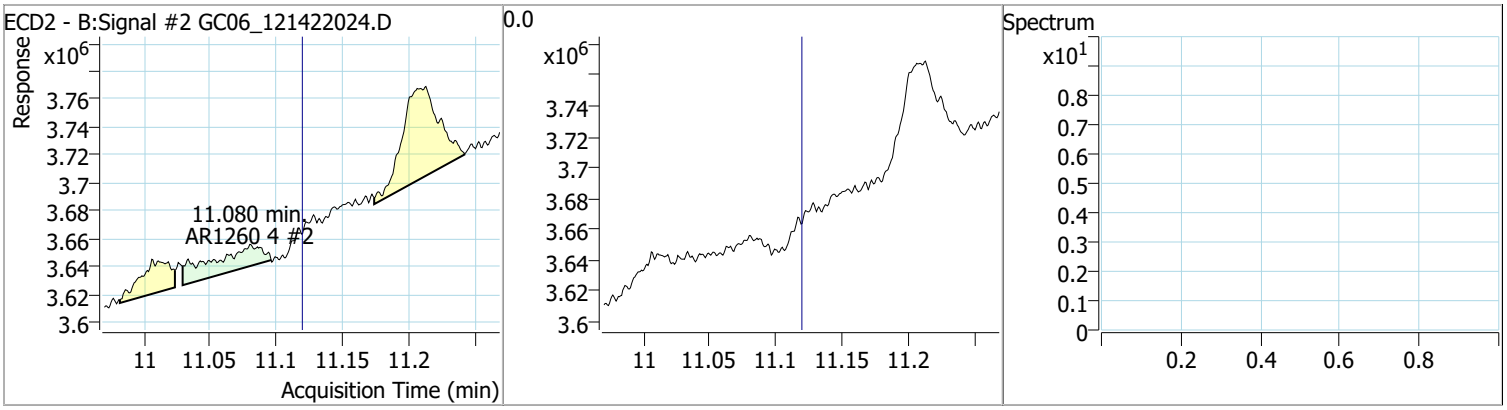
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	3.7985	10.62	-0.09	80403				



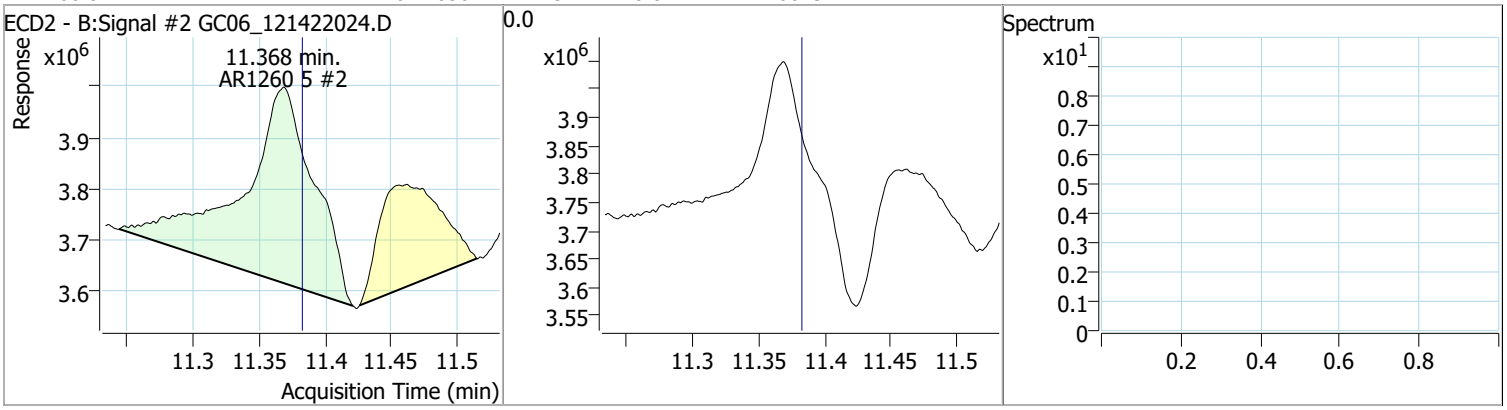
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	2.0632	10.89	0.03	121182				



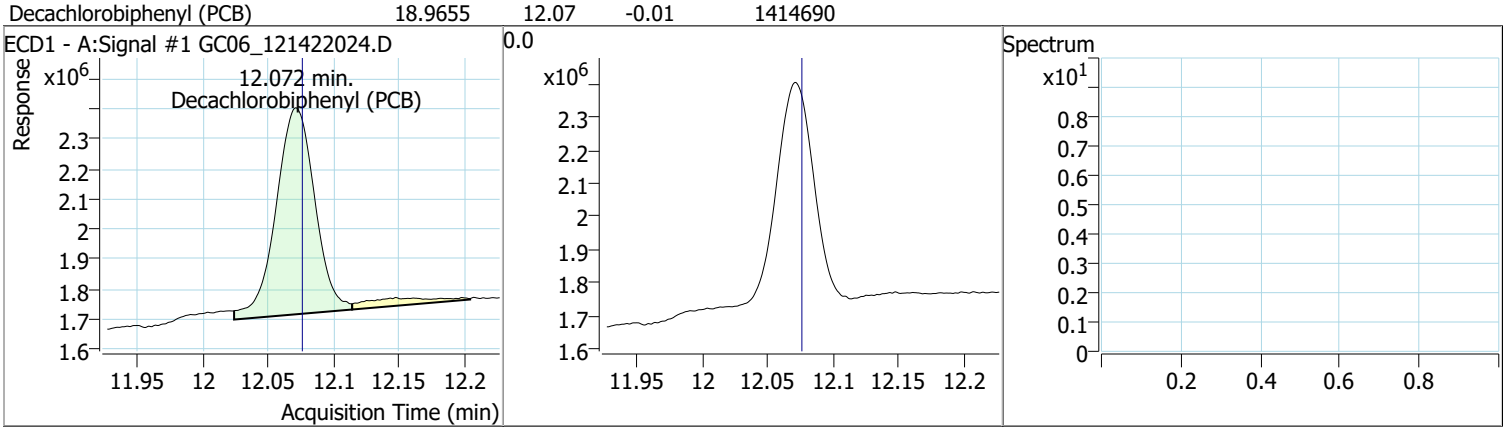
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.08	-0.04	45619				



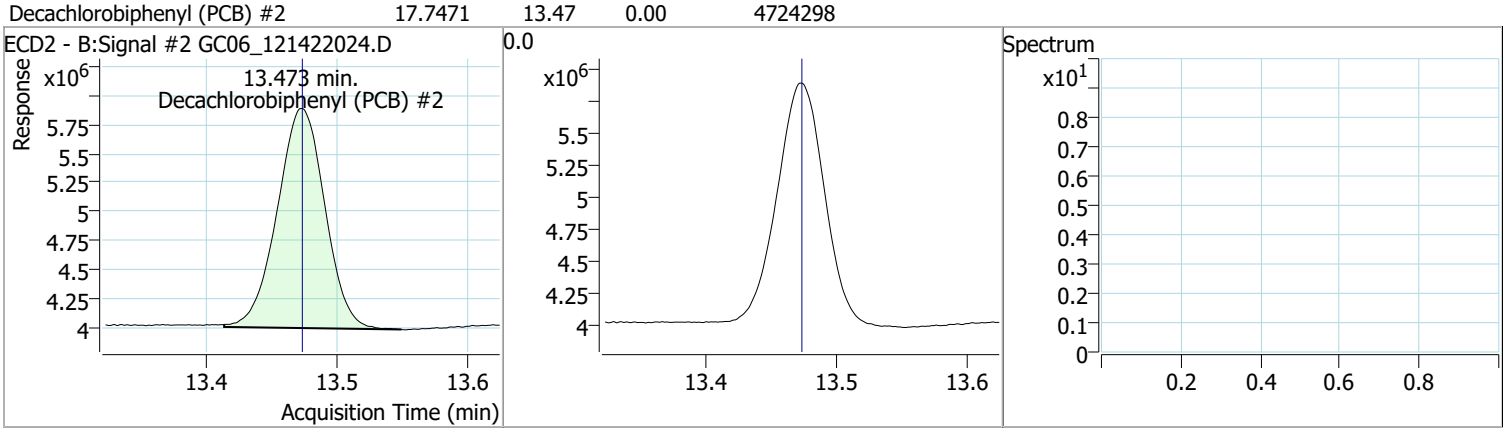
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	64.7056	11.37	-0.01	1466432				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	18.9655	12.07	-0.01	1414690				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	17.7471	13.47	0.00	4724298				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 474711 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Lab ID:	QC1031896		
Seqnum:	452501809012.1	Matrix:	Wipe		
File:	gc06_121422012	Batch:	303181	Time:	14-DEC-2022 15:26
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	3.551	ND	ND	412%	0.50	u
Aroclor-1016 Peak # 1	B	5.887	0.12	0.06	58%		
Aroclor-1016 Peak # 2	B	10.09	0.20	ND	-5098%		
Aroclor-1016 Peak # 3	B	0.4345	0.01	0.00	65%		
Aroclor-1016 Peak # 4	B	0.1357	0.00	0.01	114%		
Aroclor-1016 Peak # 5	B	1.204	0.02	0.02	40%		
Aroclor-1221	B		ND			0.50	u
Aroclor-1232	B		ND			0.50	u
Aroclor-1242	B		ND			0.50	u
Aroclor-1248	B		ND			0.50	u
Aroclor-1254	B		ND			0.50	u
Aroclor-1260	B	-4.600	ND	ND	-25%	0.50	u
Aroclor-1260 Peak # 1	B	0.2983	0.01	0.00	54%		
Aroclor-1260 Peak # 2	B	12.10	0.24	ND			
Aroclor-1260 Peak # 3	B	1.133	0.02	0.06	89%		
Aroclor-1260 Peak # 4	B	-19.66	ND	ND	-139%		
Aroclor-1260 Peak # 5	B	-16.87	ND	ND	-3%		
Aroclor-1262	B		ND			0.50	u
Aroclor-1268	B		ND			0.50	u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	23.91	0.5000	0.4783	96	52-121	u
Decachlorobiphenyl (PCB)	B	22.07	0.5000	0.4414	88	60-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422004)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5307613	4972289	-6.32
1-bromo-2-nitrobenzene (PCB)	A	1103956	1022646	-7.37

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

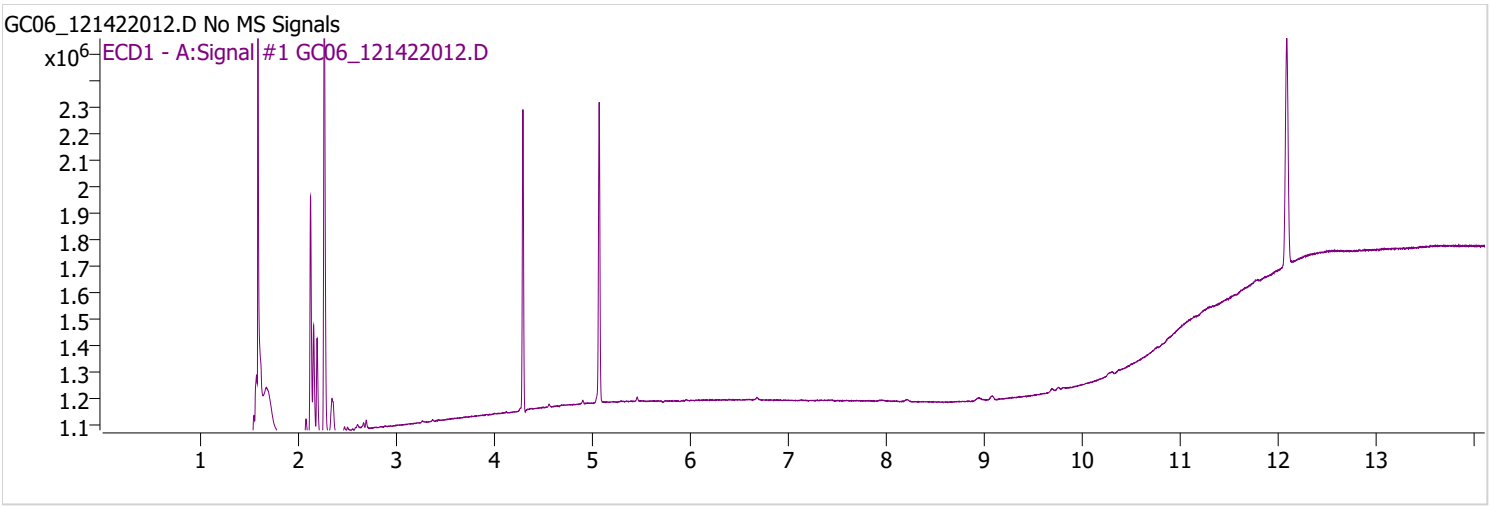
ISTD (CCV gc06_121422004)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

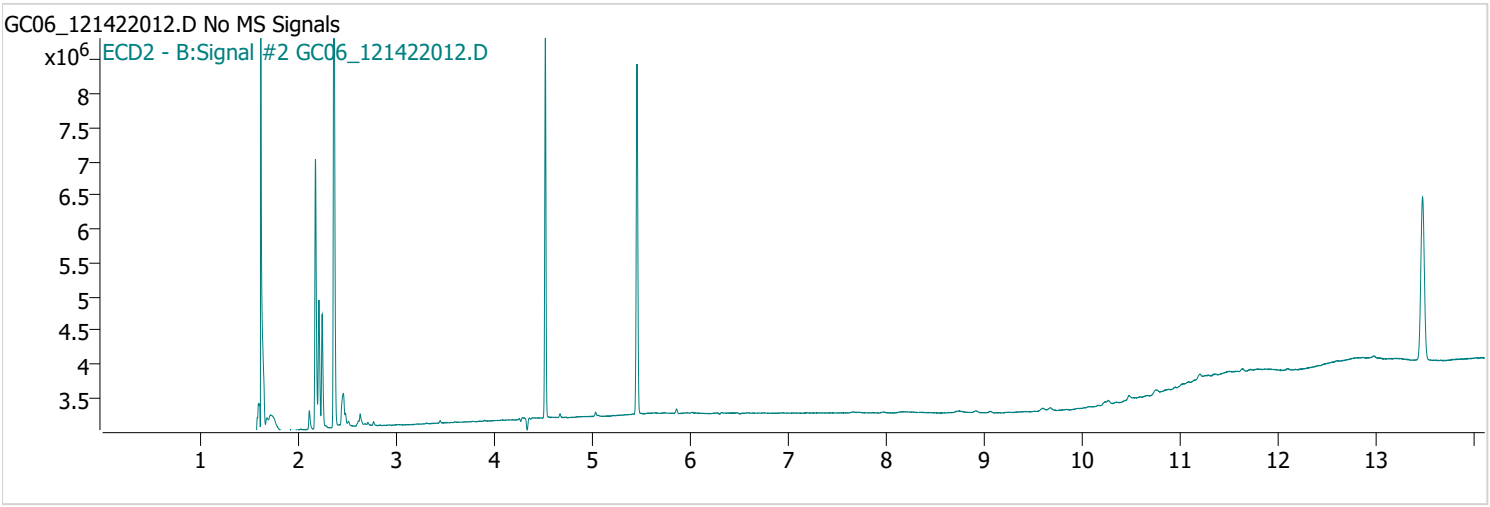
Analyst: TRN 12/15/22

Reviewer: LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422012.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 3:26:35 PM
Sample Name	QC1031896, 303181, 1	Instrument	SVOA-GC06
Vial	1	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



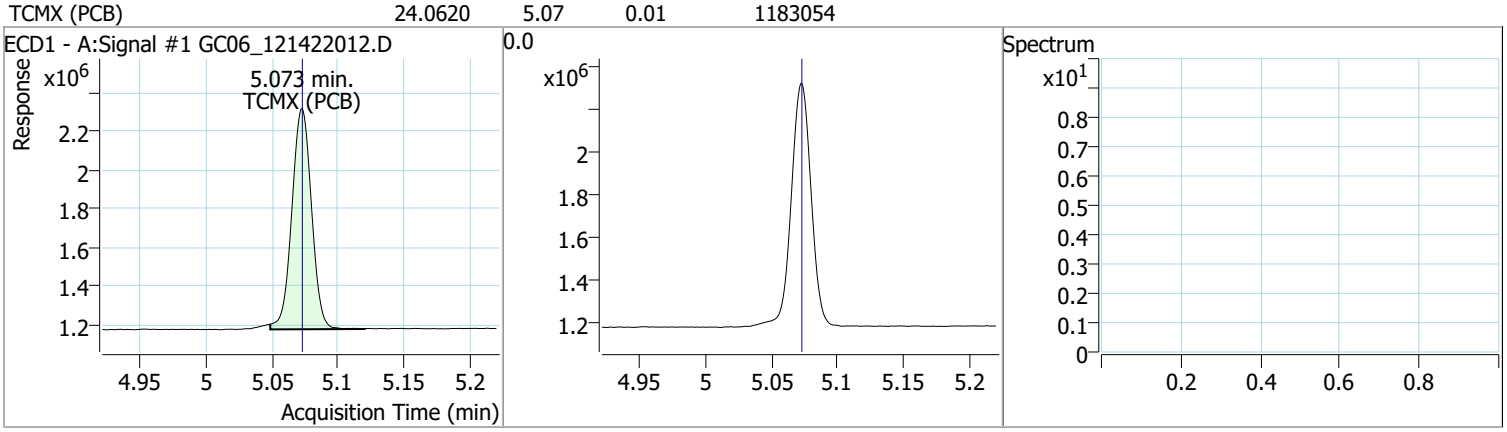


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.293	0.0	1022646.312	20.0000	ng/ml	0.007
M 1-bromo-2-nitrobenzene (PCB) #2	4.523	0.0	4972289.053	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.073	0.0	1183054.466	24.0620	ng/ml	0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 120.31%		
S TCMX (PCB) #2	5.458	0.0	5710459.048	23.9140	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 119.57%		
S Decachlorobiphenyl (PCB)	12.094	0.0	1672537.064	22.6623	ng/ml	0.016
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 113.31%		
S Decachlorobiphenyl (PCB) #2	13.482	0.0	6116400.872	22.0709	ng/ml	0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 110.35%		
Target Compounds						QValue

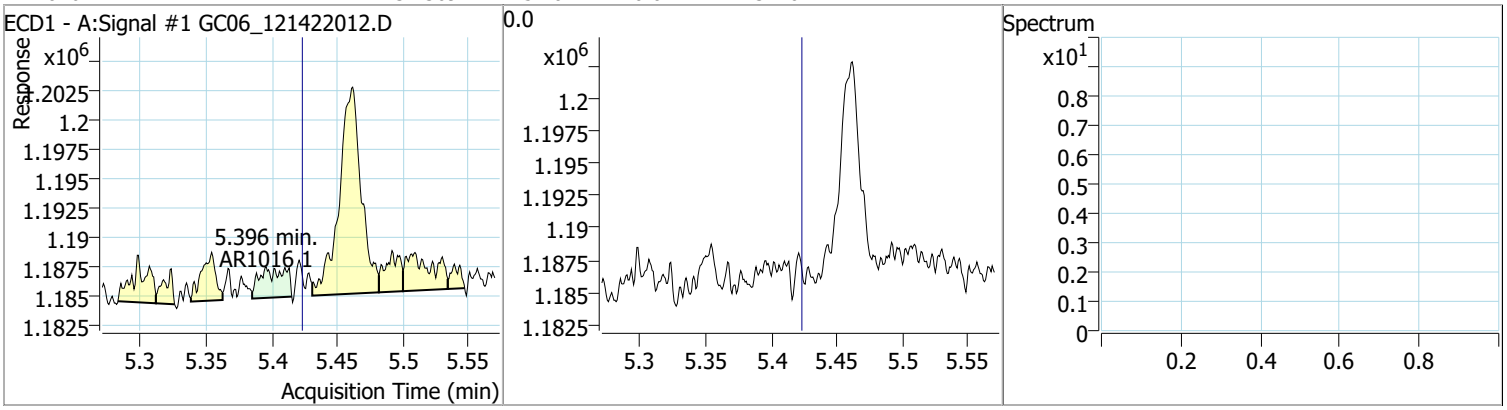
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.396	0.0	3470.464	3.2369	ng/ml	100
T AR1016 2	5.776	0.0	9535.542	0.0000	ng/ml	100
T AR1016 1 #2	5.968	0.0	30421.318	5.8867	ng/ml	100
T AR1016 3	6.240	0.0	600.158	0.2208	ng/ml	100
T AR1016 4	6.368	0.0	1024.587	0.4956	ng/ml	100
T AR1016 2 #2	6.402	0.0	75285.341	10.0919	ng/ml	100
T AR1016 5	6.577	0.0	1342.928	0.8064	ng/ml	100
T AR1016 3 #2	6.968	0.0	5889.713	0.4345	ng/ml	100
T AR1016 4 #2	7.166	0.0	1312.813	0.1357	ng/ml	100
T AR1016 5 #2	7.311	0.0	9473.072	1.2043	ng/ml	100
T AR1260 1	8.748	0.0	595.286	0.1722	ng/ml	100
T AR1260 2	0.000		0	N.D.		
T AR1260 3	9.703	0.0	16246.326	2.9494	ng/ml	100
T AR1260 1 #2	10.023	0.0	4413.546	0.2983	ng/ml	100
T AR1260 4	10.316	0.0	34689.957	0.0000	ng/ml	100
T AR1260 2 #2	10.271	0.0	215178.476	12.1026	ng/ml	100
T AR1260 3 #2	10.663	0.0	25496.380	1.1329	ng/ml	100
T AR1260 5	10.778	0.0	3956.138	0.0000	ng/ml	100
T AR1260 4 #2	11.090	0.0	49300.126	0.0000	ng/ml	100
T AR1260 5 #2	11.361	0.0	33548.467	0.0000	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

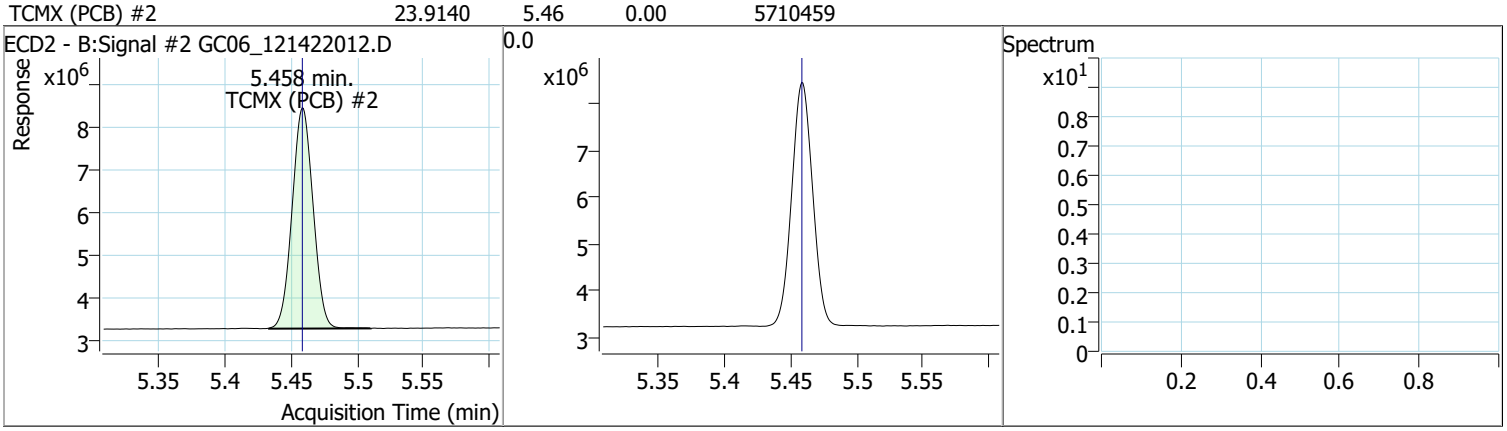
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	24.0620	5.07	0.01	1183054				



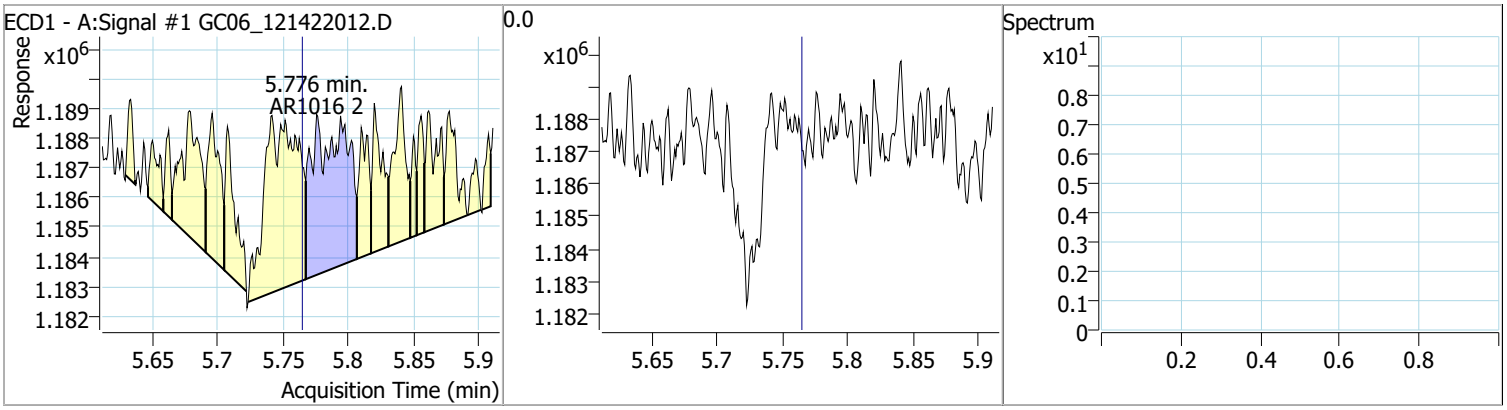
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	3.2369	5.40	-0.02	3470				



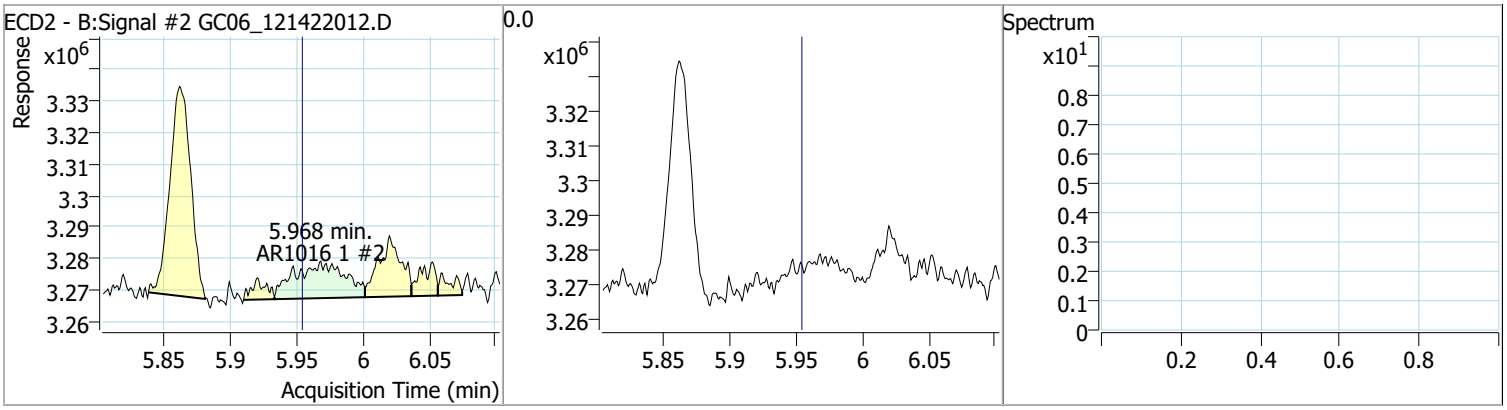
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	23.9140	5.46	0.00	5710459				



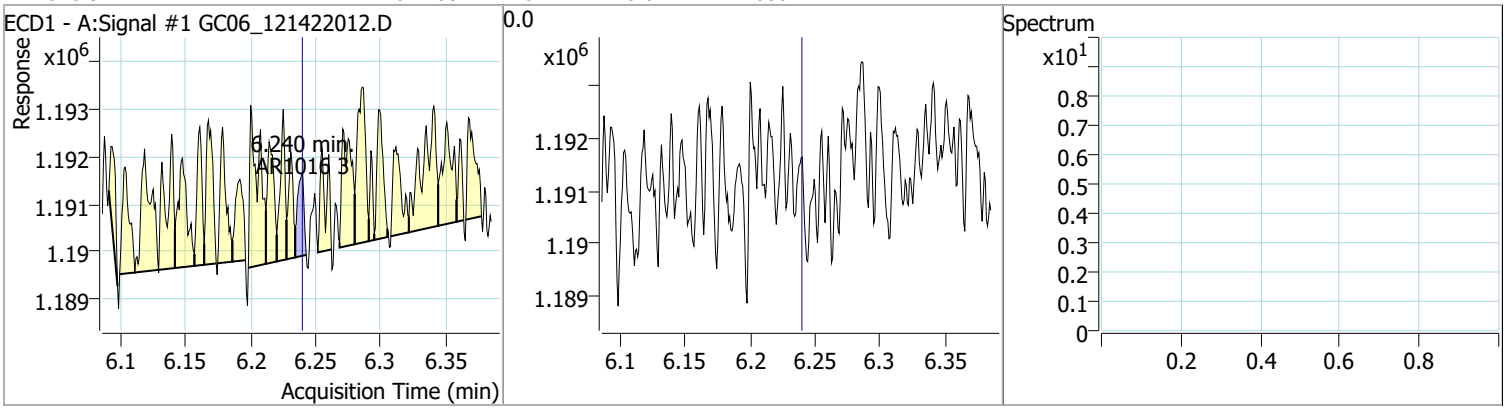
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.78	0.02	9536				



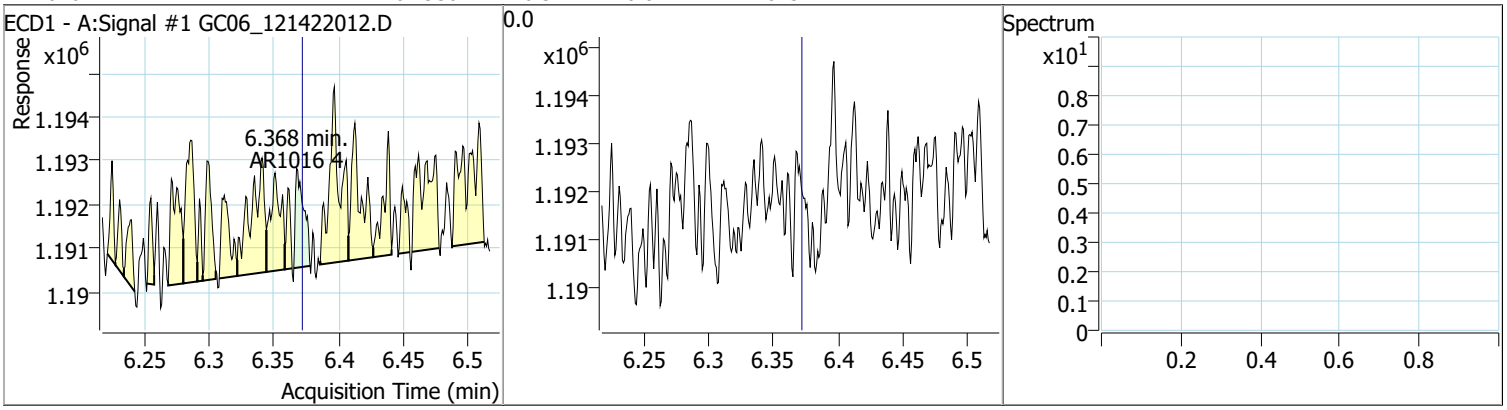
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	5.8867	5.97	0.01	30421				



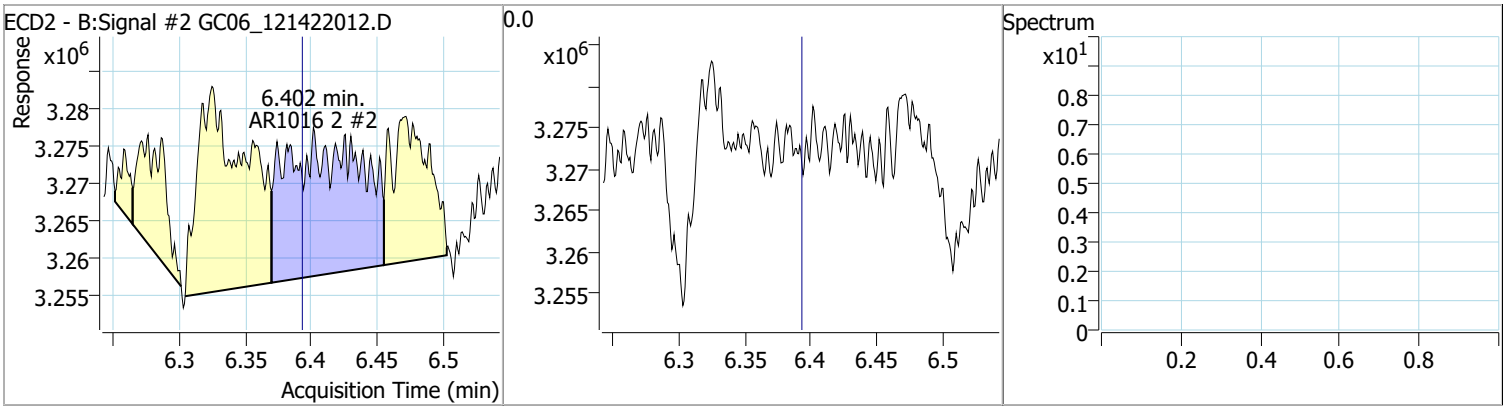
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	0.2208	6.24	0.01	600				



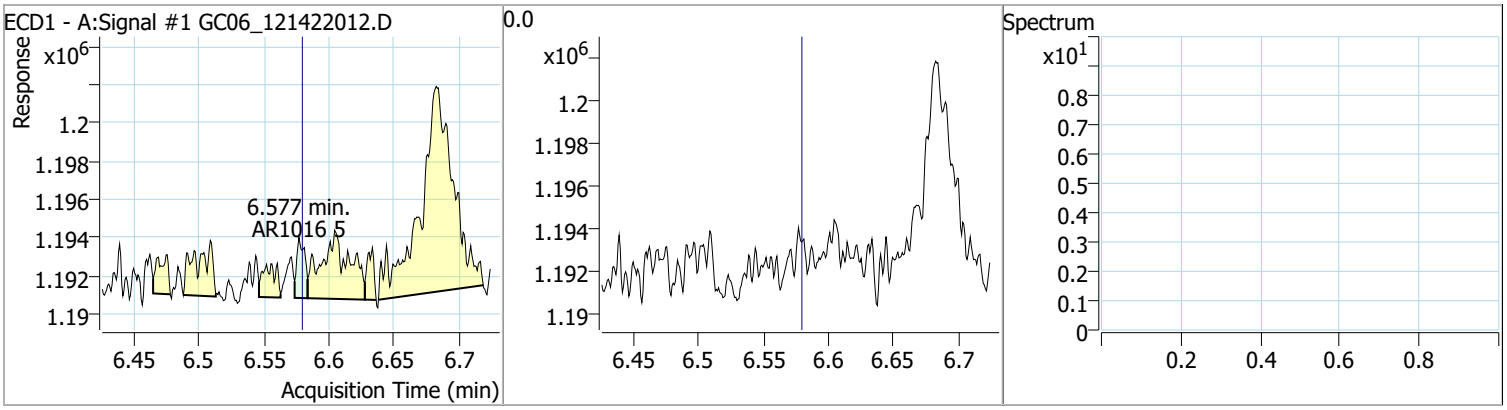
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.4956	6.37	0.01	1025				



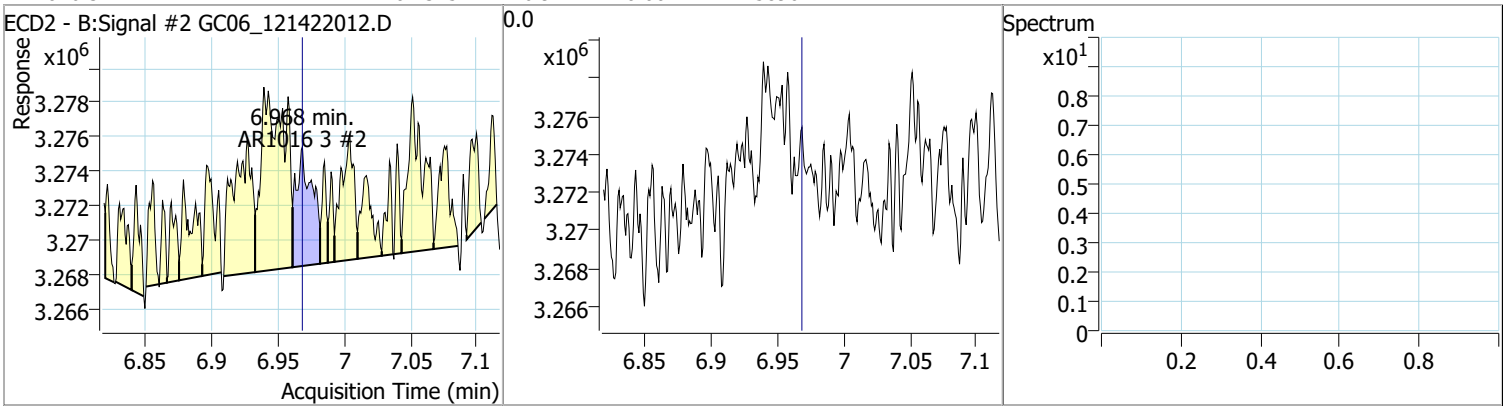
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	10.0919	6.40	0.01	75285				



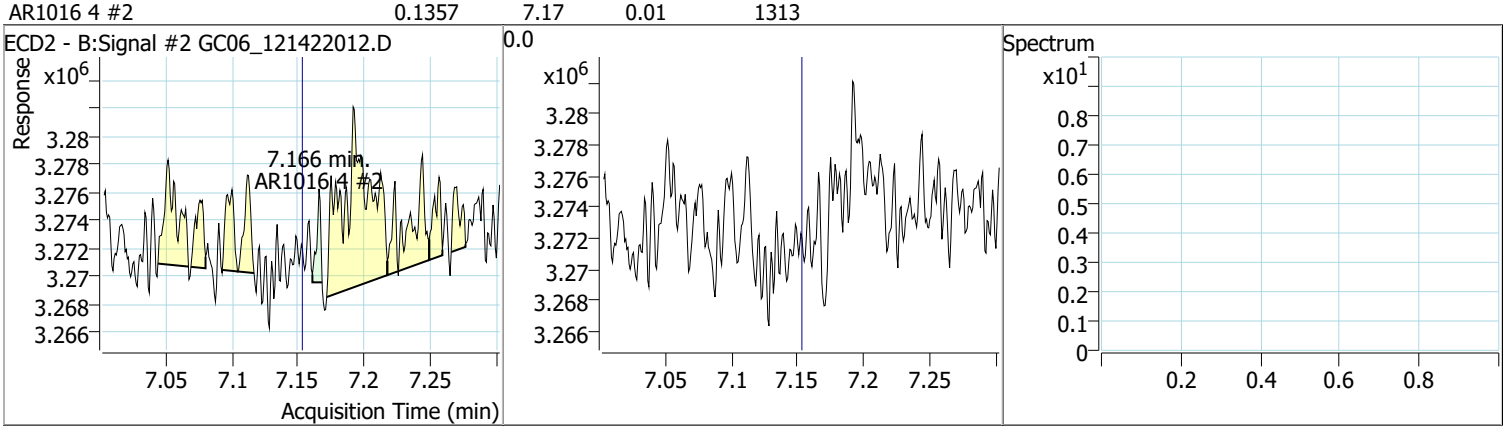
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	0.8064	6.58	0.01	1343				



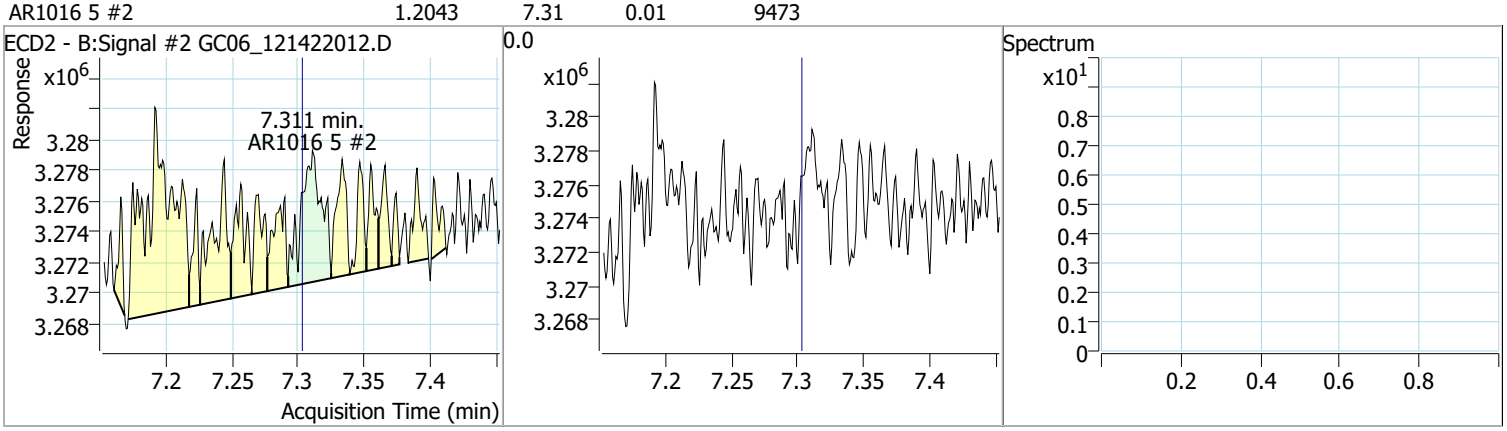
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	0.4345	6.97	0.00	5890				



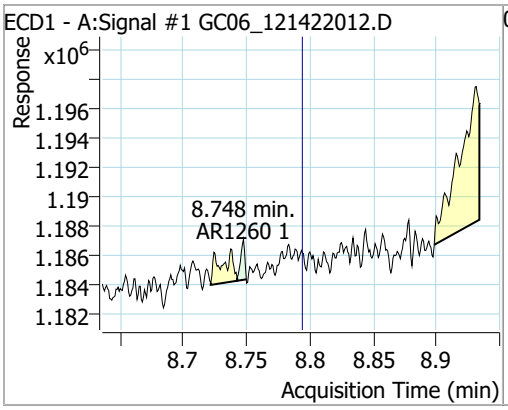
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.1357	7.17	0.01	1313				

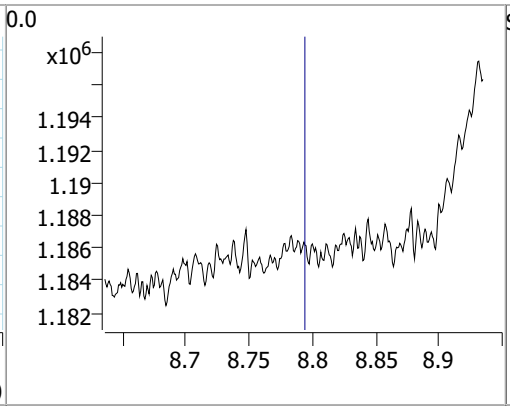


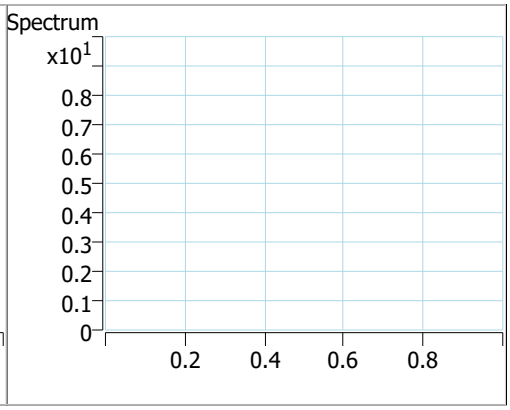
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.2043	7.31	0.01	9473				



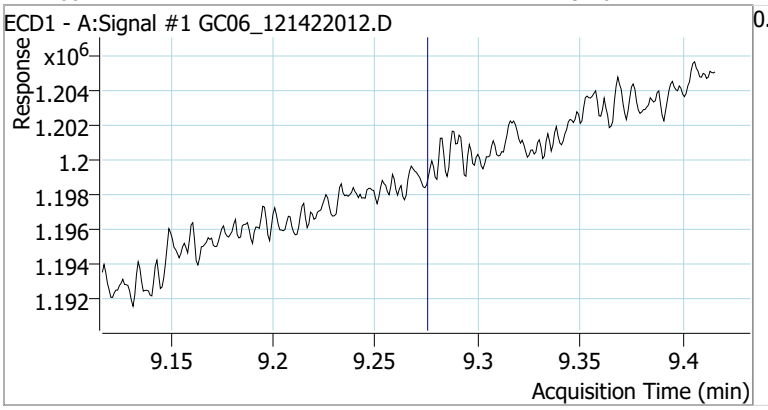
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	0.1722	8.75	-0.03	595				

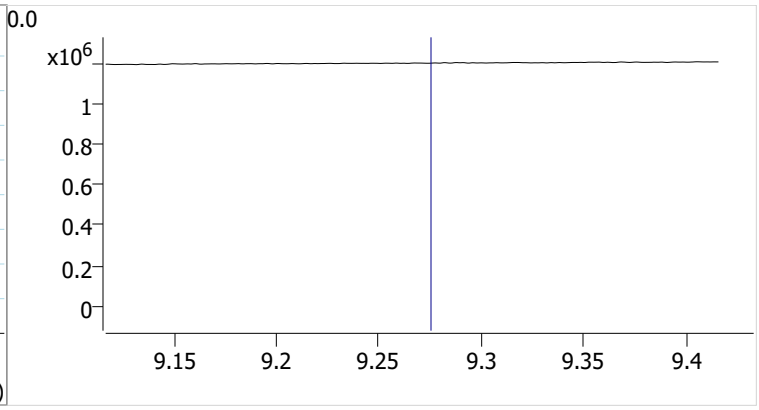




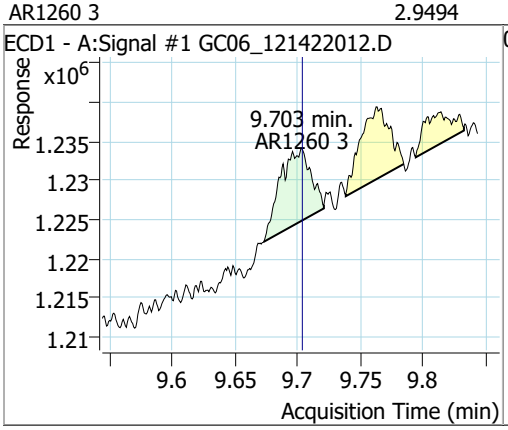


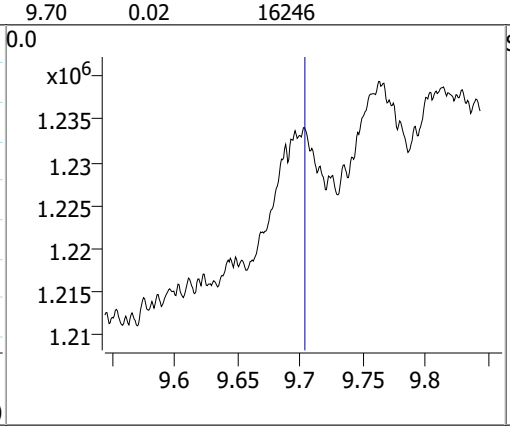
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 2	N.D.	9.26		

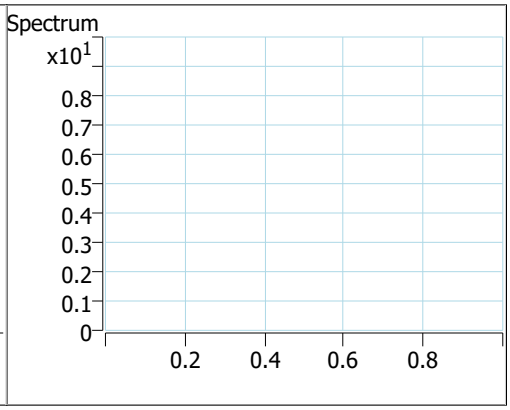




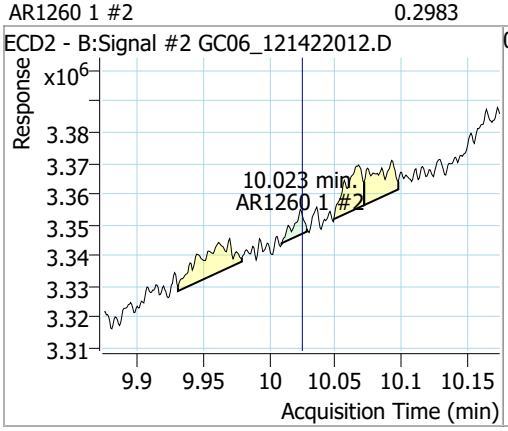
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	2.9494	9.70	0.02	16246				

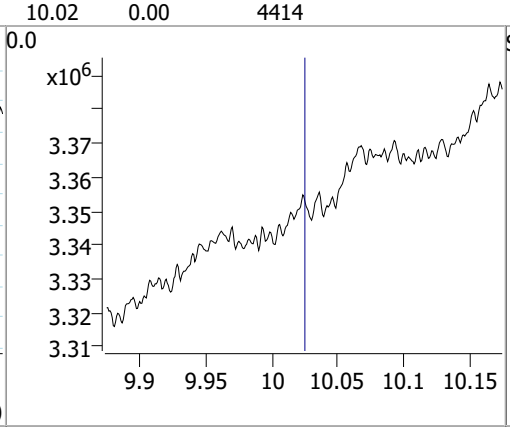


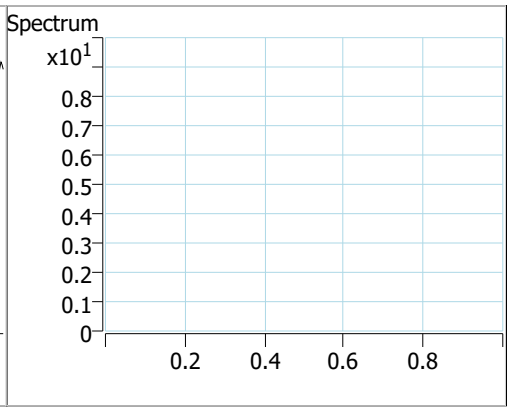




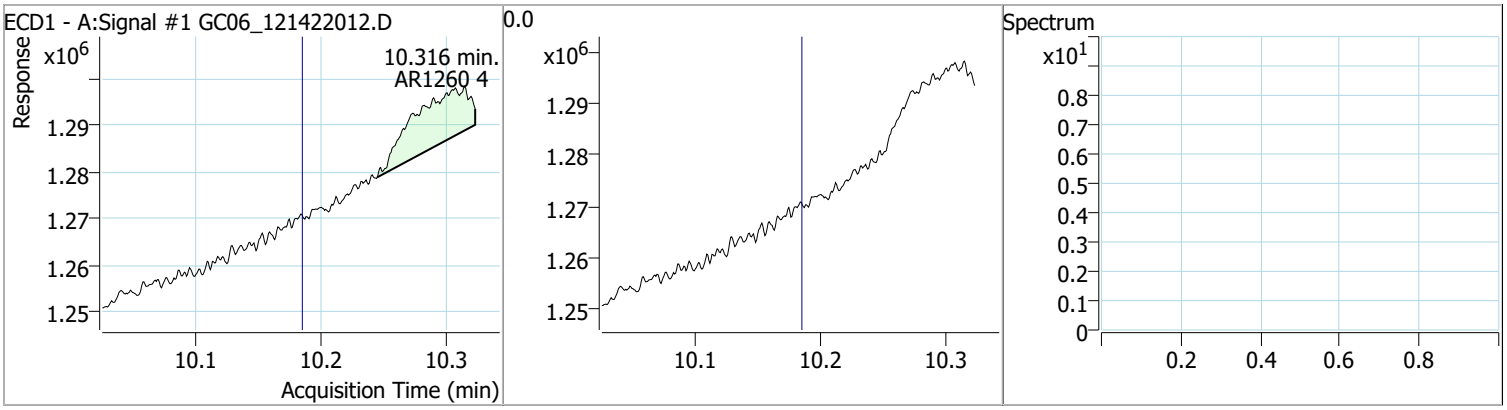
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.2983	10.02	0.00	4414				



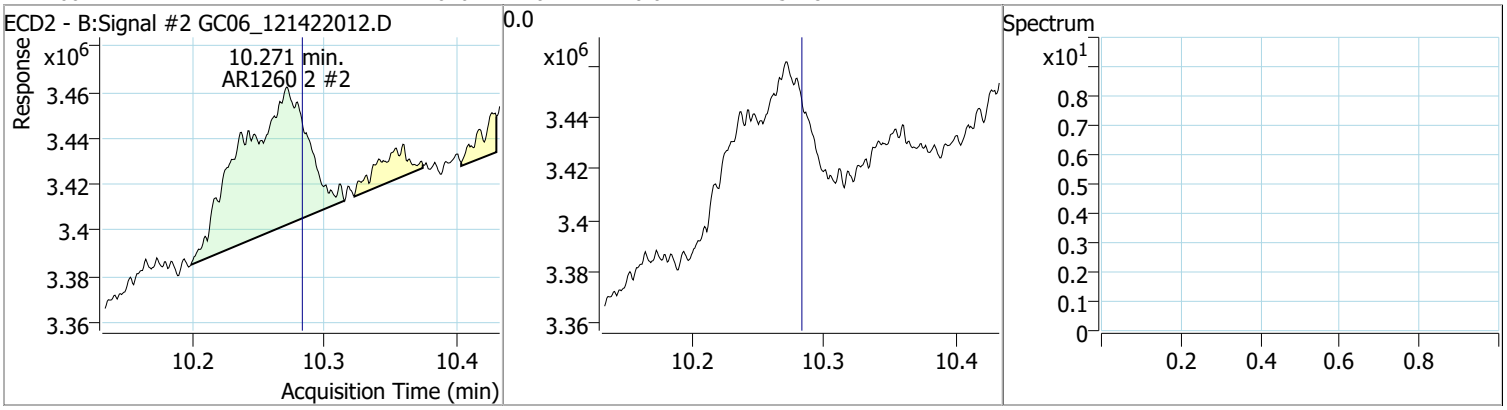




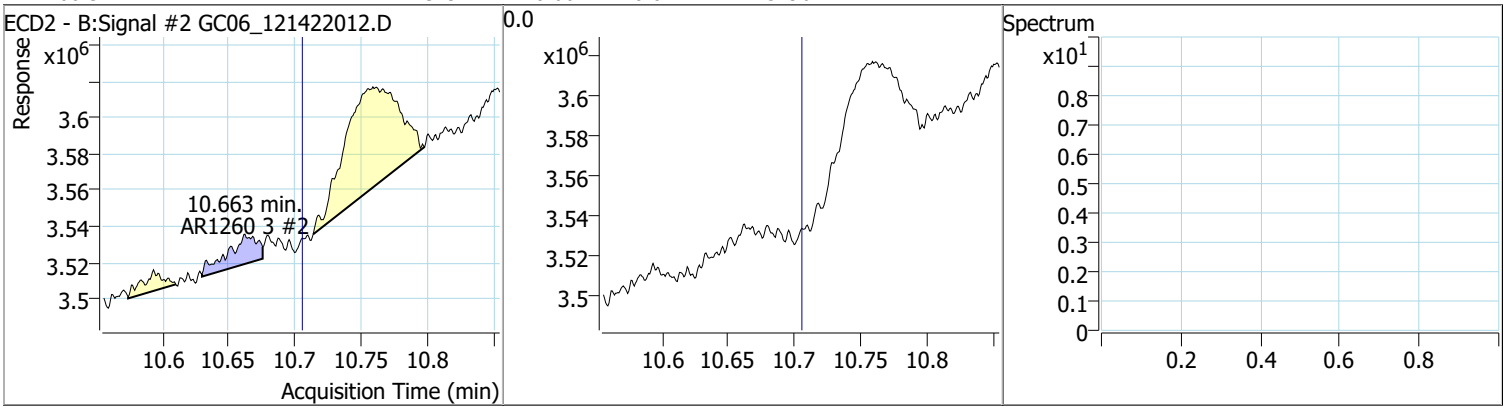
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	0.0000	10.32	0.15	34690				



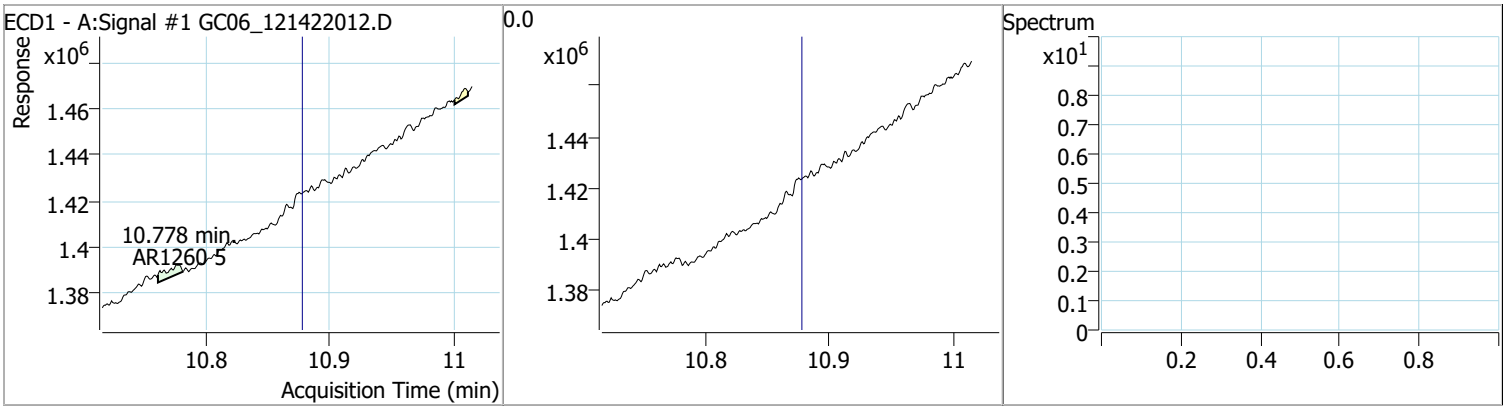
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	12.1026	10.27	-0.01	215178				



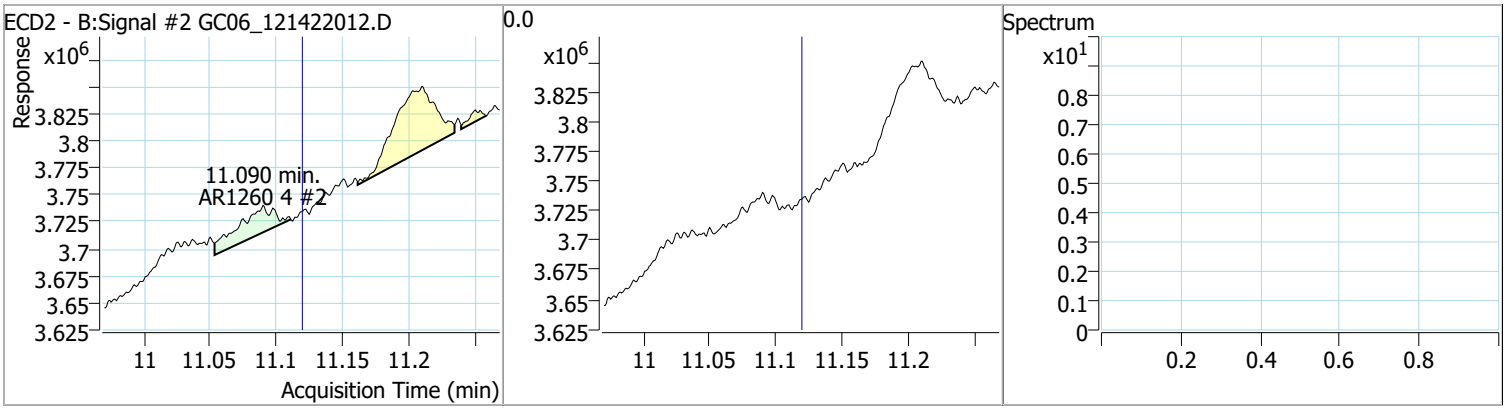
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1.1329	10.66	-0.04	25496				



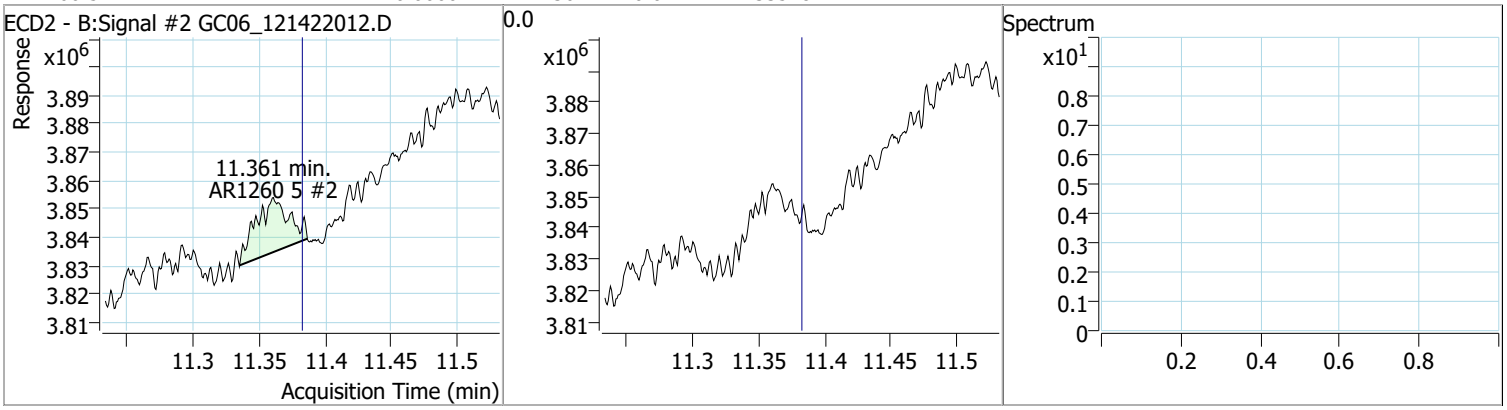
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	0.0000	10.78	-0.08	3956				



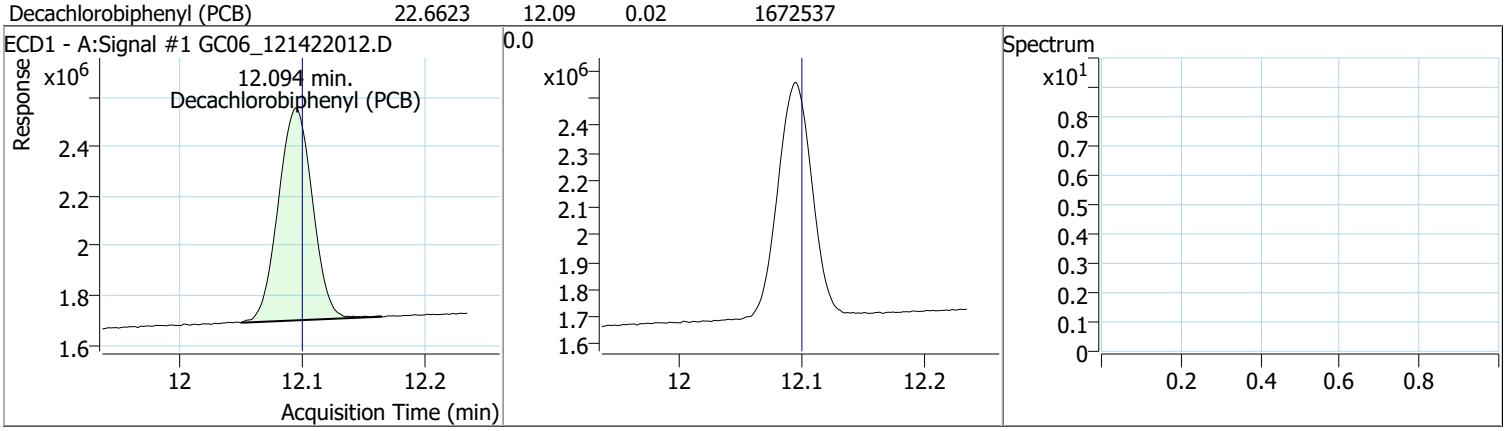
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.09	-0.03	49300				



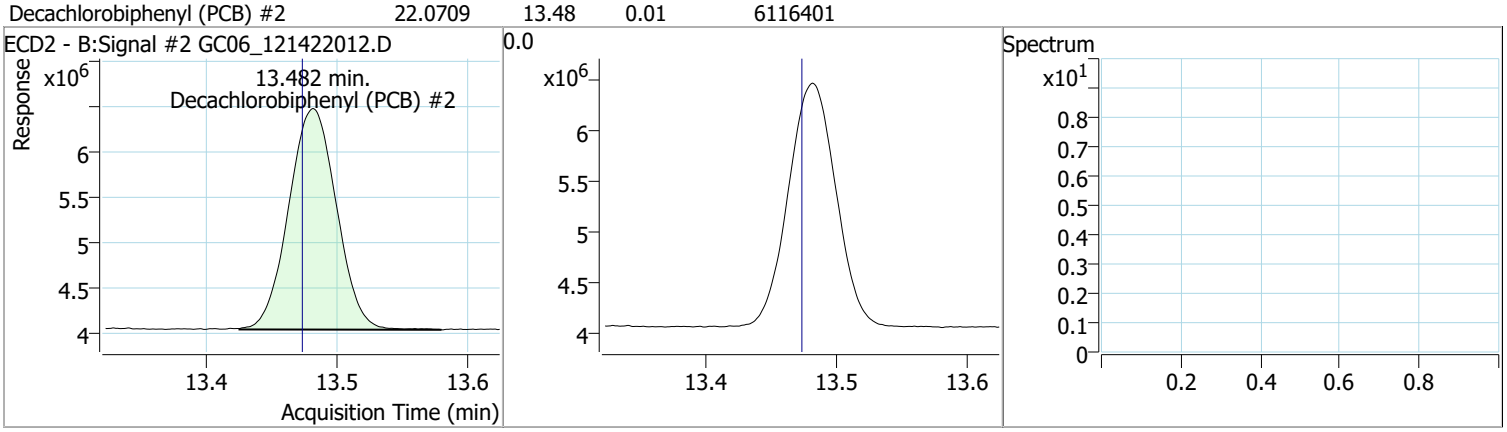
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	0.0000	11.36	-0.02	33548				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	22.6623	12.09	0.02	1672537				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	22.0709	13.48	0.01	6116401				



ENTHALPY BLANK USER REPORT FOR 474711 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Lab ID:	QC1031899		
Seqnum:	452501809041.1	Matrix:	Wipe		
File:	gc06_121422041	Batch:	303182	Time:	15-DEC-2022 00:18
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	42.70	~~0.43~~ ~~FP~~	0.63	38%	0.25	x u
Aroclor-1016 Peak # 1	B	7.797	0.08	0.03	78%		
Aroclor-1016 Peak # 2	B	10.10	0.10	ND	2571%		
Aroclor-1016 Peak # 3	B	185.7	1.86	0.04	191%		
Aroclor-1016 Peak # 4	B	4.712	0.05	0.01	116%		
Aroclor-1016 Peak # 5	B	5.259	0.05	3.13	193%		
Aroclor-1221	B		ND			**0.41**	y u
Aroclor-1232	B		ND			0.25	u
Aroclor-1242	B		ND			0.25	u
Aroclor-1248	B		ND			0.25	u
Aroclor-1254	B		ND			0.25	u
Aroclor-1260	B	4.365	ND	0.29	148%	0.25	u
Aroclor-1260 Peak # 1	B	21.53	0.22	0.58	91%		
Aroclor-1260 Peak # 2	B	9.932	0.10	0.00	197%		
Aroclor-1260 Peak # 3	B	5.293	0.05	0.12	77%		
Aroclor-1260 Peak # 4	B	-22.34	ND	0.66	406%		
Aroclor-1260 Peak # 5	B	7.408	0.07	0.12	46%		
Aroclor-1262	B		ND			0.25	u
Aroclor-1268	B		ND			**0.46**	y u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	40.54	0.5000	0.4054	81	52-121	u
Decachlorobiphenyl (PCB)	B	34.16	0.5000	0.3416	68	60-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422036)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5560467	6052909	8.86
1-bromo-2-nitrobenzene (PCB)	A	1170615	1261934	7.80

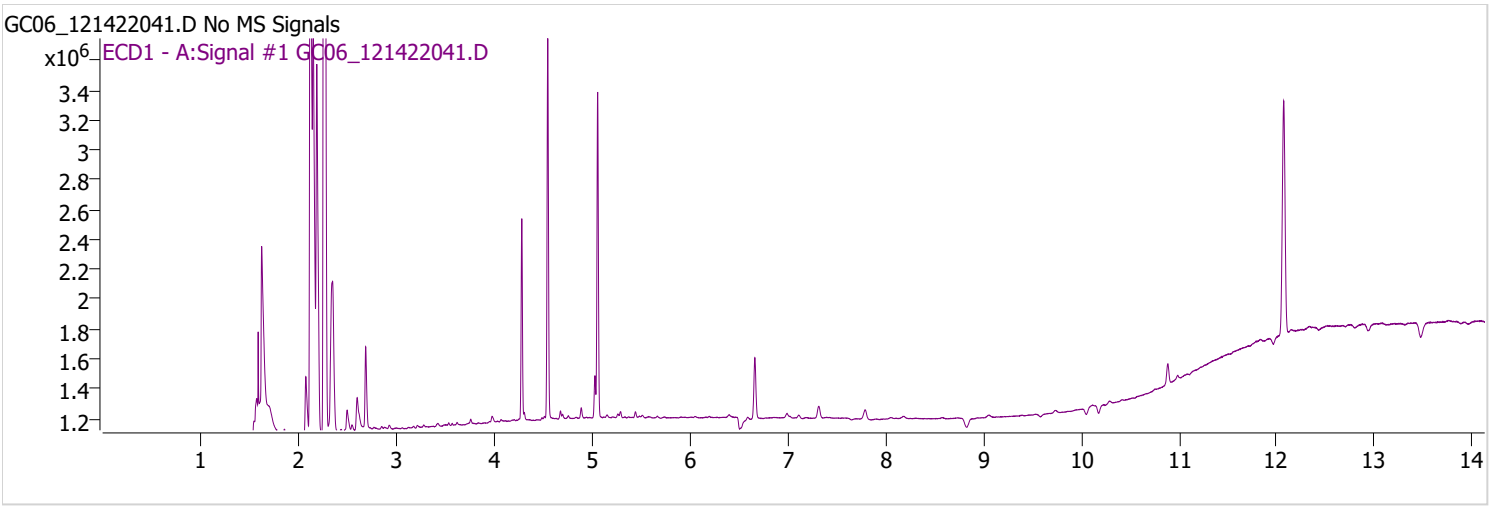
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

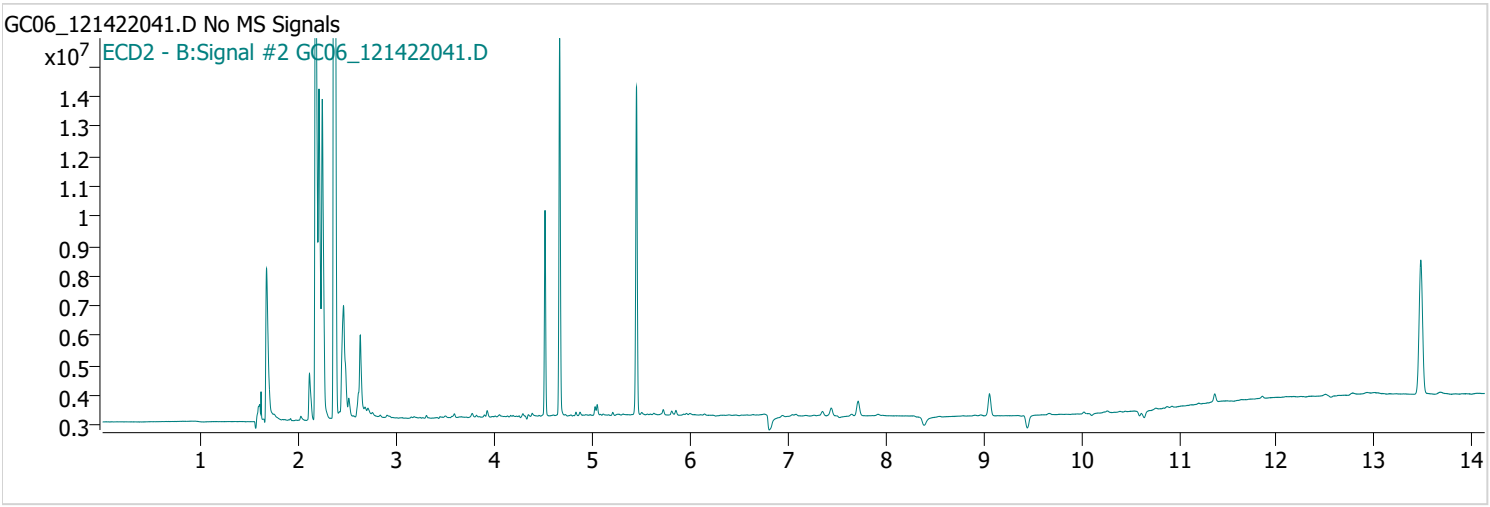
ISTD (CCV gc06_121422036)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

Analyst: TRN 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422041.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 12:18:10 AM
Sample Name	QC1031899, 303182, 1	Instrument	SVOA-GC06
Vial	24	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



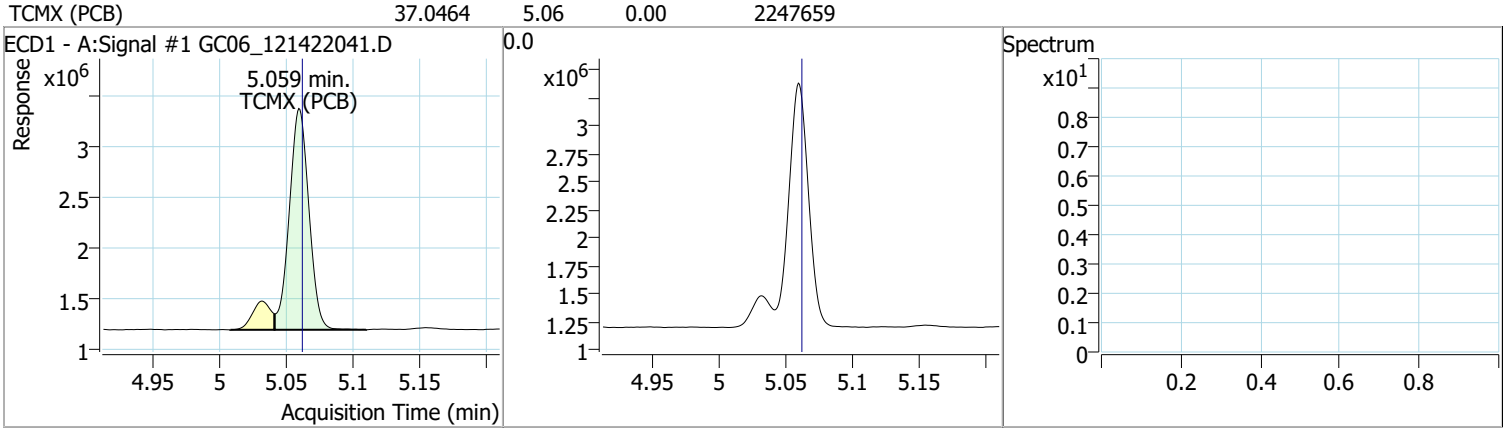


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	1261934.203	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	6052908.818	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.059	0.0	2247659.258	37.0464	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 185.23%		*	
S TCMX (PCB) #2	5.457	0.0	11784594.068	40.5403	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 202.70%		*	
S Decachlorobiphenyl (PCB)	12.071	0.0	3249283.193	38.1607	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 190.80%		*	
S Decachlorobiphenyl (PCB) #2	13.472	0.0	11167814.484	34.1607	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 170.80%		*	
Target Compounds							QValue

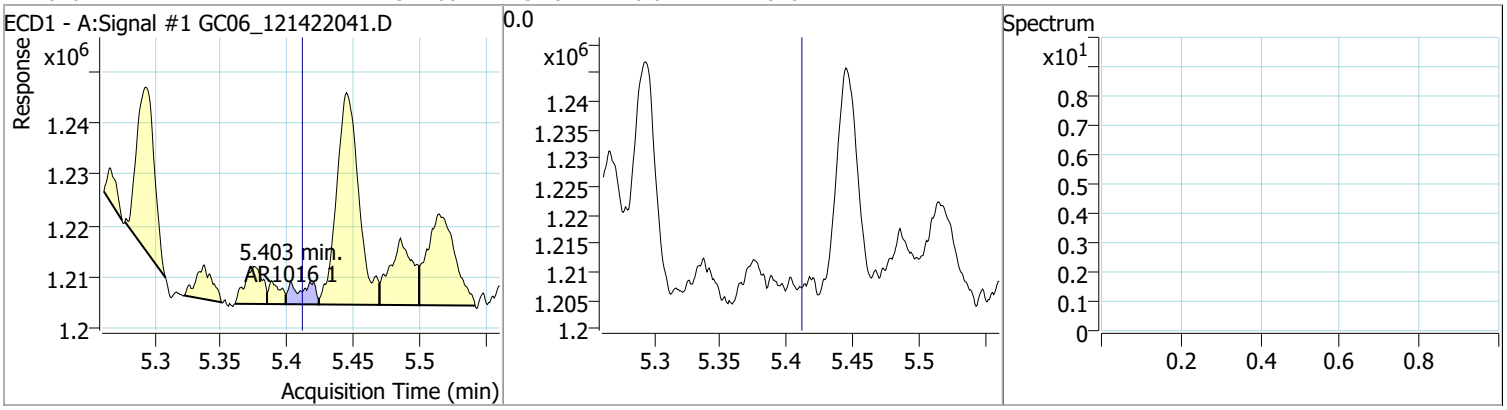
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.403	0.0	4525.871	3.4208	ng/ml	100
T AR1016 2	5.743	0.0	17760.513	0.0000	ng/ml	100
T AR1016 1 #2	5.938	0.0	49054.098	7.7976	ng/ml	100
T AR1016 3	6.202	0.0	15051.100	4.4869	ng/ml	100
T AR1016 4	6.348	0.0	3192.254	1.2512	ng/ml	100
T AR1016 2 #2	6.403	0.0	91677.509	10.0953	ng/ml	100
T AR1016 5	6.666	0.0	642624.652	312.7219	ng/ml	100
T AR1016 3 #2	7.088	0.0	3063533.983	185.6613	ng/ml	100
T AR1016 4 #2	7.184	0.0	55513.769	4.7126	ng/ml	100
T AR1016 5 #2	7.273	0.0	50361.655	5.2595	ng/ml	100
T AR1260 1	8.740	0.0	245457.756	57.5297	ng/ml	100
T AR1260 2	9.243	0.0	440.805	0.0678	ng/ml	100
T AR1260 3	9.740	0.0	80865.498	11.8970	ng/ml	100
T AR1260 1 #2	10.029	0.0	387889.266	21.5334	ng/ml	100
T AR1260 4	10.116	0.0	291668.031	65.8023	ng/ml	100
T AR1260 2 #2	10.263	0.0	214973.925	9.9325	ng/ml	100
T AR1260 3 #2	10.616	0.0	144999.390	5.2927	ng/ml	100
T AR1260 5	10.887	0.0	226547.223	11.8393	ng/ml	100
T AR1260 4 #2	11.123	0.0	19742.237	0.0000	ng/ml	100
T AR1260 5 #2	11.367	0.0	593597.601	7.4143	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

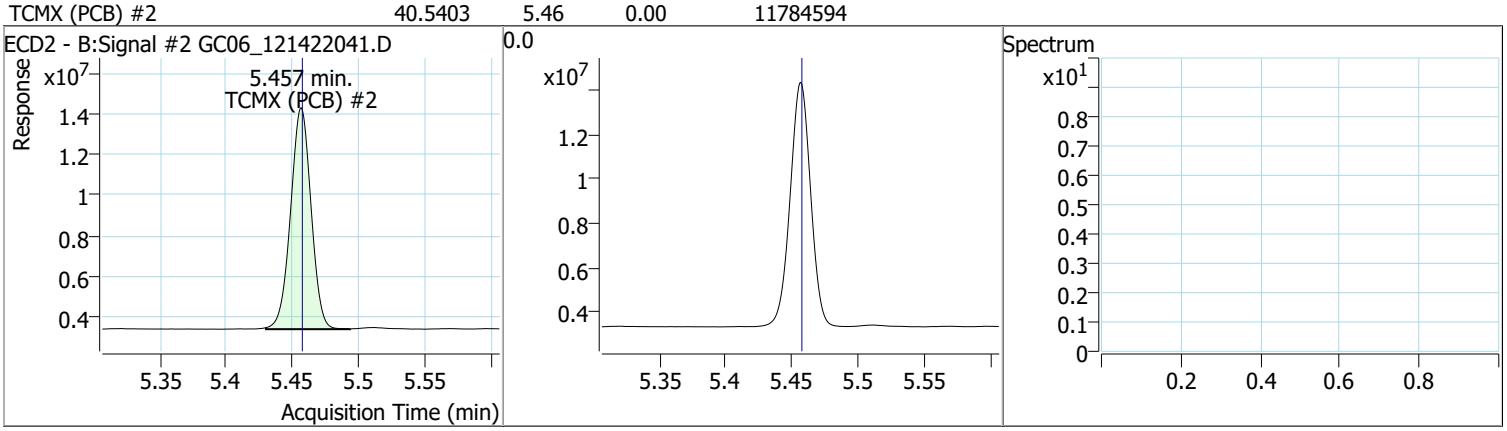
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.0464	5.06	0.00	2247659				



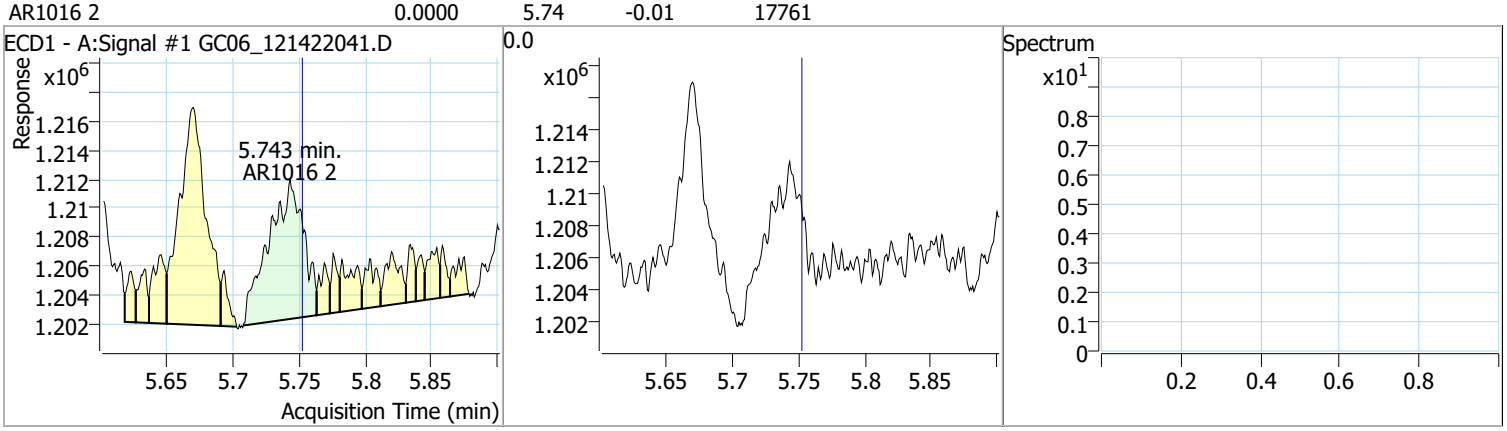
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	3.4208	5.40	-0.01	4526				



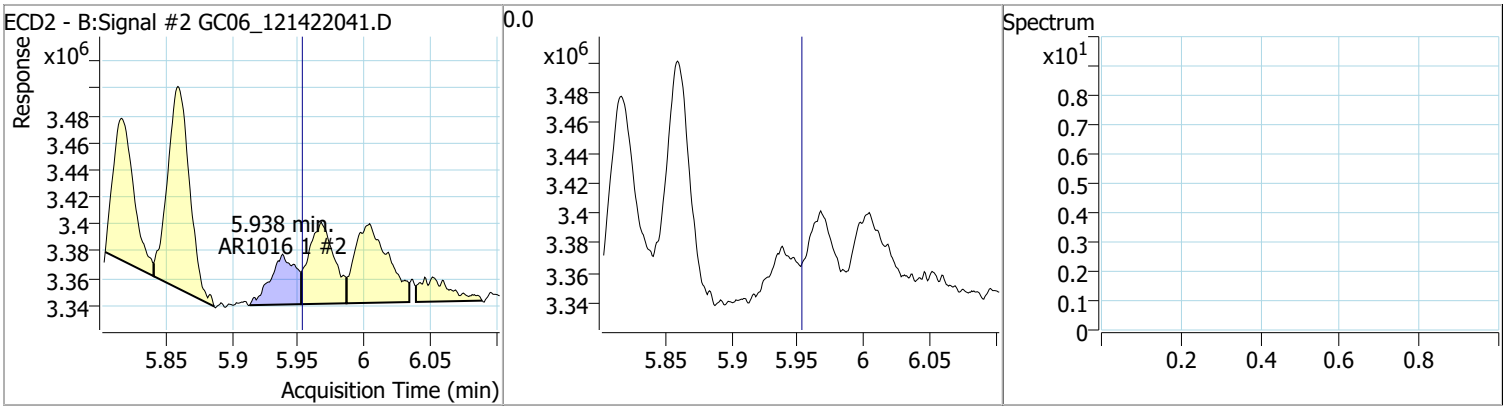
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	40.5403	5.46	0.00	11784594				



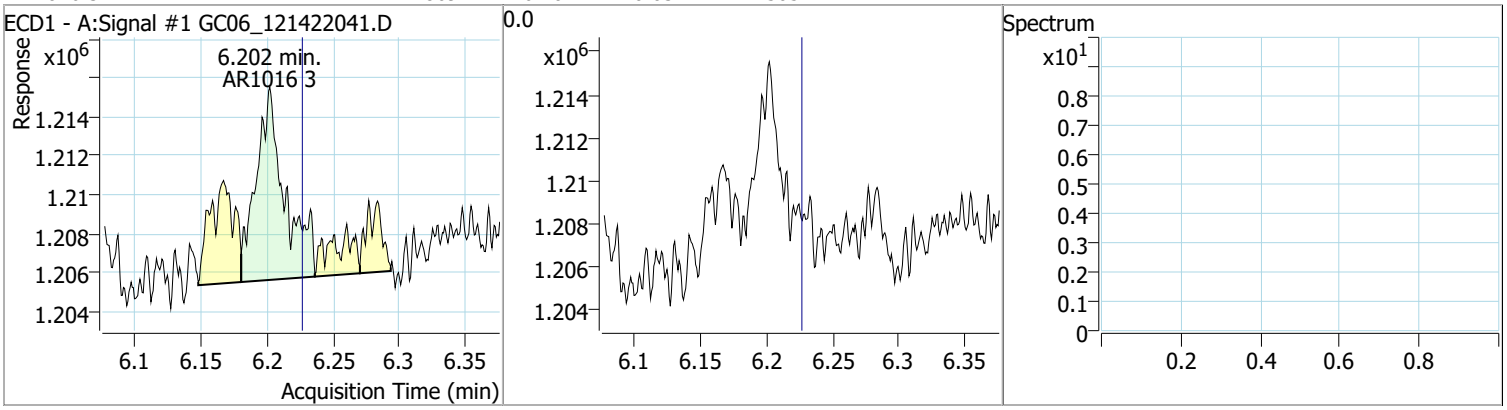
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.74	-0.01	17761				



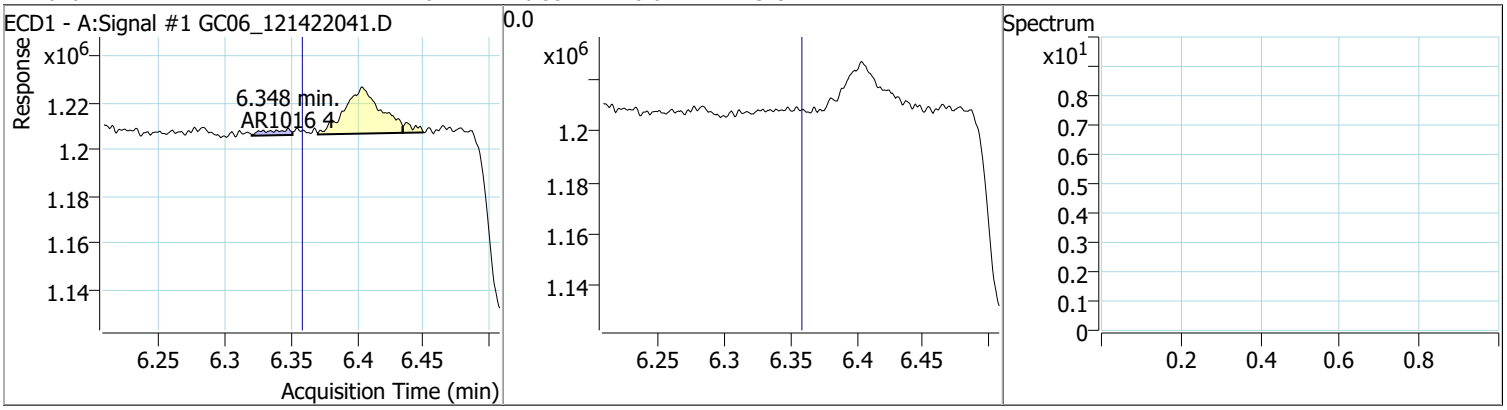
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	7.7976	5.94	-0.02	49054				



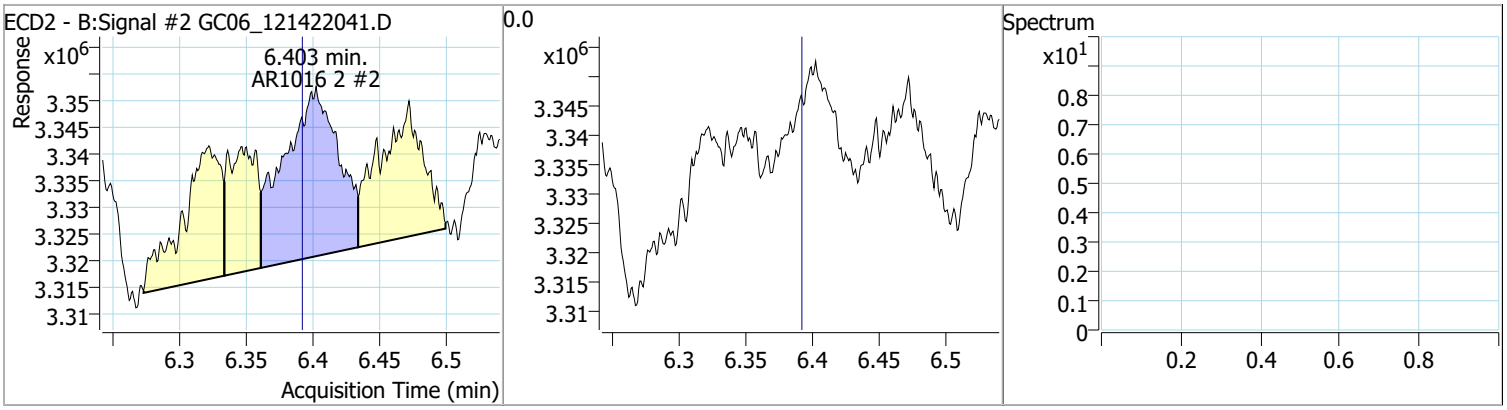
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	4.4869	6.20	-0.03	15051				



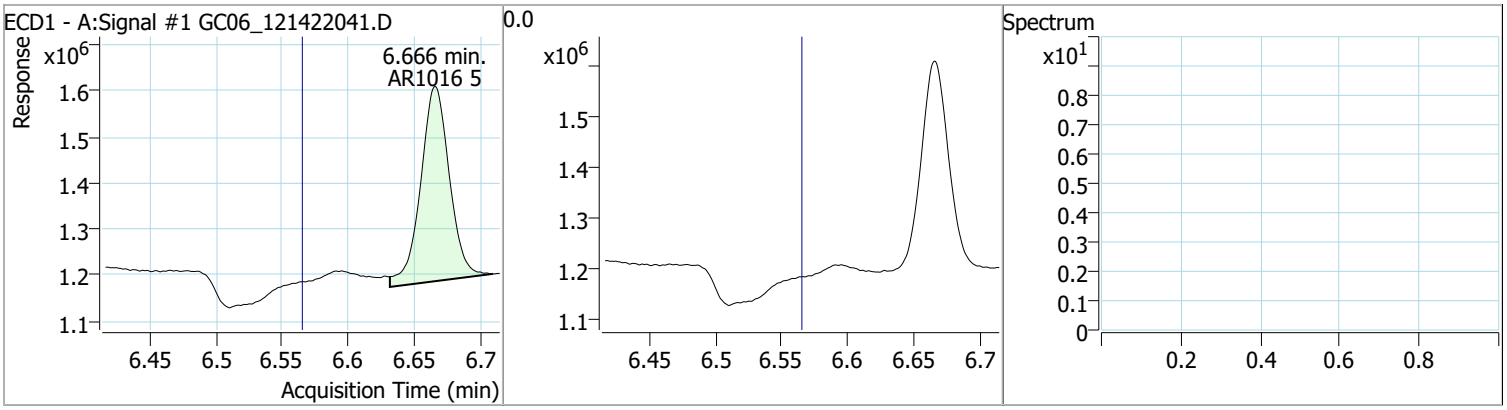
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1.2512	6.35	-0.01	3192				



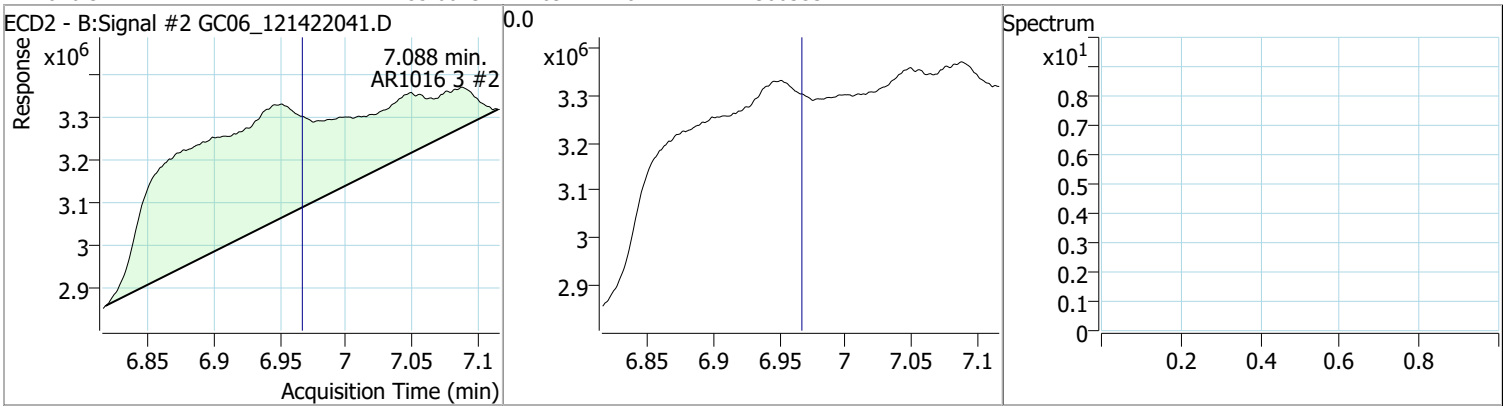
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	10.0953	6.40	0.01	91678				



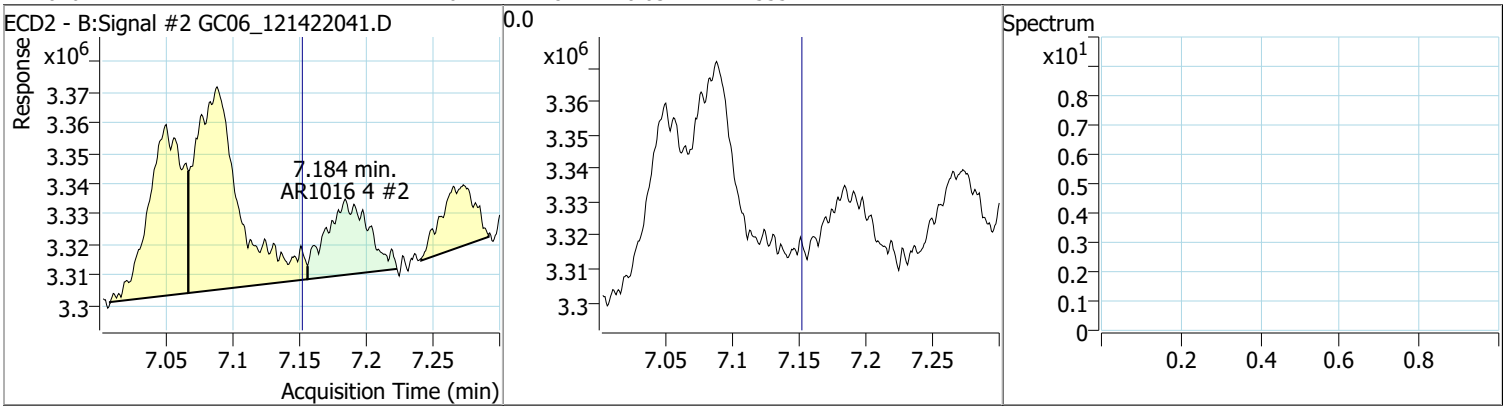
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	312.7219	6.67	0.10	642625				



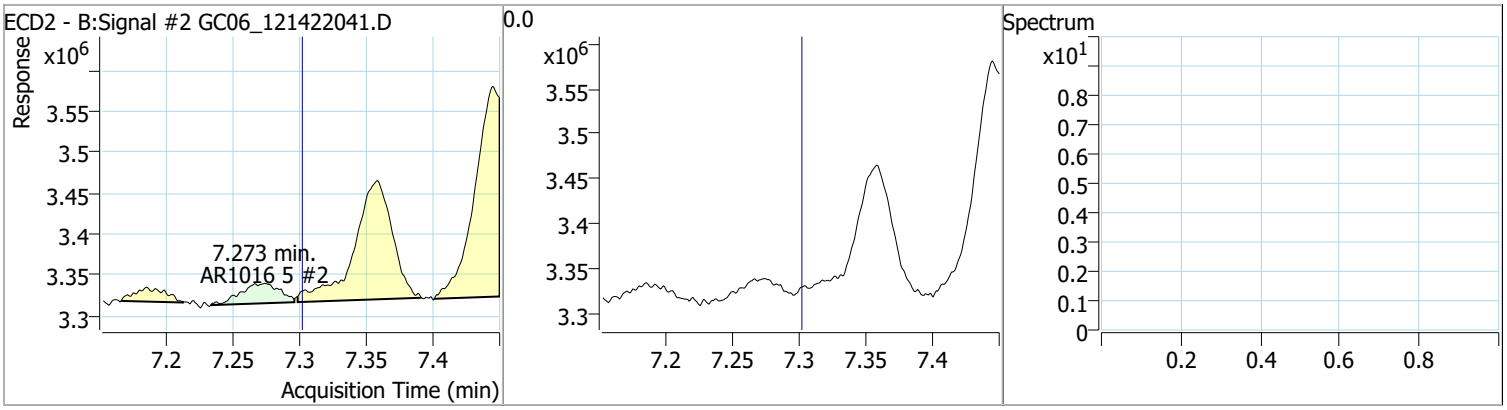
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	185.6613	7.09	0.12	3063534				



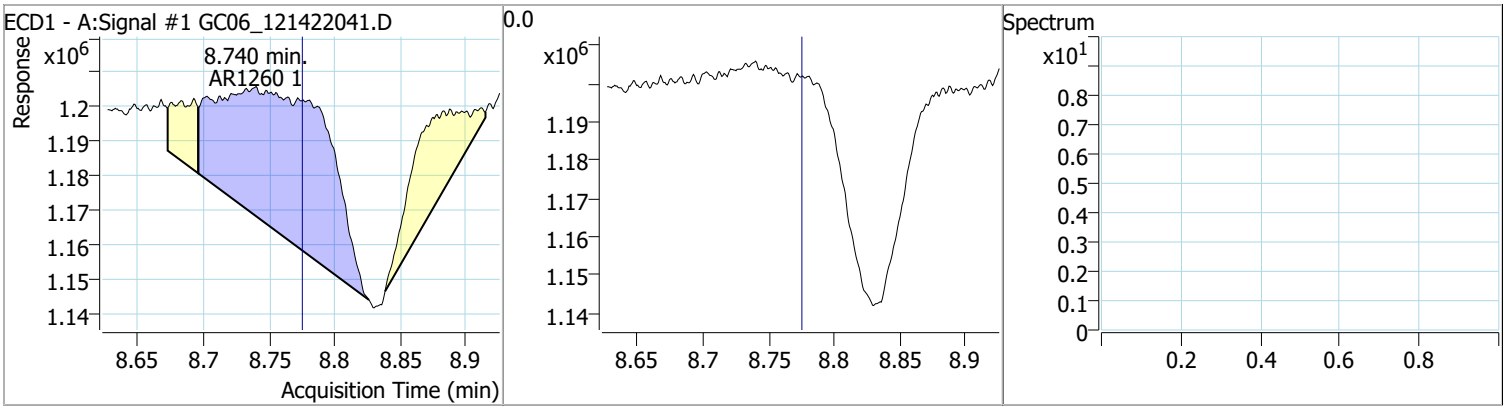
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	4.7126	7.18	0.03	55514				



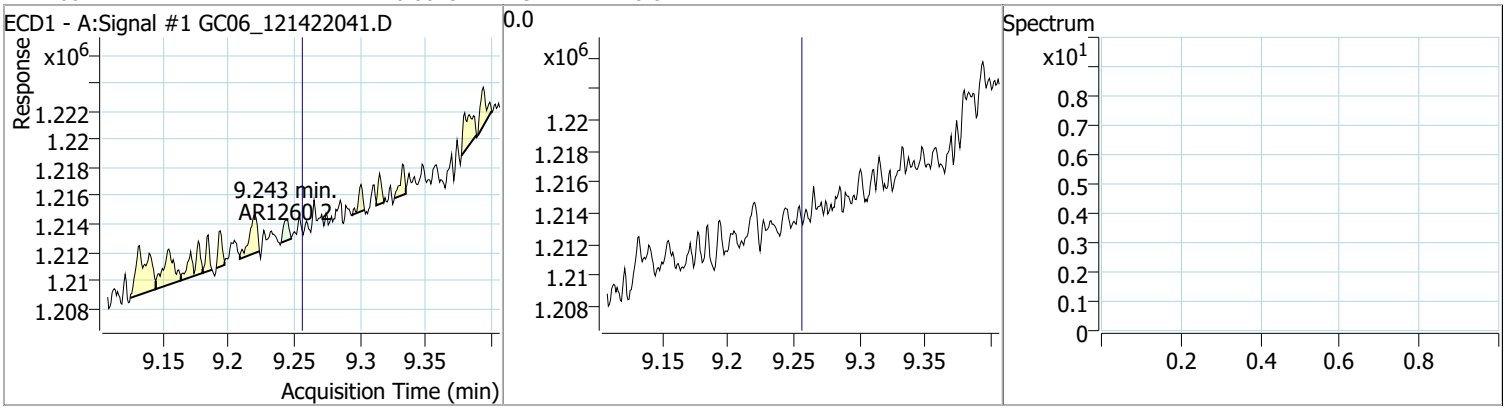
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	5.2595	7.27	-0.03	50362				



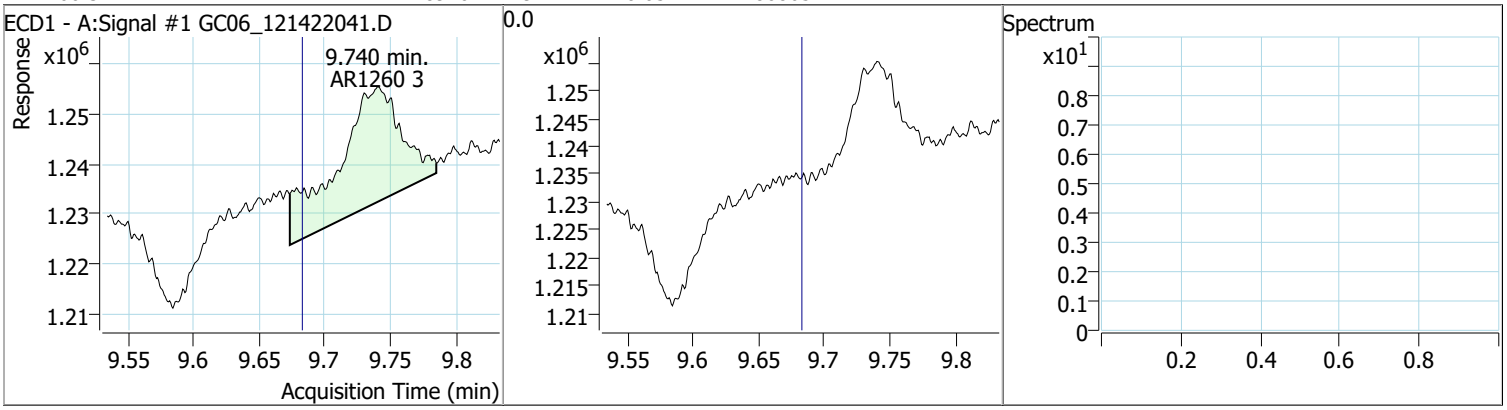
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	57.5297	8.74	-0.04	245458				



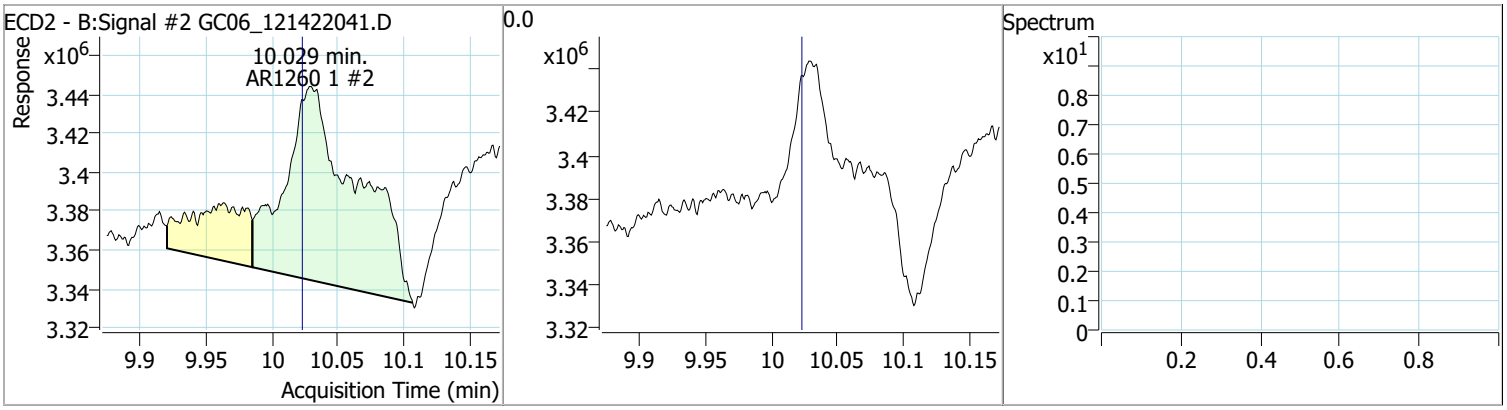
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.0678	9.24	-0.02	441				



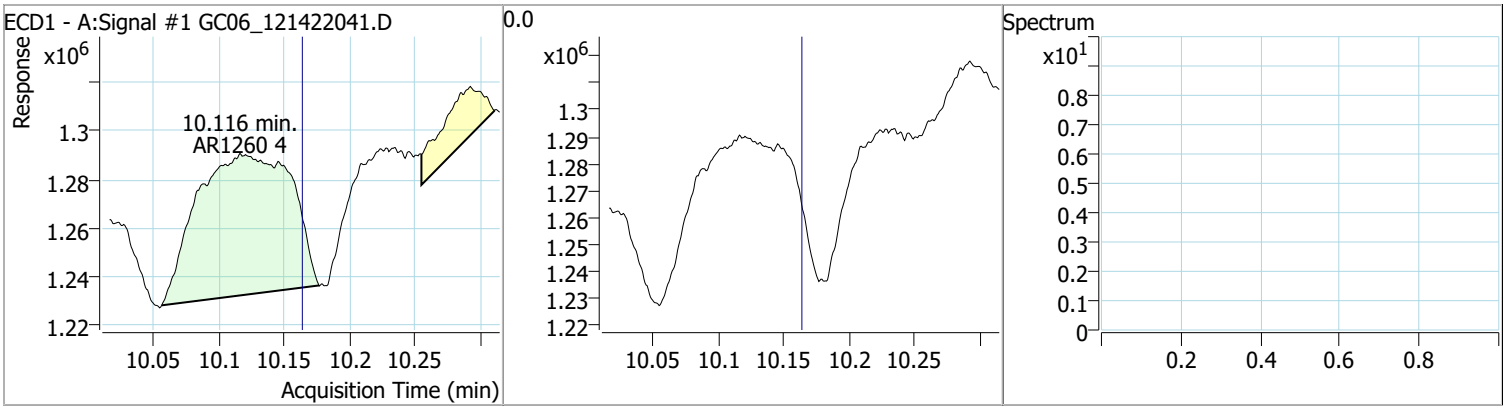
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	11.8970	9.74	0.05	80865				



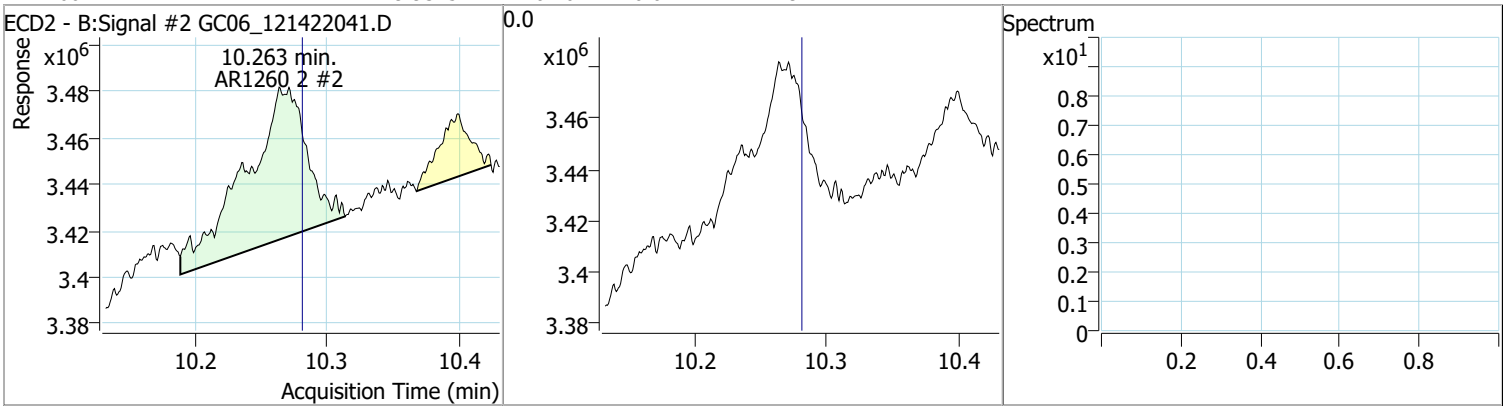
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	21.5334	10.03	0.00	387889				



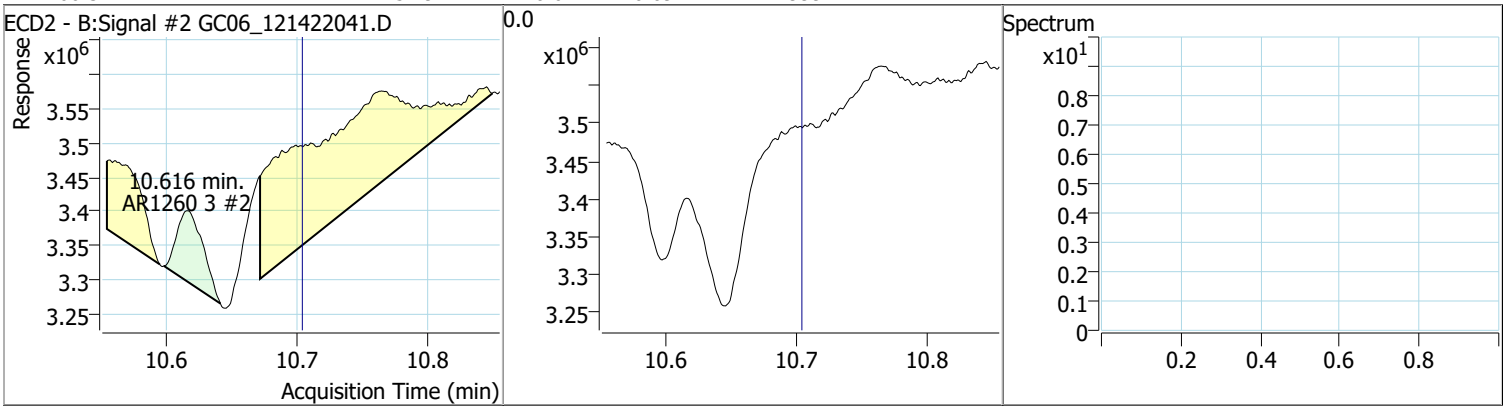
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	65.8023	10.12	-0.05	291668				



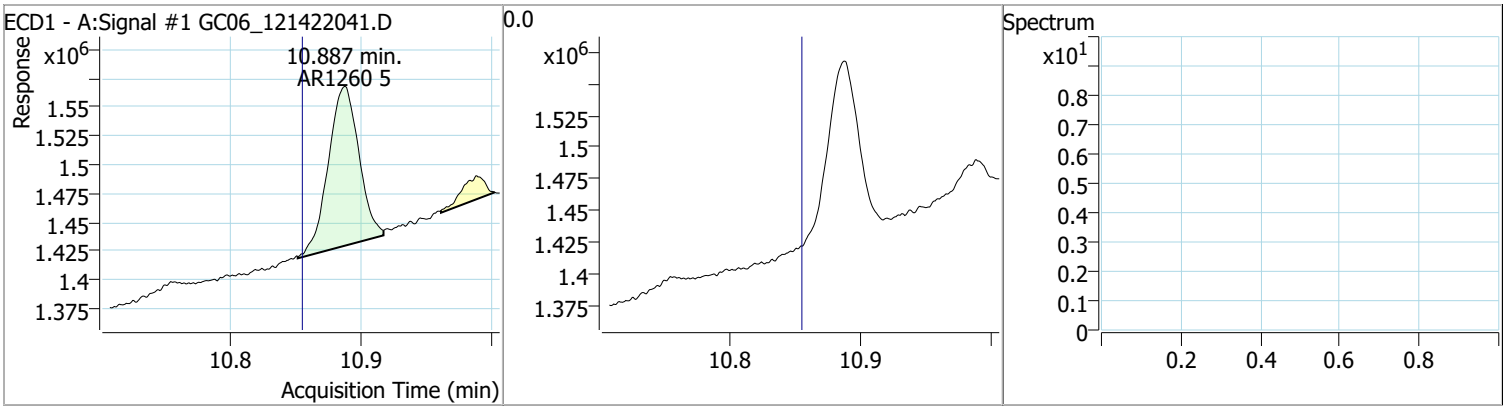
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	9.9325	10.26	-0.02	214974				



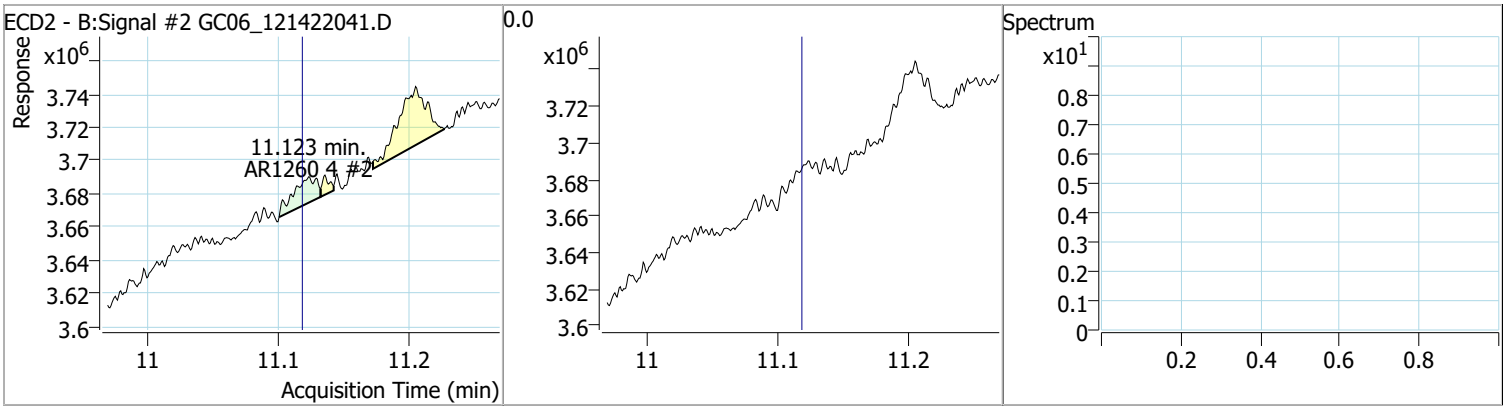
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	5.2927	10.62	-0.09	144999				



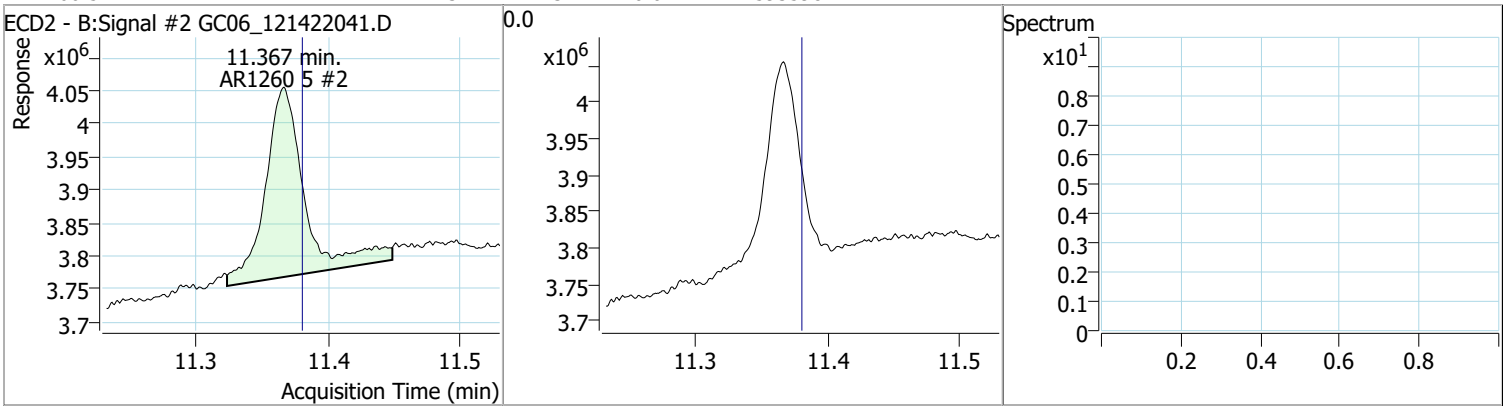
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	11.8393	10.89	0.03	226547				



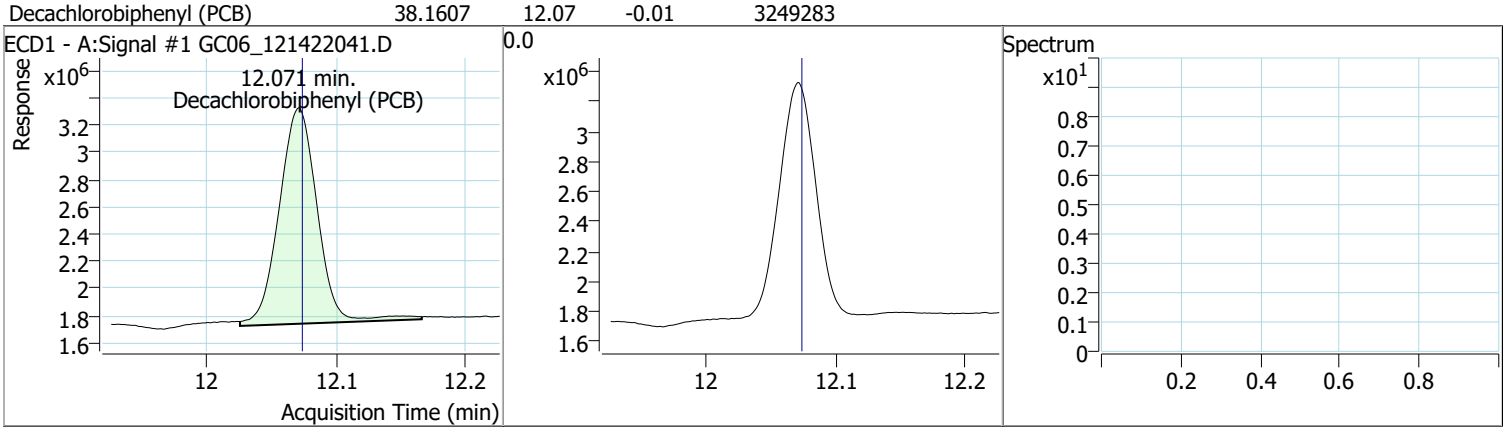
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.12	0.00	19742				



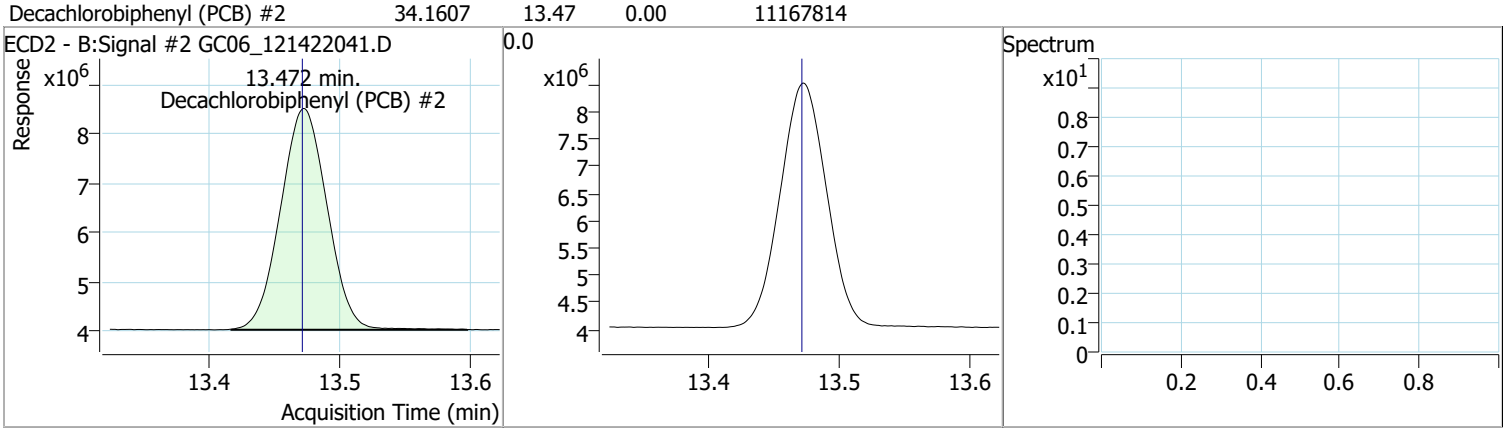
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	7.4143	11.37	-0.02	593598				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	38.1607	12.07	-0.01	3249283				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	34.1607	13.47	0.00	11167814				



ENTHALPY SPIKE USER REPORT FOR 474711 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC06	Inst:	SVOA-GC06
Seqnum:	452501809013.1	Seqnum:	452501809014.1
File:	gc06_121422013	File:	gc06_121422014
IDF:	1.0	IDF:	1.0
Lab ID:	QC1031897	Lab ID:	QC1031898
Matrix:	Wipe	Matrix:	Wipe
Batch:	303181	Batch:	303181
Time:	14-DEC-2022 15:44	Time:	14-DEC-2022 16:03
Cal:	452428510002	Cal:	452428510002
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	286.6	5.732	B	115	295.9	5.919	B	118	60-140	3	20	u
Aroclor-1016 Peak # 1		277.2	5.543	B		282.8	5.657	B					
Aroclor-1016 Peak # 2		411.3	8.227	B		421.9	8.439	B					
Aroclor-1016 Peak # 3		261.9	5.239	B		276.1	5.521	B					
Aroclor-1016 Peak # 4		274.3	5.487	B		282.9	5.659	B					
Aroclor-1016 Peak # 5		208.3	4.166	B		215.9	4.317	B					
Aroclor-1260	5.000	256.0	5.120	B	102	278.8	5.577	B	112	60-140	9	20	u
Aroclor-1260 Peak # 1		248.6	4.972	B		265.8	5.316	B					
Aroclor-1260 Peak # 2		254.6	5.092	B		272.1	5.441	B					
Aroclor-1260 Peak # 3		233.0	4.659	B		248.4	4.967	B					
Aroclor-1260 Peak # 4		237.1	4.741	B		256.2	5.125	B					
Aroclor-1260 Peak # 5		306.8	6.136	B		351.7	7.034	B					
Surrogates													
TCMX (PCB)	0.5000	25.62	0.5124	B	102	25.76	0.5153	B	103	52-121			u
Decachlorobiphenyl (PCB)	0.5000	23.30	0.4660	B	93	24.56	0.4913	B	98	60-121			u

ISTD (CCV gc06_121422004)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5307613	4870792	-8.23
1-bromo-2-nitrobenzene (PCB)	A	1103956	1030990	-6.61

ISTD (CCV gc06_121422004)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

ISTD (CCV gc06_121422004)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5307613	4956894	-6.61
1-bromo-2-nitrobenzene (PCB)	A	1103956	1040921	-5.71

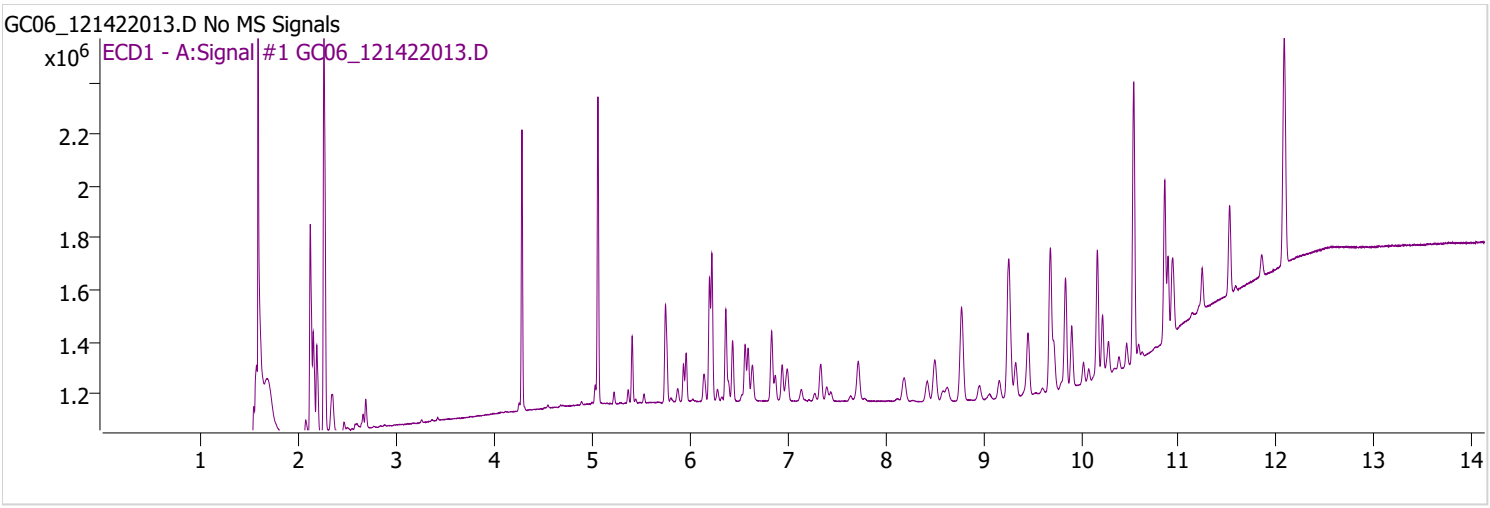
ISTD (CCV gc06_121422004)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

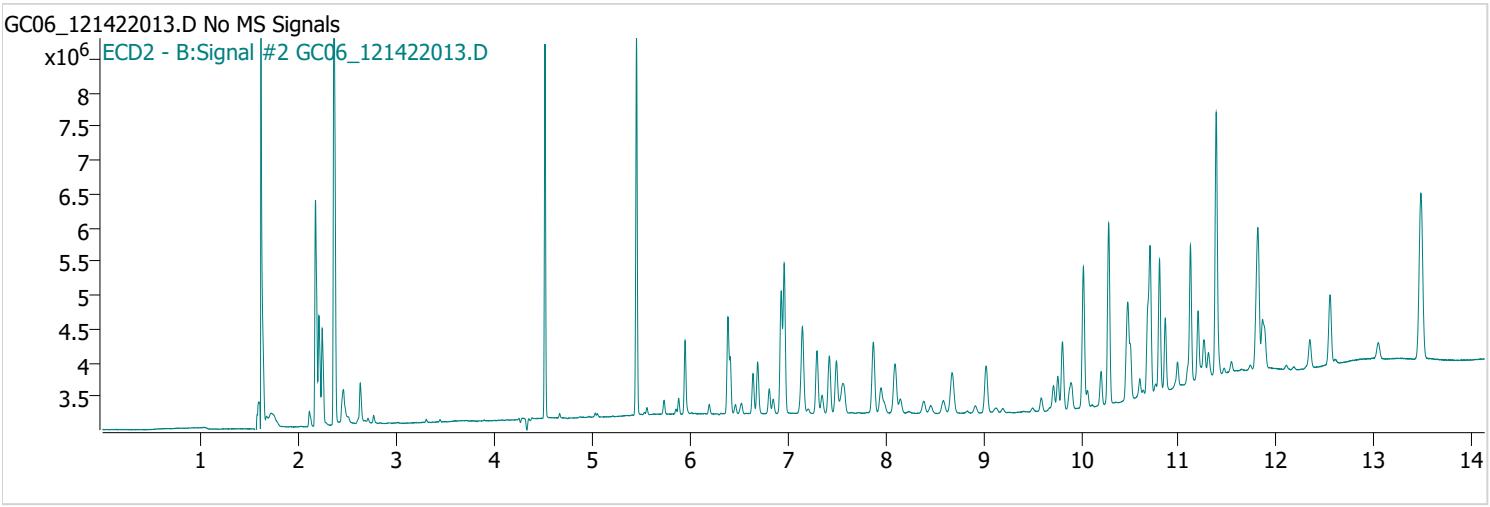
Analyst: TRN 12/15/22

Reviewer: LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422013.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 3:44:49 PM
Sample Name	QC1031897, 303181, 1	Instrument	SVOA-GC06
Vial	2	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



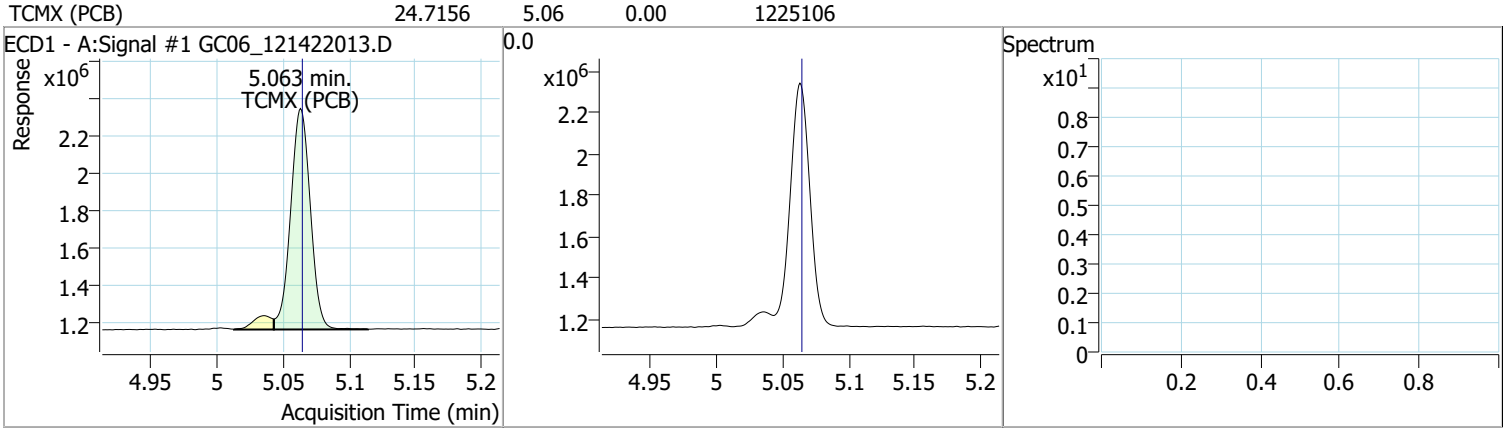


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.287	0.0	1030990.289	20.0000	ng/ml	0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.523	0.0	4870792.332	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.063	0.0	1225105.510	24.7156	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 123.58%		
S TCMX (PCB) #2	5.458	0.0	5993633.120	25.6229	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 128.11%		
S Decachlorobiphenyl (PCB)	12.078	0.0	1721897.861	23.2338	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 116.17%		
S Decachlorobiphenyl (PCB) #2	13.475	0.0	6296805.615	23.3030	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 116.52%		
Target Compounds						QValue

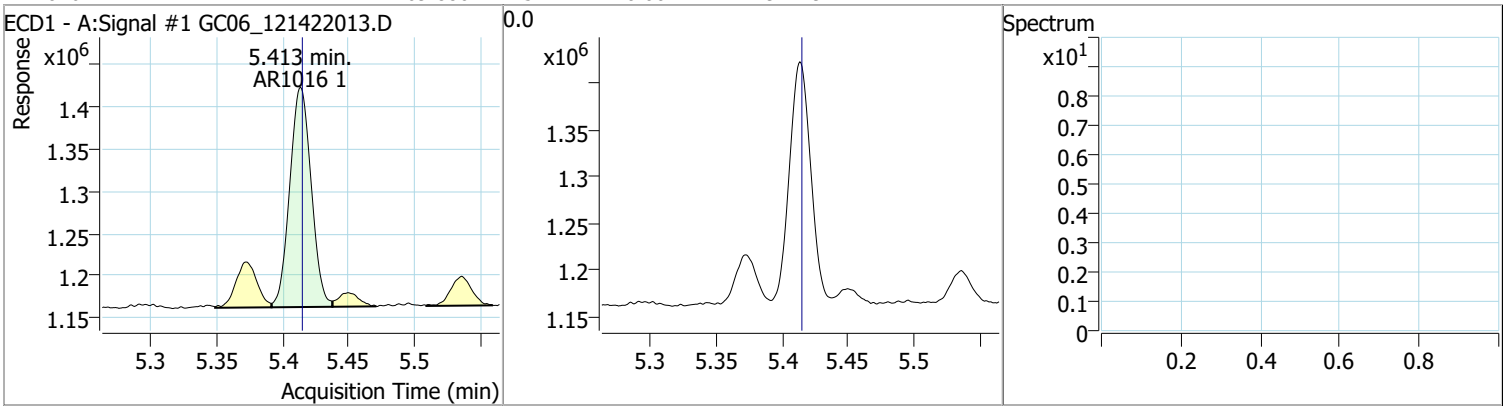
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.413	0.0	291718.622	269.8801	ng/ml	100
T AR1016 2	5.754	0.0	624008.587	274.9491	ng/ml	100
T AR1016 1 #2	5.954	0.0	1403042.410	277.1540	ng/ml	100
T AR1016 3	6.228	0.0	739343.971	269.7776	ng/ml	100
T AR1016 4	6.371	0.0	562400.152	269.8178	ng/ml	100
T AR1016 2 #2	6.393	0.0	3005933.536	411.3384	ng/ml	100
T AR1016 5	6.568	0.0	355413.268	211.6980	ng/ml	100
T AR1016 3 #2	6.967	0.0	3478110.890	261.9428	ng/ml	100
T AR1016 4 #2	7.153	0.0	2600611.082	274.3441	ng/ml	100
T AR1016 5 #2	7.303	0.0	1605213.102	208.3269	ng/ml	100
T AR1260 1	8.780	0.0	869514.715	249.4449	ng/ml	100
T AR1260 2	9.263	0.0	1340228.184	252.2557	ng/ml	100
T AR1260 3	9.688	0.0	1251194.962	225.3098	ng/ml	100
T AR1260 1 #2	10.025	0.0	3603802.401	248.6167	ng/ml	100
T AR1260 4	10.168	0.0	827628.506	266.7313	ng/ml	100
T AR1260 2 #2	10.283	0.0	4434661.917	254.6231	ng/ml	100
T AR1260 3 #2	10.707	0.0	5135983.508	232.9714	ng/ml	100
T AR1260 5	10.858	0.0	970477.109	138.8798	ng/ml	100
T AR1260 4 #2	11.119	0.0	3154571.583	237.0624	ng/ml	100
T AR1260 5 #2	11.383	0.0	5963045.202	306.8221	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

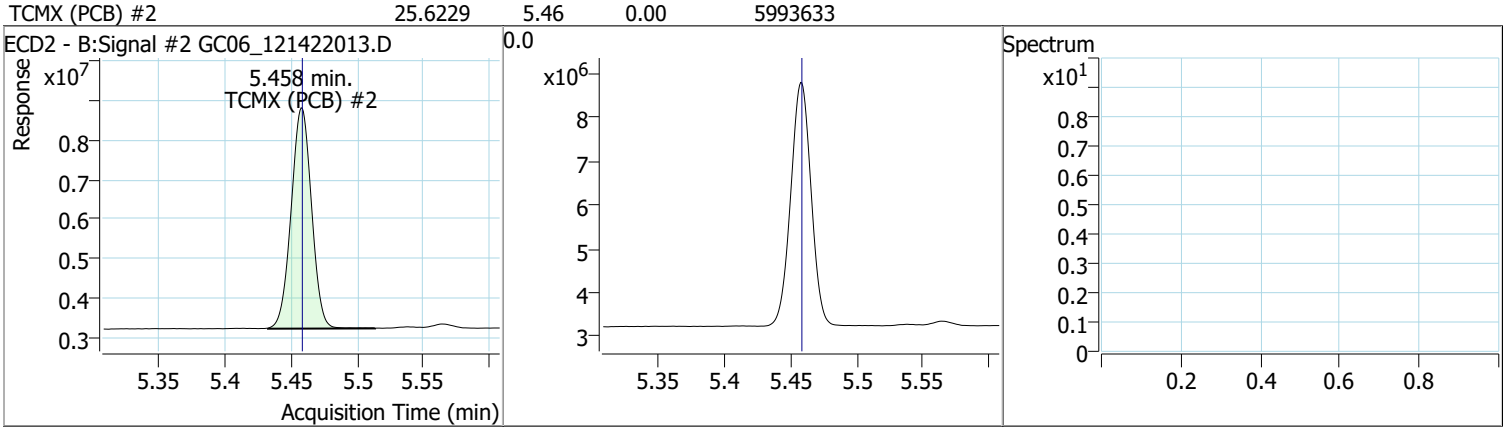
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	24.7156	5.06	0.00	1225106				



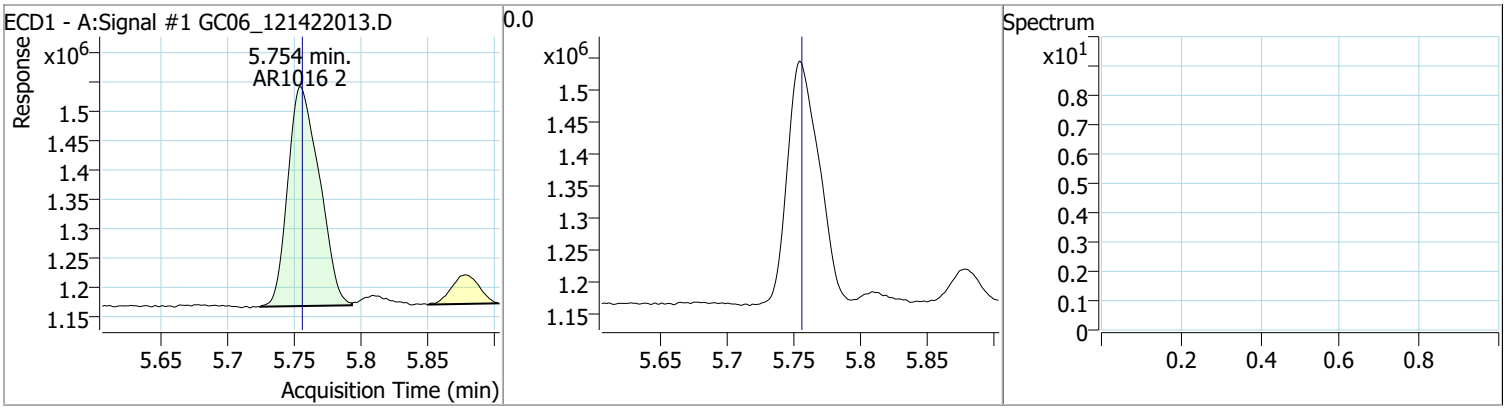
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	269.8801	5.41	0.00	291719				



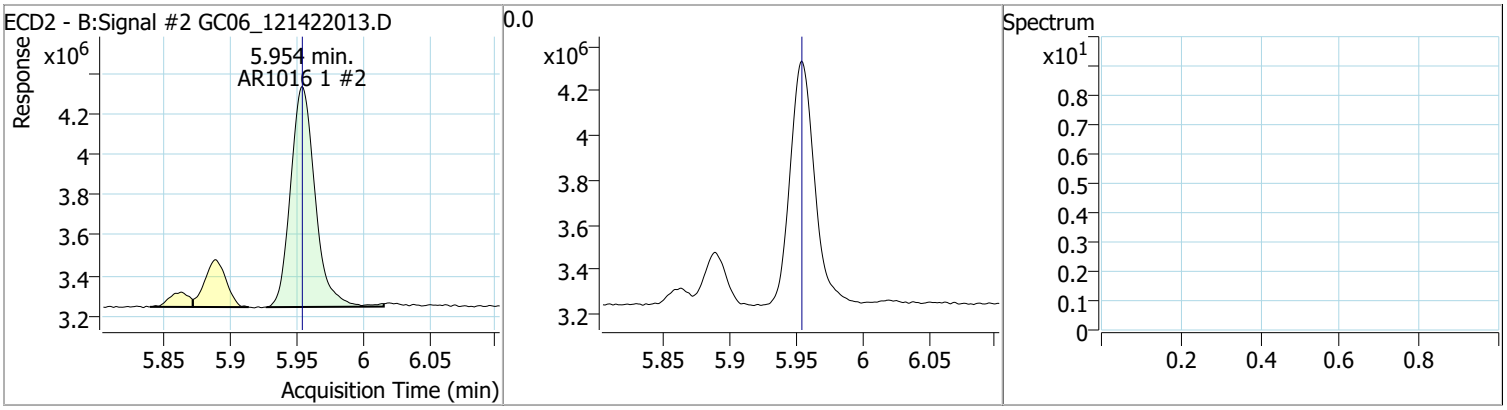
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	25.6229	5.46	0.00	5993633				



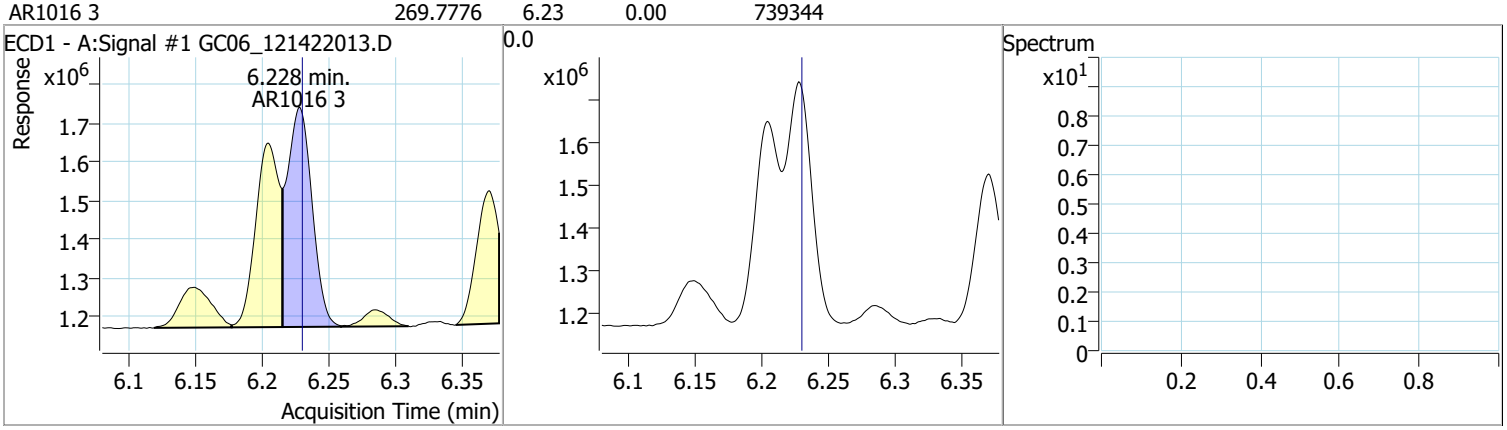
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	274.9491	5.75	0.00	624009				



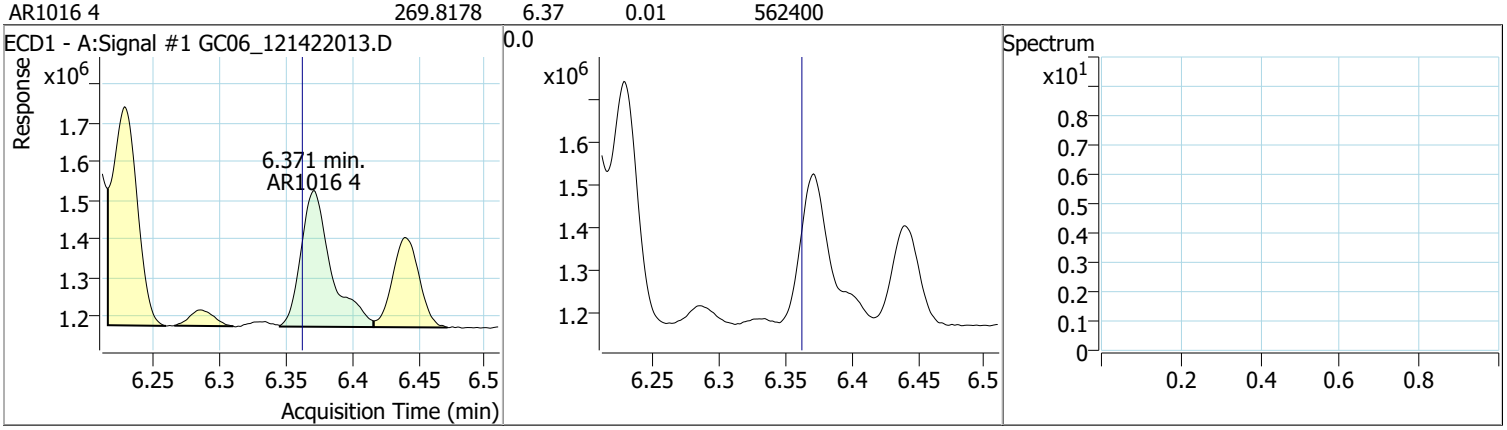
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	277.1540	5.95	0.00	1403042				



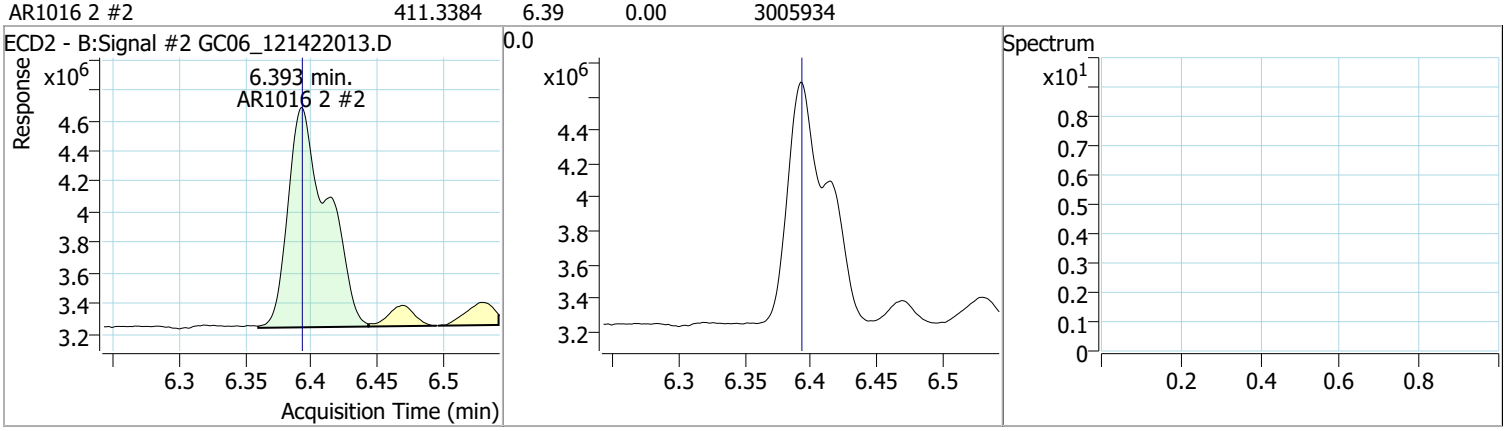
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	269.7776	6.23	0.00	739344				



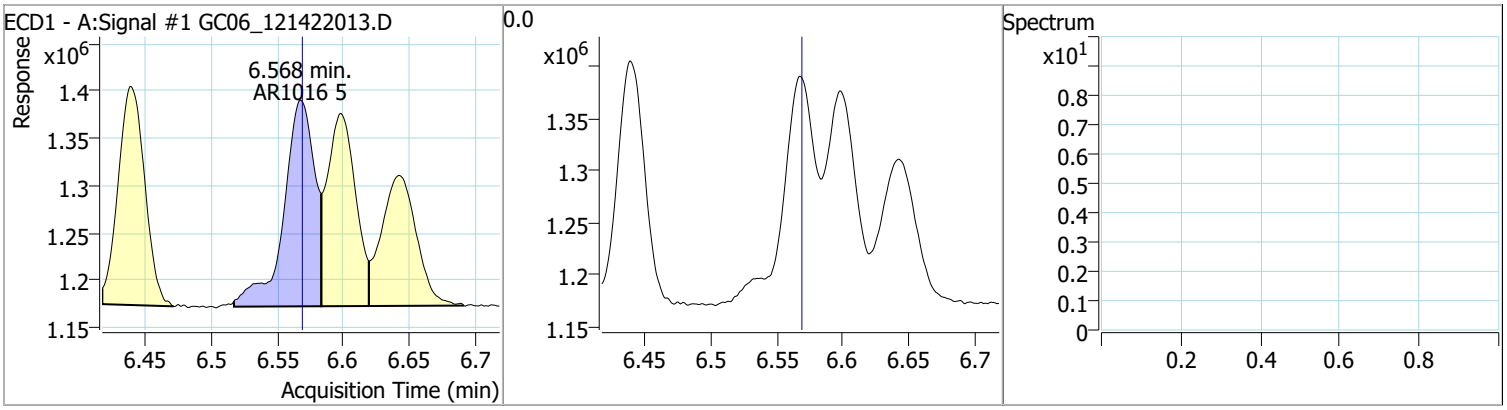
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	269.8178	6.37	0.01	562400				



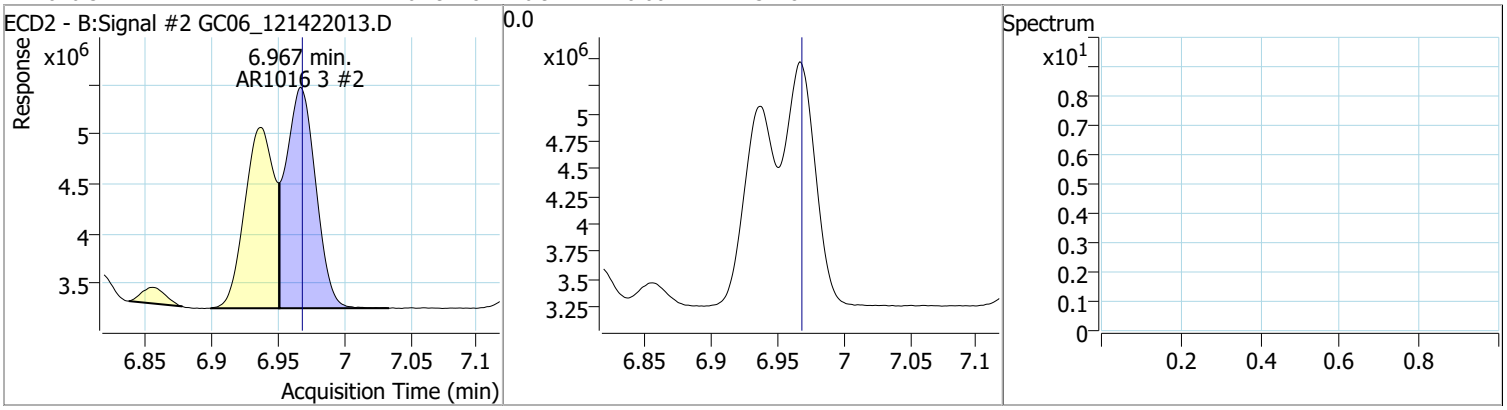
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	411.3384	6.39	0.00	3005934				



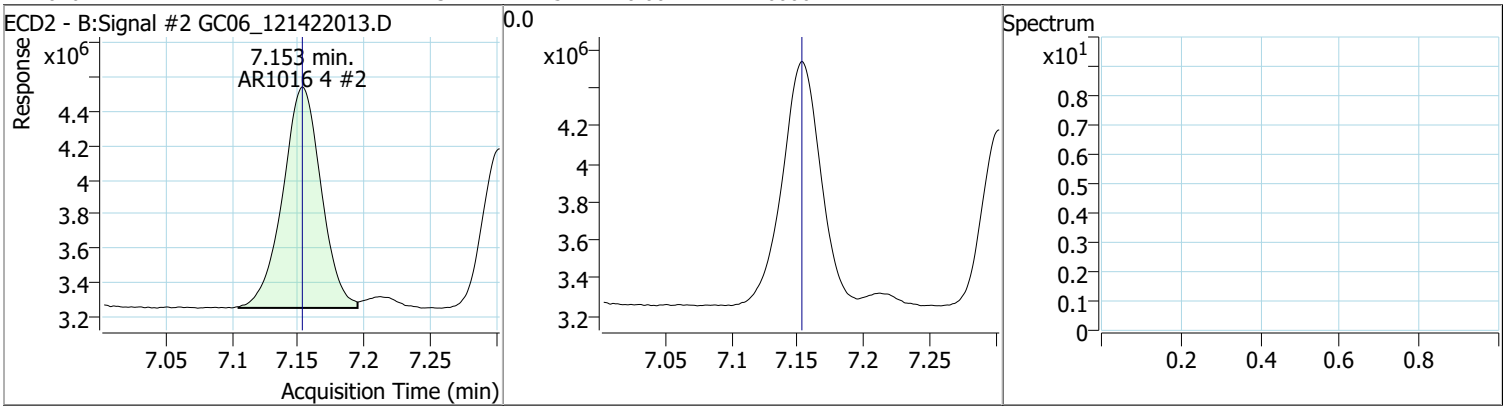
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	211.6980	6.57	0.00	355413				



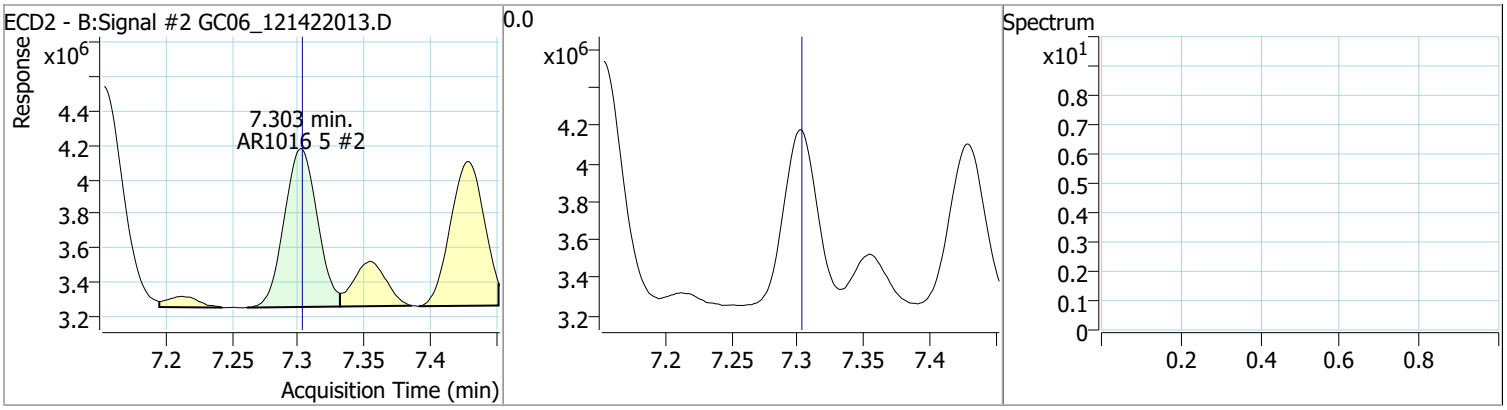
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	261.9428	6.97	0.00	3478111				



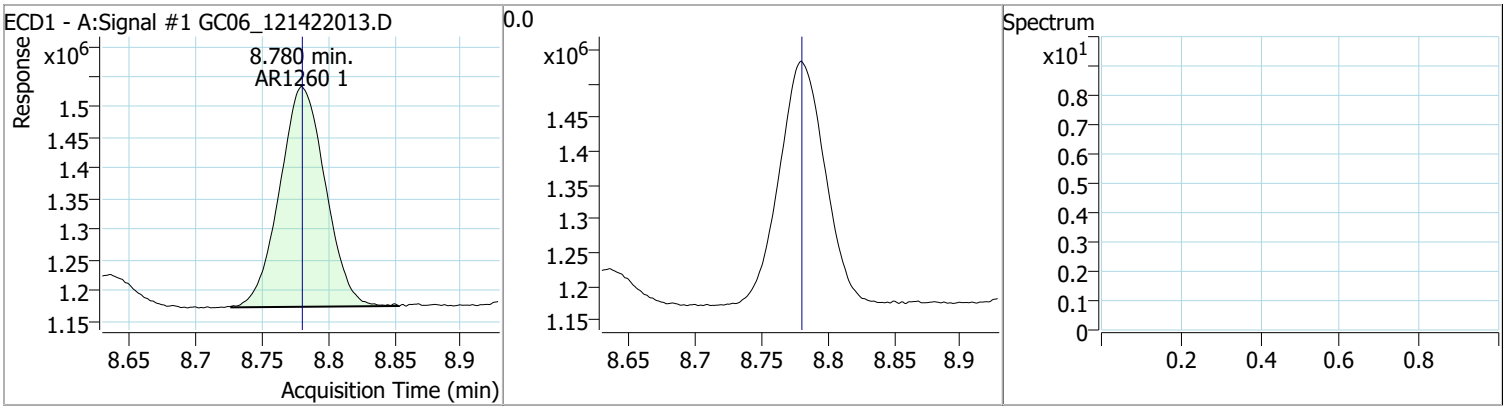
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	274.3441	7.15	0.00	2600611				



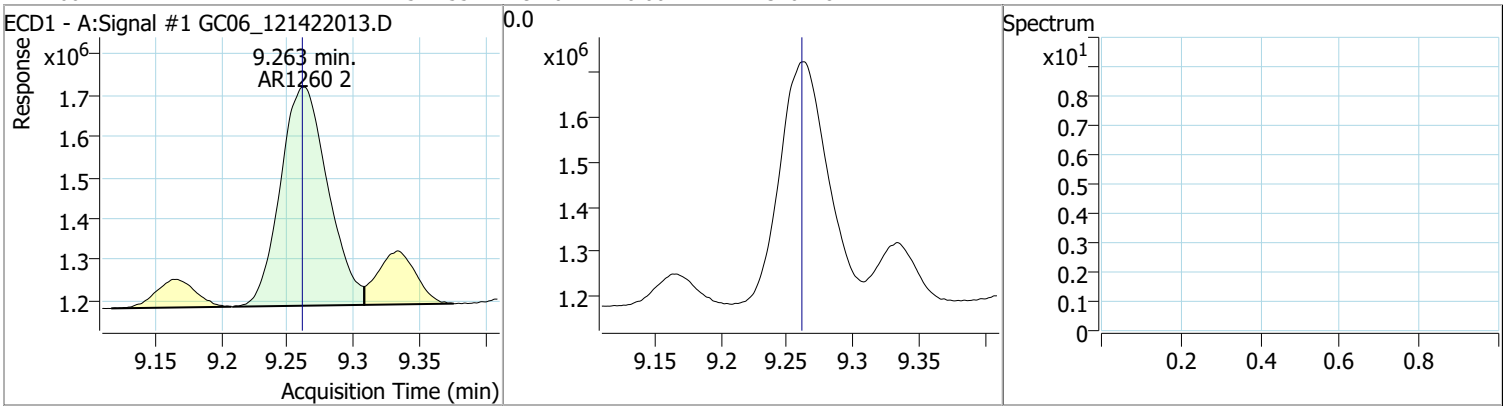
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	208.3269	7.30	0.00	1605213				



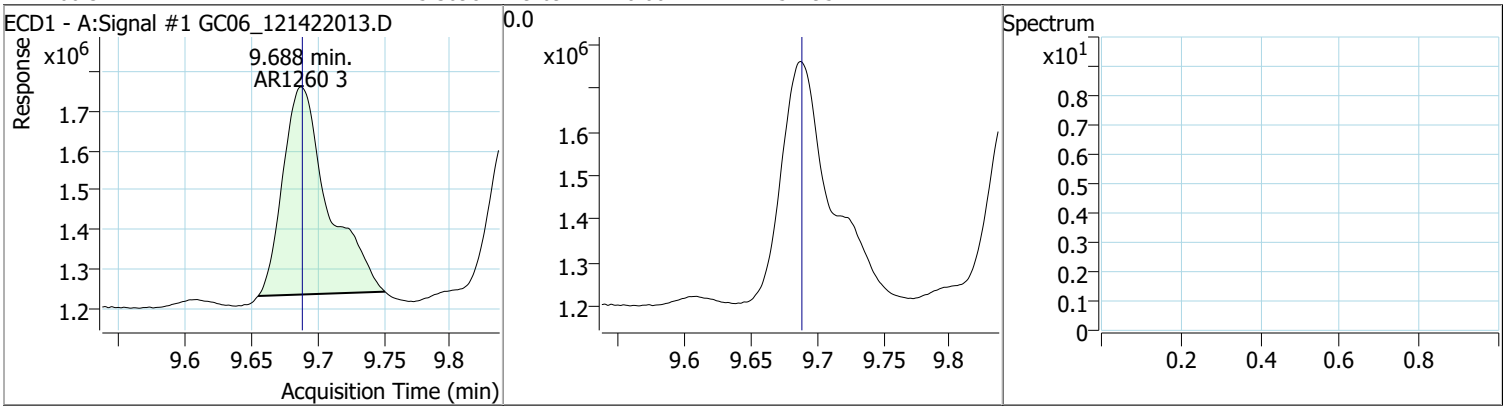
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	249.4449	8.78	0.00	869515				



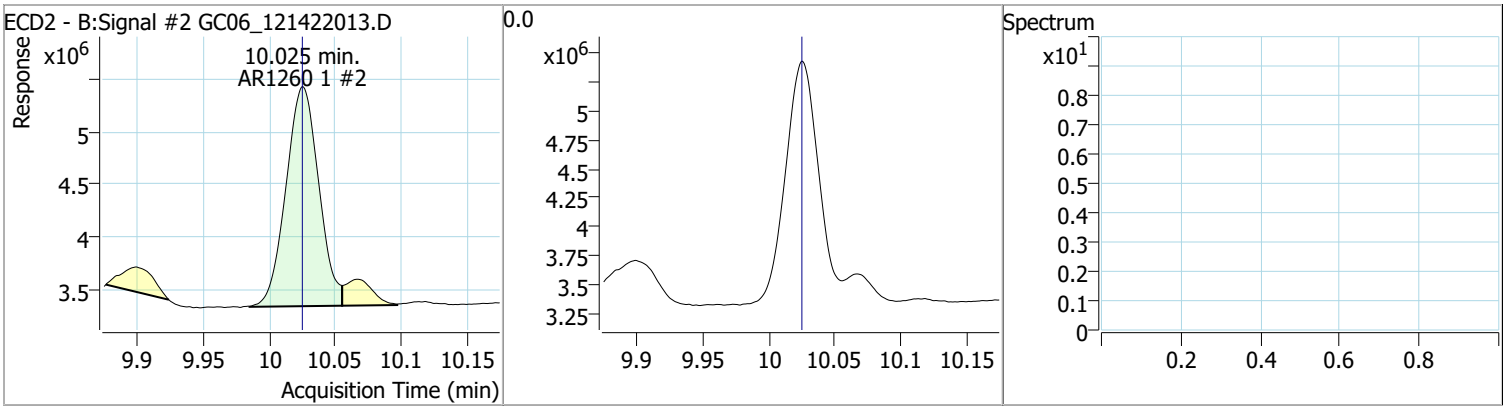
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	252.2557	9.26	0.00	1340228				



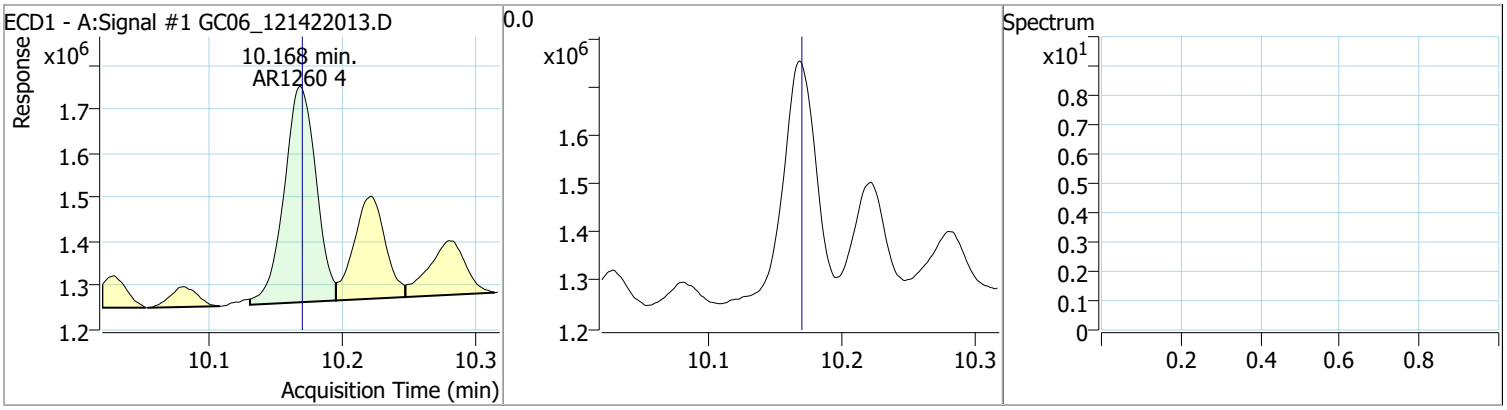
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	225.3098	9.69	0.00	1251195				



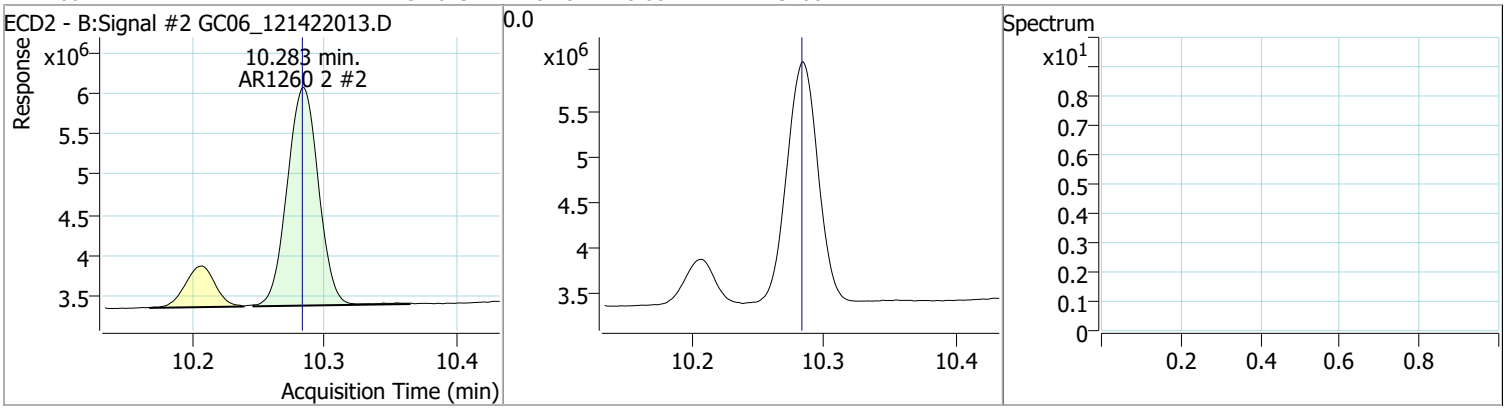
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	248.6167	10.03	0.00	3603802				



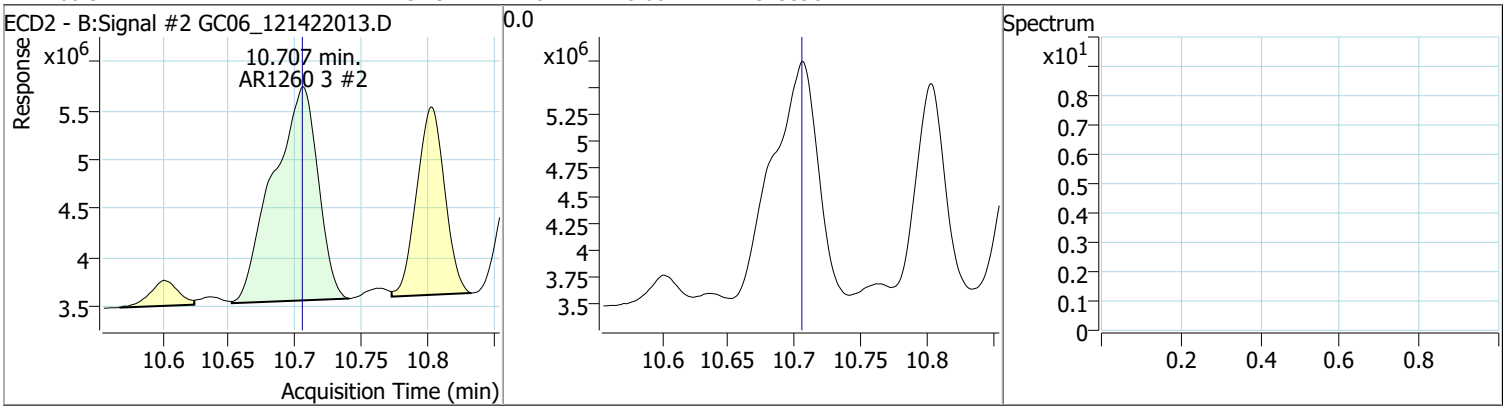
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	266.7313	10.17	0.00	827629				



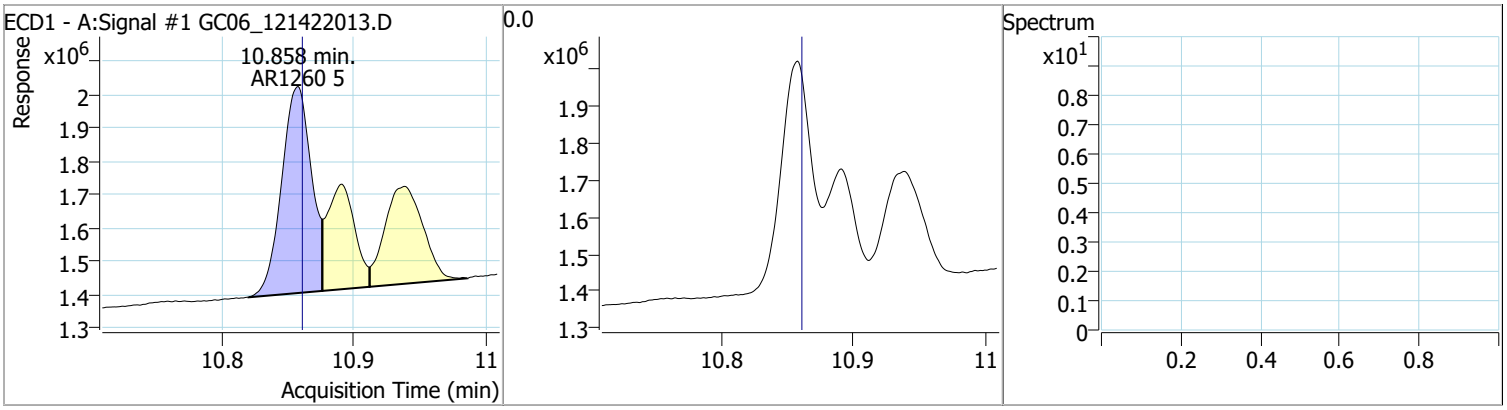
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	254.6231	10.28	0.00	4434662				



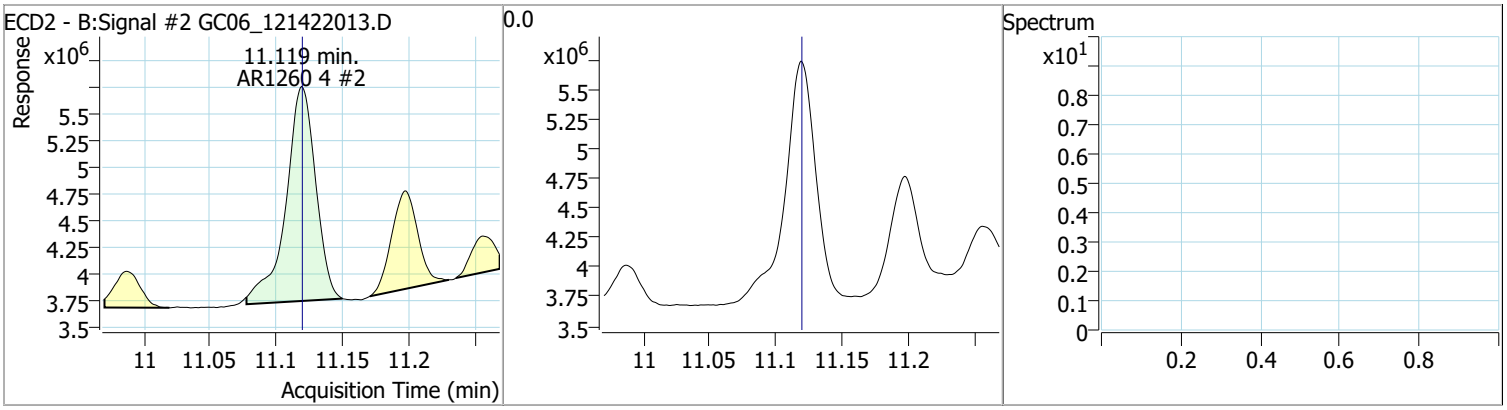
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	232.9714	10.71	0.00	5135984				



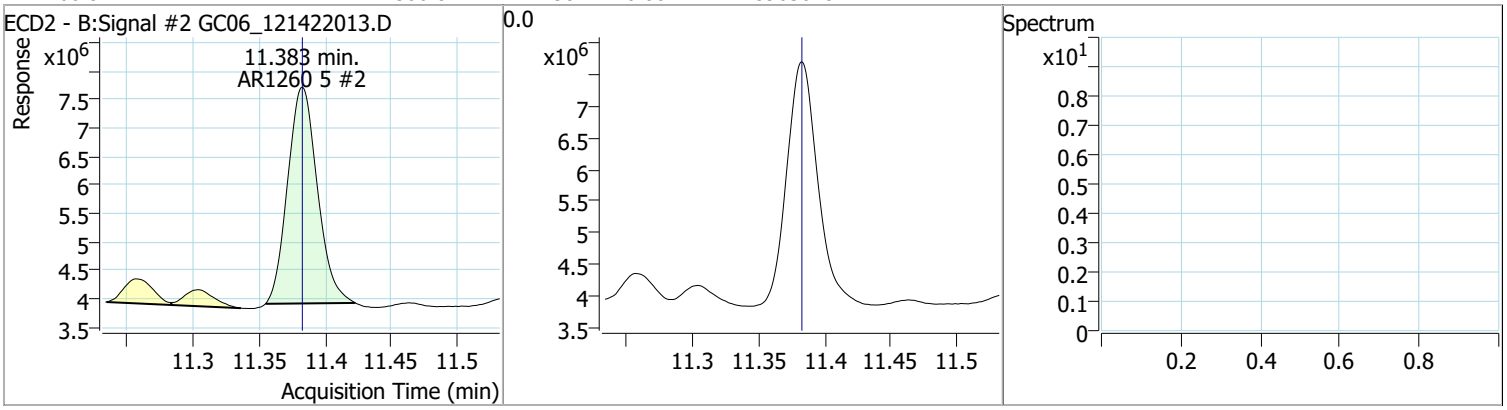
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	138.8798	10.86	0.00	970477				



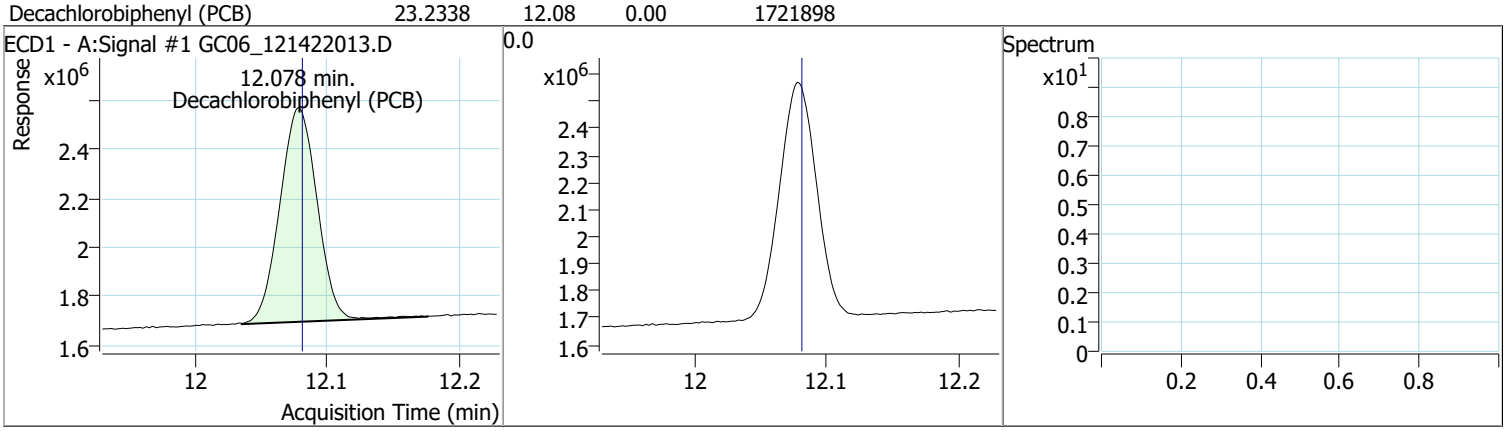
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	237.0624	11.12	0.00	3154572				



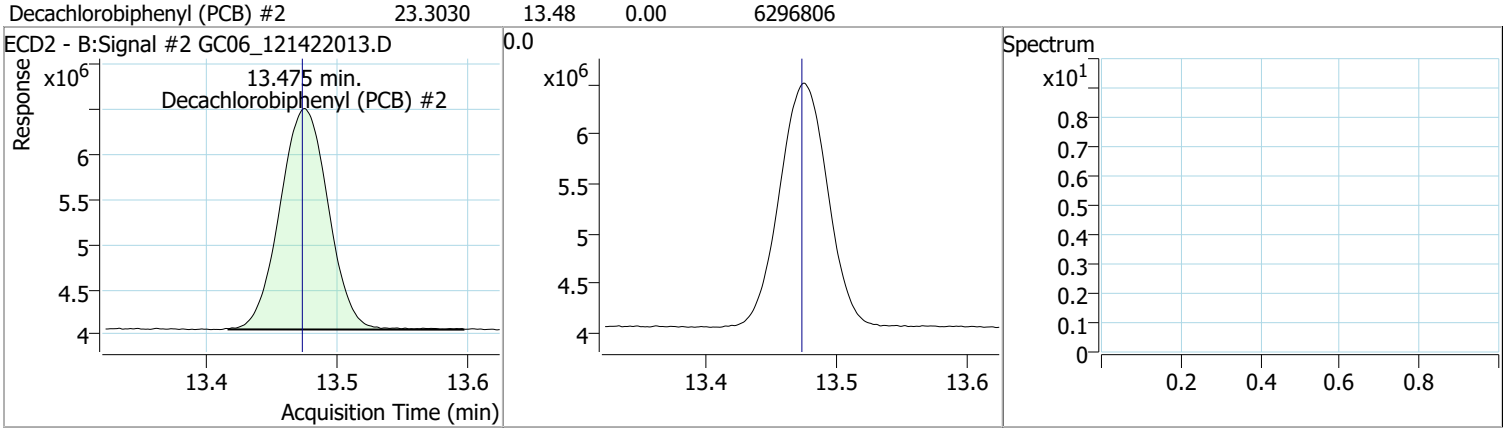
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	306.8221	11.38	0.00	5963045				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	23.2338	12.08	0.00	1721898				

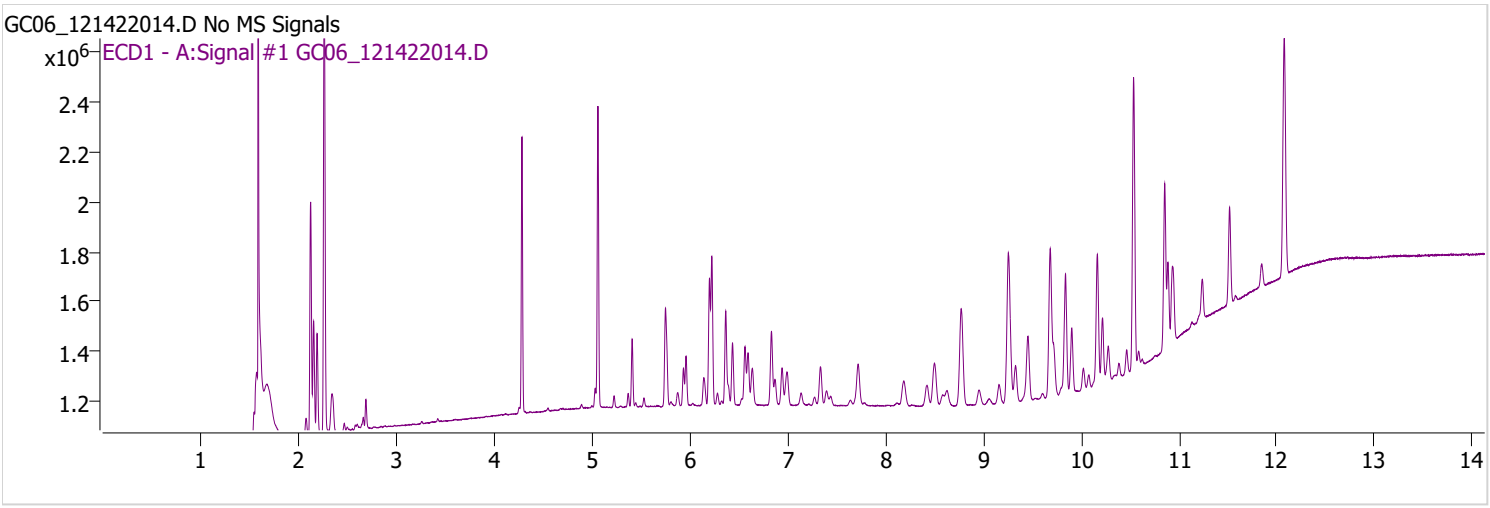


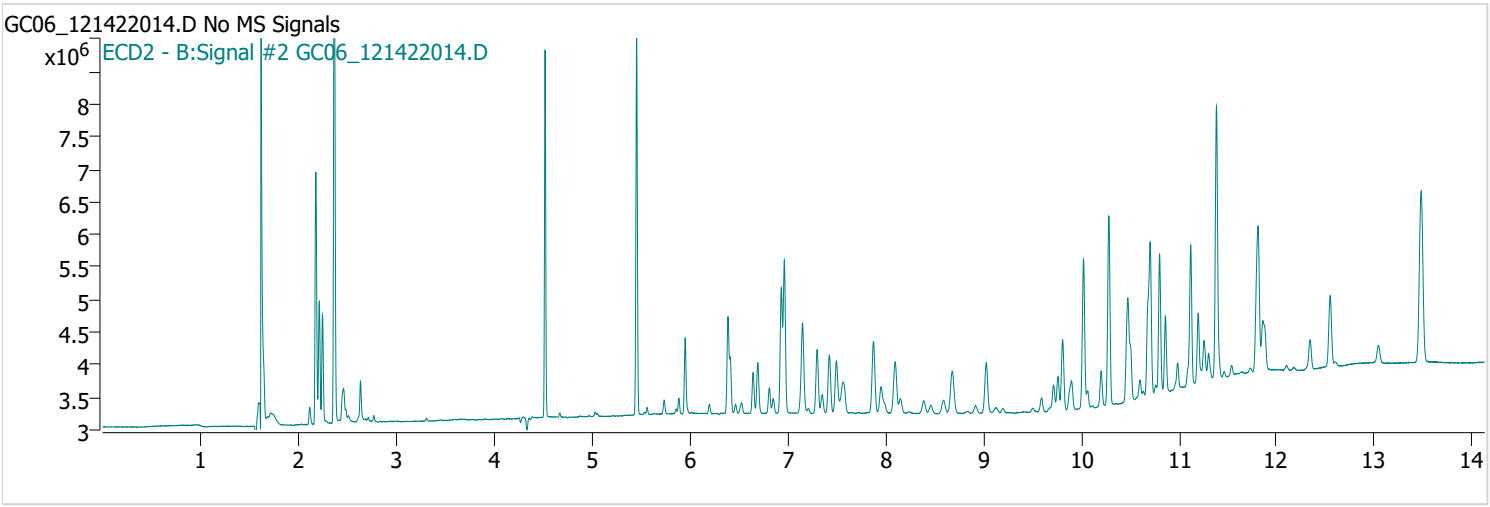
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	23.3030	13.48	0.00	6296806				



Quantitation Results Report (Not Reviewed)

Data File	GC06_121422014.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 4:03:07 PM
Sample Name	QC1031898, 303181, 1	Instrument	SVOA-GC06
Vial	3	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



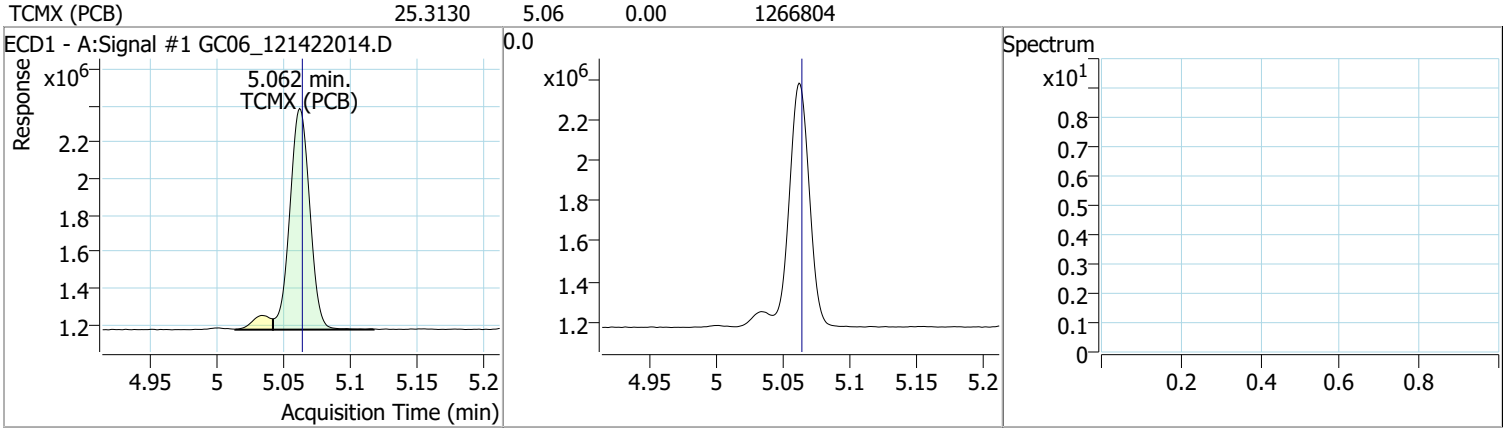


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.286	0.0	1040921.312	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	4956894.479	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.062	0.0	1266804.180	25.3130	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 126.56%		
S TCMX (PCB) #2	5.458	0.0	6133280.203	25.7644	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 128.82%		
S Decachlorobiphenyl (PCB)	12.075	0.0	1849438.131	24.9925	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 124.96%		
S Decachlorobiphenyl (PCB) #2	13.475	0.0	6725901.395	24.5634	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 122.82%		
Target Compounds						QValue

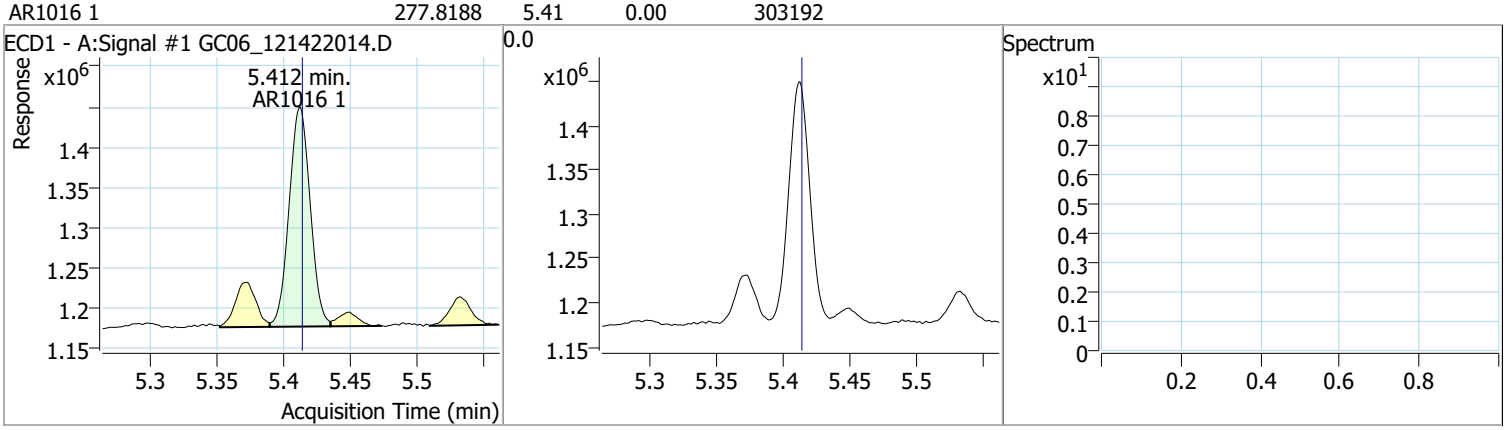
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.412	0.0	303192.301	277.8188	ng/ml	100
T AR1016 2	5.753	0.0	666106.245	291.5795	ng/ml	100
T AR1016 1 #2	5.953	0.0	1457167.691	282.8459	ng/ml	100
T AR1016 3	6.226	0.0	788688.436	285.0371	ng/ml	100
T AR1016 4	6.368	0.0	595555.871	282.9986	ng/ml	100
T AR1016 2 #2	6.391	0.0	3137905.214	421.9390	ng/ml	100
T AR1016 5	6.565	0.0	380016.636	224.1932	ng/ml	100
T AR1016 3 #2	6.967	0.0	3730361.063	276.0603	ng/ml	100
T AR1016 4 #2	7.153	0.0	2729409.407	282.9299	ng/ml	100
T AR1016 5 #2	7.302	0.0	1692766.125	215.8737	ng/ml	100
T AR1260 1	8.774	0.0	947407.308	269.1975	ng/ml	100
T AR1260 2	9.256	0.0	1463118.465	272.7585	ng/ml	100
T AR1260 3	9.684	0.0	1548382.122	276.1658	ng/ml	100
T AR1260 1 #2	10.024	0.0	3921100.827	265.8075	ng/ml	100
T AR1260 4	10.166	0.0	916262.678	293.9699	ng/ml	100
T AR1260 2 #2	10.283	0.0	4822258.258	272.0682	ng/ml	100
T AR1260 3 #2	10.705	0.0	5571917.657	248.3554	ng/ml	100
T AR1260 5	10.854	0.0	1032115.514	147.2573	ng/ml	100
T AR1260 4 #2	11.120	0.0	3446632.407	256.2524	ng/ml	100
T AR1260 5 #2	11.383	0.0	6905020.111	351.6911	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

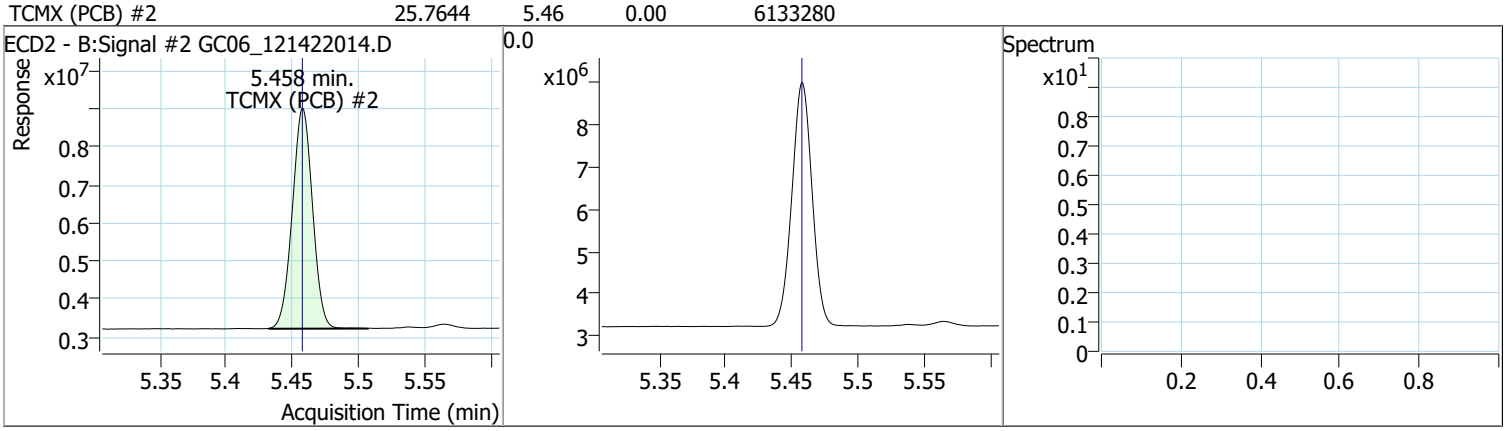
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	25.3130	5.06	0.00	1266804				



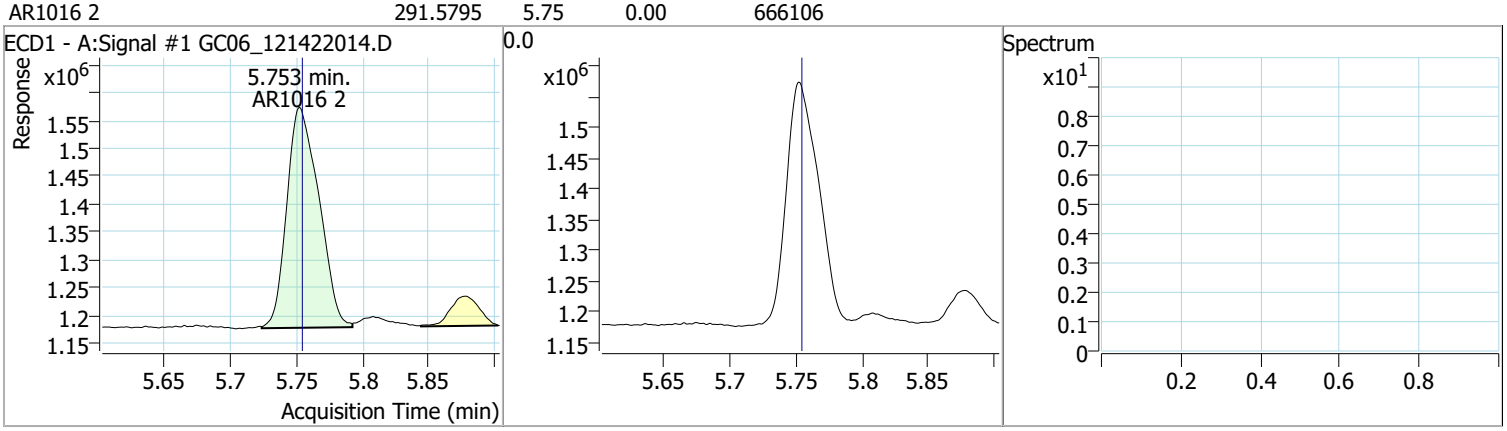
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	277.8188	5.41	0.00	303192				



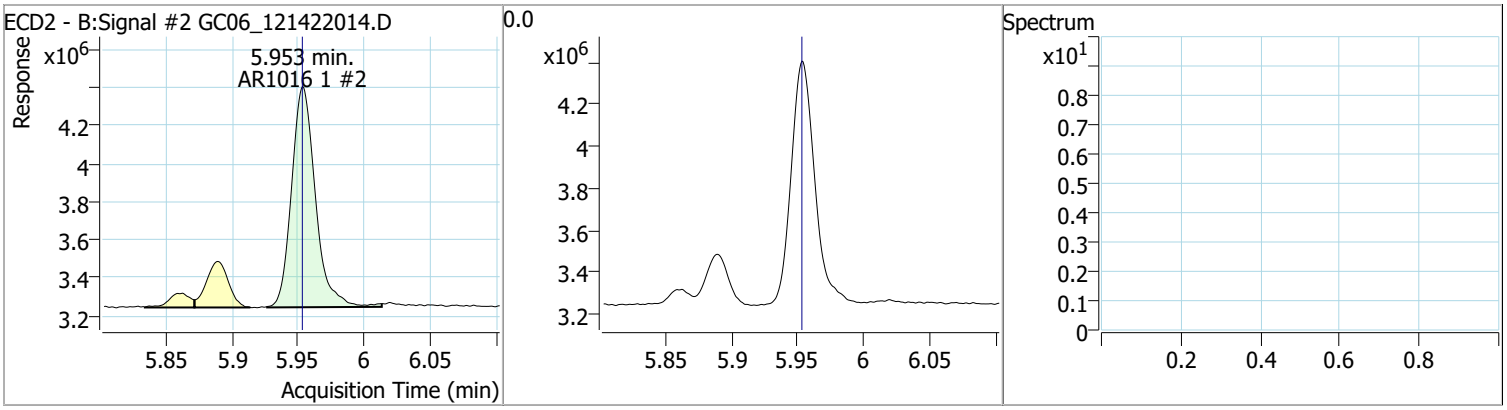
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	25.7644	5.46	0.00	6133280				



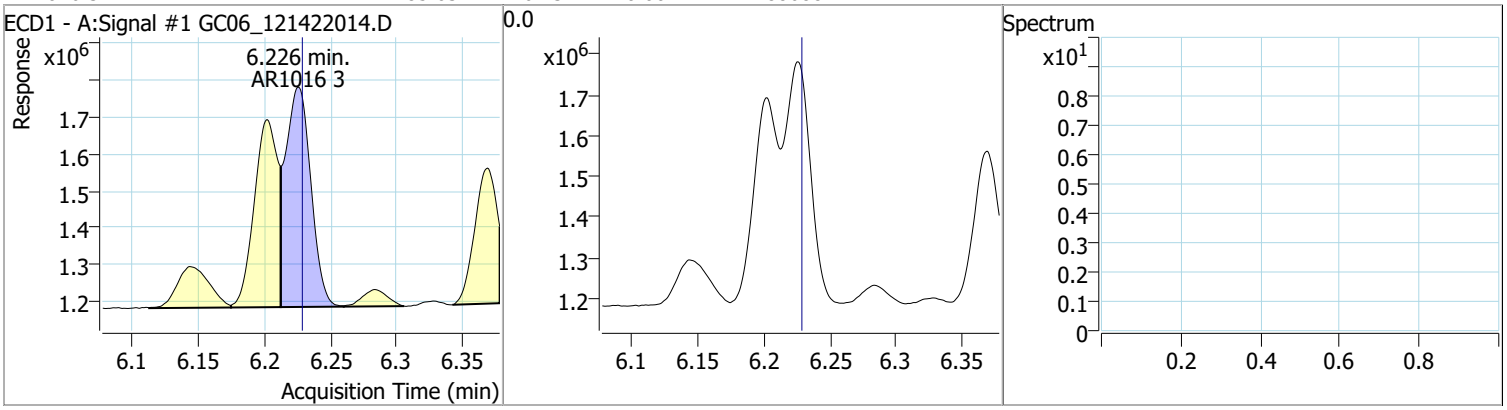
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	291.5795	5.75	0.00	666106				



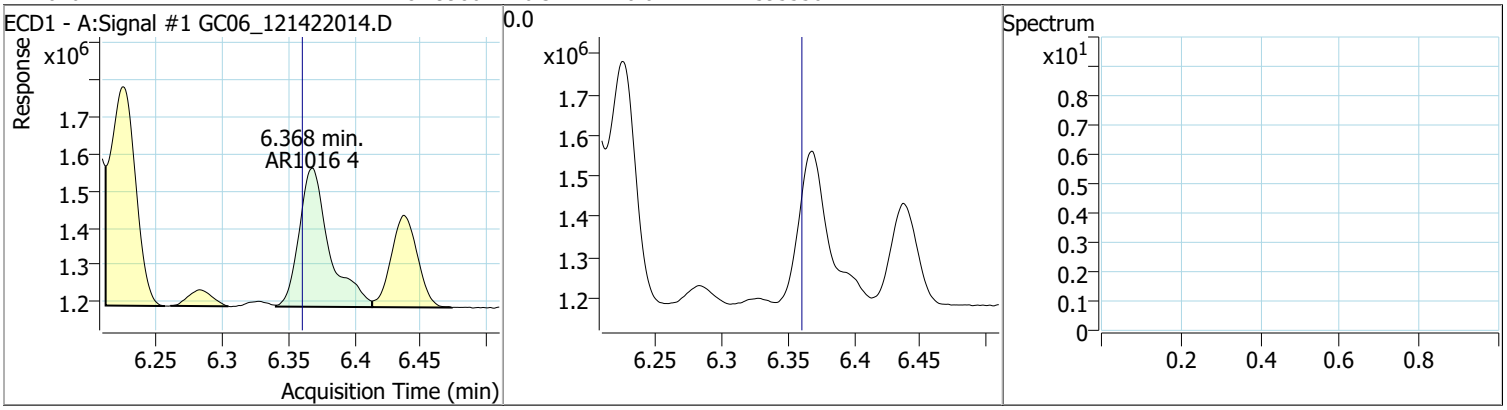
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	282.8459	5.95	0.00	1457168				



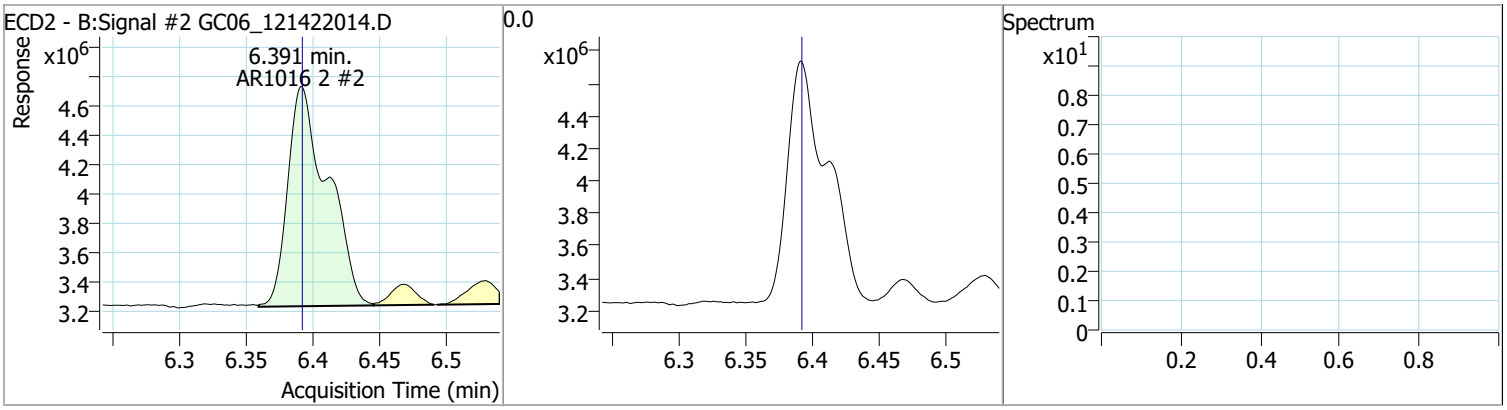
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	285.0371	6.23	0.00	788688				



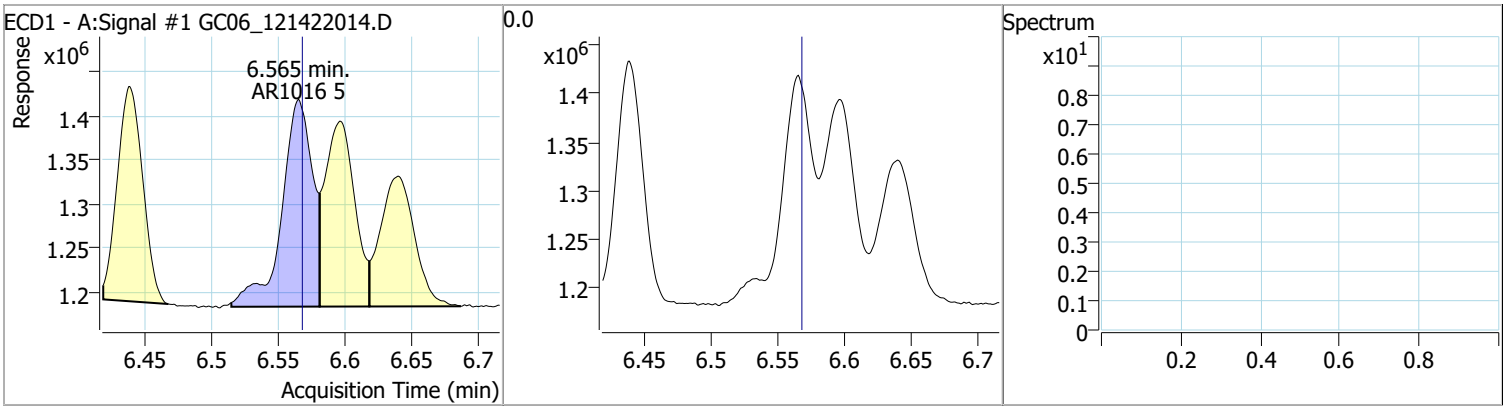
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	282.9986	6.37	0.01	595556				



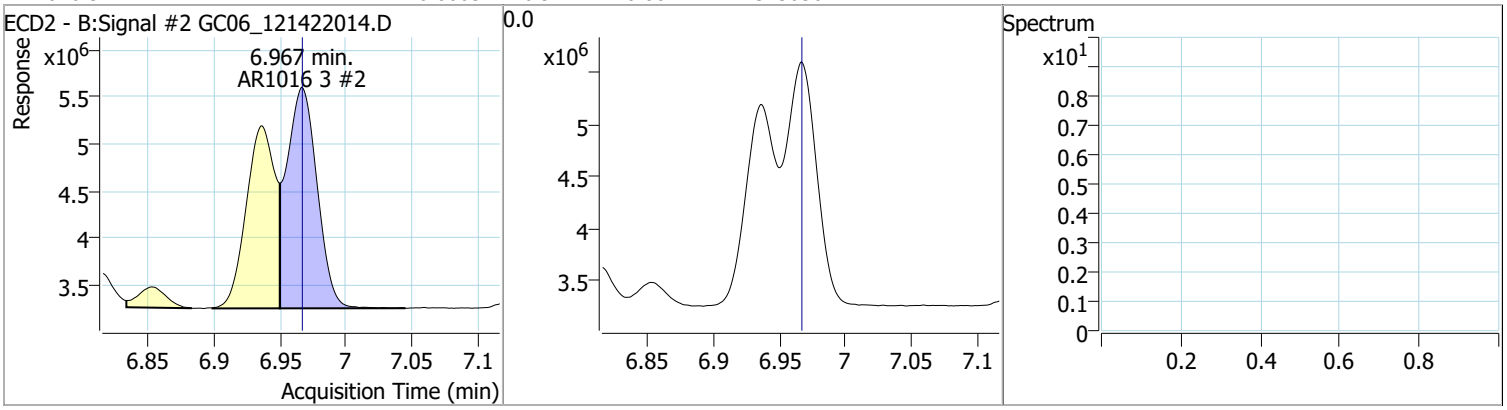
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	421.9390	6.39	0.00	3137905				



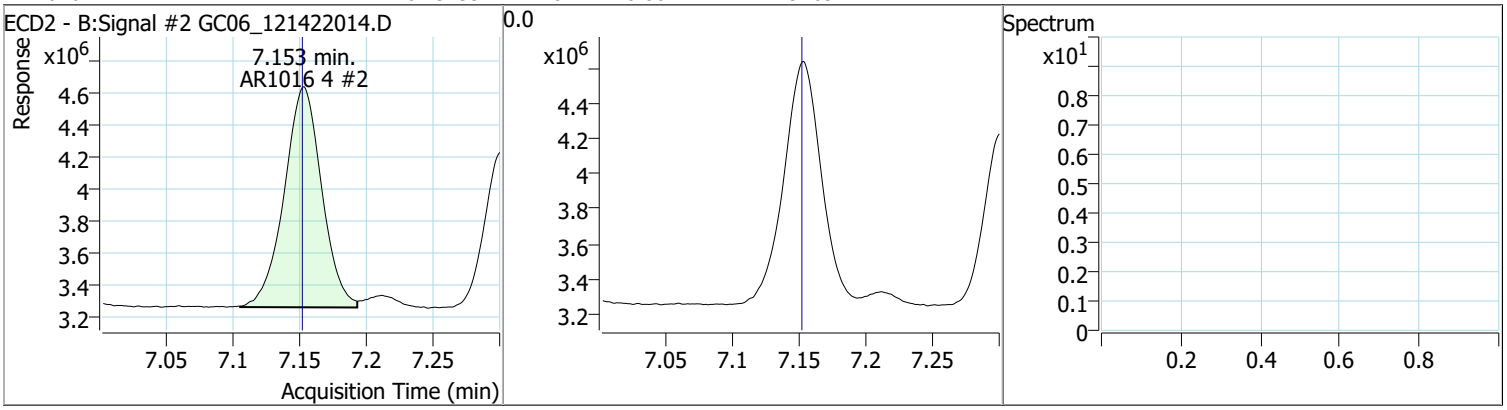
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	224.1932	6.57	0.00	380017				



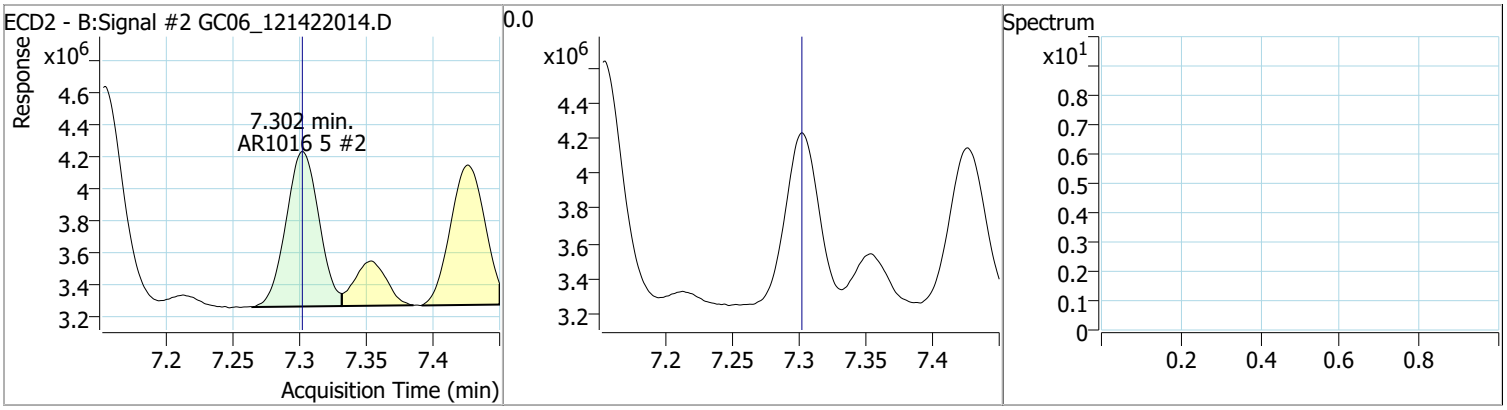
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	276.0603	6.97	0.00	3730361				



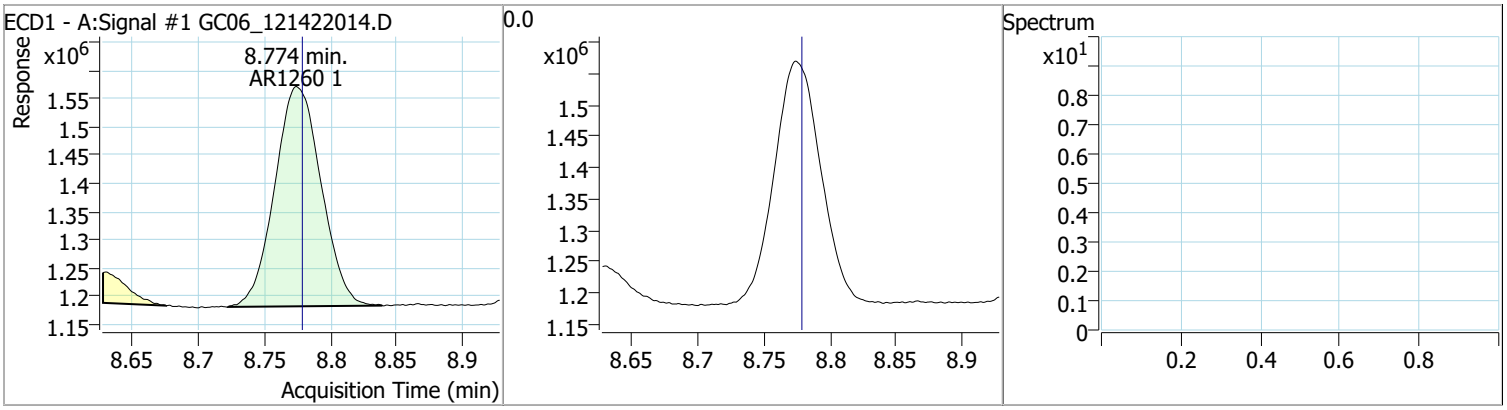
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	282.9299	7.15	0.00	2729409				



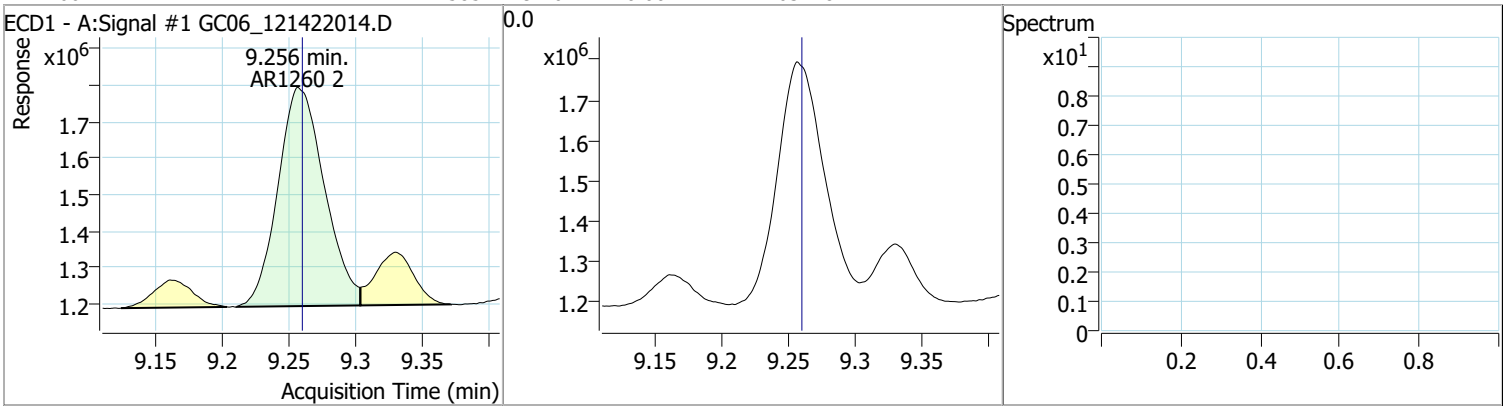
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	215.8737	7.30	0.00	1692766				



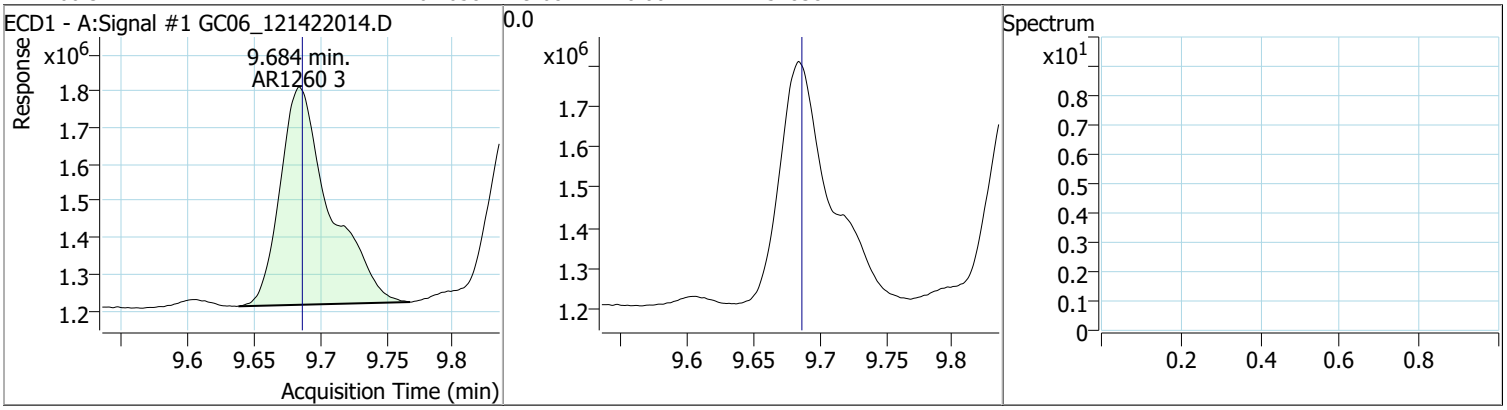
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	269.1975	8.77	0.00	947407				



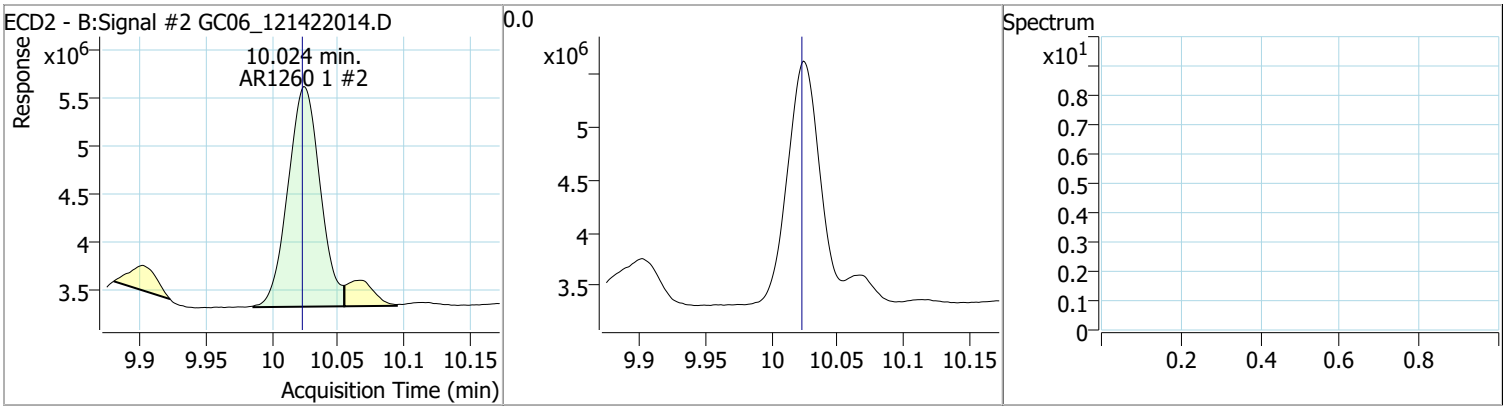
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	272.7585	9.26	0.00	1463118				



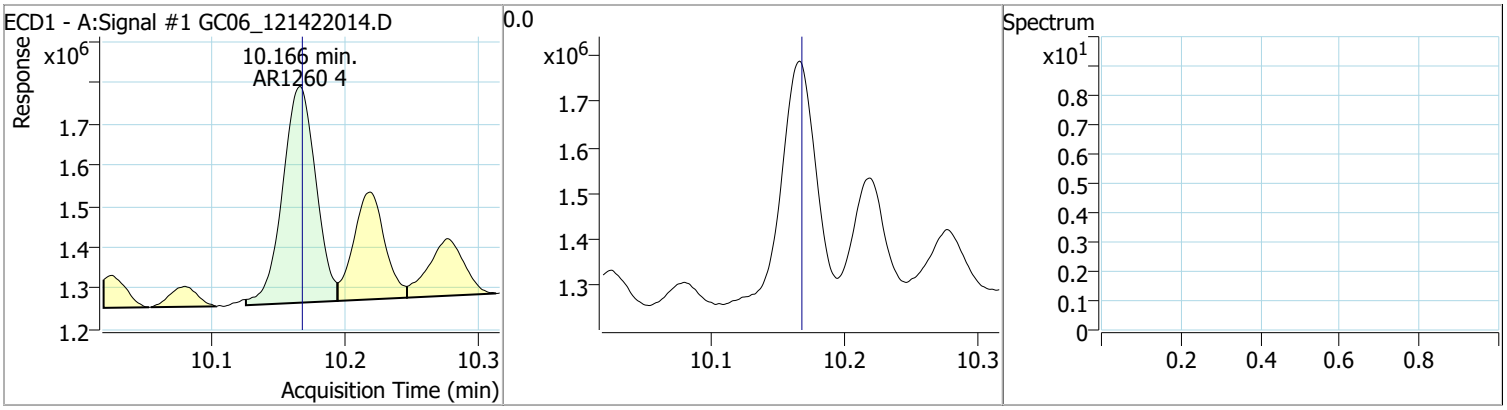
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	276.1658	9.68	0.00	1548382				



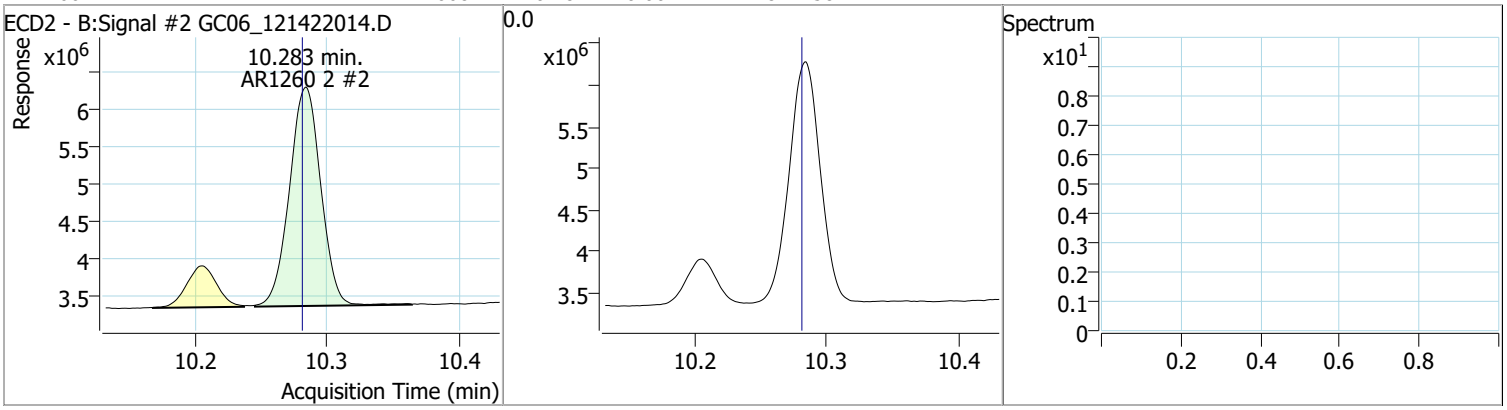
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	265.8075	10.02	0.00	3921101				



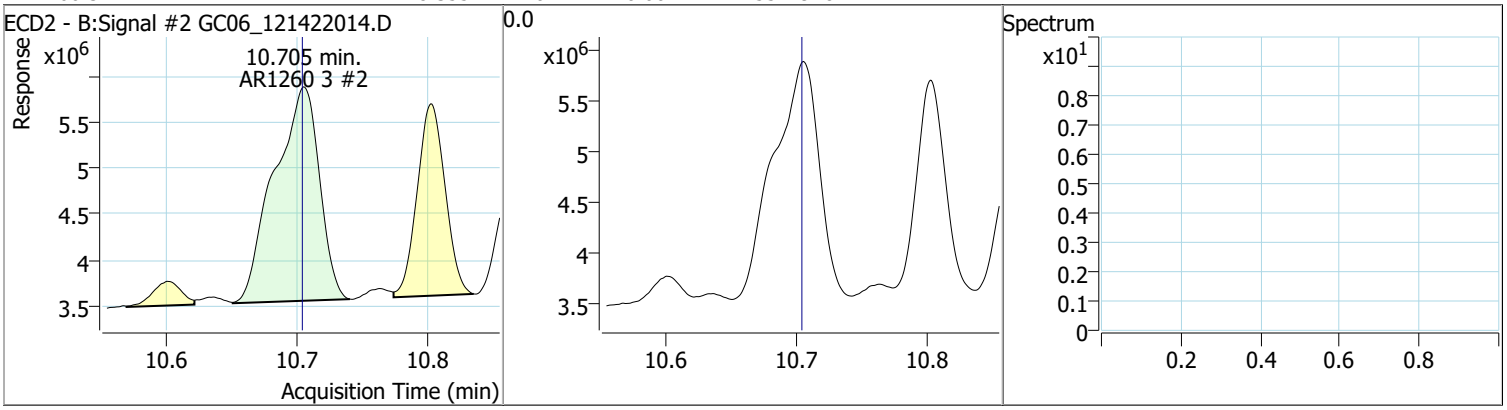
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	293.9699	10.17	0.00	916263				



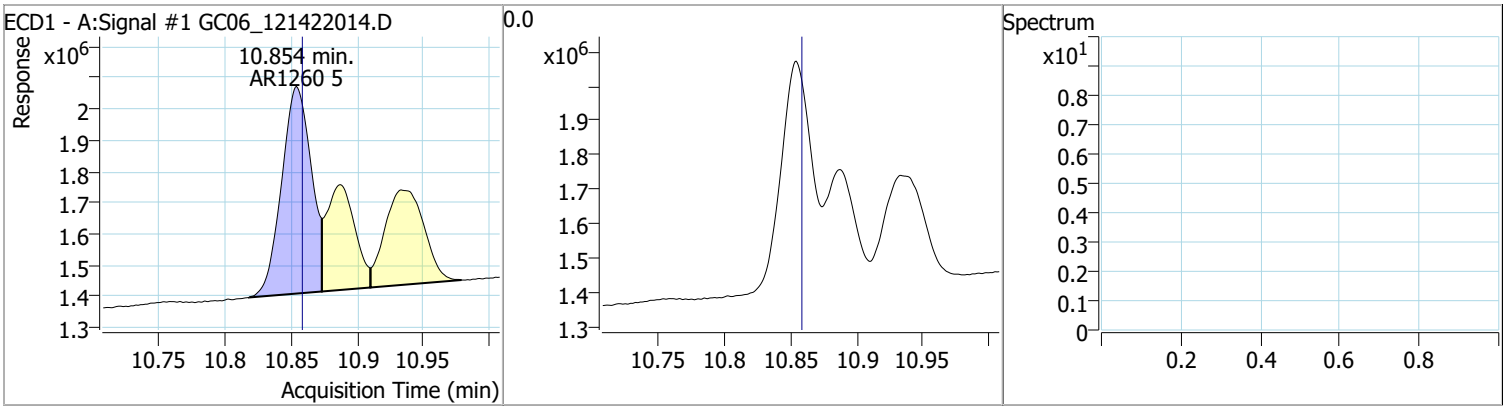
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	272.0682	10.28	0.00	4822258				



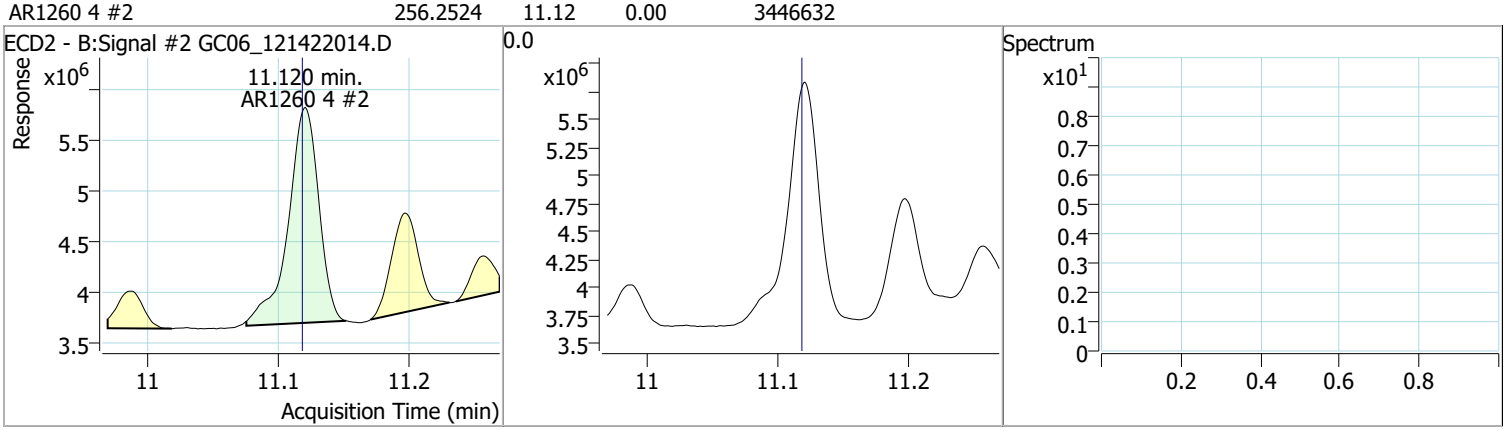
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	248.3554	10.71	0.00	5571918				



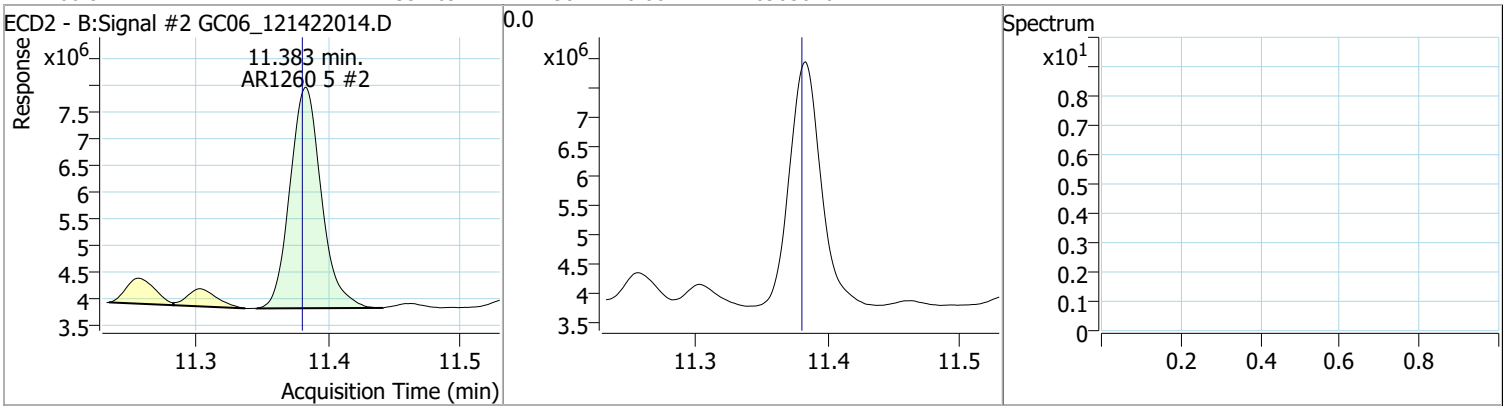
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	147.2573	10.85	0.00	1032116				



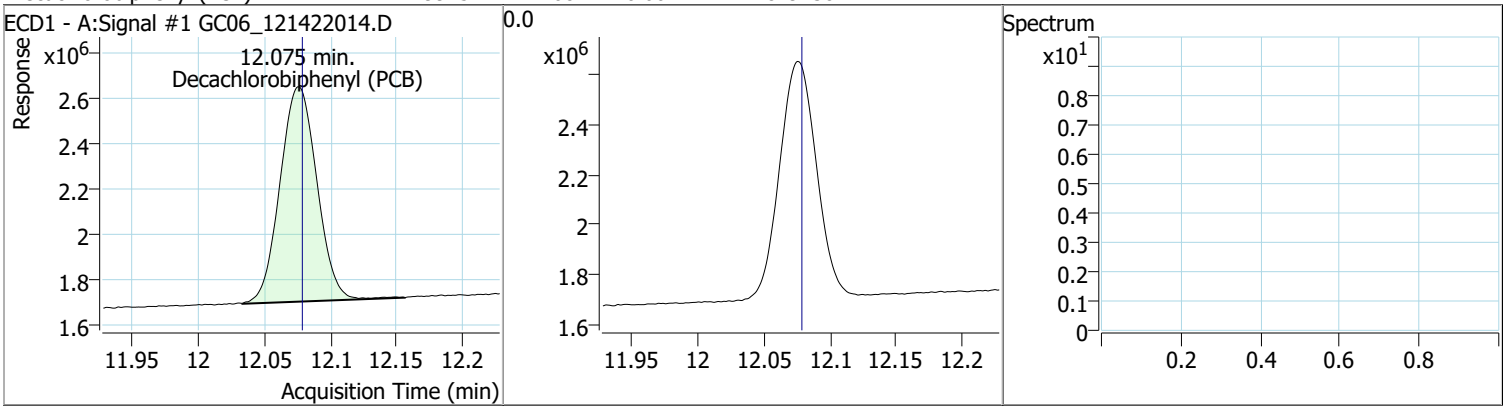
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	256.2524	11.12	0.00	3446632				



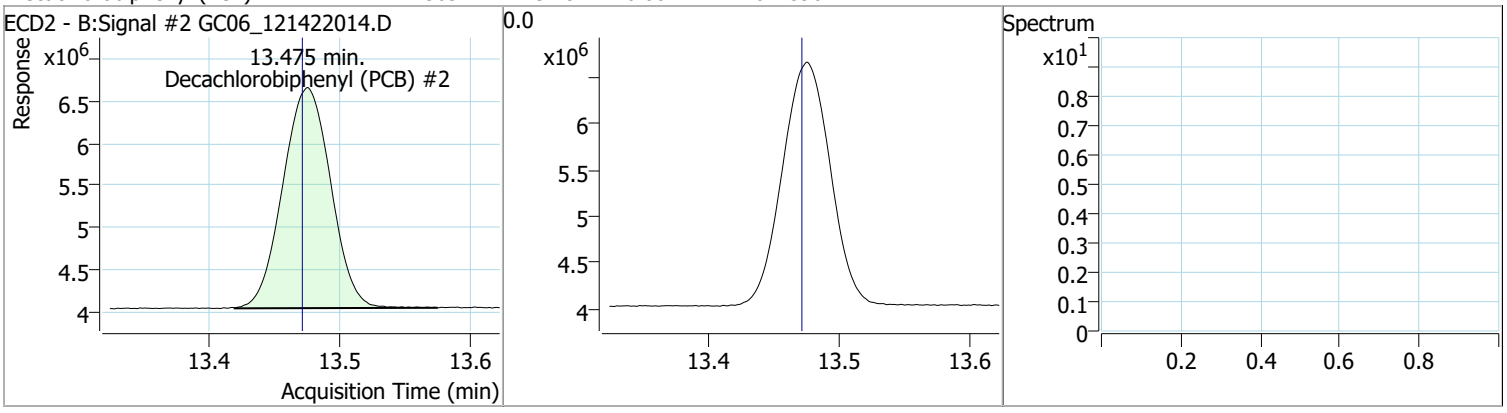
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	351.6911	11.38	0.00	6905020				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	24.9925	12.08	0.00	1849438				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	24.5634	13.48	0.00	6725901				



ENTHALPY SPIKE USER REPORT FOR 474711 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC06	Inst:	SVOA-GC06
Seqnum:	452501809042.1	Seqnum:	452501809043.1
File:	gc06_121422042	File:	gc06_121422043
IDF:	1.0	IDF:	1.0
Lab ID:	QC1031900	Lab ID:	QC1031901
Matrix:	Wipe	Matrix:	Wipe
Batch:	303182	Batch:	303182
Time:	15-DEC-2022 00:36	Time:	15-DEC-2022 00:54
Cal:	452428510002	Cal:	452428510002
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	391.0	3.910	B	78	467.2	4.672	B	93	60-140	18	20	u
Aroclor-1016 Peak # 1		370.1	3.701	B		445.1	4.451	B					
Aroclor-1016 Peak # 2		543.6	5.436	B		643.7	6.437	B					
Aroclor-1016 Peak # 3		385.9	3.859	B		449.3	4.493	B					
Aroclor-1016 Peak # 4		367.1	3.671	B		445.6	4.456	B					
Aroclor-1016 Peak # 5		288.1	2.881	B		352.4	3.524	B					
Aroclor-1260	5.000	378.0	3.780	B	76	446.8	4.468	B	89	60-140	17	20	u
Aroclor-1260 Peak # 1		355.5	3.555	B		429.7	4.297	B					
Aroclor-1260 Peak # 2		357.8	3.578	B		436.5	4.365	B					
Aroclor-1260 Peak # 3		340.3	3.403	B		407.1	4.071	B					
Aroclor-1260 Peak # 4		348.3	3.483	B		378.5	3.785	B					
Aroclor-1260 Peak # 5		488.1	4.881	B		582.2	5.822	B					
Surrogates													
TCMX (PCB)	0.5000	37.12	0.3712	B	74	45.52	0.4552	B	91	52-121			u
Decachlorobiphenyl (PCB)	0.5000	31.71	0.3171	B	63	39.43	0.3943	B	79	60-121			c+ u

ISTD (CCV gc06_121422036)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5560467	5715755	2.79
1-bromo-2-nitrobenzene (PCB)	A	1170615	1210075	3.37

ISTD (CCV gc06_121422036)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

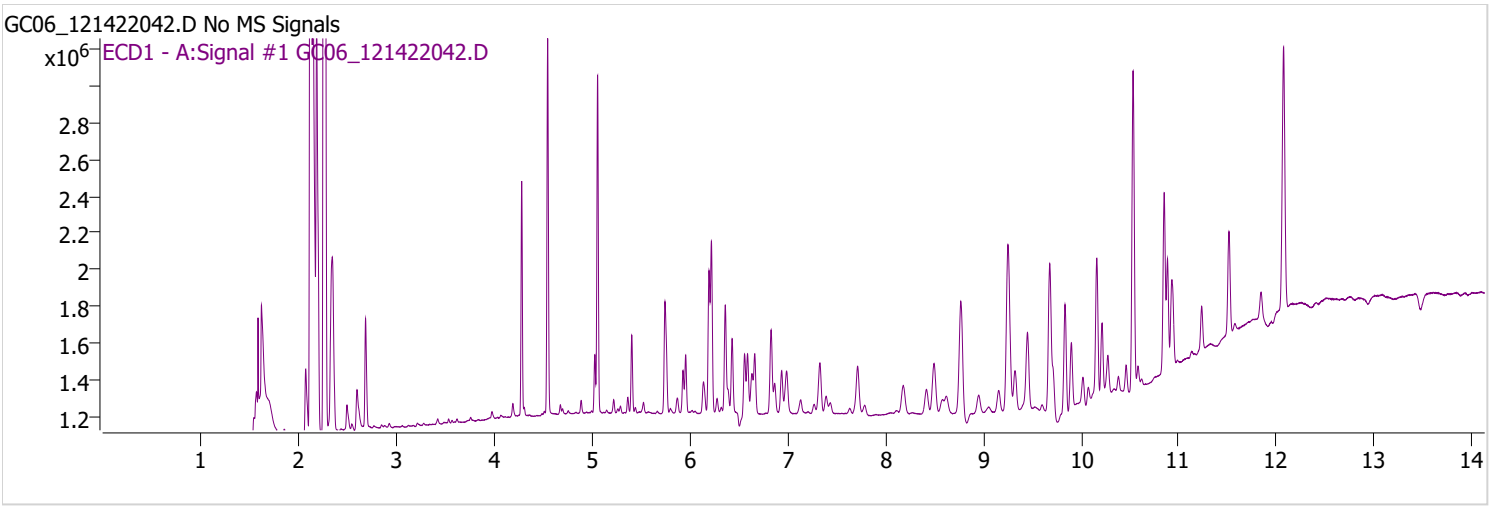
ISTD (CCV gc06_121422036)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5560467	5420568	-2.52
1-bromo-2-nitrobenzene (PCB)	A	1170615	1156450	-1.21

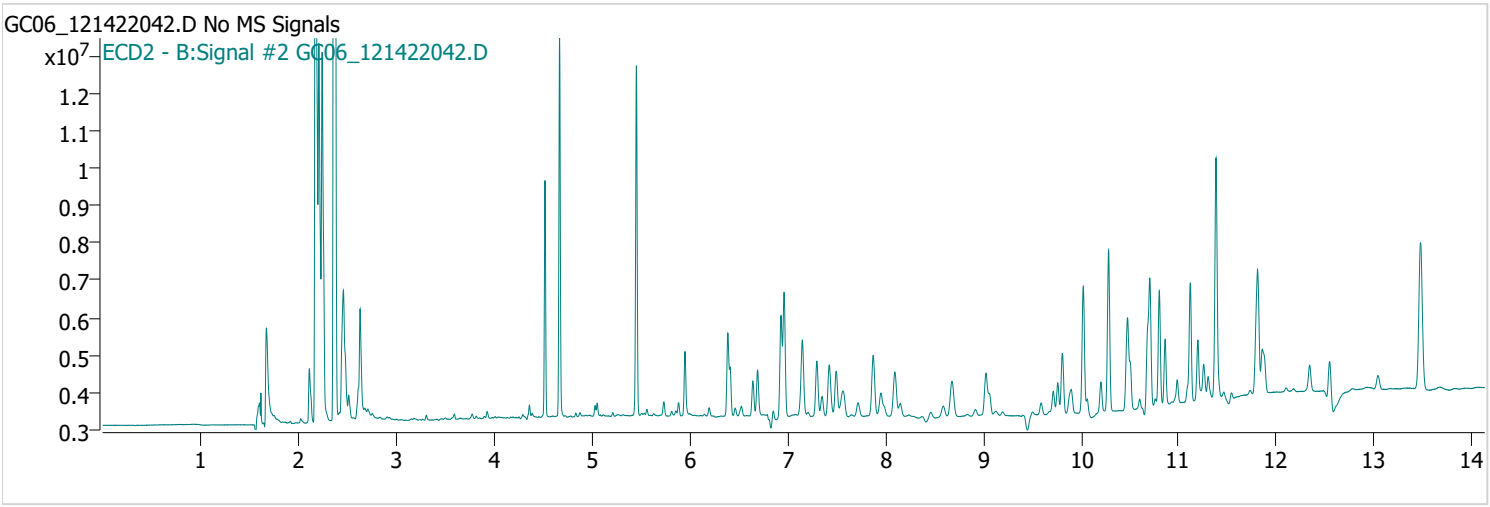
ISTD (CCV gc06_121422036)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

Analyst: TRN 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422042.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 12:36:27 AM
Sample Name	QC1031900, 303182, 1	Instrument	SVOA-GC06
Vial	25	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



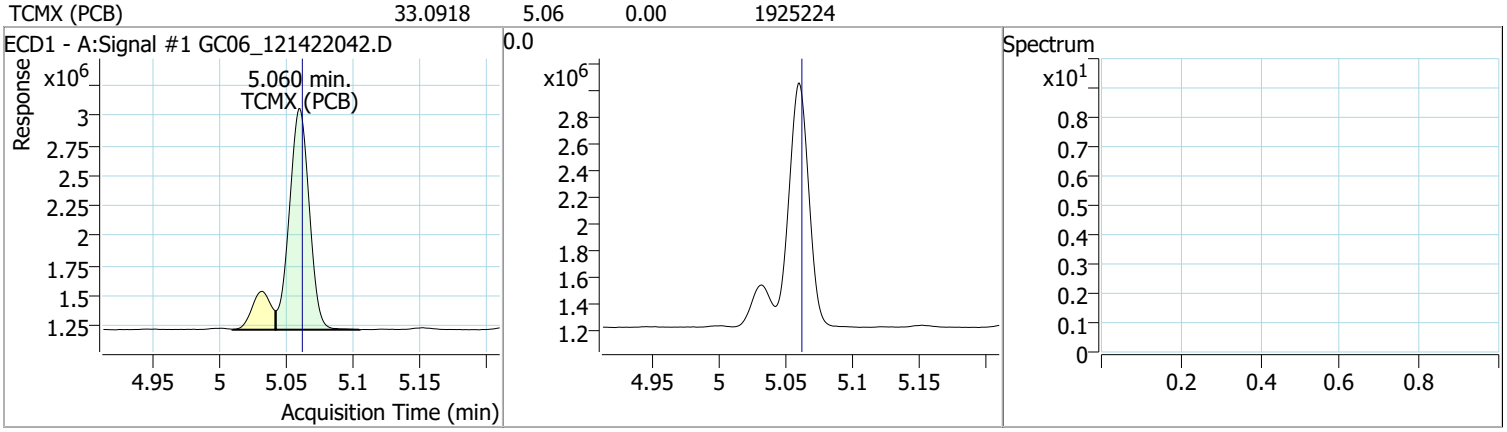


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	1210074.998	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.523	0.0	5715755.202	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.060	0.0	1925223.577	33.0918	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 165.46%		*	
S TCMX (PCB) #2	5.456	0.0	10189302.759	37.1200	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 185.60%		*	
S Decachlorobiphenyl (PCB)	12.071	0.0	2926877.805	35.5854	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 177.93%		*	
S Decachlorobiphenyl (PCB) #2	13.471	0.0	9833233.023	31.7099	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 158.55%		*	
Target Compounds							QValue

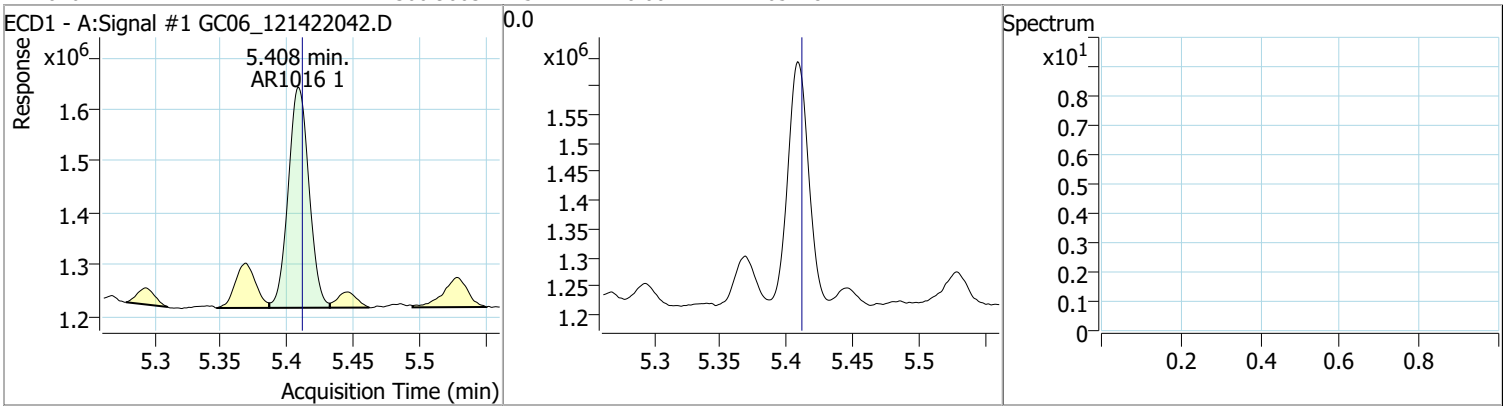
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.408	0.0	465477.927	366.9003	ng/ml	100
T AR1016 2	5.748	0.0	1020425.106	389.1285	ng/ml	100
T AR1016 1 #2	5.953	0.0	2198877.668	370.1497	ng/ml	100
T AR1016 3	6.223	0.0	1245519.407	387.2149	ng/ml	100
T AR1016 4	6.365	0.0	376239.535	153.7913	ng/ml	100
T AR1016 2 #2	6.391	0.0	4661818.496	543.6273	ng/ml	100
T AR1016 5	6.562	0.0	585796.369	297.2843	ng/ml	100
T AR1016 3 #2	6.965	0.0	6012953.389	385.9019	ng/ml	100
T AR1016 4 #2	7.152	0.0	4083268.268	367.0744	ng/ml	100
T AR1016 5 #2	7.301	0.0	2605202.232	288.1245	ng/ml	100
T AR1260 1	8.772	0.0	1830639.307	447.4481	ng/ml	100
T AR1260 2	9.253	0.0	2273201.933	364.5377	ng/ml	100
T AR1260 3	9.681	0.0	2141611.989	328.5778	ng/ml	100
T AR1260 1 #2	10.023	0.0	6047951.776	355.5524	ng/ml	100
T AR1260 4	10.162	0.0	1357037.587	378.7556	ng/ml	100
T AR1260 2 #2	10.282	0.0	7313390.417	357.8344	ng/ml	100
T AR1260 3 #2	10.703	0.0	8803945.250	340.3160	ng/ml	100
T AR1260 5	10.850	0.0	1573778.199	198.7922	ng/ml	100
T AR1260 4 #2	11.117	0.0	5281762.687	348.3372	ng/ml	100
T AR1260 5 #2	11.380	0.0	10894583.306	488.0912	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

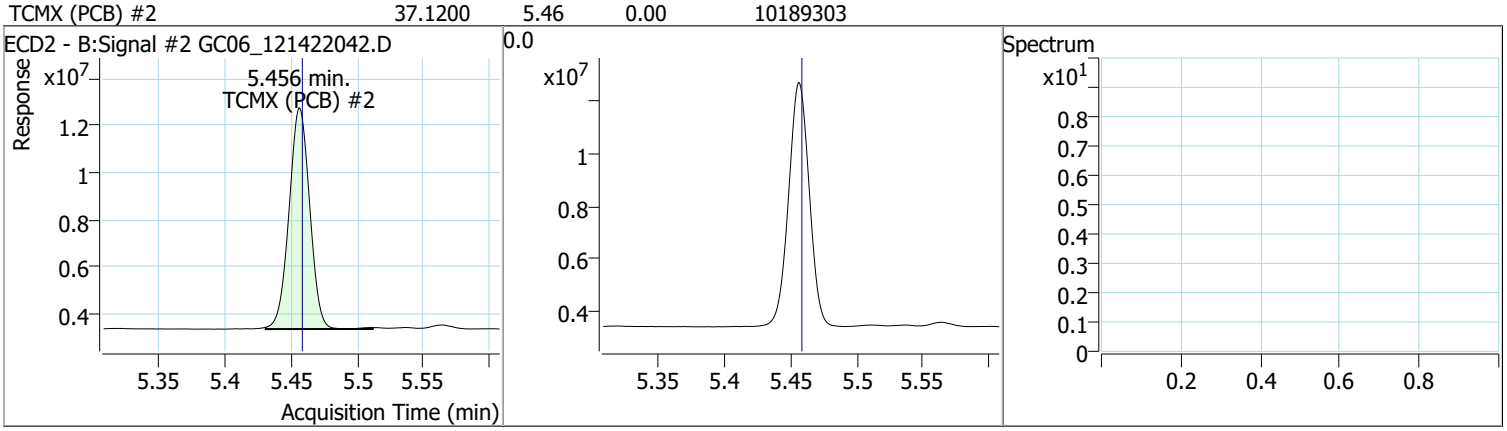
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	33.0918	5.06	0.00	1925224				



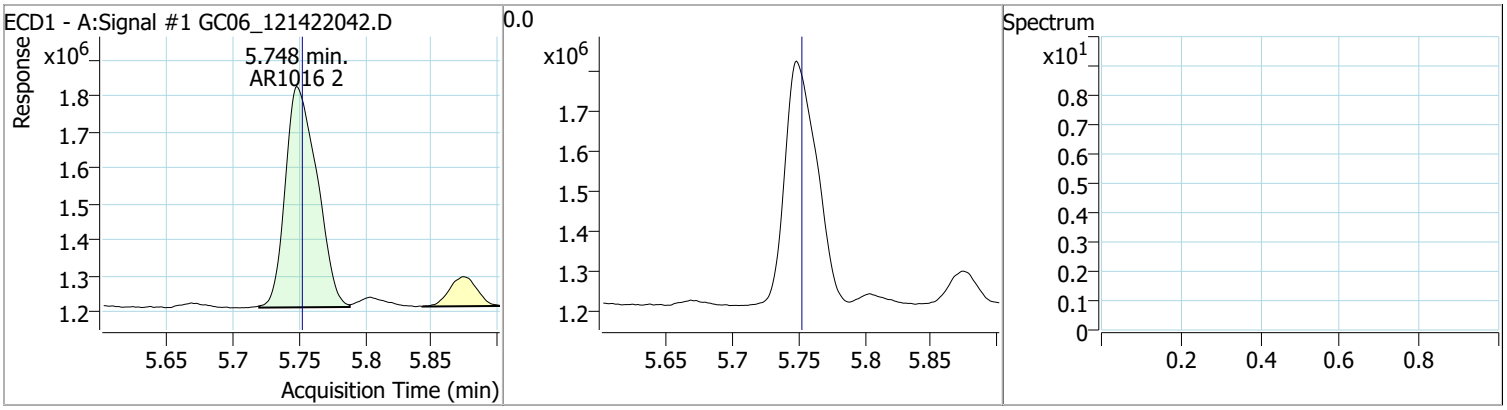
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	366.9003	5.41	0.00	465478				



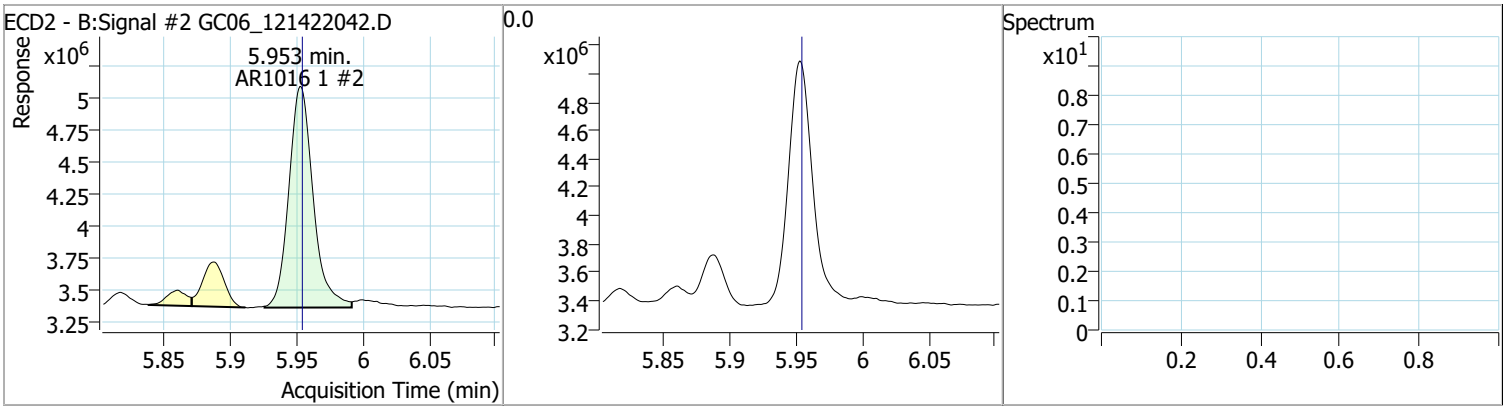
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.1200	5.46	0.00	10189303				



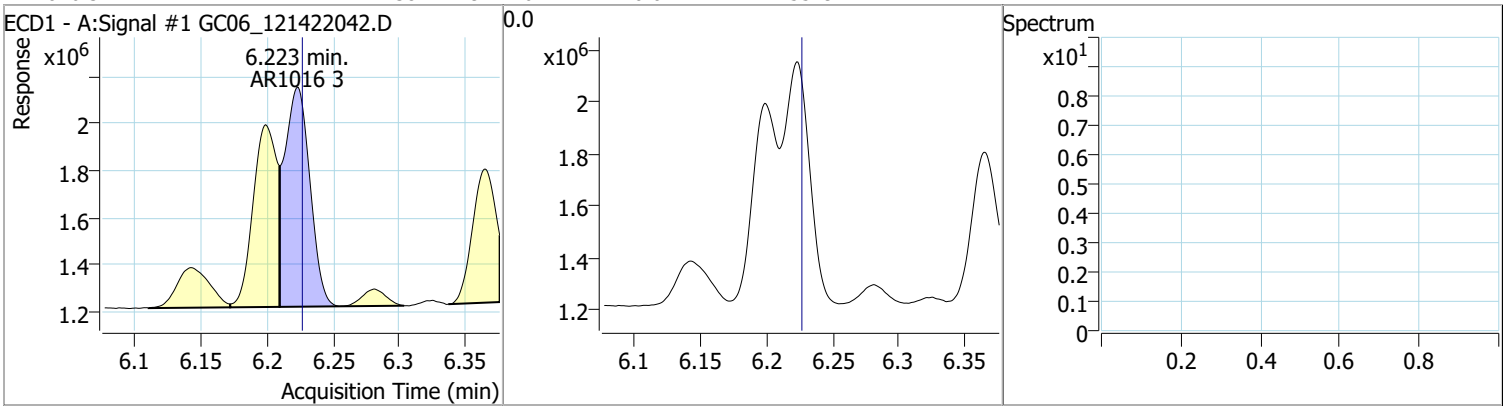
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	389.1285	5.75	-0.01	1020425				



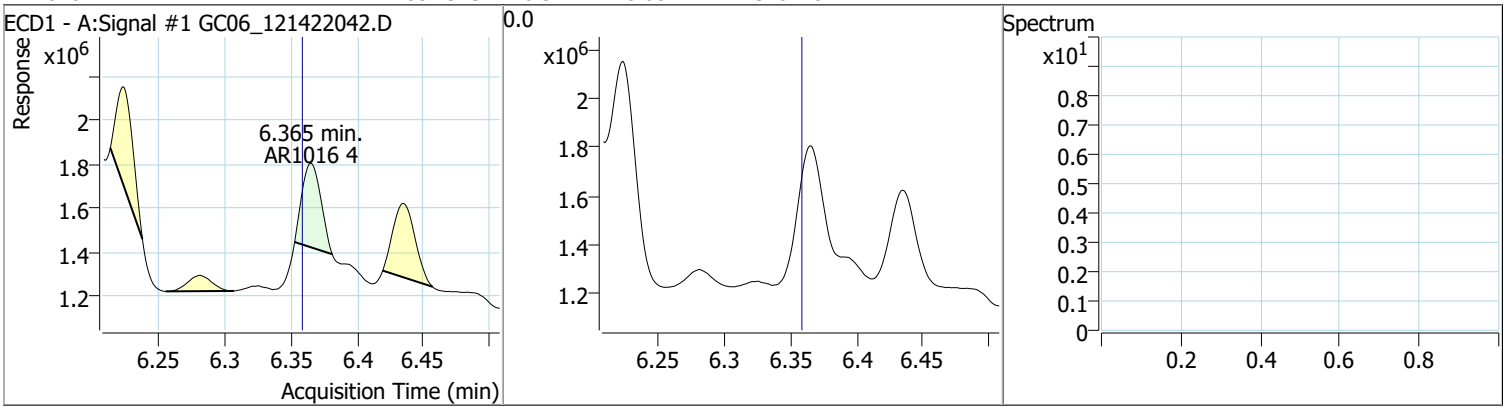
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	370.1497	5.95	0.00	2198878				



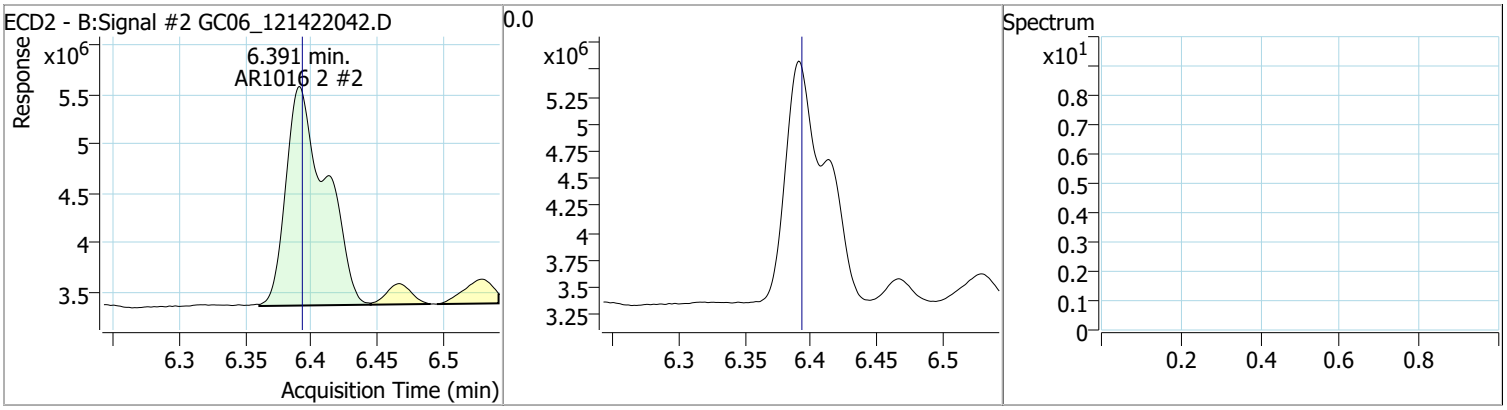
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	387.2149	6.22	-0.01	1245519				



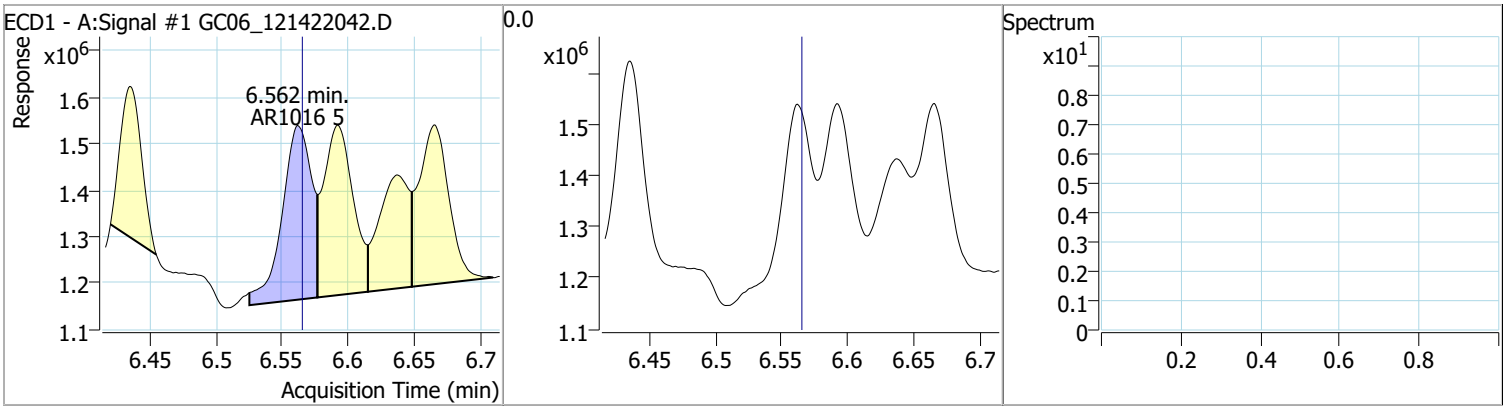
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	153.7913	6.37	0.00	376240				



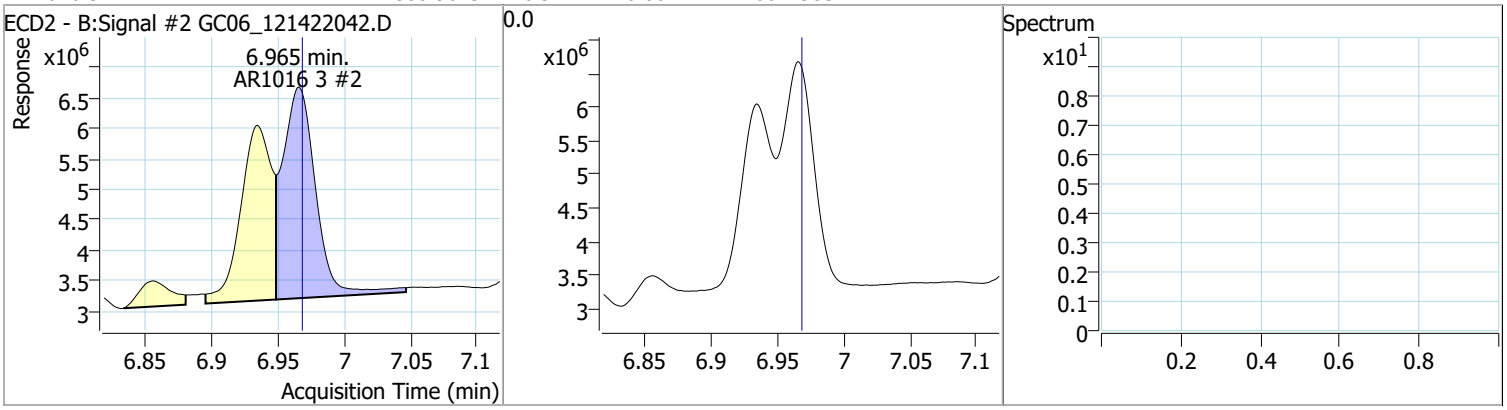
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	543.6273	6.39	0.00	4661818				



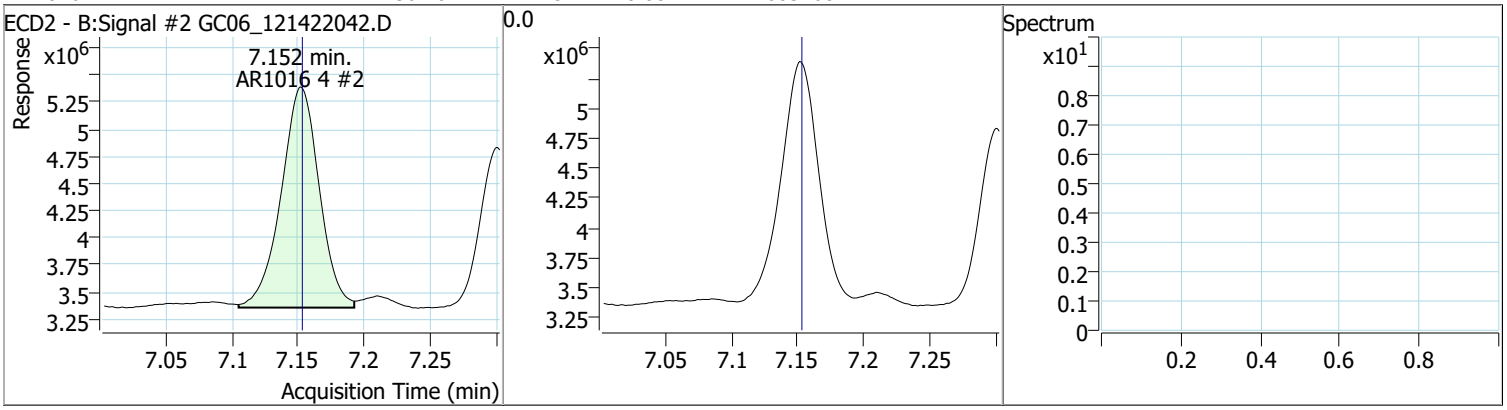
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	297.2843	6.56	-0.01	585796				



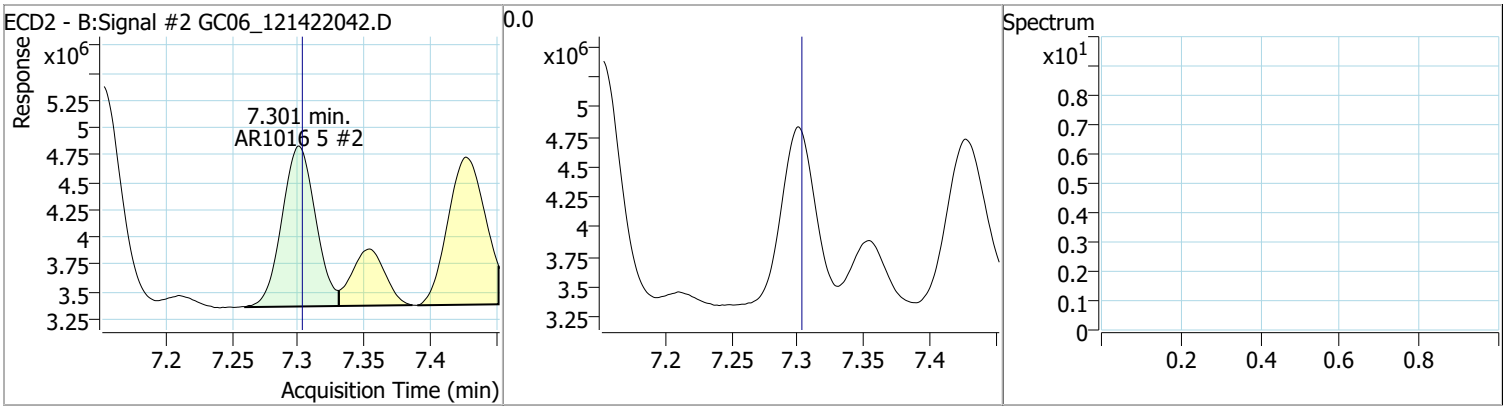
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	385.9019	6.97	0.00	6012953				



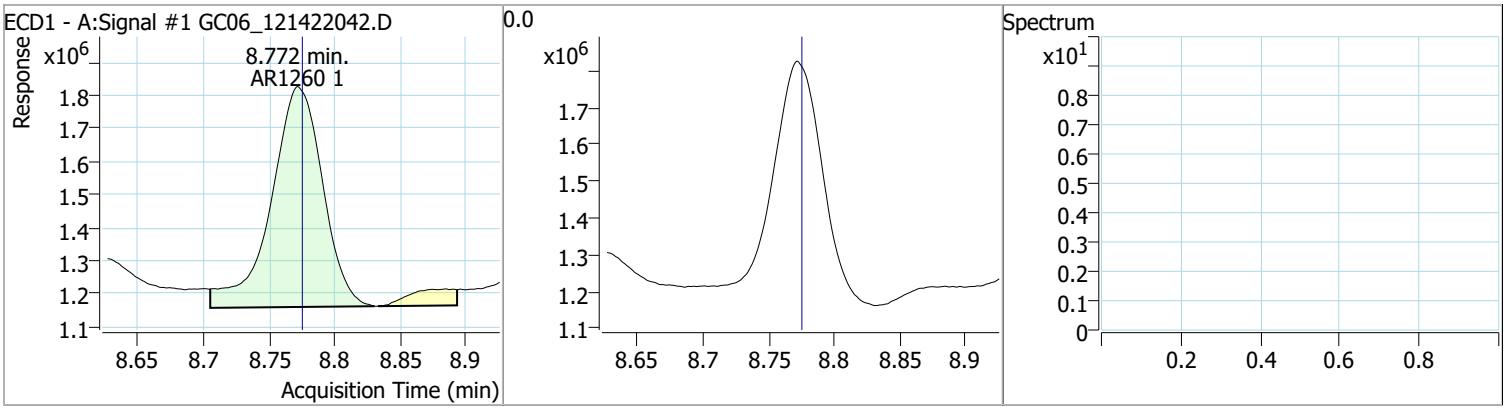
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	367.0744	7.15	0.00	4083268				



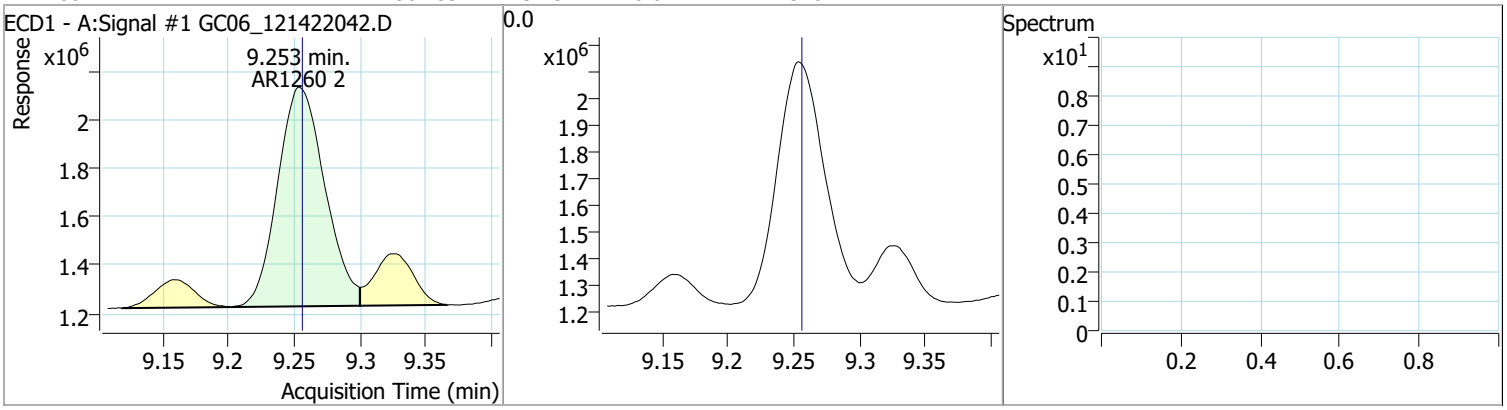
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	288.1245	7.30	0.00	2605202				



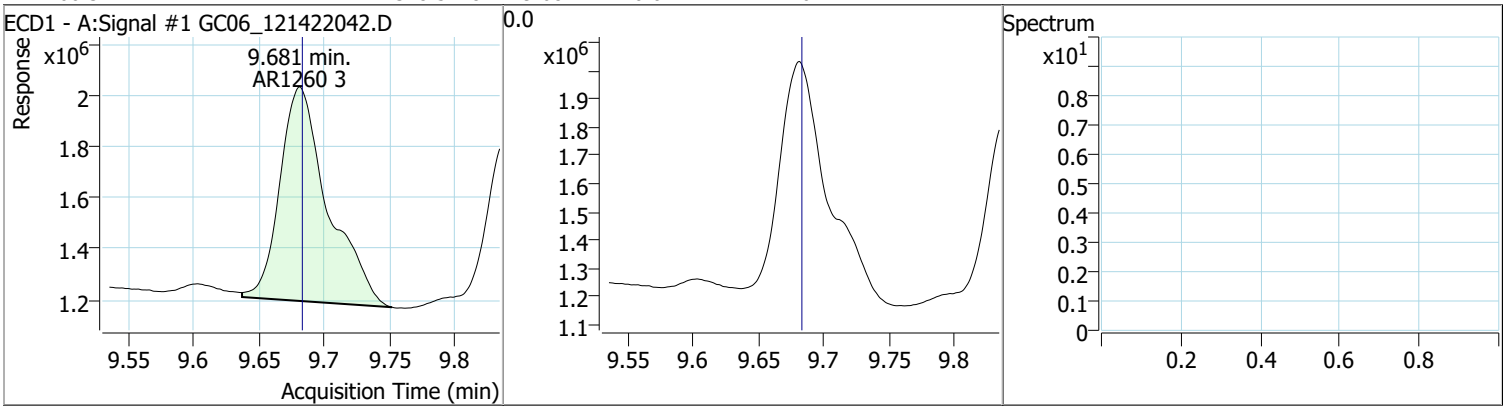
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	447.4481	8.77	-0.01	1830639				



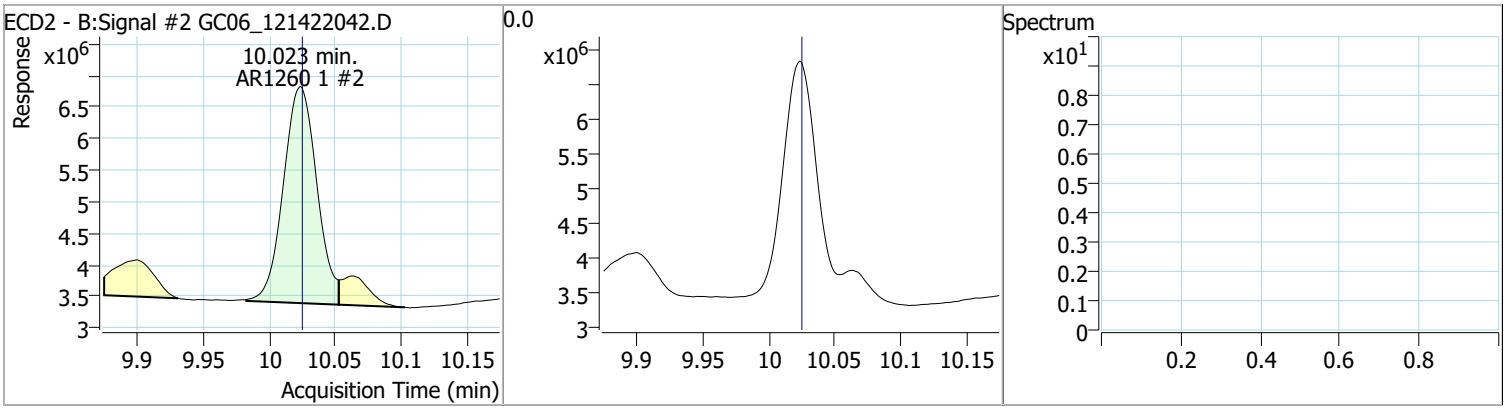
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	364.5377	9.25	-0.01	2273202				



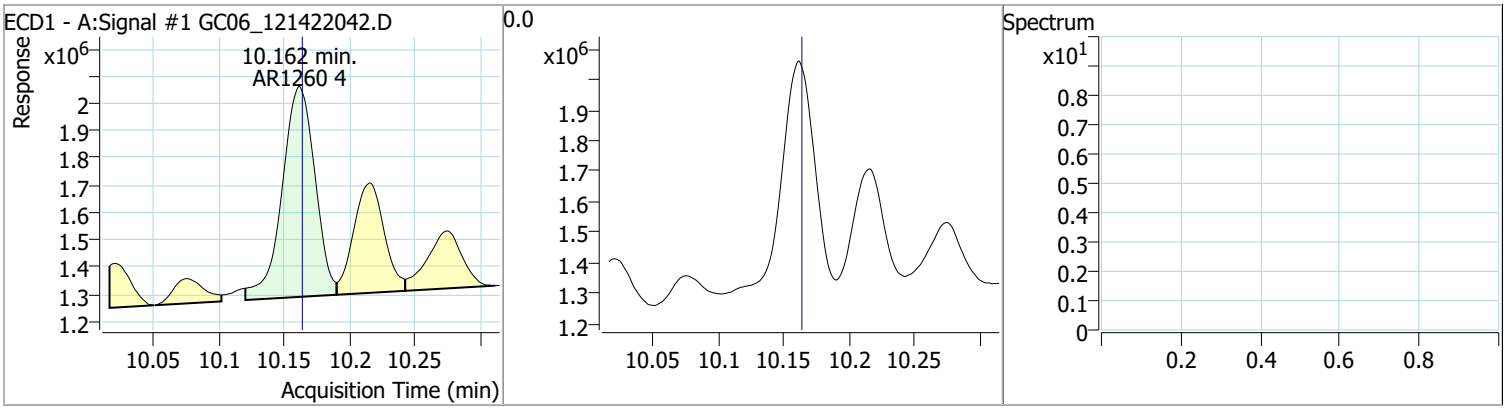
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	328.5778	9.68	-0.01	2141612				



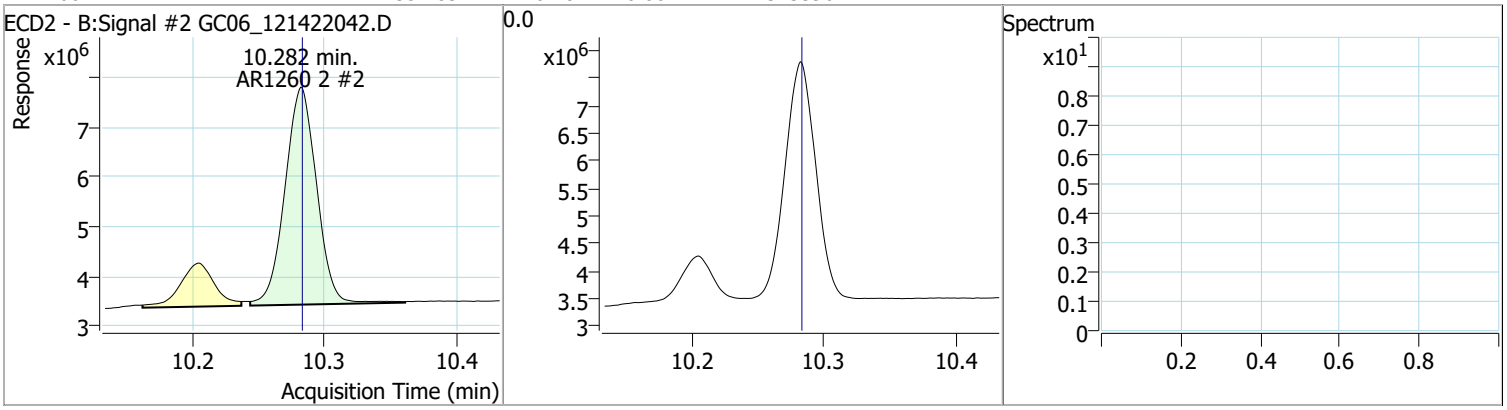
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	355.5524	10.02	0.00	6047952				



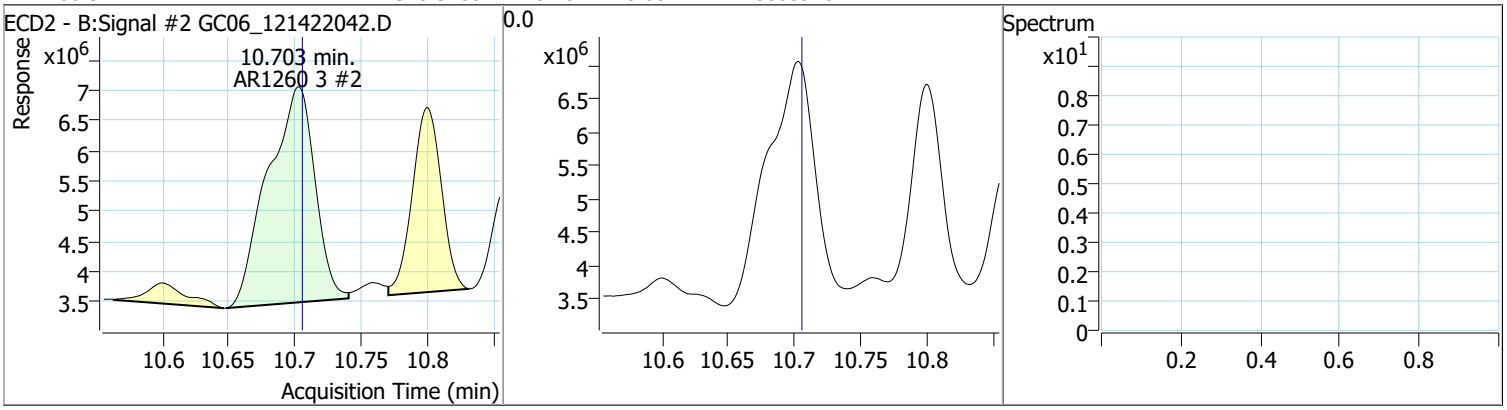
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	378.7556	10.16	-0.01	1357038				



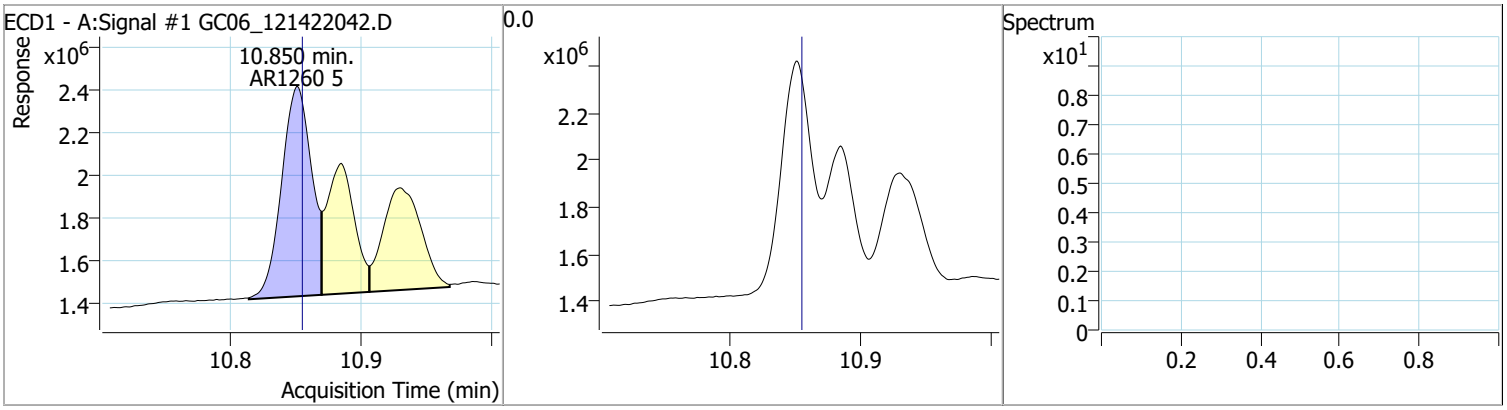
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	357.8344	10.28	0.00	7313390				



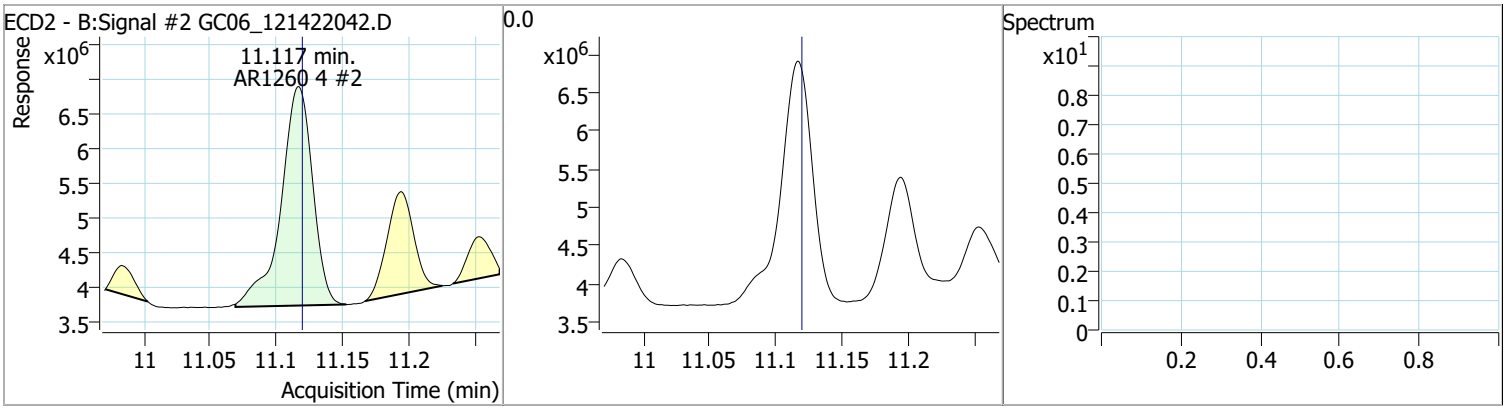
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	340.3160	10.70	0.00	8803945				



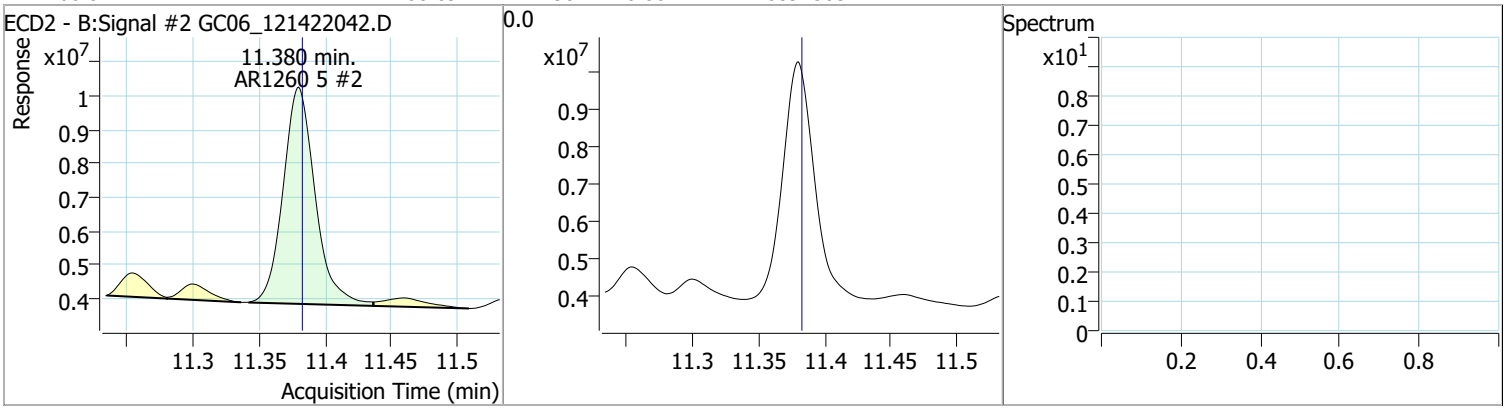
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	198.7922	10.85	-0.01	1573778				



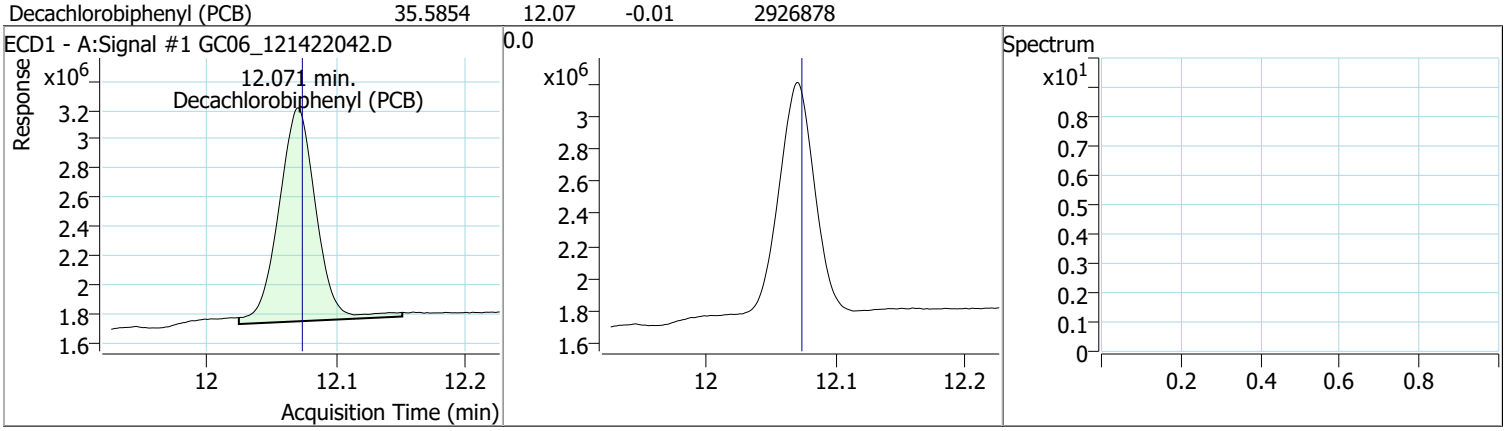
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	348.3372	11.12	0.00	5281763				



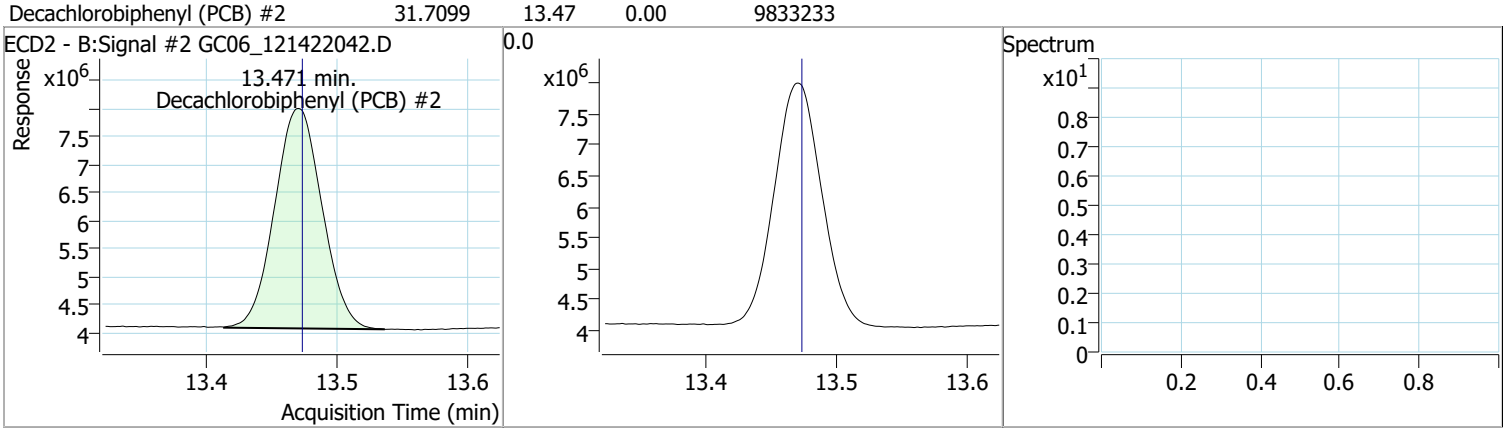
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	488.0912	11.38	0.00	10894583				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	35.5854	12.07	-0.01	2926878				

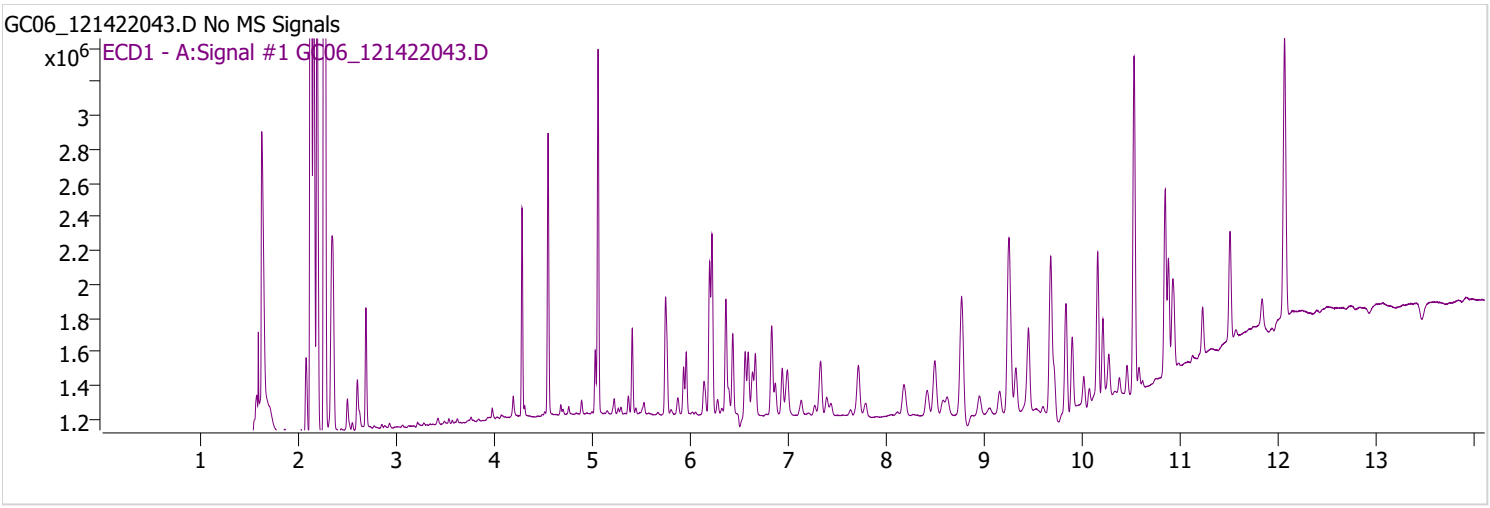


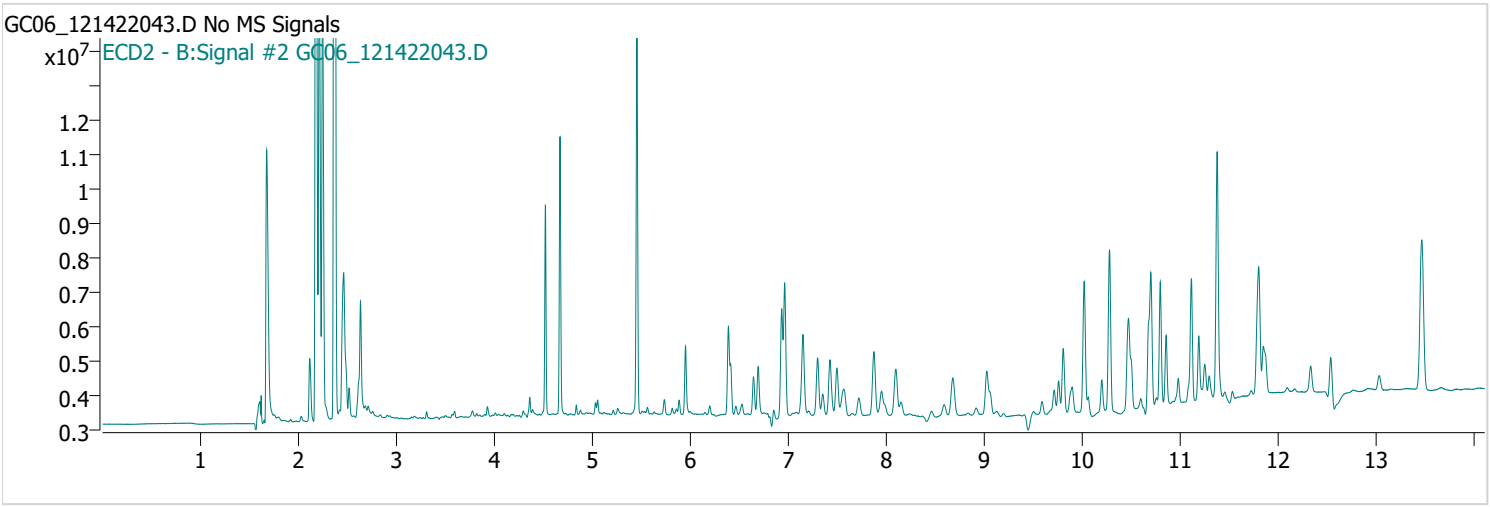
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	31.7099	13.47	0.00	9833233				



Quantitation Results Report (Not Reviewed)

Data File	GC06_121422043.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 12:54:47 AM
Sample Name	QC1031901, 303182, 1	Instrument	SVOA-GC06
Vial	26	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



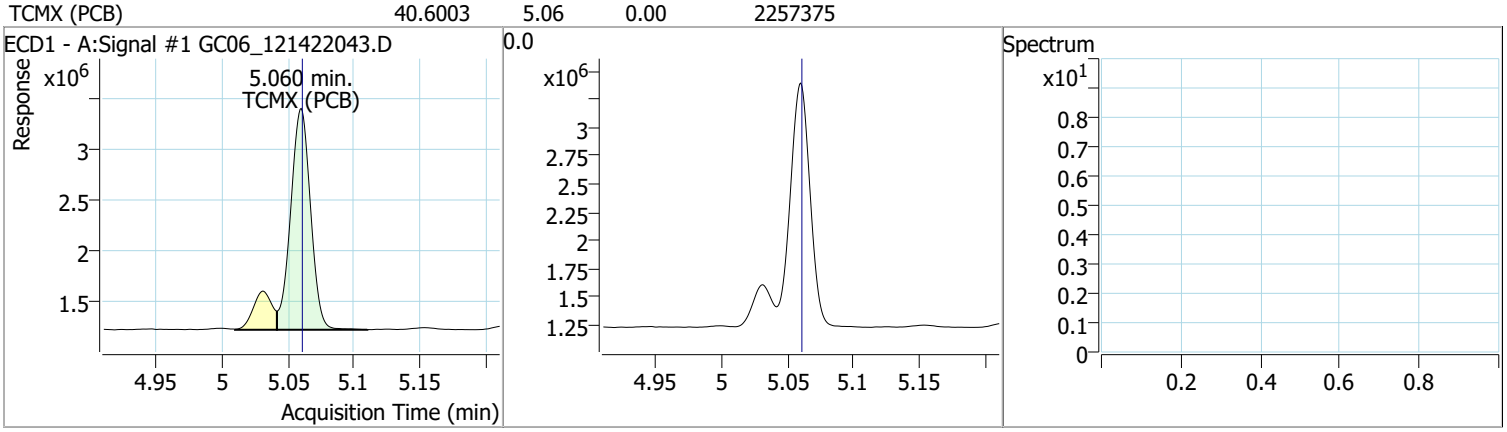


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.283	0.0	1156450.106	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	5420567.778	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.060	0.0	2257375.328	40.6003	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 203.00%		*	
S TCMX (PCB) #2	5.457	0.0	11850261.637	45.5219	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 227.61%		*	
S Decachlorobiphenyl (PCB)	12.069	0.0	3340721.183	43.3403	ng/ml		-0.009
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 216.70%		*	
S Decachlorobiphenyl (PCB) #2	13.471	0.0	11453880.701	39.4299	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.15%		*	
Target Compounds							QValue

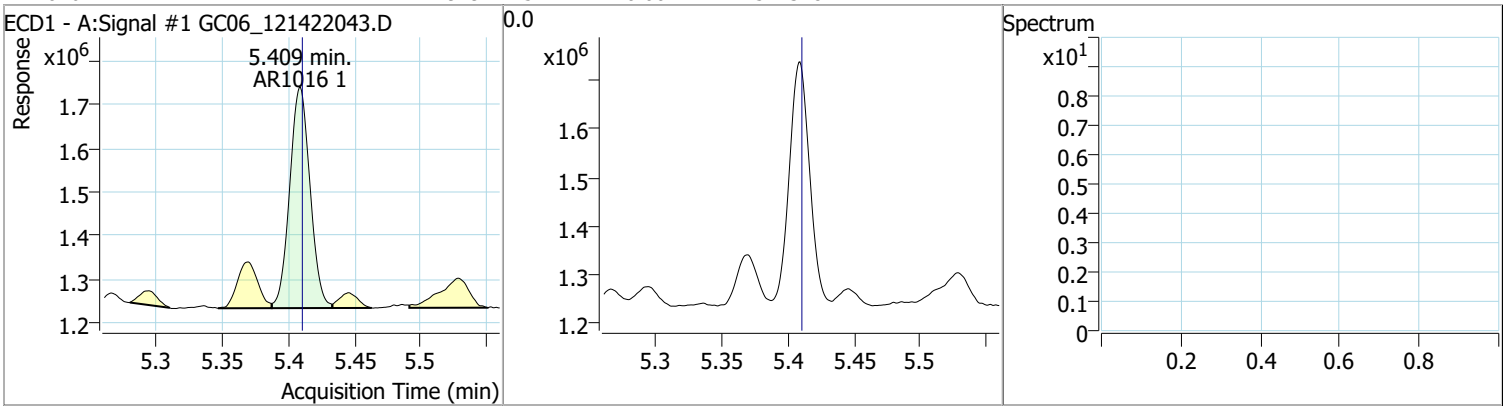
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.409	0.0	542328.486	447.2979	ng/ml	100
T AR1016 2	5.750	0.0	1165477.866	468.0545	ng/ml	100
T AR1016 1 #2	5.953	0.0	2507681.099	445.1204	ng/ml	100
T AR1016 3	6.223	0.0	1446395.259	470.5155	ng/ml	100
T AR1016 4	6.365	0.0	1284129.473	549.2393	ng/ml	100
T AR1016 2 #2	6.391	0.0	5234879.848	643.6969	ng/ml	100
T AR1016 5	6.563	0.0	676627.786	359.3028	ng/ml	100
T AR1016 3 #2	6.965	0.0	6639271.950	449.3020	ng/ml	100
T AR1016 4 #2	7.152	0.0	4700423.748	445.5661	ng/ml	100
T AR1016 5 #2	7.302	0.0	3022155.427	352.4393	ng/ml	100
T AR1260 1	8.772	0.0	1894280.480	484.4730	ng/ml	100
T AR1260 2	9.256	0.0	2611143.835	438.1478	ng/ml	100
T AR1260 3	9.682	0.0	2496173.345	400.7353	ng/ml	100
T AR1260 1 #2	10.023	0.0	6932034.409	429.7192	ng/ml	100
T AR1260 4	10.162	0.0	1548188.988	455.1356	ng/ml	100
T AR1260 2 #2	10.282	0.0	8460028.565	436.4797	ng/ml	100
T AR1260 3 #2	10.703	0.0	9988886.938	407.1467	ng/ml	100
T AR1260 5	10.852	0.0	1797230.018	241.0728	ng/ml	100
T AR1260 4 #2	11.118	0.0	5415590.781	378.5334	ng/ml	100
T AR1260 5 #2	11.381	0.0	12251430.504	582.2364	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

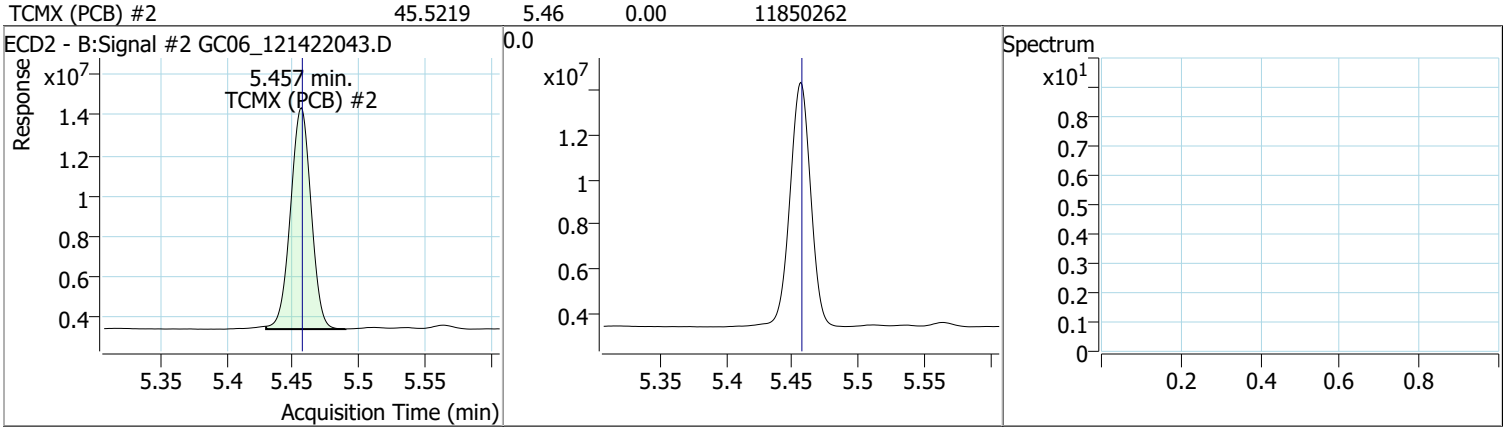
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	40.6003	5.06	0.00	2257375				



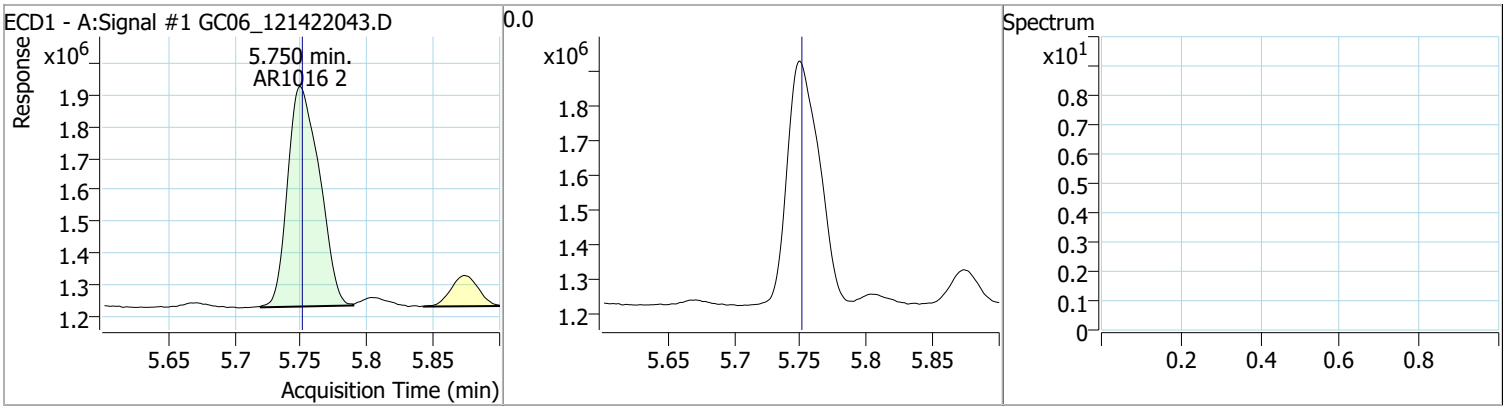
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	447.2979	5.41	0.00	542328				



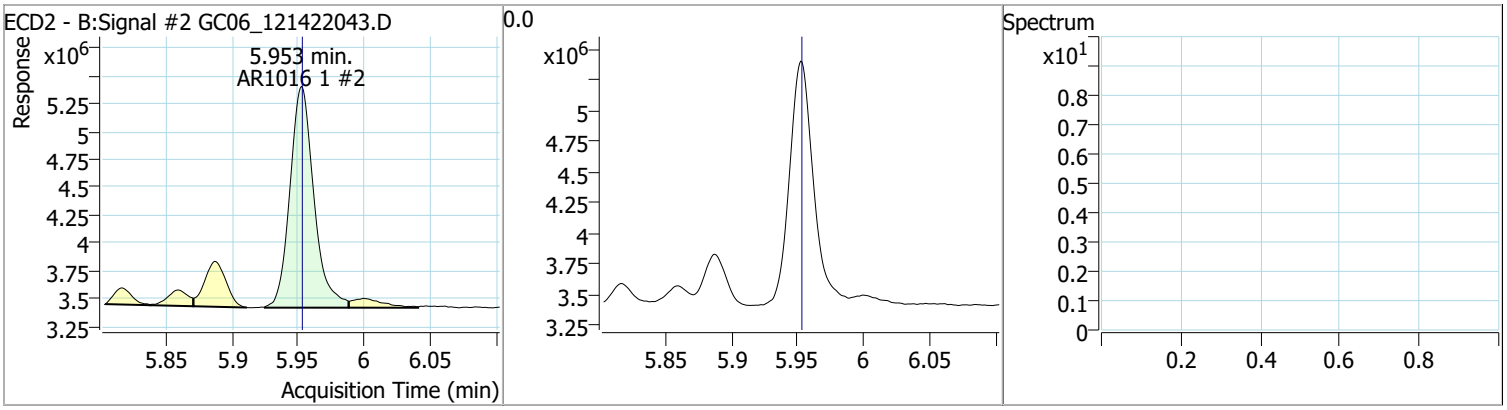
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	45.5219	5.46	0.00	11850262				



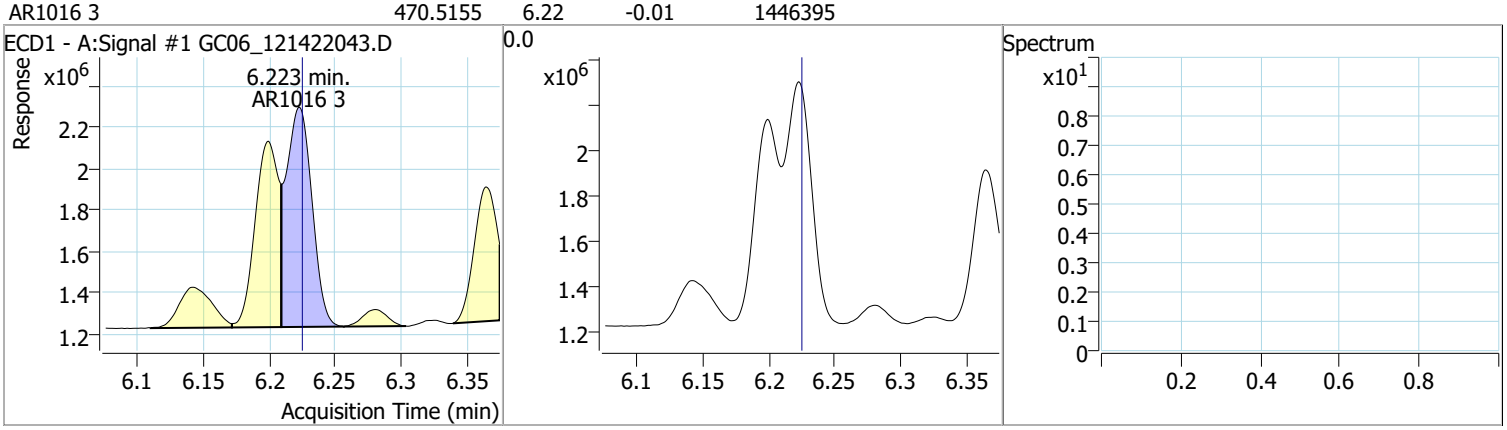
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	468.0545	5.75	0.00	1165478				



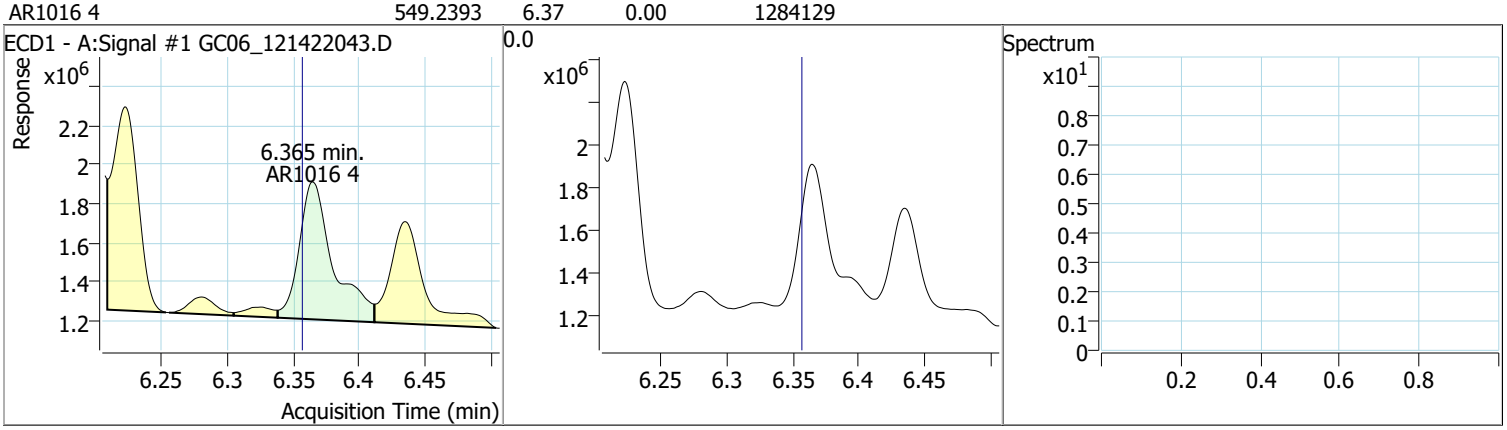
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	445.1204	5.95	0.00	2507681				



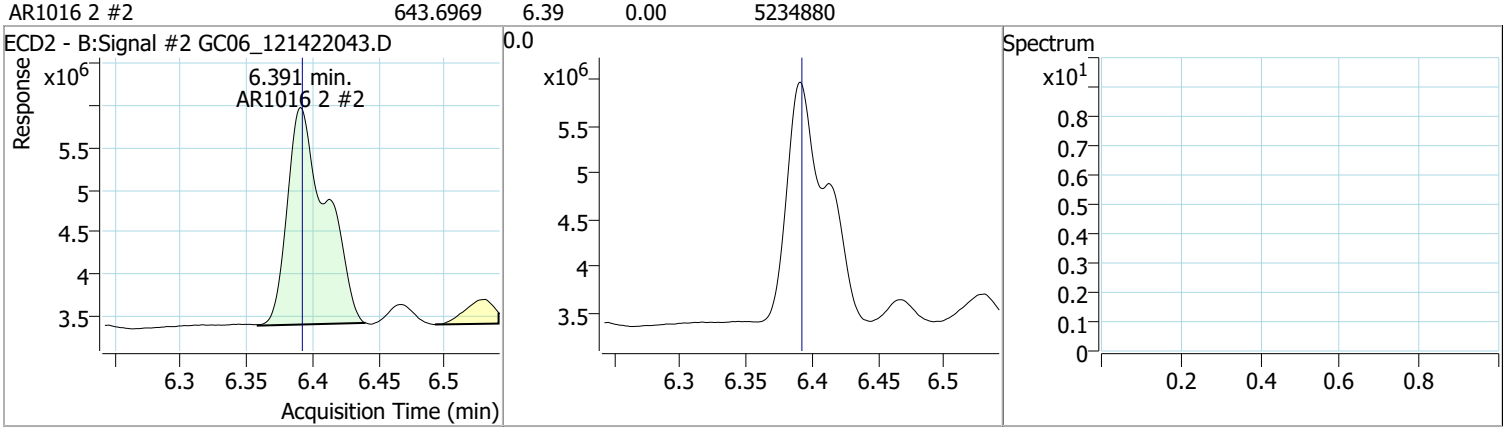
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	470.5155	6.22	-0.01	1446395				



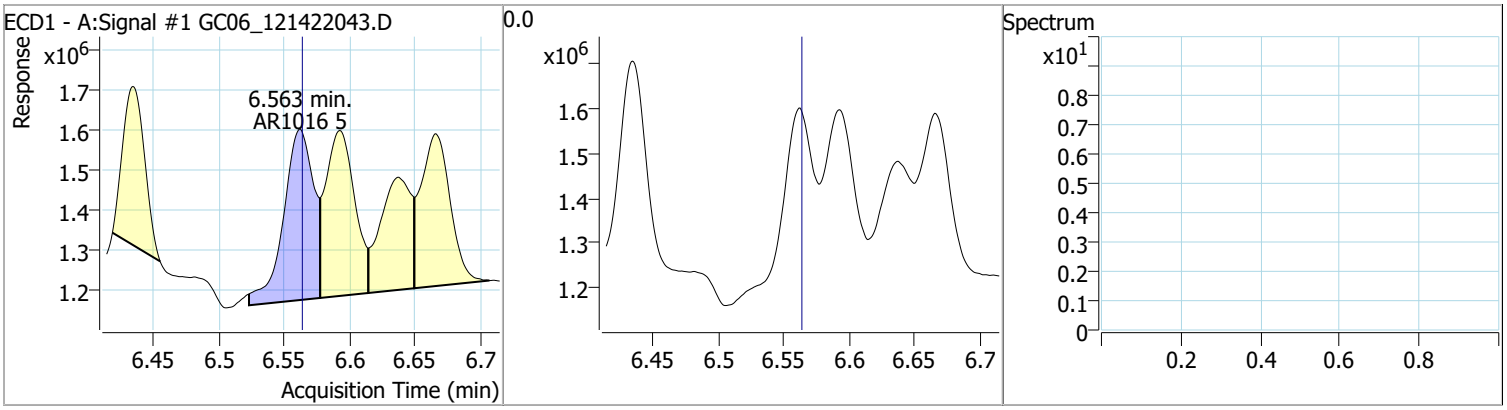
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	549.2393	6.37	0.00	1284129				



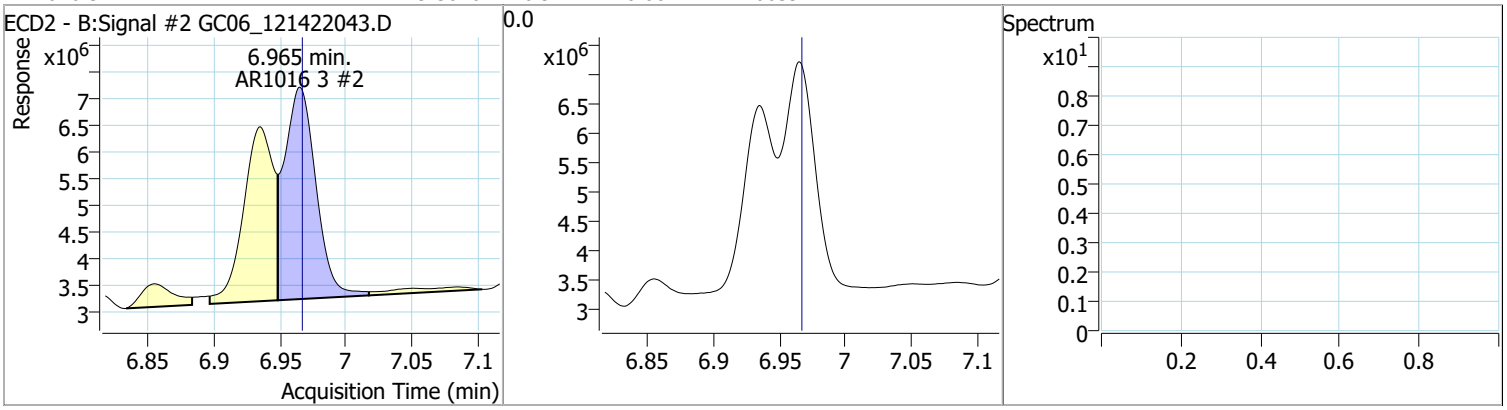
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	643.6969	6.39	0.00	5234880				



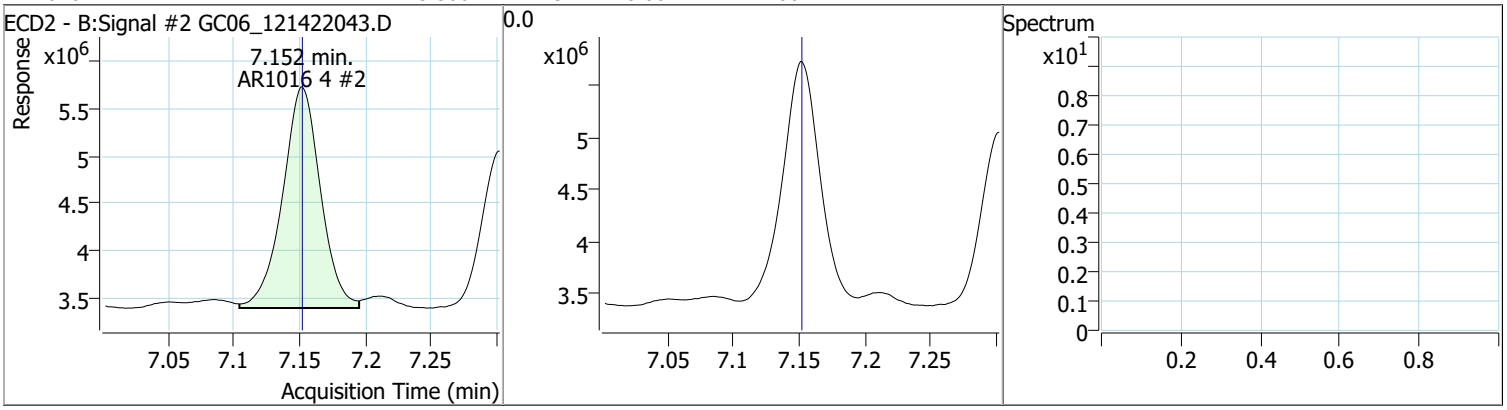
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	359.3028	6.56	0.00	676628				



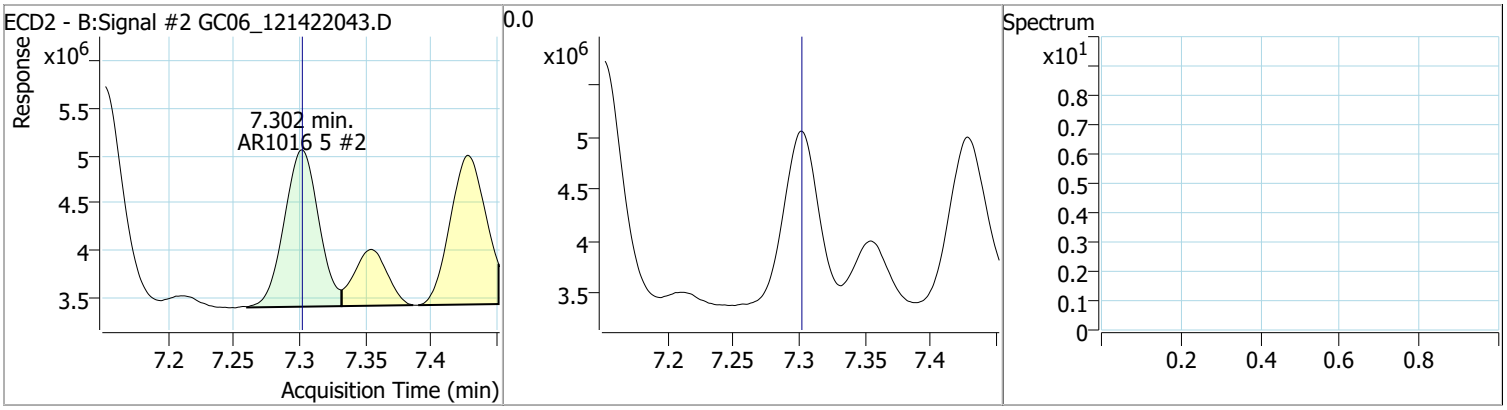
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	449.3020	6.97	0.00	6639272				



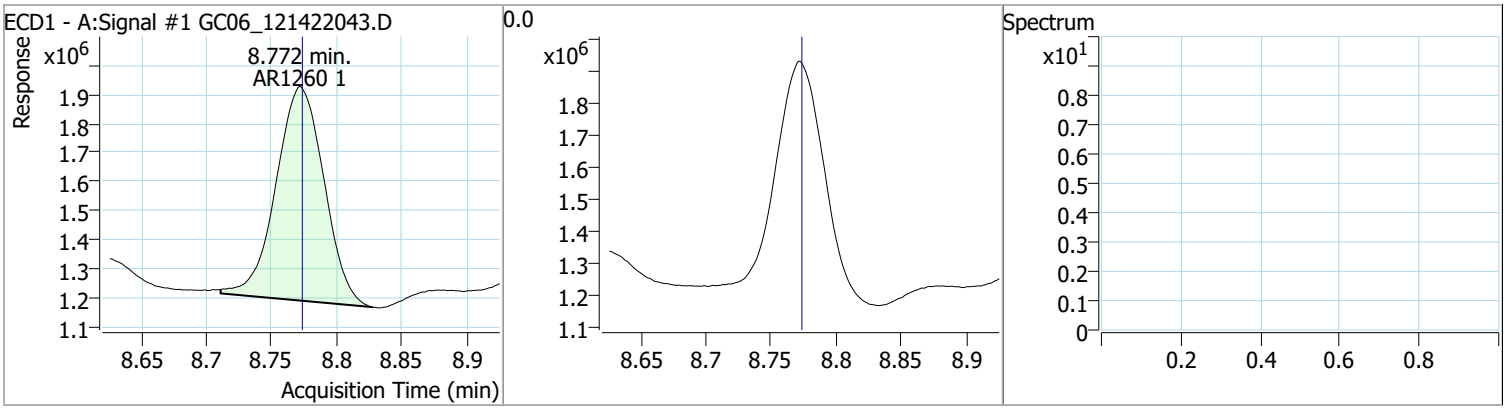
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	445.5661	7.15	0.00	4700424				



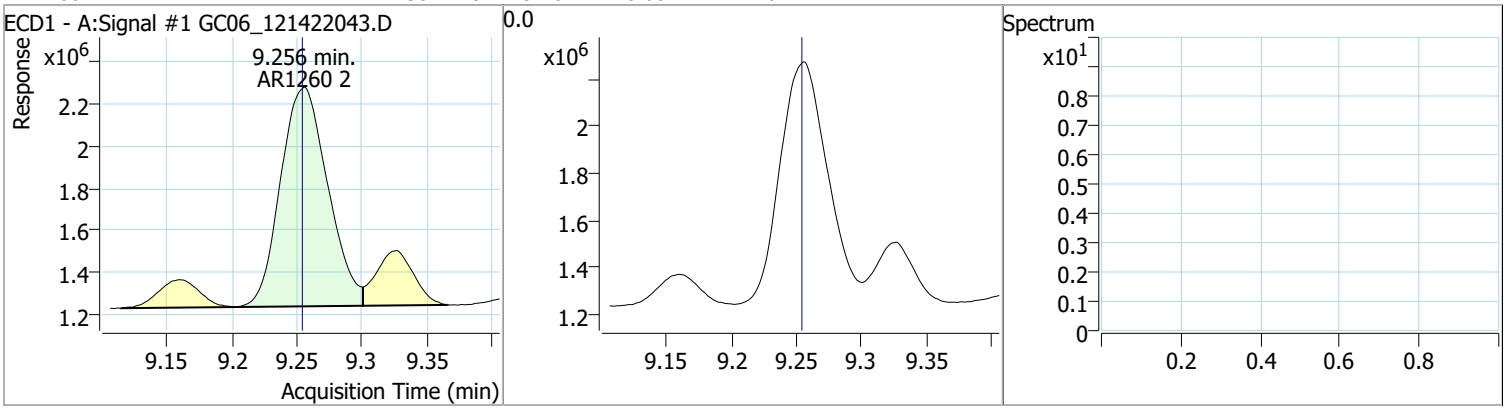
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	352.4393	7.30	0.00	3022155				



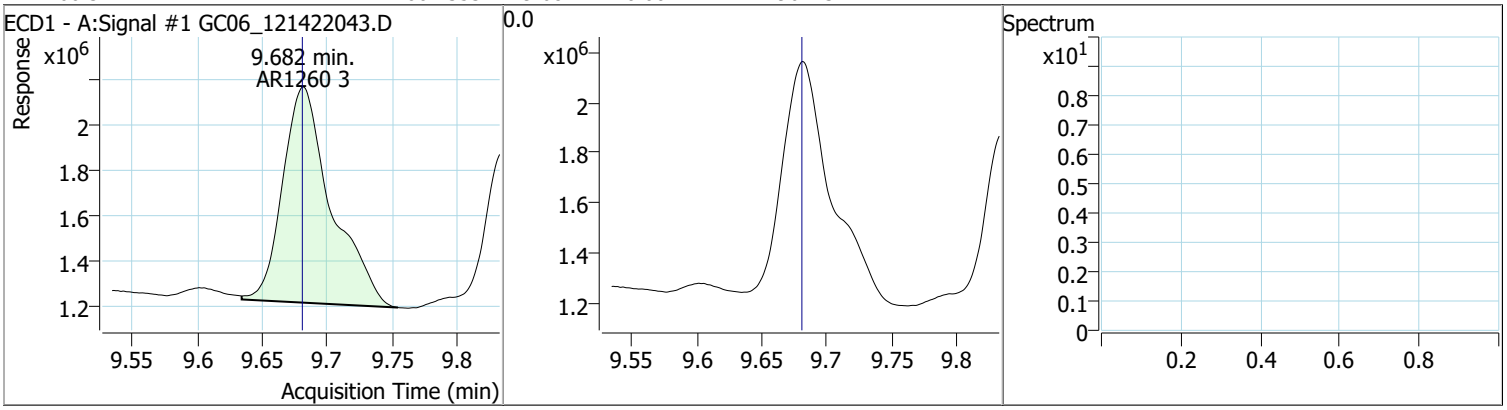
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	484.4730	8.77	-0.01	1894280				



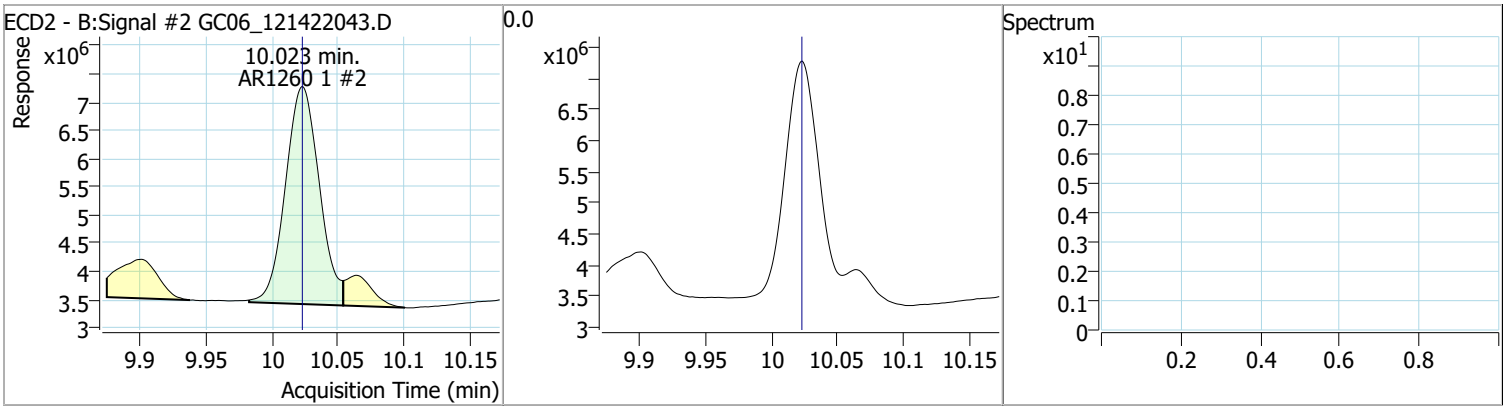
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	438.1478	9.26	0.00	2611144				



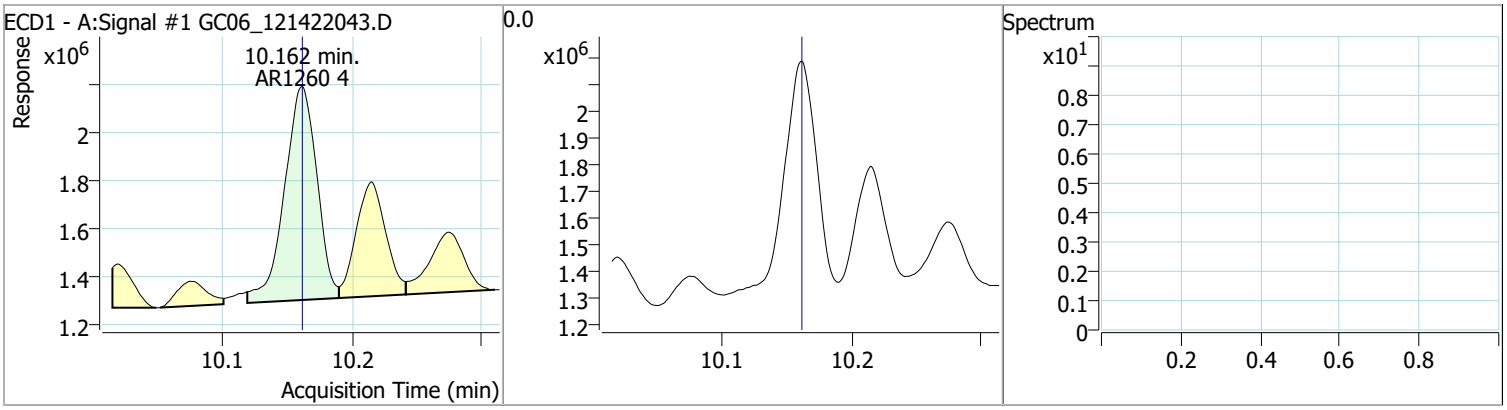
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	400.7353	9.68	0.00	2496173				



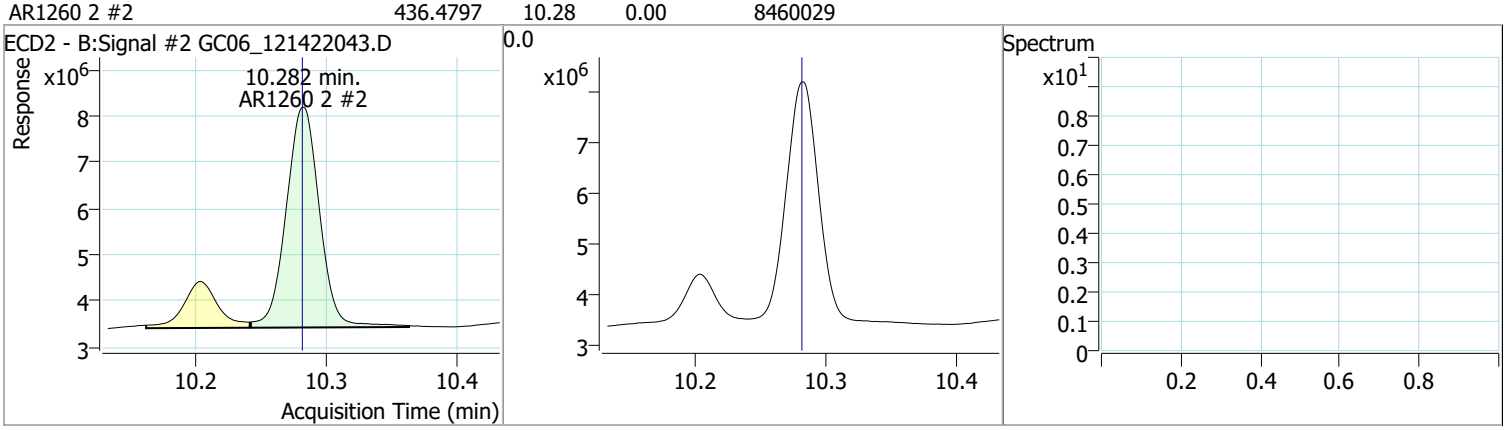
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	429.7192	10.02	0.00	6932034				



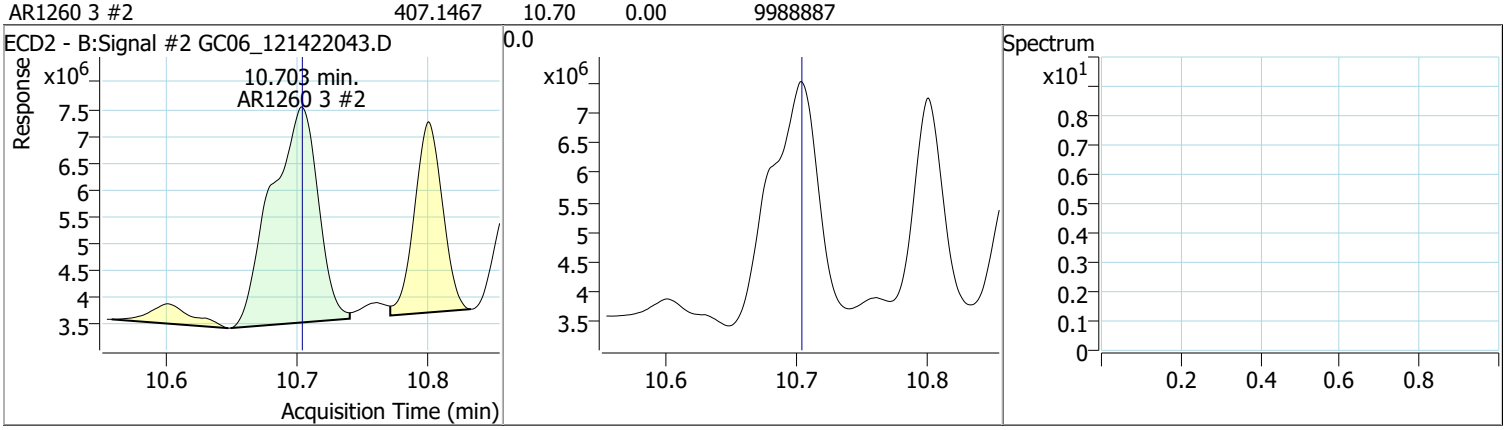
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	455.1356	10.16	-0.01	1548189				



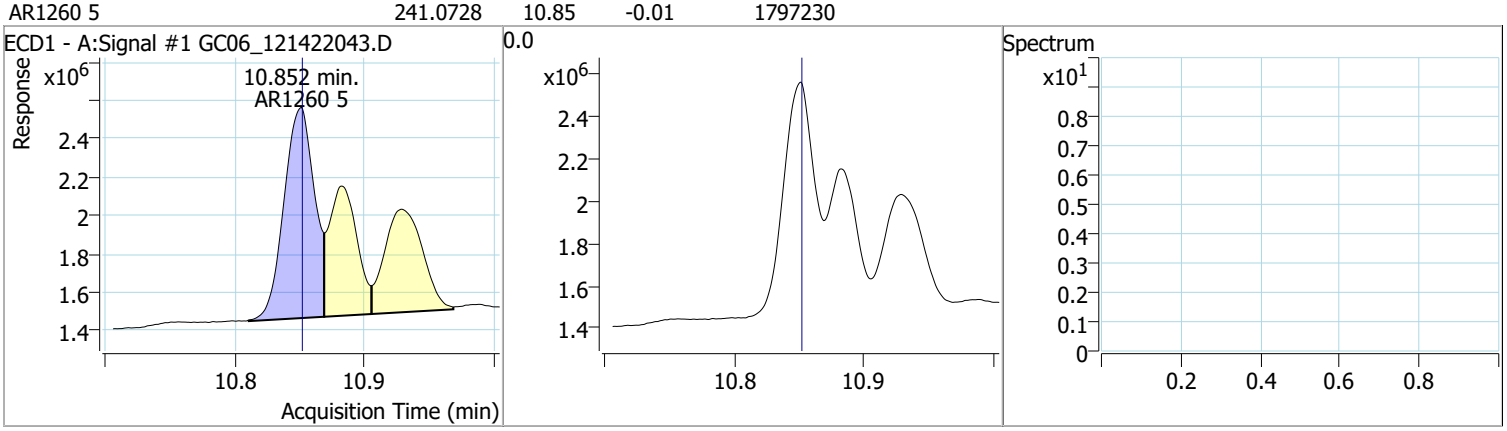
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	436.4797	10.28	0.00	8460029				



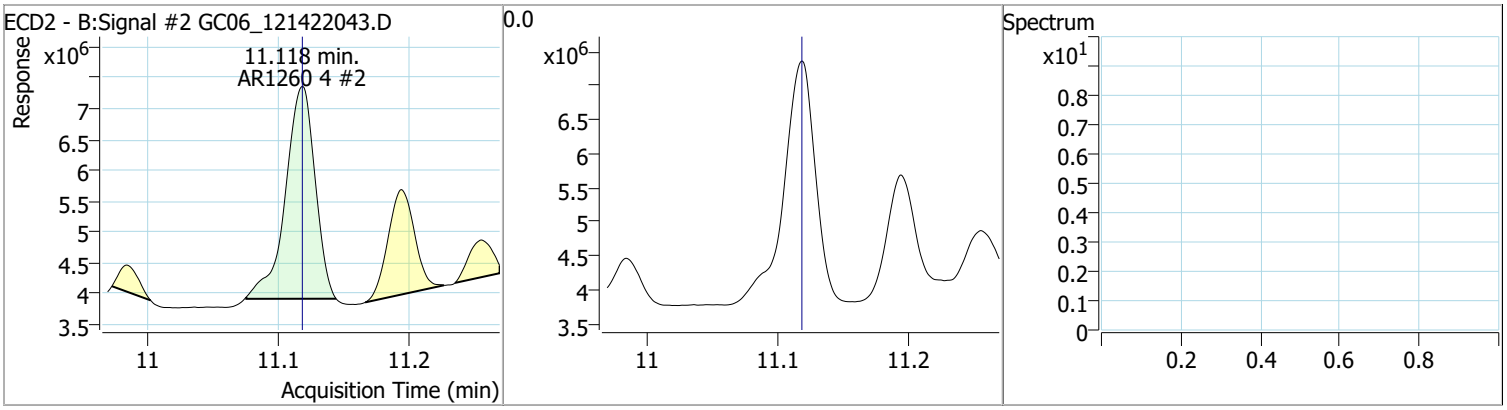
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	407.1467	10.70	0.00	9988887				



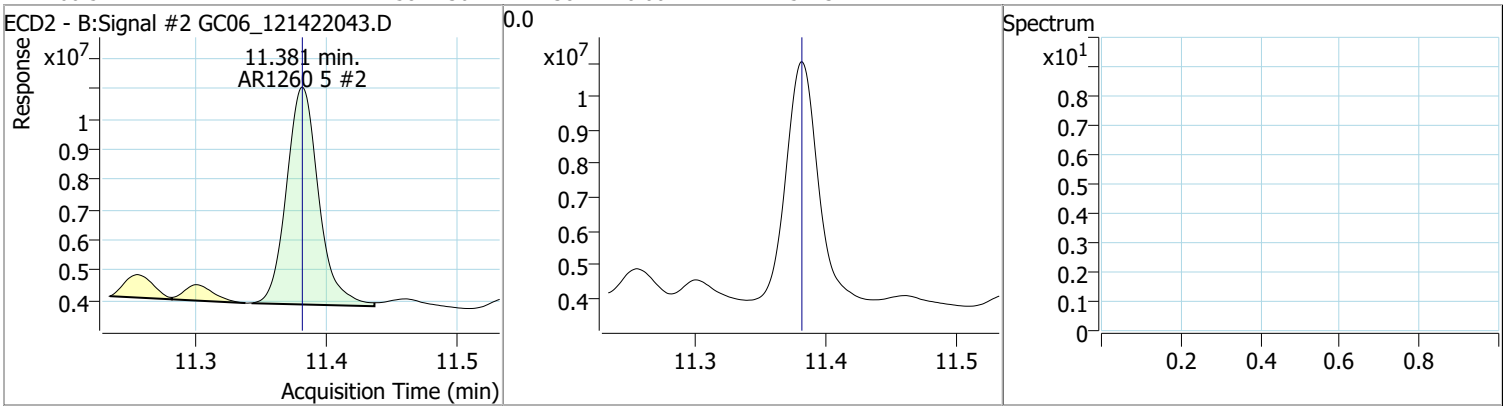
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	241.0728	10.85	-0.01	1797230				



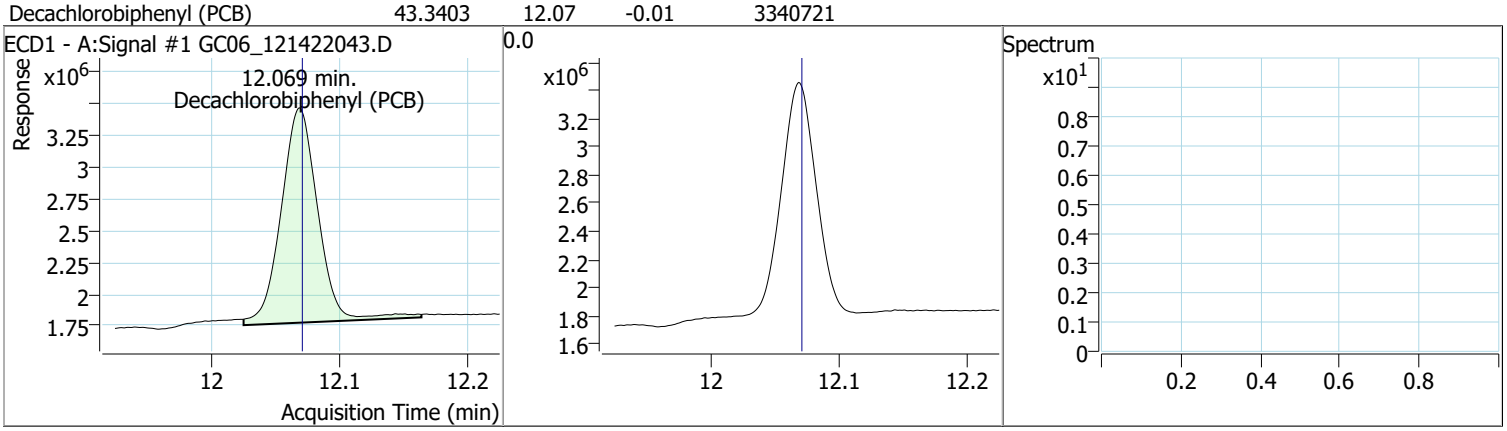
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	378.5334	11.12	0.00	5415591				



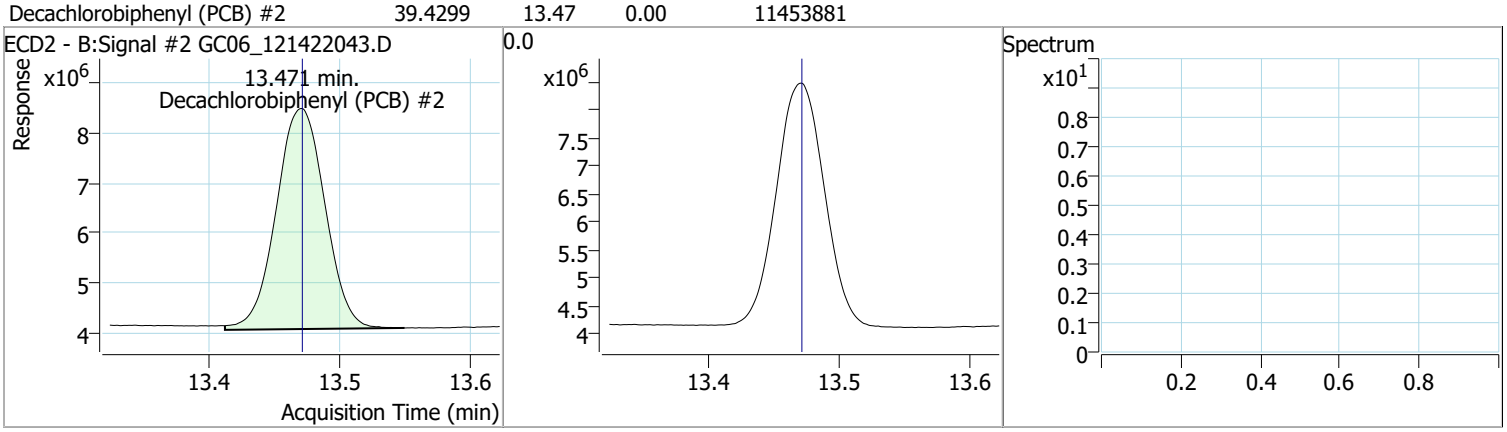
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	582.2364	11.38	0.00	12251431				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	43.3403	12.07	-0.01	3340721				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	39.4299	13.47	0.00	11453881				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 474711 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_102422014	452428510014		24-OCT-2022 17:26	S17263
L2	gc06_102422015	452428510015		24-OCT-2022 17:44	S17264
L3	gc06_102422016	452428510016		24-OCT-2022 18:02	S17265
L4	gc06_102422017	452428510017		24-OCT-2022 18:20	S17266
L5	gc06_102422018	452428510018		24-OCT-2022 18:38	S17267
L6	gc06_102422019	452428510019		24-OCT-2022 18:55	S17268
L7	gc06_102422020	452428510020		24-OCT-2022 19:13	S17269
L8	gc06_102422021	452428510021		24-OCT-2022 19:31	S17270
L9	gc06_102422022	452428510022		24-OCT-2022 19:49	S17271

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		47.6898		0.0210		15	9	.99	20	
Aroclor-1016 Peak # 2	A	LINR	-15.389	23.9841		0.0490	0.997		7	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		18.8095		0.0532		15	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		24.7311		0.0404		14	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		30.7045		0.0326		15	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		14.7882		0.0676		18	8	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		9.70243		0.1031		17	8	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		9.28268		0.1077		17	8	.99	20	
Aroclor-1260 Peak # 4	A	LINR	-15.439	17.5746		0.0643	0.998		7	.99	20	
Aroclor-1260 Peak # 5	A	LINR	-18.106	8.33830		0.1368	0.999		8	.99	20	
Decachlorobiphenyl (PCB)	A	LINR	-4.3231	0.82496		1.4080	0.999		6	.99	20	
TCMX (PCB)	A	AVRG		1.03996		0.9616		13	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		48.1076		0.0208		13	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		33.3260		0.0300		14	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		18.3412		0.0545		16	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		25.6912		0.0389		12	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		31.6065		0.0316		13	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		16.8009		0.0595		14	8	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		13.9830		0.0715		15	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		11.0470		0.0905		16	8	.99	20	
Aroclor-1260 Peak # 4	B	LINR	-23.653	20.1271		0.0597	0.996		7	.99	20	
Aroclor-1260 Peak # 5	B	LINR	-18.665	13.2930		0.0873	0.999		8	.99	20	
Decachlorobiphenyl (PCB)	B	LINR	-2.1138	0.98301		1.2084	0.999		8	.99	20	
TCMX (PCB)	B	AVRG		1.04112		0.9605		10	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor
LINR: Linear regression

ENTHALPY INITIAL CALIBRATION FOR 474711 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0275	0.0229	0.0229	0.0213	0.0183	0.0203	0.0197	0.0189	0.0170
Aroclor-1016 Peak # 2	A	0.0705	0.0493	0.0498	0.0471	0.0402	0.0443	0.0419		
Aroclor-1016 Peak # 3	A	0.0694	0.0572	0.0577	0.0553	0.0469	0.0521	0.0499	0.0477	0.0422
Aroclor-1016 Peak # 4	A	0.0506	0.0443	0.0443	0.0420	0.0361	0.0399	0.0381	0.0367	0.0320
Aroclor-1016 Peak # 5	A	0.0417	0.0355	0.0355	0.0335	0.0292	0.0321	0.0306	0.0296	0.0253
Aroclor-1260 Peak # 1	A	0.0937	0.0726	0.0712	0.0675	0.0578	0.0620	0.0600	0.0564	
Aroclor-1260 Peak # 2	A	0.1377	0.1100	0.1119	0.1048	0.0901	0.0941	0.0896	0.0864	
Aroclor-1260 Peak # 3	A	0.1494	0.1089	0.1140	0.1083	0.0928	0.0997	0.0955	0.0931	
Aroclor-1260 Peak # 4	A	0.0776	0.0657	0.0680	0.0657	0.0561	0.0598	0.0571		
Aroclor-1260 Peak # 5	A	0.1719	0.1443	0.1523	0.1392	0.1178	0.1263	0.1212	0.1213	
Decachlorobiphenyl (PCB)	A			1.7517	1.5276	1.3136	1.3325	1.2692	1.2537	
TCMX (PCB)	A	1.2724	0.9655	0.9830	0.9621	0.8303	0.9420	0.9219	0.9218	0.8552
Aroclor-1016 Peak # 1	B	0.0258	0.0224	0.0221	0.0217	0.0189	0.0208	0.0199	0.0188	0.0168
Aroclor-1016 Peak # 2	B	0.0369	0.0328	0.0337	0.0319	0.0262	0.0293	0.0282	0.0270	0.0241
Aroclor-1016 Peak # 3	B	0.0731	0.0591	0.0595	0.0548	0.0476	0.0526	0.0506	0.0504	0.0429
Aroclor-1016 Peak # 4	B	0.0470	0.0426	0.0424	0.0410	0.0348	0.0383	0.0370	0.0362	0.0311
Aroclor-1016 Peak # 5	B	0.0389	0.0336	0.0345	0.0334	0.0285	0.0314	0.0302	0.0296	0.0248
Aroclor-1260 Peak # 1	B	0.0741	0.0638	0.0673	0.0608	0.0510	0.0551	0.0527	0.0514	
Aroclor-1260 Peak # 2	B	0.0910	0.0798	0.0790	0.0726	0.0608	0.0651	0.0625	0.0613	
Aroclor-1260 Peak # 3	B	0.1187	0.0977	0.0986	0.0907	0.0769	0.0826	0.0797	0.0793	
Aroclor-1260 Peak # 4	B	0.0785	0.0629	0.0647	0.0583	0.0503	0.0539	0.0496		
Aroclor-1260 Peak # 5	B	0.1184	0.0925	0.0953	0.0868	0.0743	0.0790	0.0760	0.0762	
Decachlorobiphenyl (PCB)	B	1.6271	1.2663	1.3495	1.2170	1.0610	1.0826	1.0310	1.0324	
TCMX (PCB)	B	1.1603	0.9978	0.9817	0.9671	0.8301	0.9599	0.9328	0.9461	0.8687

ENTHALPY INITIAL CALIBRATION FOR 474711 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	**31**	50.000	9	100.00	9	250.00	1	500.00	-13	749.91	-3	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 2	A	20.000	-8	50.000	-12	100.00	4	250.00	7	500.00	-7	749.91	4	1000.0	-1		
Aroclor-1016 Peak # 3	A	20.000	**31**	50.000	8	100.00	9	250.00	4	500.00	-12	749.91	-2	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 4	A	20.000	**25**	50.000	10	100.00	10	250.00	4	500.00	-11	749.91	-1	1000.0	-6	1500.0	-9
Aroclor-1016 Peak # 5	A	20.000	**28**	50.000	9	100.00	9	250.00	3	500.00	-10	749.91	-1	1000.0	-6	1500.0	-9
Aroclor-1260 Peak # 1	A	20.000	**38**	50.000	7	100.00	5	250.00	0	500.00	-15	749.91	-8	1000.0	-11	1500.0	-17
Aroclor-1260 Peak # 2	A	20.000	**34**	50.000	7	100.00	9	250.00	2	500.00	-13	749.91	-9	1000.0	-13	1500.0	-16
Aroclor-1260 Peak # 3	A	20.000	**39**	50.000	1	100.00	6	250.00	1	500.00	-14	749.91	-7	1000.0	-11	1500.0	-14
Aroclor-1260 Peak # 4	A	20.000	**-41**	50.000	-15	100.00	4	250.00	9	500.00	-4	749.91	3	1000.0	-1		
Aroclor-1260 Peak # 5	A	20.000	**-47**	50.000	-16	100.00	9	250.00	9	500.00	-5	749.91	3	1000.0	-1	1500.0	0
Decachlorobiphenyl (PCB)	A					8.0000	-10	20.000	4	40.000	-2	59.993	3	80.000	-1	120.00	0
TCMX (PCB)	A	1.6000	**32**	4.0000	0	8.0000	2	20.000	0	40.000	-14	59.993	-2	80.000	-4	120.00	-4
Aroclor-1016 Peak # 1	B	20.000	**24**	50.000	8	100.00	6	250.00	4	500.00	-9	749.91	0	1000.0	-4	1500.0	-10
Aroclor-1016 Peak # 2	B	20.000	**23**	50.000	9	100.00	12	250.00	6	500.00	-13	749.91	-2	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 3	B	20.000	**34**	50.000	8	100.00	9	250.00	1	500.00	-13	749.91	-4	1000.0	-7	1500.0	-8
Aroclor-1016 Peak # 4	B	20.000	**21**	50.000	9	100.00	9	250.00	5	500.00	-11	749.91	-2	1000.0	-5	1500.0	-7
Aroclor-1016 Peak # 5	B	20.000	**23**	50.000	6	100.00	9	250.00	5	500.00	-10	749.91	-1	1000.0	-5	1500.0	-6
Aroclor-1260 Peak # 1	B	20.000	**24**	50.000	7	100.00	13	250.00	2	500.00	-14	749.91	-7	1000.0	-11	1500.0	-14
Aroclor-1260 Peak # 2	B	20.000	**27**	50.000	12	100.00	11	250.00	2	500.00	-15	749.91	-9	1000.0	-13	1500.0	-14
Aroclor-1260 Peak # 3	B	20.000	**31**	50.000	8	100.00	9	250.00	0	500.00	-15	749.91	-9	1000.0	-12	1500.0	-12
Aroclor-1260 Peak # 4	B	20.000	**-60**	50.000	**-21**	100.00	7	250.00	8	500.00	-4	749.91	5	1000.0	-3		
Aroclor-1260 Peak # 5	B	20.000	**-36**	50.000	-14	100.00	8	250.00	8	500.00	-5	749.91	3	1000.0	-1	1500.0	0
Decachlorobiphenyl (PCB)	B	1.6000	**-72**	4.0000	**-28**	8.0000	6	20.000	9	40.000	-1	59.993	3	80.000	-1	120.00	0
TCMX (PCB)	B	1.6000	**21**	4.0000	4	8.0000	2	20.000	1	40.000	-14	59.993	0	80.000	-3	120.00	-1

ENTHALPY INITIAL CALIBRATION FOR 474711 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-19
Aroclor-1016 Peak # 2	A		
Aroclor-1016 Peak # 3	A	2000.0	**-21**
Aroclor-1016 Peak # 4	A	2000.0	**-21**
Aroclor-1016 Peak # 5	A	2000.0	**-22**
Aroclor-1260 Peak # 1	A		
Aroclor-1260 Peak # 2	A		
Aroclor-1260 Peak # 3	A		
Aroclor-1260 Peak # 4	A		
Aroclor-1260 Peak # 5	A		
Decachlorobiphenyl (PCB)	A		
TCMX (PCB)	A	160.00	-11
Aroclor-1016 Peak # 1	B	2000.0	-19
Aroclor-1016 Peak # 2	B	2000.0	-20
Aroclor-1016 Peak # 3	B	2000.0	**-21**
Aroclor-1016 Peak # 4	B	2000.0	-20
Aroclor-1016 Peak # 5	B	2000.0	**-22**
Aroclor-1260 Peak # 1	B		
Aroclor-1260 Peak # 2	B		
Aroclor-1260 Peak # 3	B		
Aroclor-1260 Peak # 4	B		
Aroclor-1260 Peak # 5	B		
Decachlorobiphenyl (PCB)	B		
TCMX (PCB)	B	160.00	-10

TRN 10/26/22 : Manually integrated for coeluting peak/draw baseline on both channel for multiple channels

Analyst: TRN 10/26/22

Reviewer: LW 10/27/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 474711 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_102422_1
Calnum:	452428510002	Cal Date:	24-OCT-2022

- ICV 452428510024 (gc06_102422024 24-OCT-2022) stds: S17274

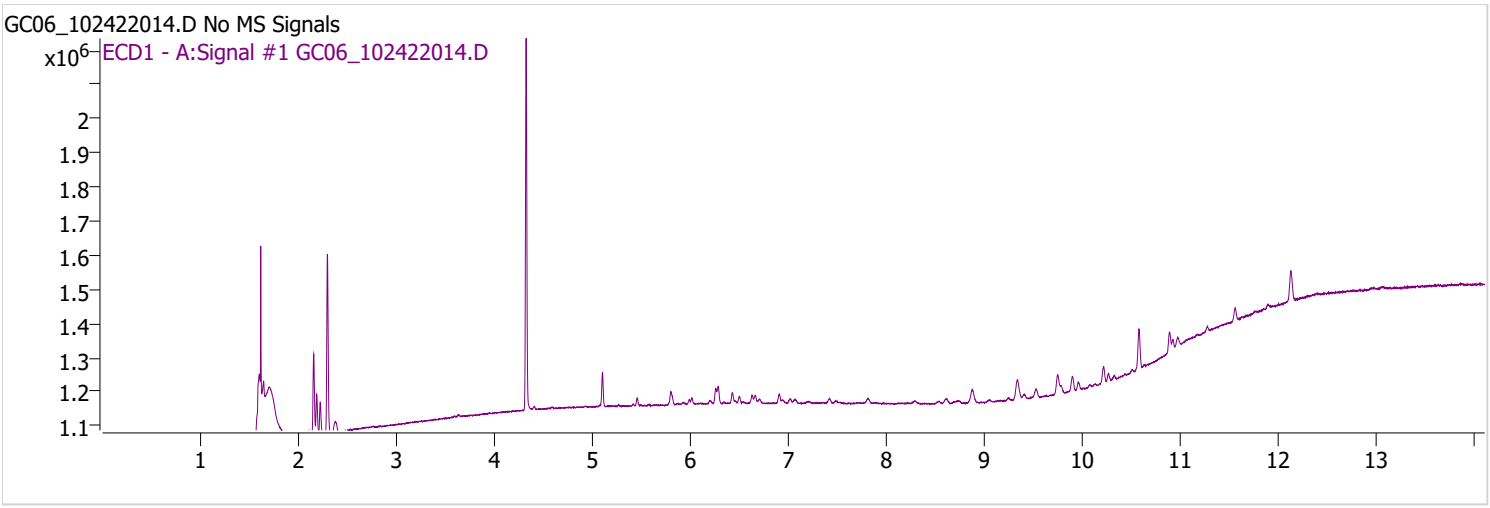
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	486.9	ug/L	-3	15	
Aroclor-1260	A	500.0	451.5	ug/L	-10	15	
Aroclor-1016	B	500.0	481.3	ug/L	-4	15	
Aroclor-1260	B	500.0	455.3	ug/L	-9	15	

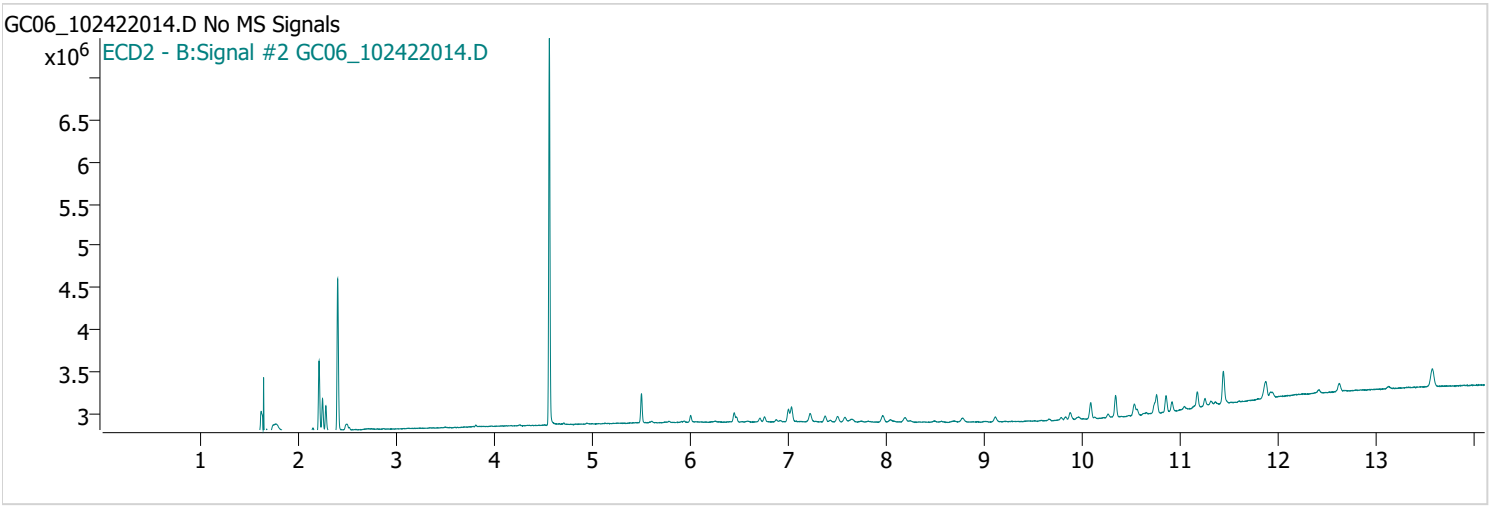
-

Analyst: TRN 10/26/22 **Reviewer:** LW 10/27/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_102422014.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 5:26:16 PM
Sample Name	ICAL, S17263	Instrument	SVOA-GC06
Vial	11	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



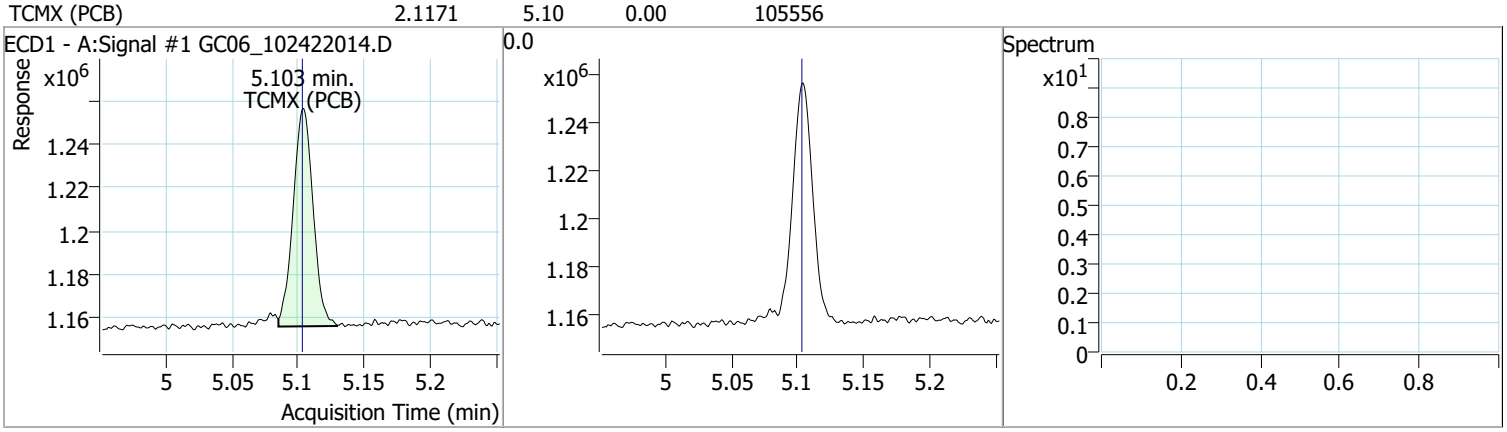


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.324	0.0	1037016.219	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	4201953.160	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	105555.954	2.1171	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.59%		*	
S TCMX (PCB) #2	5.502	0.0	390058.222	1.9329	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.66%		*	
S Decachlorobiphenyl (PCB)	12.133	0.0	184176.168	0.0000	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 0.00%		*	
S Decachlorobiphenyl (PCB) #2	13.576	0.0	546954.440	0.4459	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 2.23%		*	
Target Compounds							**QValue**
T AR1016 1	5.458	0.0	28480.322	26.1951	ng/ml		100
T AR1016 2	5.802	0.0	73071.976	18.4116	ng/ml		100
T AR1016 1 #2	6.004	0.0	108525.199	24.8502	ng/ml		100

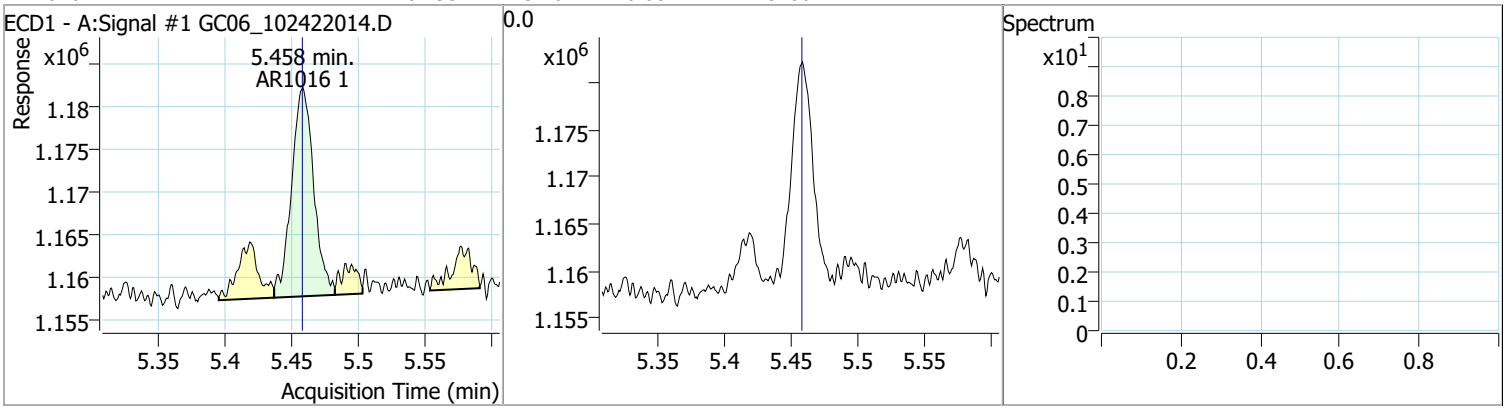
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.285	0.0	71957.123	26.1037	ng/ml		100
T AR1016 4	6.430	0.0	52488.922	25.0358	ng/ml	m	100
T AR1016 2 #2	6.449	0.0	154975.476	24.5828	ng/ml		100
T AR1016 5	6.908	0.0	43274.534	25.6262	ng/ml		100
T AR1016 3 #2	7.033	0.0	307317.024	26.8286	ng/ml		100
T AR1016 4 #2	7.223	0.0	197434.079	24.1430	ng/ml		100
T AR1016 5 #2	7.966	0.0	163277.665	24.5634	ng/ml		100
T AR1260 1	8.881	0.0	97121.012	27.7000	ng/ml		100
T AR1260 2	9.339	0.0	142815.316	26.7243	ng/ml		100
T AR1260 3	9.751	0.0	154959.969	27.7424	ng/ml	m	100
T AR1260 1 #2	10.089	0.0	311262.229	24.8911	ng/ml		100
T AR1260 4	10.220	0.0	80435.978	11.8240	ng/ml		100
T AR1260 2 #2	10.342	0.0	382187.365	25.4368	ng/ml		100
T AR1260 5	10.581	0.0	178298.760	10.5736	ng/ml		100
T AR1260 3 #2	10.761	0.0	498567.492	26.2151	ng/ml		100
T AR1260 4 #2	11.176	0.0	329727.817	7.9351	ng/ml		100
T AR1260 5 #2	11.876	0.0	497381.031	12.8115	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

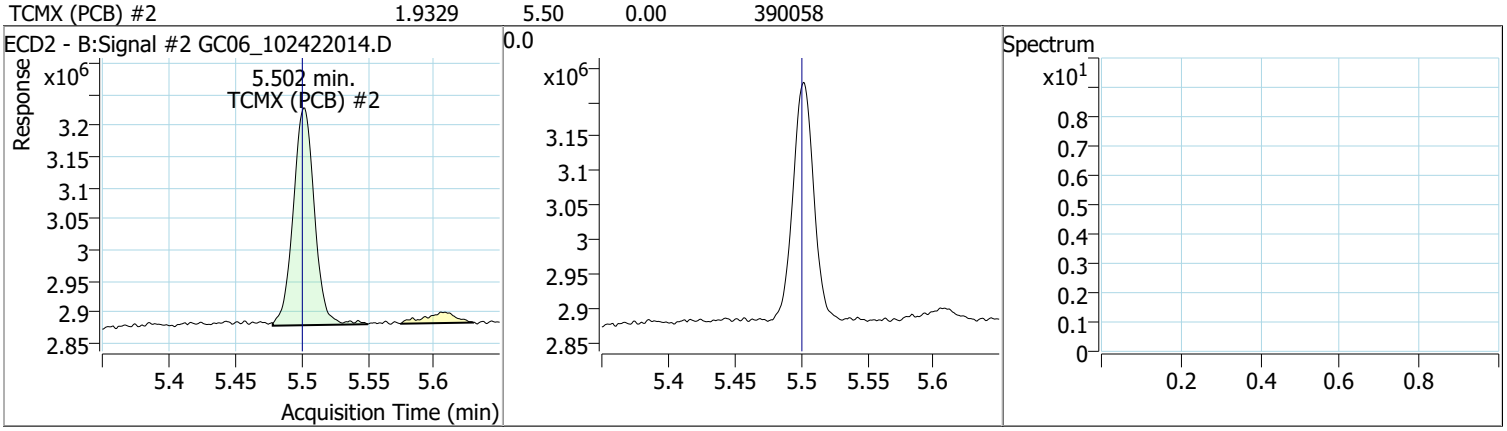
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	2.1171	5.10	0.00	105556				



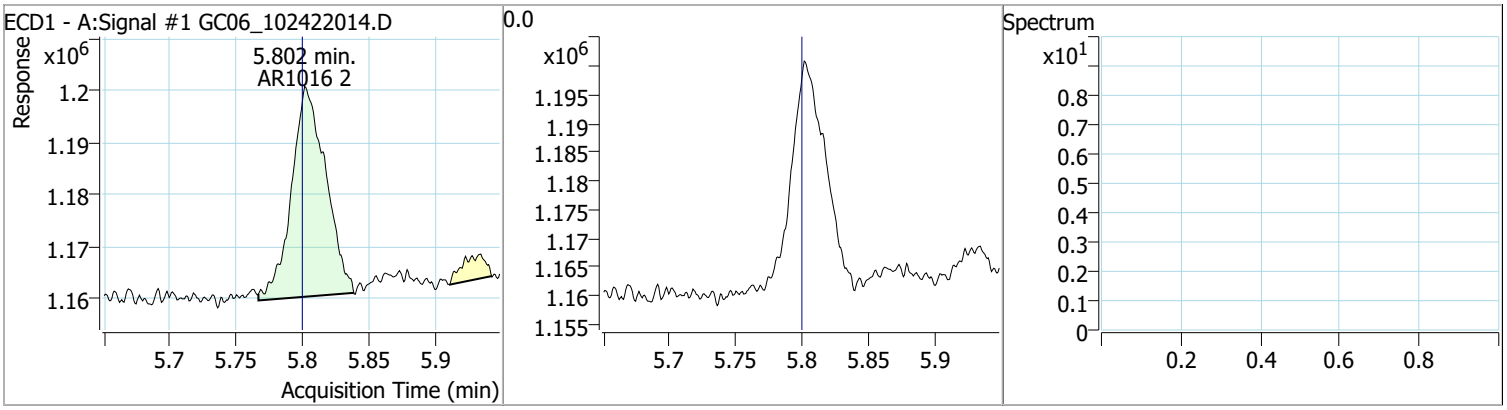
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	26.1951	5.46	0.00	28480				



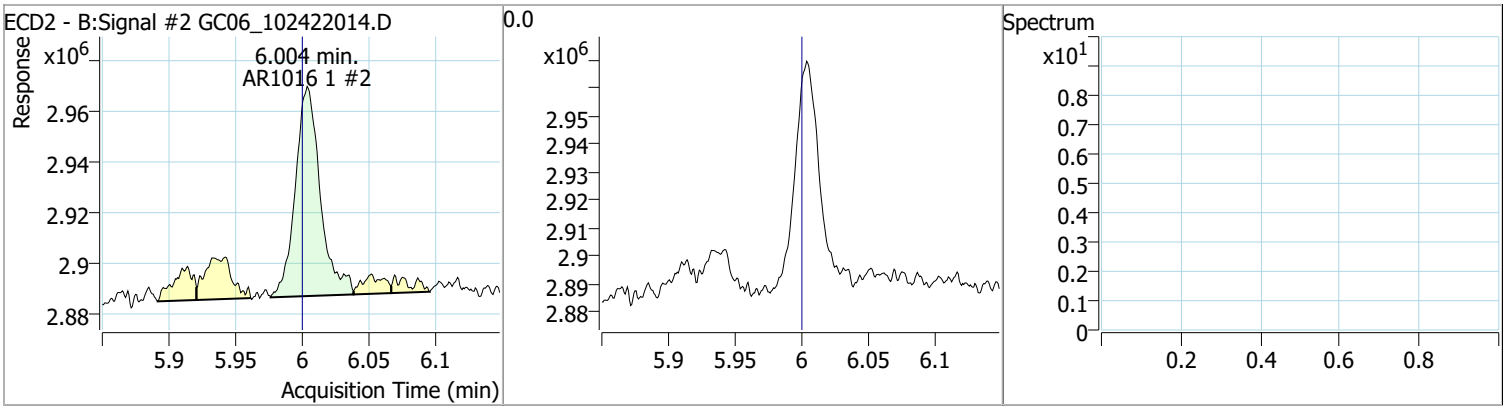
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.9329	5.50	0.00	390058				



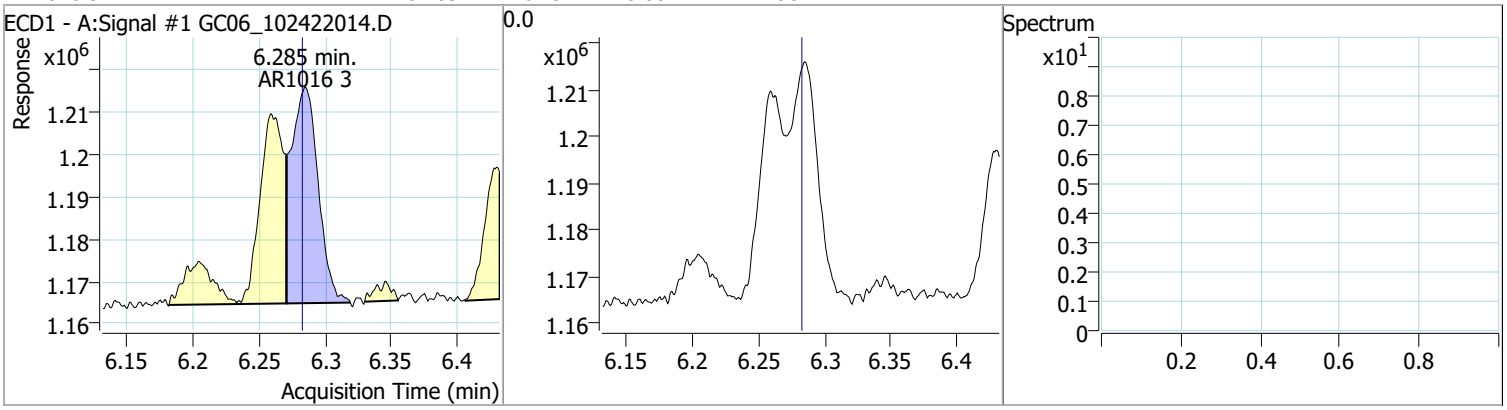
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	18.4116	5.80	0.00	73072				



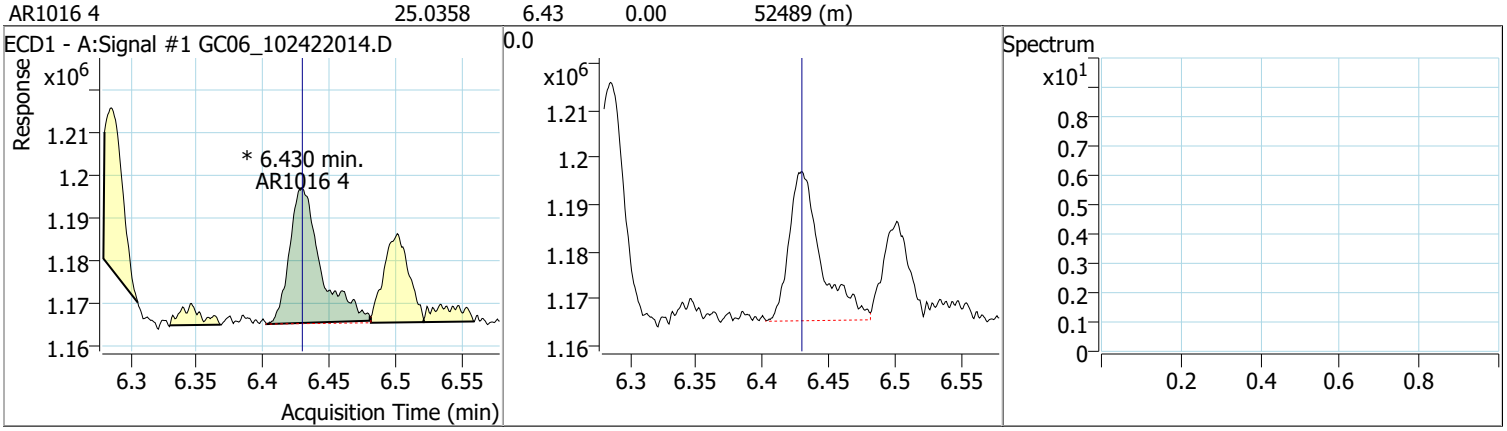
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	24.8502	6.00	0.00	108525				



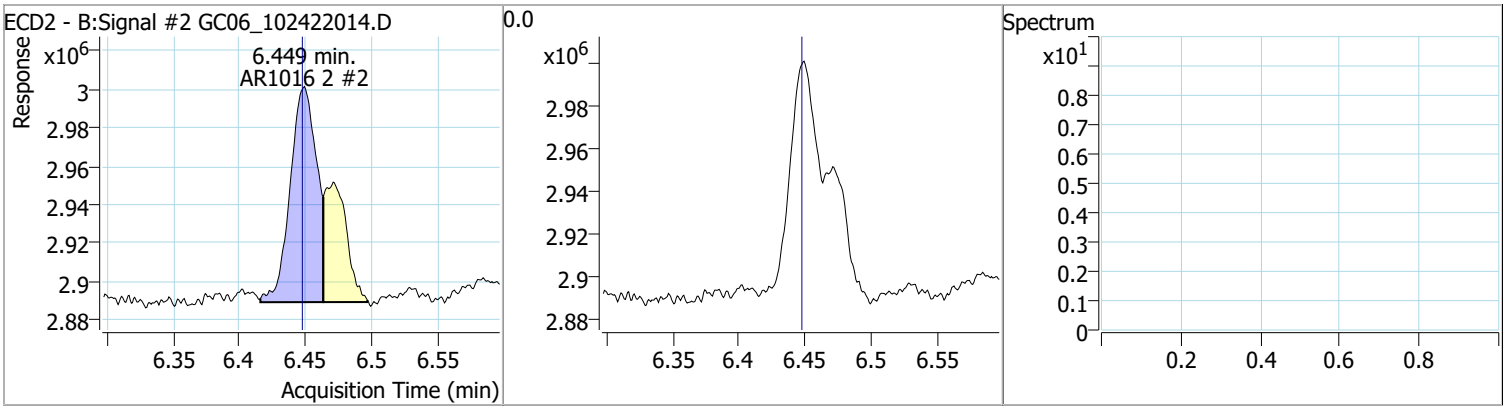
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	26.1037	6.29	0.00	71957				



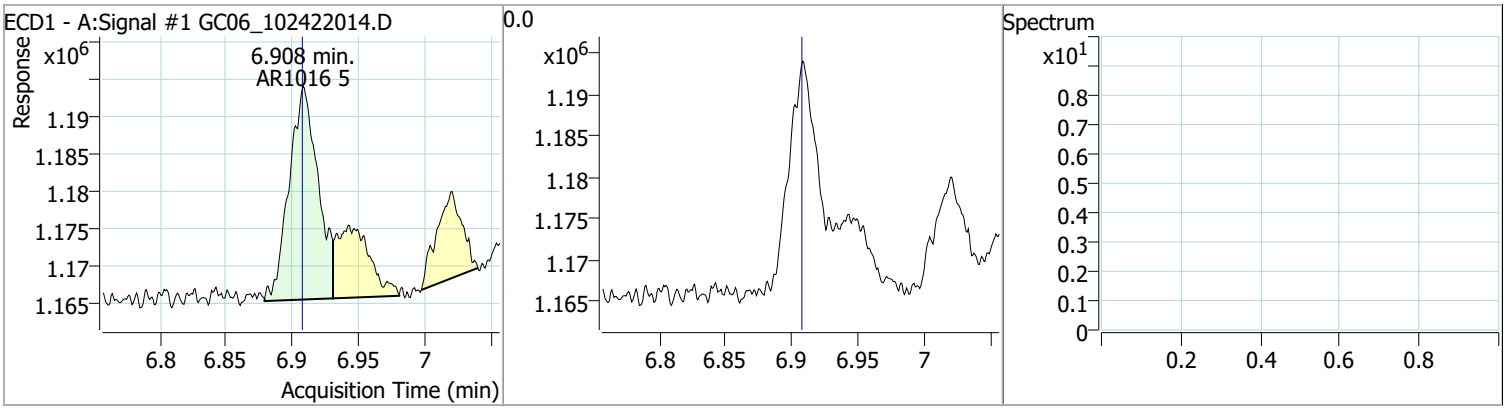
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	25.0358	6.43	0.00	52489 (m)				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	24.5828	6.45	0.00	154975				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	25.6262	6.91	0.00	43275				



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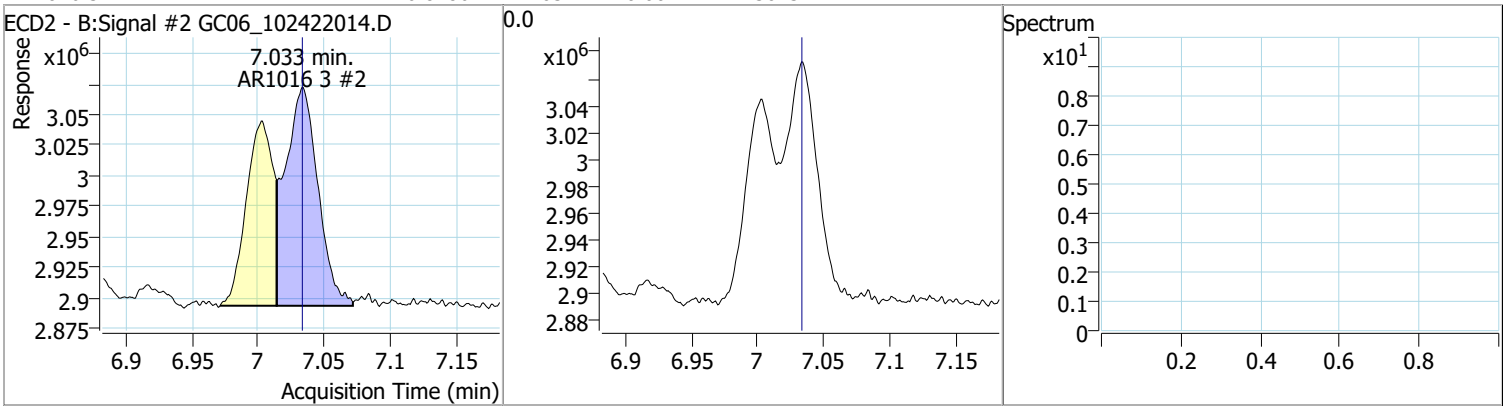
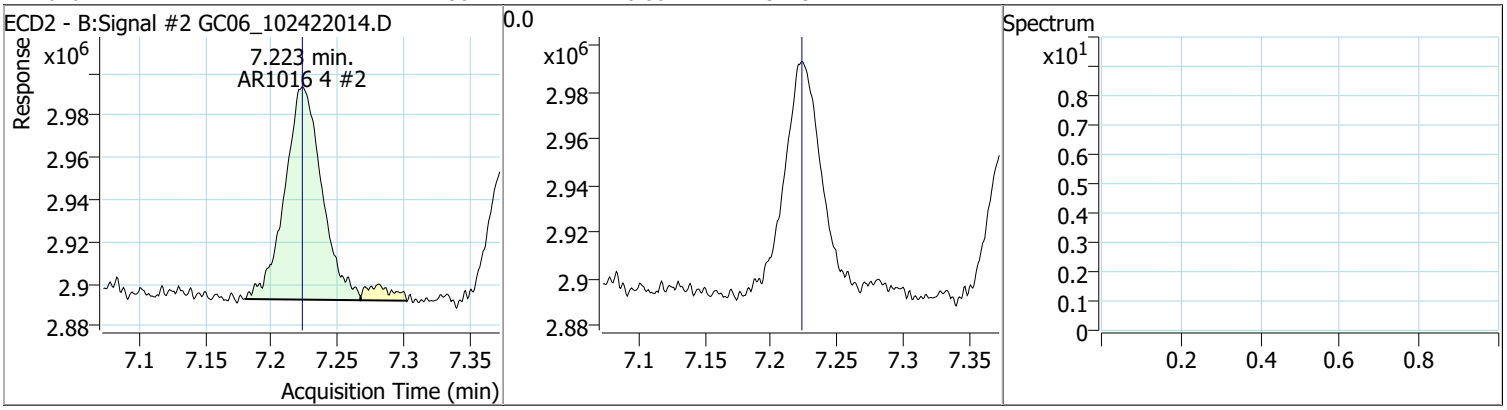
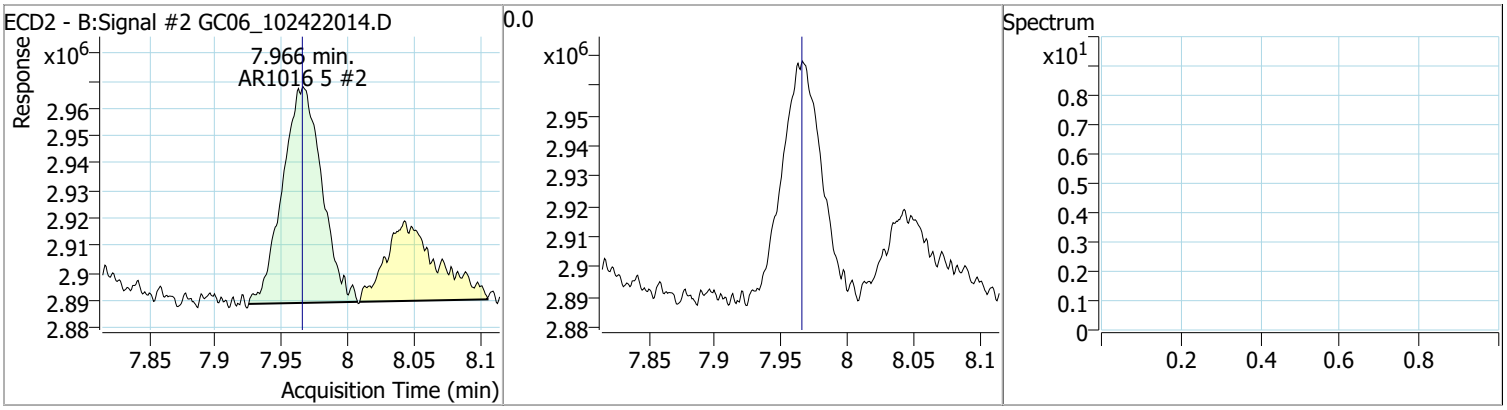
AR1016 3 #2	26.8286	7.03	0.00	307317				



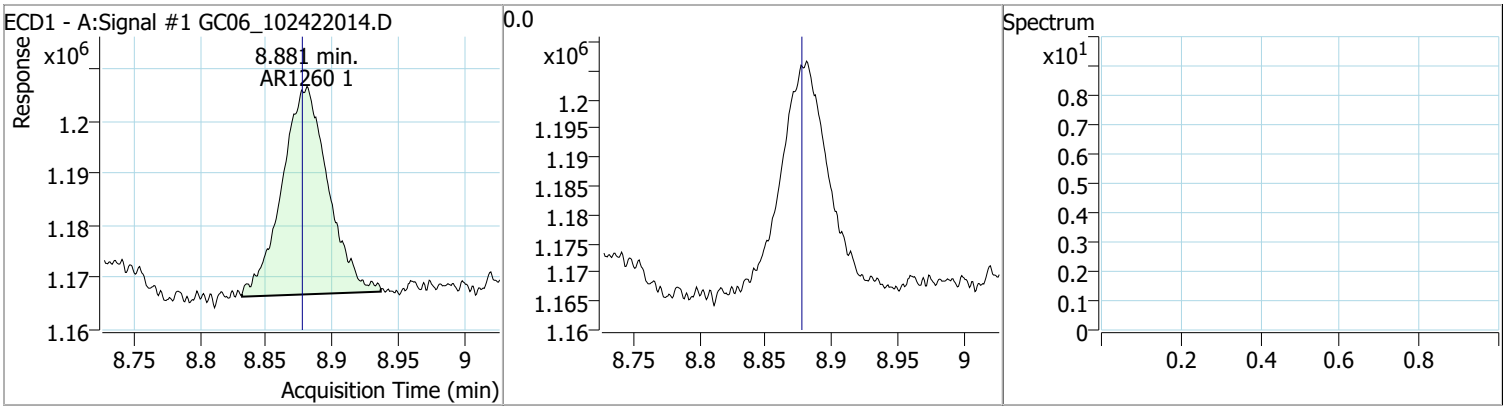
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	24.1430	7.22	0.00	197434				



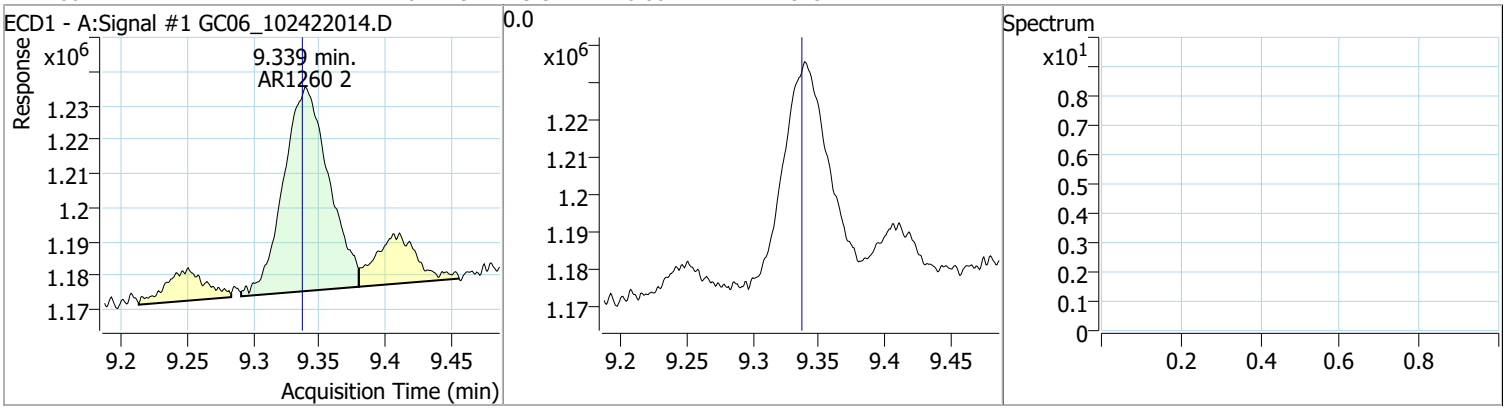
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	24.5634	7.97	0.00	163278				



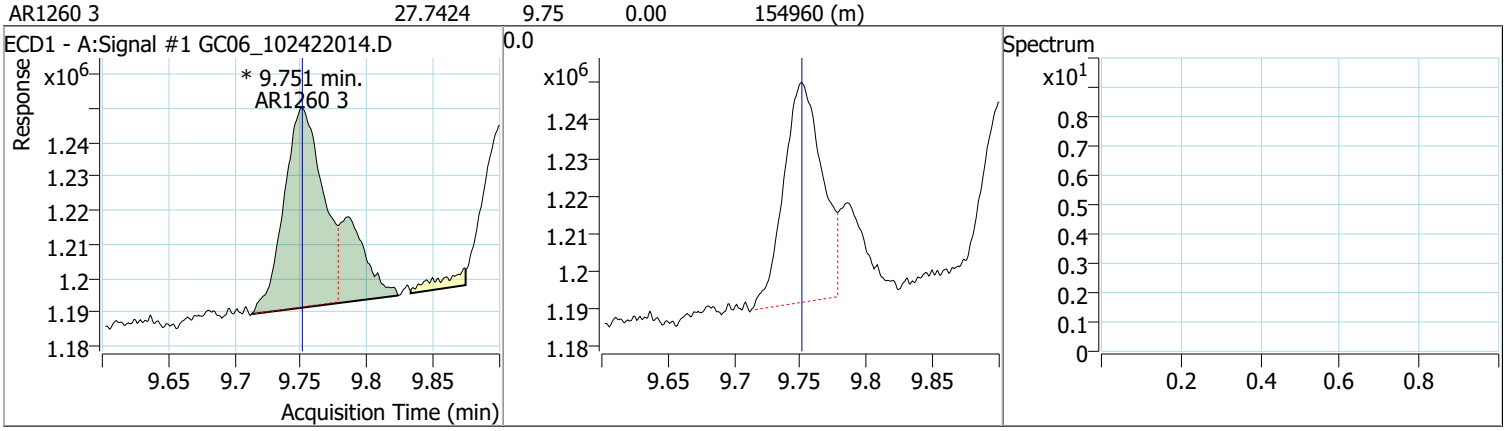
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	27.7000	8.88	0.00	97121				



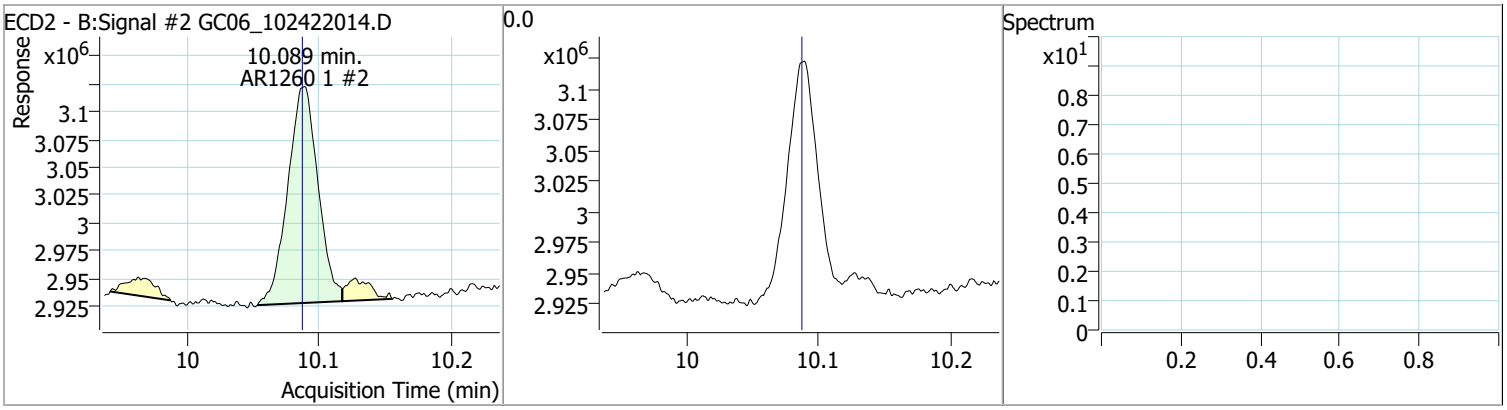
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	26.7243	9.34	0.00	142815				



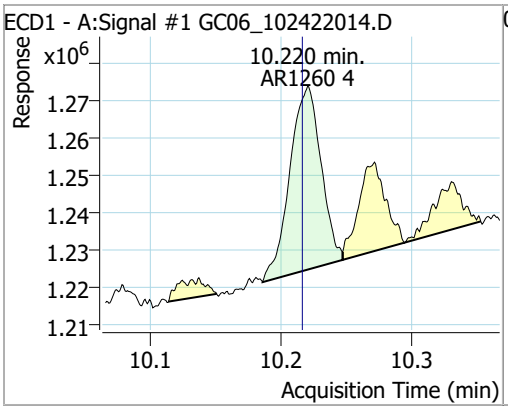
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	27.7424	9.75	0.00	154960 (m)				

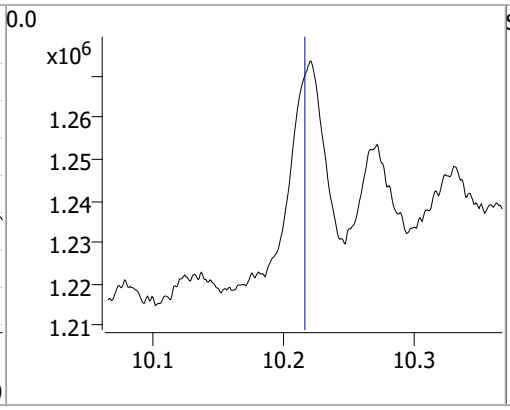


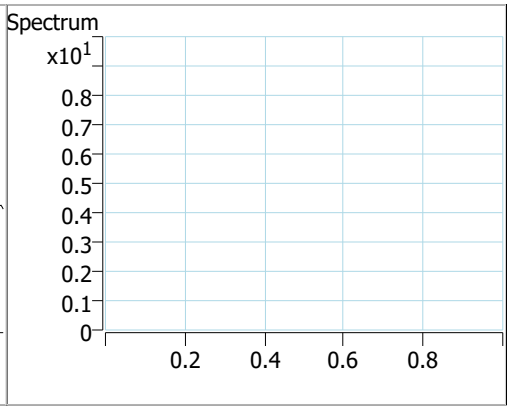
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	24.8911	10.09	0.00	311262				



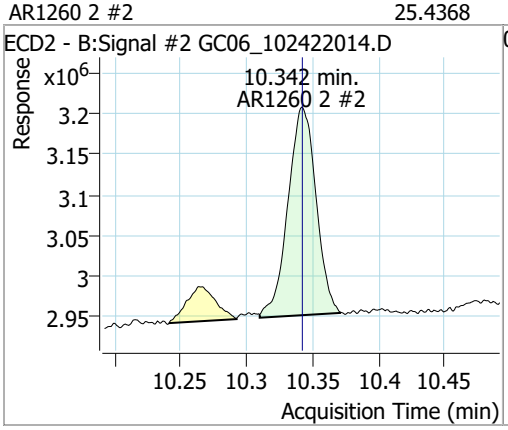
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	11.8240	10.22	0.00	80436				

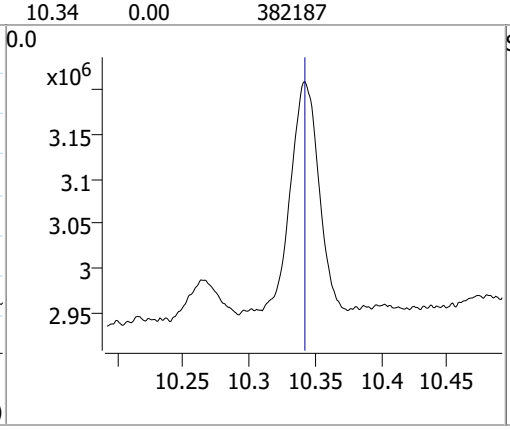


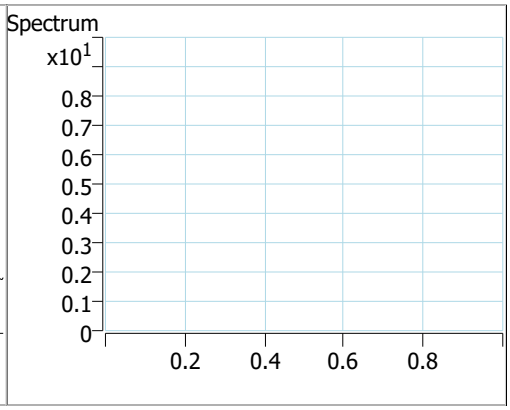




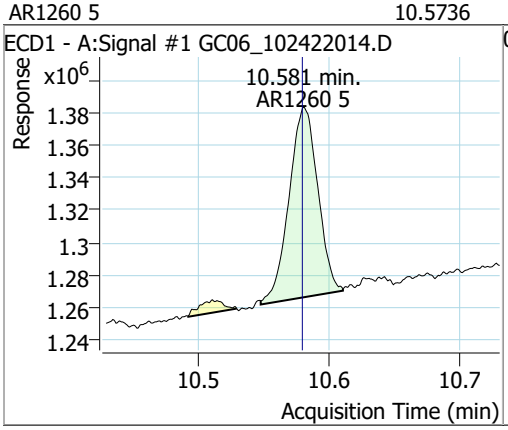
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	25.4368	10.34	0.00	382187				

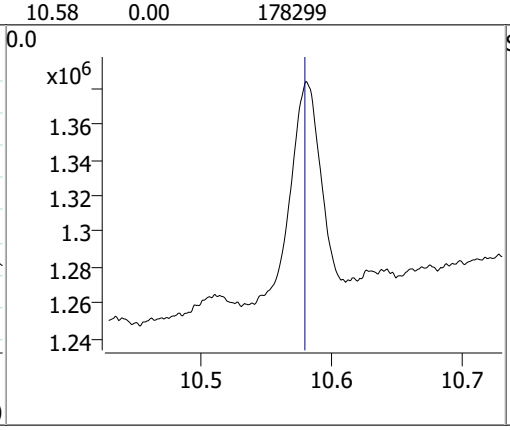


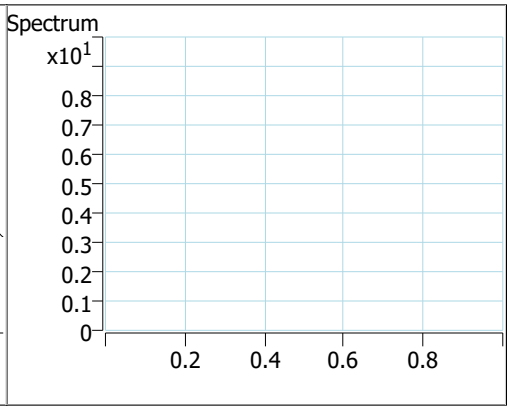




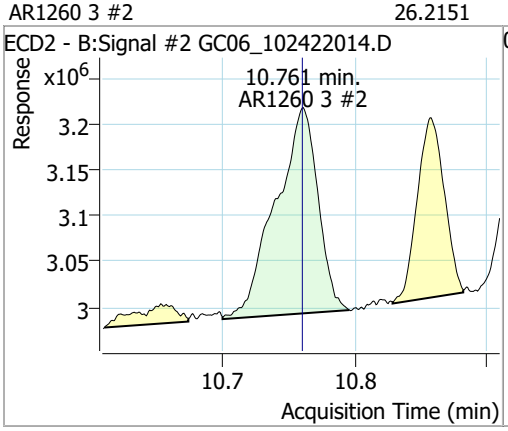
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	10.5736	10.58	0.00	178299				

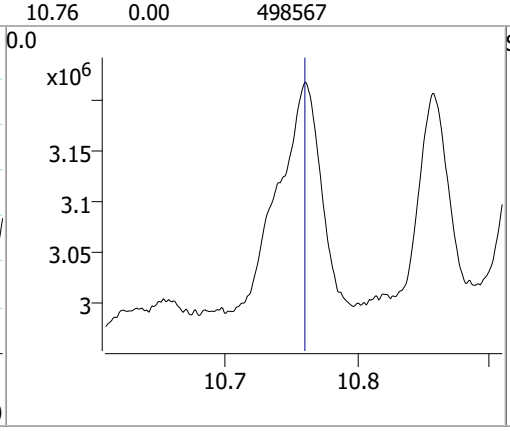


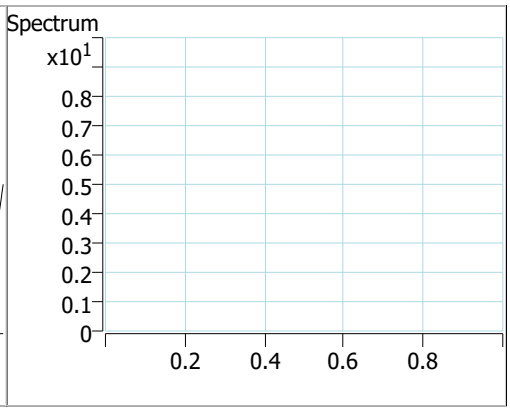




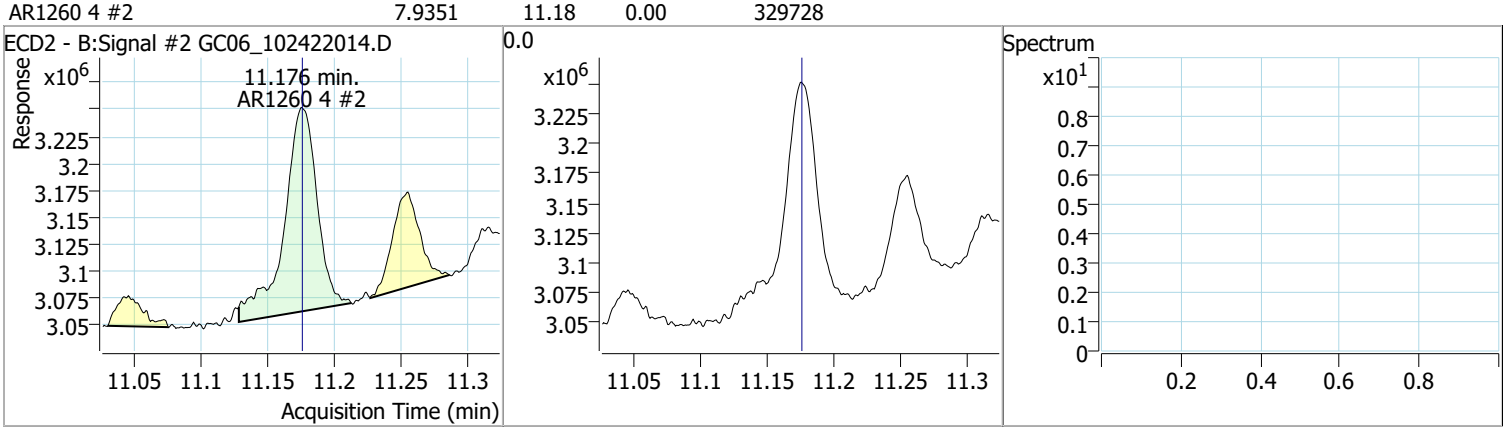
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	26.2151	10.76	0.00	498567				



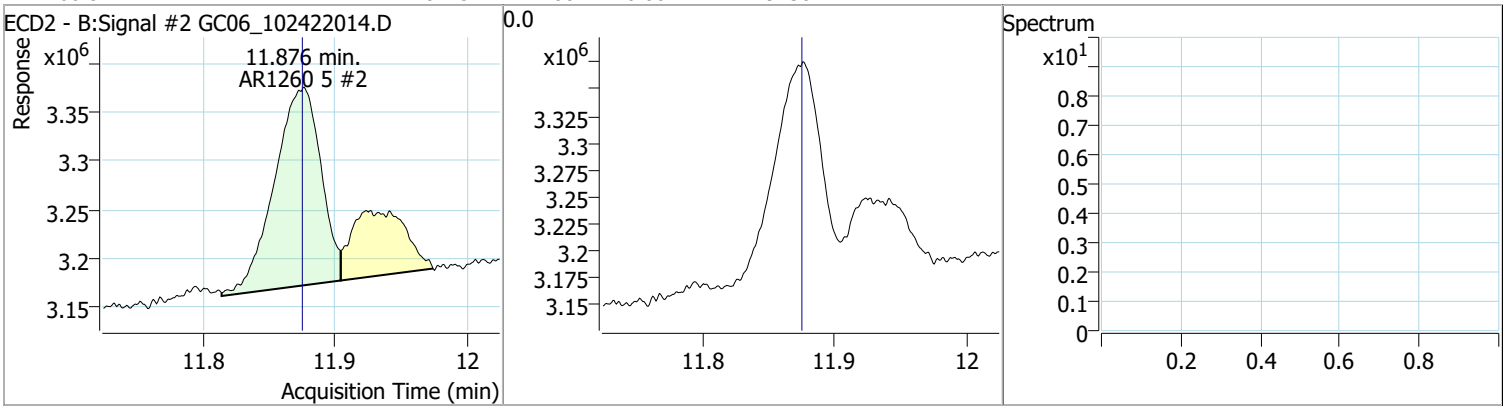




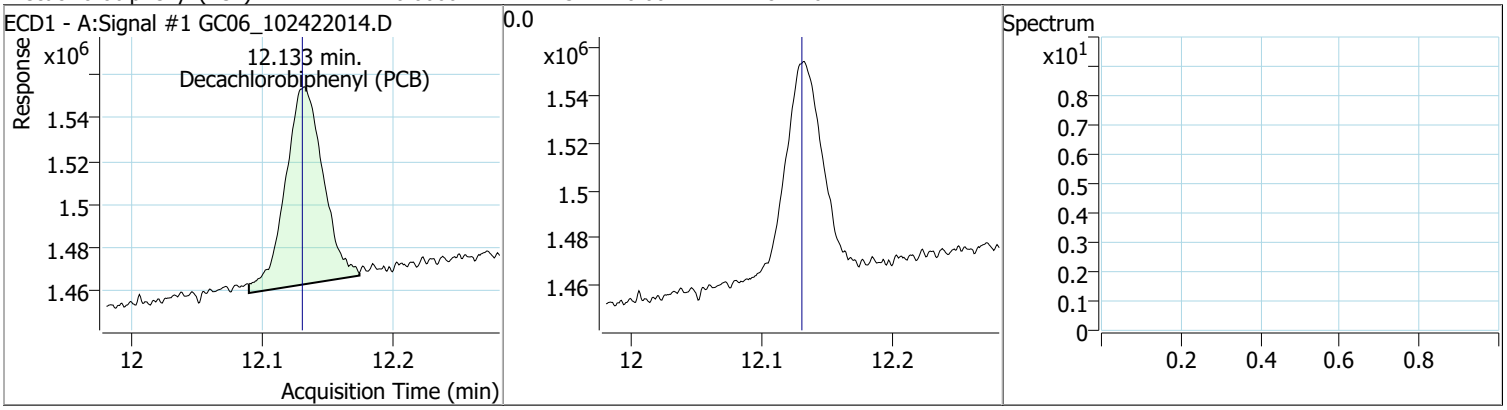
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	7.9351	11.18	0.00	329728				



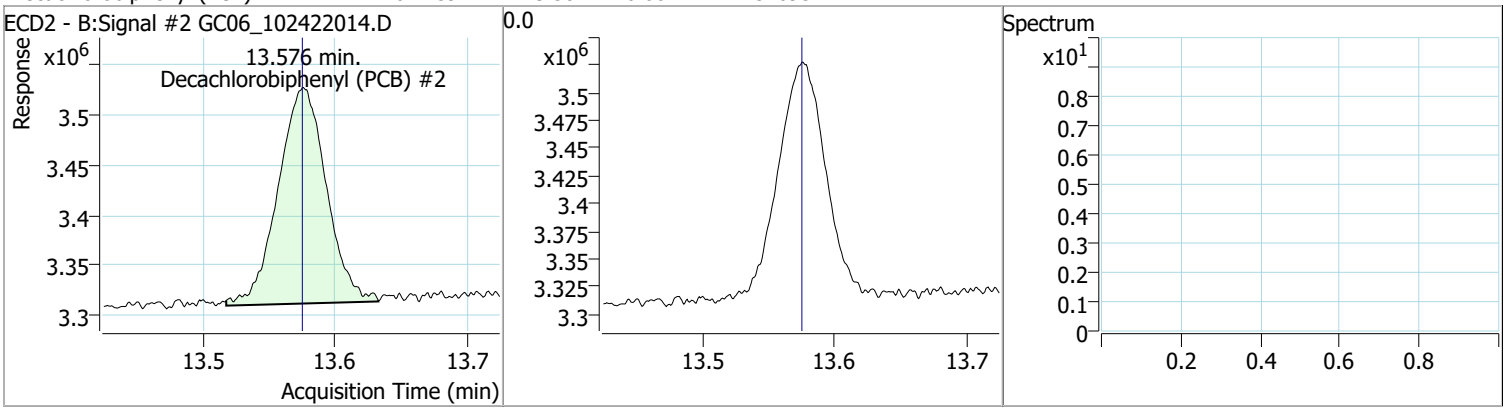
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	12.8115	11.88	0.00	497381				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	0.0000	12.13	0.00	184176				

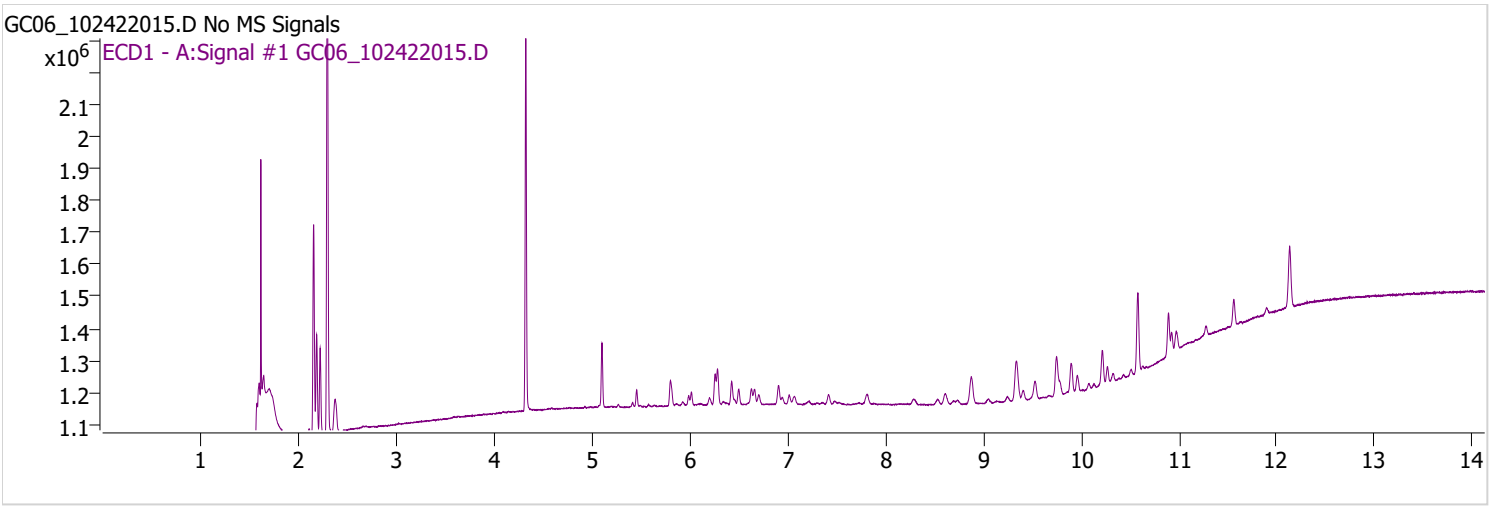


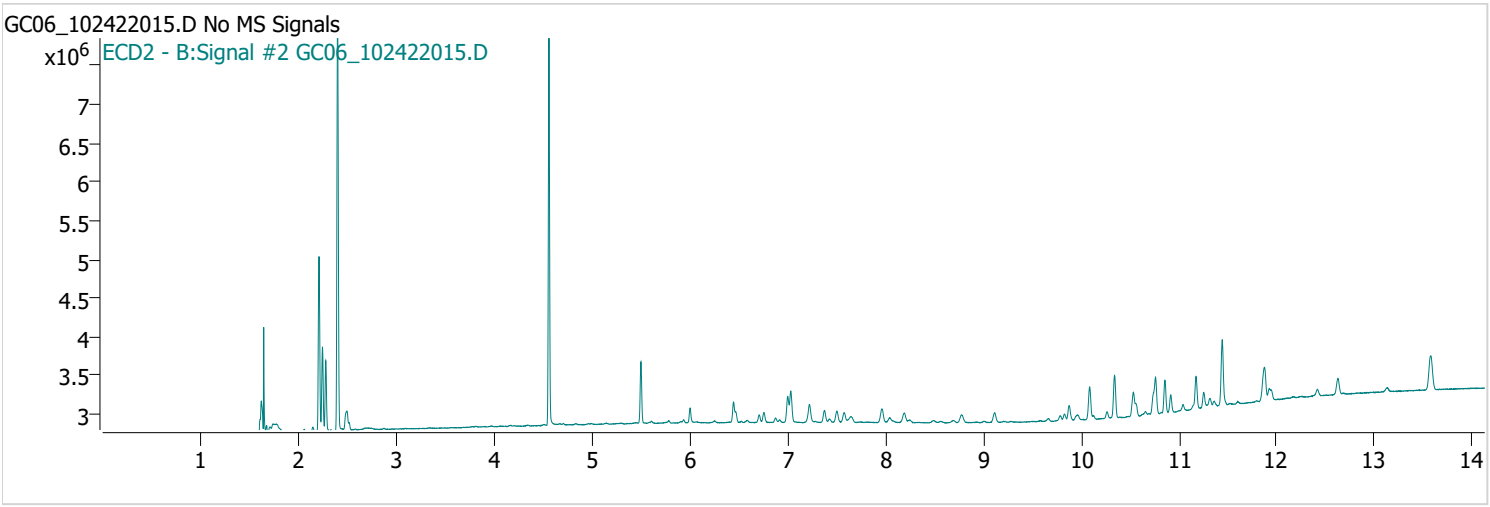
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	0.4459	13.58	0.00	546954				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422015.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 5:44:04 PM
Sample Name	ICAL, S17264	Instrument	SVOA-GC06
Vial	12	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



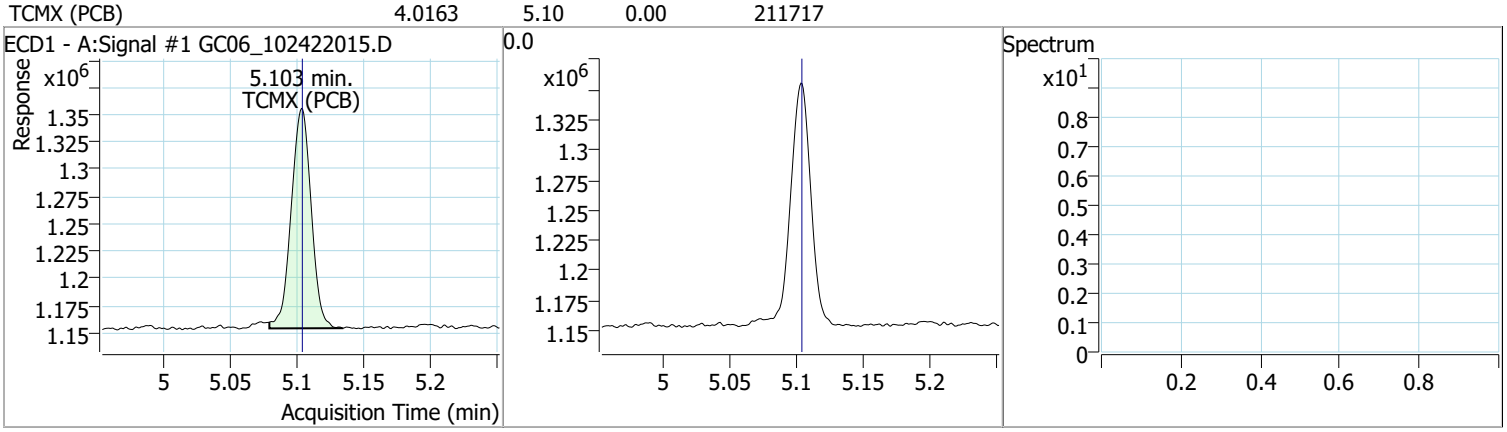


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1096423.491	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	4414084.352	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	211717.395	4.0163	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.08%		*	
S TCMX (PCB) #2	5.502	0.0	880844.251	4.1552	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.78%		*	
S Decachlorobiphenyl (PCB)	12.132	0.0	366663.673	1.1956	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.98%		*	
S Decachlorobiphenyl (PCB) #2	13.575	0.0	1117873.667	2.8657	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 14.33%		*	
Target Compounds							QValue
T AR1016 1	5.458	0.0	62800.739	54.6321	ng/ml		100
T AR1016 2	5.803	0.0	135262.778	43.7895	ng/ml		100

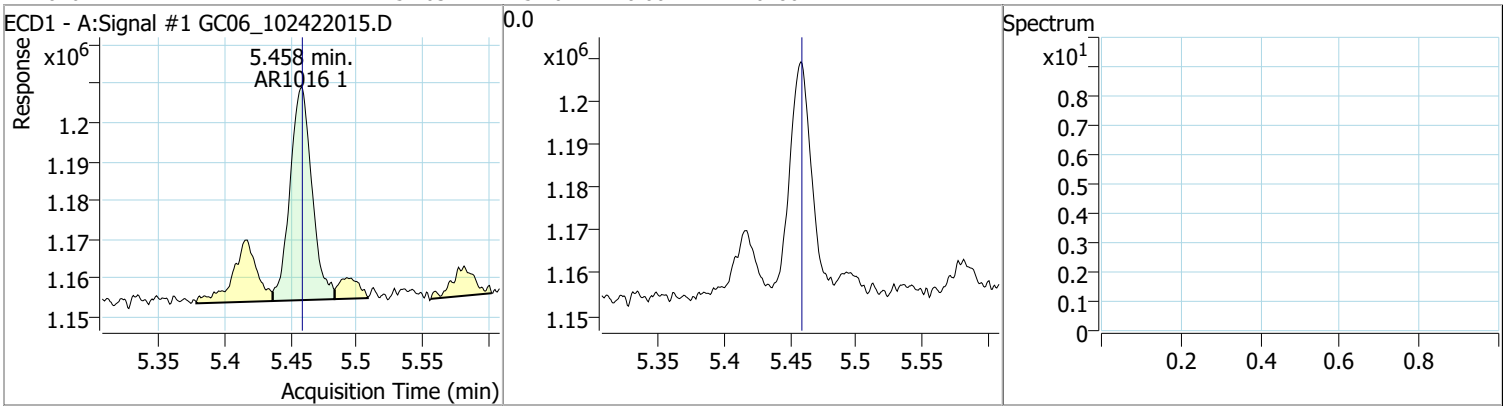
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1 #2	6.004	0.0	246736.718	53.7828	ng/ml		100
T AR1016 3	6.284	0.0	156745.895	53.7814	ng/ml		100
T AR1016 4	6.429	0.0	121378.176	54.7573	ng/ml	m	100
T AR1016 2 #2	6.448	0.0	361879.943	54.6441	ng/ml	m	100
T AR1016 5	6.907	0.0	97415.221	54.5615	ng/ml		100
T AR1016 3 #2	7.033	0.0	652565.398	54.2308	ng/ml		100
T AR1016 4 #2	7.223	0.0	469712.957	54.6779	ng/ml		100
T AR1016 5 #2	7.964	0.0	370461.655	53.0536	ng/ml		100
T AR1260 1	8.878	0.0	198864.945	53.6454	ng/ml		100
T AR1260 2	9.339	0.0	301488.499	53.3592	ng/ml		100
T AR1260 3	9.749	0.0	298525.793	50.5491	ng/ml		100
T AR1260 1 #2	10.088	0.0	703926.868	53.5865	ng/ml		100
T AR1260 4	10.215	0.0	180050.819	42.2826	ng/ml		100
T AR1260 2 #2	10.342	0.0	881097.856	55.8239	ng/ml		100
T AR1260 5	10.580	0.0	395492.284	42.0555	ng/ml		100
T AR1260 3 #2	10.760	0.0	1078261.882	53.9712	ng/ml		100
T AR1260 4 #2	11.174	0.0	694396.452	39.6741	ng/ml		100
T AR1260 5 #2	11.873	0.0	1020309.367	42.7953	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

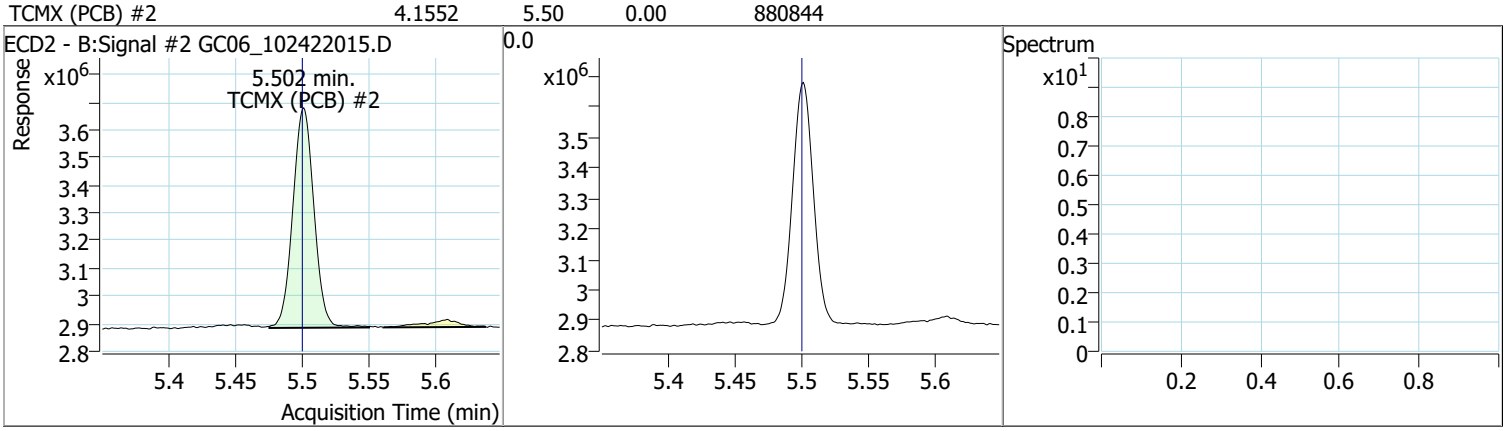
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	4.0163	5.10	0.00	211717				



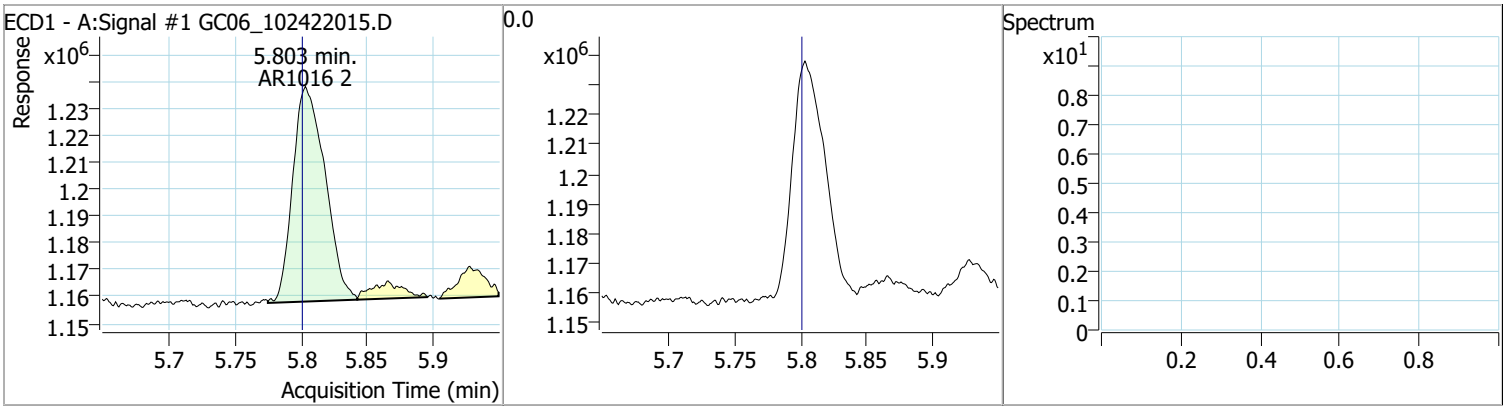
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	54.6321	5.46	0.00	62801				



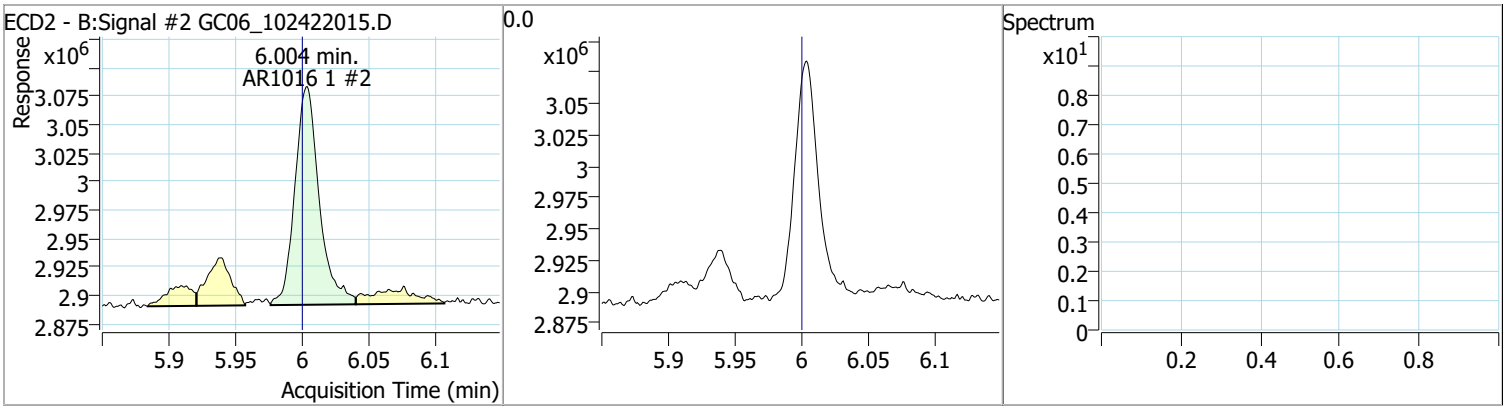
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.1552	5.50	0.00	880844				



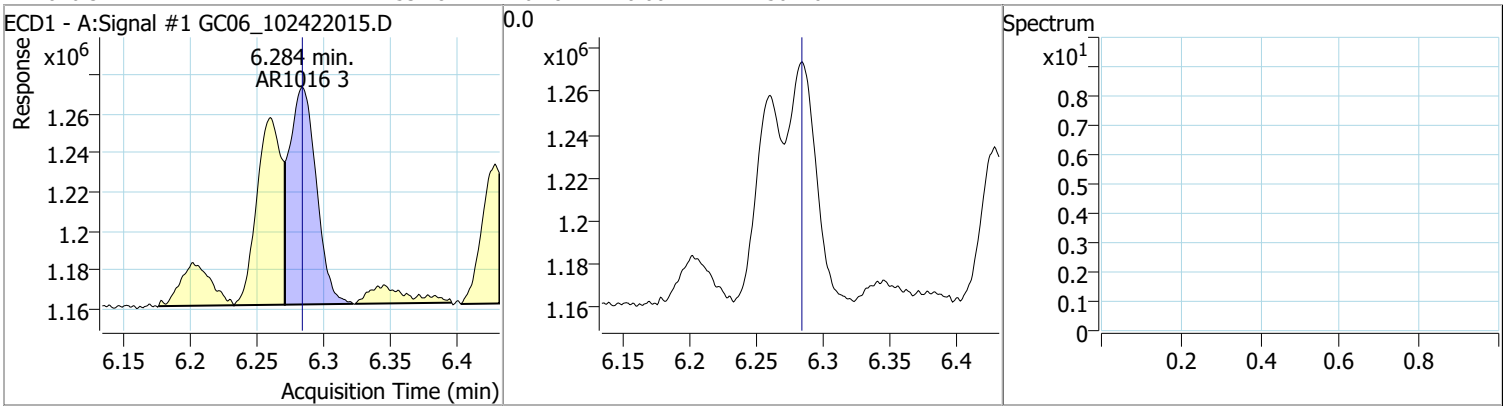
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	43.7895	5.80	0.00	135263				



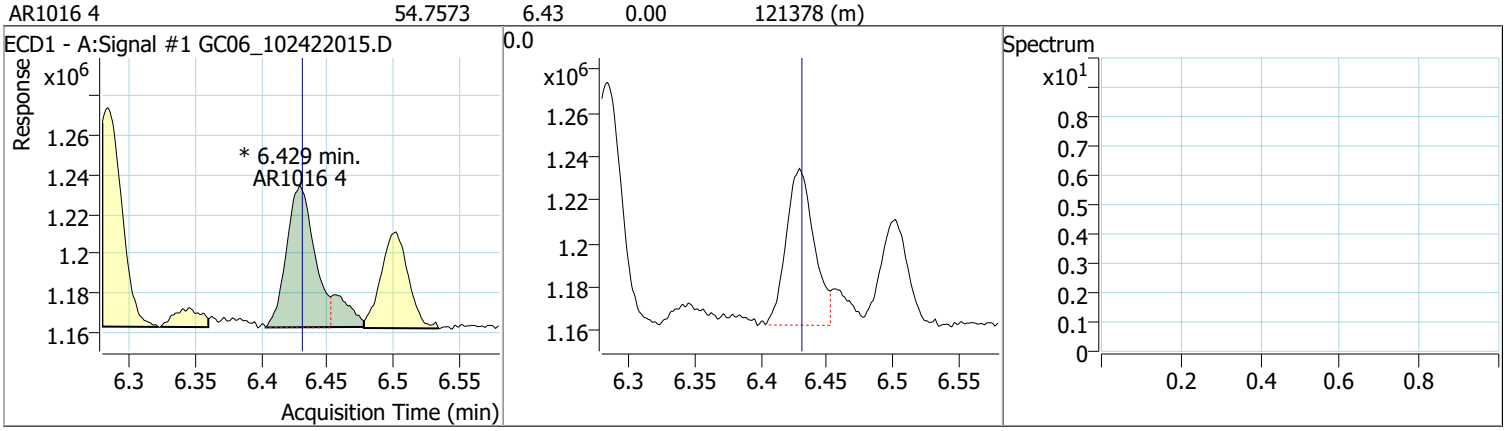
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	53.7828	6.00	0.00	246737				



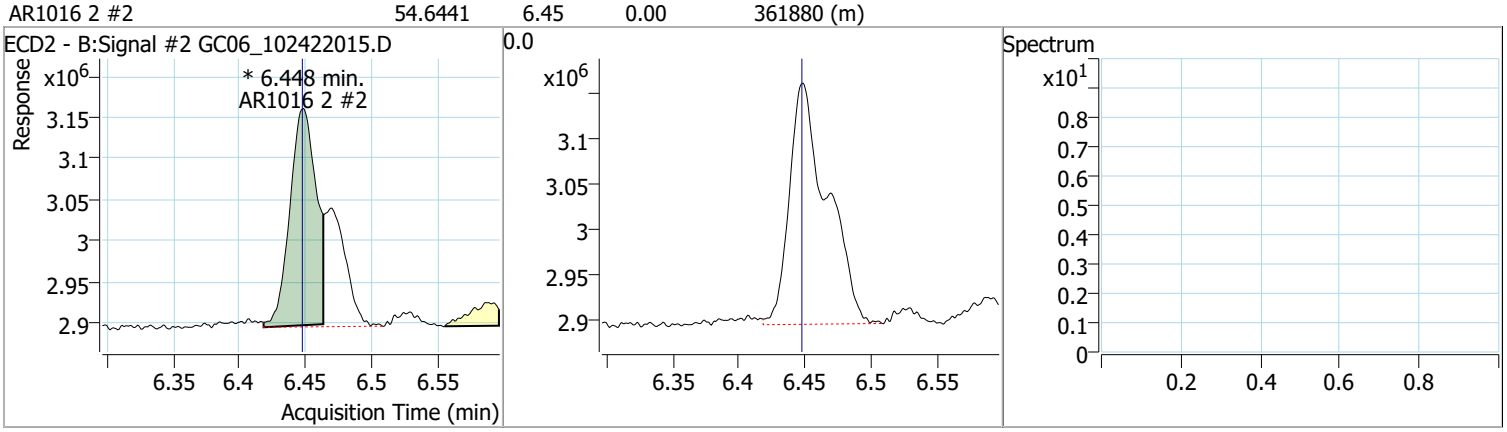
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	53.7814	6.28	0.00	156746				



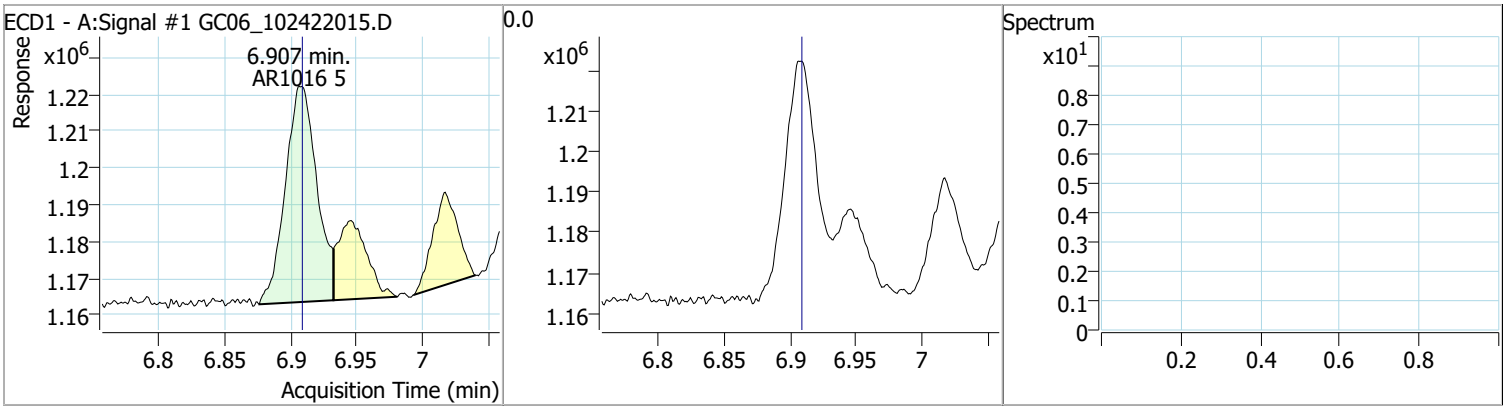
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	54.7573	6.43	0.00	121378 (m)				



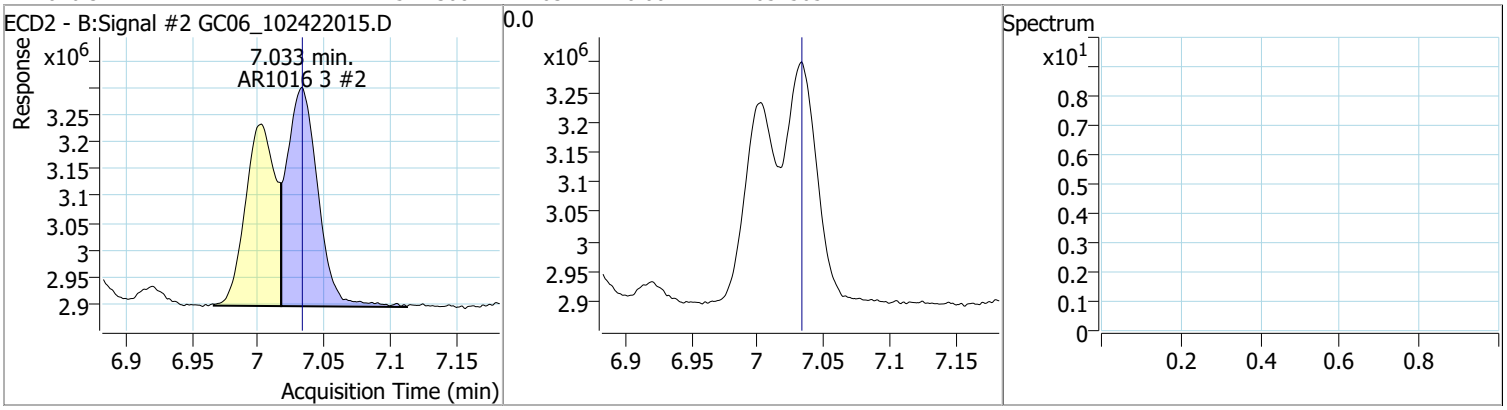
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	54.6441	6.45	0.00	361880 (m)				



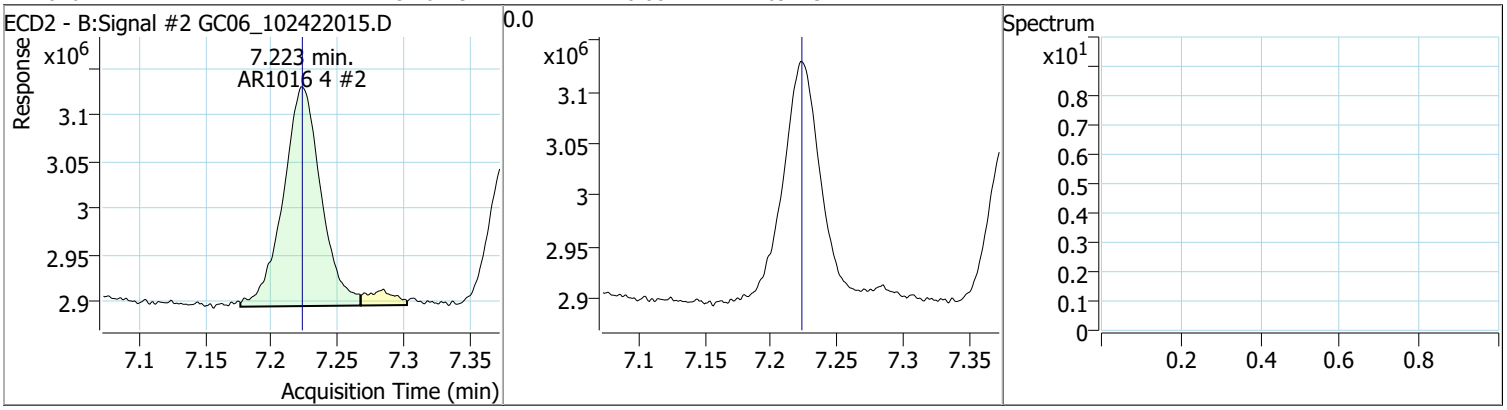
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	54.5615	6.91	0.00	97415				



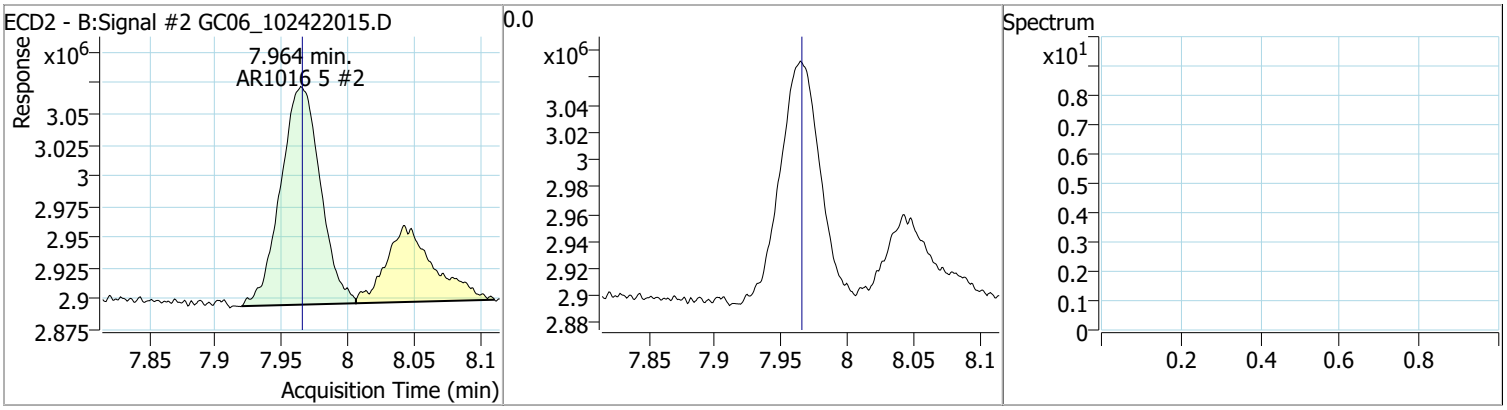
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	54.2308	7.03	0.00	652565				



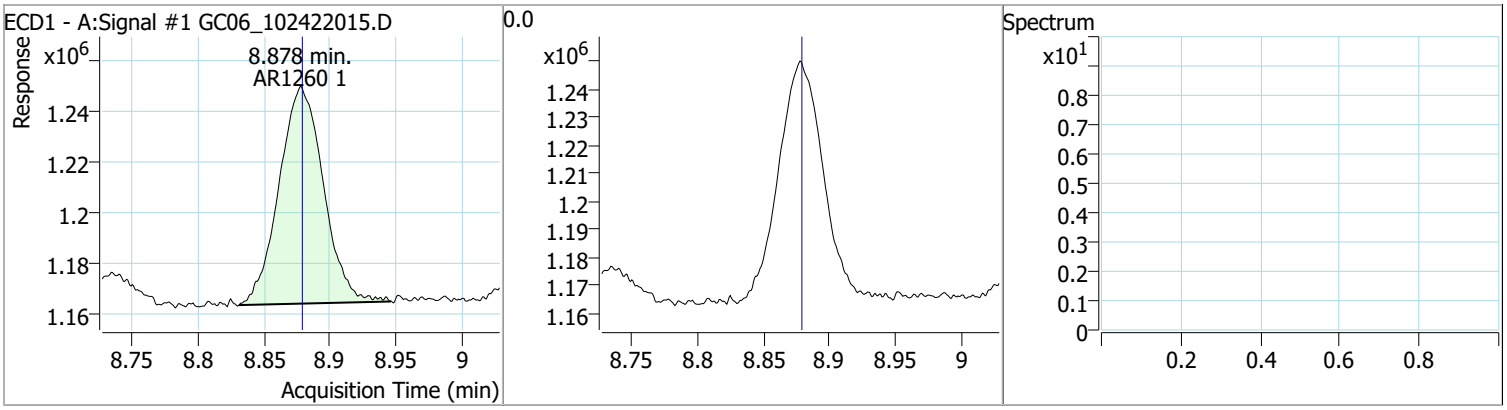
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	54.6779	7.22	0.00	469713				



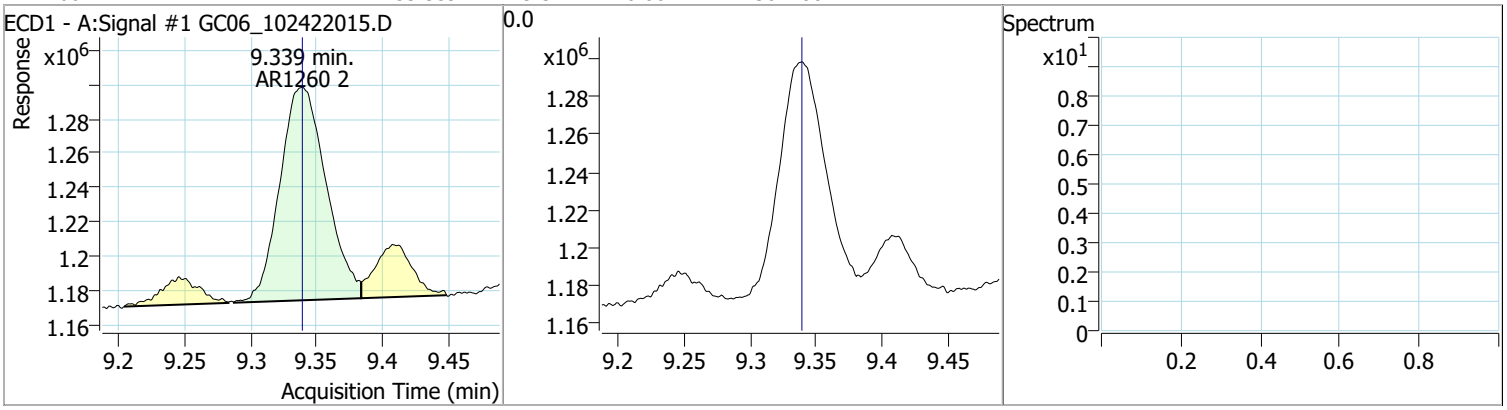
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	53.0536	7.96	0.00	370462				



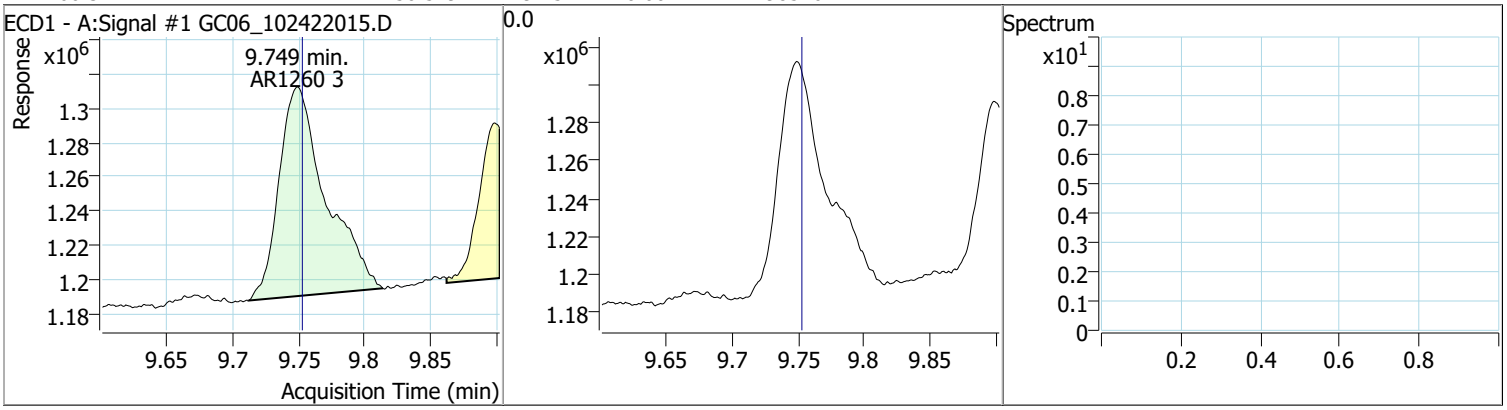
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	53.6454	8.88	0.00	198865				



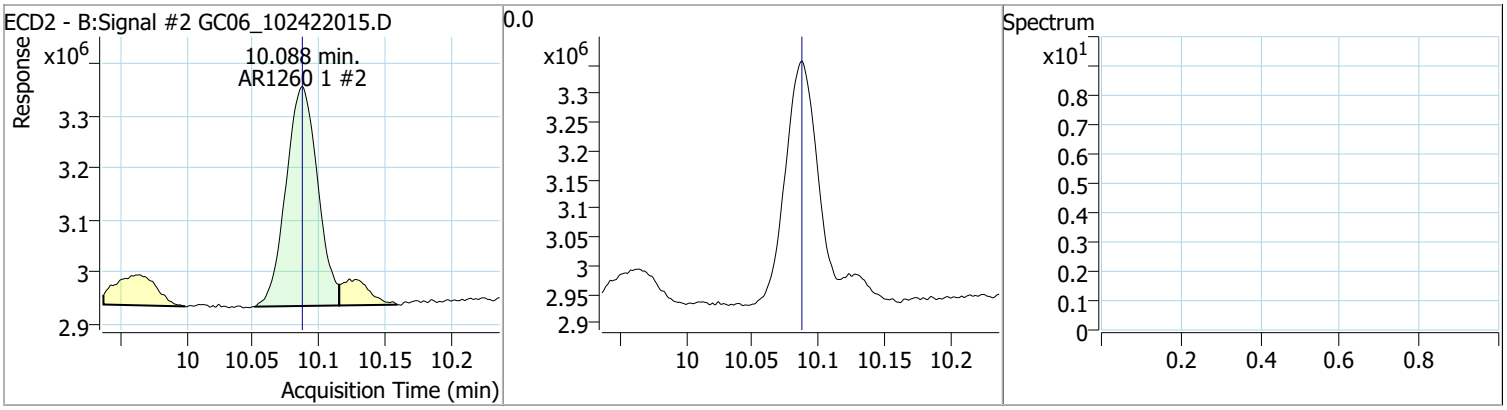
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	53.3592	9.34	0.00	301488				



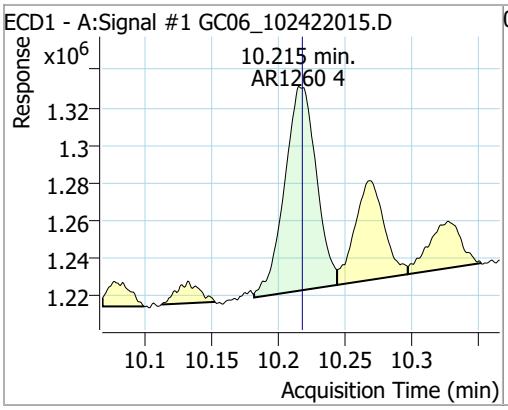
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	50.5491	9.75	0.00	298526				

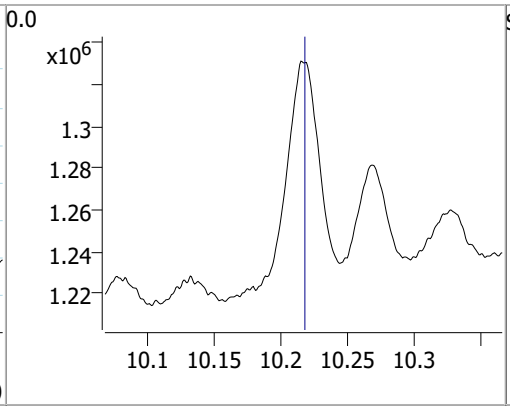


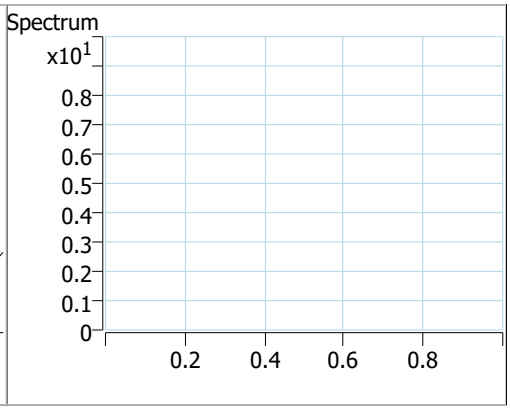
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	53.5865	10.09	0.00	703927				



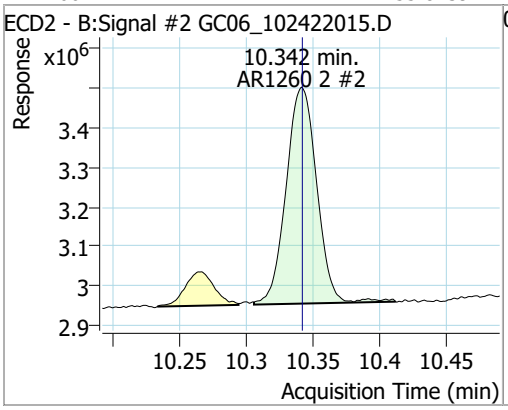
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	42.2826	10.22	0.00	180051				

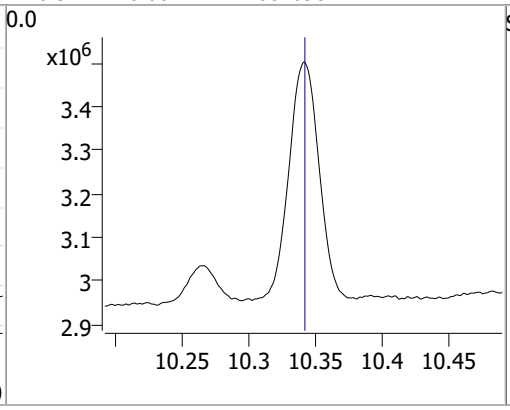


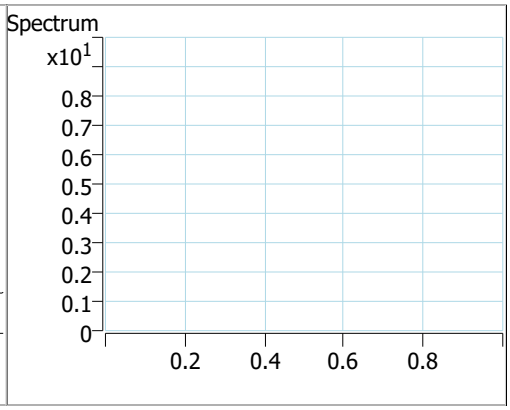




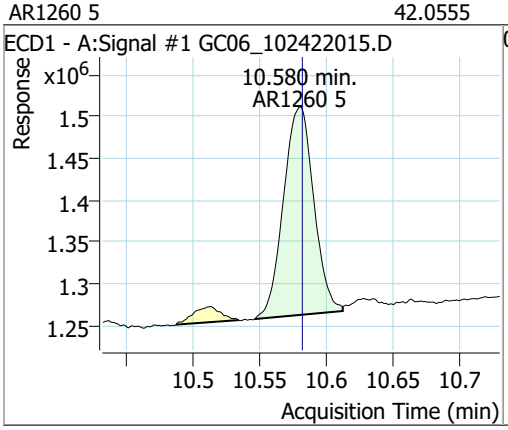
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	55.8239	10.34	0.00	881098				

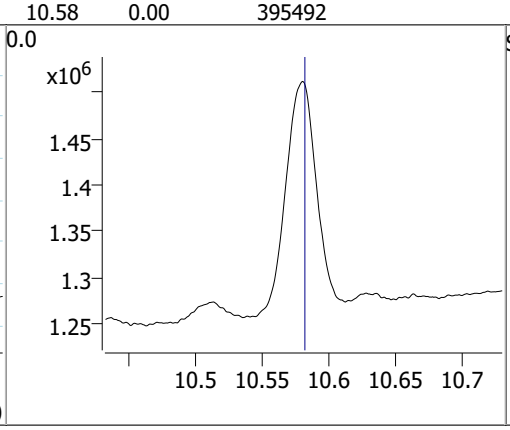


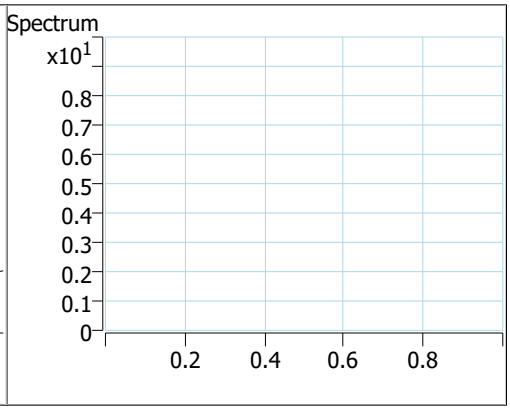




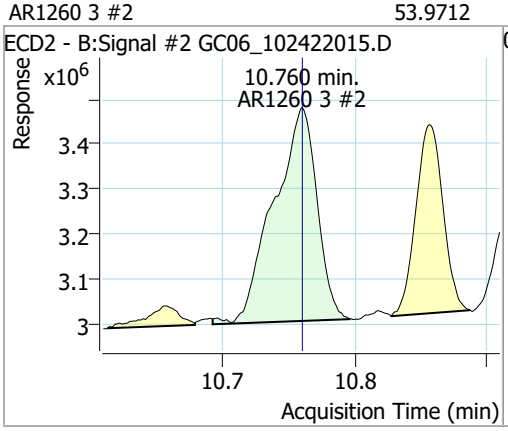
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	42.0555	10.58	0.00	395492				

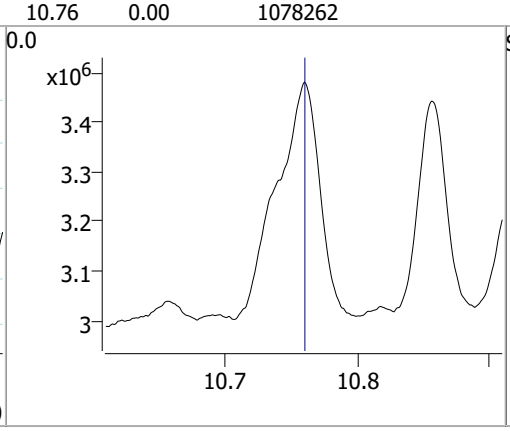


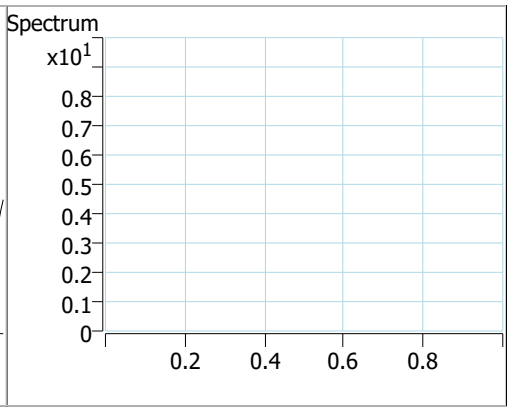




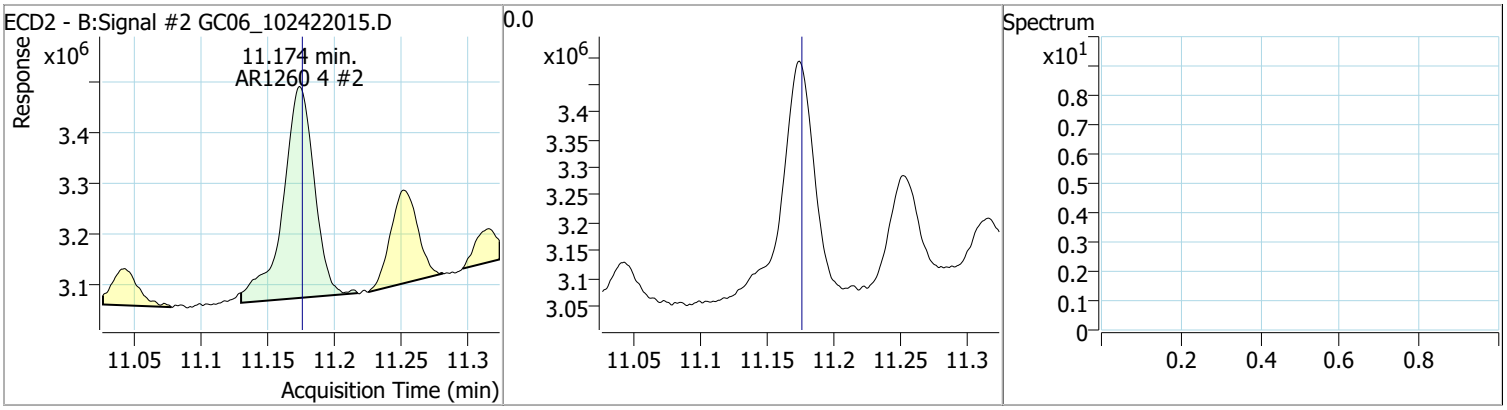
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	53.9712	10.76	0.00	1078262				



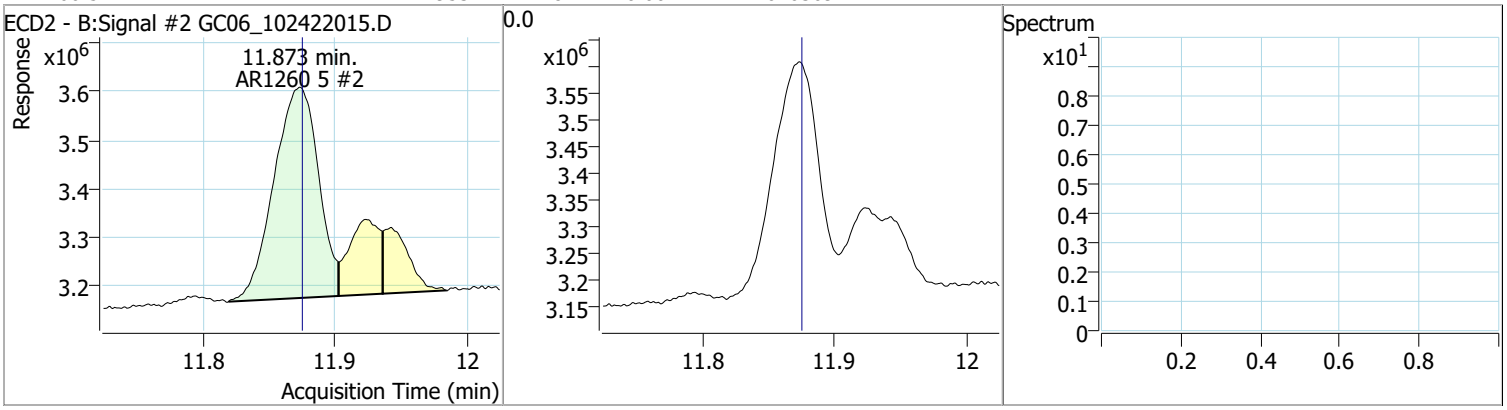




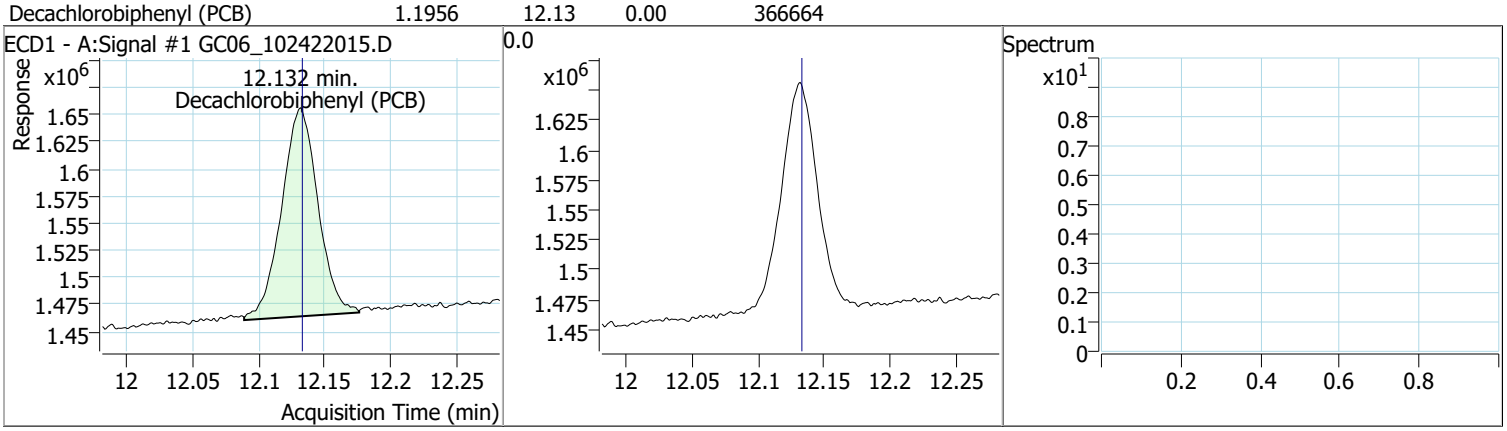
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	39.6741	11.17	0.00	694396				



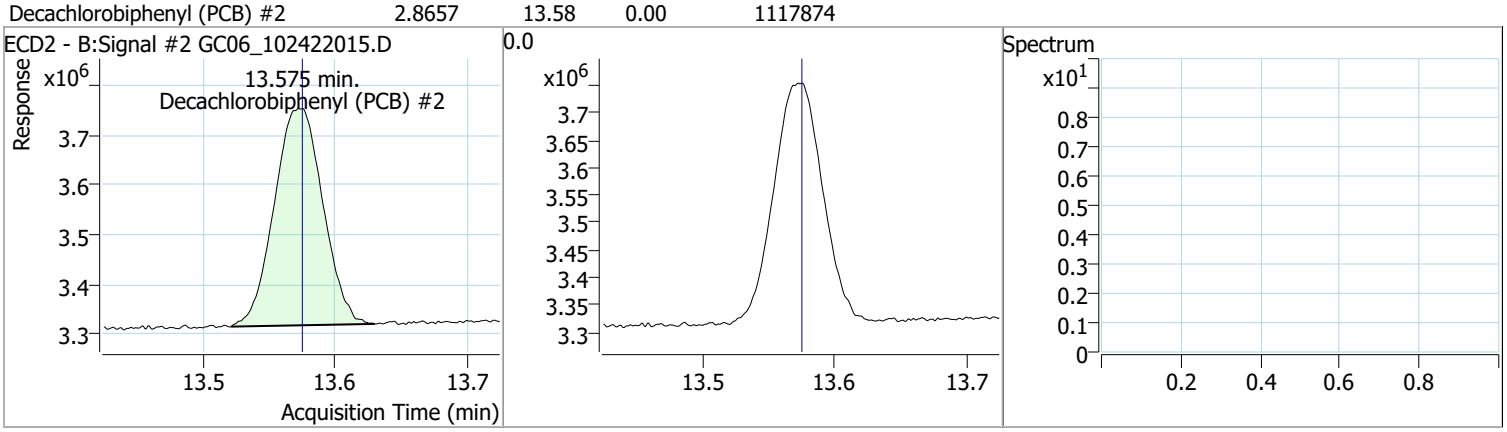
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	42.7953	11.87	0.00	1020309				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.1956	12.13	0.00	366664				

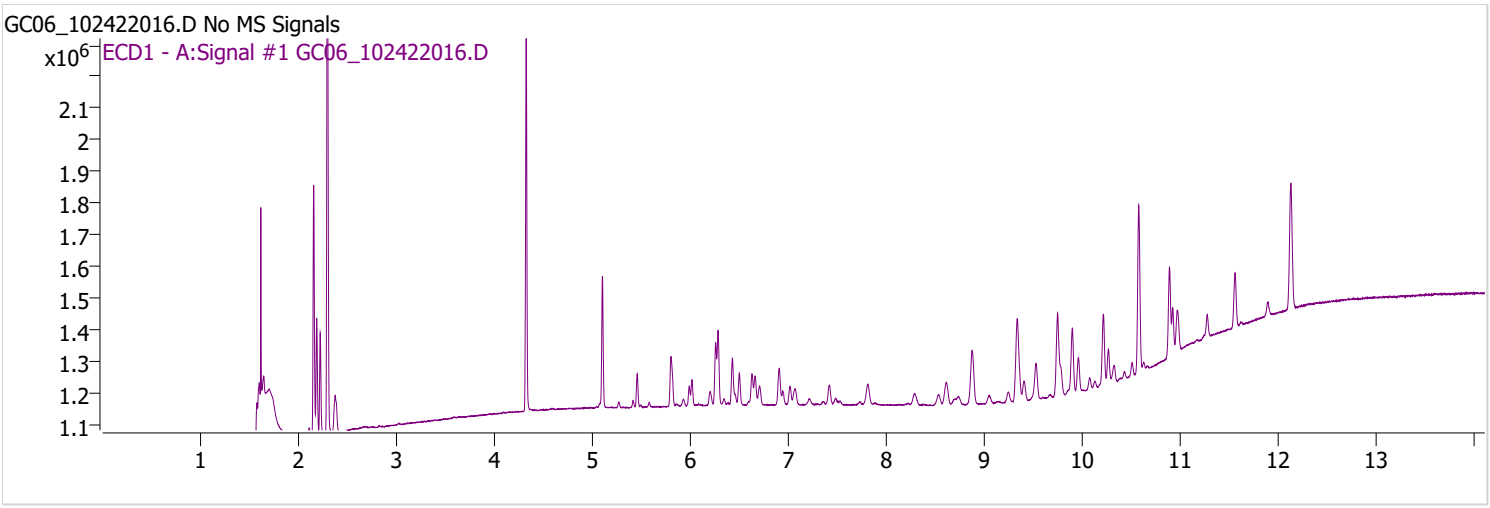


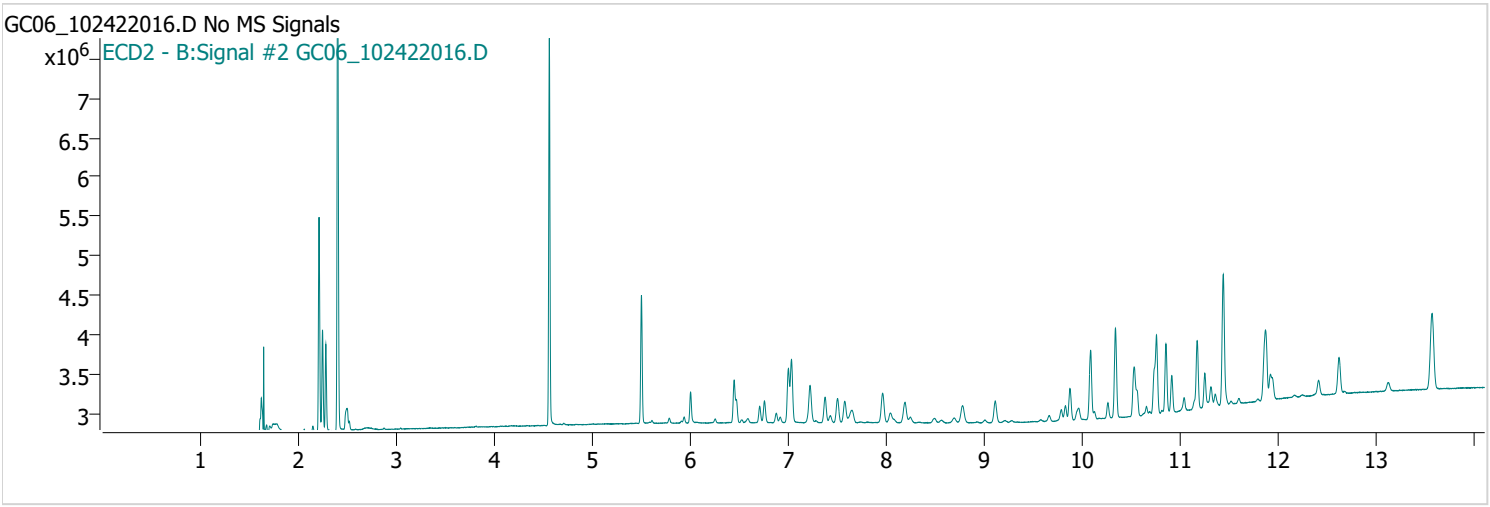
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.8657	13.58	0.00	1117874				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422016.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 6:02:02 PM
Sample Name	ICAL, S17265	Instrument	SVOA-GC06
Vial	13	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



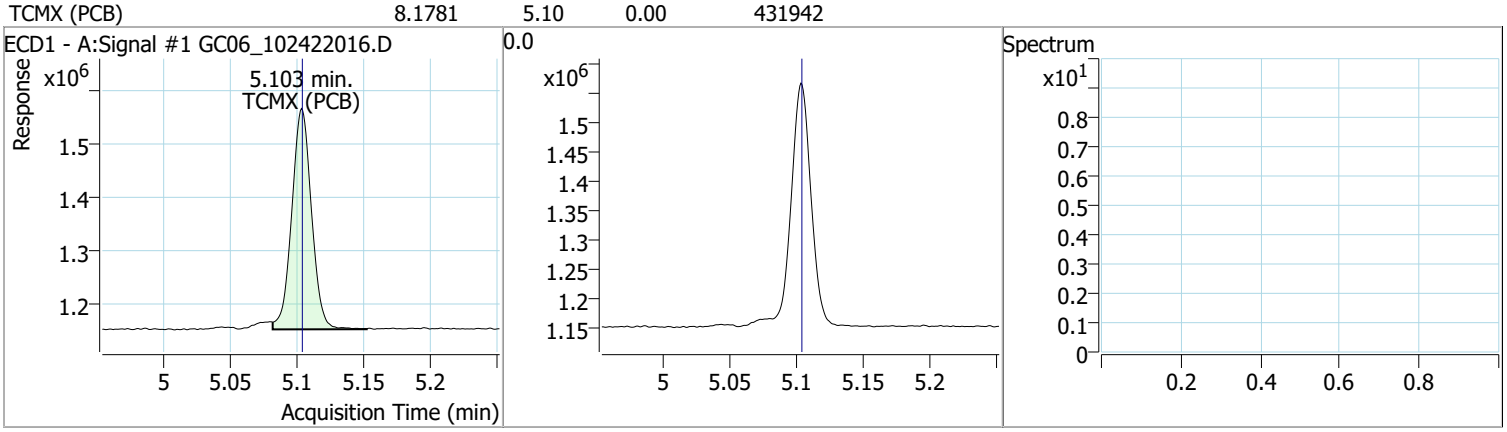


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1098556.587	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.561	0.0	4473955.688	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	431941.849	8.1781	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 40.89%		*	
S TCMX (PCB) #2	5.502	0.0	1756841.947	8.1767	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 40.88%		*	
S Decachlorobiphenyl (PCB)	12.133	0.0	769715.326	7.2383	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 36.19%		*	
S Decachlorobiphenyl (PCB) #2	13.576	0.0	2414988.806	8.4992	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 42.50%		*	
Target Compounds							**QValue**
T AR1016 1	5.458	0.0	126029.603	109.4237	ng/ml		100

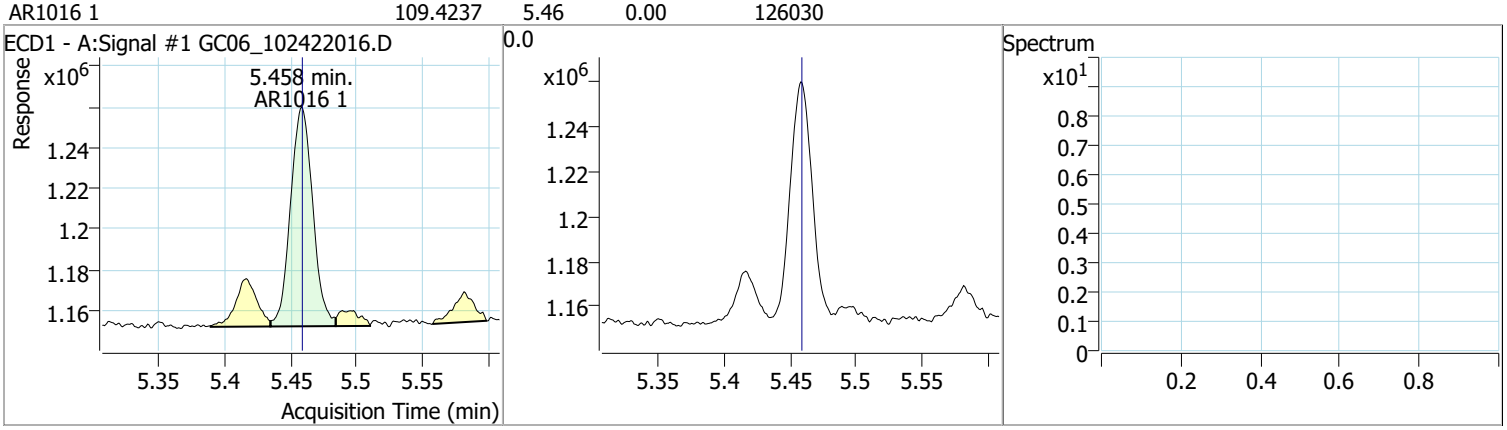
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.803	0.0	273792.604	104.1655	ng/ml		100
T AR1016 1 #2	6.003	0.0	494438.051	106.3335	ng/ml		100
T AR1016 3	6.284	0.0	317105.085	108.5912	ng/ml		100
T AR1016 4	6.431	0.0	243468.264	109.6225	ng/ml		100
T AR1016 2 #2	6.448	0.0	752749.371	112.1446	ng/ml	m	100
T AR1016 5	6.909	0.0	194872.097	108.9344	ng/ml		100
T AR1016 3 #2	7.033	0.0	1331099.472	109.1394	ng/ml		100
T AR1016 4 #2	7.223	0.0	949564.555	109.0568	ng/ml		100
T AR1016 5 #2	7.964	0.0	771943.524	109.0702	ng/ml		100
T AR1260 1	8.878	0.0	390861.384	105.2331	ng/ml		100
T AR1260 2	9.338	0.0	614413.614	108.5313	ng/ml		100
T AR1260 3	9.751	0.0	626423.788	105.8658	ng/ml		100
T AR1260 1 #2	10.088	0.0	1506423.617	113.1421	ng/ml		100
T AR1260 4	10.218	0.0	373415.612	104.0416	ng/ml		100
T AR1260 2 #2	10.342	0.0	1768113.790	110.5237	ng/ml		100
T AR1260 5	10.579	0.0	836749.386	108.9242	ng/ml		100
T AR1260 3 #2	10.761	0.0	2204619.622	108.8731	ng/ml		100
T AR1260 4 #2	11.176	0.0	1447196.030	106.5619	ng/ml		100
T AR1260 5 #2	11.873	0.0	2132038.907	108.0368	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

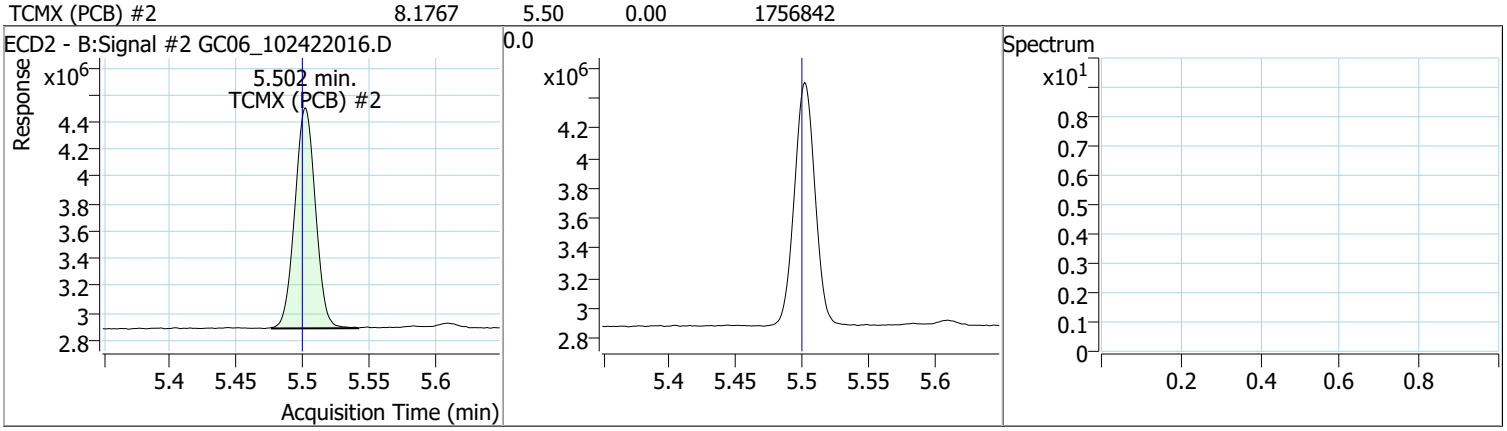
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	8.1781	5.10	0.00	431942				



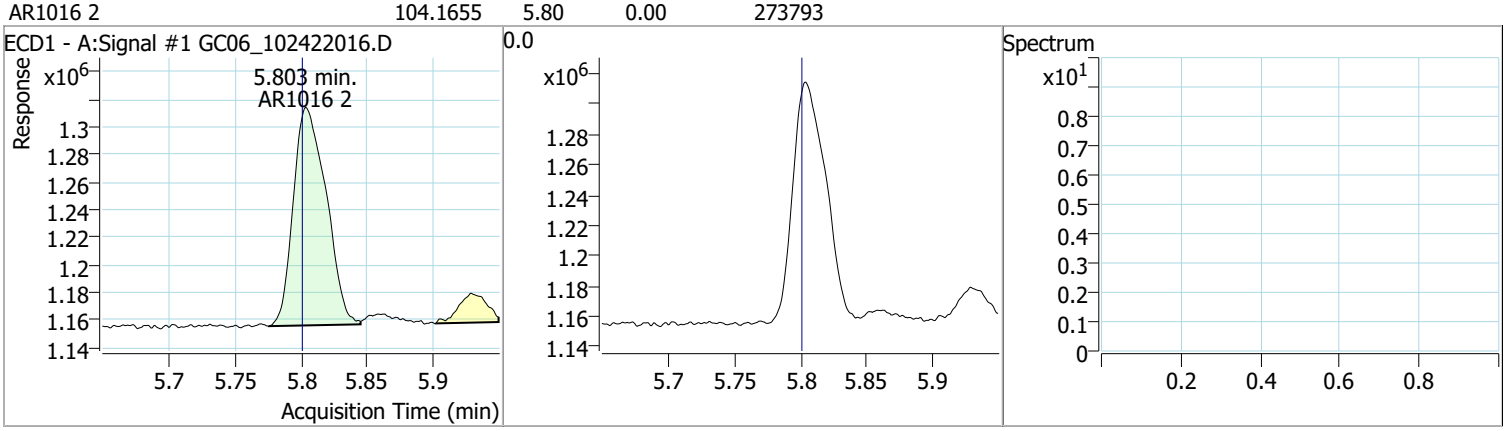
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	109.4237	5.46	0.00	126030				



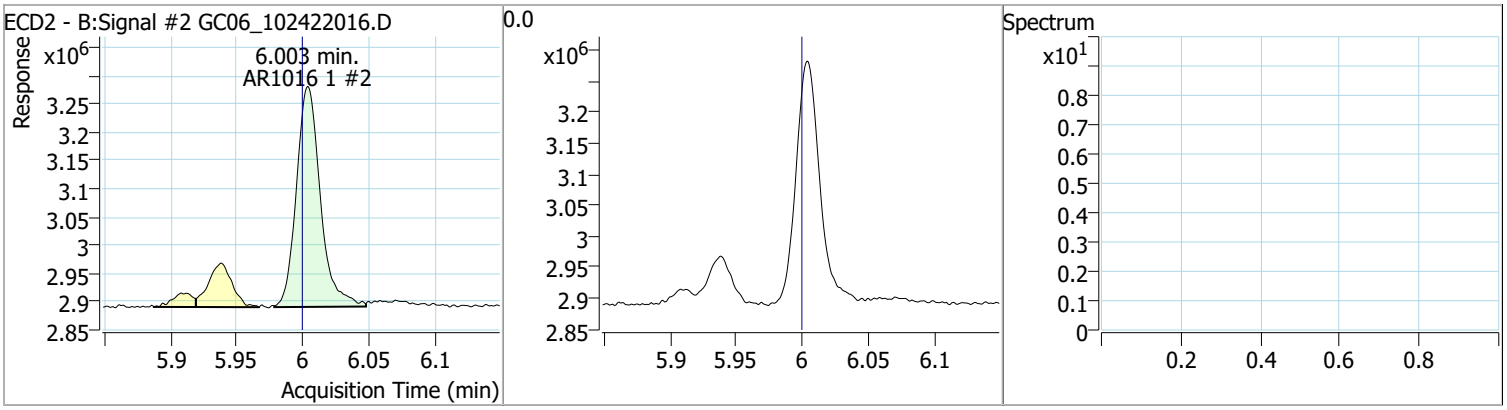
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	8.1767	5.50	0.00	1756842				



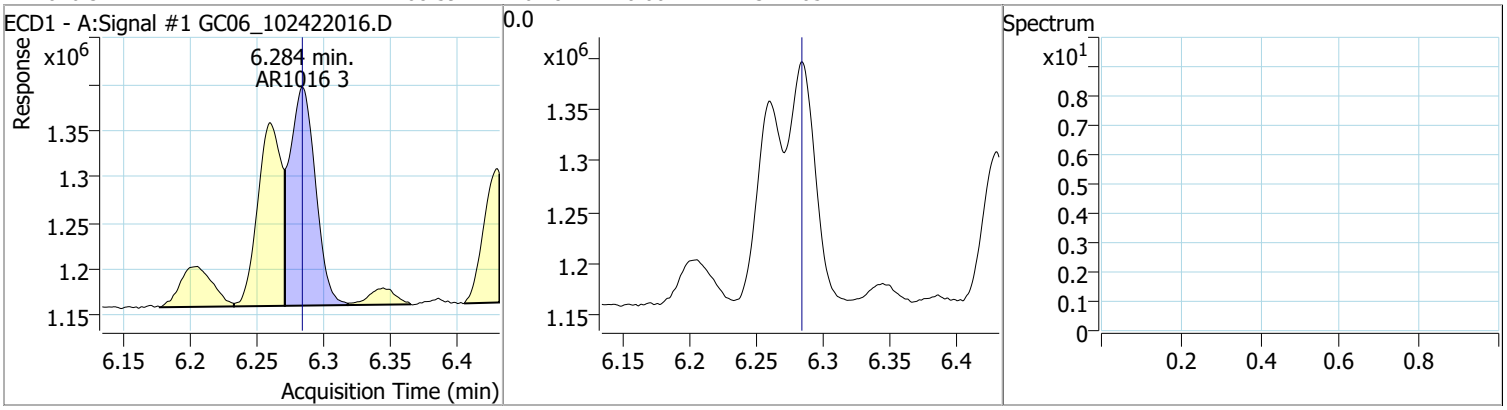
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	104.1655	5.80	0.00	273793				



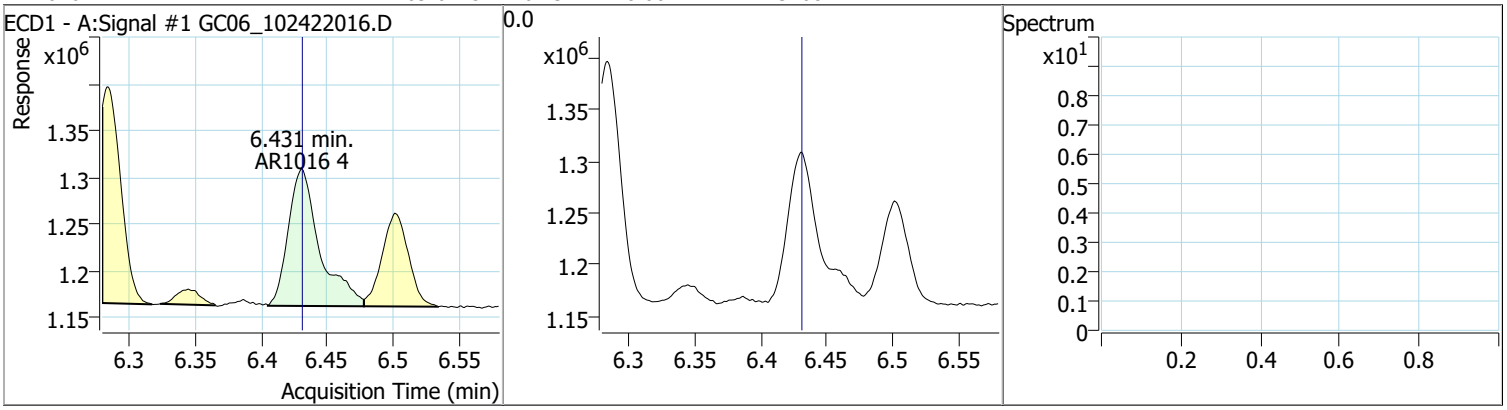
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	106.3335	6.00	0.00	494438				



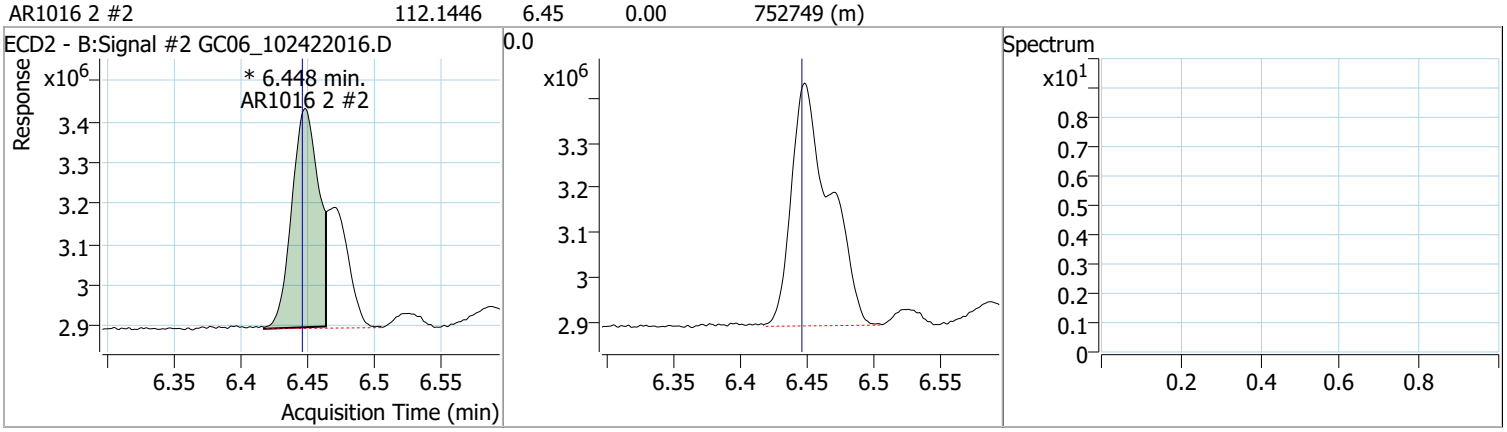
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	108.5912	6.28	0.00	317105				



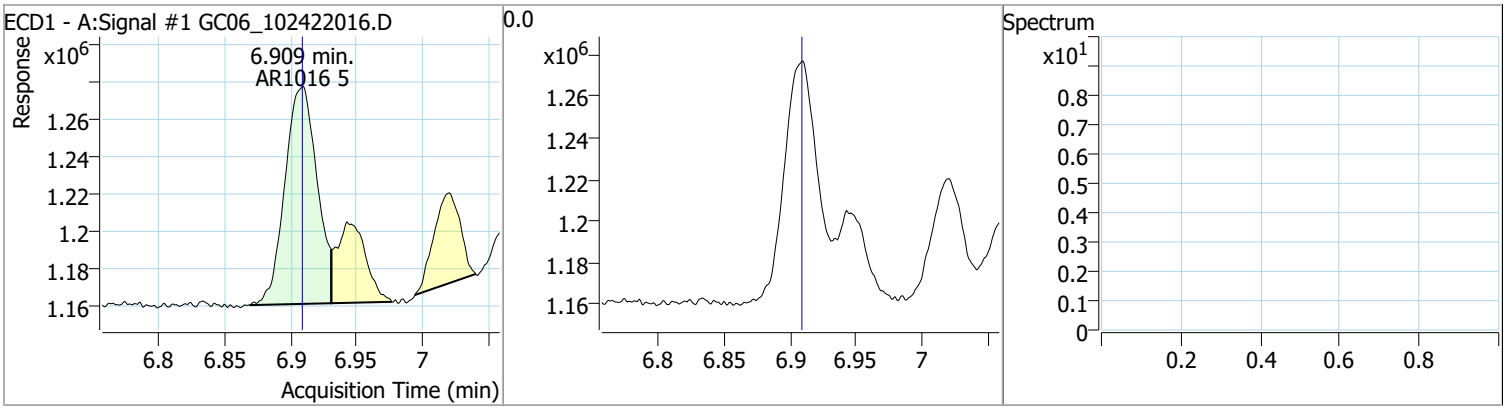
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	109.6225	6.43	0.00	243468				



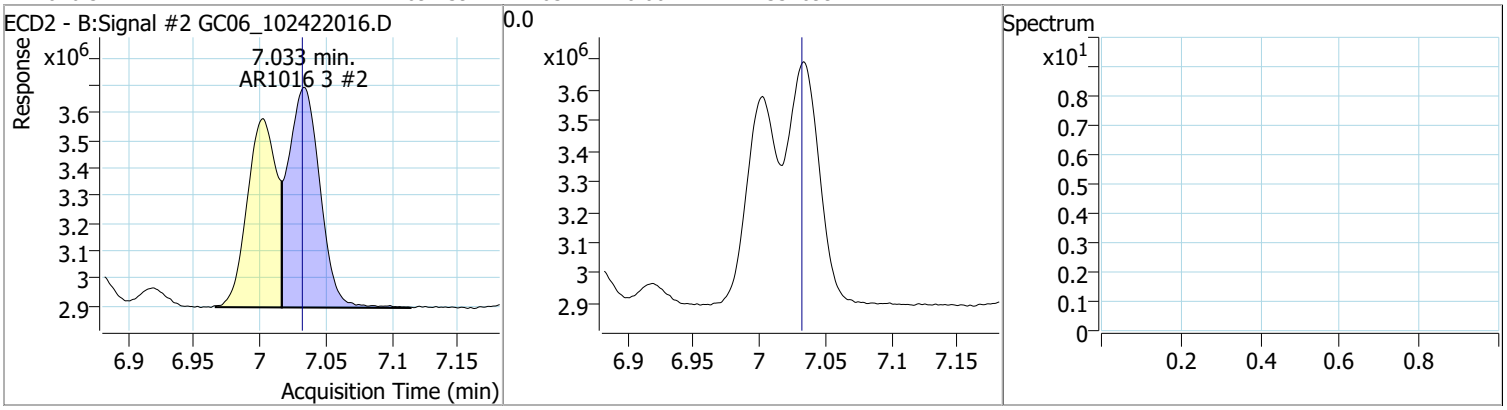
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	112.1446	6.45	0.00	752749 (m)				



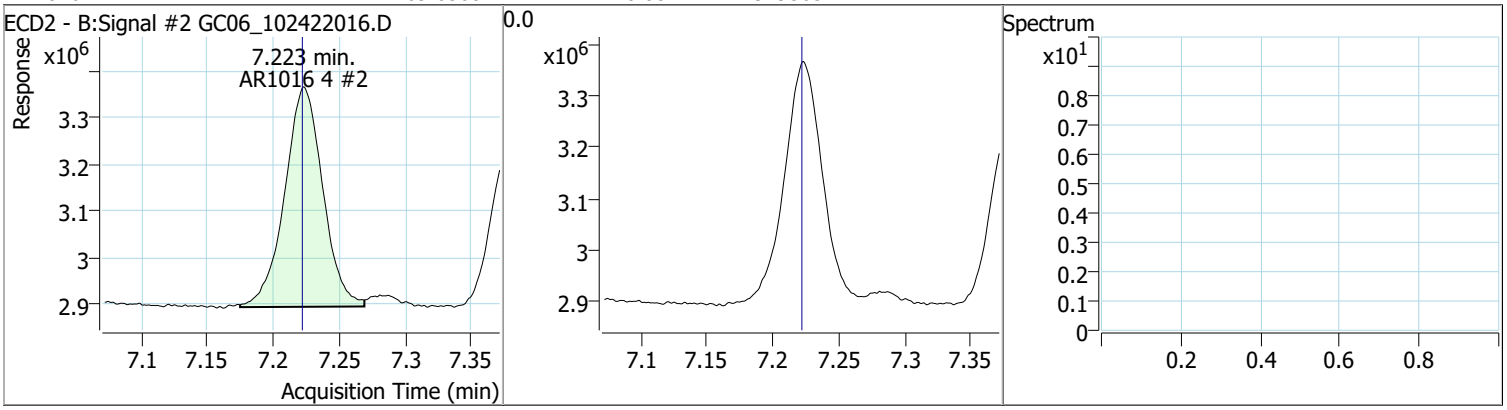
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	108.9344	6.91	0.00	194872				



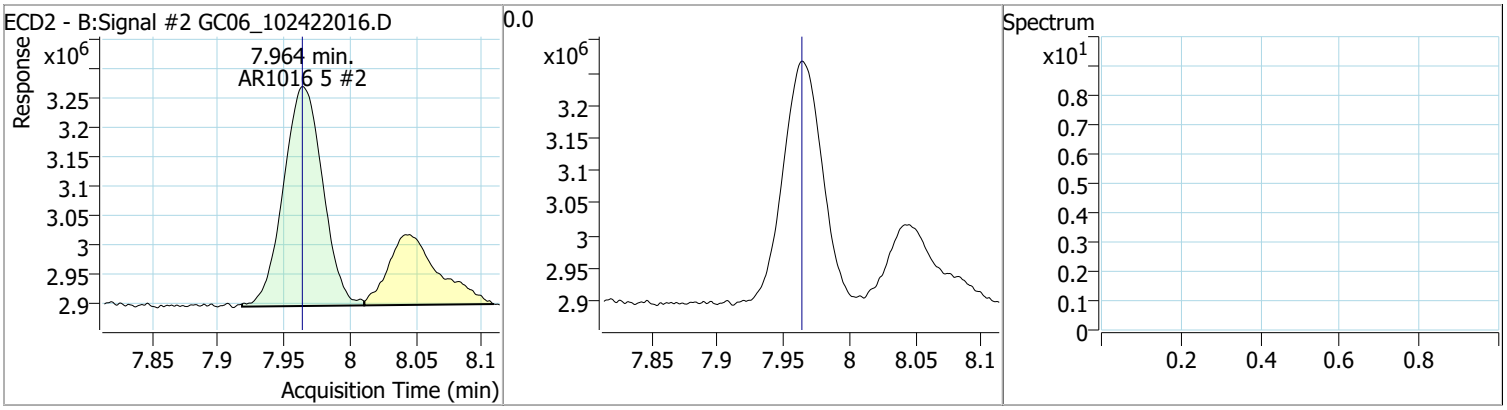
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	109.1394	7.03	0.00	1331099				



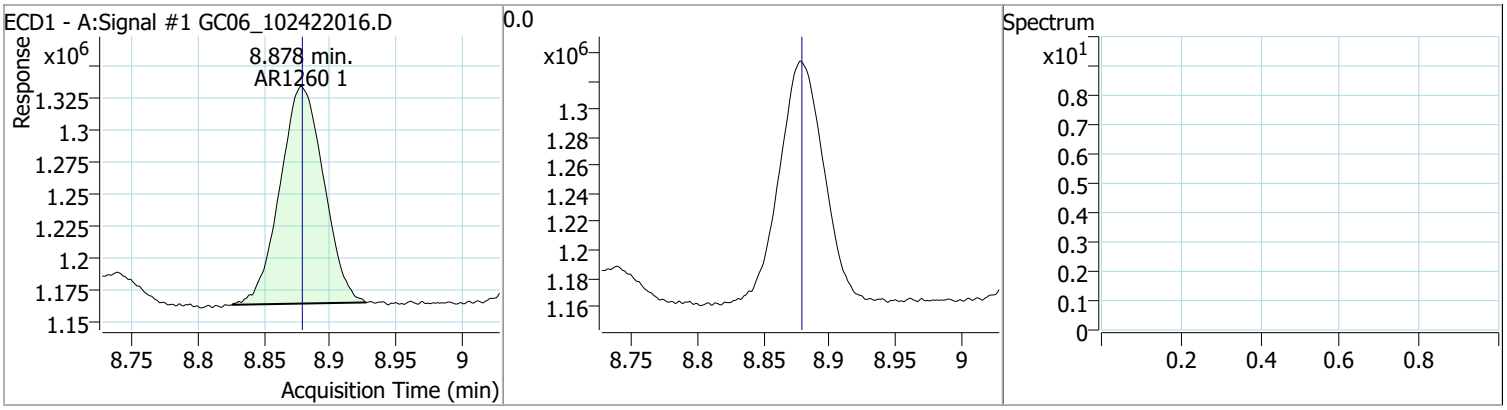
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	109.0568	7.22	0.00	949565				



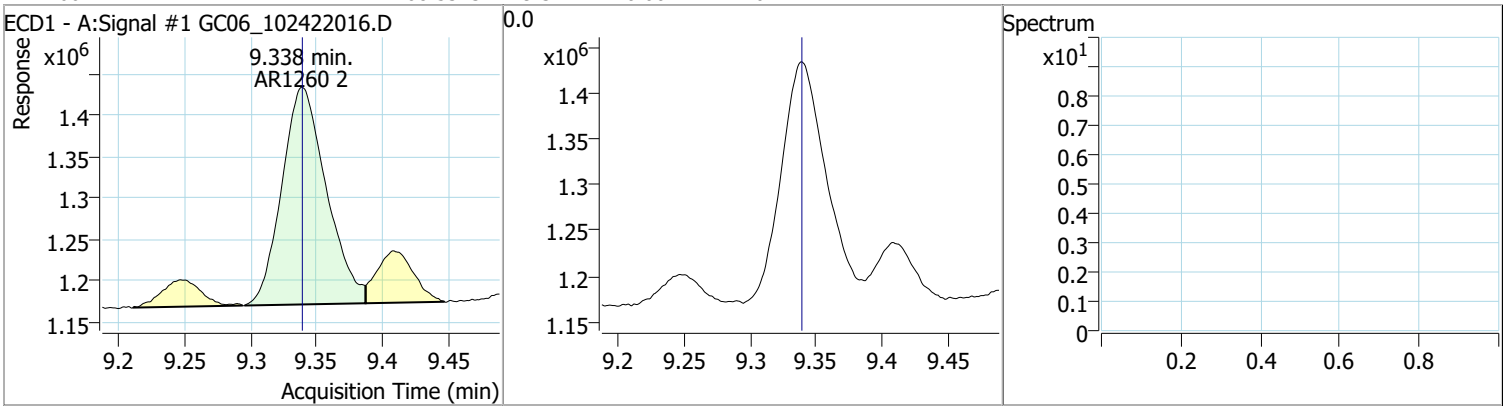
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	109.0702	7.96	0.00	771944				



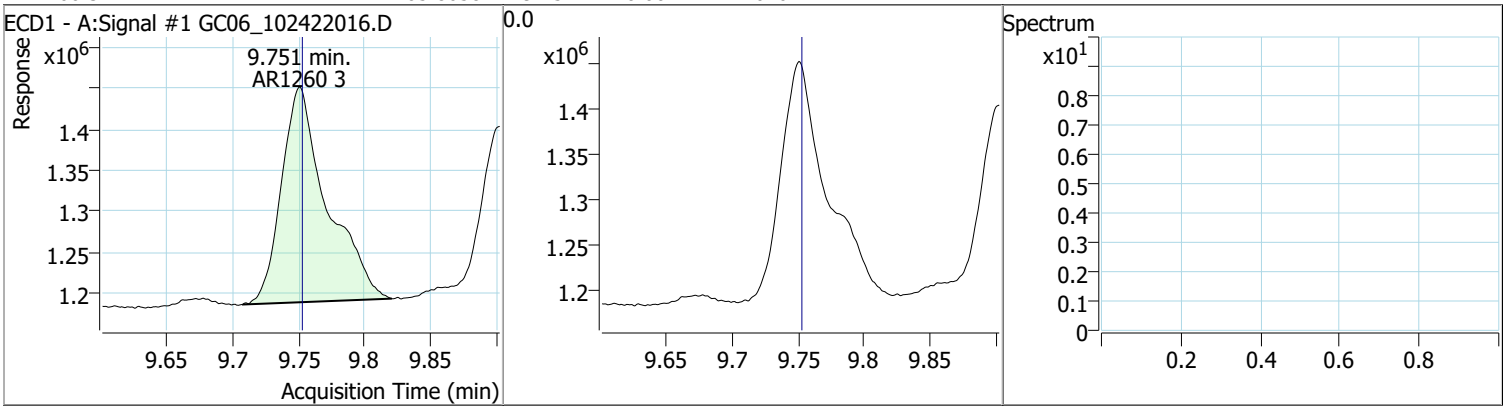
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	105.2331	8.88	0.00	390861				



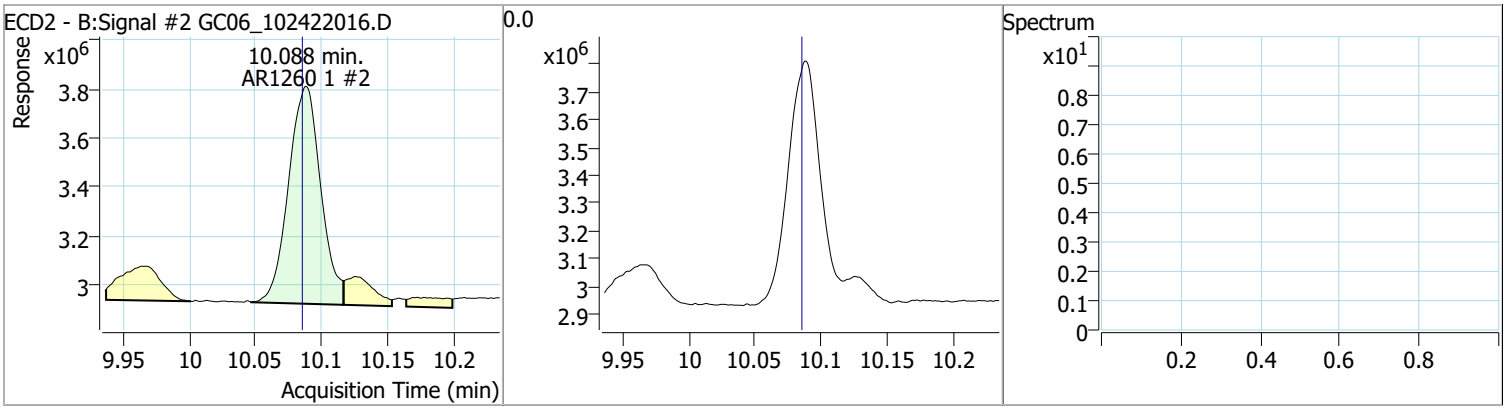
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	108.5313	9.34	0.00	614414				



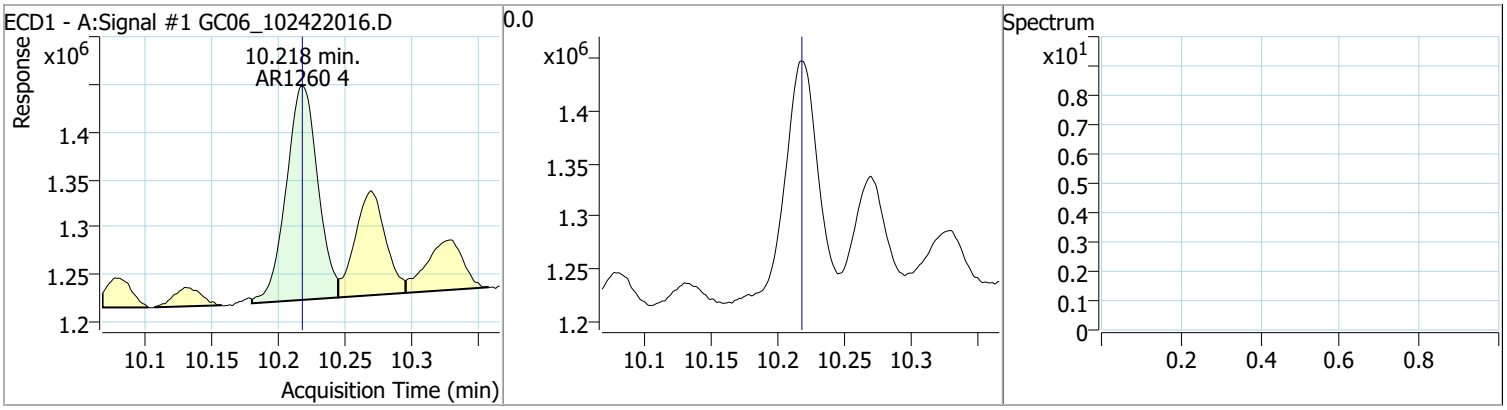
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	105.8658	9.75	0.00	626424				



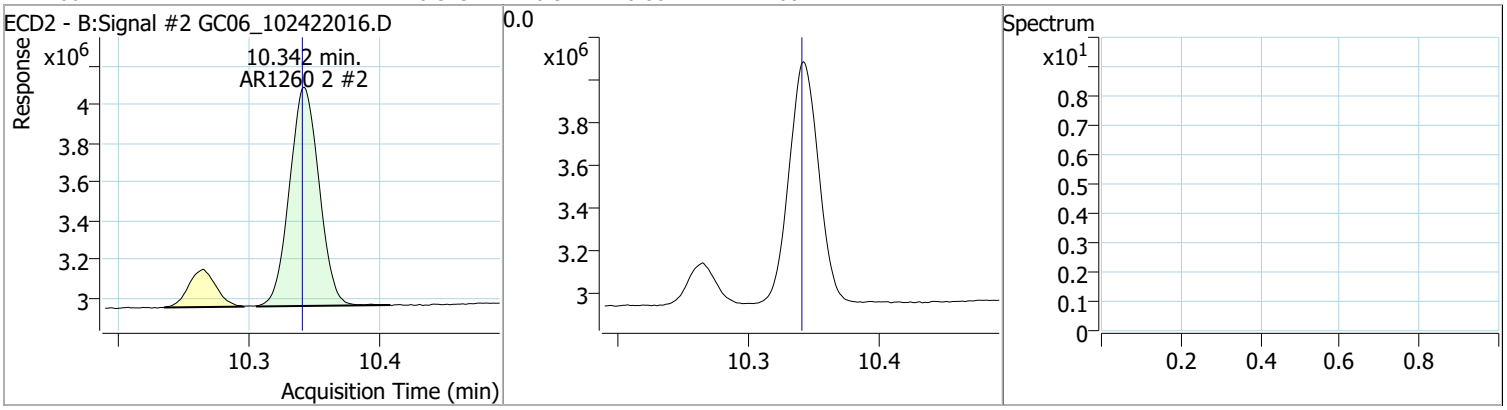
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	113.1421	10.09	0.00	1506424				



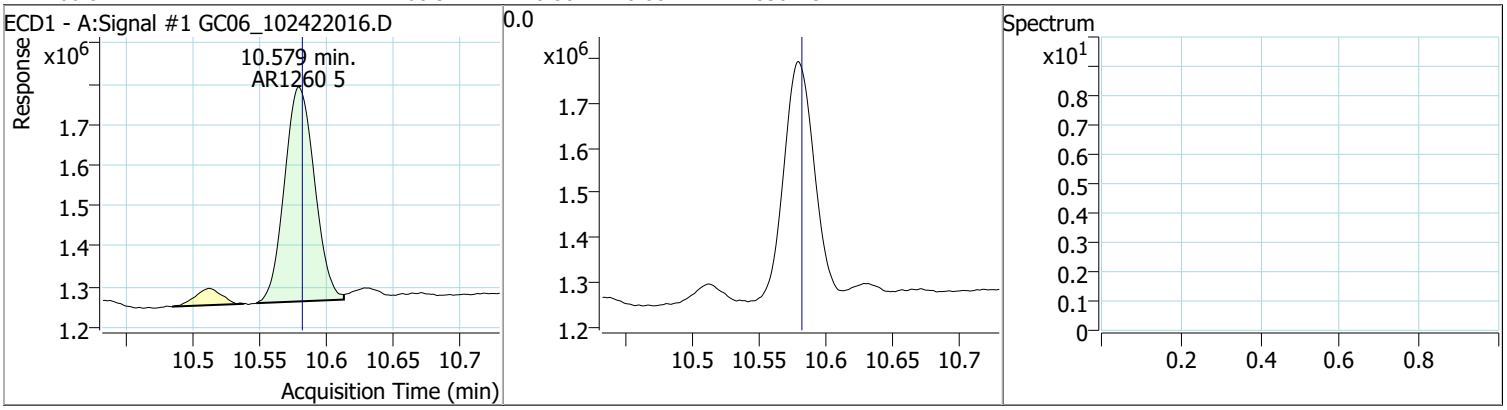
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	104.0416	10.22	0.00	373416				



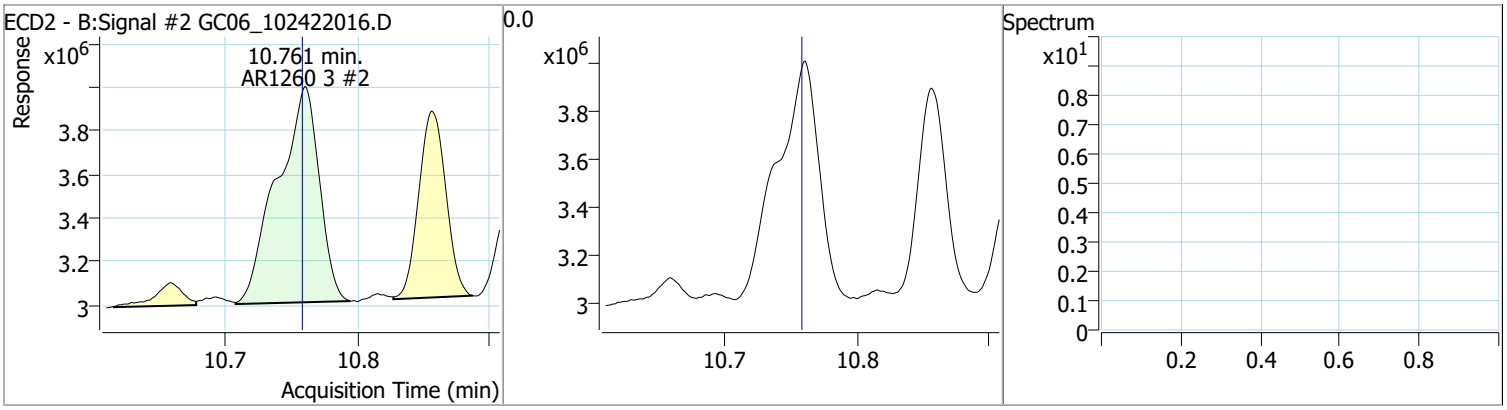
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	110.5237	10.34	0.00	1768114				



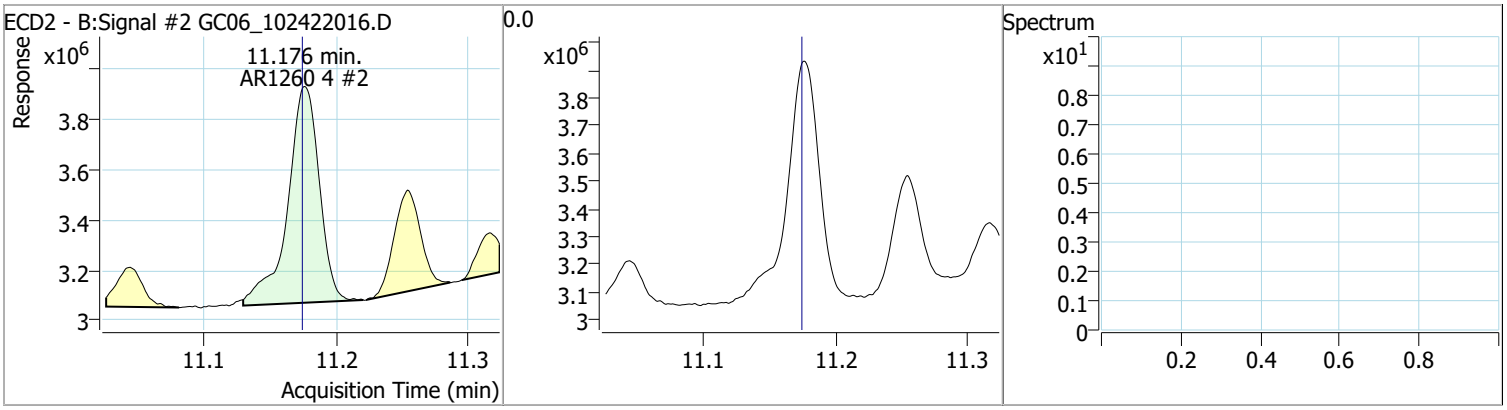
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	108.9242	10.58	0.00	836749				



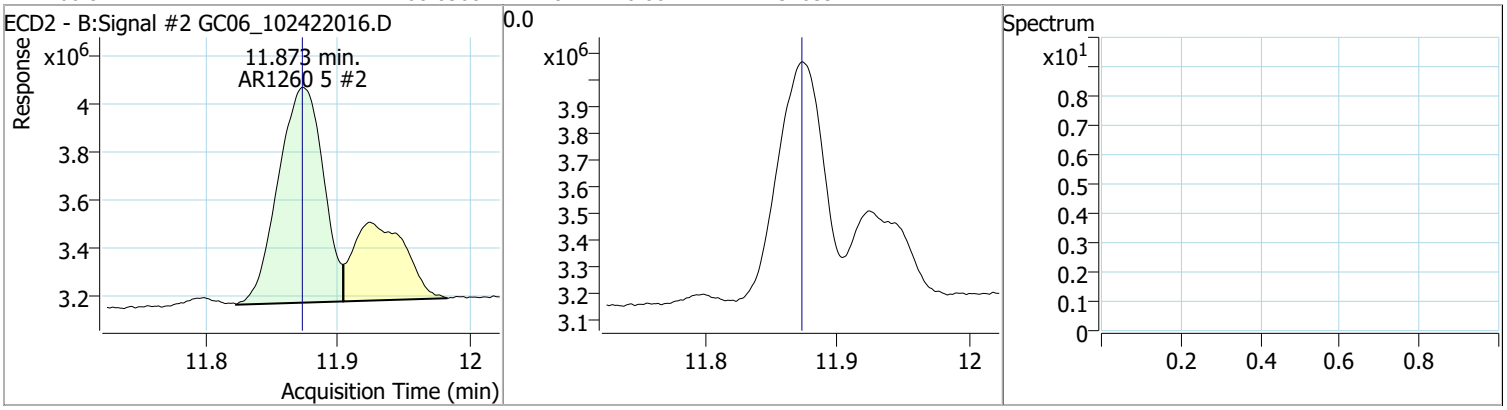
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	108.8731	10.76	0.00	2204620				



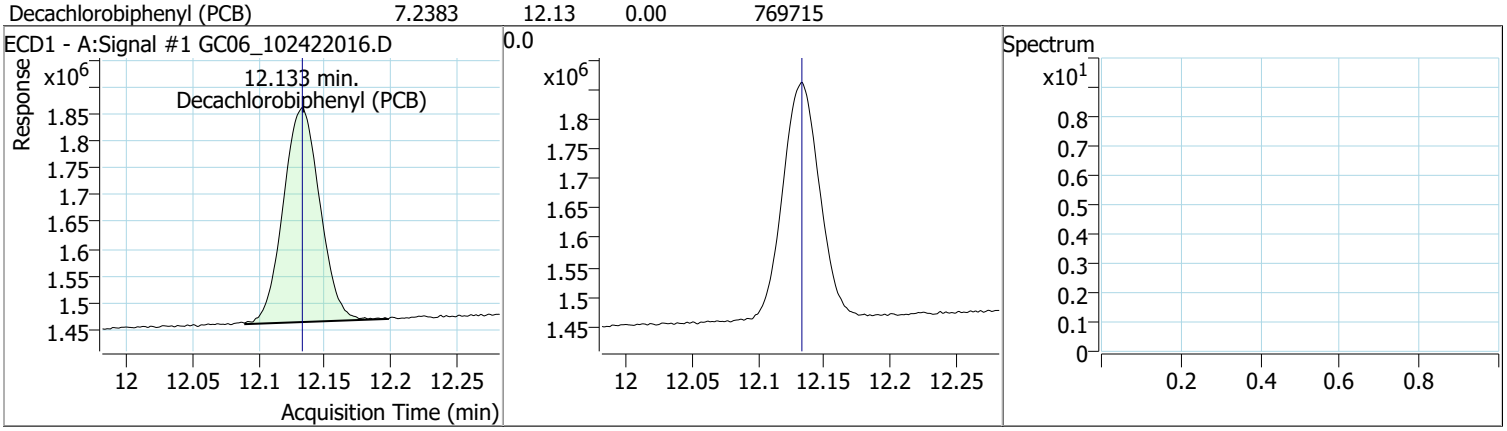
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	106.5619	11.18	0.00	1447196				



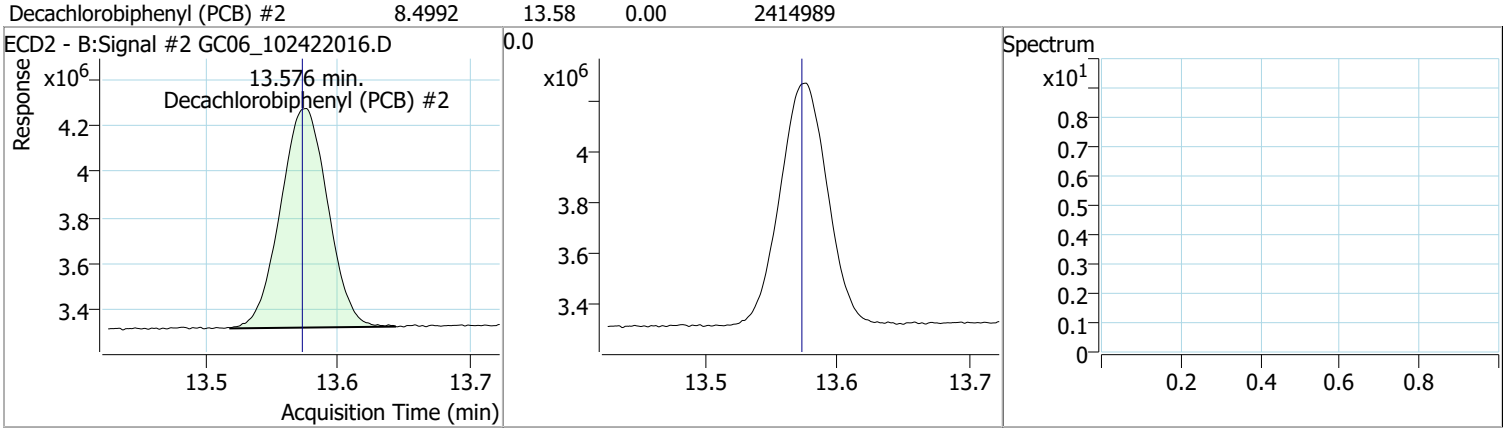
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	108.0368	11.87	0.00	2132039				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	7.2383	12.13	0.00	769715				

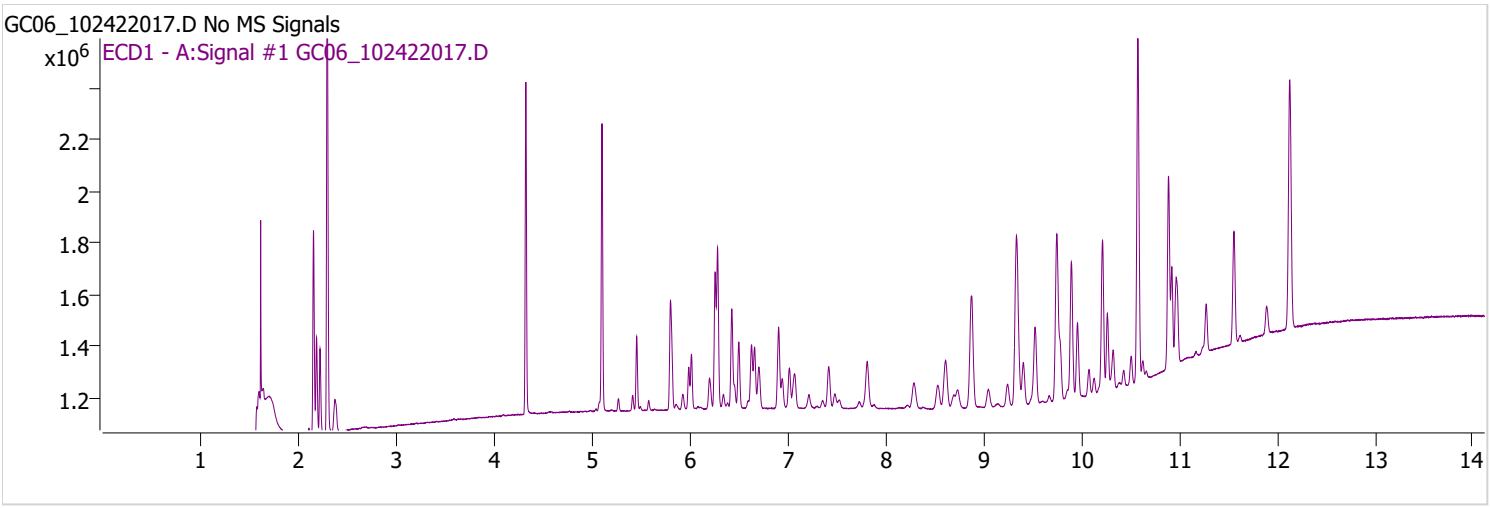


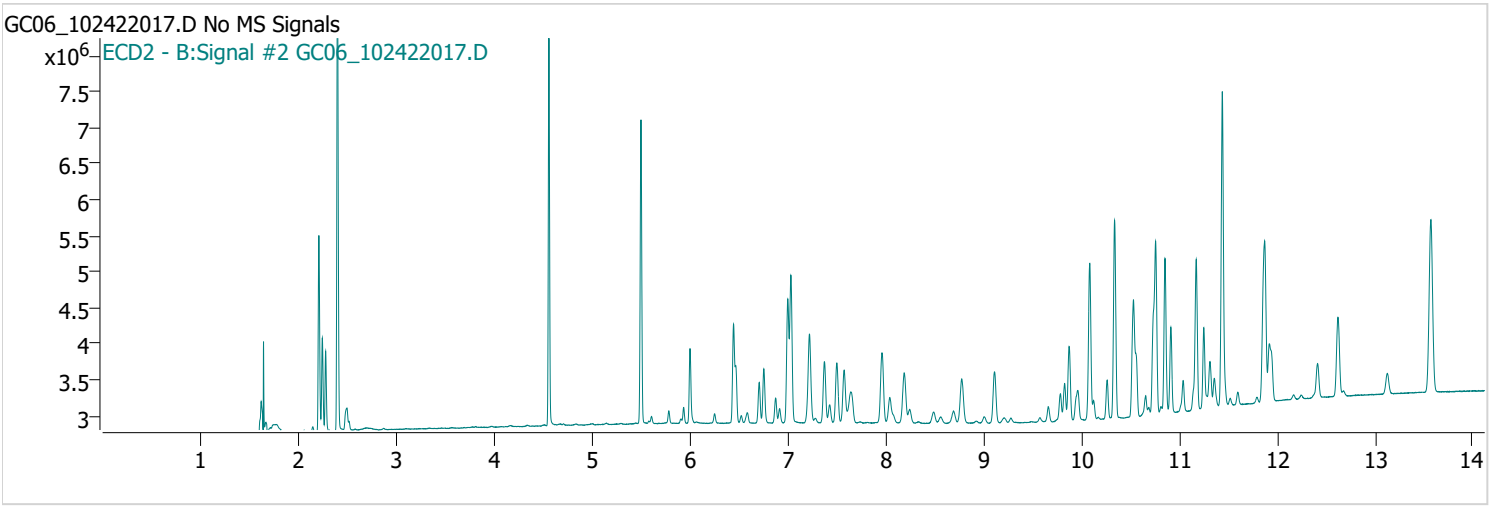
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	8.4992	13.58	0.00	2414989				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422017.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 6:20:02 PM
Sample Name	ICAL, S17266	Instrument	SVOA-GC06
Vial	14	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



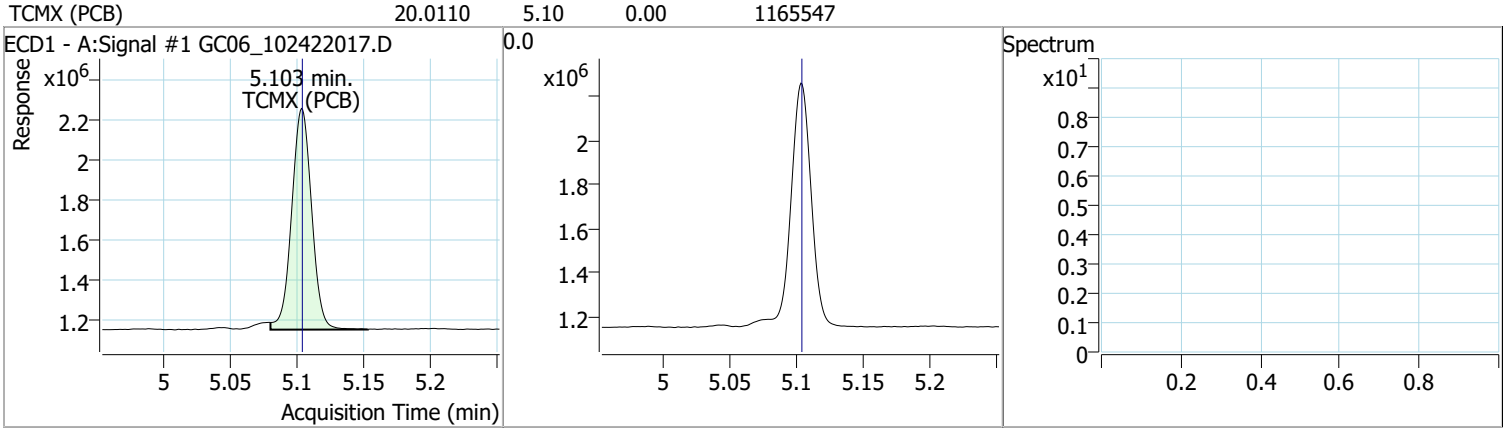


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1211472.444	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.561	0.0	4920571.818	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	1165547.443	20.0110	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 100.05%			
S TCMX (PCB) #2	5.502	0.0	4758798.041	20.1381	ng/ml	m	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 100.69%			
S Decachlorobiphenyl (PCB)	12.131	0.0	1850638.921	20.8820	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 104.41%			
S Decachlorobiphenyl (PCB) #2	13.573	0.0	5988530.393	21.8142	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 109.07%			
Target Compounds							QValue

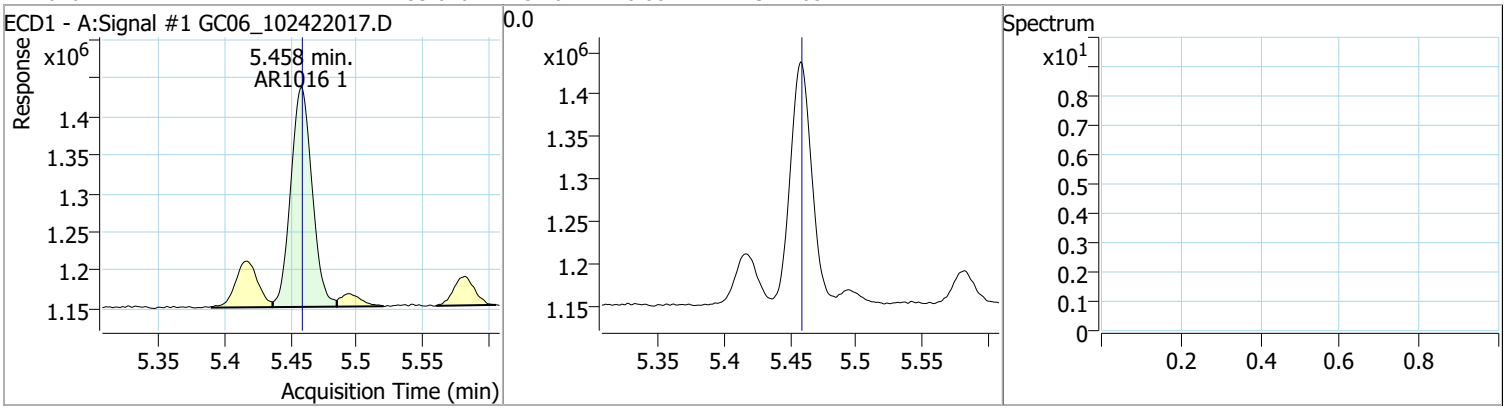
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.458	0.0	322205.369	253.6767	ng/ml		100
T AR1016 2	5.803	0.0	712693.363	266.8112	ng/ml		100
T AR1016 1 #2	6.003	0.0	1331882.363	260.4356	ng/ml		100
T AR1016 3	6.284	0.0	837940.134	260.2036	ng/ml		100
T AR1016 4	6.430	0.0	635327.920	259.3965	ng/ml		100
T AR1016 2 #2	6.448	0.0	1963799.619	266.0119	ng/ml	m	100
T AR1016 5	6.908	0.0	507361.692	257.1827	ng/ml		100
T AR1016 3 #2	7.033	0.0	3371390.470	251.3369	ng/ml	m	100
T AR1016 4 #2	7.223	0.0	2521917.084	263.3511	ng/ml		100
T AR1016 5 #2	7.963	0.0	2051369.275	263.5364	ng/ml		100
T AR1260 1	8.879	0.0	1022403.707	249.6095	ng/ml		100
T AR1260 2	9.338	0.0	1586842.083	254.1774	ng/ml		100
T AR1260 3	9.751	0.0	1640631.734	251.4243	ng/ml		100
T AR1260 1 #2	10.088	0.0	3737278.960	255.2165	ng/ml		100
T AR1260 4	10.218	0.0	994487.770	273.1079	ng/ml		100
T AR1260 2 #2	10.341	0.0	4465148.473	253.7799	ng/ml		100
T AR1260 5	10.578	0.0	2108588.370	272.1624	ng/ml		100
T AR1260 3 #2	10.760	0.0	5581397.012	250.6144	ng/ml		100
T AR1260 4 #2	11.175	0.0	3582855.500	269.4632	ng/ml	m	100
T AR1260 5 #2	11.874	0.0	5338056.869	269.7608	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

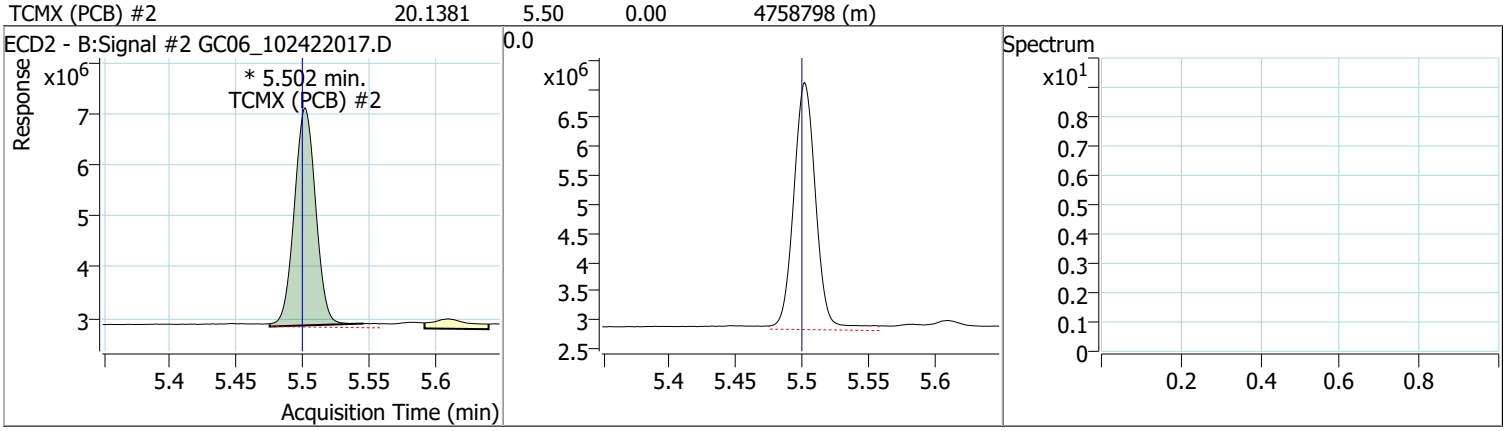
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	20.0110	5.10	0.00	1165547				



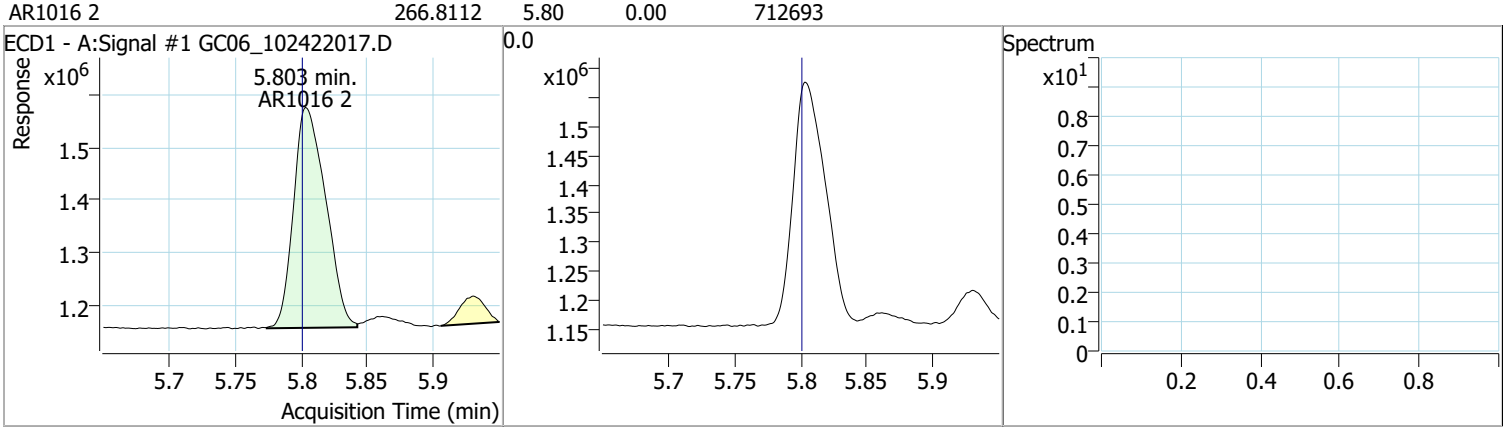
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	253.6767	5.46	0.00	322205				



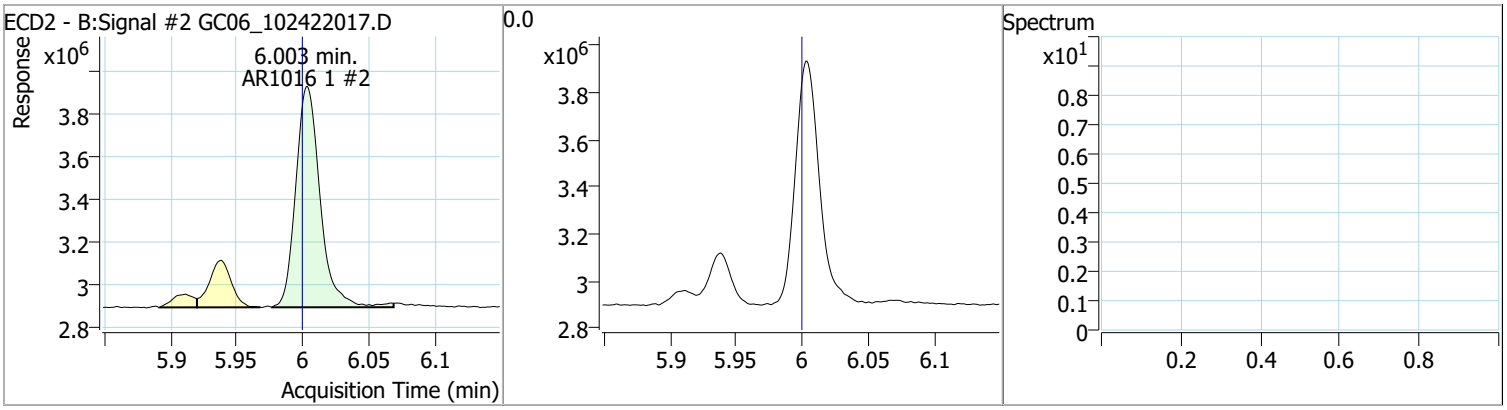
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	20.1381	5.50	0.00	4758798 (m)				



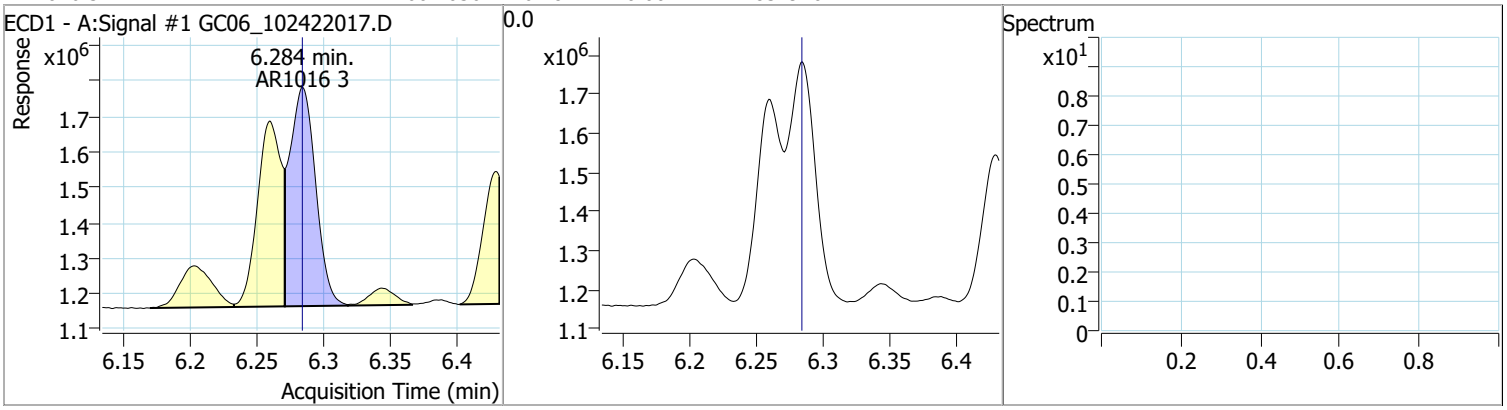
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	266.8112	5.80	0.00	712693				



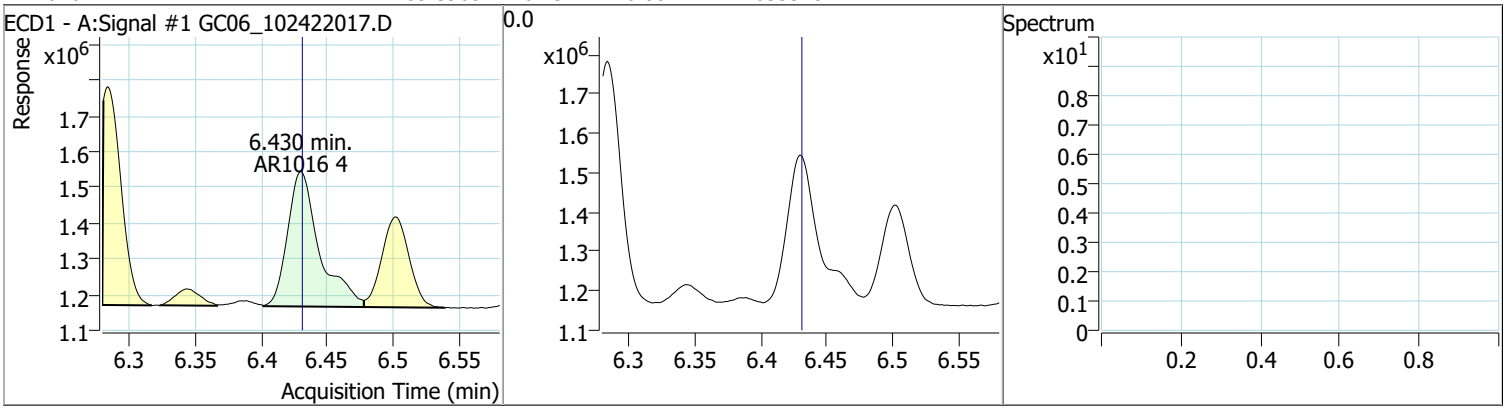
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	260.4356	6.00	0.00	1331882				



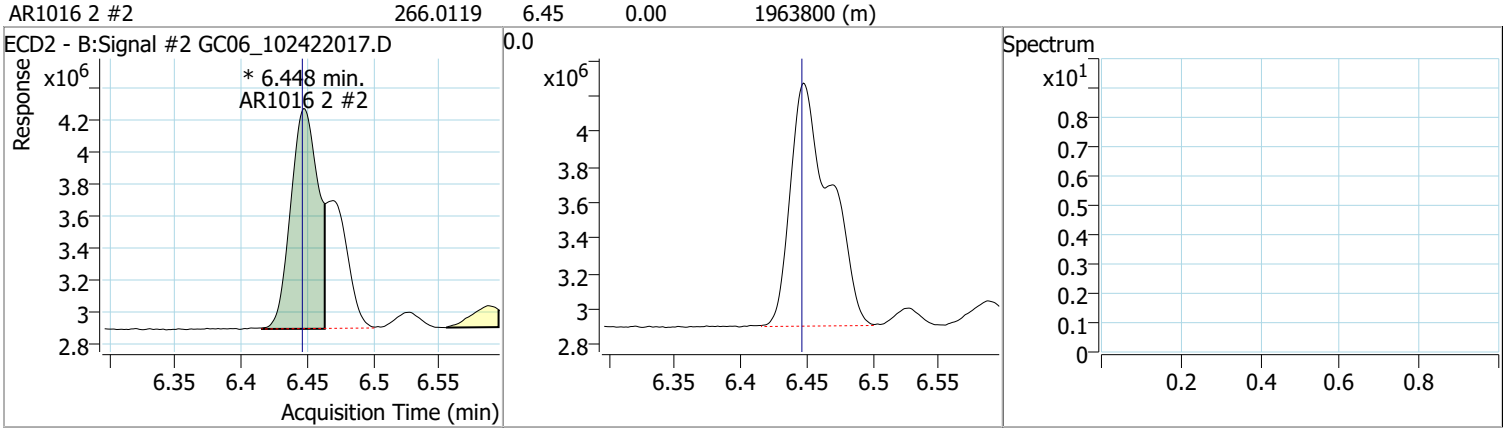
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	260.2036	6.28	0.00	837940				



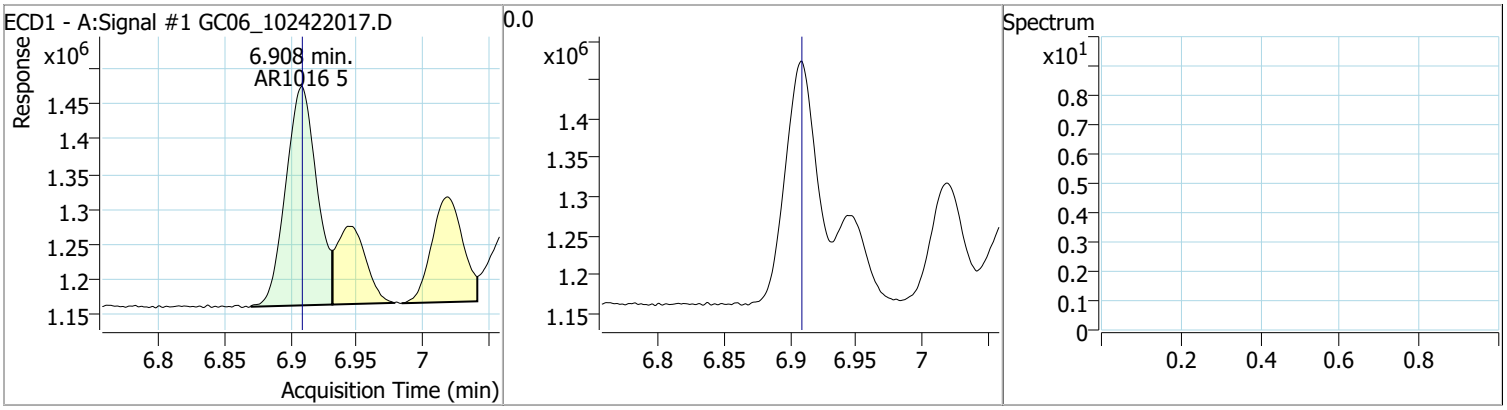
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	259.3965	6.43	0.00	635328				



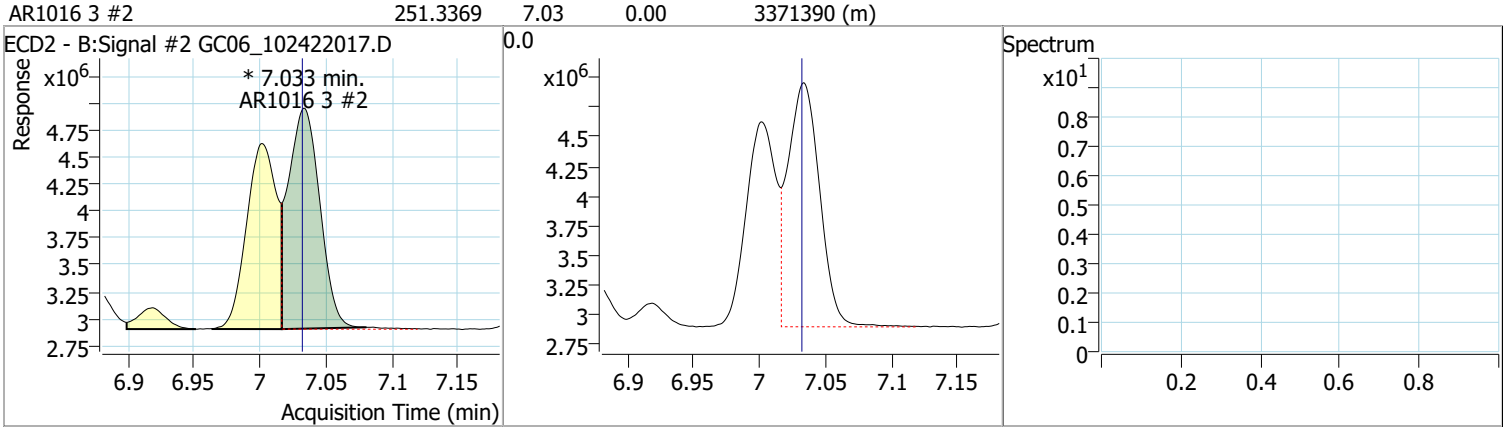
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	266.0119	6.45	0.00	1963800 (m)				



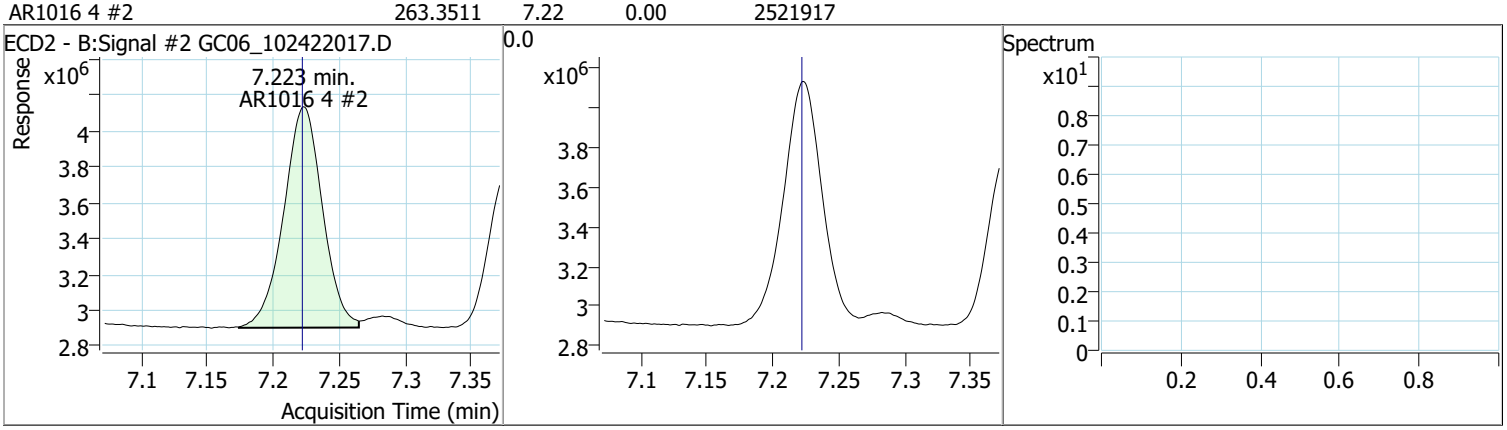
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	257.1827	6.91	0.00	507362				



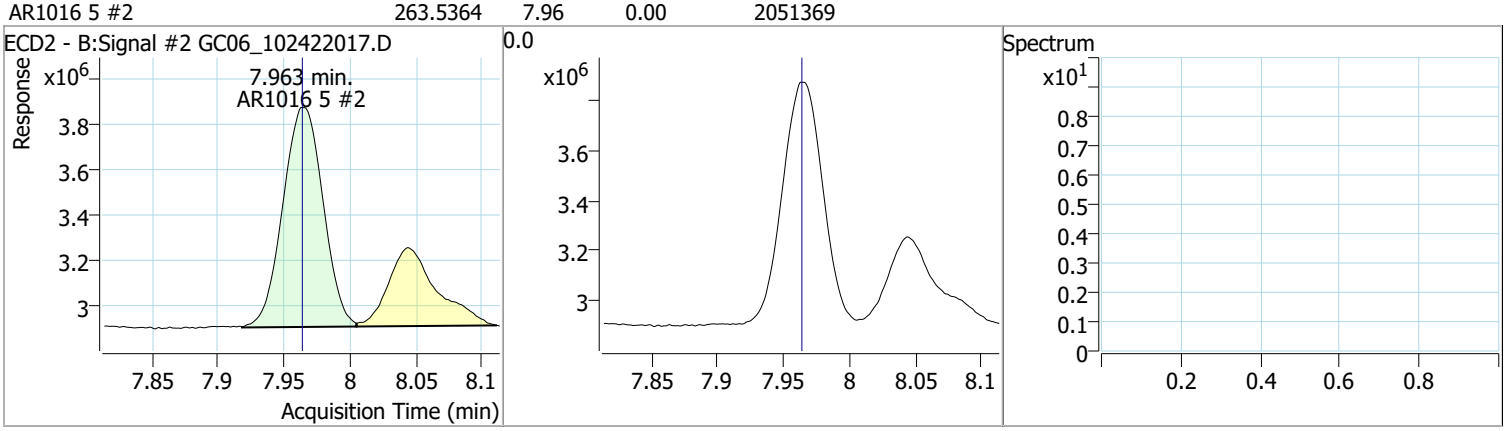
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	251.3369	7.03	0.00	3371390 (m)				



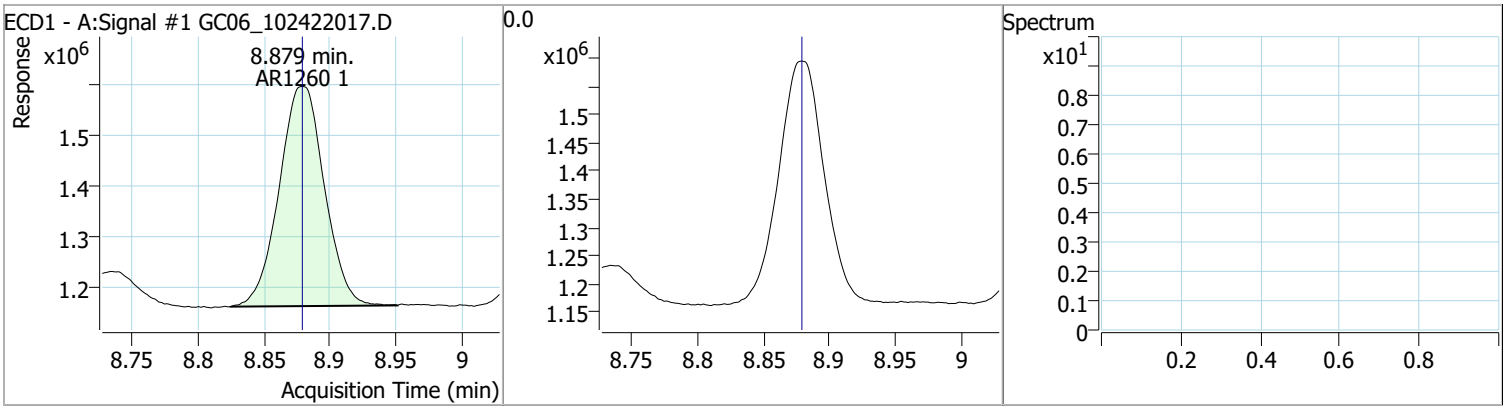
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	263.3511	7.22	0.00	2521917				



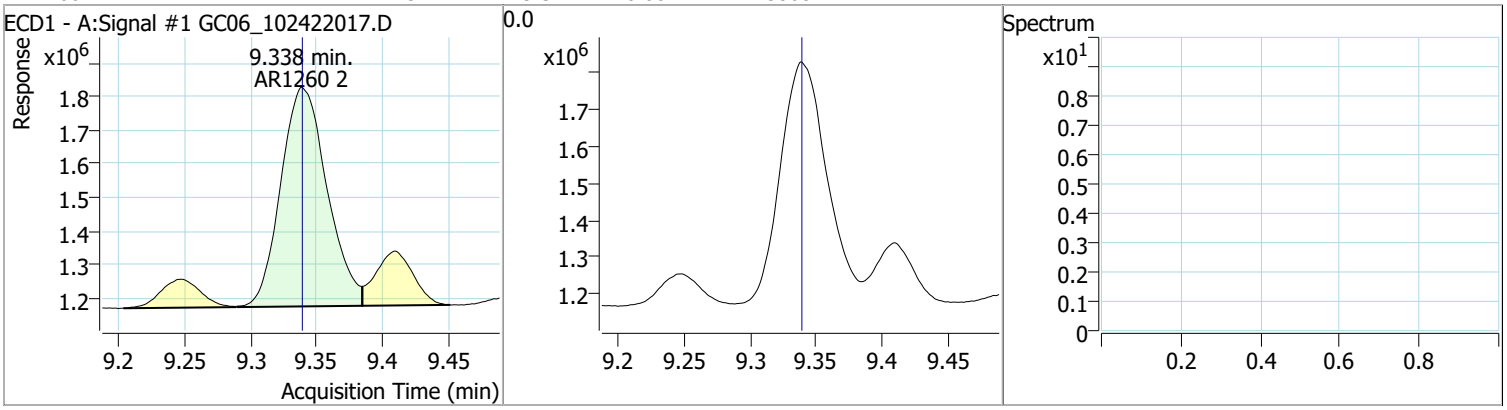
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	263.5364	7.96	0.00	2051369				



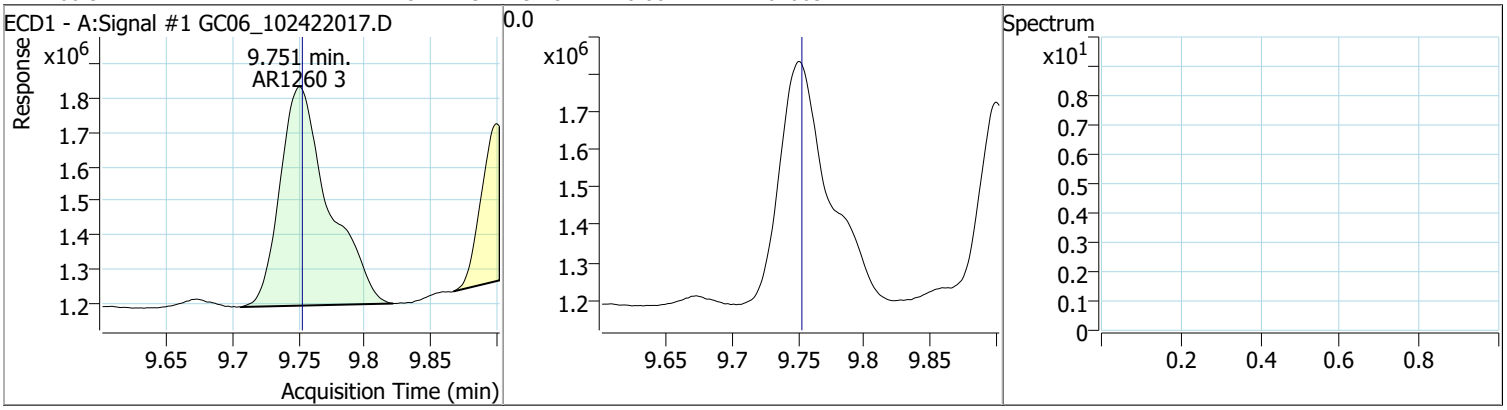
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	249.6095	8.88	0.00	1022404				



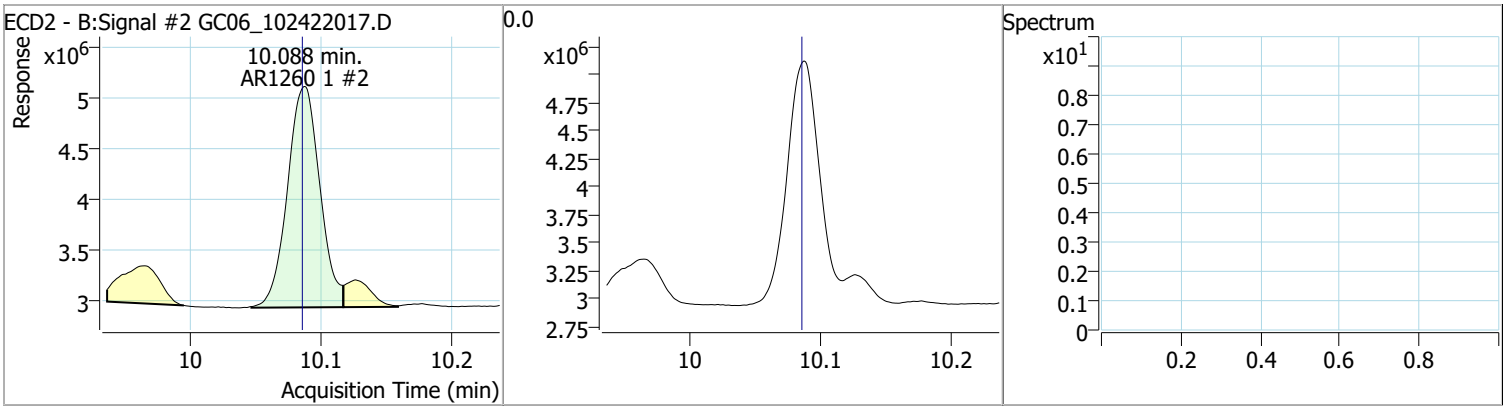
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	254.1774	9.34	0.00	1586842				



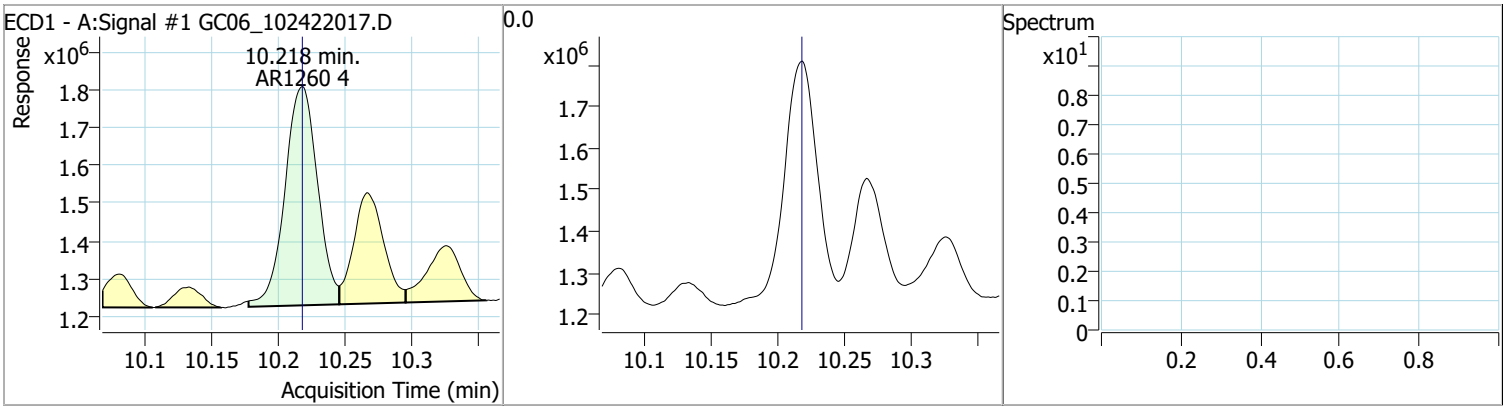
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	251.4243	9.75	0.00	1640632				



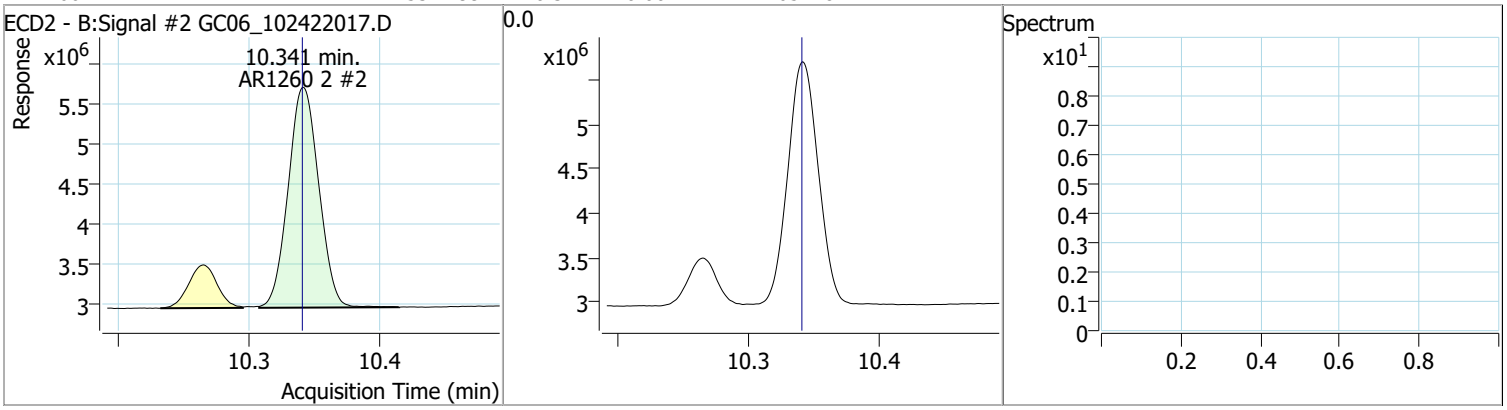
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	255.2165	10.09	0.00	3737279				



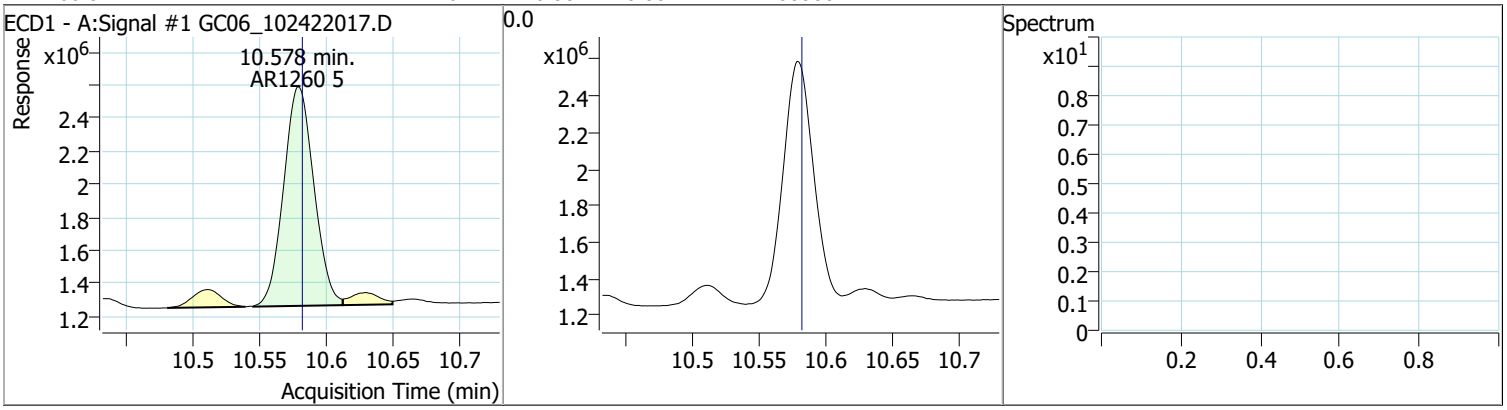
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	273.1079	10.22	0.00	994488				



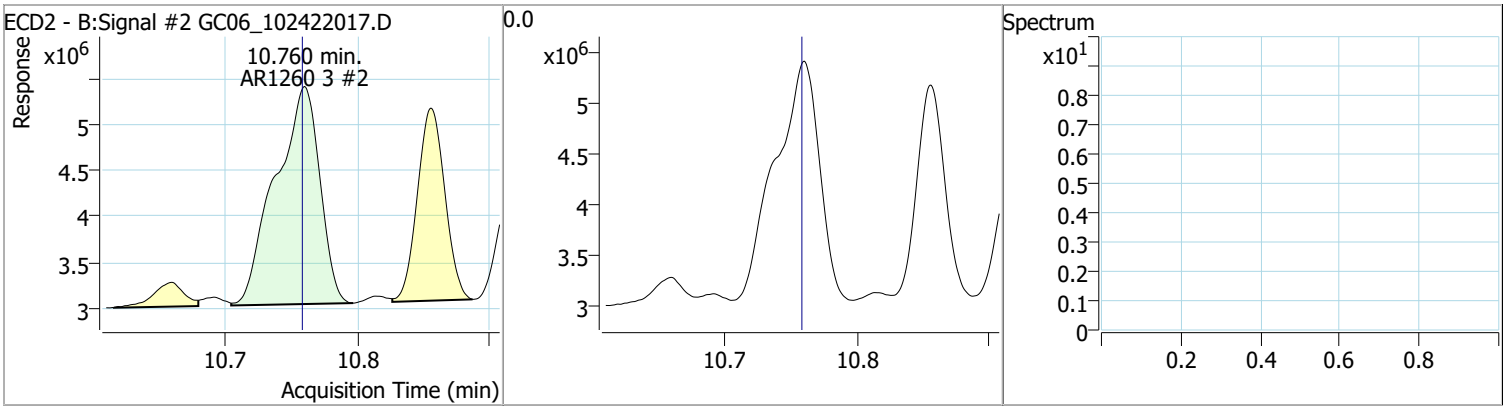
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	253.7799	10.34	0.00	4465148				



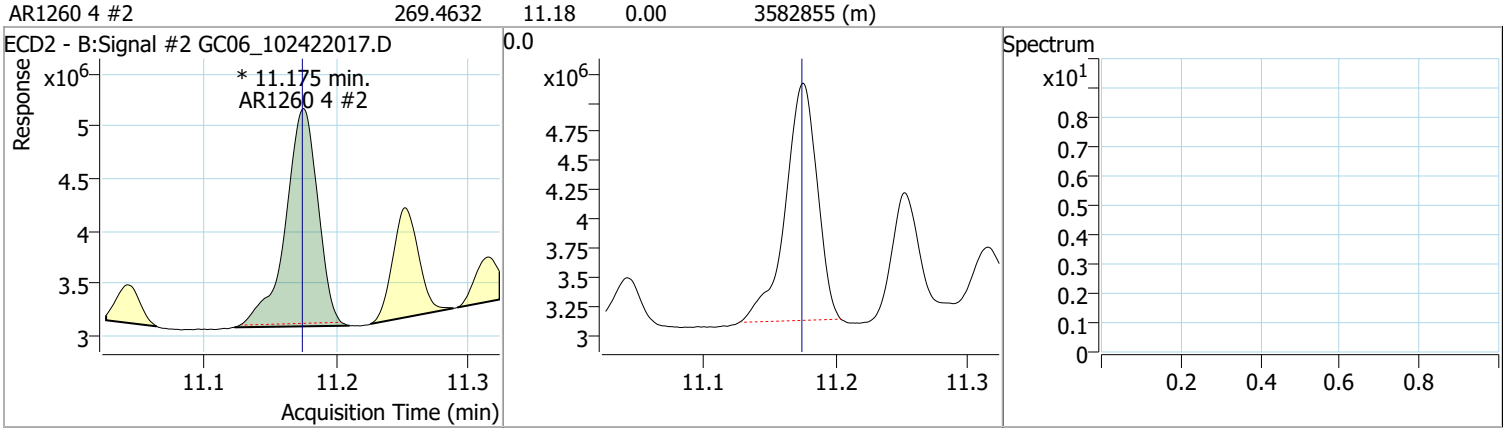
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	272.1624	10.58	0.00	2108588				



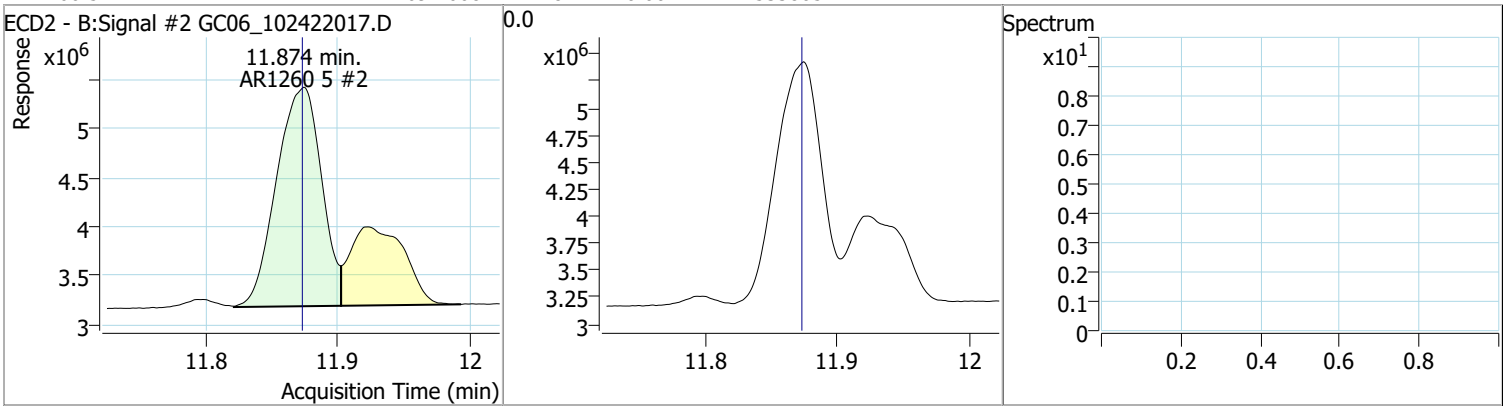
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	250.6144	10.76	0.00	5581397				



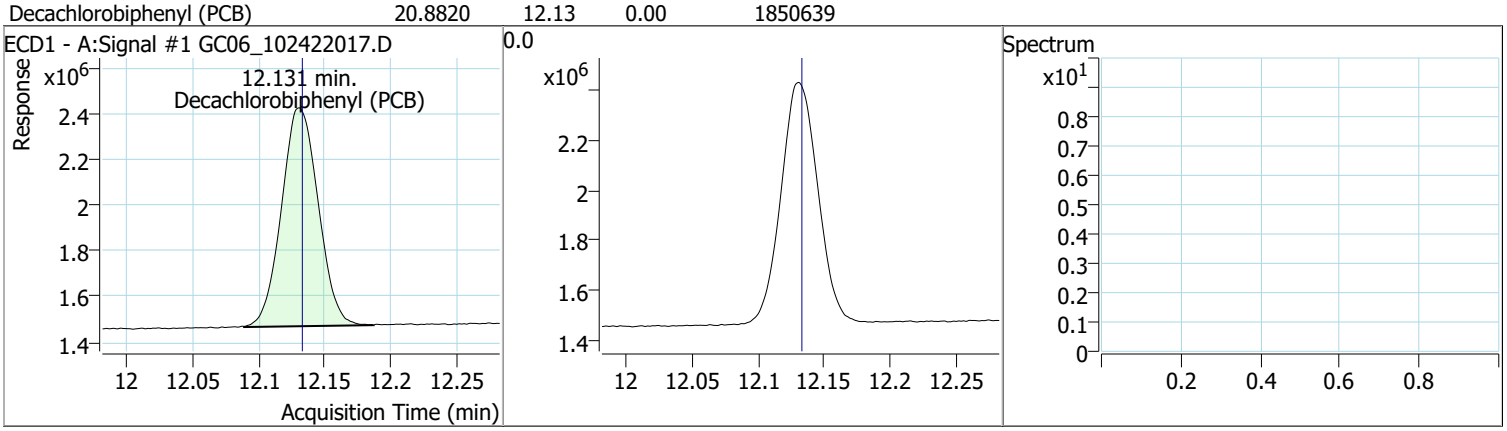
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	269.4632	11.18	0.00	3582855 (m)				



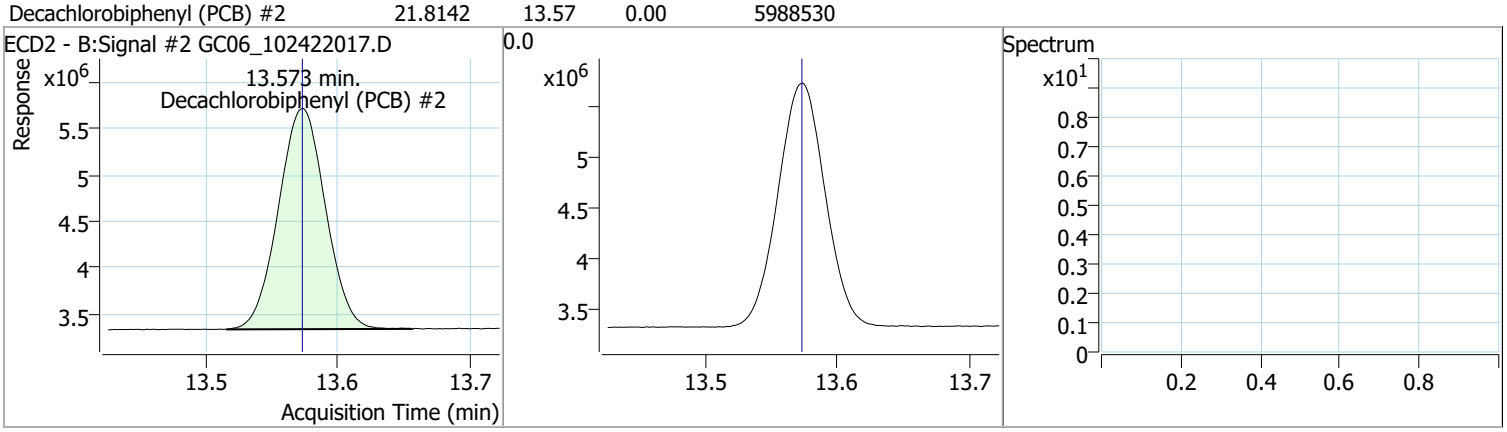
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	269.7608	11.87	0.00	5338057				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	20.8820	12.13	0.00	1850639				

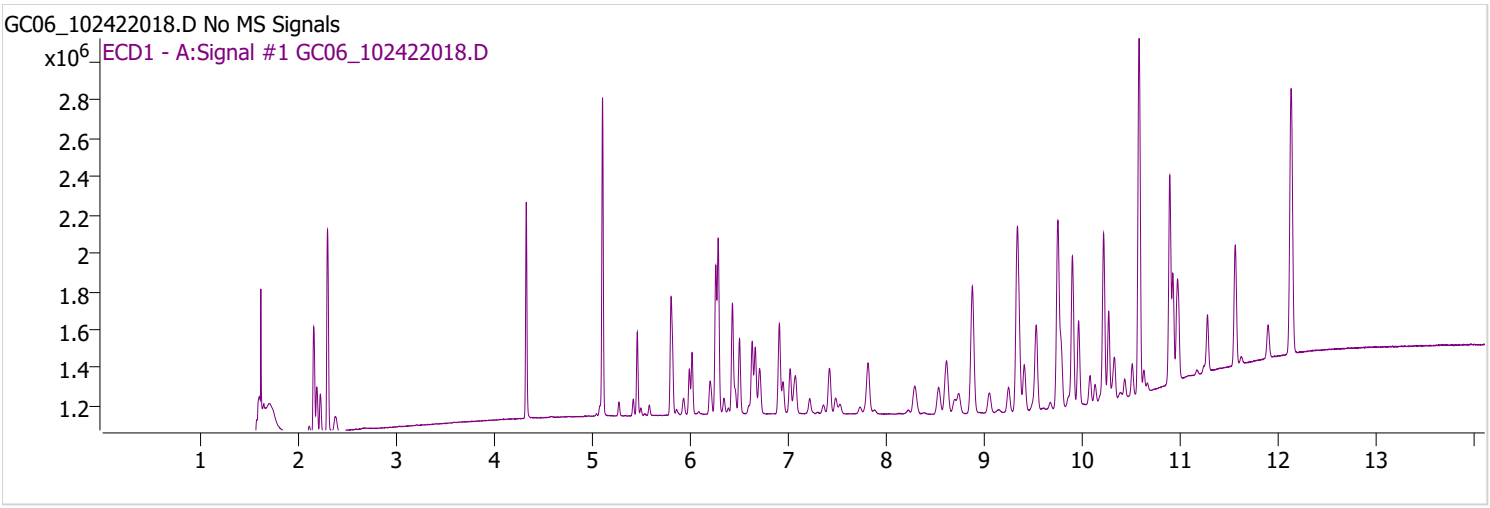


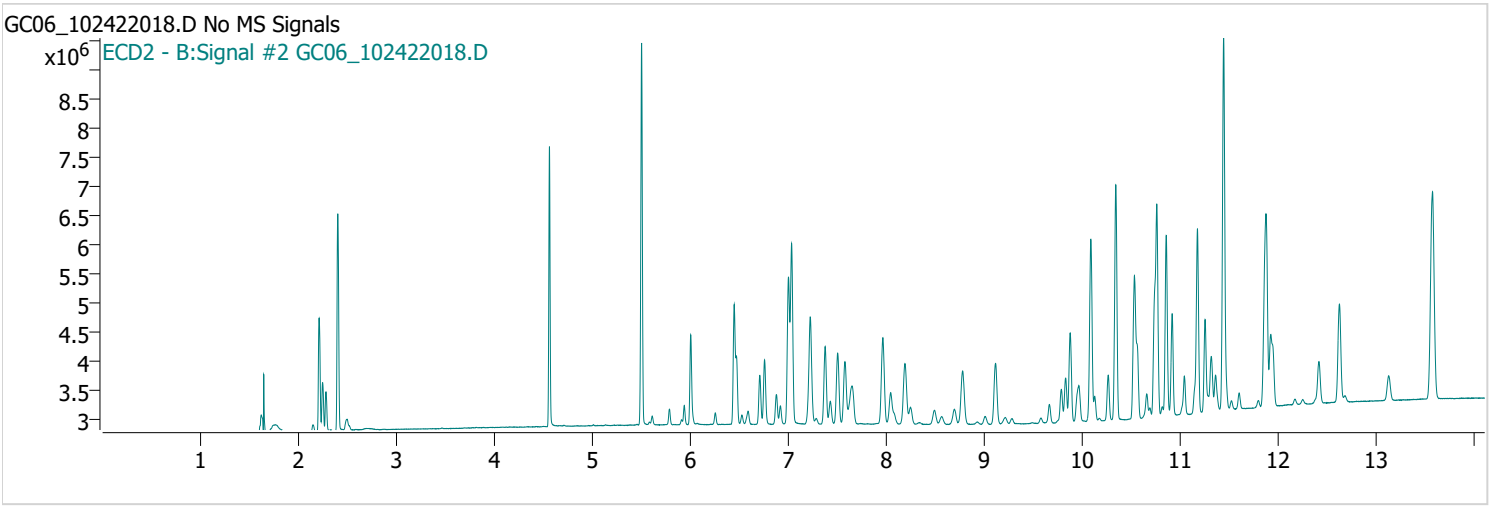
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	21.8142	13.57	0.00	5988530				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422018.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 6:38:01 PM
Sample Name	ICAL, S17267	Instrument	SVOA-GC06
Vial	15	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



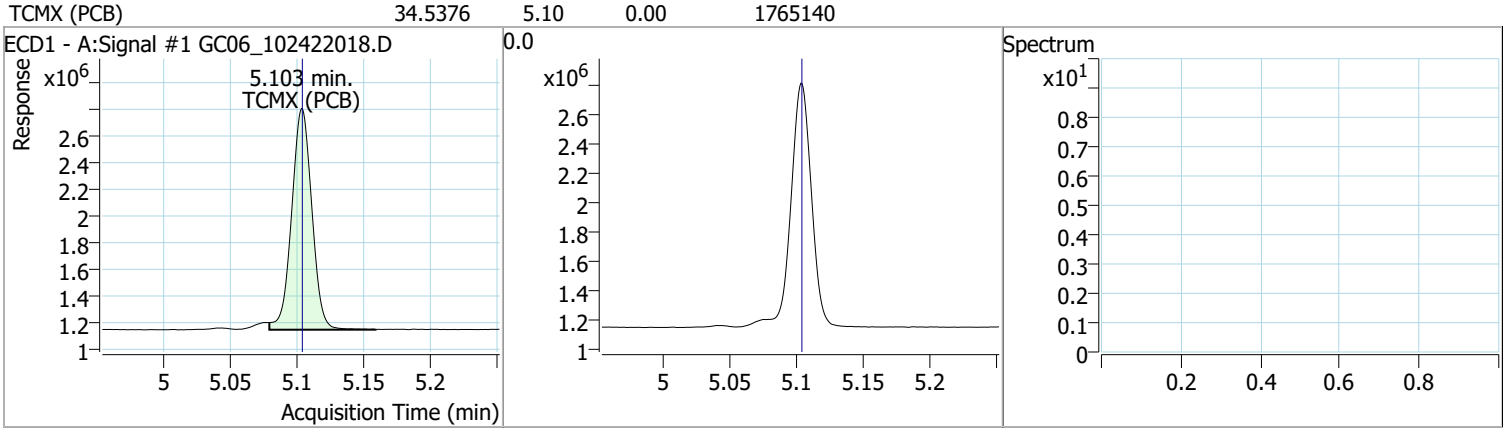


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1063014.245	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	4327999.304	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	1765140.014	34.5376	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 172.69%		*	
S TCMX (PCB) #2	5.503	0.0	7185282.107	34.5695	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 172.85%		*	
S Decachlorobiphenyl (PCB)	12.132	0.0	2792824.739	39.0257	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 195.13%		*	
S Decachlorobiphenyl (PCB) #2	13.575	0.0	9183894.715	39.6055	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.03%		*	
Target Compounds							QValue

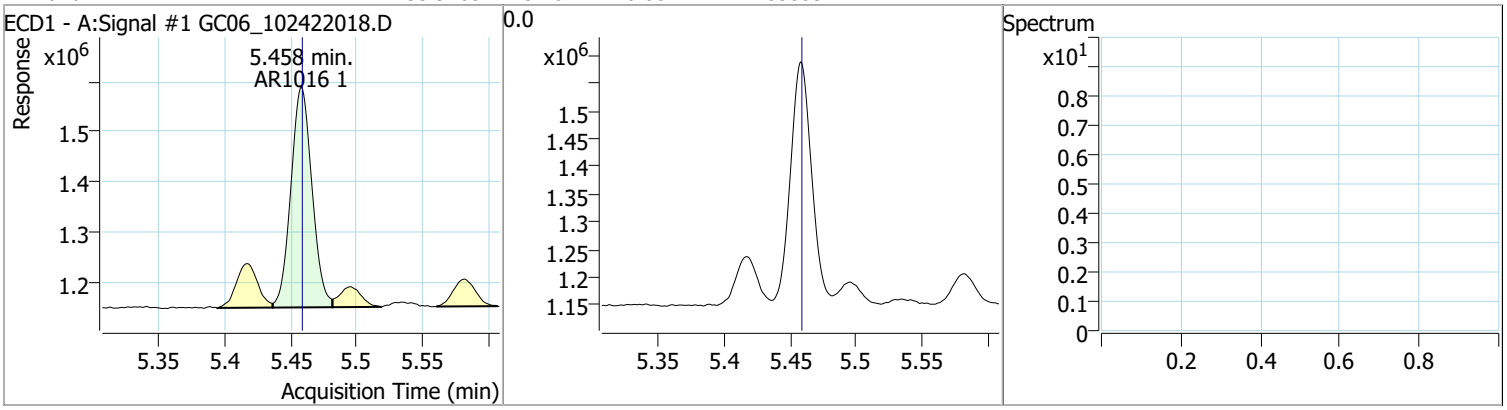
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.458	0.0	485852.867	435.9403	ng/ml		100
T AR1016 2	5.803	0.0	1068389.956	466.7356	ng/ml		100
T AR1016 1 #2	6.003	0.0	2046877.373	455.0453	ng/ml		100
T AR1016 3	6.283	0.0	1246552.904	441.1492	ng/ml		100
T AR1016 4	6.430	0.0	958287.349	445.8988	ng/ml		100
T AR1016 2 #2	6.448	0.0	2839339.245	437.2699	ng/ml	m	100
T AR1016 5	6.908	0.0	776873.262	448.7957	ng/ml		100
T AR1016 3 #2	7.033	0.0	5153170.052	436.7672	ng/ml		100
T AR1016 4 #2	7.223	0.0	3762341.264	446.6742	ng/ml		100
T AR1016 5 #2	7.965	0.0	3081651.312	450.0997	ng/ml		100
T AR1260 1	8.878	0.0	1535144.810	427.1323	ng/ml		100
T AR1260 2	9.338	0.0	2395142.001	437.2290	ng/ml		100
T AR1260 3	9.752	0.0	2465753.437	430.6459	ng/ml		100
T AR1260 1 #2	10.088	0.0	5518695.670	428.4678	ng/ml		100
T AR1260 4	10.218	0.0	1491017.295	477.5929	ng/ml		100
T AR1260 2 #2	10.342	0.0	6578337.875	425.0754	ng/ml		100
T AR1260 5	10.581	0.0	3129643.582	472.8847	ng/ml		100
T AR1260 3 #2	10.760	0.0	8315695.484	424.5121	ng/ml		100
T AR1260 4 #2	11.176	0.0	5439717.782	482.3064	ng/ml		100
T AR1260 5 #2	11.875	0.0	8037599.403	475.0785	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

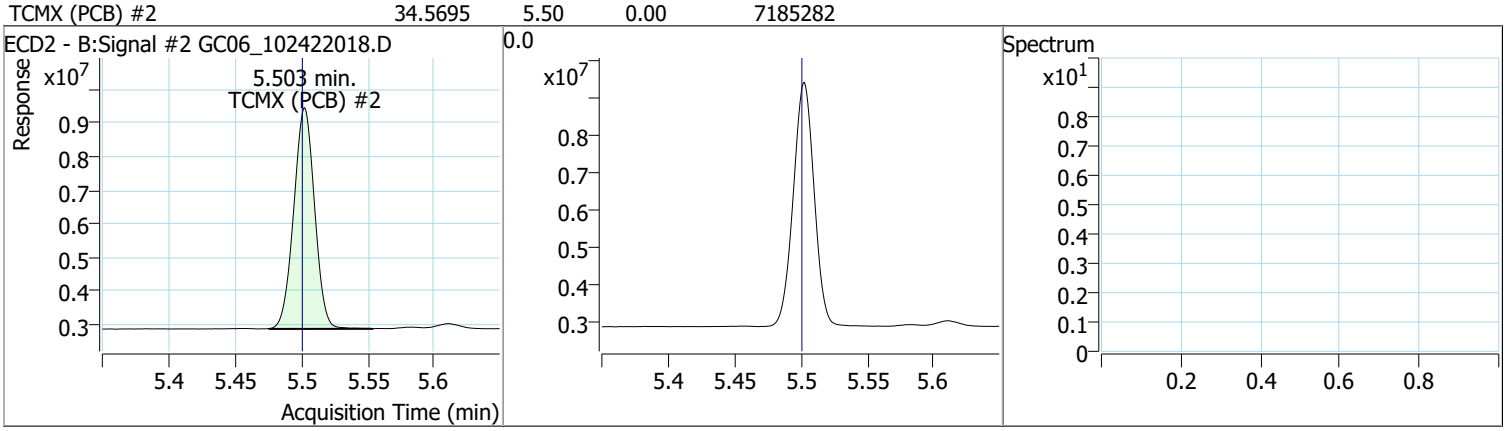
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	34.5376	5.10	0.00	1765140				



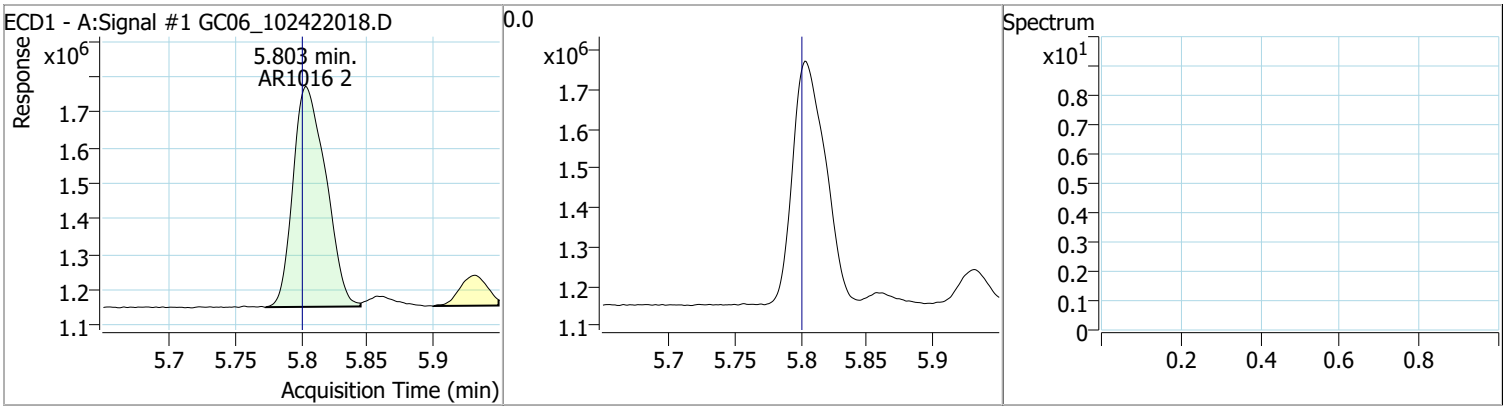
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	435.9403	5.46	0.00	485853				



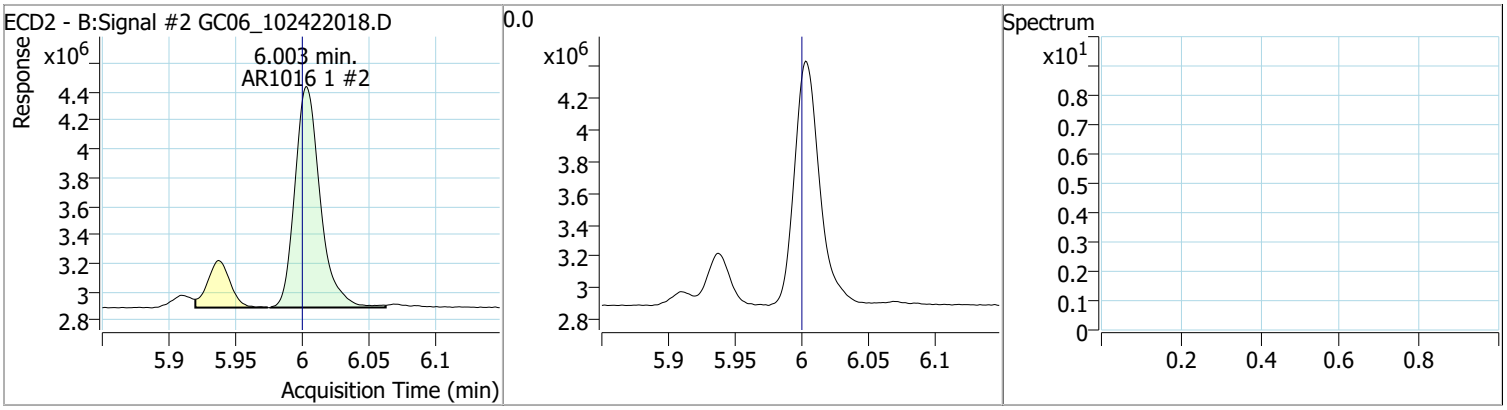
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	34.5695	5.50	0.00	7185282				



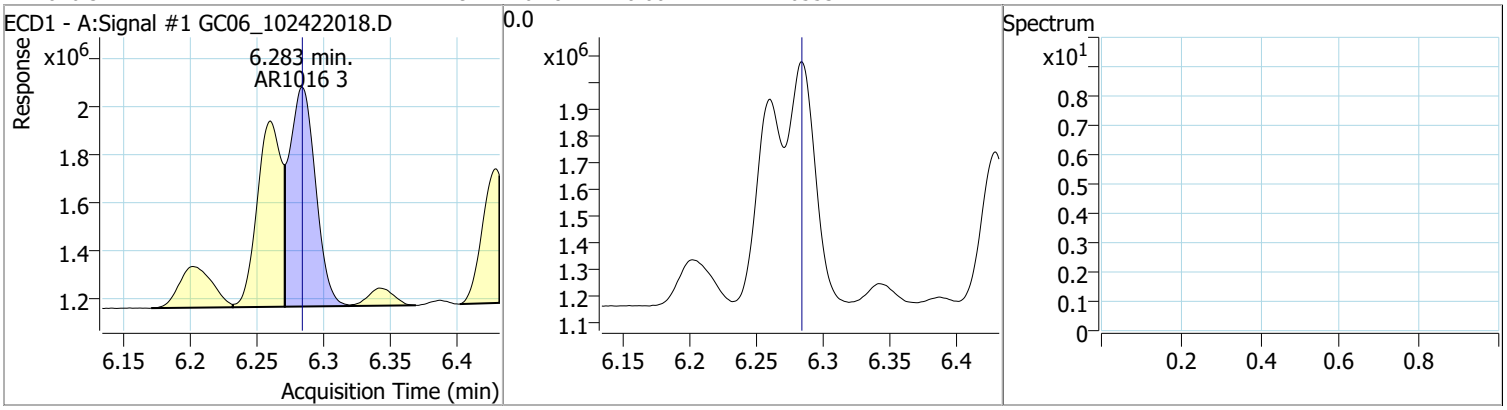
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	466.7356	5.80	0.00	1068390				



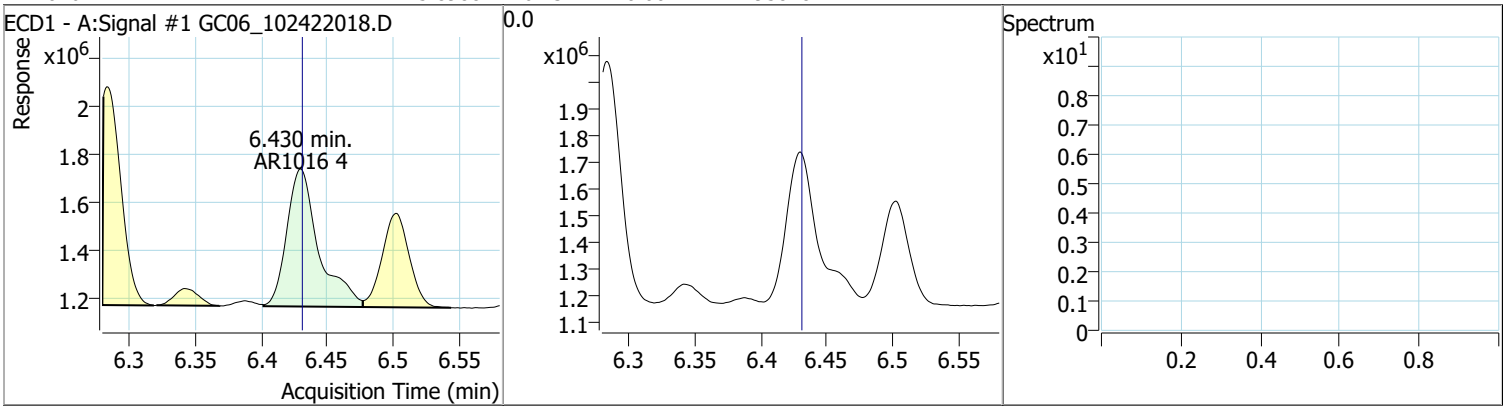
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	455.0453	6.00	0.00	2046877				



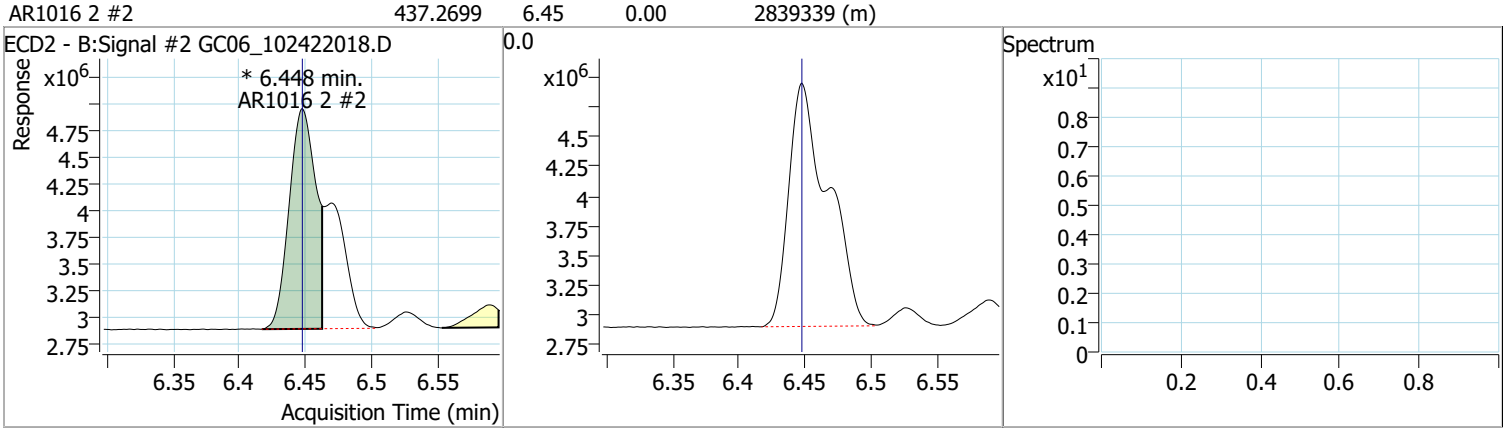
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	441.1492	6.28	0.00	1246553				



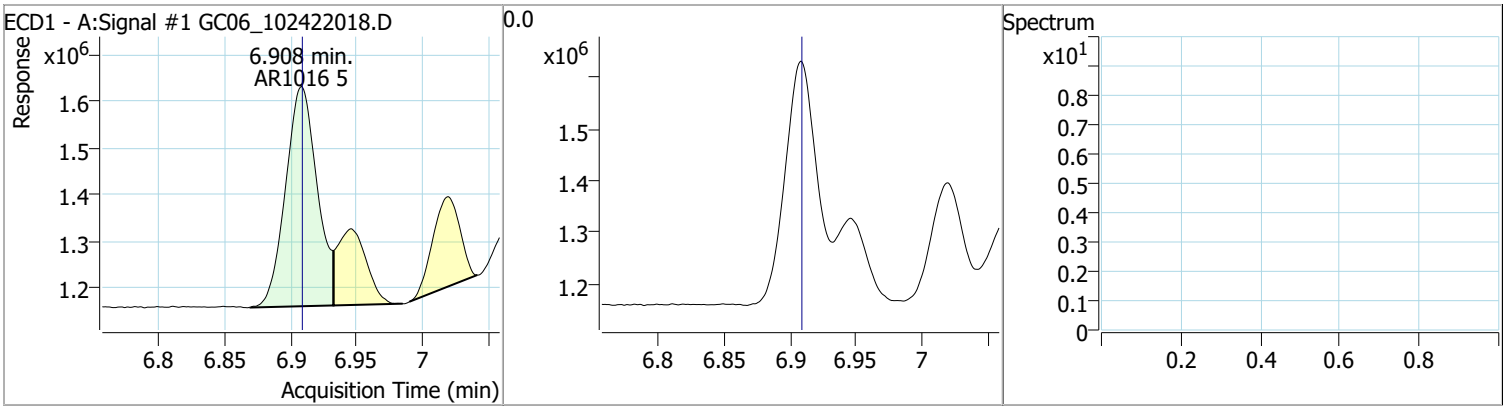
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	445.8988	6.43	0.00	958287				



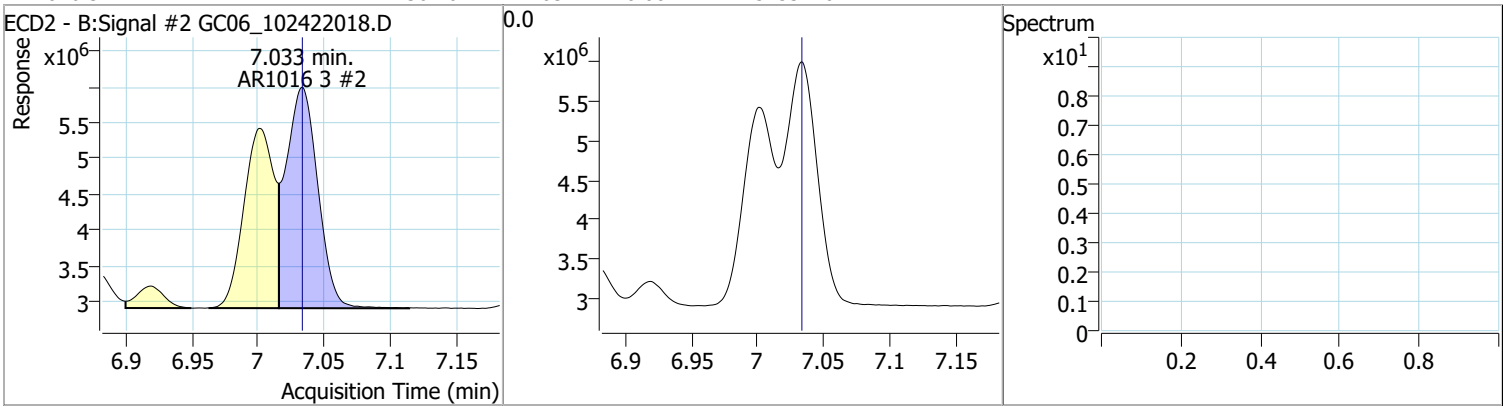
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	437.2699	6.45	0.00	2839339 (m)				



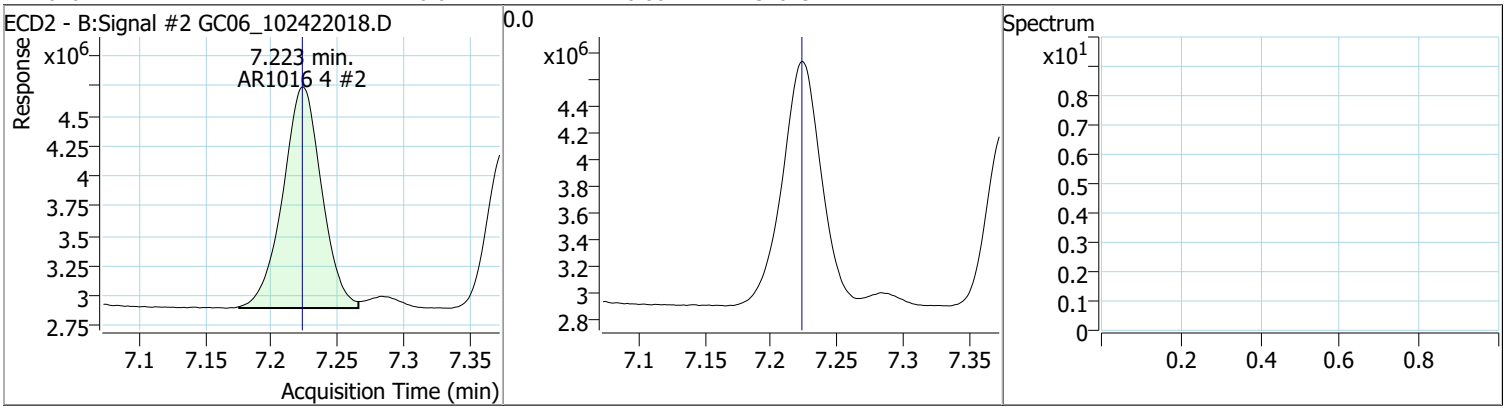
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	448.7957	6.91	0.00	776873				



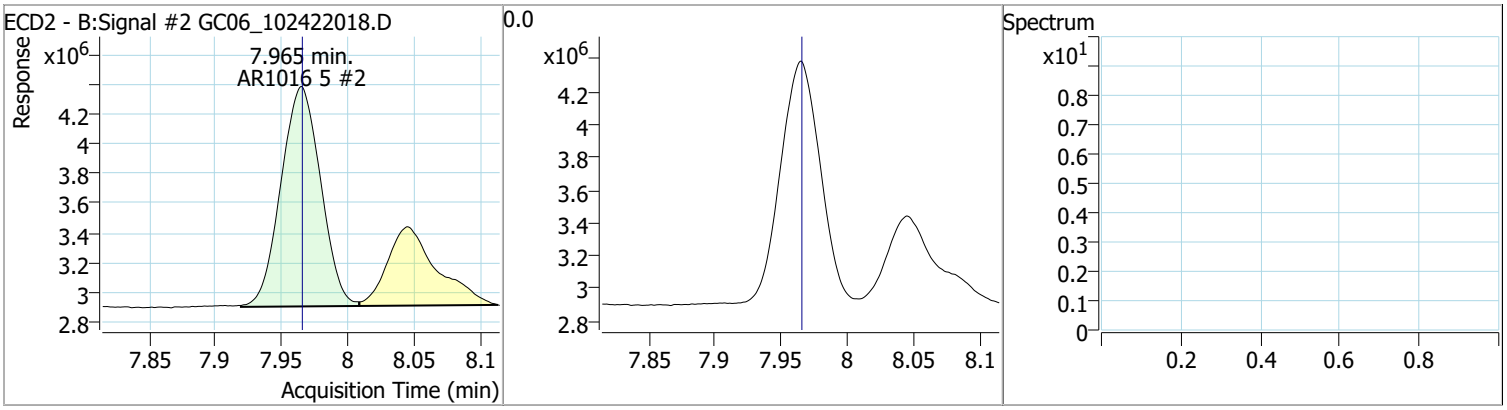
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	436.7672	7.03	0.00	5153170				



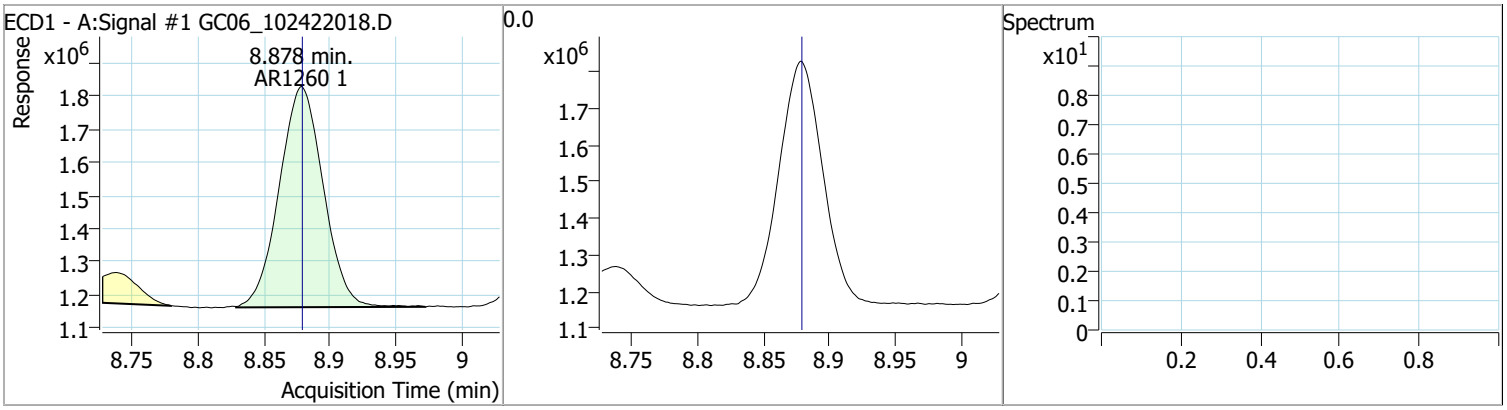
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	446.6742	7.22	0.00	3762341				



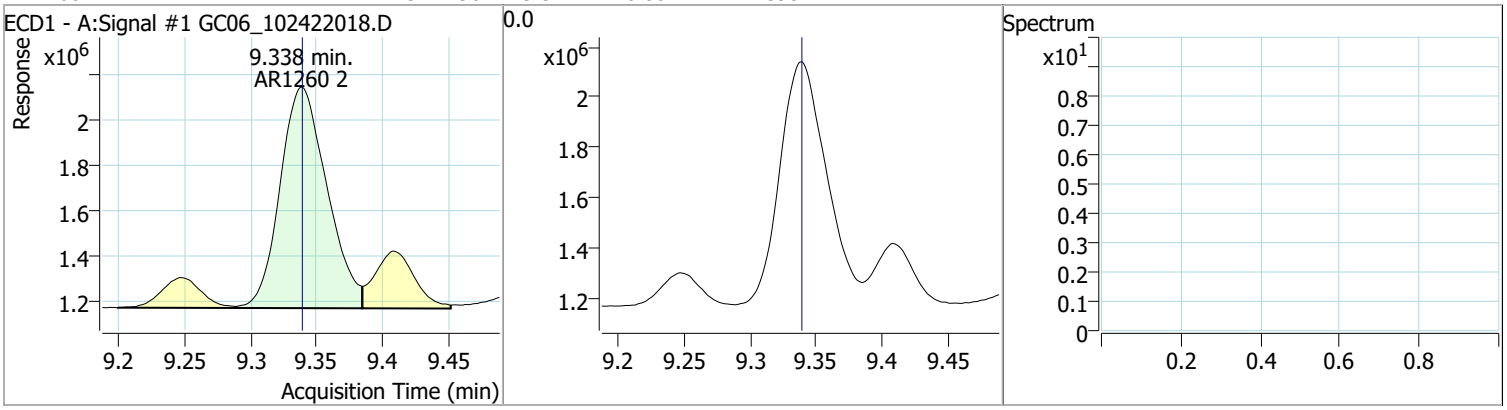
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	450.0997	7.97	0.00	3081651				



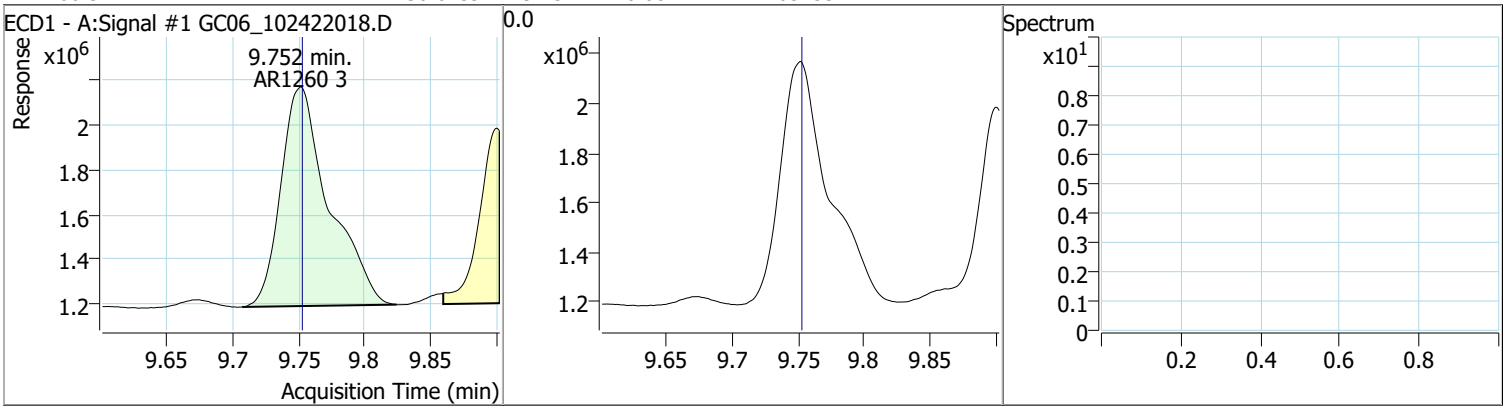
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	427.1323	8.88	0.00	1535145				



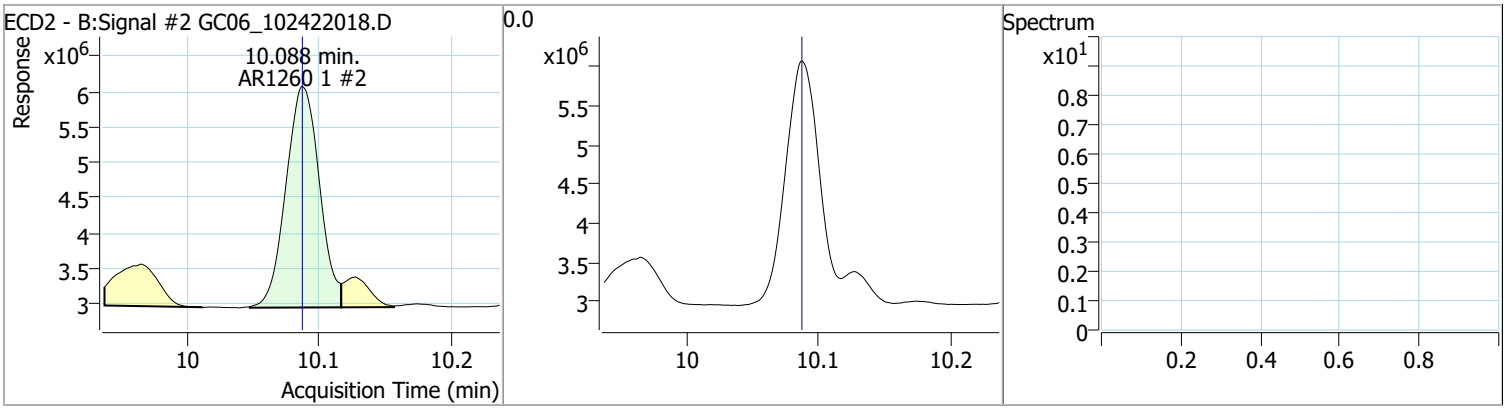
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	437.2290	9.34	0.00	2395142				



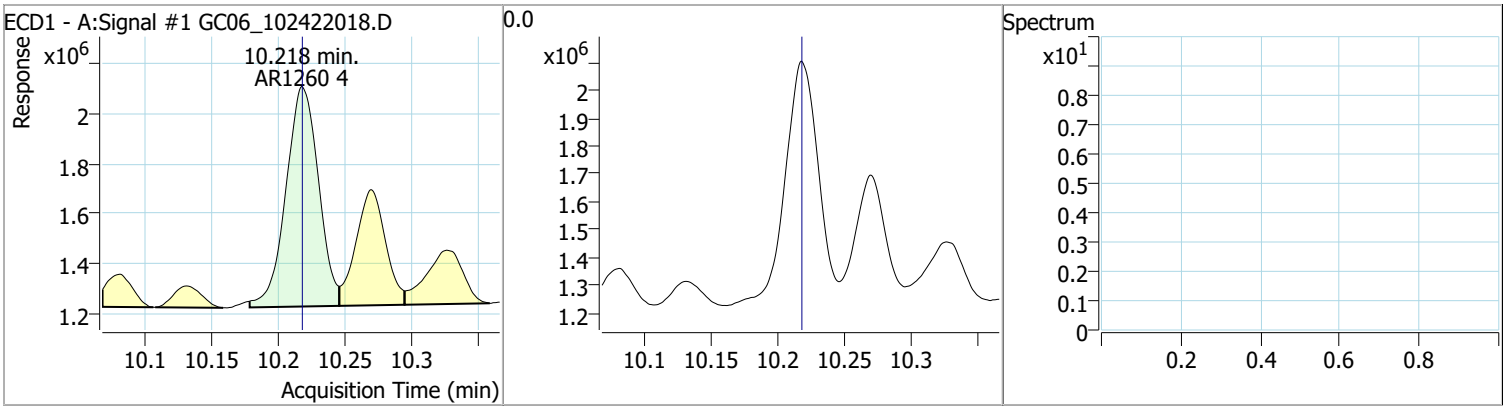
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	430.6459	9.75	0.00	2465753				



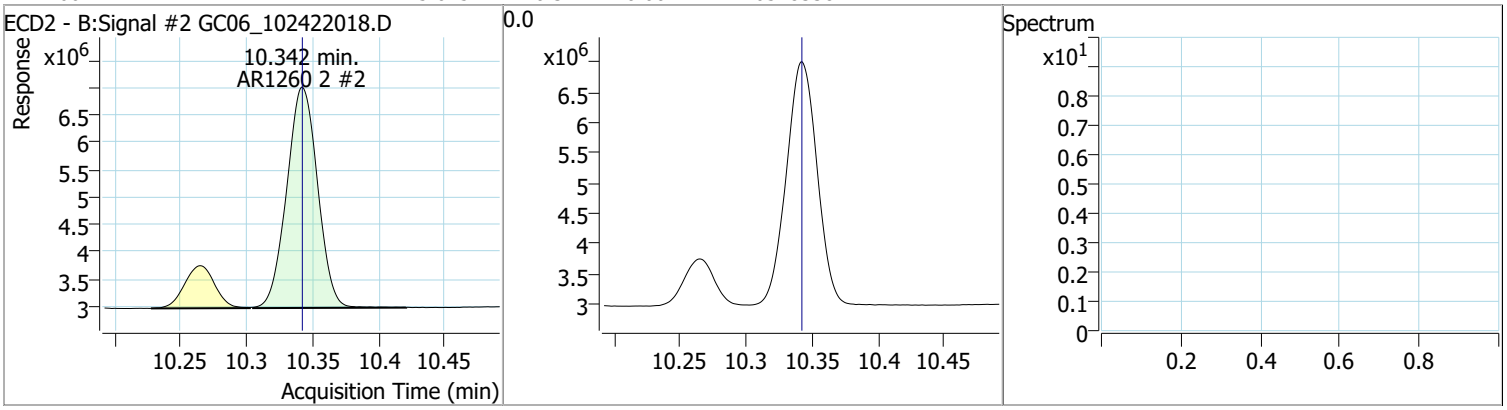
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	428.4678	10.09	0.00	5518696				



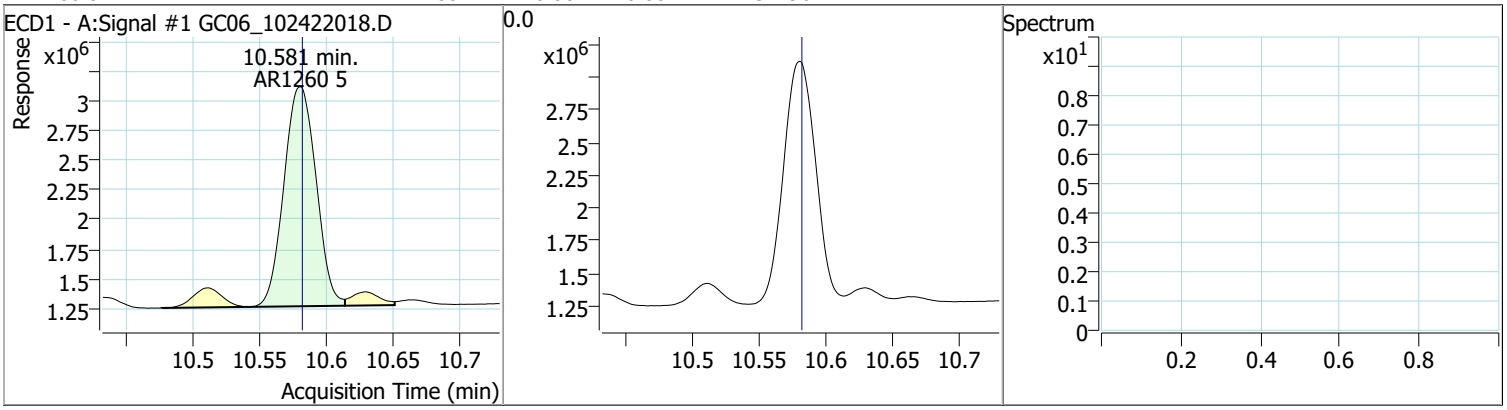
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	477.5929	10.22	0.00	1491017				



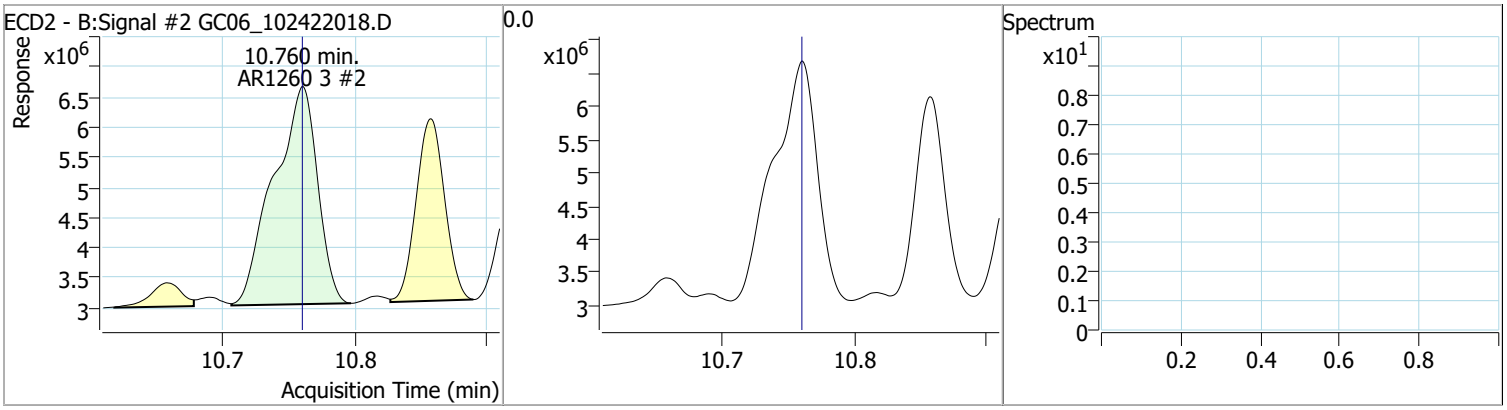
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	425.0754	10.34	0.00	6578338				



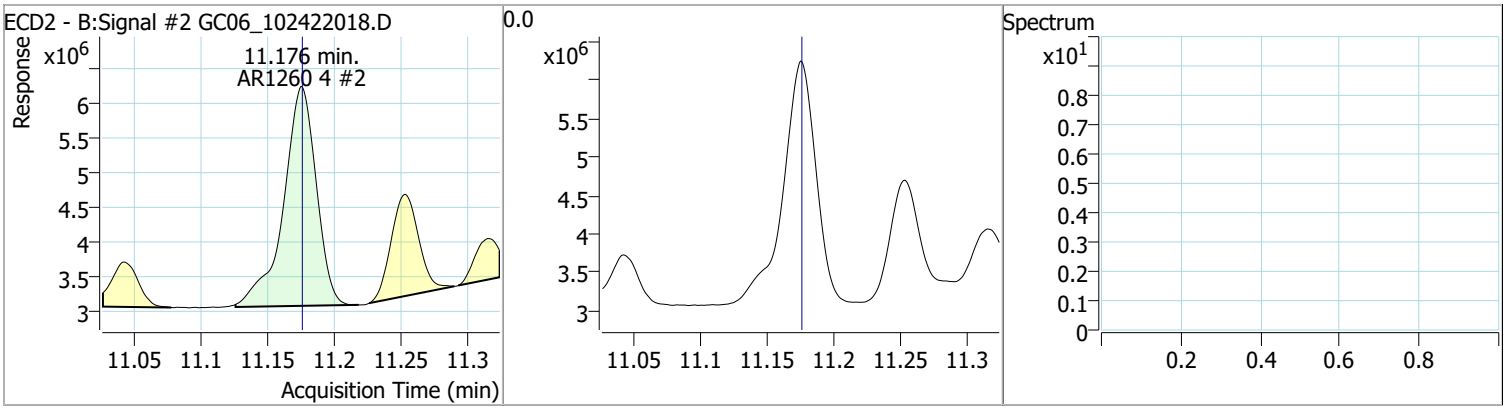
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	472.8847	10.58	0.00	3129644				



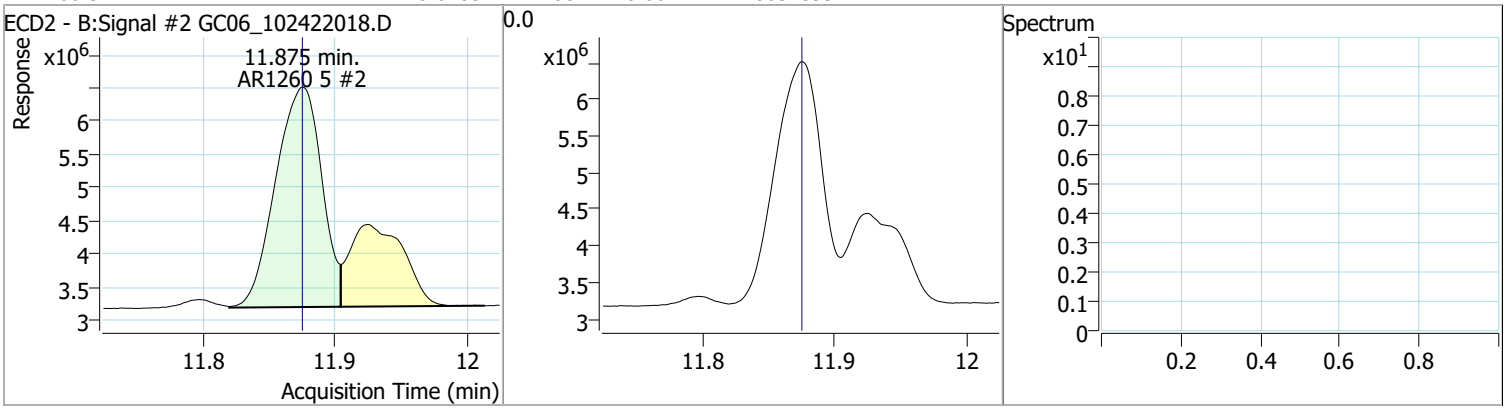
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	424.5121	10.76	0.00	8315695				



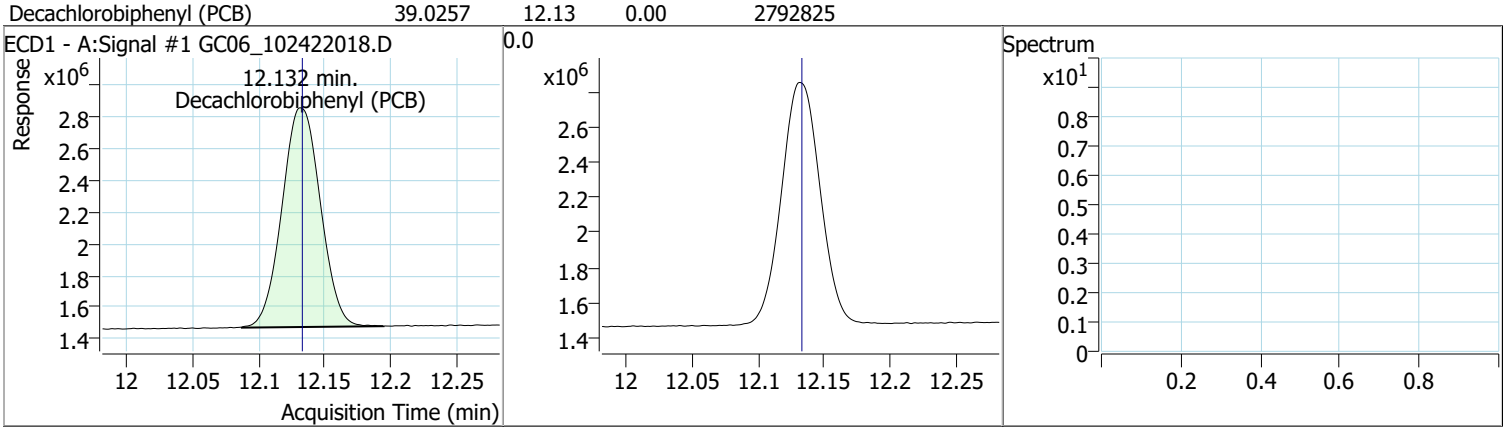
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	482.3064	11.18	0.00	5439718				



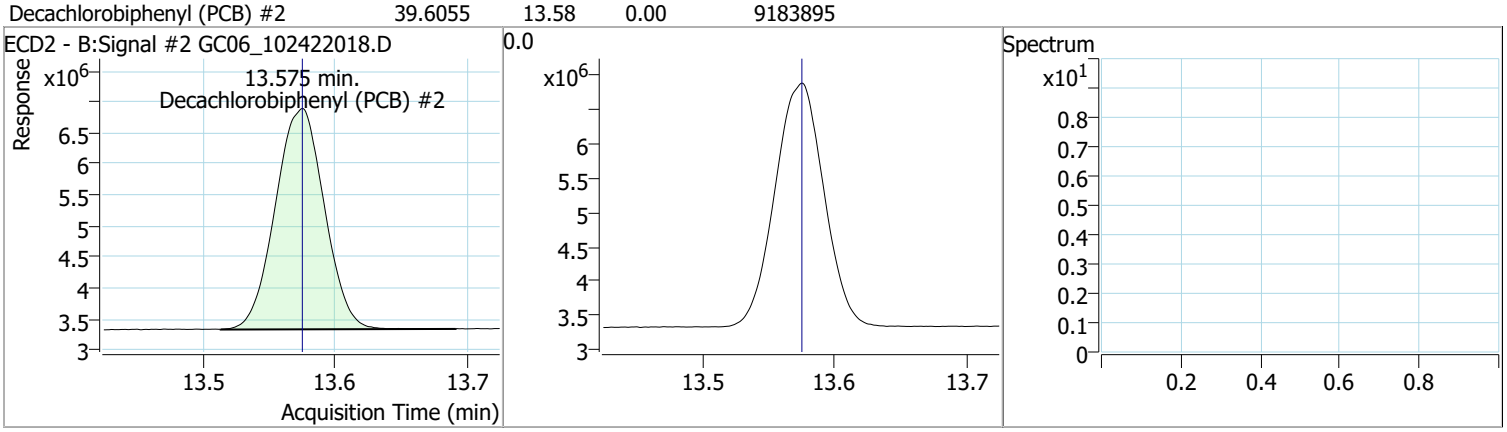
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	475.0785	11.88	0.00	8037599				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.0257	12.13	0.00	2792825				

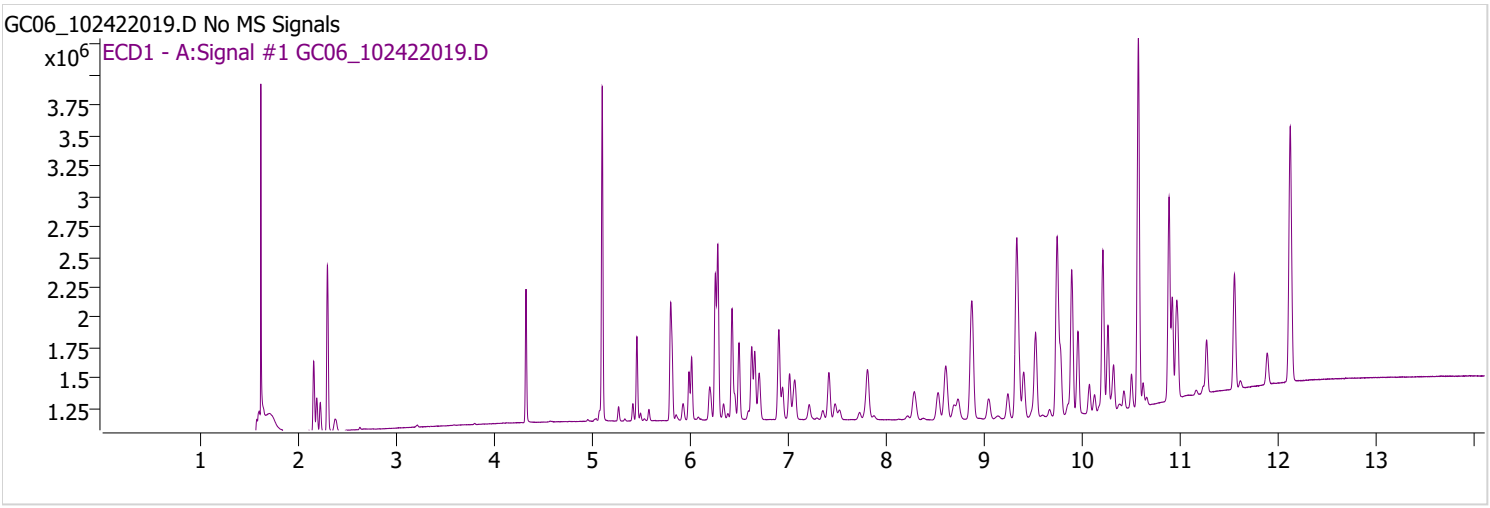


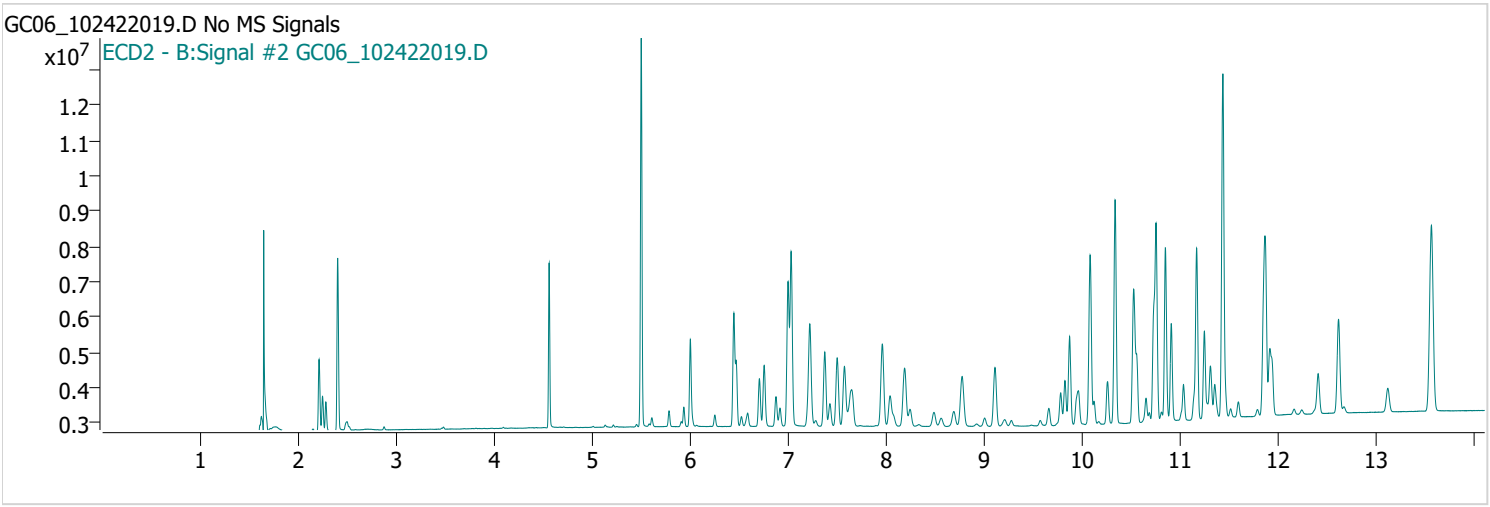
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	39.6055	13.58	0.00	9183895				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422019.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 6:55:57 PM
Sample Name	ICAL, S17268	Instrument	SVOA-GC06
Vial	16	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



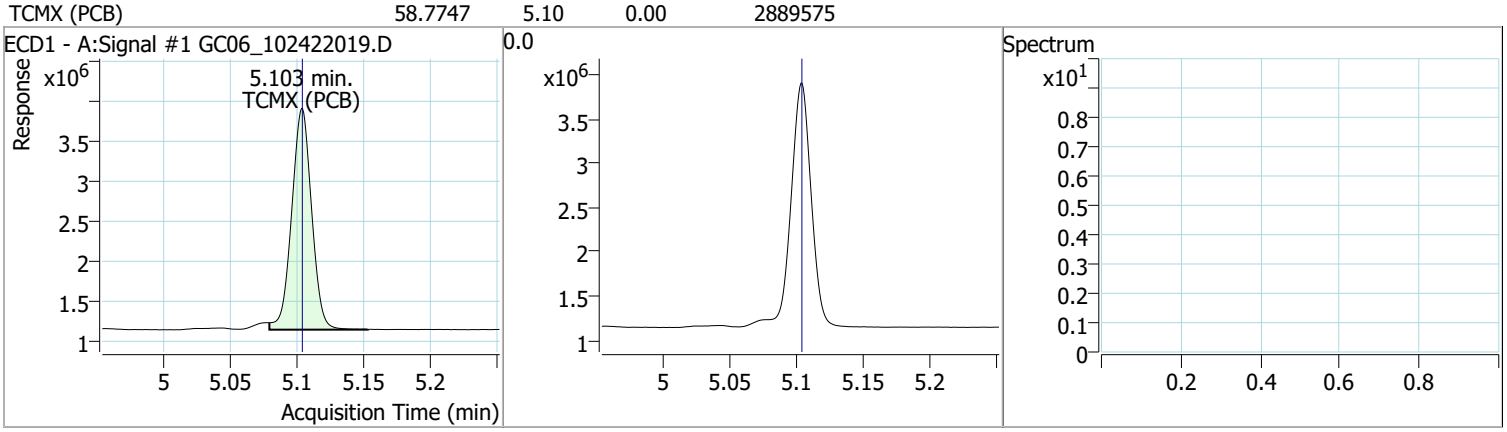


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1022576.576	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	4174033.845	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	2889575.318	58.7747	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 293.87%		*	
S TCMX (PCB) #2	5.502	0.0	12018447.242	59.9555	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 299.78%		*	
S Decachlorobiphenyl (PCB)	12.131	0.0	4087132.062	61.6234	ng/ml	m	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 308.12%		*	
S Decachlorobiphenyl (PCB) #2	13.573	0.0	13554343.443	61.7298	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 308.65%		*	
Target Compounds							QValue

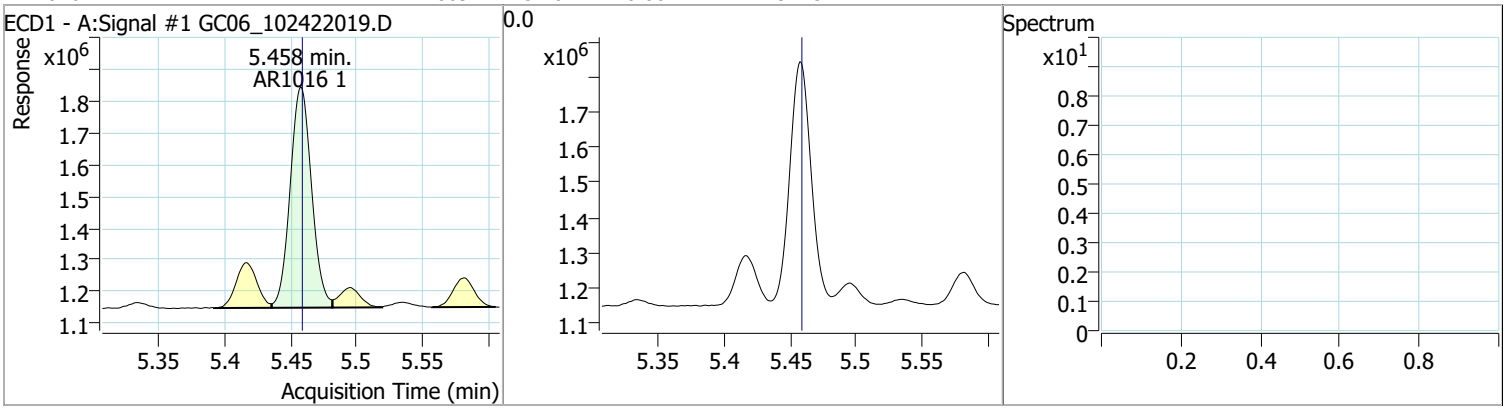
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.458	0.0	779425.049	727.0091	ng/ml		100
T AR1016 2	5.803	0.0	1697508.479	780.9261	ng/ml		100
T AR1016 1 #2	6.003	0.0	3250519.385	749.2846	ng/ml		100
T AR1016 3	6.284	0.0	1999248.159	735.5035	ng/ml		100
T AR1016 4	6.430	0.0	1529918.274	740.0346	ng/ml		100
T AR1016 2 #2	6.448	0.0	4584883.612	732.1361	ng/ml	m	100
T AR1016 5	6.908	0.0	1230110.661	738.7304	ng/ml		100
T AR1016 3 #2	7.033	0.0	8226702.311	722.9904	ng/ml		100
T AR1016 4 #2	7.223	0.0	5998163.664	738.3839	ng/ml		100
T AR1016 5 #2	7.964	0.0	4908449.359	743.3626	ng/ml		100
T AR1260 1	8.878	0.0	2377973.108	687.8018	ng/ml	m	100
T AR1260 2	9.338	0.0	3608366.991	684.7493	ng/ml		100
T AR1260 3	9.750	0.0	3823910.537	694.2591	ng/ml		100
T AR1260 1 #2	10.087	0.0	8619738.178	693.9161	ng/ml		100
T AR1260 4	10.218	0.0	2291687.481	772.3166	ng/ml		100
T AR1260 2 #2	10.342	0.0	10189046.973	682.6759	ng/ml		100
T AR1260 5	10.579	0.0	4841911.227	771.5470	ng/ml		100
T AR1260 3 #2	10.760	0.0	12934062.436	684.6327	ng/ml		100
T AR1260 4 #2	11.174	0.0	8435663.631	789.9076	ng/ml		100
T AR1260 5 #2	11.873	0.0	12366844.232	769.0388	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

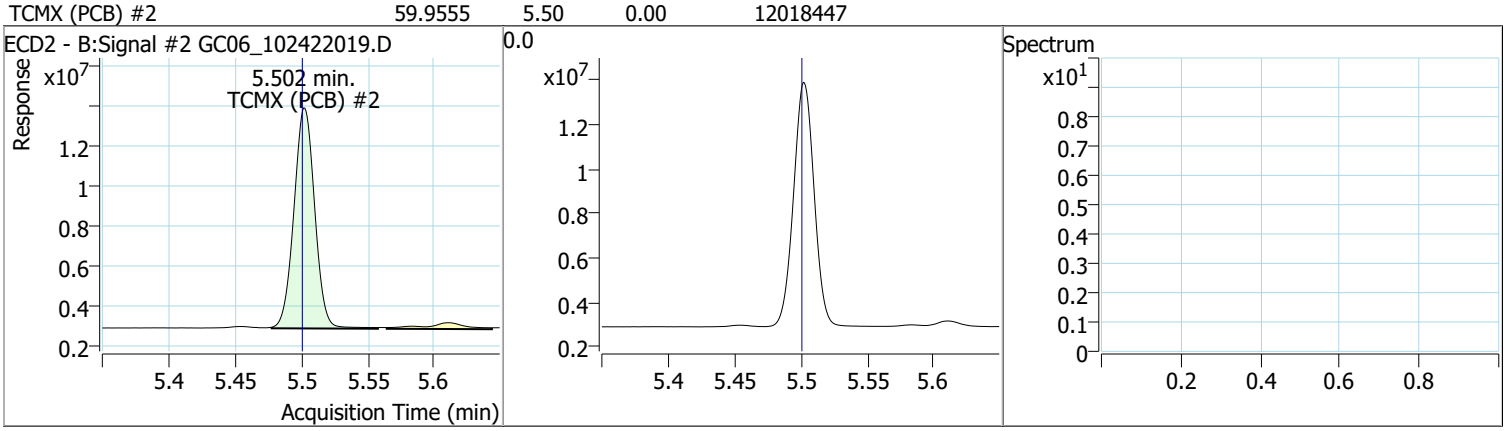
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	58.7747	5.10	0.00	2889575				



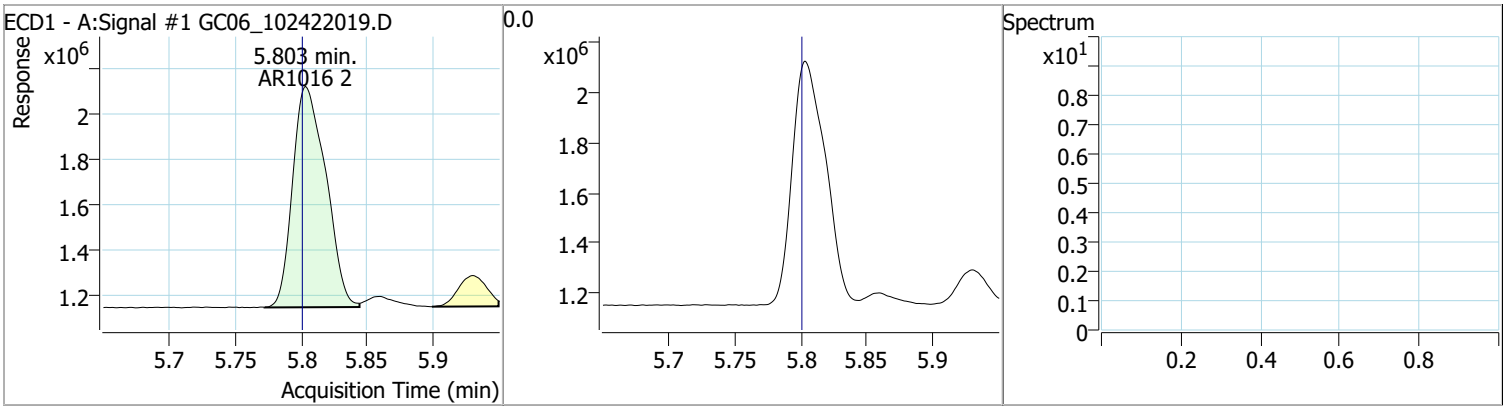
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	727.0091	5.46	0.00	779425				



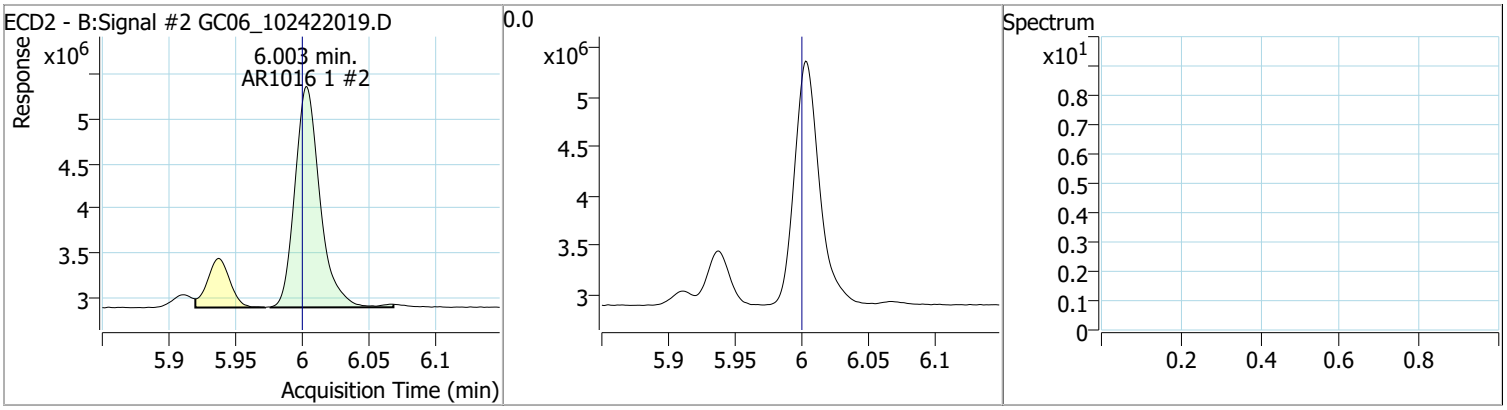
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	59.9555	5.50	0.00	12018447				



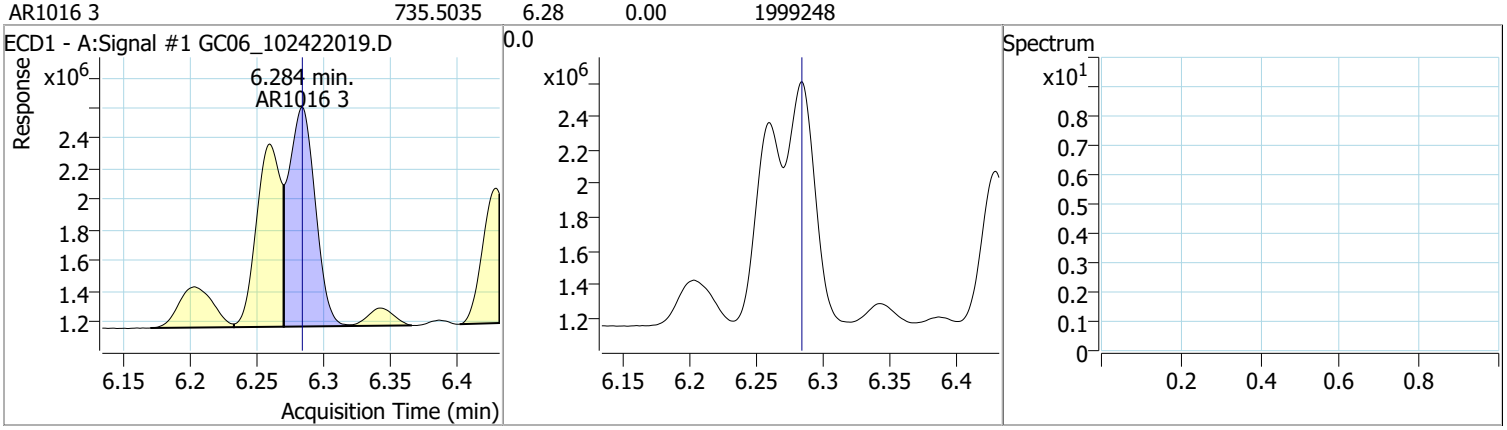
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	780.9261	5.80	0.00	1697508				



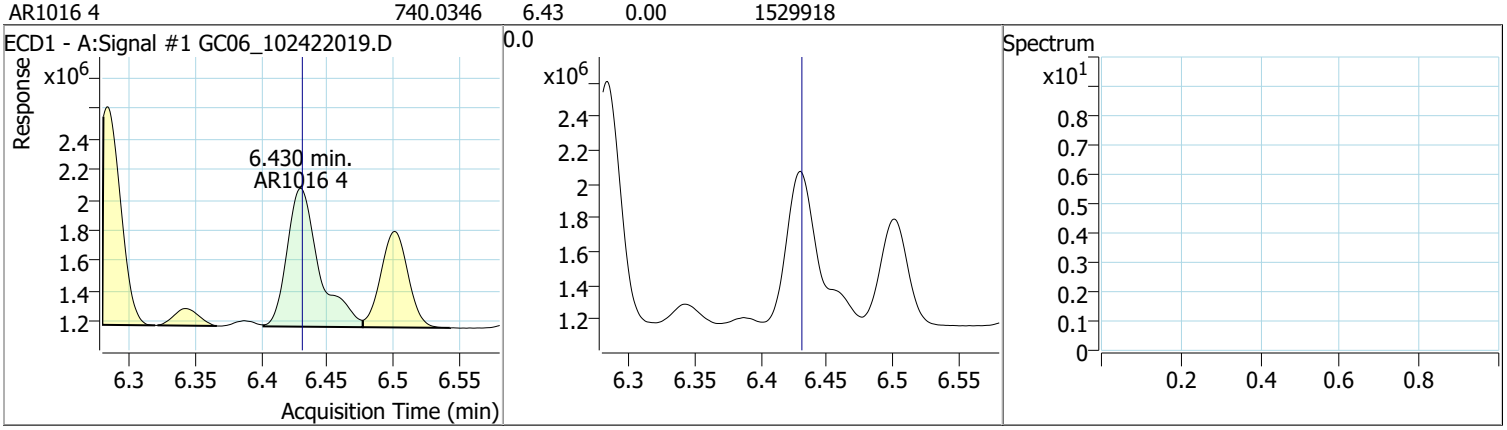
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	749.2846	6.00	0.00	3250519				



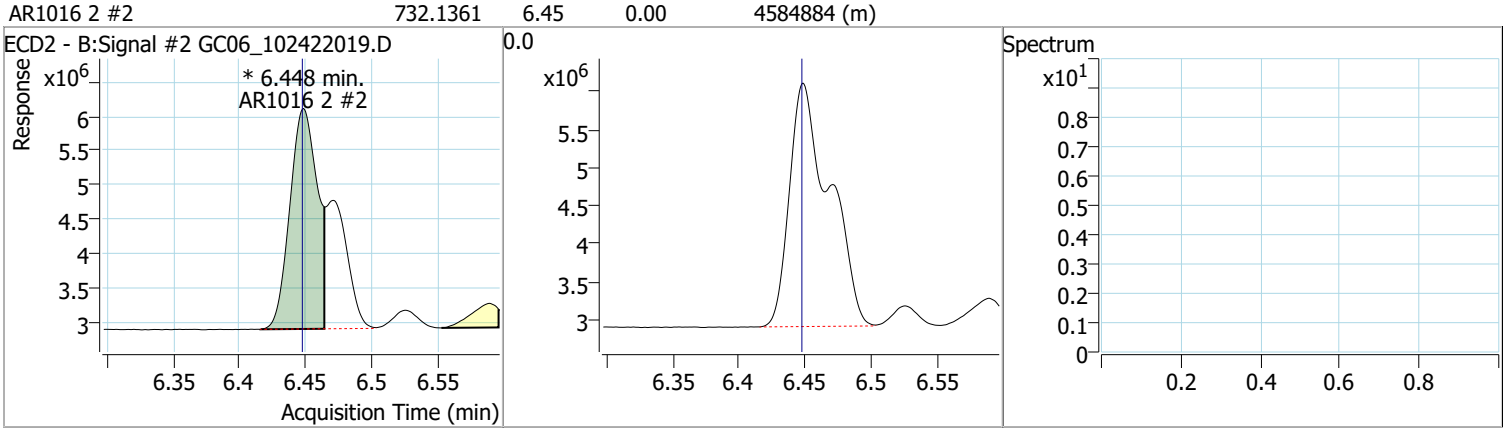
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	735.5035	6.28	0.00	1999248				



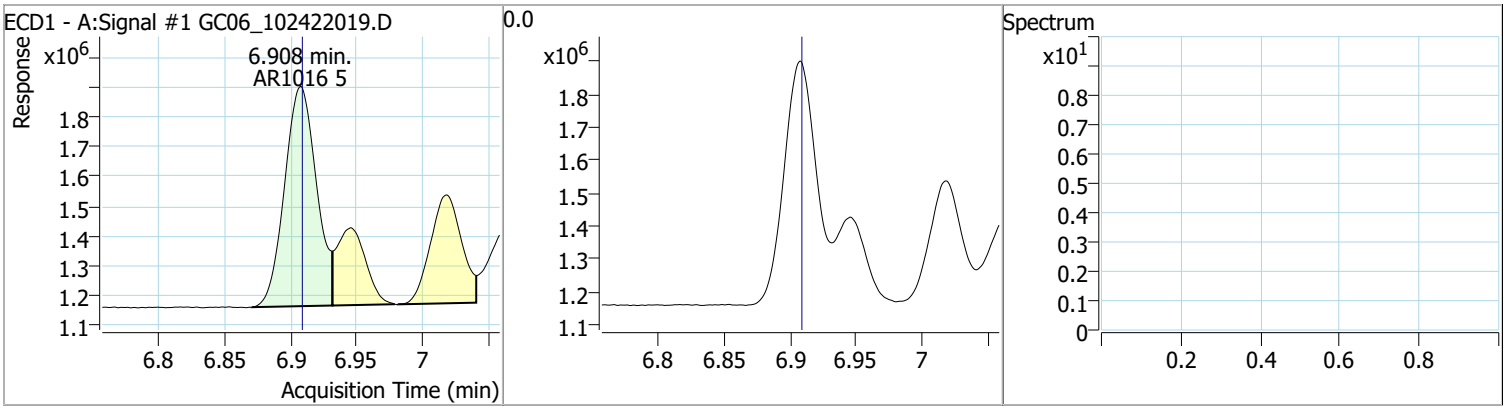
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	740.0346	6.43	0.00	1529918				



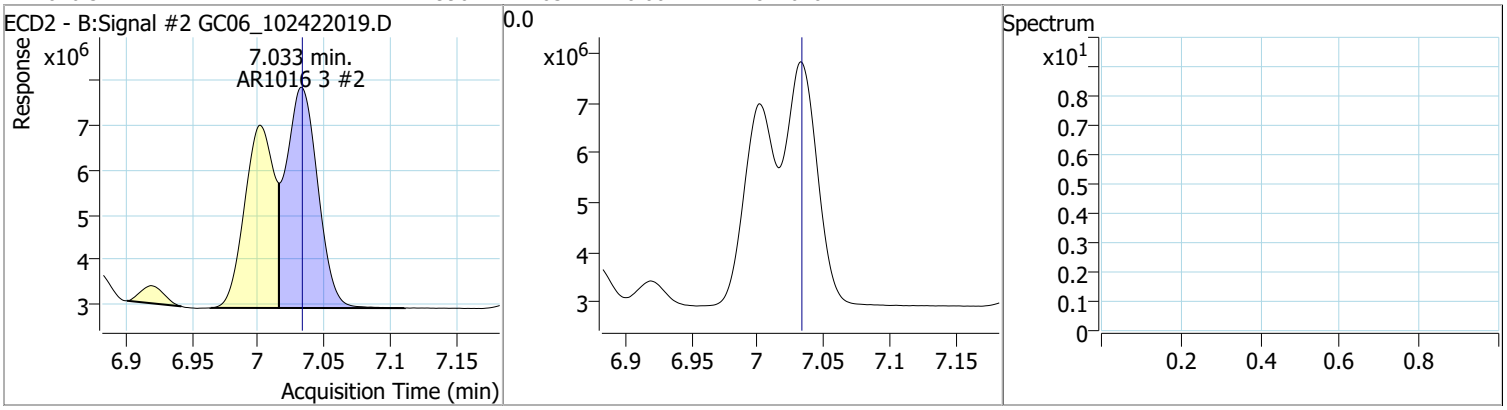
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	732.1361	6.45	0.00	4584884 (m)				



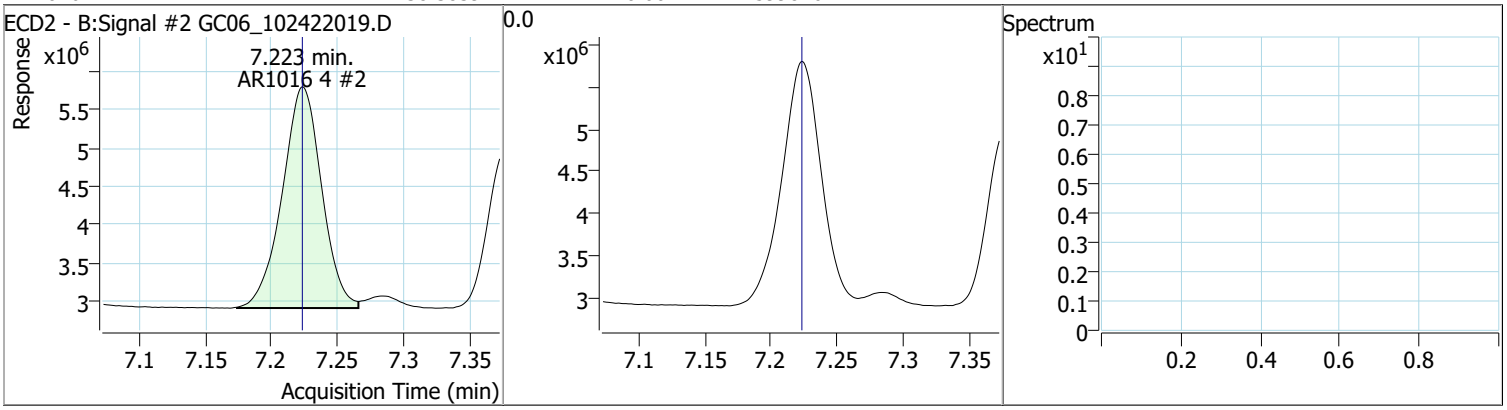
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	738.7304	6.91	0.00	1230111				



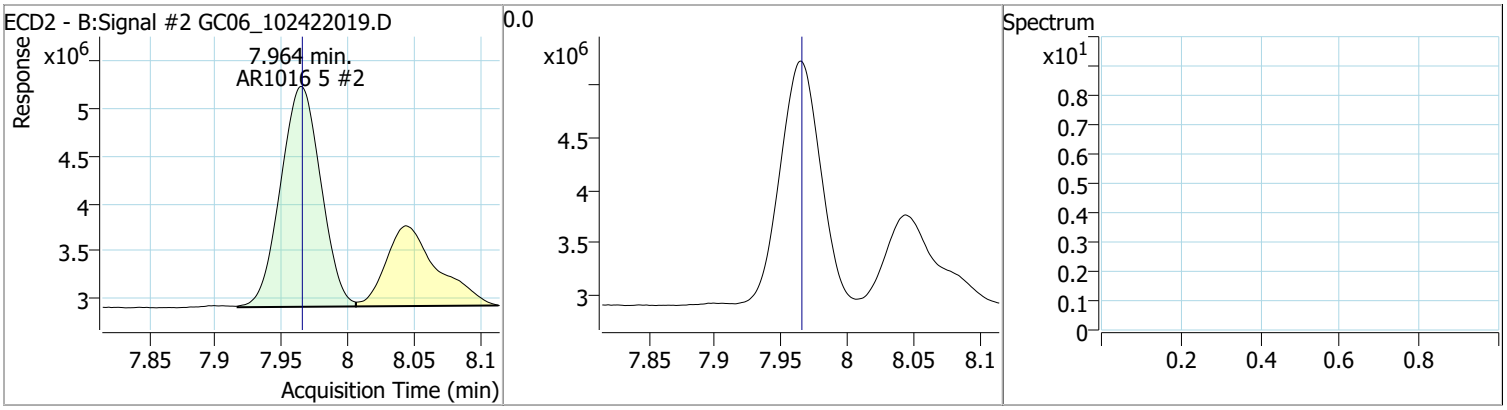
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	722.9904	7.03	0.00	8226702				



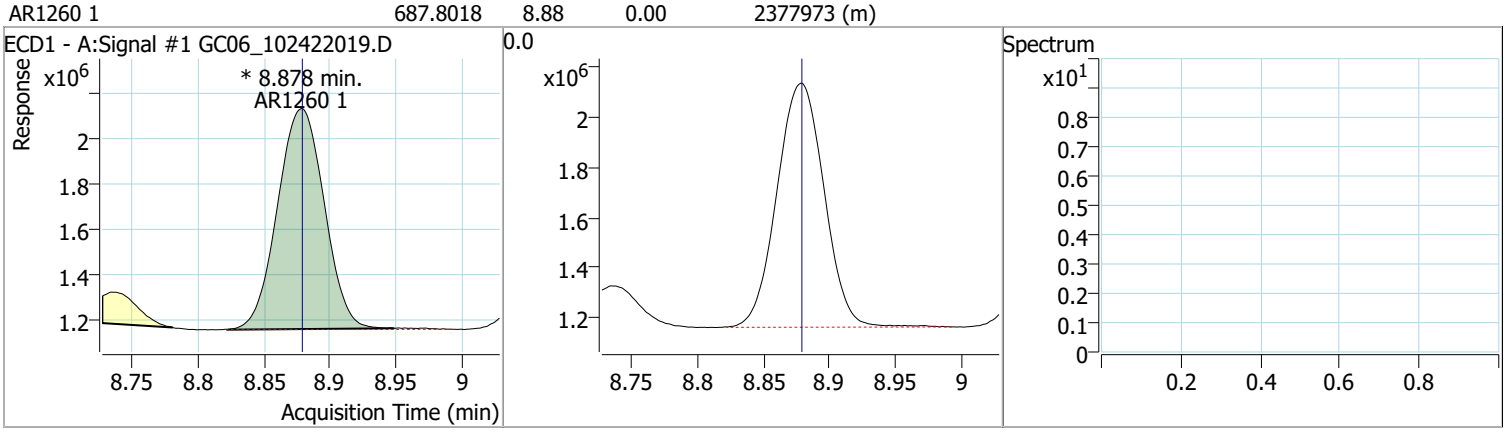
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	738.3839	7.22	0.00	5998164				



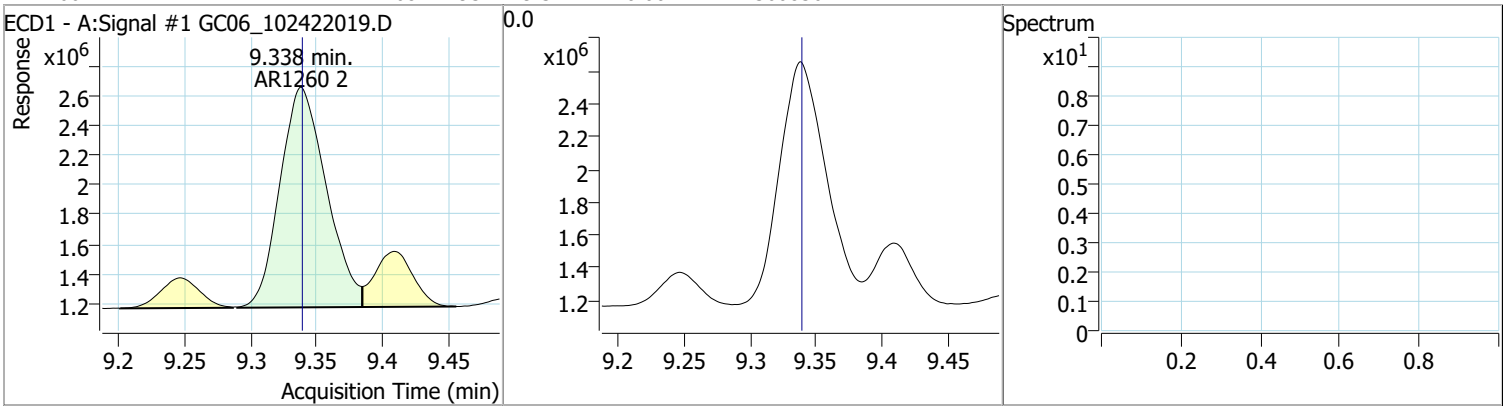
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	743.3626	7.96	0.00	4908449				



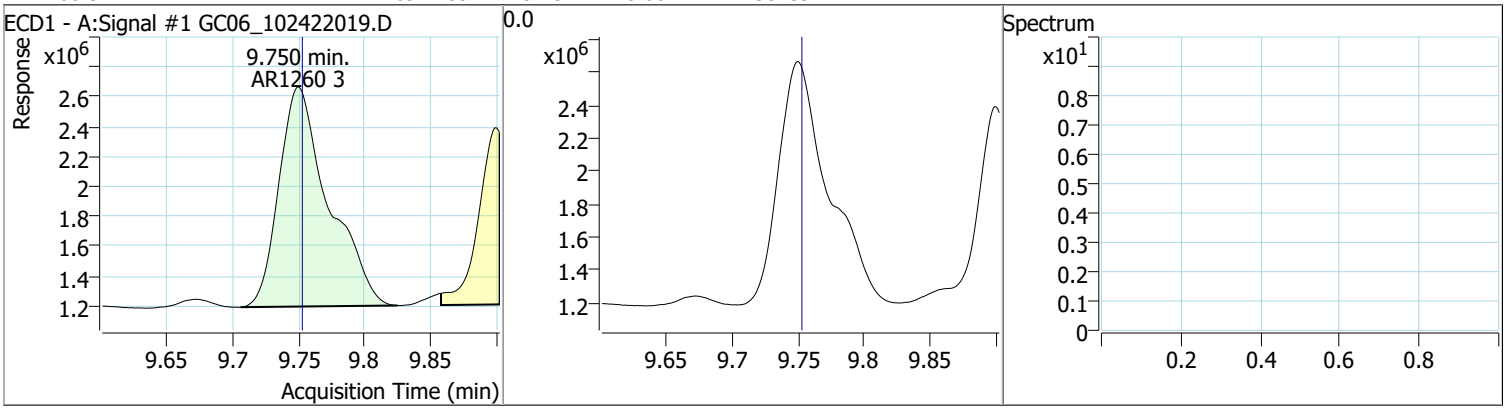
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	687.8018	8.88	0.00	2377973 (m)				



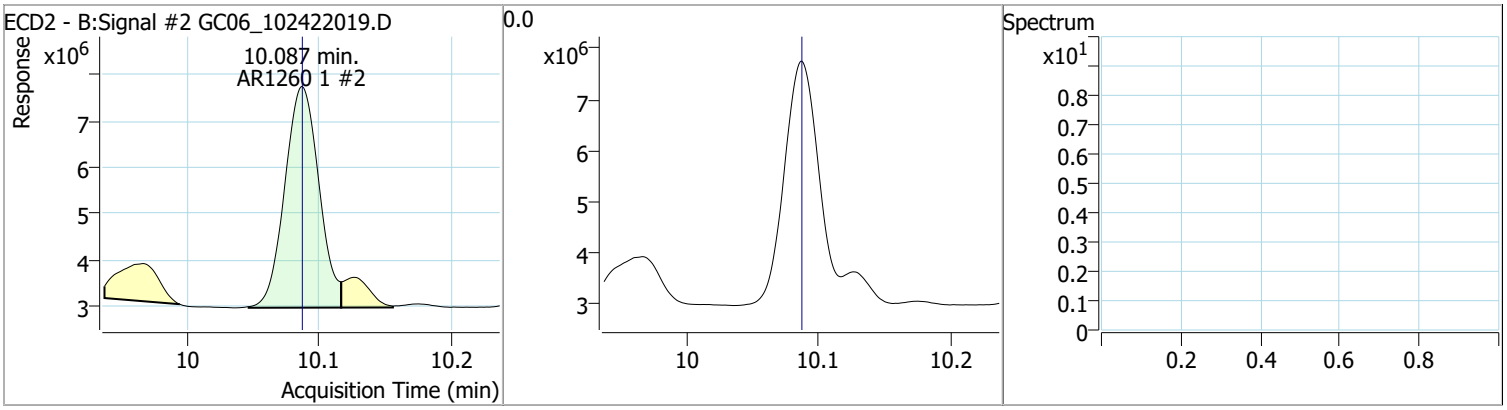
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	684.7493	9.34	0.00	3608367				



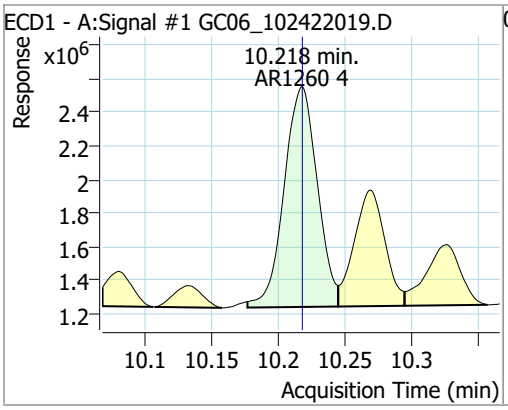
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	694.2591	9.75	0.00	3823911				

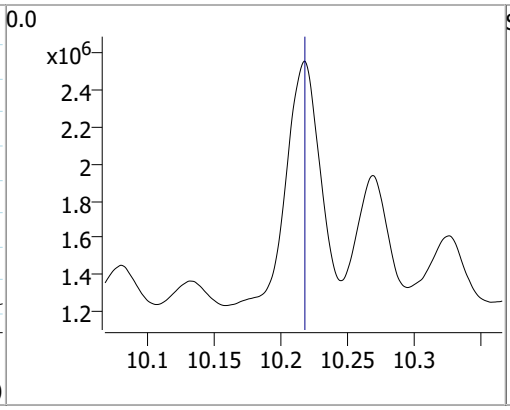


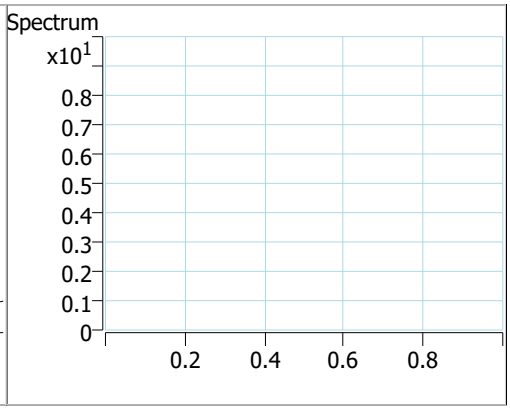
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	693.9161	10.09	0.00	8619738				



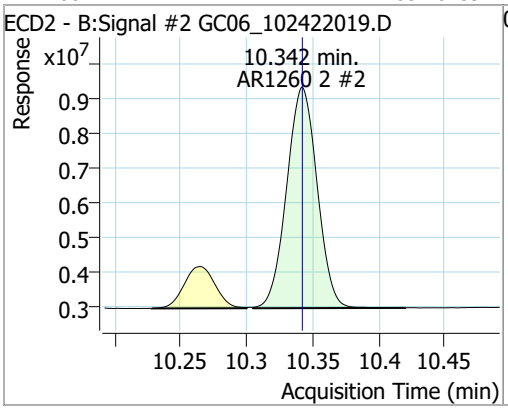
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	772.3166	10.22	0.00	2291687				

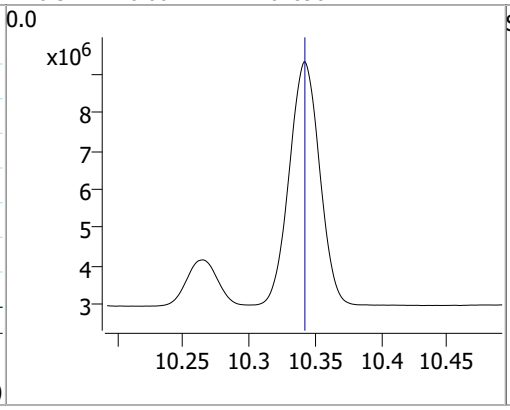


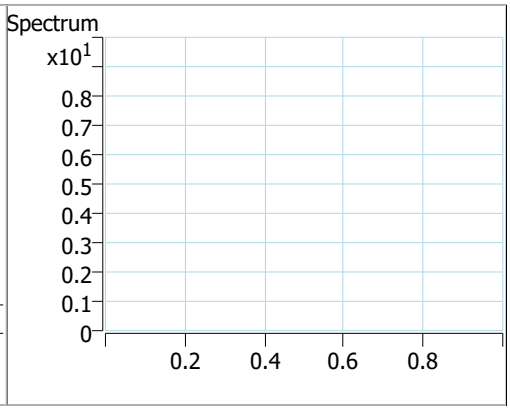




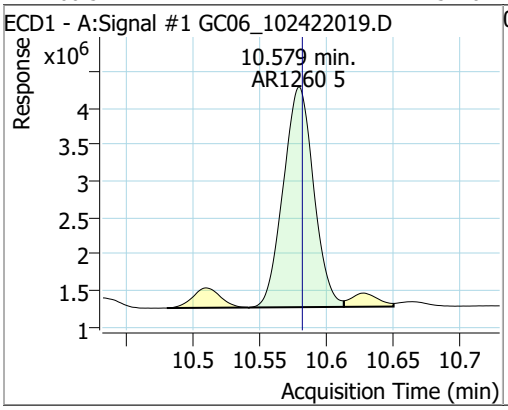
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	682.6759	10.34	0.00	10189047				

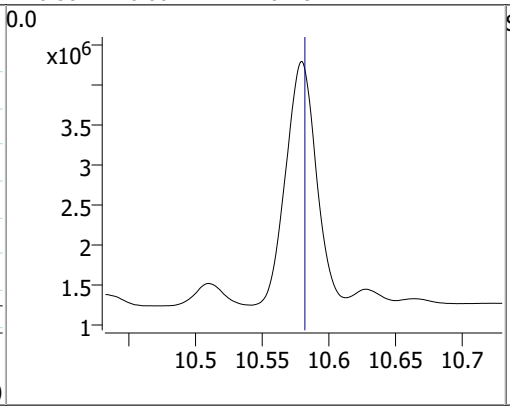


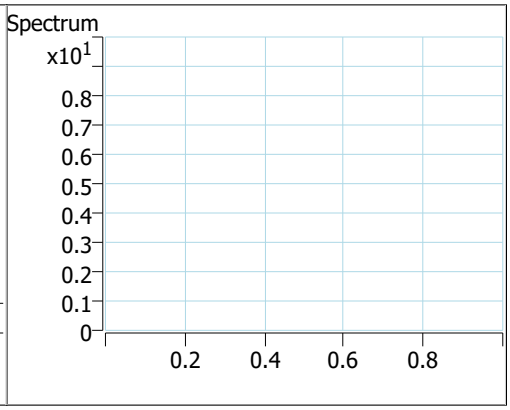




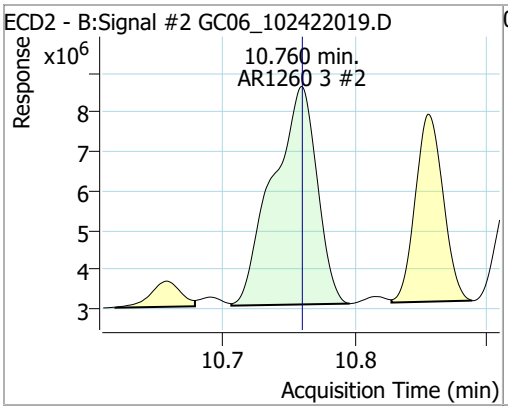
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	771.5470	10.58	0.00	4841911				

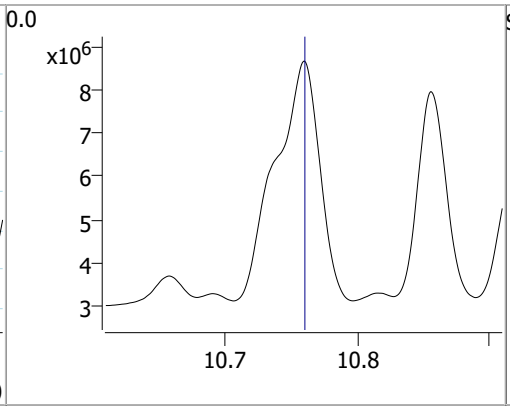


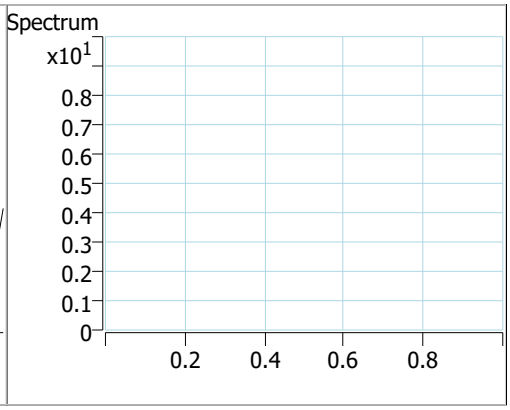




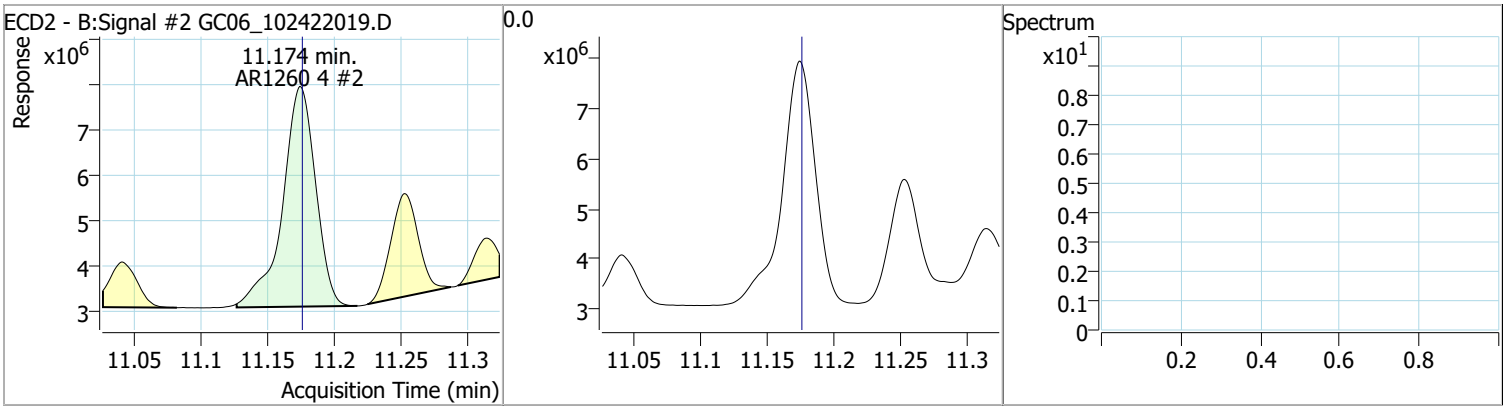
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	684.6327	10.76	0.00	12934062				



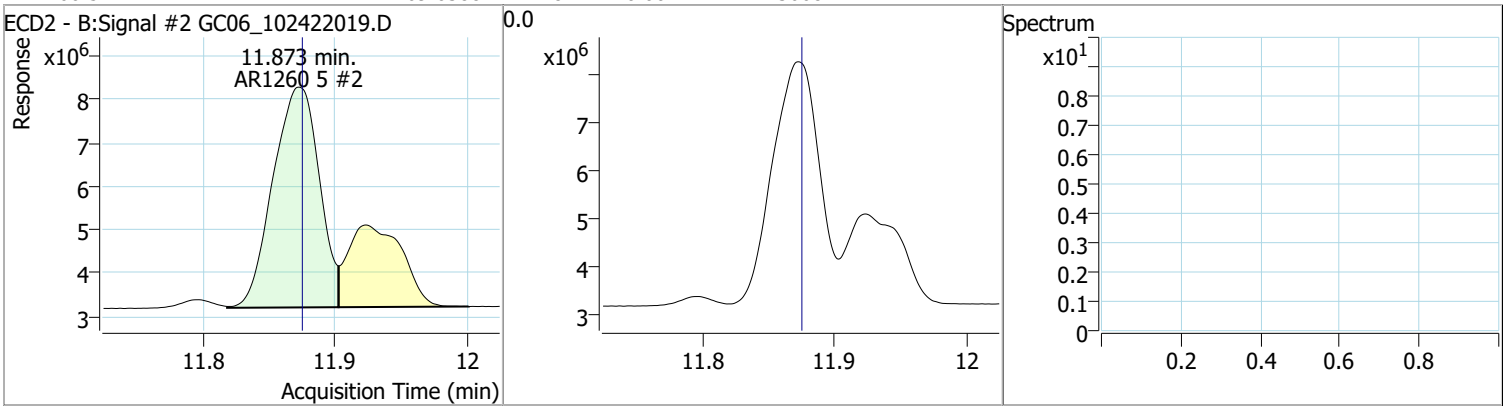




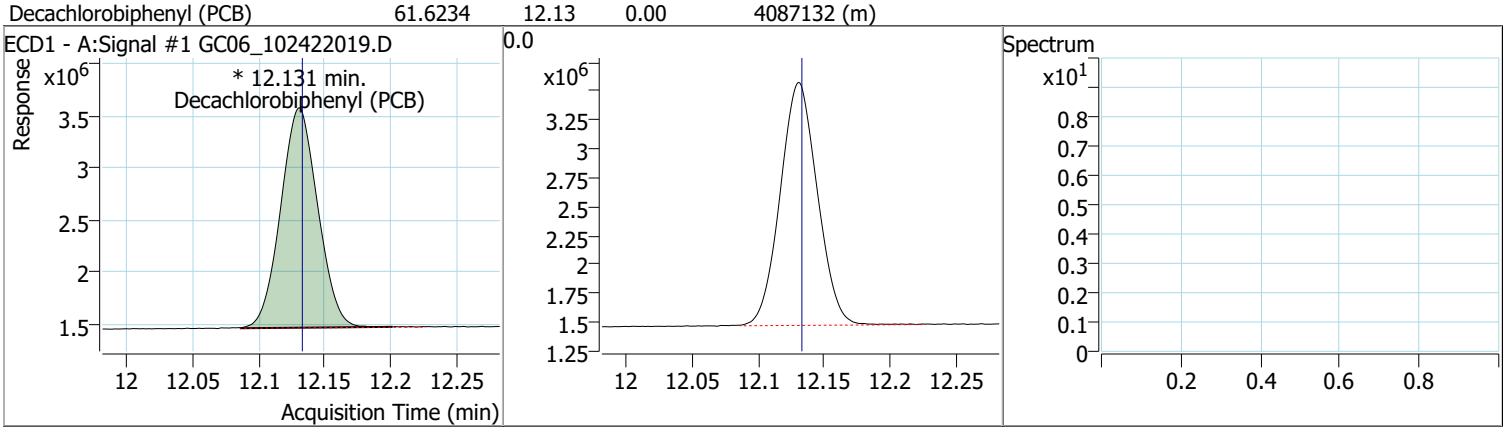
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	789.9076	11.17	0.00	8435664				



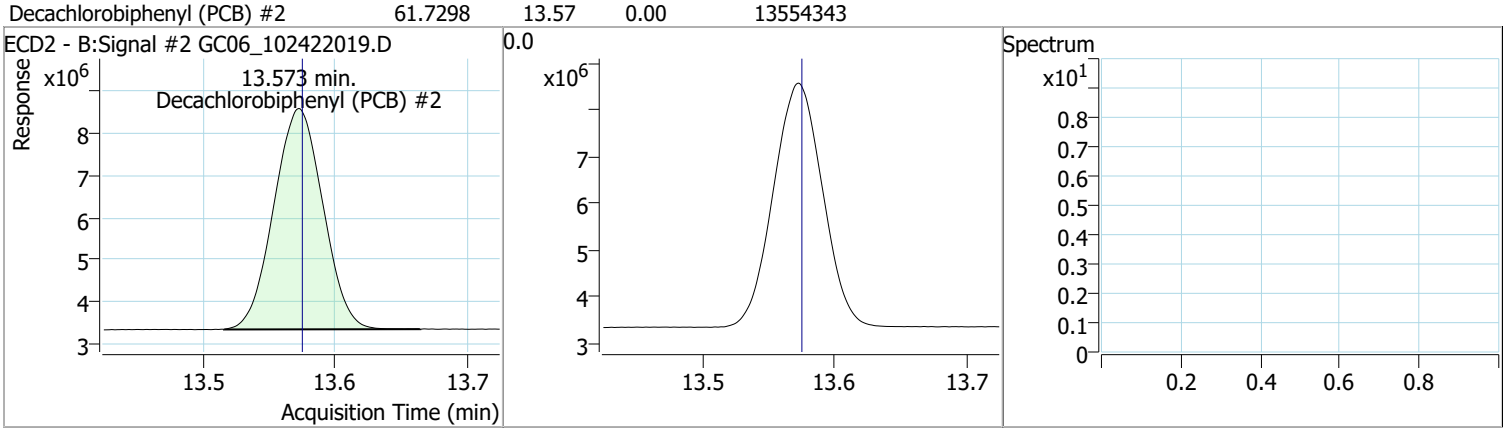
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	769.0388	11.87	0.00	12366844				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	61.6234	12.13	0.00	4087132 (m)				

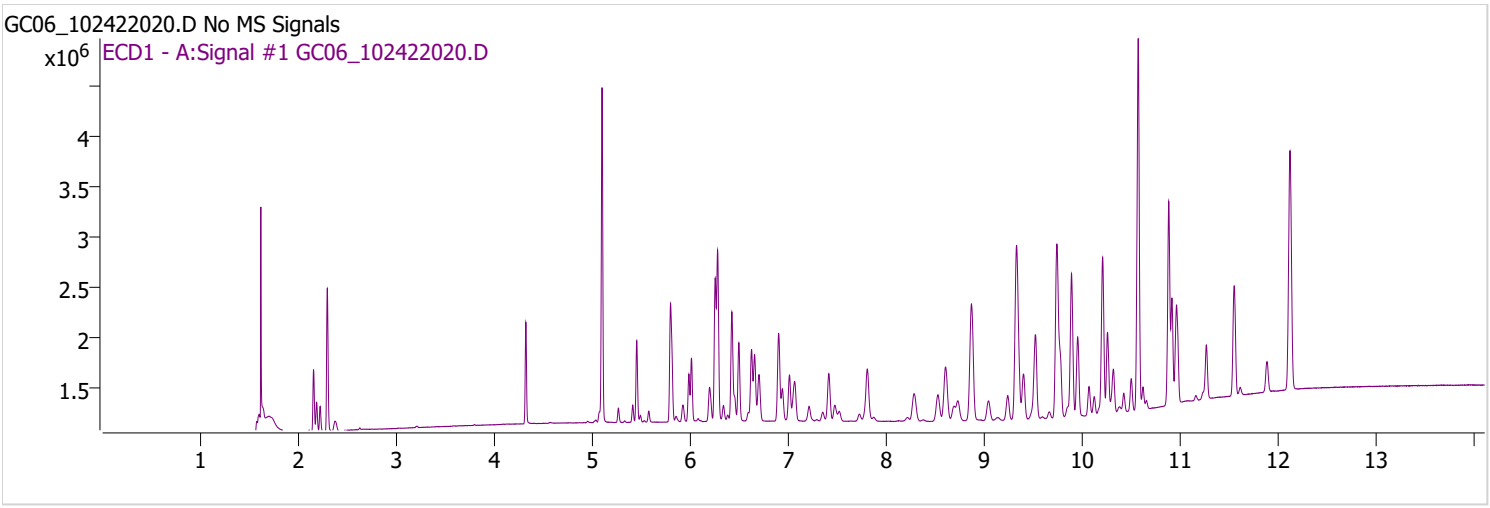


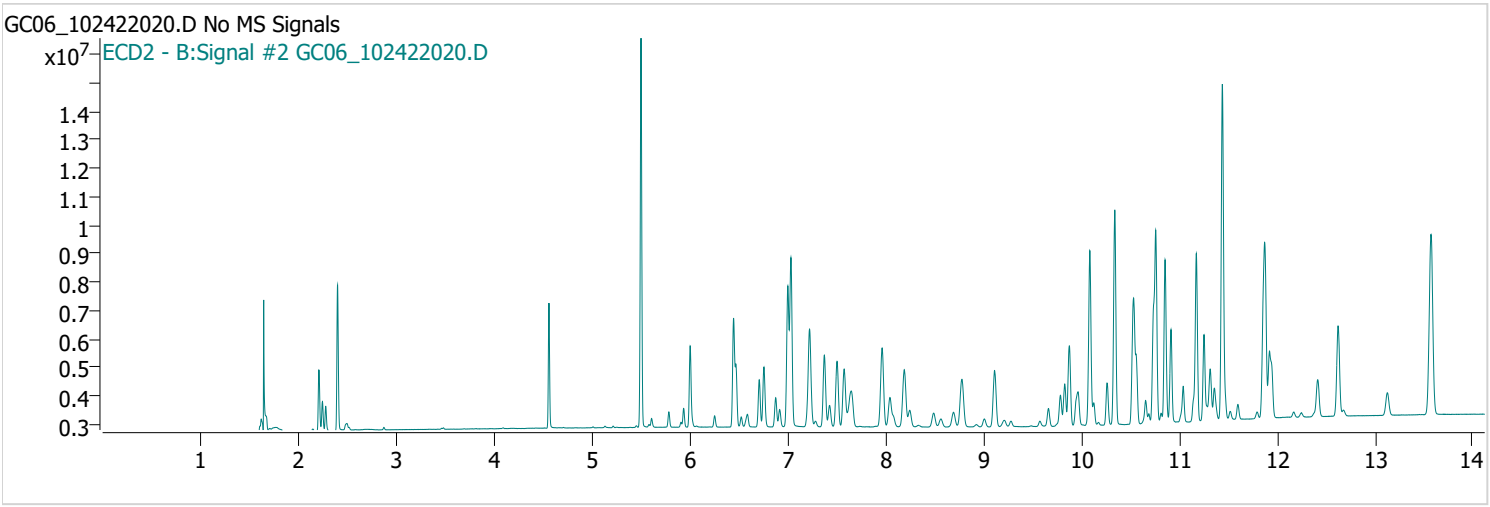
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	61.7298	13.57	0.00	13554343				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422020.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 7:13:45 PM
Sample Name	ICAL, S17269	Instrument	SVOA-GC06
Vial	17	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



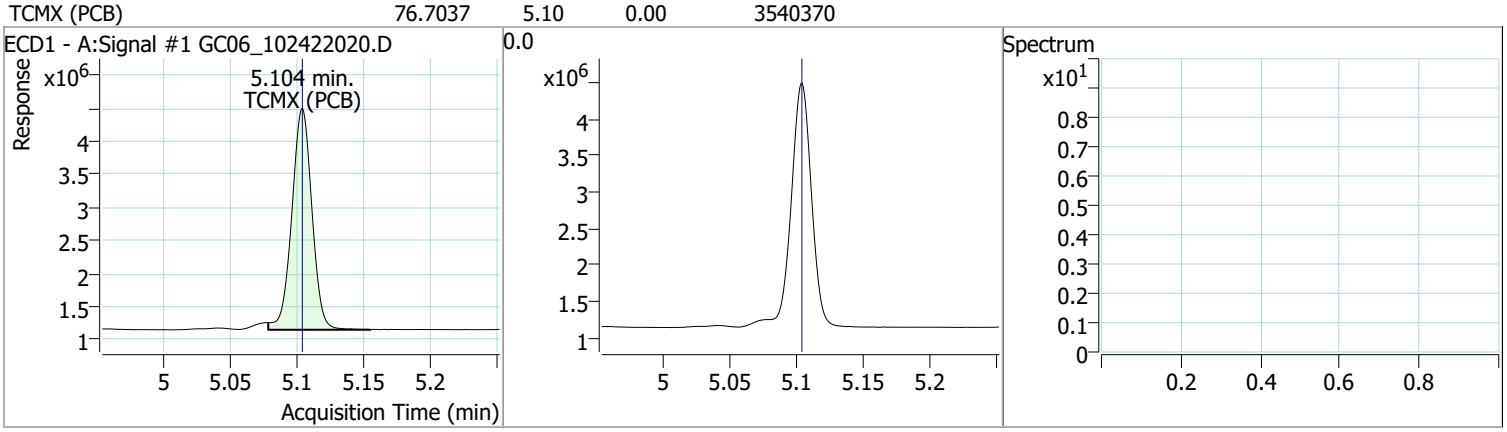


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	960028.285	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	3904924.024	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.104	0.0	3540369.739	76.7037	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 383.52%		*	
S TCMX (PCB) #2	5.502	0.0	14570076.912	77.6938	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 388.47%		*	
S Decachlorobiphenyl (PCB)	12.133	0.0	4873910.282	79.4415	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 397.21%		*	
S Decachlorobiphenyl (PCB) #2	13.574	0.0	16104085.280	78.9669	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 394.83%		*	
Target Compounds							QValue
T AR1016 1	5.458	0.0	943433.395	937.3214	ng/ml		100

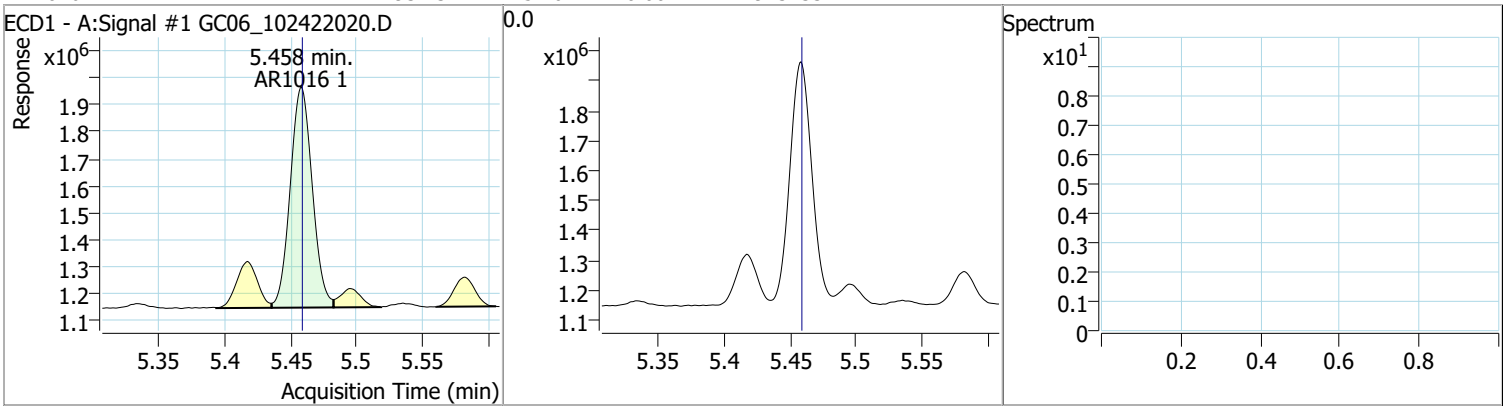
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.803	0.0	2010418.724	989.1606	ng/ml		100
T AR1016 1 #2	6.004	0.0	3878467.632	955.6472	ng/ml		100
T AR1016 3	6.284	0.0	2394397.764	938.2663	ng/ml		100
T AR1016 4	6.430	0.0	1827466.445	941.5536	ng/ml		100
T AR1016 2 #2	6.448	0.0	5500389.069	938.8589	ng/ml	m	100
T AR1016 5	6.908	0.0	1470872.987	940.8682	ng/ml		100
T AR1016 3 #2	7.034	0.0	9872562.438	927.4276	ng/ml		100
T AR1016 4 #2	7.224	0.0	7222770.660	950.4102	ng/ml		100
T AR1016 5 #2	7.966	0.0	5894671.400	954.2439	ng/ml		100
T AR1260 1	8.878	0.0	2877985.945	886.6594	ng/ml		100
T AR1260 2	9.338	0.0	4300287.117	869.2209	ng/ml		100
T AR1260 3	9.751	0.0	4585617.535	886.7956	ng/ml		100
T AR1260 1 #2	10.088	0.0	10289089.324	885.3872	ng/ml		100
T AR1260 4	10.218	0.0	2742861.102	988.8343	ng/ml		100
T AR1260 2 #2	10.343	0.0	12199337.627	873.6965	ng/ml		100
T AR1260 5	10.582	0.0	5817456.745	992.4576	ng/ml		100
T AR1260 3 #2	10.761	0.0	15563112.957	880.5672	ng/ml		100
T AR1260 4 #2	11.176	0.0	9679021.093	974.1517	ng/ml		100
T AR1260 5 #2	11.874	0.0	14837736.104	991.5511	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

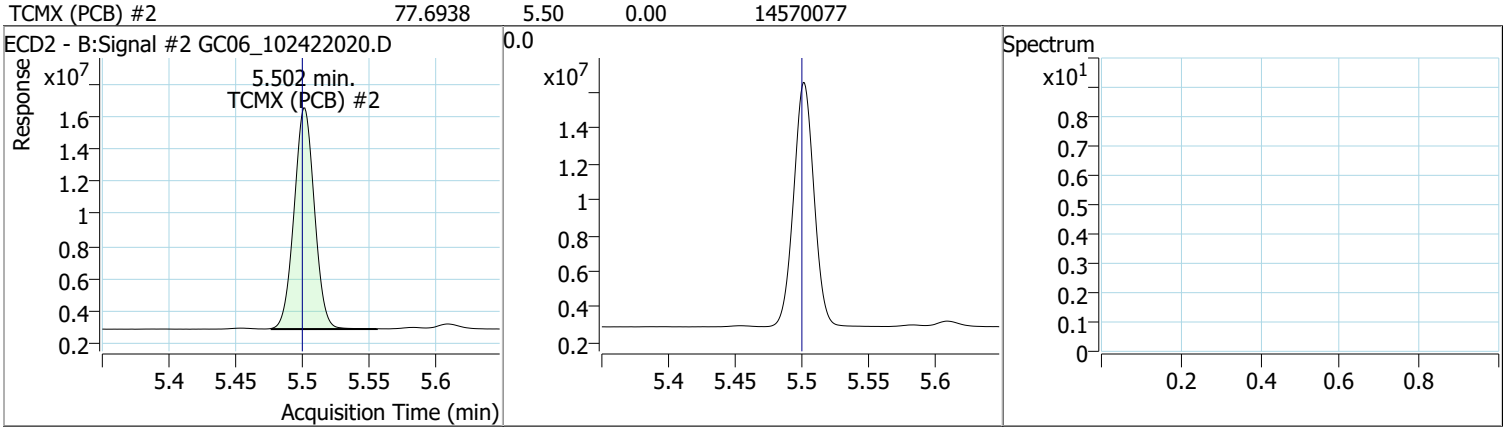
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	76.7037	5.10	0.00	3540370				



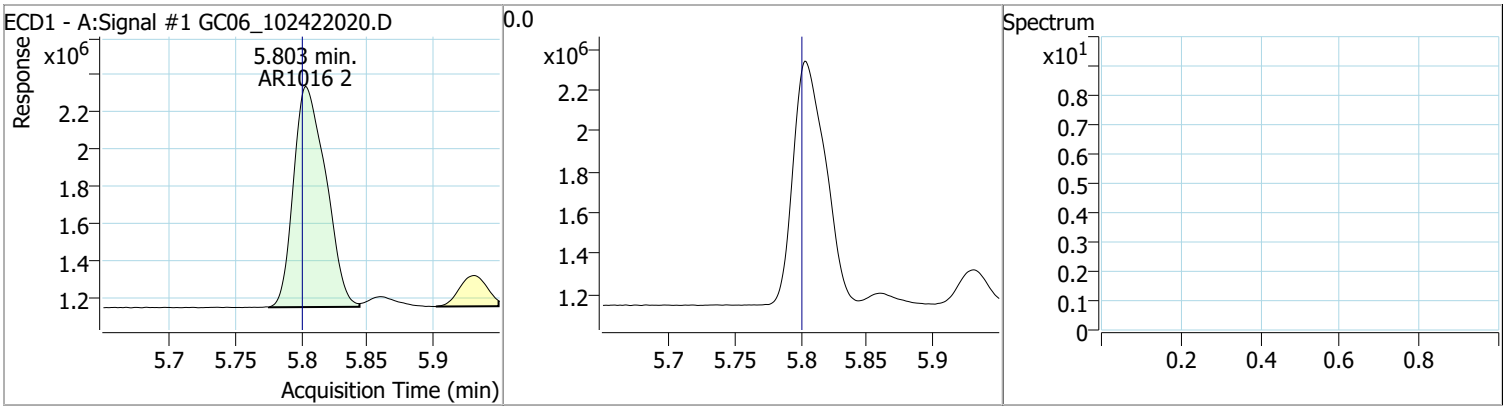
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	937.3214	5.46	0.00	943433				



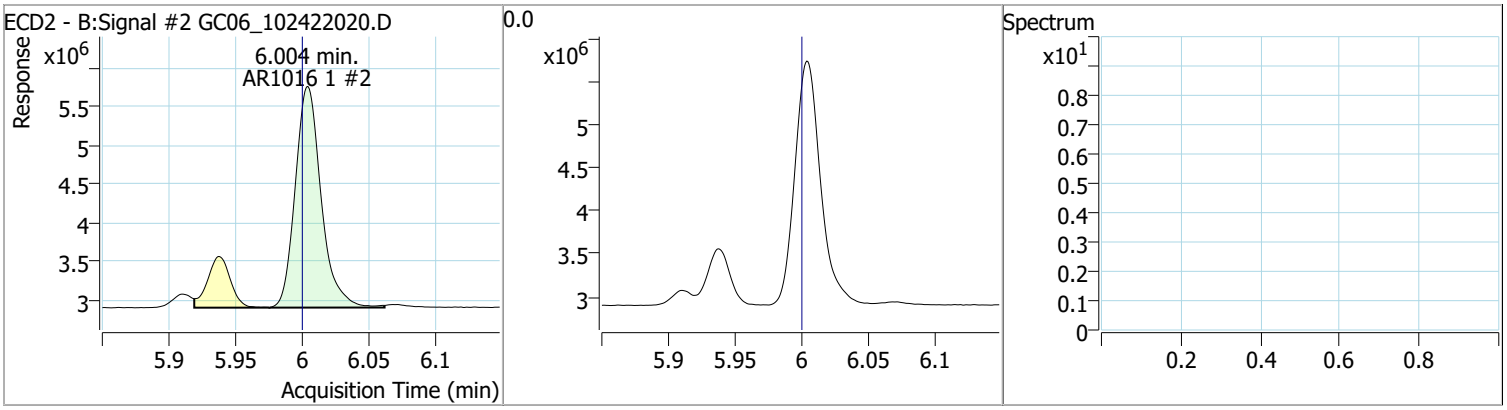
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	77.6938	5.50	0.00	14570077				



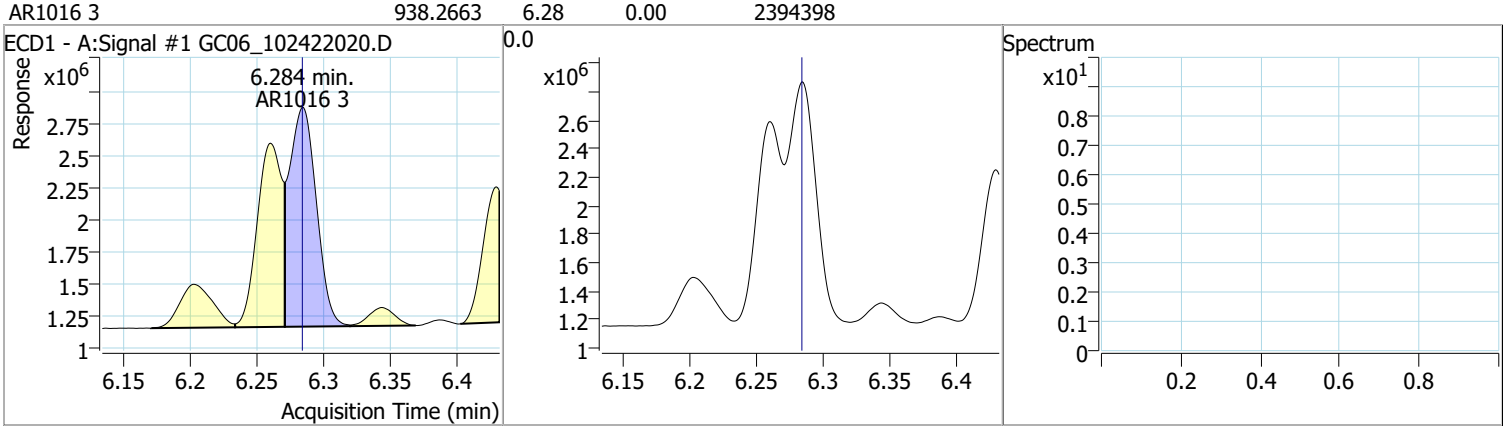
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	989.1606	5.80	0.00	2010419				



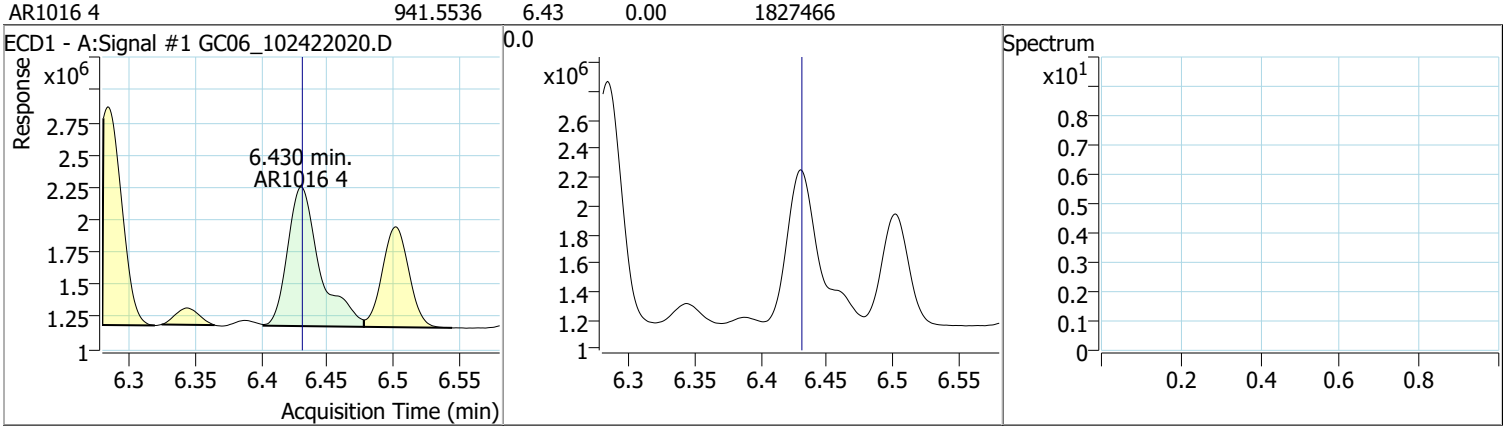
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	955.6472	6.00	0.00	3878468				



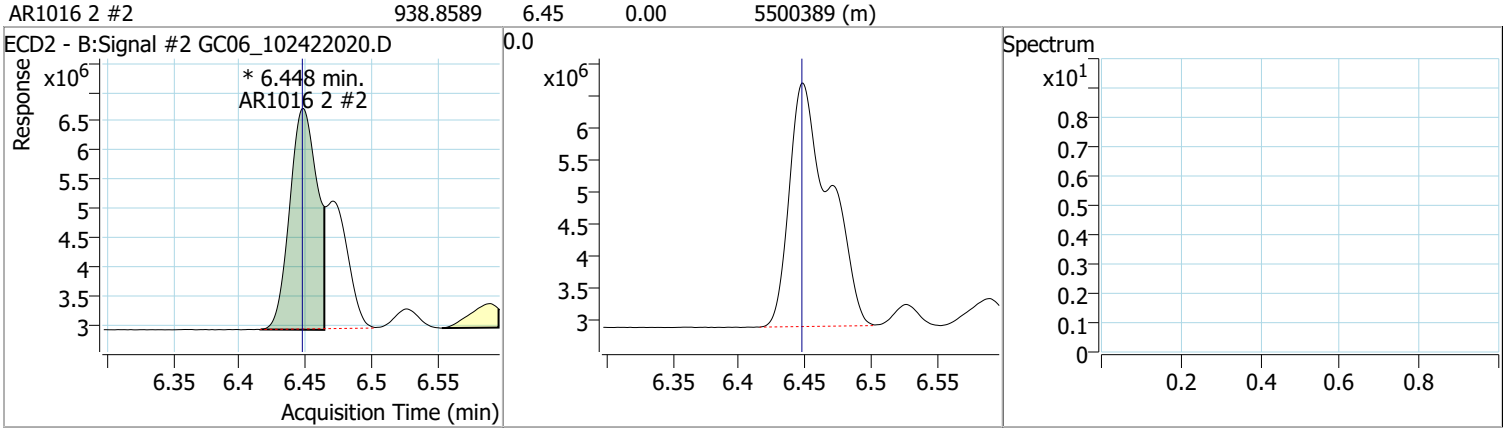
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	938.2663	6.28	0.00	2394398				



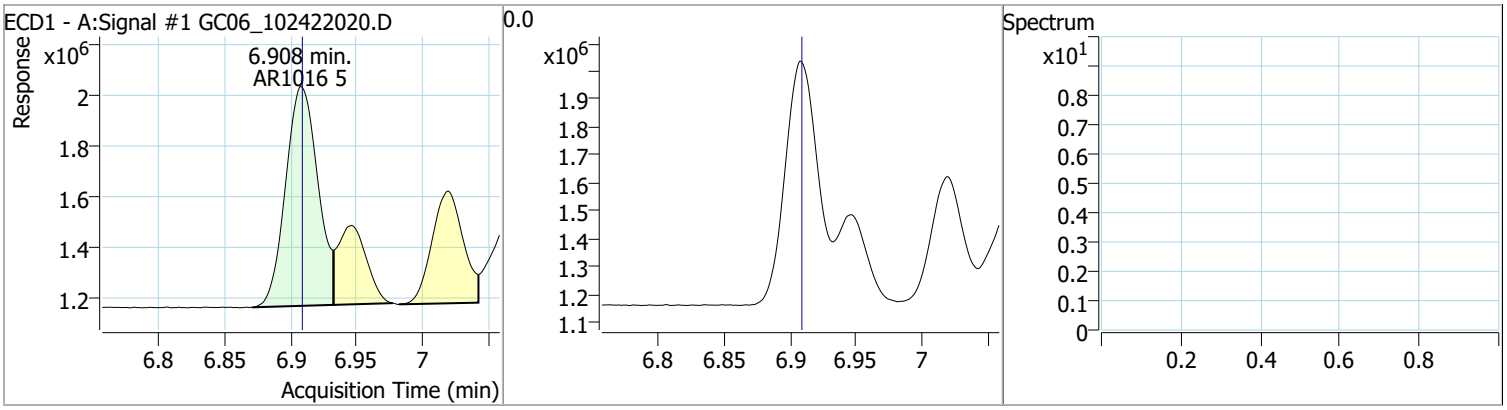
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	941.5536	6.43	0.00	1827466				



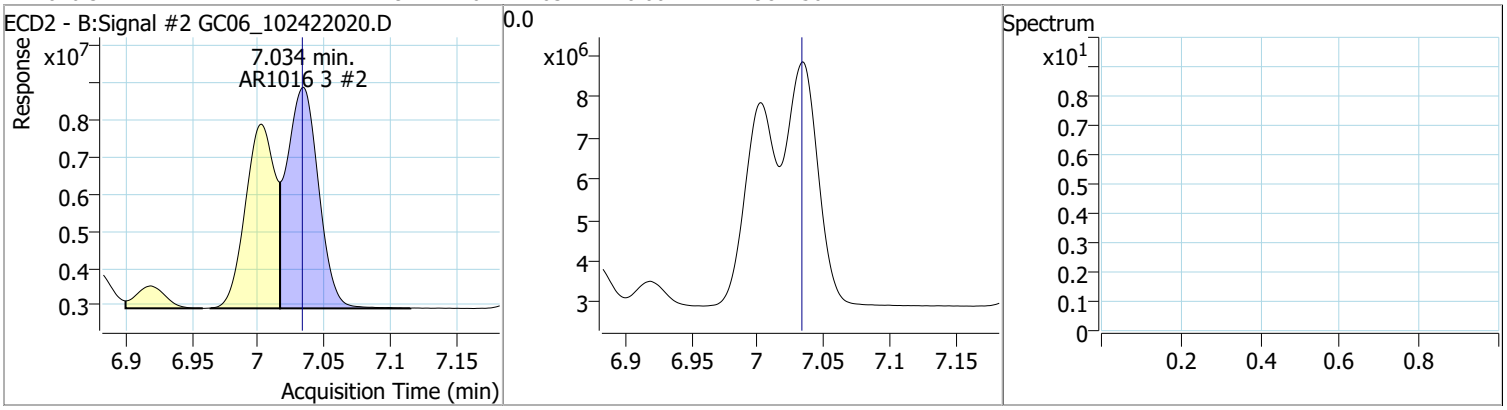
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	938.8589	6.45	0.00	5500389 (m)				



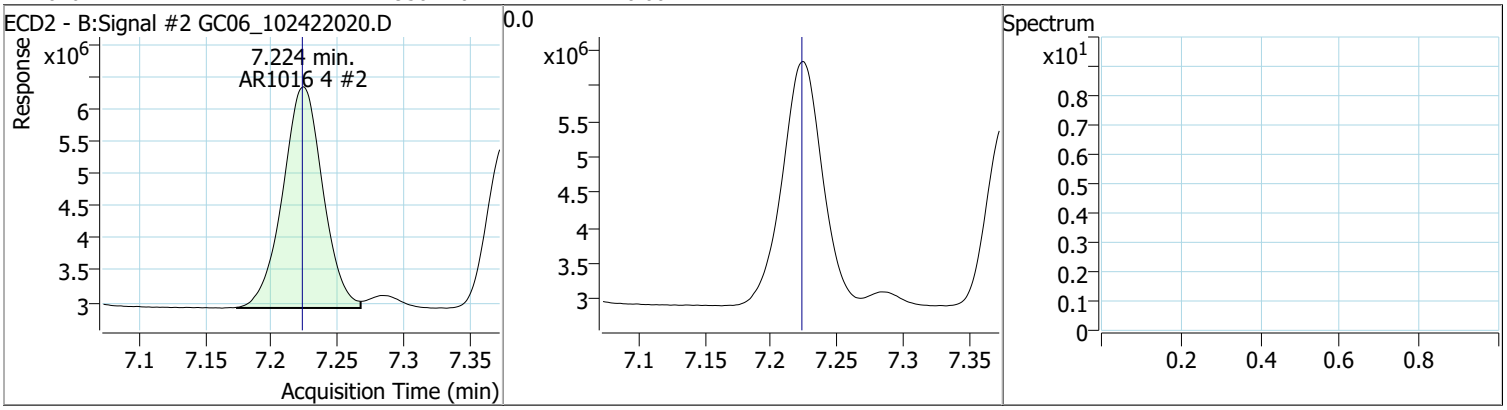
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	940.8682	6.91	0.00	1470873				



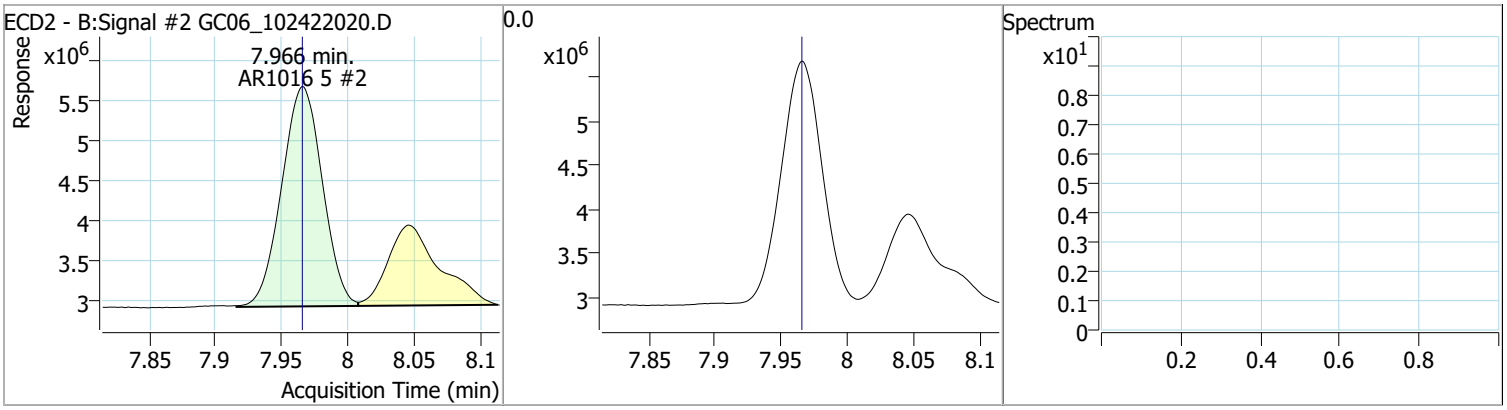
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	927.4276	7.03	0.00	9872562				



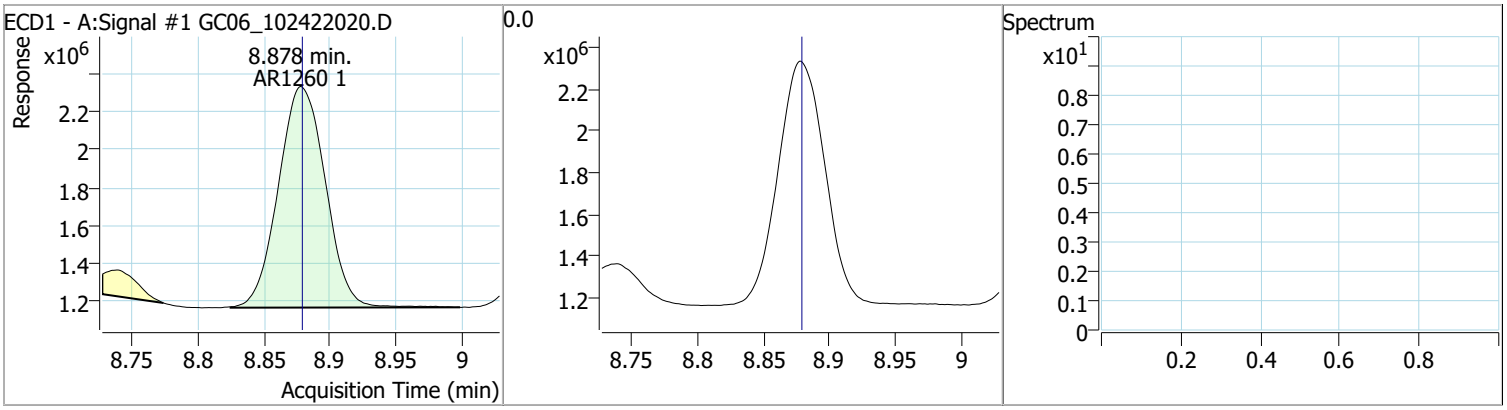
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	950.4102	7.22	0.00	7222771				



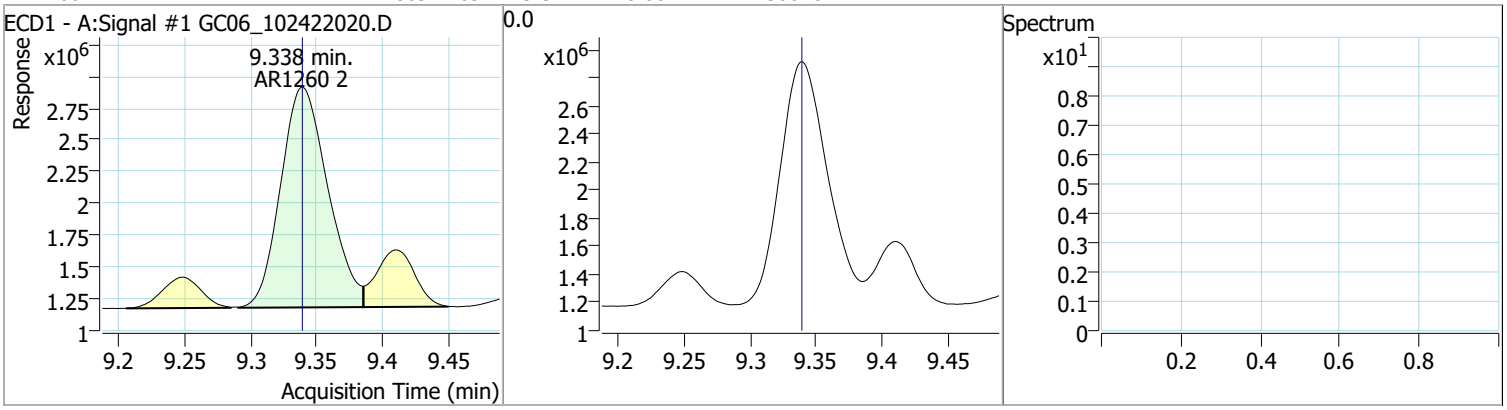
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	954.2439	7.97	0.00	5894671				



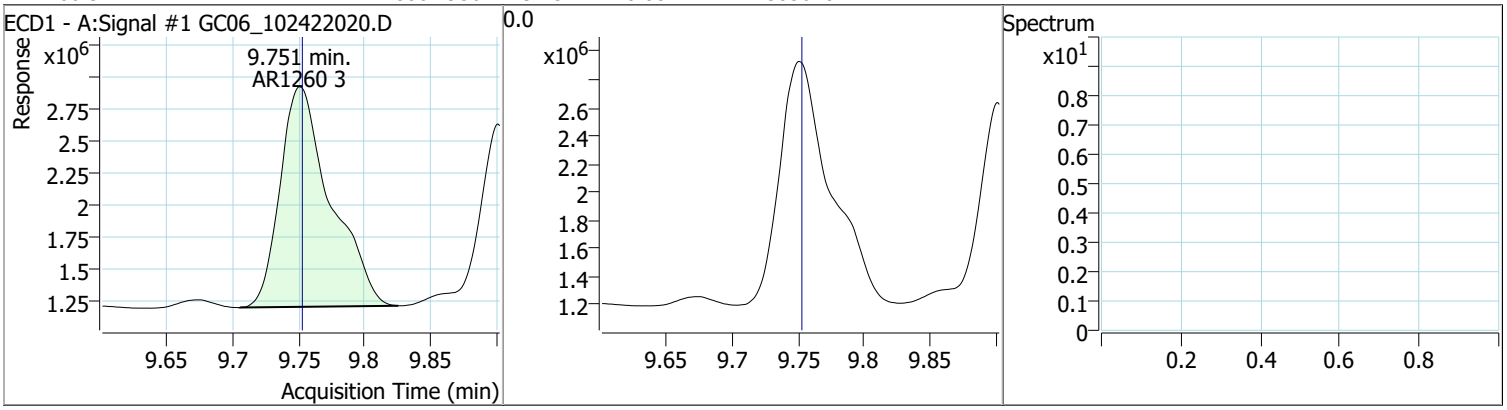
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	886.6594	8.88	0.00	2877986				



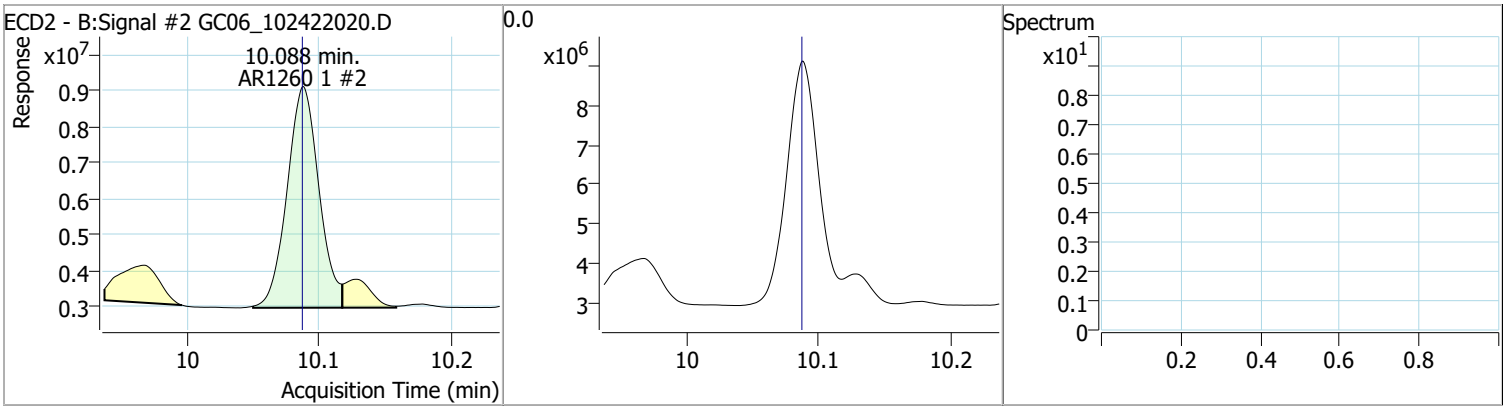
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	869.2209	9.34	0.00	4300287				



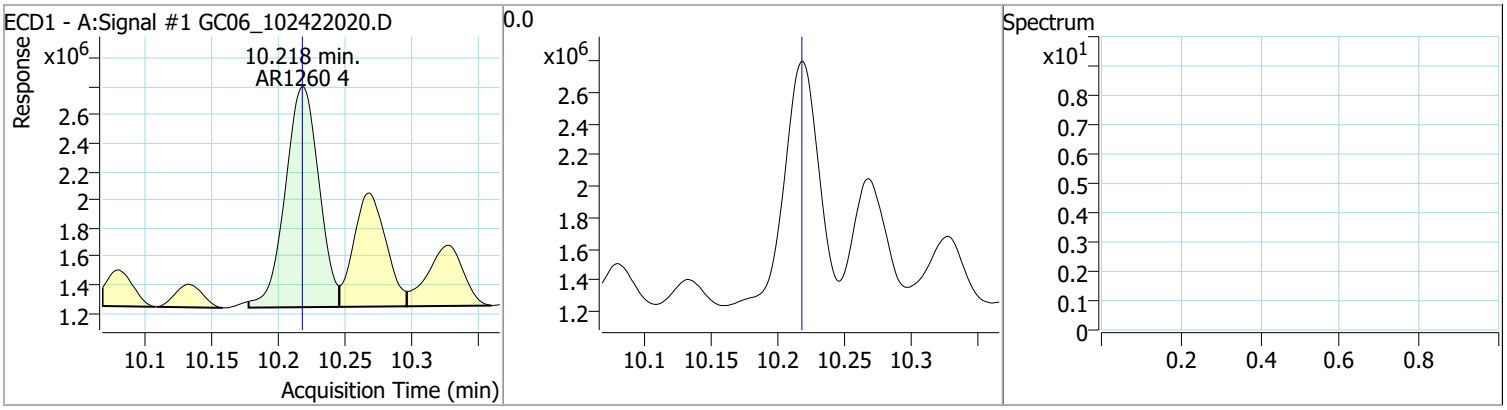
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	886.7956	9.75	0.00	4585618				



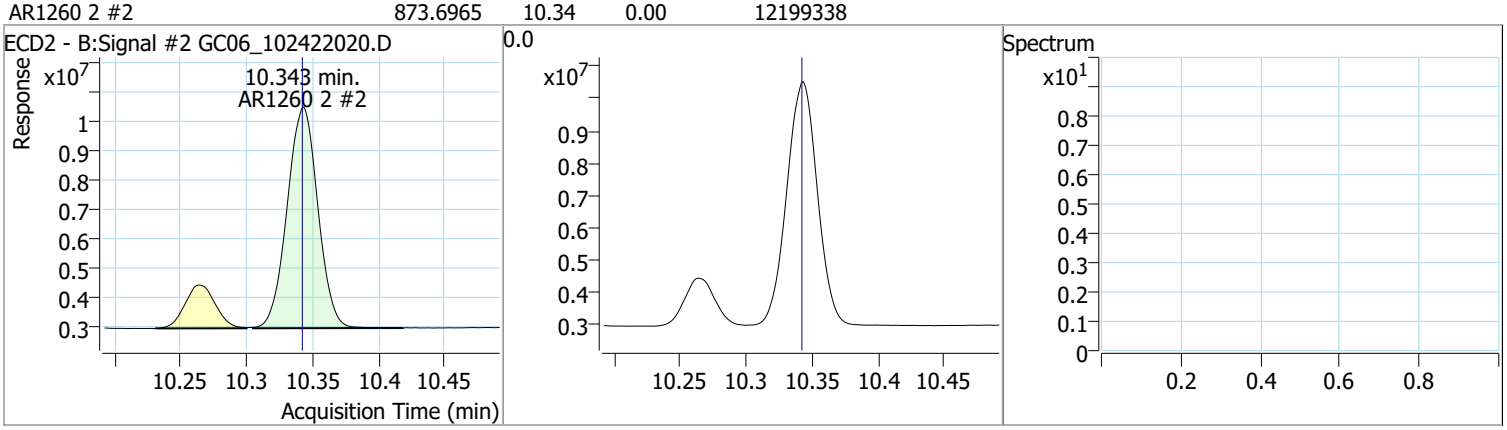
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	885.3872	10.09	0.00	10289089				



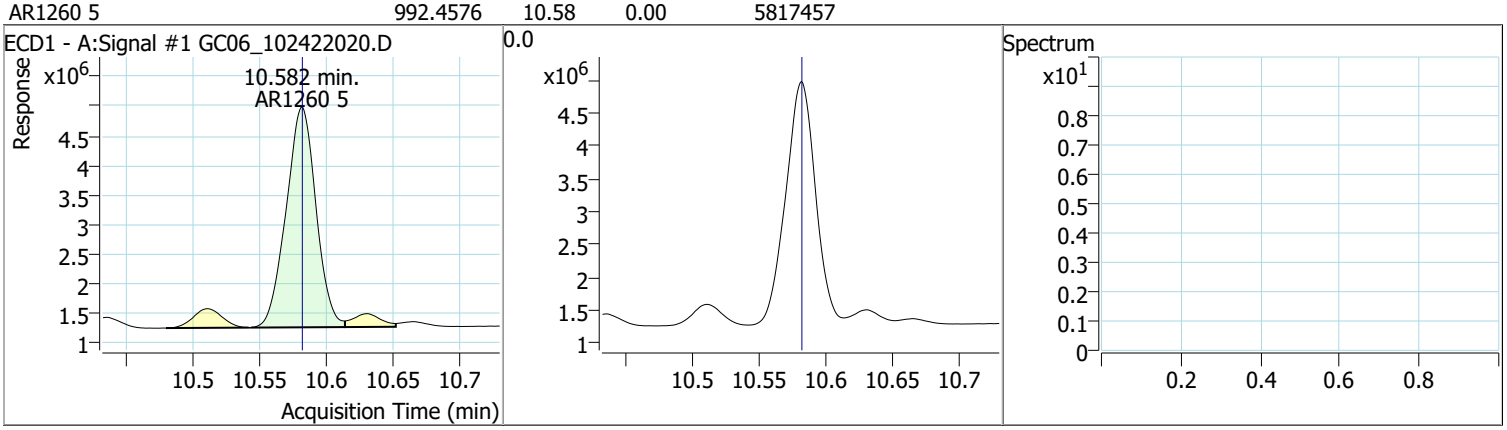
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	988.8343	10.22	0.00	2742861				



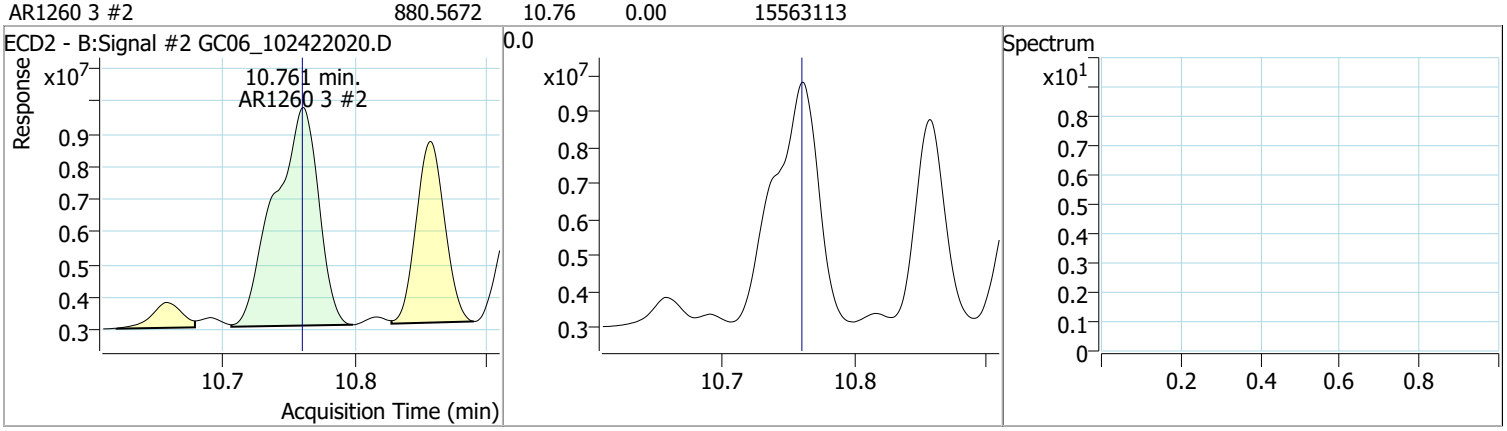
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	873.6965	10.34	0.00	12199338				



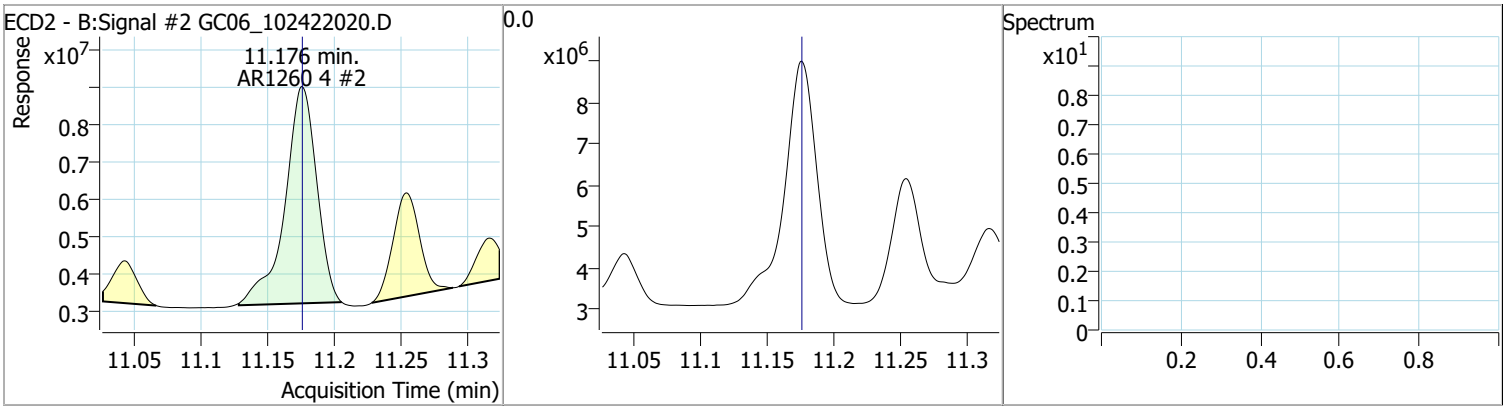
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	992.4576	10.58	0.00	5817457				



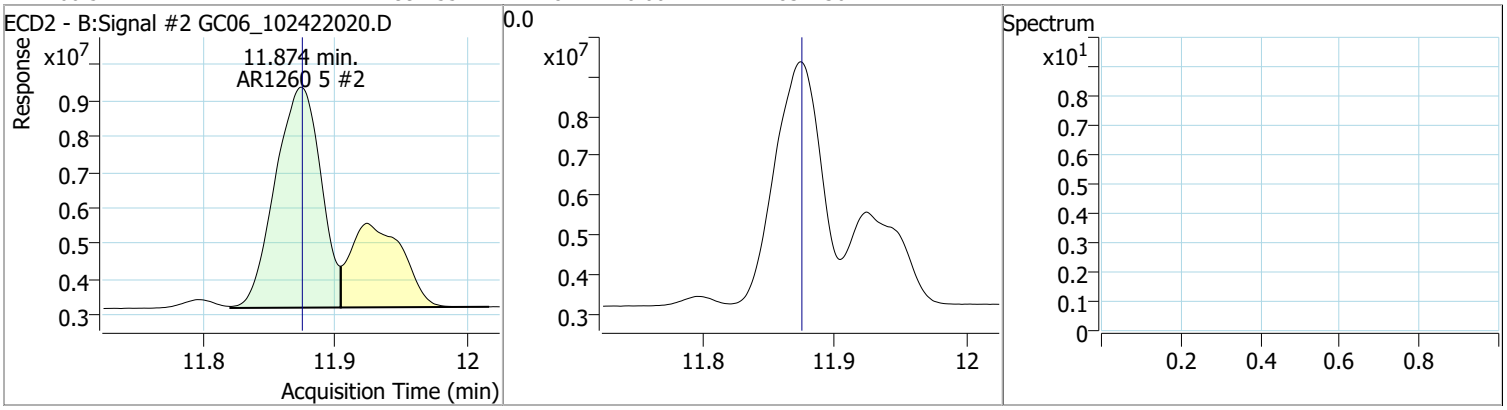
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	880.5672	10.76	0.00	15563113				



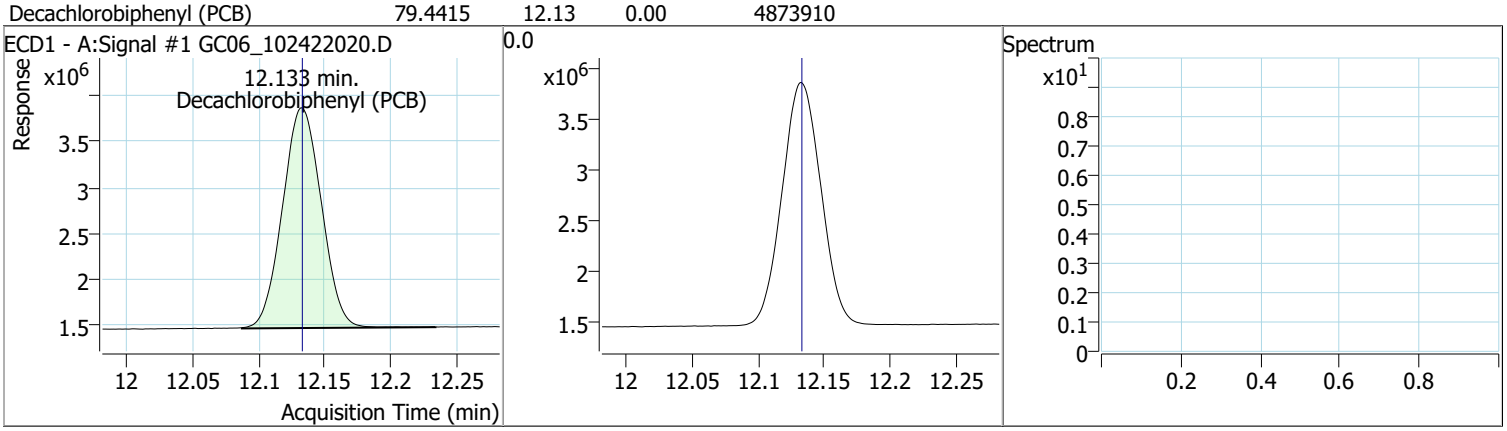
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	974.1517	11.18	0.00	9679021				



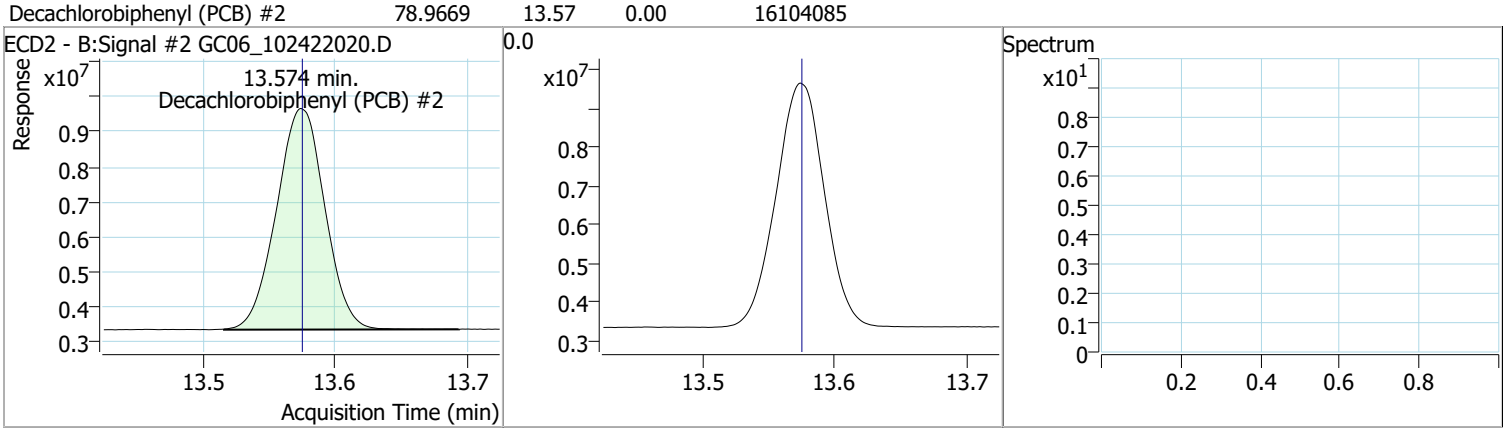
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	991.5511	11.87	0.00	14837736				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	79.4415	12.13	0.00	4873910				

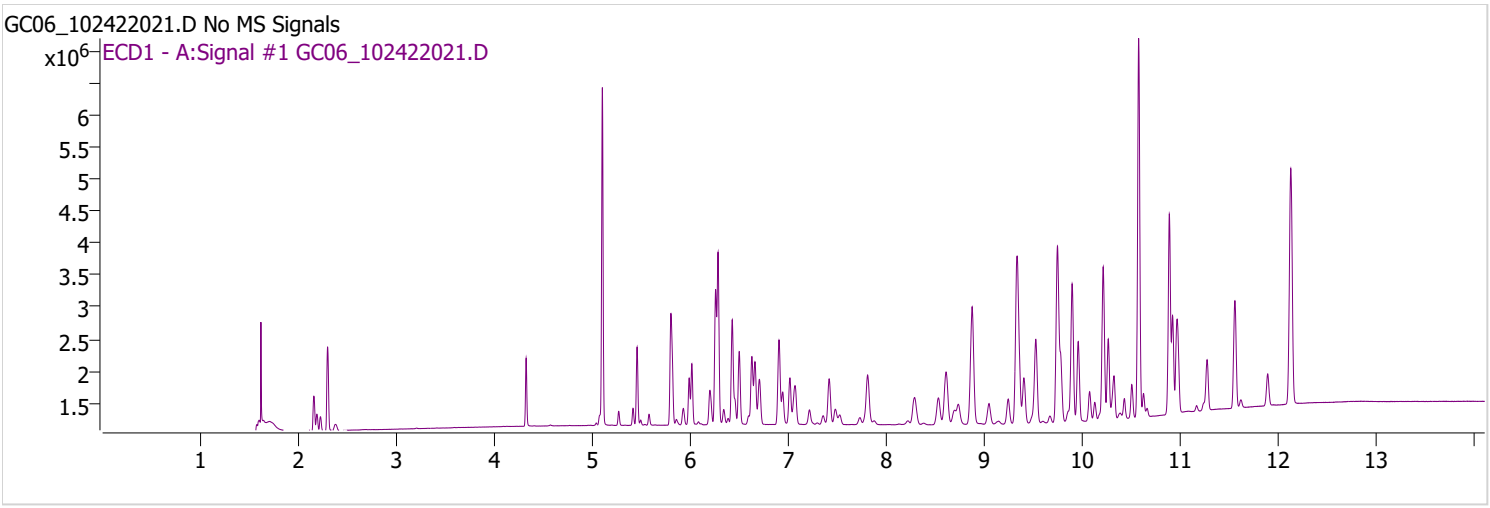


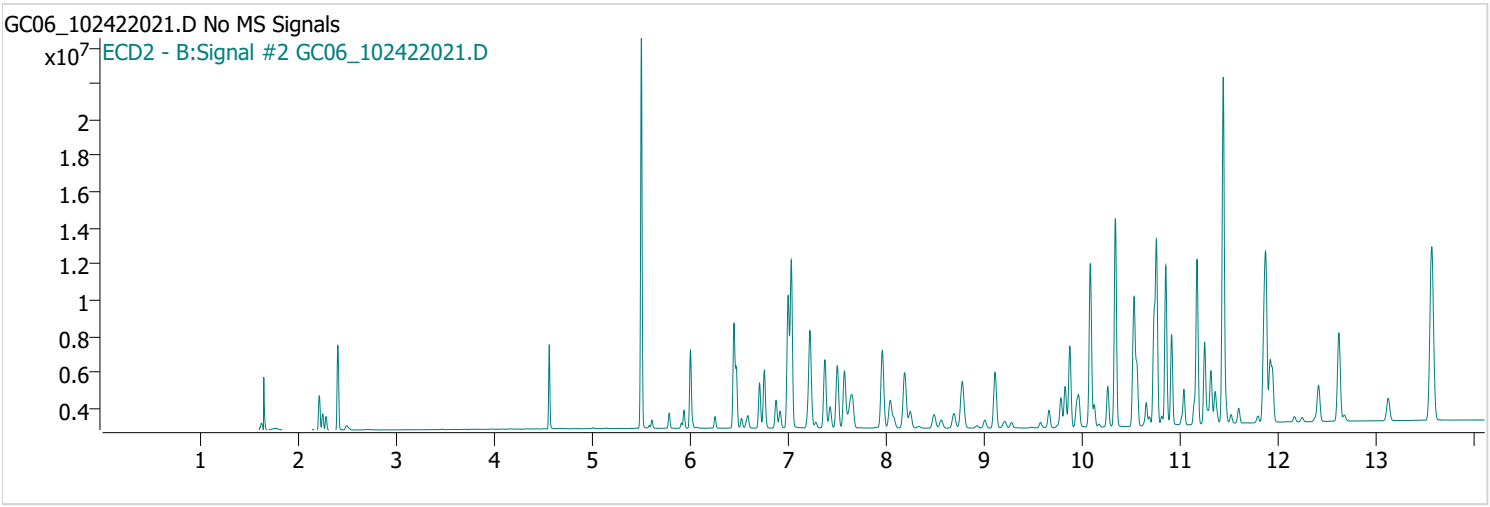
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	78.9669	13.57	0.00	16104085				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422021.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 7:31:42 PM
Sample Name	ICAL, S17270	Instrument	SVOA-GC06
Vial	18	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



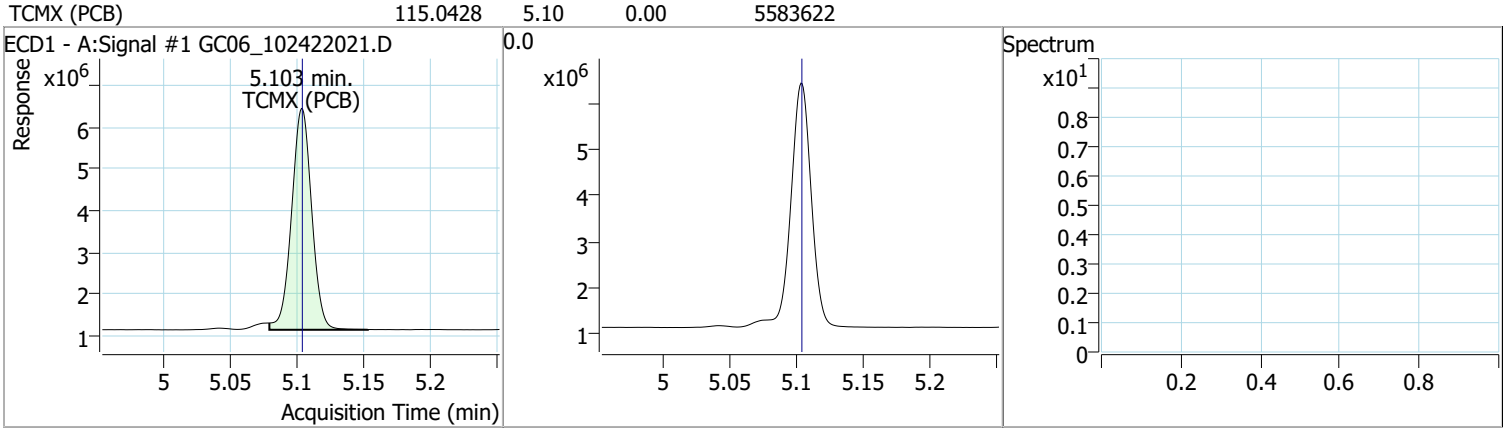


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1009505.147	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.561	0.0	4057066.575	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	5583622.088	115.0428	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 575.21%		*	
S TCMX (PCB) #2	5.502	0.0	23031168.075	118.2063	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 591.03%		*	
S Decachlorobiphenyl (PCB)	12.134	0.0	7593776.012	119.7892	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 598.95%		*	
S Decachlorobiphenyl (PCB) #2	13.573	0.0	25131513.397	119.6729	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 598.36%		*	
Target Compounds							QValue

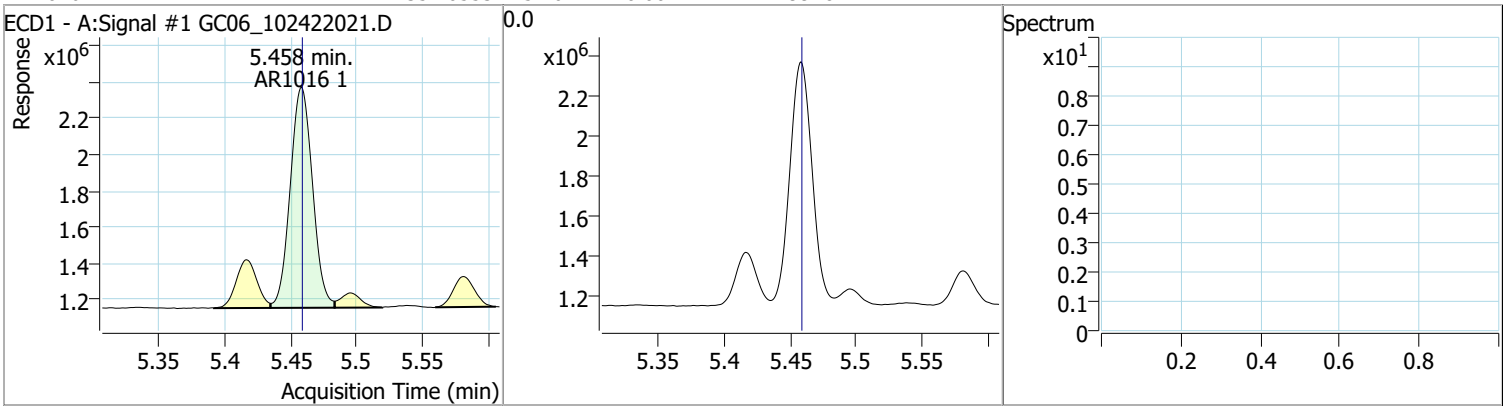
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.458	0.0	1429948.327	1351.0553	ng/ml		100
T AR1016 2	5.804	0.0	3030710.898	1424.7519	ng/ml		100
T AR1016 1 #2	6.003	0.0	5721647.171	1356.9347	ng/ml		100
T AR1016 3	6.285	0.0	3611169.947	1345.7155	ng/ml		100
T AR1016 4	6.430	0.0	2777407.544	1360.8515	ng/ml		100
T AR1016 2 #2	6.448	0.0	8221820.088	1350.7511	ng/ml	m	100
T AR1016 5	6.908	0.0	2242691.834	1364.2649	ng/ml		100
T AR1016 3 #2	7.033	0.0	15343105.691	1387.2792	ng/ml		100
T AR1016 4 #2	7.223	0.0	11004271.290	1393.6991	ng/ml		100
T AR1016 5 #2	7.963	0.0	9009188.371	1403.7375	ng/ml		100
T AR1260 1	8.880	0.0	4266432.480	1249.9957	ng/ml		100
T AR1260 2	9.339	0.0	6538469.983	1256.8526	ng/ml		100
T AR1260 3	9.751	0.0	7045185.682	1295.6677	ng/ml		100
T AR1260 1 #2	10.087	0.0	15645489.933	1295.8237	ng/ml		100
T AR1260 4	10.218	0.0	4208394.379	1449.9072	ng/ml		100
T AR1260 2 #2	10.343	0.0	18653948.726	1285.8656	ng/ml		100
T AR1260 5	10.580	0.0	9185947.111	1499.3950	ng/ml		100
T AR1260 3 #2	10.761	0.0	24133856.541	1314.2961	ng/ml		100
T AR1260 4 #2	11.177	0.0	14547609.435	1419.8121	ng/ml		100
T AR1260 5 #2	11.876	0.0	23188941.135	1500.9271	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

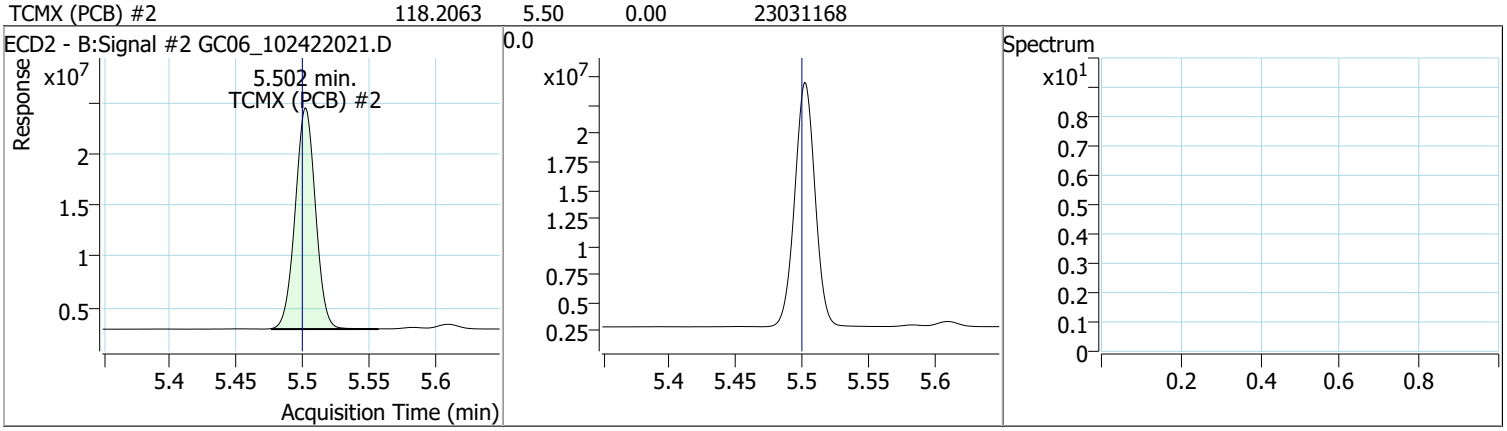
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	115.0428	5.10	0.00	5583622				



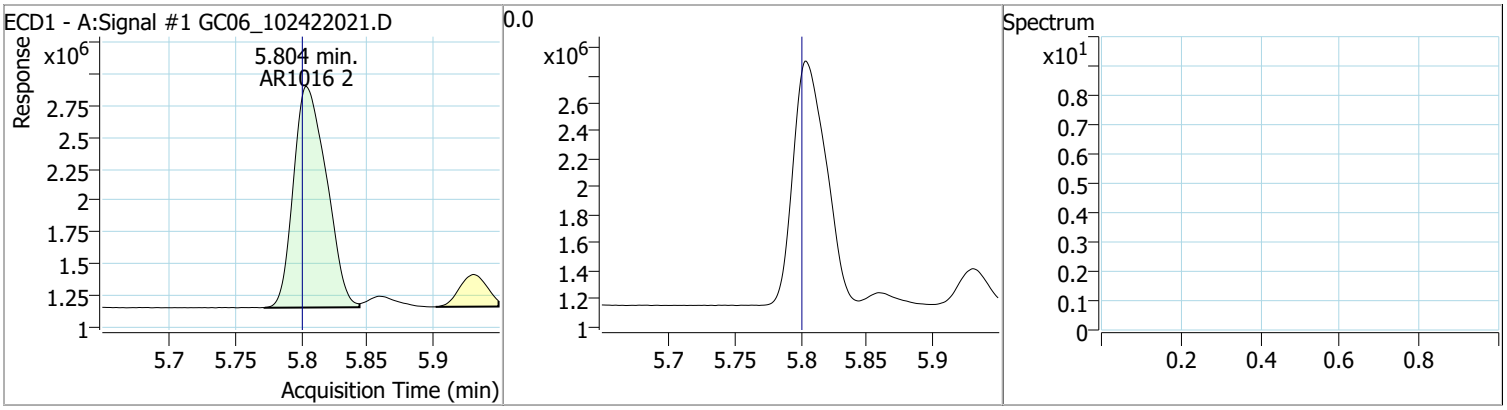
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1351.0553	5.46	0.00	1429948				



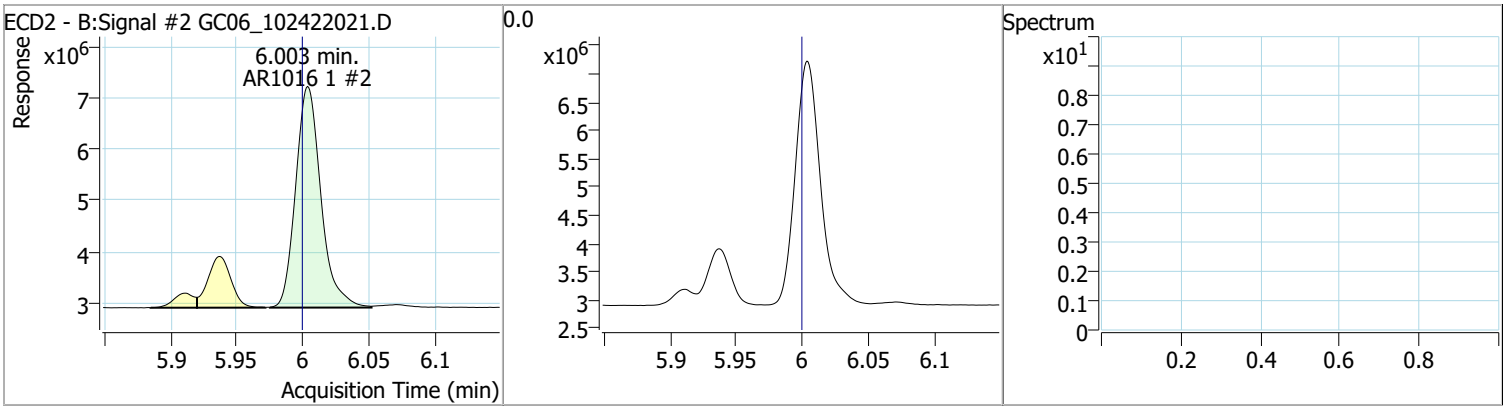
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	118.2063	5.50	0.00	23031168				



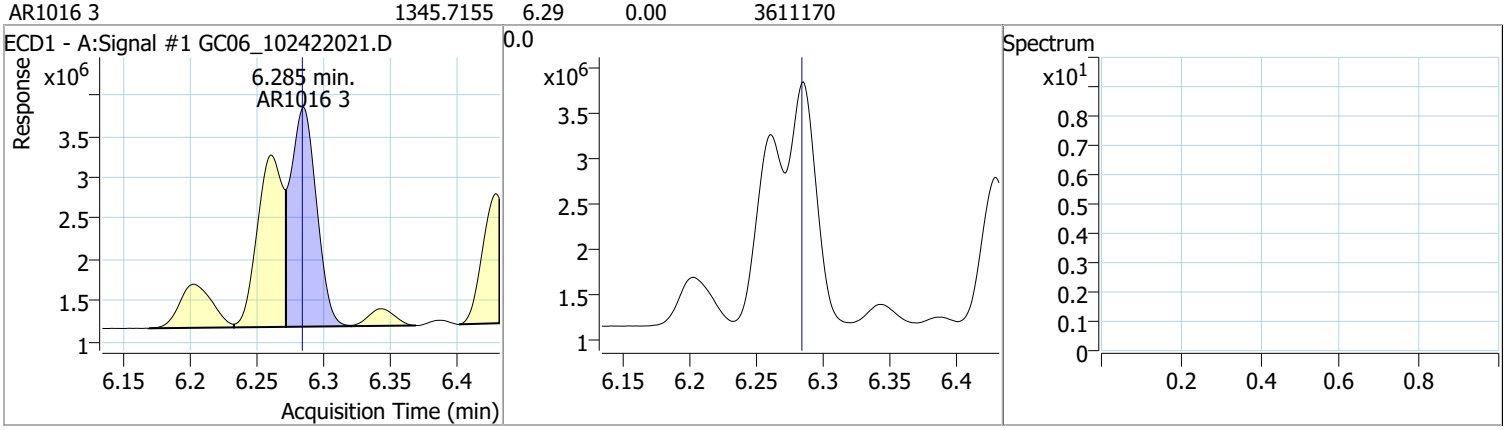
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1424.7519	5.80	0.00	3030711				



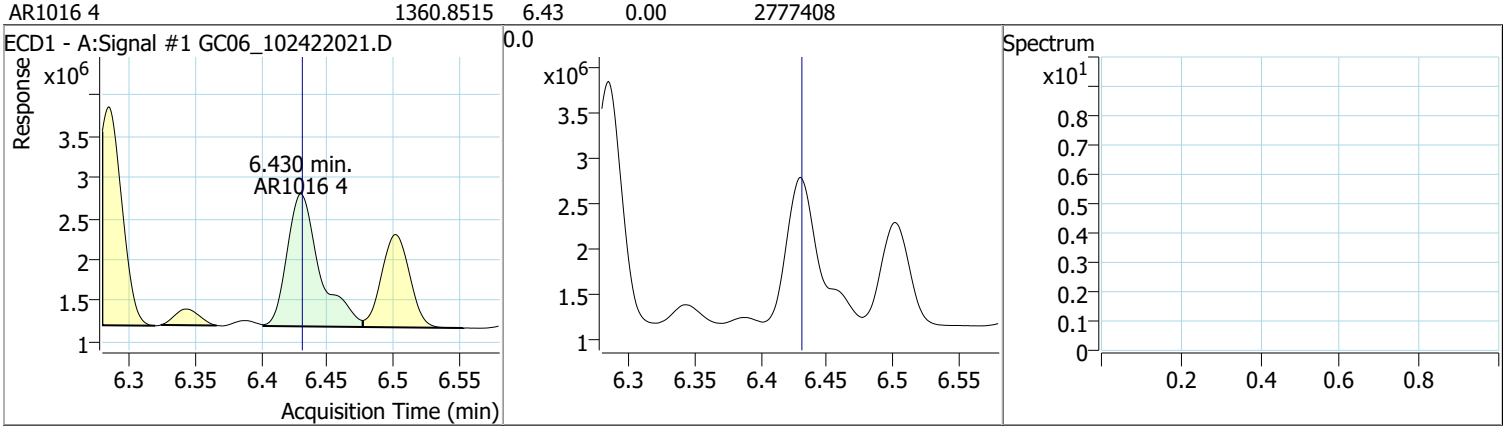
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1356.9347	6.00	0.00	5721647				



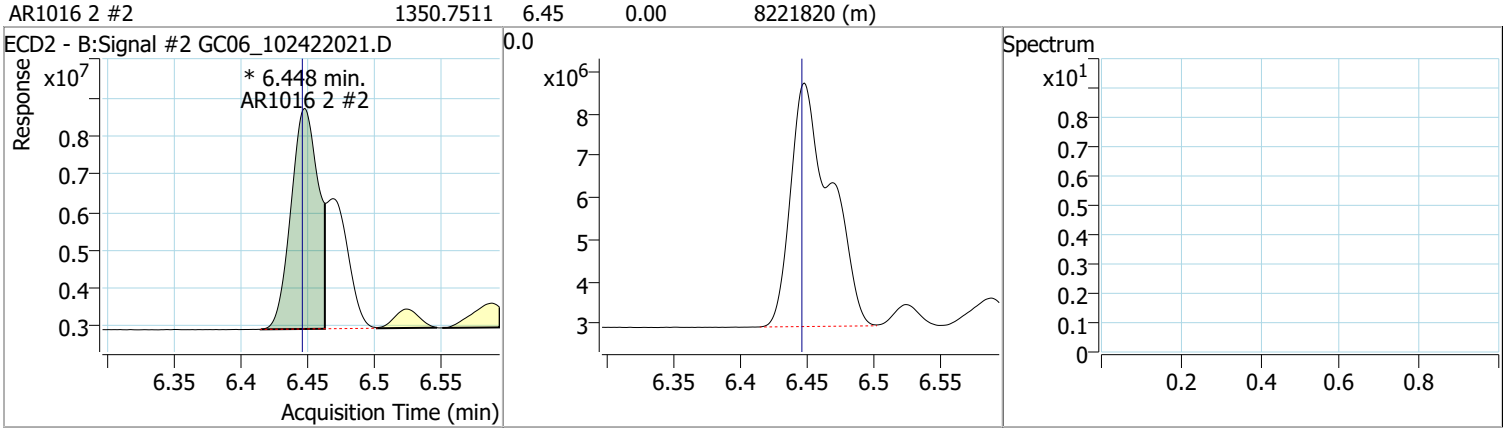
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1345.7155	6.29	0.00	3611170				



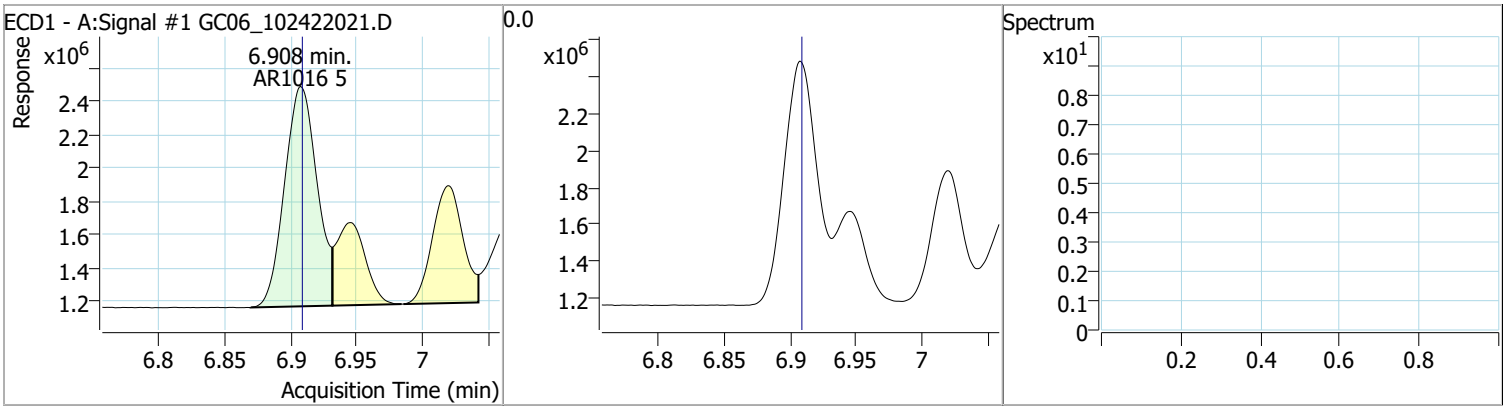
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1360.8515	6.43	0.00	2777408				



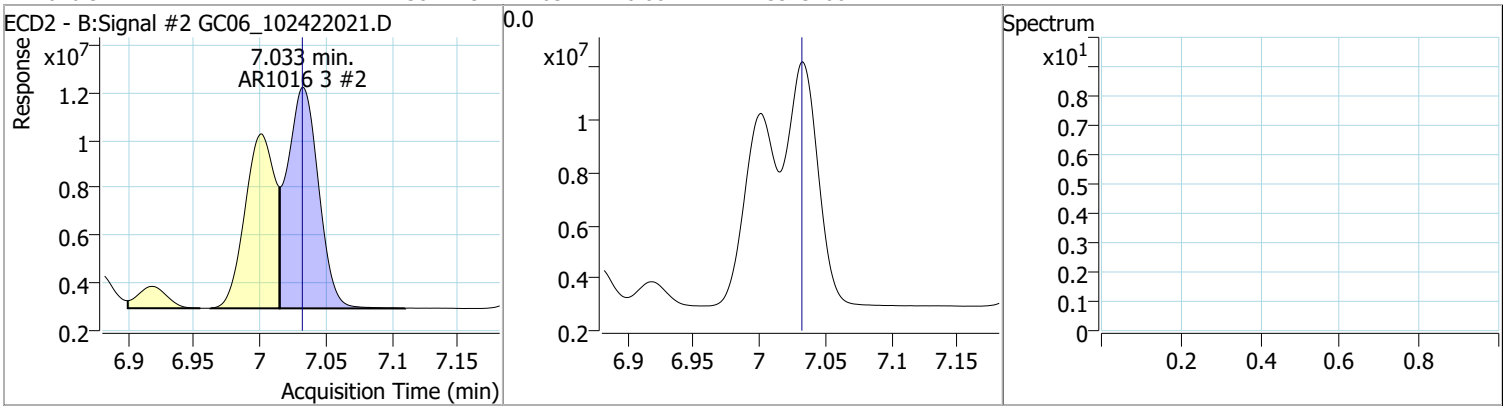
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1350.7511	6.45	0.00	8221820 (m)				



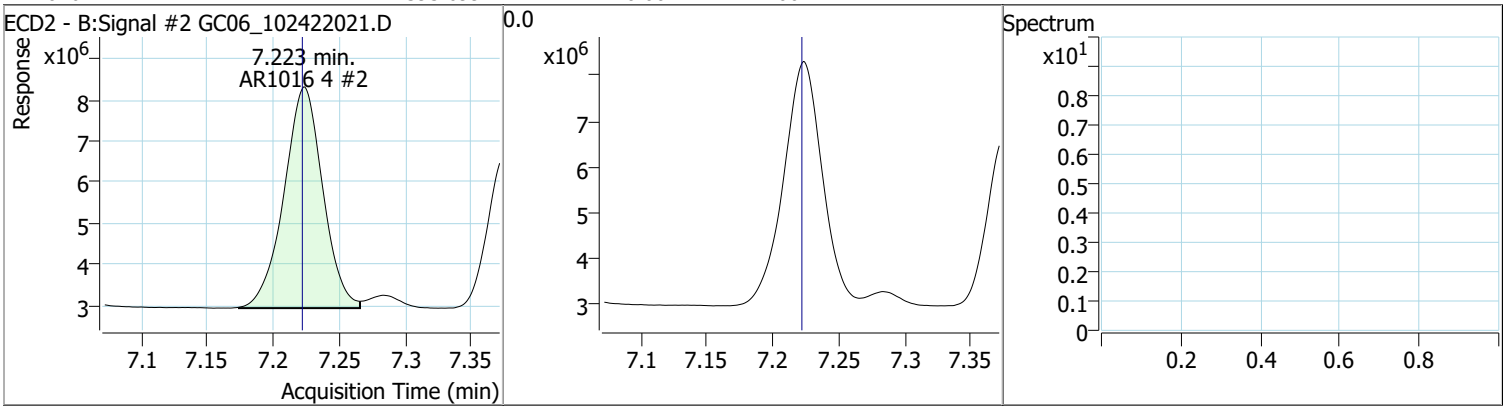
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1364.2649	6.91	0.00	2242692				



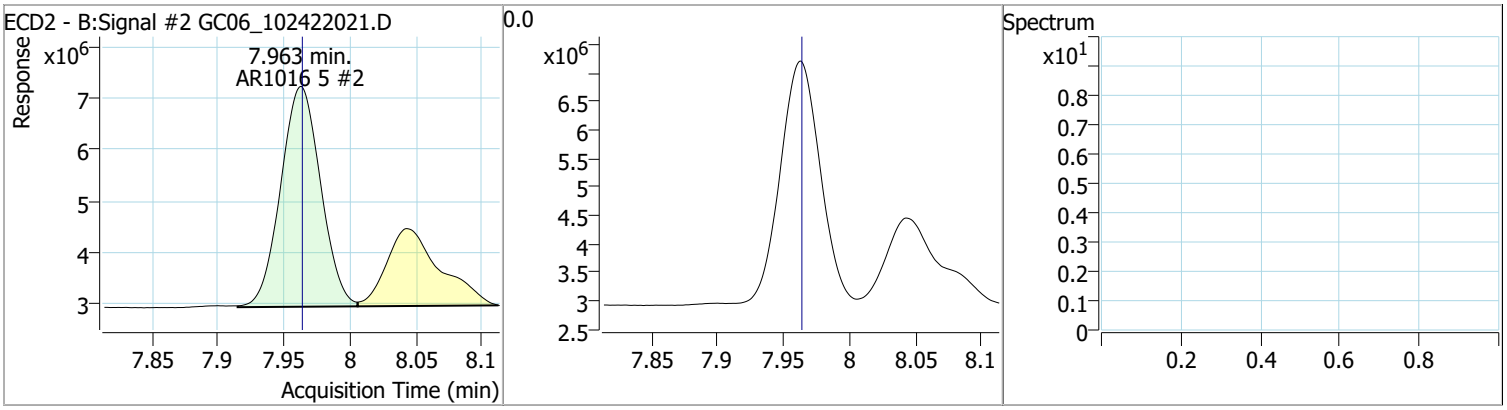
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1387.2792	7.03	0.00	15343106				



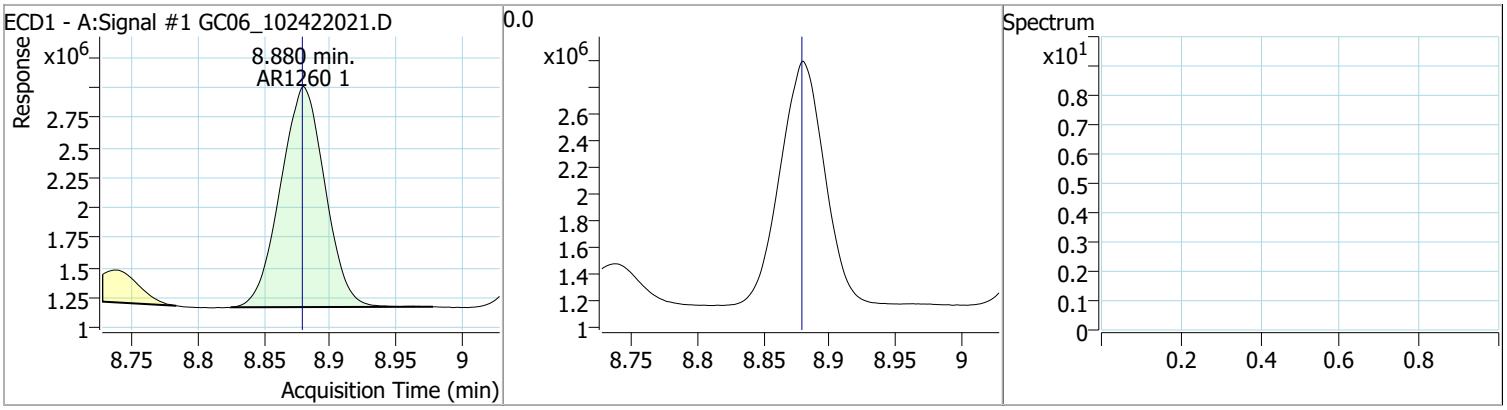
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1393.6991	7.22	0.00	11004271				



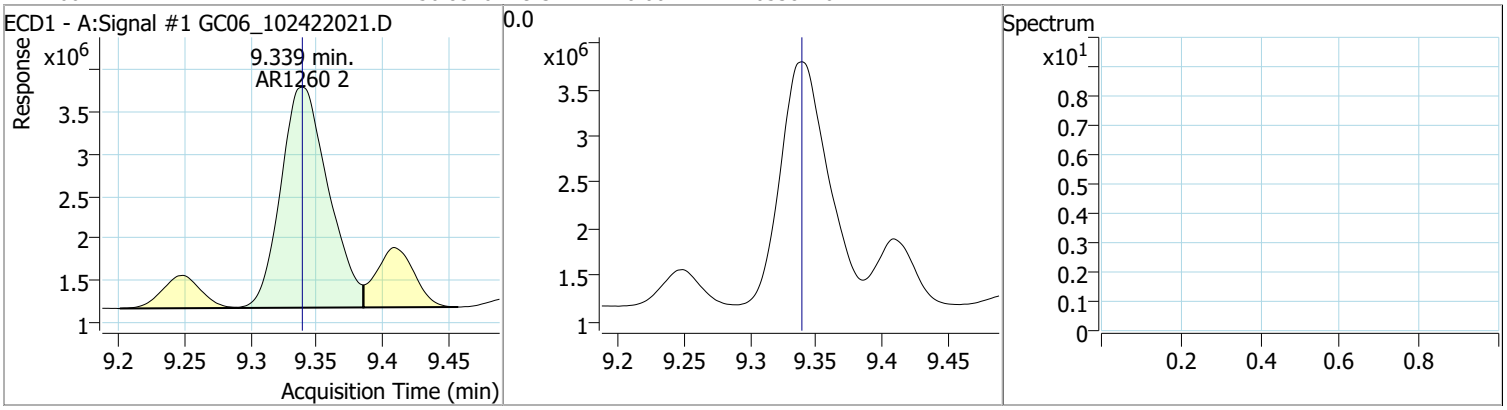
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1403.7375	7.96	0.00	9009188				



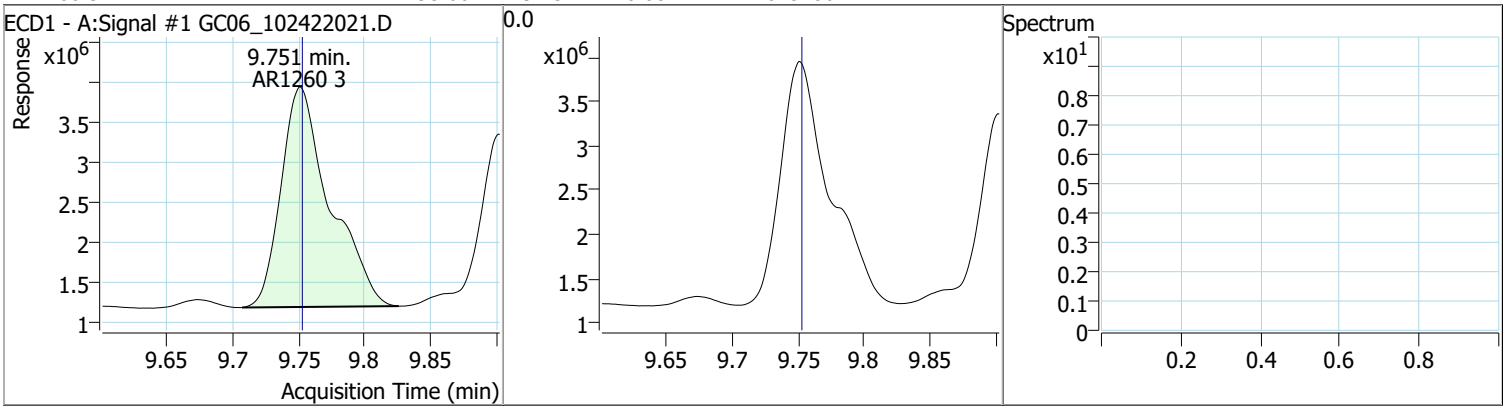
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1249.9957	8.88	0.00	4266432				



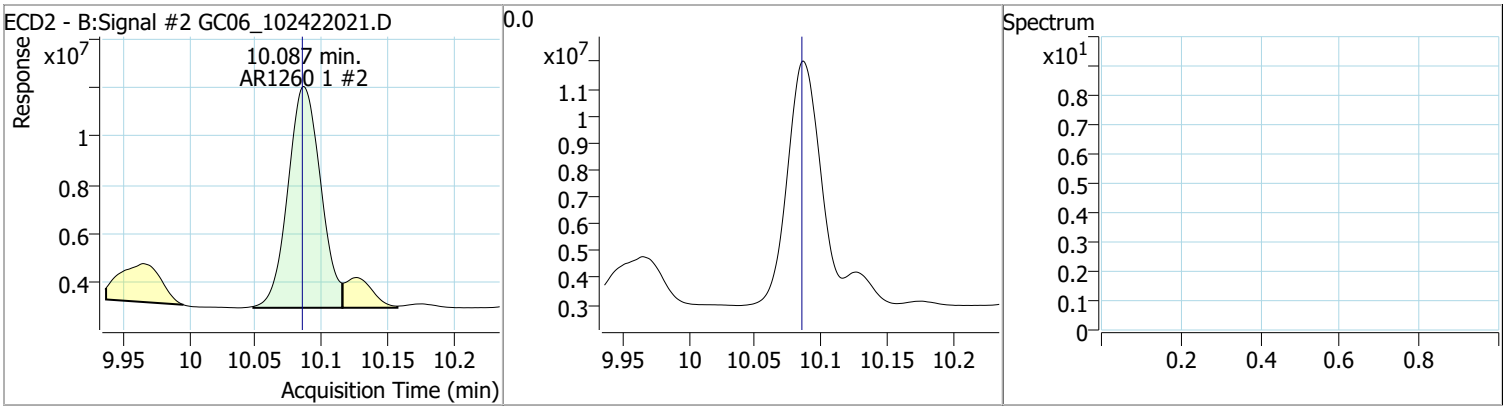
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1256.8526	9.34	0.00	6538470				



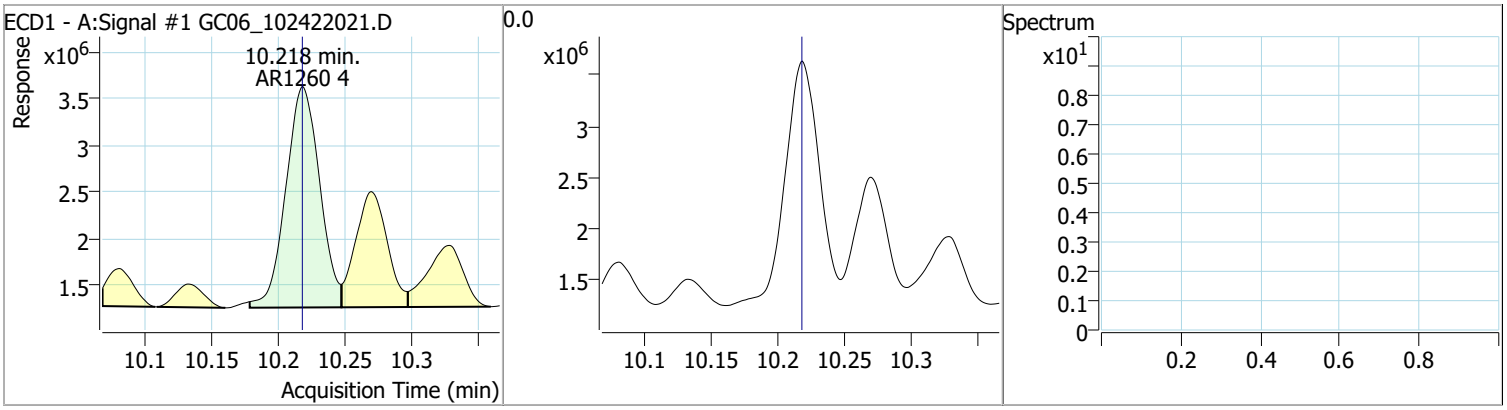
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1295.6677	9.75	0.00	7045186				



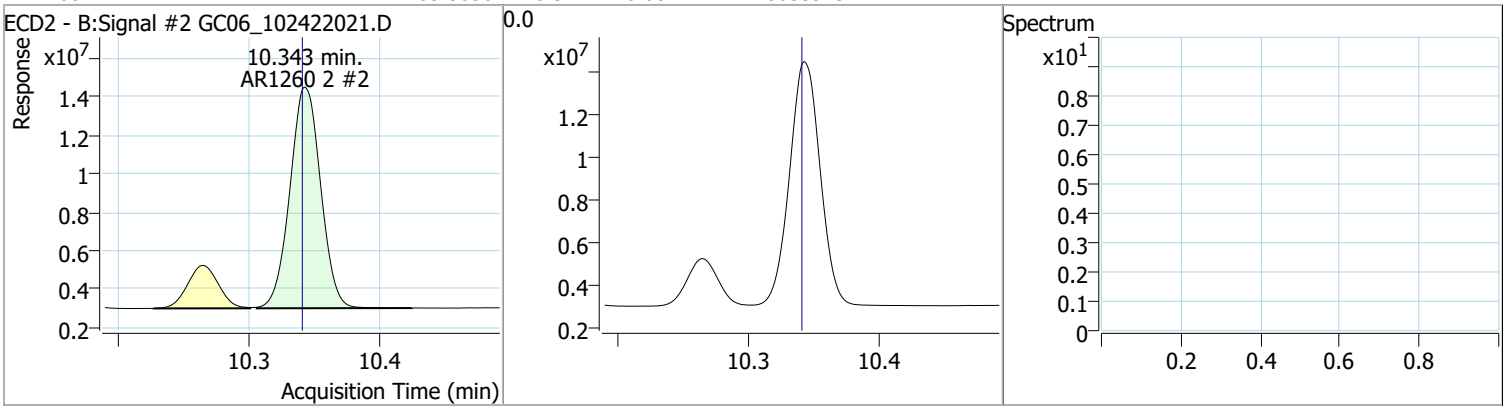
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1295.8237	10.09	0.00	15645490				



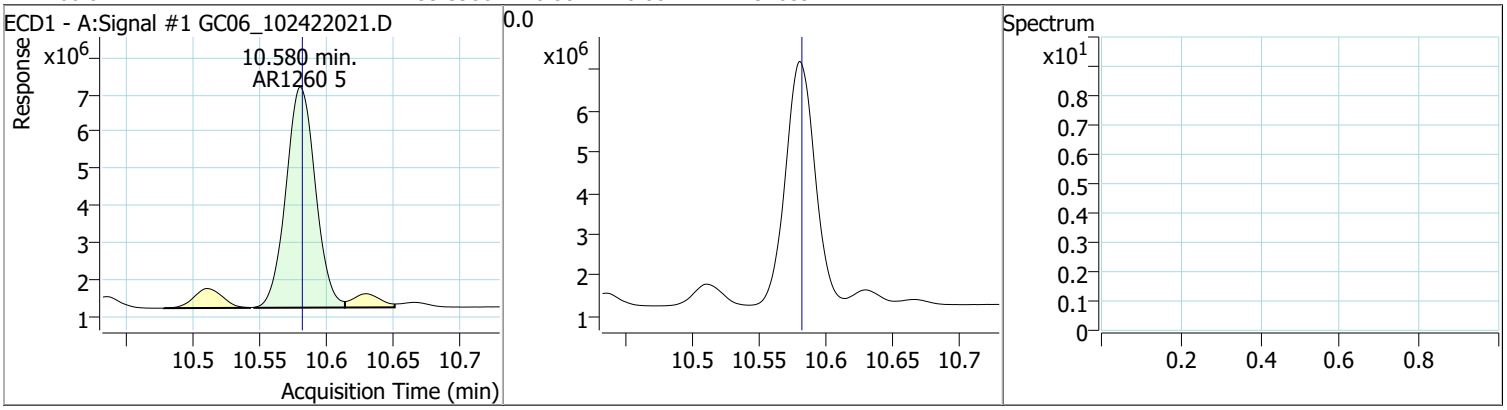
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1449.9072	10.22	0.00	4208394				



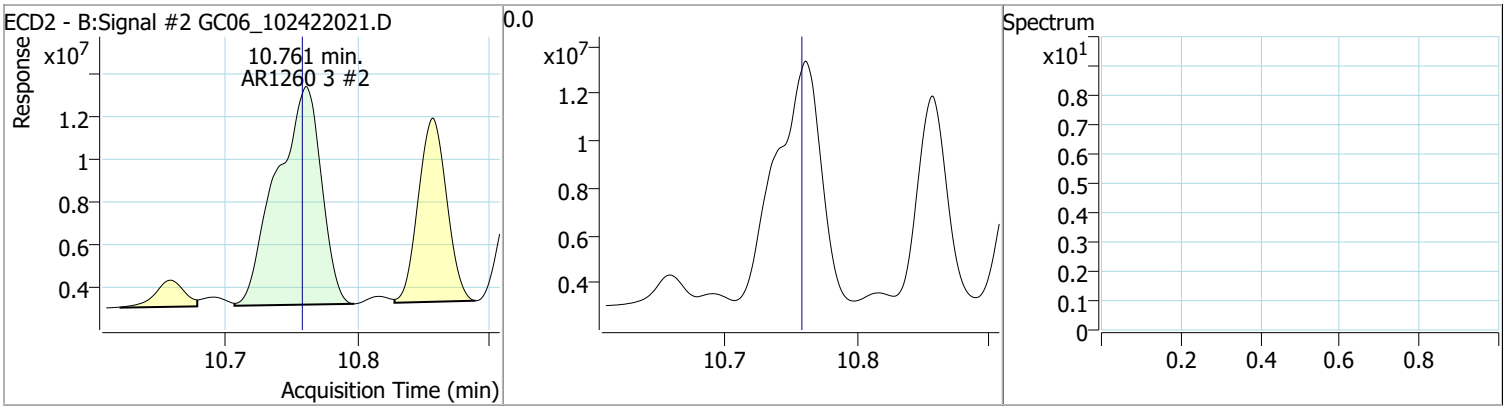
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1285.8656	10.34	0.00	18653949				



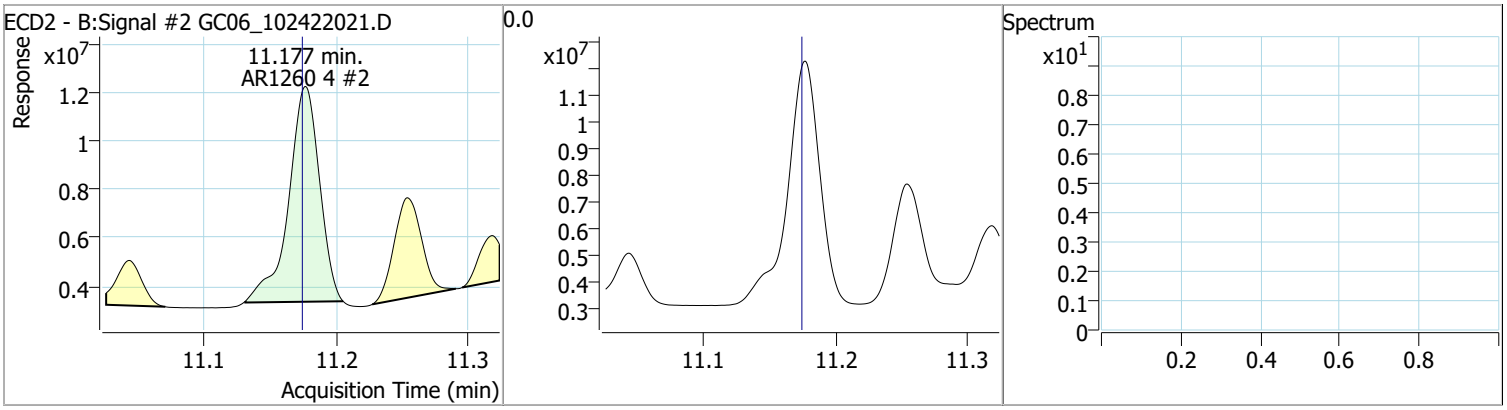
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1499.3950	10.58	0.00	9185947				



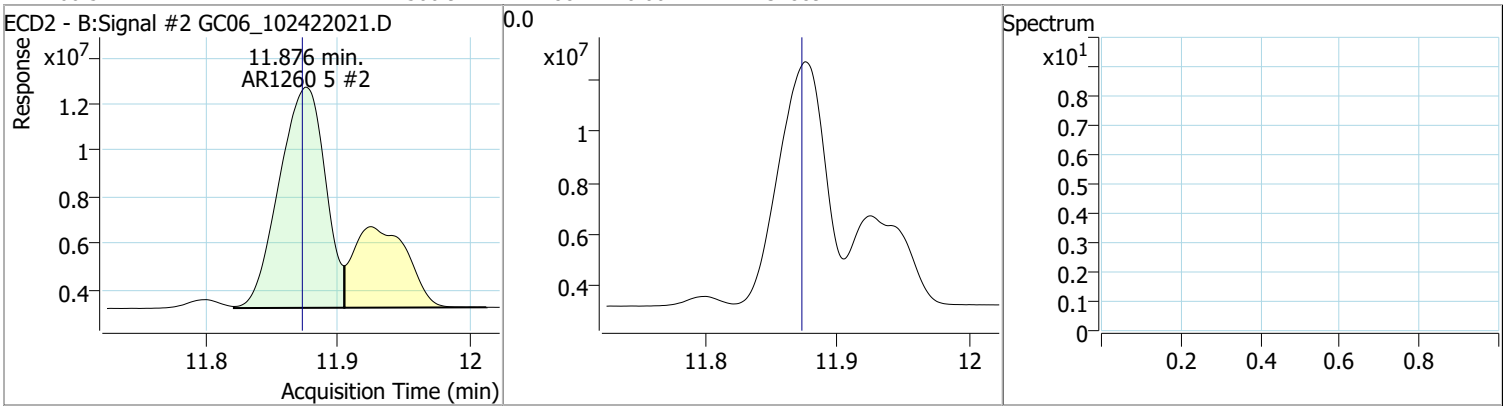
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1314.2961	10.76	0.00	24133857				



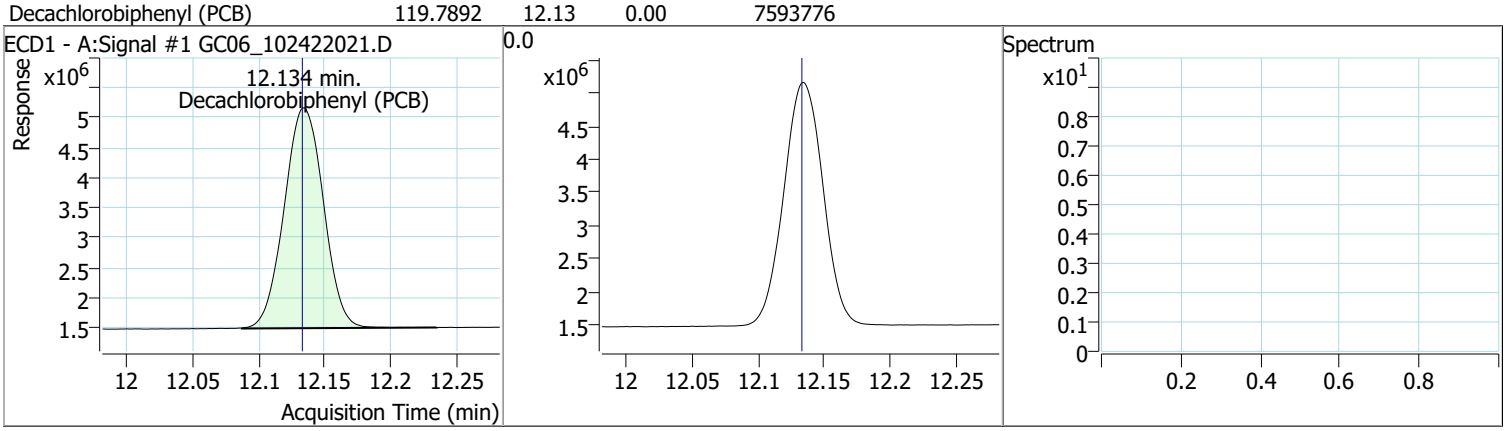
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1419.8121	11.18	0.00	14547609				



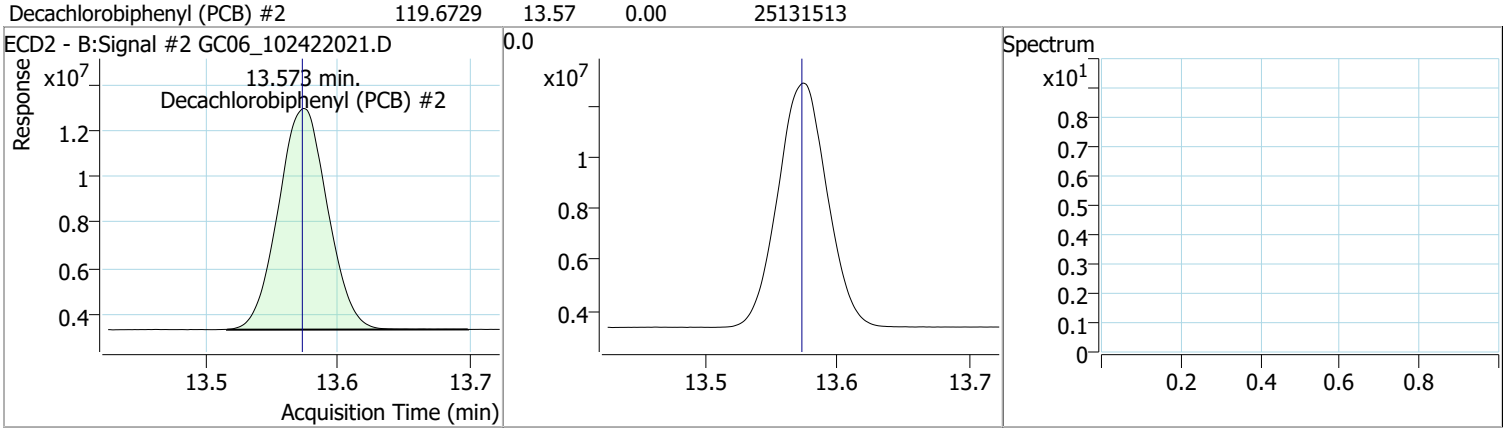
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1500.9271	11.88	0.00	23188941				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	119.7892	12.13	0.00	7593776				

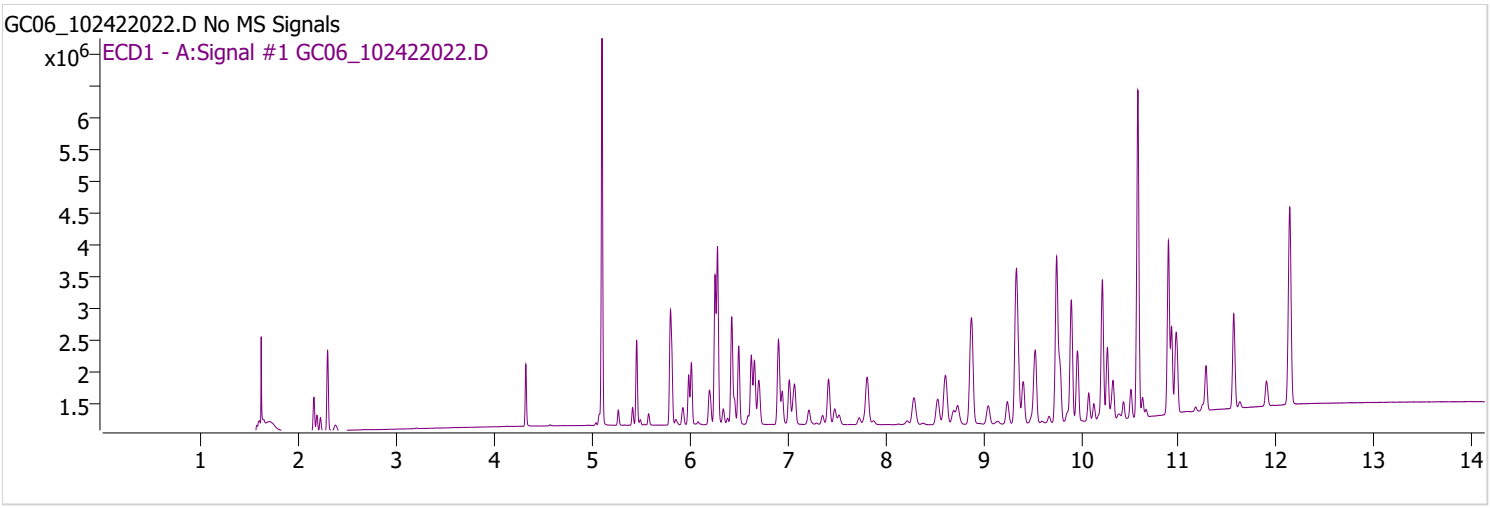


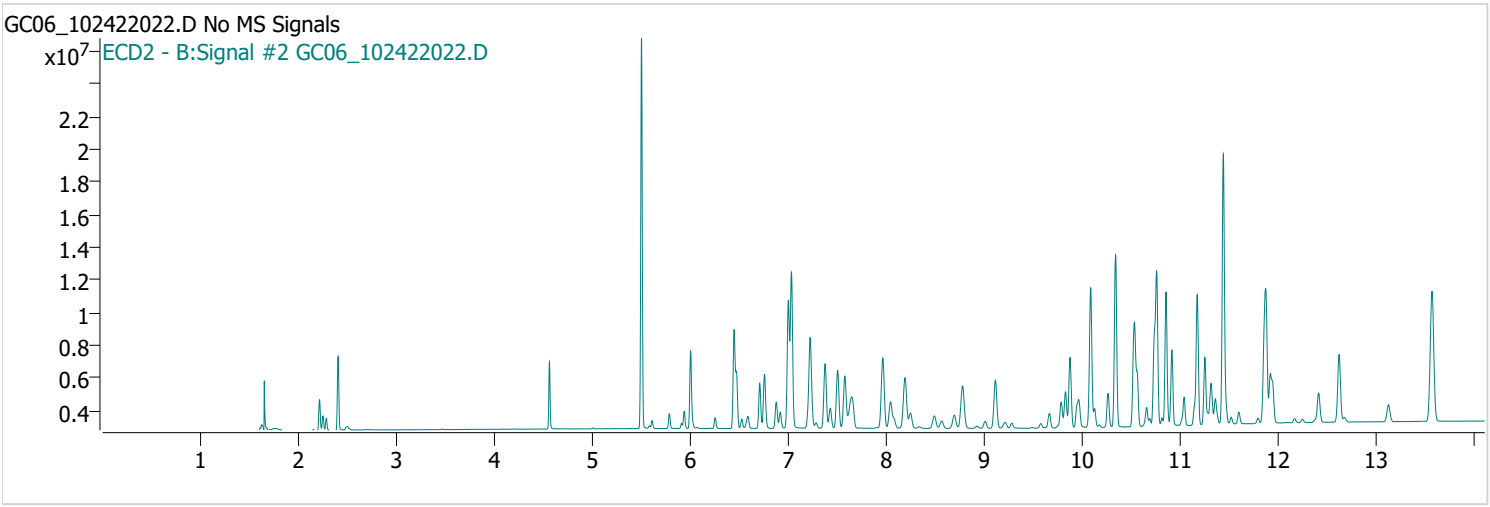
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	119.6729	13.57	0.00	25131513				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422022.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 7:49:40 PM
Sample Name	ICAL, S17271	Instrument	SVOA-GC06
Vial	19	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



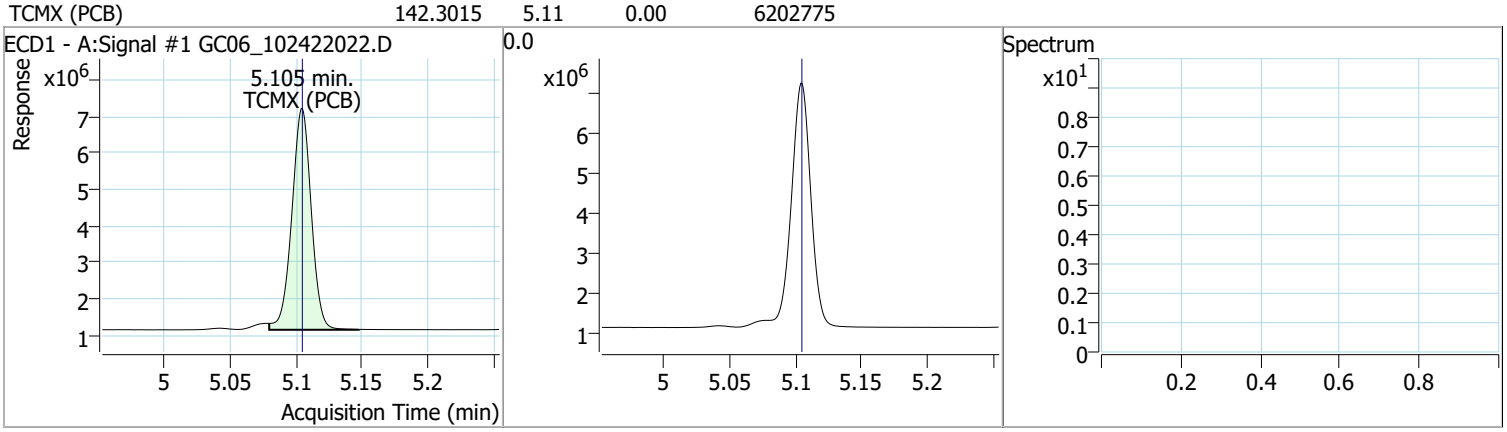


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.326	0.0	906626.221	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	3691149.717	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.105	0.0	6202774.952	142.3015	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 711.51%		*	
S TCMX (PCB) #2	5.503	0.0	25651002.263	144.7037	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 723.52%		*	
S Decachlorobiphenyl (PCB)	12.134	0.0	6098843.349	106.6672	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 533.34%		*	
S Decachlorobiphenyl (PCB) #2	13.573	0.0	20258174.033	105.7889	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 528.94%		*	
Target Compounds							QValue

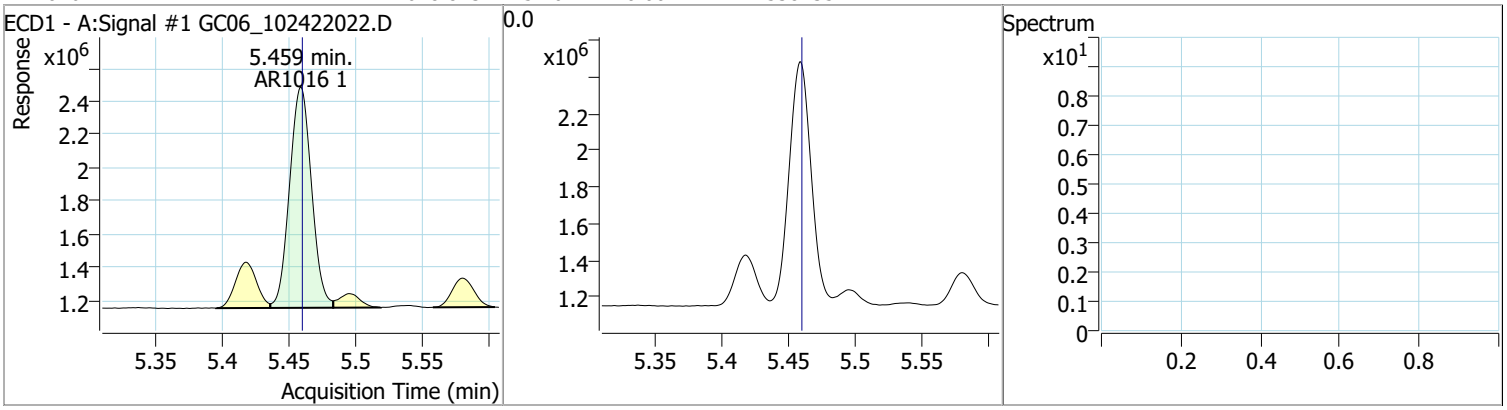
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.459	0.0	1538734.960	1618.8137	ng/ml		100
T AR1016 2	5.805	0.0	3184204.270	1669.3851	ng/ml		100
T AR1016 1 #2	6.003	0.0	6194471.019	1614.7027	ng/ml		100
T AR1016 3	6.285	0.0	3827451.052	1588.1636	ng/ml		100
T AR1016 4	6.431	0.0	2903211.966	1583.9087	ng/ml		100
T AR1016 2 #2	6.448	0.0	8887205.164	1604.8078	ng/ml	m	100
T AR1016 5	6.908	0.0	2292606.771	1552.8837	ng/ml		100
T AR1016 3 #2	7.033	0.0	15846370.157	1574.8198	ng/ml		100
T AR1016 4 #2	7.223	0.0	11463840.690	1595.8363	ng/ml		100
T AR1016 5 #2	7.966	0.0	9161537.220	1568.9859	ng/ml		100
T AR1260 1	8.881	0.0	4117618.549	1343.2907	ng/ml		100
T AR1260 2	9.341	0.0	6106282.504	1306.9692	ng/ml		100
T AR1260 3	9.752	0.0	6524007.873	1335.9676	ng/ml		100
T AR1260 1 #2	10.088	0.0	14980655.669	1363.7603	ng/ml		100
T AR1260 4	10.219	0.0	3788830.282	1453.5184	ng/ml		100
T AR1260 2 #2	10.343	0.0	17403792.021	1318.6185	ng/ml		100
T AR1260 5	10.582	0.0	8046003.993	1461.9072	ng/ml		100
T AR1260 3 #2	10.761	0.0	22258325.428	1332.3228	ng/ml		100
T AR1260 4 #2	11.176	0.0	13342427.945	1431.4709	ng/ml		100
T AR1260 5 #2	11.873	0.0	20128855.663	1431.1606	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

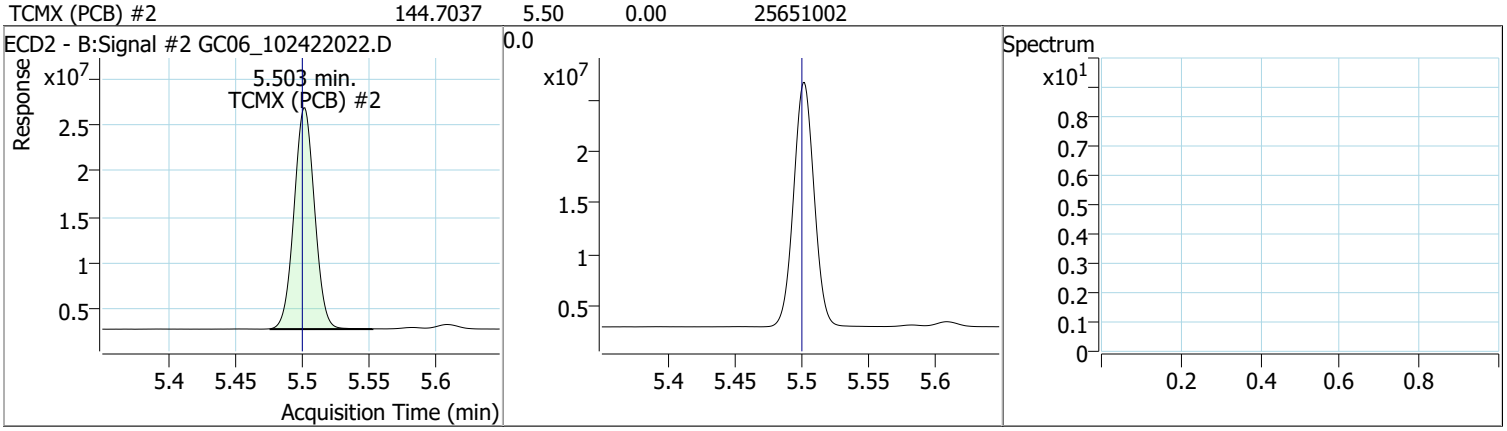
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	142.3015	5.11	0.00	6202775				



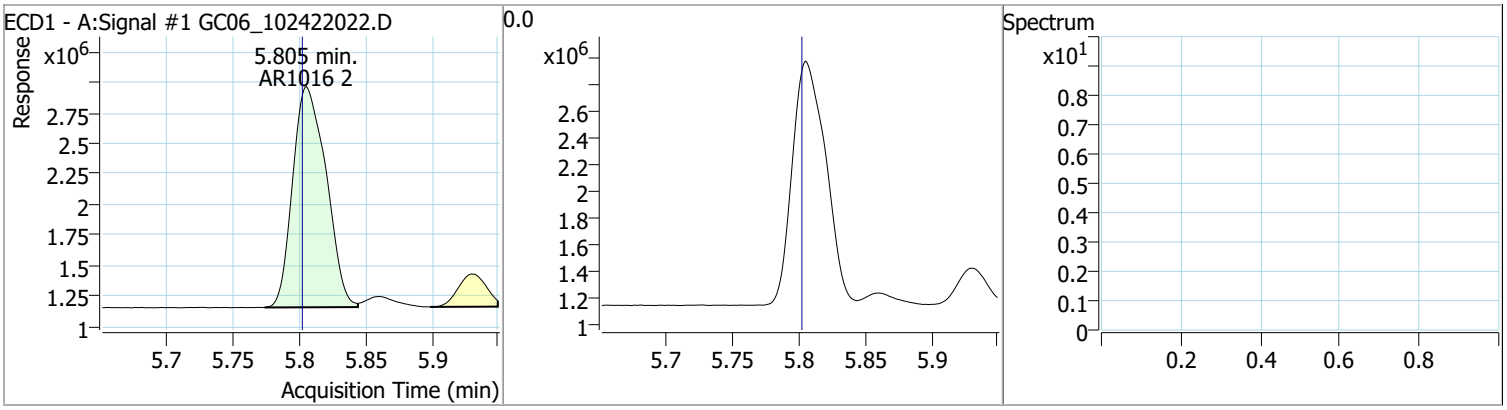
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1618.8137	5.46	0.00	1538735				



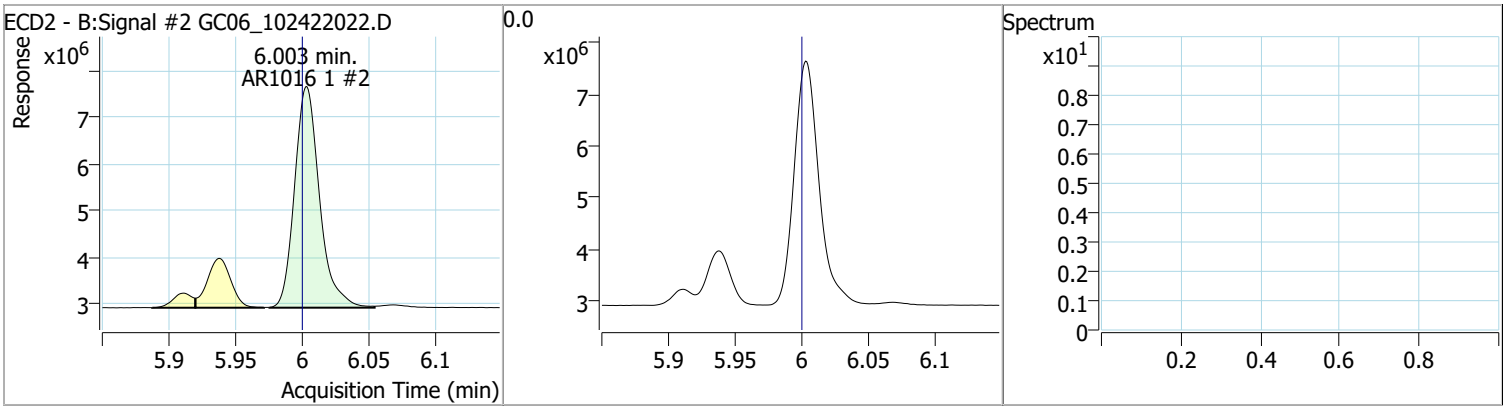
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	144.7037	5.50	0.00	25651002				



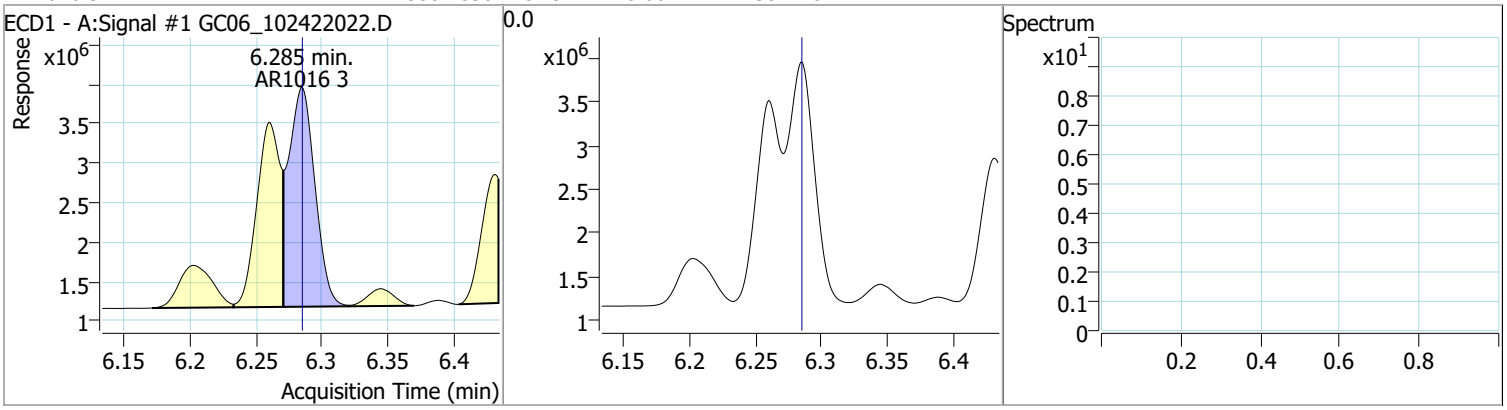
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1669.3851	5.81	0.00	3184204				



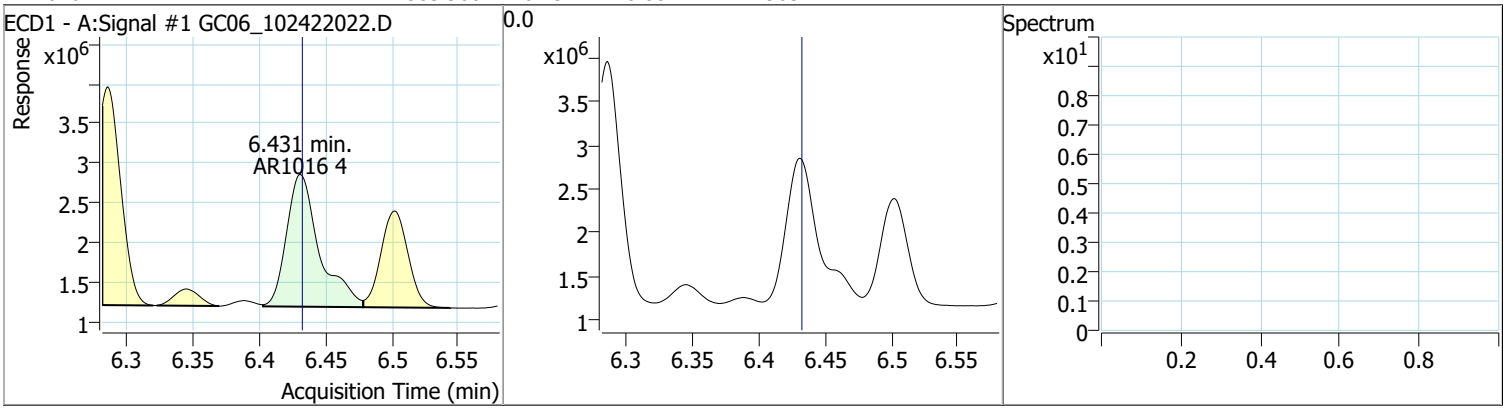
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1614.7027	6.00	0.00	6194471				



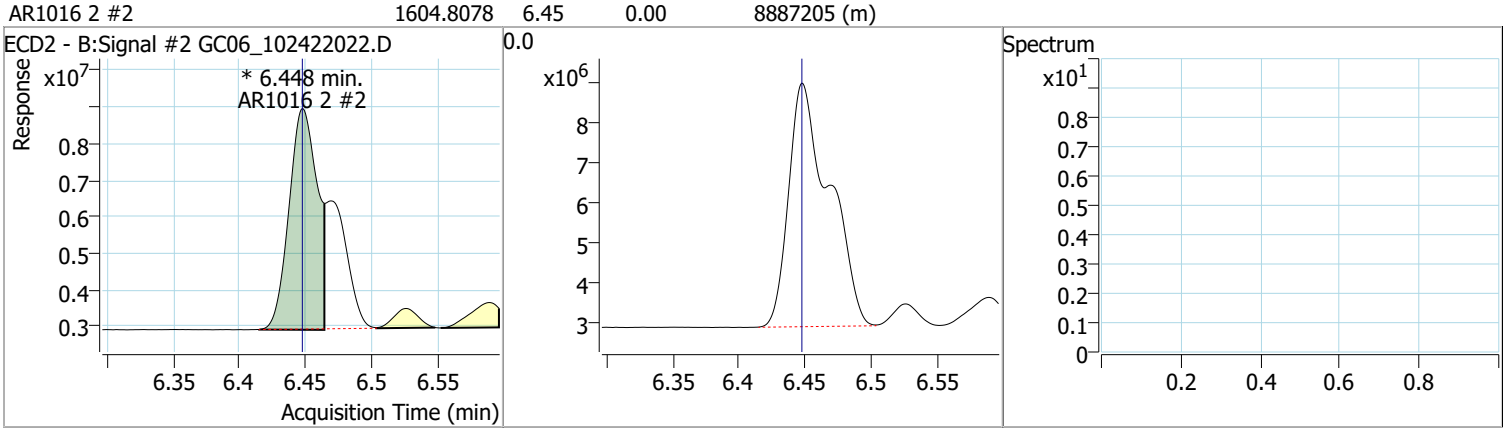
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1588.1636	6.29	0.00	3827451				



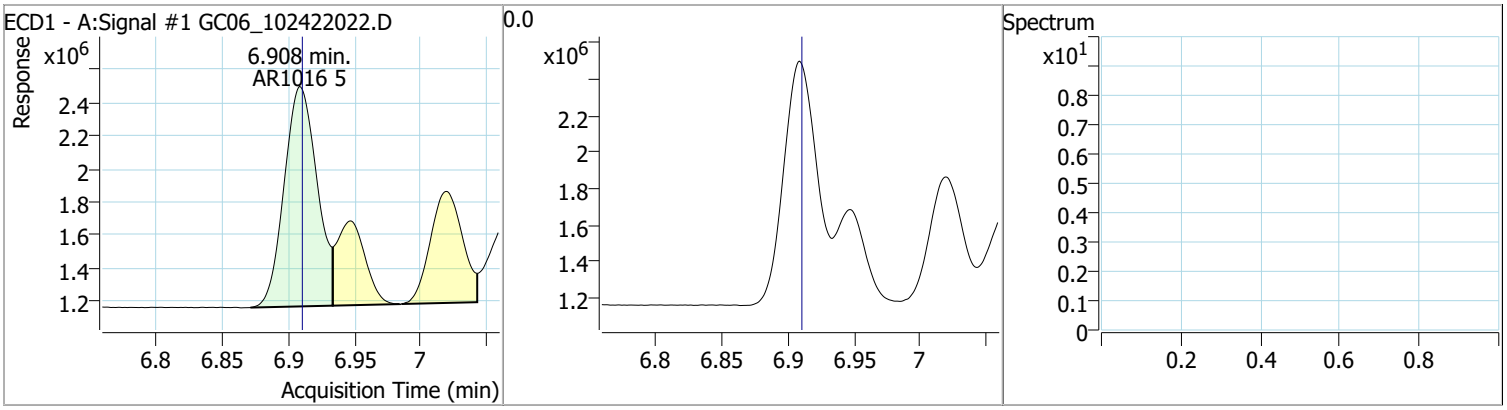
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1583.9087	6.43	0.00	2903212				



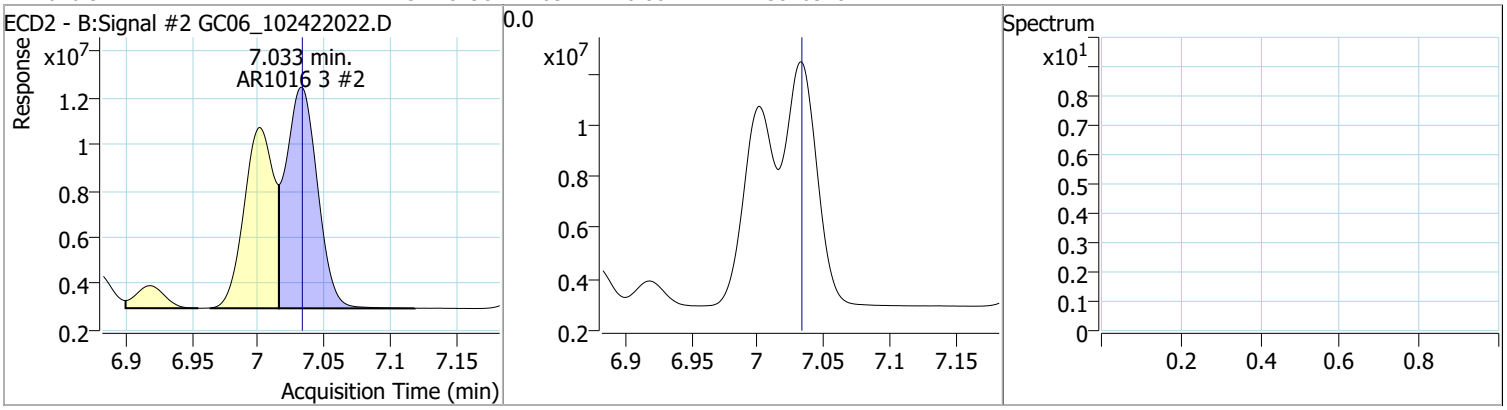
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1604.8078	6.45	0.00	8887205 (m)				



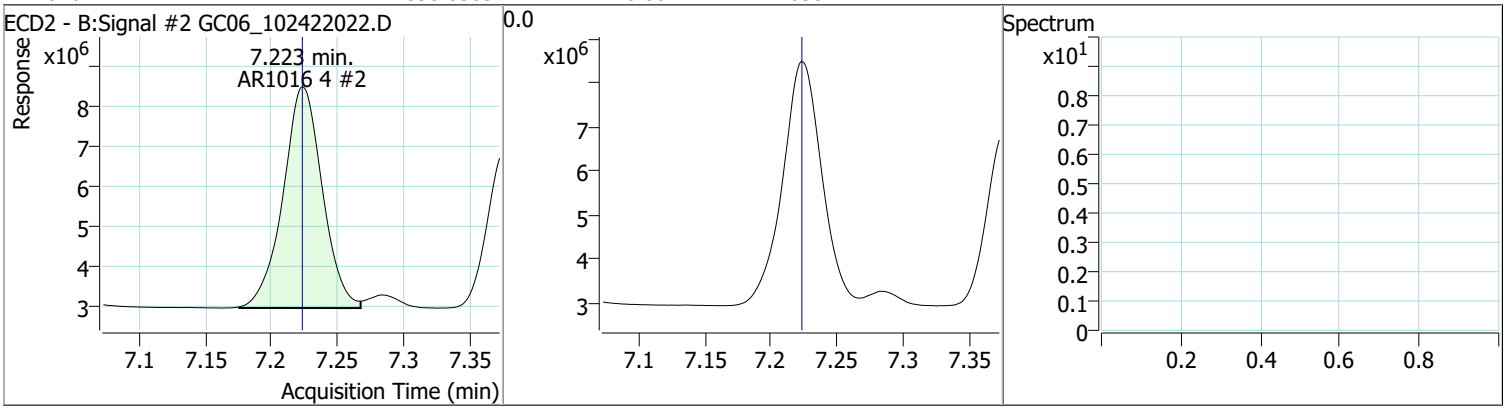
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1552.8837	6.91	0.00	2292607				



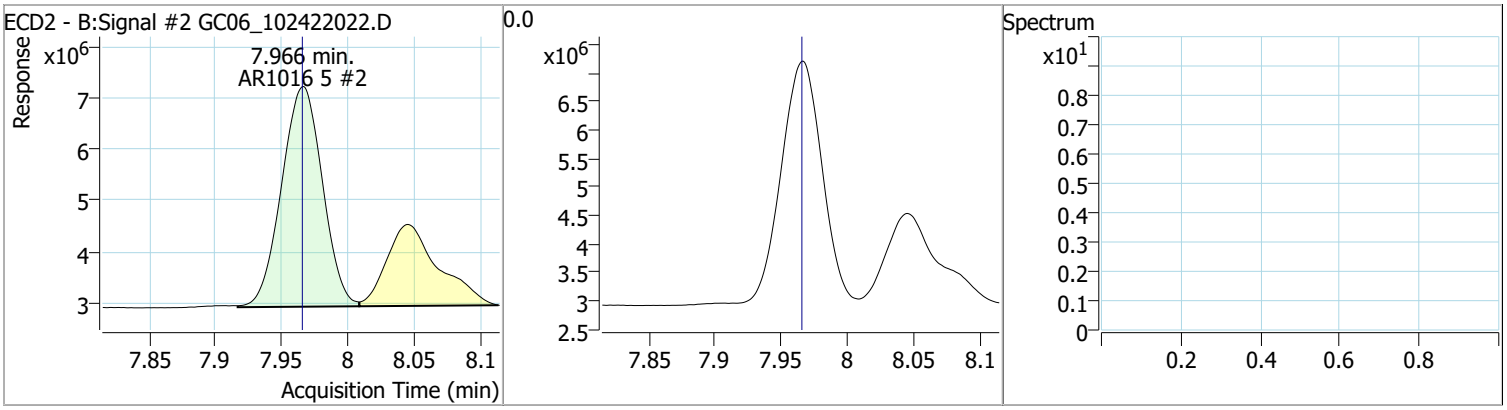
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1574.8198	7.03	0.00	15846370				



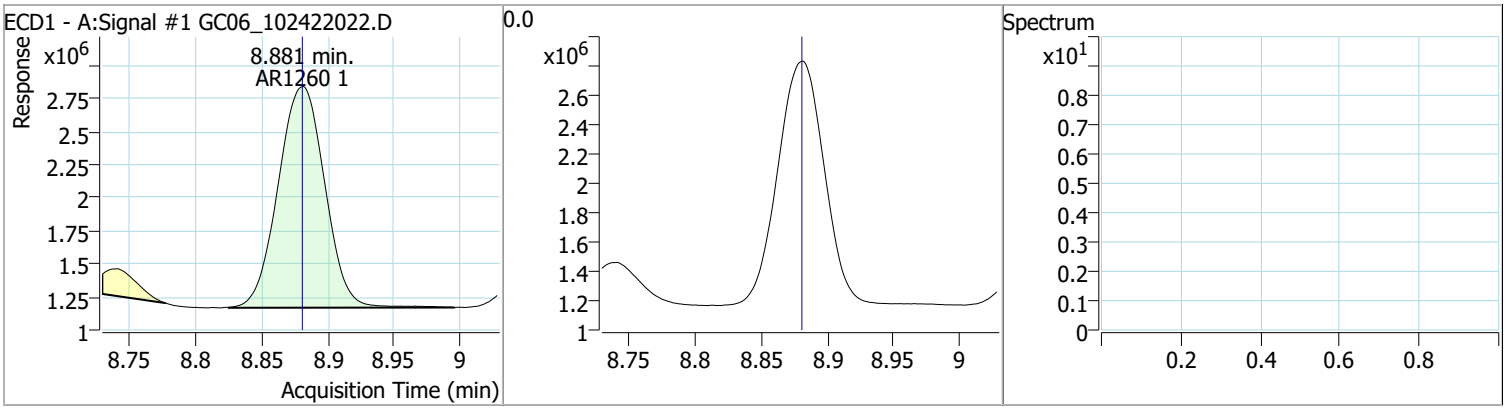
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1595.8363	7.22	0.00	11463841				



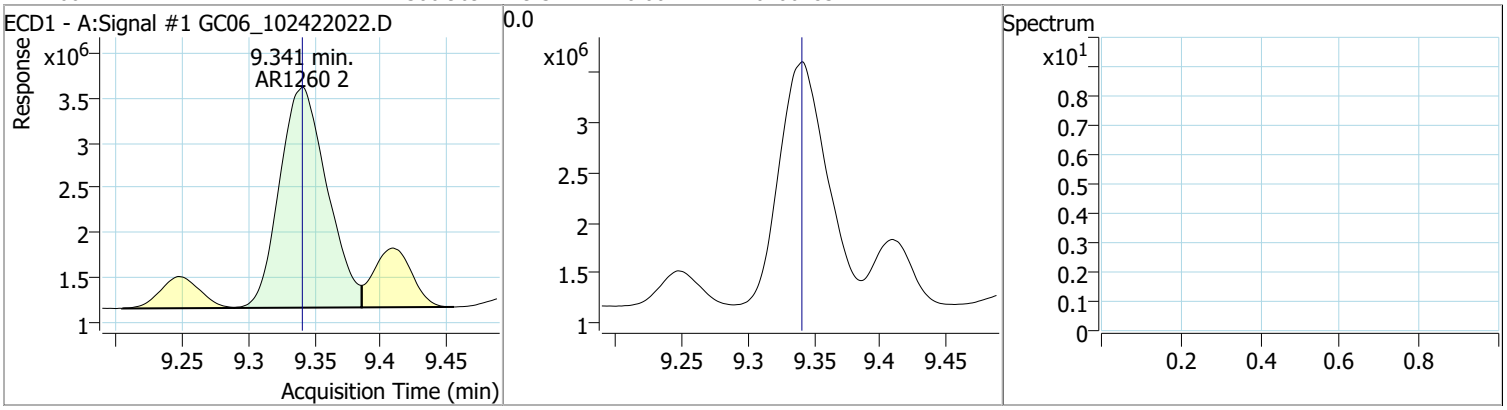
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1568.9859	7.97	0.00	9161537				



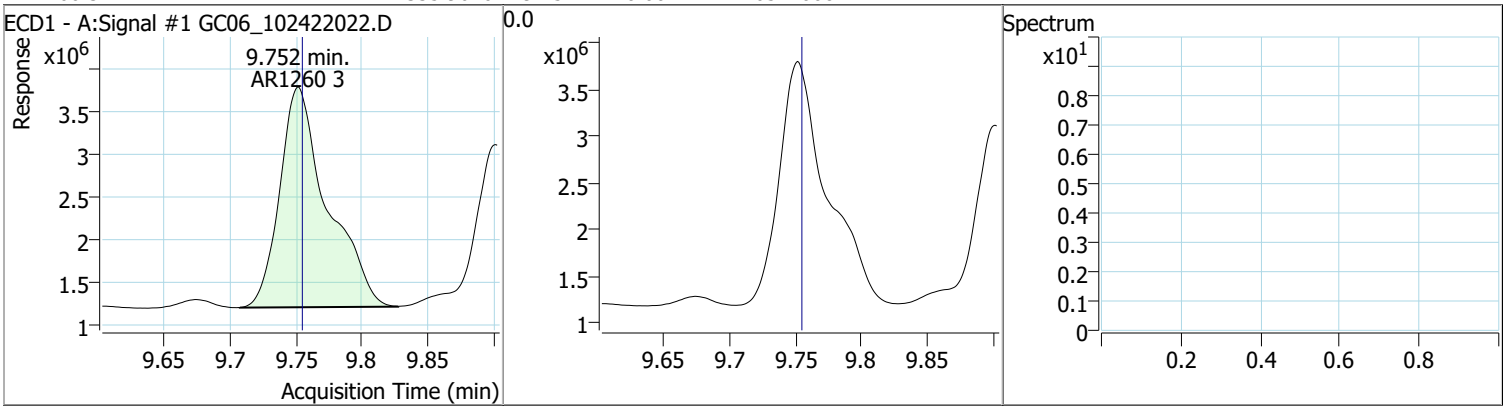
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1343.2907	8.88	0.00	4117619				



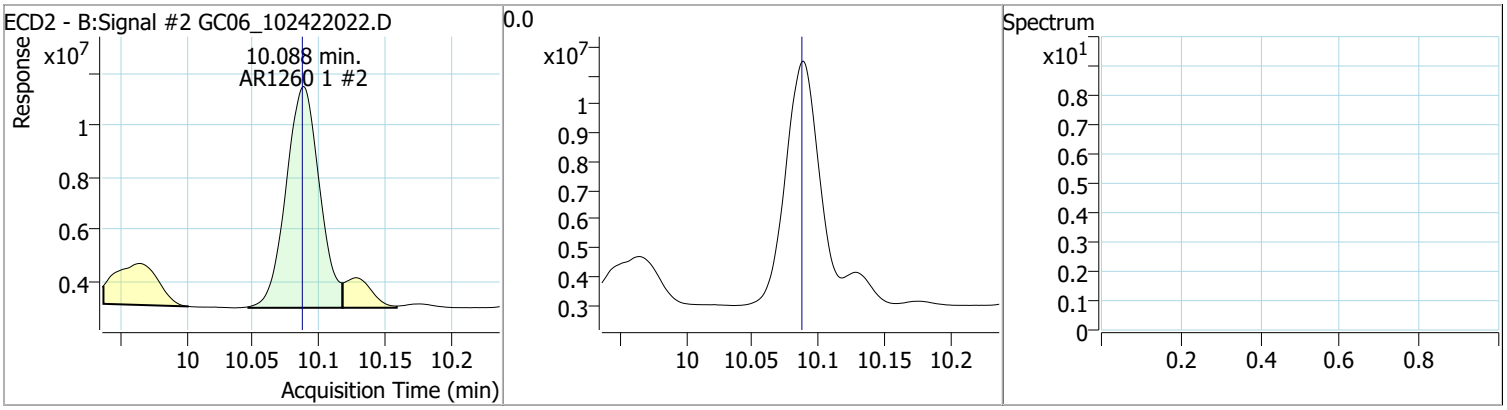
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1306.9692	9.34	0.00	6106283				



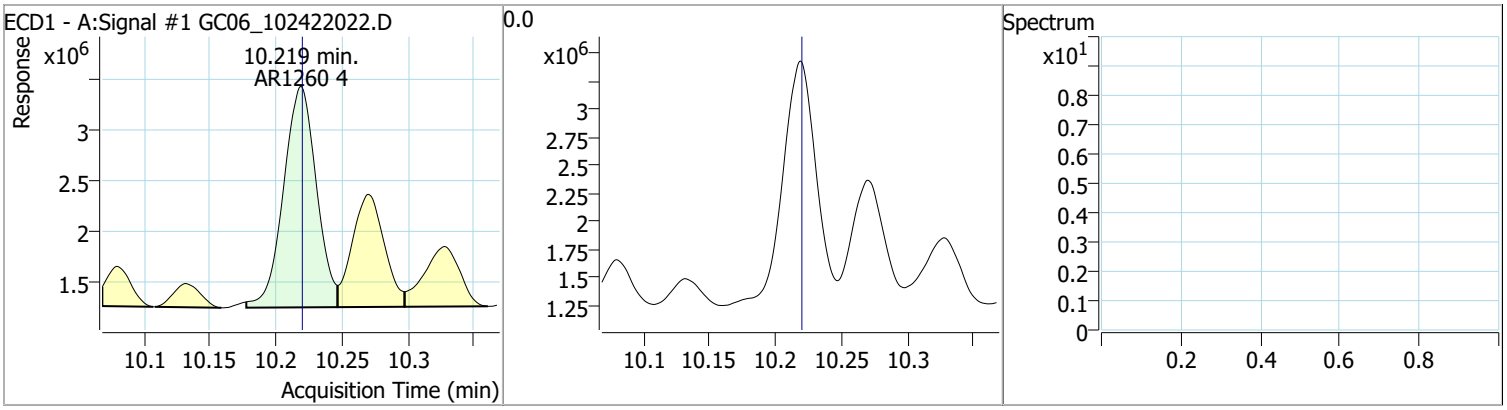
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1335.9676	9.75	0.00	6524008				



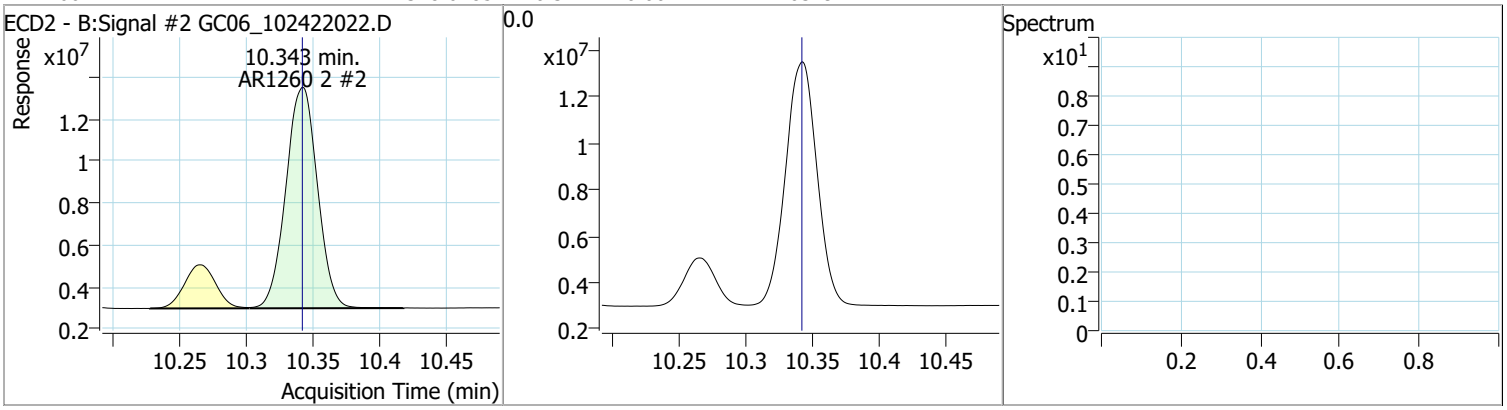
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1363.7603	10.09	0.00	14980656				



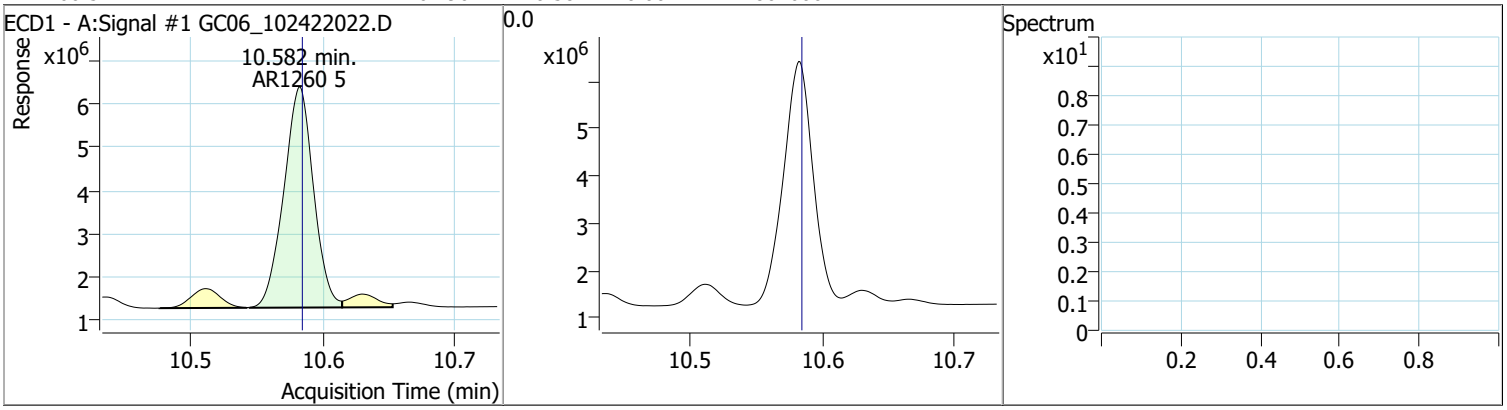
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1453.5184	10.22	0.00	3788830				



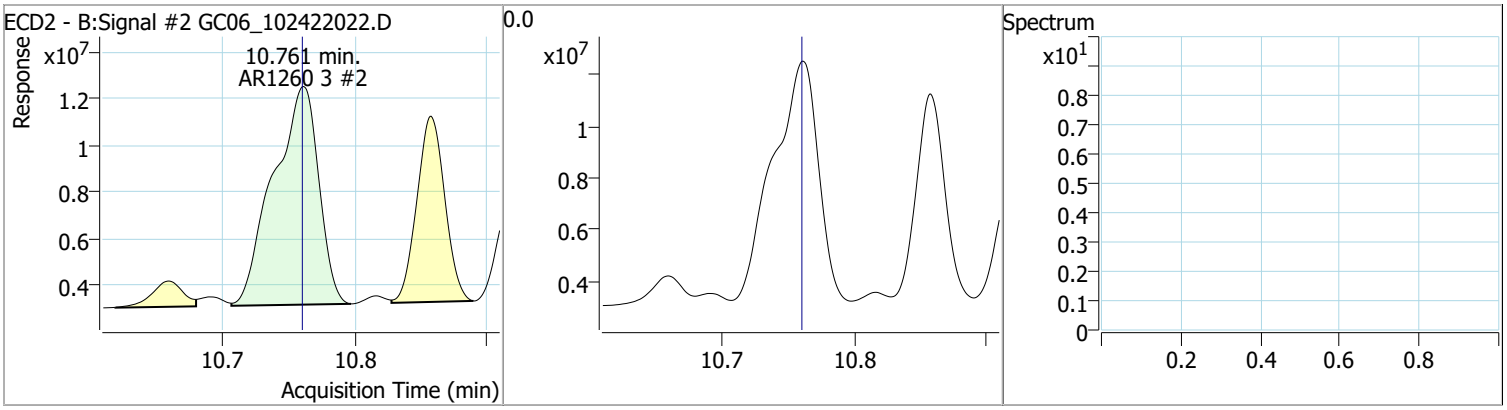
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1318.6185	10.34	0.00	17403792				



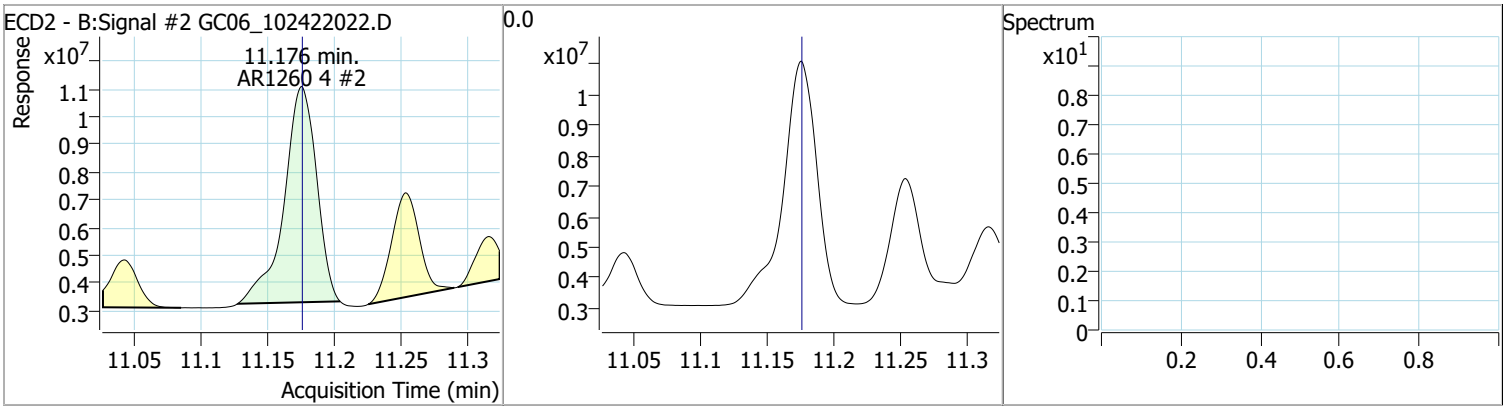
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1461.9072	10.58	0.00	8046004				



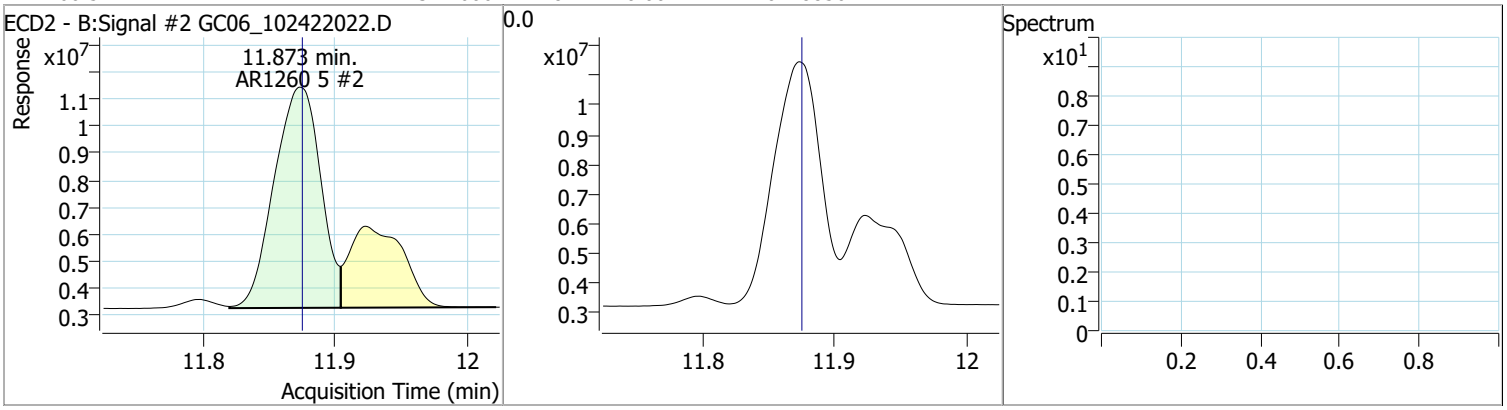
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1332.3228	10.76	0.00	22258325				



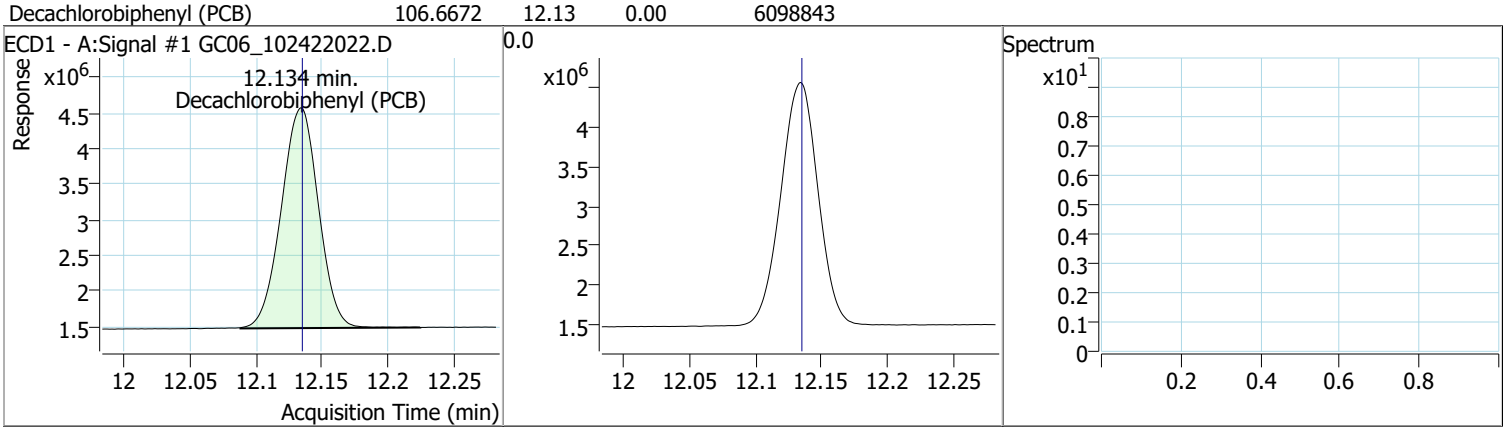
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1431.4709	11.18	0.00	13342428				



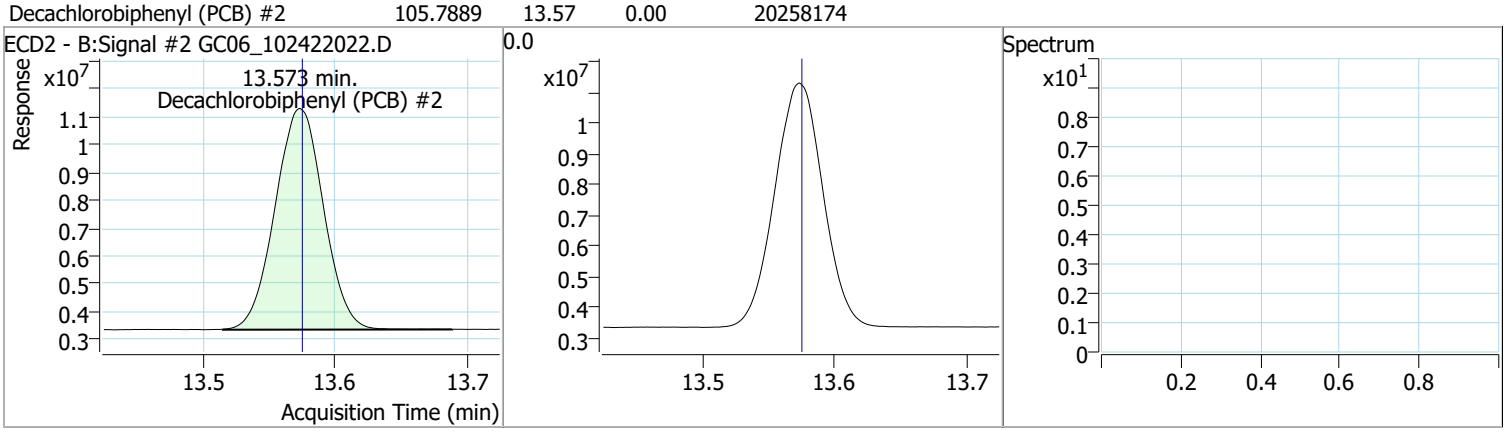
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1431.1606	11.87	0.00	20128856				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	106.6672	12.13	0.00	6098843				

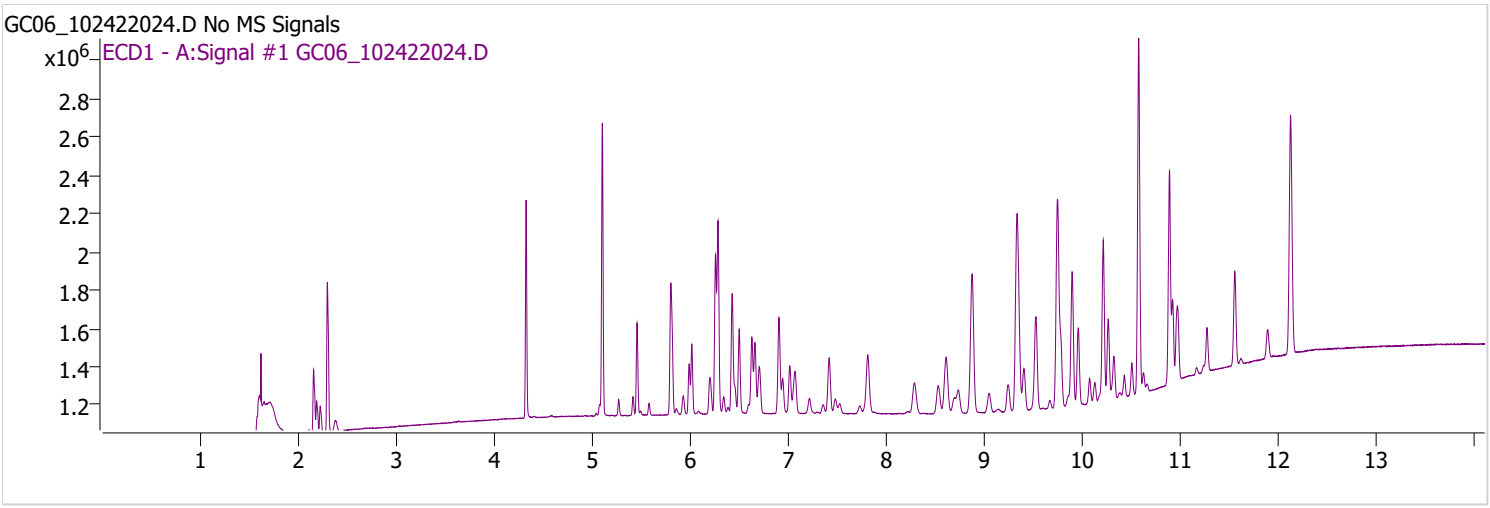


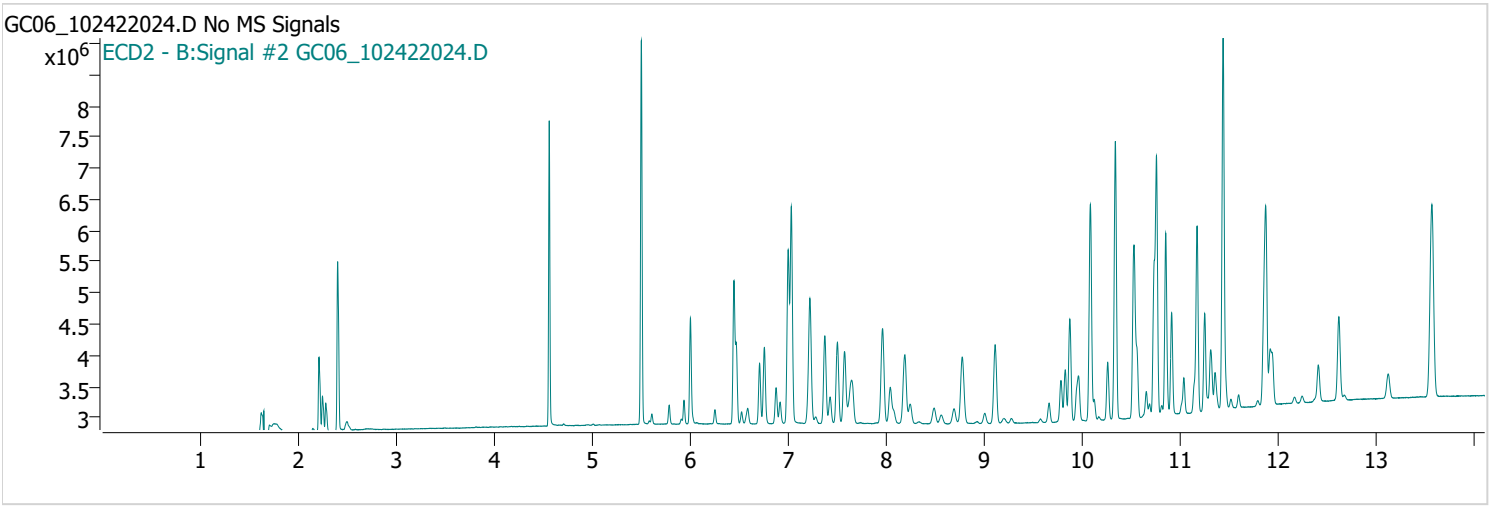
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	105.7889	13.57	0.00	20258174				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422024.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 8:25:35 PM
Sample Name	ICV, S17235	Instrument	SVOA-GC06
Vial	20	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



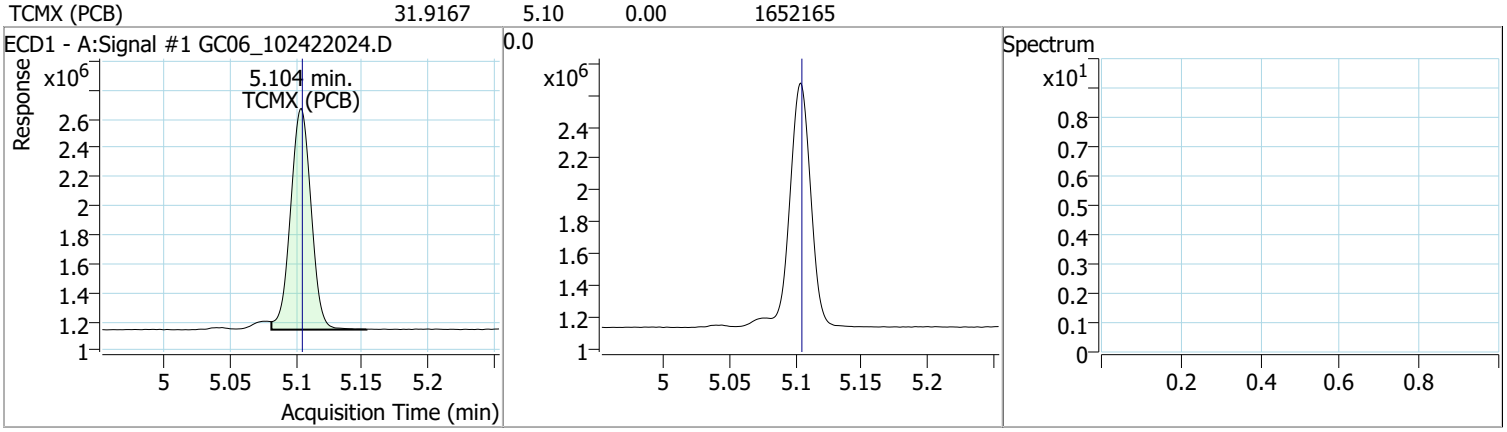


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.326	0.0	1076682.196	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	4397148.902	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.104	0.0	1652164.770	31.9167	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 159.58%		*	
S TCMX (PCB) #2	5.503	0.0	6722893.316	31.8363	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 159.18%		*	
S Decachlorobiphenyl (PCB)	12.132	0.0	2466843.073	33.4800	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 167.40%		*	
S Decachlorobiphenyl (PCB) #2	13.575	0.0	8011248.396	33.7063	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 168.53%		*	
Target Compounds							QValue

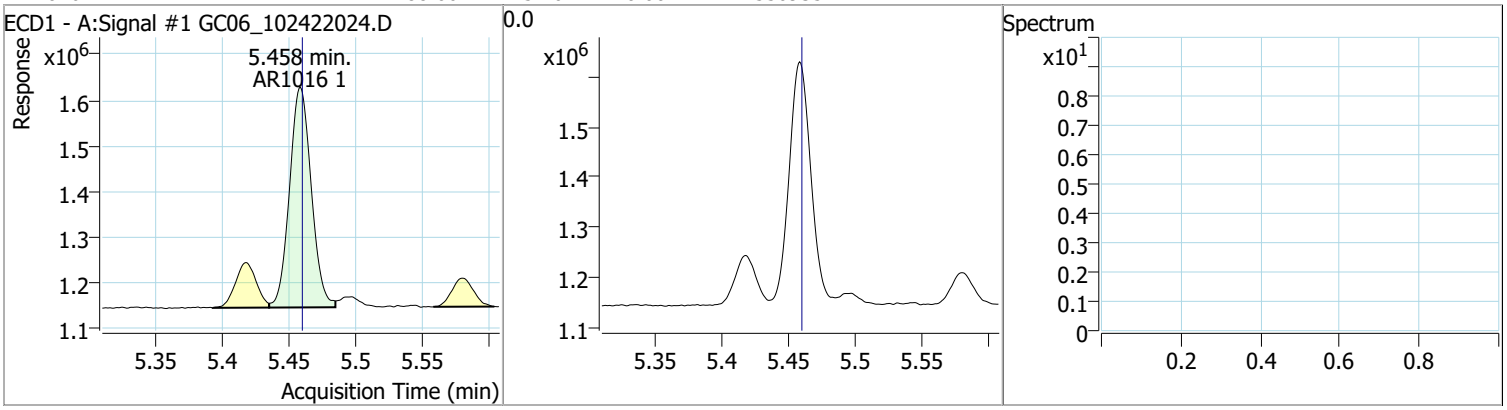
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.458	0.0	550935.426	488.0614	ng/ml		100
T AR1016 2	5.803	0.0	1189862.282	514.7354	ng/ml		100
T AR1016 1 #2	6.003	0.0	2242477.144	490.6896	ng/ml		100
T AR1016 3	6.285	0.0	1389465.420	485.4831	ng/ml		100
T AR1016 4	6.430	0.0	1046664.270	480.8388	ng/ml		100
T AR1016 2 #2	6.448	0.0	3255640.126	493.4972	ng/ml	m	100
T AR1016 5	6.908	0.0	816413.877	465.6509	ng/ml		100
T AR1016 3 #2	7.033	0.0	5620148.290	468.8558	ng/ml		100
T AR1016 4 #2	7.223	0.0	4113157.293	480.6445	ng/ml		100
T AR1016 5 #2	7.966	0.0	3287720.462	472.6461	ng/ml		100
T AR1260 1	8.880	0.0	1666464.315	457.7841	ng/ml		100
T AR1260 2	9.340	0.0	2597140.258	468.0849	ng/ml		100
T AR1260 3	9.752	0.0	2770140.676	477.6656	ng/ml		100
T AR1260 1 #2	10.088	0.0	6115733.850	467.3543	ng/ml		100
T AR1260 4	10.219	0.0	1373500.840	432.9684	ng/ml		100
T AR1260 2 #2	10.343	0.0	7171316.093	456.1048	ng/ml		100
T AR1260 5	10.581	0.0	2835639.223	421.1135	ng/ml		100
T AR1260 3 #2	10.763	0.0	9458173.779	475.2419	ng/ml		100
T AR1260 4 #2	11.178	0.0	5106288.877	443.8244	ng/ml		100
T AR1260 5 #2	11.878	0.0	7482914.204	433.7764	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

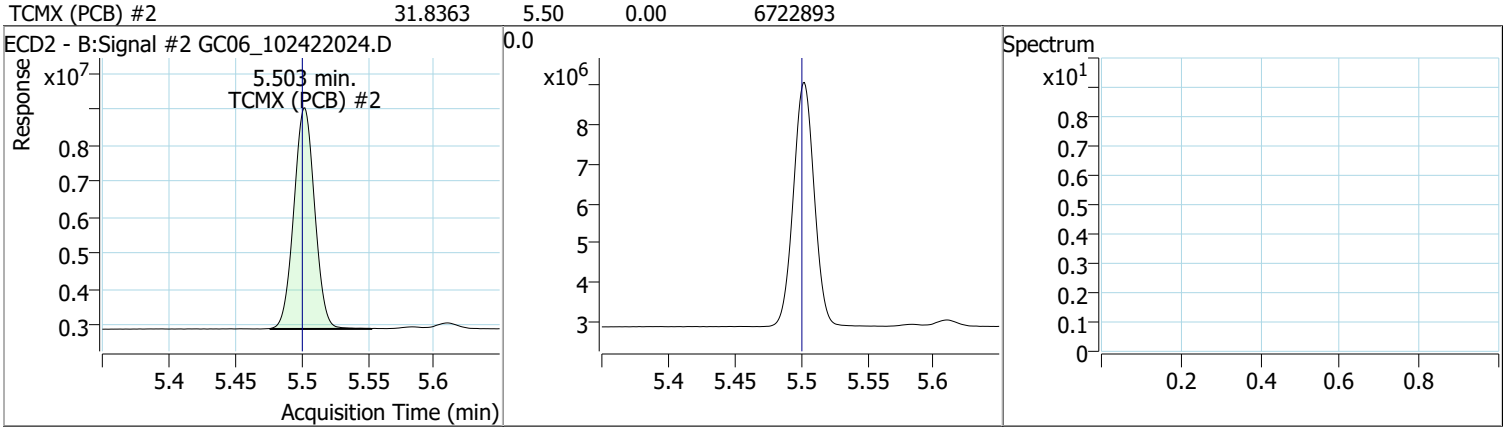
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.9167	5.10	0.00	1652165				



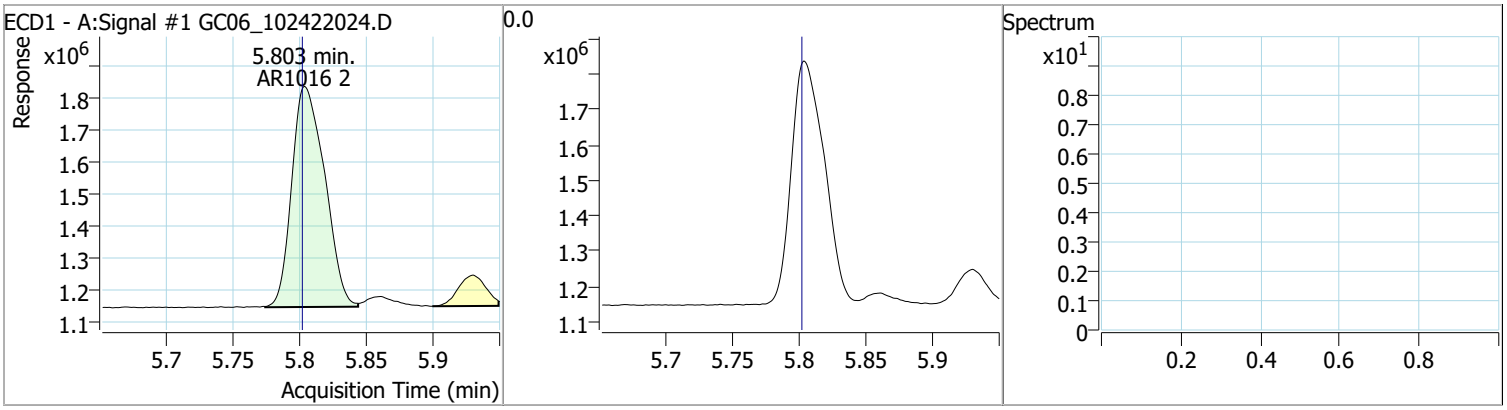
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	488.0614	5.46	0.00	550935				



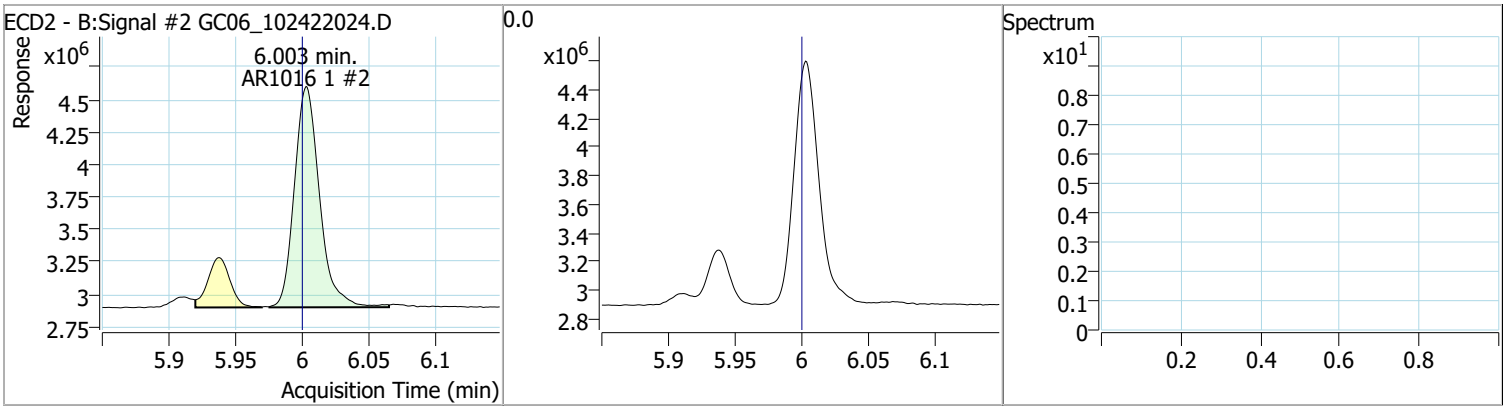
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	31.8363	5.50	0.00	6722893				



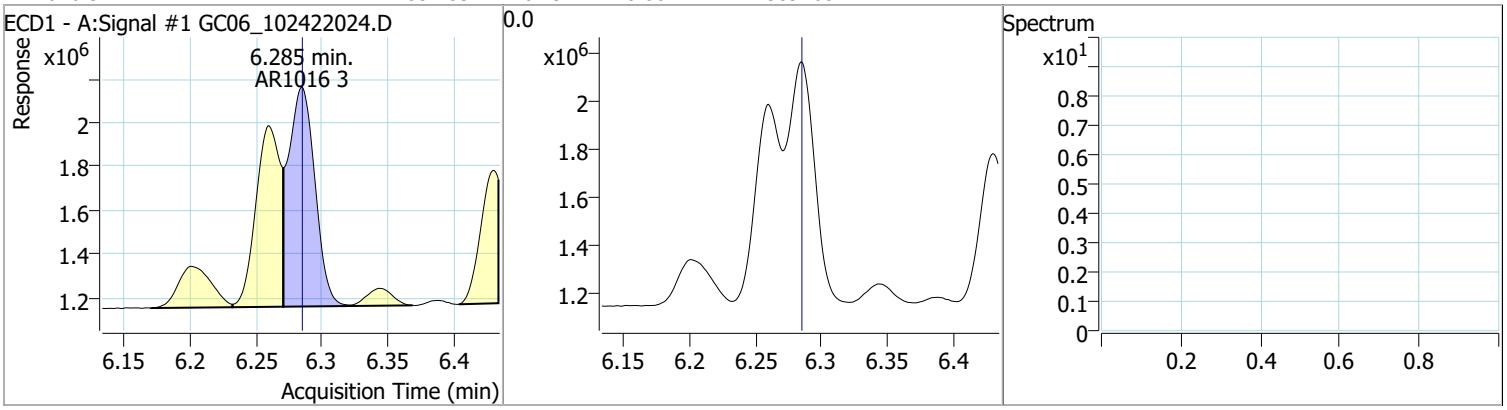
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	514.7354	5.80	0.00	1189862				



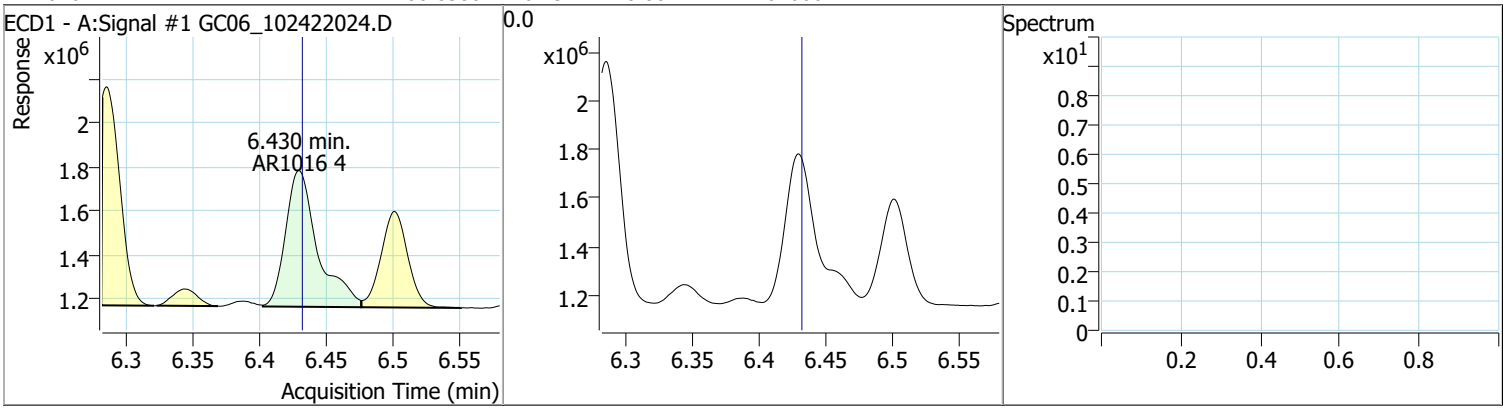
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	490.6896	6.00	0.00	2242477				



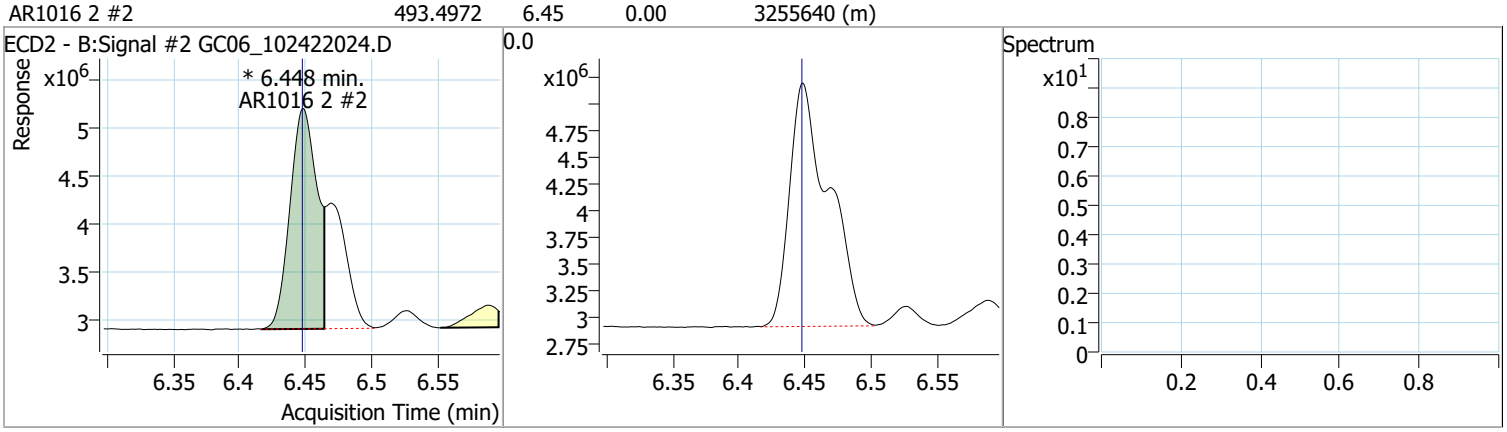
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	485.4831	6.29	0.00	1389465				



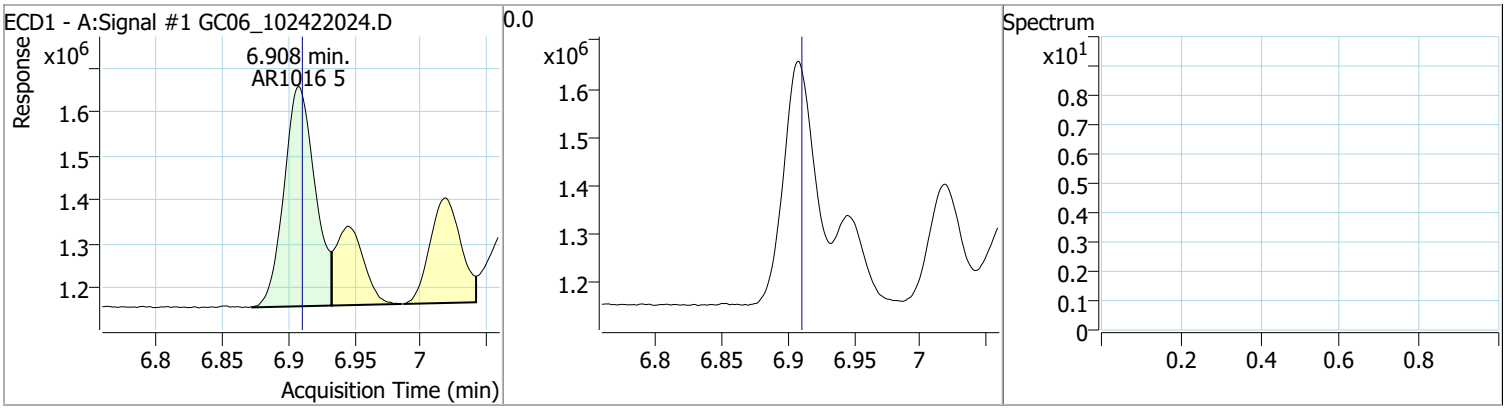
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	480.8388	6.43	0.00	1046664				



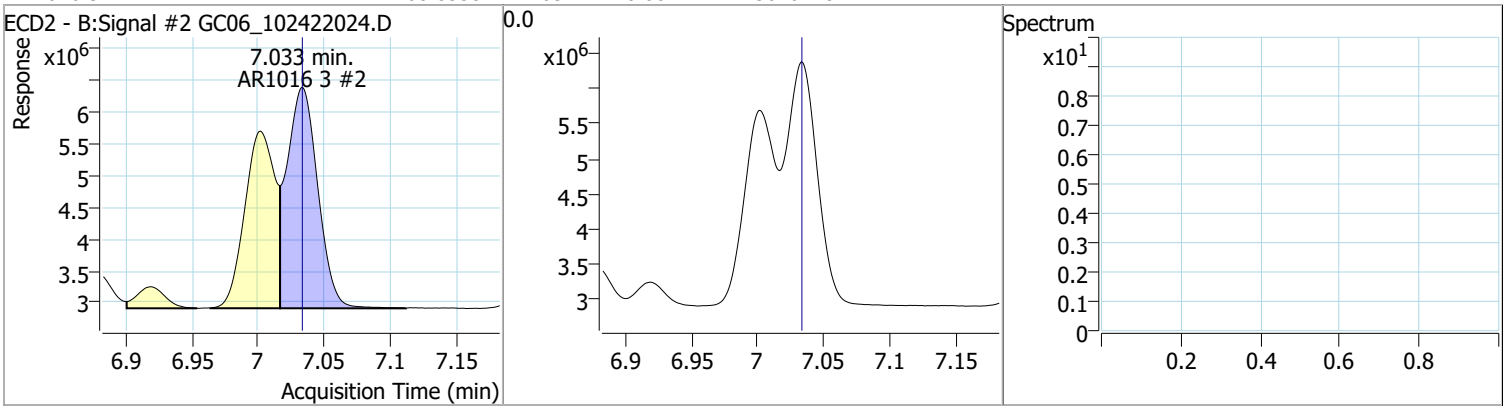
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	493.4972	6.45	0.00	3255640 (m)				



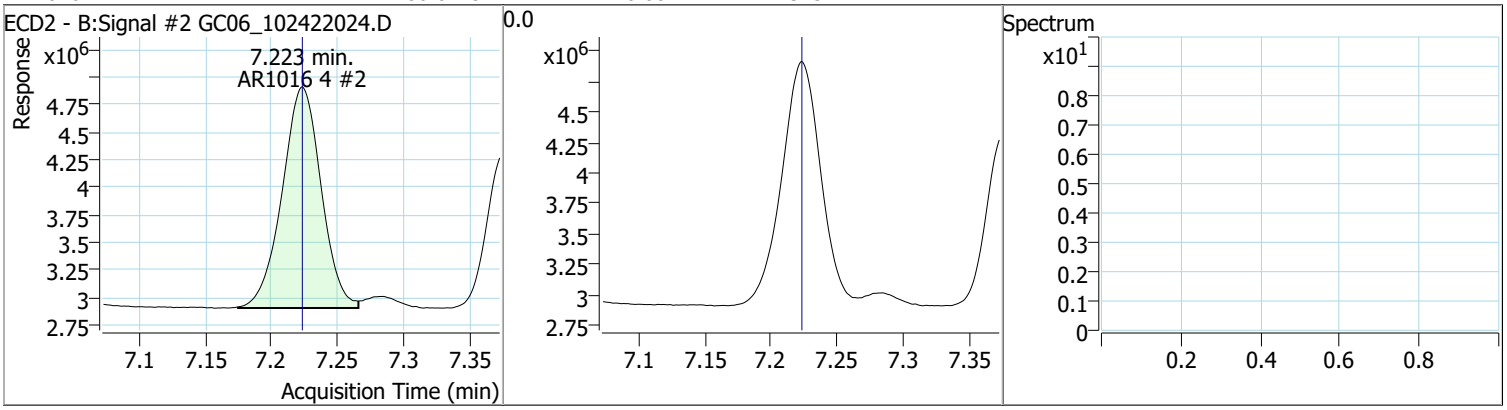
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	465.6509	6.91	0.00	816414				



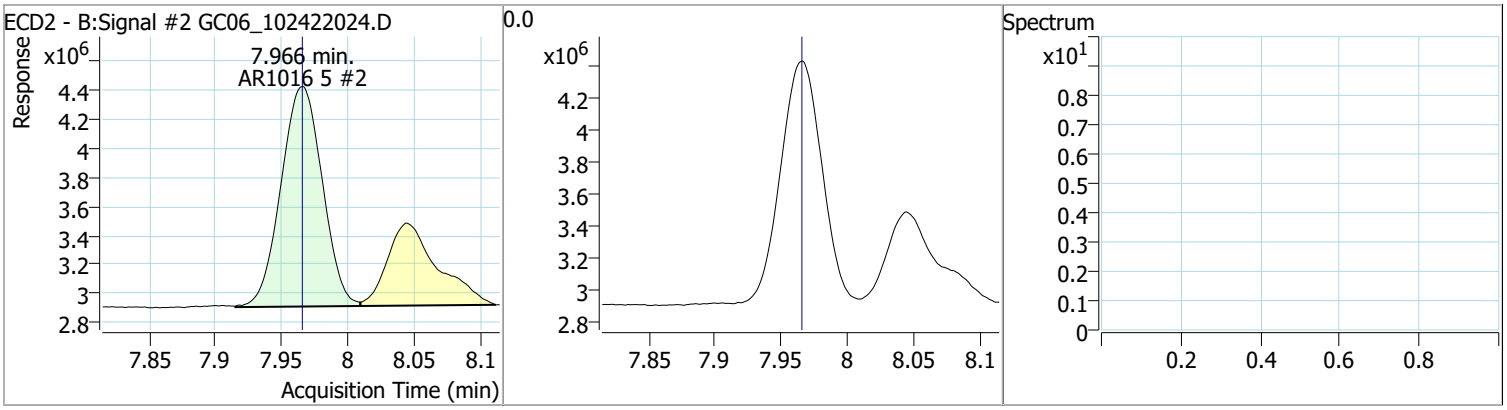
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	468.8558	7.03	0.00	5620148				



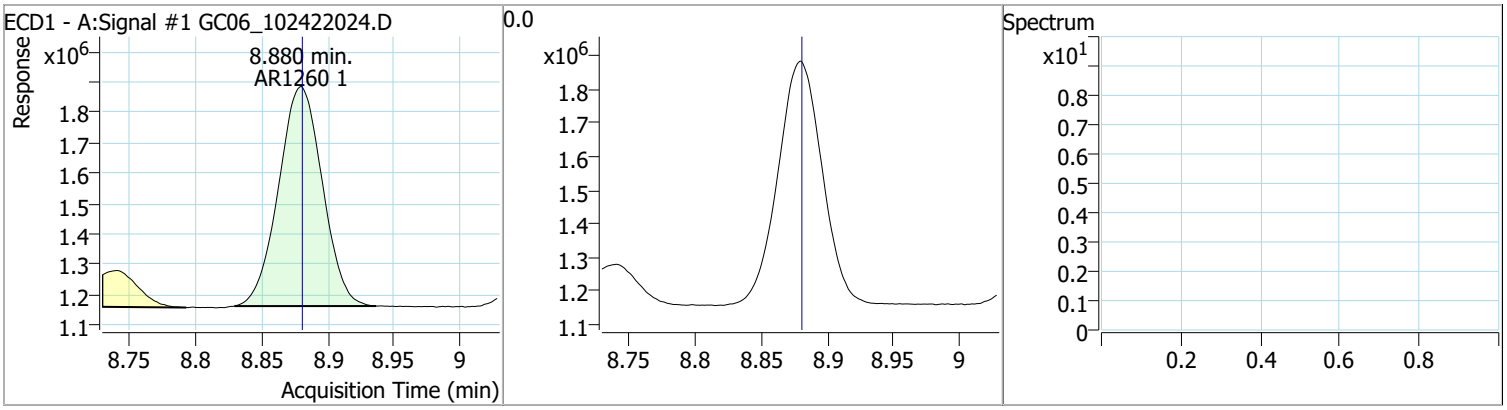
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	480.6445	7.22	0.00	4113157				



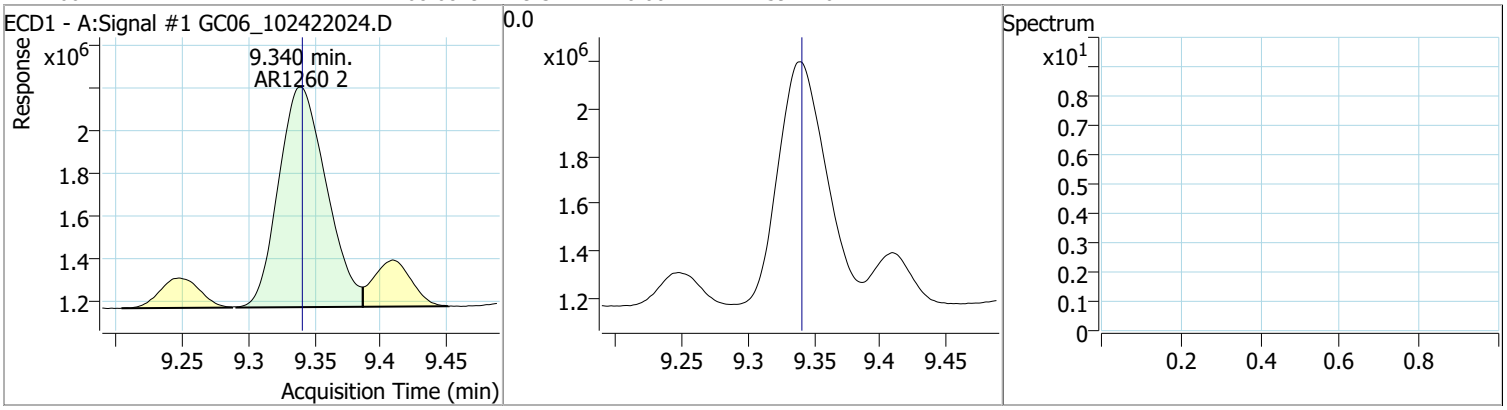
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	472.6461	7.97	0.00	3287720				



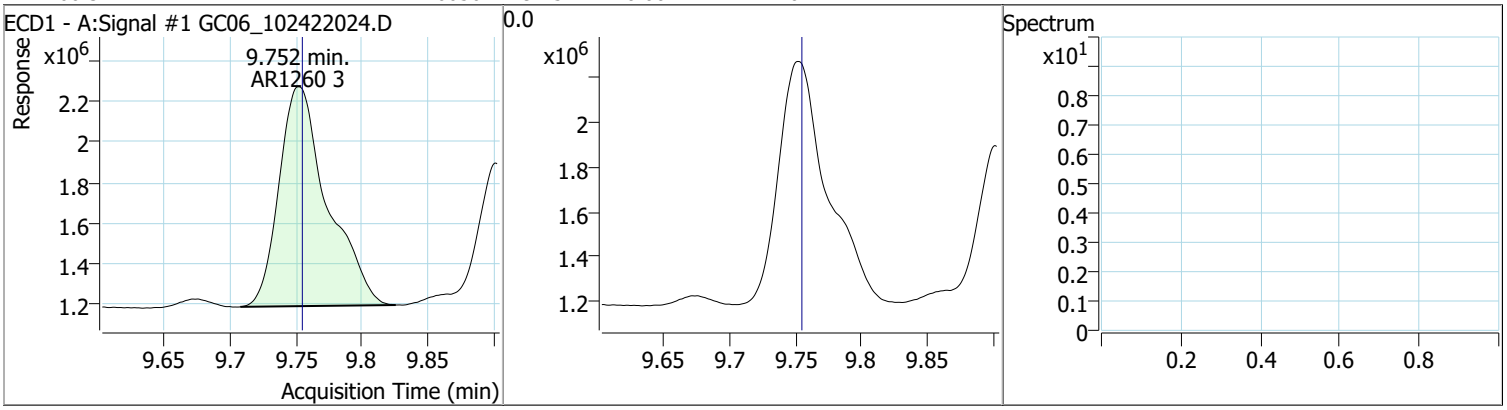
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	457.7841	8.88	0.00	1666464				



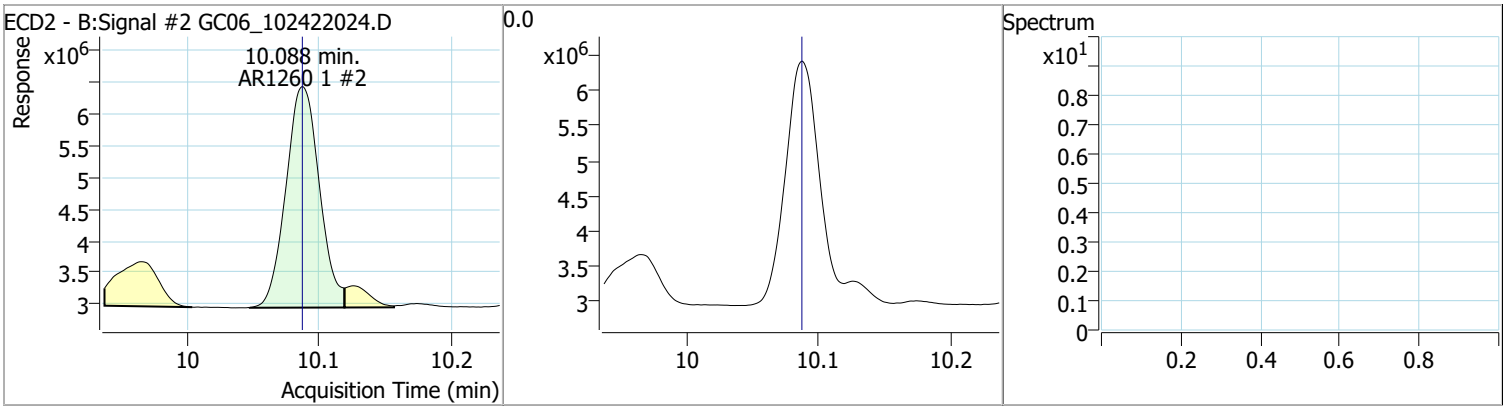
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	468.0849	9.34	0.00	2597140				



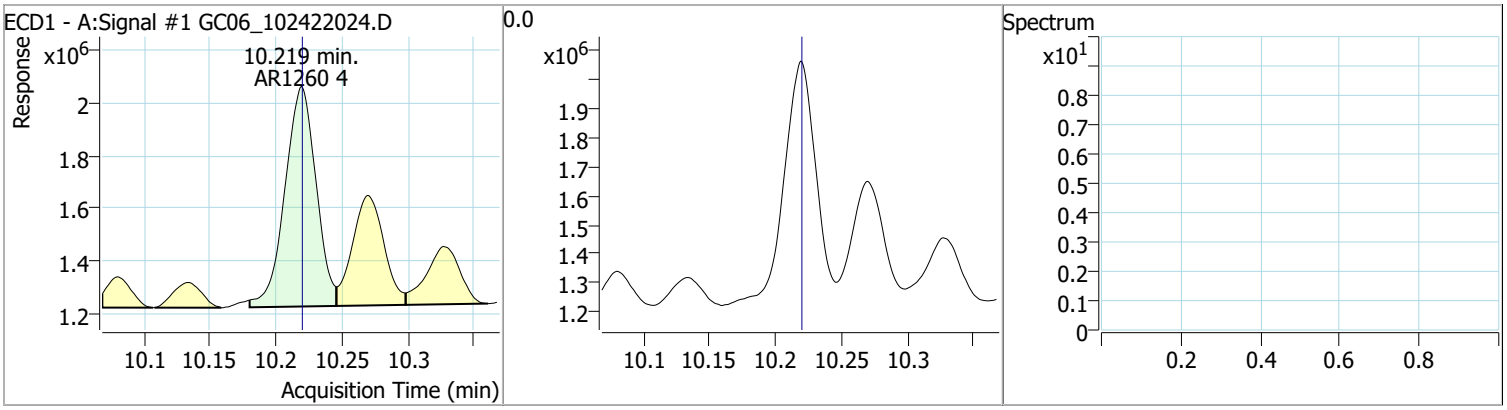
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	477.6656	9.75	0.00	2770141				



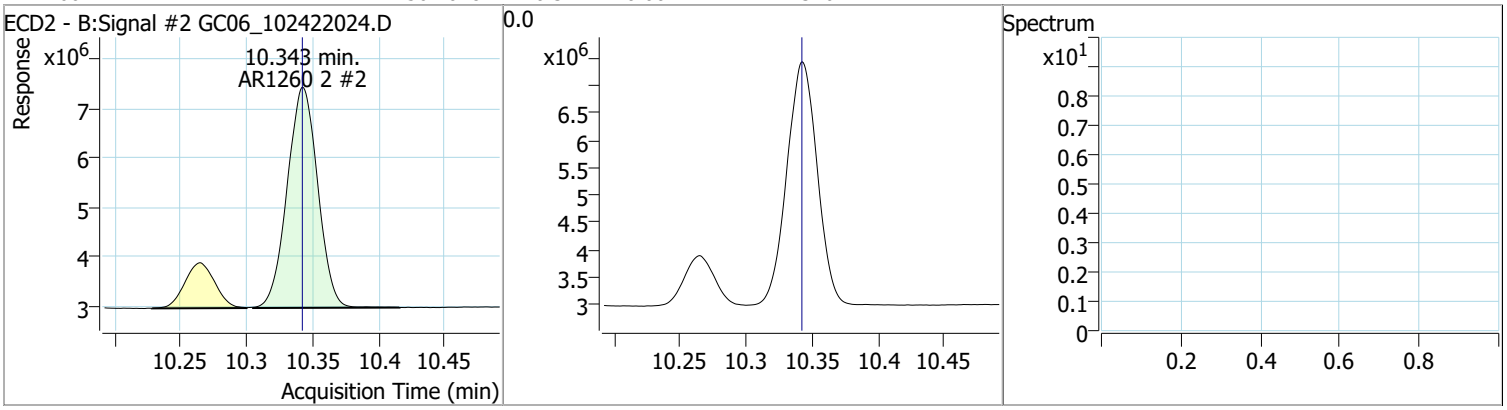
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	467.3543	10.09	0.00	6115734				



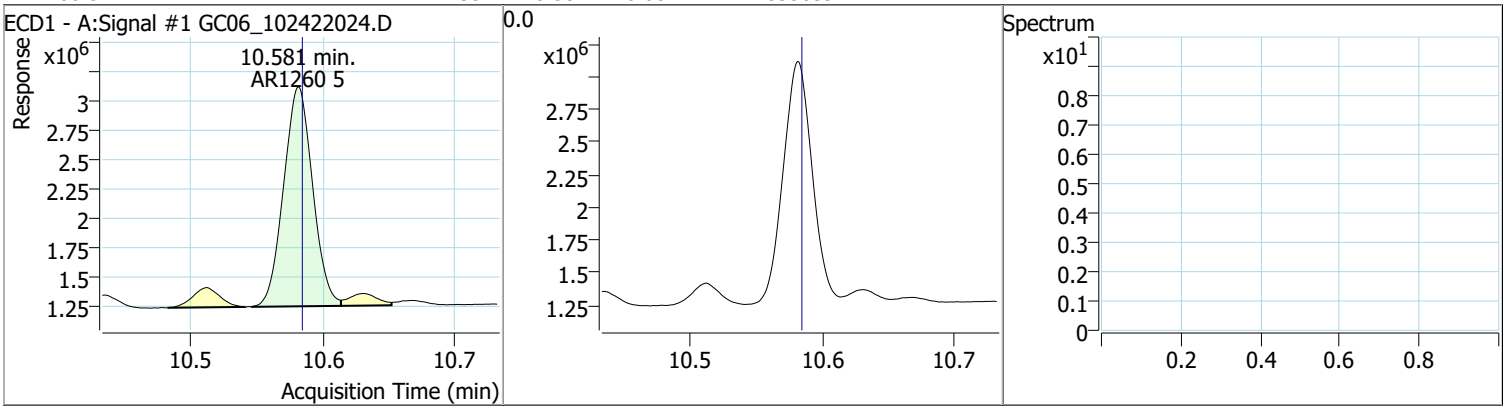
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	432.9684	10.22	0.00	1373501				



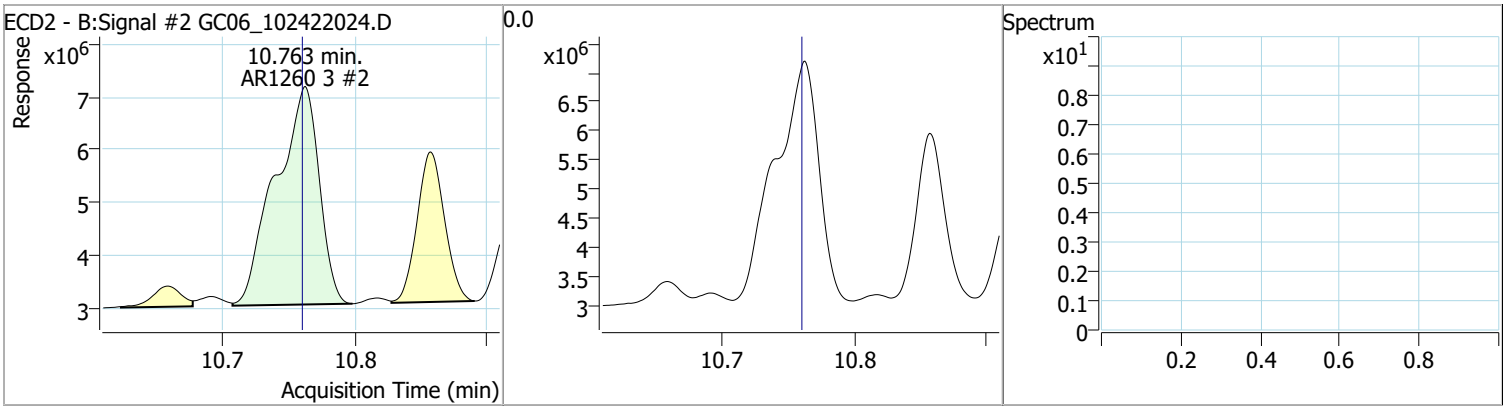
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	456.1048	10.34	0.00	7171316				



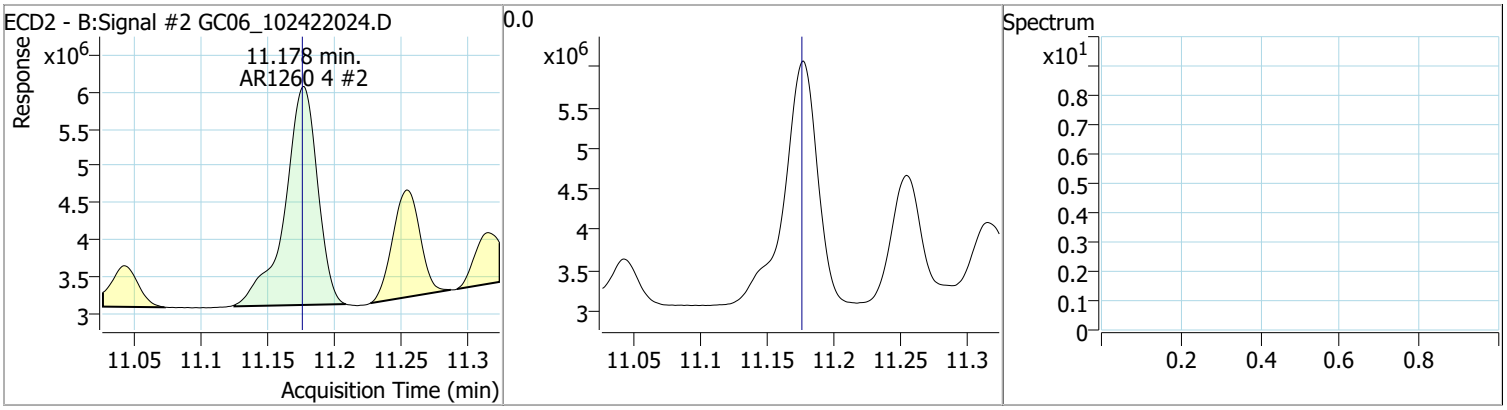
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	421.1135	10.58	0.00	2835639				



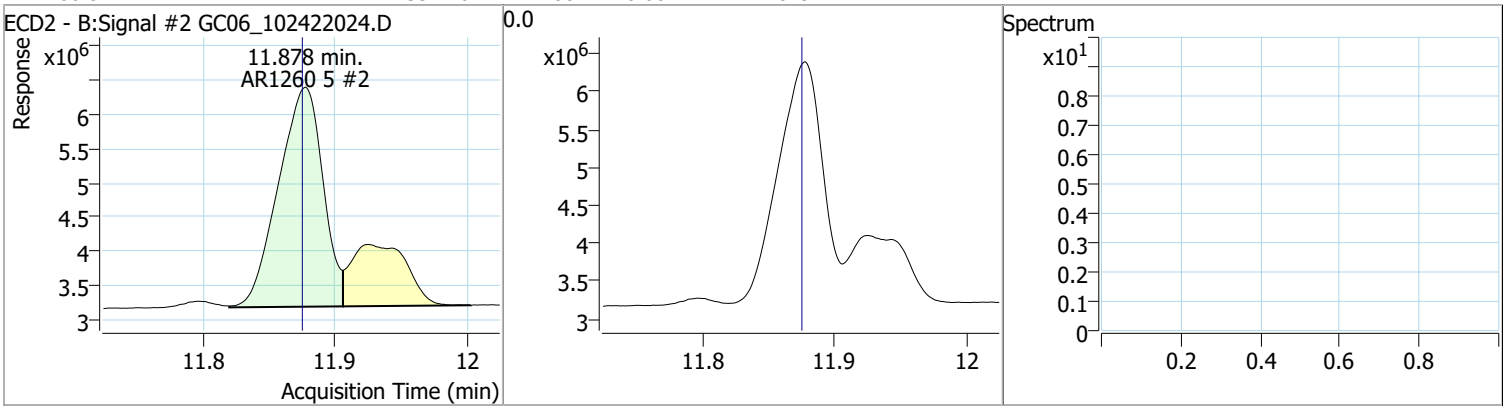
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	475.2419	10.76	0.00	9458174				



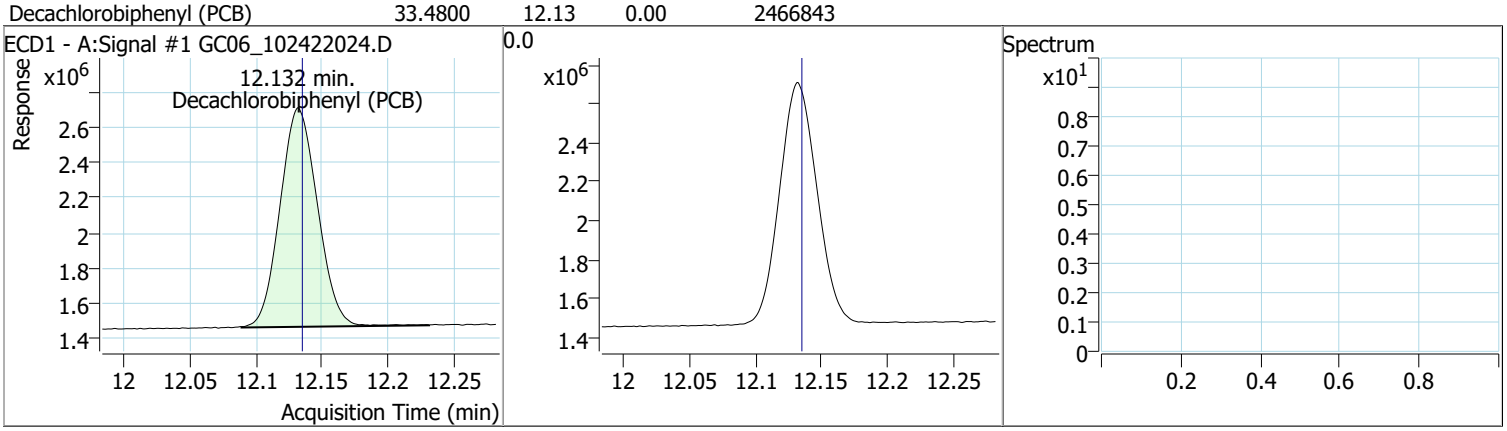
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	443.8244	11.18	0.00	5106289				



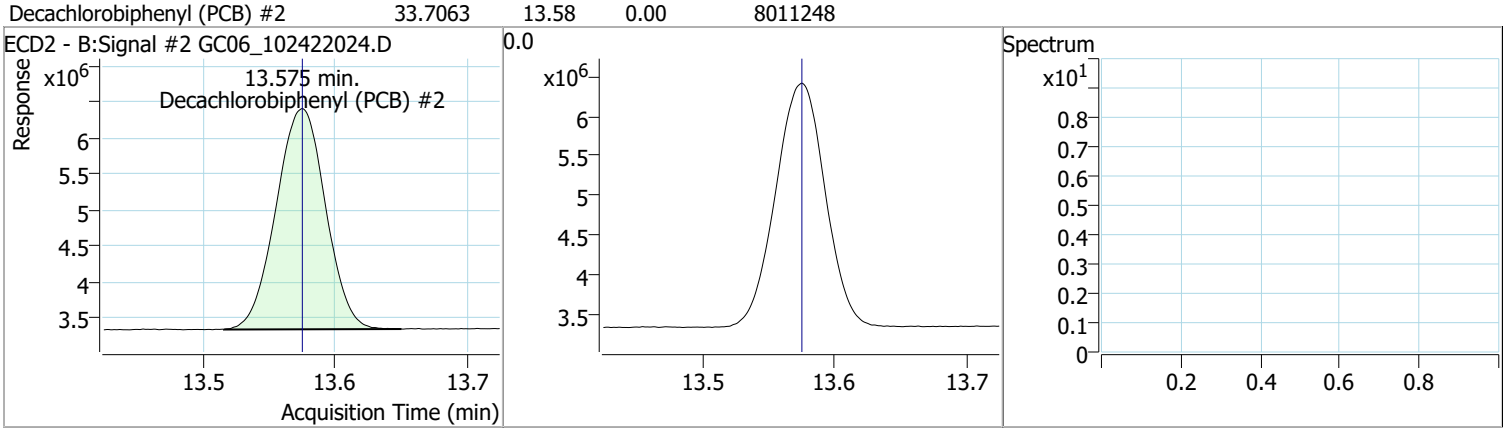
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	433.7764	11.88	0.00	7482914				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	33.4800	12.13	0.00	2466843				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	33.7063	13.58	0.00	8011248				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 474711 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452501809004	File:	gc06_121422004	Time:	14-DEC-2022 12:05
Cal:	452428510002	Caldate:	24-OCT-2022		

Standards: S17386

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	468.9	ug/L	-6	15	0.0000	
Aroclor-1260	A			500.0	412.2	ug/L	**-18**	15	0.0000	c- ***
Decachlorobiphenyl (PCB)	A	1.4080	1.6261	40.00	49.33	ug/L	**23**	15	0.0000	c+
TCMX (PCB)	A	0.9616	0.9530	40.00	39.64	ug/L	-1	15	0.0000	
Aroclor-1016	B			500.0	455.4	ug/L	-9	15	0.0000	
Aroclor-1260	B			500.0	435.5	ug/L	-13	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2084	1.2248	40.00	46.04	ug/L	15	15	0.0000	
TCMX (PCB)	B	0.9605	0.9269	40.00	38.60	ug/L	-3	15	0.0000	

ISTD (ICAL gc06_102422015)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4414084	5307613	20.24
1-bromo-2-nitrobenzene (PCB)	A	1096423	1103956	0.69

TRN 12/14/22 [Aroclor-1016 A]: Separated from coeluting peak for Ch. A.

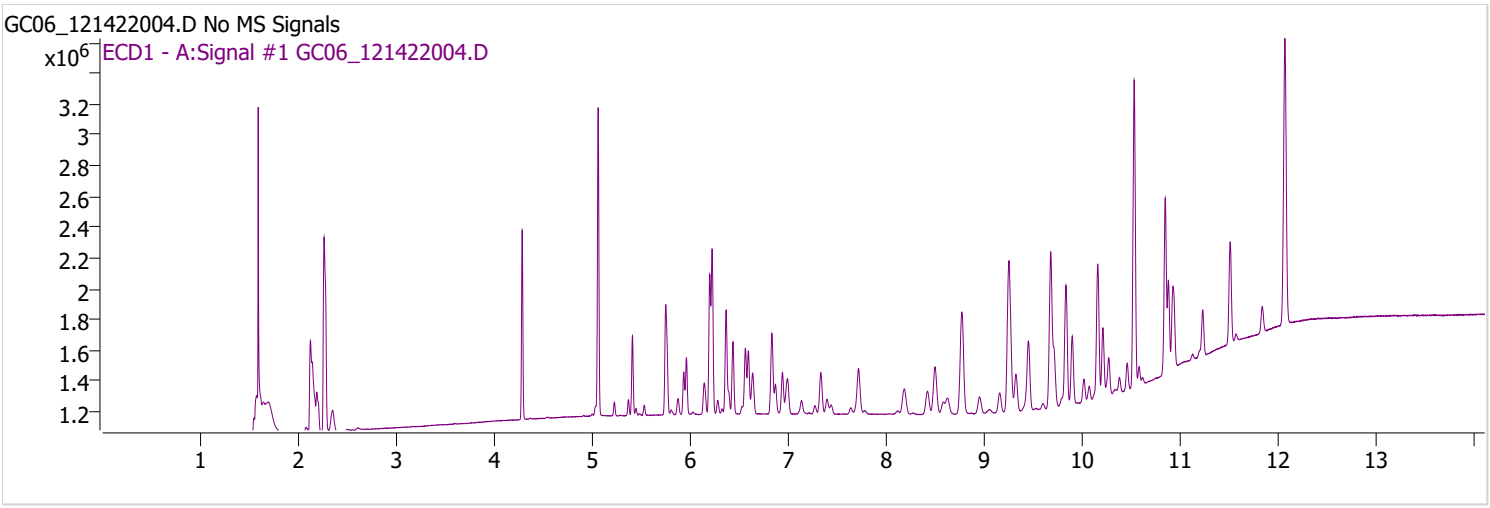
TRN 12/14/22 [1-bromo-2-nitrobenzene (PCB) A]: Corrected baseline noise or negative peak for all channels.

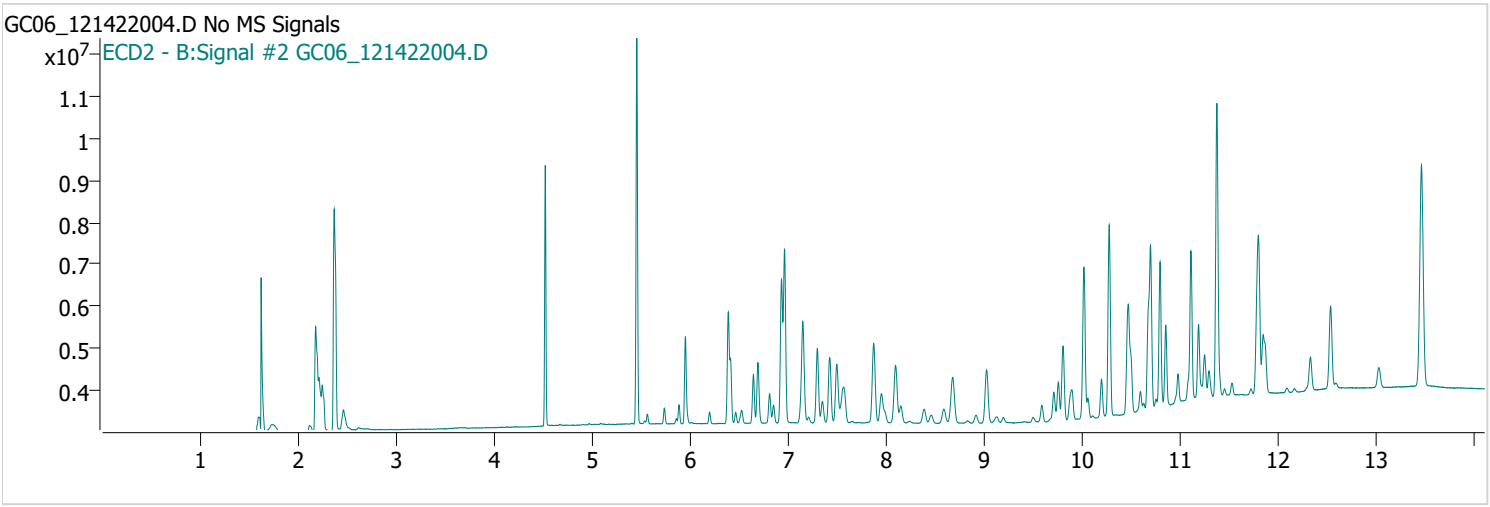
+=high bias -=low bias c=CCV

Analyst: TRN 12/14/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422004.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 12:05:41 PM
Sample Name	CCV, S17386	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



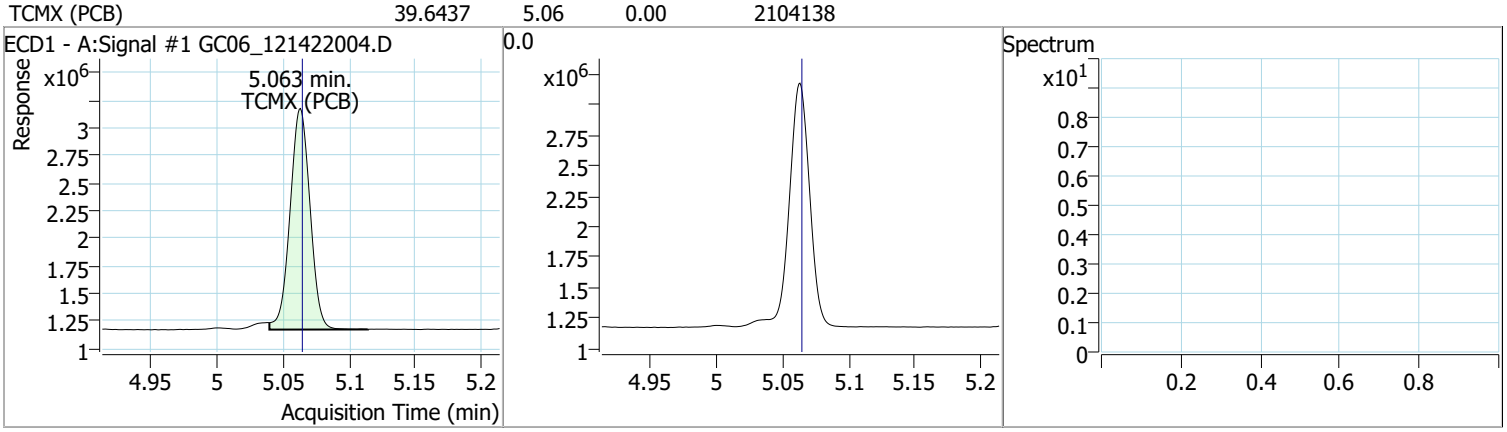


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.287	0.0	1103956.450	20.0000	ng/ml	m	0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.523	0.0	5307613.025	20.0000	ng/ml	m	0.000
System Monitoring Compounds							
S TCMX (PCB)	5.063	0.0	2104137.502	39.6437	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.22%		*	
S TCMX (PCB) #2	5.458	0.0	9839122.267	38.6006	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 193.00%		*	
S Decachlorobiphenyl (PCB)	12.078	0.0	3590203.930	49.3353	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 246.68%		*	
S Decachlorobiphenyl (PCB) #2	13.473	0.0	13001192.357	46.0455	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 230.23%		*	
Target Compounds							QValue

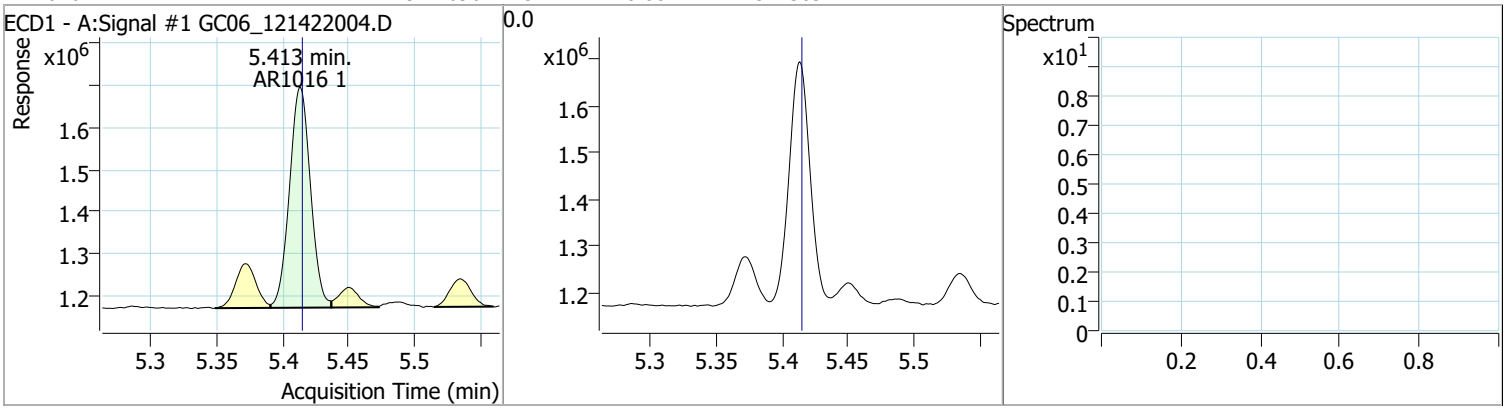
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.413	0.0	572308.580	494.4696	ng/ml		100
T AR1016 2	5.754	0.0	1220483.189	514.9438	ng/ml		100
T AR1016 1 #2	5.954	0.0	2721606.776	493.3739	ng/ml		100
T AR1016 3	6.227	0.0	1430020.556	487.3087	ng/ml		100
T AR1016 4	6.370	0.0	1023754.739	458.6946	ng/ml		100
T AR1016 2 #2	6.393	0.0	3838463.792	482.0340	ng/ml	m	100
T AR1016 5	6.567	0.0	699741.859	389.2455	ng/ml		100
T AR1016 3 #2	6.967	0.0	6700199.303	463.0748	ng/ml		100
T AR1016 4 #2	7.153	0.0	4917454.088	476.0592	ng/ml		100
T AR1016 5 #2	7.303	0.0	3045404.975	362.7089	ng/ml		100
T AR1260 1	8.778	0.0	1652845.156	442.8253	ng/ml		100
T AR1260 2	9.260	0.0	2481524.657	436.1977	ng/ml		100
T AR1260 3	9.686	0.0	2623701.227	441.2372	ng/ml		100
T AR1260 1 #2	10.025	0.0	6438562.952	407.6229	ng/ml		100
T AR1260 4	10.167	0.0	1575102.896	486.0813	ng/ml		100
T AR1260 2 #2	10.283	0.0	7597764.033	400.3349	ng/ml		100
T AR1260 3 #2	10.705	0.0	9211394.496	383.4465	ng/ml		100
T AR1260 5	10.856	0.0	1807484.638	254.9456	ng/ml		100
T AR1260 4 #2	11.118	0.0	5824655.486	418.1182	ng/ml		100
T AR1260 5 #2	11.383	0.0	11713482.104	568.0782	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

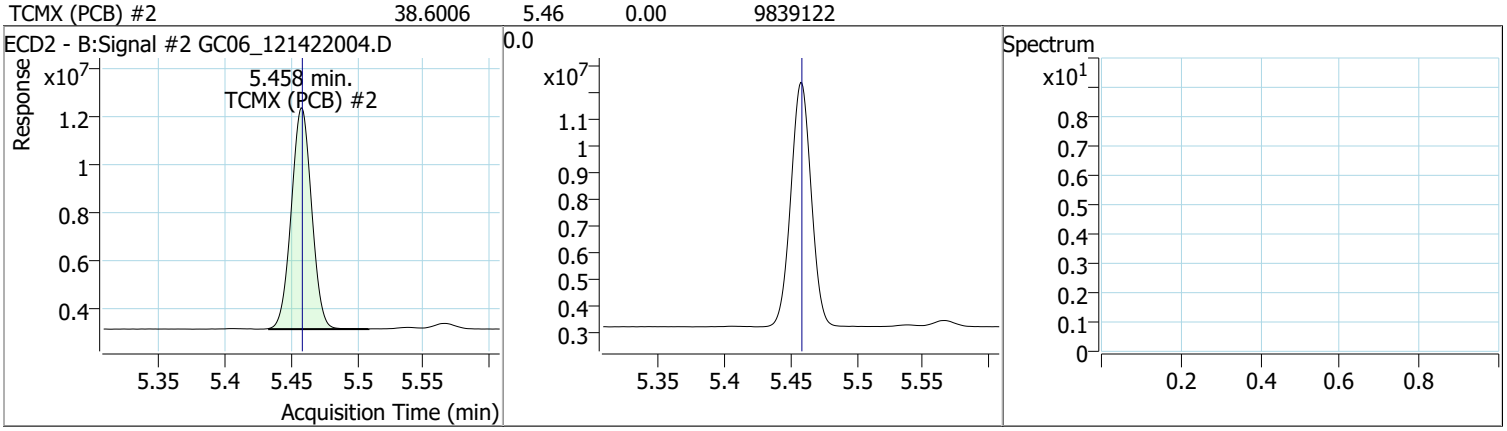
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.6437	5.06	0.00	2104138				



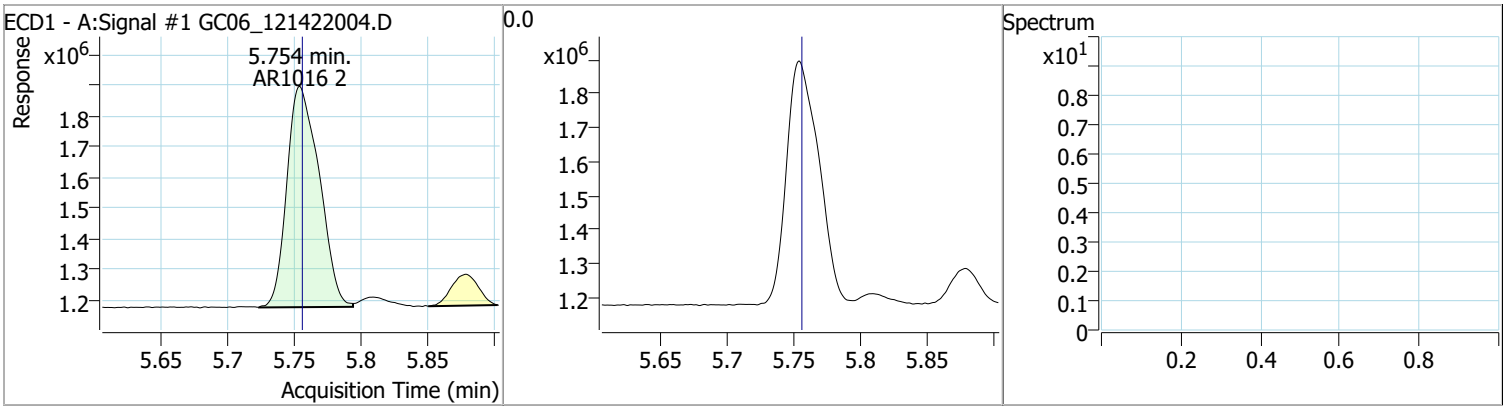
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	494.4696	5.41	0.00	572309				



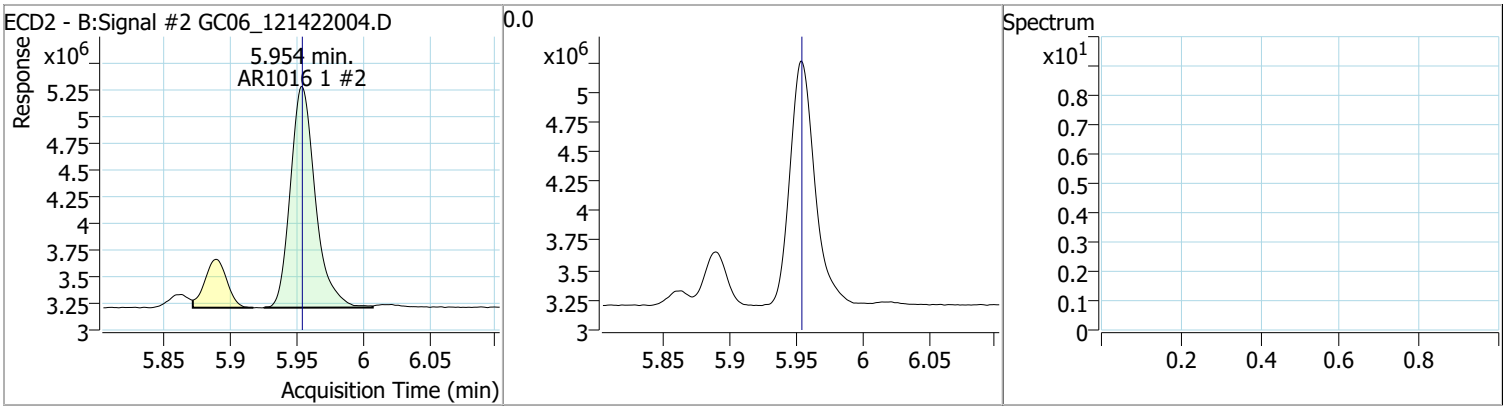
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	38.6006	5.46	0.00	9839122				



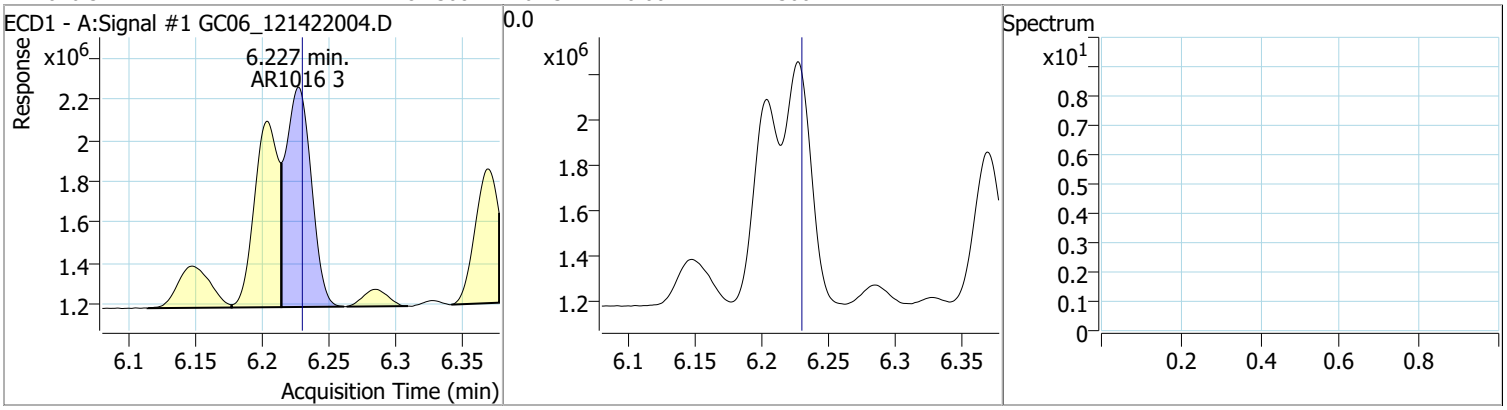
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	514.9438	5.75	0.00	1220483				



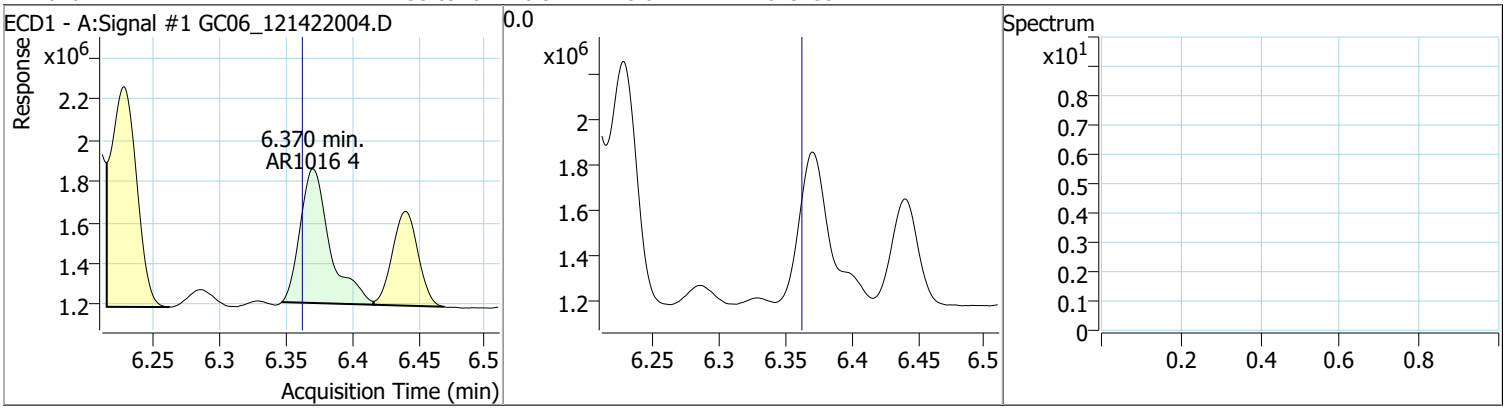
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	493.3739	5.95	0.00	2721607				



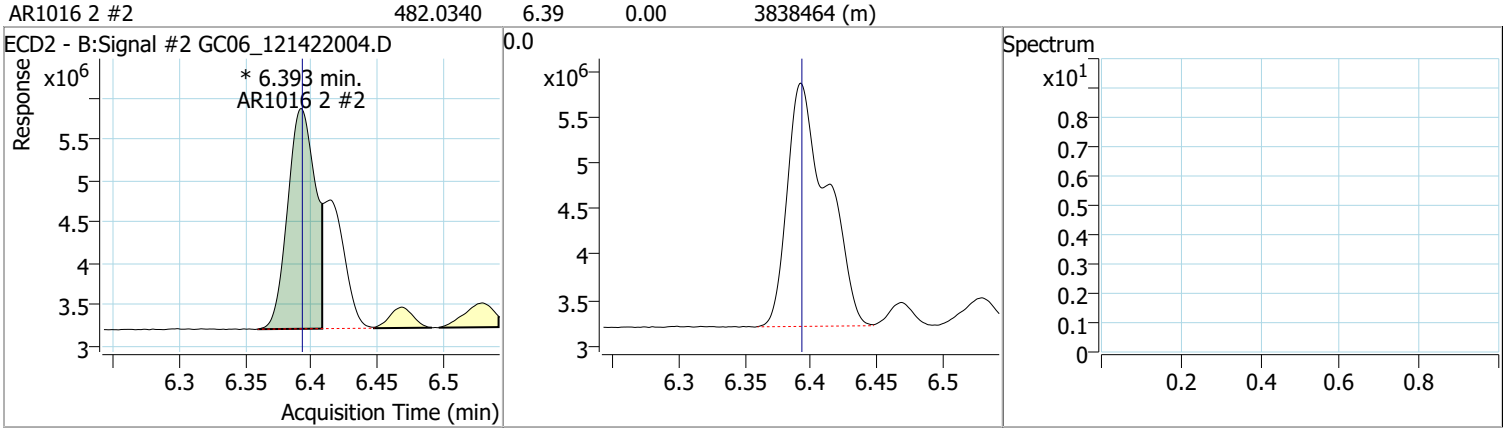
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	487.3087	6.23	0.00	1430021				



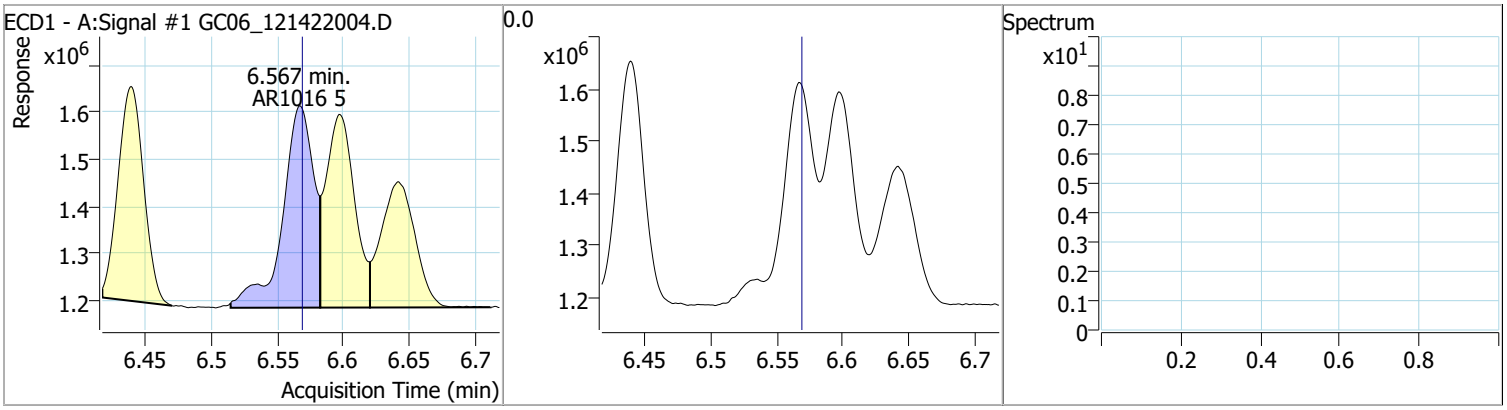
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	458.6946	6.37	0.01	1023755				



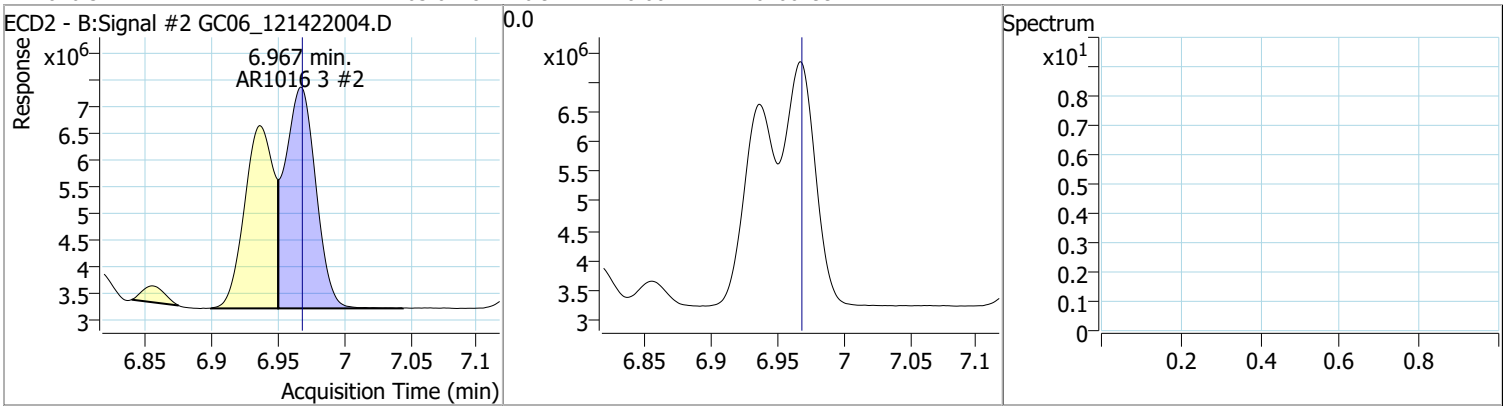
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	482.0340	6.39	0.00	3838464 (m)				



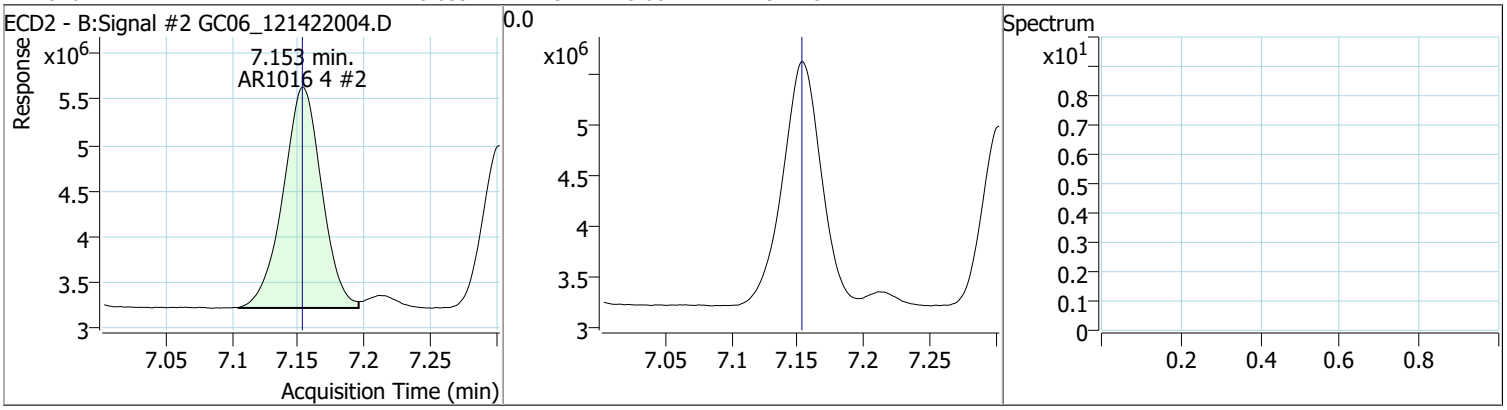
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	389.2455	6.57	0.00	699742				



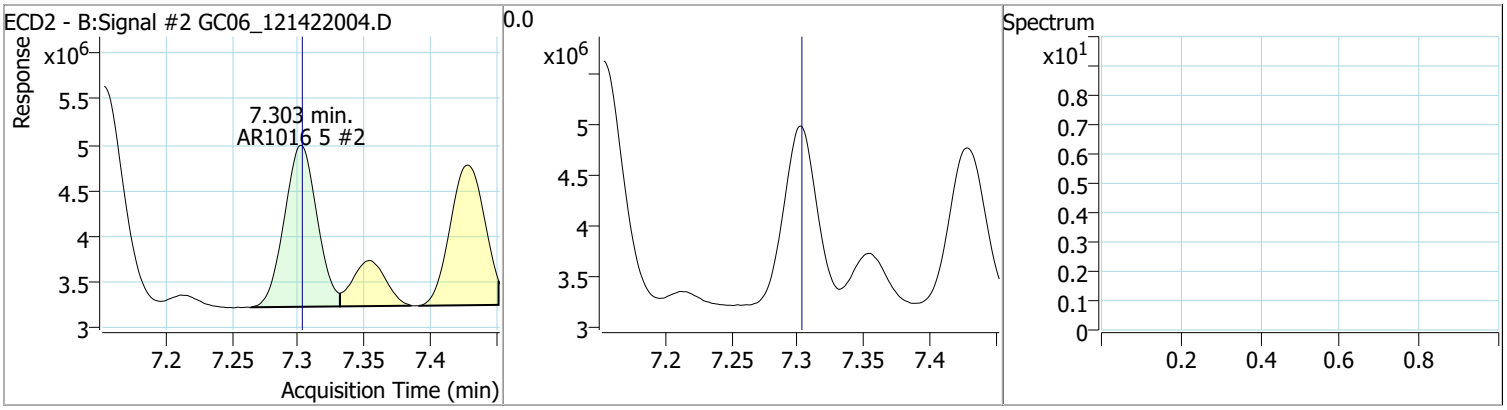
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	463.0748	6.97	0.00	6700199				



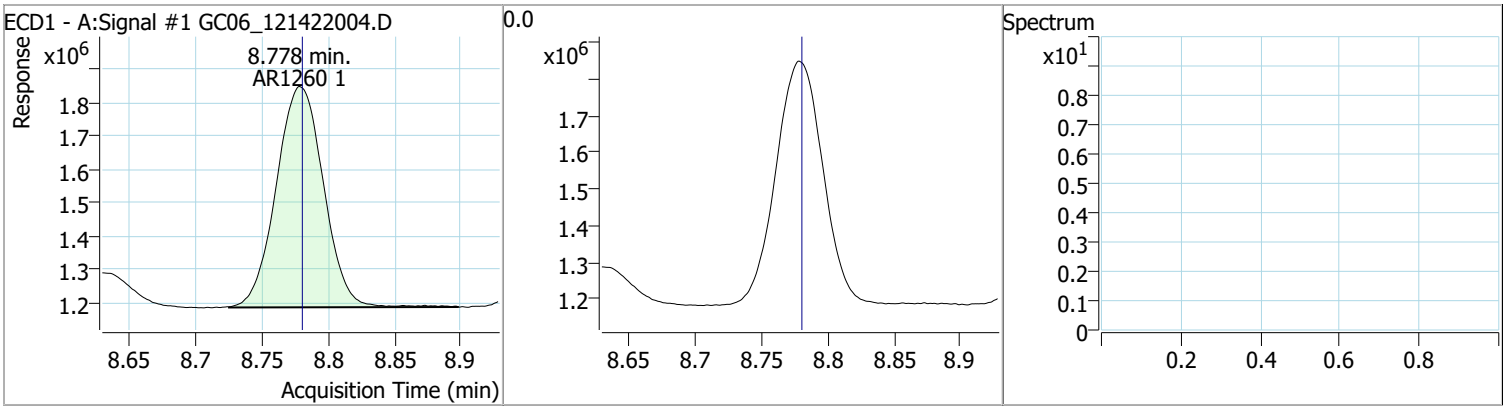
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	476.0592	7.15	0.00	4917454				



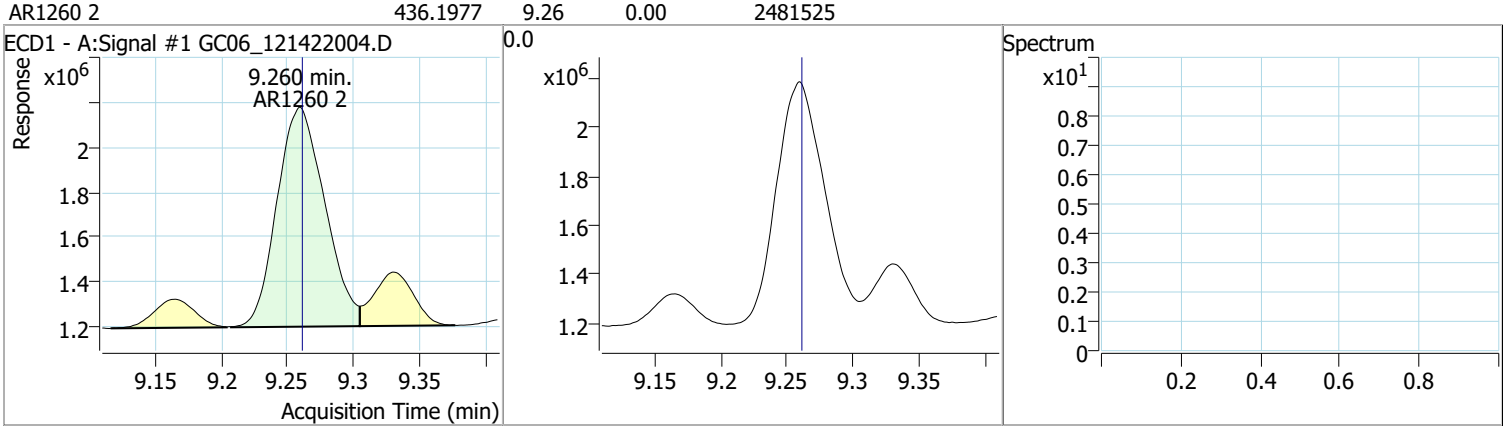
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	362.7089	7.30	0.00	3045405				



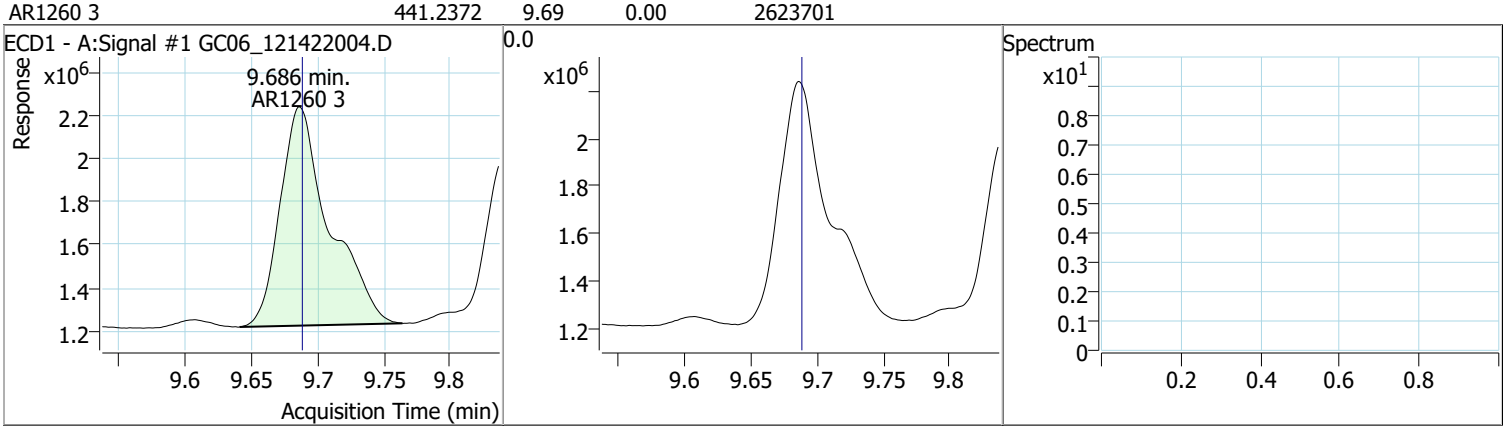
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	442.8253	8.78	0.00	1652845				



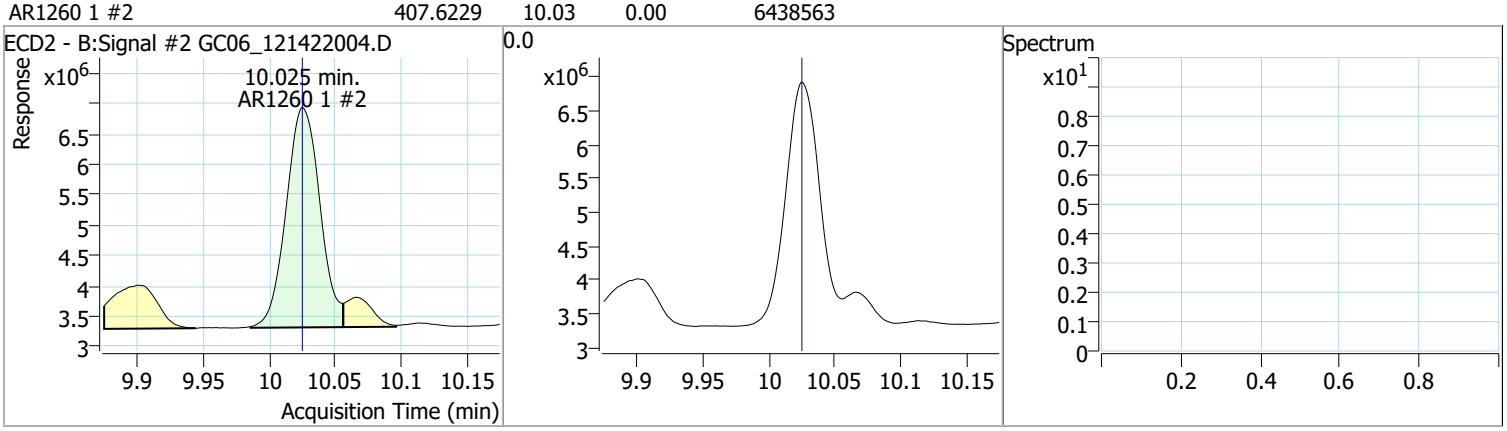
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	436.1977	9.26	0.00	2481525				



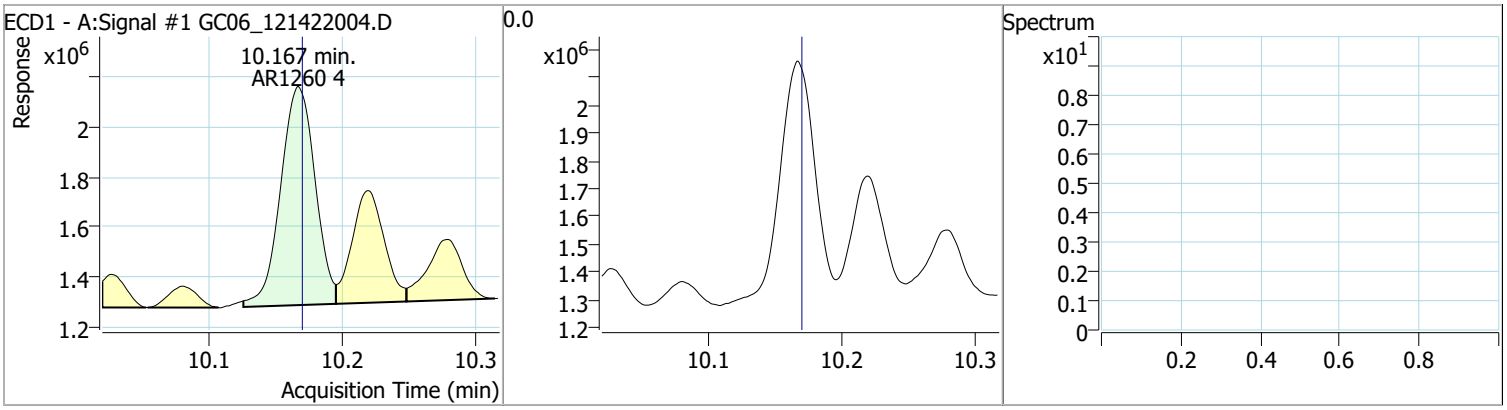
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	441.2372	9.69	0.00	2623701				



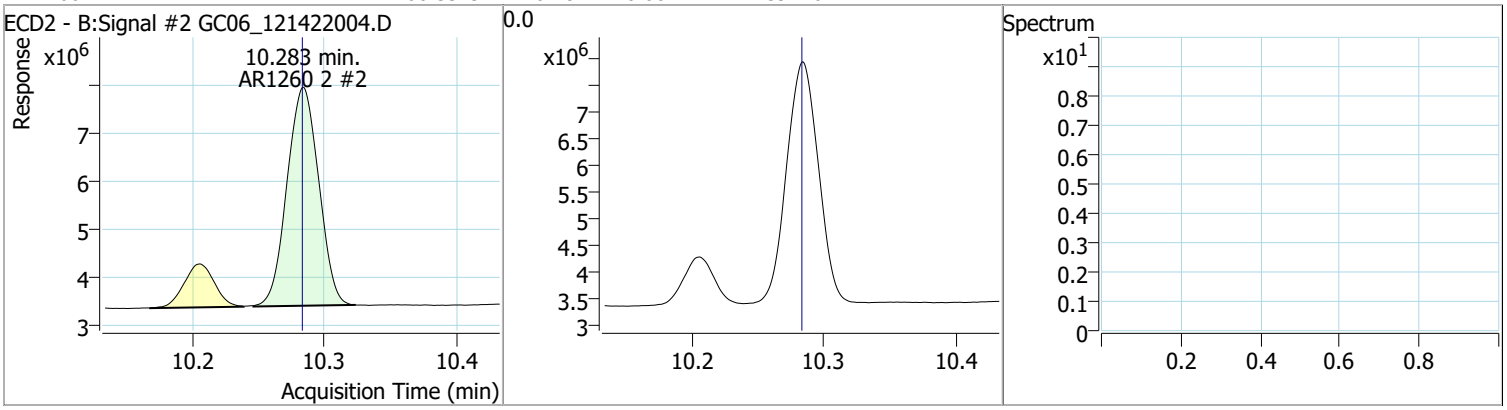
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	407.6229	10.03	0.00	6438563				



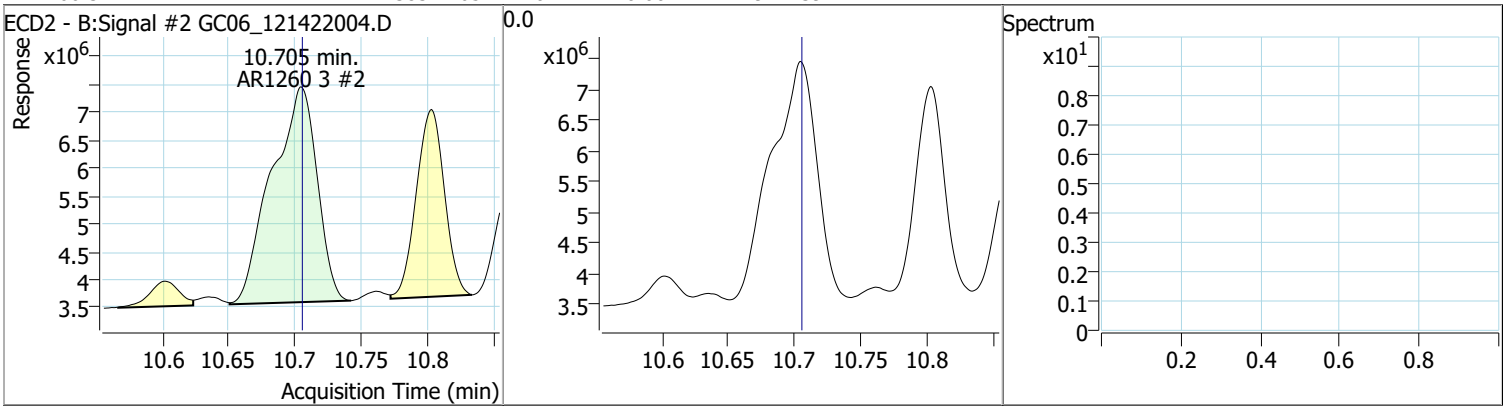
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	486.0813	10.17	0.00	1575103				



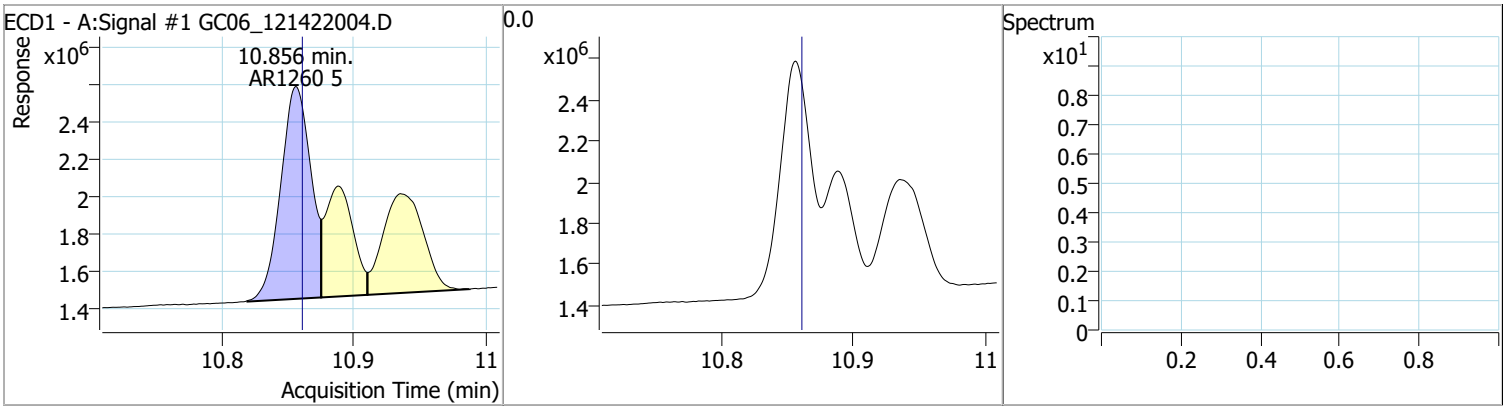
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	400.3349	10.28	0.00	7597764				



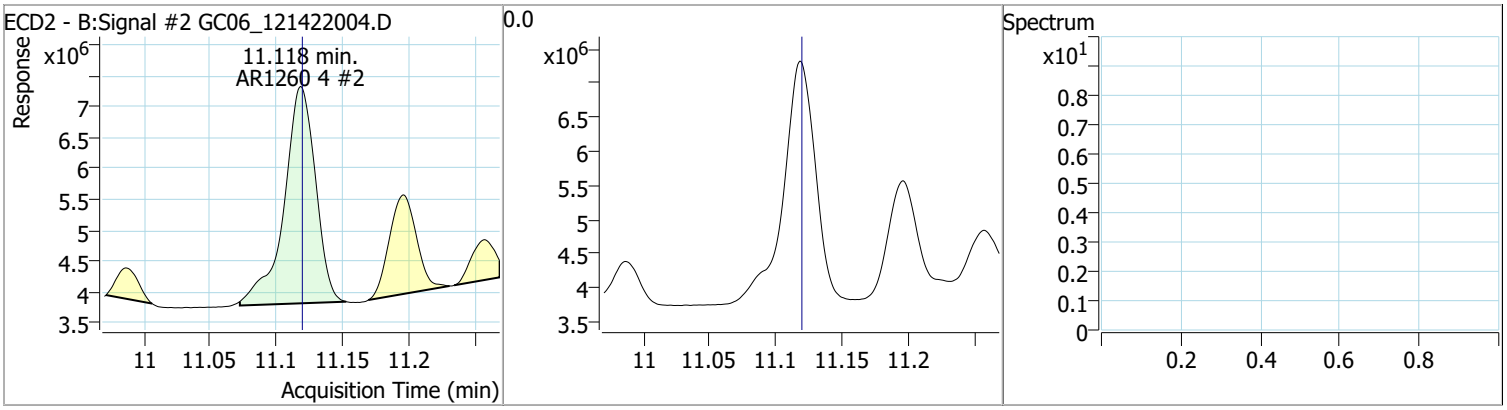
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	383.4465	10.71	0.00	9211394				



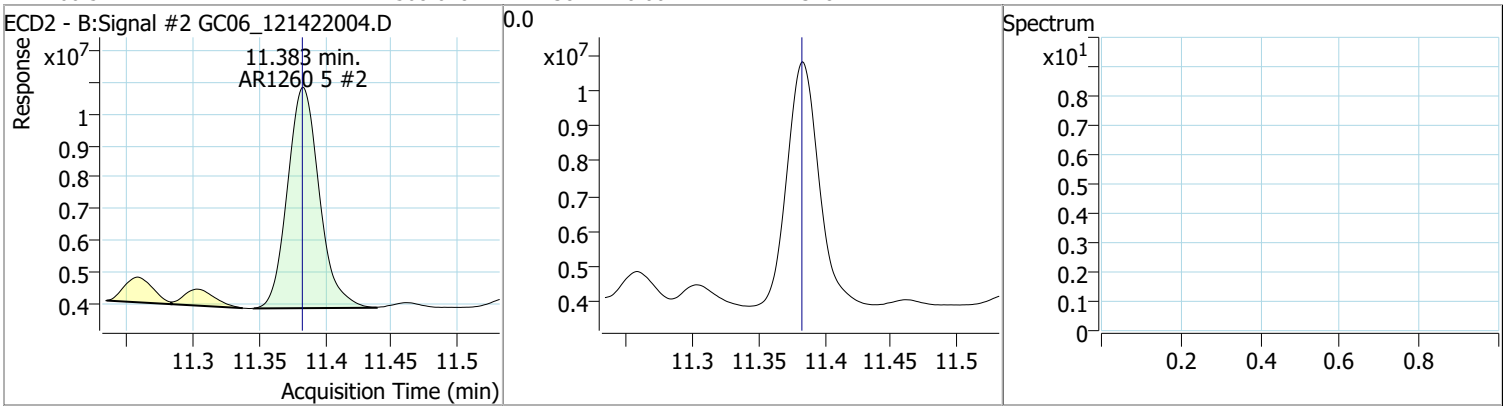
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	254.9456	10.86	0.00	1807485				



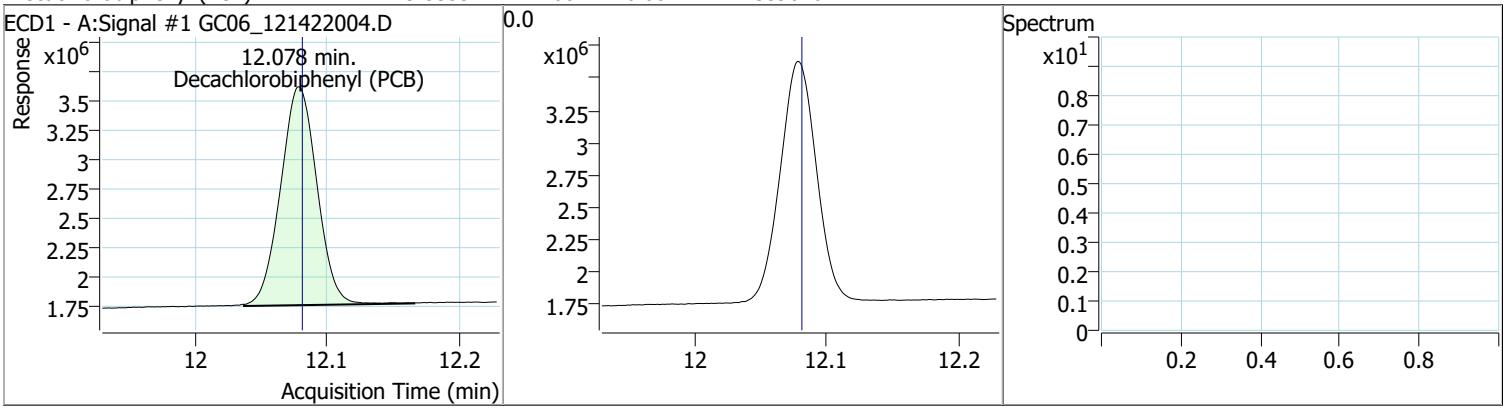
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	418.1182	11.12	0.00	5824655				



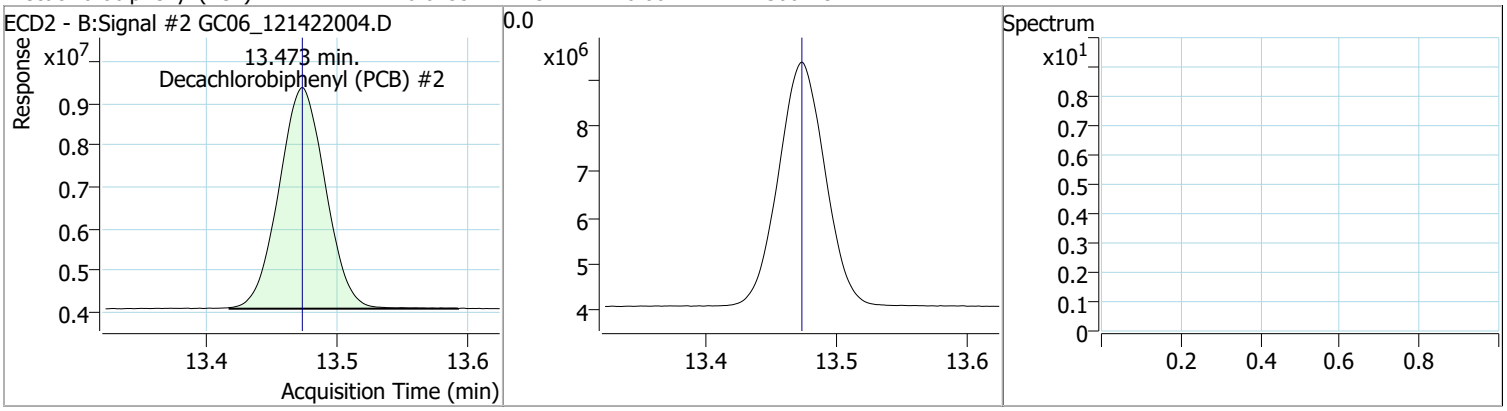
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	568.0782	11.38	0.00	11713482				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	49.3353	12.08	0.00	3590204				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	46.0455	13.47	0.00	13001192				



ENTHALPY CONTINUING CALIBRATION FOR 474711 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452501809036	File:	gc06_121422036	Time:	14-DEC-2022 22:46
Cal:	452428510002	Caldate:	24-OCT-2022		

Standards: S17386

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	455.9	ug/L	-9	15	0.0000	
Aroclor-1260	A			500.0	410.5	ug/L	**-18**	15	0.0000	c- ***
Decachlorobiphenyl (PCB)	A	1.4080	1.6604	40.00	50.47	ug/L	**26**	15	0.0000	c+
TCMX (PCB)	A	0.9616	0.9149	40.00	38.06	ug/L	-5	15	0.0000	
Aroclor-1016	B			500.0	454.3	ug/L	-9	15	0.0000	
Aroclor-1260	B			500.0	453.4	ug/L	-9	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2084	1.2913	40.00	48.66	ug/L	**22**	15	0.0000	c+
TCMX (PCB)	B	0.9605	0.9121	40.00	37.98	ug/L	-5	15	0.0000	

ISTD (ICAL gc06_102422015)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4414084	5560467	25.97
1-bromo-2-nitrobenzene (PCB)	A	1096423	1170615	6.77

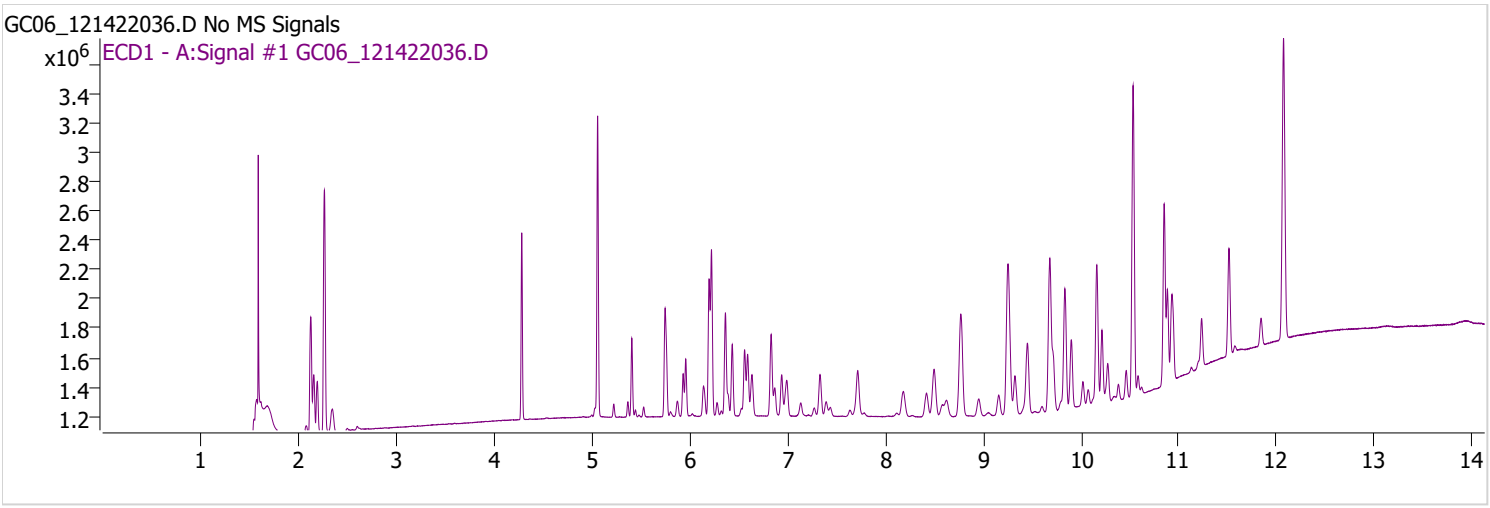
MES 12/15/22 [Aroclor-1016 B]: Separated from coeluting peak for Ch. B.

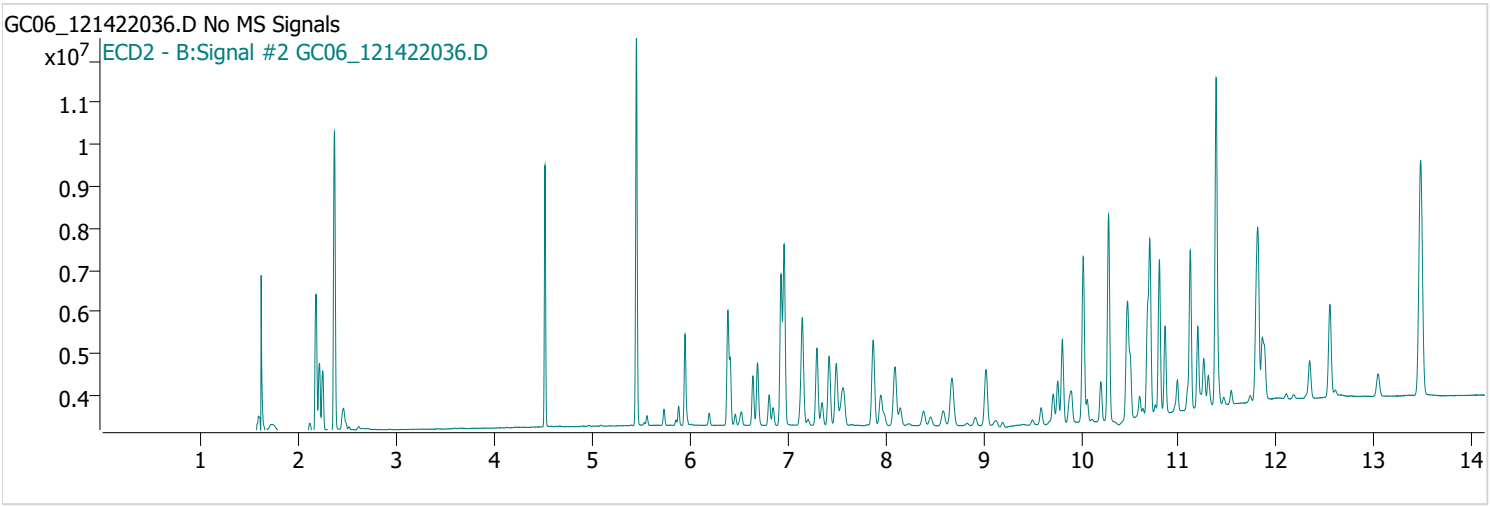
+=high bias -=low bias c=CCV

Analyst: MES 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422036.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 10:46:13 PM
Sample Name	CCV, S17386	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



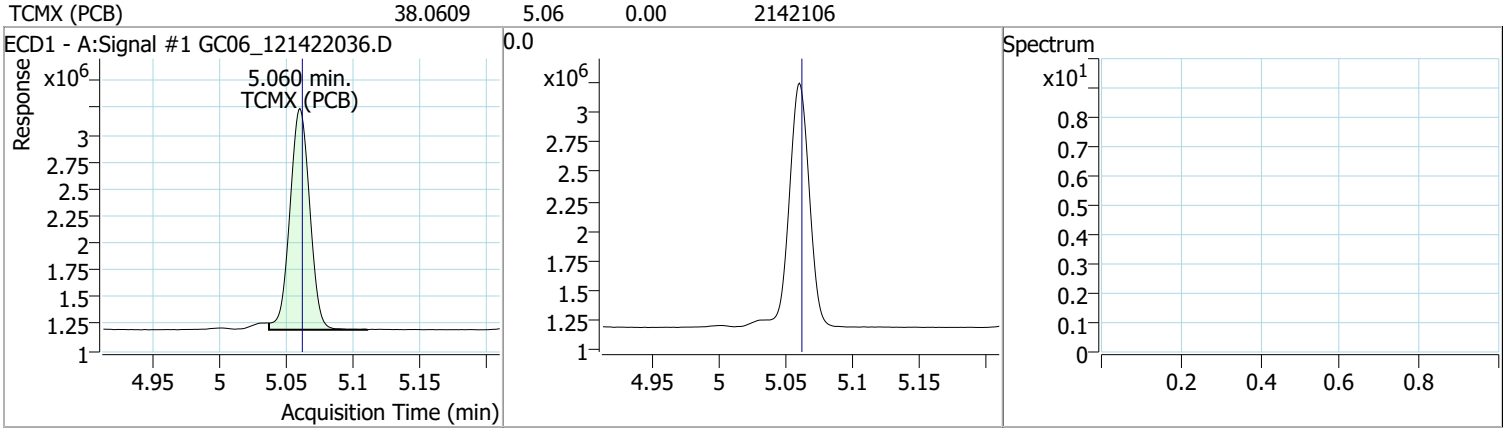


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	1170614.891	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.523	0.0	5560466.743	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.060	0.0	2142105.786	38.0609	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 190.30%		*	
S TCMX (PCB) #2	5.457	0.0	10143002.715	37.9833	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 189.92%		*	
S Decachlorobiphenyl (PCB)	12.070	0.0	3887450.334	50.4694	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 252.35%		*	
S Decachlorobiphenyl (PCB) #2	13.471	0.0	14360207.132	48.6607	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 243.30%		*	
Target Compounds							QValue

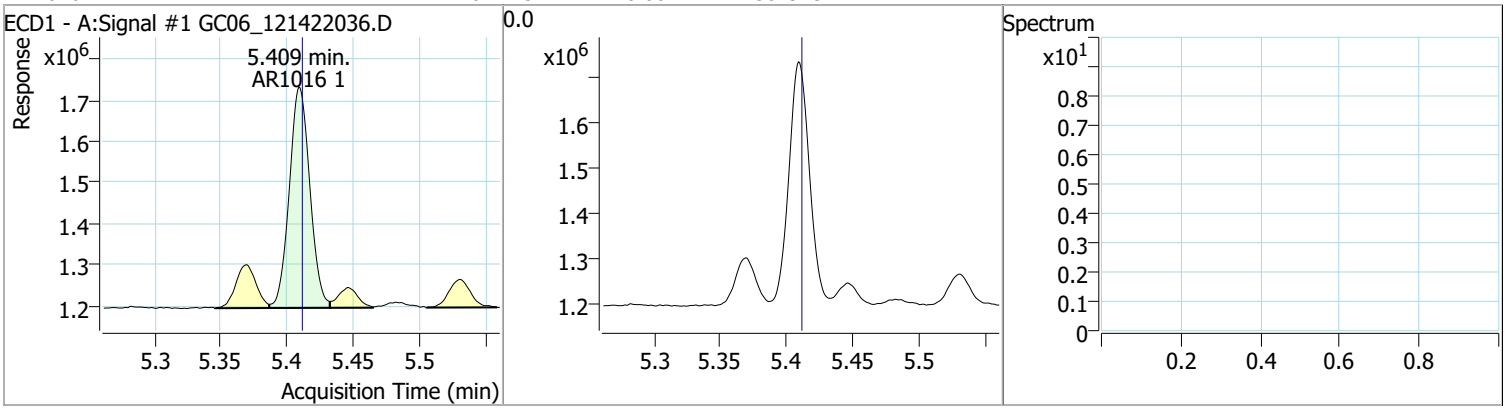
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.409	0.0	581923.263	474.1470	ng/ml		100
T AR1016 2	5.750	0.0	1240467.750	492.9343	ng/ml		100
T AR1016 1 #2	5.953	0.0	2803596.784	485.1257	ng/ml		100
T AR1016 3	6.223	0.0	1485471.598	477.3799	ng/ml		100
T AR1016 4	6.366	0.0	1142611.085	482.7964	ng/ml		100
T AR1016 2 #2	6.392	0.0	4003829.191	479.9365	ng/ml	m	100
T AR1016 5	6.562	0.0	671733.158	352.3874	ng/ml		100
T AR1016 3 #2	6.966	0.0	7071121.104	466.4872	ng/ml		100
T AR1016 4 #2	7.152	0.0	5119860.779	473.1151	ng/ml		100
T AR1016 5 #2	7.302	0.0	3228212.132	366.9976	ng/ml		100
T AR1260 1	8.772	0.0	1715585.022	433.4614	ng/ml		100
T AR1260 2	9.255	0.0	2611796.697	432.9543	ng/ml		100
T AR1260 3	9.682	0.0	2780301.428	440.9482	ng/ml		100
T AR1260 1 #2	10.023	0.0	6971544.602	421.2953	ng/ml		100
T AR1260 4	10.162	0.0	1666849.357	485.0722	ng/ml		100
T AR1260 2 #2	10.282	0.0	8492123.601	427.1122	ng/ml		100
T AR1260 3 #2	10.703	0.0	9880429.306	392.5936	ng/ml		100
T AR1260 5	10.850	0.0	1953045.681	260.1344	ng/ml		100
T AR1260 4 #2	11.117	0.0	6295125.783	432.0895	ng/ml		100
T AR1260 5 #2	11.381	0.0	12813113.069	593.9738	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

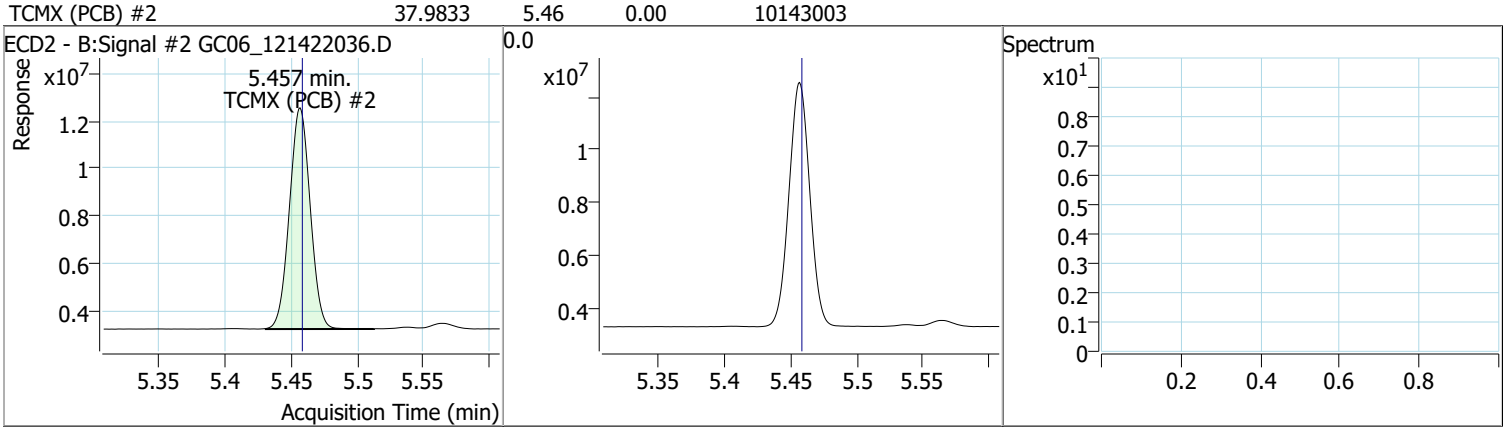
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	38.0609	5.06	0.00	2142106				



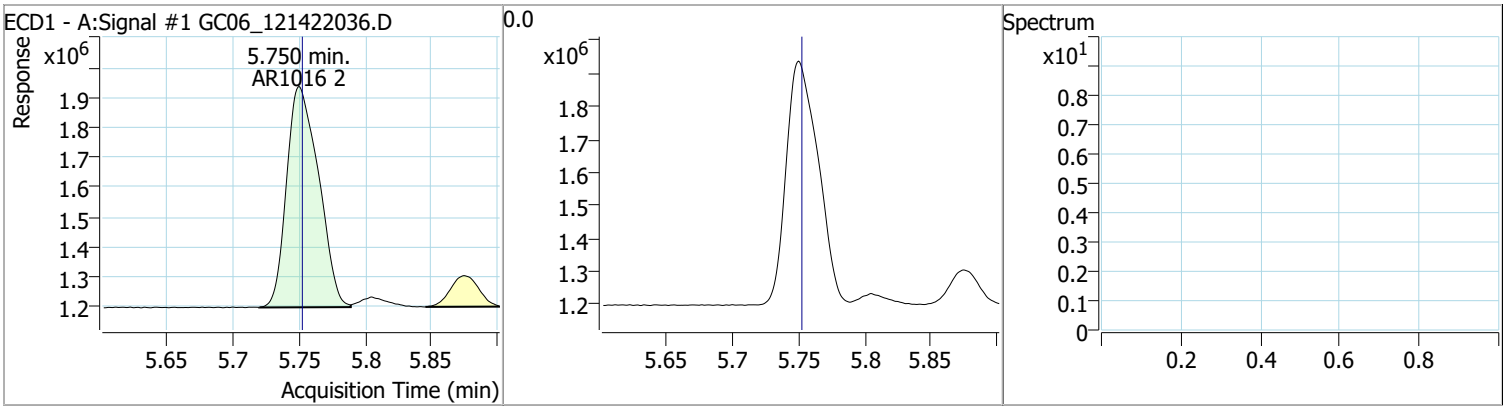
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	474.1470	5.41	0.00	581923				



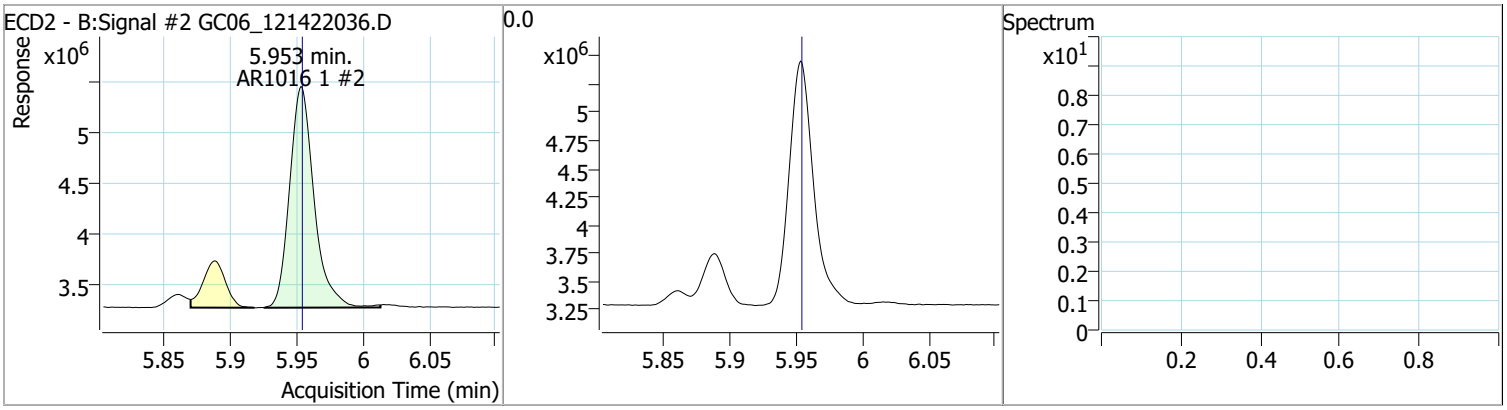
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.9833	5.46	0.00	10143003				



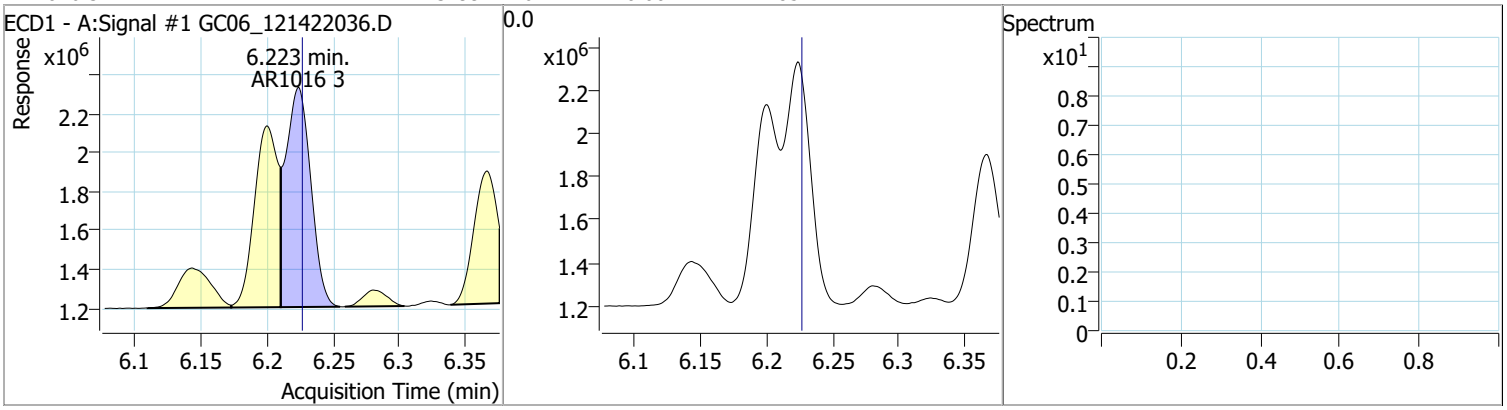
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	492.9343	5.75	0.00	1240468				



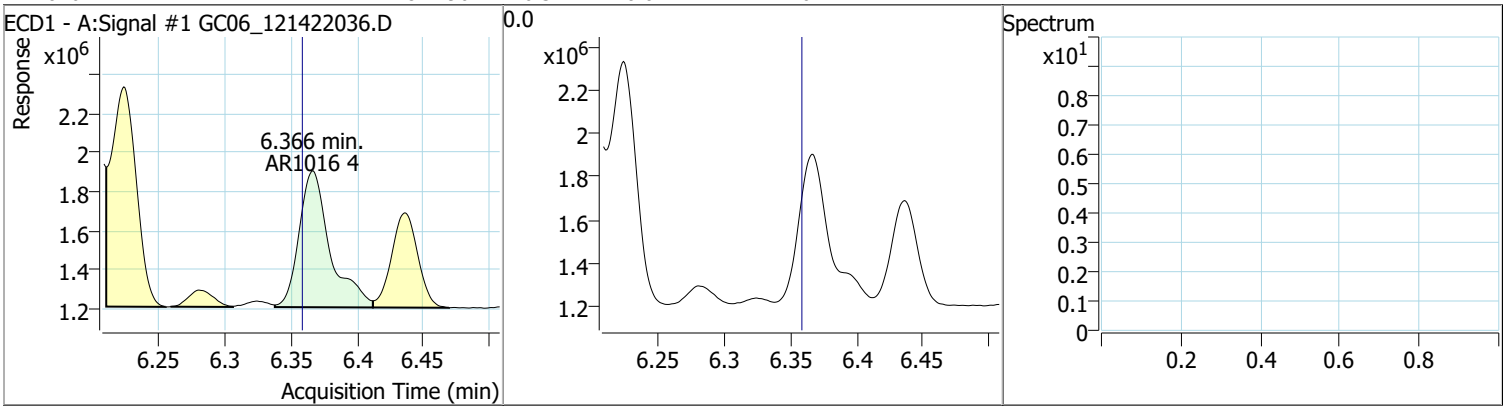
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	485.1257	5.95	0.00	2803597				



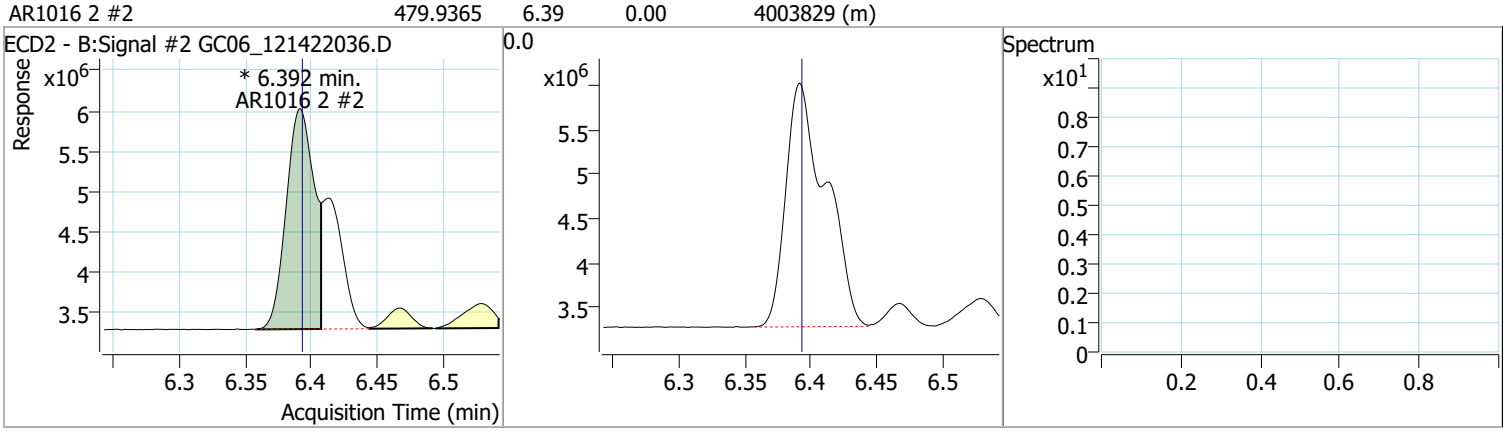
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	477.3799	6.22	0.00	1485472				



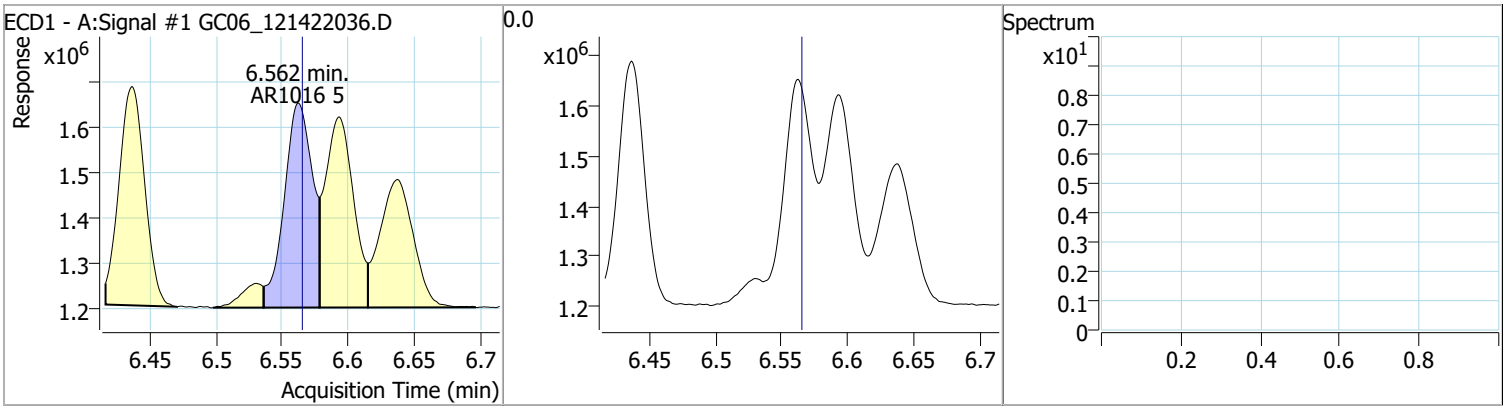
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	482.7964	6.37	0.01	1142611				



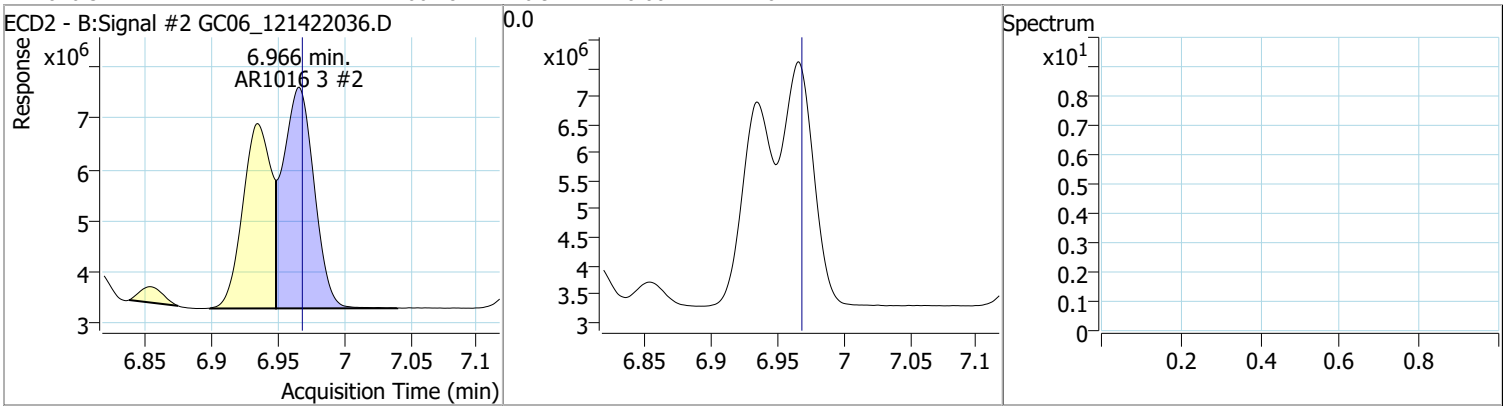
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	479.9365	6.39	0.00	4003829 (m)				



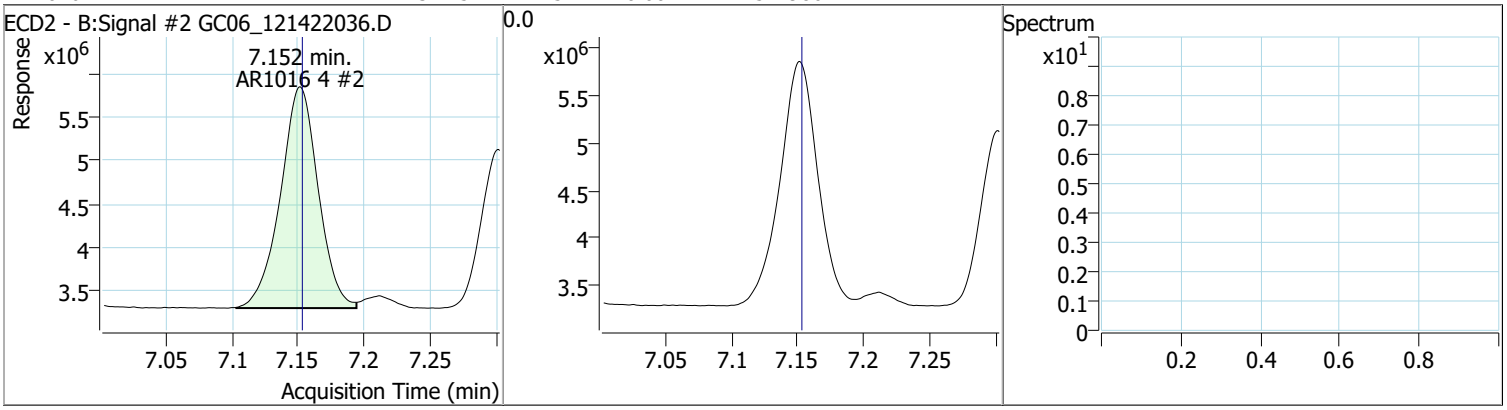
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	352.3874	6.56	-0.01	671733				



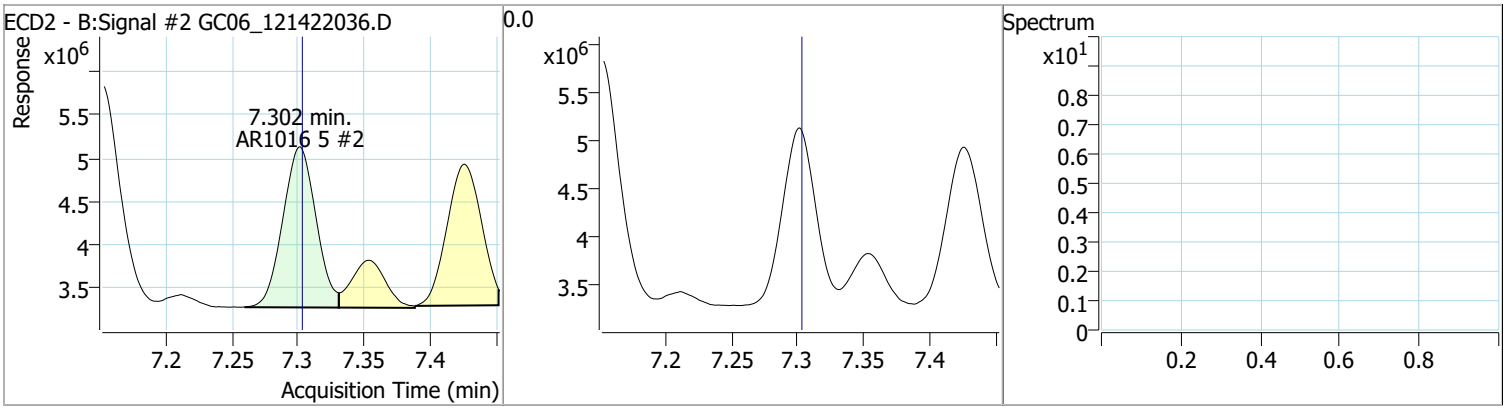
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	466.4872	6.97	0.00	7071121				



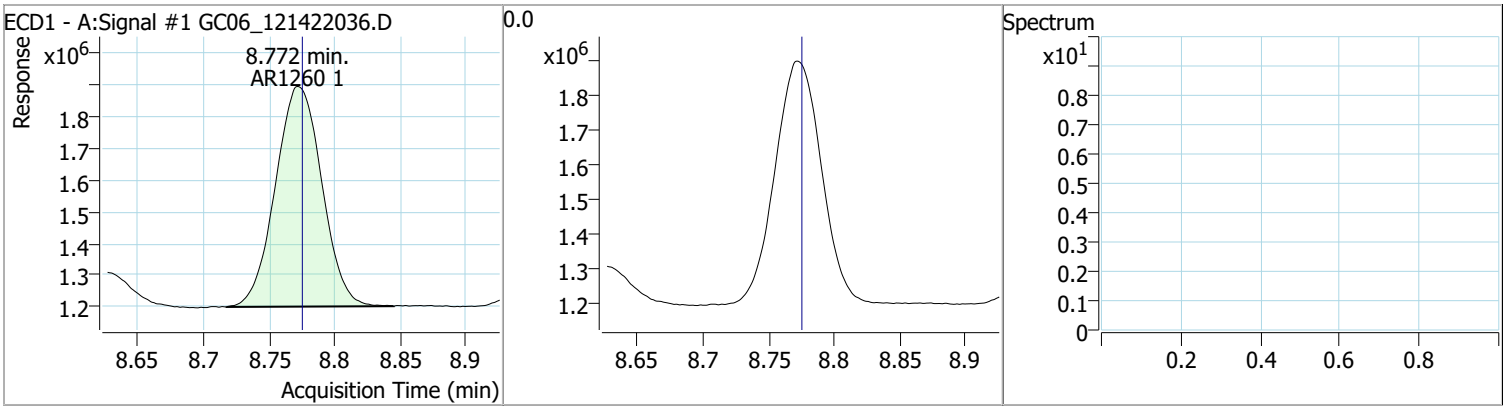
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	473.1151	7.15	0.00	5119861				



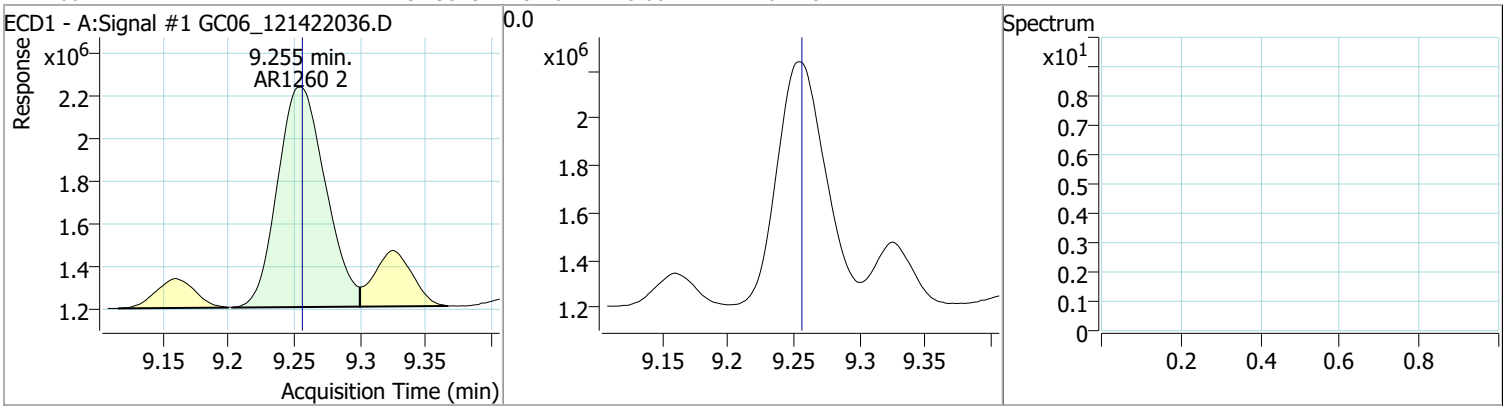
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	366.9976	7.30	0.00	3228212				



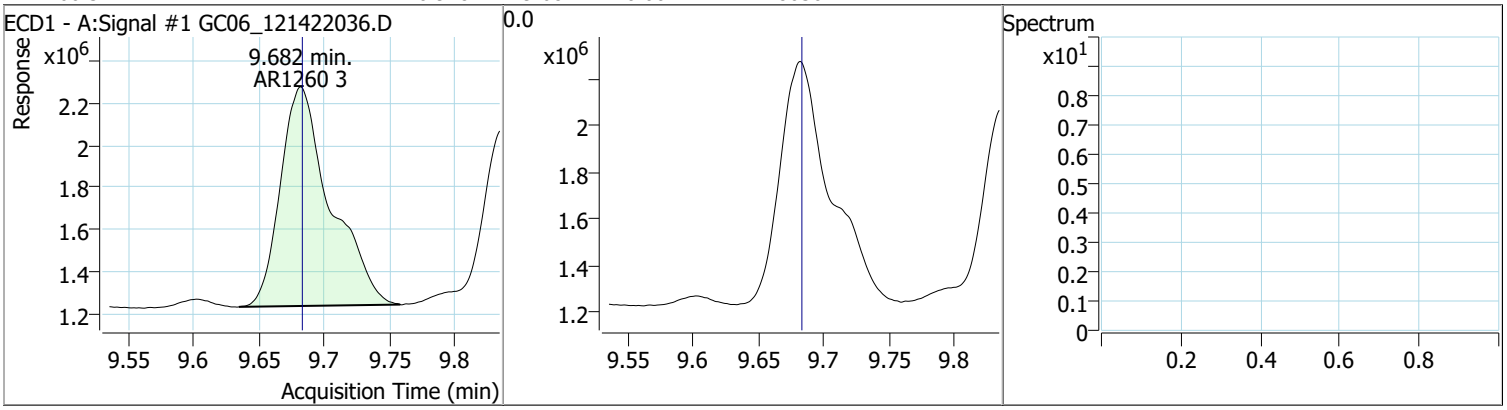
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	433.4614	8.77	-0.01	1715585				



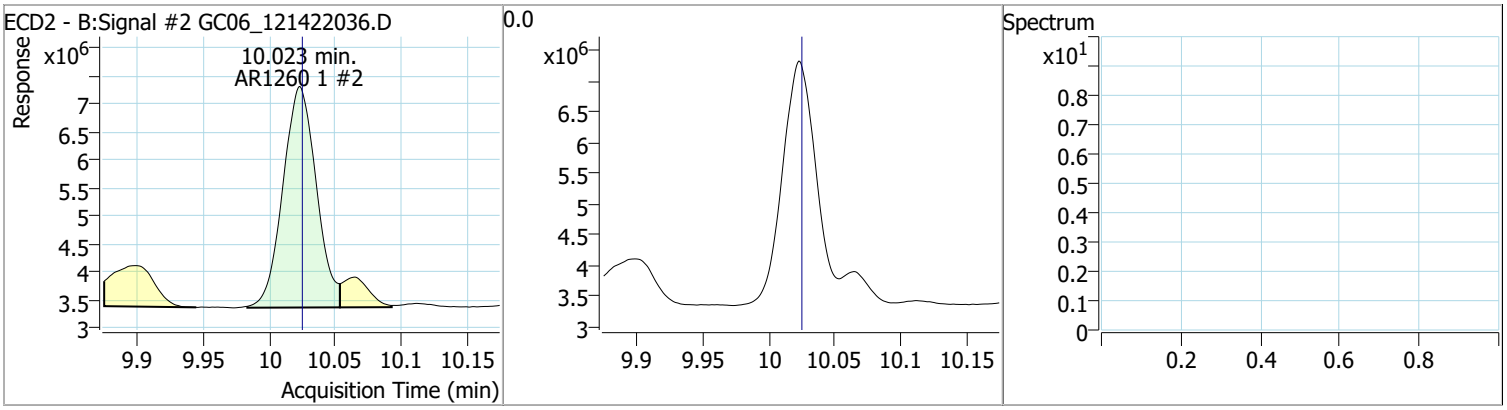
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	432.9543	9.26	0.00	2611797				



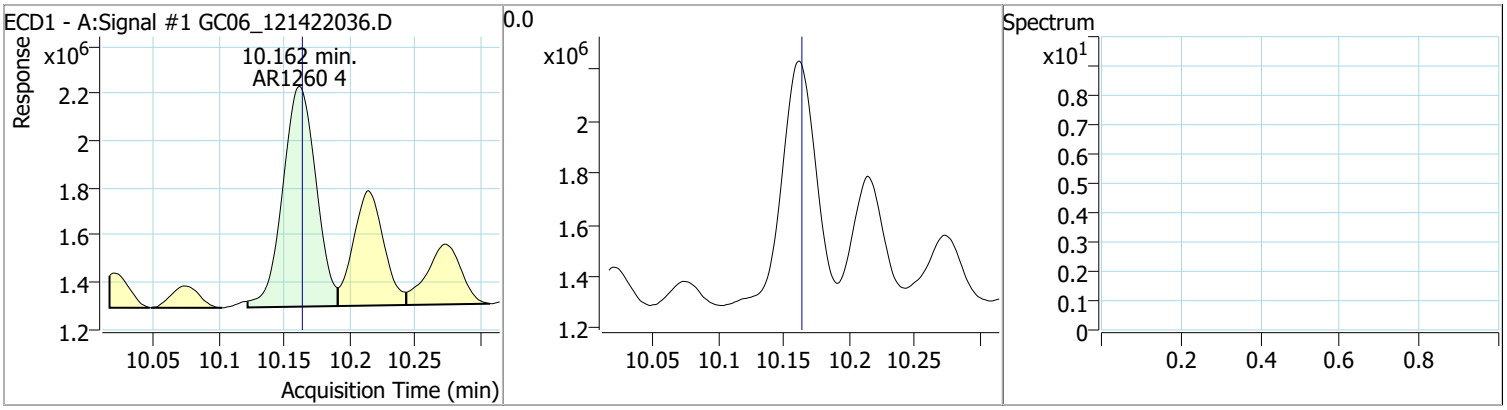
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	440.9482	9.68	0.00	2780301				



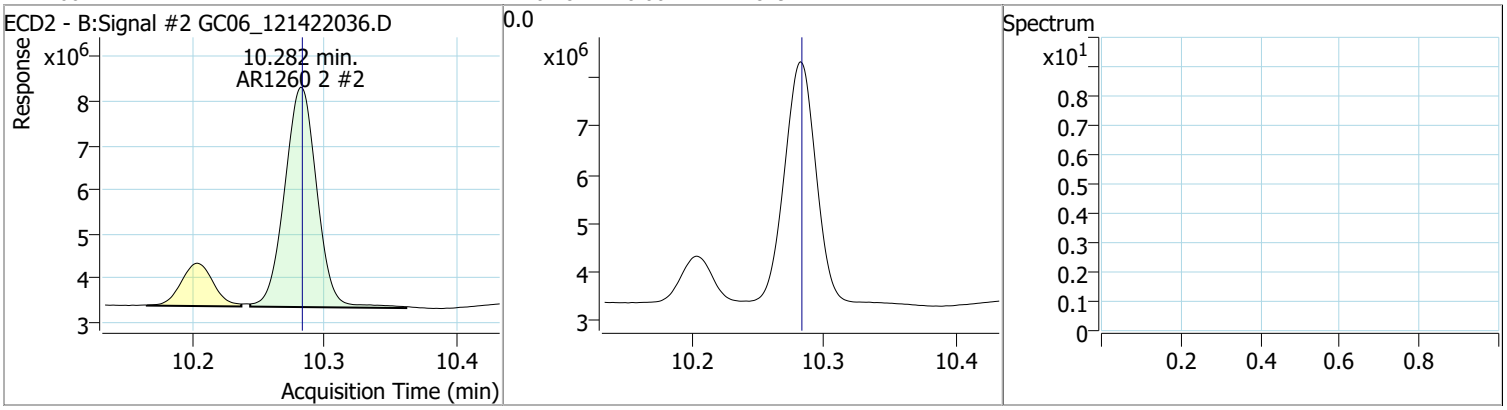
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	421.2953	10.02	0.00	6971545				



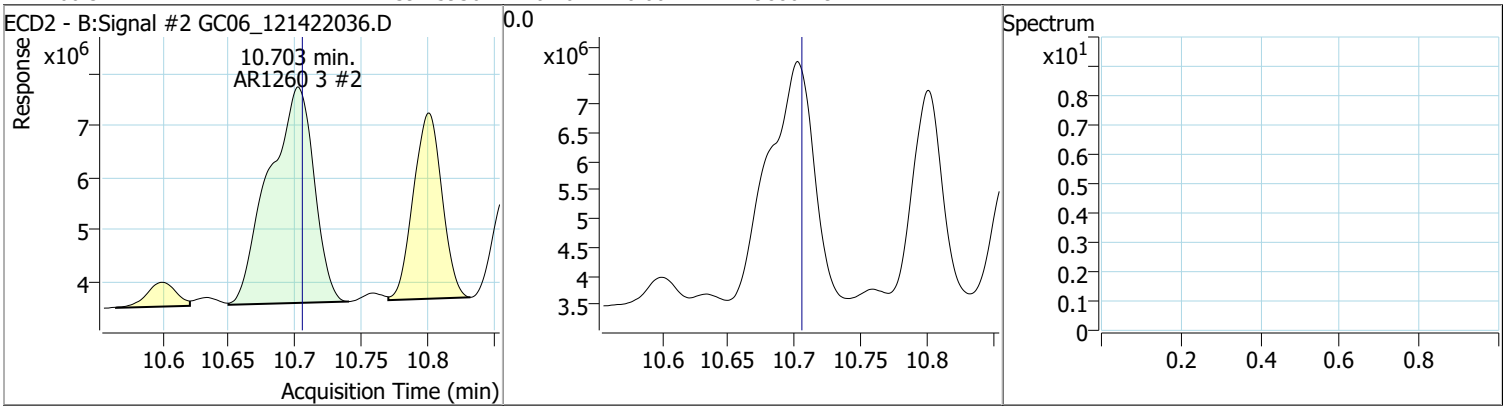
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	485.0722	10.16	-0.01	1666849				



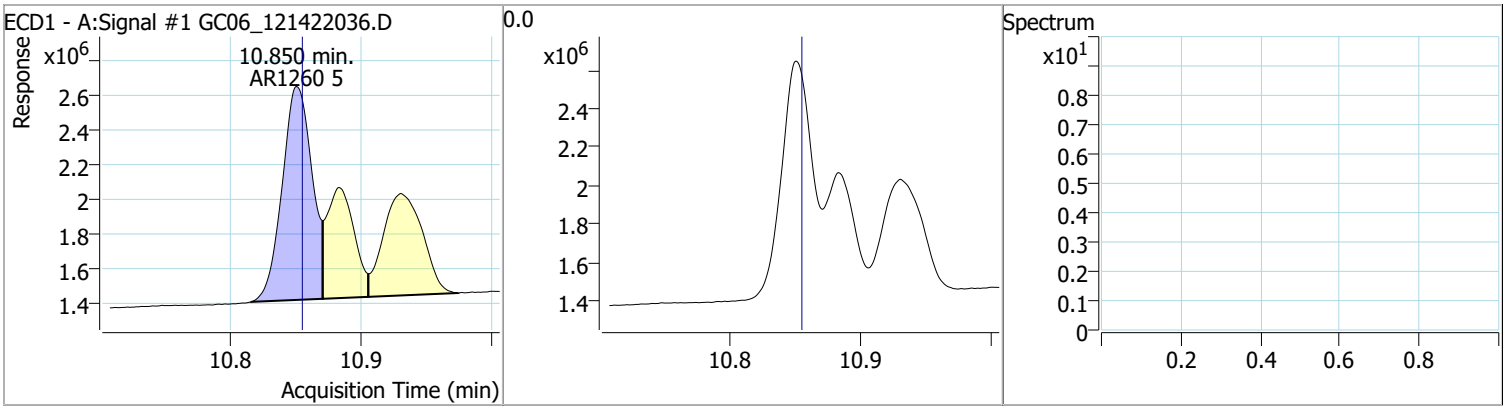
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	427.1122	10.28	0.00	8492124				



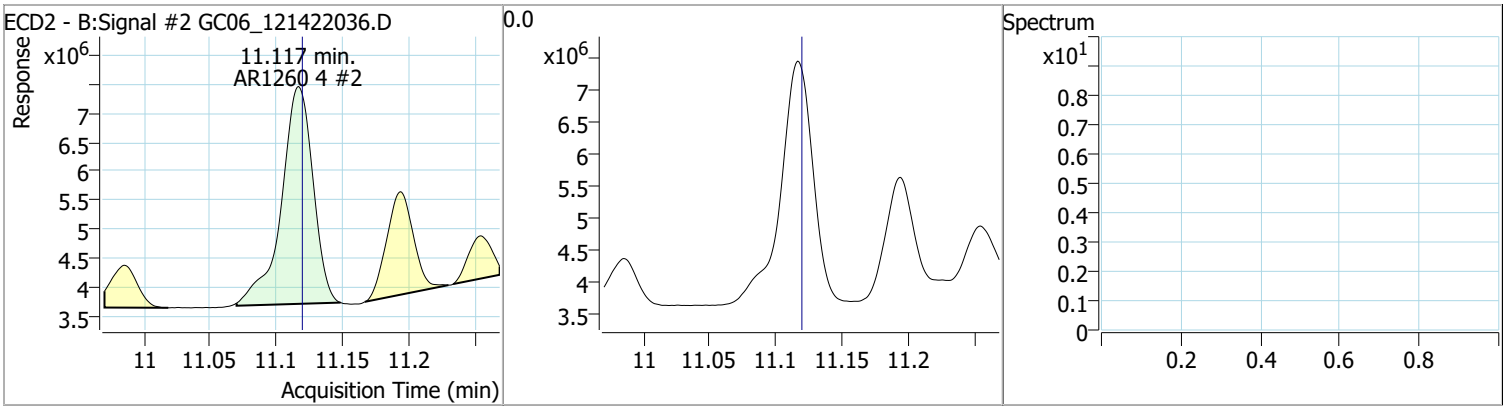
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	392.5936	10.70	0.00	9880429				



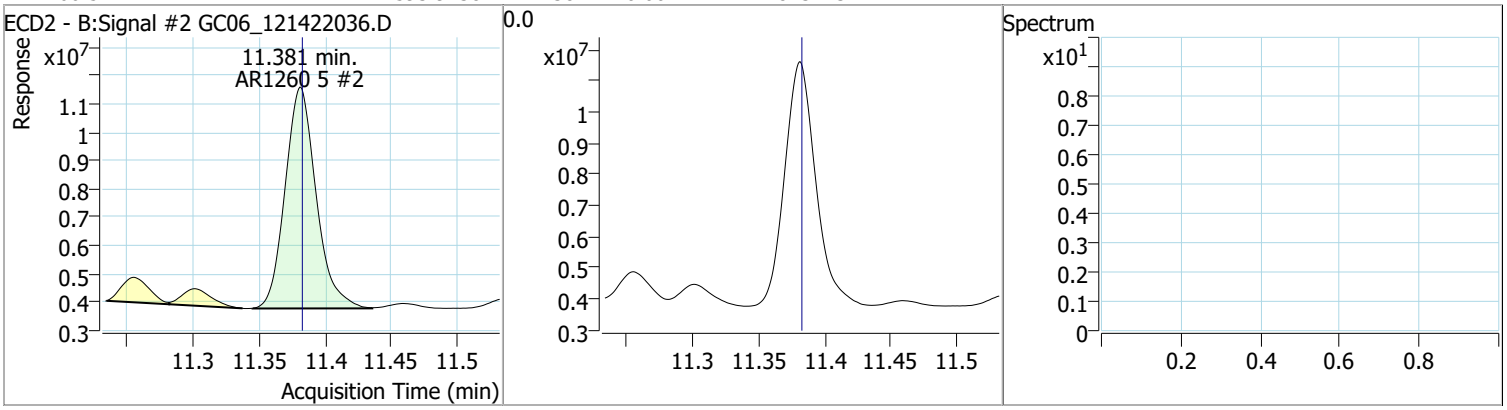
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	260.1344	10.85	-0.01	1953046				



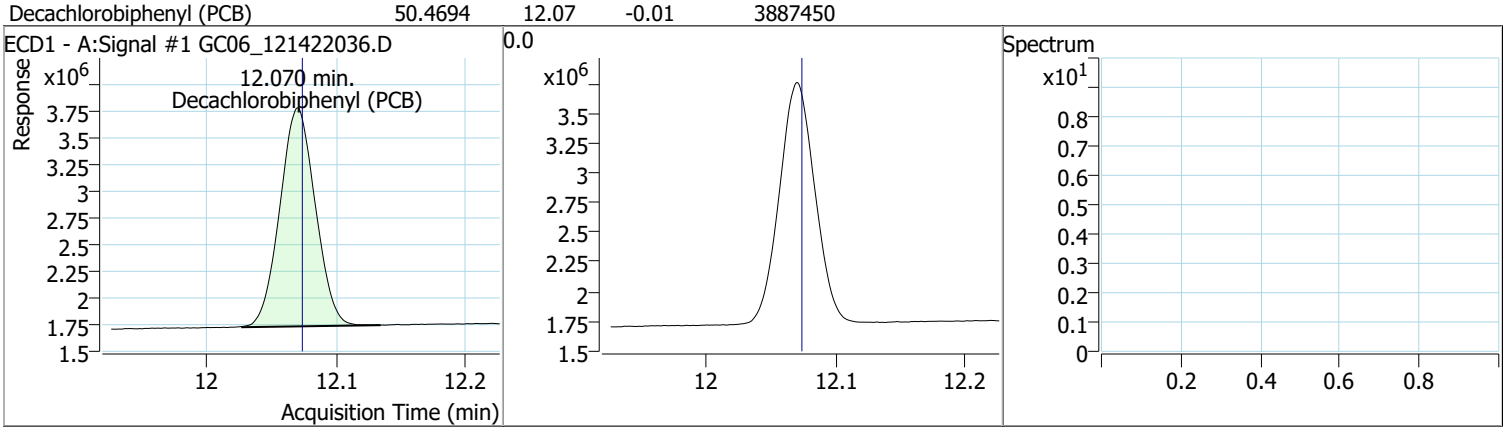
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	432.0895	11.12	0.00	6295126				



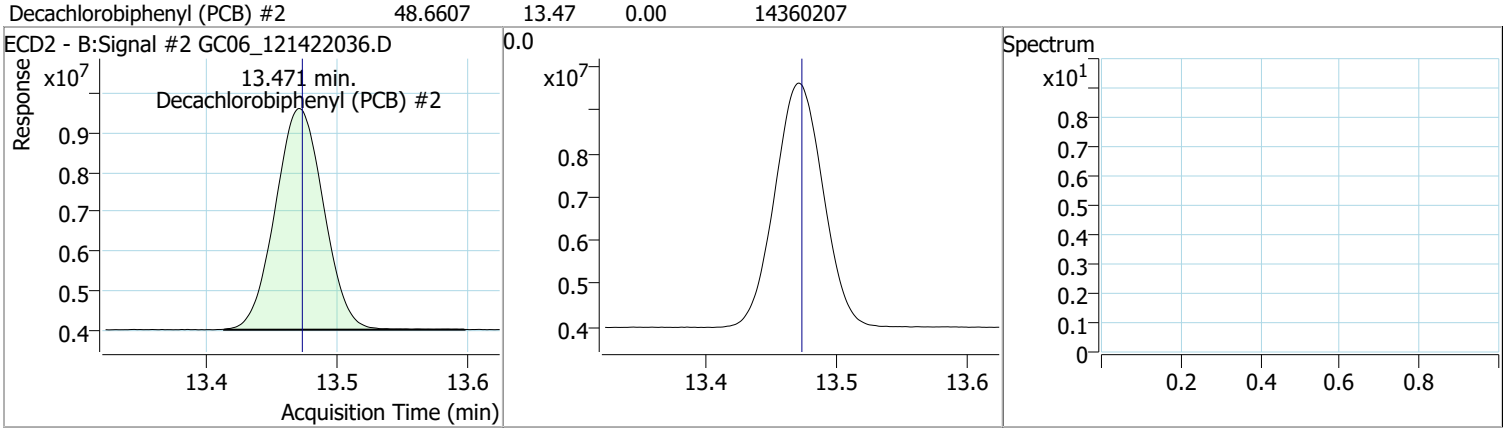
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	593.9738	11.38	0.00	12813113				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	50.4694	12.07	-0.01	3887450				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	48.6607	13.47	0.00	14360207				



ENTHALPY CONTINUING CALIBRATION FOR 474711 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452503102004	File:	gc06_121522004	Time:	15-DEC-2022 09:38
Cal:	452428510002	Caldate:	24-OCT-2022		

Standards: S17386

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	485.1	ug/L	-3	15	0.0000	
Aroclor-1260	A			500.0	456.2	ug/L	-9	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.4080	2.0122	40.00	62.08	ug/L	**55**	15	0.0000	c+
TCMX (PCB)	A	0.9616	0.9735	40.00	40.50	ug/L	1	15	0.0000	
Aroclor-1016	B			500.0	486.7	ug/L	-3	15	0.0000	
Aroclor-1260	B			500.0	494.5	ug/L	-1	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2084	1.5129	40.00	57.37	ug/L	**43**	15	0.0000	c+
TCMX (PCB)	B	0.9605	0.9669	40.00	40.27	ug/L	1	15	0.0000	

ISTD (ICAL gc06_102422015)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4414084	8070907	82.84
1-bromo-2-nitrobenzene (PCB)	A	1096423	1798677	64.05

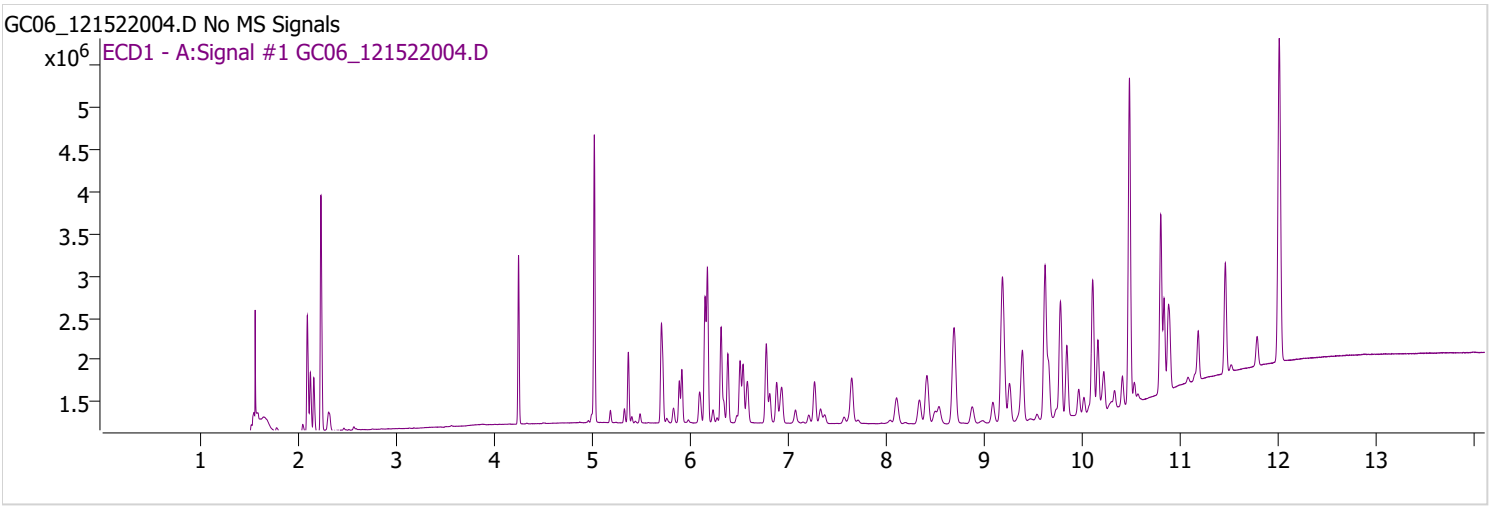
MES 12/15/22 [Aroclor-1016 A]: Separated from coeluting peak for Ch. A.

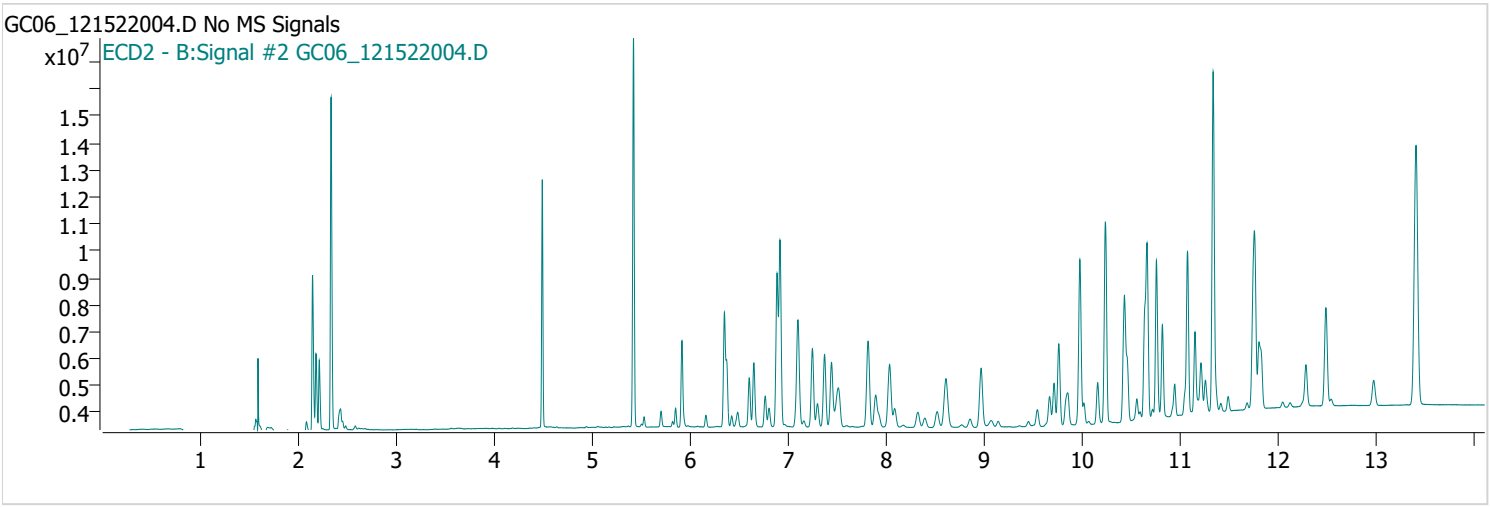
+=high bias c=CCV

Analyst: MES 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121522004.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 9:38:46 AM
Sample Name	CCV, S17386	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_12.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121522PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



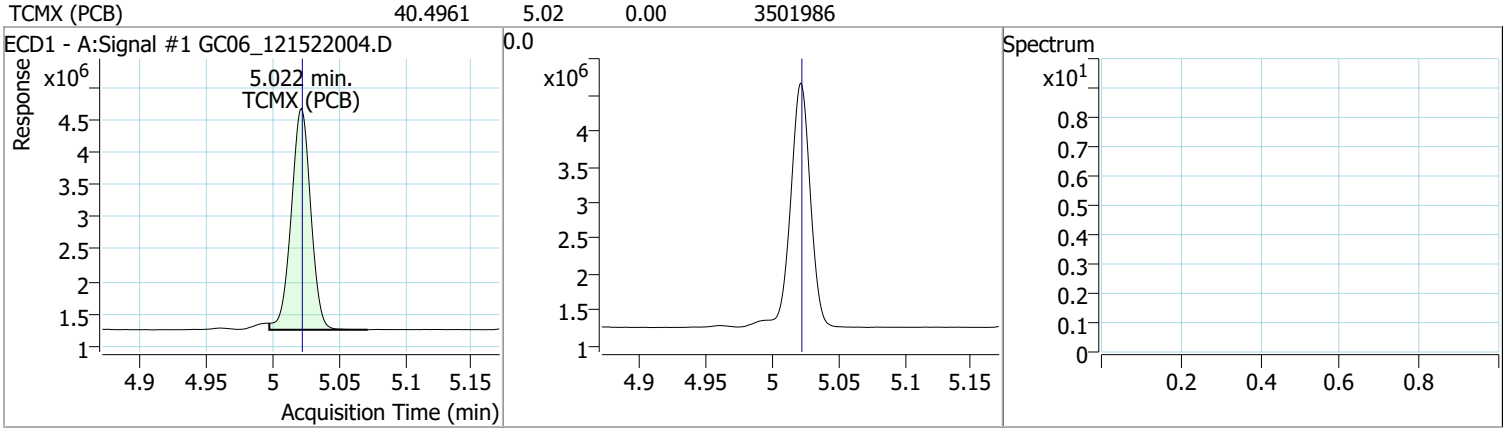


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.248	0.0	1798677.333	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.490	0.0	8070906.552	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.022	0.0	3501986.130	40.4961	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 202.48%		*	
S TCMX (PCB) #2	5.422	0.0	15608221.284	40.2687	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 201.34%		*	
S Decachlorobiphenyl (PCB)	12.016	0.0	7238601.555	62.0772	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 310.39%		*	
S Decachlorobiphenyl (PCB) #2	13.413	0.0	24420335.561	57.3735	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 286.87%		*	
Target Compounds							QValue

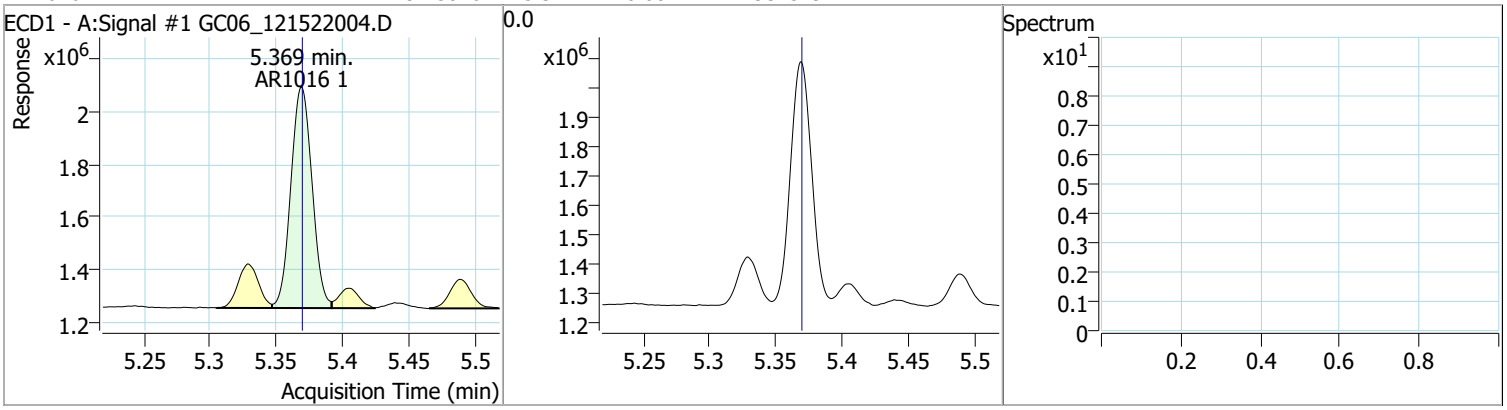
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.369	0.0	932528.772	494.5046	ng/ml		100
T AR1016 2	5.708	0.0	1982798.231	513.4140	ng/ml		100
T AR1016 1 #2	5.917	0.0	4229584.185	504.2261	ng/ml		100
T AR1016 3	6.176	0.0	2461111.532	514.7447	ng/ml		100
T AR1016 4	6.317	0.0	1898476.021	522.0733	ng/ml		100
T AR1016 2 #2	6.350	0.0	6181791.477	510.5185	ng/ml	m	100
T AR1016 5	6.510	0.0	1114684.756	380.5717	ng/ml		100
T AR1016 3 #2	6.918	0.0	11111425.736	505.0219	ng/ml		100
T AR1016 4 #2	7.101	0.0	8095582.516	515.4015	ng/ml		100
T AR1016 5 #2	7.248	0.0	5087682.158	398.4832	ng/ml		100
T AR1260 1	8.696	0.0	3039709.547	499.8400	ng/ml		100
T AR1260 2	9.189	0.0	4502043.291	485.7056	ng/ml		100
T AR1260 3	9.625	0.0	4272105.028	440.9592	ng/ml		100
T AR1260 1 #2	9.980	0.0	10775771.348	448.6368	ng/ml		100
T AR1260 4	10.111	0.0	2928542.918	556.8692	ng/ml		100
T AR1260 2 #2	10.240	0.0	12950746.496	448.7551	ng/ml		100
T AR1260 3 #2	10.666	0.0	15816471.996	432.9781	ng/ml		100
T AR1260 5	10.806	0.0	3406116.264	297.7047	ng/ml		100
T AR1260 4 #2	11.079	0.0	10003522.467	475.2971	ng/ml		100
T AR1260 5 #2	11.341	0.0	20812305.619	666.9155	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

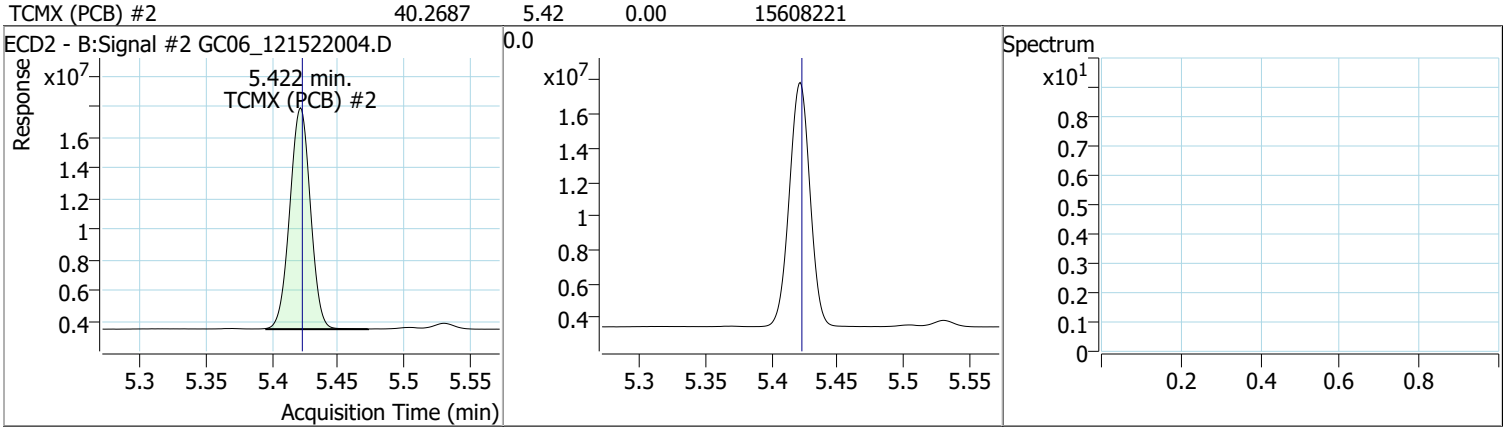
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	40.4961	5.02	0.00	3501986				



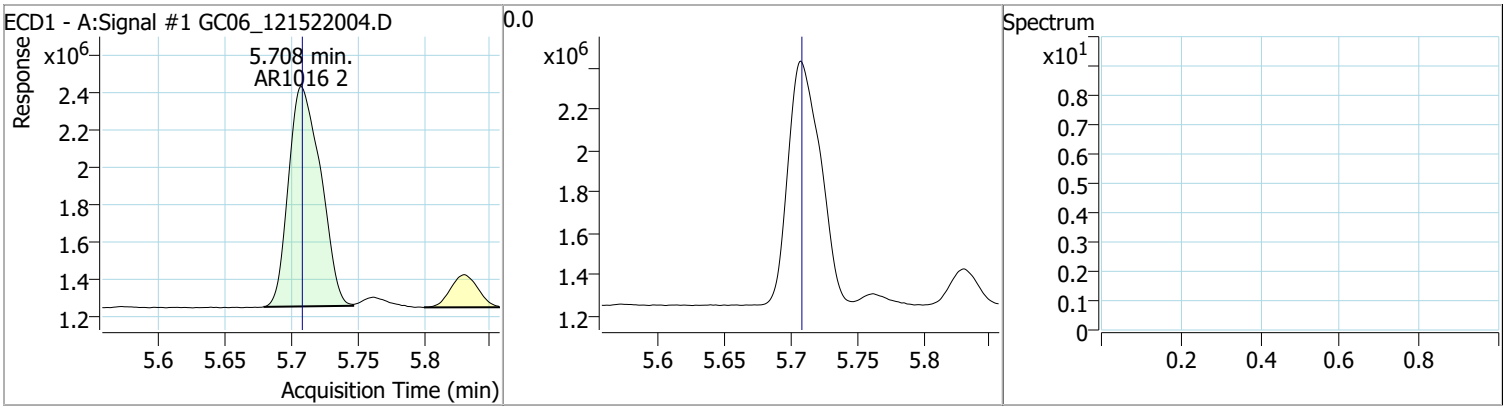
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	494.5046	5.37	0.00	932529				



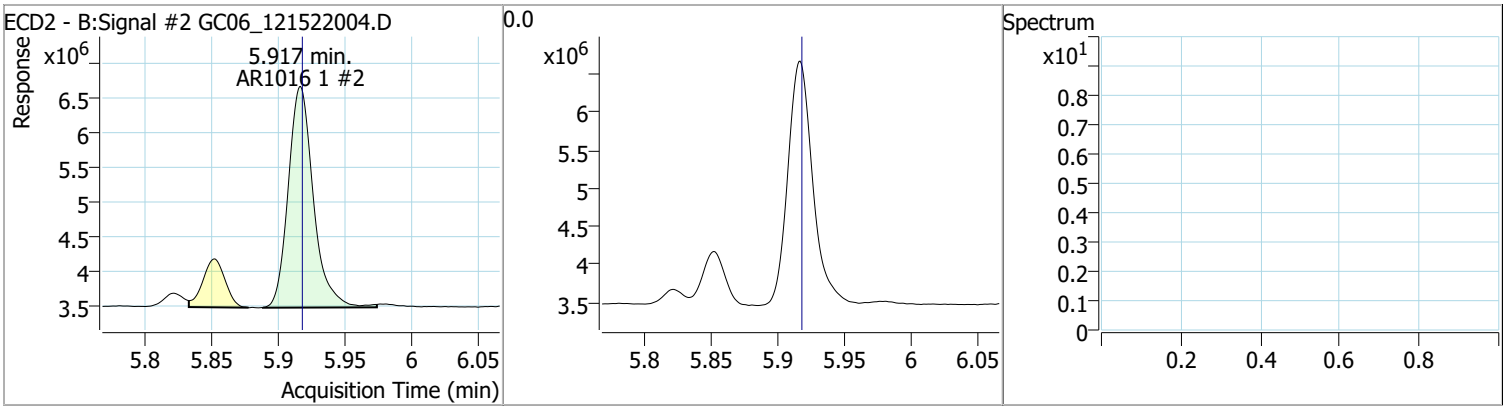
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	40.2687	5.42	0.00	15608221				



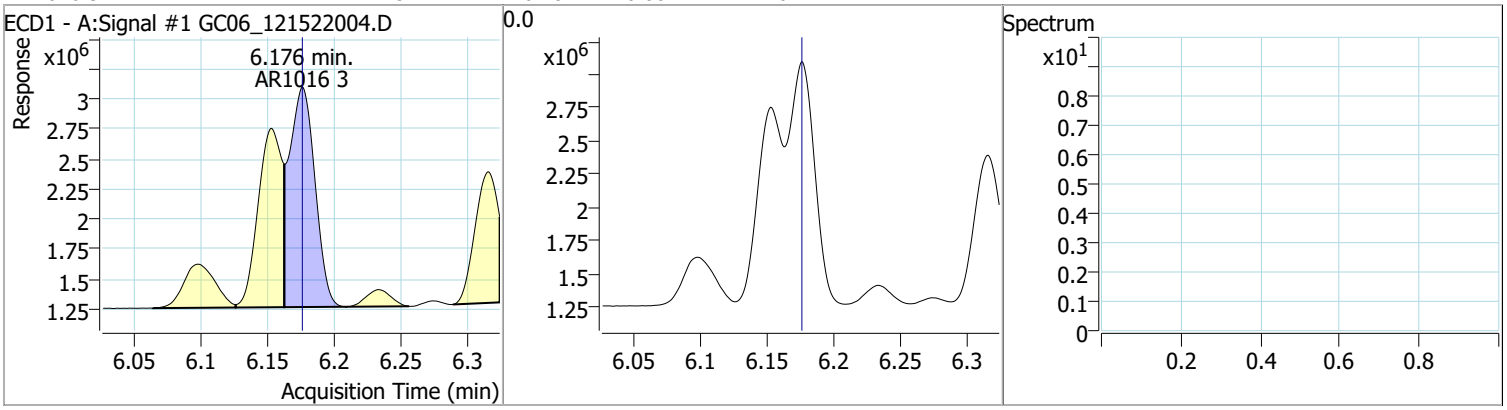
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	513.4140	5.71	0.00	1982798				



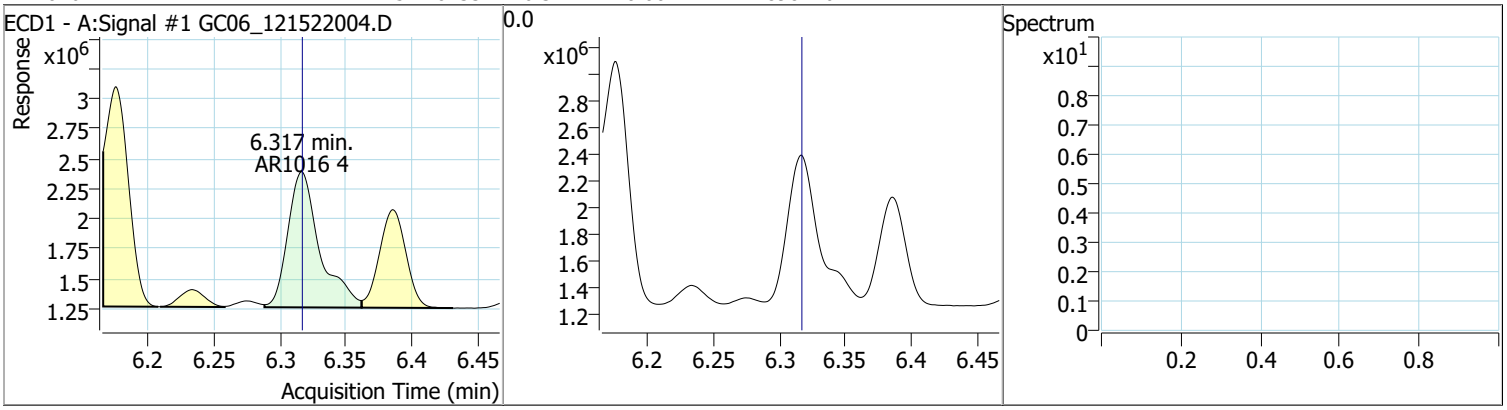
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	504.2261	5.92	0.00	4229584				



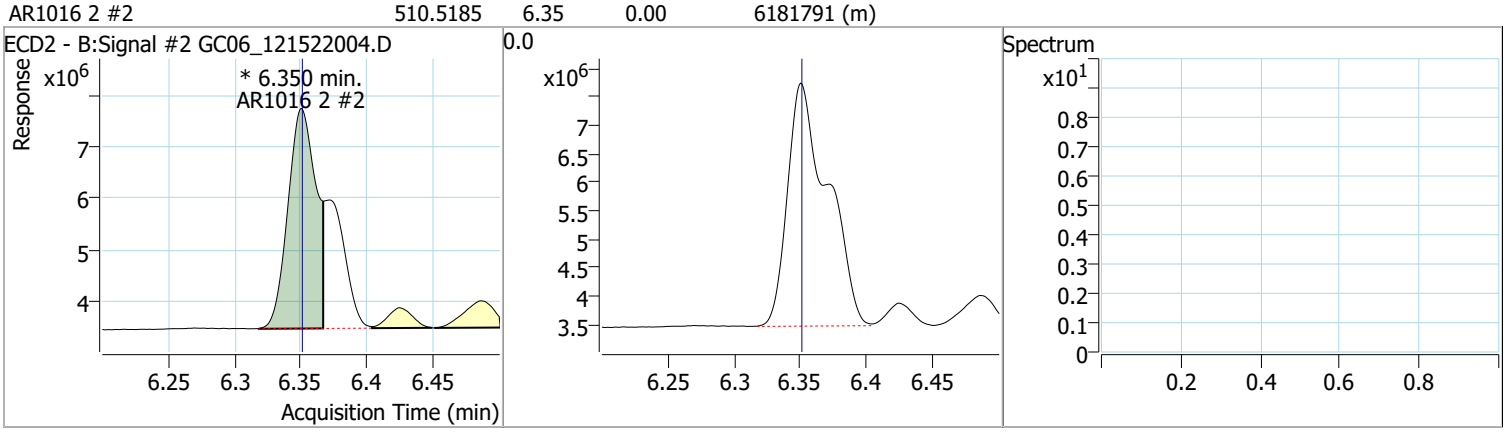
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	514.7447	6.18	0.00	2461112				



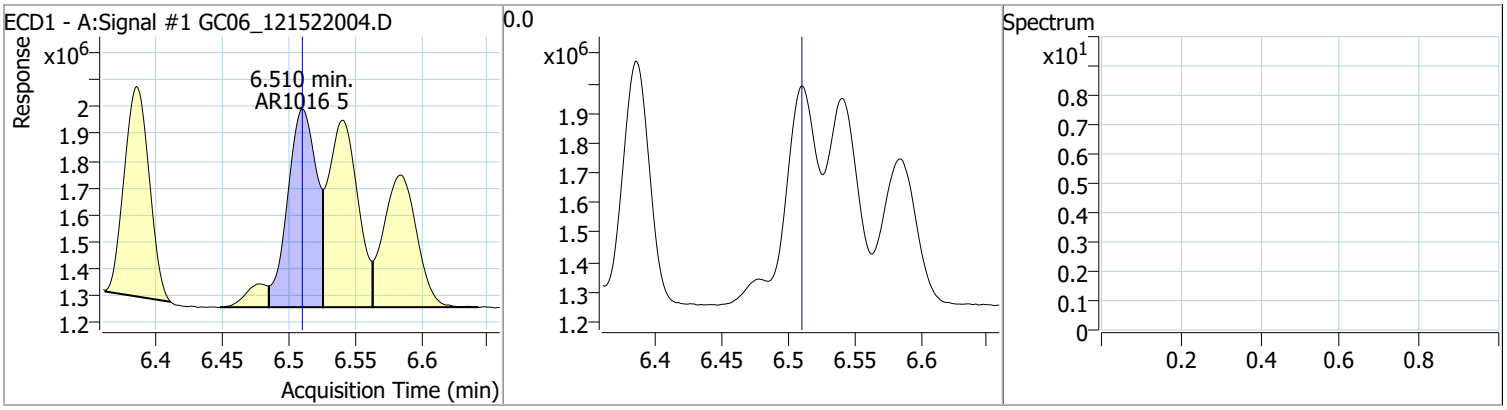
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	522.0733	6.32	0.00	1898476				



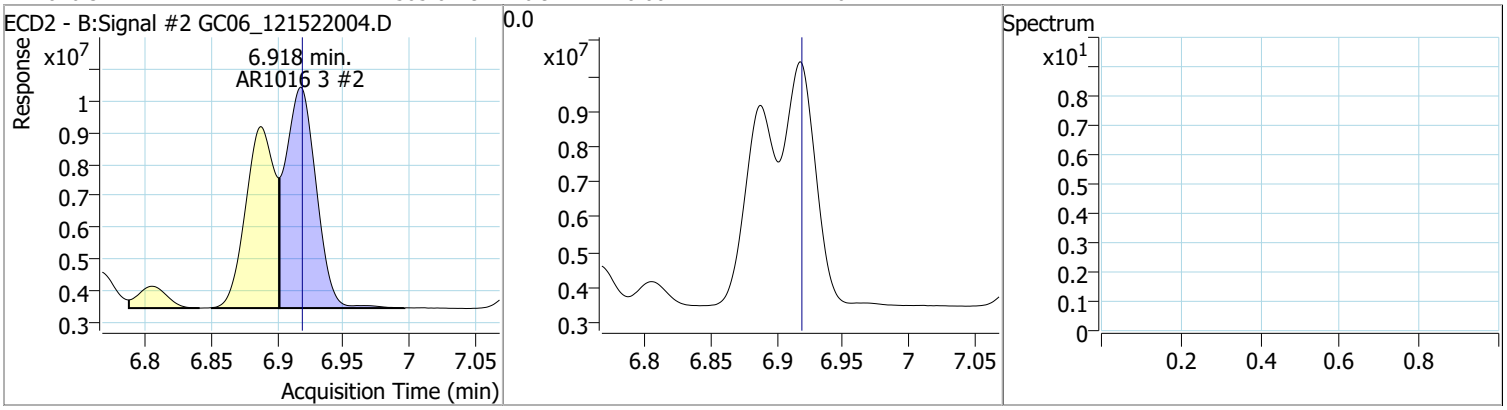
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	510.5185	6.35	0.00	6181791 (m)				



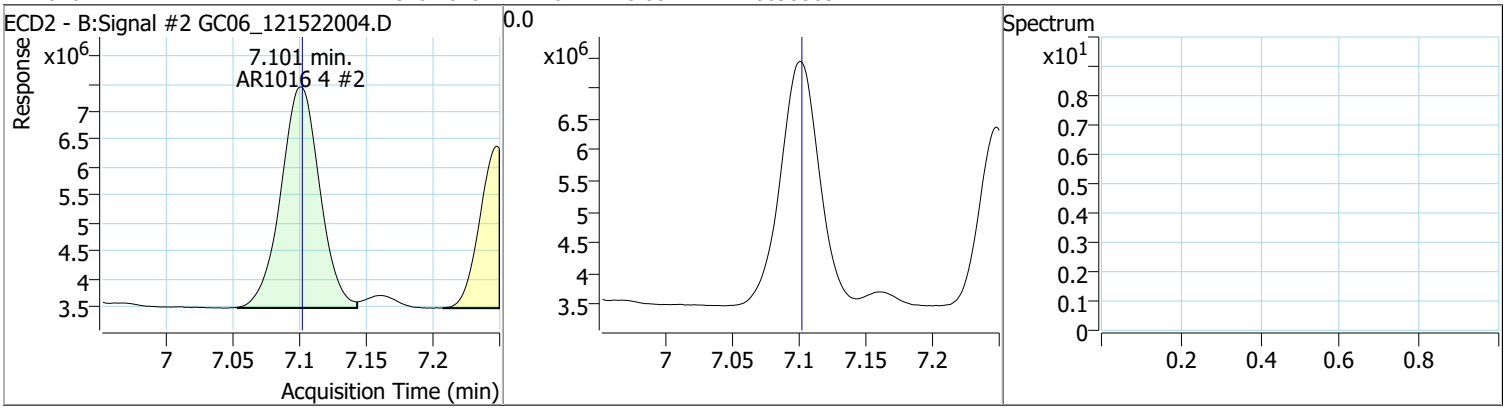
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	380.5717	6.51	0.00	1114685				



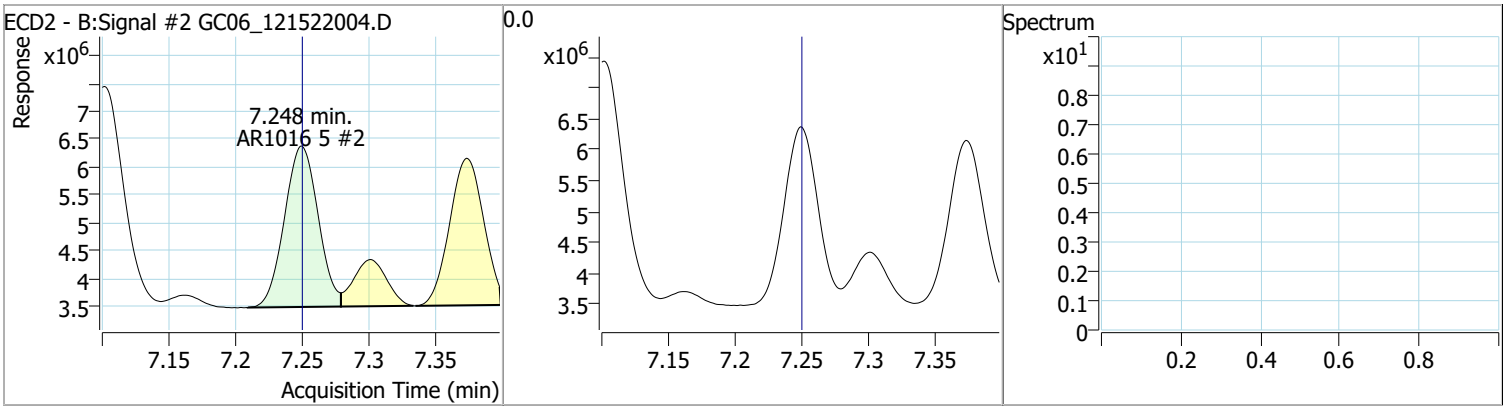
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	505.0219	6.92	0.00	11111426				



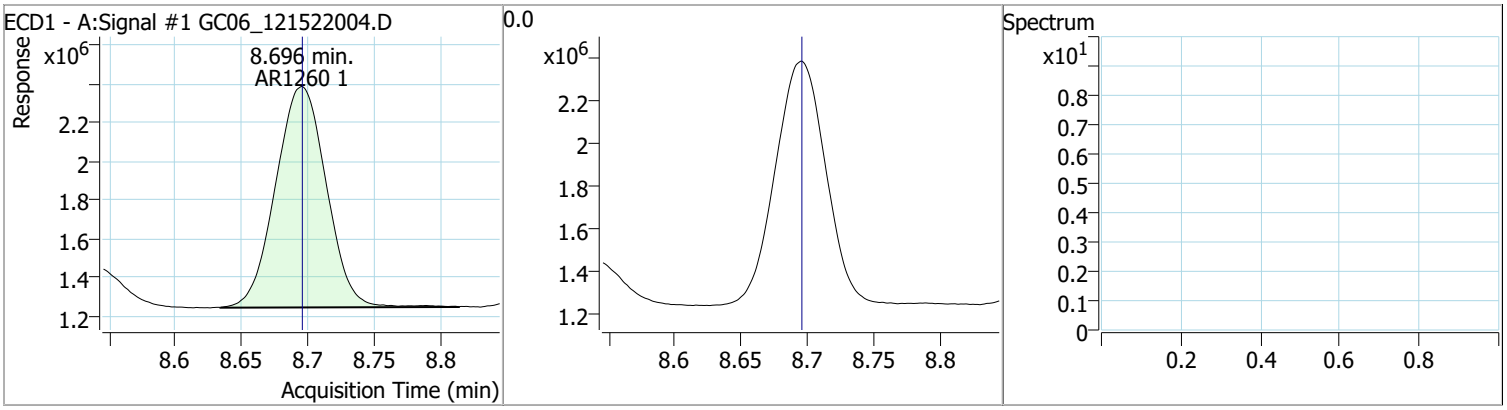
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	515.4015	7.10	0.00	8095583				



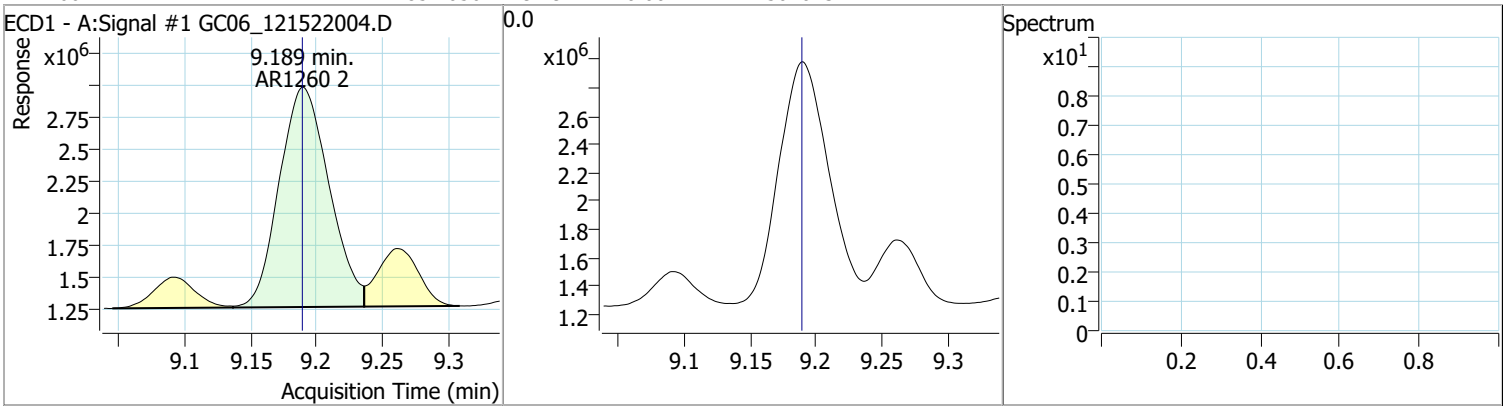
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	398.4832	7.25	0.00	5087682				



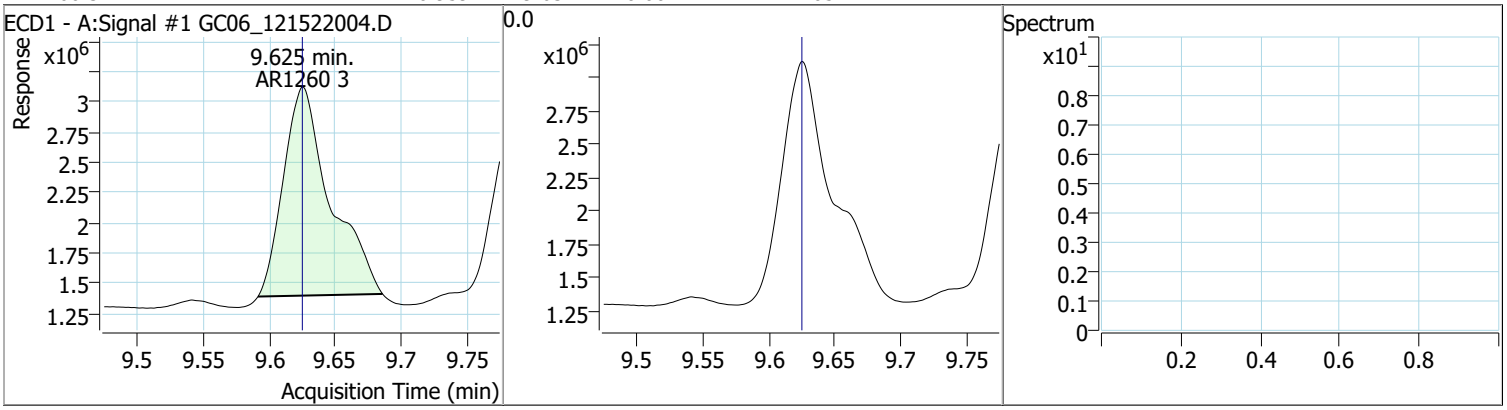
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	499.8400	8.70	0.00	3039710				



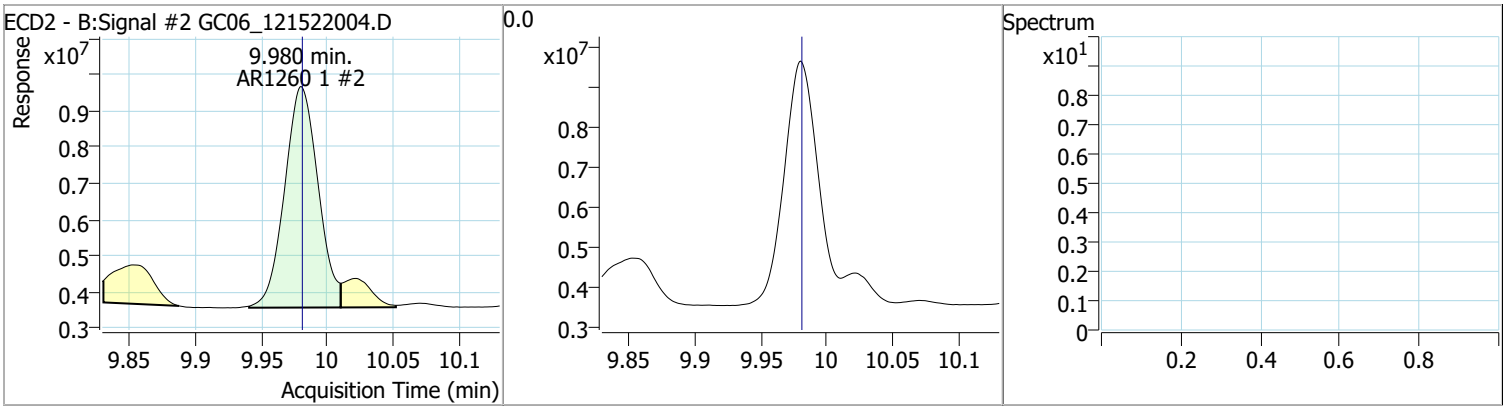
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	485.7056	9.19	0.00	4502043				



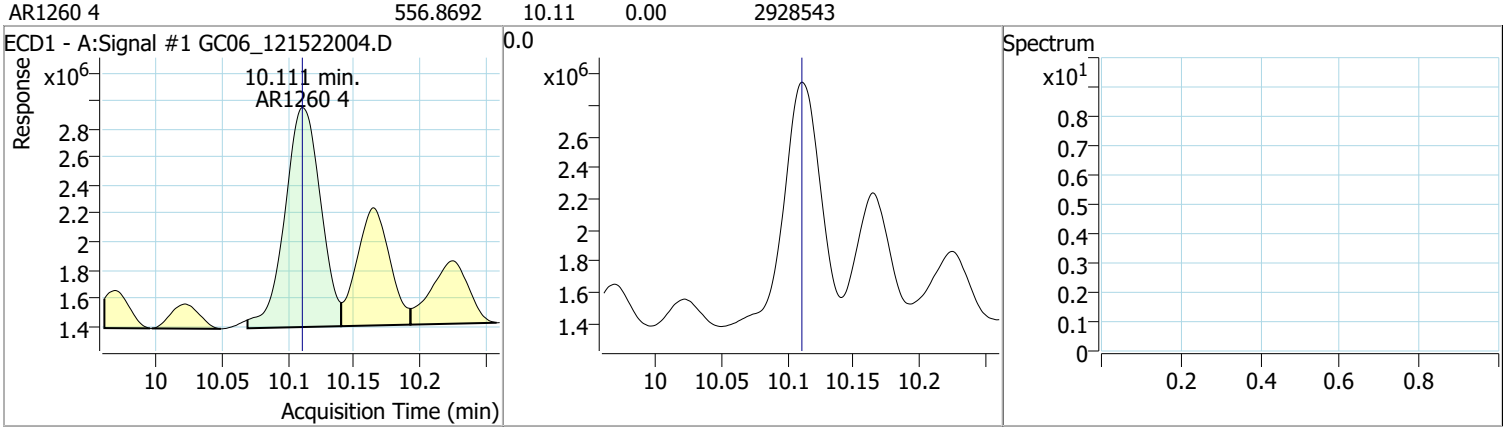
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	440.9592	9.63	0.00	4272105				



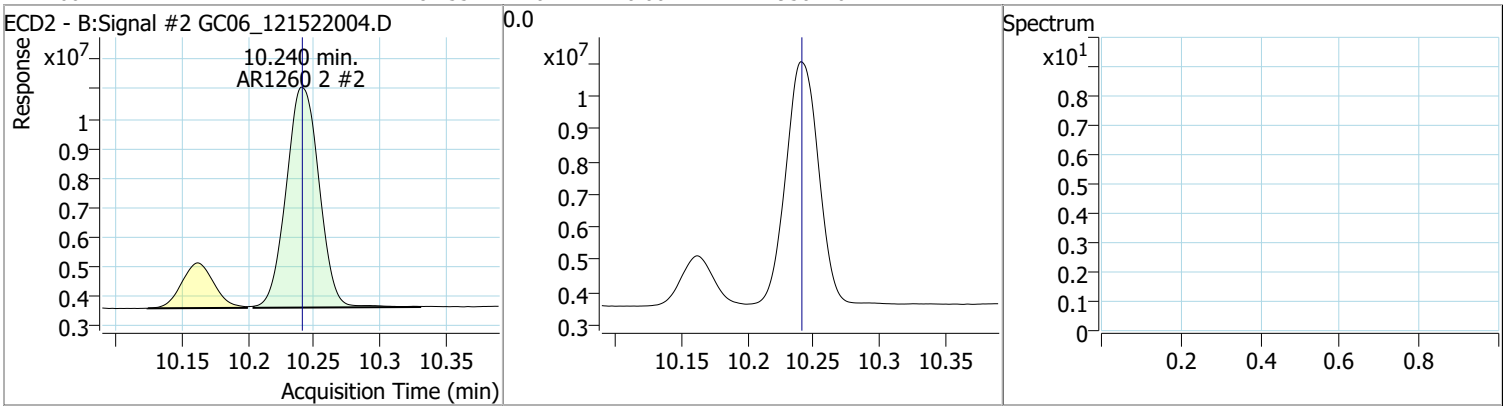
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	448.6368	9.98	0.00	10775771				



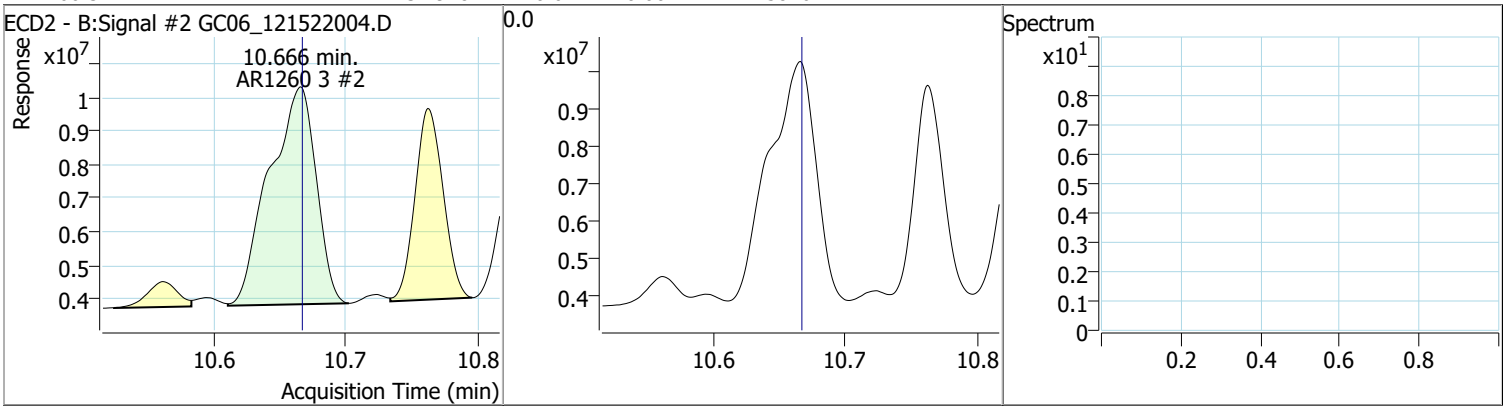
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	556.8692	10.11	0.00	2928543				



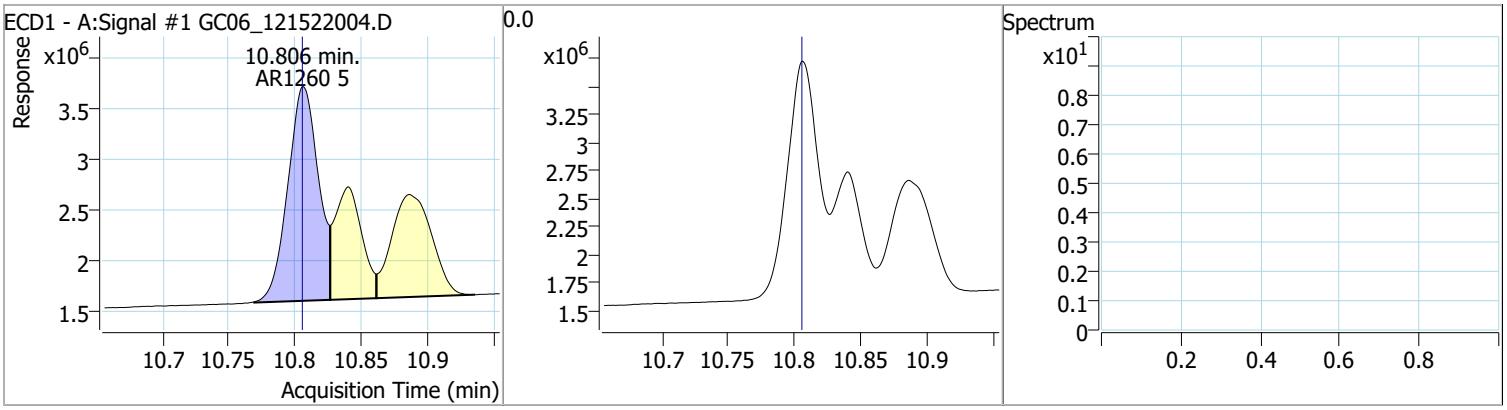
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	448.7551	10.24	0.00	12950746				



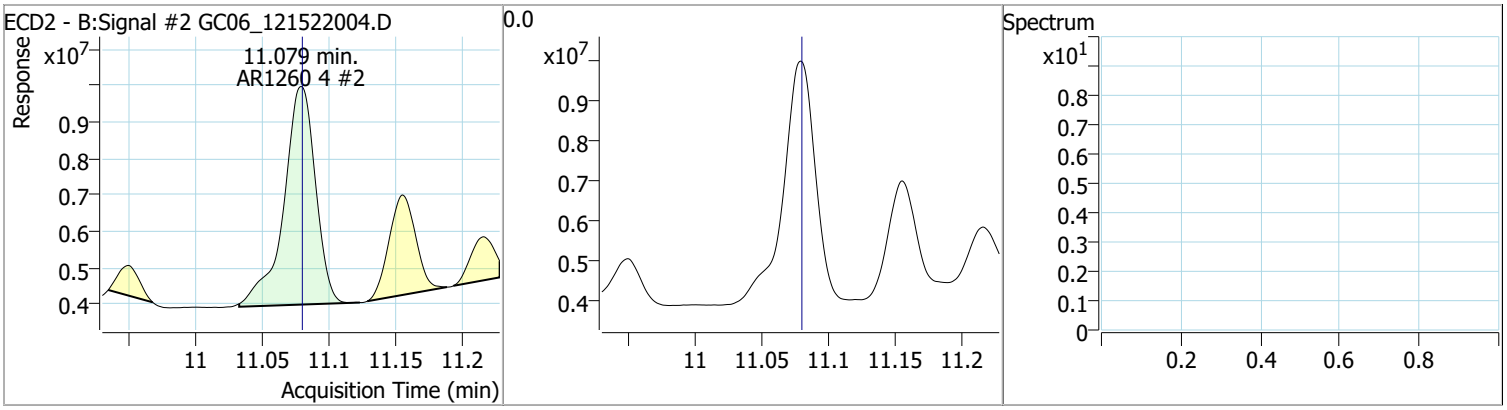
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	432.9781	10.67	0.00	15816472				



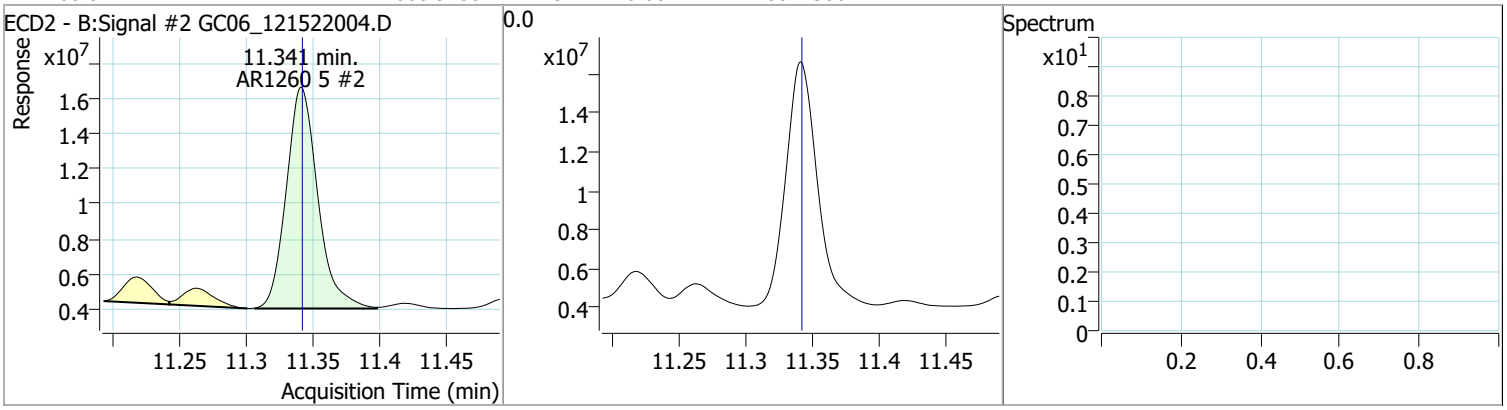
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	297.7047	10.81	0.00	3406116				



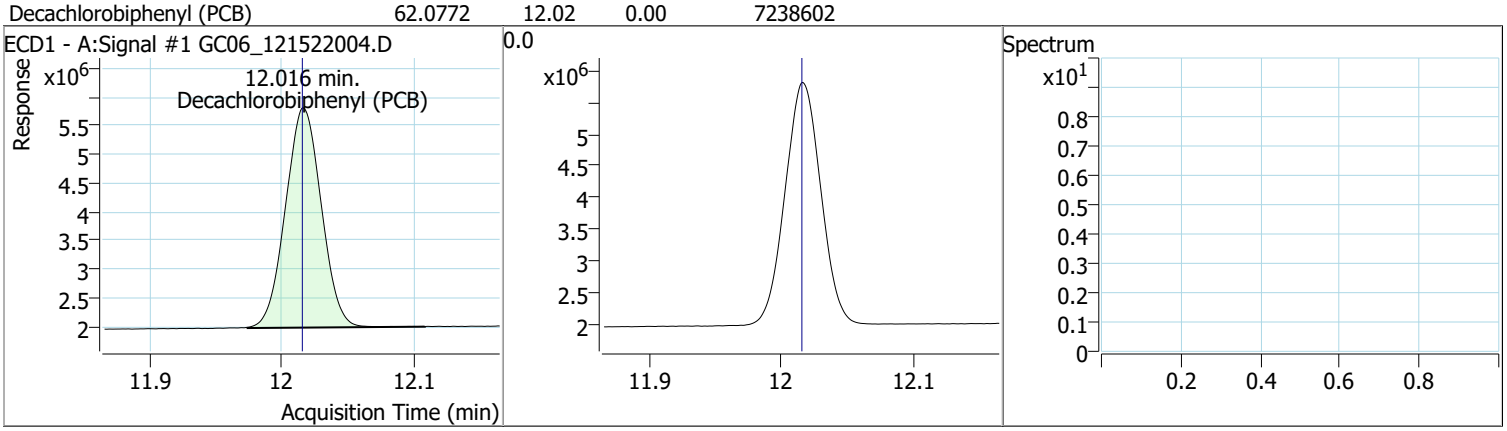
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	475.2971	11.08	0.00	10003522				



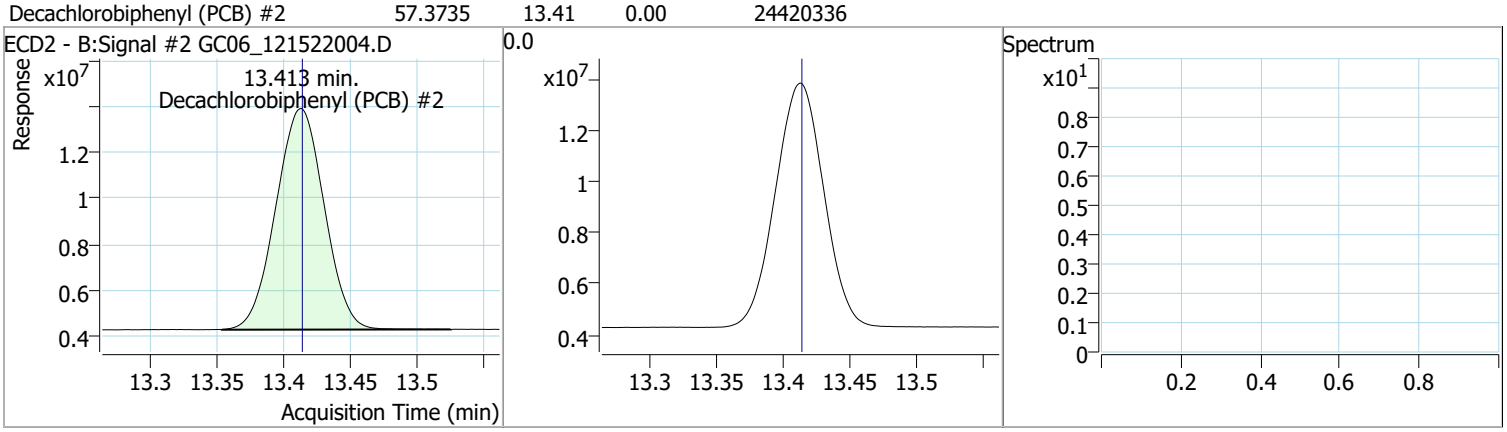
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	666.9155	11.34	0.00	20812306				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	62.0772	12.02	0.00	7238602				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	57.3735	13.41	0.00	24420336				



Enthalpy Analytical
931 West Barkley Ave
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(714) 771-6900

enthalpy.com

Lab Job Number: 474713
Report Level: IV
Report Date: 12/16/2022

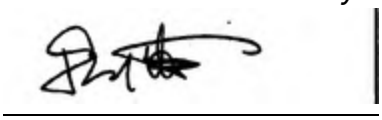
PCBs

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



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This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	474713
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	12/09/22

Sample ID	Lab ID	Collected	Matrix
ARCH-C5W-EXT-1 TO 2-221209-P-WF	474713-001	12/09/22 12:30	Wipe
ARCH-C3W-DG-1.5 TO 2-DN-C3W-DG-221209-P-LA	474713-002	12/09/22 12:45	Wipe
ARCH-C5W-DG-2.5 TO 3-UP-C5.6-DG-221209-P-LA	474713-003	12/09/22 13:10	Wipe
ARCH-C5W-INT-4.5 TO 5.5-221209-P-WF	474713-004	12/09/22 13:50	Wipe
ARCH-C2W-DG-4 TO 4.5-UP-C2.7-DG-221209-P-LA	474713-005	12/09/22 13:30	Wipe

ENTHALPY ANALYTICAL

Case Narrative

PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 474713 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 12/09/22

This data package contains sample and QC results for five wipe samples, requested for the above referenced project on 12/12/22. See attached cooler receipt form for any sample receipt problems or discrepancies.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

477473

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	~~X (PCBs)~~ MK	5 Day:		3 Day:	
2 Day:		1 Day:	X	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 S = NaOH 6 = Other

Report: Level IV

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 3 Enclosure C/D

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	HOLD
1	ARCH-C5W-EXT-1 TO 2-221209-P- WF	12/9/2022	1230	WP	1		X	
2	ARCH-C3W-DG-1.5 TO 2-DN-C3W-DG-221209-P- LA	12/9/2022	1245	WP	1		X	
3	ARCH-C5W-DG-2.5 TO 3-UP-C5.6-DG-221209-P- LA	12/9/2022	1310	WP	1		X	
4	~~ARCH-C3W-DG-4 TO 4.5-221209-P-~~	~~12/9/2022~~		WP	1		X	
5	ARCH-C5W-INT-4.5 TO 5.5-221209-P- WF	12/9/2022	1350	WP	1		X	
6	ARCH-C2W-DG-4TO4.5-UP-	12/9/22	1330	WP	1		X	
7	C2.7-DG-221209-P-LA							
8								
9								
10								
11								
12								
13								
14								
15								

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon/Env Scientist	12/9/22 @ 1530
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	12/9/22 @ 15:30
2 Relinquished By:	Audrey Hudson	"	"	12/9/22 16:50
2 Received By:				12/9/22 16:50
3 Relinquished By:				12/9/22 17:24
3 Received By:				12/10/22 8:05

Cooler #8 5.6/2.2

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 474713 Client: Rincon

Date Received: 12.9.22 Project: _____

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 12.9.22 By (print) Jak Peterson (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☑ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☑ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____	added to samples _____	on/at	_____
☐ HCL lot# _____	added to samples _____	on/at	_____
☐ HNO3 lot# _____	added to samples _____	on/at	_____
☐ NaOH lot# _____	added to samples _____	on/at	_____

Section 6:

Explanations/Comments: _____

Date Logged in 12/9/22 **By (print)** USF for MP **(sign)** _____

Date Labeled 12/9/22 **By (print)** USF for JP **(sign)** _____

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 -NCTRA WP

Date Received: 12/10/22 Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler) :_____

Sample Temp (°C), One from each cooler: #1: 5.6 #2: _____ #3: _____ #4: _____

(Acceptonce range is < 6°C but not frozen (for Microbiology samples, acceptonce range is < 10°C but not frozen). It is acceptable for samples collected the some day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: TPX

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 2.2 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials:_____ Date/Time_____

☐ Email (email sent to/on):_____/_____

Project Manager's response:

Completed By: _____ Date: 12/10/22

Results & QC Summary

Enthalpy Analytical - Orange Analytical Report

Lab #: 474713 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C5W-EXT-1 TO 2-221209-P-WF **Batch#:** 303182 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474713-001 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

Diln Fac: 1.000 **Analyzed:** 12/15/22

474713-001 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474713-001 Surrogate	%REC	Limits
TCMX (PCB)	72	19-121
Decachlorobiphenyl (PCB)	74	19-121

Field ID: ARCH-C3W-DG-1.5 TO 2-DN-C3W-DG-221209-P-LA **Batch#:** 303182 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474713-002 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

Diln Fac: 1.000 **Analyzed:** 12/15/22

474713-002 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474713-002 Surrogate	%REC	Limits
TCMX (PCB)	59	19-121
Decachlorobiphenyl (PCB)	53	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 474713 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C5W-DG-2.5 TO 3-UP-C5.6-DG-221209-P-LA **Batch#:** 303182 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474713-003 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

Diln Fac: 1.000 **Analyzed:** 12/15/22

474713-003 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474713-003 Surrogate	%REC	Limits
TCMX (PCB)	58	19-121
Decachlorobiphenyl (PCB)	62	19-121

Field ID: ARCH-C5W-INT-4.5 TO 5.5-221209-P-WF **Batch#:** 303182 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474713-004 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

Diln Fac: 1.000 **Analyzed:** 12/15/22

474713-004 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474713-004 Surrogate	%REC	Limits
TCMX (PCB)	51	19-121
Decachlorobiphenyl (PCB)	52	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 474713 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2W-DG-4 TO 4.5-UP-C2.7-DG-221209-P-LA **Batch#:** 303182 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474713-005 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

Diln Fac: 1.000 **Analyzed:** 12/15/22

474713-005 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474713-005 Surrogate	%REC	Limits
TCMX (PCB)	69	19-121
Decachlorobiphenyl (PCB)	70	19-121

Type: BLANK **Batch#:** 303182 **Analysis:** EPA 8082

Lab ID: QC1031899 **Prepared:** 12/14/22 **Analyst:** MES

Matrix: Wipe **Analyzed:** 12/15/22

Diln Fac: 1.000 **Prep:** EPA 3546

QC1031899 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1031899 Surrogate	%REC	Limits
TCMX (PCB)	81	19-121
Decachlorobiphenyl (PCB)	68	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 474713 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 303182 **Analysis:** EPA 8082

Lab ID: QC1031900 **Prepared:** 12/14/22 **Analyst:** MES

Matrix: Wipe **Analyzed:** 12/15/22

Diln Fac: 1.000 **Prep:** EPA 3546

QC1031900 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.910	78	60-140	ug/100 cm2
Aroclor-1260	5.000	3.780	76	60-140	ug/100 cm2

QC1031900 Surrogate	%REC	Limits
TCMX (PCB)	74	19-121
Decachlorobiphenyl (PCB)	63	19-121

Type: BSD **Batch#:** 303182 **Analysis:** EPA 8082

Lab ID: QC1031901 **Prepared:** 12/14/22 **Analyst:** MES

Matrix: Wipe **Analyzed:** 12/15/22

Diln Fac: 1.000 **Prep:** EPA 3546

QC1031901 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.672	93	60-140	ug/100 cm2	18	20
Aroclor-1260	5.000	4.468	89	60-140	ug/100 cm2	17	20

QC1031901 Surrogate	%REC	Limits
TCMX (PCB)	91	19-121
Decachlorobiphenyl (PCB)	79	19-121

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 474713 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_102422014	452428510014		24-OCT-2022 17:26	S17263
L2	gc06_102422015	452428510015		24-OCT-2022 17:44	S17264
L3	gc06_102422016	452428510016		24-OCT-2022 18:02	S17265
L4	gc06_102422017	452428510017		24-OCT-2022 18:20	S17266
L5	gc06_102422018	452428510018		24-OCT-2022 18:38	S17267
L6	gc06_102422019	452428510019		24-OCT-2022 18:55	S17268
L7	gc06_102422020	452428510020		24-OCT-2022 19:13	S17269
L8	gc06_102422021	452428510021		24-OCT-2022 19:31	S17270
L9	gc06_102422022	452428510022		24-OCT-2022 19:49	S17271

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		47.6898		0.0210		15	9	.99	20	
Aroclor-1016 Peak # 2	A	LINR	-15.389	23.9841		0.0490	0.997		7	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		18.8095		0.0532		15	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		24.7311		0.0404		14	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		30.7045		0.0326		15	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		14.7882		0.0676		18	8	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		9.70243		0.1031		17	8	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		9.28268		0.1077		17	8	.99	20	
Aroclor-1260 Peak # 4	A	LINR	-15.439	17.5746		0.0643	0.998		7	.99	20	
Aroclor-1260 Peak # 5	A	LINR	-18.106	8.33830		0.1368	0.999		8	.99	20	
Decachlorobiphenyl (PCB)	A	LINR	-4.3231	0.82496		1.4080	0.999		6	.99	20	
TCMX (PCB)	A	AVRG		1.03996		0.9616		13	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		48.1076		0.0208		13	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		33.3260		0.0300		14	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		18.3412		0.0545		16	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		25.6912		0.0389		12	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		31.6065		0.0316		13	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		16.8009		0.0595		14	8	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		13.9830		0.0715		15	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		11.0470		0.0905		16	8	.99	20	
Aroclor-1260 Peak # 4	B	LINR	-23.653	20.1271		0.0597	0.996		7	.99	20	
Aroclor-1260 Peak # 5	B	LINR	-18.665	13.2930		0.0873	0.999		8	.99	20	
Decachlorobiphenyl (PCB)	B	LINR	-2.1138	0.98301		1.2084	0.999		8	.99	20	
TCMX (PCB)	B	AVRG		1.04112		0.9605		10	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor
LINR: Linear regression

ENTHALPY INITIAL CALIBRATION FOR 474713 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0275	0.0229	0.0229	0.0213	0.0183	0.0203	0.0197	0.0189	0.0170
Aroclor-1016 Peak # 2	A	0.0705	0.0493	0.0498	0.0471	0.0402	0.0443	0.0419		
Aroclor-1016 Peak # 3	A	0.0694	0.0572	0.0577	0.0553	0.0469	0.0521	0.0499	0.0477	0.0422
Aroclor-1016 Peak # 4	A	0.0506	0.0443	0.0443	0.0420	0.0361	0.0399	0.0381	0.0367	0.0320
Aroclor-1016 Peak # 5	A	0.0417	0.0355	0.0355	0.0335	0.0292	0.0321	0.0306	0.0296	0.0253
Aroclor-1260 Peak # 1	A	0.0937	0.0726	0.0712	0.0675	0.0578	0.0620	0.0600	0.0564	
Aroclor-1260 Peak # 2	A	0.1377	0.1100	0.1119	0.1048	0.0901	0.0941	0.0896	0.0864	
Aroclor-1260 Peak # 3	A	0.1494	0.1089	0.1140	0.1083	0.0928	0.0997	0.0955	0.0931	
Aroclor-1260 Peak # 4	A	0.0776	0.0657	0.0680	0.0657	0.0561	0.0598	0.0571		
Aroclor-1260 Peak # 5	A	0.1719	0.1443	0.1523	0.1392	0.1178	0.1263	0.1212	0.1213	
Decachlorobiphenyl (PCB)	A			1.7517	1.5276	1.3136	1.3325	1.2692	1.2537	
TCMX (PCB)	A	1.2724	0.9655	0.9830	0.9621	0.8303	0.9420	0.9219	0.9218	0.8552
Aroclor-1016 Peak # 1	B	0.0258	0.0224	0.0221	0.0217	0.0189	0.0208	0.0199	0.0188	0.0168
Aroclor-1016 Peak # 2	B	0.0369	0.0328	0.0337	0.0319	0.0262	0.0293	0.0282	0.0270	0.0241
Aroclor-1016 Peak # 3	B	0.0731	0.0591	0.0595	0.0548	0.0476	0.0526	0.0506	0.0504	0.0429
Aroclor-1016 Peak # 4	B	0.0470	0.0426	0.0424	0.0410	0.0348	0.0383	0.0370	0.0362	0.0311
Aroclor-1016 Peak # 5	B	0.0389	0.0336	0.0345	0.0334	0.0285	0.0314	0.0302	0.0296	0.0248
Aroclor-1260 Peak # 1	B	0.0741	0.0638	0.0673	0.0608	0.0510	0.0551	0.0527	0.0514	
Aroclor-1260 Peak # 2	B	0.0910	0.0798	0.0790	0.0726	0.0608	0.0651	0.0625	0.0613	
Aroclor-1260 Peak # 3	B	0.1187	0.0977	0.0986	0.0907	0.0769	0.0826	0.0797	0.0793	
Aroclor-1260 Peak # 4	B	0.0785	0.0629	0.0647	0.0583	0.0503	0.0539	0.0496		
Aroclor-1260 Peak # 5	B	0.1184	0.0925	0.0953	0.0868	0.0743	0.0790	0.0760	0.0762	
Decachlorobiphenyl (PCB)	B	1.6271	1.2663	1.3495	1.2170	1.0610	1.0826	1.0310	1.0324	
TCMX (PCB)	B	1.1603	0.9978	0.9817	0.9671	0.8301	0.9599	0.9328	0.9461	0.8687

ENTHALPY INITIAL CALIBRATION FOR 474713 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	**31**	50.000	9	100.00	9	250.00	1	500.00	-13	749.91	-3	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 2	A	20.000	-8	50.000	-12	100.00	4	250.00	7	500.00	-7	749.91	4	1000.0	-1		
Aroclor-1016 Peak # 3	A	20.000	**31**	50.000	8	100.00	9	250.00	4	500.00	-12	749.91	-2	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 4	A	20.000	**25**	50.000	10	100.00	10	250.00	4	500.00	-11	749.91	-1	1000.0	-6	1500.0	-9
Aroclor-1016 Peak # 5	A	20.000	**28**	50.000	9	100.00	9	250.00	3	500.00	-10	749.91	-1	1000.0	-6	1500.0	-9
Aroclor-1260 Peak # 1	A	20.000	**38**	50.000	7	100.00	5	250.00	0	500.00	-15	749.91	-8	1000.0	-11	1500.0	-17
Aroclor-1260 Peak # 2	A	20.000	**34**	50.000	7	100.00	9	250.00	2	500.00	-13	749.91	-9	1000.0	-13	1500.0	-16
Aroclor-1260 Peak # 3	A	20.000	**39**	50.000	1	100.00	6	250.00	1	500.00	-14	749.91	-7	1000.0	-11	1500.0	-14
Aroclor-1260 Peak # 4	A	20.000	**-41**	50.000	-15	100.00	4	250.00	9	500.00	-4	749.91	3	1000.0	-1		
Aroclor-1260 Peak # 5	A	20.000	**-47**	50.000	-16	100.00	9	250.00	9	500.00	-5	749.91	3	1000.0	-1	1500.0	0
Decachlorobiphenyl (PCB)	A					8.0000	-10	20.000	4	40.000	-2	59.993	3	80.000	-1	120.00	0
TCMX (PCB)	A	1.6000	**32**	4.0000	0	8.0000	2	20.000	0	40.000	-14	59.993	-2	80.000	-4	120.00	-4
Aroclor-1016 Peak # 1	B	20.000	**24**	50.000	8	100.00	6	250.00	4	500.00	-9	749.91	0	1000.0	-4	1500.0	-10
Aroclor-1016 Peak # 2	B	20.000	**23**	50.000	9	100.00	12	250.00	6	500.00	-13	749.91	-2	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 3	B	20.000	**34**	50.000	8	100.00	9	250.00	1	500.00	-13	749.91	-4	1000.0	-7	1500.0	-8
Aroclor-1016 Peak # 4	B	20.000	**21**	50.000	9	100.00	9	250.00	5	500.00	-11	749.91	-2	1000.0	-5	1500.0	-7
Aroclor-1016 Peak # 5	B	20.000	**23**	50.000	6	100.00	9	250.00	5	500.00	-10	749.91	-1	1000.0	-5	1500.0	-6
Aroclor-1260 Peak # 1	B	20.000	**24**	50.000	7	100.00	13	250.00	2	500.00	-14	749.91	-7	1000.0	-11	1500.0	-14
Aroclor-1260 Peak # 2	B	20.000	**27**	50.000	12	100.00	11	250.00	2	500.00	-15	749.91	-9	1000.0	-13	1500.0	-14
Aroclor-1260 Peak # 3	B	20.000	**31**	50.000	8	100.00	9	250.00	0	500.00	-15	749.91	-9	1000.0	-12	1500.0	-12
Aroclor-1260 Peak # 4	B	20.000	**-60**	50.000	**-21**	100.00	7	250.00	8	500.00	-4	749.91	5	1000.0	-3		
Aroclor-1260 Peak # 5	B	20.000	**-36**	50.000	-14	100.00	8	250.00	8	500.00	-5	749.91	3	1000.0	-1	1500.0	0
Decachlorobiphenyl (PCB)	B	1.6000	**-72**	4.0000	**-28**	8.0000	6	20.000	9	40.000	-1	59.993	3	80.000	-1	120.00	0
TCMX (PCB)	B	1.6000	**21**	4.0000	4	8.0000	2	20.000	1	40.000	-14	59.993	0	80.000	-3	120.00	-1

ENTHALPY INITIAL CALIBRATION FOR 474713 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-19
Aroclor-1016 Peak # 2	A		
Aroclor-1016 Peak # 3	A	2000.0	**-21**
Aroclor-1016 Peak # 4	A	2000.0	**-21**
Aroclor-1016 Peak # 5	A	2000.0	**-22**
Aroclor-1260 Peak # 1	A		
Aroclor-1260 Peak # 2	A		
Aroclor-1260 Peak # 3	A		
Aroclor-1260 Peak # 4	A		
Aroclor-1260 Peak # 5	A		
Decachlorobiphenyl (PCB)	A		
TCMX (PCB)	A	160.00	-11
Aroclor-1016 Peak # 1	B	2000.0	-19
Aroclor-1016 Peak # 2	B	2000.0	-20
Aroclor-1016 Peak # 3	B	2000.0	**-21**
Aroclor-1016 Peak # 4	B	2000.0	-20
Aroclor-1016 Peak # 5	B	2000.0	**-22**
Aroclor-1260 Peak # 1	B		
Aroclor-1260 Peak # 2	B		
Aroclor-1260 Peak # 3	B		
Aroclor-1260 Peak # 4	B		
Aroclor-1260 Peak # 5	B		
Decachlorobiphenyl (PCB)	B		
TCMX (PCB)	B	160.00	-10

TRN 10/26/22 : Manually integrated for coeluting peak/draw baseline on both channel for multiple channels

Analyst: TRN 10/26/22

Reviewer: LW 10/27/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 474713 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_102422_1
Calnum:	452428510002	Cal Date:	24-OCT-2022

- ICV 452428510024 (gc06_102422024 24-OCT-2022) stds: S17274

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	486.9	ug/L	-3	15	
Aroclor-1260	A	500.0	451.5	ug/L	-10	15	
Aroclor-1016	B	500.0	481.3	ug/L	-4	15	
Aroclor-1260	B	500.0	455.3	ug/L	-9	15	

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Analyst: TRN 10/26/22 **Reviewer:** LW 10/27/22

ENTHALPY CONTINUING CALIBRATION FOR 474713 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452501809036	File:	gc06_121422036	Time:	14-DEC-2022 22:46
Cal:	452428510002	Caldate:	24-OCT-2022		

Standards: S17386

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	455.9	ug/L	-9	15	0.0000	
Aroclor-1260	A			500.0	410.5	ug/L	**-18**	15	0.0000	c- ***
Decachlorobiphenyl (PCB)	A	1.4080	1.6604	40.00	50.47	ug/L	**26**	15	0.0000	c+
TCMX (PCB)	A	0.9616	0.9149	40.00	38.06	ug/L	-5	15	0.0000	
Aroclor-1016	B			500.0	454.3	ug/L	-9	15	0.0000	
Aroclor-1260	B			500.0	453.4	ug/L	-9	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2084	1.2913	40.00	48.66	ug/L	**22**	15	0.0000	c+
TCMX (PCB)	B	0.9605	0.9121	40.00	37.98	ug/L	-5	15	0.0000	

ISTD (ICAL gc06_102422015)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4414084	5560467	25.97
1-bromo-2-nitrobenzene (PCB)	A	1096423	1170615	6.77

MES 12/15/22 [Aroclor-1016 B]: Separated from coeluting peak for Ch. B.

+=high bias -=low bias c=CCV

Analyst: MES 12/15/22 **Reviewer:** LW 12/15/22

Enthalpy Internal Standard Summary for Sequence 452501809

Date:	12/14/22	Reference:	gc06_102422015
Sequence:	SVOA-GC06 gc06_121422	Analyzed:	10/24/22 17:44

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	4414084	1096423
		LOWER LIMIT	2207042	548212
		UPPER LIMIT	8828169	2192847
004	CCV		5307613	1103956
036	CCV		5560467	1170615

Enthalpy Internal Standard Summary for Sequence 452501809

Date:	12/14/22	Reference:	gc06_121422036
Sequence:	SVOA-GC06 gc06_121422	Analyzed:	12/14/22 22:46

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	5560467	1170615
		LOWER LIMIT	2780233	585307
		UPPER LIMIT	11120933	2341230
041	BLANK	QC1031899	6052909	1261934
042	BS	QC1031900	5715755	1210075
043	BSD	QC1031901	5420568	1156450
044	SAMPLE	474711-001	6371921	1310863
045	SAMPLE	474711-003	5701105	1225491
046	SAMPLE	474711-005	5891478	1263286
047	SAMPLE	474711-007	5882410	1265648
048	SAMPLE	474711-009	5600536	1206934
049	SAMPLE	474711-011	6045118	1202825
050	SAMPLE	474711-013	6237575	1253575
051	SAMPLE	474711-015	5681632	1227329
052	SAMPLE	474711-017	5486215	1197877
053	SAMPLE	474711-019	5492454	1204952
054	SAMPLE	474713-001	5050902	1108615
055	SAMPLE	474713-002	5737261	1255961
056	SAMPLE	474713-003	5233756	1088269
057	SAMPLE	474713-004	5875509	1195568
058	SAMPLE	474713-005	5775454	1159149
059	SAMPLE	474716-005	5628942	1252209
060	SAMPLE	474716-007	5081189	1124191
061	SAMPLE	474716-009	5068241	1129951
062	SAMPLE	474716-011	5497910	1225742
063	SAMPLE	474716-013	5360574	1211417

Enthalpy Internal Standard Summary for Sequence 452501809

Date:	12/14/22	Reference:	gc06_121422036
Sequence:	SVOA-GC06 gc06_121422	Analyzed:	12/14/22 22:46

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.52	4.28
		LOWER LIMIT	4.32	4.08
		UPPER LIMIT	4.72	4.48
041	BLANK	QC1031899	4.52	4.28
042	BS	QC1031900	4.52	4.28
043	BSD	QC1031901	4.52	4.28
044	SAMPLE	474711-001	4.52	4.28
045	SAMPLE	474711-003	4.52	4.28
046	SAMPLE	474711-005	4.52	4.28
047	SAMPLE	474711-007	4.52	4.28
048	SAMPLE	474711-009	4.52	4.28
049	SAMPLE	474711-011	4.52	4.28
050	SAMPLE	474711-013	4.52	4.28
051	SAMPLE	474711-015	4.52	4.28
052	SAMPLE	474711-017	4.52	4.28
053	SAMPLE	474711-019	4.52	4.28
054	SAMPLE	474713-001	4.52	4.28
055	SAMPLE	474713-002	4.52	4.28
056	SAMPLE	474713-003	4.52	4.28
057	SAMPLE	474713-004	4.52	4.28
058	SAMPLE	474713-005	4.52	4.28
059	SAMPLE	474716-005	4.52	4.28
060	SAMPLE	474716-007	4.52	4.28
061	SAMPLE	474716-009	4.52	4.28
062	SAMPLE	474716-011	4.52	4.28
063	SAMPLE	474716-013	4.52	4.28

Enthalpy Sequence Summary for Sequence 452428510

Instrument: SVOA-GC06 Begun: 10/24/22 13:50

Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
002	gc06_102422002	PEM				10/24/22 13:50	1.0	
003	gc06_102422003	ICAL				10/24/22 14:08	1.0	1
004	gc06_102422004	ICAL				10/24/22 14:26	1.0	2
005	gc06_102422005	ICAL				10/24/22 14:44	1.0	3
006	gc06_102422006	ICAL				10/24/22 15:02	1.0	4
007	gc06_102422007	ICAL				10/24/22 15:20	1.0	5
008	gc06_102422008	ICAL				10/24/22 15:38	1.0	6
009	gc06_102422009	ICAL				10/24/22 15:56	1.0	7
010	gc06_102422010	ICAL				10/24/22 16:14	1.0	8
012	gc06_102422012	ICV				10/24/22 16:50	1.0	9
014	gc06_102422014	ICAL				10/24/22 17:26	1.0	10
015	gc06_102422015	ICAL				10/24/22 17:44	1.0	11
016	gc06_102422016	ICAL				10/24/22 18:02	1.0	12
017	gc06_102422017	ICAL				10/24/22 18:20	1.0	13
018	gc06_102422018	ICAL				10/24/22 18:38	1.0	14
019	gc06_102422019	ICAL				10/24/22 18:55	1.0	15
020	gc06_102422020	ICAL				10/24/22 19:13	1.0	16
021	gc06_102422021	ICAL				10/24/22 19:31	1.0	17
022	gc06_102422022	ICAL				10/24/22 19:49	1.0	18
024	gc06_102422024	ICV				10/24/22 20:25	1.0	19

TRN 10/26/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 24.

Standards Used:

1=S17239 2=S17240 3=S17241 4=S17242 5=S17243 6=S17244 7=S17245 8=S17246 9=S17235 10=S17263 11=S17264 12=S17265 13=S17266 14=S17267 15=S17268 16=S17269 17=S17270 18=S17271 19=S17274

Enthalpy Sequence Summary for Sequence 452501809

Instrument: SVOA-GC06 Begun: 12/14/22 11:29

Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc06_121422002	PEM				12/14/22 11:29	1.0	1	
003	gc06_121422003	CCV				12/14/22 11:47	1.0	2	ac
004	gc06_121422004	CCV				12/14/22 12:05	1.0	3	
012	gc06_121422012	BLANK	QC1031896	Wipe	303181	12/14/22 15:26	1.0	4	
013	gc06_121422013	BS	QC1031897	Wipe	303181	12/14/22 15:44	1.0	4	
014	gc06_121422014	BSD	QC1031898	Wipe	303181	12/14/22 16:03	1.0	4	
015	gc06_121422015	SAMPLE	474711-002	Wipe	303181	12/14/22 16:21	1.0	4	
016	gc06_121422016	SAMPLE	474711-004	Wipe	303181	12/14/22 16:39	1.0	4	
017	gc06_121422017	SAMPLE	474711-006	Wipe	303181	12/14/22 16:58	1.0	4	
018	gc06_121422018	SAMPLE	474711-008	Wipe	303181	12/14/22 17:16	1.0	4	
019	gc06_121422019	SAMPLE	474711-010	Wipe	303181	12/14/22 17:34	1.0	4	
020	gc06_121422020	SAMPLE	474711-012	Wipe	303181	12/14/22 17:53	1.0	4	
021	gc06_121422021	SAMPLE	474711-014	Wipe	303181	12/14/22 18:11	1.0	4	
022	gc06_121422022	SAMPLE	474711-016	Wipe	303181	12/14/22 18:29	1.0	4	
023	gc06_121422023	SAMPLE	474711-018	Wipe	303181	12/14/22 18:47	1.0	4	
024	gc06_121422024	SAMPLE	474711-020	Wipe	303181	12/14/22 19:06	1.0	4	
025	gc06_121422025	SAMPLE	474716-001	Wipe	303181	12/14/22 19:24	1.0	4	
026	gc06_121422026	SAMPLE	474716-002	Wipe	303181	12/14/22 19:42	1.0	4	
027	gc06_121422027	SAMPLE	474716-003	Wipe	303181	12/14/22 20:01	1.0	4	
028	gc06_121422028	SAMPLE	474716-004	Wipe	303181	12/14/22 20:19	1.0	4	
029	gc06_121422029	SAMPLE	474716-006	Wipe	303181	12/14/22 20:37	1.0	4	
030	gc06_121422030	SAMPLE	474716-008	Wipe	303181	12/14/22 20:56	1.0	4	
031	gc06_121422031	SAMPLE	474716-010	Wipe	303181	12/14/22 21:14	1.0	4	
032	gc06_121422032	SAMPLE	474716-012	Wipe	303181	12/14/22 21:32	1.0	4	
033	gc06_121422033	SAMPLE	474716-014	Wipe	303181	12/14/22 21:51	1.0	4	
034	gc06_121422034	SAMPLE	474716-015	Wipe	303181	12/14/22 22:09	1.0	4	
036	gc06_121422036	CCV				12/14/22 22:46	1.0	3	
041	gc06_121422041	BLANK	QC1031899	Wipe	303182	12/15/22 00:18	1.0	4	
042	gc06_121422042	BS	QC1031900	Wipe	303182	12/15/22 00:36	1.0	4	
043	gc06_121422043	BSD	QC1031901	Wipe	303182	12/15/22 00:54	1.0	4	
044	gc06_121422044	SAMPLE	474711-001	Wipe	303182	12/15/22 01:13	1.0	4	
045	gc06_121422045	SAMPLE	474711-003	Wipe	303182	12/15/22 01:31	1.0	4	
046	gc06_121422046	SAMPLE	474711-005	Wipe	303182	12/15/22 01:49	1.0	4	
047	gc06_121422047	SAMPLE	474711-007	Wipe	303182	12/15/22 02:08	1.0	4	
048	gc06_121422048	SAMPLE	474711-009	Wipe	303182	12/15/22 02:26	1.0	4	
049	gc06_121422049	SAMPLE	474711-011	Wipe	303182	12/15/22 02:44	1.0	4	
050	gc06_121422050	SAMPLE	474711-013	Wipe	303182	12/15/22 03:03	1.0	4	
051	gc06_121422051	SAMPLE	474711-015	Wipe	303182	12/15/22 03:21	1.0	4	
052	gc06_121422052	SAMPLE	474711-017	Wipe	303182	12/15/22 03:39	1.0	4	
053	gc06_121422053	SAMPLE	474711-019	Wipe	303182	12/15/22 03:58	1.0	4	
054	gc06_121422054	SAMPLE	474713-001	Wipe	303182	12/15/22 04:16	1.0	4	
055	gc06_121422055	SAMPLE	474713-002	Wipe	303182	12/15/22 04:34	1.0	4	
056	gc06_121422056	SAMPLE	474713-003	Wipe	303182	12/15/22 04:53	1.0	4	
057	gc06_121422057	SAMPLE	474713-004	Wipe	303182	12/15/22 05:11	1.0	4	
058	gc06_121422058	SAMPLE	474713-005	Wipe	303182	12/15/22 05:29	1.0	4	
059	gc06_121422059	SAMPLE	474716-005	Wipe	303182	12/15/22 05:48	1.0	4	
060	gc06_121422060	SAMPLE	474716-007	Wipe	303182	12/15/22 06:06	1.0	4	
061	gc06_121422061	SAMPLE	474716-009	Wipe	303182	12/15/22 06:24	1.0	4	
062	gc06_121422062	SAMPLE	474716-011	Wipe	303182	12/15/22 06:43	1.0	4	
063	gc06_121422063	SAMPLE	474716-013	Wipe	303182	12/15/22 07:01	1.0	4	

Enthalpy Sequence Summary for Sequence 452501809

Instrument:	SVOA-GC06	Begun:	12/14/22 11:29
Method:	EPA 8081A, EPA 8082		

MES 12/15/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 63.

ac=average CCV drift out

Standards Used:
1=S17384 2=S17385 3=S17386 4=S17010

SAMPLE PREPARATION SUMMARY

Batch # : 303182
Started By : EPL
Prep Date : 14-DEC-2022 12:56
Method : 3546
Spike #1 ID : S17708
Spike #2 ID : S17644
Analysis : 8080
Finished By : EPL
Units : dm2

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
474711-001		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474711-003		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474711-005		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474711-007		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474711-009		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474711-011		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474711-013		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474711-015		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474711-017		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474711-019		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474713-001		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474713-002		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474713-003		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474713-004		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474713-005		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474716-005		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474716-007		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474716-009		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474716-011		Wipe	1.1854	10	1	8.436		.5				PCB-MICROWAVE	
474716-013		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
QC1031899	BLANK	Wipe	1	10	1	10.0		.5				8080	
QC1031900	BS	Wipe	1	10	1	10.0		.5	.5			8080	
QC1031901	BSD	Wipe	1	10	1	10.0		.5	.5			8080	

TRN 12/15/22 : BS/D verify the batch

Analyst: TRN Date: 12/15/22 Reviewer: LW Date: 12/15/22

8081/8082/608.3 Prep Log

Date/Time: 12/14/22 12:56 Initials: EPL

Microdipenser ID: SYRINGE Therm ID/CF: ____/____ Hotblock Temp (°C): N/A

Prep Method: 3546 Matrix: WIPES Balance ID: N/A

608.3 QC Batch#: ____

8081 QC Batch #: ____

8082 QC Batch #: 303182

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Comment
Blank		1 dm²	N/A	Eq#14 SM102 -1	TV09	10.0		
LCS		↓	↓	-2	↓	↓		
LCSD				-3				
474713-001	A			-4				
-002	A			-5				
-003	A			-6	↓			
-004	A			-7	TV08			
-005	A			-8				
474711-001	A			-9				
-003	A			-10				
-005	A			-11				
-007	A			-12	↓			
-009	A			-13	TV09			
-011	A			-14				
-013	A			-15				
-015	A			-16				
-017	A			-17				
-019	A			-18	↓			
474716-005	A			-19	TV07			
-007	A			-20				
-009	A	↓		-21				
-011	A	1.1854		-22				
-013	A	1 dm²	↓	-23	↓	↓		

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: S17570

Acetone-Hexane Mix ID: ____

Sodium Sulfate Lot: 215528

Baked Sand Lot: N/A

Surrogate ID: S17708 Volume: 500

Pest LCS Spike ID: N/A Volume: N/A

PCB LCS Spike ID: S17644 Volume: 500

Pest MS/MSD Spike ID: N/A Volume: N/A

PCB MS/MSD Spike ID: N/A Volume: N/A

REPORTING SUMMARY FOR 474713 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
474713-001	Aroclor-1016	SVOA-GC06	B	12/15/22 04:16
474713-001	Aroclor-1221	SVOA-GC06	B	12/15/22 04:16
474713-001	Aroclor-1232	SVOA-GC06	B	12/15/22 04:16
474713-001	Aroclor-1242	SVOA-GC06	B	12/15/22 04:16
474713-001	Aroclor-1248	SVOA-GC06	B	12/15/22 04:16
474713-001	Aroclor-1254	SVOA-GC06	B	12/15/22 04:16
474713-001	Aroclor-1260	SVOA-GC06	B	12/15/22 04:16
474713-001	Aroclor-1262	SVOA-GC06	B	12/15/22 04:16
474713-001	Aroclor-1268	SVOA-GC06	B	12/15/22 04:16
474713-001	TCMX (PCB)	SVOA-GC06	B	12/15/22 04:16
474713-001	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 04:16
474713-002	Aroclor-1016	SVOA-GC06	B	12/15/22 04:34
474713-002	Aroclor-1221	SVOA-GC06	B	12/15/22 04:34
474713-002	Aroclor-1232	SVOA-GC06	B	12/15/22 04:34
474713-002	Aroclor-1242	SVOA-GC06	B	12/15/22 04:34
474713-002	Aroclor-1248	SVOA-GC06	B	12/15/22 04:34
474713-002	Aroclor-1254	SVOA-GC06	B	12/15/22 04:34
474713-002	Aroclor-1260	SVOA-GC06	B	12/15/22 04:34
474713-002	Aroclor-1262	SVOA-GC06	B	12/15/22 04:34
474713-002	Aroclor-1268	SVOA-GC06	B	12/15/22 04:34
474713-002	TCMX (PCB)	SVOA-GC06	B	12/15/22 04:34
474713-002	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 04:34
474713-003	Aroclor-1016	SVOA-GC06	B	12/15/22 04:53
474713-003	Aroclor-1221	SVOA-GC06	B	12/15/22 04:53
474713-003	Aroclor-1232	SVOA-GC06	B	12/15/22 04:53
474713-003	Aroclor-1242	SVOA-GC06	B	12/15/22 04:53
474713-003	Aroclor-1248	SVOA-GC06	B	12/15/22 04:53
474713-003	Aroclor-1254	SVOA-GC06	B	12/15/22 04:53
474713-003	Aroclor-1260	SVOA-GC06	B	12/15/22 04:53
474713-003	Aroclor-1262	SVOA-GC06	B	12/15/22 04:53
474713-003	Aroclor-1268	SVOA-GC06	B	12/15/22 04:53
474713-003	TCMX (PCB)	SVOA-GC06	B	12/15/22 04:53
474713-003	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 04:53
474713-004	Aroclor-1016	SVOA-GC06	B	12/15/22 05:11
474713-004	Aroclor-1221	SVOA-GC06	B	12/15/22 05:11
474713-004	Aroclor-1232	SVOA-GC06	B	12/15/22 05:11
474713-004	Aroclor-1242	SVOA-GC06	B	12/15/22 05:11
474713-004	Aroclor-1248	SVOA-GC06	B	12/15/22 05:11
474713-004	Aroclor-1254	SVOA-GC06	B	12/15/22 05:11
474713-004	Aroclor-1260	SVOA-GC06	B	12/15/22 05:11
474713-004	Aroclor-1262	SVOA-GC06	B	12/15/22 05:11
474713-004	Aroclor-1268	SVOA-GC06	B	12/15/22 05:11
474713-004	TCMX (PCB)	SVOA-GC06	B	12/15/22 05:11
474713-004	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 05:11
474713-005	Aroclor-1016	SVOA-GC06	B	12/15/22 05:29
474713-005	Aroclor-1221	SVOA-GC06	B	12/15/22 05:29
474713-005	Aroclor-1232	SVOA-GC06	B	12/15/22 05:29
474713-005	Aroclor-1242	SVOA-GC06	B	12/15/22 05:29
474713-005	Aroclor-1248	SVOA-GC06	B	12/15/22 05:29
474713-005	Aroclor-1254	SVOA-GC06	B	12/15/22 05:29

REPORTING SUMMARY FOR 474713 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
474713-005	Aroclor-1260	SVOA-GC06	B	12/15/22 05:29
474713-005	Aroclor-1262	SVOA-GC06	B	12/15/22 05:29
474713-005	Aroclor-1268	SVOA-GC06	B	12/15/22 05:29
474713-005	TCMX (PCB)	SVOA-GC06	B	12/15/22 05:29
474713-005	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 05:29
QC1031899	Aroclor-1016	SVOA-GC06	B	12/15/22 00:18
QC1031899	Aroclor-1221	SVOA-GC06	B	12/15/22 00:18
QC1031899	Aroclor-1232	SVOA-GC06	B	12/15/22 00:18
QC1031899	Aroclor-1242	SVOA-GC06	B	12/15/22 00:18
QC1031899	Aroclor-1248	SVOA-GC06	B	12/15/22 00:18
QC1031899	Aroclor-1254	SVOA-GC06	B	12/15/22 00:18
QC1031899	Aroclor-1260	SVOA-GC06	B	12/15/22 00:18
QC1031899	Aroclor-1262	SVOA-GC06	B	12/15/22 00:18
QC1031899	Aroclor-1268	SVOA-GC06	B	12/15/22 00:18
QC1031899	TCMX (PCB)	SVOA-GC06	B	12/15/22 00:18
QC1031899	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 00:18
QC1031900	Aroclor-1016	SVOA-GC06	B	12/15/22 00:36
QC1031900	Aroclor-1260	SVOA-GC06	B	12/15/22 00:36
QC1031900	TCMX (PCB)	SVOA-GC06	B	12/15/22 00:36
QC1031900	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 00:36
QC1031901	Aroclor-1016	SVOA-GC06	B	12/15/22 00:54
QC1031901	Aroclor-1260	SVOA-GC06	B	12/15/22 00:54
QC1031901	TCMX (PCB)	SVOA-GC06	B	12/15/22 00:54
QC1031901	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 00:54

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474713-001	Client ID:	ARCH-C5W-EXT-1 TO 2-221209-P-WF
Seqnum:	452501809054	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422054	Batch:	303182	Time:	15-DEC-2022 04:16
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	93.04	~~0.93~~ ~~FP~~	0.94	1%	0.50		x u
Aroclor-1016 Peak # 1	B	127.8	1.28	0.34	116%			
Aroclor-1016 Peak # 2	B	171.8	1.72	0.00	200%			
Aroclor-1016 Peak # 3	B	107.8	1.08	0.85	23%			
Aroclor-1016 Peak # 4	B	24.38	0.24	2.76	168%			
Aroclor-1016 Peak # 5	B	33.44	0.33	0.72	73%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	39.13	ND	0.59	40%	0.50		u
Aroclor-1260 Peak # 1	B	99.37	0.99	1.24	22%			
Aroclor-1260 Peak # 2	B	51.48	0.51	0.00	198%			
Aroclor-1260 Peak # 3	B	10.37	0.10	0.25	84%			
Aroclor-1260 Peak # 4	B	-19.05	ND	1.21	275%			
Aroclor-1260 Peak # 5	B	53.45	0.53	0.23	79%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	35.86	0.5000	0.3586	72	19-121	u
Decachlorobiphenyl (PCB)	B	37.21	0.5000	0.3721	74	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422036)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5560467	5050902	-9.16
1-bromo-2-nitrobenzene (PCB)	A	1170615	1108615	-5.30

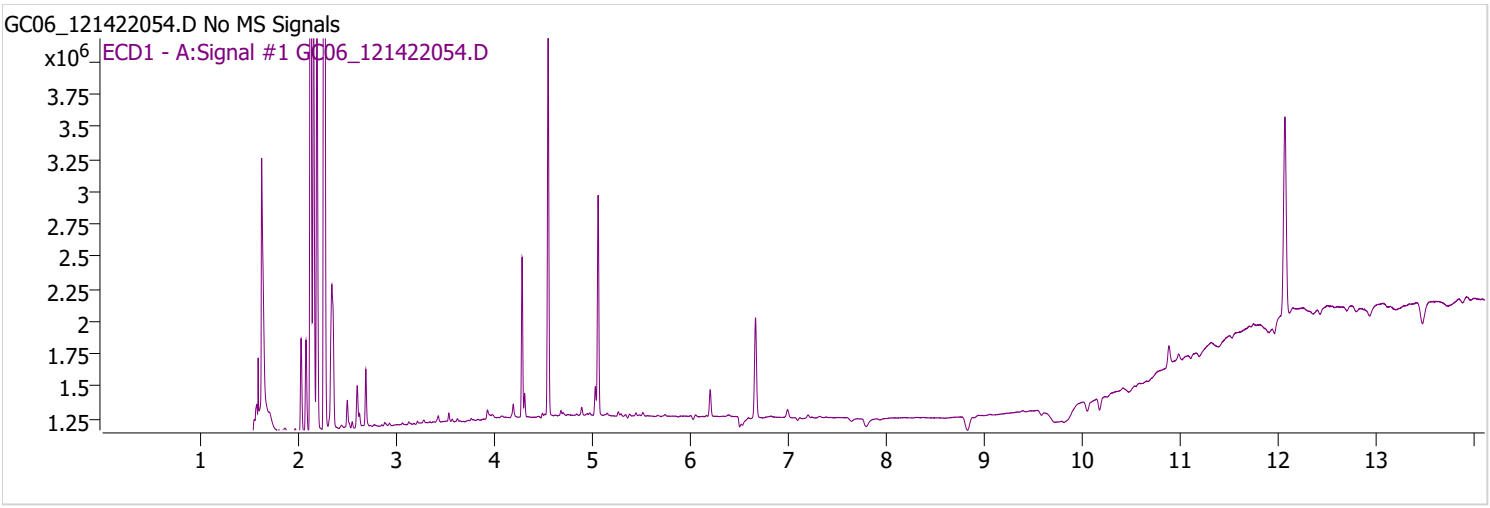
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

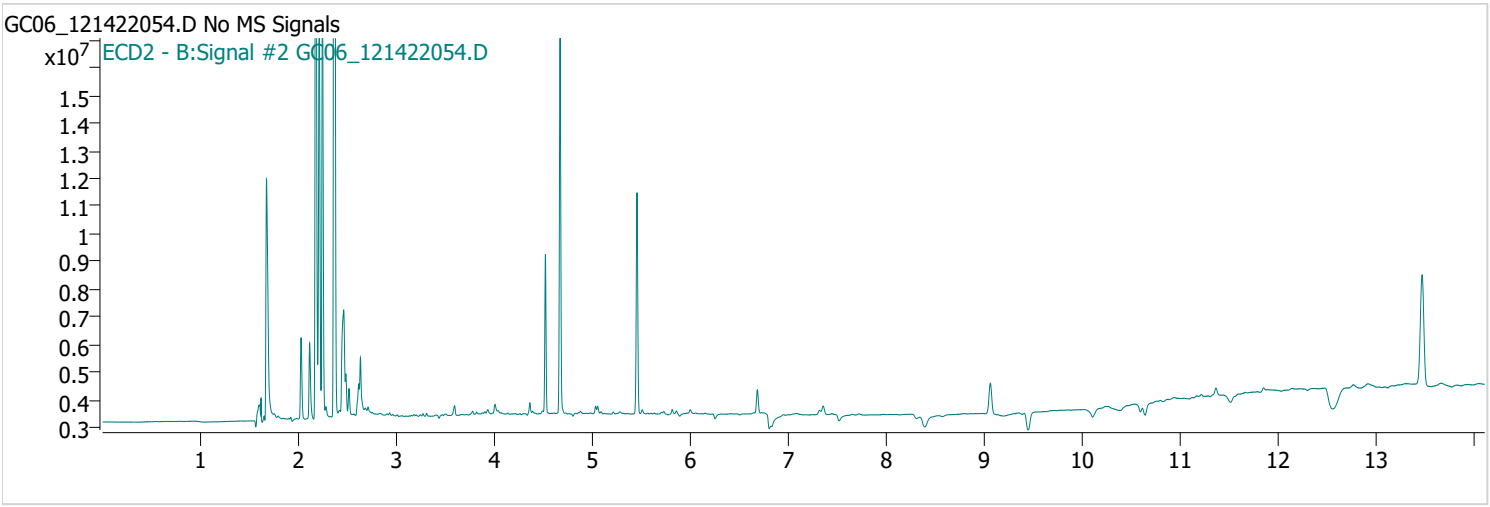
ISTD (CCV gc06_121422036)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

Analyst: MES 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422054.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 4:16:22 AM
Sample Name	474713-001, 303182, 1	Instrument	SVOA-GC06
Vial	37	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



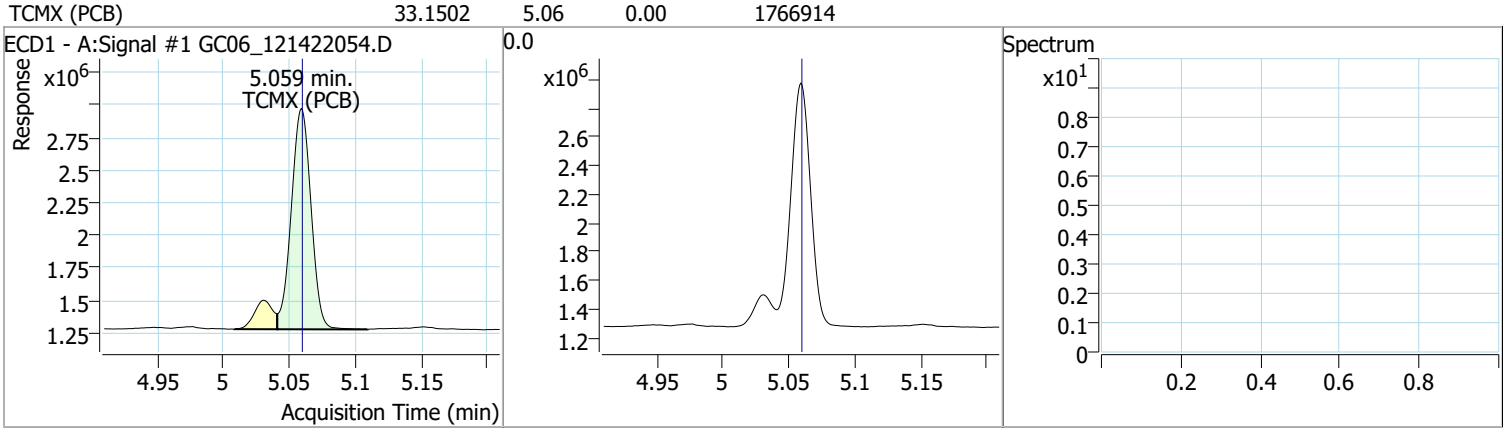


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.283	0.0	1108614.745	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.521	0.0	5050902.434	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB)	5.059	0.0	1766914.289	33.1502	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 165.75%		*	
S TCMX (PCB) #2	5.456	0.0	8699630.678	35.8648	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 179.32%		*	
S Decachlorobiphenyl (PCB)	12.072	0.0	3235338.856	43.8285	ng/ml		-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 219.14%		*	
S Decachlorobiphenyl (PCB) #2	13.472	0.0	10103835.441	37.2153	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 186.08%		*	
Target Compounds							QValue

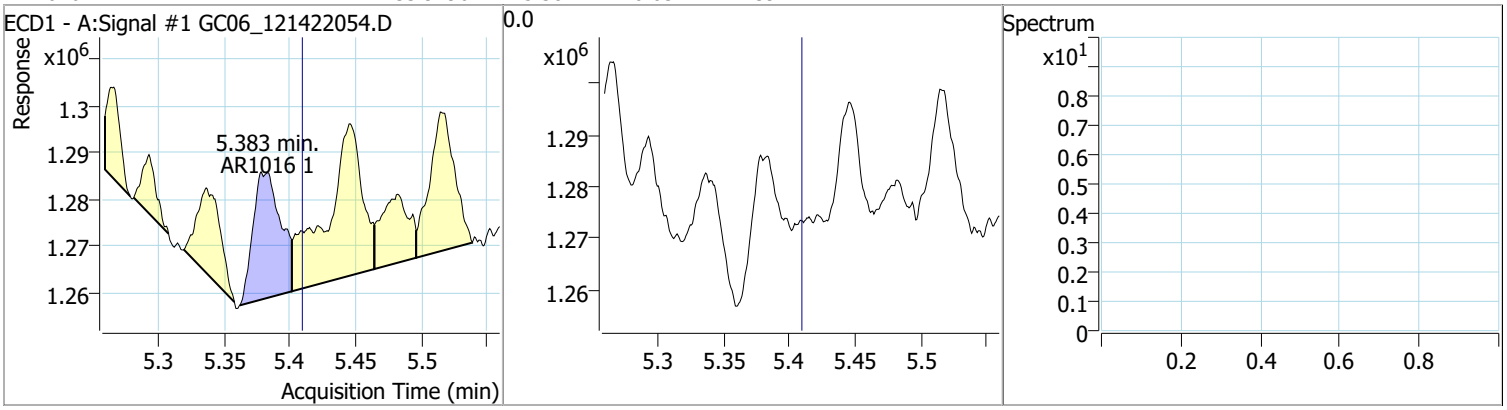
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.383	0.0	39424.114	33.9190	ng/ml	100
T AR1016 2	5.741	0.0	35712.321	0.0630	ng/ml	100
T AR1016 1 #2	5.999	0.0	671037.046	127.8285	ng/ml	100
T AR1016 3	6.203	0.0	251909.823	85.4827	ng/ml	100
T AR1016 4	6.387	0.0	618532.330	275.9697	ng/ml	100
T AR1016 2 #2	6.425	0.0	1301986.744	171.8134	ng/ml	100
T AR1016 5	6.459	0.0	130506.376	72.2917	ng/ml	100
T AR1016 3 #2	7.091	0.0	1483807.569	107.7634	ng/ml	100
T AR1016 4 #2	7.091	0.0	239628.691	24.3775	ng/ml	100
T AR1016 5 #2	7.319	0.0	267229.540	33.4447	ng/ml	100
T AR1260 1	8.759	0.0	463518.972	123.6628	ng/ml	100
T AR1260 2	9.328	0.0	1659.768	0.2905	ng/ml	100
T AR1260 3	9.614	0.0	151608.570	25.3894	ng/ml	100
T AR1260 1 #2	10.025	0.0	1493746.209	99.3749	ng/ml	100
T AR1260 4	10.149	0.0	429147.724	120.6284	ng/ml	100
T AR1260 2 #2	10.238	0.0	929853.372	51.4852	ng/ml	100
T AR1260 3 #2	10.616	0.0	236992.977	10.3668	ng/ml	100
T AR1260 5	10.887	0.0	274424.928	23.1819	ng/ml	100
T AR1260 4 #2	11.126	0.0	57809.426	0.0000	ng/ml	100
T AR1260 5 #2	11.367	0.0	1369994.442	53.4535	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

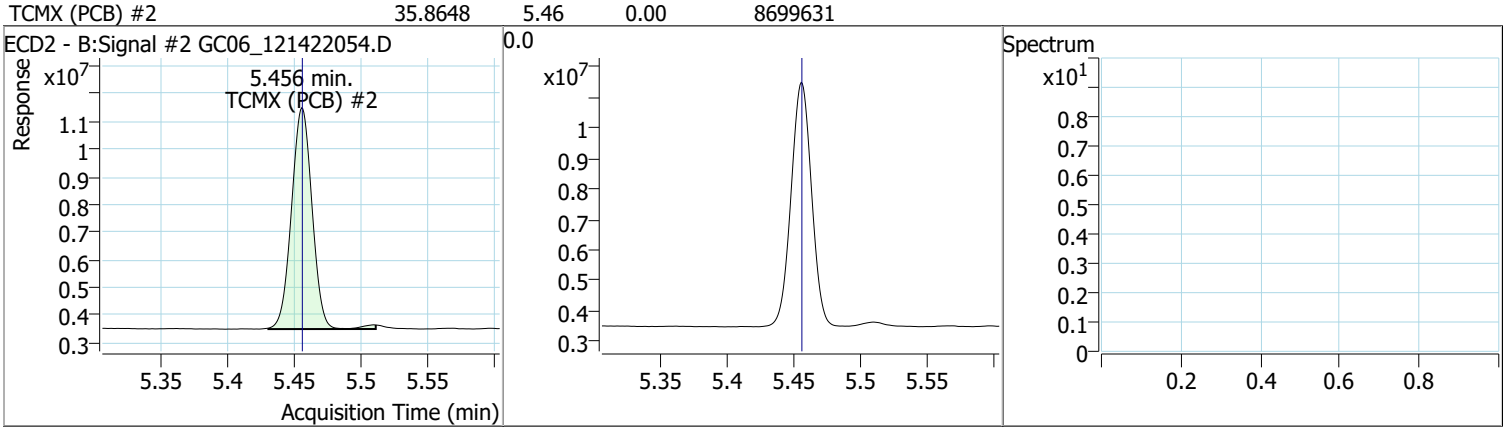
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	33.1502	5.06	0.00	1766914				



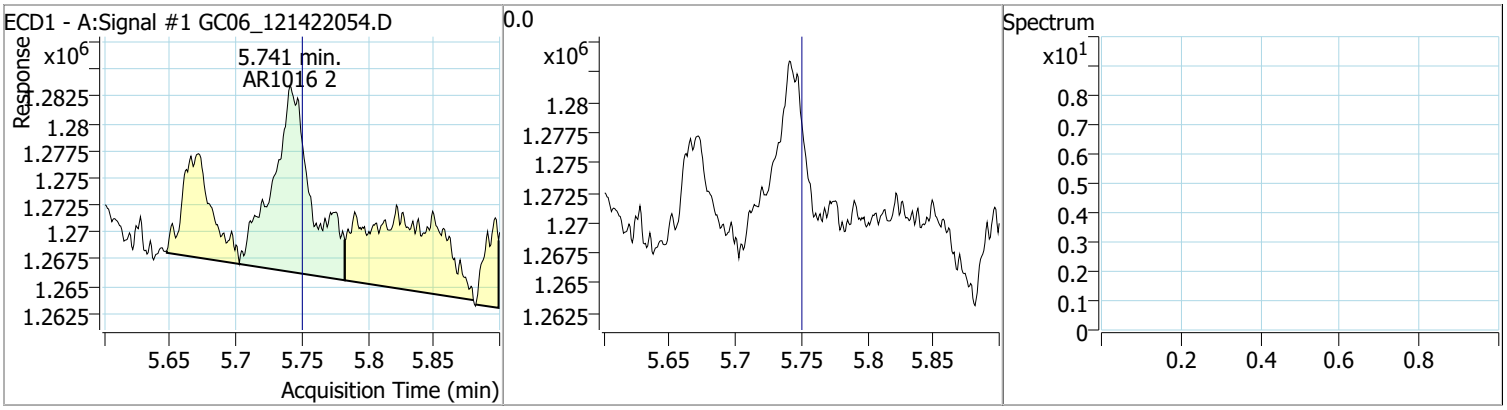
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	33.9190	5.38	-0.03	39424				



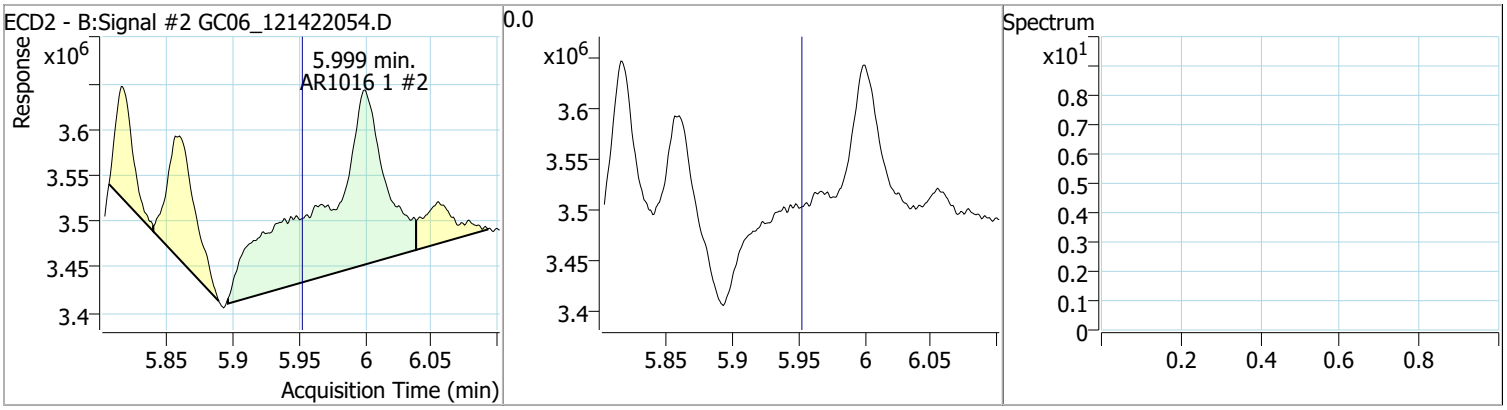
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.8648	5.46	0.00	8699631				



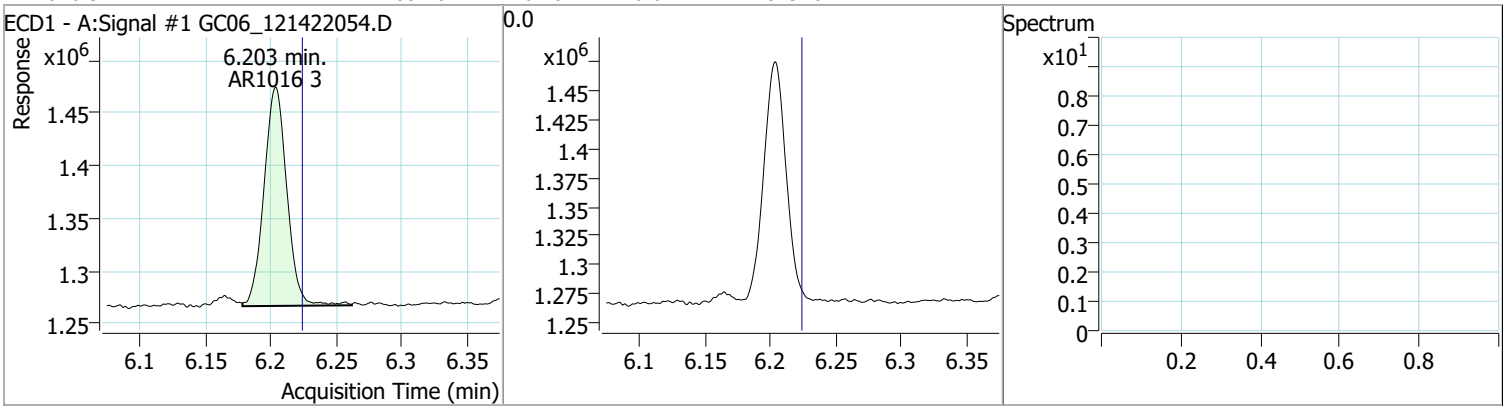
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0630	5.74	-0.01	35712				



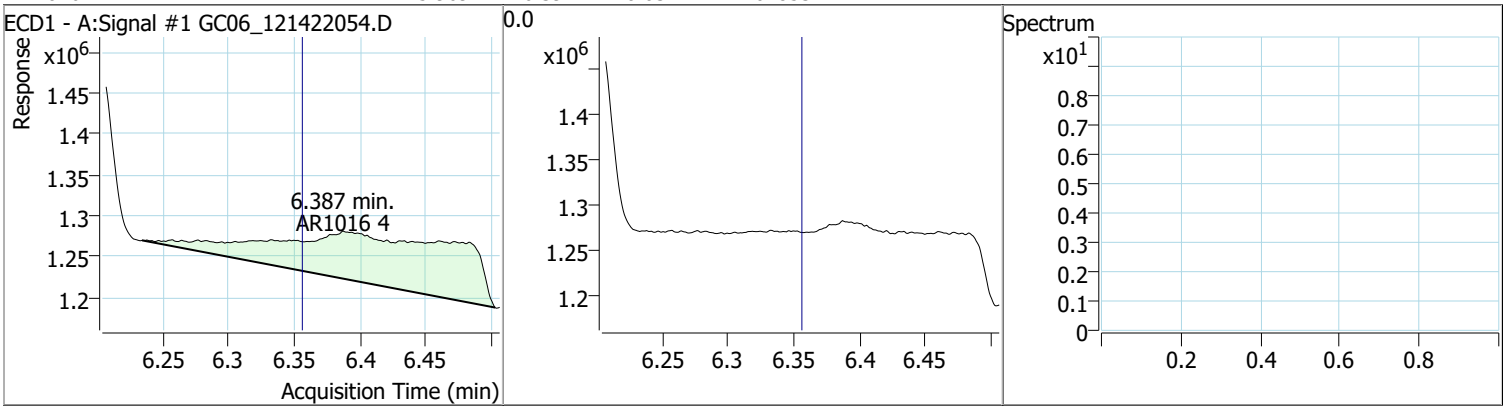
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	127.8285	6.00	0.05	671037				



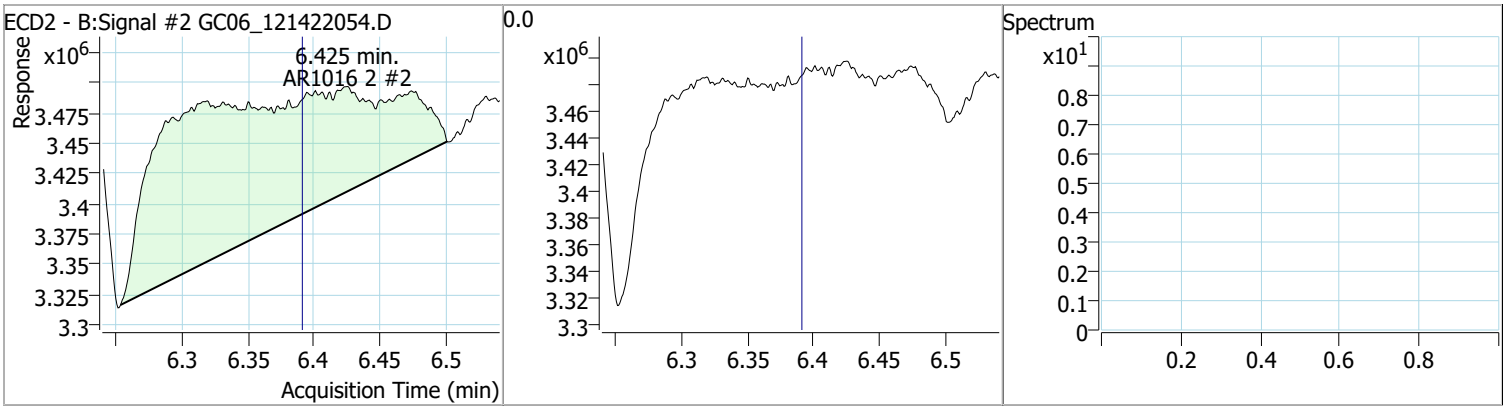
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	85.4827	6.20	-0.02	251910				



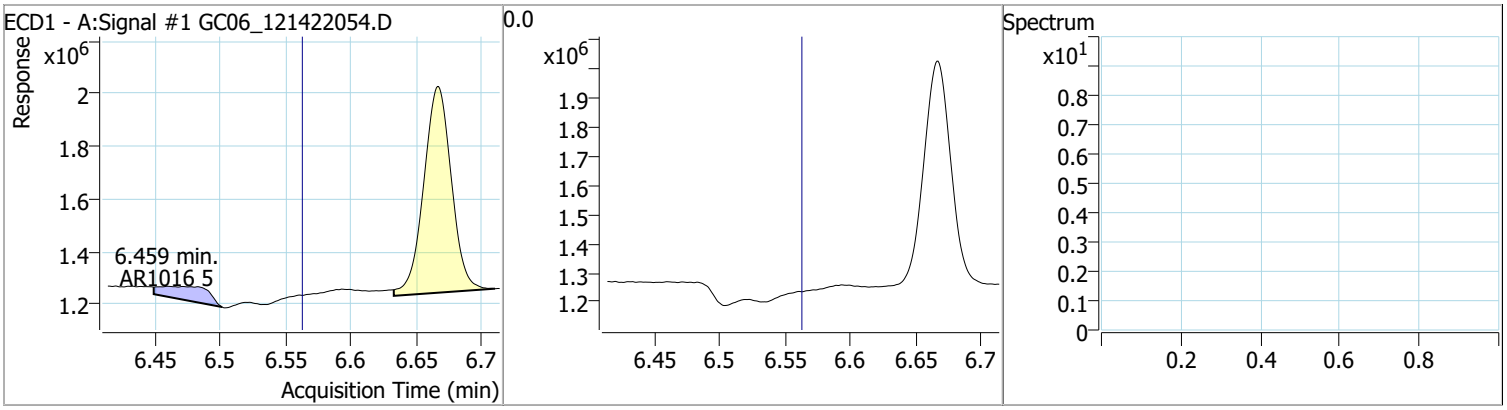
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	275.9697	6.39	0.03	618532				



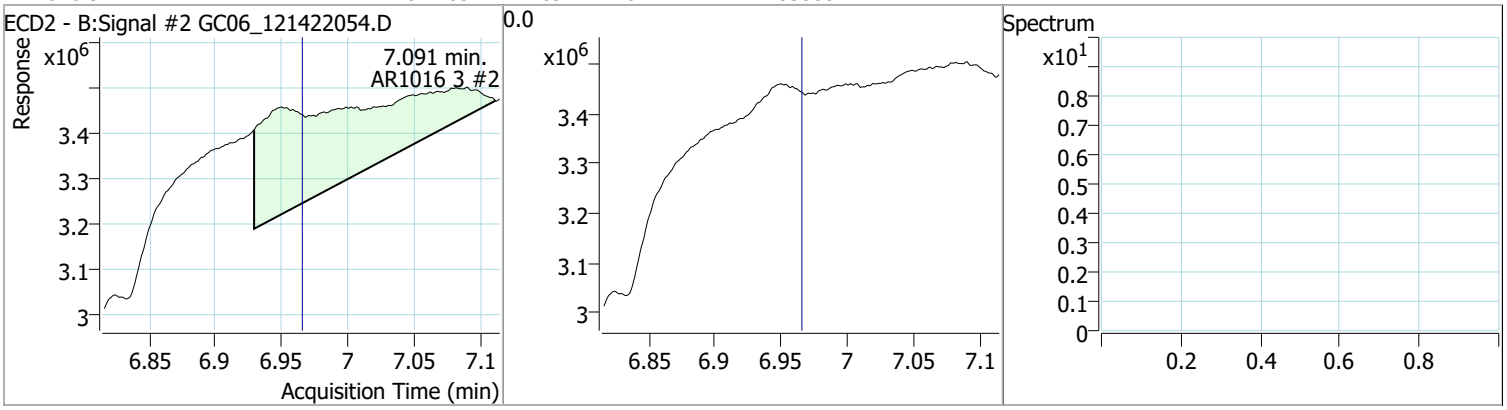
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	171.8134	6.43	0.03	1301987				



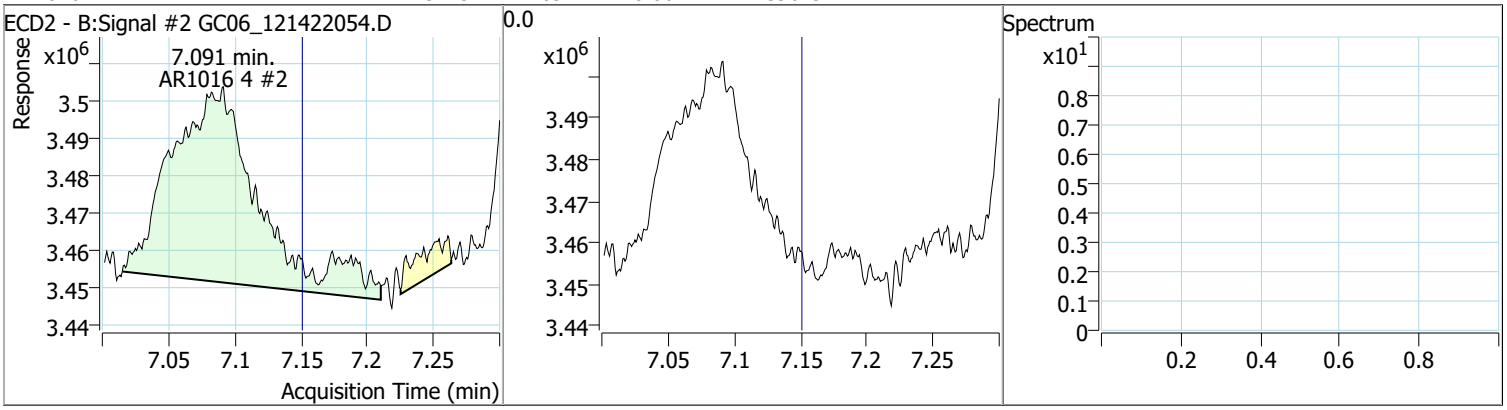
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	72.2917	6.46	-0.11	130506				



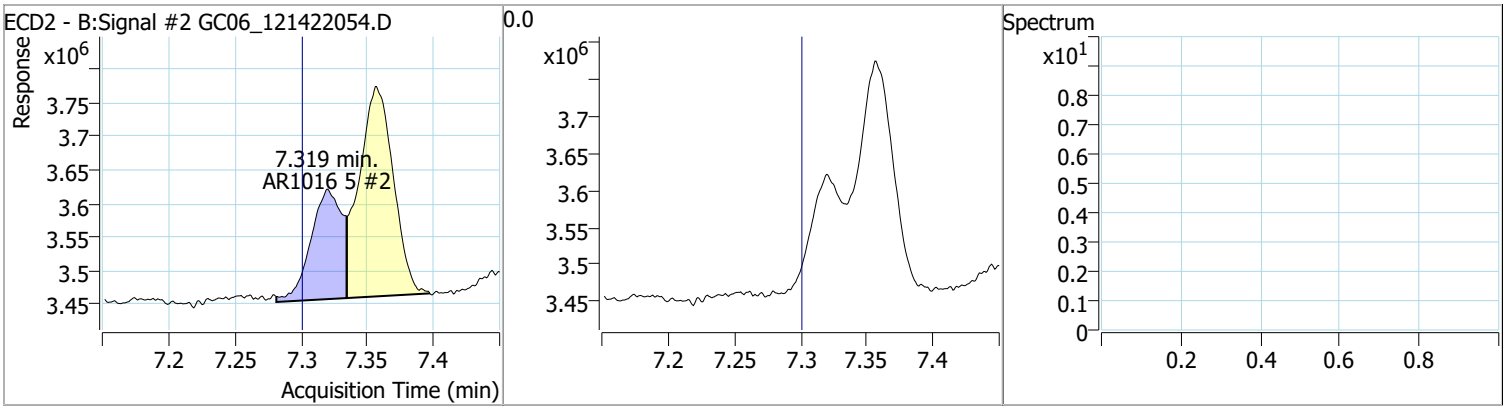
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	107.7634	7.09	0.12	1483808				



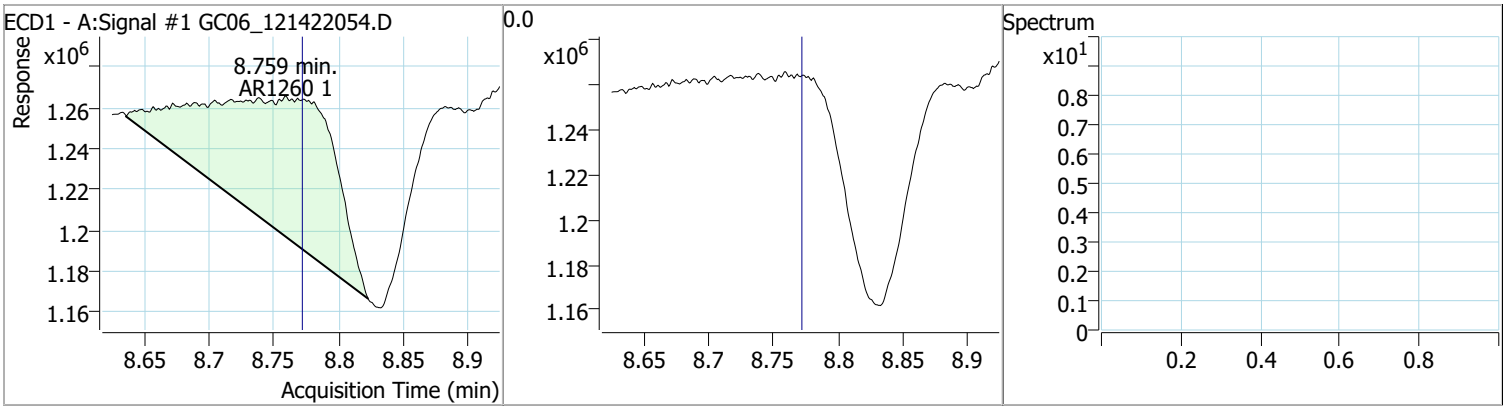
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	24.3775	7.09	-0.06	239629				



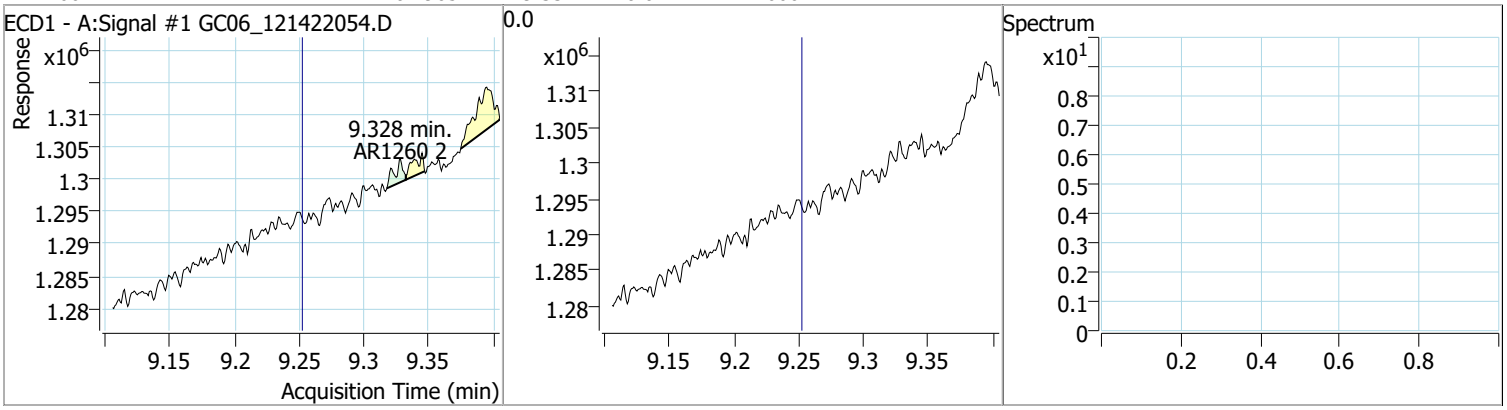
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	33.4447	7.32	0.02	267230				



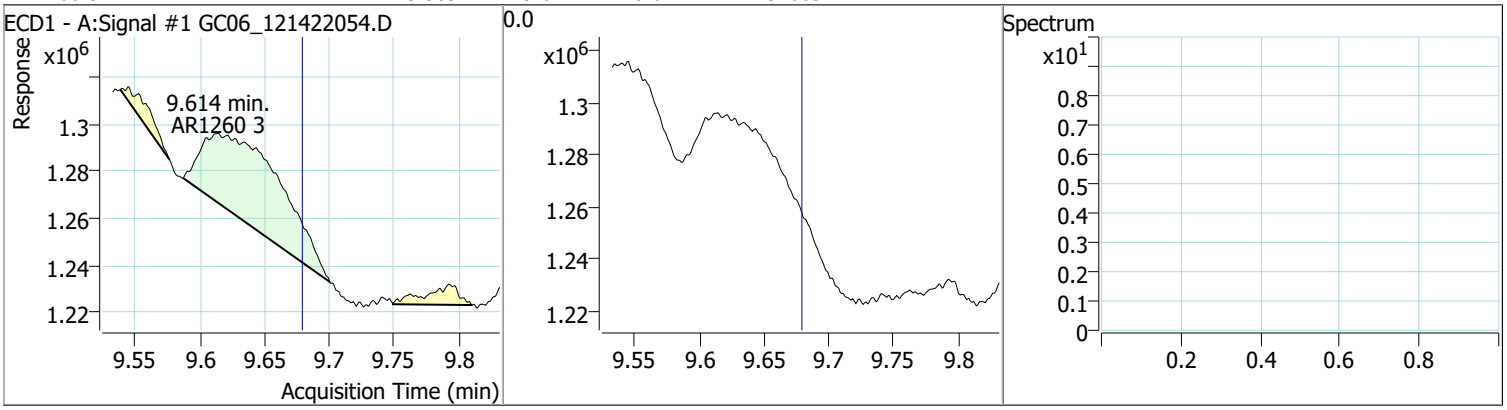
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	123.6628	8.76	-0.02	463519				



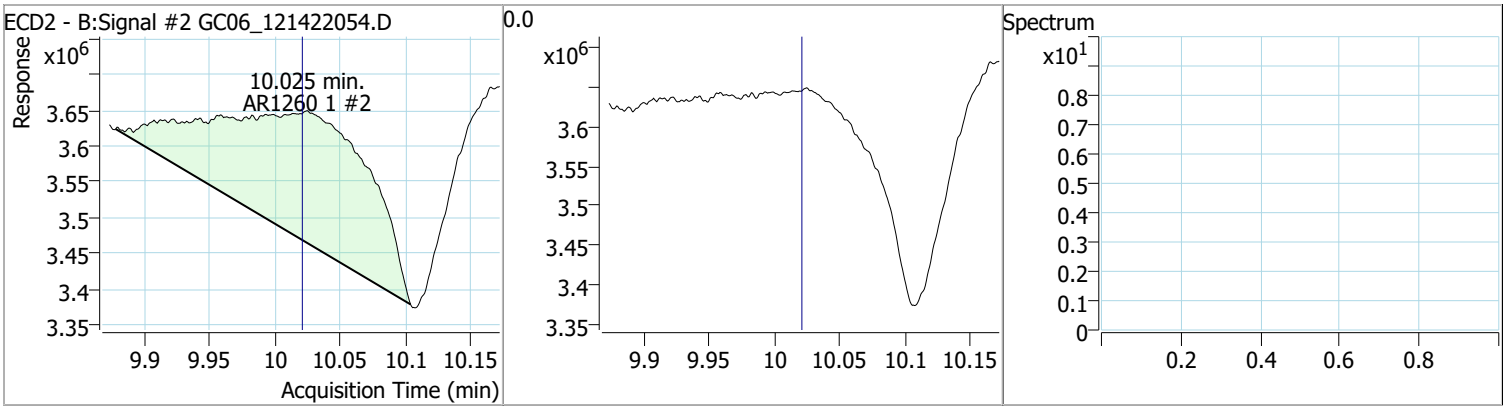
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.2905	9.33	0.07	1660				



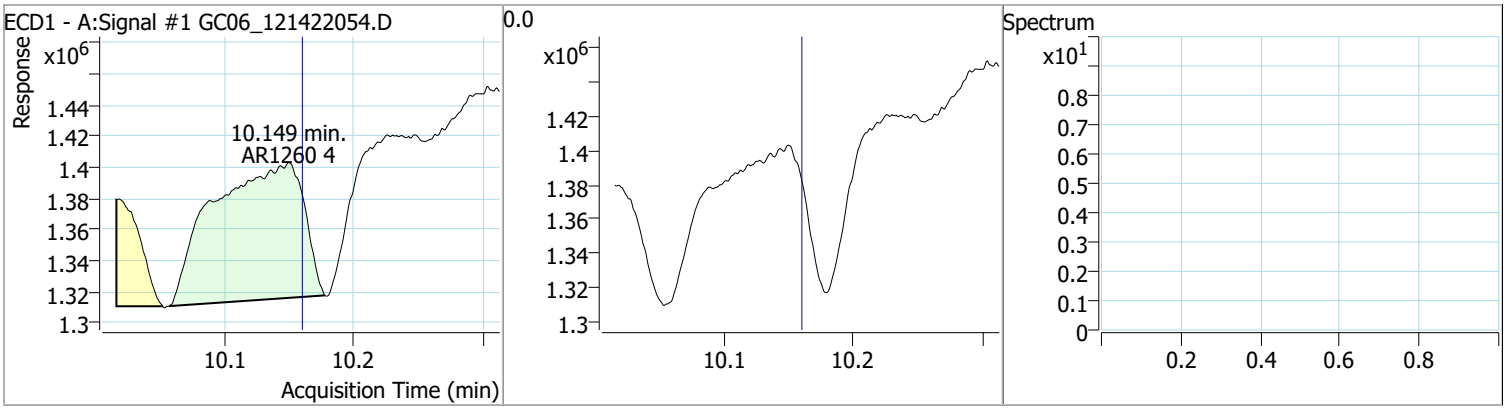
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	25.3894	9.61	-0.07	151609				



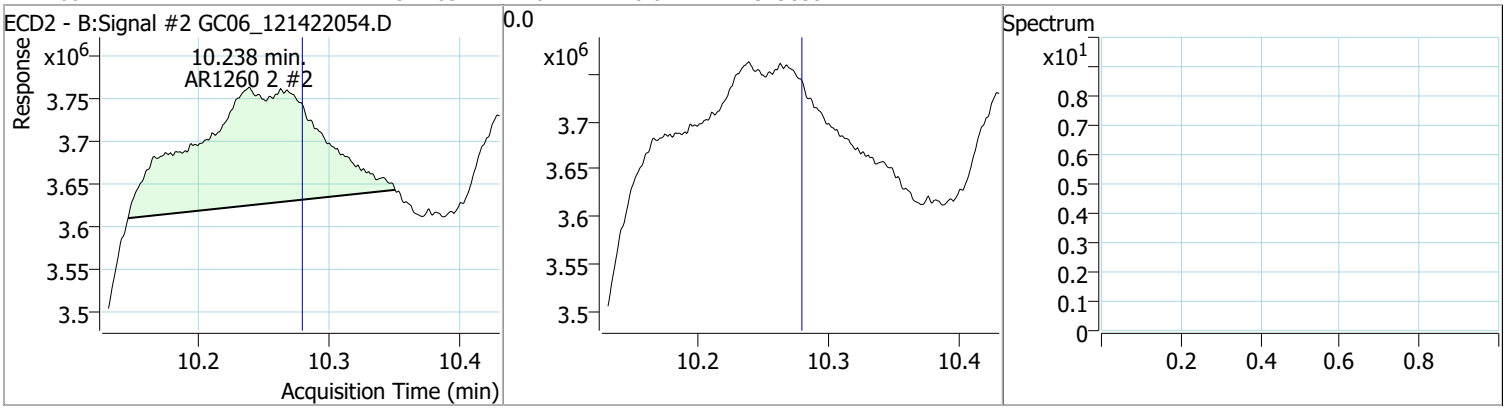
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	99.3749	10.03	0.00	1493746				



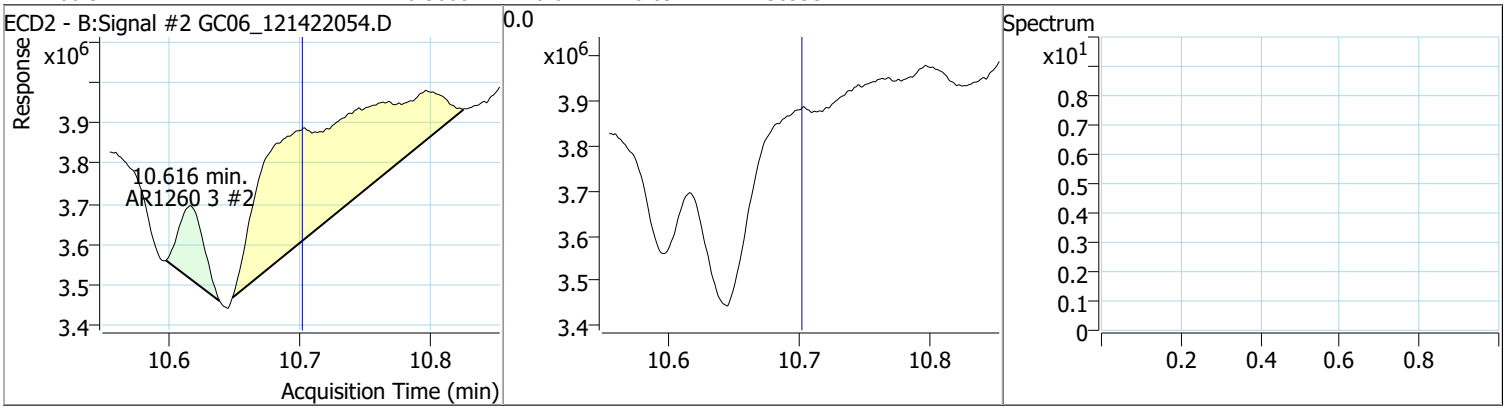
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	120.6284	10.15	-0.02	429148				



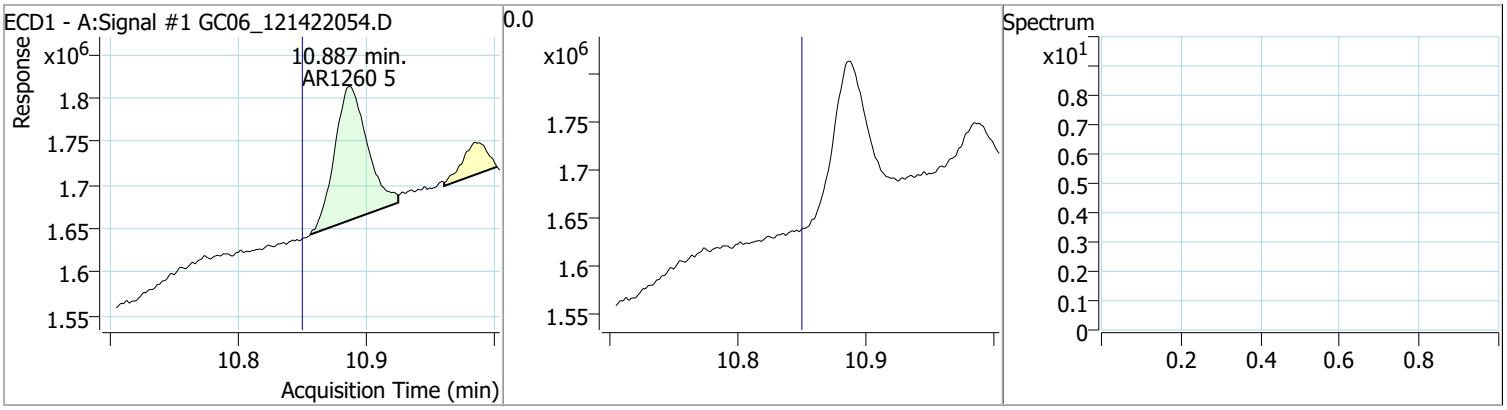
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	51.4852	10.24	-0.04	929853				



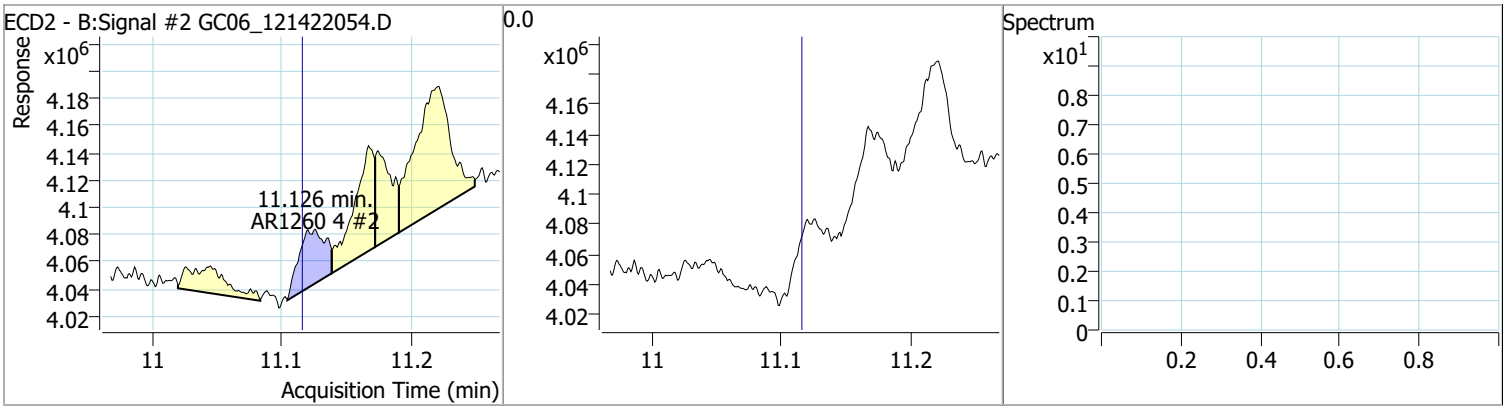
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	10.3668	10.62	-0.09	236993				



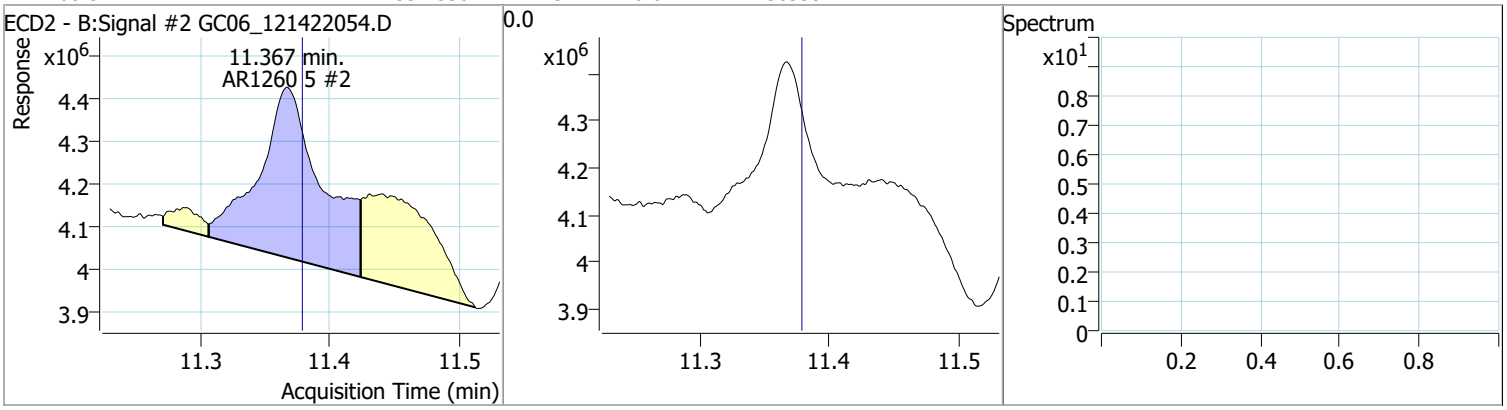
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	23.1819	10.89	0.03	274425				



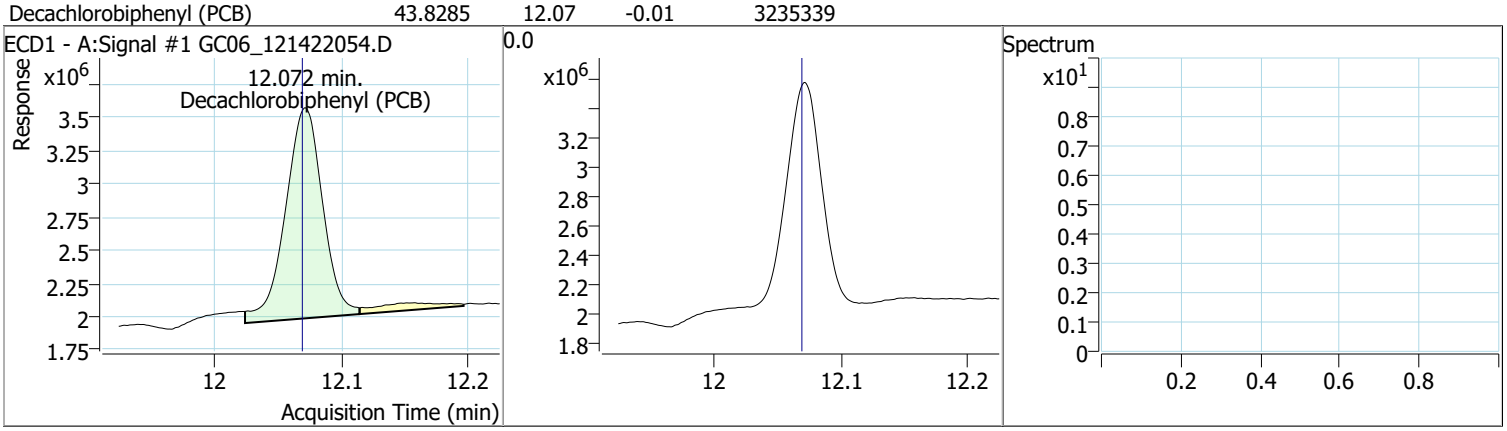
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.13	0.01	57809				



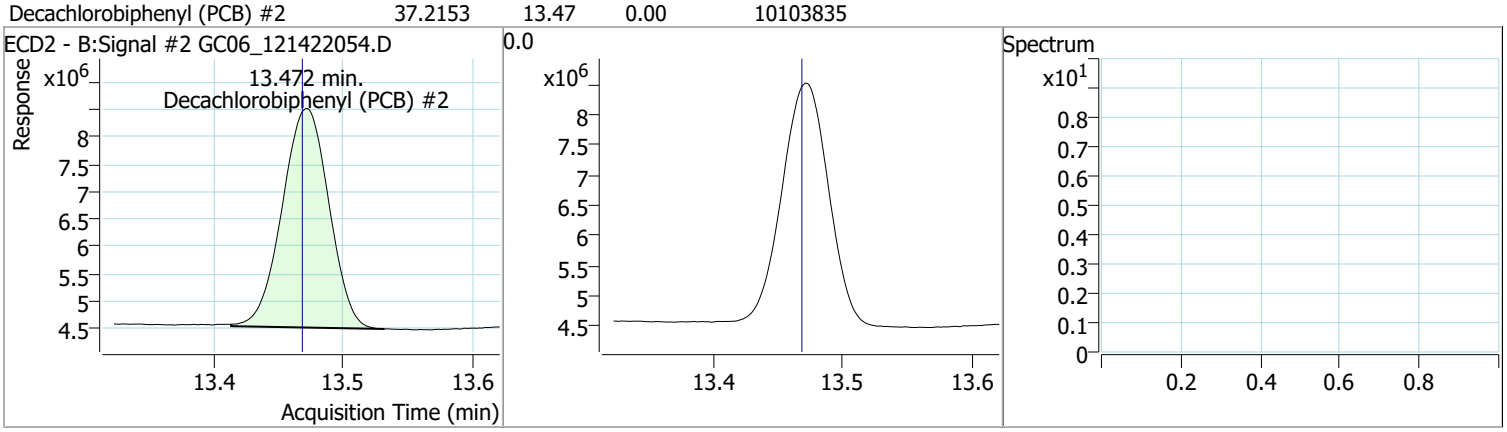
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	53.4535	11.37	-0.02	1369994				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	43.8285	12.07	-0.01	3235339				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	37.2153	13.47	0.00	10103835				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474713-002	Client ID:	ARCH-C3W-DG-1.5 TO 2-DN-C3W-DG-221209-P-LA
Seqnum:	452501809055	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422055	Batch:	303182	Time:	15-DEC-2022 04:34
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	68.47	~~0.68~~ FP	2.9	124%	0.50		x u
Aroclor-1016 Peak # 1	B	12.53	0.13	0.27	74%			
Aroclor-1016 Peak # 2	B	96.03	0.96	ND	227%			
Aroclor-1016 Peak # 3	B	186.0	1.86	0.66	96%			
Aroclor-1016 Peak # 4	B	18.86	0.19	2.30	170%			
Aroclor-1016 Peak # 5	B	28.92	0.29	11.36	190%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	67.68	~~0.68~~ FP	0.40	51%	0.50		x u
Aroclor-1260 Peak # 1	B	90.89	0.91	0.80	13%			
Aroclor-1260 Peak # 2	B	89.68	0.90	0.00	199%			
Aroclor-1260 Peak # 3	B	71.40	0.71	0.22	106%			
Aroclor-1260 Peak # 4	B	-7.723	ND	0.87	239%			
Aroclor-1260 Peak # 5	B	94.17	0.94	0.11	157%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	29.71	0.5000	0.2971	59	19-121	u
Decachlorobiphenyl (PCB)	B	26.65	0.5000	0.2665	53	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422036)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5560467	5737261	3.18
1-bromo-2-nitrobenzene (PCB)	A	1170615	1255961	7.29

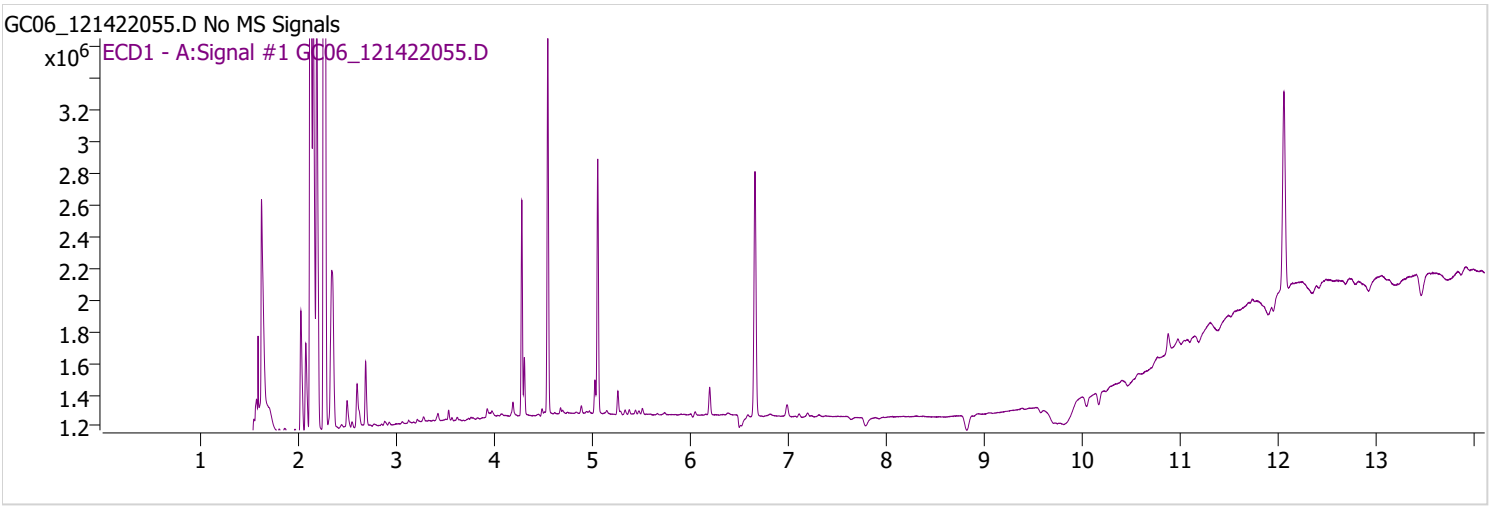
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

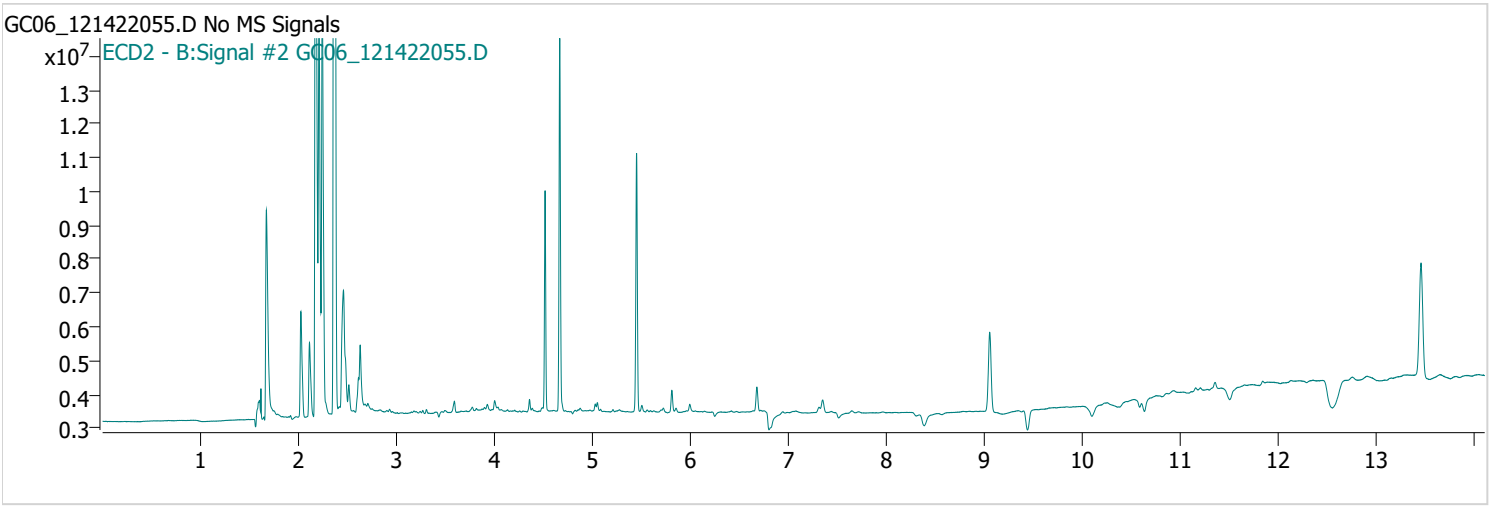
ISTD (CCV gc06_121422036)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

Analyst: MES 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422055.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 4:34:40 AM
Sample Name	474713-002, 303182, 1	Instrument	SVOA-GC06
Vial	38	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



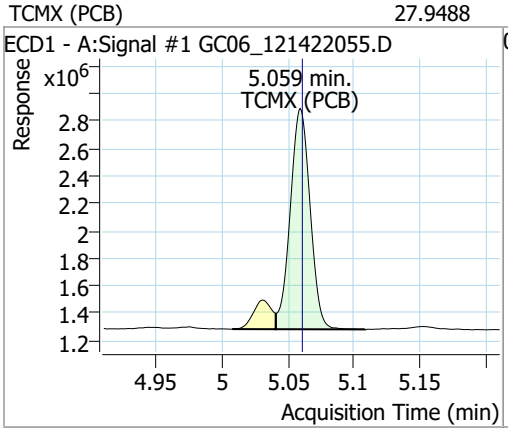


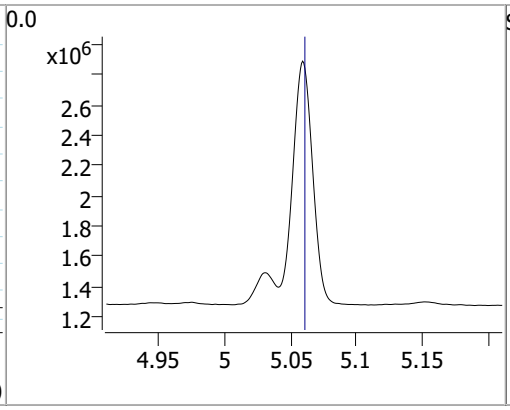
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.283	0.0	1255961.183	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	5737260.778	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.059	0.0	1687671.971	27.9488	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 139.74%			
S TCMX (PCB) #2	5.456	0.0	8185088.345	29.7068	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 148.53%			
S Decachlorobiphenyl (PCB)	12.070	0.0	2678092.801	30.8592	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 154.30%		*	
S Decachlorobiphenyl (PCB) #2	13.470	0.0	8393912.043	26.6509	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 133.25%			
Target Compounds							QValue

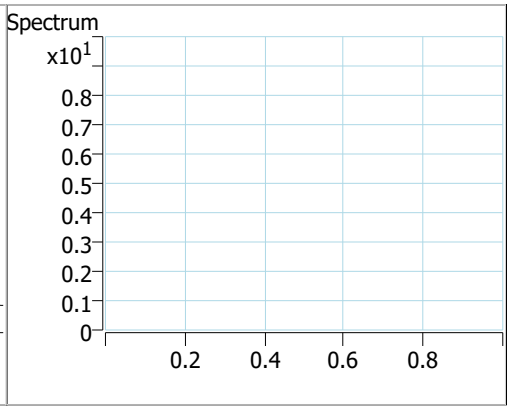
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.382	0.0	35747.772	27.1478	ng/ml	100
T AR1016 2	5.743	0.0	24181.375	0.0000	ng/ml	100
T AR1016 1 #2	5.966	0.0	74727.723	12.5322	ng/ml	100
T AR1016 3	6.203	0.0	219600.760	65.7766	ng/ml	100
T AR1016 4	6.394	0.0	585267.799	230.4932	ng/ml	100
T AR1016 2 #2	6.424	0.0	826570.994	96.0274	ng/ml	100
T AR1016 5	6.666	0.0	2322501.875	1135.5794	ng/ml	100
T AR1016 3 #2	7.078	0.0	2909531.281	186.0292	ng/ml	100
T AR1016 4 #2	7.078	0.0	210583.057	18.8599	ng/ml	100
T AR1016 5 #2	7.320	0.0	262511.794	28.9239	ng/ml	100
T AR1260 1	8.763	0.0	338053.916	79.6090	ng/ml	100
T AR1260 2	9.199	0.0	1041.788	0.1610	ng/ml	100
T AR1260 3	9.612	0.0	147696.970	21.8326	ng/ml	100
T AR1260 1 #2	10.009	0.0	1551945.504	90.8952	ng/ml	100
T AR1260 4	10.147	0.0	366471.306	87.1239	ng/ml	100
T AR1260 2 #2	10.262	0.0	1839762.694	89.6797	ng/ml	100
T AR1260 3 #2	10.764	0.0	1854133.086	71.4028	ng/ml	100
T AR1260 5	10.888	0.0	222283.119	11.4155	ng/ml	100
T AR1260 4 #2	11.168	0.0	227040.874	0.0000	ng/ml	100
T AR1260 5 #2	11.366	0.0	2435039.409	94.1803	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

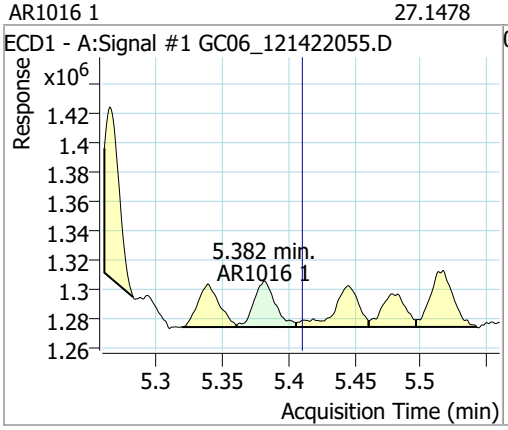
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	27.9488	5.06	0.00	1687672				

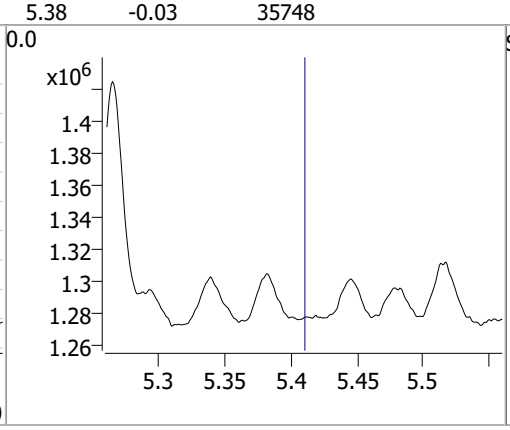


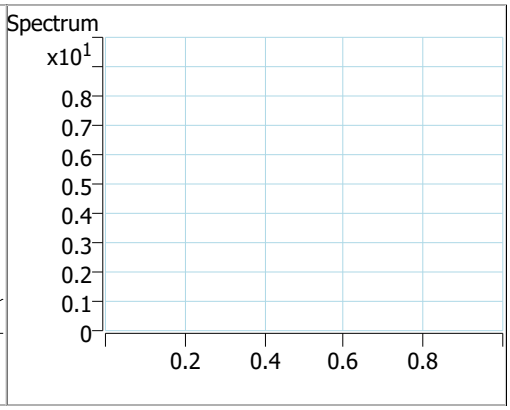




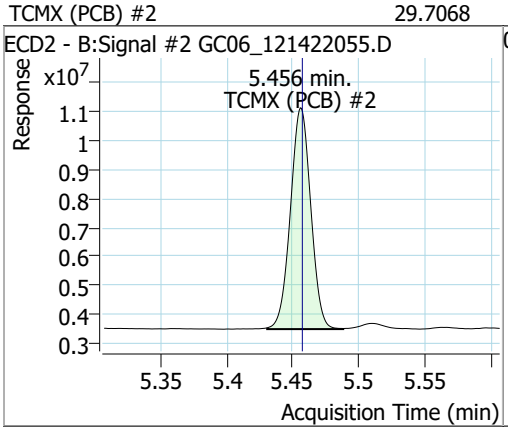
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	27.1478	5.38	-0.03	35748				

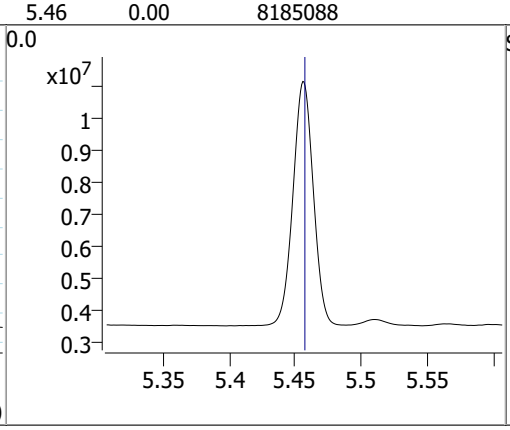


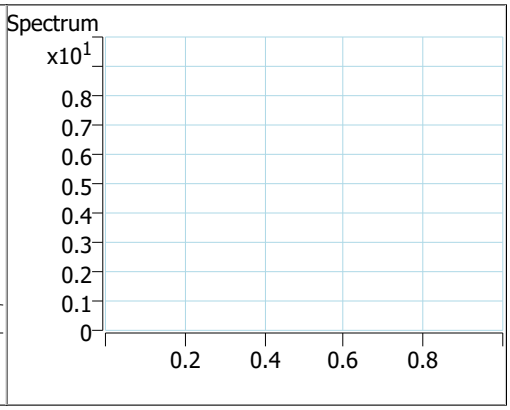




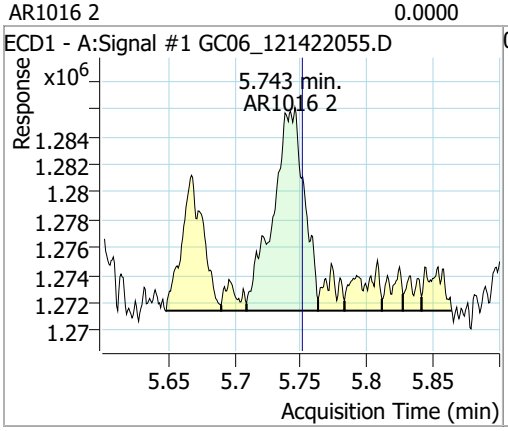
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	29.7068	5.46	0.00	8185088				

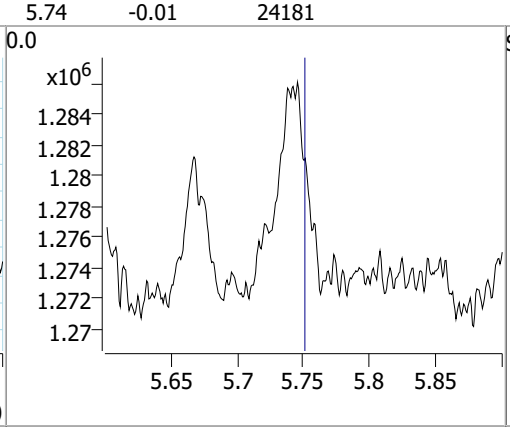


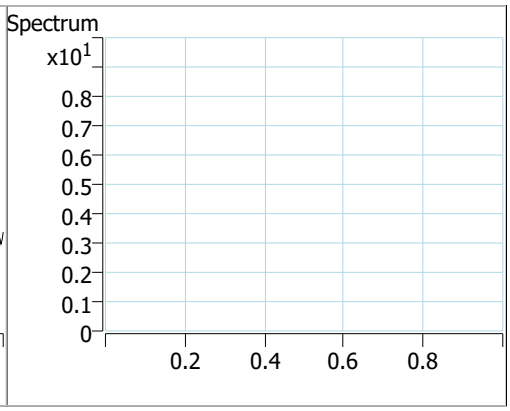




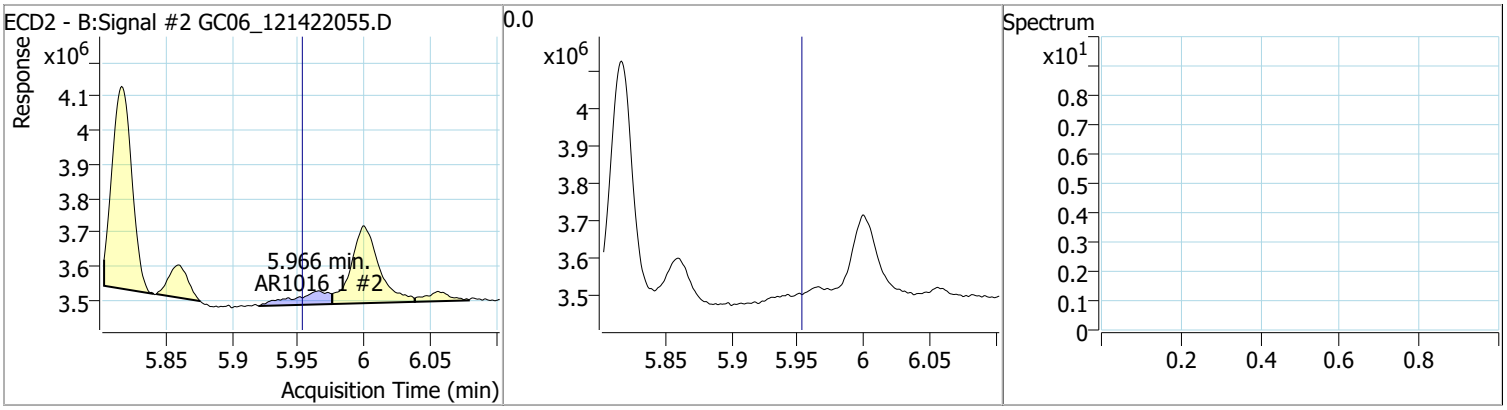
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.74	-0.01	24181				



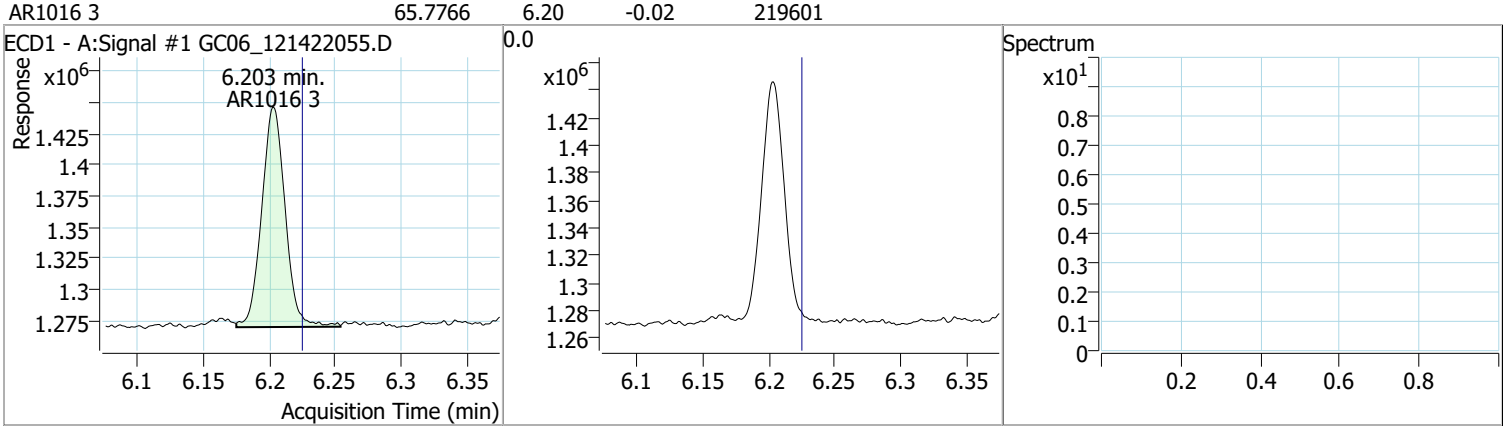




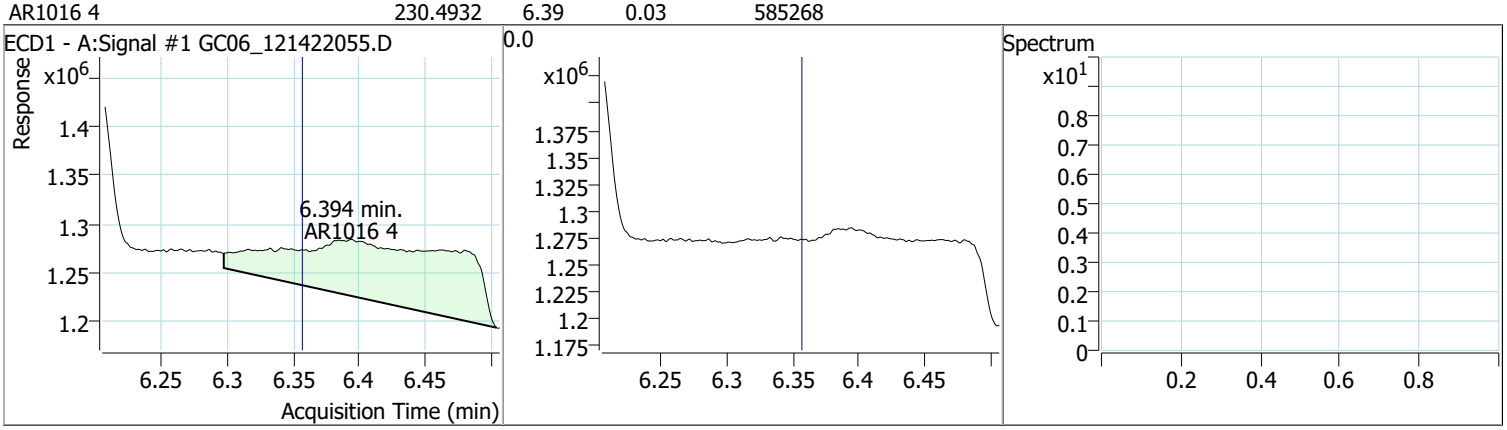
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	12.5322	5.97	0.01	74728				



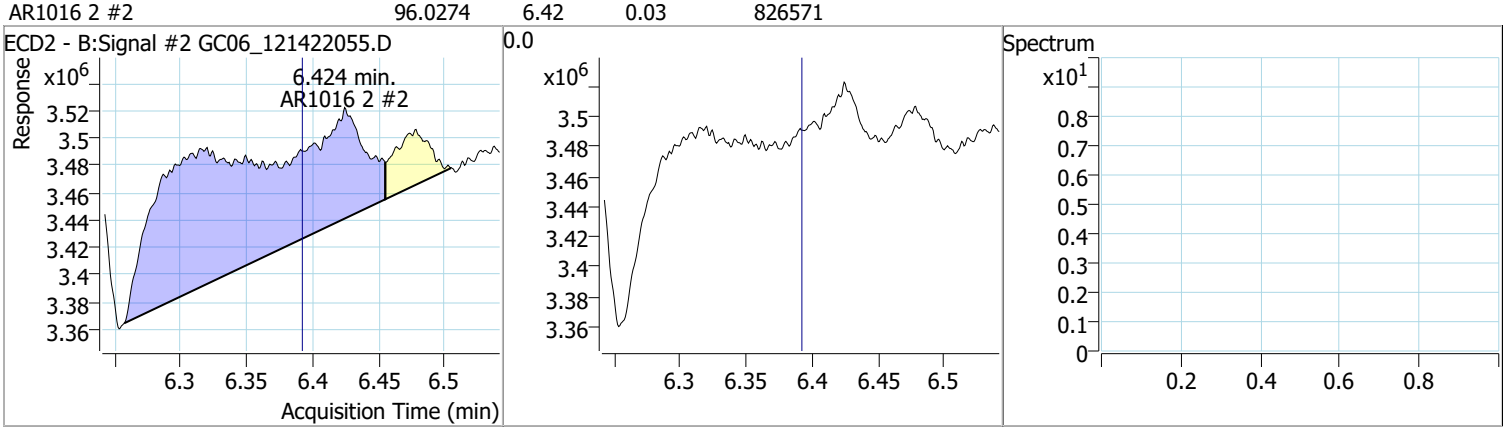
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	65.7766	6.20	-0.02	219601				



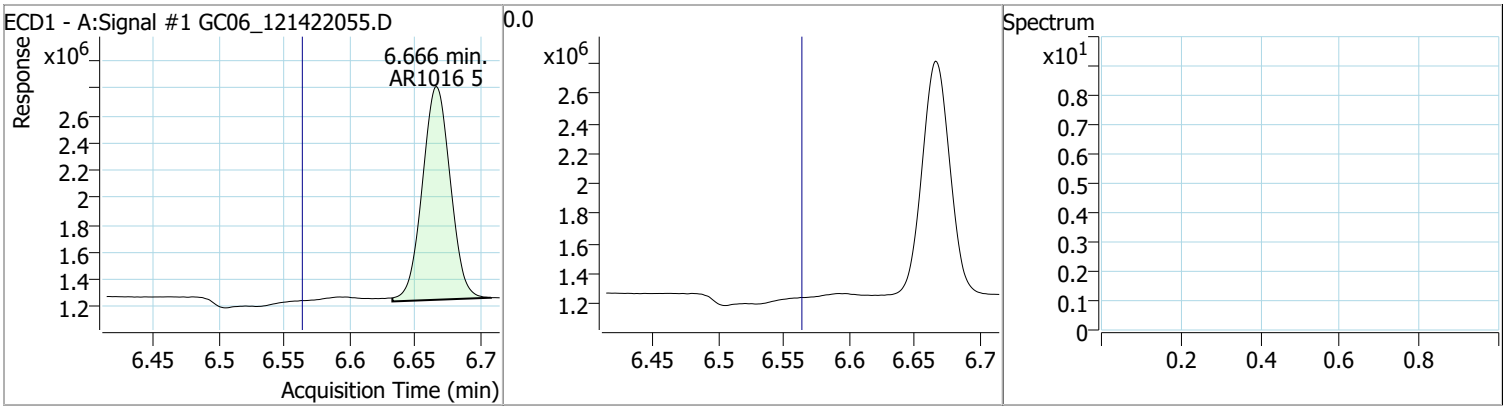
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	230.4932	6.39	0.03	585268				



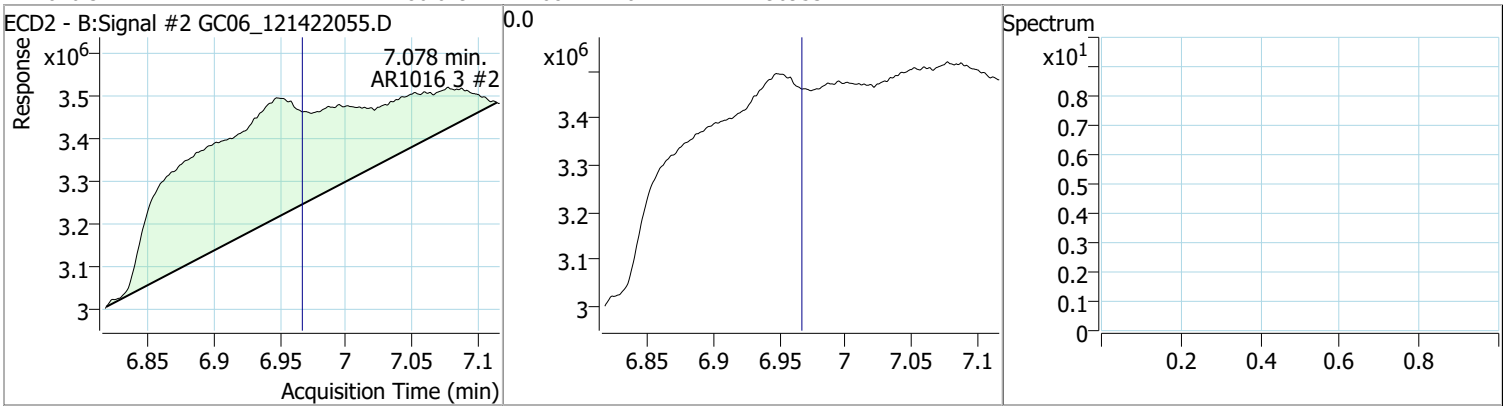
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	96.0274	6.42	0.03	826571				



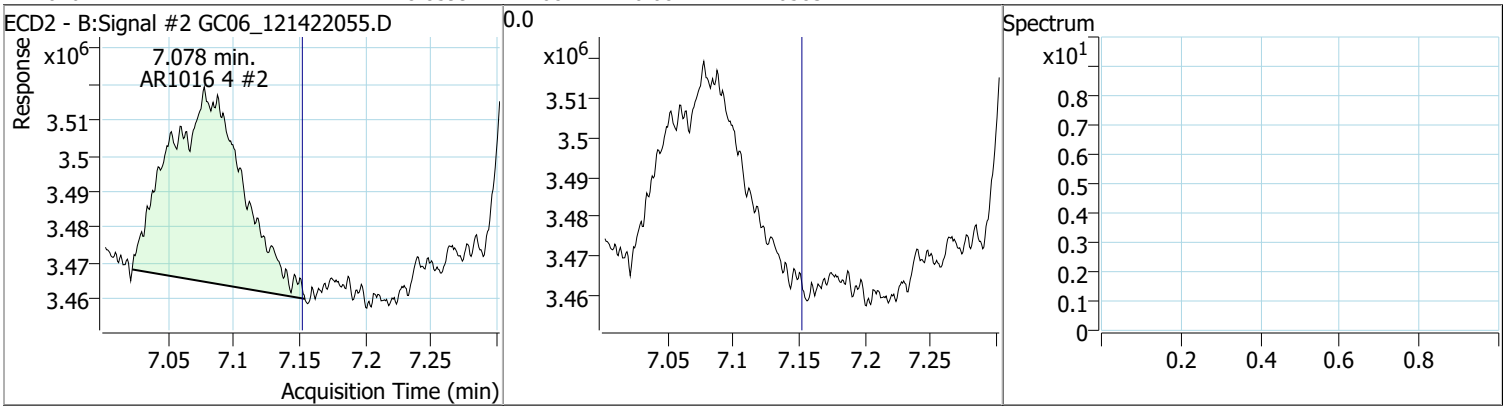
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1135.5794	6.67	0.10	2322502				



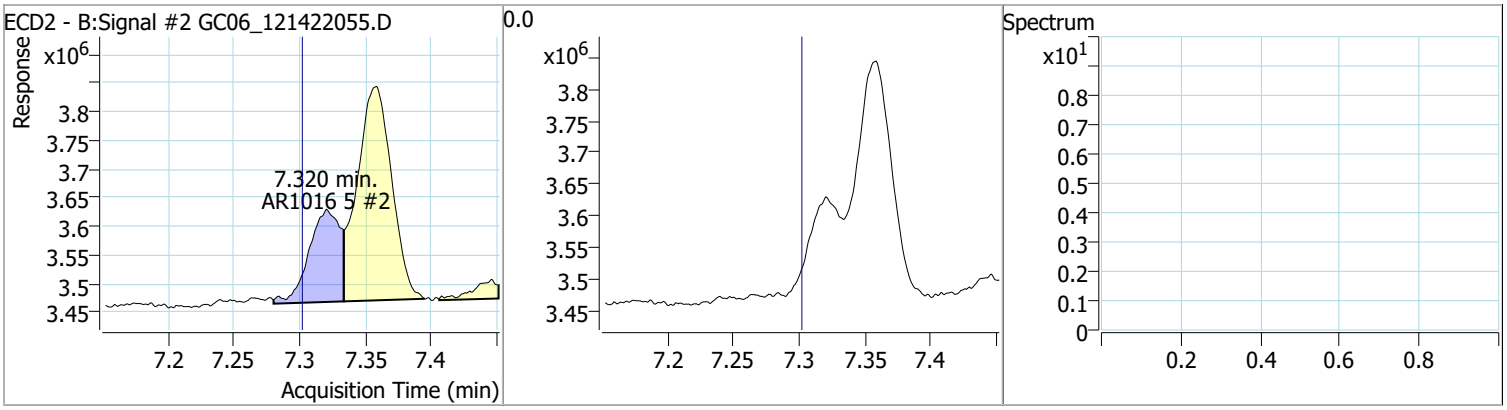
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	186.0292	7.08	0.11	2909531				



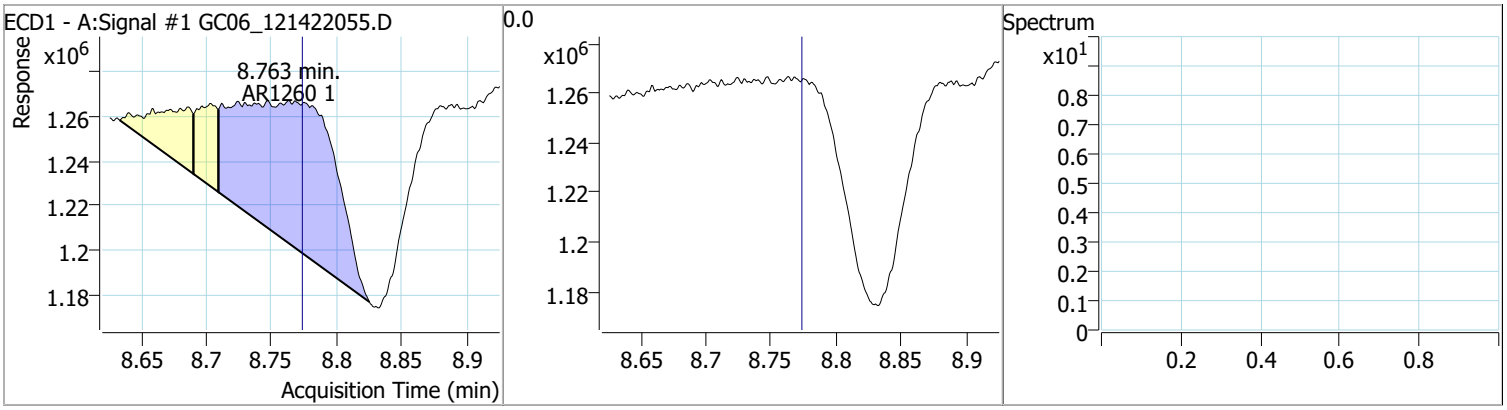
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	18.8599	7.08	-0.08	210583				



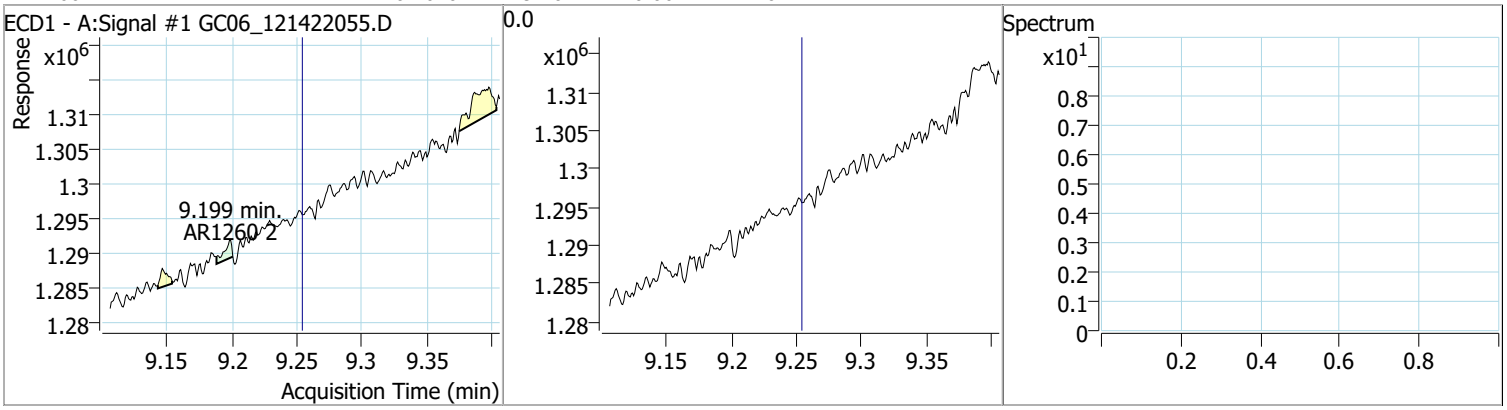
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	28.9239	7.32	0.02	262512				



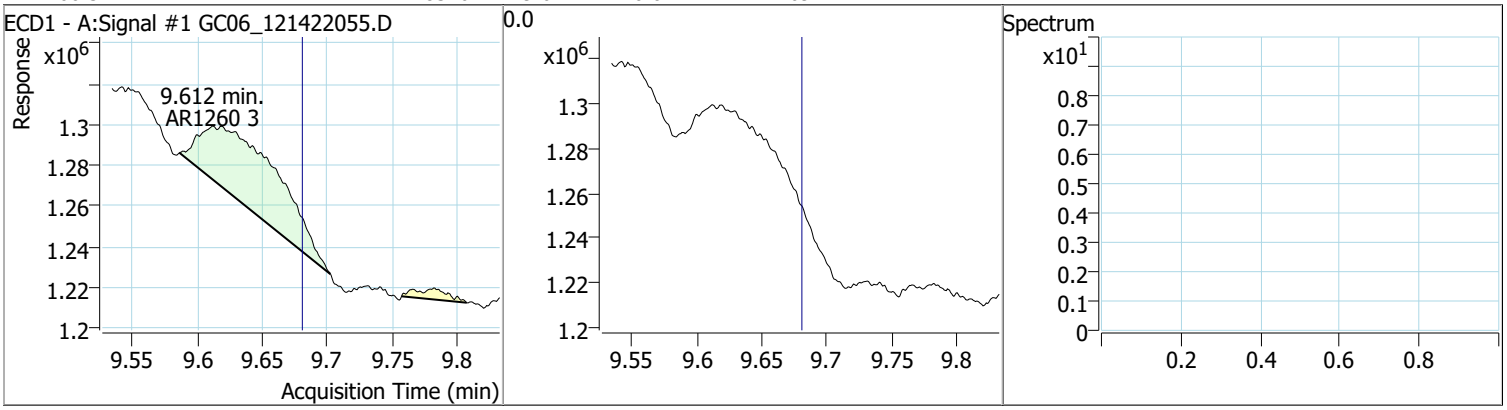
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	79.6090	8.76	-0.01	338054				



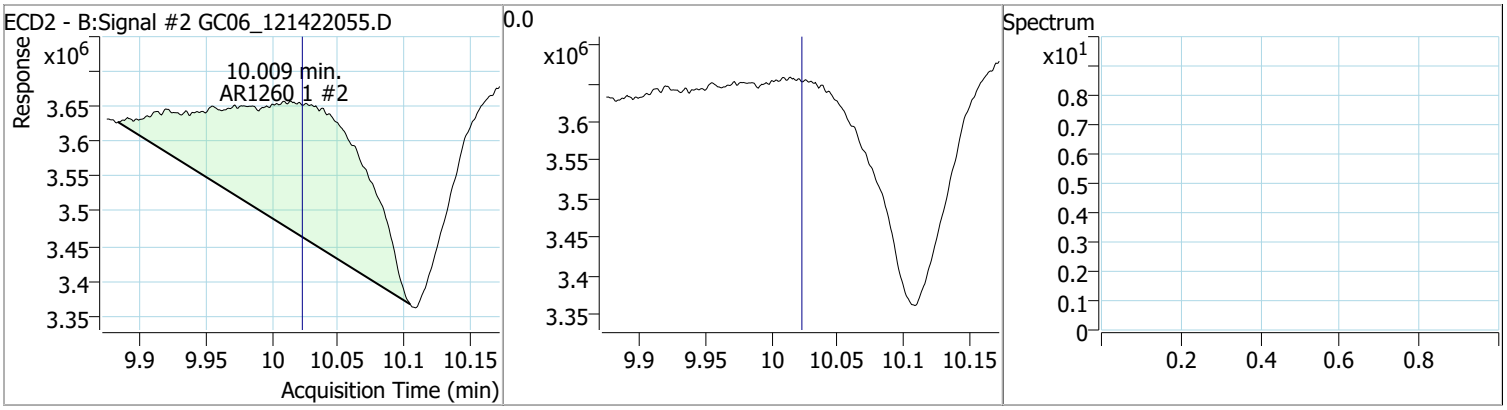
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.1610	9.20	-0.06	1042				



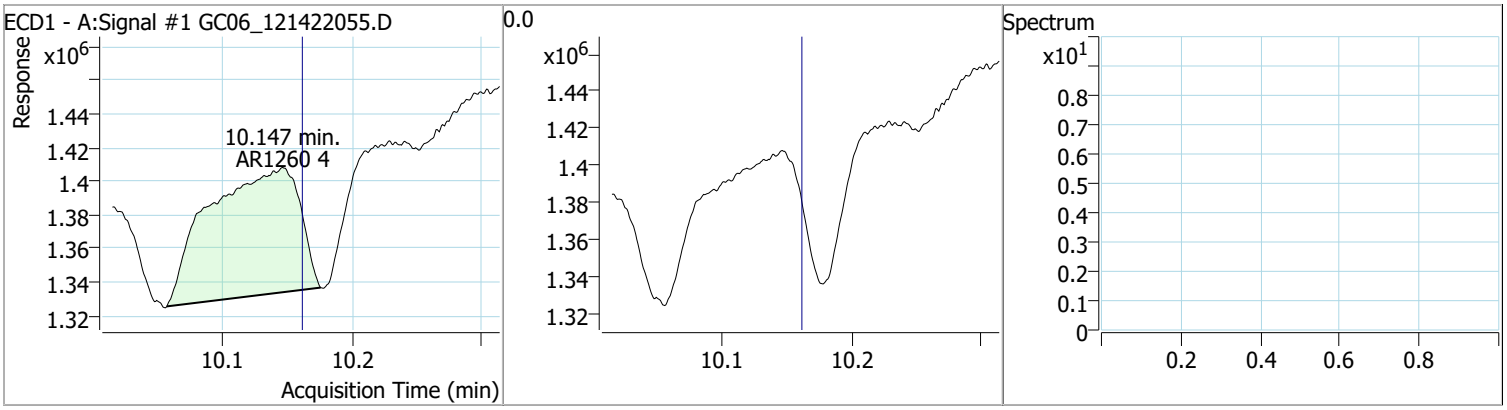
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	21.8326	9.61	-0.07	147697				



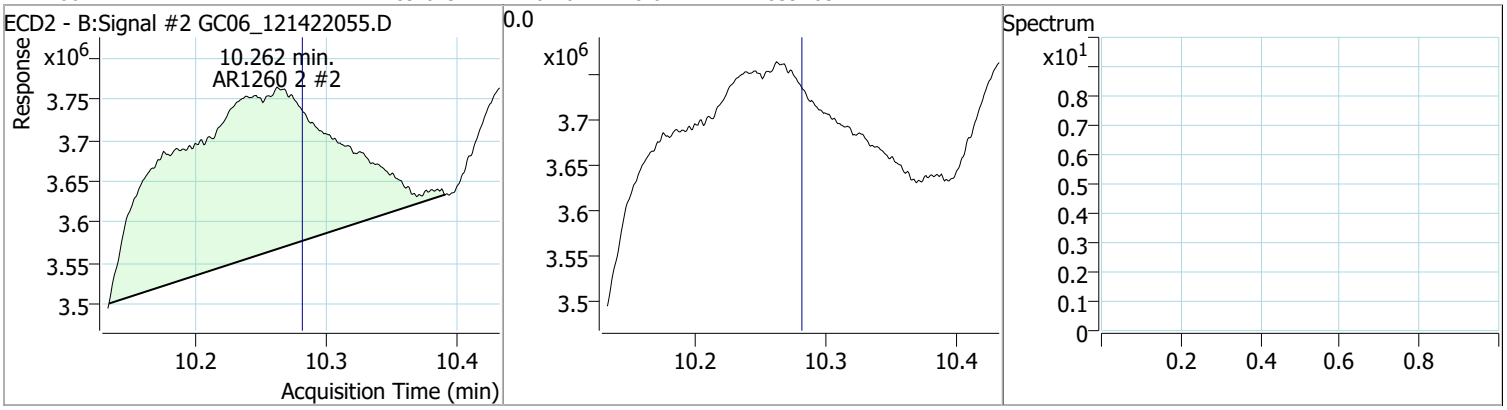
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	90.8952	10.01	-0.02	1551946				



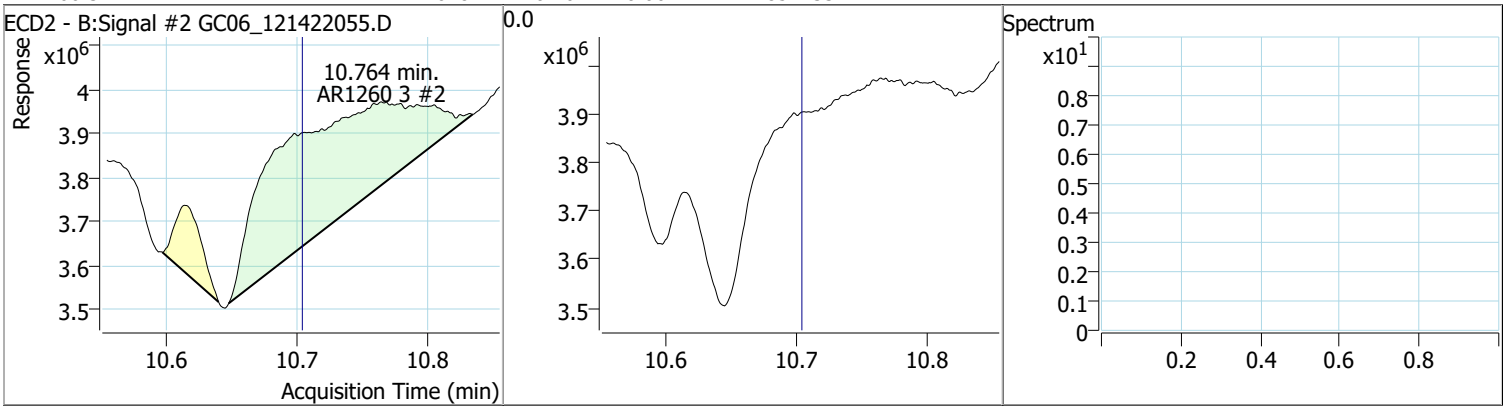
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	87.1239	10.15	-0.02	366471				



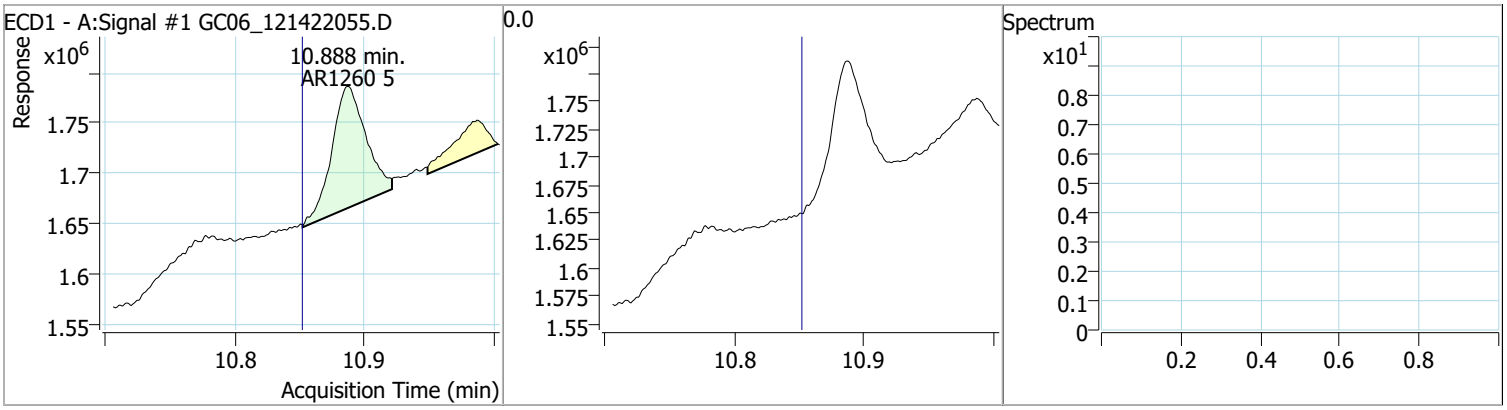
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	89.6797	10.26	-0.02	1839763				



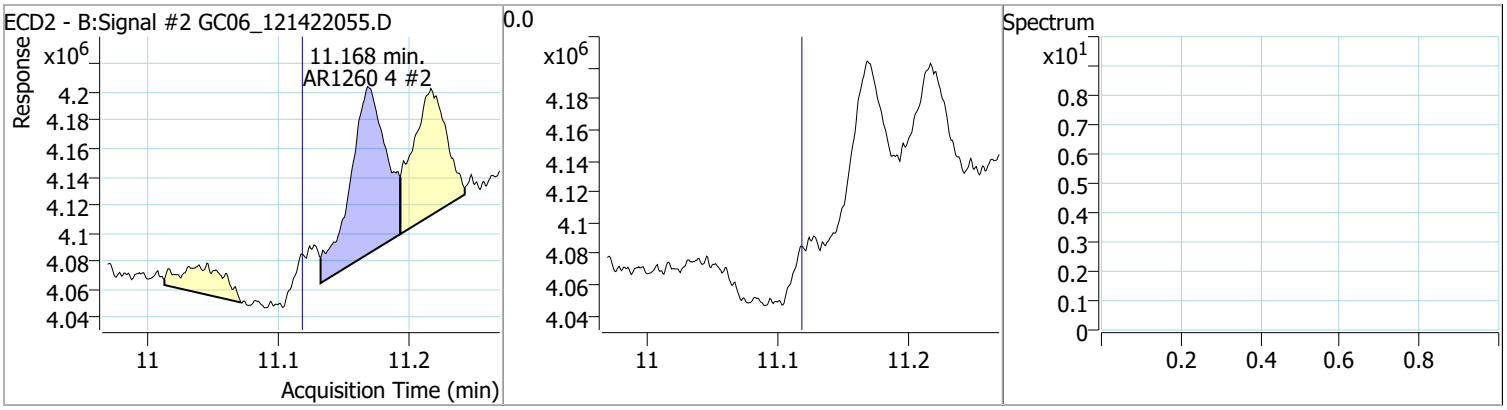
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	71.4028	10.76	0.06	1854133				



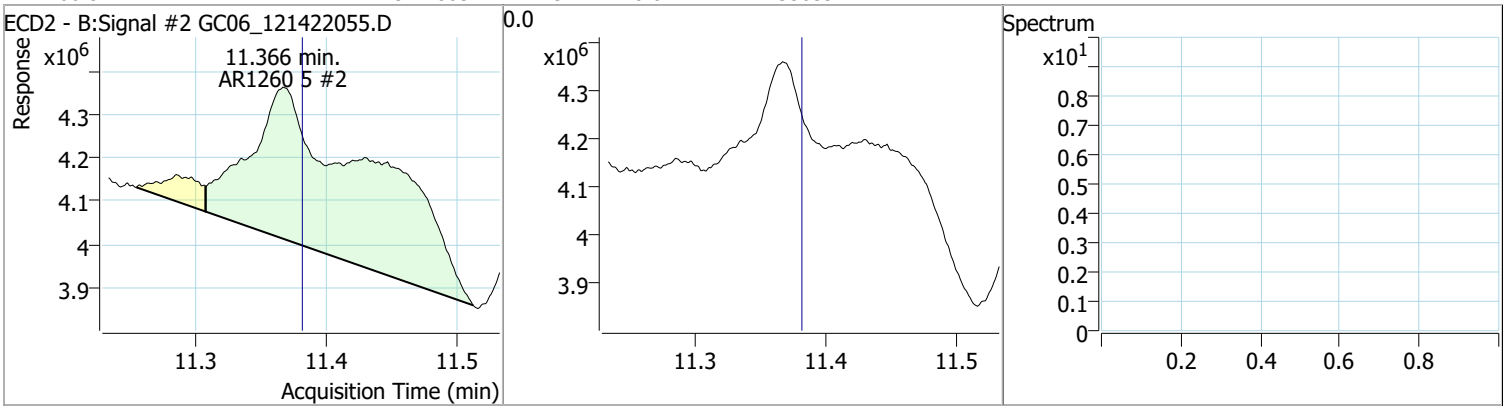
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	11.4155	10.89	0.03	222283				



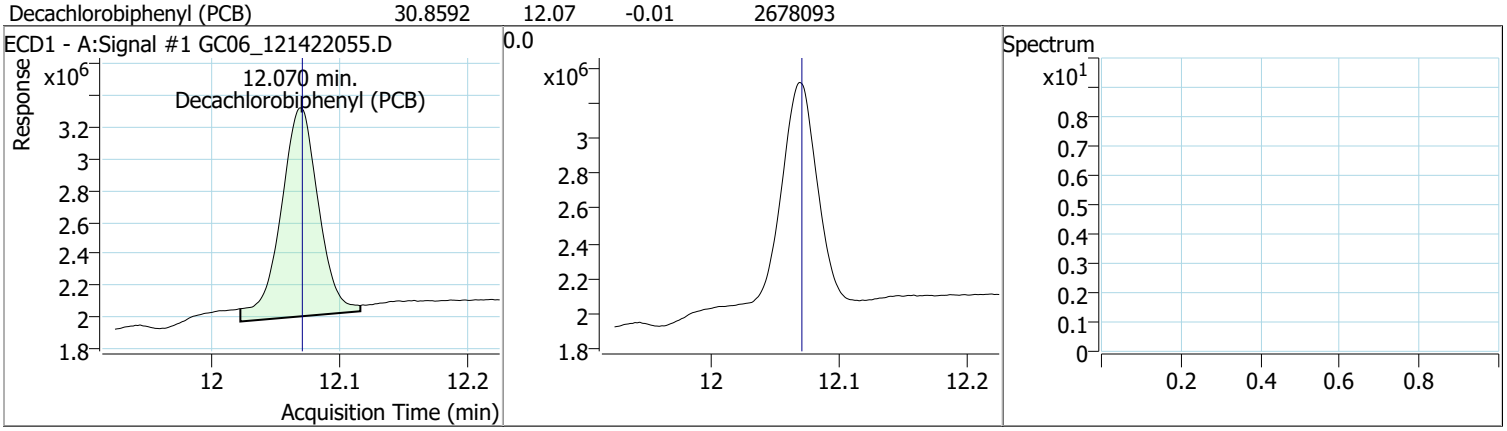
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.17	0.05	227041				



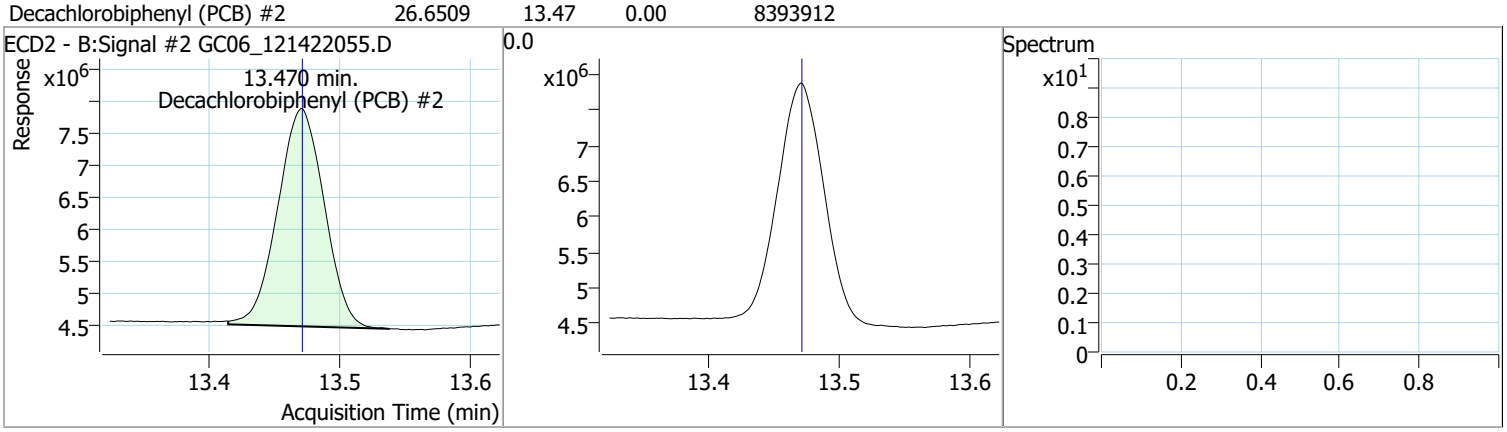
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	94.1803	11.37	-0.02	2435039				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	30.8592	12.07	-0.01	2678093				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	26.6509	13.47	0.00	8393912				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474713-003	Client ID:	ARCH-C5W-DG-2.5 TO 3-UP-C5.6-DG-221209-P-LA
Seqnum:	452501809056	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422056	Batch:	303182	Time:	15-DEC-2022 04:53
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	86.46	~~0.86~~ FP	2.0	81%	0.50		x u
Aroclor-1016 Peak # 1	B	81.08	0.81	0.11	154%			
Aroclor-1016 Peak # 2	B	123.7	1.24	ND	215%			
Aroclor-1016 Peak # 3	B	203.1	2.03	0.93	75%			
Aroclor-1016 Peak # 4	B	0.8829	0.01	0.49	193%			
Aroclor-1016 Peak # 5	B	23.56	0.24	8.75	190%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	55.43	~~0.55~~ FP	0.52	5%	0.50		x u
Aroclor-1260 Peak # 1	B	93.16	0.93	1.21	26%			
Aroclor-1260 Peak # 2	B	96.34	0.96	0.01	197%			
Aroclor-1260 Peak # 3	B	8.631	0.09	0.19	77%			
Aroclor-1260 Peak # 4	B	-11.51	ND	1.04	250%			
Aroclor-1260 Peak # 5	B	90.53	0.91	0.17	137%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	28.83	0.5000	0.2883	58	19-121	u
Decachlorobiphenyl (PCB)	B	31.13	0.5000	0.3113	62	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422036)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5560467	5233756	-5.88
1-bromo-2-nitrobenzene (PCB)	A	1170615	1088269	-7.03

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

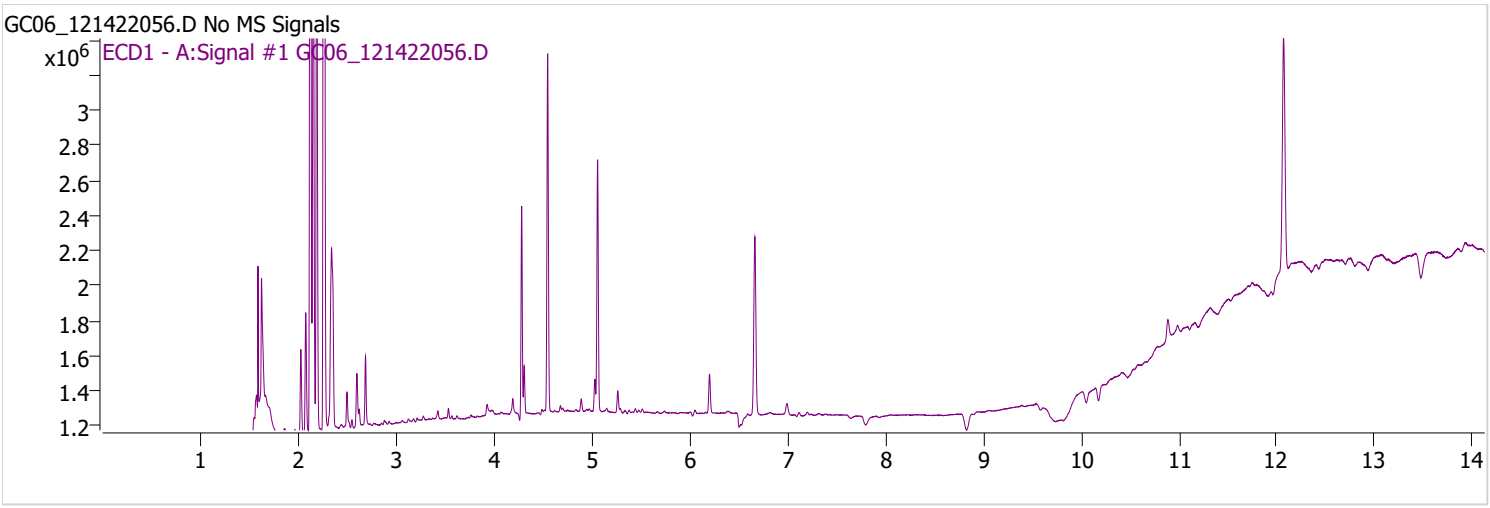
ISTD (CCV gc06_121422036)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

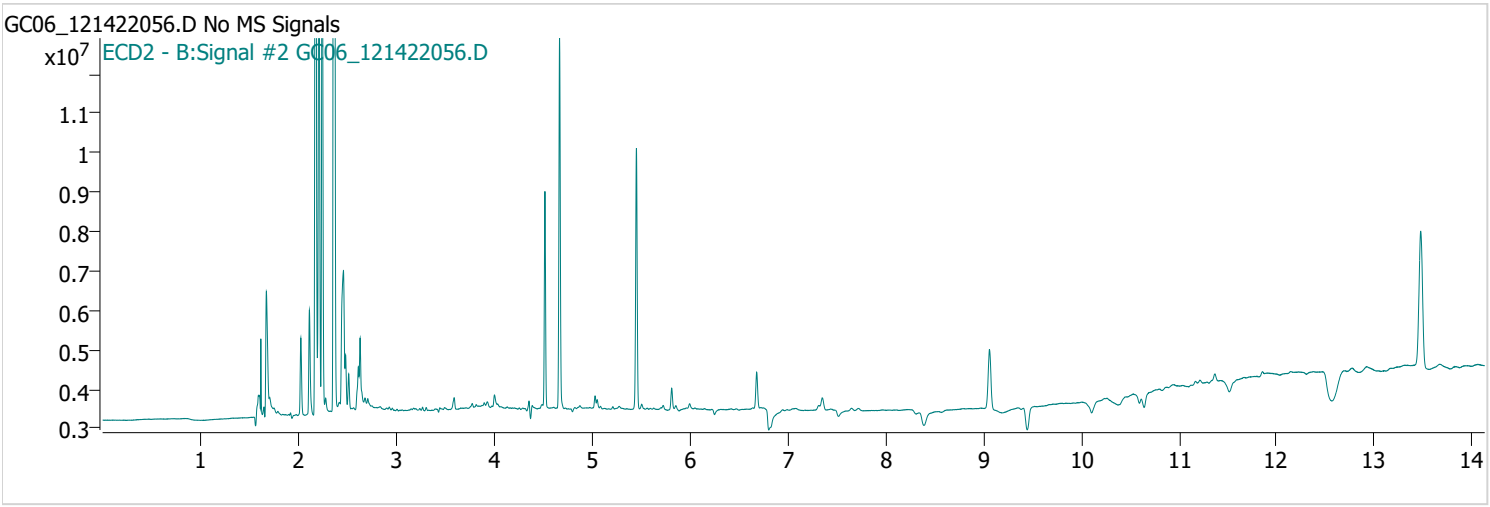
Analyst: MES 12/15/22

Reviewer: LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422056.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 4:53:03 AM
Sample Name	474713-003, 303182, 1	Instrument	SVOA-GC06
Vial	39	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



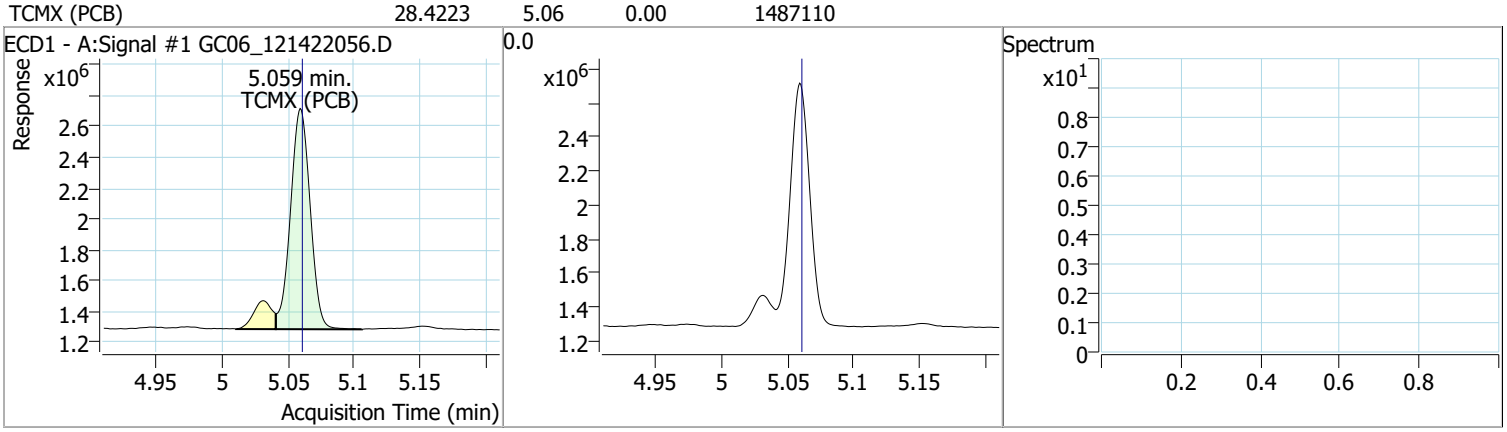


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.283	0.0	1088269.262	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.521	0.0	5233755.984	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB)	5.059	0.0	1487110.018	28.4223	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 142.11%			
S TCMX (PCB) #2	5.456	0.0	7246414.096	28.8301	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 144.15%			
S Decachlorobiphenyl (PCB)	12.069	0.0	2807817.976	38.2470	ng/ml		-0.009
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 191.24%		*	
S Decachlorobiphenyl (PCB) #2	13.472	0.0	8849306.930	31.1287	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 155.64%		*	
Target Compounds							QValue

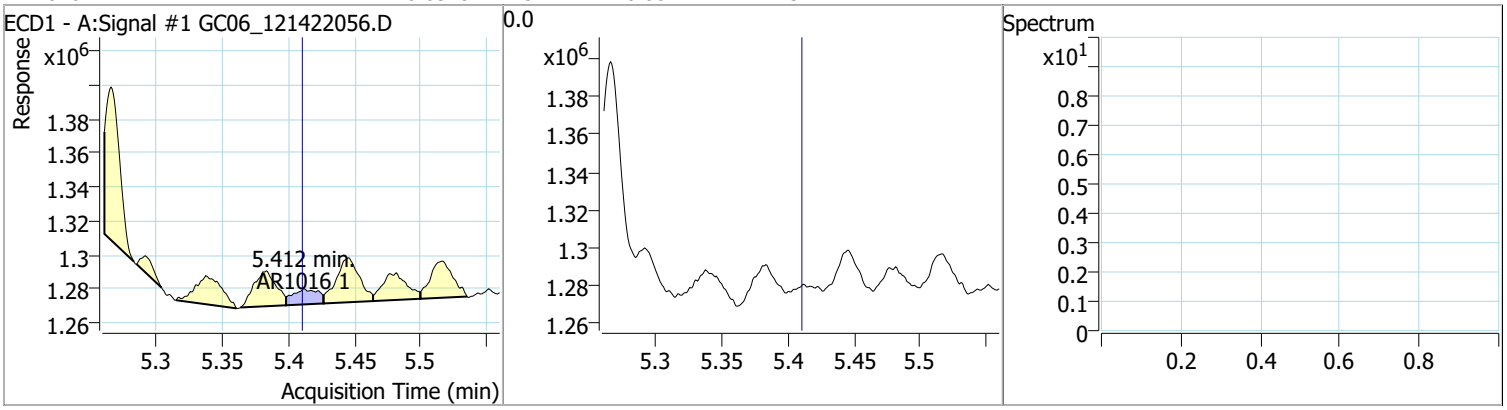
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.412	0.0	12131.718	10.6328	ng/ml	100
T AR1016 2	5.742	0.0	24707.572	0.0000	ng/ml	100
T AR1016 1 #2	6.001	0.0	441054.535	81.0828	ng/ml	100
T AR1016 3	6.203	0.0	267826.761	92.5830	ng/ml	100
T AR1016 4	6.344	0.0	108765.239	49.4349	ng/ml	100
T AR1016 2 #2	6.422	0.0	971099.059	123.6715	ng/ml	100
T AR1016 5	6.667	0.0	1550966.525	875.1927	ng/ml	100
T AR1016 3 #2	7.084	0.0	2898004.317	203.1179	ng/ml	100
T AR1016 4 #2	7.178	0.0	8993.384	0.8829	ng/ml	100
T AR1016 5 #2	7.320	0.0	195029.734	23.5559	ng/ml	100
T AR1260 1	8.733	0.0	446996.317	121.4842	ng/ml	100
T AR1260 2	9.395	0.0	3689.646	0.6579	ng/ml	100
T AR1260 3	9.613	0.0	114273.053	19.4947	ng/ml	100
T AR1260 1 #2	10.005	0.0	1451086.078	93.1641	ng/ml	100
T AR1260 4	10.151	0.0	369379.318	103.8673	ng/ml	100
T AR1260 2 #2	10.264	0.0	1802994.533	96.3425	ng/ml	100
T AR1260 3 #2	10.614	0.0	204457.608	8.6311	ng/ml	100
T AR1260 5	10.888	0.0	228410.127	16.9023	ng/ml	100
T AR1260 4 #2	11.171	0.0	157880.155	0.0000	ng/ml	100
T AR1260 5 #2	11.367	0.0	2149654.169	90.5389	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

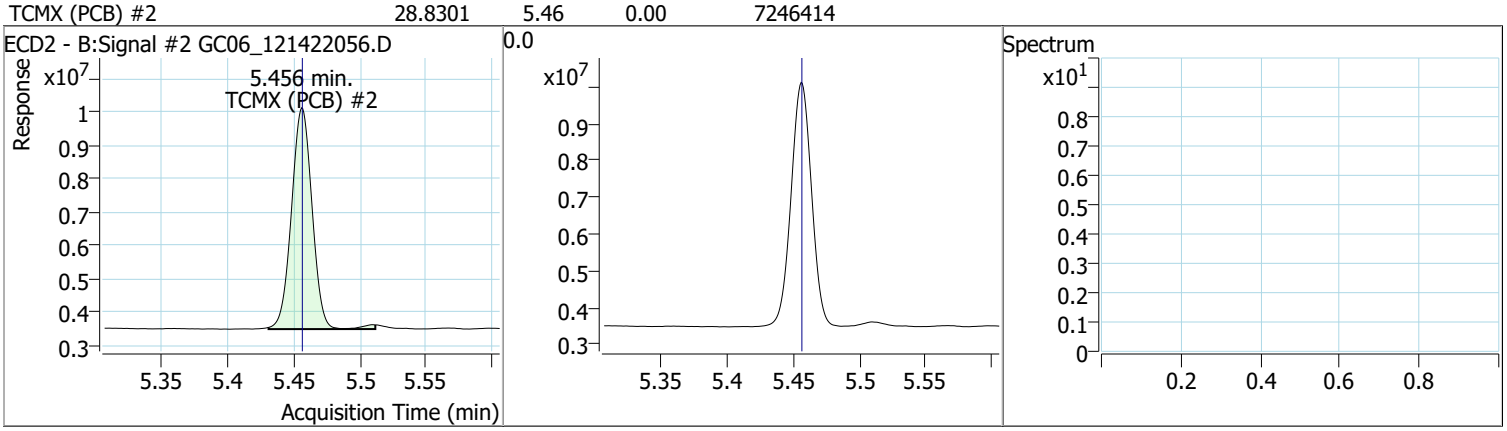
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	28.4223	5.06	0.00	1487110				



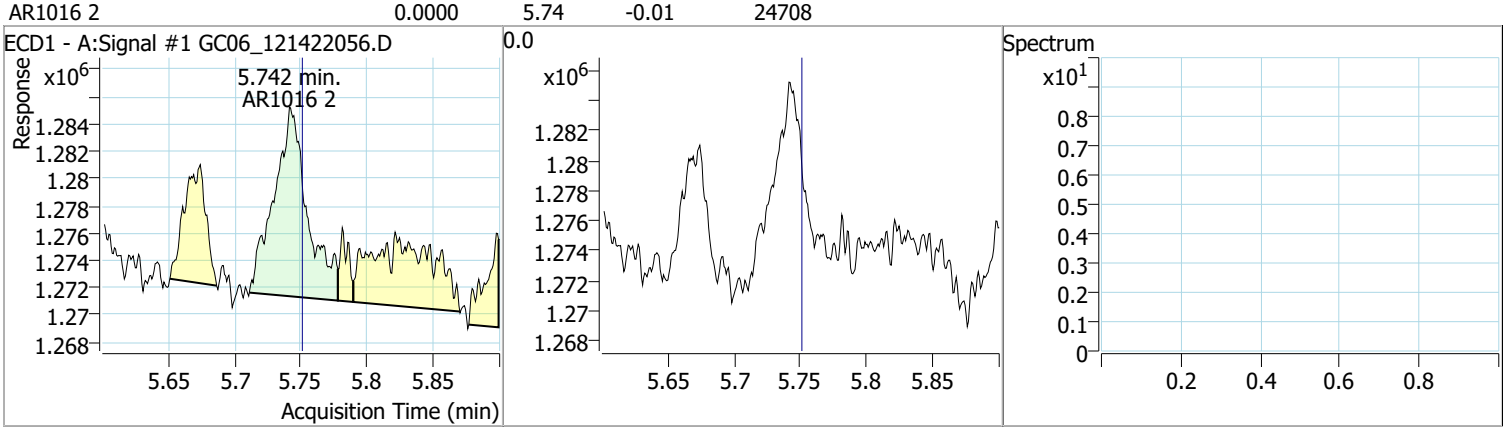
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	10.6328	5.41	0.00	12132				



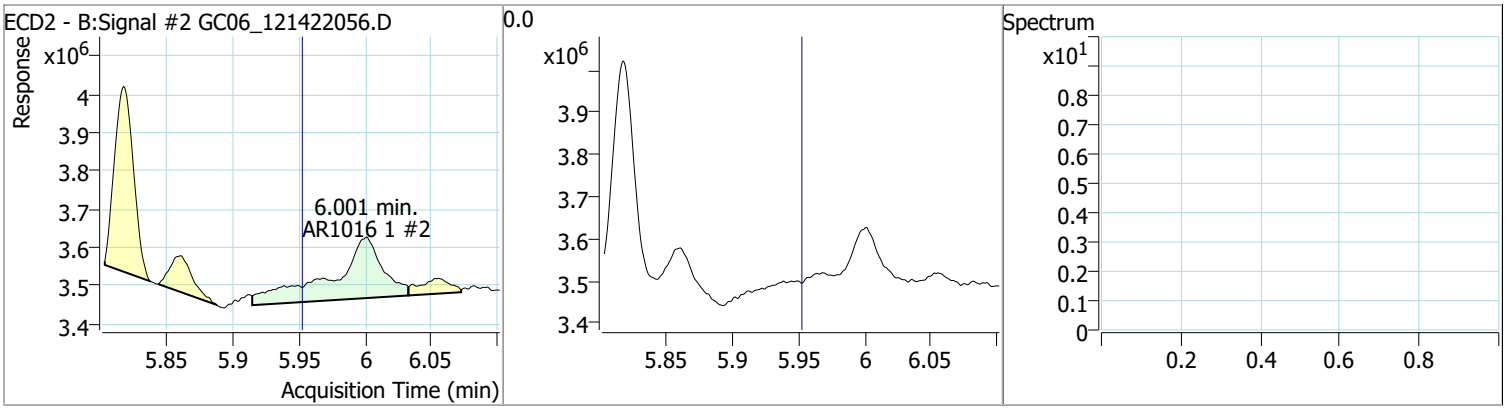
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	28.8301	5.46	0.00	7246414				



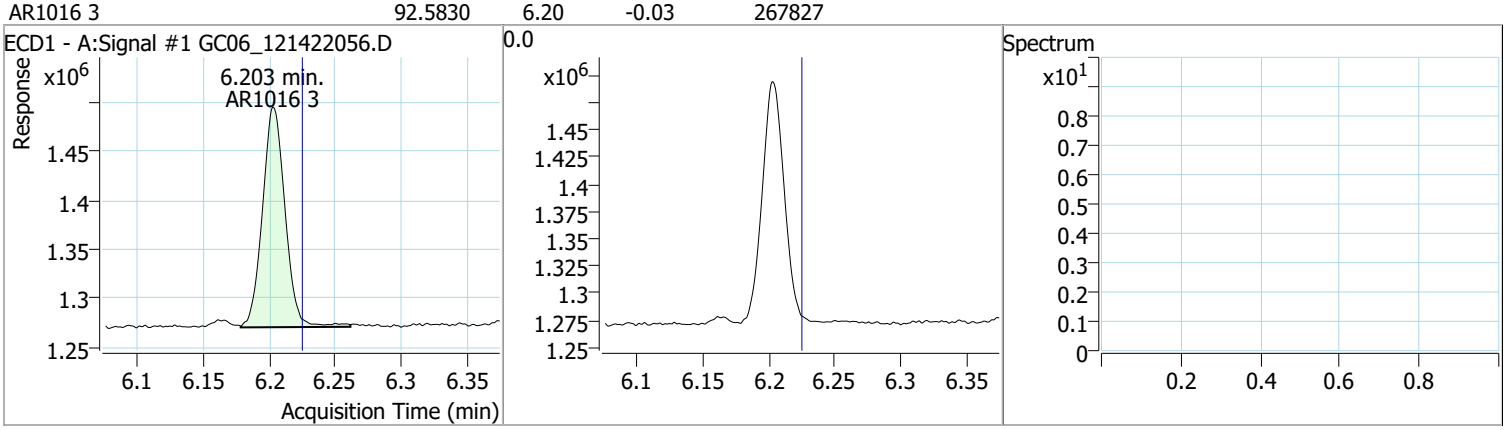
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.74	-0.01	24708				



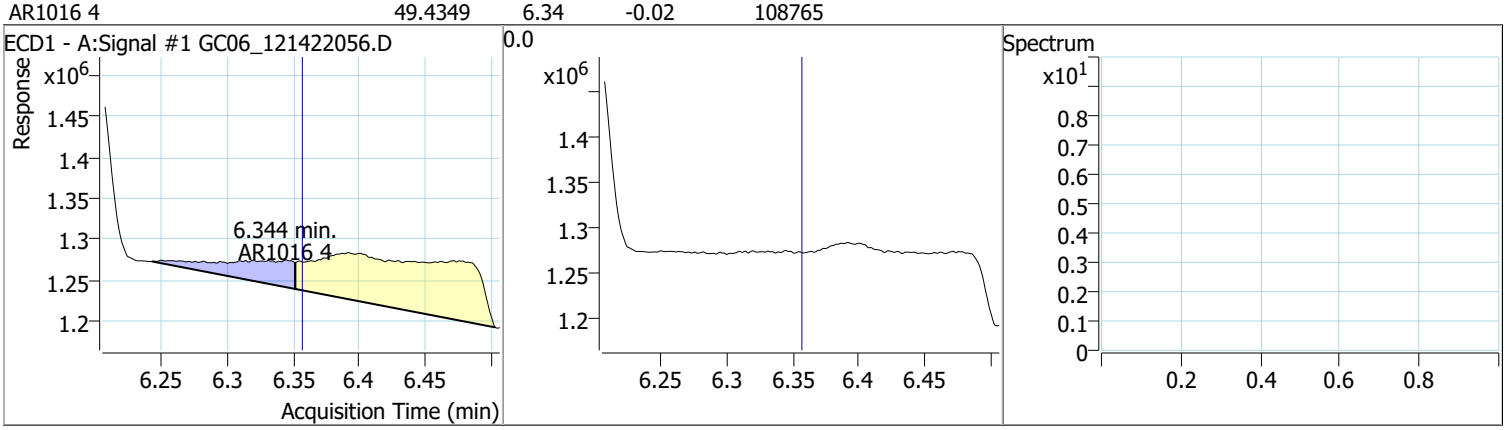
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	81.0828	6.00	0.05	441055				



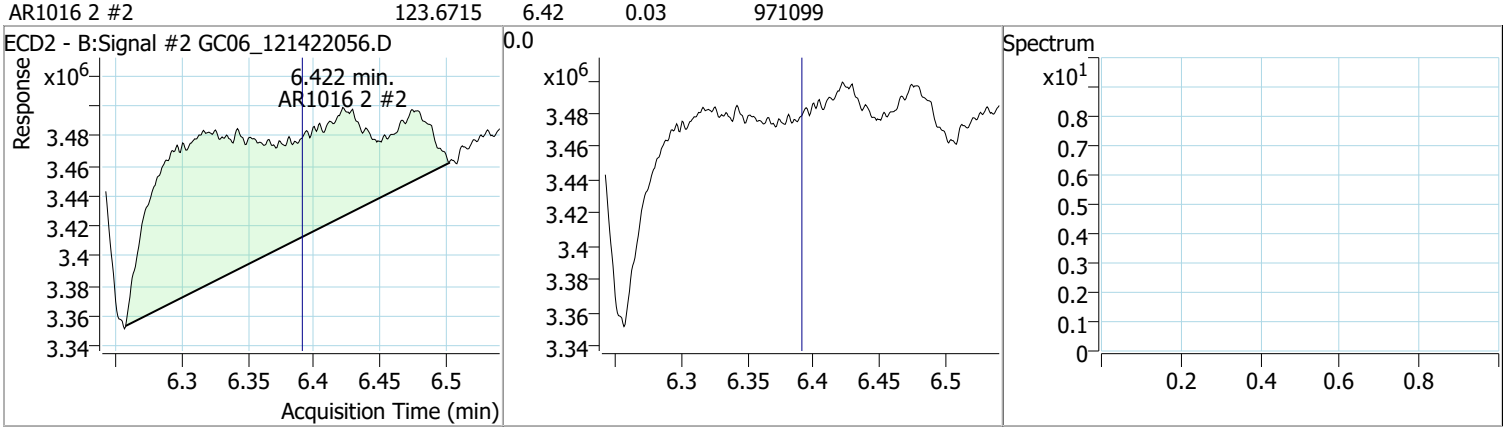
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	92.5830	6.20	-0.03	267827				



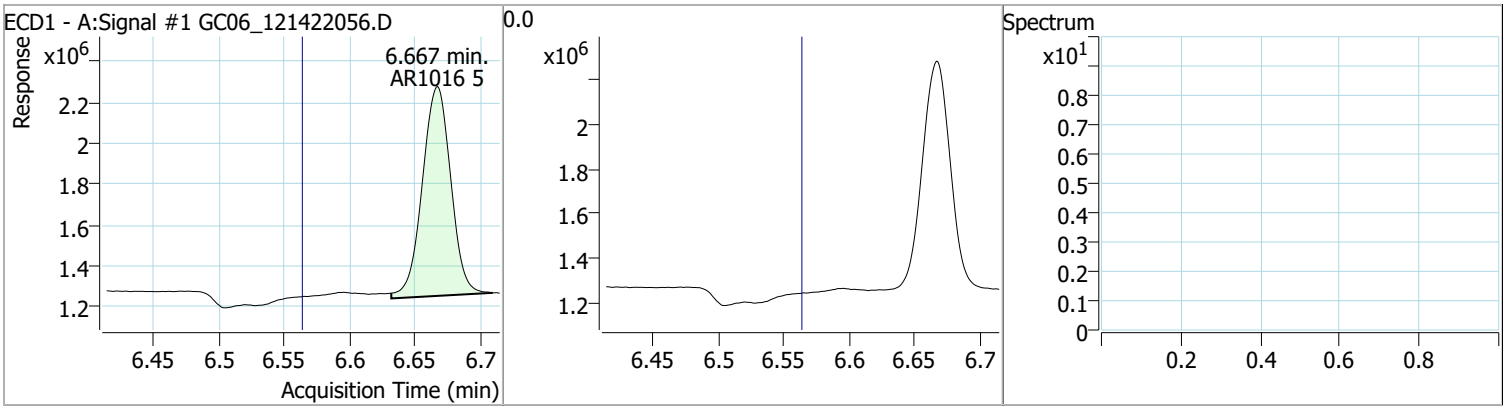
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	49.4349	6.34	-0.02	108765				



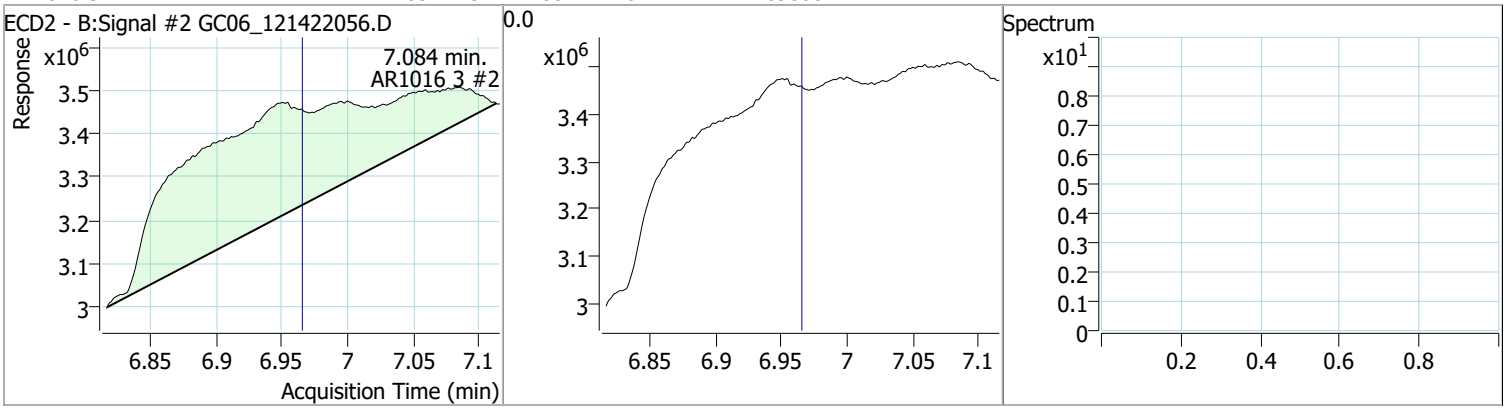
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	123.6715	6.42	0.03	971099				



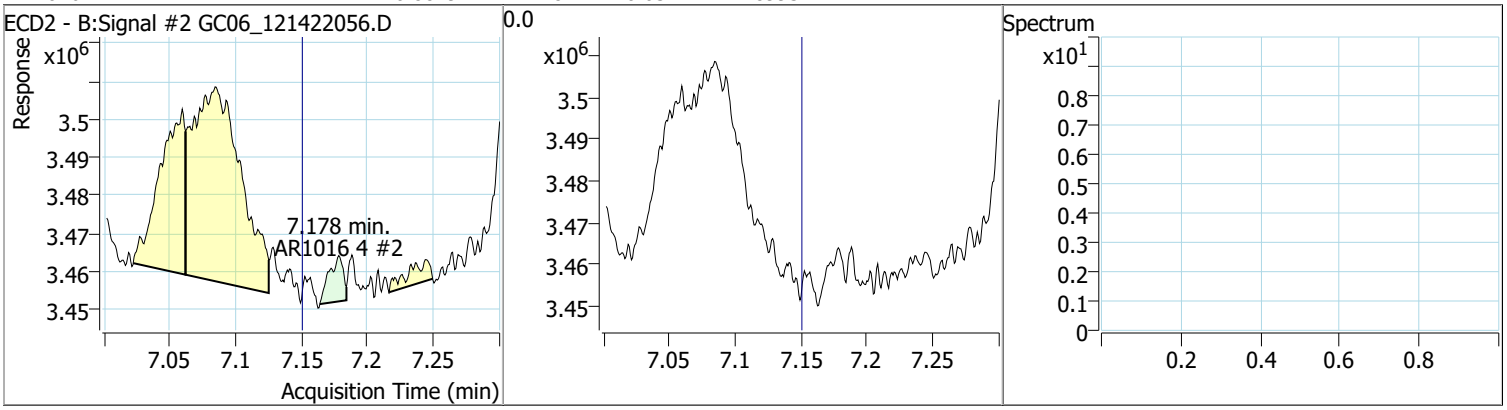
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	875.1927	6.67	0.10	1550967				



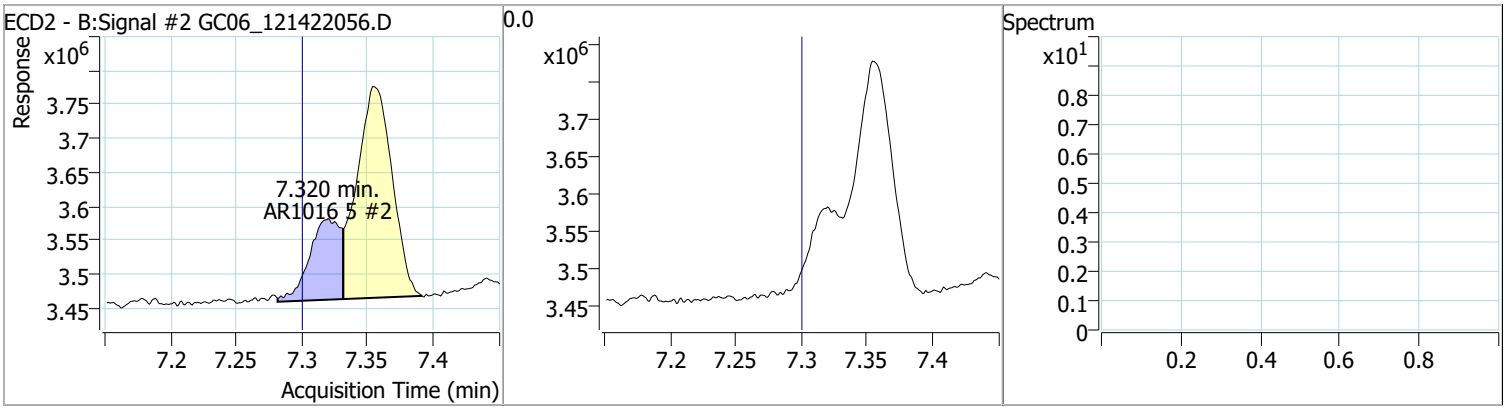
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	203.1179	7.08	0.12	2898004				



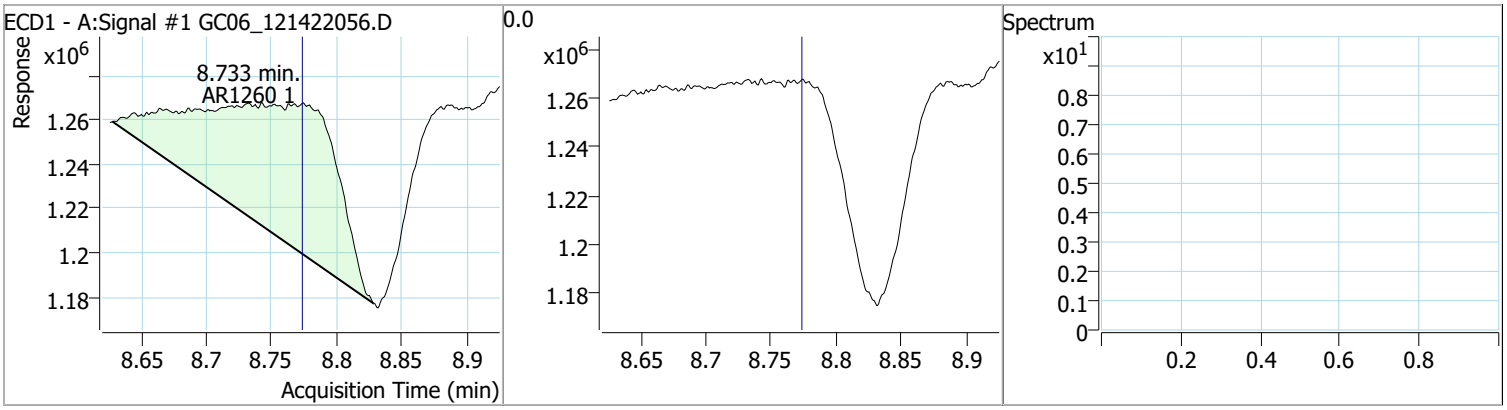
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.8829	7.18	0.03	8993				



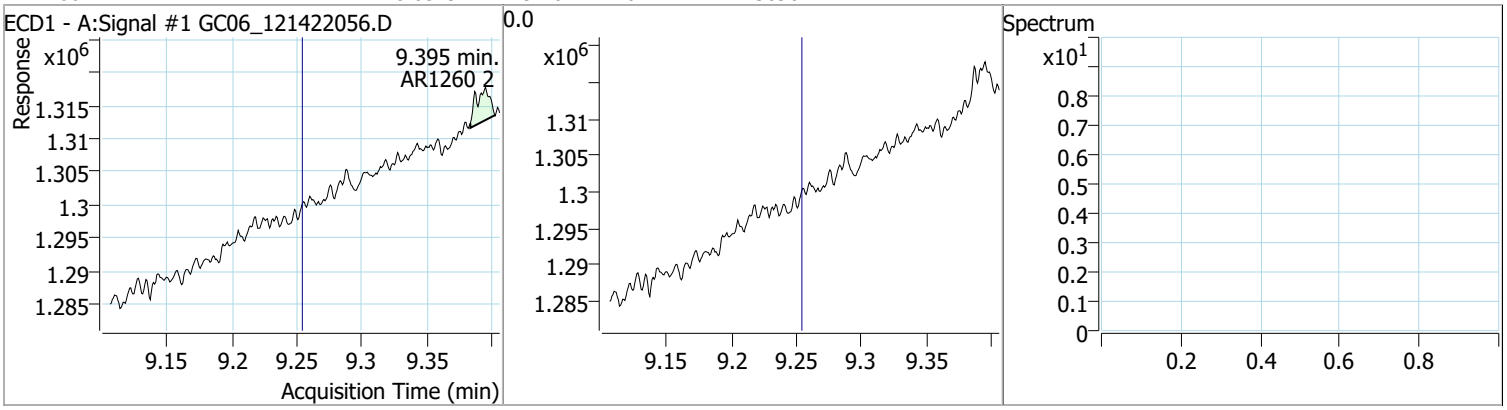
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	23.5559	7.32	0.02	195030				



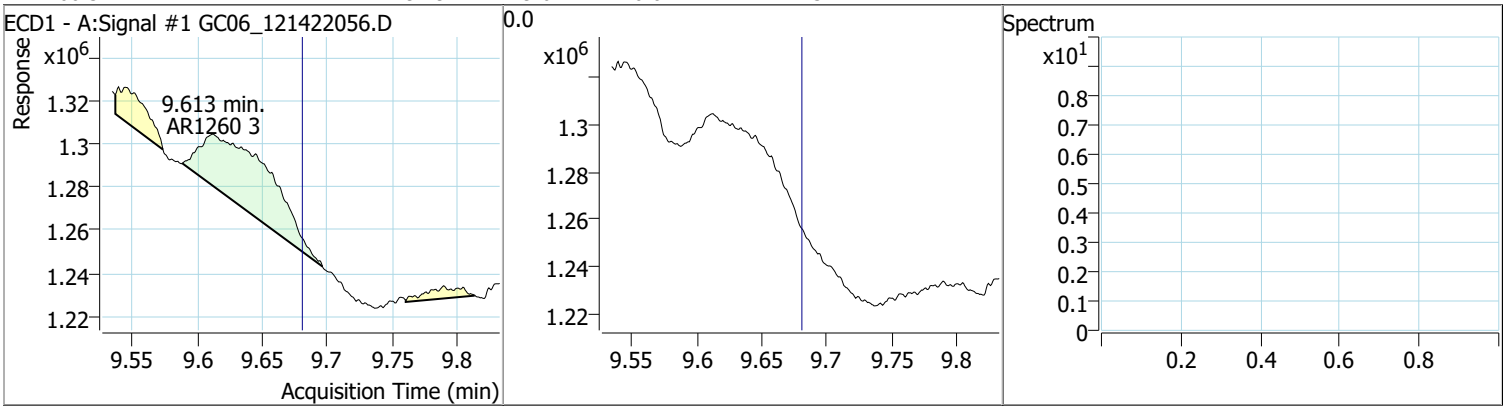
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	121.4842	8.73	-0.05	446996				



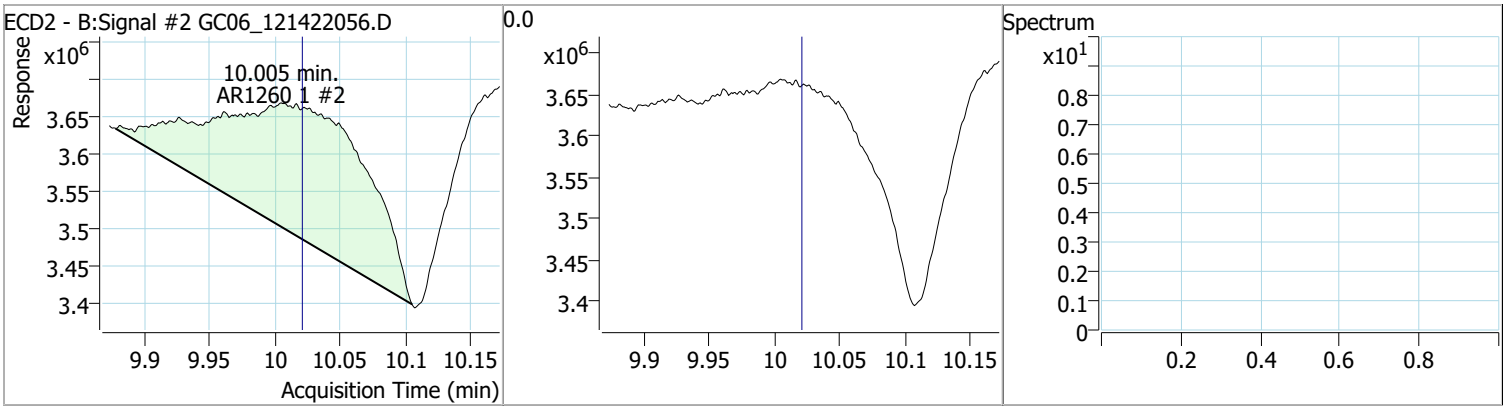
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.6579	9.40	0.14	3690				



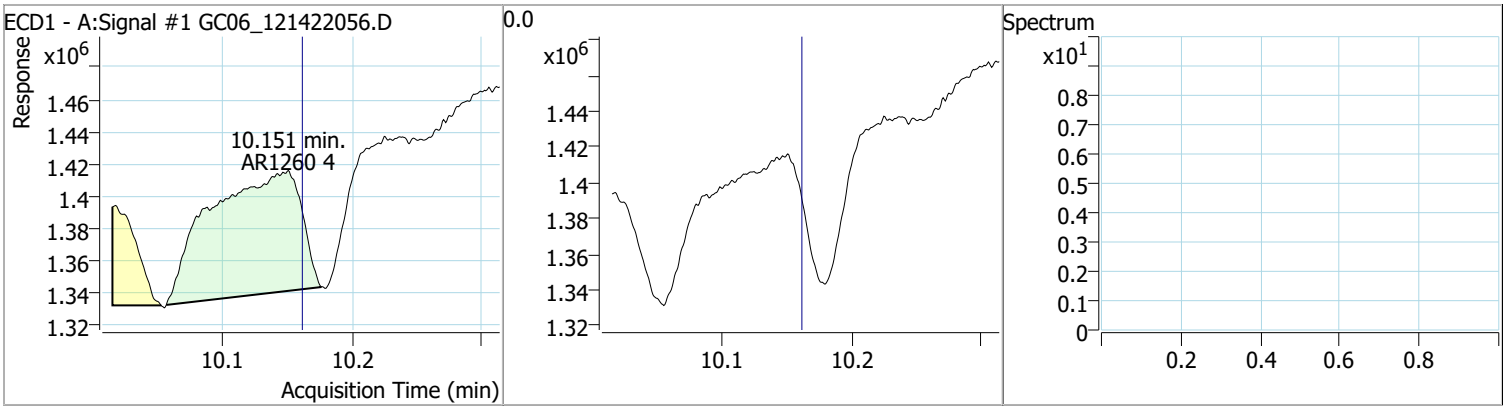
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	19.4947	9.61	-0.07	114273				



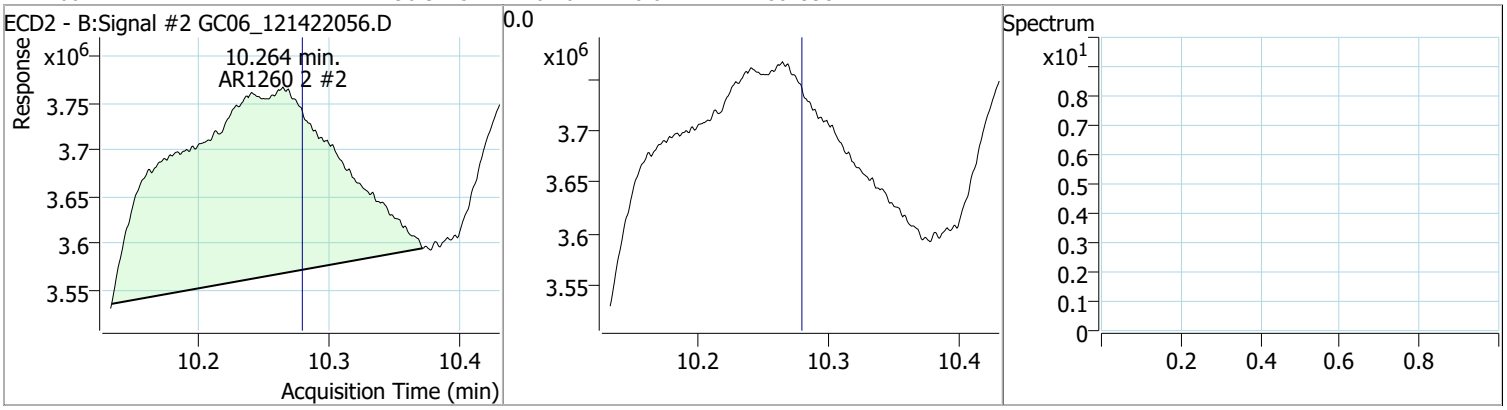
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	93.1641	10.01	-0.02	1451086				



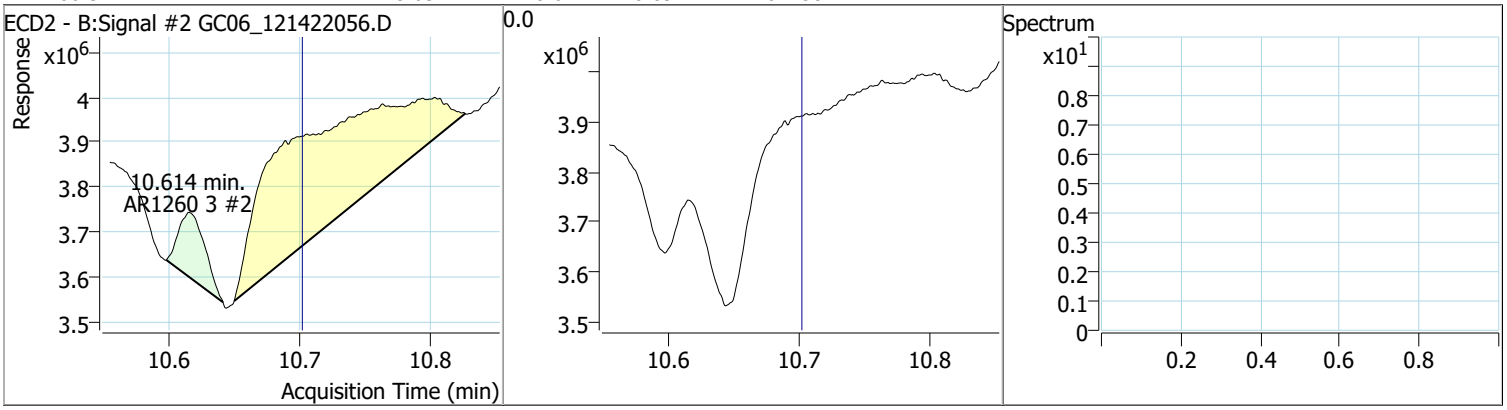
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	103.8673	10.15	-0.02	369379				



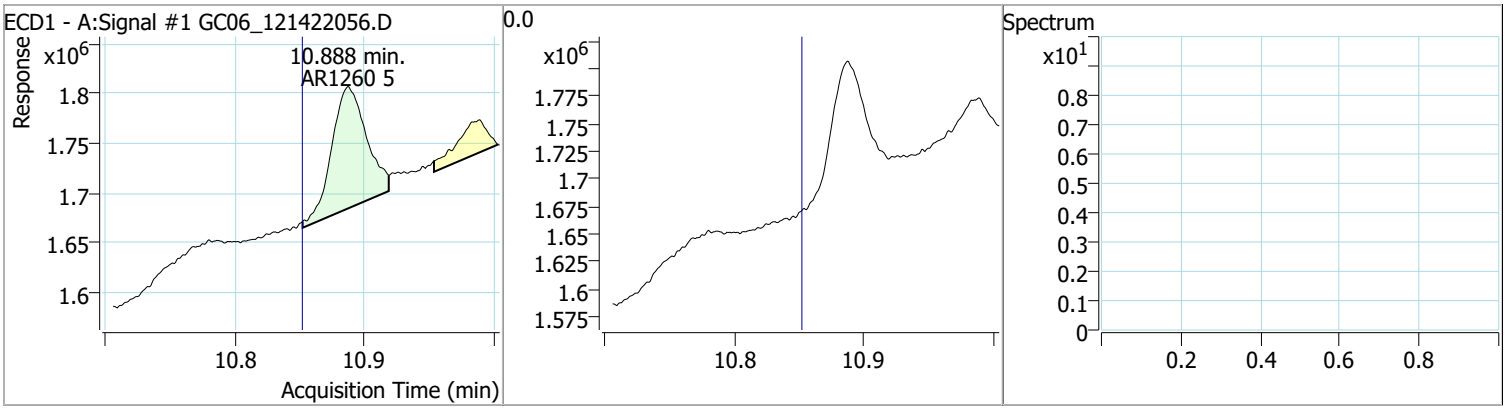
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	96.3425	10.26	-0.02	1802995				



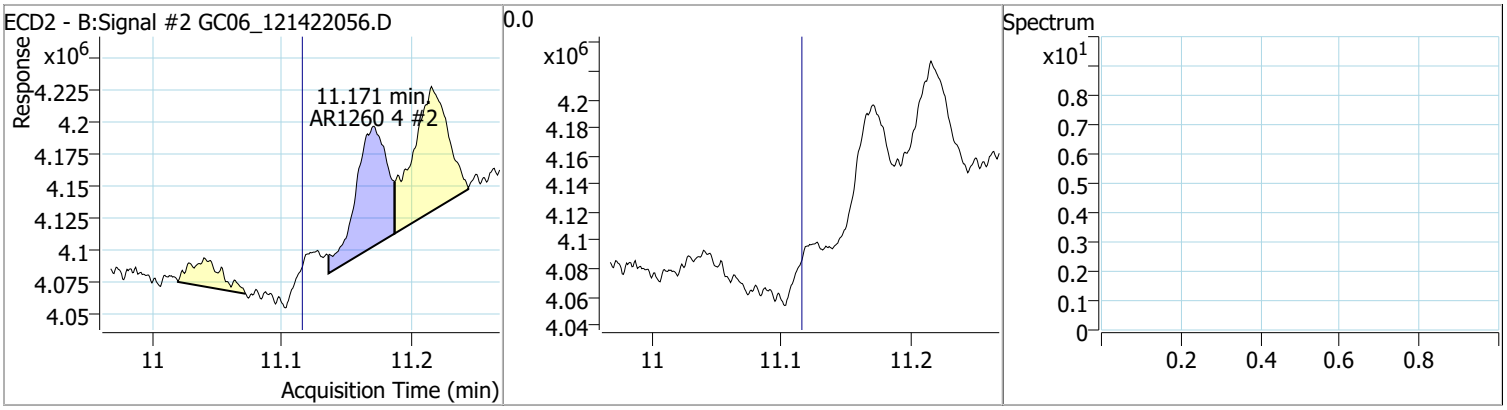
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	8.6311	10.61	-0.09	204458				



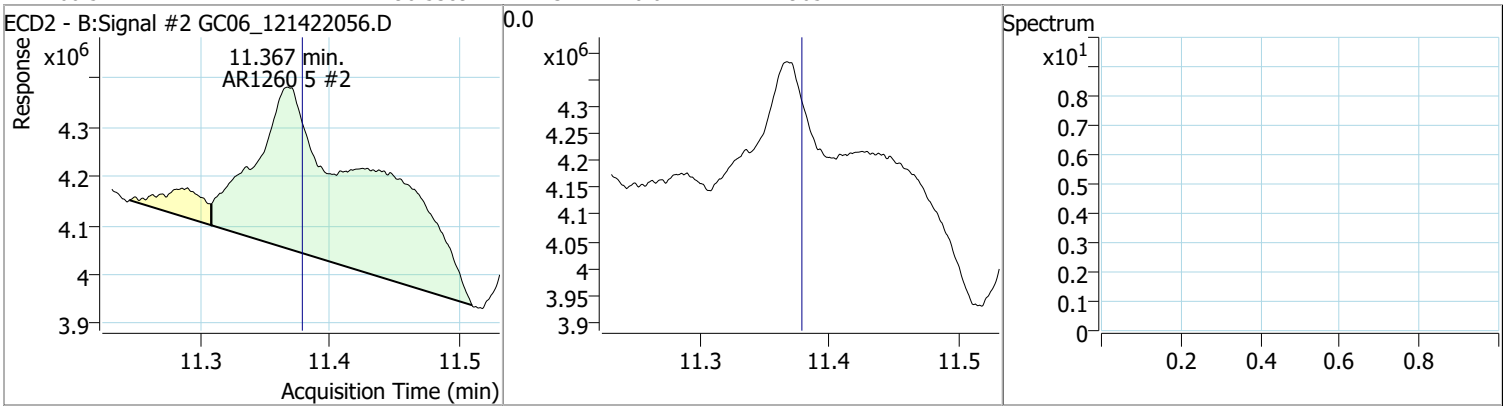
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	16.9023	10.89	0.03	228410				



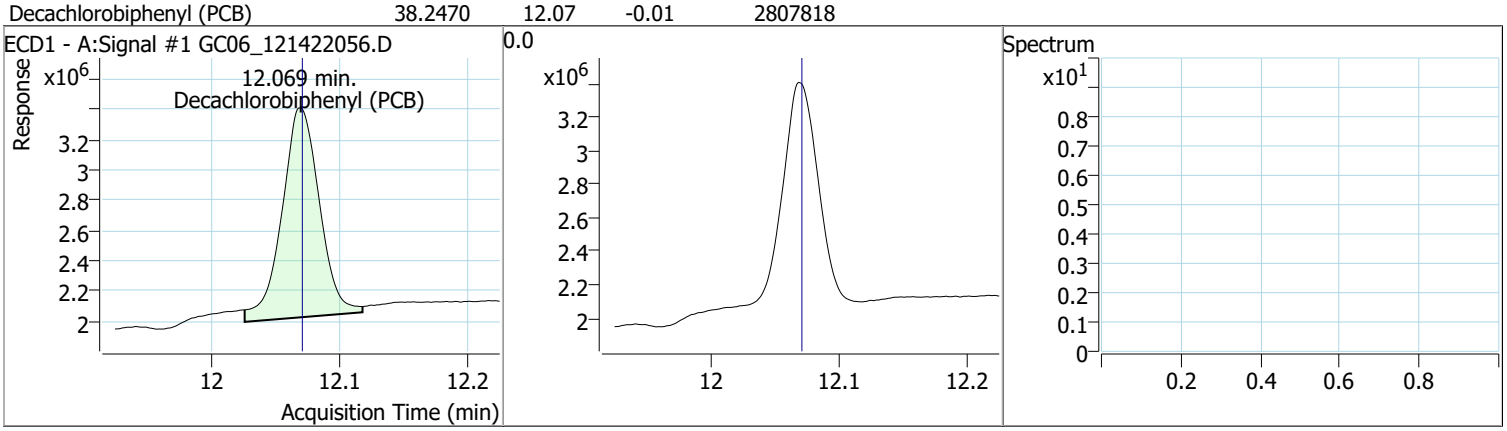
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.17	0.05	157880				



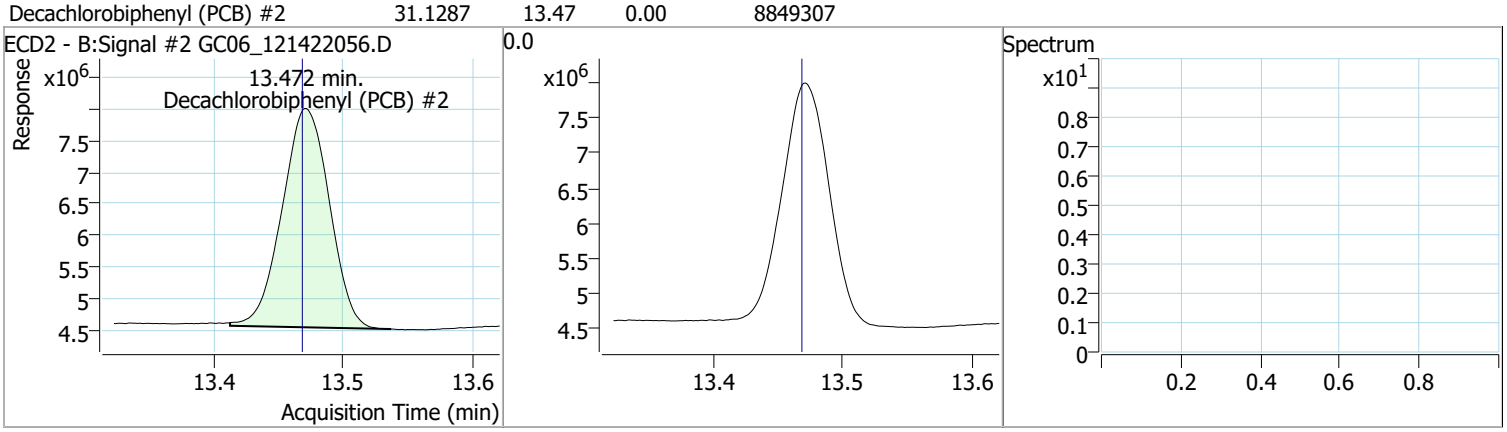
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	90.5389	11.37	-0.02	2149654				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	38.2470	12.07	-0.01	2807818				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	31.1287	13.47	0.00	8849307				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474713-004	Client ID:	ARCH-C5W-INT-4.5 TO 5.5-221209-P-WF
Seqnum:	452501809057	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422057	Batch:	303182	Time:	15-DEC-2022 05:11
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	262.6	~~2.6~~ ~~FP~~	3.9	38%	0.50		x u
Aroclor-1016 Peak # 1	B	980.2	9.80	9.47	3%			
Aroclor-1016 Peak # 2	B	101.7	1.02	ND	216%			
Aroclor-1016 Peak # 3	B	182.4	1.82	1.35	30%			
Aroclor-1016 Peak # 4	B	24.79	0.25	2.66	166%			
Aroclor-1016 Peak # 5	B	23.75	0.24	5.85	184%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	32.94	ND	0.48	36%	0.50		u
Aroclor-1260 Peak # 1	B	22.51	0.23	1.00	127%			
Aroclor-1260 Peak # 2	B	74.34	0.74	ND				
Aroclor-1260 Peak # 3	B	8.628	0.09	0.16	63%			
Aroclor-1260 Peak # 4	B	-12.92	ND	0.93	264%			
Aroclor-1260 Peak # 5	B	72.14	0.72	0.28	88%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	25.50	0.5000	0.2550	51	19-121	u
Decachlorobiphenyl (PCB)	B	26.17	0.5000	0.2617	52	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422036)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5560467	5875509	5.67
1-bromo-2-nitrobenzene (PCB)	A	1170615	1195568	2.13

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

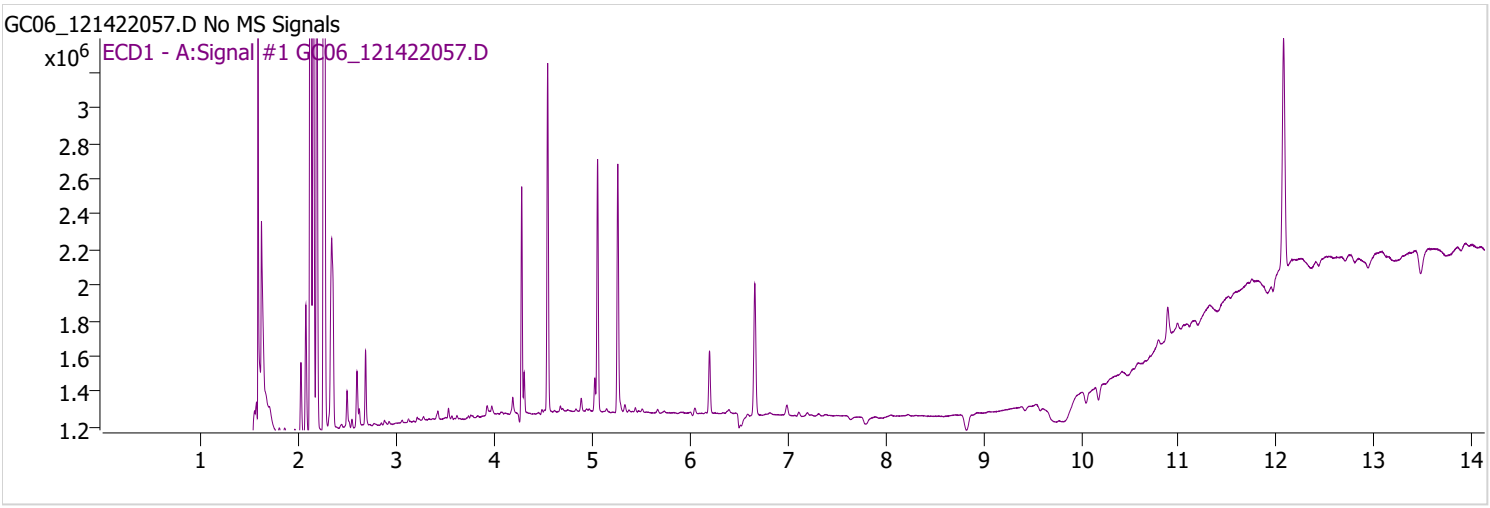
ISTD (CCV gc06_121422036)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

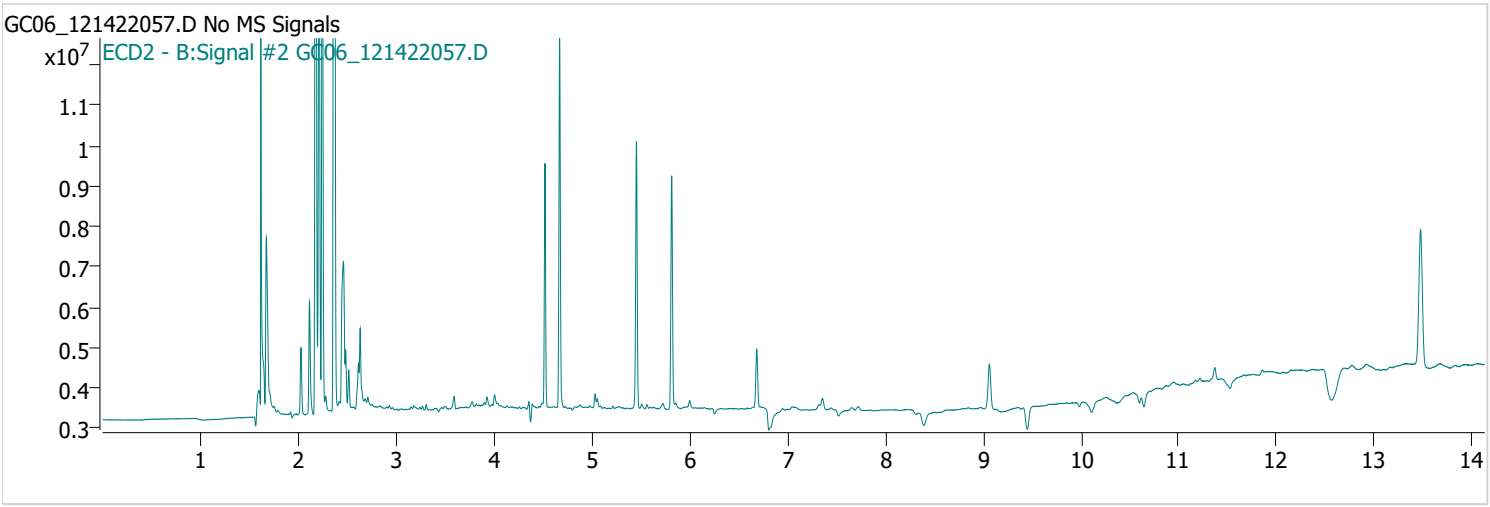
Analyst: MES 12/15/22

Reviewer: LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422057.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 5:11:21 AM
Sample Name	474713-004, 303182, 1	Instrument	SVOA-GC06
Vial	40	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



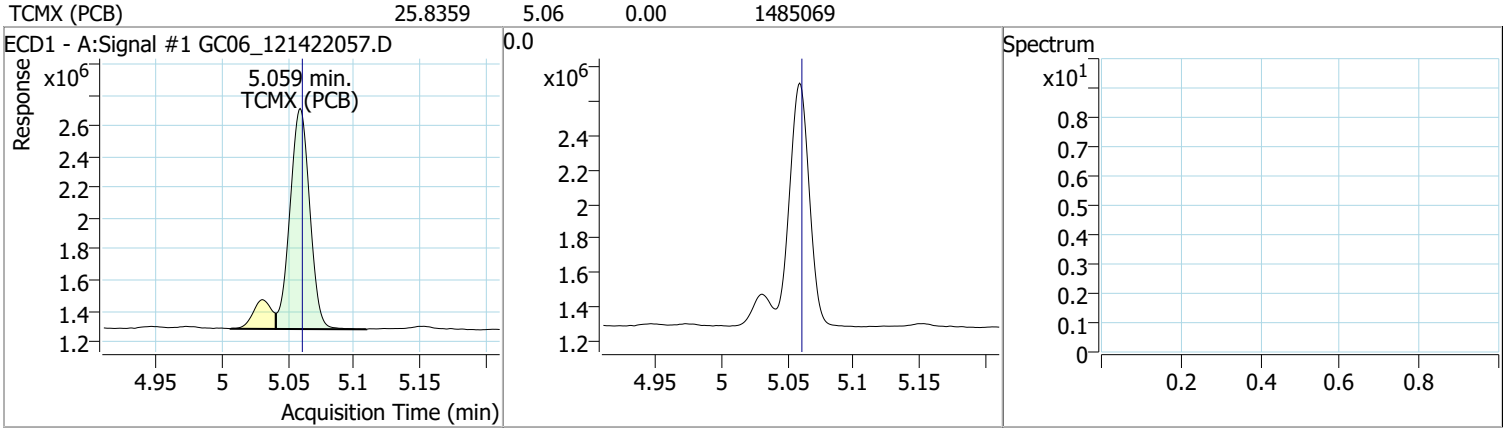


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.283	0.0	1195568.315	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	5875509.447	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.059	0.0	1485068.866	25.8359	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 129.18%			
S TCMX (PCB) #2	5.456	0.0	7194434.002	25.4969	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 127.48%			
S Decachlorobiphenyl (PCB)	12.070	0.0	2795283.365	34.2536	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 171.27%		*	
S Decachlorobiphenyl (PCB) #2	13.470	0.0	8452577.675	26.1703	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 130.85%			
Target Compounds							QValue

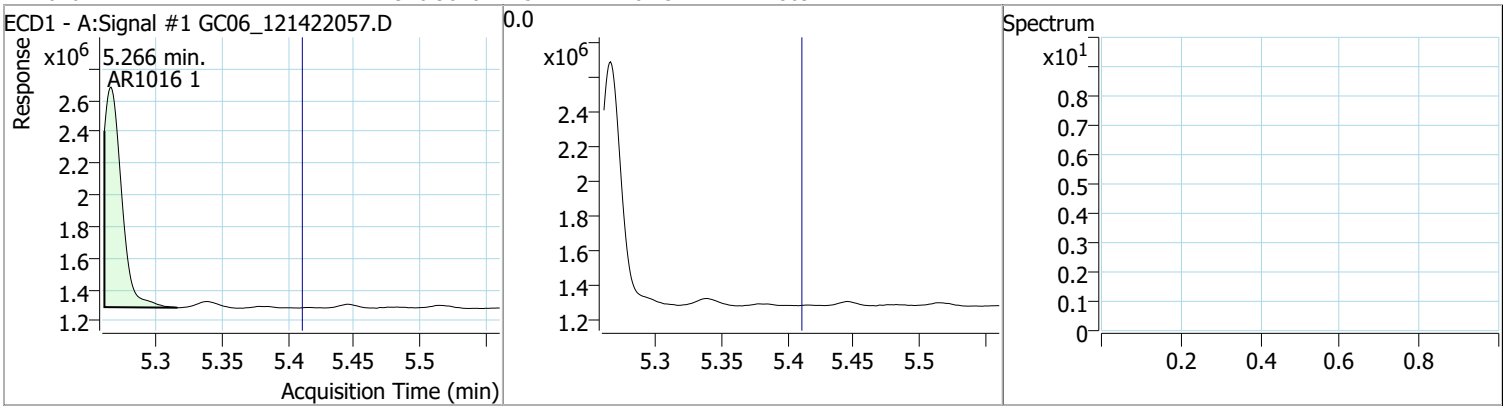
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.266	0.0	1186910.924	946.9020	ng/ml	100
T AR1016 2	5.741	0.0	28520.691	0.0000	ng/ml	100
T AR1016 1 #2	5.817	0.0	5985720.251	980.2140	ng/ml	100
T AR1016 3	6.203	0.0	429558.693	135.1643	ng/ml	100
T AR1016 4	6.402	0.0	642870.341	265.9676	ng/ml	100
T AR1016 2 #2	6.425	0.0	896848.228	101.7403	ng/ml	100
T AR1016 5	6.666	0.0	1138483.079	584.7764	ng/ml	100
T AR1016 3 #2	7.052	0.0	2922214.629	182.4439	ng/ml	100
T AR1016 4 #2	7.052	0.0	283425.712	24.7864	ng/ml	100
T AR1016 5 #2	7.322	0.0	220708.883	23.7458	ng/ml	100
T AR1260 1	8.767	0.0	404696.787	100.1169	ng/ml	100
T AR1260 2	0.000		0	N.D.		
T AR1260 3	9.609	0.0	106227.751	16.4958	ng/ml	100
T AR1260 1 #2	10.020	0.0	393562.889	22.5080	ng/ml	100
T AR1260 4	10.143	0.0	369202.917	93.1079	ng/ml	100
T AR1260 2 #2	10.259	0.0	1561824.144	74.3402	ng/ml	100
T AR1260 3 #2	10.615	0.0	229434.470	8.6276	ng/ml	100
T AR1260 5	10.888	0.0	330804.134	28.0438	ng/ml	100
T AR1260 4 #2	11.168	0.0	156698.638	0.0000	ng/ml	100
T AR1260 5 #2	11.368	0.0	2006762.900	72.1461	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

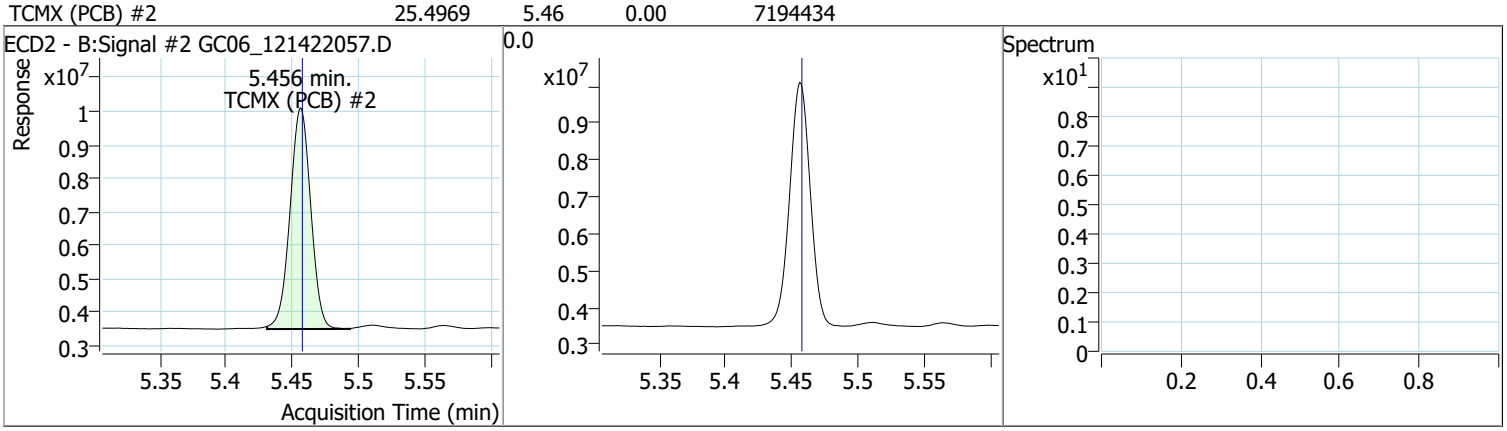
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	25.8359	5.06	0.00	1485069				



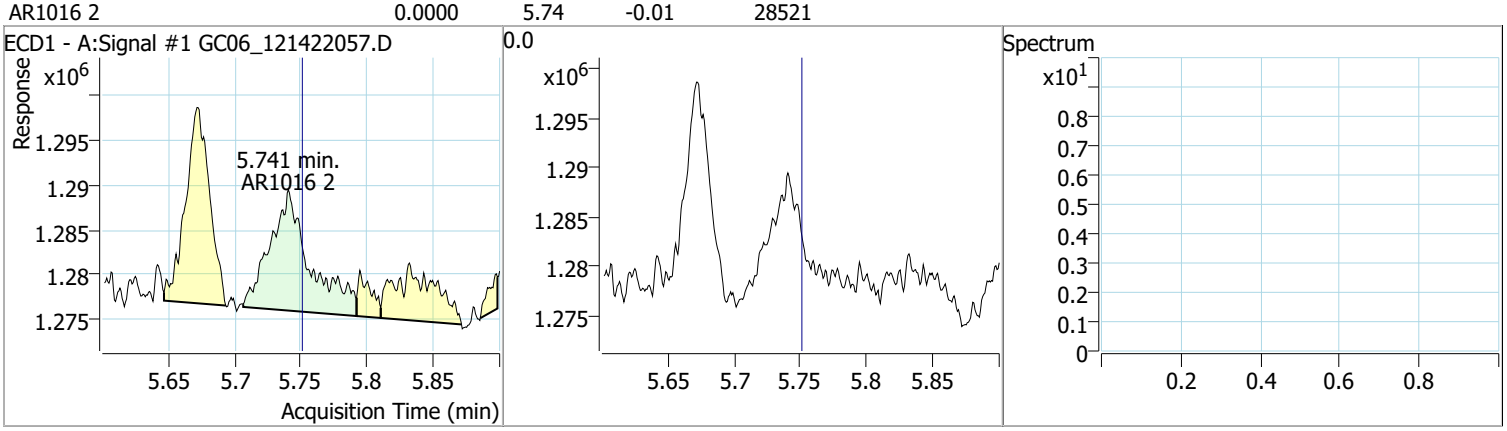
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	946.9020	5.27	-0.15	1186911				



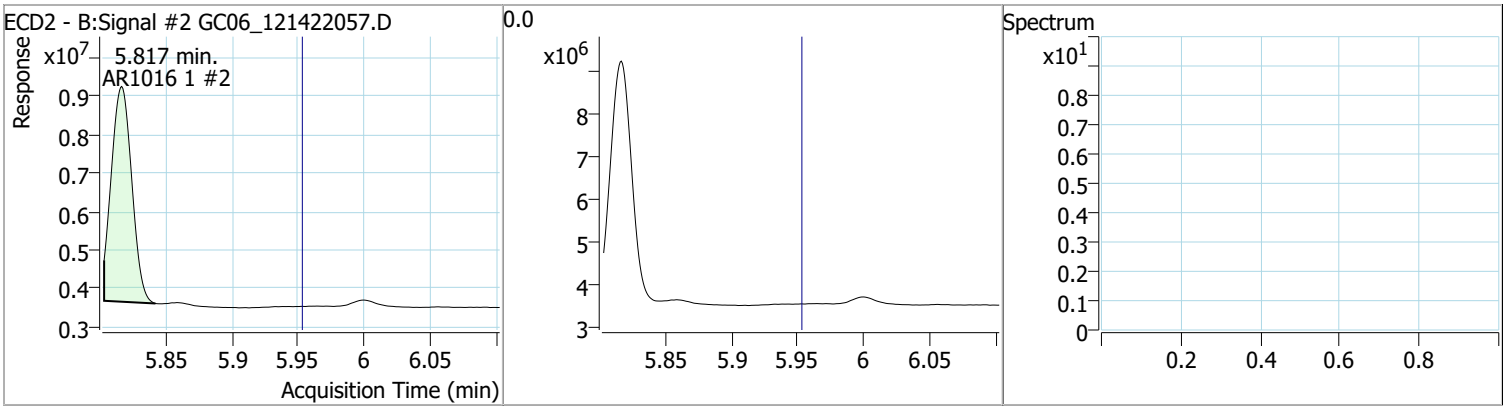
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	25.4969	5.46	0.00	7194434				



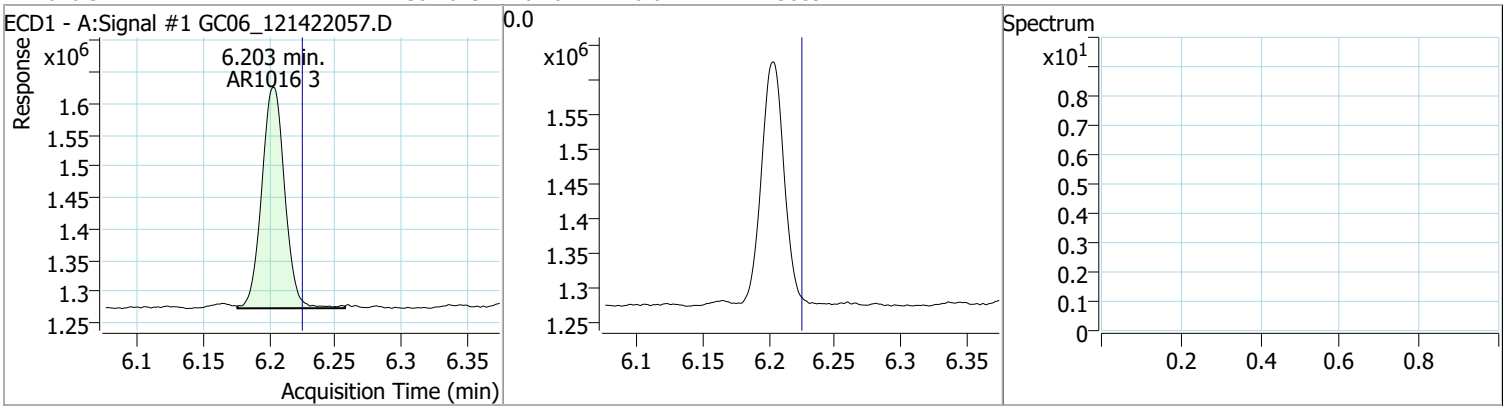
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.74	-0.01	28521				



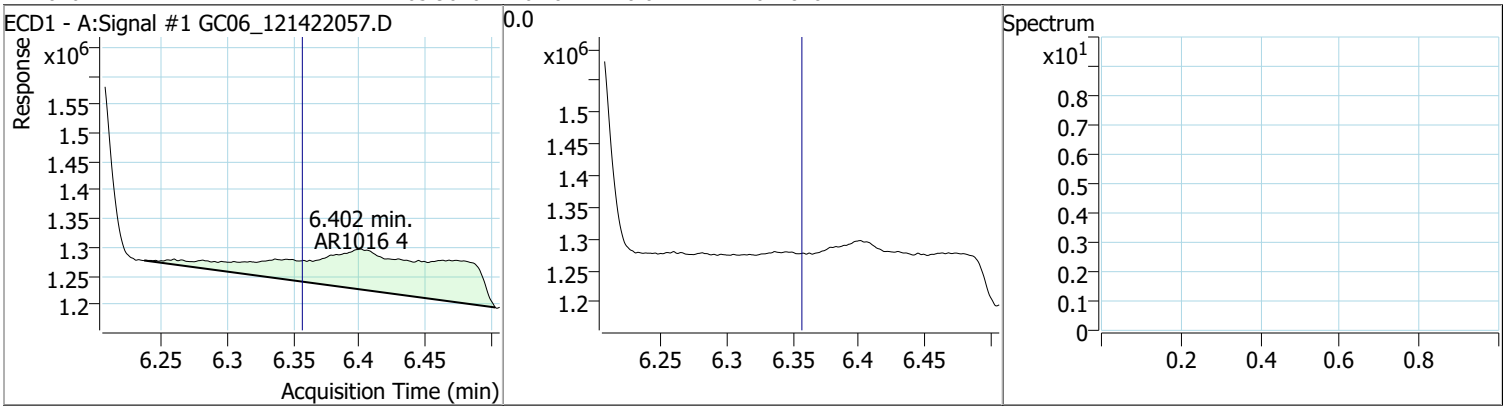
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	980.2140	5.82	-0.14	5985720				



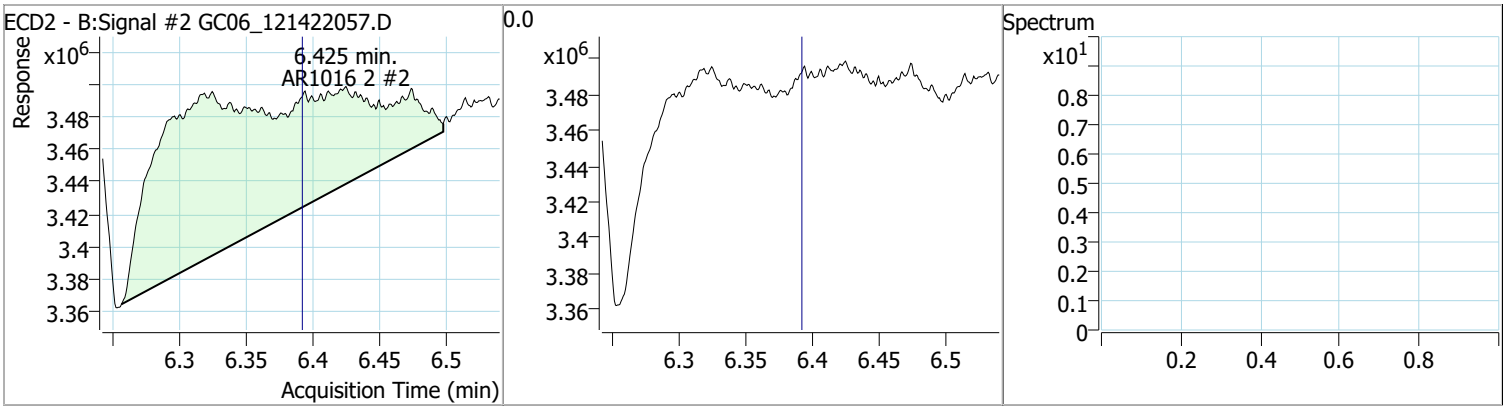
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	135.1643	6.20	-0.02	429559				



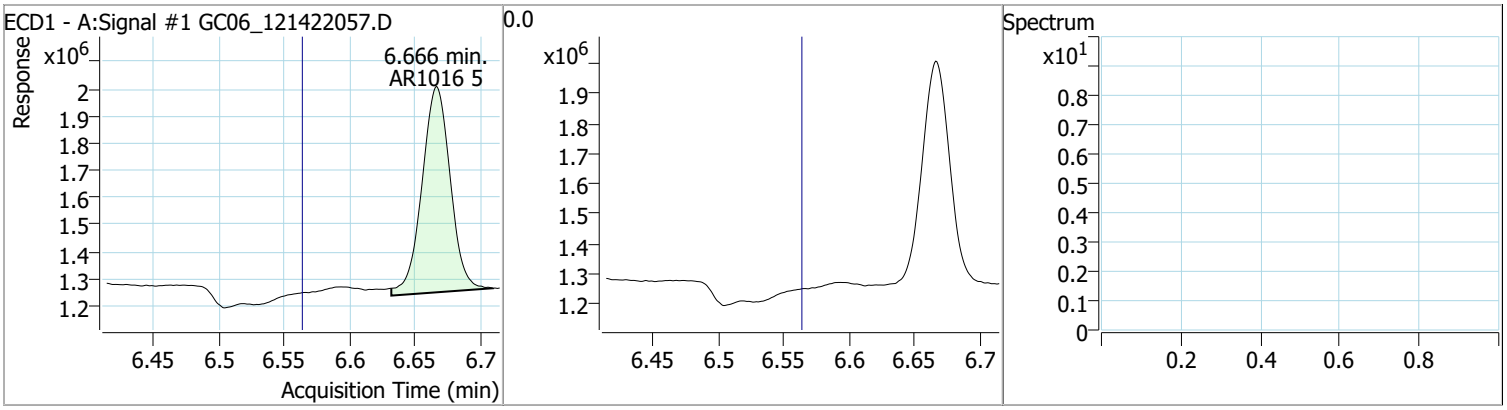
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	265.9676	6.40	0.04	642870				



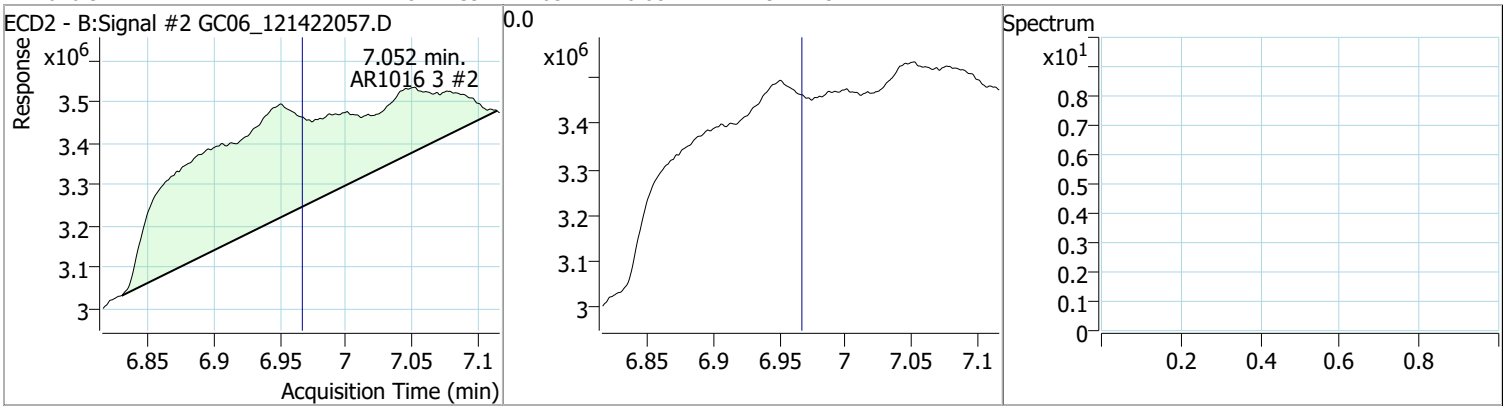
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	101.7403	6.43	0.03	896848				



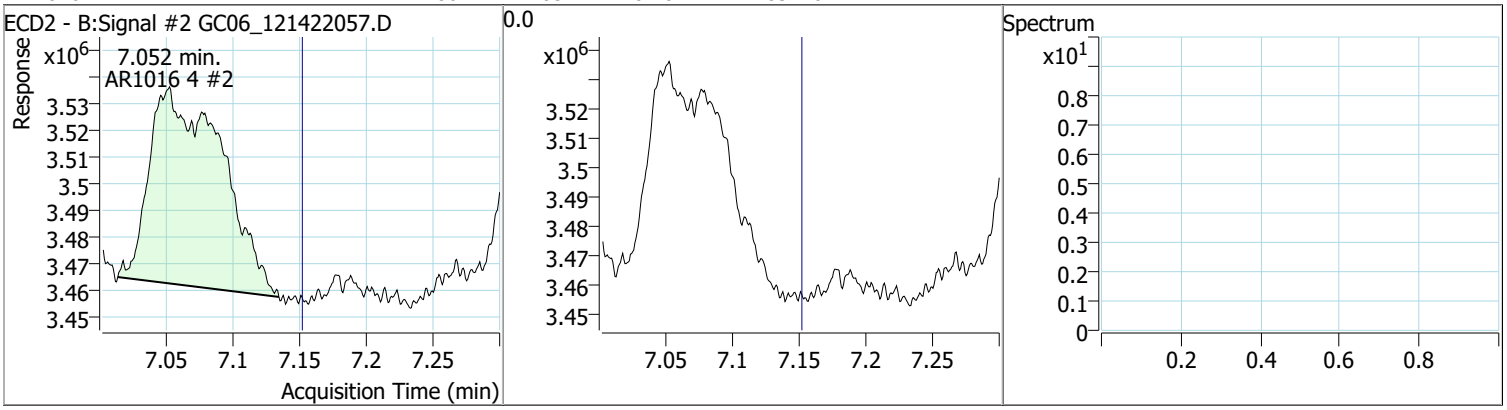
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	584.7764	6.67	0.10	1138483				



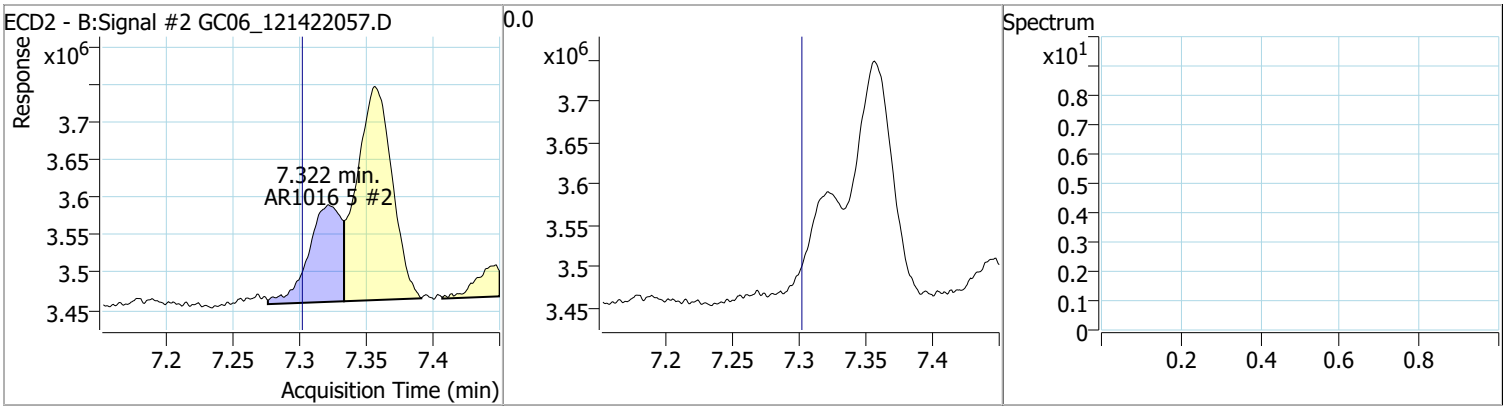
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	182.4439	7.05	0.08	2922215				



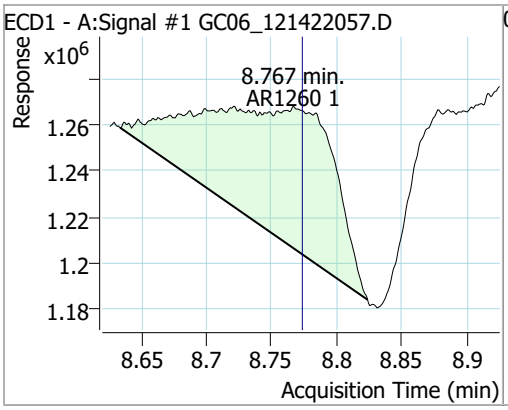
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	24.7864	7.05	-0.10	283426				

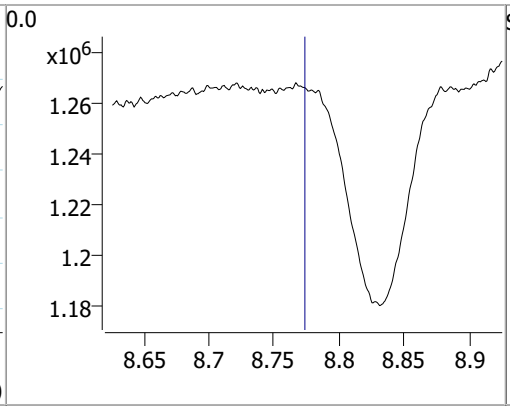


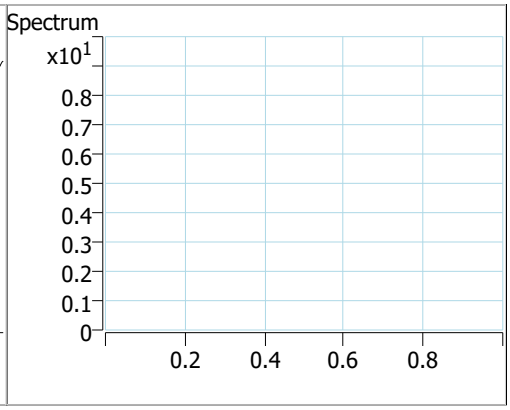
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	23.7458	7.32	0.02	220709				



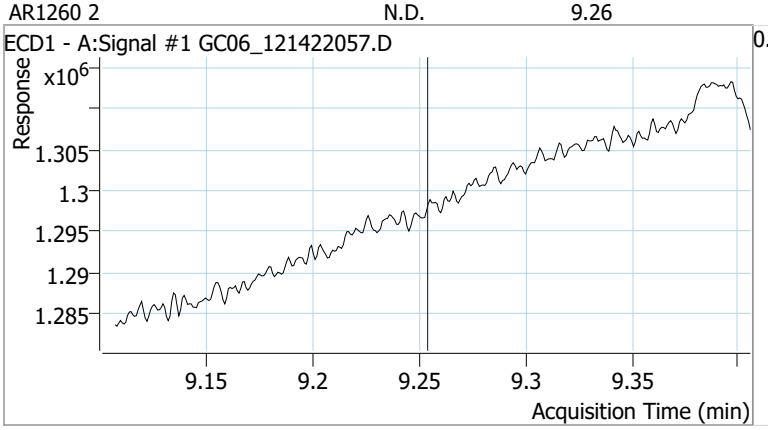
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	100.1169	8.77	-0.01	404697				

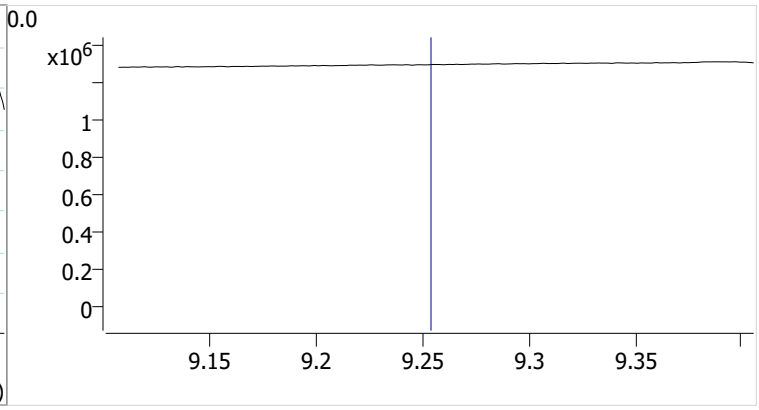




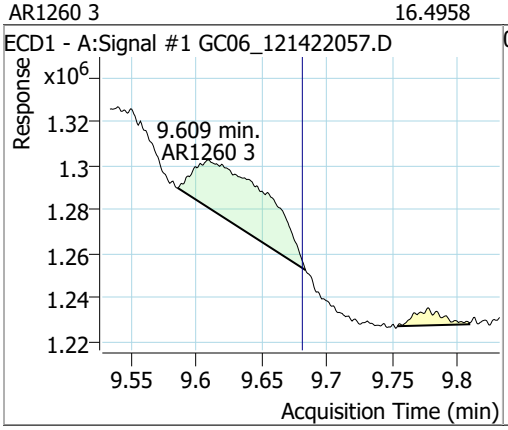


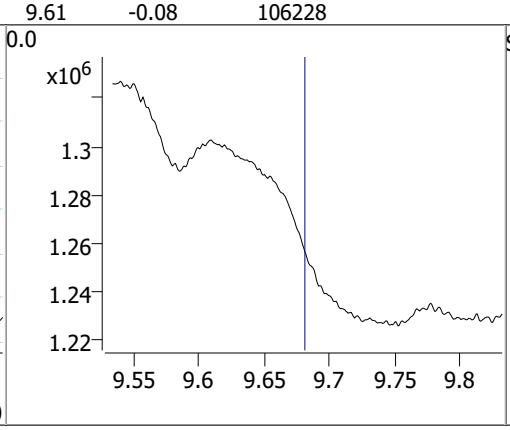
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 2	N.D.	9.26		

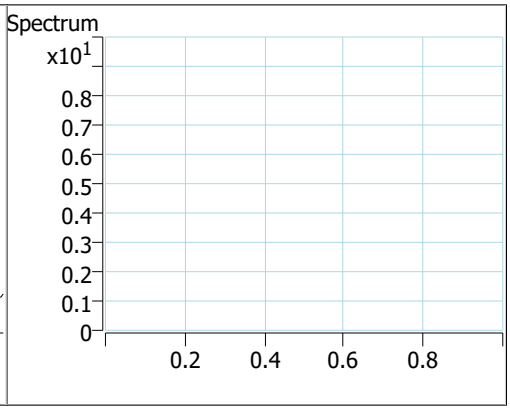




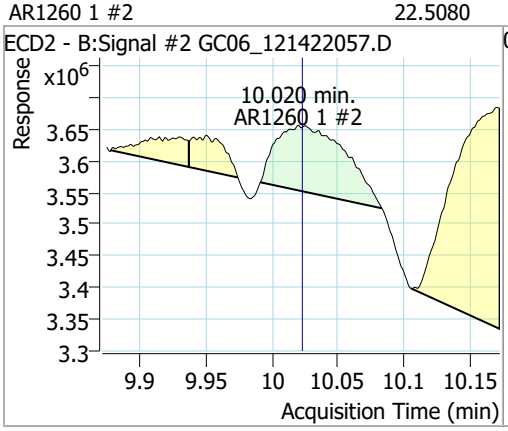
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	16.4958	9.61	-0.08	106228				

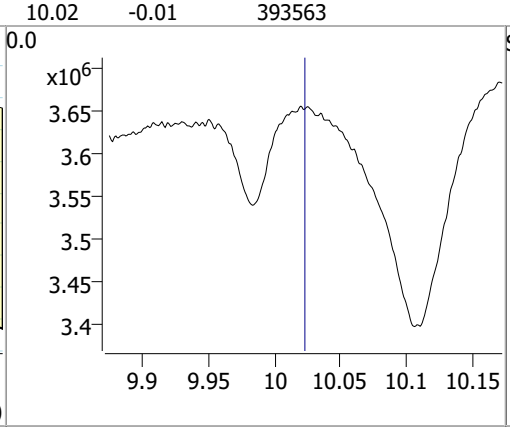


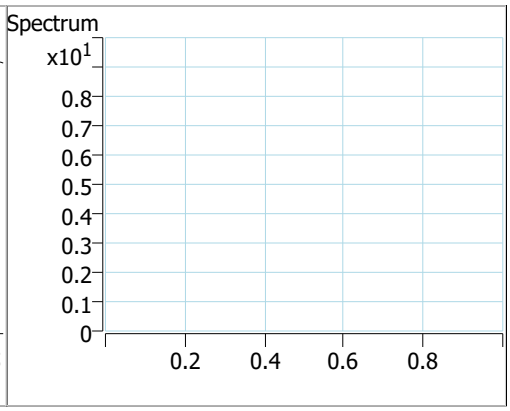




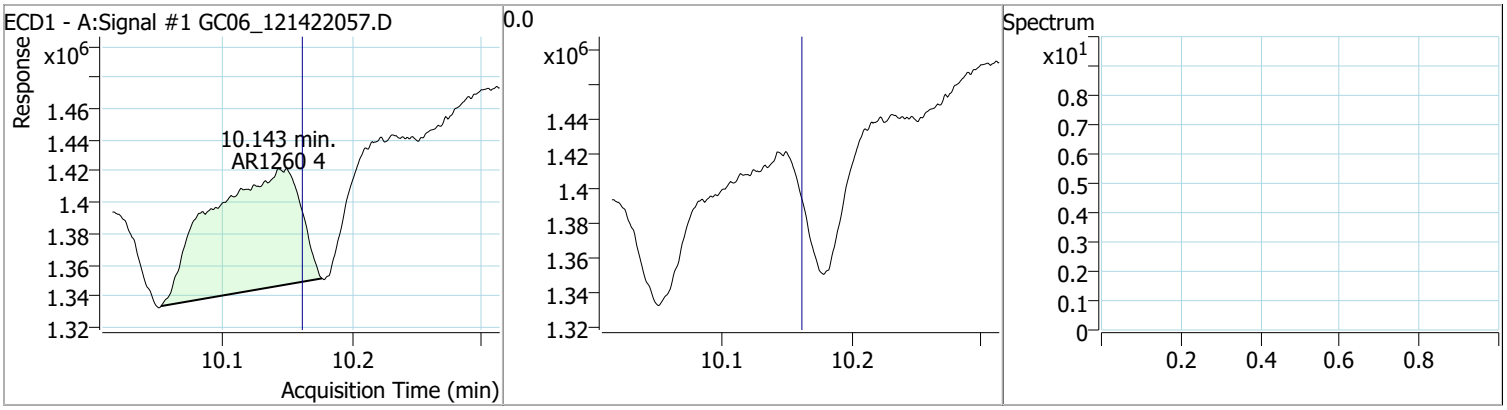
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	22.5080	10.02	-0.01	393563				



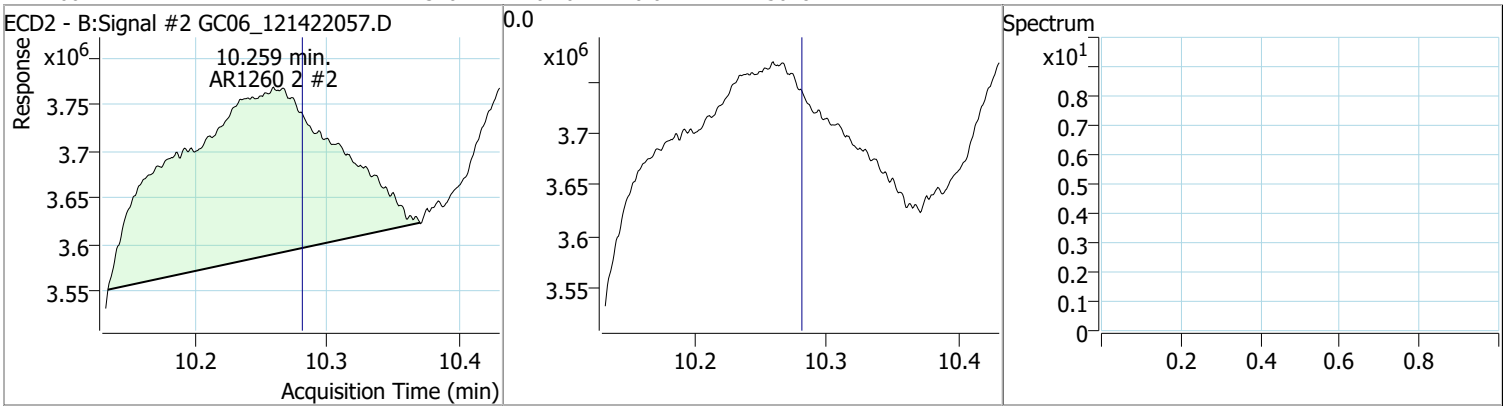




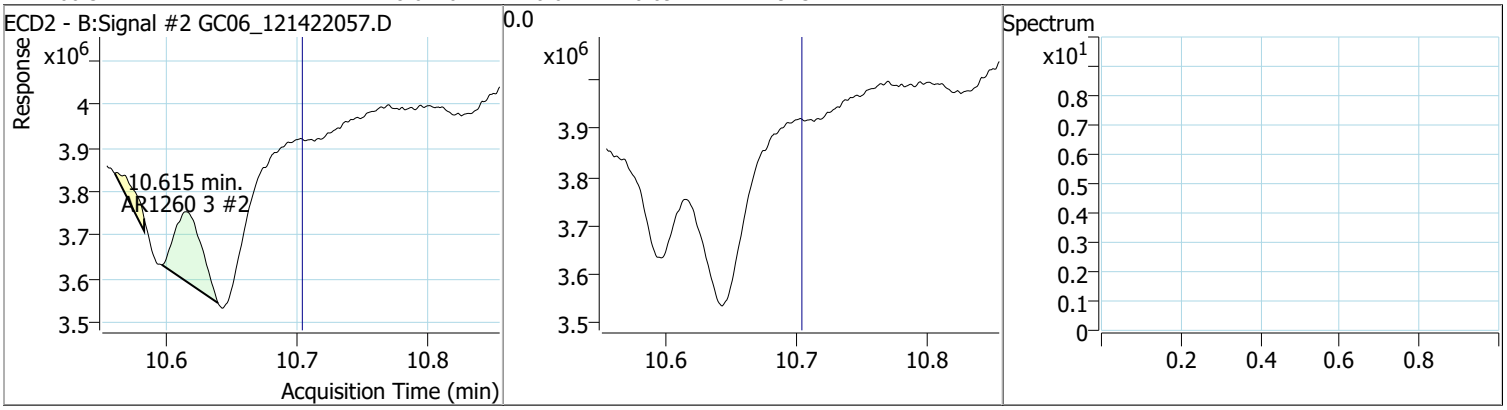
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	93.1079	10.14	-0.02	369203				



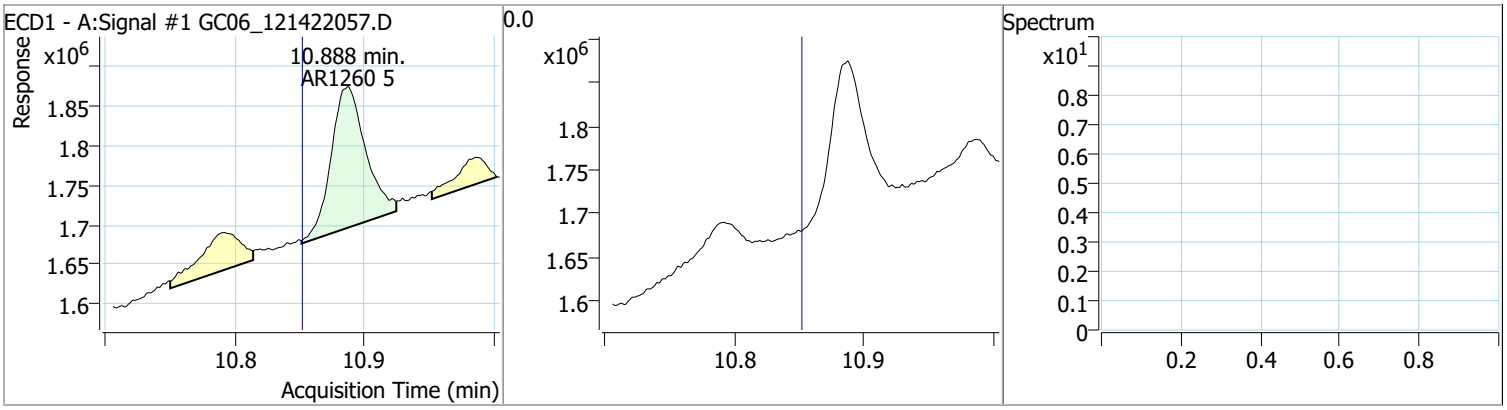
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	74.3402	10.26	-0.02	1561824				



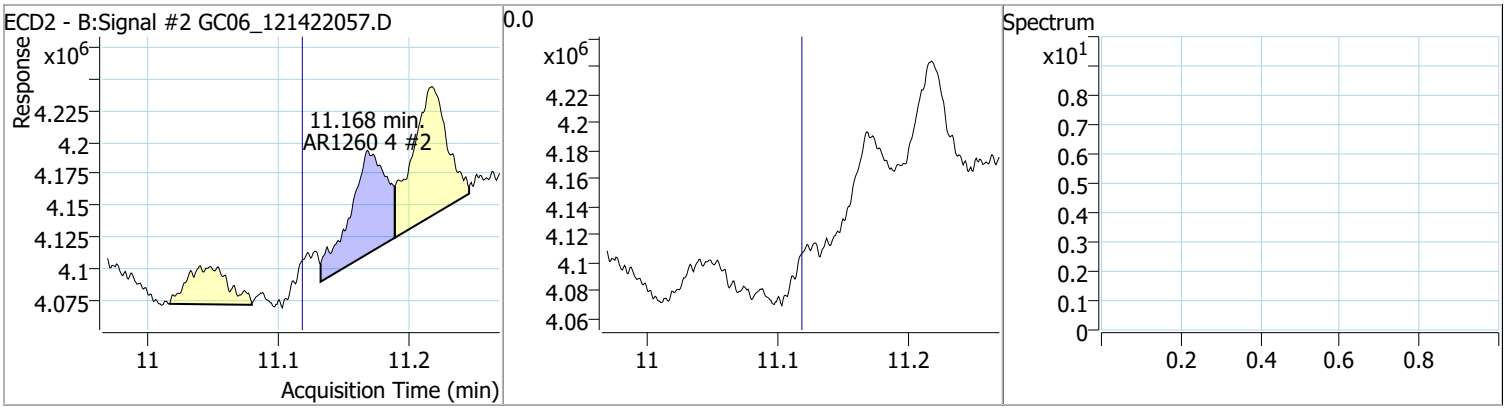
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	8.6276	10.62	-0.09	229434				



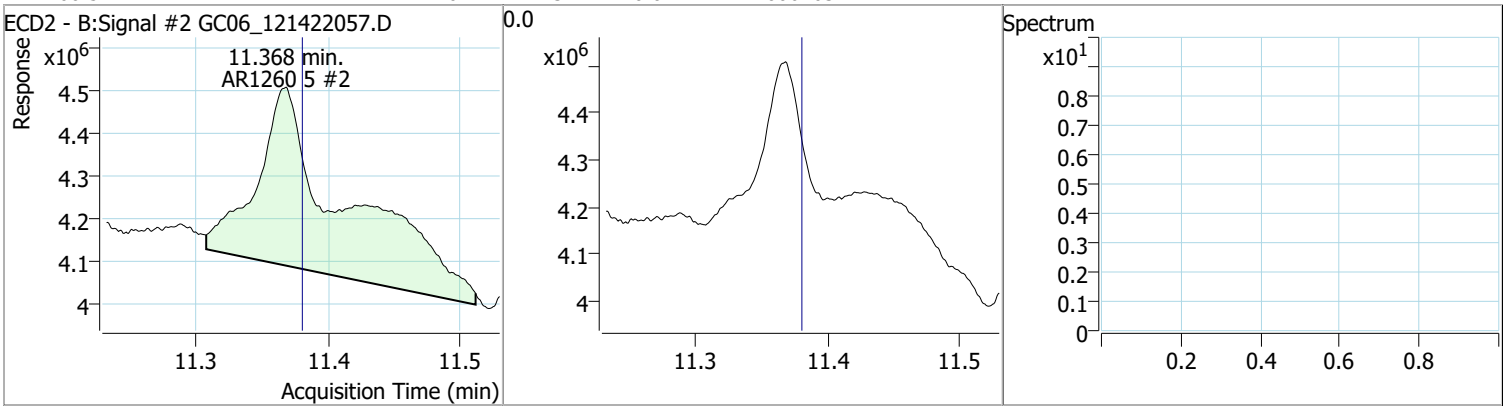
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	28.0438	10.89	0.03	330804				



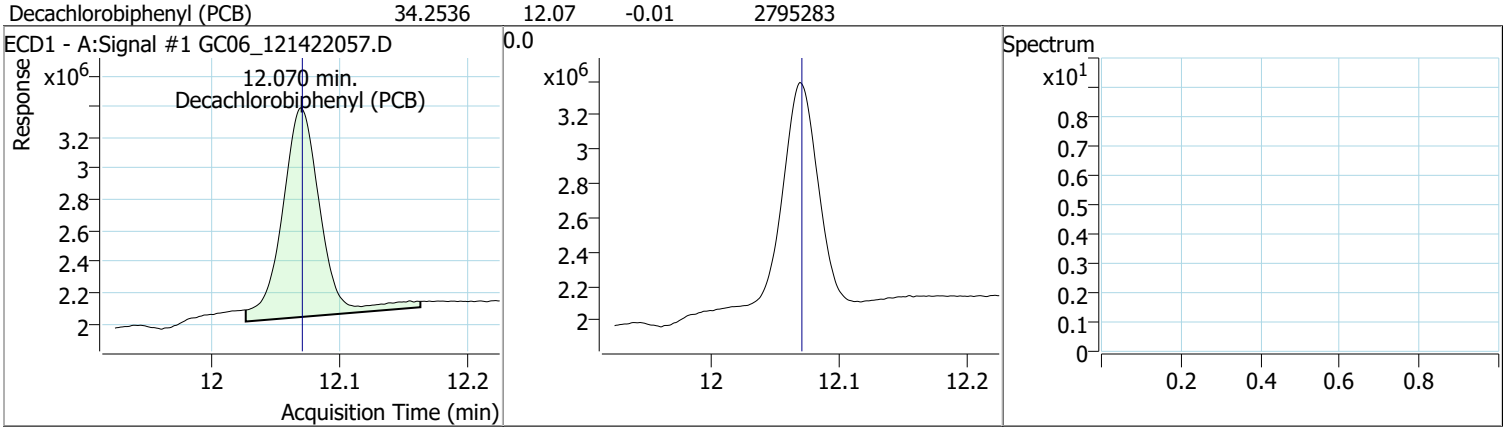
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.17	0.05	156699				



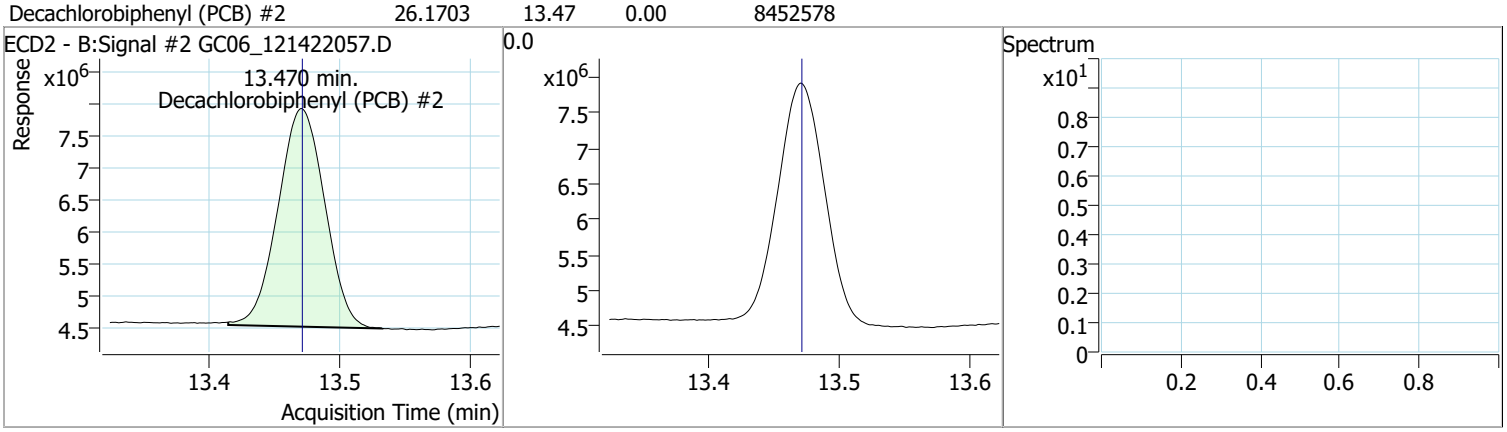
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	72.1461	11.37	-0.01	2006763				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	34.2536	12.07	-0.01	2795283				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	26.1703	13.47	0.00	8452578				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474713-005	Client ID:	ARCH-C2W-DG-4 TO 4.5-UP-C2.7-DG-221209-P-LA
Seqnum:	452501809058	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422058	Batch:	303182	Time:	15-DEC-2022 05:29
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	71.70	~~0.72~~ ~~FP~~	3.0	123%	0.50		x u
Aroclor-1016 Peak # 1	B	24.97	0.25	0.04	148%			
Aroclor-1016 Peak # 2	B	145.7	1.46	ND	209%			
Aroclor-1016 Peak # 3	B	164.8	1.65	1.68	2%			
Aroclor-1016 Peak # 4	B	0.9942	0.01	2.52	198%			
Aroclor-1016 Peak # 5	B	22.08	0.22	10.77	192%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	46.15	ND	0.61	27%	0.50		u
Aroclor-1260 Peak # 1	B	62.84	0.63	1.29	69%			
Aroclor-1260 Peak # 2	B	88.61	0.89	0.03	188%			
Aroclor-1260 Peak # 3	B	10.47	0.10	0.25	81%			
Aroclor-1260 Peak # 4	B	-9.895	ND	1.24	235%			
Aroclor-1260 Peak # 5	B	78.73	0.79	0.21	115%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	34.32	0.5000	0.3432	69	19-121	u
Decachlorobiphenyl (PCB)	B	34.99	0.5000	0.3499	70	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422036)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5560467	5775454	3.87
1-bromo-2-nitrobenzene (PCB)	A	1170615	1159149	-0.98

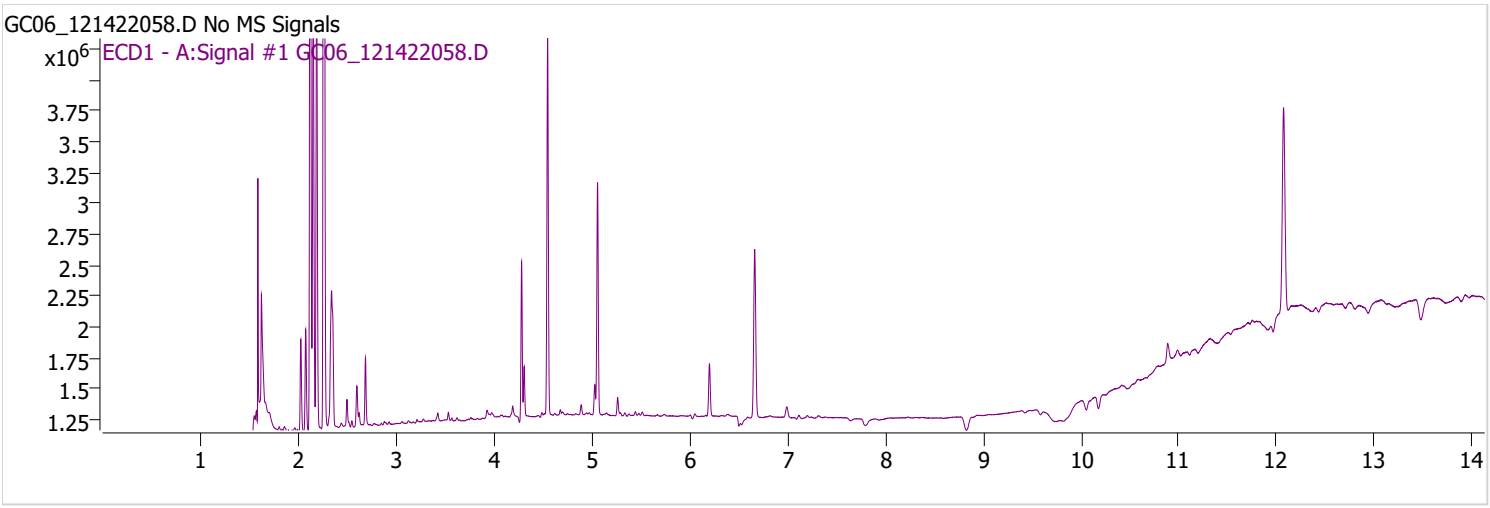
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

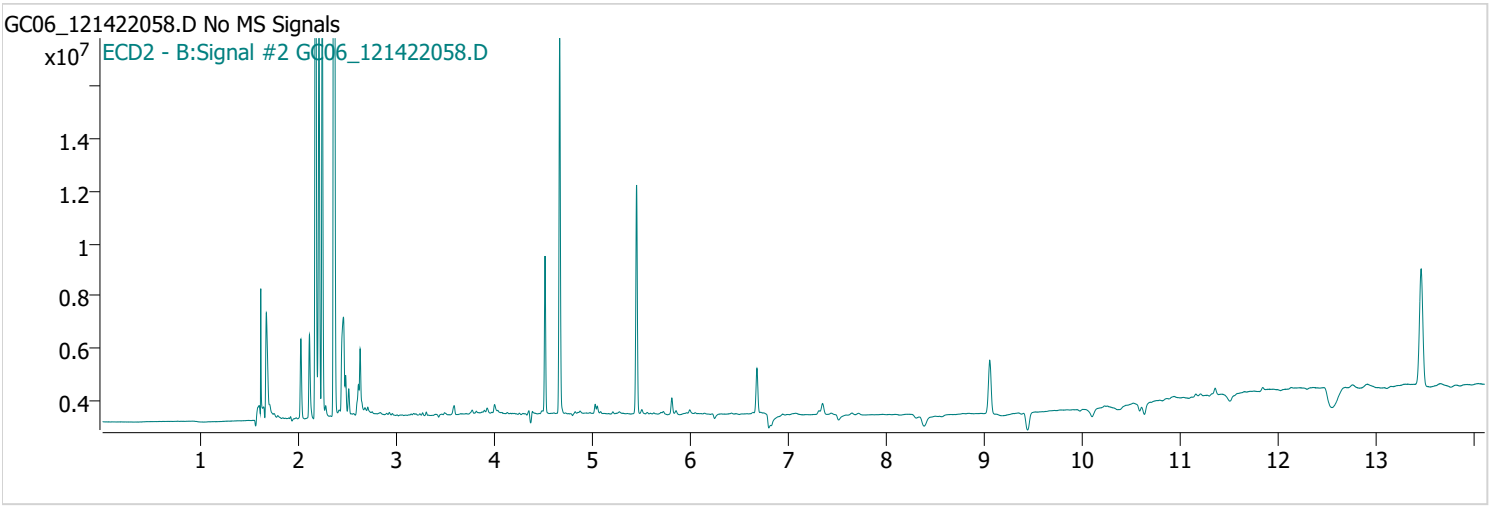
ISTD (CCV gc06_121422036)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

Analyst: MES 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422058.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 5:29:39 AM
Sample Name	474713-005, 303182, 1	Instrument	SVOA-GC06
Vial	41	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



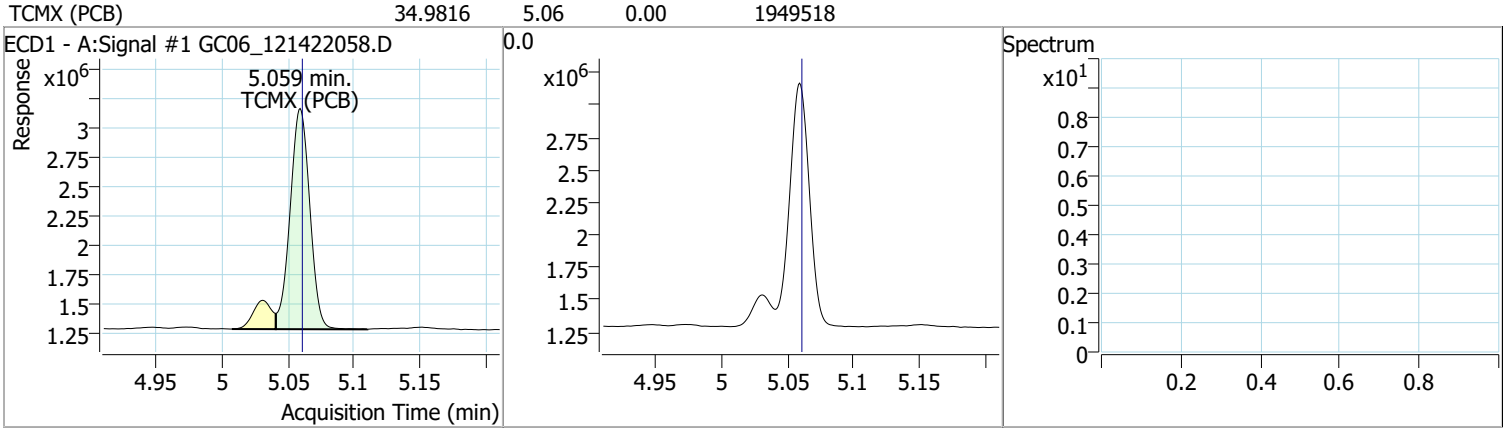


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.283	0.0	1159148.875	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.521	0.0	5775454.064	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB)	5.059	0.0	1949518.107	34.9816	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 174.91%		*	
S TCMX (PCB) #2	5.456	0.0	9518047.784	34.3162	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 171.58%		*	
S Decachlorobiphenyl (PCB)	12.070	0.0	3532216.173	45.9550	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 229.78%		*	
S Decachlorobiphenyl (PCB) #2	13.472	0.0	10898857.950	34.9878	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 174.94%		*	
Target Compounds							QValue

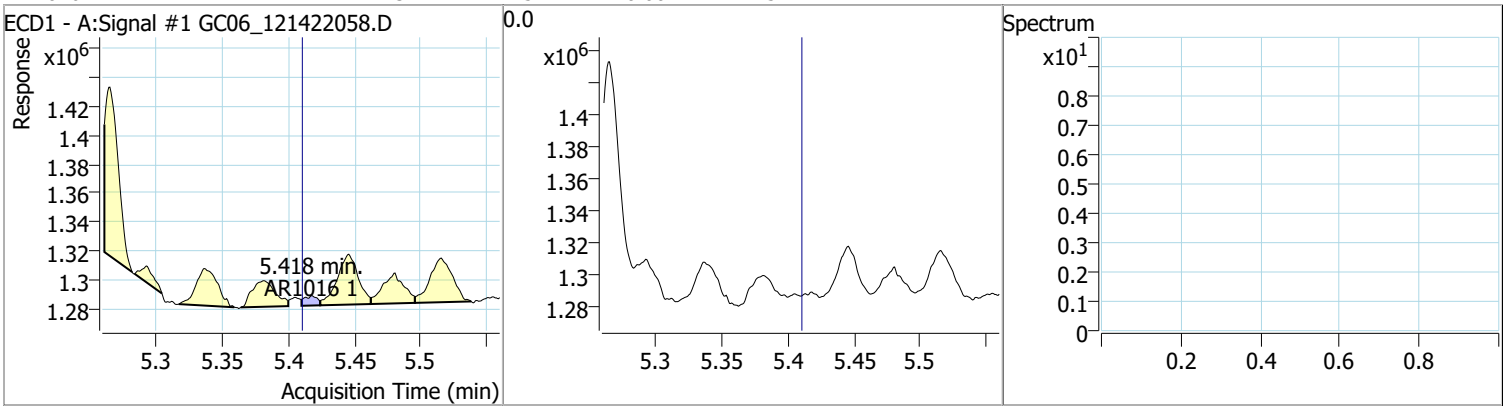
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.418	0.0	4526.511	3.7247	ng/ml	100
T AR1016 2	5.739	0.0	29288.847	0.0000	ng/ml	100
T AR1016 1 #2	5.963	0.0	149858.884	24.9659	ng/ml	100
T AR1016 3	6.203	0.0	516317.455	167.5681	ng/ml	100
T AR1016 4	6.393	0.0	589699.241	251.6350	ng/ml	100
T AR1016 2 #2	6.427	0.0	1262415.740	145.6920	ng/ml	100
T AR1016 5	6.665	0.0	2033721.827	1077.4322	ng/ml	100
T AR1016 3 #2	7.081	0.0	2594584.540	164.7951	ng/ml	100
T AR1016 4 #2	7.179	0.0	11175.301	0.9942	ng/ml	100
T AR1016 5 #2	7.321	0.0	201733.191	22.0802	ng/ml	100
T AR1260 1	8.770	0.0	507485.019	129.4900	ng/ml	100
T AR1260 2	9.395	0.0	16695.158	2.7949	ng/ml	100
T AR1260 3	9.622	0.0	154689.838	24.7761	ng/ml	100
T AR1260 1 #2	10.015	0.0	1080031.810	62.8376	ng/ml	100
T AR1260 4	10.148	0.0	461030.641	124.3647	ng/ml	100
T AR1260 2 #2	10.237	0.0	1829892.435	88.6087	ng/ml	100
T AR1260 3 #2	10.615	0.0	273665.453	10.4692	ng/ml	100
T AR1260 5	10.886	0.0	272955.795	21.1709	ng/ml	100
T AR1260 4 #2	11.170	0.0	197384.946	0.0000	ng/ml	100
T AR1260 5 #2	11.367	0.0	2115698.155	78.7339	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

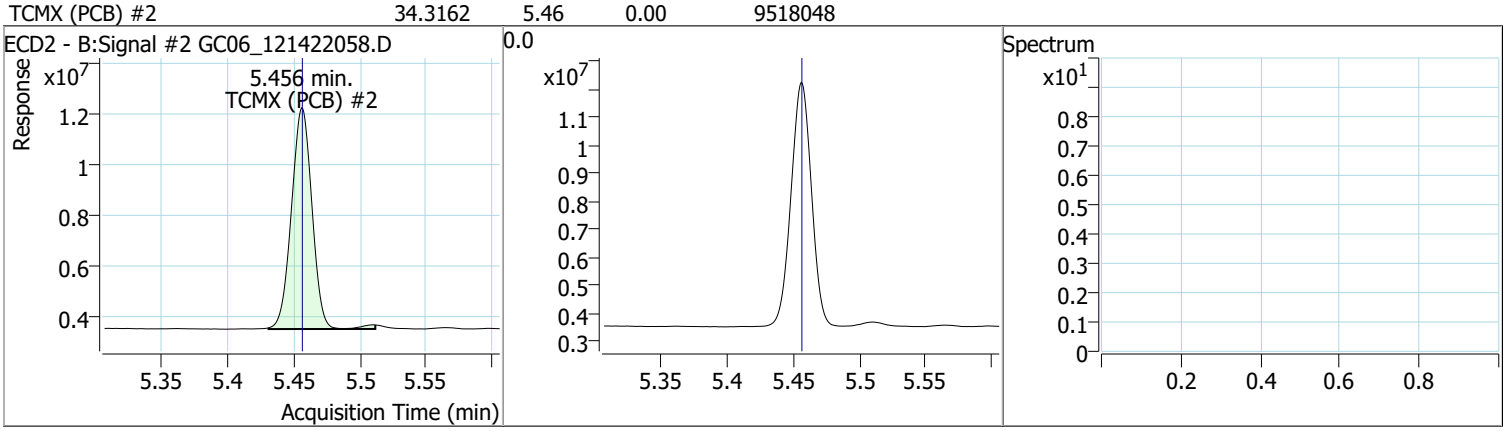
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	34.9816	5.06	0.00	1949518				



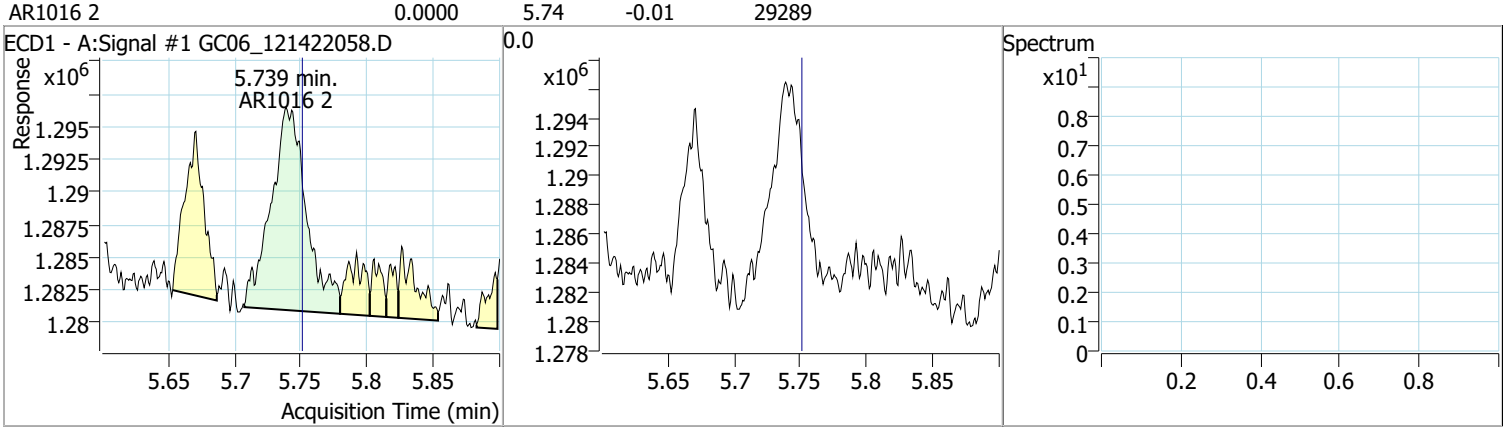
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	3.7247	5.42	0.00	4527				



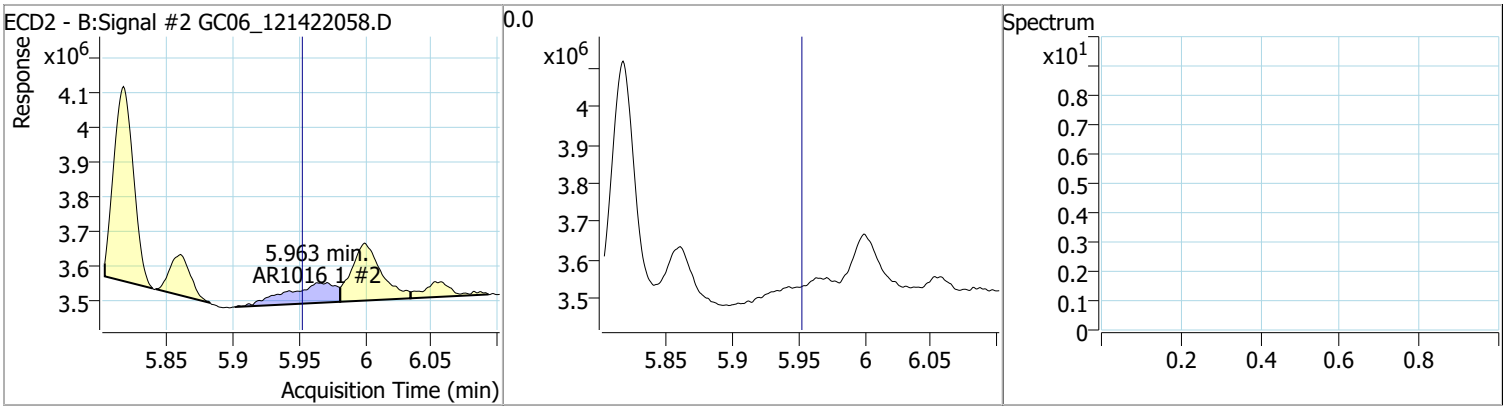
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	34.3162	5.46	0.00	9518048				



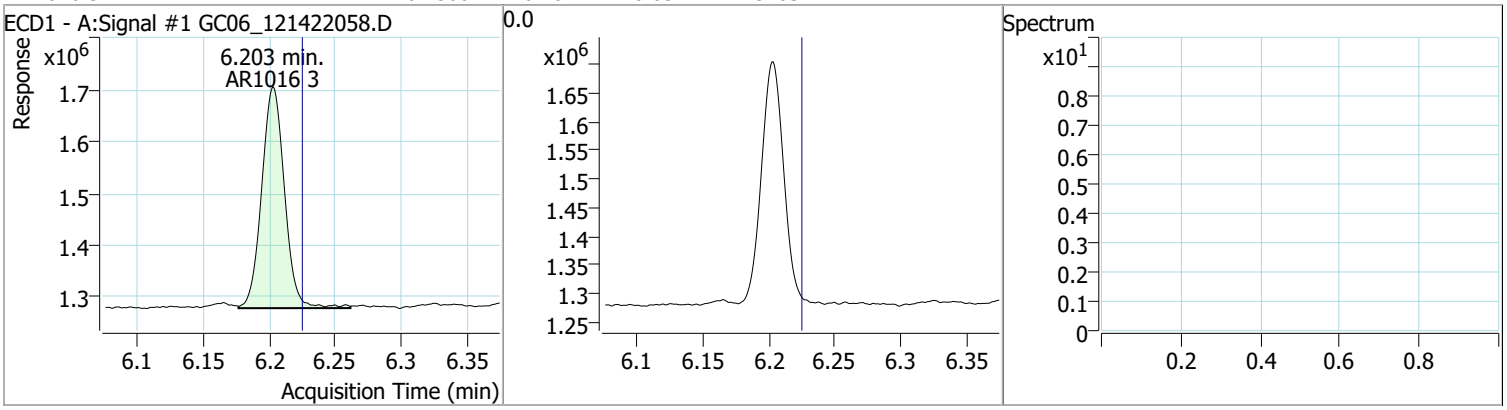
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.74	-0.01	29289				



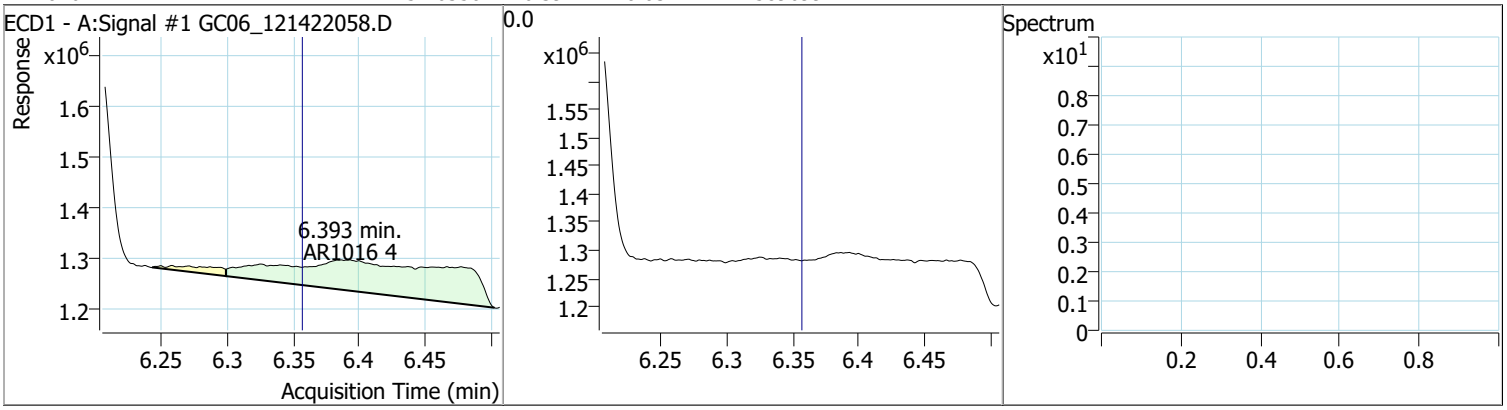
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	24.9659	5.96	0.01	149859				



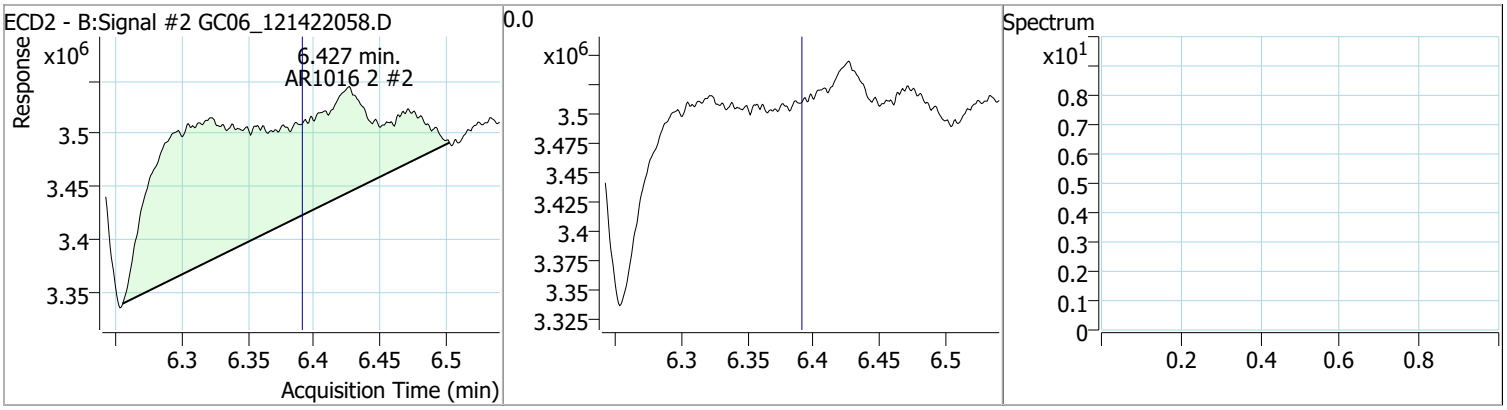
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	167.5681	6.20	-0.03	516317				



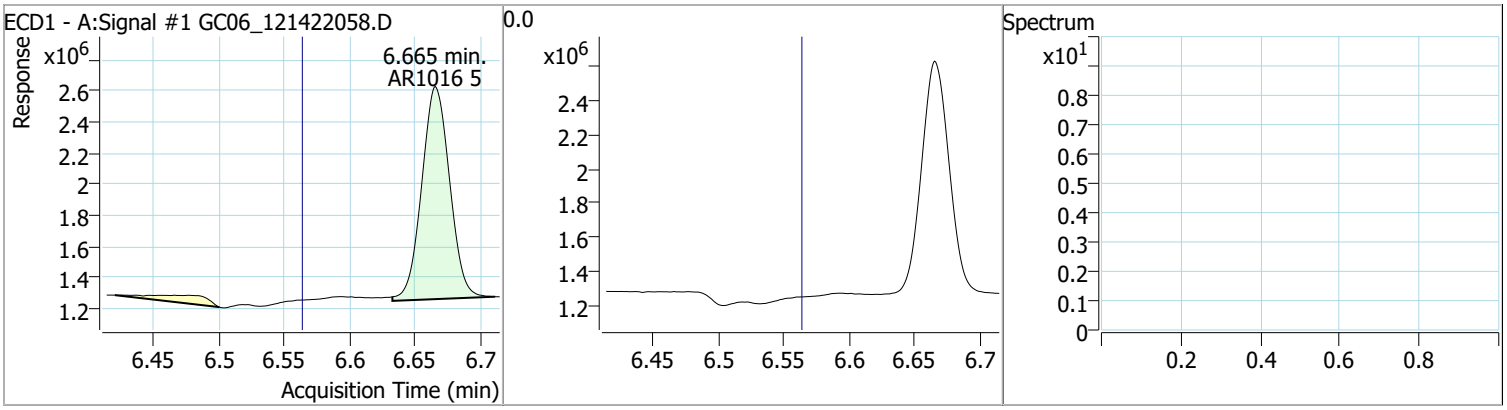
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	251.6350	6.39	0.03	589699				



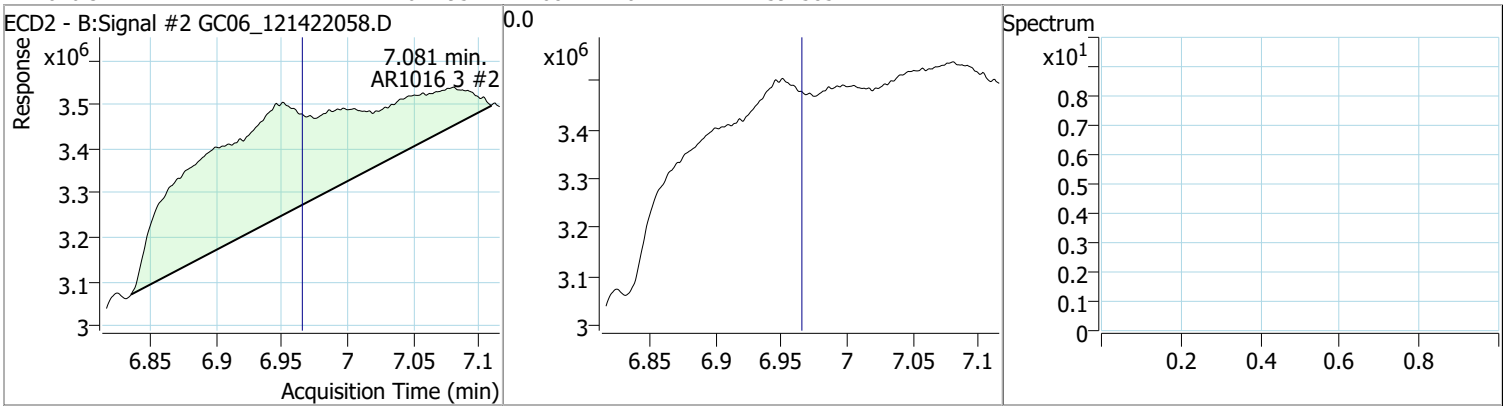
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	145.6920	6.43	0.03	1262416				



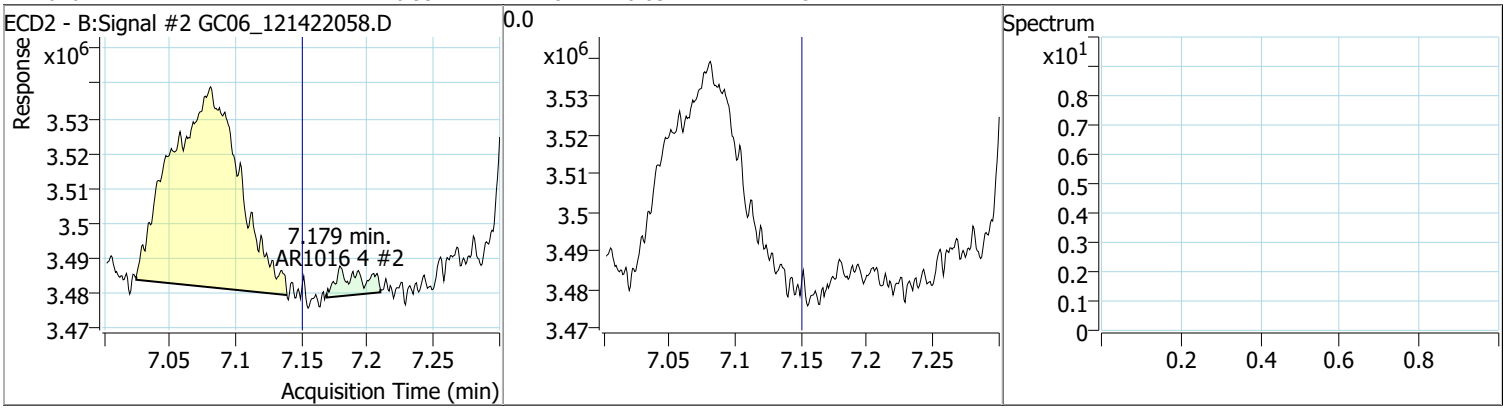
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1077.4322	6.67	0.10	2033722				



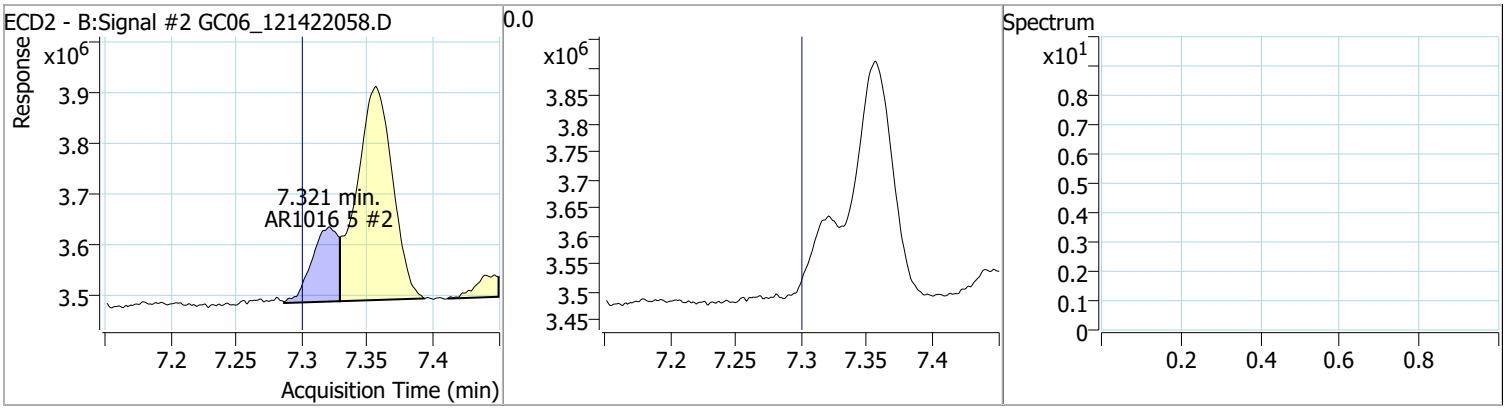
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	164.7951	7.08	0.11	2594585				



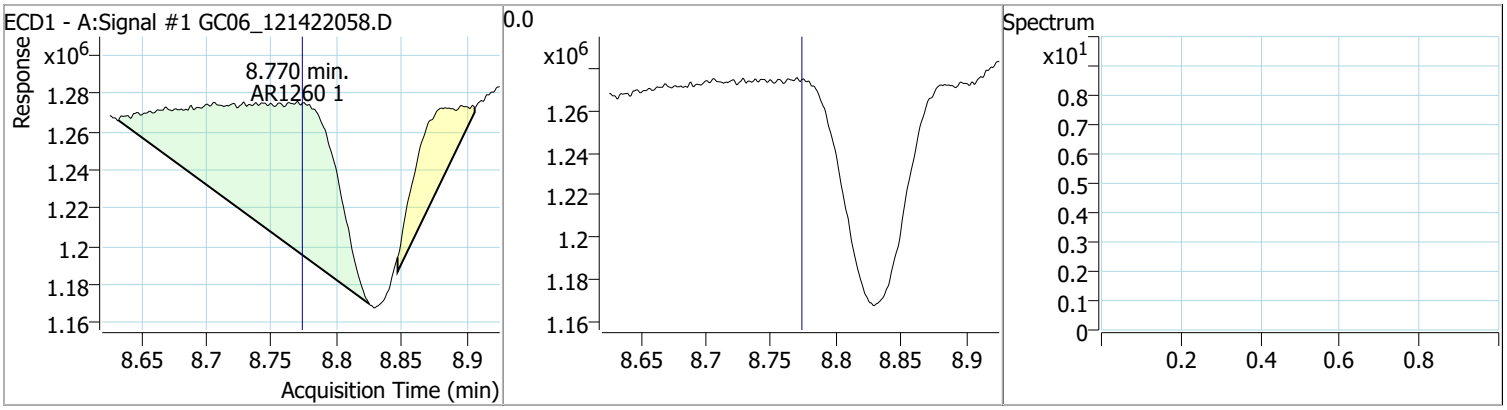
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.9942	7.18	0.03	11175				



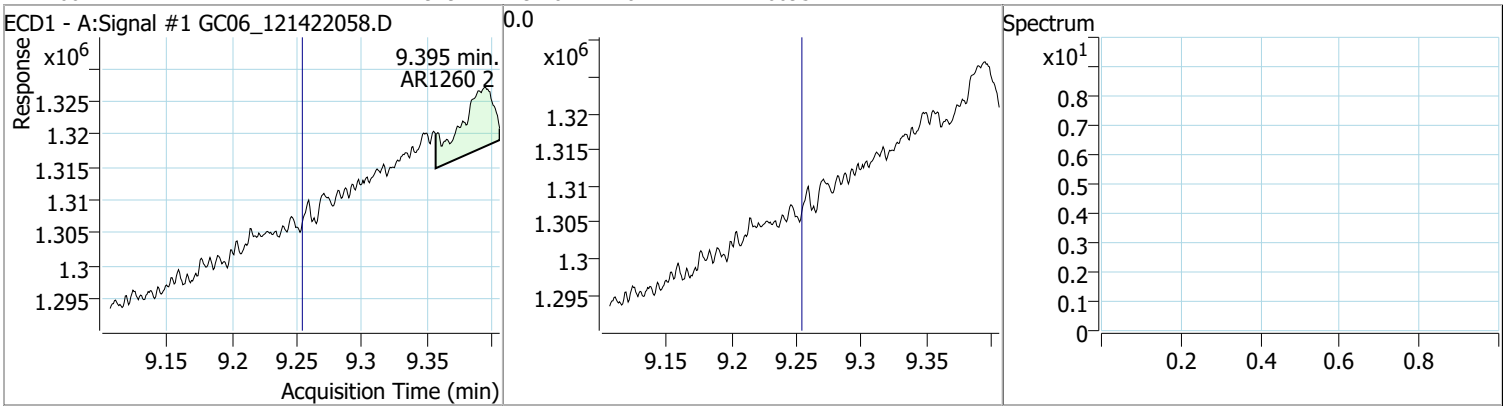
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	22.0802	7.32	0.02	201733				



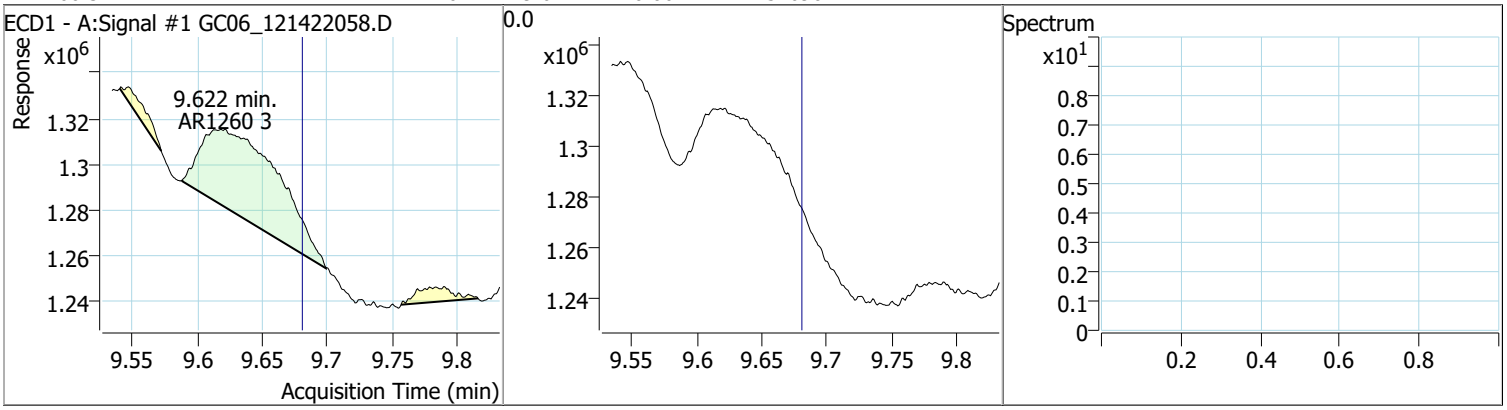
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	129.4900	8.77	-0.01	507485				



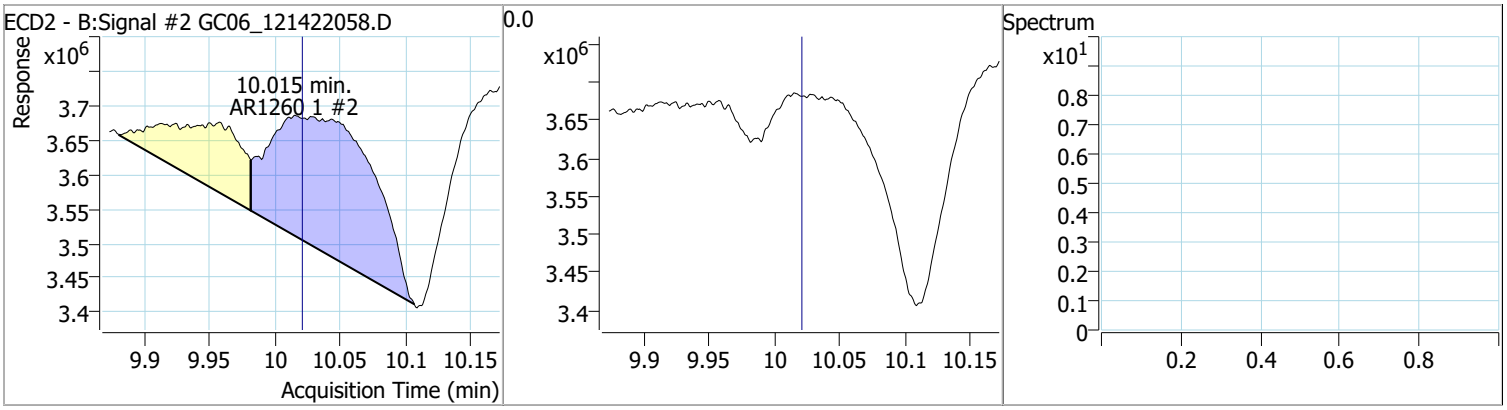
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.7949	9.40	0.14	16695				



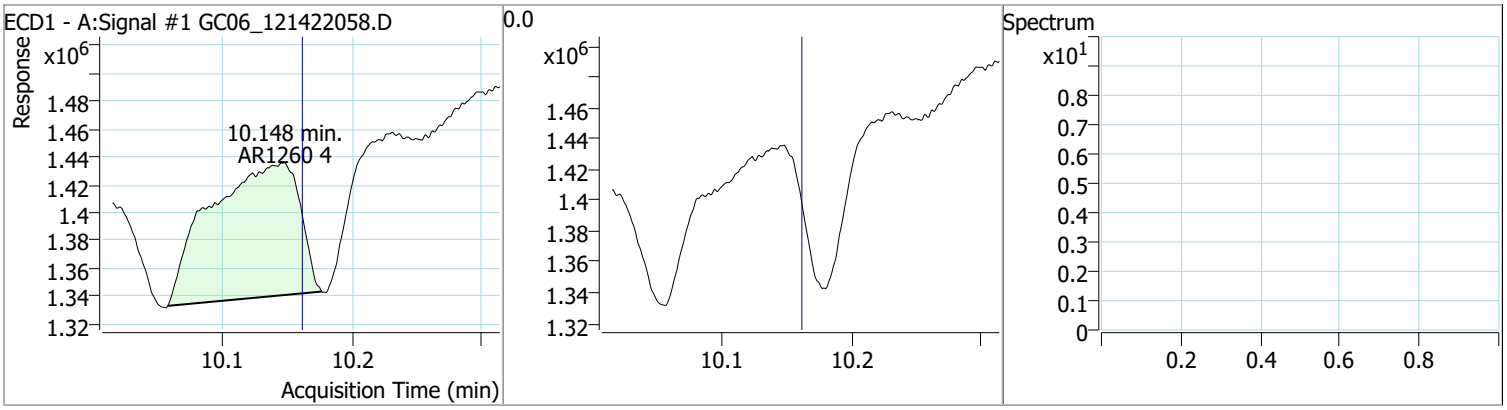
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	24.7761	9.62	-0.06	154690				



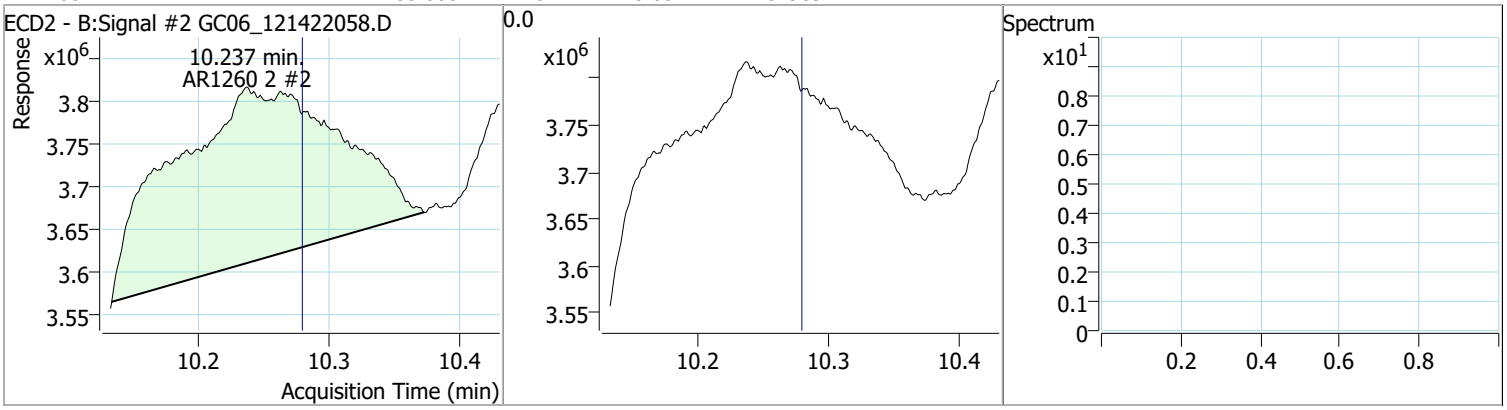
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	62.8376	10.02	-0.01	1080032				



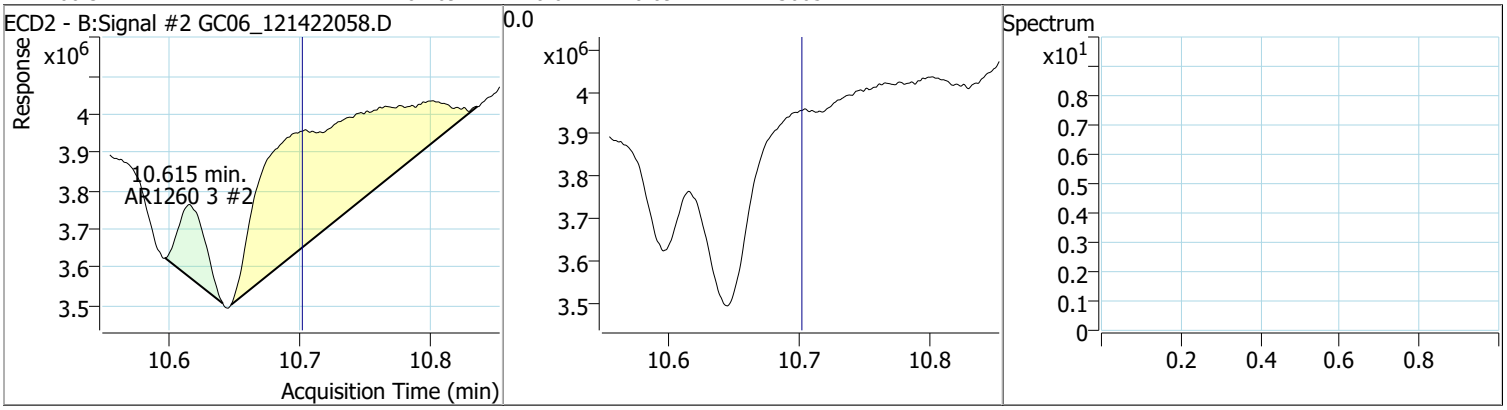
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	124.3647	10.15	-0.02	461031				



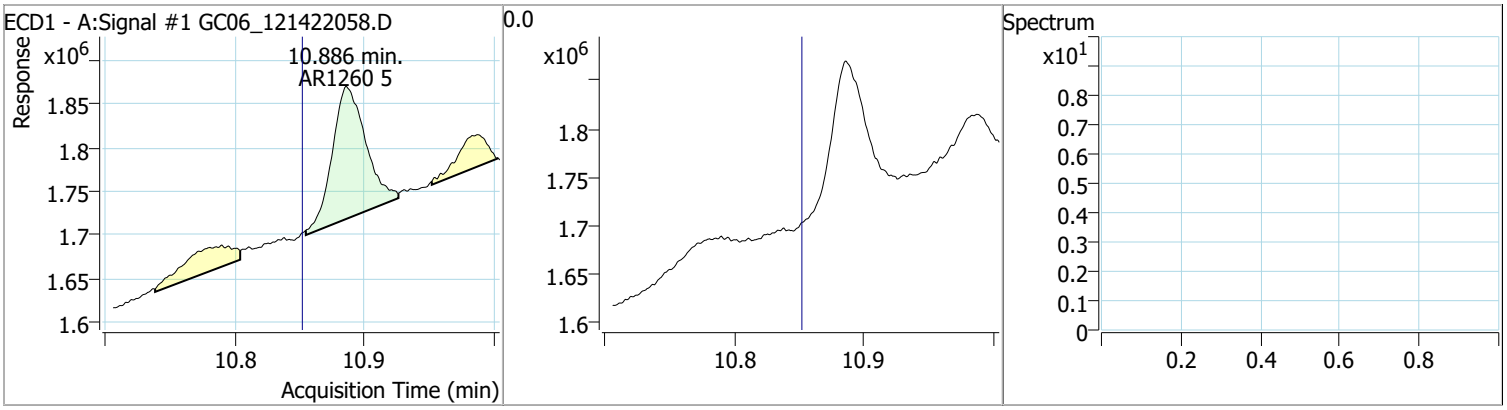
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	88.6087	10.24	-0.05	1829892				



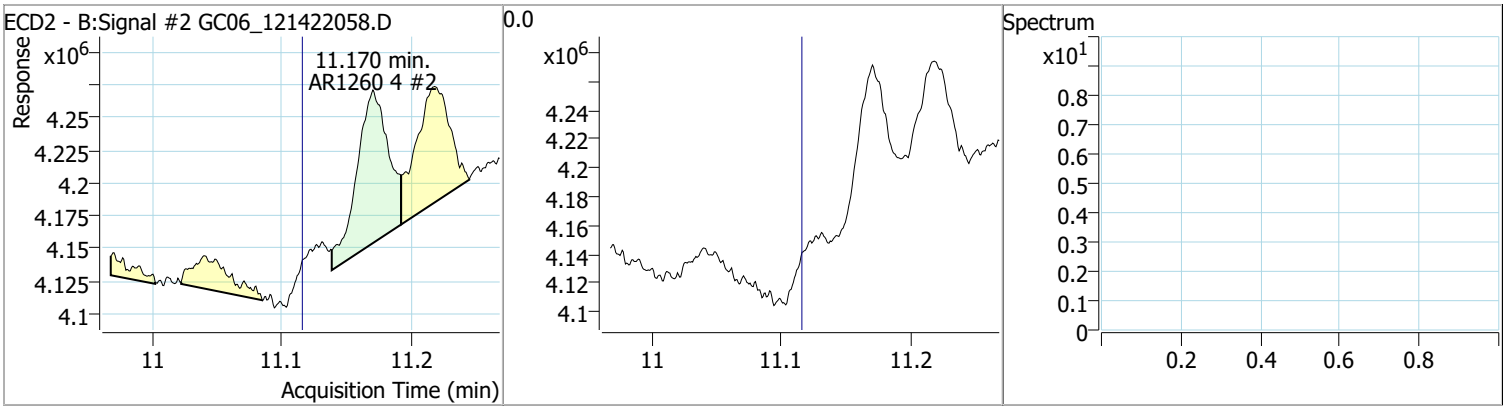
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	10.4692	10.62	-0.09	273665				



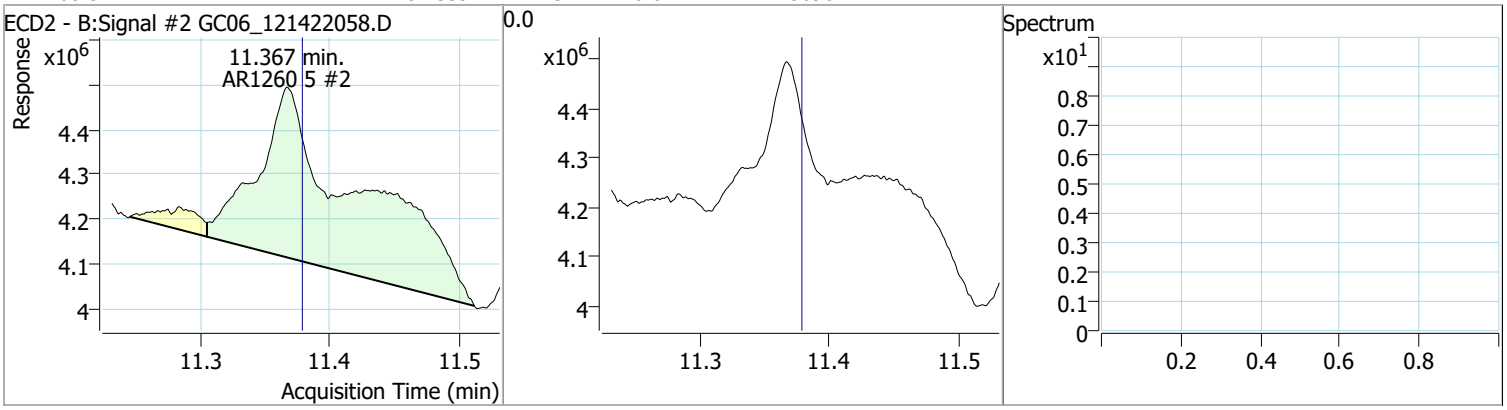
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	21.1709	10.89	0.03	272956				



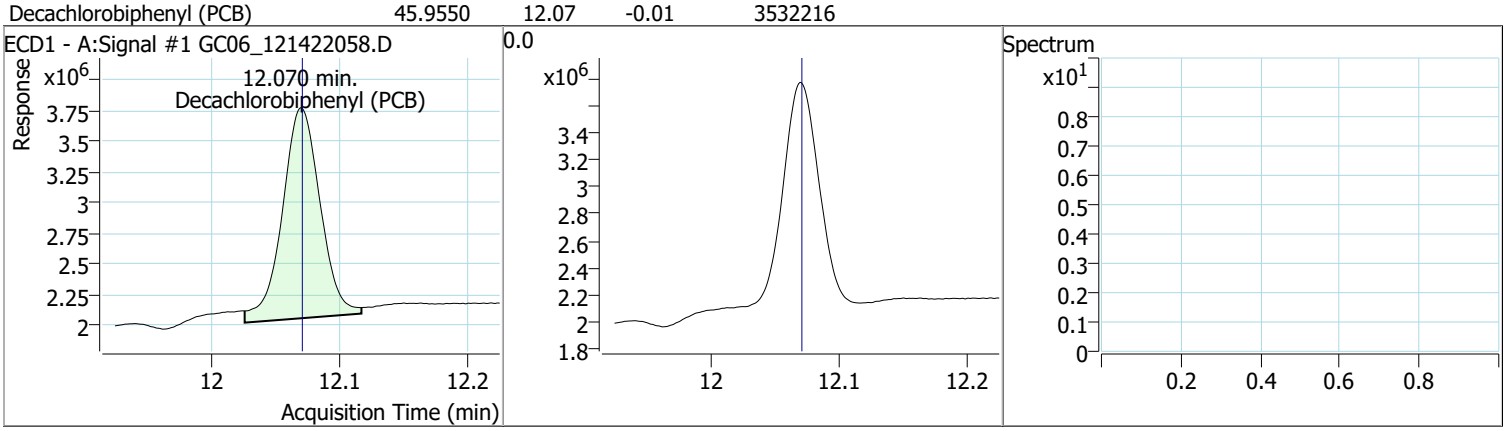
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.17	0.05	197385				



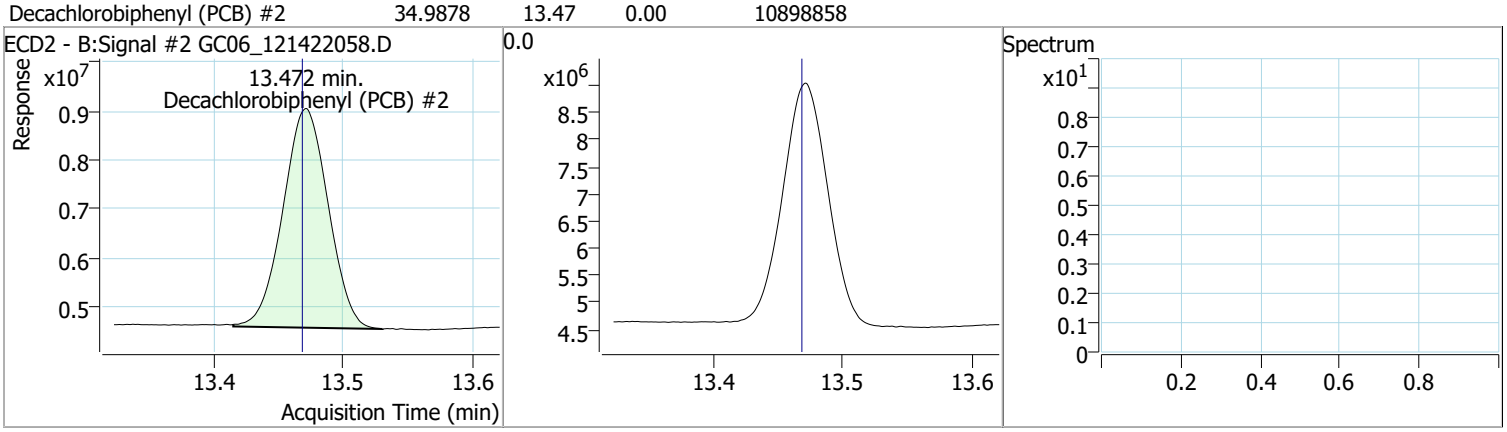
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	78.7339	11.37	-0.02	2115698				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	45.9550	12.07	-0.01	3532216				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	34.9878	13.47	0.00	10898858				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 474713 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Lab ID:	QC1031899		
Seqnum:	452501809041.2	Matrix:	Wipe		
File:	gc06_121422041	Batch:	303182	Time:	15-DEC-2022 00:18
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	42.70	ND	0.63	38%	0.50	u
Aroclor-1016 Peak # 1	B	7.797	0.08	0.03	78%		
Aroclor-1016 Peak # 2	B	10.10	0.10	ND	2571%		
Aroclor-1016 Peak # 3	B	185.7	1.86	0.04	191%		
Aroclor-1016 Peak # 4	B	4.712	0.05	0.01	116%		
Aroclor-1016 Peak # 5	B	5.259	0.05	3.13	193%		
Aroclor-1221	B		ND			0.50	u
Aroclor-1232	B		ND			0.50	u
Aroclor-1242	B		ND			0.50	u
Aroclor-1248	B		ND			0.50	u
Aroclor-1254	B		ND			0.50	u
Aroclor-1260	B	4.365	ND	0.29	148%	0.50	u
Aroclor-1260 Peak # 1	B	21.53	0.22	0.58	91%		
Aroclor-1260 Peak # 2	B	9.932	0.10	0.00	197%		
Aroclor-1260 Peak # 3	B	5.293	0.05	0.12	77%		
Aroclor-1260 Peak # 4	B	-22.34	ND	0.66	406%		
Aroclor-1260 Peak # 5	B	7.408	0.07	0.12	46%		
Aroclor-1262	B		ND			0.50	u
Aroclor-1268	B		ND			0.50	u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	40.54	0.5000	0.4054	81	19-121	u
Decachlorobiphenyl (PCB)	B	34.16	0.5000	0.3416	68	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422036)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5560467	6052909	8.86
1-bromo-2-nitrobenzene (PCB)	A	1170615	1261934	7.80

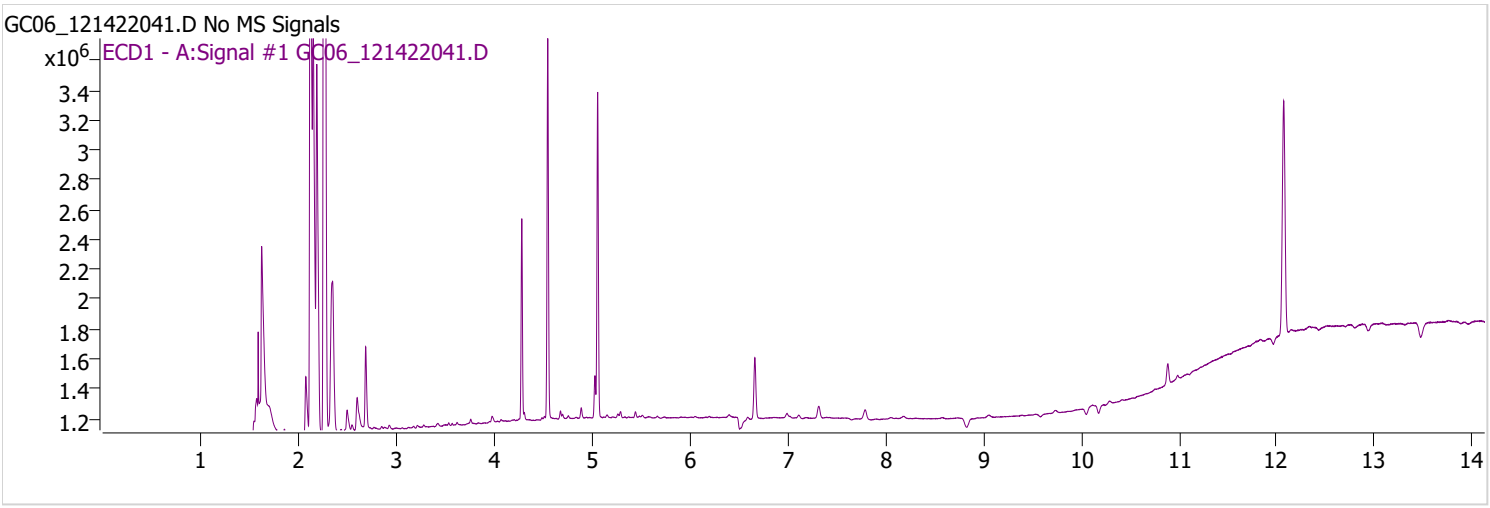
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

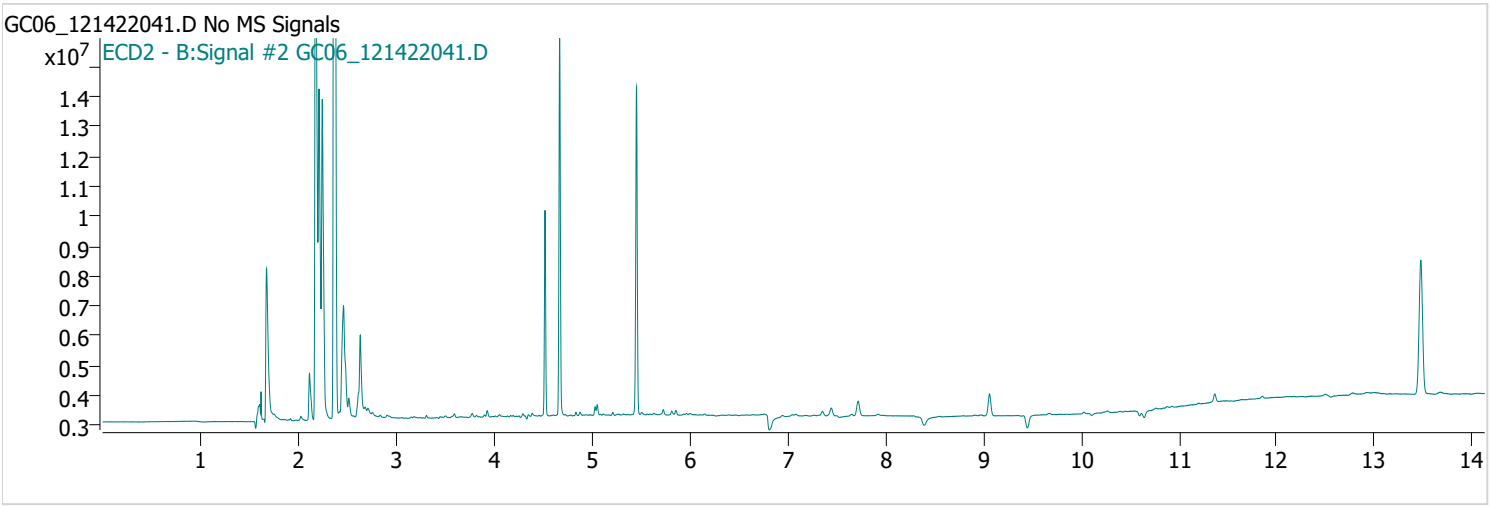
ISTD (CCV gc06_121422036)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

Analyst: TRN 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422041.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 12:18:10 AM
Sample Name	QC1031899, 303182, 1	Instrument	SVOA-GC06
Vial	24	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



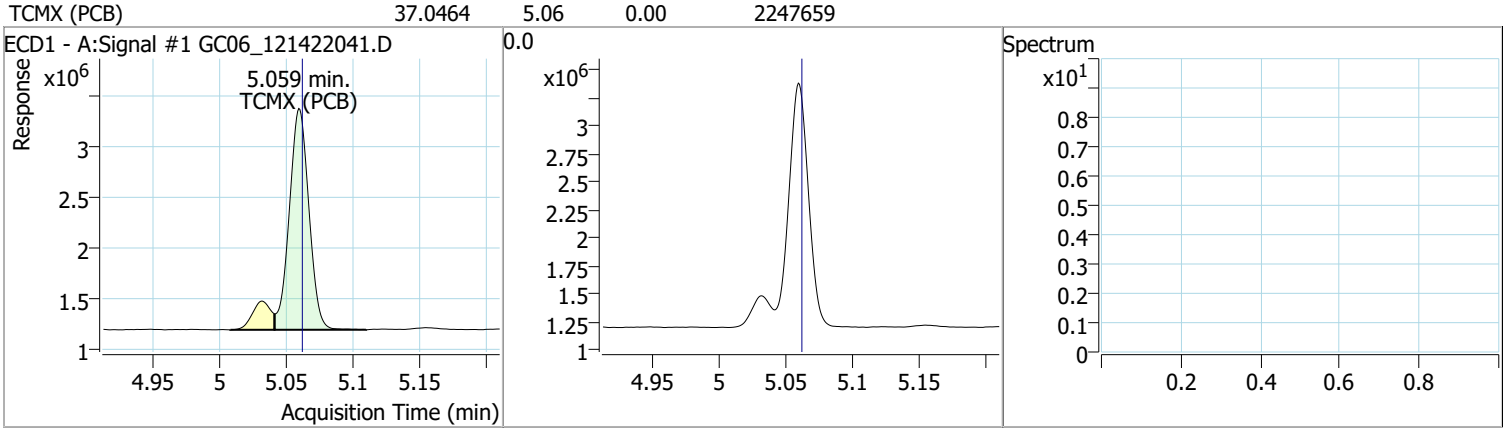


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	1261934.203	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	6052908.818	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.059	0.0	2247659.258	37.0464	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 185.23%		*	
S TCMX (PCB) #2	5.457	0.0	11784594.068	40.5403	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 202.70%		*	
S Decachlorobiphenyl (PCB)	12.071	0.0	3249283.193	38.1607	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 190.80%		*	
S Decachlorobiphenyl (PCB) #2	13.472	0.0	11167814.484	34.1607	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 170.80%		*	
Target Compounds							QValue

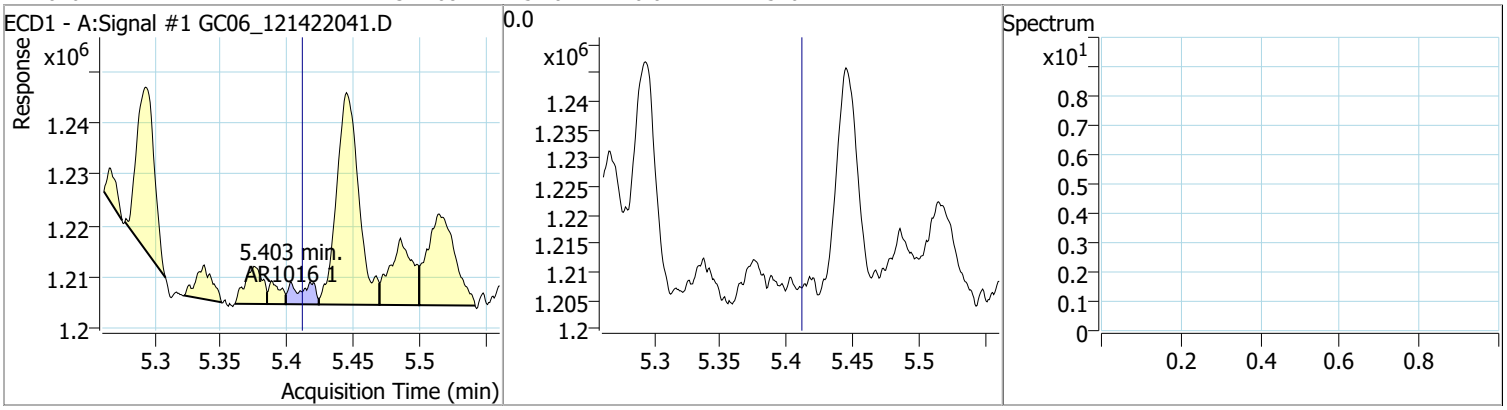
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.403	0.0	4525.871	3.4208	ng/ml	100
T AR1016 2	5.743	0.0	17760.513	0.0000	ng/ml	100
T AR1016 1 #2	5.938	0.0	49054.098	7.7976	ng/ml	100
T AR1016 3	6.202	0.0	15051.100	4.4869	ng/ml	100
T AR1016 4	6.348	0.0	3192.254	1.2512	ng/ml	100
T AR1016 2 #2	6.403	0.0	91677.509	10.0953	ng/ml	100
T AR1016 5	6.666	0.0	642624.652	312.7219	ng/ml	100
T AR1016 3 #2	7.088	0.0	3063533.983	185.6613	ng/ml	100
T AR1016 4 #2	7.184	0.0	55513.769	4.7126	ng/ml	100
T AR1016 5 #2	7.273	0.0	50361.655	5.2595	ng/ml	100
T AR1260 1	8.740	0.0	245457.756	57.5297	ng/ml	100
T AR1260 2	9.243	0.0	440.805	0.0678	ng/ml	100
T AR1260 3	9.740	0.0	80865.498	11.8970	ng/ml	100
T AR1260 1 #2	10.029	0.0	387889.266	21.5334	ng/ml	100
T AR1260 4	10.116	0.0	291668.031	65.8023	ng/ml	100
T AR1260 2 #2	10.263	0.0	214973.925	9.9325	ng/ml	100
T AR1260 3 #2	10.616	0.0	144999.390	5.2927	ng/ml	100
T AR1260 5	10.887	0.0	226547.223	11.8393	ng/ml	100
T AR1260 4 #2	11.123	0.0	19742.237	0.0000	ng/ml	100
T AR1260 5 #2	11.367	0.0	593597.601	7.4143	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

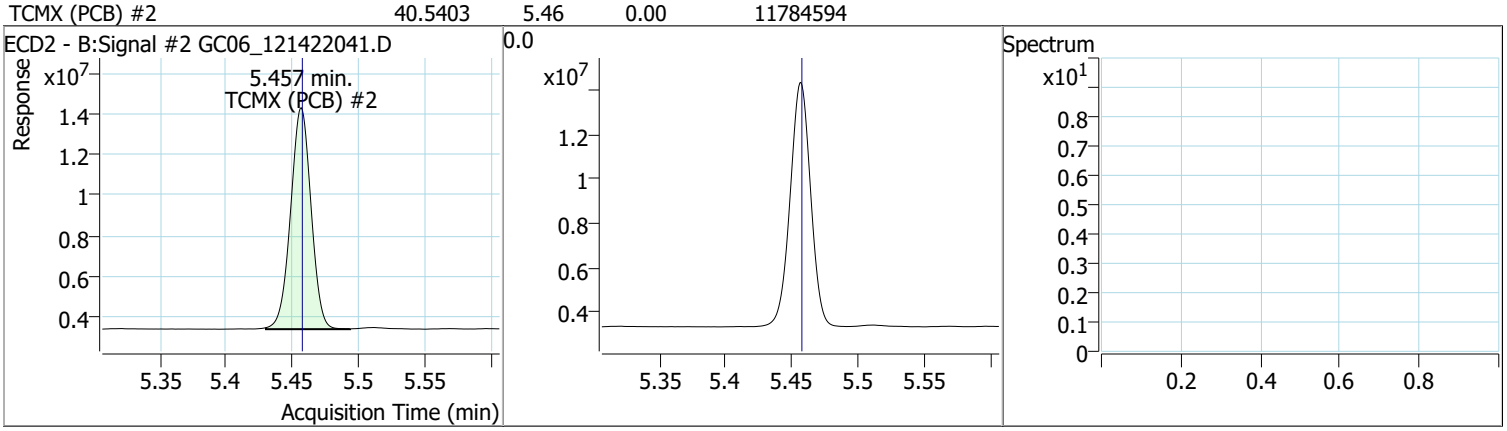
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.0464	5.06	0.00	2247659				



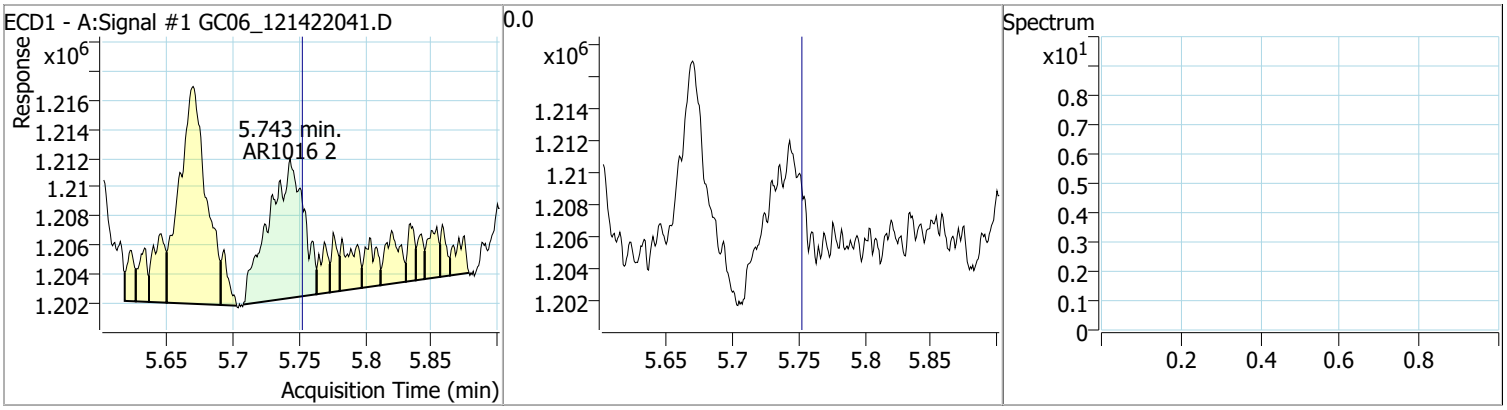
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	3.4208	5.40	-0.01	4526				



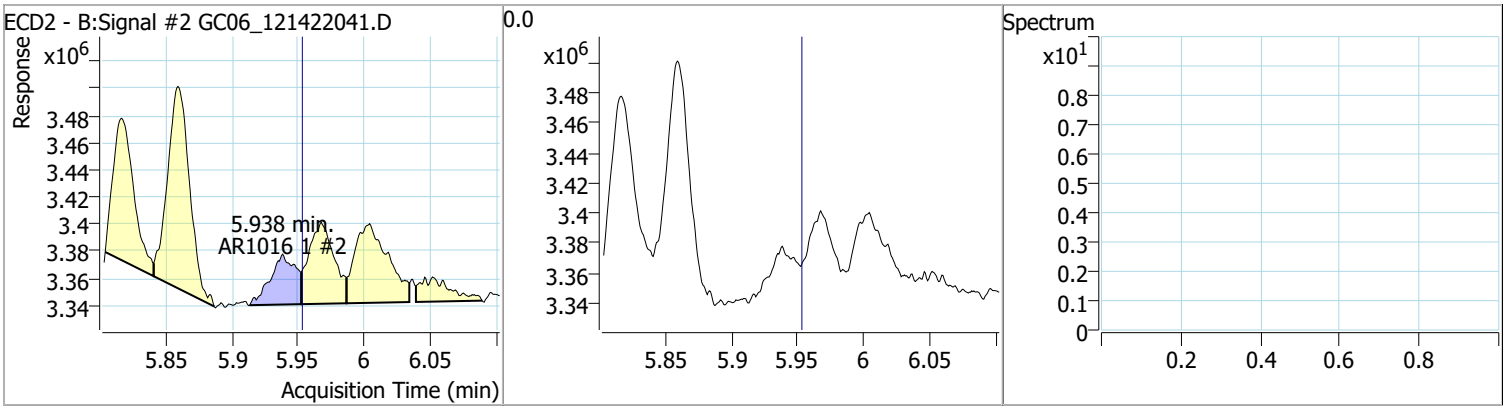
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	40.5403	5.46	0.00	11784594				



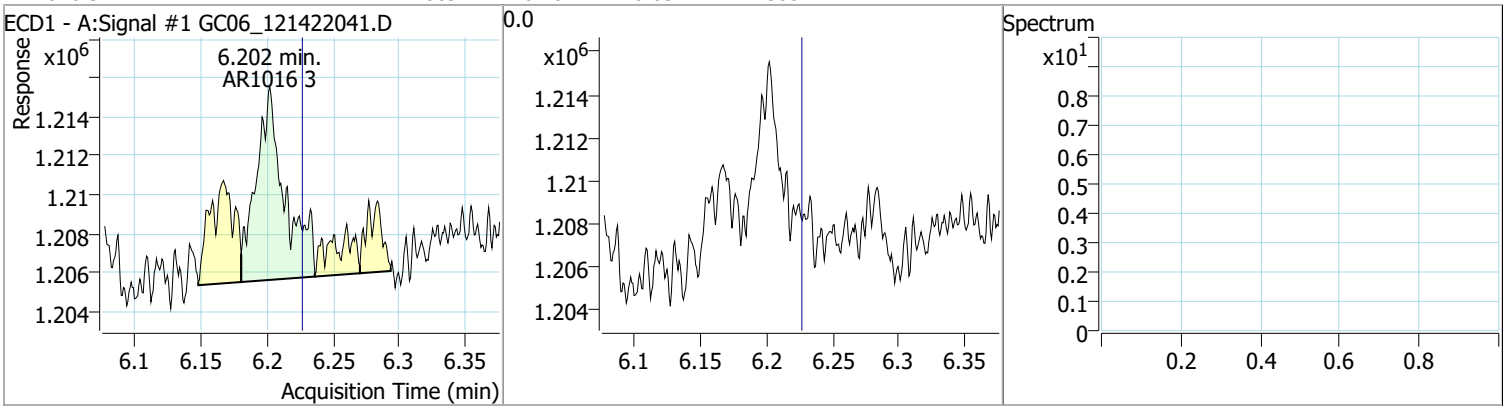
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.74	-0.01	17761				



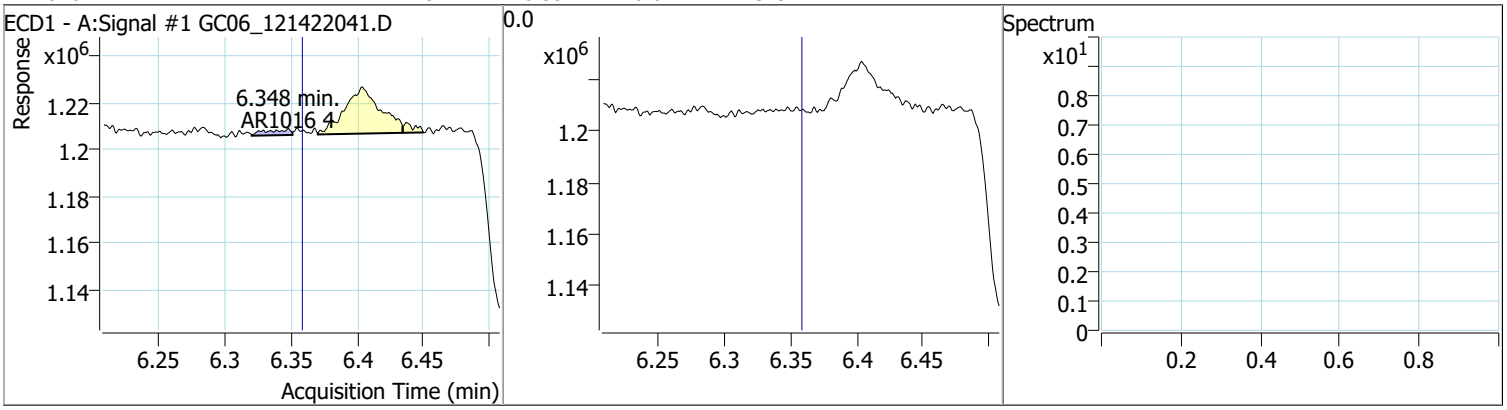
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	7.7976	5.94	-0.02	49054				



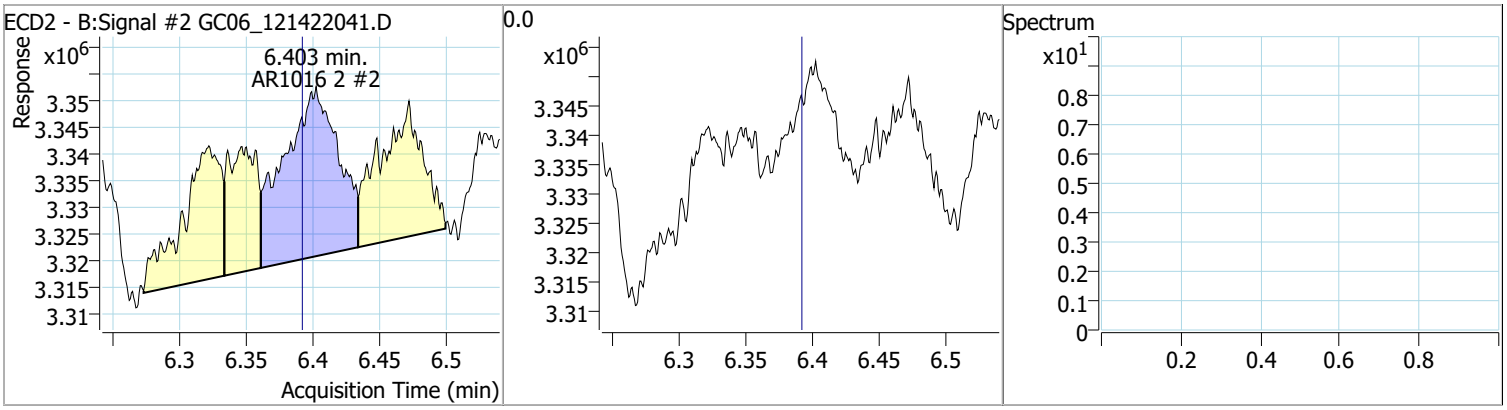
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	4.4869	6.20	-0.03	15051				



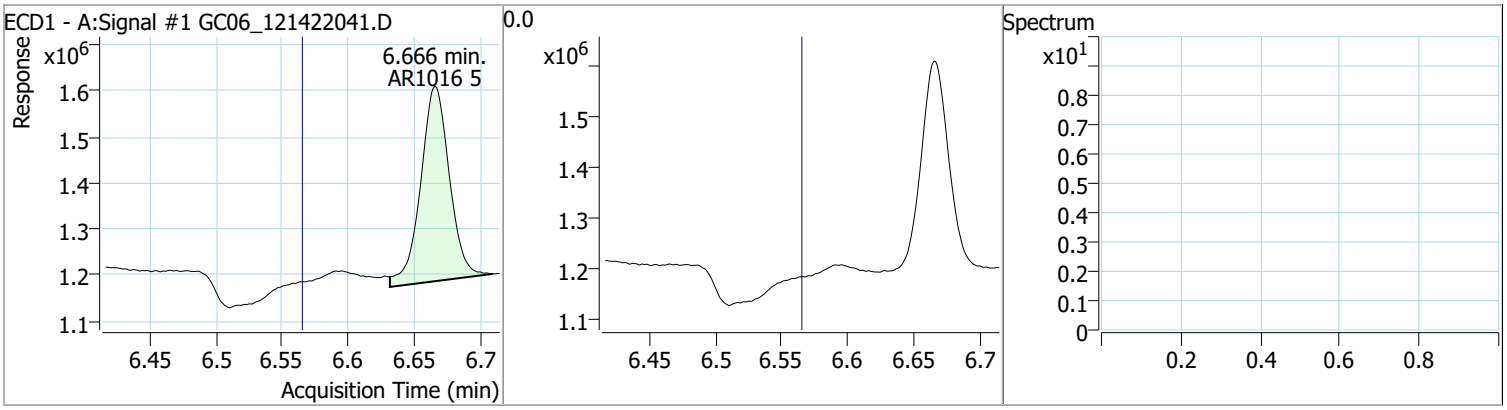
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1.2512	6.35	-0.01	3192				



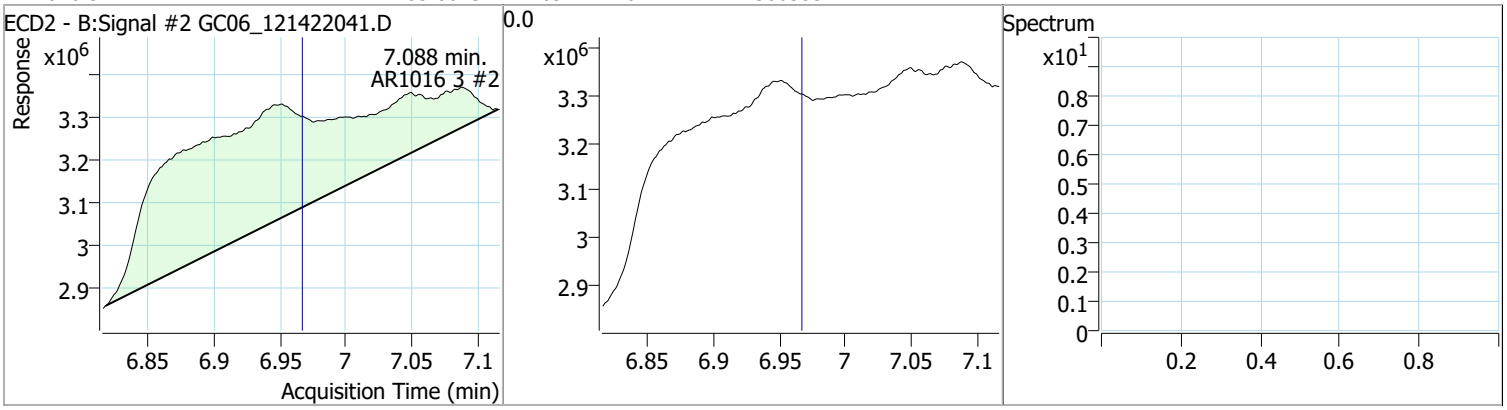
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	10.0953	6.40	0.01	91678				



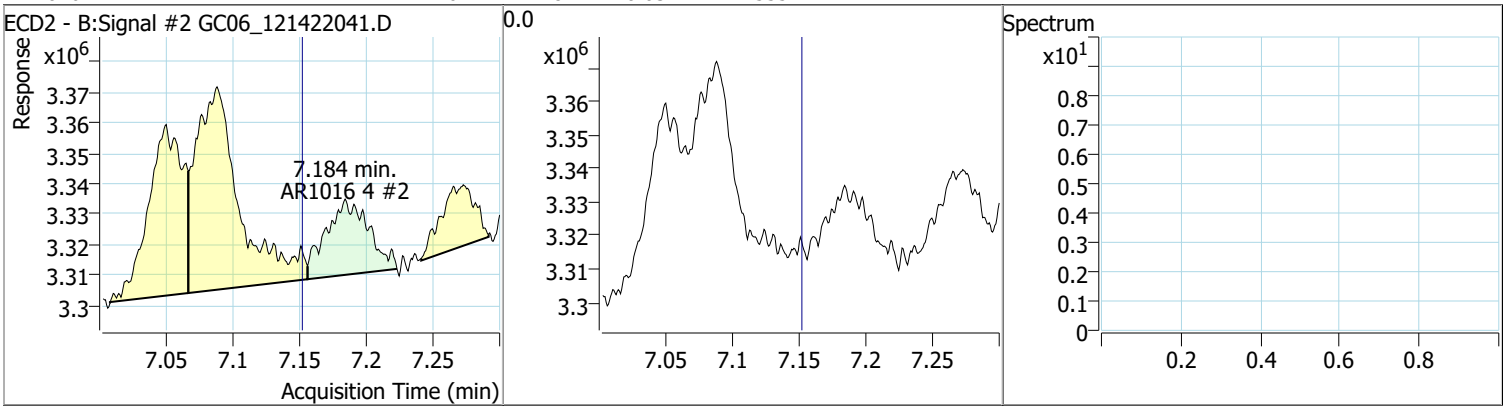
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	312.7219	6.67	0.10	642625				



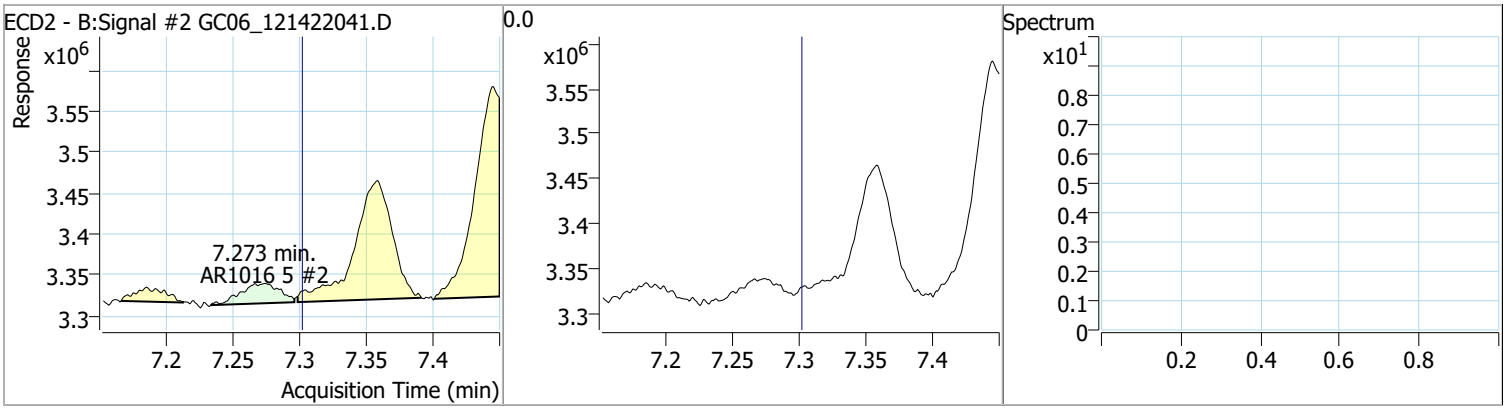
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	185.6613	7.09	0.12	3063534				



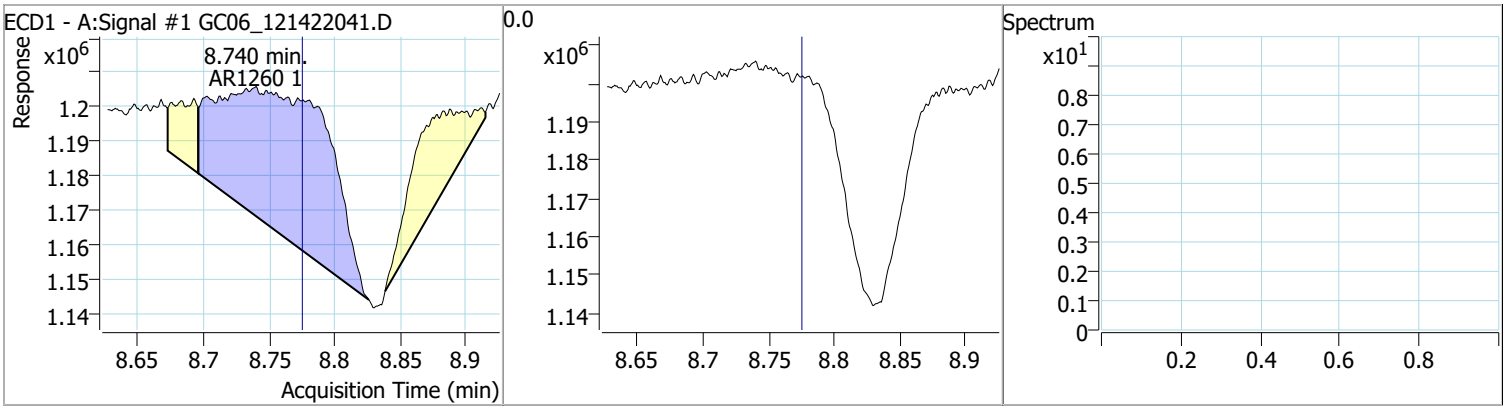
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	4.7126	7.18	0.03	55514				



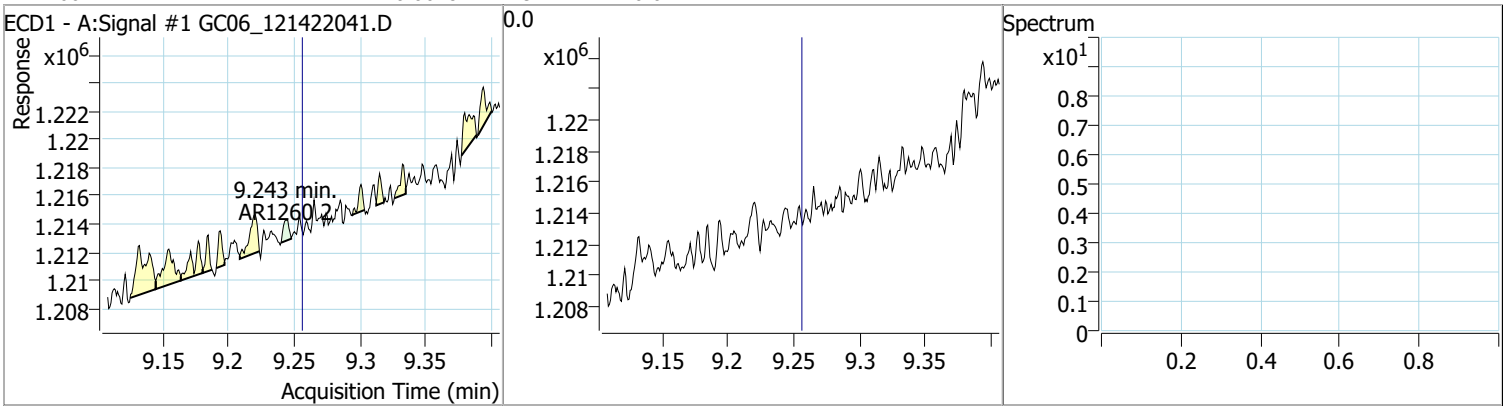
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	5.2595	7.27	-0.03	50362				



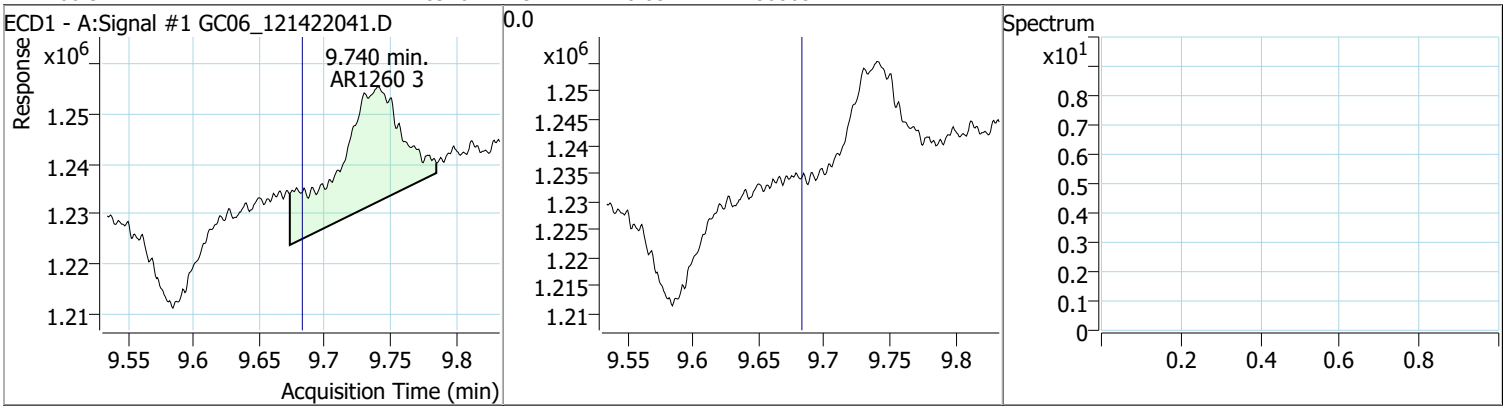
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	57.5297	8.74	-0.04	245458				



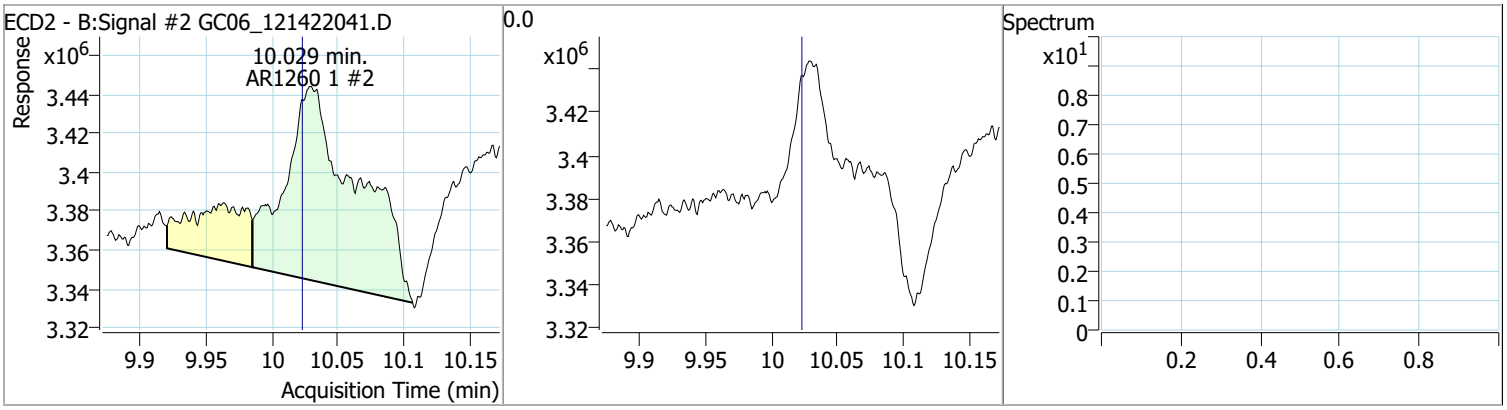
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.0678	9.24	-0.02	441				



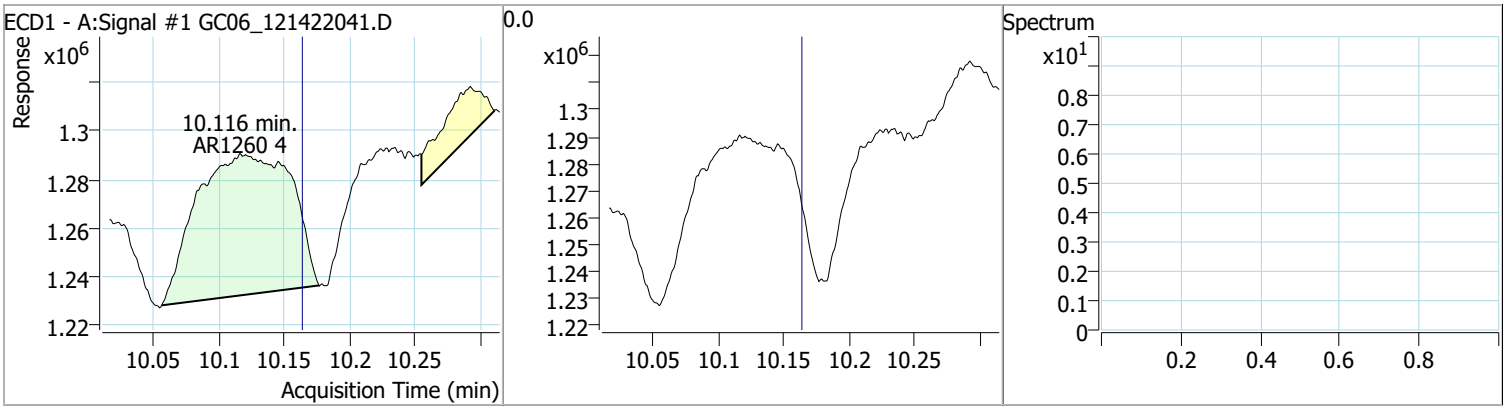
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	11.8970	9.74	0.05	80865				



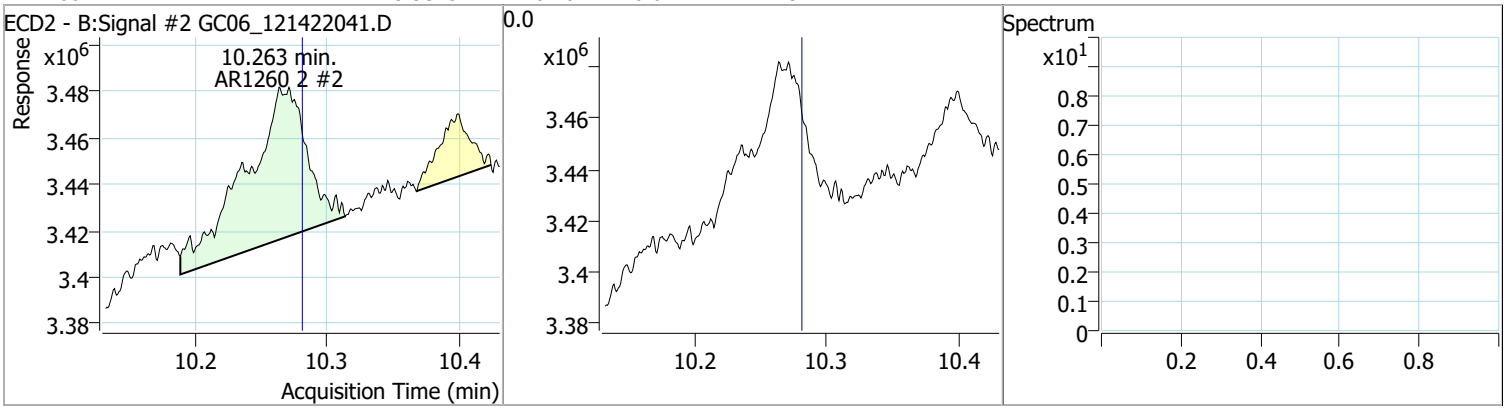
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	21.5334	10.03	0.00	387889				



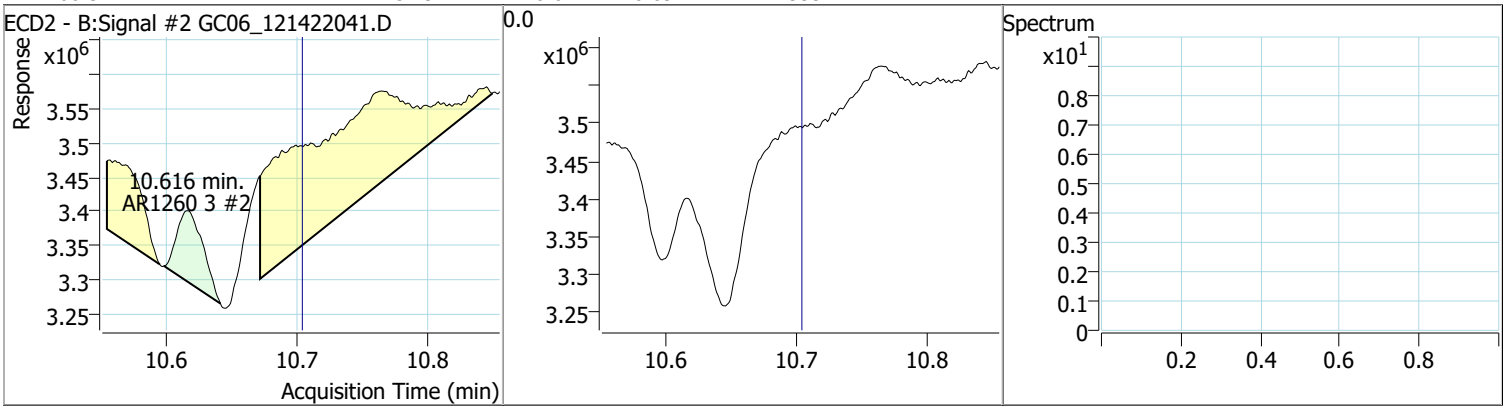
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	65.8023	10.12	-0.05	291668				



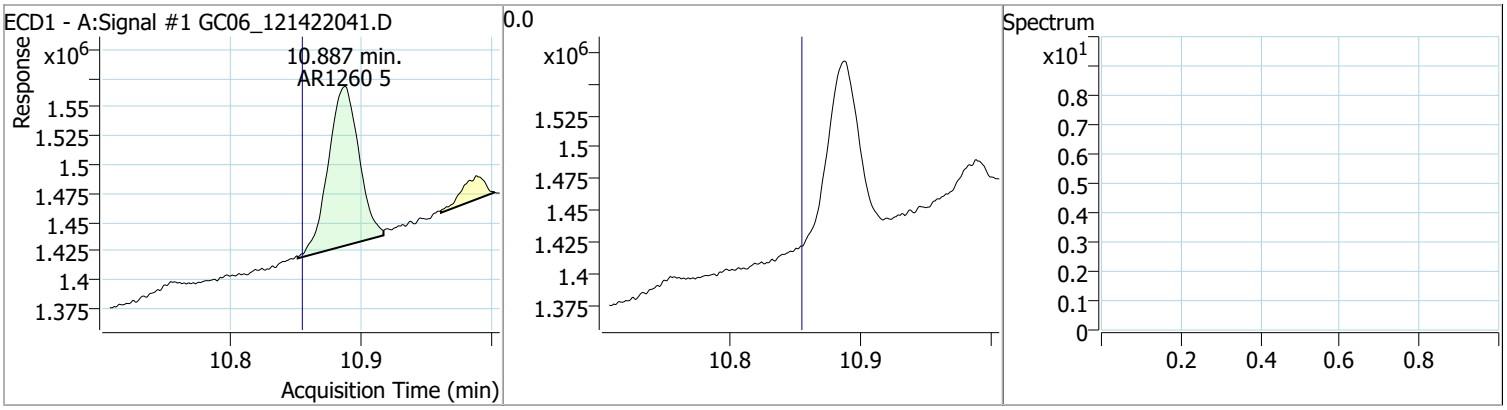
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	9.9325	10.26	-0.02	214974				



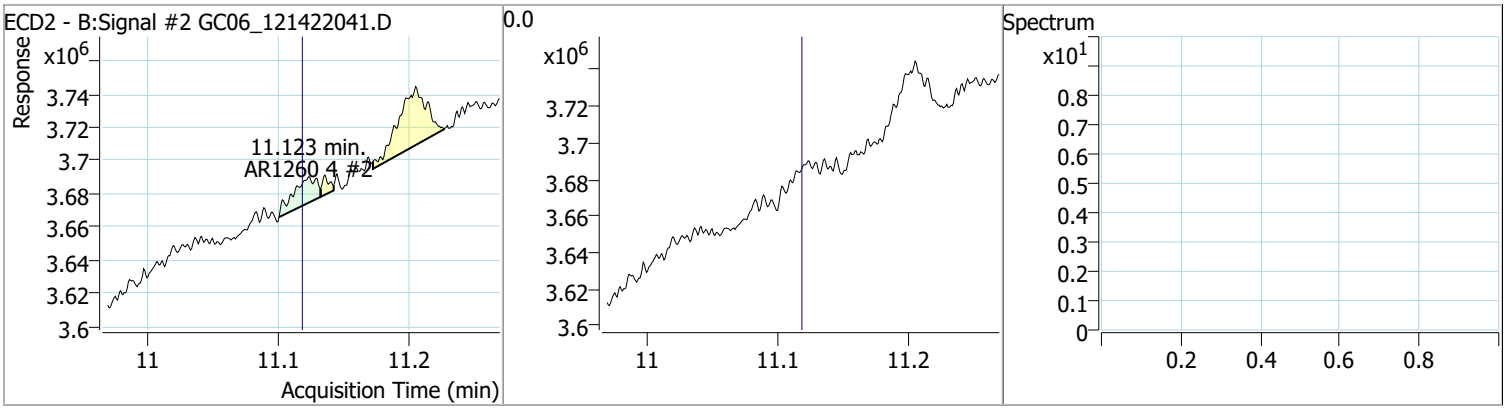
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	5.2927	10.62	-0.09	144999				



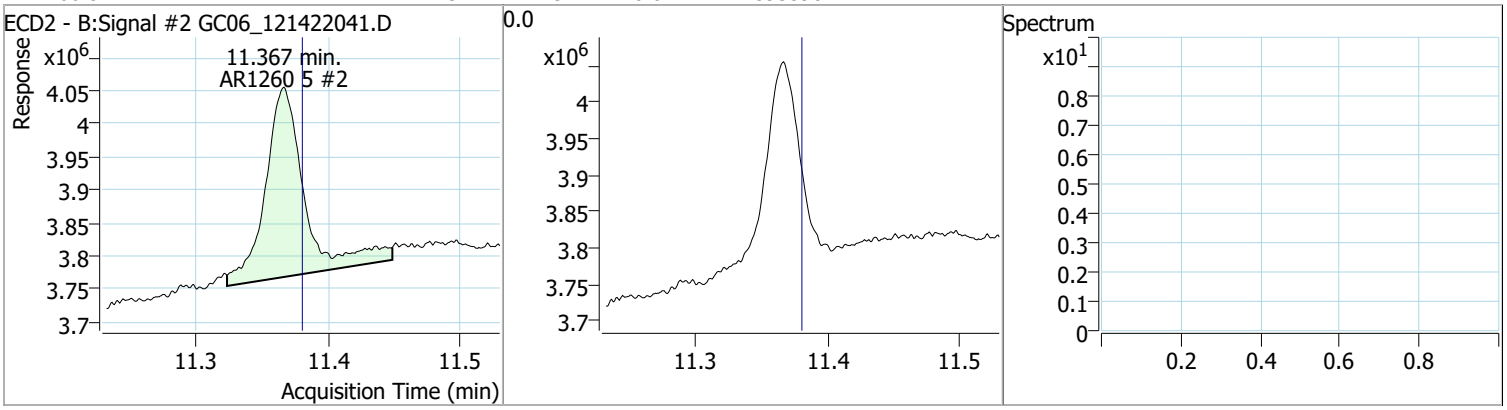
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	11.8393	10.89	0.03	226547				



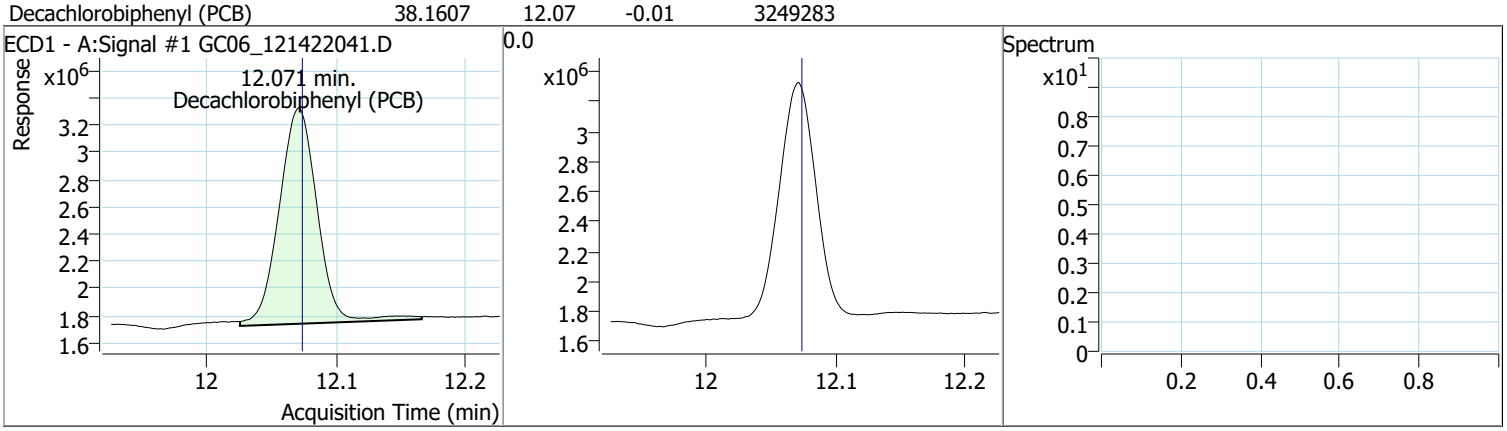
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.12	0.00	19742				



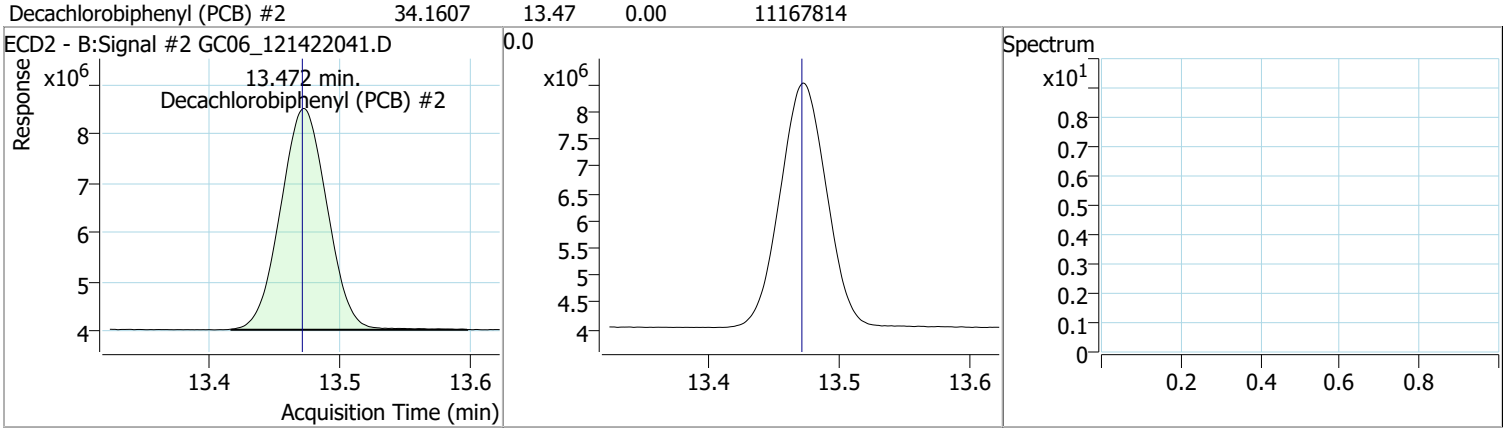
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	7.4143	11.37	-0.02	593598				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	38.1607	12.07	-0.01	3249283				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	34.1607	13.47	0.00	11167814				



ENTHALPY SPIKE USER REPORT FOR 474713 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC06	Inst:	SVOA-GC06
Seqnum:	452501809042.2	Seqnum:	452501809043.2
File:	gc06_121422042	File:	gc06_121422043
IDF:	1.0	IDF:	1.0
Lab ID:	QC1031900	Lab ID:	QC1031901
Matrix:	Wipe	Matrix:	Wipe
Batch:	303182	Batch:	303182
Time:	15-DEC-2022 00:36	Time:	15-DEC-2022 00:54
Cal:	452428510002	Cal:	452428510002
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	391.0	3.910	B	78	467.2	4.672	B	93	60-140	18	20	u
Aroclor-1016 Peak # 1		370.1	3.701	B		445.1	4.451	B					
Aroclor-1016 Peak # 2		543.6	5.436	B		643.7	6.437	B					
Aroclor-1016 Peak # 3		385.9	3.859	B		449.3	4.493	B					
Aroclor-1016 Peak # 4		367.1	3.671	B		445.6	4.456	B					
Aroclor-1016 Peak # 5		288.1	2.881	B		352.4	3.524	B					
Aroclor-1260	5.000	378.0	3.780	B	76	446.8	4.468	B	89	60-140	17	20	u
Aroclor-1260 Peak # 1		355.5	3.555	B		429.7	4.297	B					
Aroclor-1260 Peak # 2		357.8	3.578	B		436.5	4.365	B					
Aroclor-1260 Peak # 3		340.3	3.403	B		407.1	4.071	B					
Aroclor-1260 Peak # 4		348.3	3.483	B		378.5	3.785	B					
Aroclor-1260 Peak # 5		488.1	4.881	B		582.2	5.822	B					
Surrogates													
TCMX (PCB)	0.5000	37.12	0.3712	B	74	45.52	0.4552	B	91	19-121			u
Decachlorobiphenyl (PCB)	0.5000	31.71	0.3171	B	63	39.43	0.3943	B	79	19-121			c+ u

ISTD (CCV gc06_121422036)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5560467	5715755	2.79
1-bromo-2-nitrobenzene (PCB)	A	1170615	1210075	3.37

ISTD (CCV gc06_121422036)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

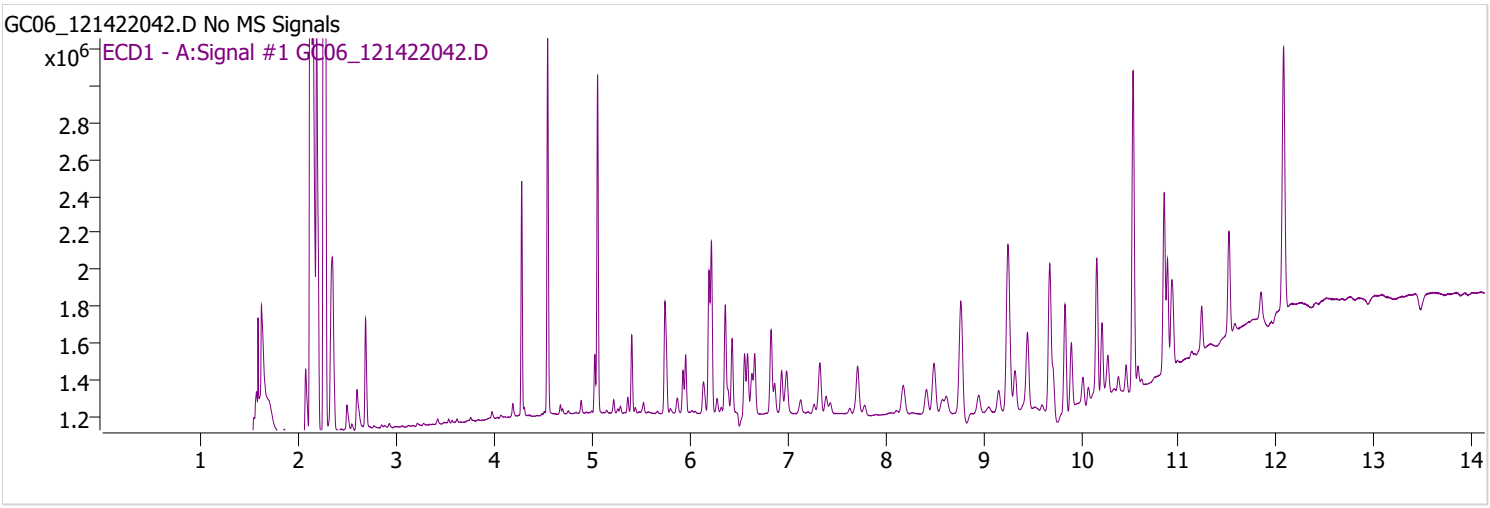
ISTD (CCV gc06_121422036)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5560467	5420568	-2.52
1-bromo-2-nitrobenzene (PCB)	A	1170615	1156450	-1.21

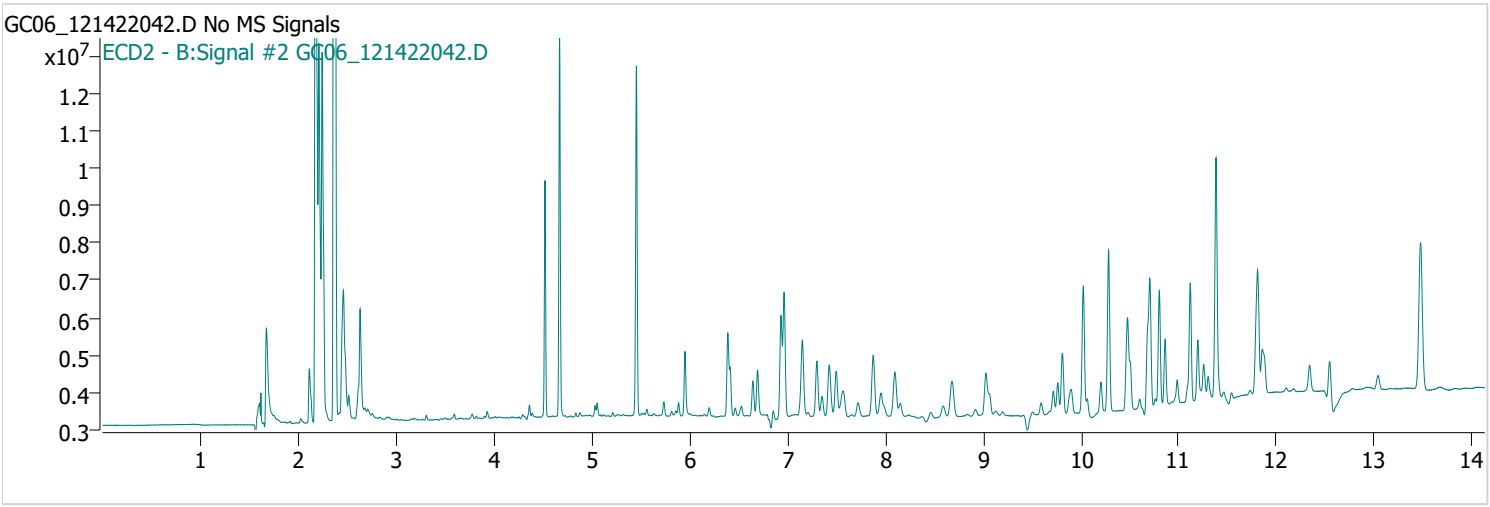
ISTD (CCV gc06_121422036)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

Analyst: TRN 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422042.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 12:36:27 AM
Sample Name	QC1031900, 303182, 1	Instrument	SVOA-GC06
Vial	25	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



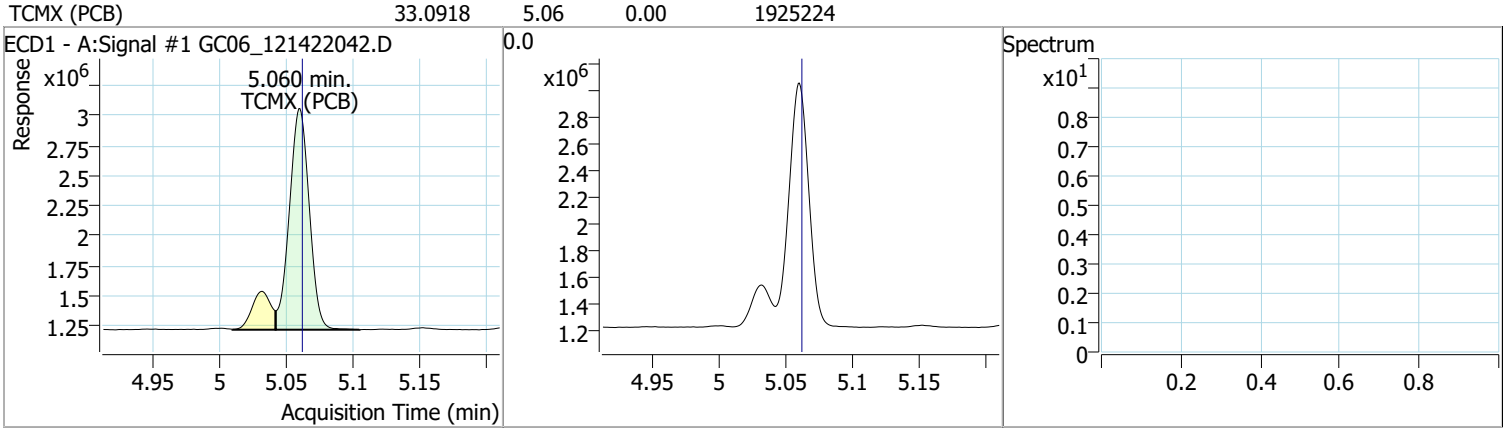


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	1210074.998	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.523	0.0	5715755.202	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.060	0.0	1925223.577	33.0918	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 165.46%		*	
S TCMX (PCB) #2	5.456	0.0	10189302.759	37.1200	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 185.60%		*	
S Decachlorobiphenyl (PCB)	12.071	0.0	2926877.805	35.5854	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 177.93%		*	
S Decachlorobiphenyl (PCB) #2	13.471	0.0	9833233.023	31.7099	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 158.55%		*	
Target Compounds							QValue

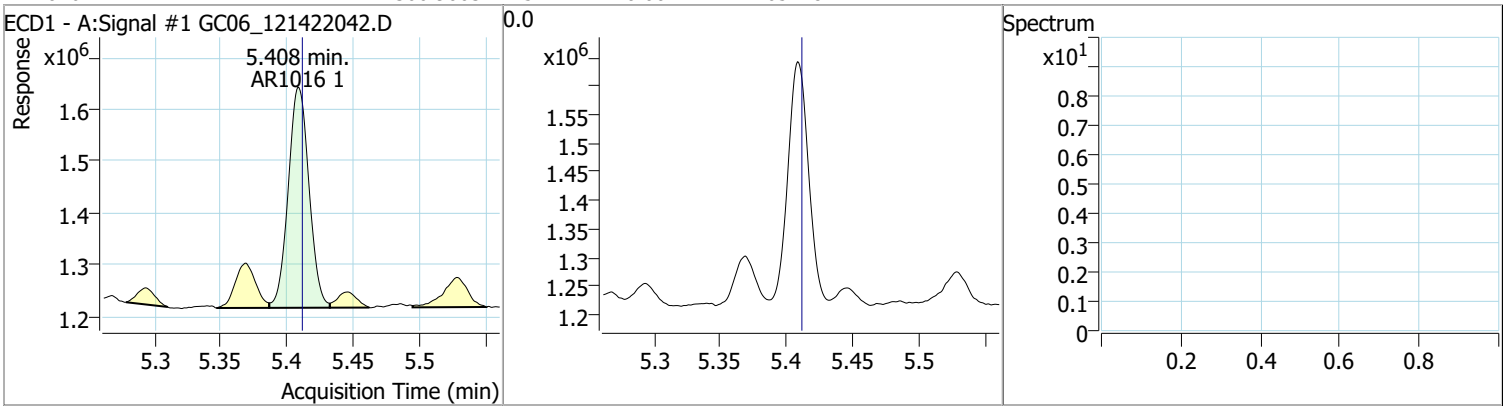
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.408	0.0	465477.927	366.9003	ng/ml	100
T AR1016 2	5.748	0.0	1020425.106	389.1285	ng/ml	100
T AR1016 1 #2	5.953	0.0	2198877.668	370.1497	ng/ml	100
T AR1016 3	6.223	0.0	1245519.407	387.2149	ng/ml	100
T AR1016 4	6.365	0.0	376239.535	153.7913	ng/ml	100
T AR1016 2 #2	6.391	0.0	4661818.496	543.6273	ng/ml	100
T AR1016 5	6.562	0.0	585796.369	297.2843	ng/ml	100
T AR1016 3 #2	6.965	0.0	6012953.389	385.9019	ng/ml	100
T AR1016 4 #2	7.152	0.0	4083268.268	367.0744	ng/ml	100
T AR1016 5 #2	7.301	0.0	2605202.232	288.1245	ng/ml	100
T AR1260 1	8.772	0.0	1830639.307	447.4481	ng/ml	100
T AR1260 2	9.253	0.0	2273201.933	364.5377	ng/ml	100
T AR1260 3	9.681	0.0	2141611.989	328.5778	ng/ml	100
T AR1260 1 #2	10.023	0.0	6047951.776	355.5524	ng/ml	100
T AR1260 4	10.162	0.0	1357037.587	378.7556	ng/ml	100
T AR1260 2 #2	10.282	0.0	7313390.417	357.8344	ng/ml	100
T AR1260 3 #2	10.703	0.0	8803945.250	340.3160	ng/ml	100
T AR1260 5	10.850	0.0	1573778.199	198.7922	ng/ml	100
T AR1260 4 #2	11.117	0.0	5281762.687	348.3372	ng/ml	100
T AR1260 5 #2	11.380	0.0	10894583.306	488.0912	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

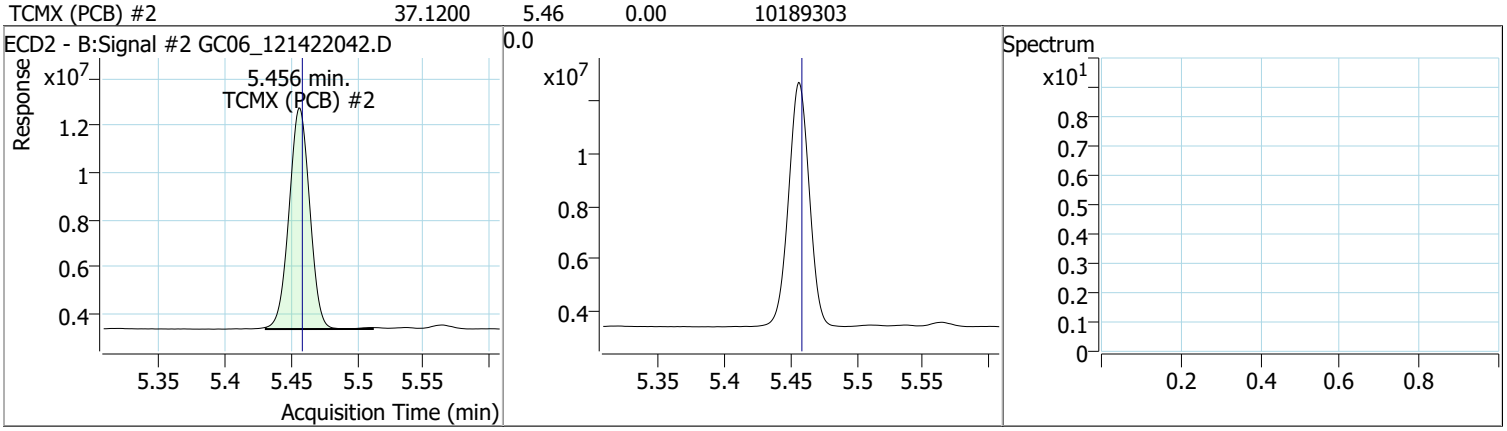
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	33.0918	5.06	0.00	1925224				



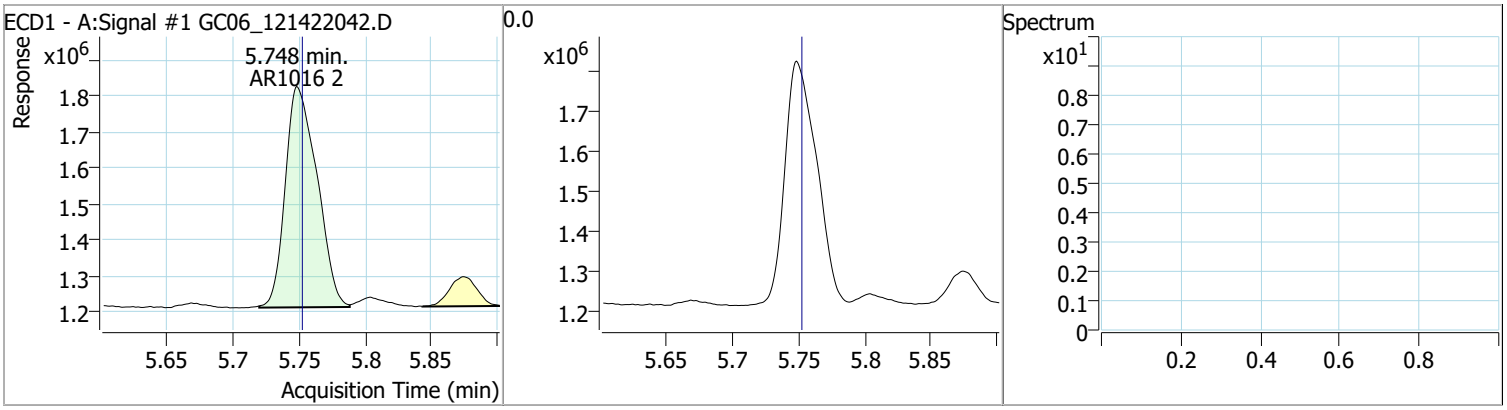
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	366.9003	5.41	0.00	465478				



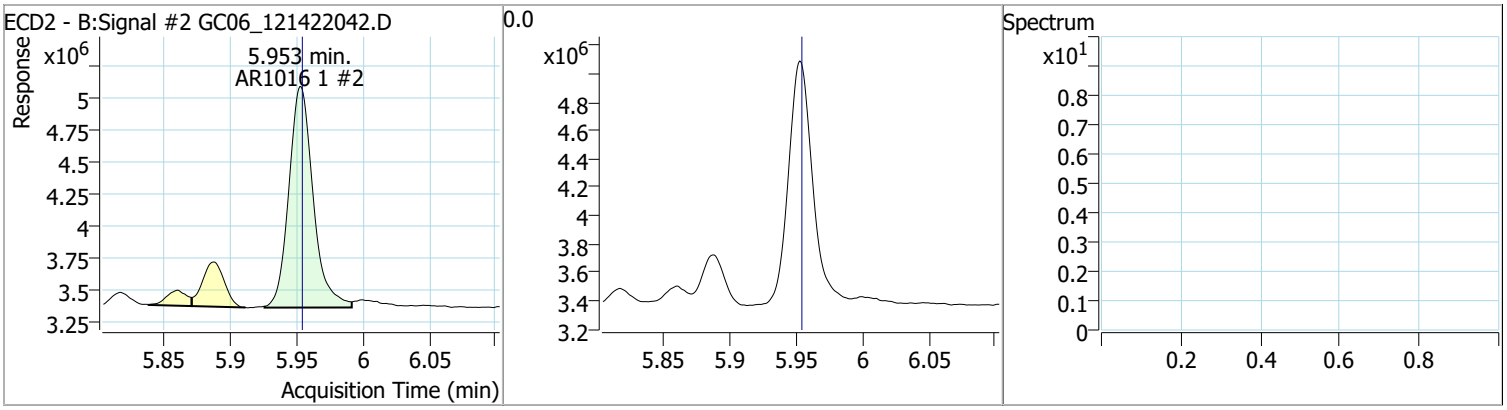
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.1200	5.46	0.00	10189303				



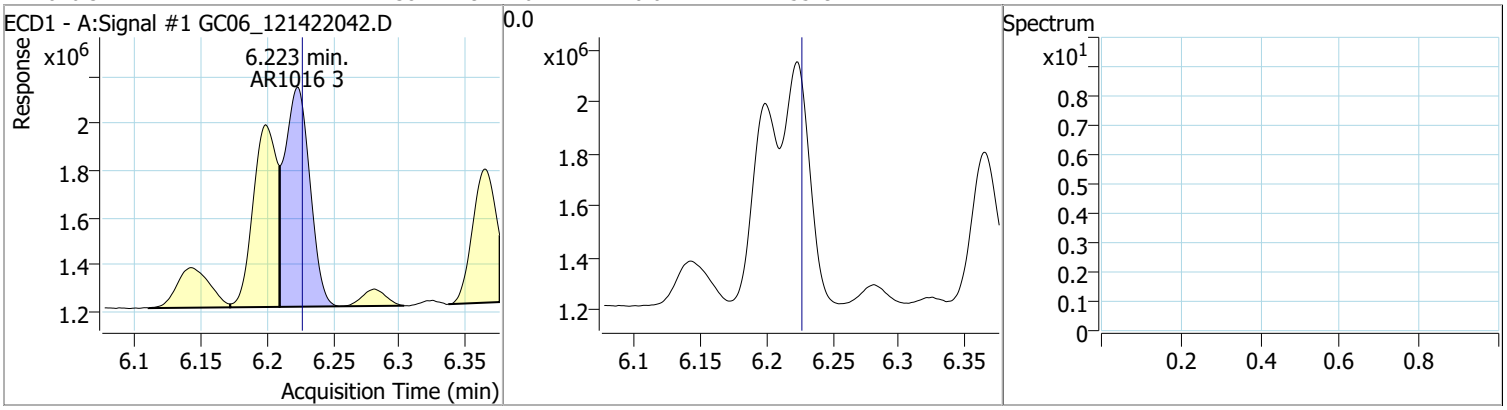
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	389.1285	5.75	-0.01	1020425				



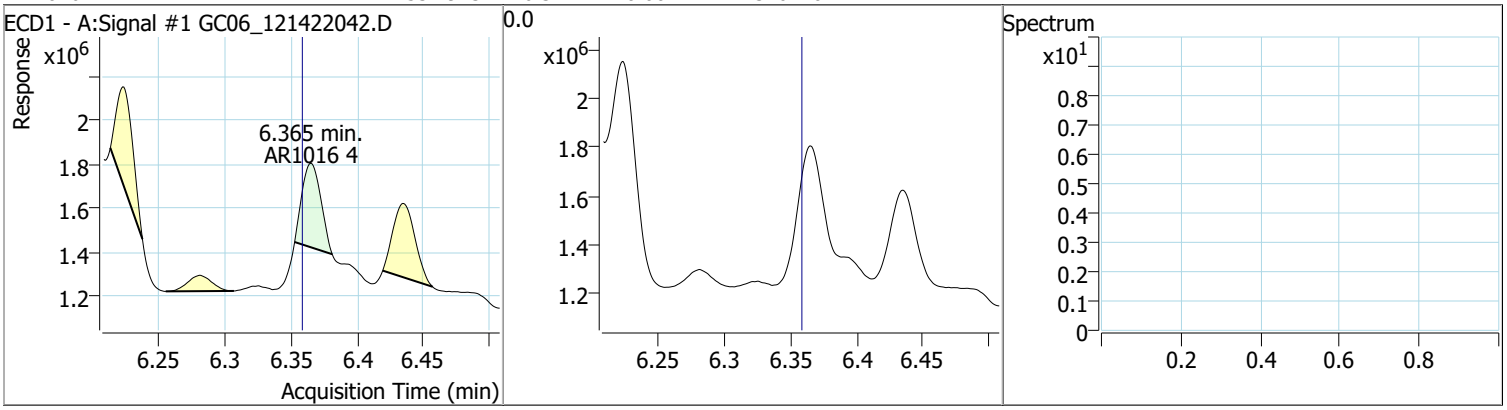
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	370.1497	5.95	0.00	2198878				



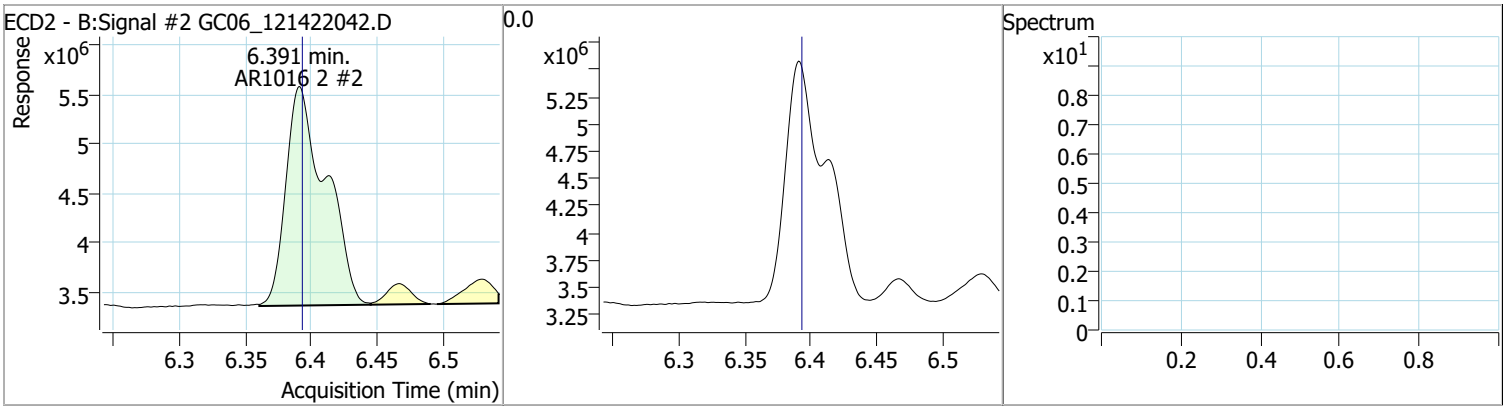
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	387.2149	6.22	-0.01	1245519				



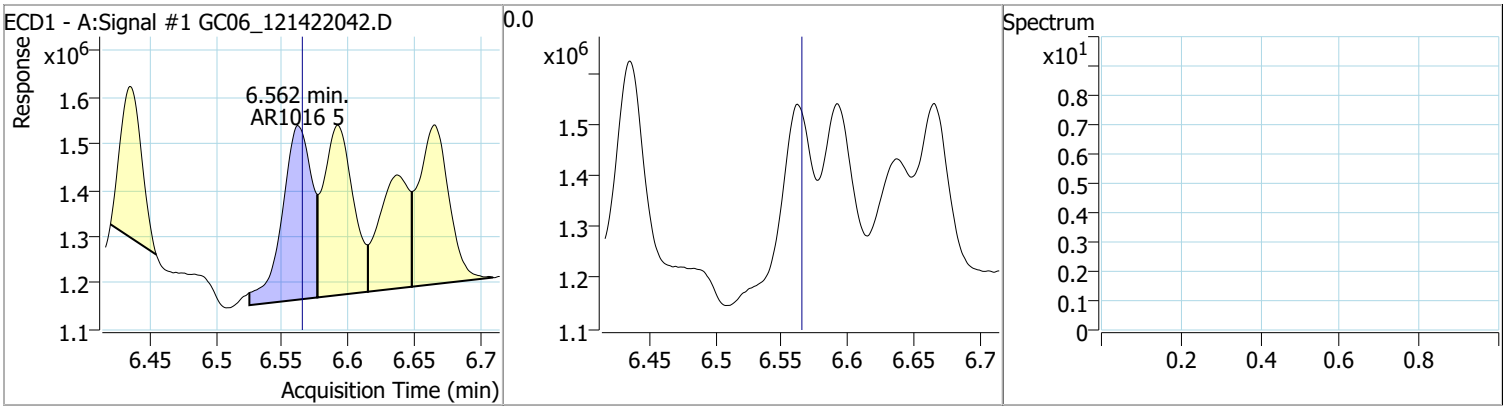
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	153.7913	6.37	0.00	376240				



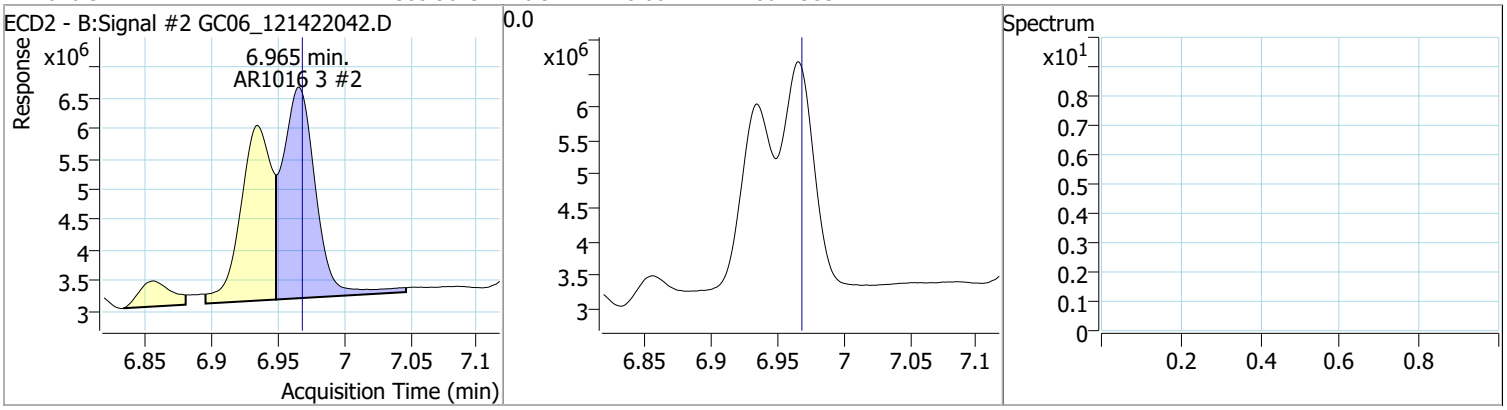
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	543.6273	6.39	0.00	4661818				



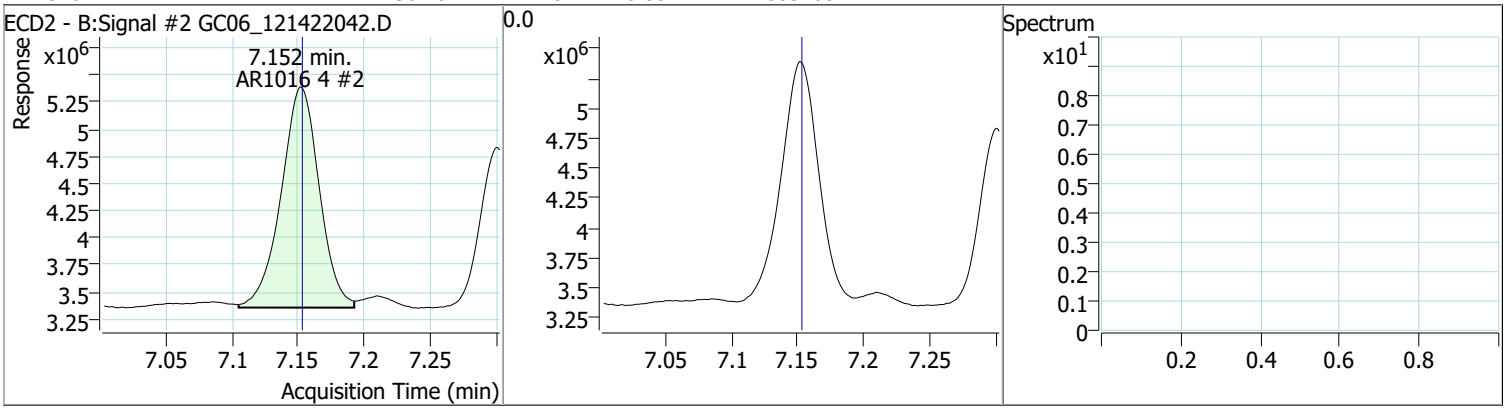
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	297.2843	6.56	-0.01	585796				



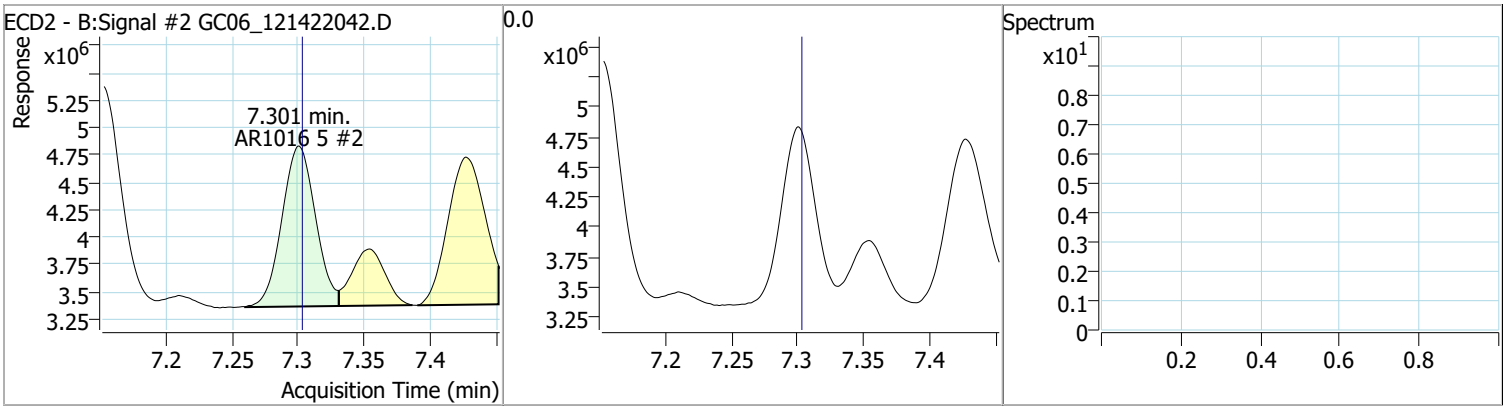
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	385.9019	6.97	0.00	6012953				



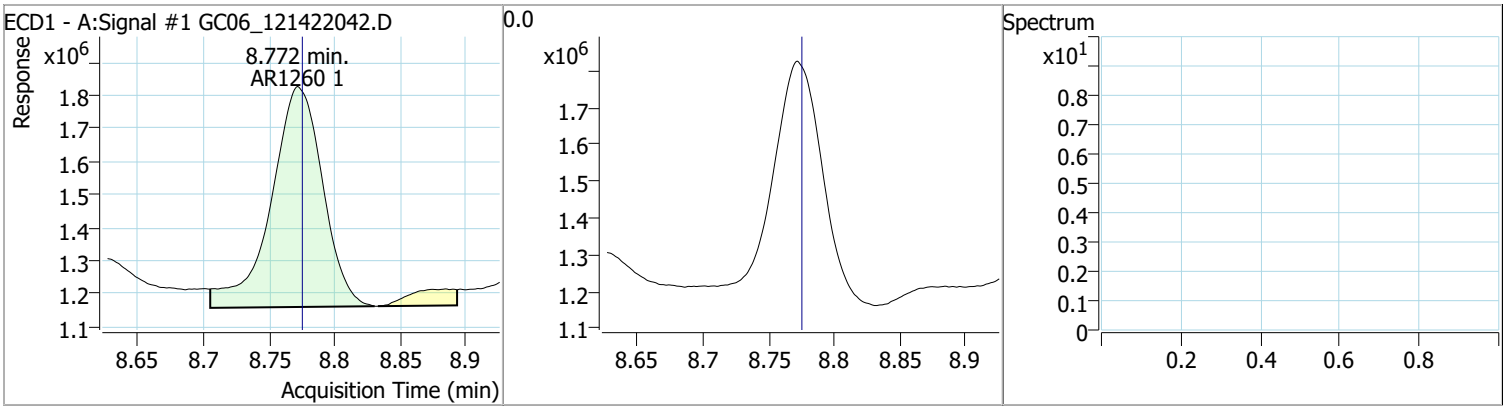
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	367.0744	7.15	0.00	4083268				



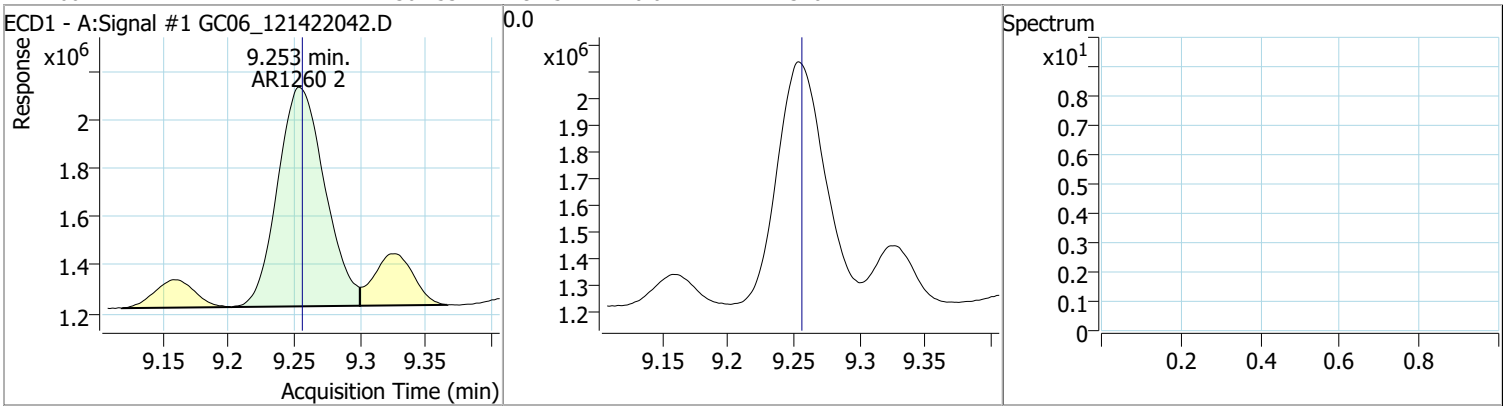
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	288.1245	7.30	0.00	2605202				



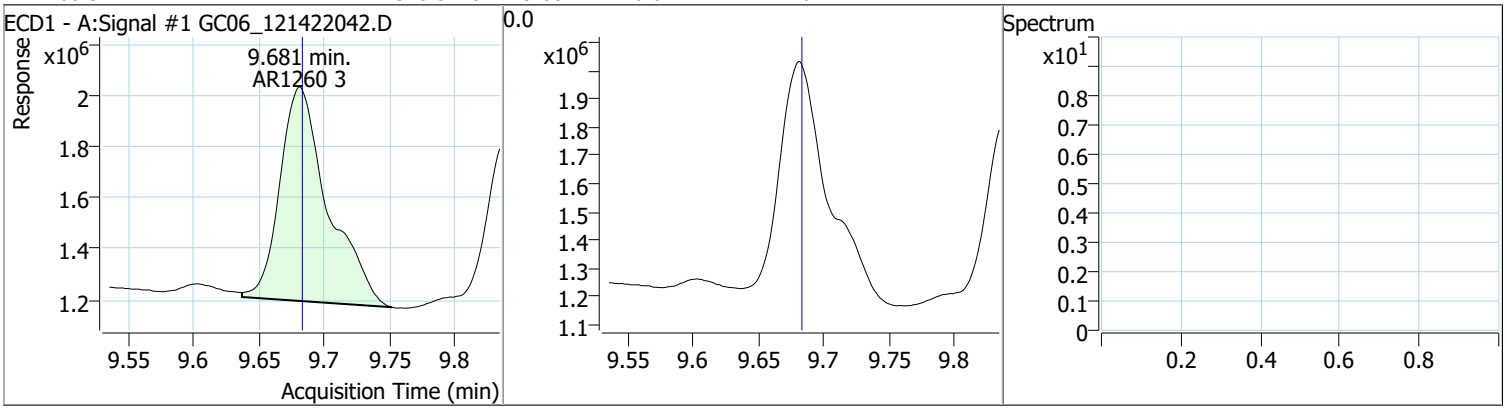
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	447.4481	8.77	-0.01	1830639				



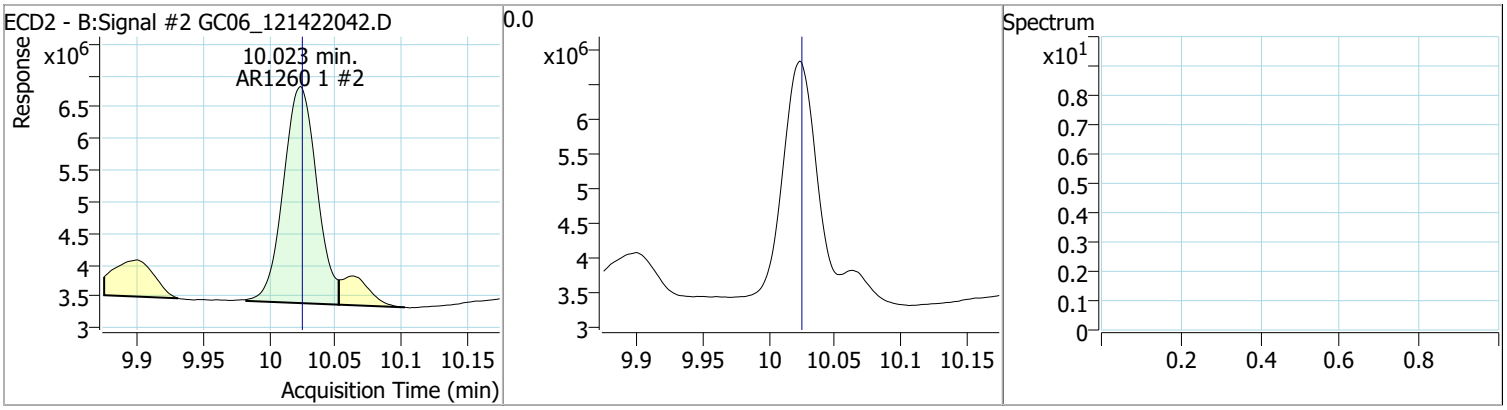
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	364.5377	9.25	-0.01	2273202				



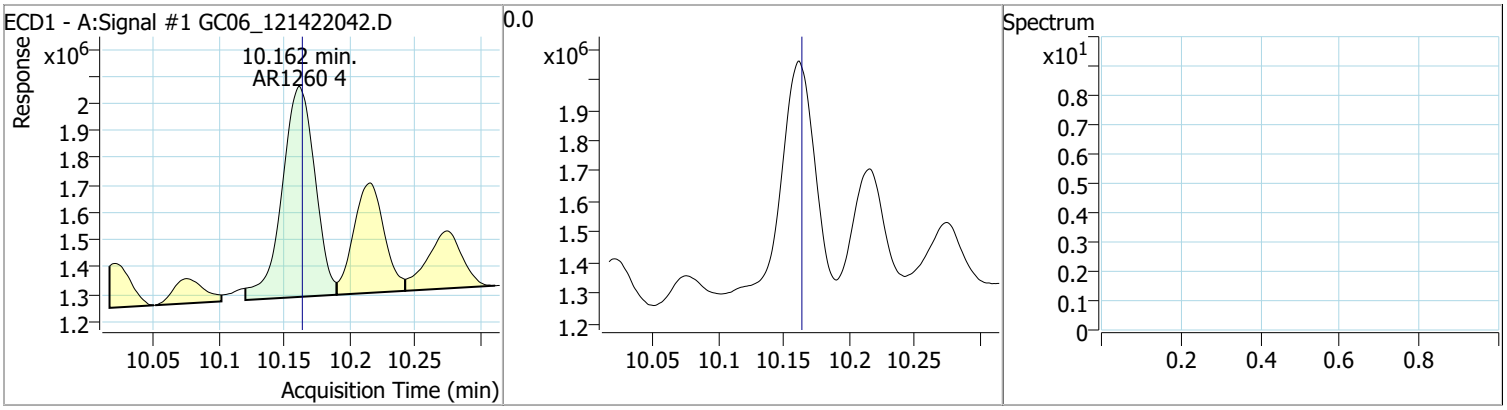
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	328.5778	9.68	-0.01	2141612				



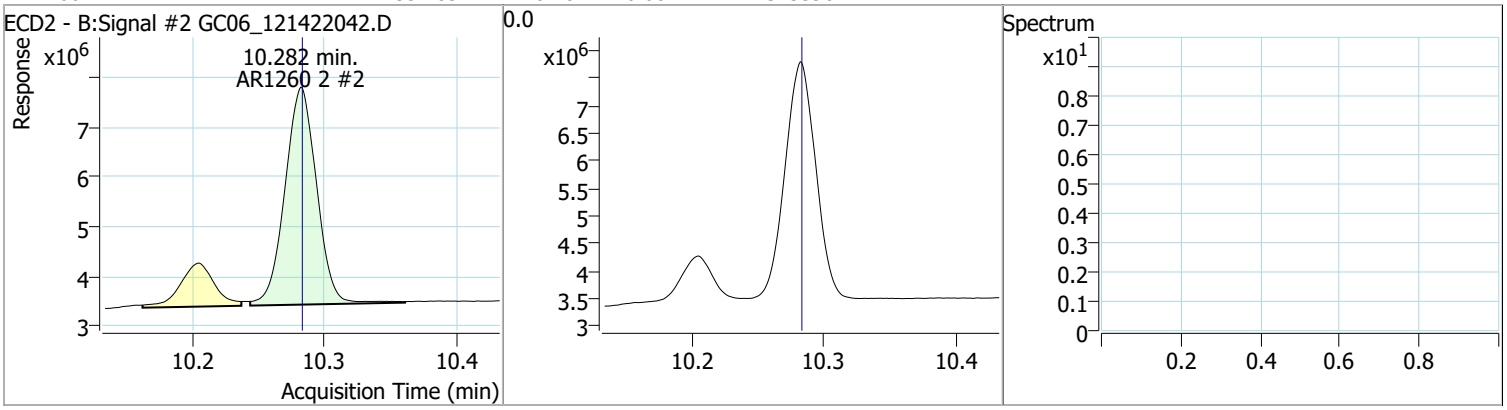
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	355.5524	10.02	0.00	6047952				



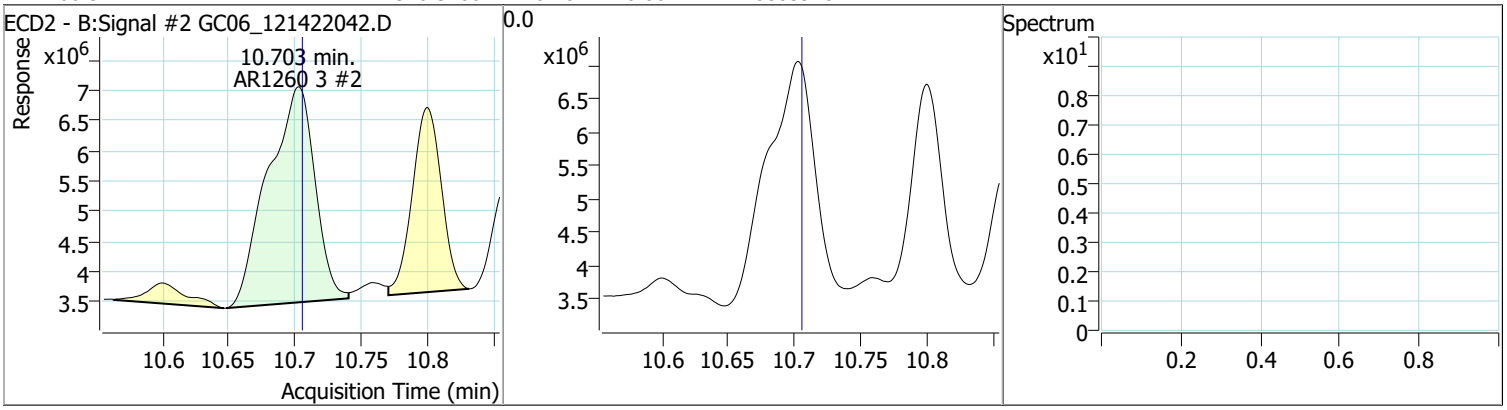
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	378.7556	10.16	-0.01	1357038				



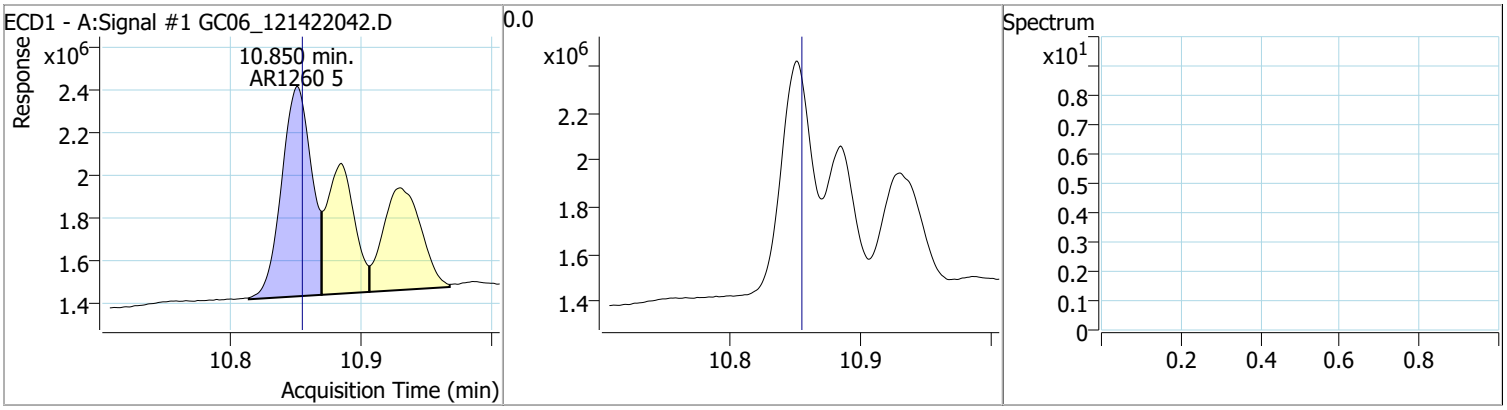
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	357.8344	10.28	0.00	7313390				



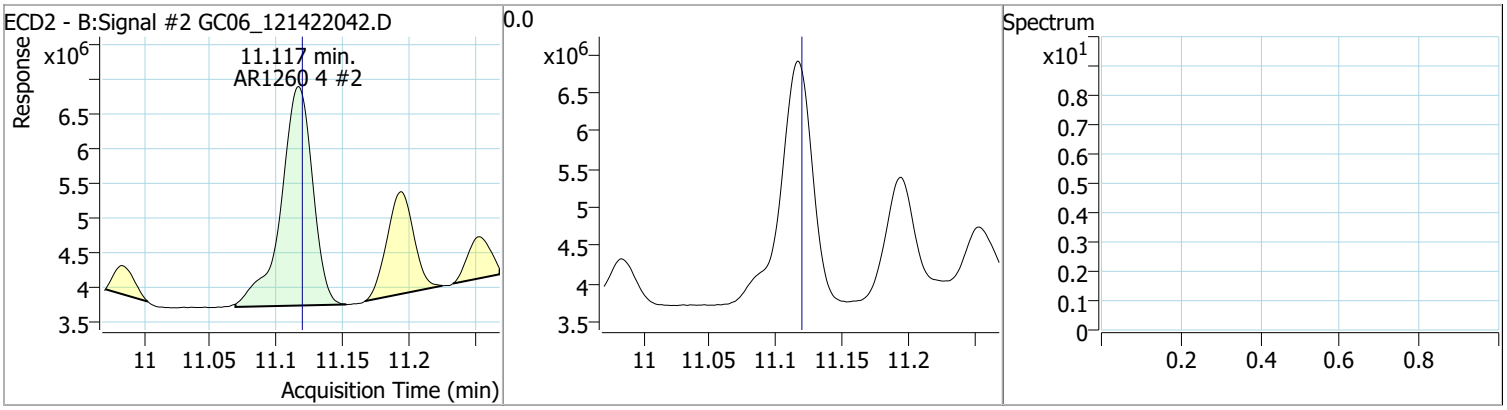
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	340.3160	10.70	0.00	8803945				



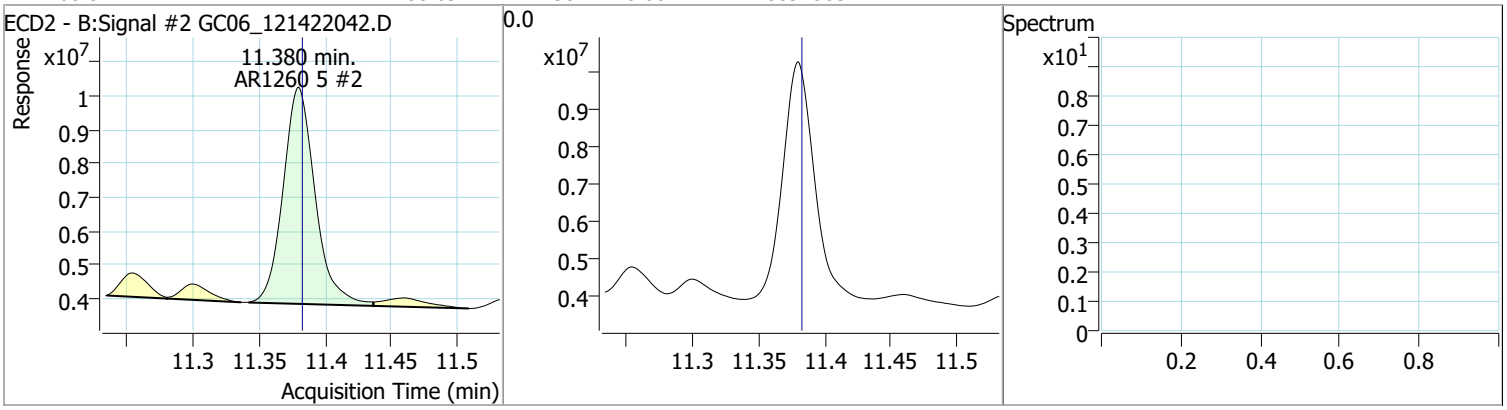
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	198.7922	10.85	-0.01	1573778				



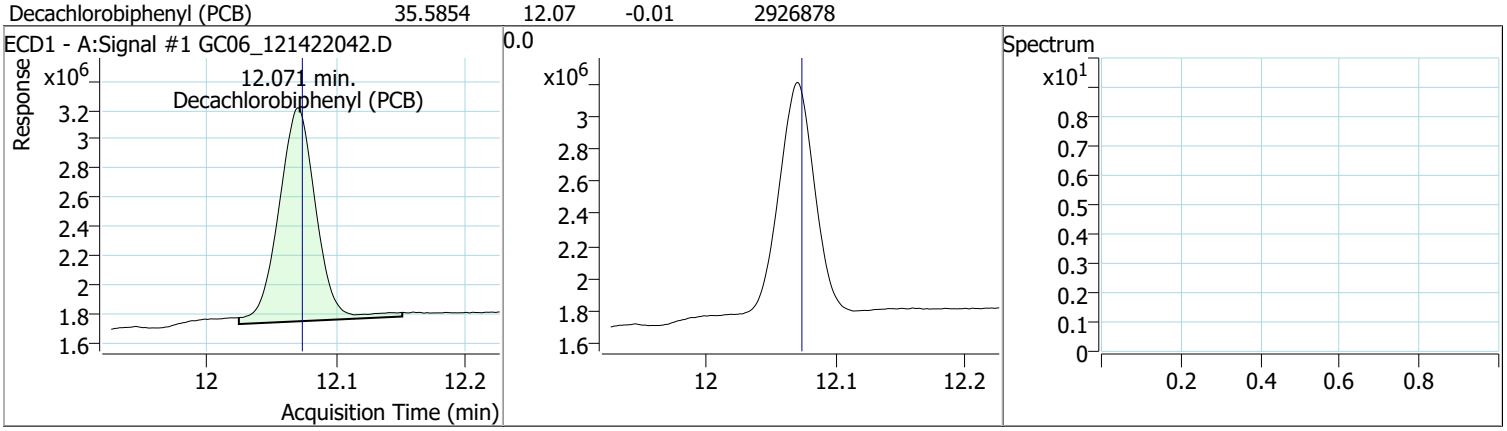
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	348.3372	11.12	0.00	5281763				



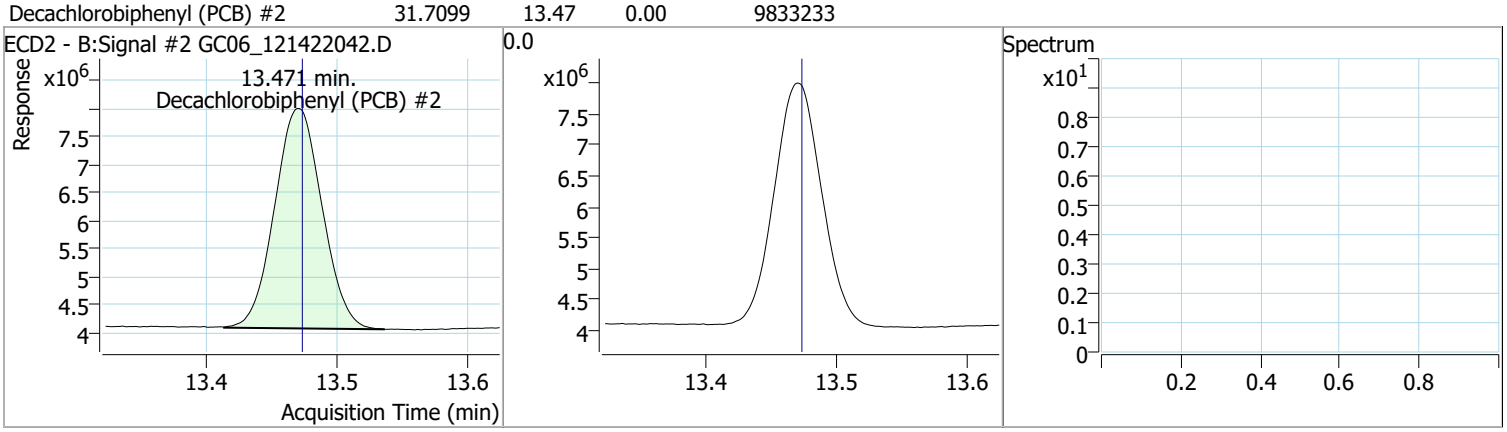
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	488.0912	11.38	0.00	10894583				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	35.5854	12.07	-0.01	2926878				

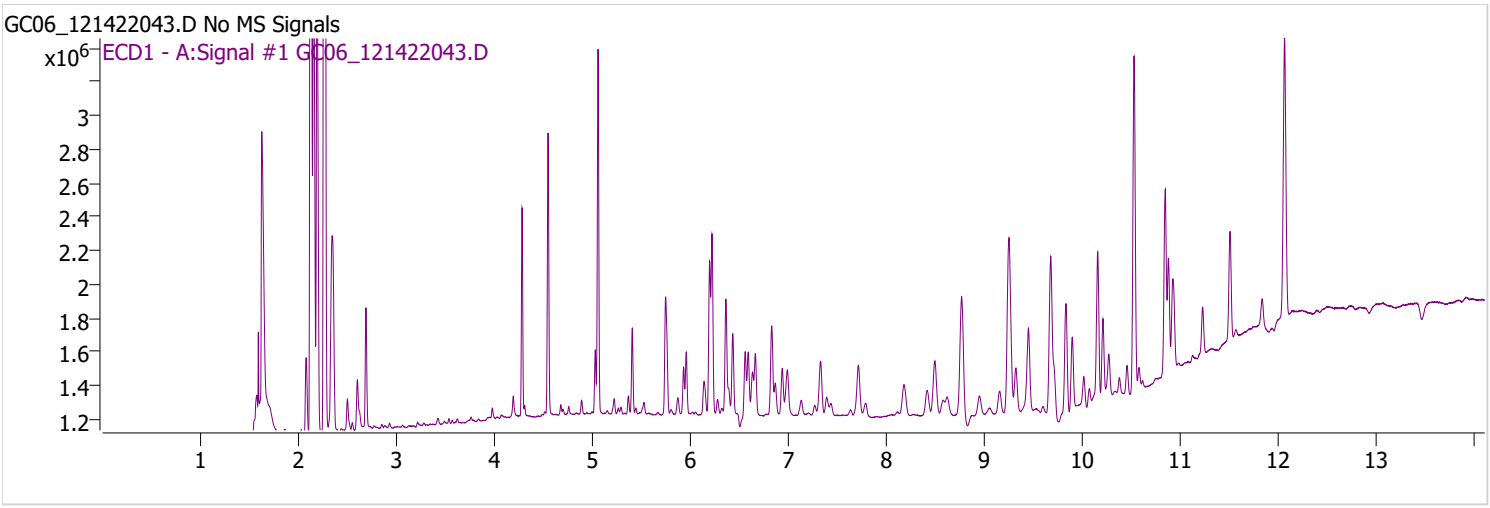


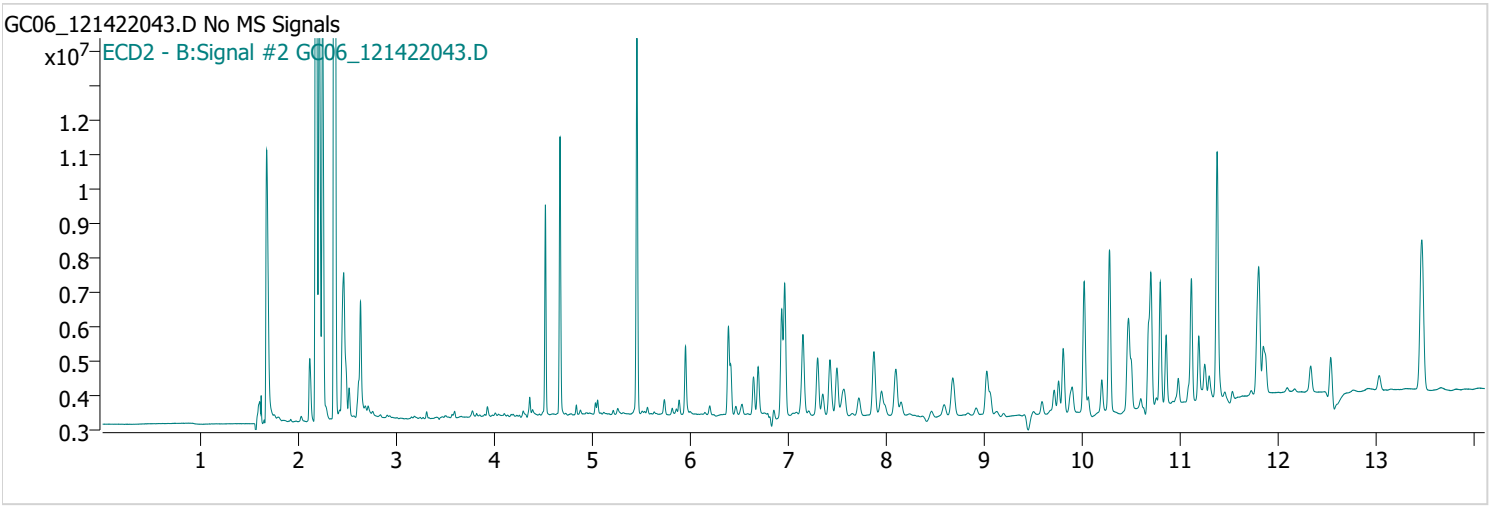
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	31.7099	13.47	0.00	9833233				



Quantitation Results Report (Not Reviewed)

Data File	GC06_121422043.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 12:54:47 AM
Sample Name	QC1031901, 303182, 1	Instrument	SVOA-GC06
Vial	26	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



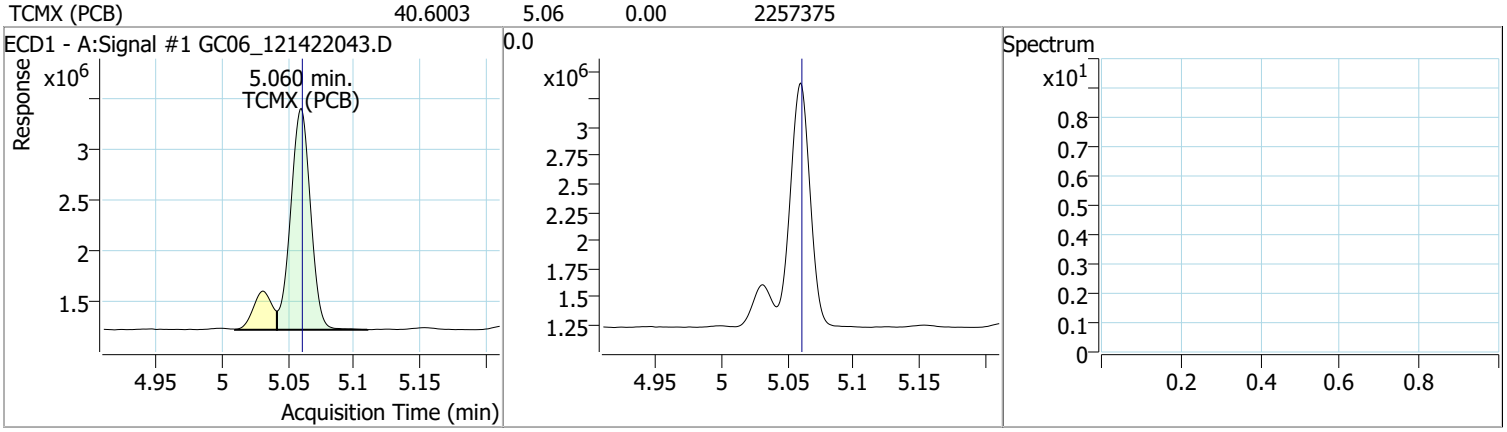


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.283	0.0	1156450.106	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	5420567.778	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.060	0.0	2257375.328	40.6003	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 203.00%		*	
S TCMX (PCB) #2	5.457	0.0	11850261.637	45.5219	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 227.61%		*	
S Decachlorobiphenyl (PCB)	12.069	0.0	3340721.183	43.3403	ng/ml		-0.009
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 216.70%		*	
S Decachlorobiphenyl (PCB) #2	13.471	0.0	11453880.701	39.4299	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.15%		*	
Target Compounds							QValue

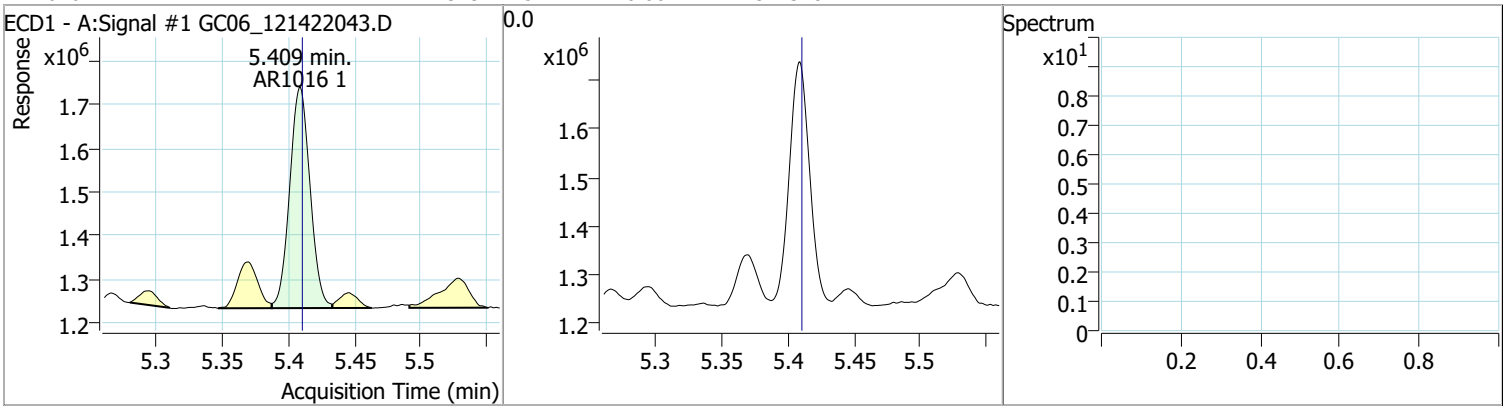
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.409	0.0	542328.486	447.2979	ng/ml	100
T AR1016 2	5.750	0.0	1165477.866	468.0545	ng/ml	100
T AR1016 1 #2	5.953	0.0	2507681.099	445.1204	ng/ml	100
T AR1016 3	6.223	0.0	1446395.259	470.5155	ng/ml	100
T AR1016 4	6.365	0.0	1284129.473	549.2393	ng/ml	100
T AR1016 2 #2	6.391	0.0	5234879.848	643.6969	ng/ml	100
T AR1016 5	6.563	0.0	676627.786	359.3028	ng/ml	100
T AR1016 3 #2	6.965	0.0	6639271.950	449.3020	ng/ml	100
T AR1016 4 #2	7.152	0.0	4700423.748	445.5661	ng/ml	100
T AR1016 5 #2	7.302	0.0	3022155.427	352.4393	ng/ml	100
T AR1260 1	8.772	0.0	1894280.480	484.4730	ng/ml	100
T AR1260 2	9.256	0.0	2611143.835	438.1478	ng/ml	100
T AR1260 3	9.682	0.0	2496173.345	400.7353	ng/ml	100
T AR1260 1 #2	10.023	0.0	6932034.409	429.7192	ng/ml	100
T AR1260 4	10.162	0.0	1548188.988	455.1356	ng/ml	100
T AR1260 2 #2	10.282	0.0	8460028.565	436.4797	ng/ml	100
T AR1260 3 #2	10.703	0.0	9988886.938	407.1467	ng/ml	100
T AR1260 5	10.852	0.0	1797230.018	241.0728	ng/ml	100
T AR1260 4 #2	11.118	0.0	5415590.781	378.5334	ng/ml	100
T AR1260 5 #2	11.381	0.0	12251430.504	582.2364	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

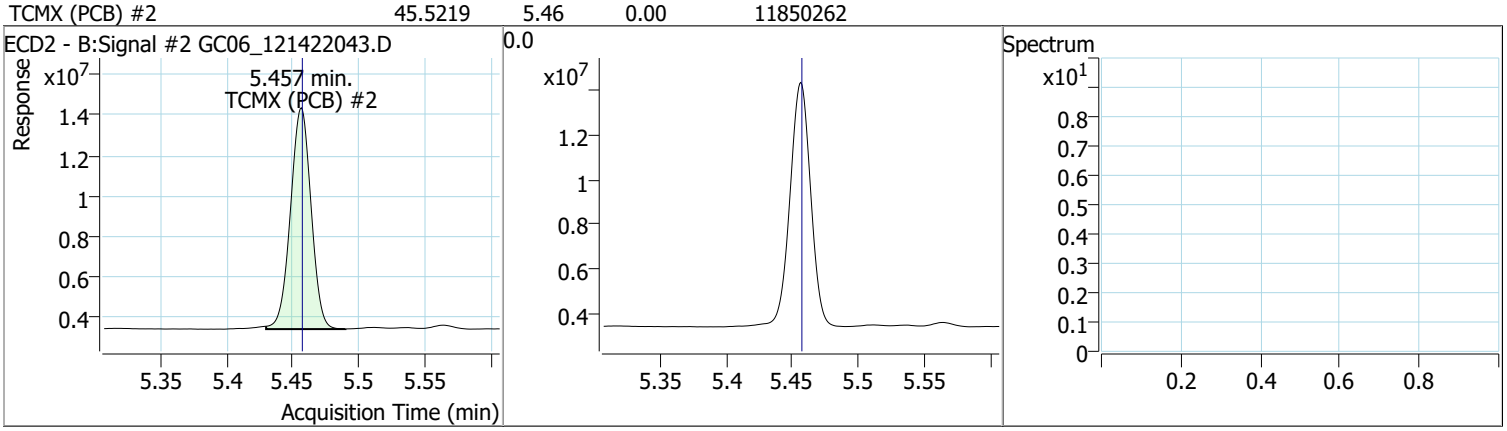
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	40.6003	5.06	0.00	2257375				



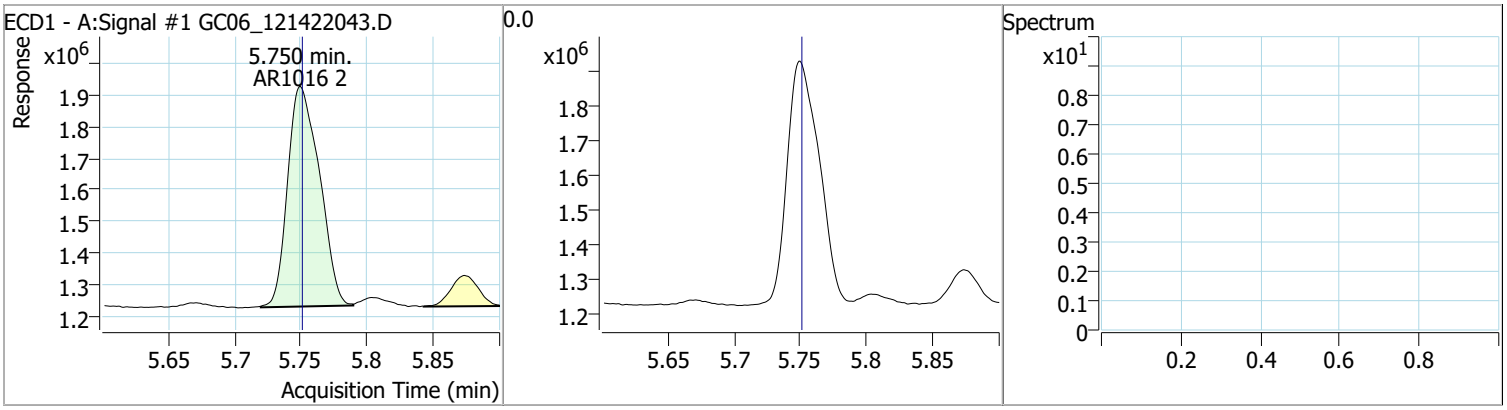
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	447.2979	5.41	0.00	542328				



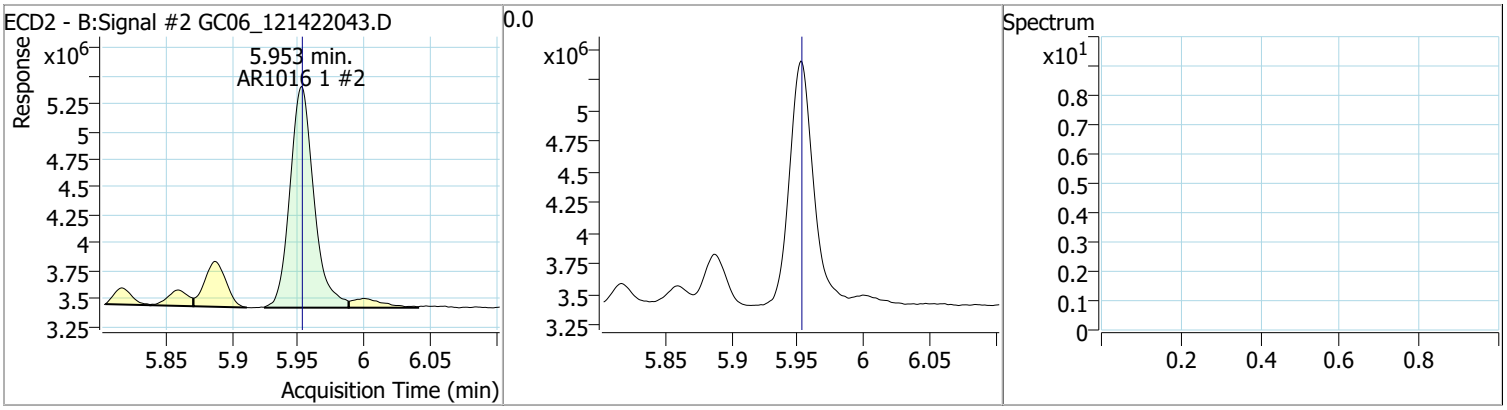
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	45.5219	5.46	0.00	11850262				



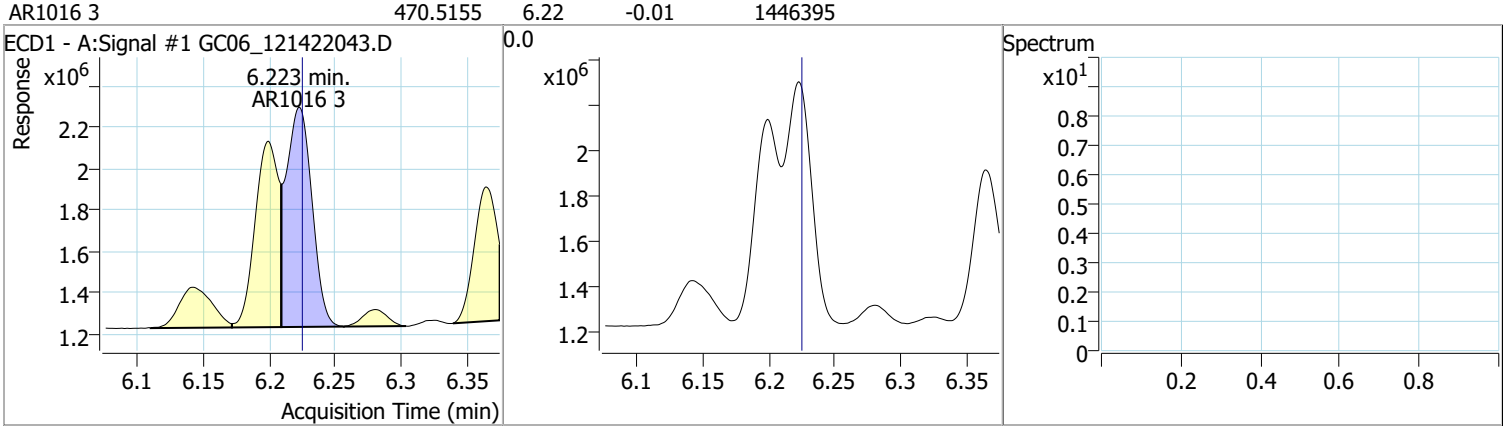
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	468.0545	5.75	0.00	1165478				



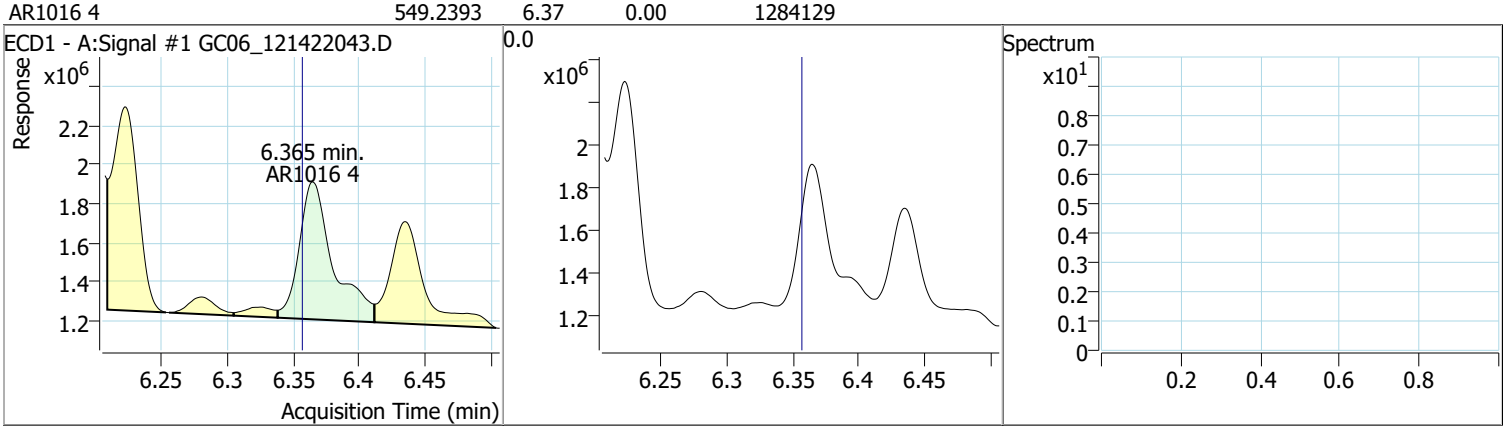
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	445.1204	5.95	0.00	2507681				



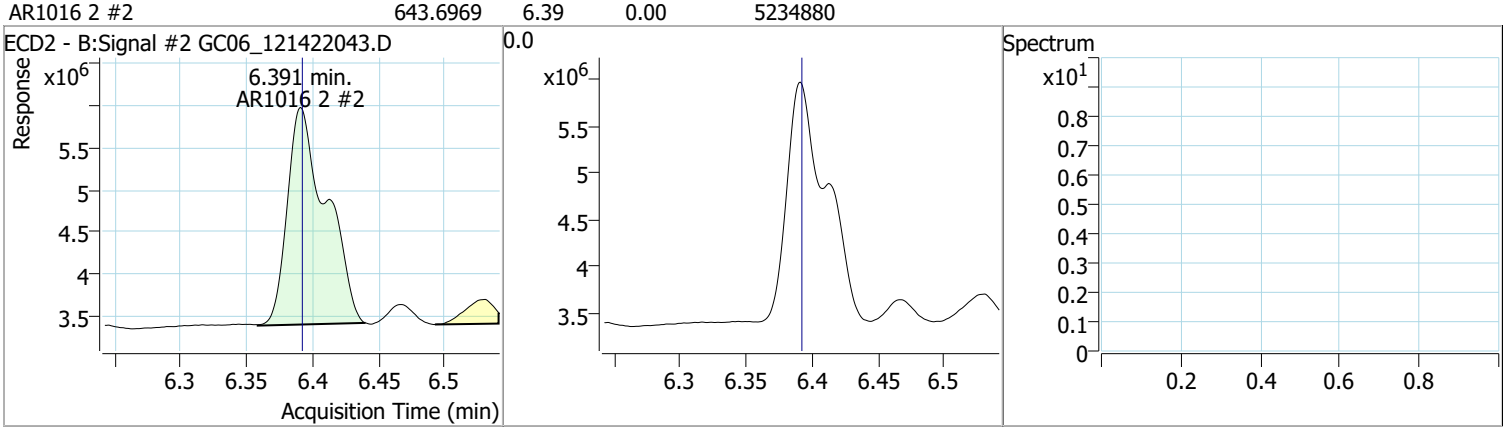
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	470.5155	6.22	-0.01	1446395				



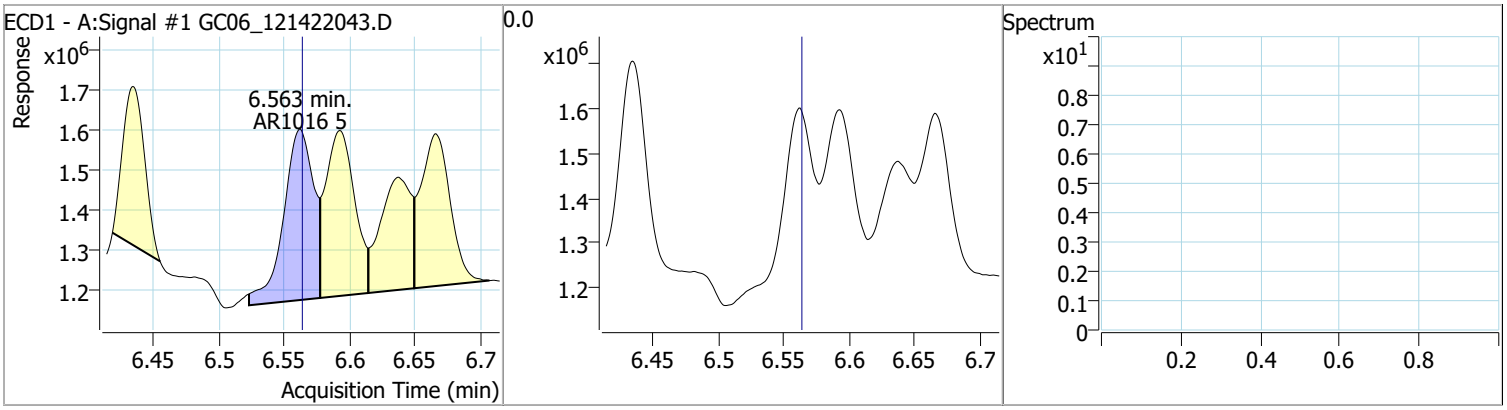
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	549.2393	6.37	0.00	1284129				



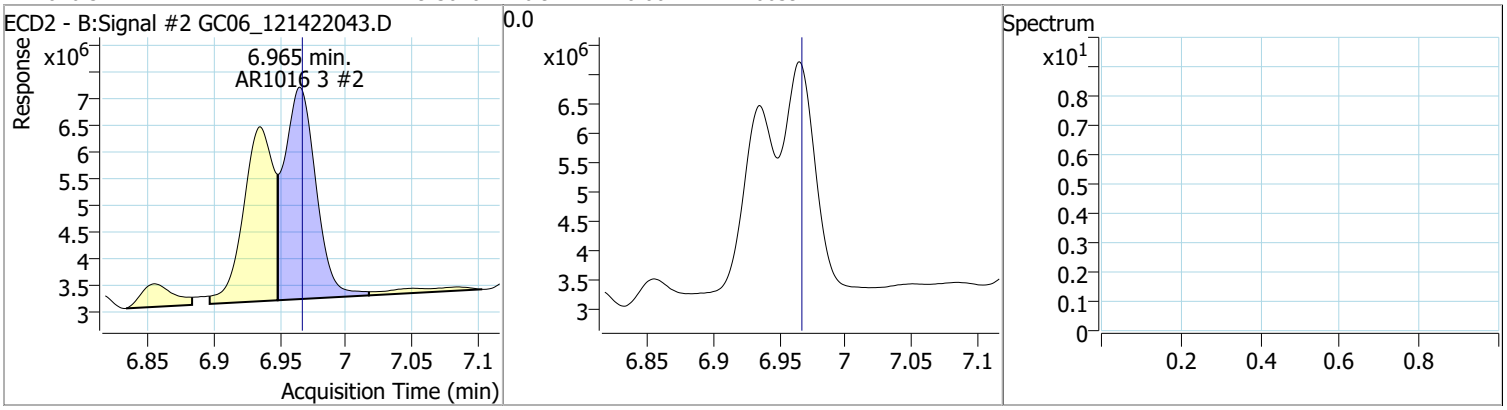
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	643.6969	6.39	0.00	5234880				



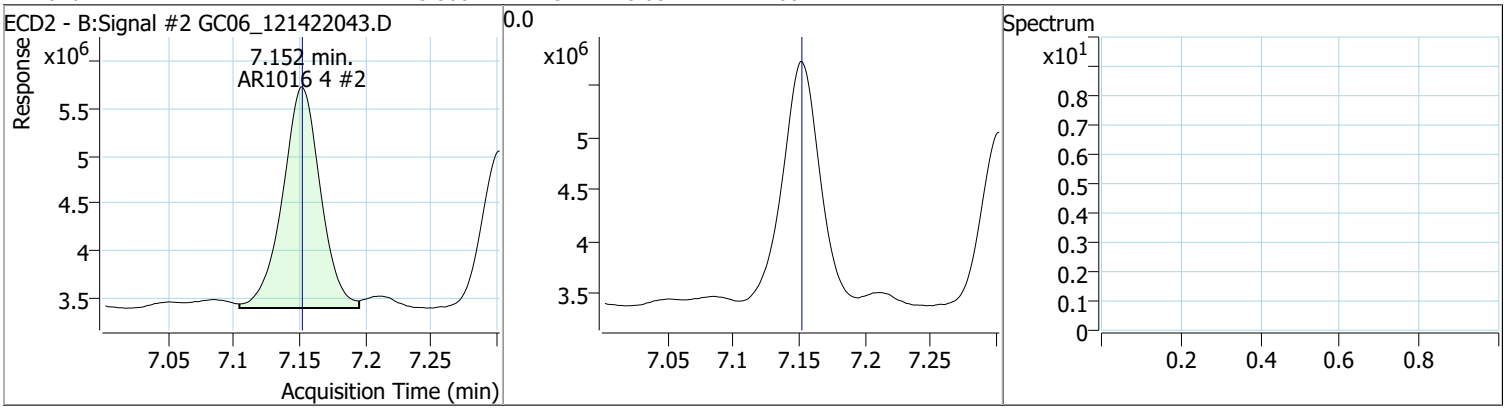
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	359.3028	6.56	0.00	676628				



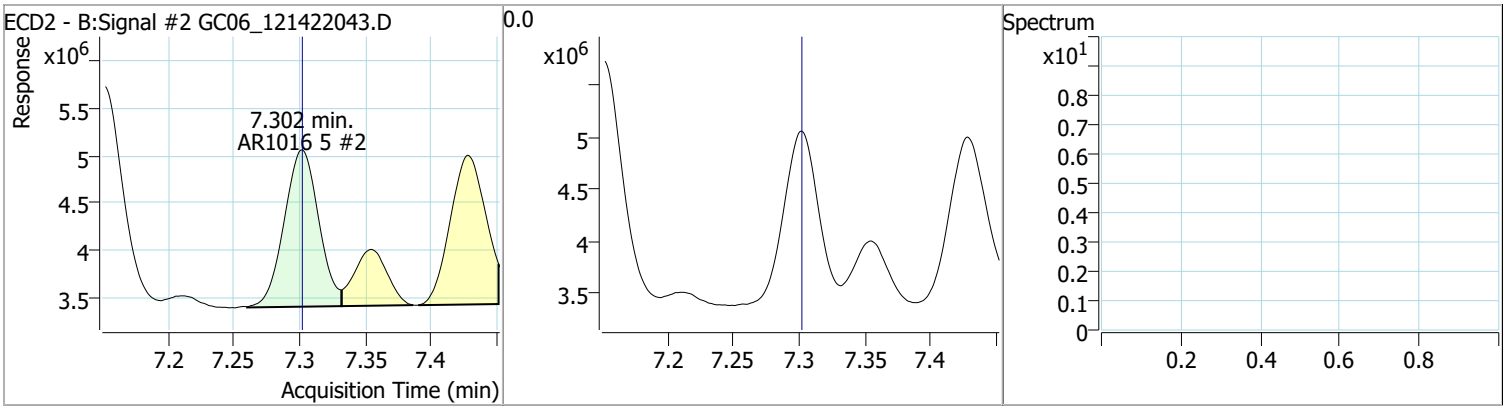
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	449.3020	6.97	0.00	6639272				



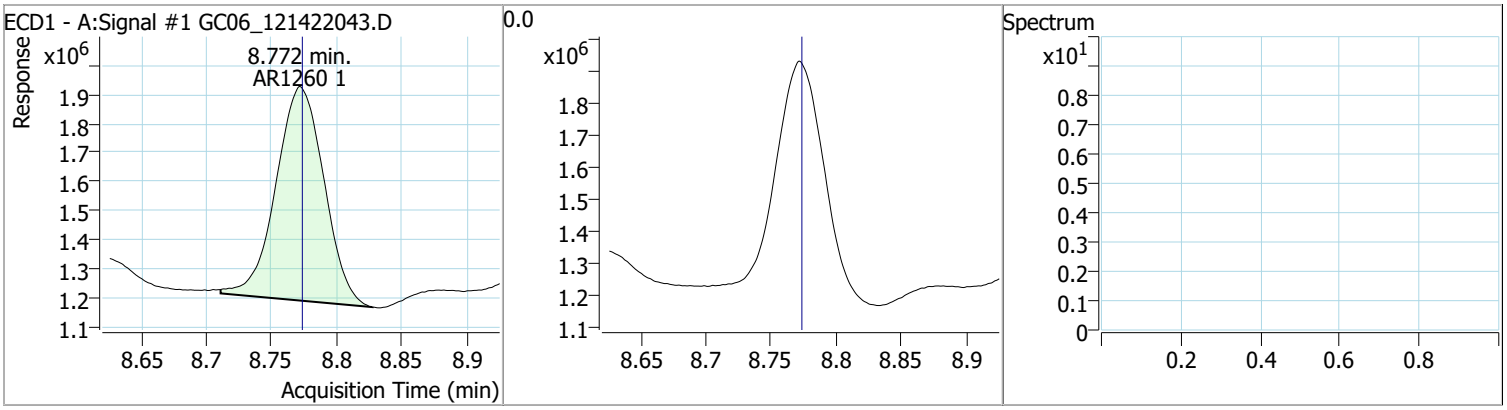
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	445.5661	7.15	0.00	4700424				



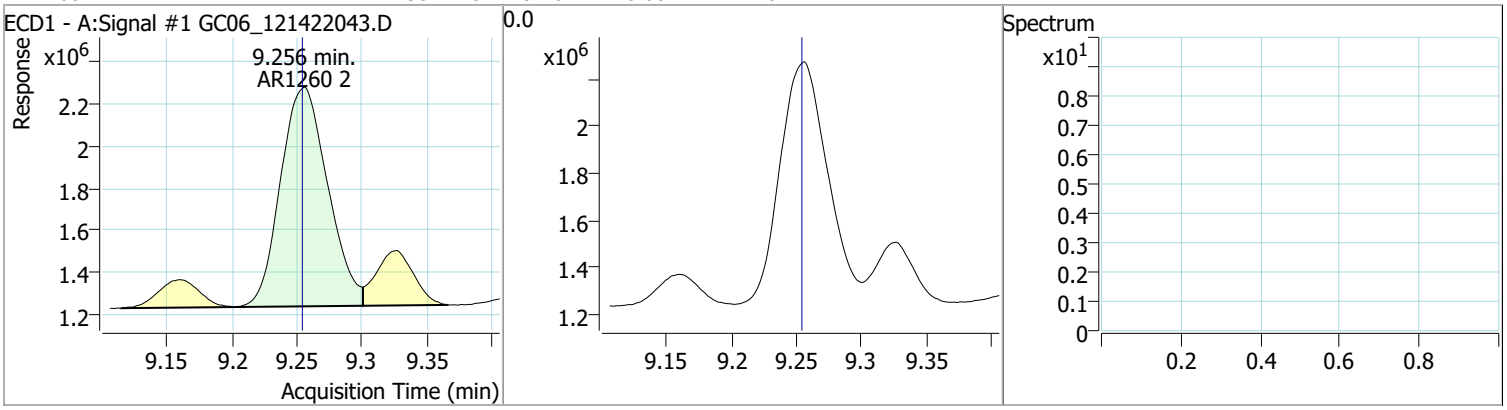
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	352.4393	7.30	0.00	3022155				



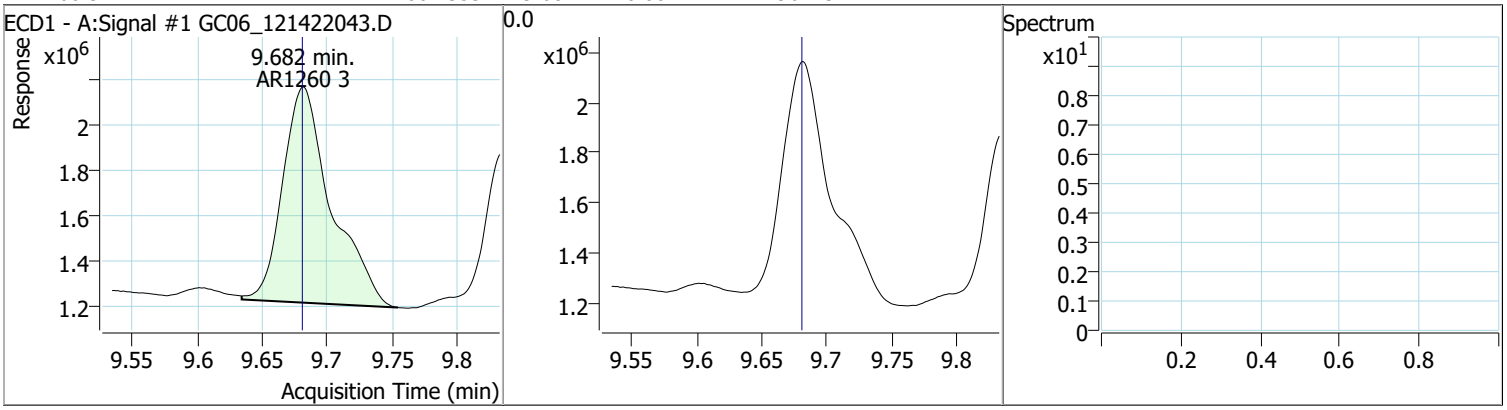
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	484.4730	8.77	-0.01	1894280				



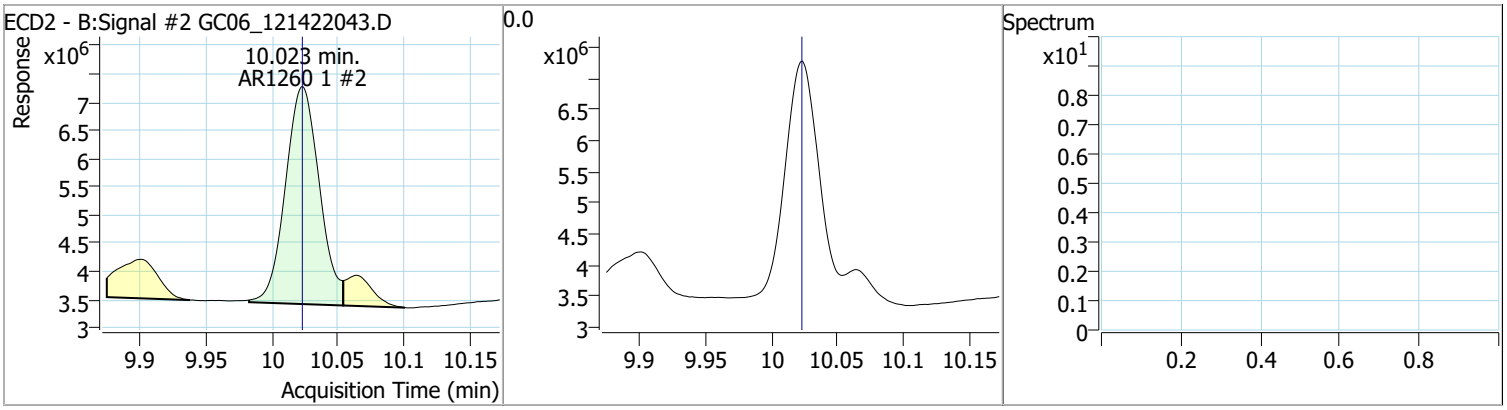
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	438.1478	9.26	0.00	2611144				



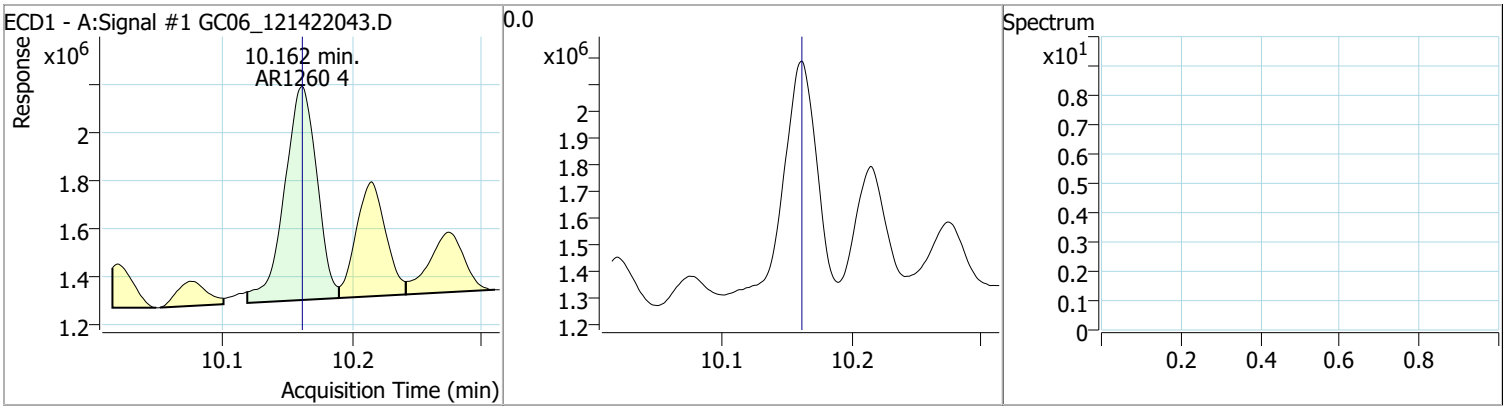
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	400.7353	9.68	0.00	2496173				



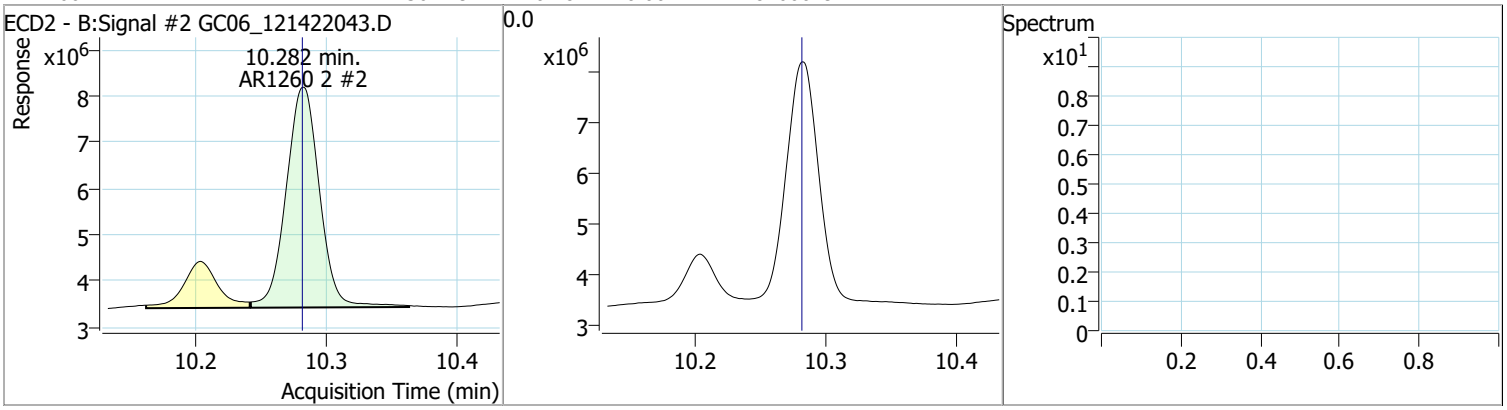
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	429.7192	10.02	0.00	6932034				



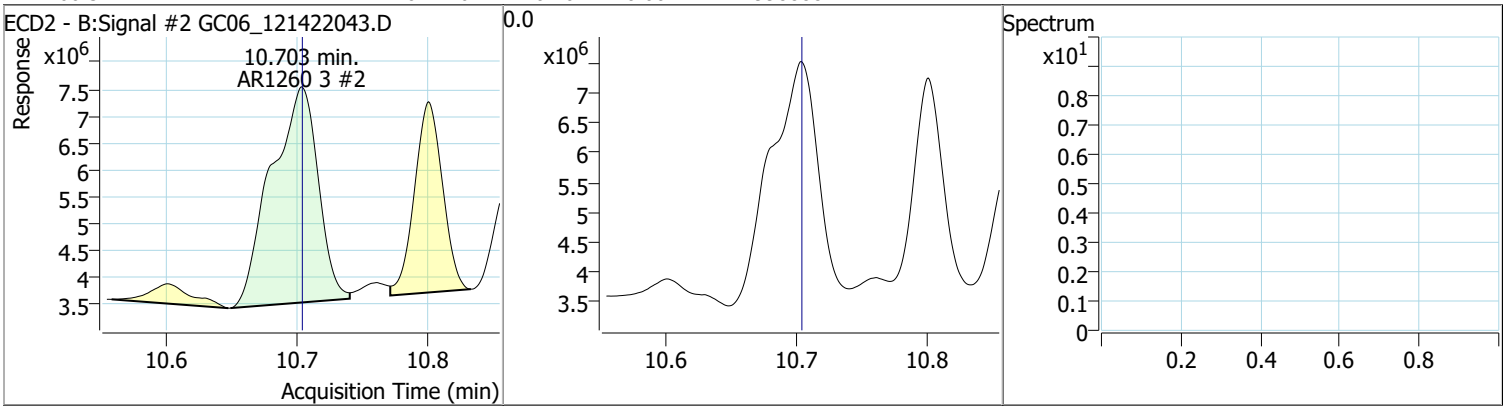
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	455.1356	10.16	-0.01	1548189				



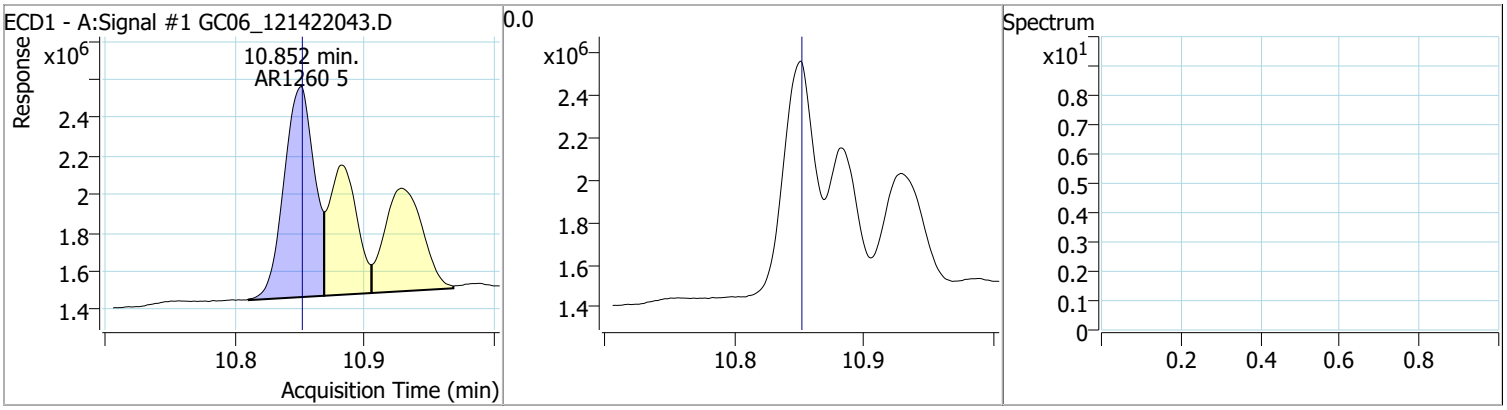
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	436.4797	10.28	0.00	8460029				



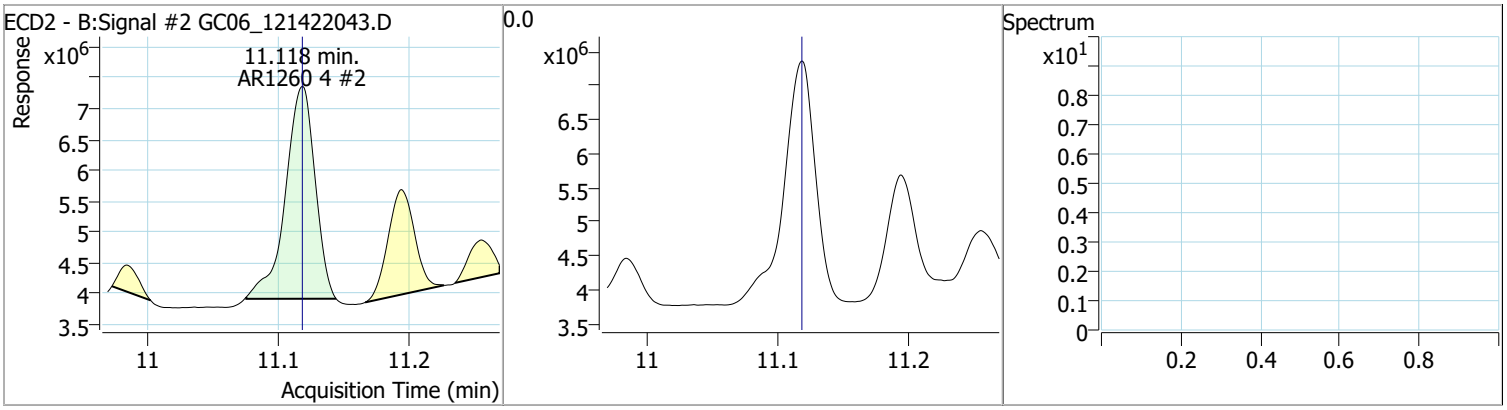
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	407.1467	10.70	0.00	9988887				



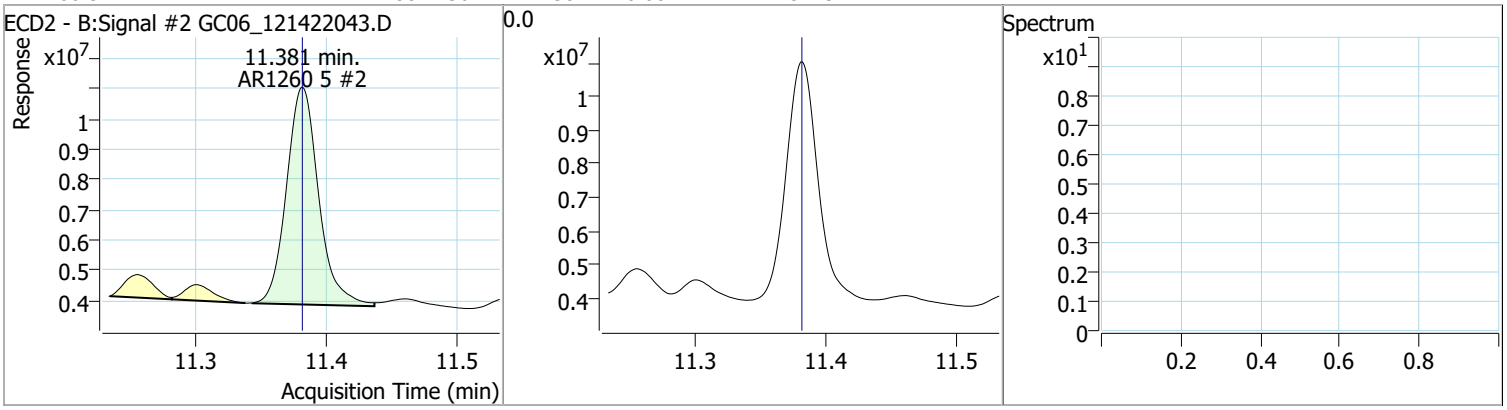
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	241.0728	10.85	-0.01	1797230				



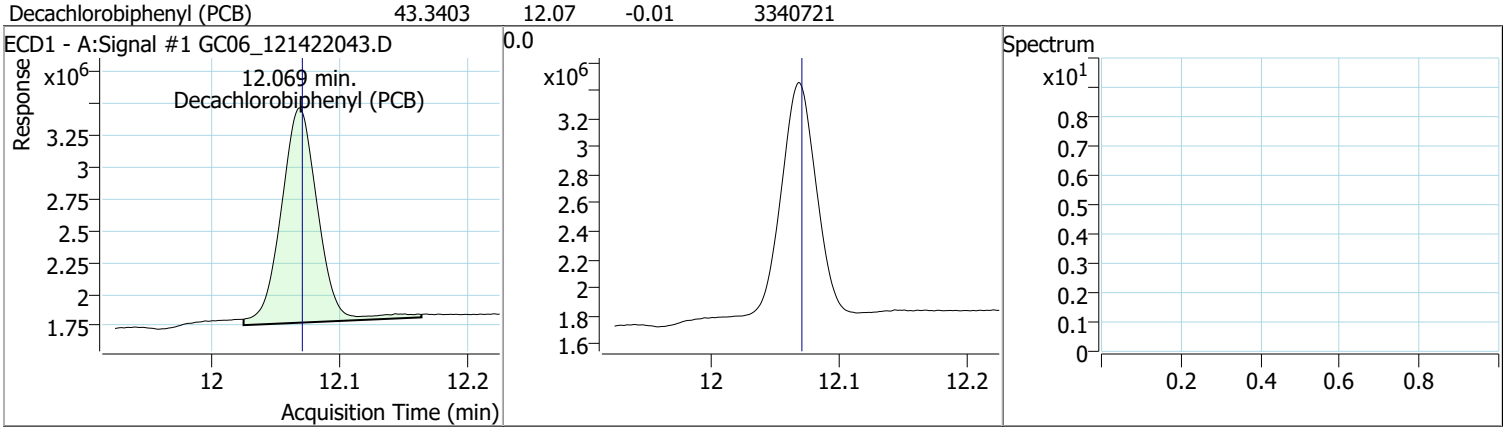
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	378.5334	11.12	0.00	5415591				



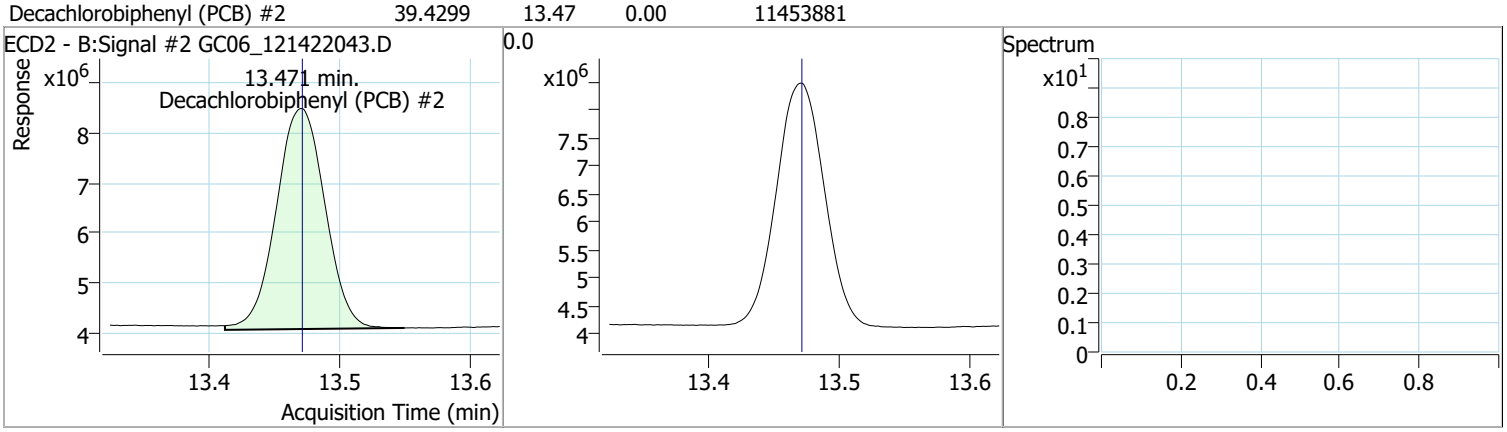
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	582.2364	11.38	0.00	12251431				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	43.3403	12.07	-0.01	3340721				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	39.4299	13.47	0.00	11453881				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 474713 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_102422014	452428510014		24-OCT-2022 17:26	S17263
L2	gc06_102422015	452428510015		24-OCT-2022 17:44	S17264
L3	gc06_102422016	452428510016		24-OCT-2022 18:02	S17265
L4	gc06_102422017	452428510017		24-OCT-2022 18:20	S17266
L5	gc06_102422018	452428510018		24-OCT-2022 18:38	S17267
L6	gc06_102422019	452428510019		24-OCT-2022 18:55	S17268
L7	gc06_102422020	452428510020		24-OCT-2022 19:13	S17269
L8	gc06_102422021	452428510021		24-OCT-2022 19:31	S17270
L9	gc06_102422022	452428510022		24-OCT-2022 19:49	S17271

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		47.6898		0.0210		15	9	.99	20	
Aroclor-1016 Peak # 2	A	LINR	-15.389	23.9841		0.0490	0.997		7	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		18.8095		0.0532		15	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		24.7311		0.0404		14	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		30.7045		0.0326		15	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		14.7882		0.0676		18	8	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		9.70243		0.1031		17	8	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		9.28268		0.1077		17	8	.99	20	
Aroclor-1260 Peak # 4	A	LINR	-15.439	17.5746		0.0643	0.998		7	.99	20	
Aroclor-1260 Peak # 5	A	LINR	-18.106	8.33830		0.1368	0.999		8	.99	20	
Decachlorobiphenyl (PCB)	A	LINR	-4.3231	0.82496		1.4080	0.999		6	.99	20	
TCMX (PCB)	A	AVRG		1.03996		0.9616		13	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		48.1076		0.0208		13	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		33.3260		0.0300		14	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		18.3412		0.0545		16	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		25.6912		0.0389		12	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		31.6065		0.0316		13	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		16.8009		0.0595		14	8	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		13.9830		0.0715		15	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		11.0470		0.0905		16	8	.99	20	
Aroclor-1260 Peak # 4	B	LINR	-23.653	20.1271		0.0597	0.996		7	.99	20	
Aroclor-1260 Peak # 5	B	LINR	-18.665	13.2930		0.0873	0.999		8	.99	20	
Decachlorobiphenyl (PCB)	B	LINR	-2.1138	0.98301		1.2084	0.999		8	.99	20	
TCMX (PCB)	B	AVRG		1.04112		0.9605		10	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor
LINR: Linear regression

ENTHALPY INITIAL CALIBRATION FOR 474713 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0275	0.0229	0.0229	0.0213	0.0183	0.0203	0.0197	0.0189	0.0170
Aroclor-1016 Peak # 2	A	0.0705	0.0493	0.0498	0.0471	0.0402	0.0443	0.0419		
Aroclor-1016 Peak # 3	A	0.0694	0.0572	0.0577	0.0553	0.0469	0.0521	0.0499	0.0477	0.0422
Aroclor-1016 Peak # 4	A	0.0506	0.0443	0.0443	0.0420	0.0361	0.0399	0.0381	0.0367	0.0320
Aroclor-1016 Peak # 5	A	0.0417	0.0355	0.0355	0.0335	0.0292	0.0321	0.0306	0.0296	0.0253
Aroclor-1260 Peak # 1	A	0.0937	0.0726	0.0712	0.0675	0.0578	0.0620	0.0600	0.0564	
Aroclor-1260 Peak # 2	A	0.1377	0.1100	0.1119	0.1048	0.0901	0.0941	0.0896	0.0864	
Aroclor-1260 Peak # 3	A	0.1494	0.1089	0.1140	0.1083	0.0928	0.0997	0.0955	0.0931	
Aroclor-1260 Peak # 4	A	0.0776	0.0657	0.0680	0.0657	0.0561	0.0598	0.0571		
Aroclor-1260 Peak # 5	A	0.1719	0.1443	0.1523	0.1392	0.1178	0.1263	0.1212	0.1213	
Decachlorobiphenyl (PCB)	A			1.7517	1.5276	1.3136	1.3325	1.2692	1.2537	
TCMX (PCB)	A	1.2724	0.9655	0.9830	0.9621	0.8303	0.9420	0.9219	0.9218	0.8552
Aroclor-1016 Peak # 1	B	0.0258	0.0224	0.0221	0.0217	0.0189	0.0208	0.0199	0.0188	0.0168
Aroclor-1016 Peak # 2	B	0.0369	0.0328	0.0337	0.0319	0.0262	0.0293	0.0282	0.0270	0.0241
Aroclor-1016 Peak # 3	B	0.0731	0.0591	0.0595	0.0548	0.0476	0.0526	0.0506	0.0504	0.0429
Aroclor-1016 Peak # 4	B	0.0470	0.0426	0.0424	0.0410	0.0348	0.0383	0.0370	0.0362	0.0311
Aroclor-1016 Peak # 5	B	0.0389	0.0336	0.0345	0.0334	0.0285	0.0314	0.0302	0.0296	0.0248
Aroclor-1260 Peak # 1	B	0.0741	0.0638	0.0673	0.0608	0.0510	0.0551	0.0527	0.0514	
Aroclor-1260 Peak # 2	B	0.0910	0.0798	0.0790	0.0726	0.0608	0.0651	0.0625	0.0613	
Aroclor-1260 Peak # 3	B	0.1187	0.0977	0.0986	0.0907	0.0769	0.0826	0.0797	0.0793	
Aroclor-1260 Peak # 4	B	0.0785	0.0629	0.0647	0.0583	0.0503	0.0539	0.0496		
Aroclor-1260 Peak # 5	B	0.1184	0.0925	0.0953	0.0868	0.0743	0.0790	0.0760	0.0762	
Decachlorobiphenyl (PCB)	B	1.6271	1.2663	1.3495	1.2170	1.0610	1.0826	1.0310	1.0324	
TCMX (PCB)	B	1.1603	0.9978	0.9817	0.9671	0.8301	0.9599	0.9328	0.9461	0.8687

ENTHALPY INITIAL CALIBRATION FOR 474713 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	**31**	50.000	9	100.00	9	250.00	1	500.00	-13	749.91	-3	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 2	A	20.000	-8	50.000	-12	100.00	4	250.00	7	500.00	-7	749.91	4	1000.0	-1		
Aroclor-1016 Peak # 3	A	20.000	**31**	50.000	8	100.00	9	250.00	4	500.00	-12	749.91	-2	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 4	A	20.000	**25**	50.000	10	100.00	10	250.00	4	500.00	-11	749.91	-1	1000.0	-6	1500.0	-9
Aroclor-1016 Peak # 5	A	20.000	**28**	50.000	9	100.00	9	250.00	3	500.00	-10	749.91	-1	1000.0	-6	1500.0	-9
Aroclor-1260 Peak # 1	A	20.000	**38**	50.000	7	100.00	5	250.00	0	500.00	-15	749.91	-8	1000.0	-11	1500.0	-17
Aroclor-1260 Peak # 2	A	20.000	**34**	50.000	7	100.00	9	250.00	2	500.00	-13	749.91	-9	1000.0	-13	1500.0	-16
Aroclor-1260 Peak # 3	A	20.000	**39**	50.000	1	100.00	6	250.00	1	500.00	-14	749.91	-7	1000.0	-11	1500.0	-14
Aroclor-1260 Peak # 4	A	20.000	**-41**	50.000	-15	100.00	4	250.00	9	500.00	-4	749.91	3	1000.0	-1		
Aroclor-1260 Peak # 5	A	20.000	**-47**	50.000	-16	100.00	9	250.00	9	500.00	-5	749.91	3	1000.0	-1	1500.0	0
Decachlorobiphenyl (PCB)	A					8.0000	-10	20.000	4	40.000	-2	59.993	3	80.000	-1	120.00	0
TCMX (PCB)	A	1.6000	**32**	4.0000	0	8.0000	2	20.000	0	40.000	-14	59.993	-2	80.000	-4	120.00	-4
Aroclor-1016 Peak # 1	B	20.000	**24**	50.000	8	100.00	6	250.00	4	500.00	-9	749.91	0	1000.0	-4	1500.0	-10
Aroclor-1016 Peak # 2	B	20.000	**23**	50.000	9	100.00	12	250.00	6	500.00	-13	749.91	-2	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 3	B	20.000	**34**	50.000	8	100.00	9	250.00	1	500.00	-13	749.91	-4	1000.0	-7	1500.0	-8
Aroclor-1016 Peak # 4	B	20.000	**21**	50.000	9	100.00	9	250.00	5	500.00	-11	749.91	-2	1000.0	-5	1500.0	-7
Aroclor-1016 Peak # 5	B	20.000	**23**	50.000	6	100.00	9	250.00	5	500.00	-10	749.91	-1	1000.0	-5	1500.0	-6
Aroclor-1260 Peak # 1	B	20.000	**24**	50.000	7	100.00	13	250.00	2	500.00	-14	749.91	-7	1000.0	-11	1500.0	-14
Aroclor-1260 Peak # 2	B	20.000	**27**	50.000	12	100.00	11	250.00	2	500.00	-15	749.91	-9	1000.0	-13	1500.0	-14
Aroclor-1260 Peak # 3	B	20.000	**31**	50.000	8	100.00	9	250.00	0	500.00	-15	749.91	-9	1000.0	-12	1500.0	-12
Aroclor-1260 Peak # 4	B	20.000	**-60**	50.000	**-21**	100.00	7	250.00	8	500.00	-4	749.91	5	1000.0	-3		
Aroclor-1260 Peak # 5	B	20.000	**-36**	50.000	-14	100.00	8	250.00	8	500.00	-5	749.91	3	1000.0	-1	1500.0	0
Decachlorobiphenyl (PCB)	B	1.6000	**-72**	4.0000	**-28**	8.0000	6	20.000	9	40.000	-1	59.993	3	80.000	-1	120.00	0
TCMX (PCB)	B	1.6000	**21**	4.0000	4	8.0000	2	20.000	1	40.000	-14	59.993	0	80.000	-3	120.00	-1

ENTHALPY INITIAL CALIBRATION FOR 474713 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-19
Aroclor-1016 Peak # 2	A		
Aroclor-1016 Peak # 3	A	2000.0	**-21**
Aroclor-1016 Peak # 4	A	2000.0	**-21**
Aroclor-1016 Peak # 5	A	2000.0	**-22**
Aroclor-1260 Peak # 1	A		
Aroclor-1260 Peak # 2	A		
Aroclor-1260 Peak # 3	A		
Aroclor-1260 Peak # 4	A		
Aroclor-1260 Peak # 5	A		
Decachlorobiphenyl (PCB)	A		
TCMX (PCB)	A	160.00	-11
Aroclor-1016 Peak # 1	B	2000.0	-19
Aroclor-1016 Peak # 2	B	2000.0	-20
Aroclor-1016 Peak # 3	B	2000.0	**-21**
Aroclor-1016 Peak # 4	B	2000.0	-20
Aroclor-1016 Peak # 5	B	2000.0	**-22**
Aroclor-1260 Peak # 1	B		
Aroclor-1260 Peak # 2	B		
Aroclor-1260 Peak # 3	B		
Aroclor-1260 Peak # 4	B		
Aroclor-1260 Peak # 5	B		
Decachlorobiphenyl (PCB)	B		
TCMX (PCB)	B	160.00	-10

TRN 10/26/22 : Manually integrated for coeluting peak/draw baseline on both channel for multiple channels

Analyst: TRN 10/26/22

Reviewer: LW 10/27/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 474713 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_102422_1
Calnum:	452428510002	Cal Date:	24-OCT-2022

- ICV 452428510024 (gc06_102422024 24-OCT-2022) stds: S17274

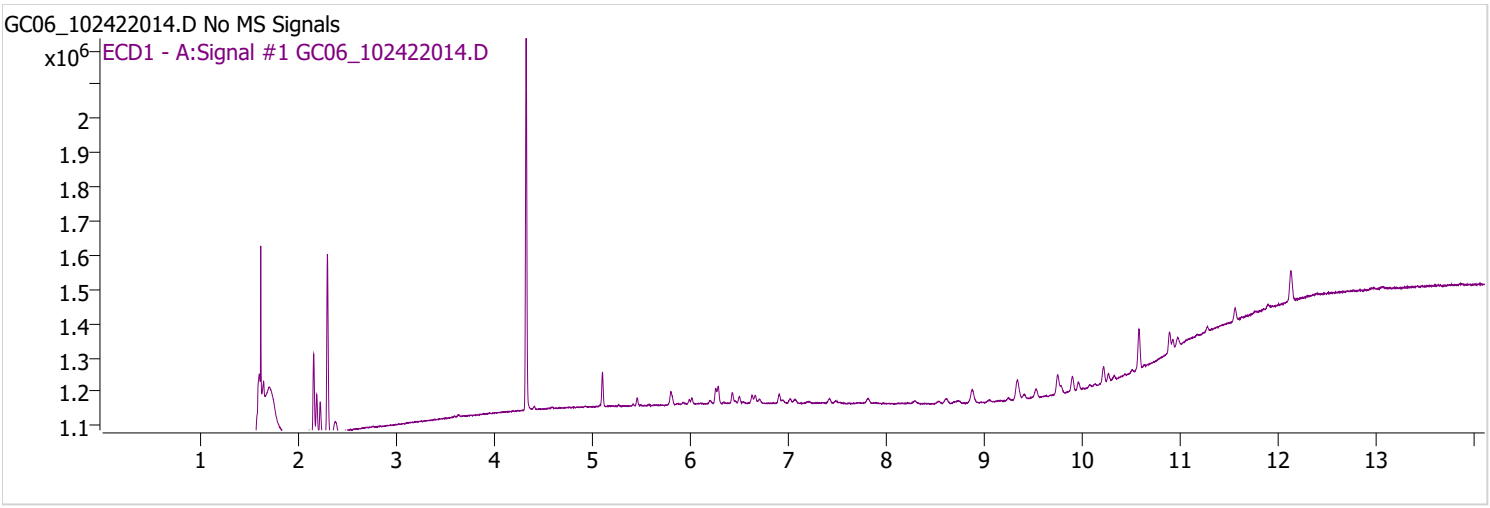
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	486.9	ug/L	-3	15	
Aroclor-1260	A	500.0	451.5	ug/L	-10	15	
Aroclor-1016	B	500.0	481.3	ug/L	-4	15	
Aroclor-1260	B	500.0	455.3	ug/L	-9	15	

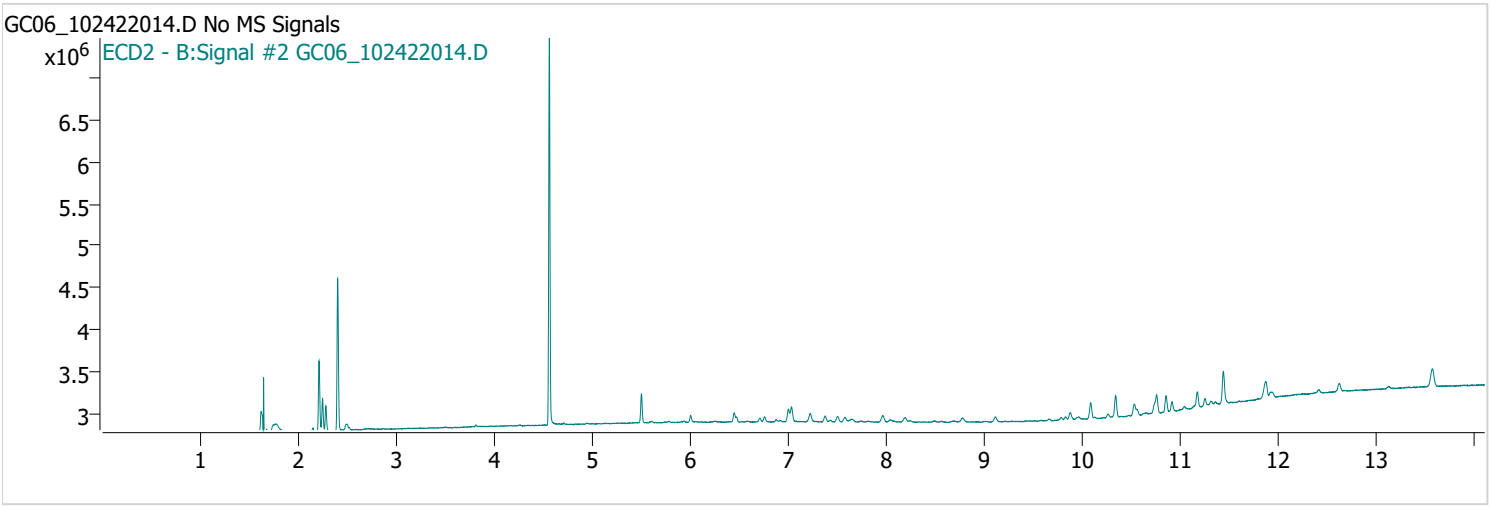
-

Analyst: TRN 10/26/22 **Reviewer:** LW 10/27/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_102422014.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 5:26:16 PM
Sample Name	ICAL, S17263	Instrument	SVOA-GC06
Vial	11	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



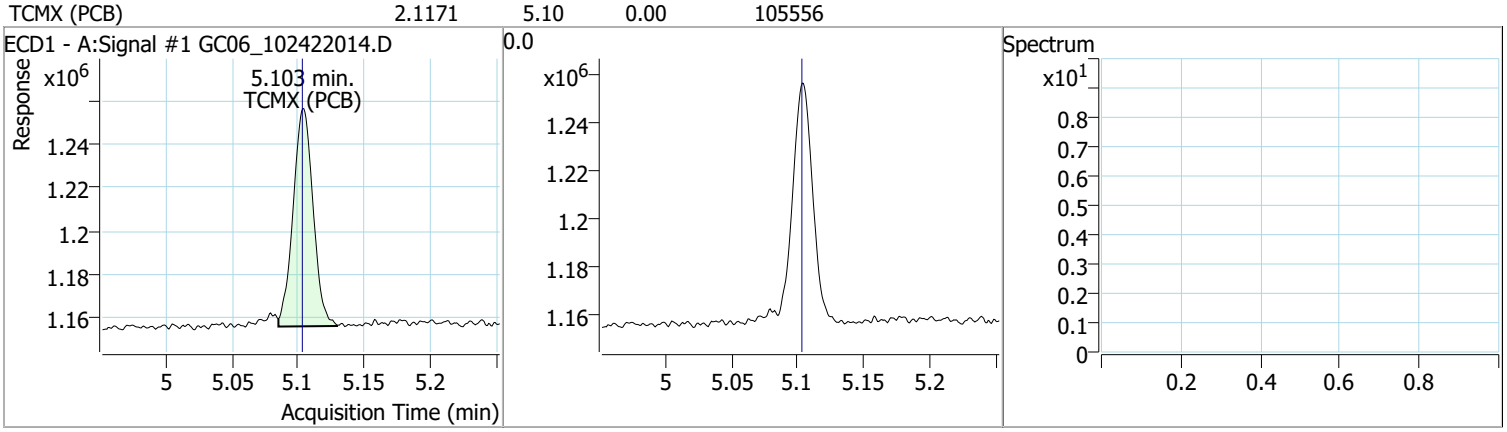


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.324	0.0	1037016.219	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	4201953.160	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	105555.954	2.1171	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.59%		*	
S TCMX (PCB) #2	5.502	0.0	390058.222	1.9329	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.66%		*	
S Decachlorobiphenyl (PCB)	12.133	0.0	184176.168	0.0000	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 0.00%		*	
S Decachlorobiphenyl (PCB) #2	13.576	0.0	546954.440	0.4459	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 2.23%		*	
Target Compounds							**QValue**
T AR1016 1	5.458	0.0	28480.322	26.1951	ng/ml		100
T AR1016 2	5.802	0.0	73071.976	18.4116	ng/ml		100
T AR1016 1 #2	6.004	0.0	108525.199	24.8502	ng/ml		100

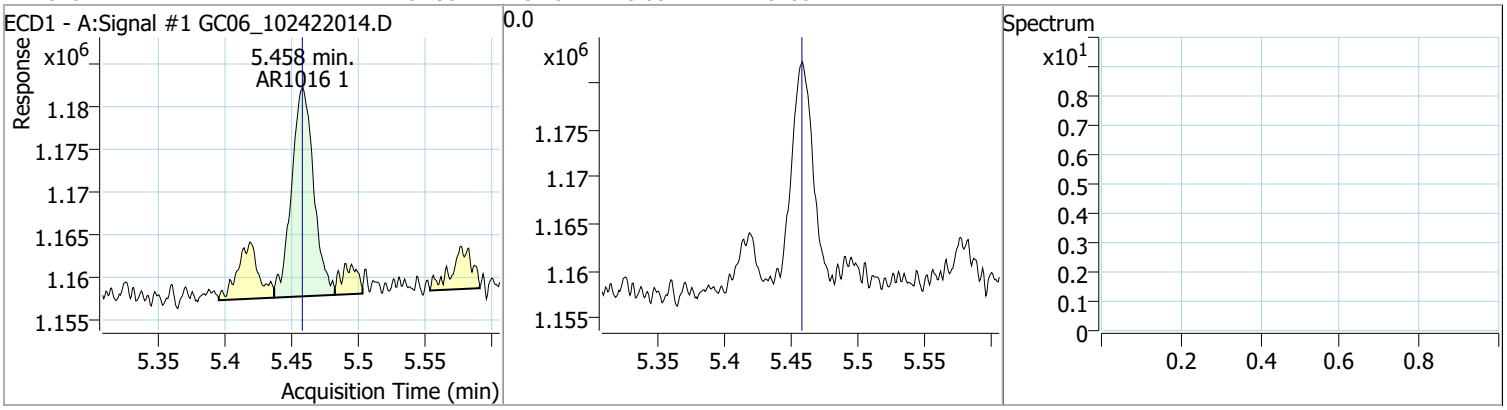
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.285	0.0	71957.123	26.1037	ng/ml		100
T AR1016 4	6.430	0.0	52488.922	25.0358	ng/ml	m	100
T AR1016 2 #2	6.449	0.0	154975.476	24.5828	ng/ml		100
T AR1016 5	6.908	0.0	43274.534	25.6262	ng/ml		100
T AR1016 3 #2	7.033	0.0	307317.024	26.8286	ng/ml		100
T AR1016 4 #2	7.223	0.0	197434.079	24.1430	ng/ml		100
T AR1016 5 #2	7.966	0.0	163277.665	24.5634	ng/ml		100
T AR1260 1	8.881	0.0	97121.012	27.7000	ng/ml		100
T AR1260 2	9.339	0.0	142815.316	26.7243	ng/ml		100
T AR1260 3	9.751	0.0	154959.969	27.7424	ng/ml	m	100
T AR1260 1 #2	10.089	0.0	311262.229	24.8911	ng/ml		100
T AR1260 4	10.220	0.0	80435.978	11.8240	ng/ml		100
T AR1260 2 #2	10.342	0.0	382187.365	25.4368	ng/ml		100
T AR1260 5	10.581	0.0	178298.760	10.5736	ng/ml		100
T AR1260 3 #2	10.761	0.0	498567.492	26.2151	ng/ml		100
T AR1260 4 #2	11.176	0.0	329727.817	7.9351	ng/ml		100
T AR1260 5 #2	11.876	0.0	497381.031	12.8115	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

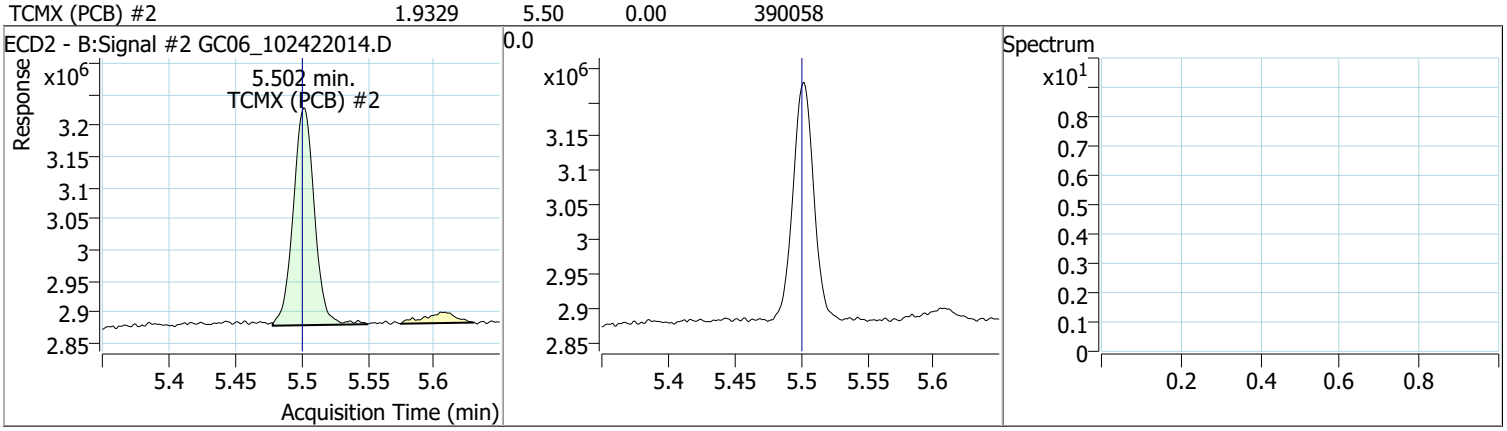
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	2.1171	5.10	0.00	105556				



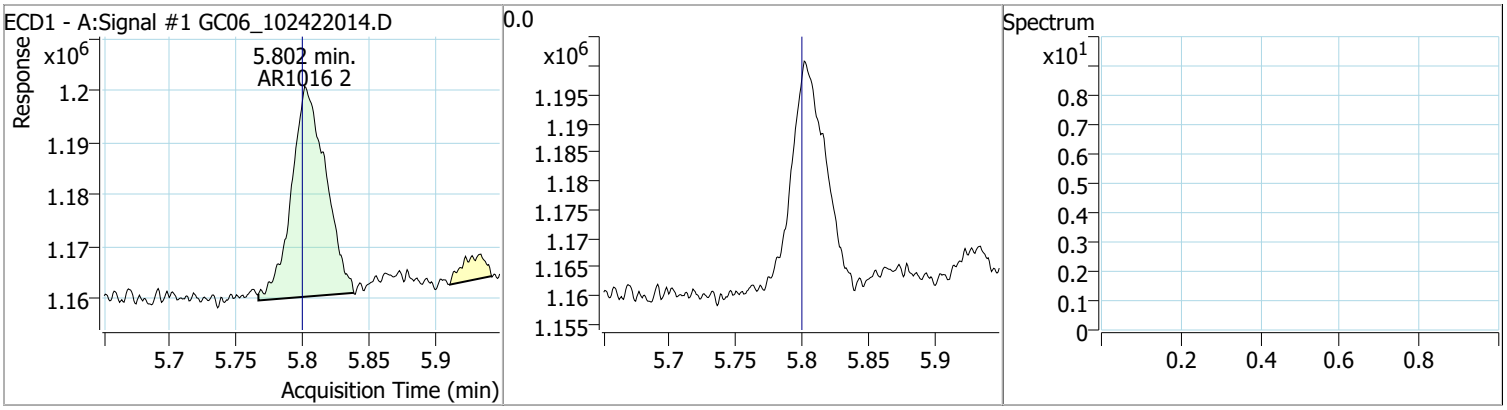
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	26.1951	5.46	0.00	28480				



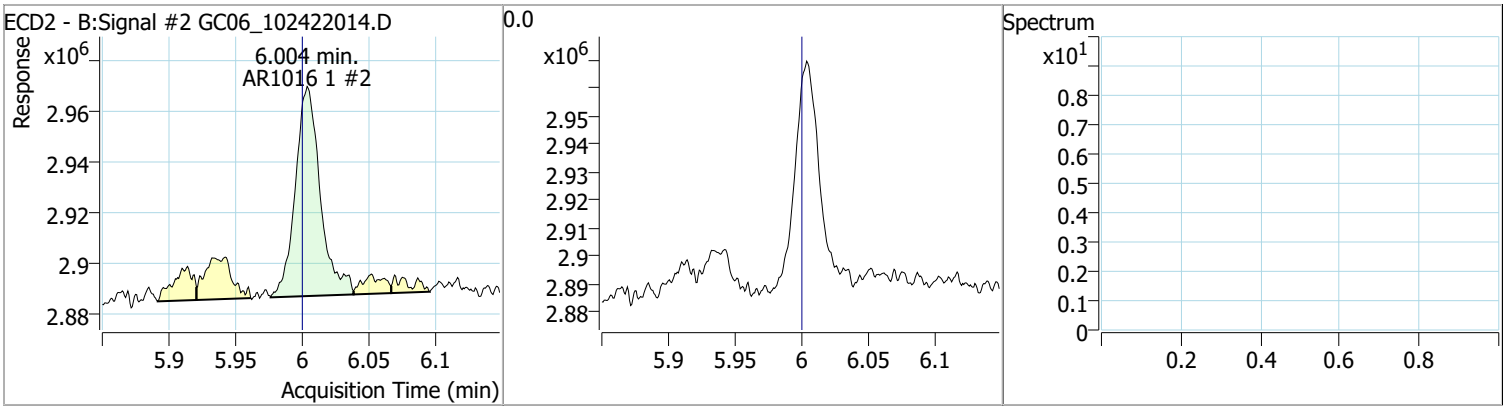
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.9329	5.50	0.00	390058				



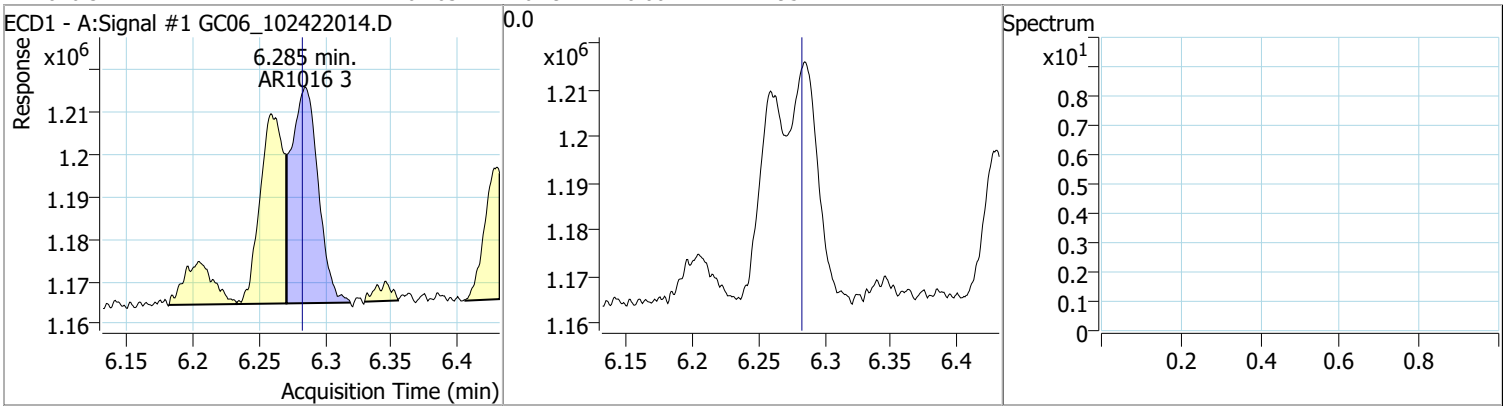
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	18.4116	5.80	0.00	73072				



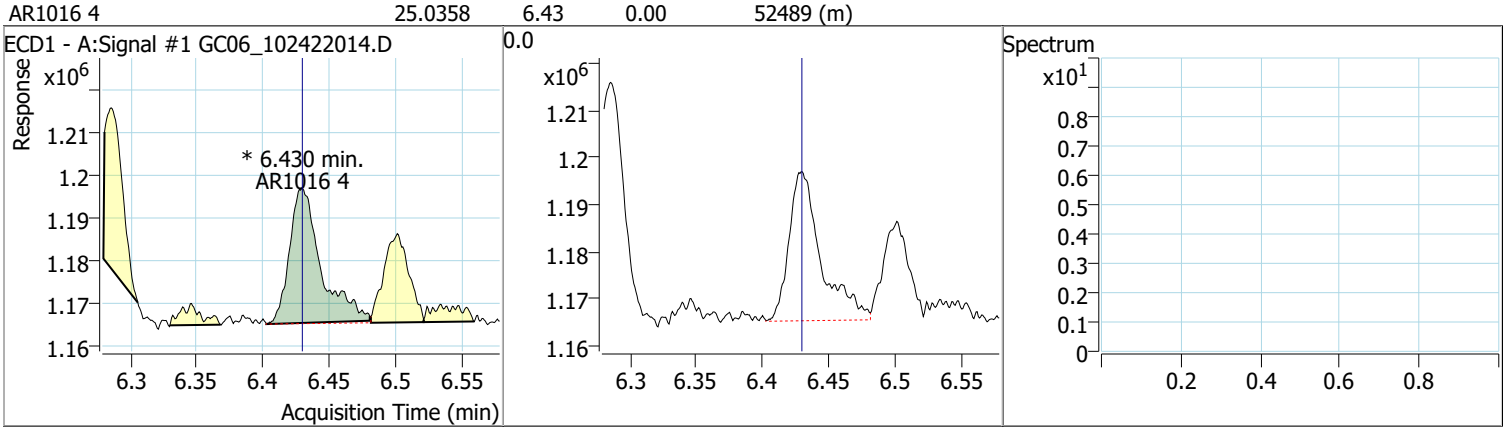
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	24.8502	6.00	0.00	108525				



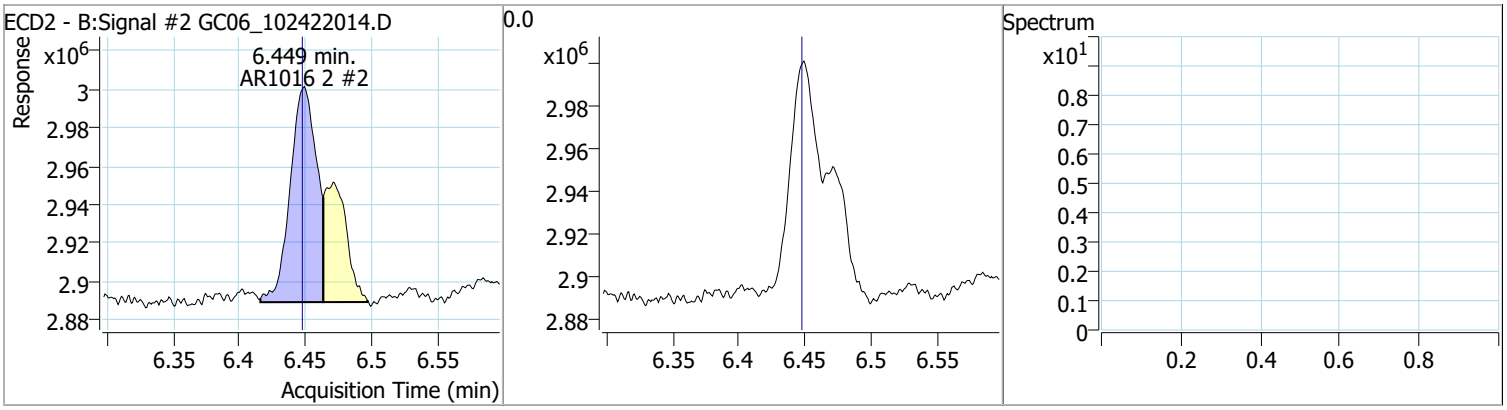
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	26.1037	6.29	0.00	71957				



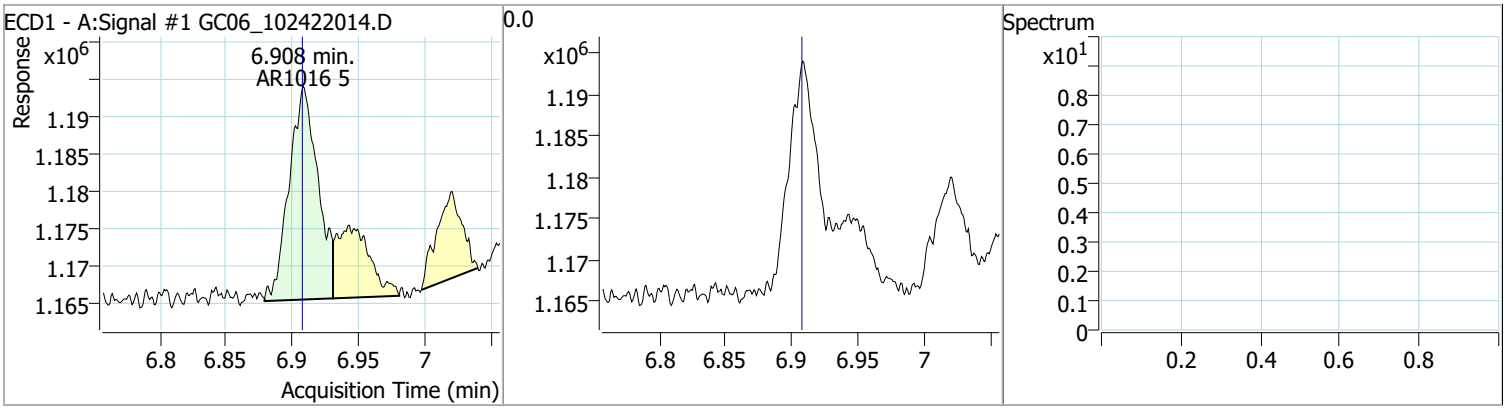
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	25.0358	6.43	0.00	52489 (m)				



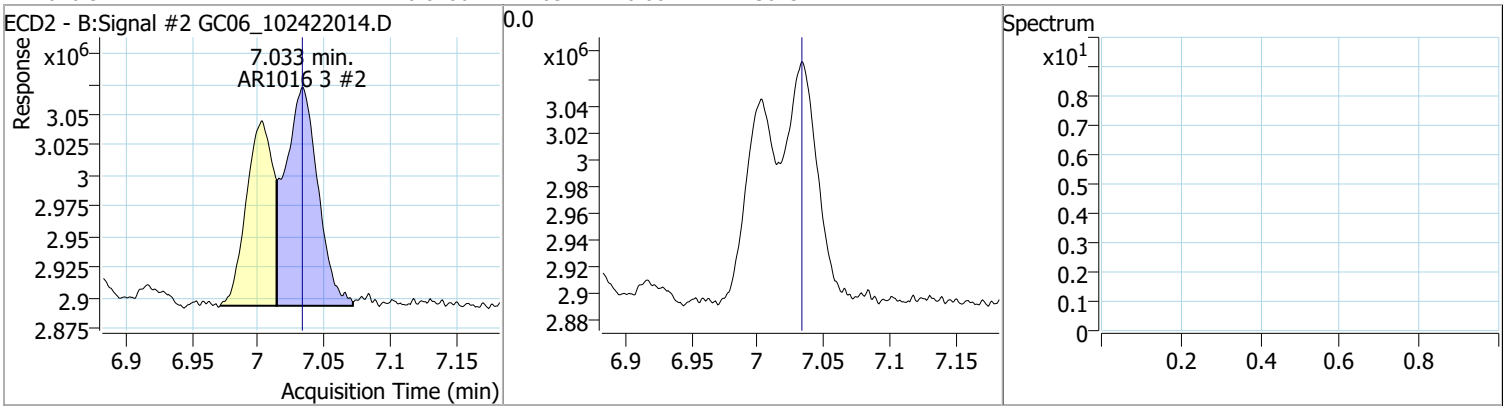
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	24.5828	6.45	0.00	154975				



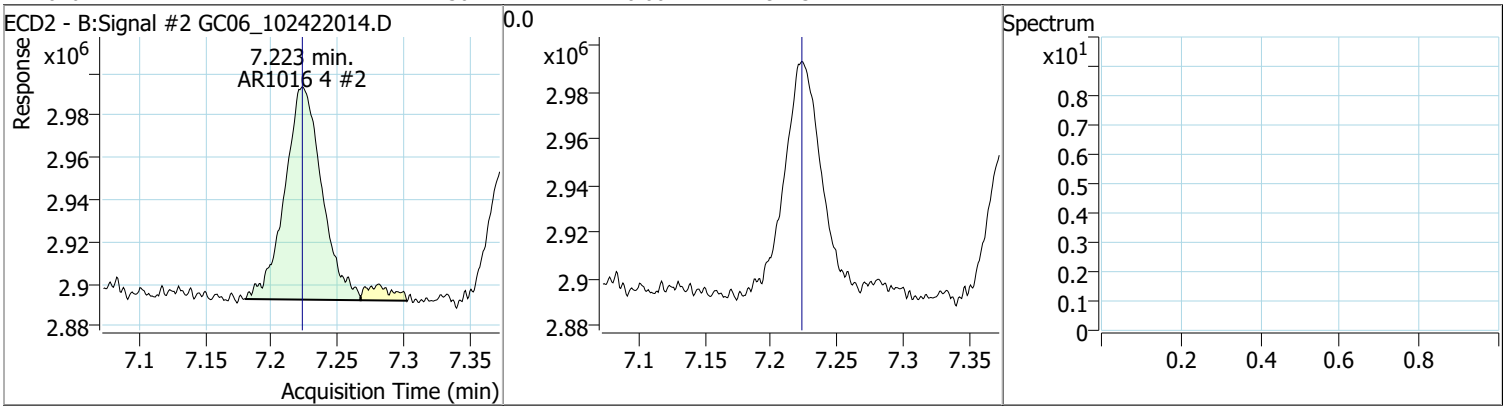
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	25.6262	6.91	0.00	43275				



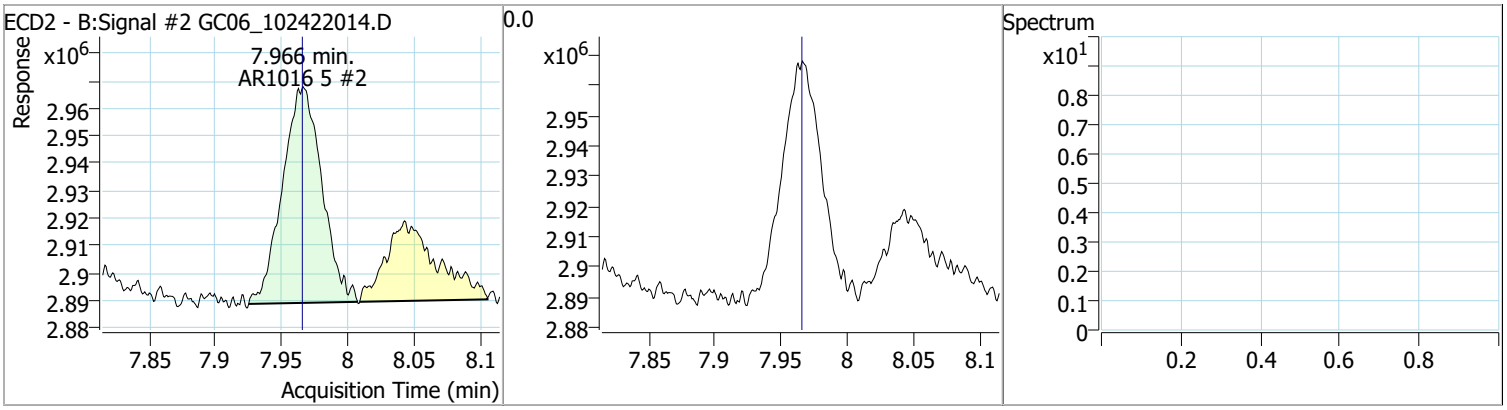
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	26.8286	7.03	0.00	307317				



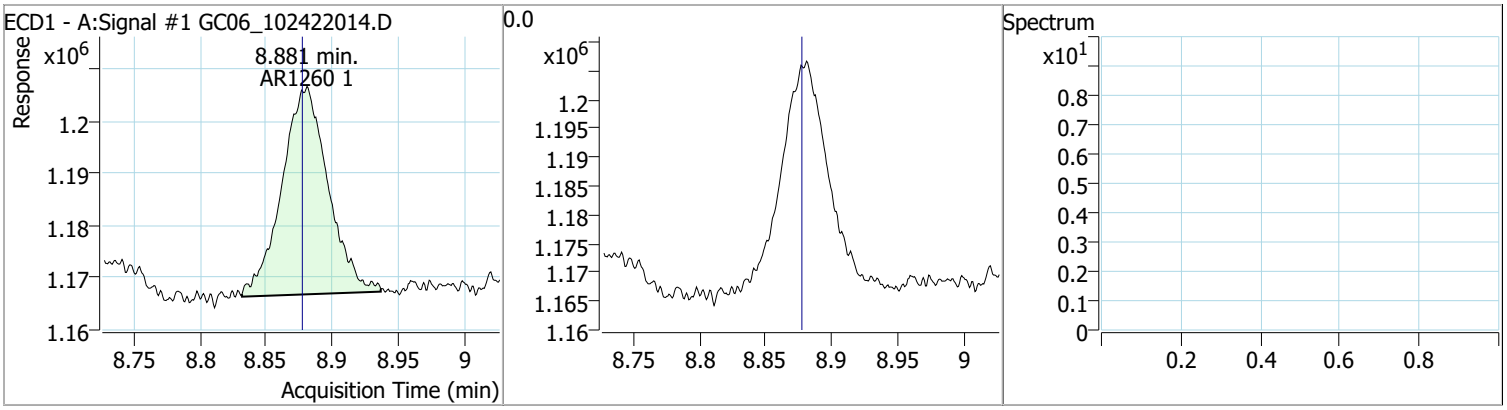
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	24.1430	7.22	0.00	197434				



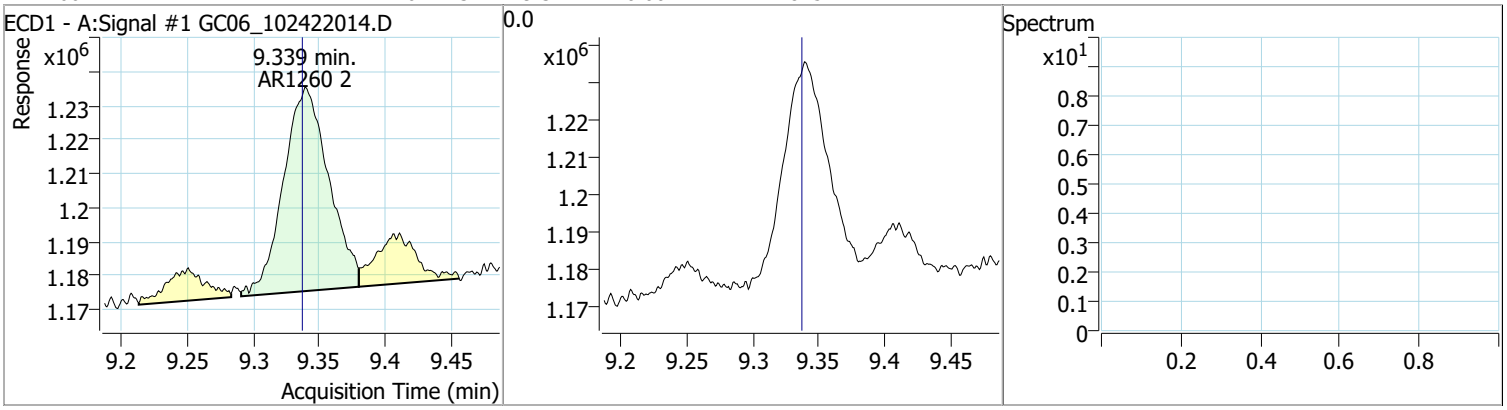
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	24.5634	7.97	0.00	163278				



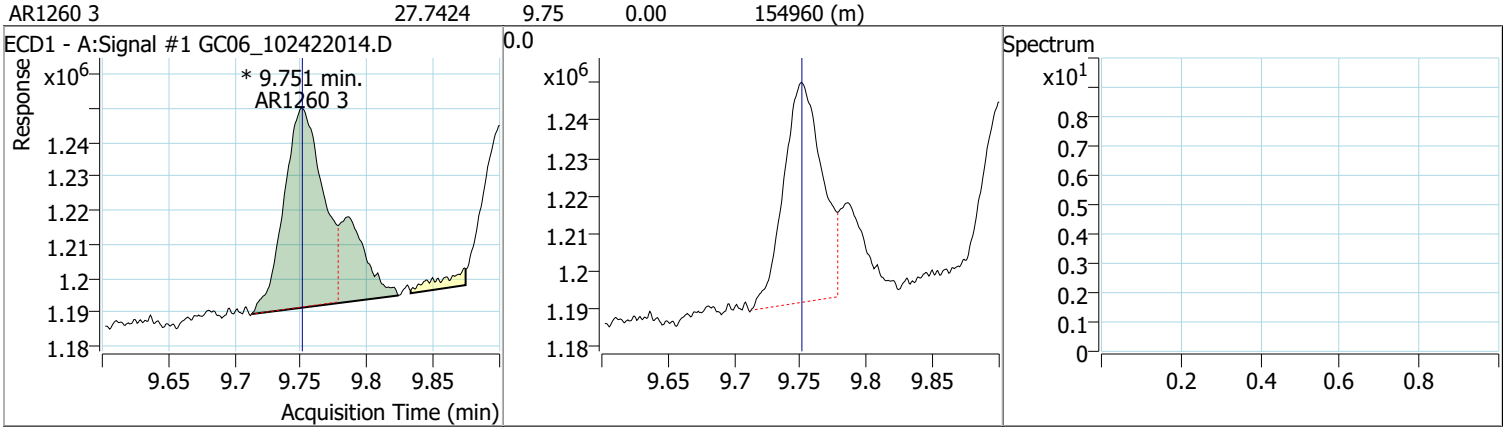
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	27.7000	8.88	0.00	97121				



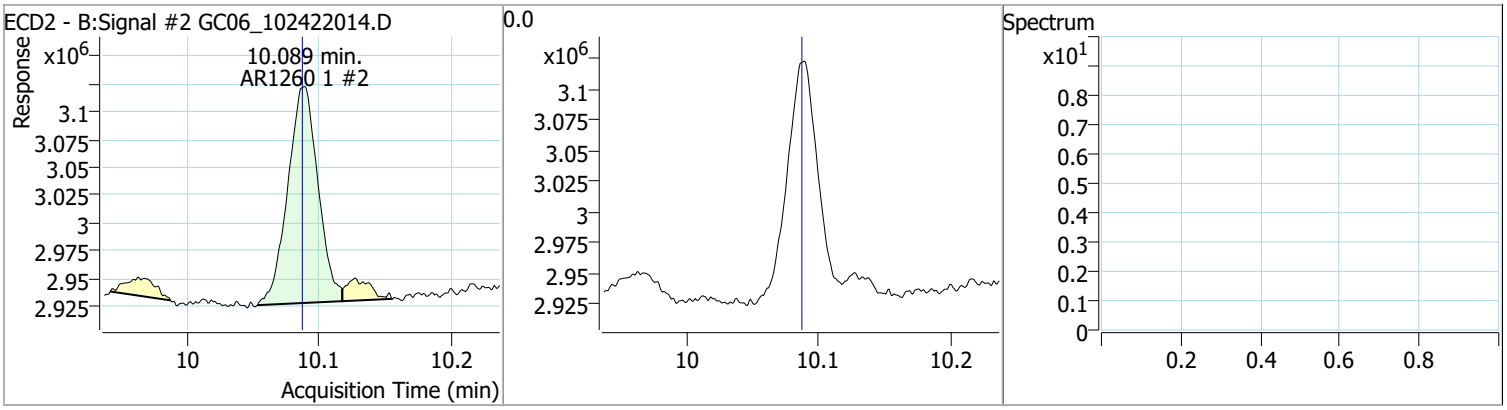
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	26.7243	9.34	0.00	142815				



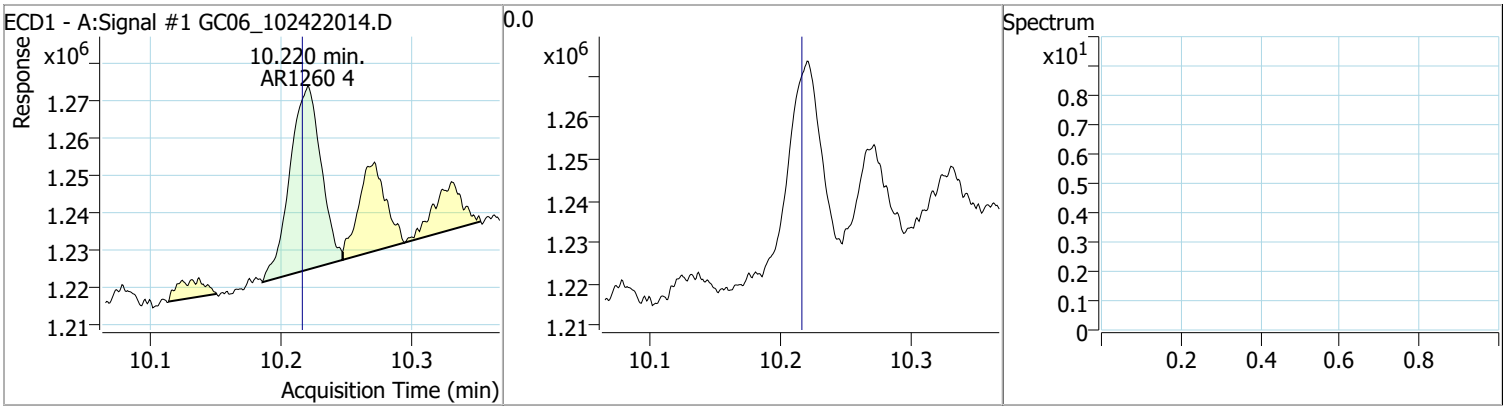
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	27.7424	9.75	0.00	154960 (m)				



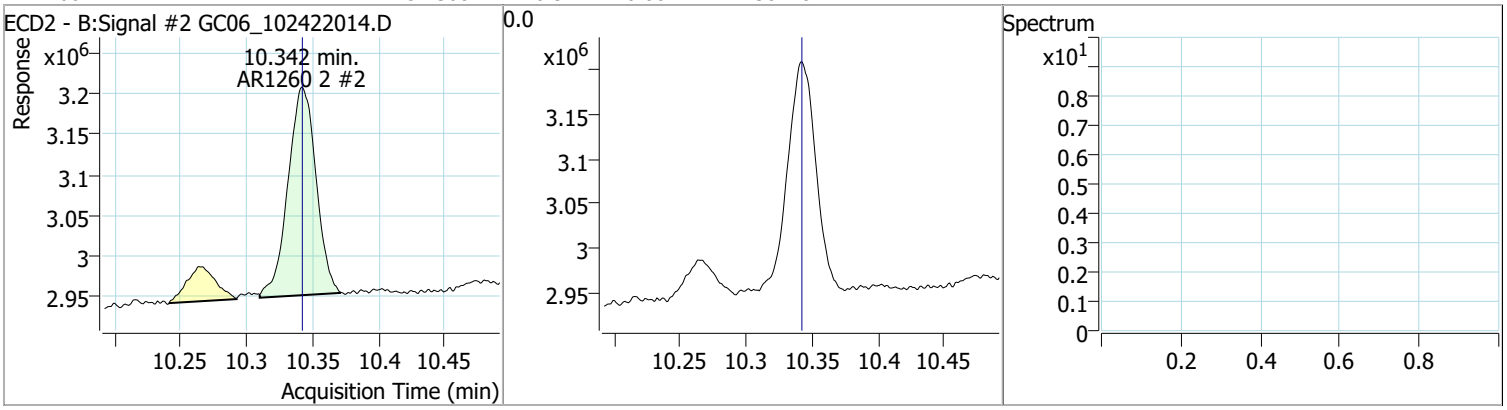
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	24.8911	10.09	0.00	311262				



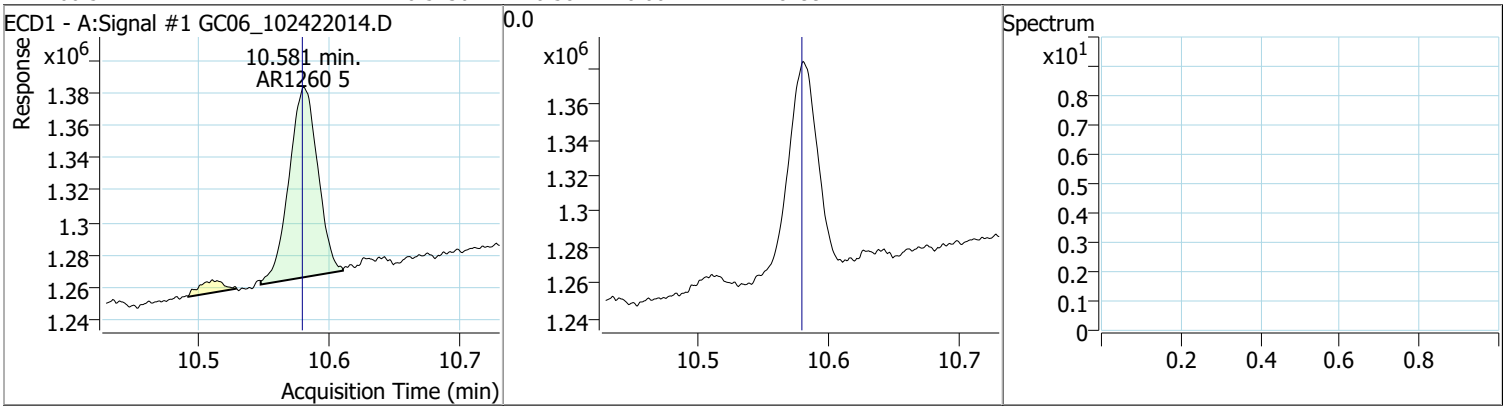
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	11.8240	10.22	0.00	80436				



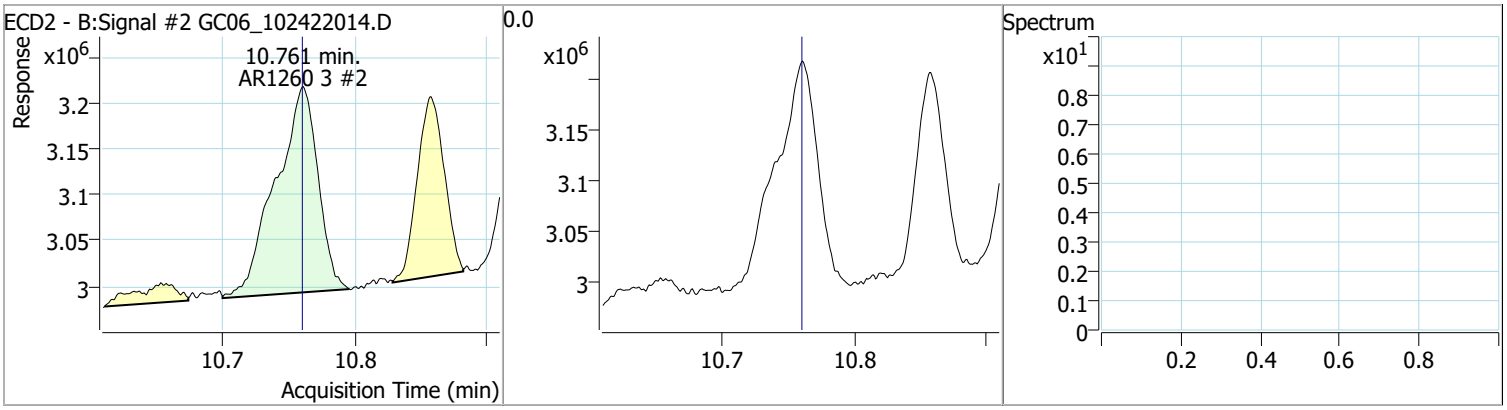
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	25.4368	10.34	0.00	382187				



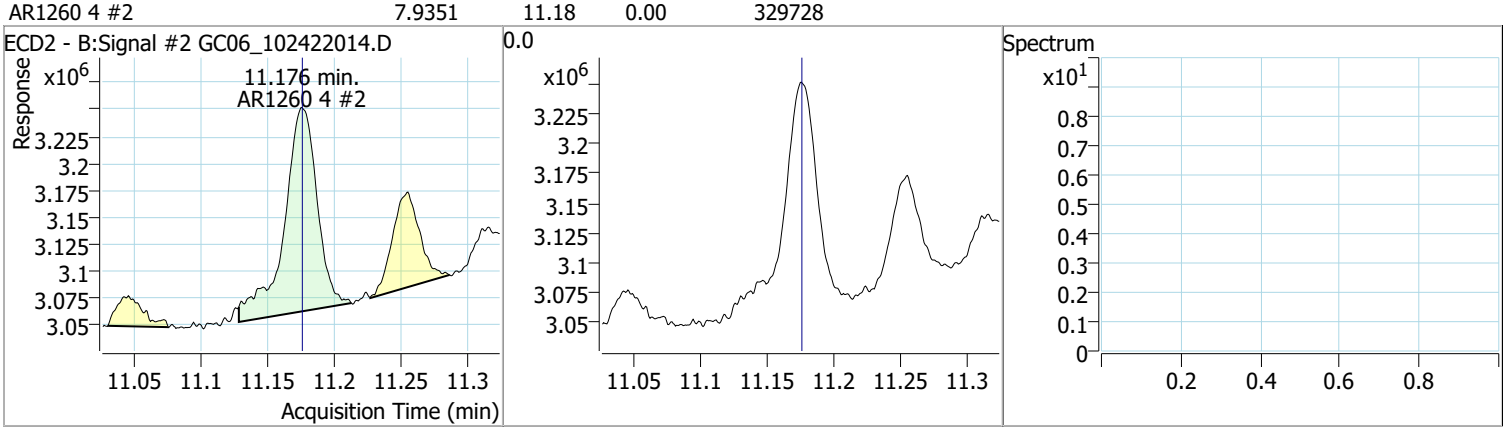
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	10.5736	10.58	0.00	178299				



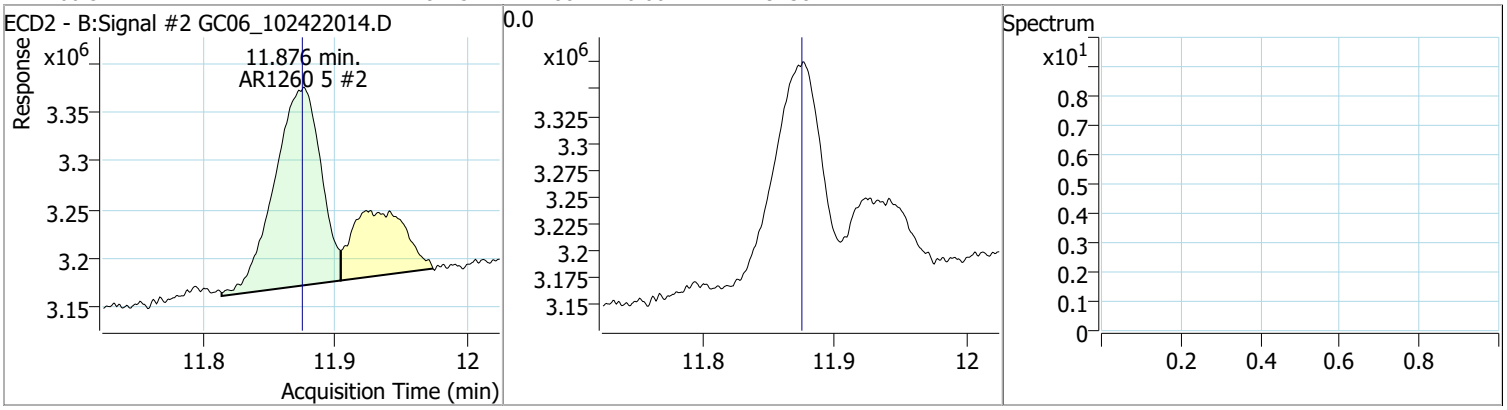
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	26.2151	10.76	0.00	498567				



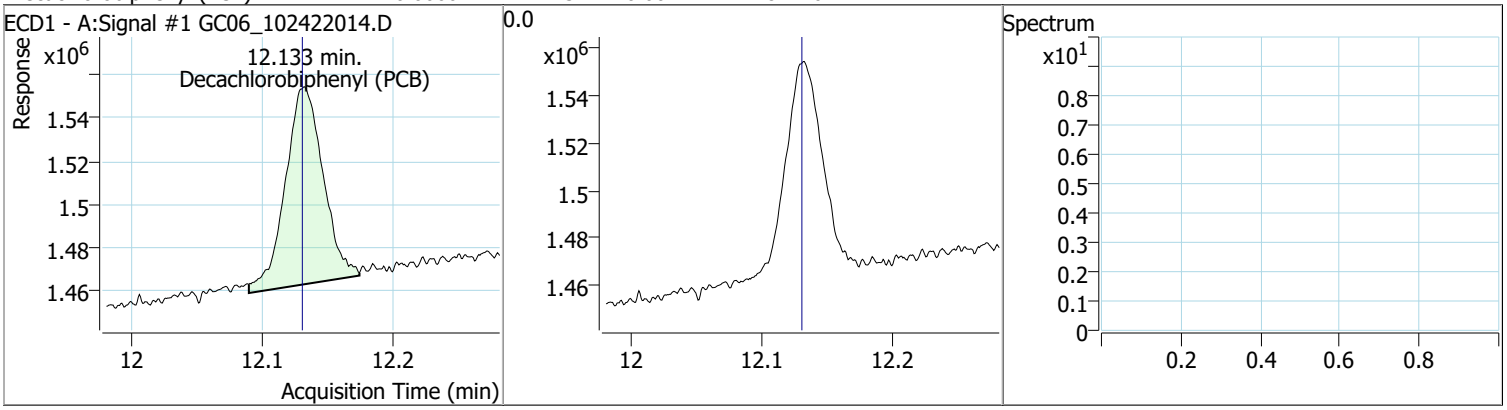
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	7.9351	11.18	0.00	329728				



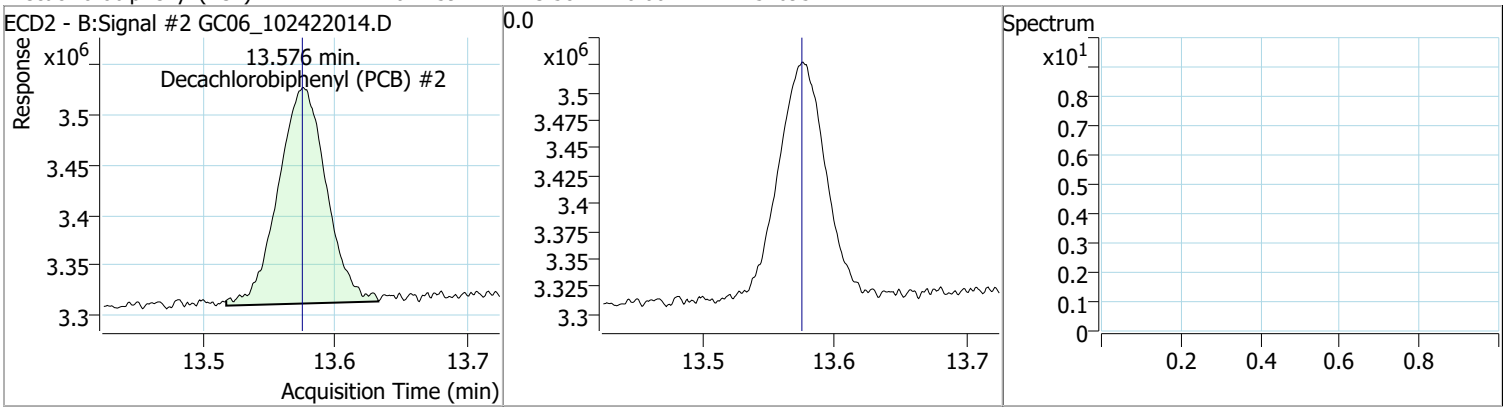
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	12.8115	11.88	0.00	497381				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	0.0000	12.13	0.00	184176				

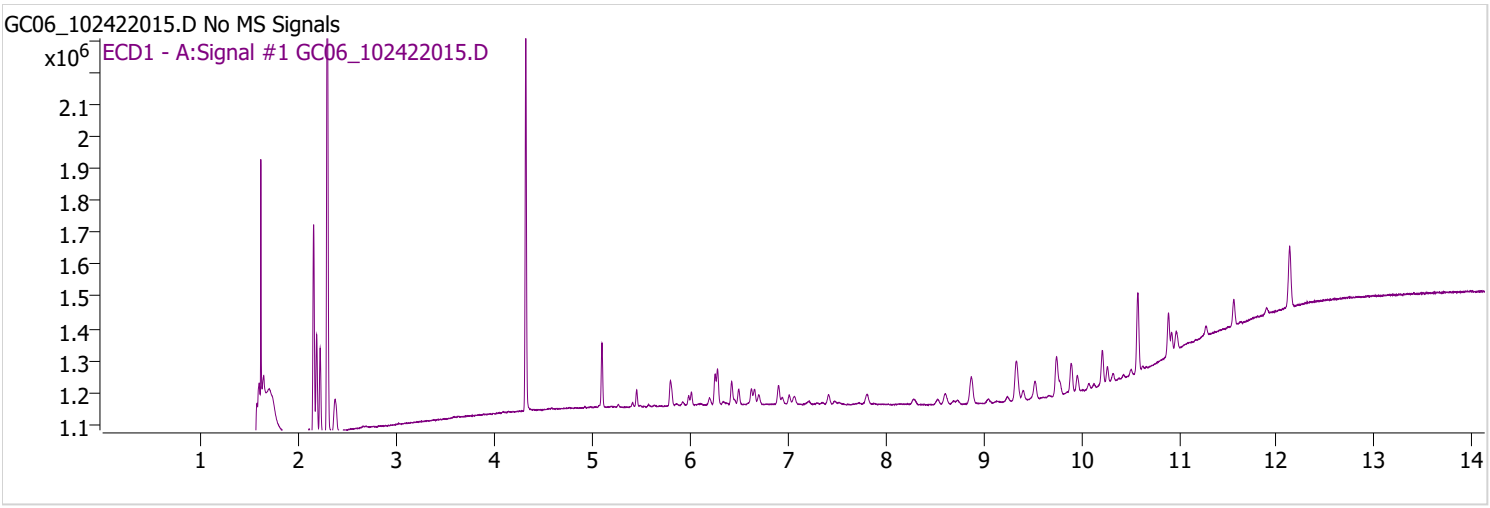


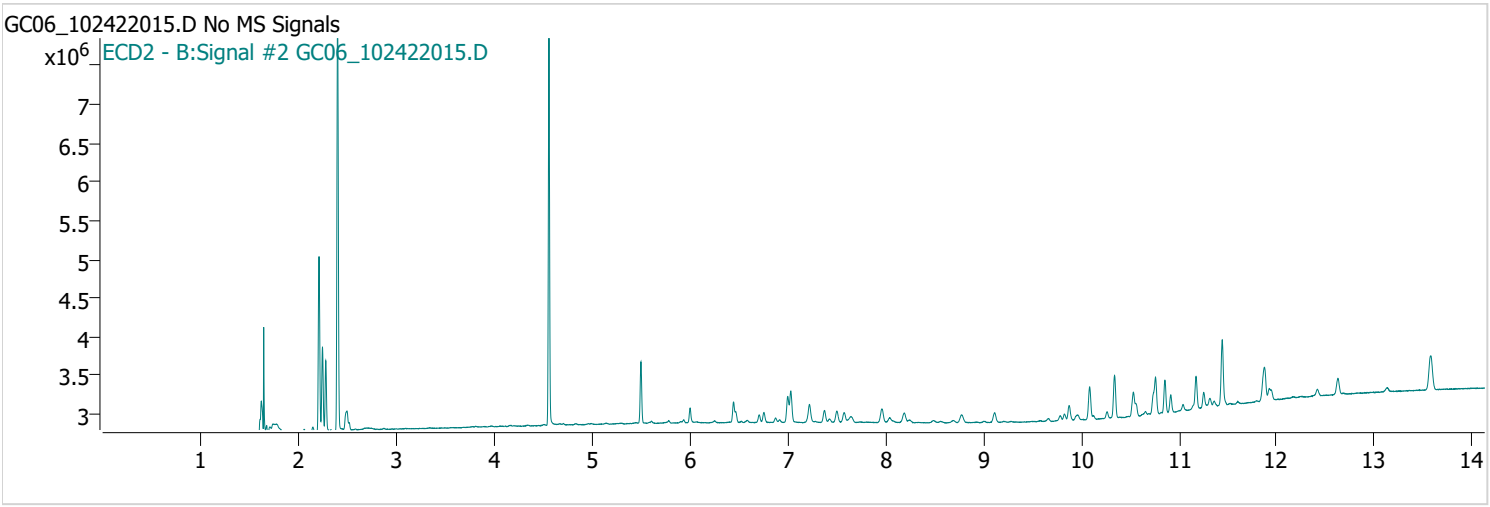
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	0.4459	13.58	0.00	546954				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422015.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 5:44:04 PM
Sample Name	ICAL, S17264	Instrument	SVOA-GC06
Vial	12	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



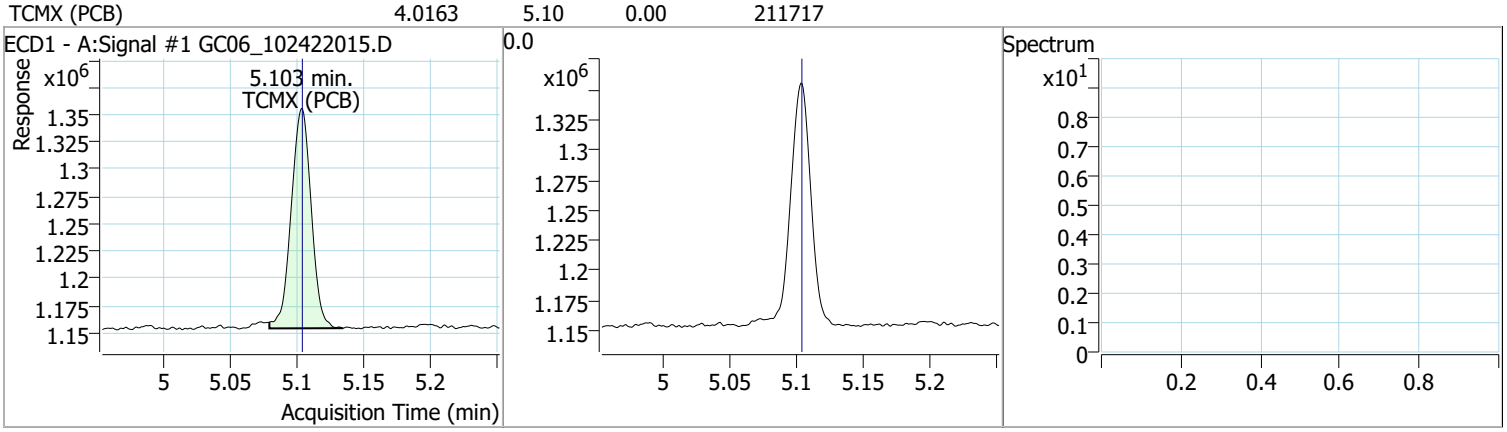


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1096423.491	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	4414084.352	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	211717.395	4.0163	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.08%		*	
S TCMX (PCB) #2	5.502	0.0	880844.251	4.1552	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.78%		*	
S Decachlorobiphenyl (PCB)	12.132	0.0	366663.673	1.1956	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.98%		*	
S Decachlorobiphenyl (PCB) #2	13.575	0.0	1117873.667	2.8657	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 14.33%		*	
Target Compounds							QValue
T AR1016 1	5.458	0.0	62800.739	54.6321	ng/ml		100
T AR1016 2	5.803	0.0	135262.778	43.7895	ng/ml		100

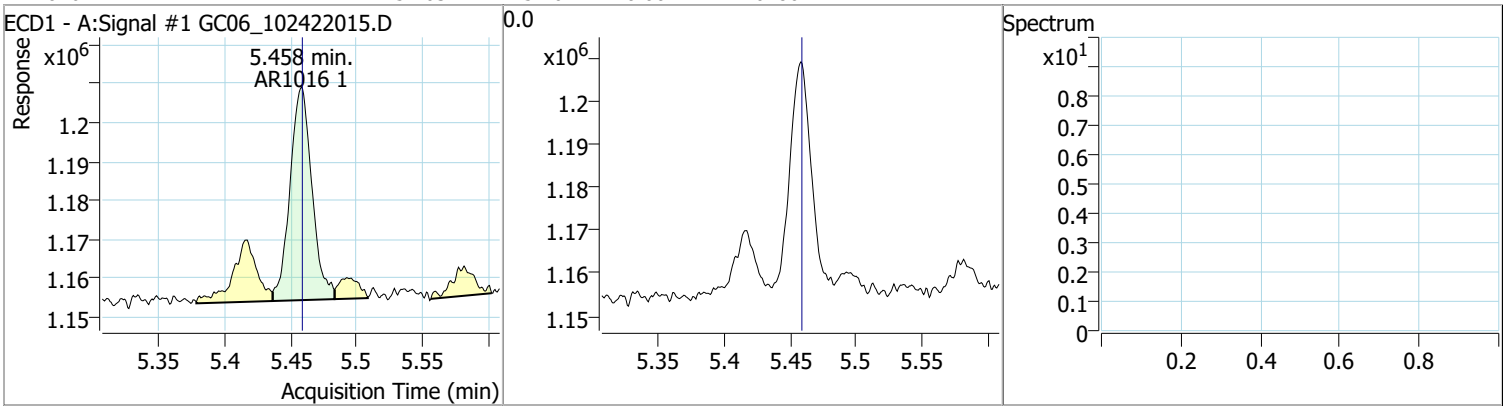
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1 #2	6.004	0.0	246736.718	53.7828	ng/ml		100
T AR1016 3	6.284	0.0	156745.895	53.7814	ng/ml		100
T AR1016 4	6.429	0.0	121378.176	54.7573	ng/ml	m	100
T AR1016 2 #2	6.448	0.0	361879.943	54.6441	ng/ml	m	100
T AR1016 5	6.907	0.0	97415.221	54.5615	ng/ml		100
T AR1016 3 #2	7.033	0.0	652565.398	54.2308	ng/ml		100
T AR1016 4 #2	7.223	0.0	469712.957	54.6779	ng/ml		100
T AR1016 5 #2	7.964	0.0	370461.655	53.0536	ng/ml		100
T AR1260 1	8.878	0.0	198864.945	53.6454	ng/ml		100
T AR1260 2	9.339	0.0	301488.499	53.3592	ng/ml		100
T AR1260 3	9.749	0.0	298525.793	50.5491	ng/ml		100
T AR1260 1 #2	10.088	0.0	703926.868	53.5865	ng/ml		100
T AR1260 4	10.215	0.0	180050.819	42.2826	ng/ml		100
T AR1260 2 #2	10.342	0.0	881097.856	55.8239	ng/ml		100
T AR1260 5	10.580	0.0	395492.284	42.0555	ng/ml		100
T AR1260 3 #2	10.760	0.0	1078261.882	53.9712	ng/ml		100
T AR1260 4 #2	11.174	0.0	694396.452	39.6741	ng/ml		100
T AR1260 5 #2	11.873	0.0	1020309.367	42.7953	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

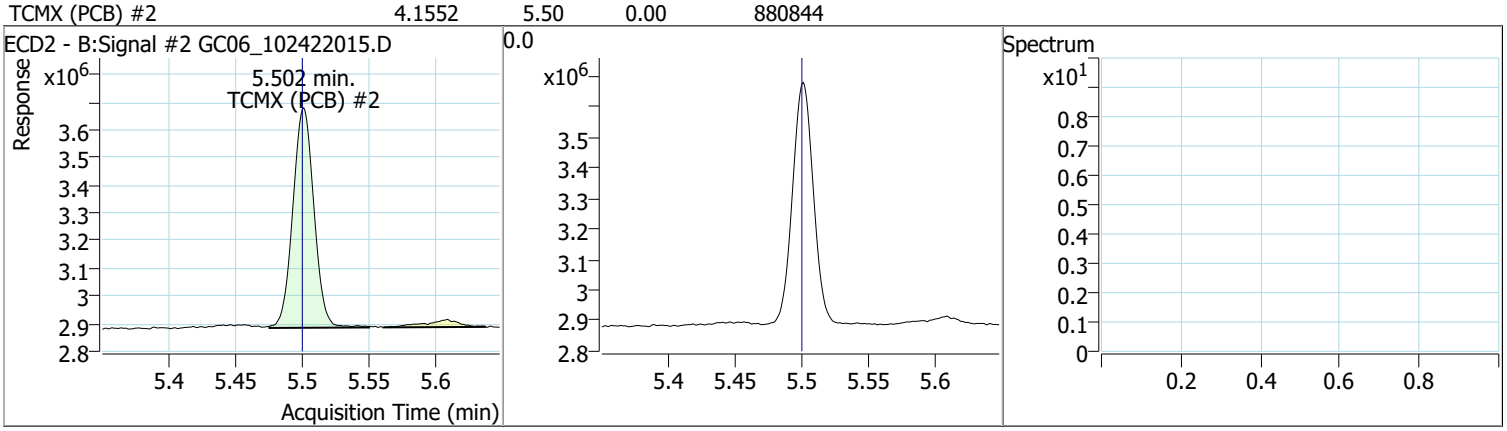
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	4.0163	5.10	0.00	211717				



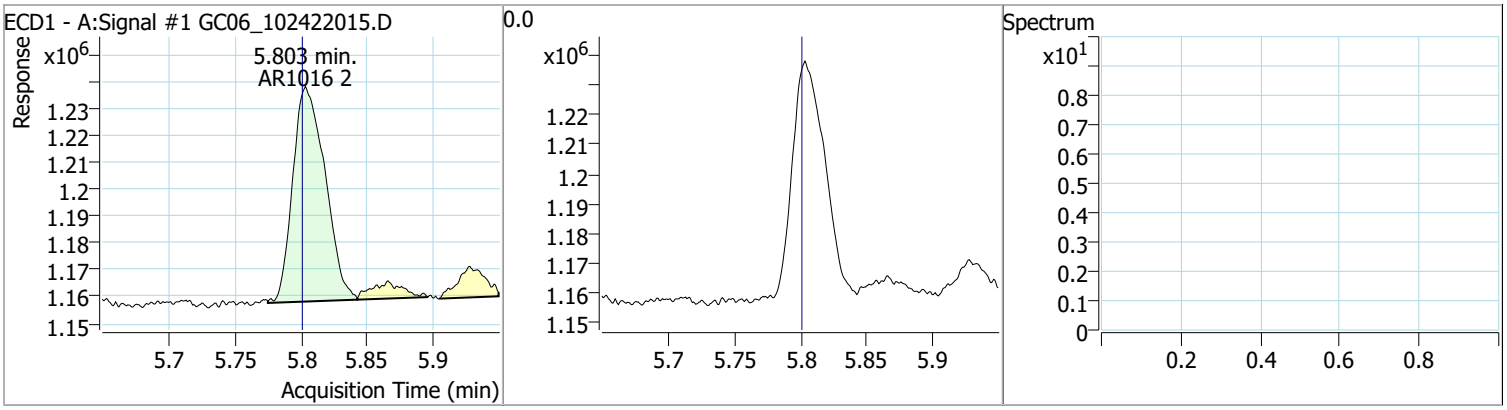
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	54.6321	5.46	0.00	62801				



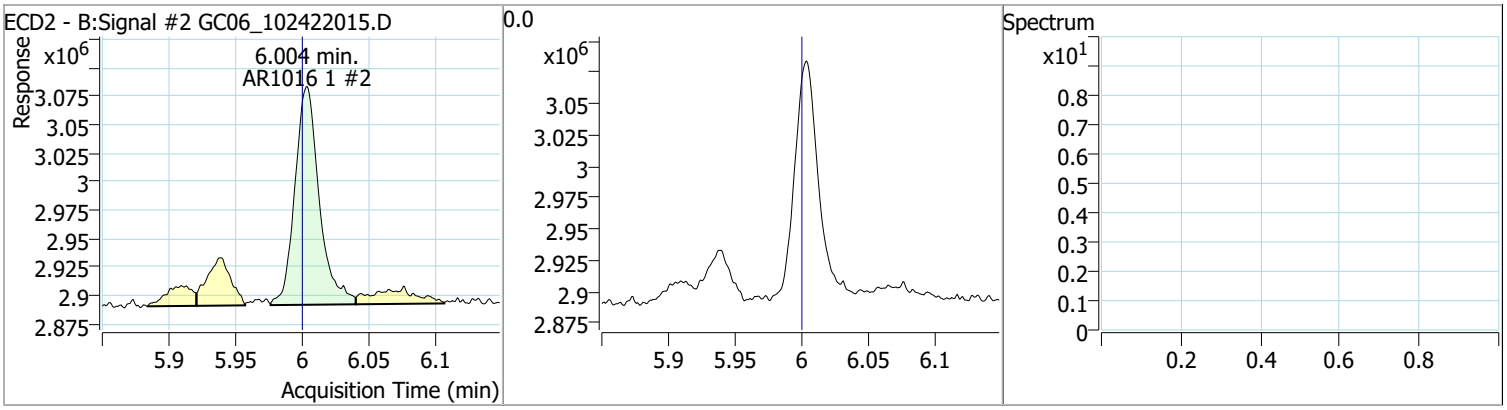
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.1552	5.50	0.00	880844				



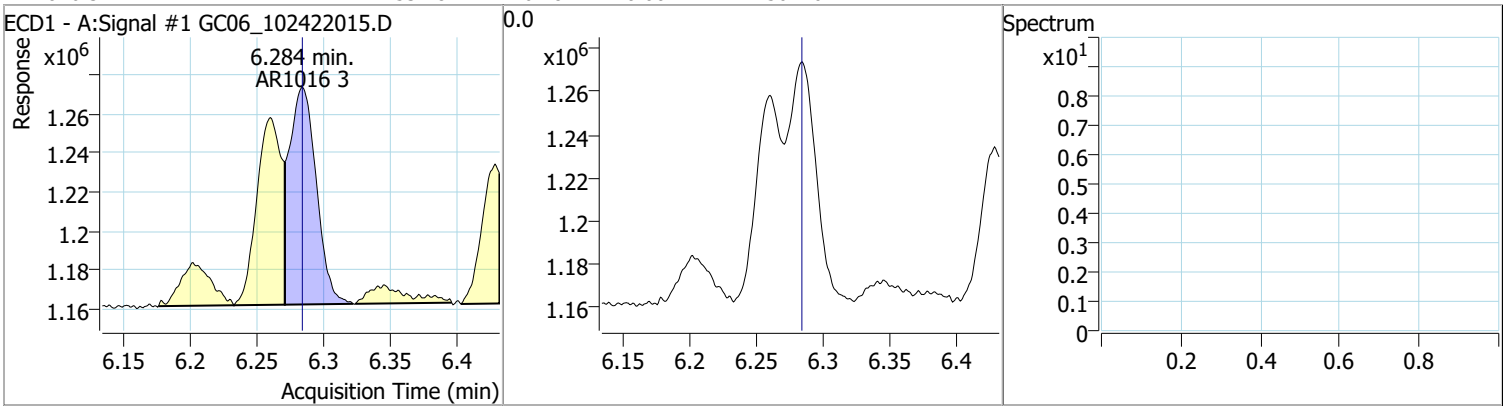
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	43.7895	5.80	0.00	135263				



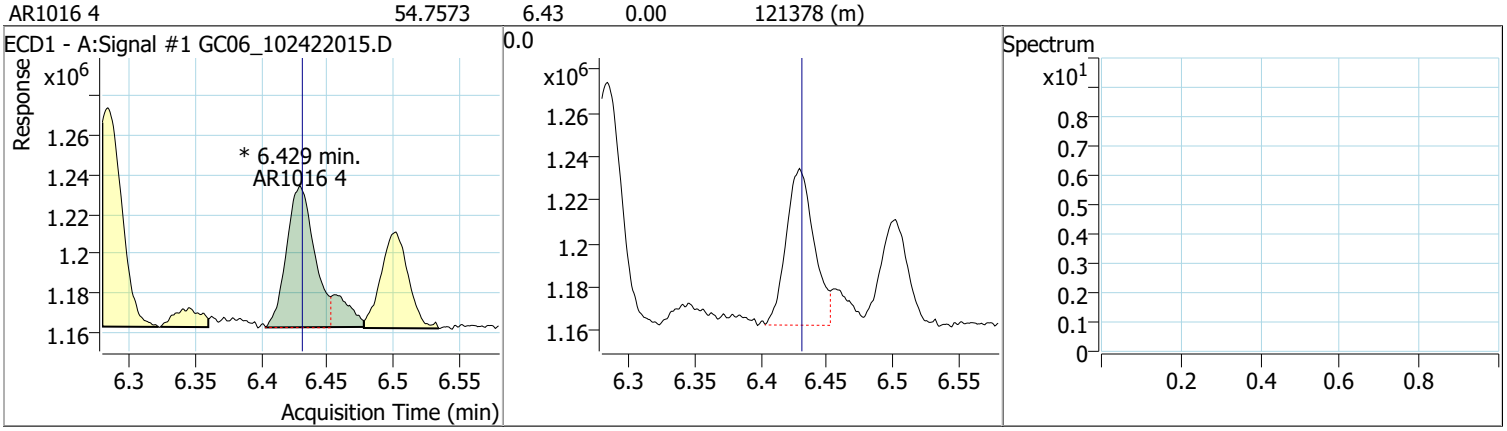
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	53.7828	6.00	0.00	246737				



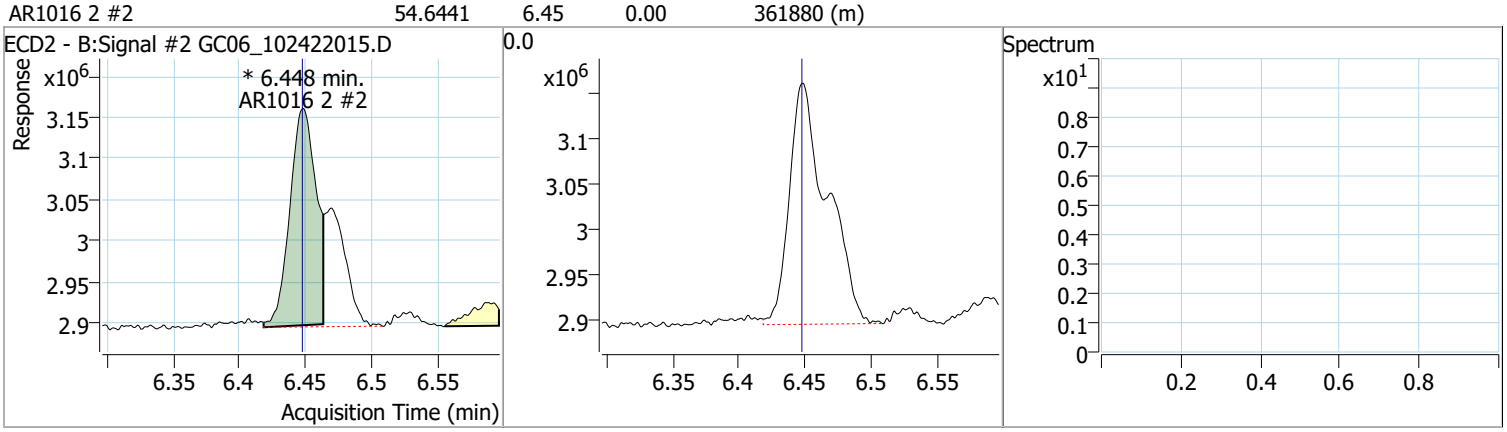
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	53.7814	6.28	0.00	156746				



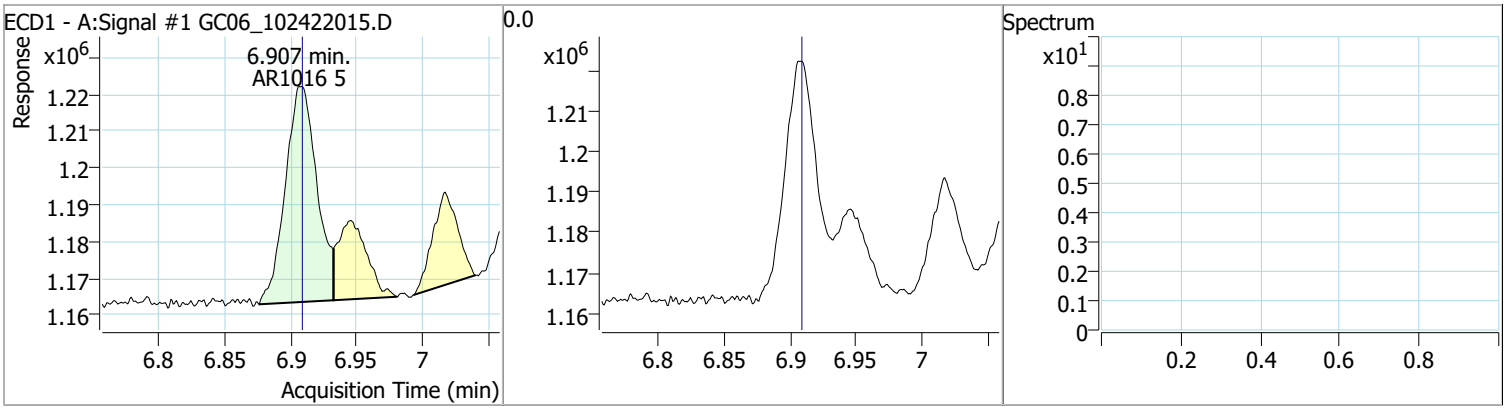
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	54.7573	6.43	0.00	121378 (m)				



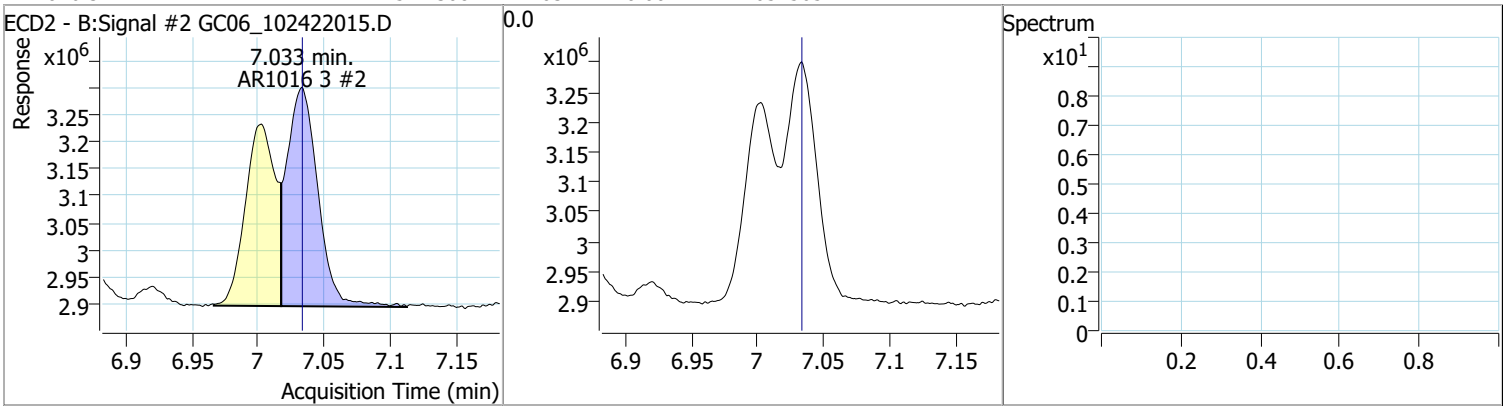
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	54.6441	6.45	0.00	361880 (m)				



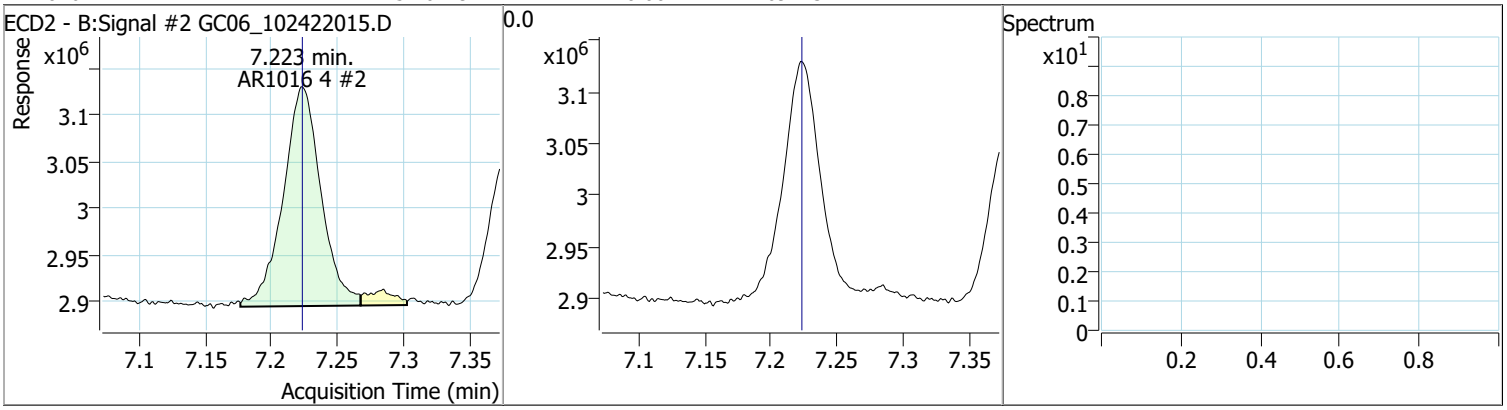
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	54.5615	6.91	0.00	97415				



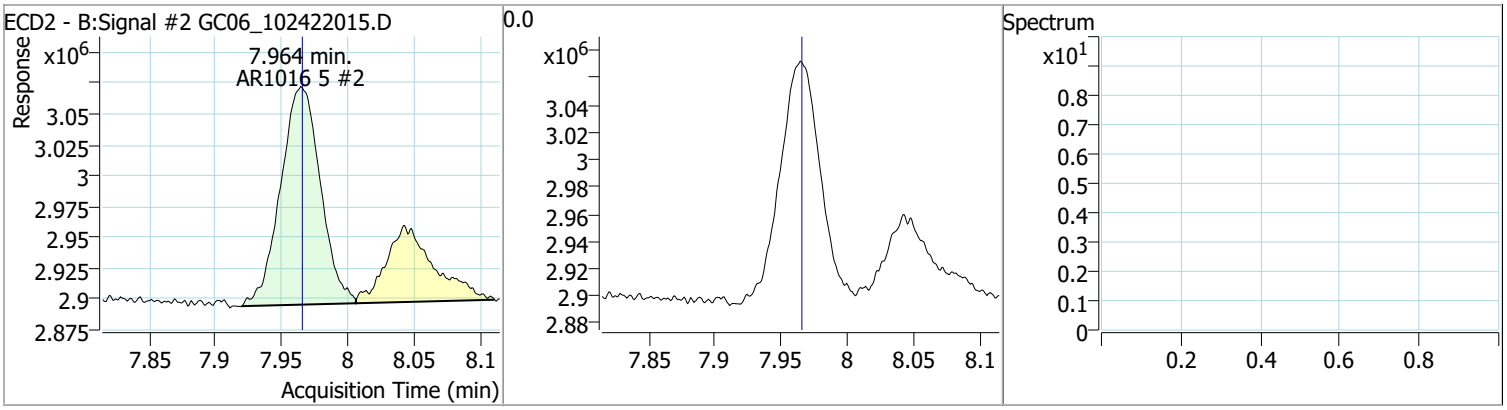
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	54.2308	7.03	0.00	652565				



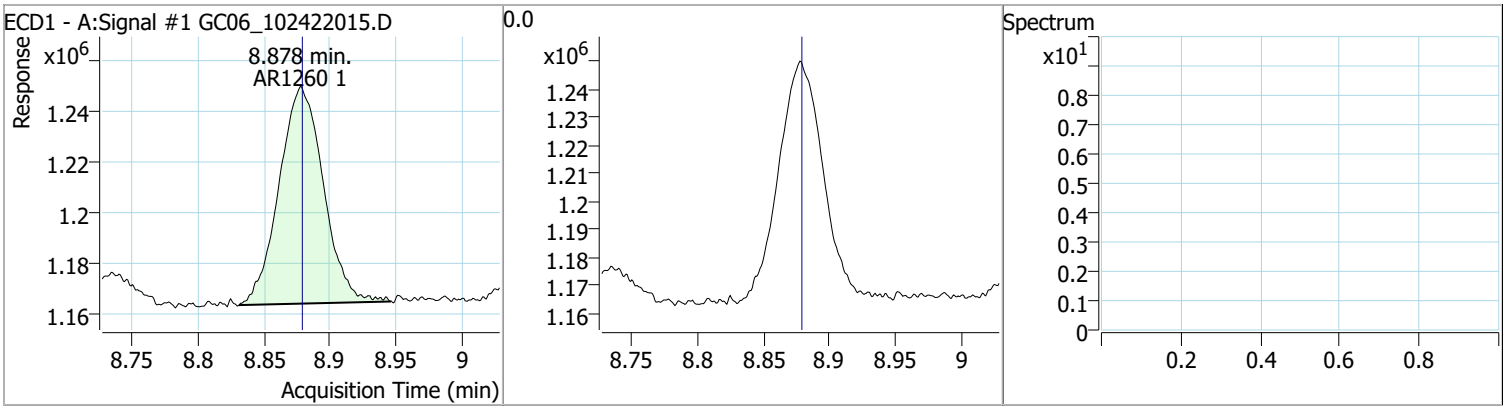
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	54.6779	7.22	0.00	469713				



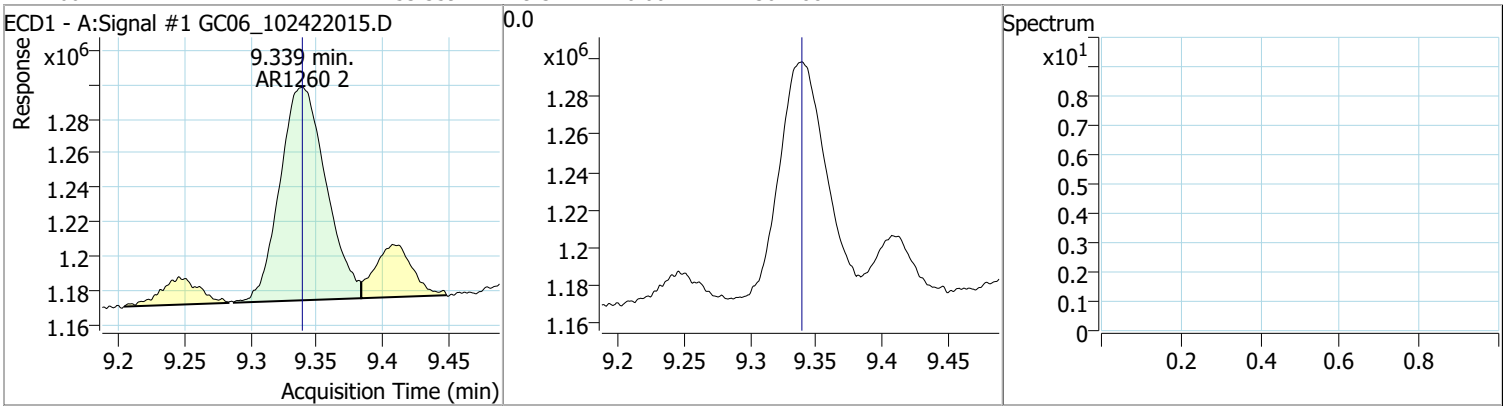
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	53.0536	7.96	0.00	370462				



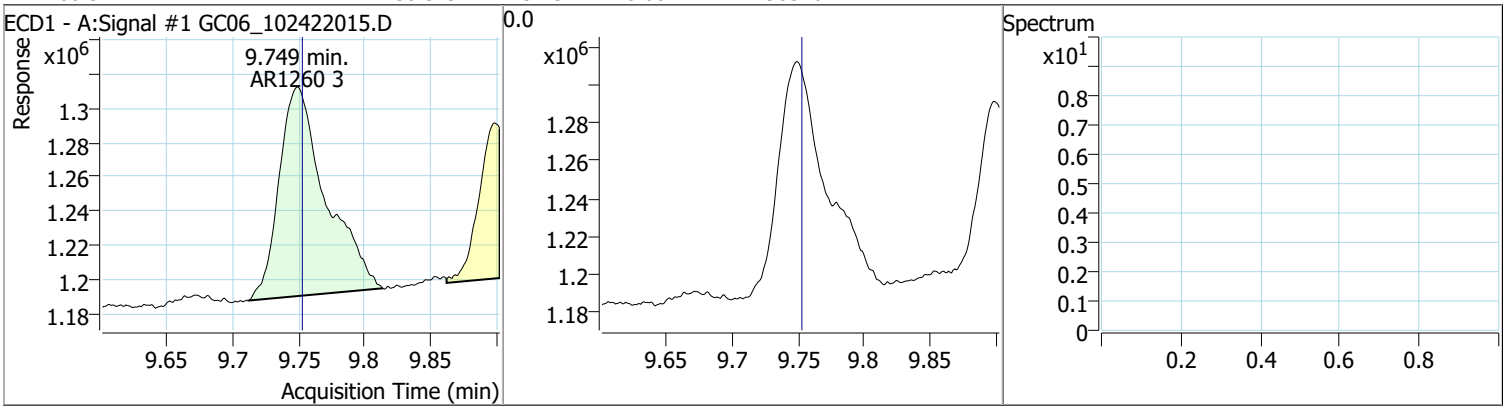
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	53.6454	8.88	0.00	198865				



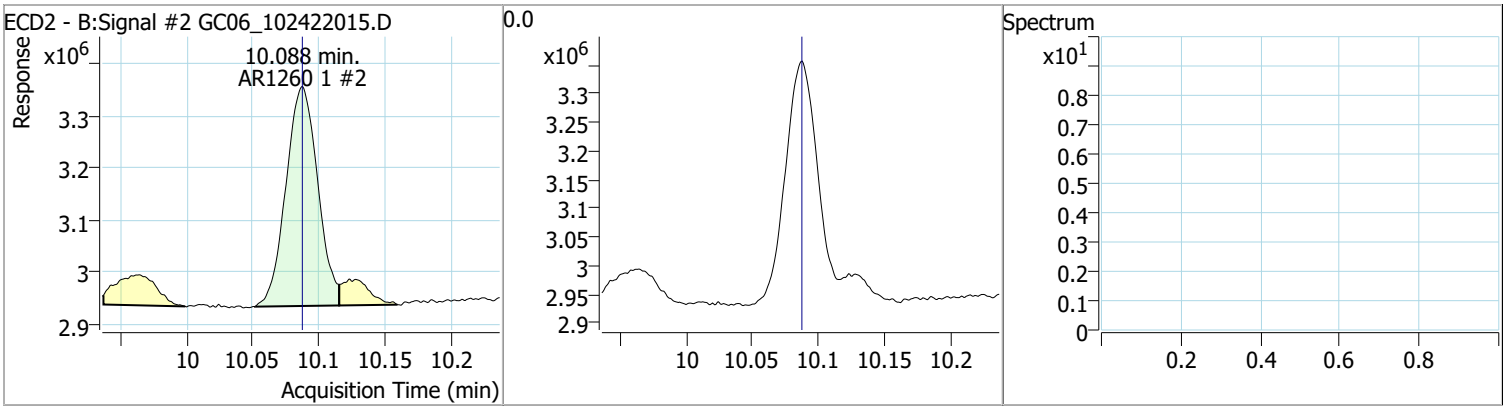
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	53.3592	9.34	0.00	301488				



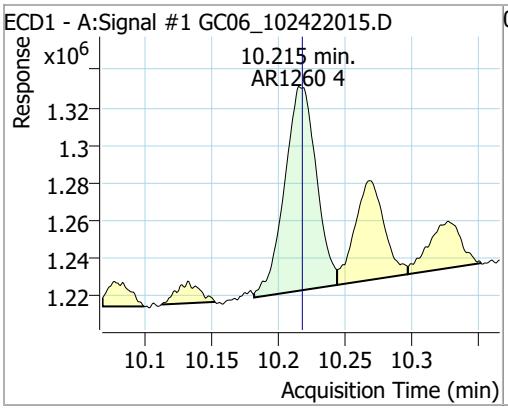
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	50.5491	9.75	0.00	298526				

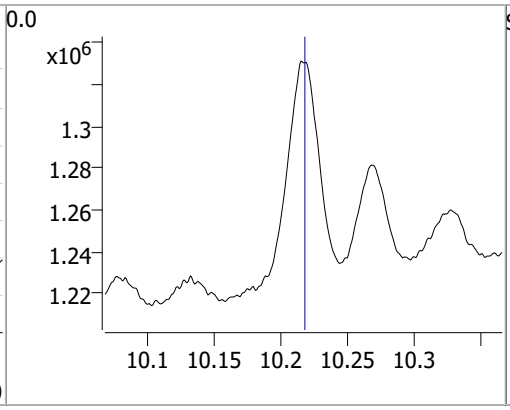


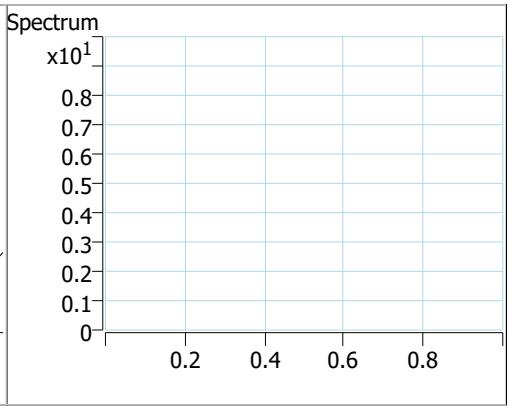
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	53.5865	10.09	0.00	703927				



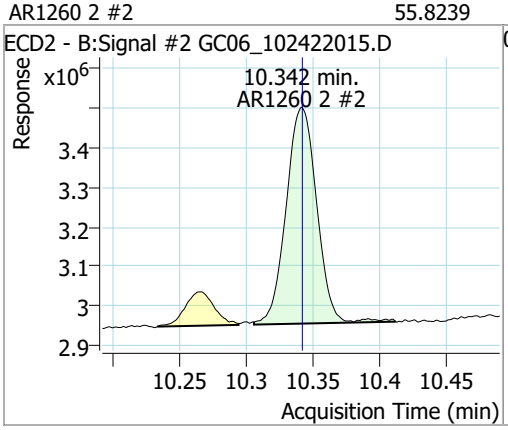
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	42.2826	10.22	0.00	180051				

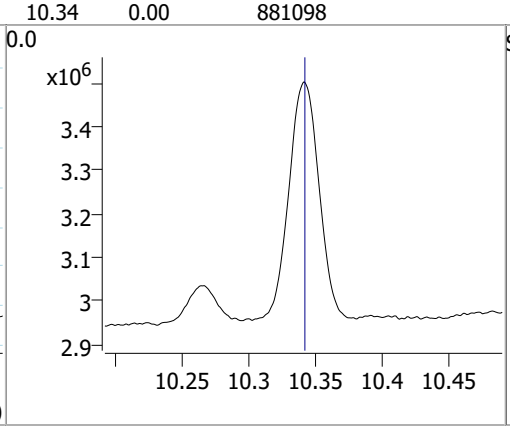


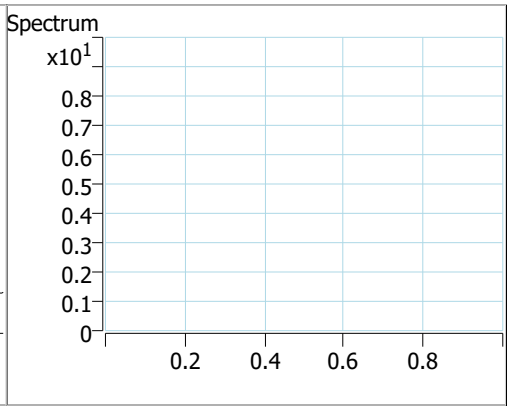




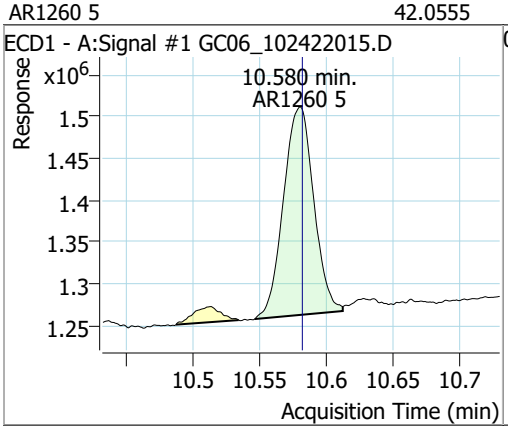
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	55.8239	10.34	0.00	881098				

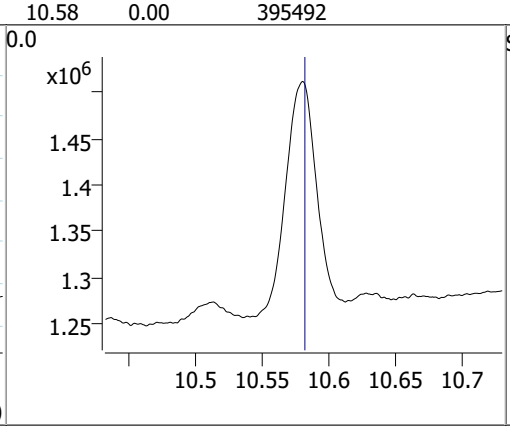


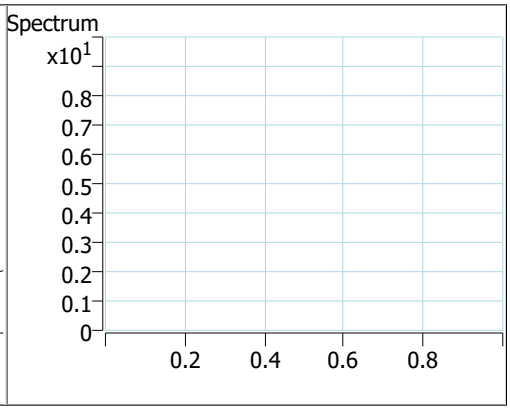




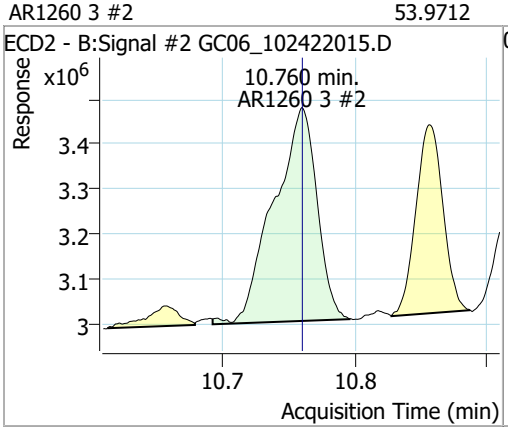
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	42.0555	10.58	0.00	395492				

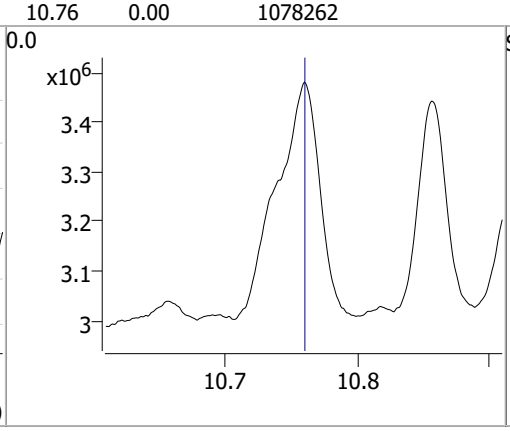


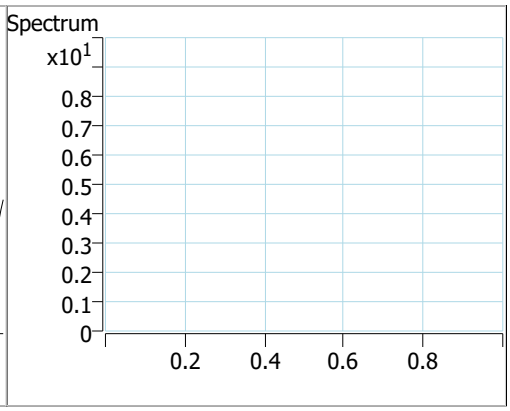




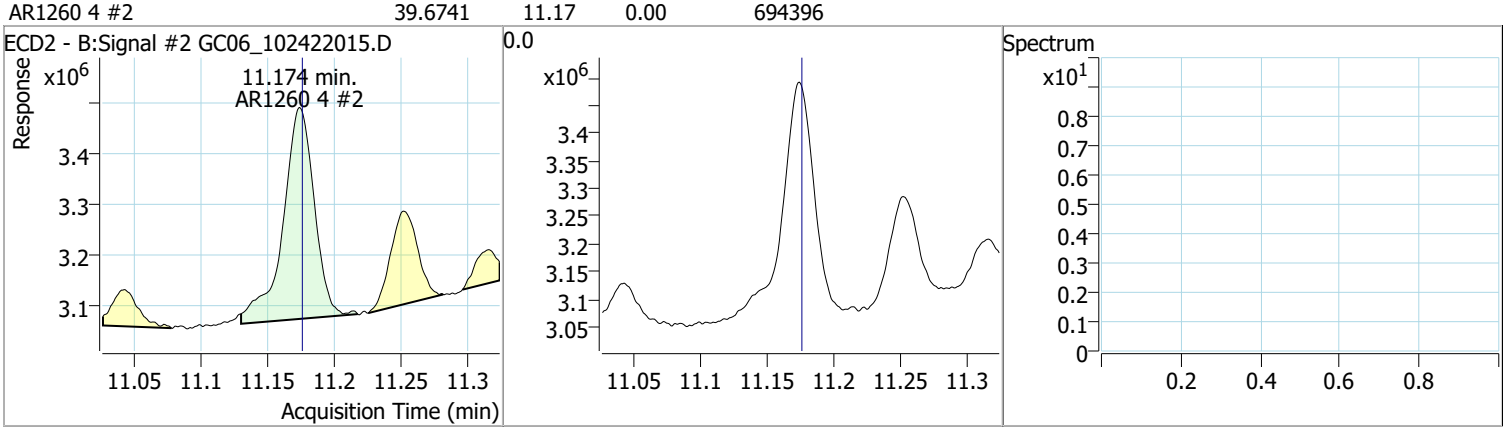
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	53.9712	10.76	0.00	1078262				



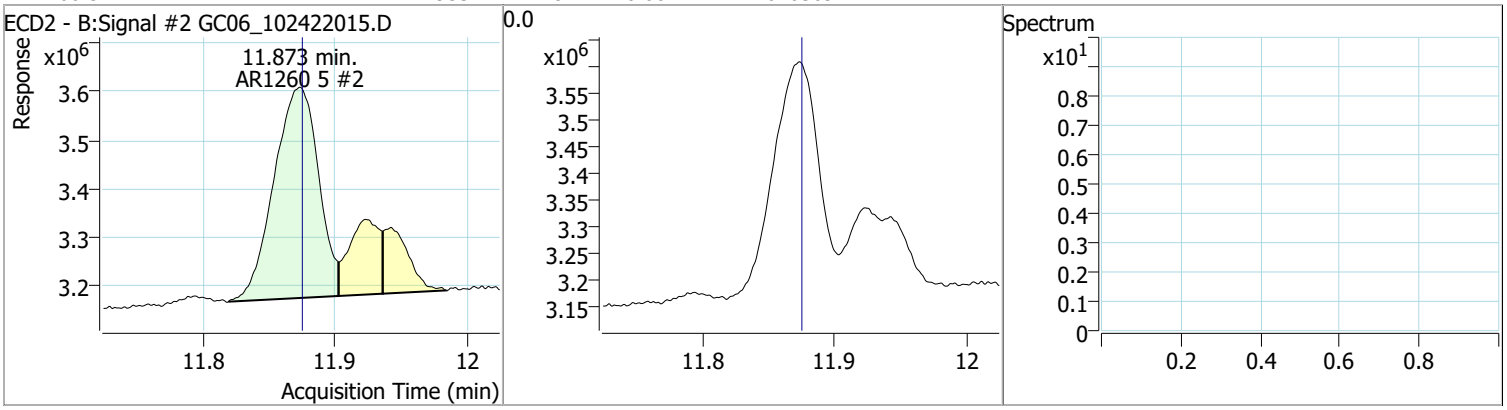




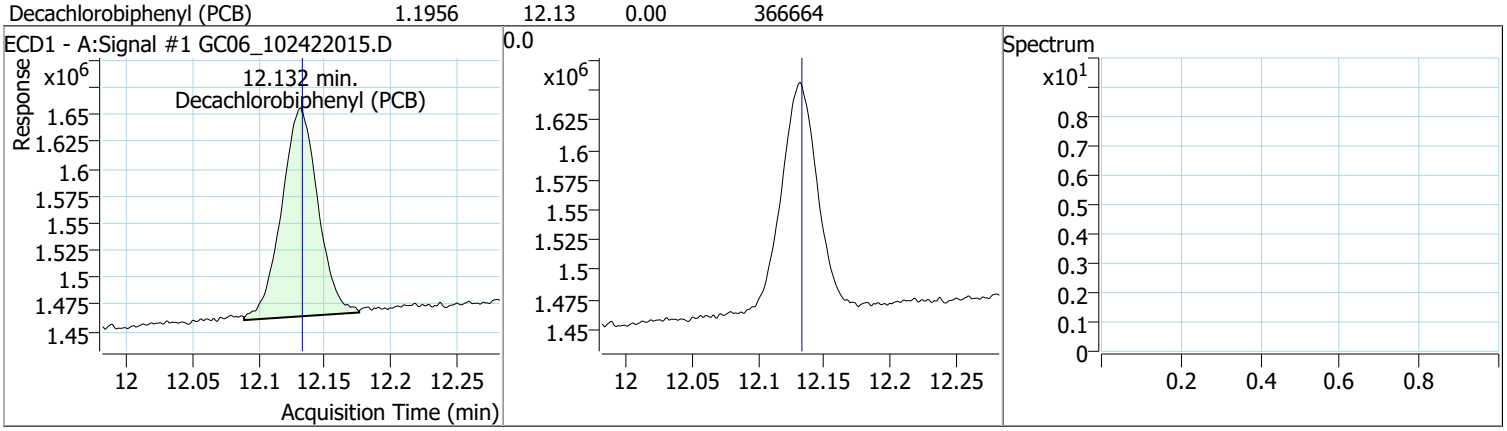
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	39.6741	11.17	0.00	694396				



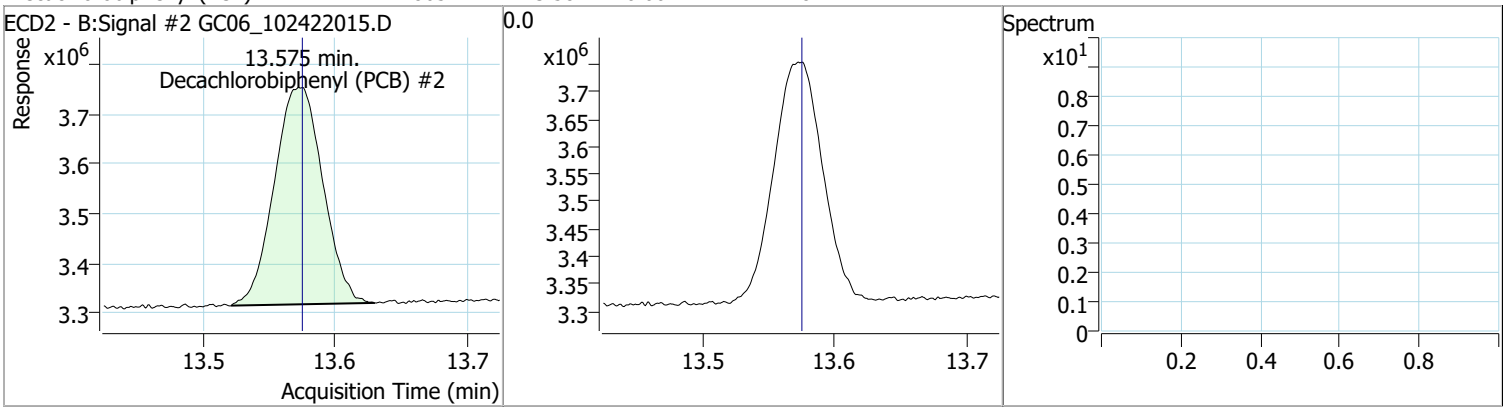
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	42.7953	11.87	0.00	1020309				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.1956	12.13	0.00	366664				

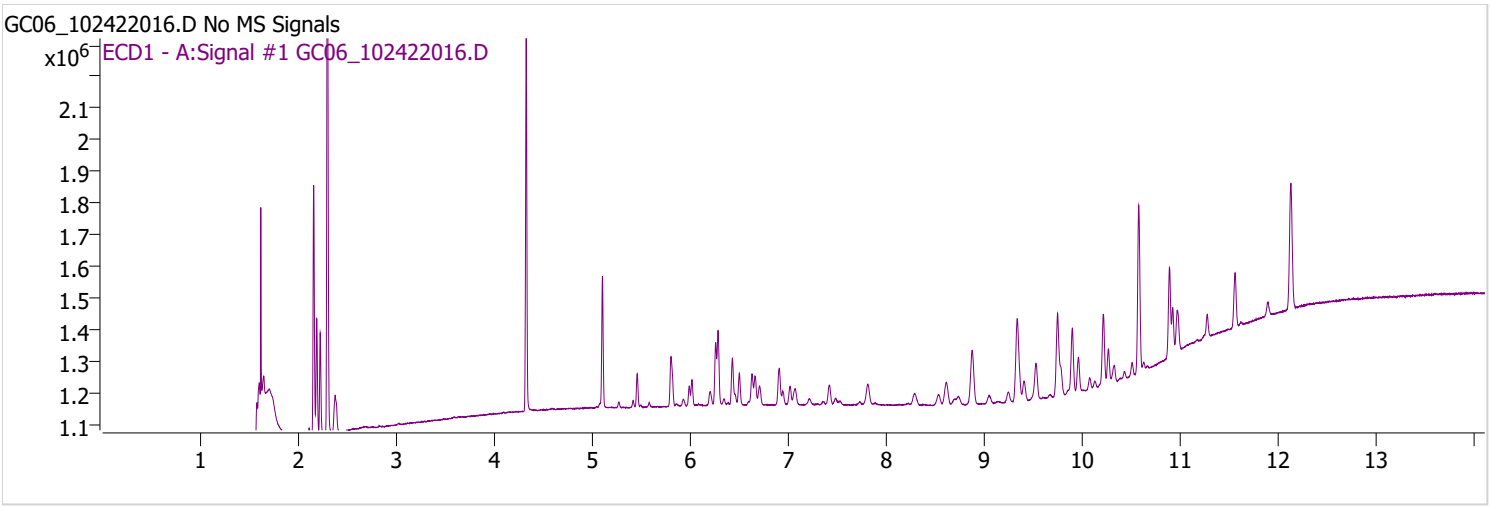


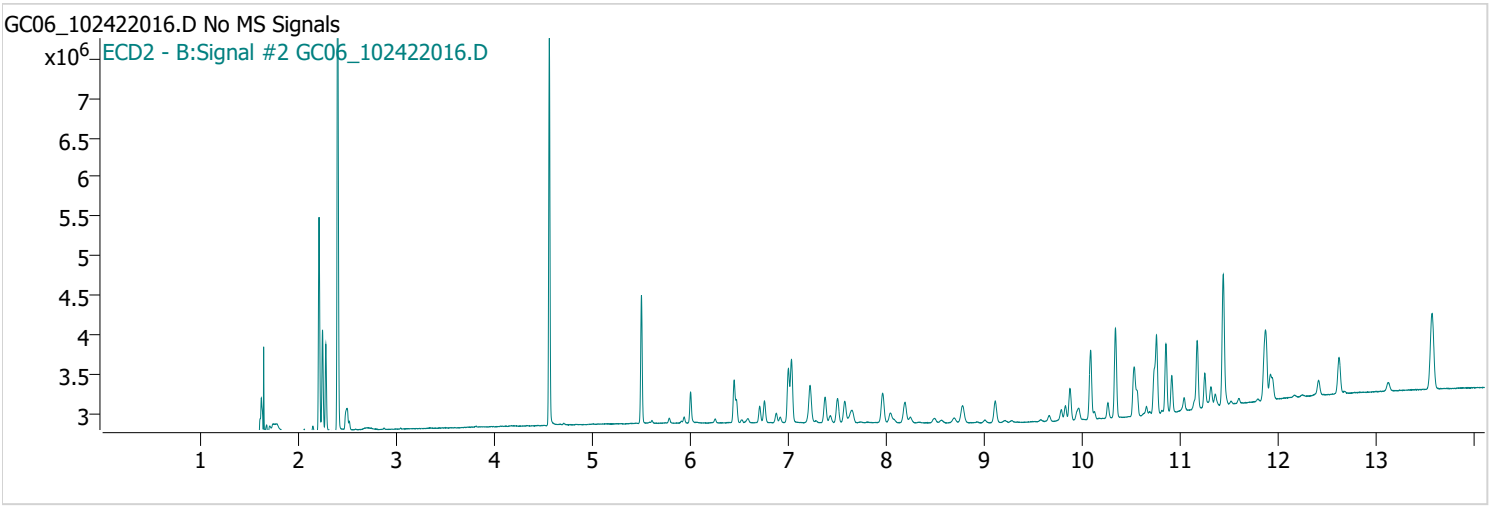
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.8657	13.58	0.00	1117874				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422016.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 6:02:02 PM
Sample Name	ICAL, S17265	Instrument	SVOA-GC06
Vial	13	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



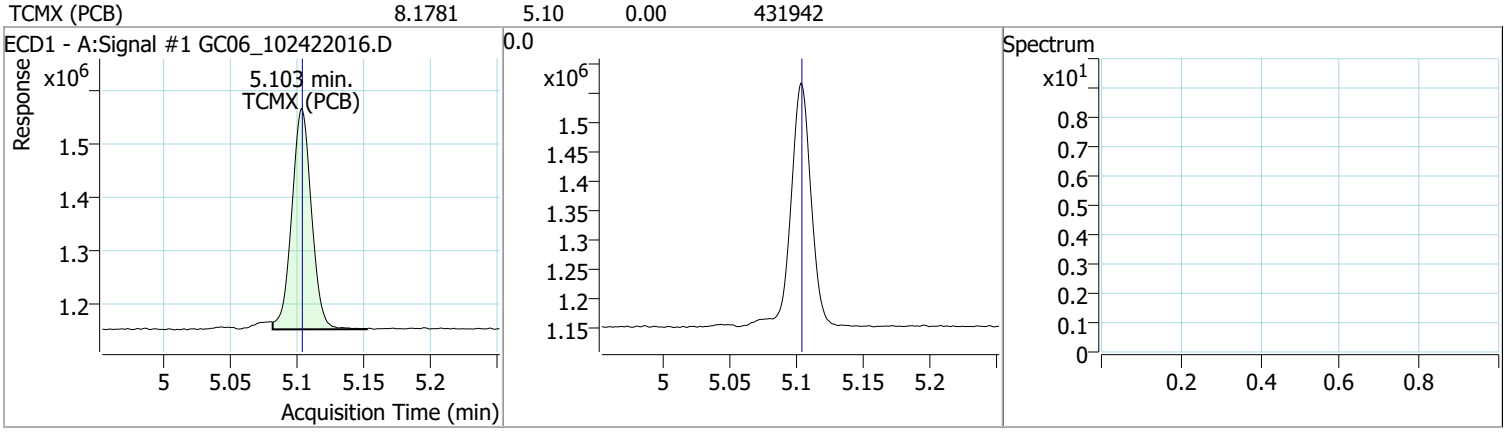


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1098556.587	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.561	0.0	4473955.688	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	431941.849	8.1781	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 40.89%		*	
S TCMX (PCB) #2	5.502	0.0	1756841.947	8.1767	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 40.88%		*	
S Decachlorobiphenyl (PCB)	12.133	0.0	769715.326	7.2383	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 36.19%		*	
S Decachlorobiphenyl (PCB) #2	13.576	0.0	2414988.806	8.4992	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 42.50%		*	
Target Compounds							**QValue**
T AR1016 1	5.458	0.0	126029.603	109.4237	ng/ml		100

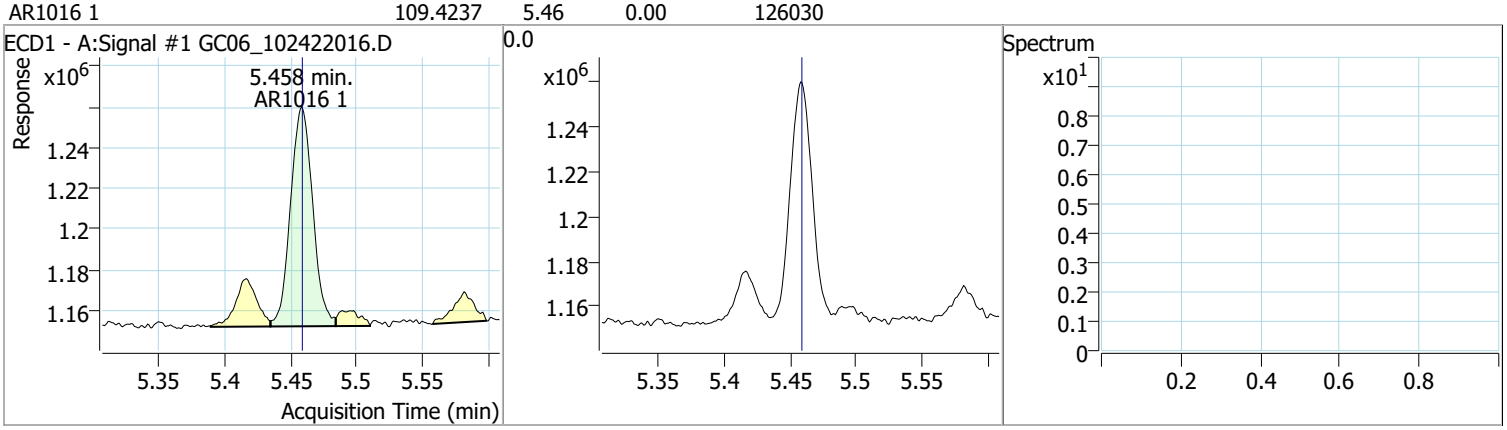
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.803	0.0	273792.604	104.1655	ng/ml		100
T AR1016 1 #2	6.003	0.0	494438.051	106.3335	ng/ml		100
T AR1016 3	6.284	0.0	317105.085	108.5912	ng/ml		100
T AR1016 4	6.431	0.0	243468.264	109.6225	ng/ml		100
T AR1016 2 #2	6.448	0.0	752749.371	112.1446	ng/ml	m	100
T AR1016 5	6.909	0.0	194872.097	108.9344	ng/ml		100
T AR1016 3 #2	7.033	0.0	1331099.472	109.1394	ng/ml		100
T AR1016 4 #2	7.223	0.0	949564.555	109.0568	ng/ml		100
T AR1016 5 #2	7.964	0.0	771943.524	109.0702	ng/ml		100
T AR1260 1	8.878	0.0	390861.384	105.2331	ng/ml		100
T AR1260 2	9.338	0.0	614413.614	108.5313	ng/ml		100
T AR1260 3	9.751	0.0	626423.788	105.8658	ng/ml		100
T AR1260 1 #2	10.088	0.0	1506423.617	113.1421	ng/ml		100
T AR1260 4	10.218	0.0	373415.612	104.0416	ng/ml		100
T AR1260 2 #2	10.342	0.0	1768113.790	110.5237	ng/ml		100
T AR1260 5	10.579	0.0	836749.386	108.9242	ng/ml		100
T AR1260 3 #2	10.761	0.0	2204619.622	108.8731	ng/ml		100
T AR1260 4 #2	11.176	0.0	1447196.030	106.5619	ng/ml		100
T AR1260 5 #2	11.873	0.0	2132038.907	108.0368	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

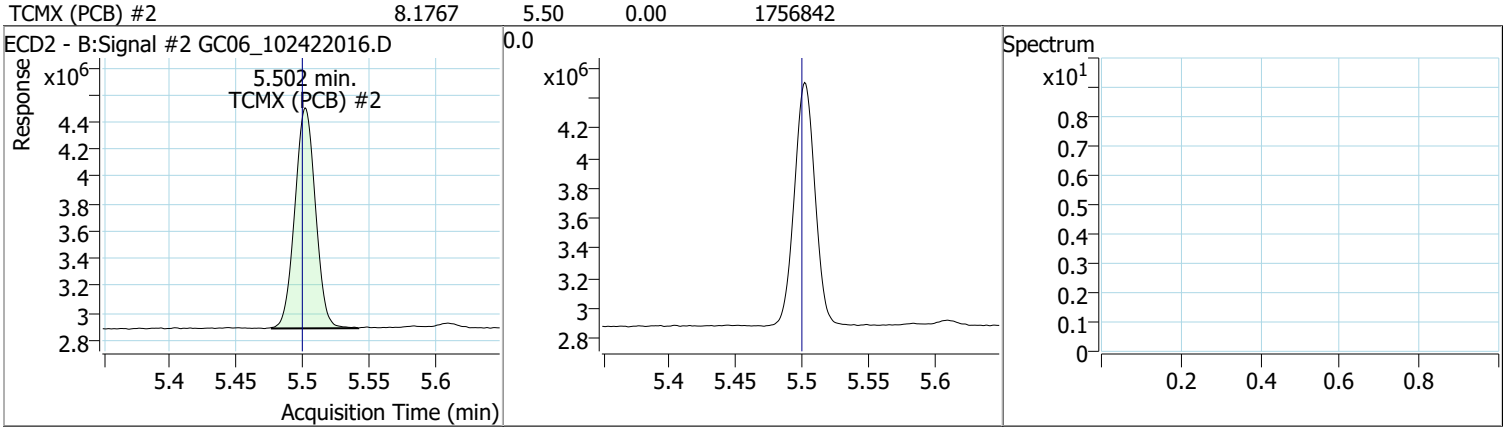
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	8.1781	5.10	0.00	431942				



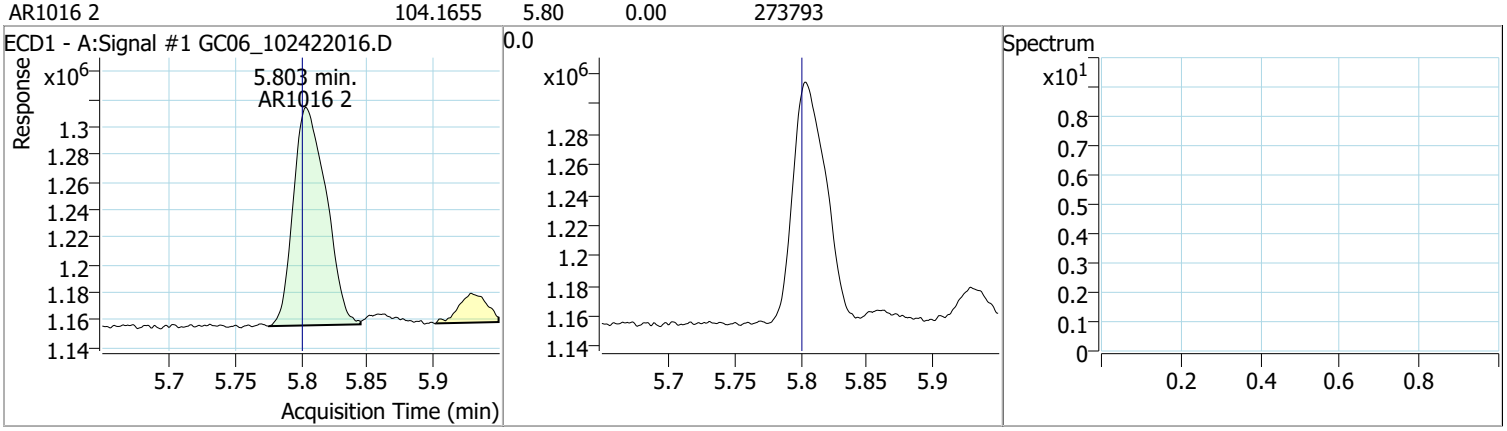
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	109.4237	5.46	0.00	126030				



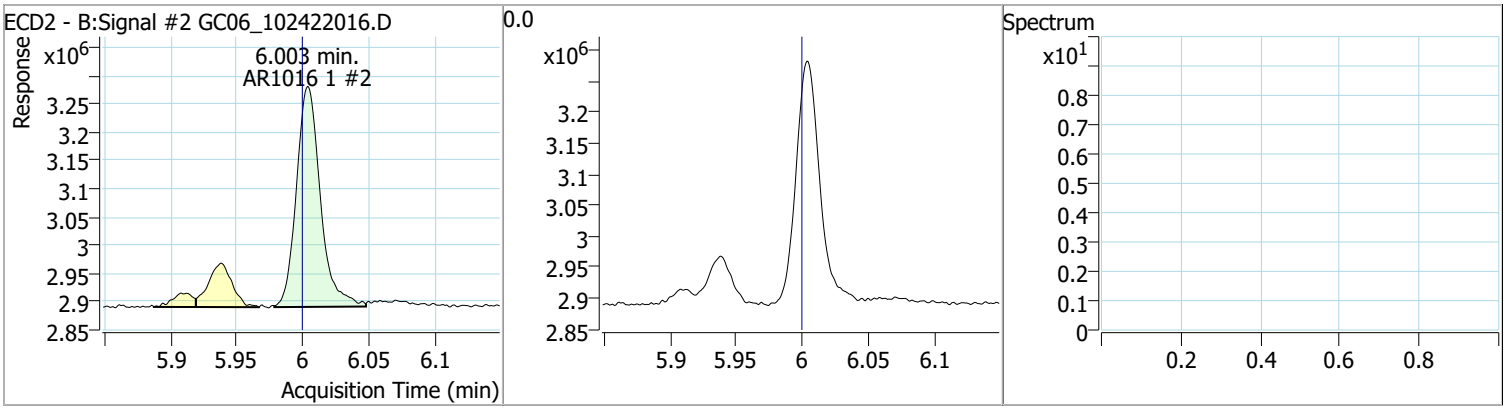
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	8.1767	5.50	0.00	1756842				



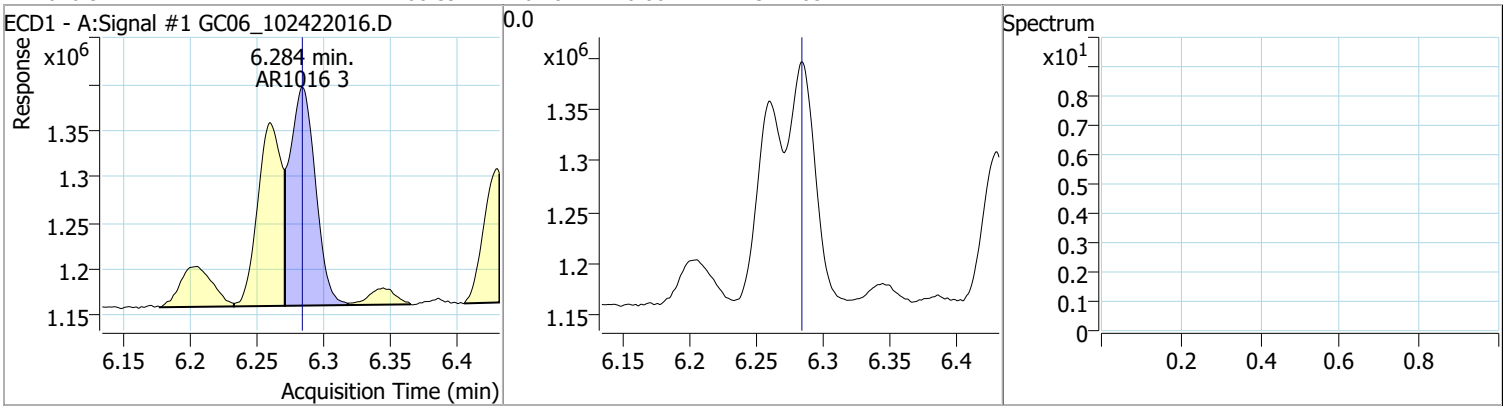
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	104.1655	5.80	0.00	273793				



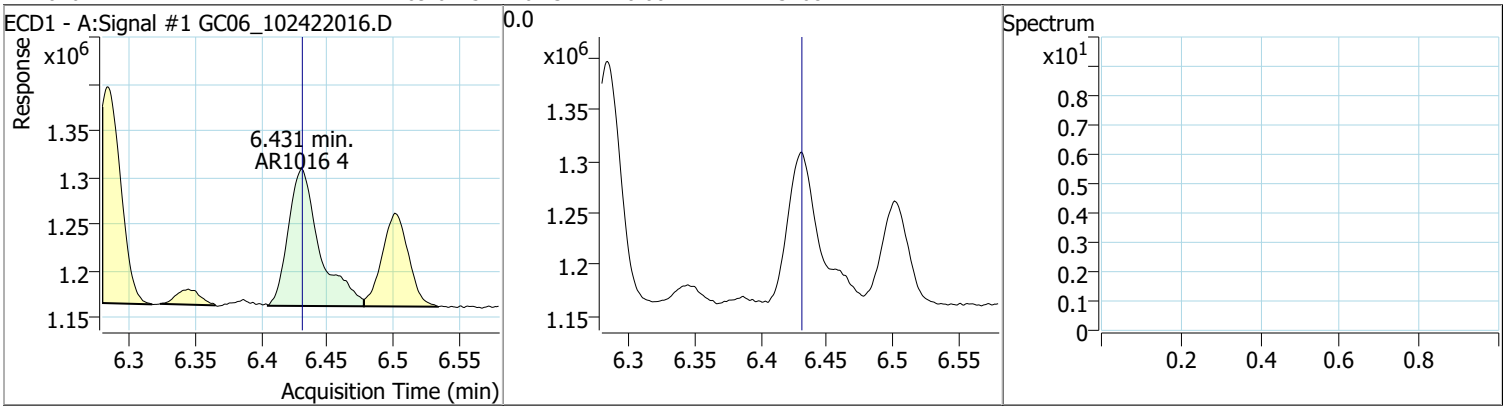
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	106.3335	6.00	0.00	494438				



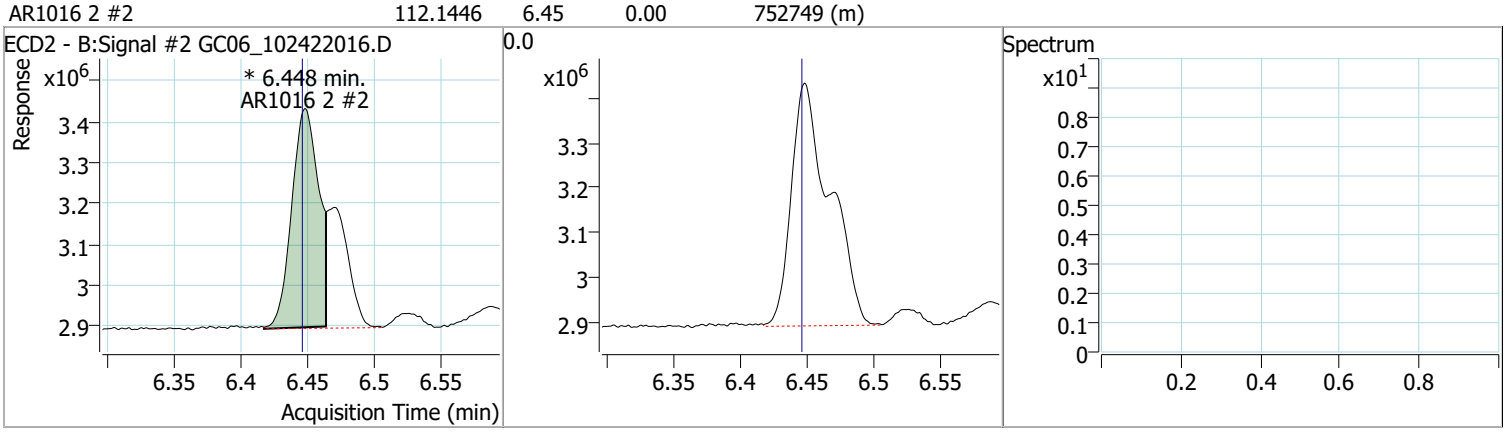
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	108.5912	6.28	0.00	317105				



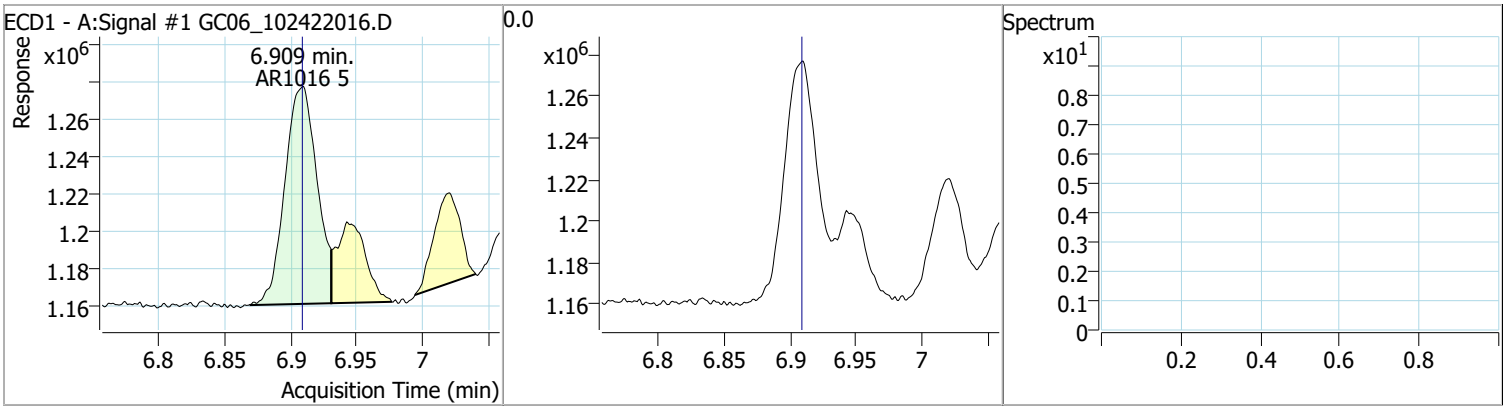
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	109.6225	6.43	0.00	243468				



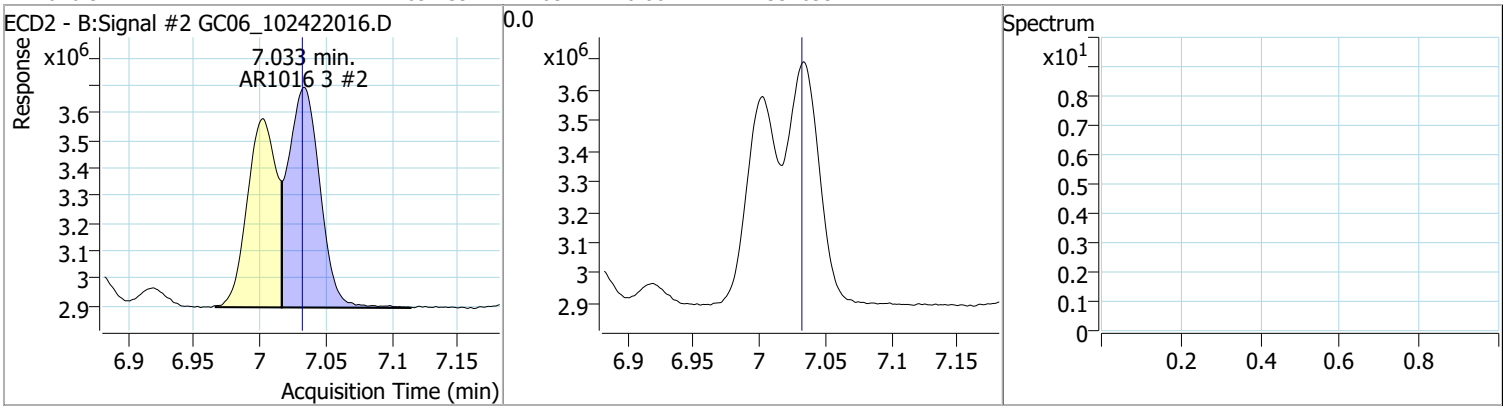
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	112.1446	6.45	0.00	752749 (m)				



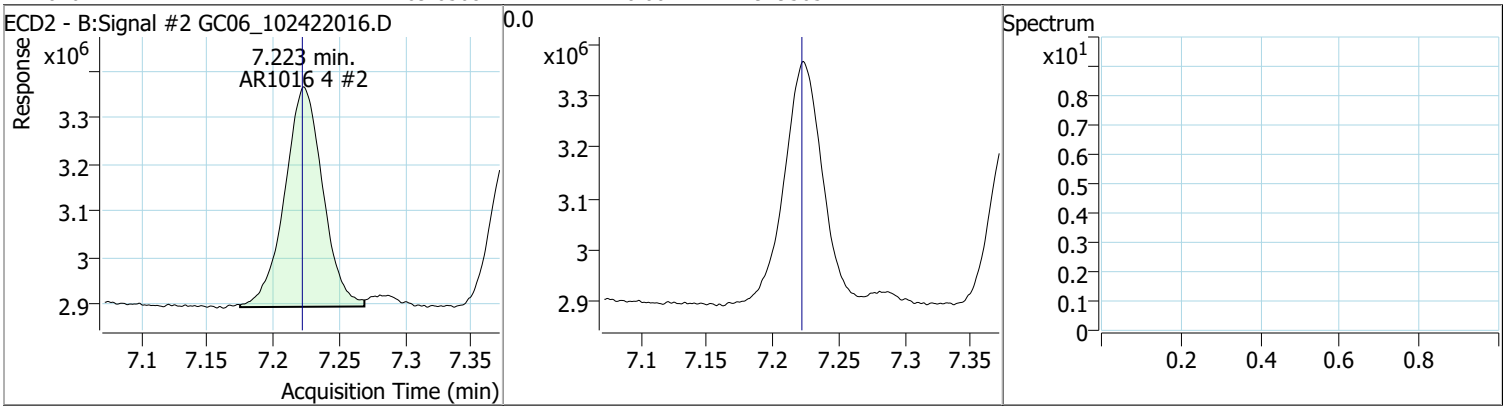
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	108.9344	6.91	0.00	194872				



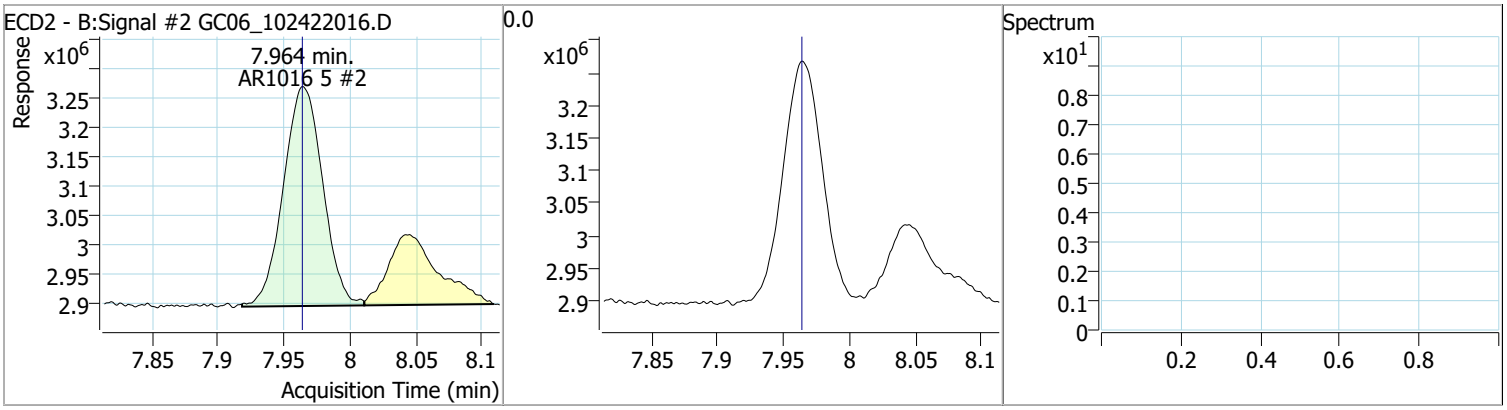
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	109.1394	7.03	0.00	1331099				



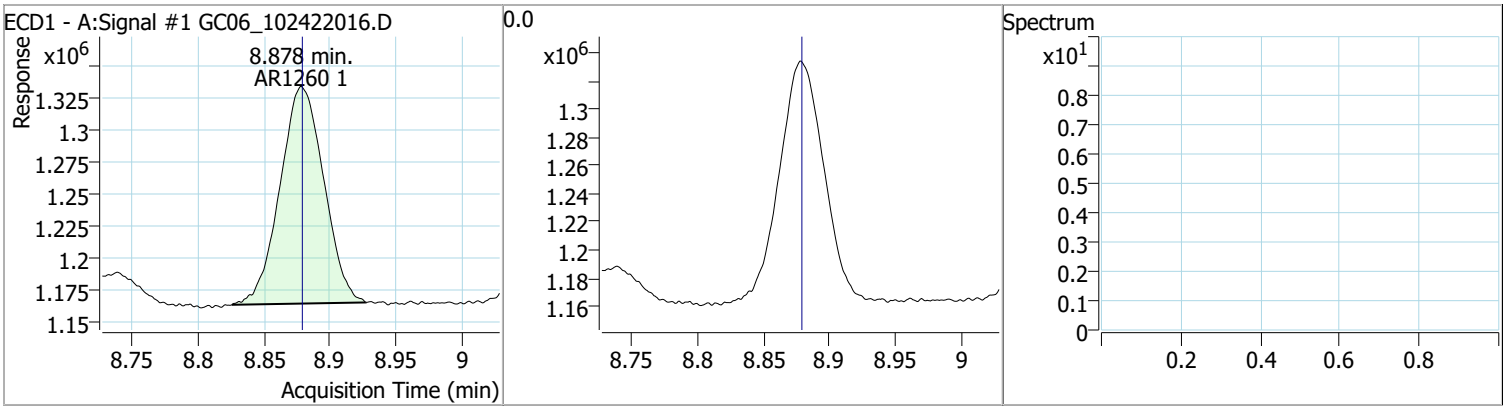
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	109.0568	7.22	0.00	949565				



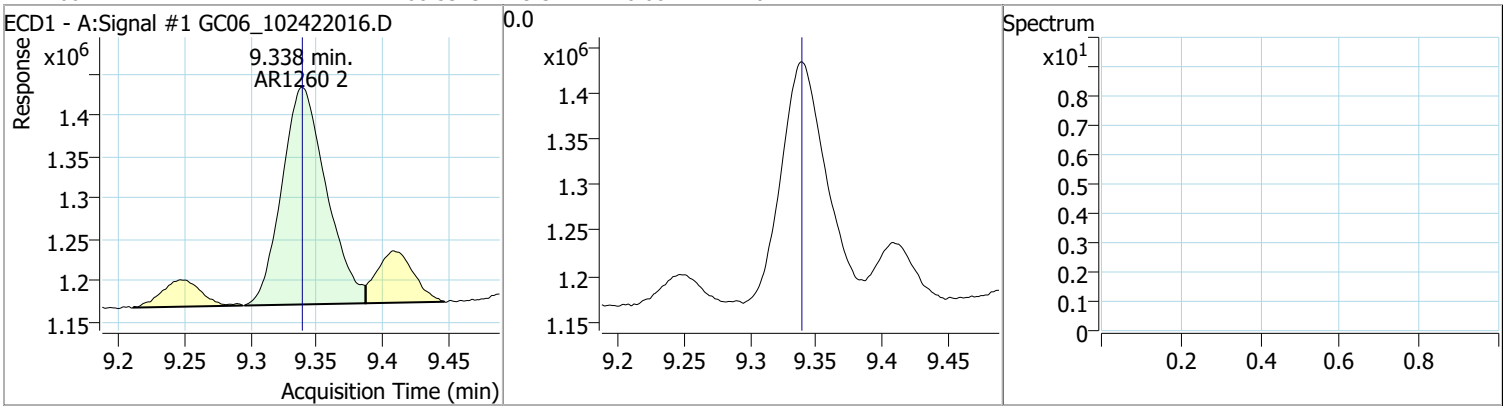
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	109.0702	7.96	0.00	771944				



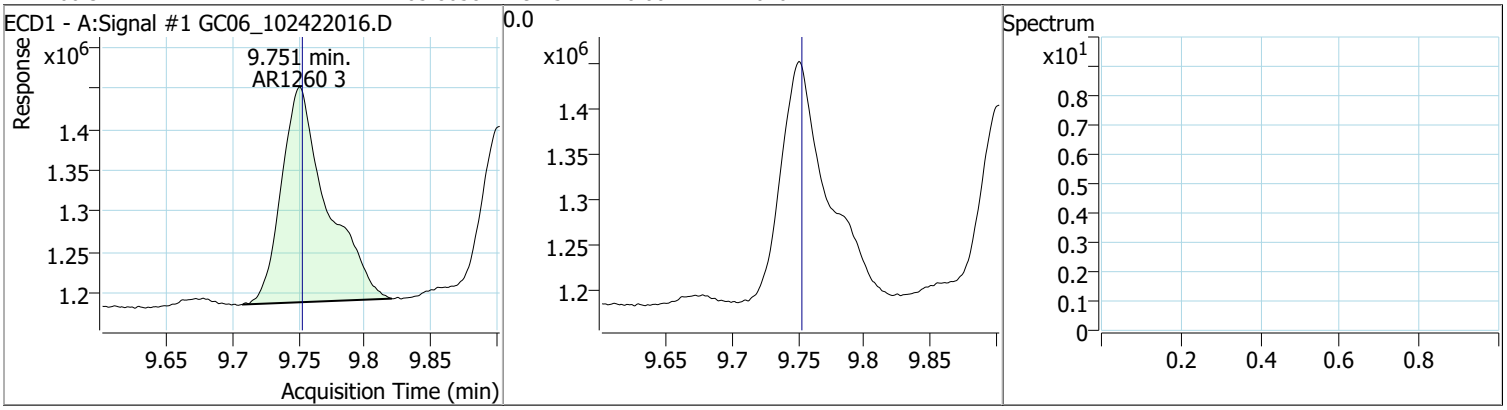
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	105.2331	8.88	0.00	390861				



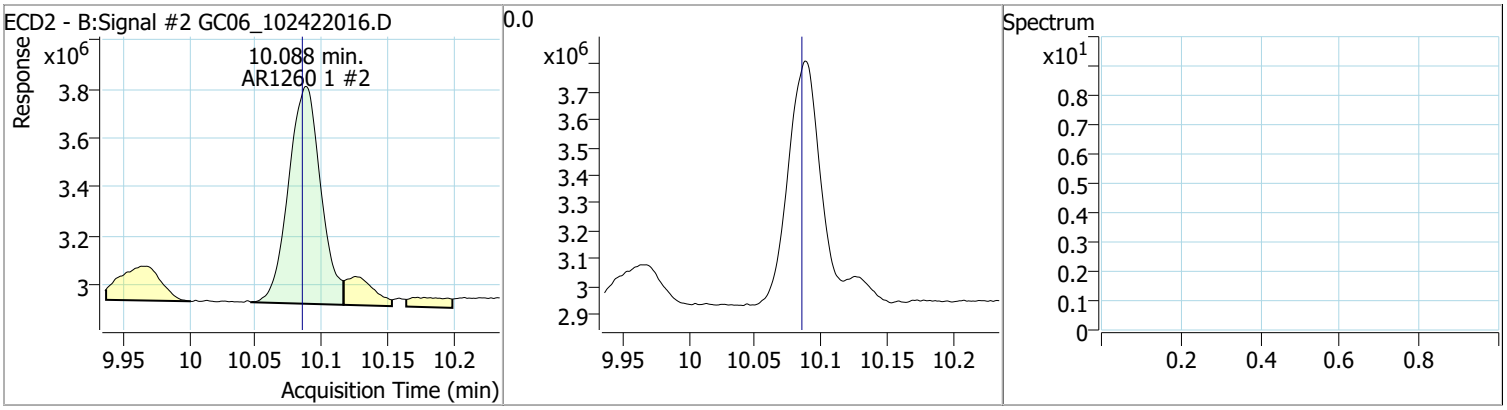
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	108.5313	9.34	0.00	614414				



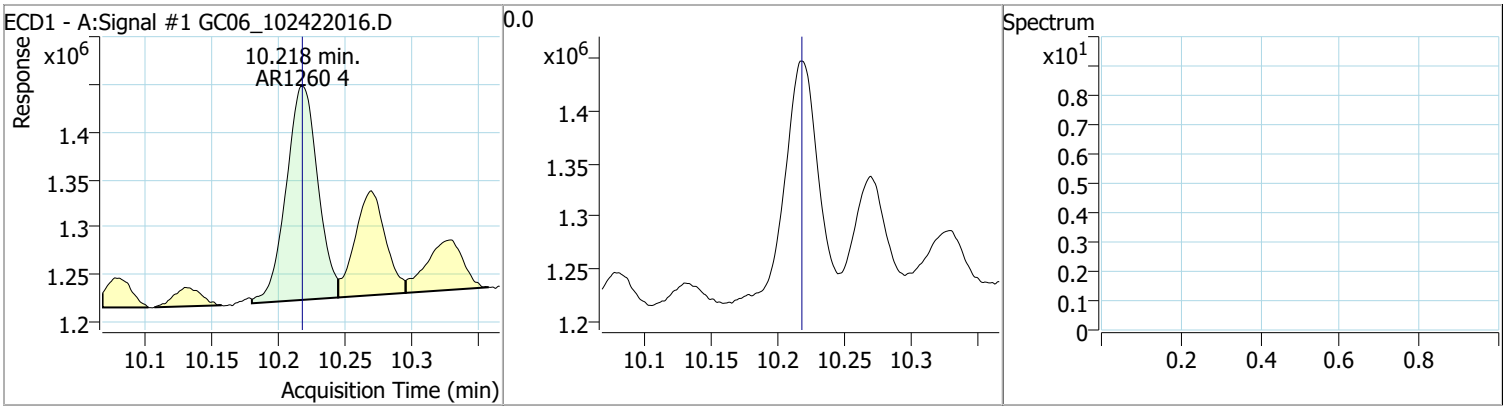
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	105.8658	9.75	0.00	626424				



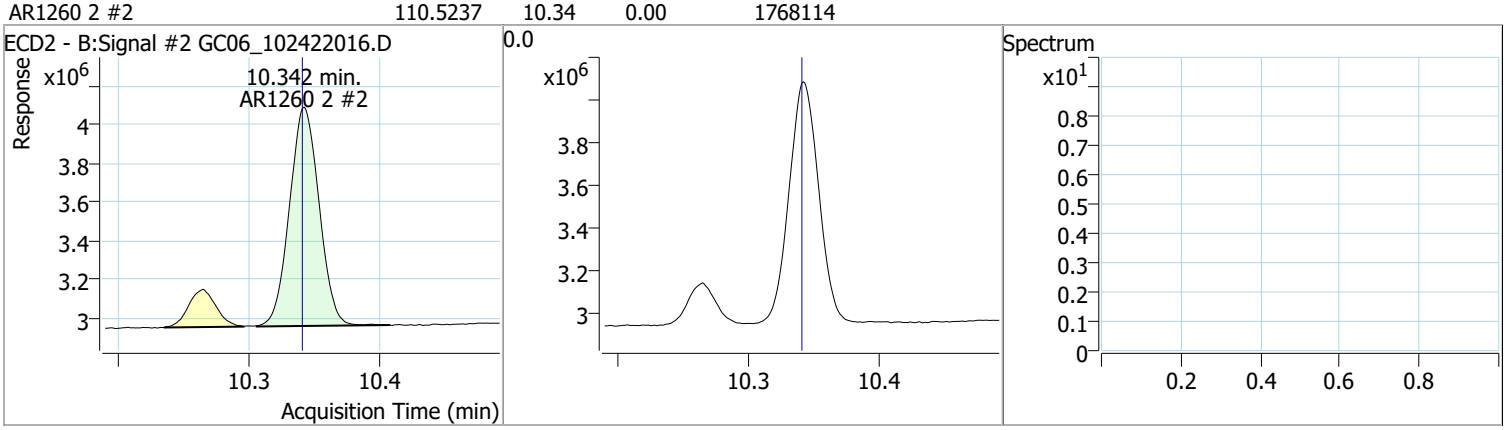
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	113.1421	10.09	0.00	1506424				



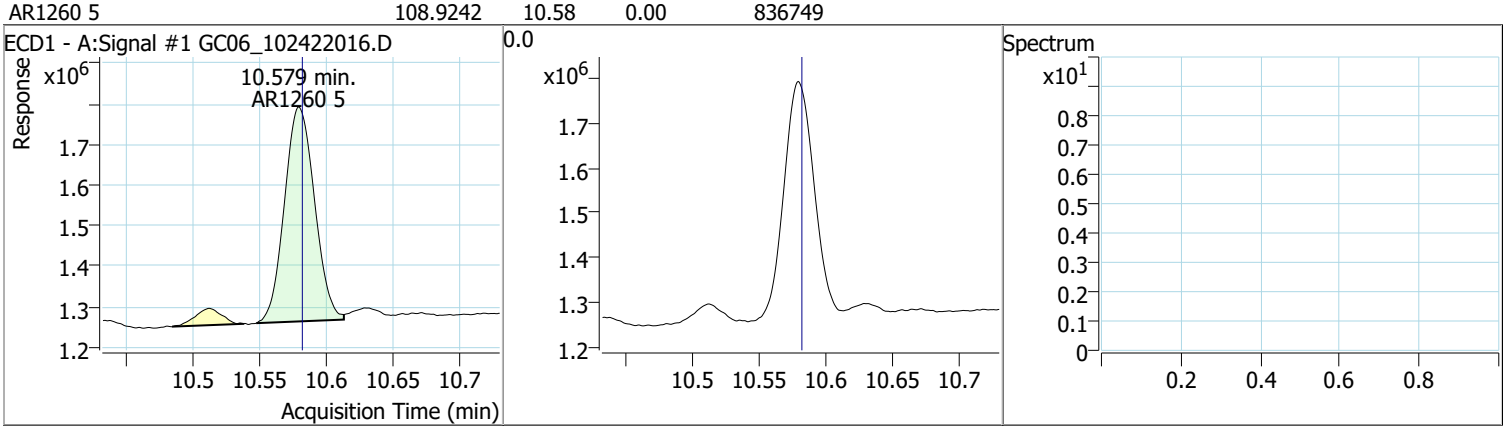
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	104.0416	10.22	0.00	373416				



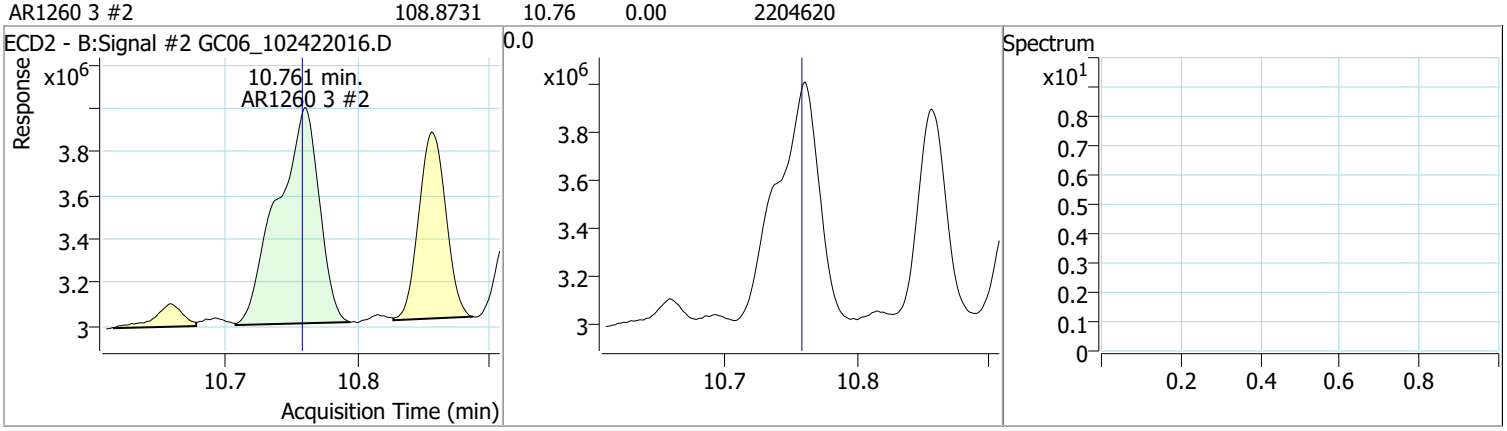
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	110.5237	10.34	0.00	1768114				



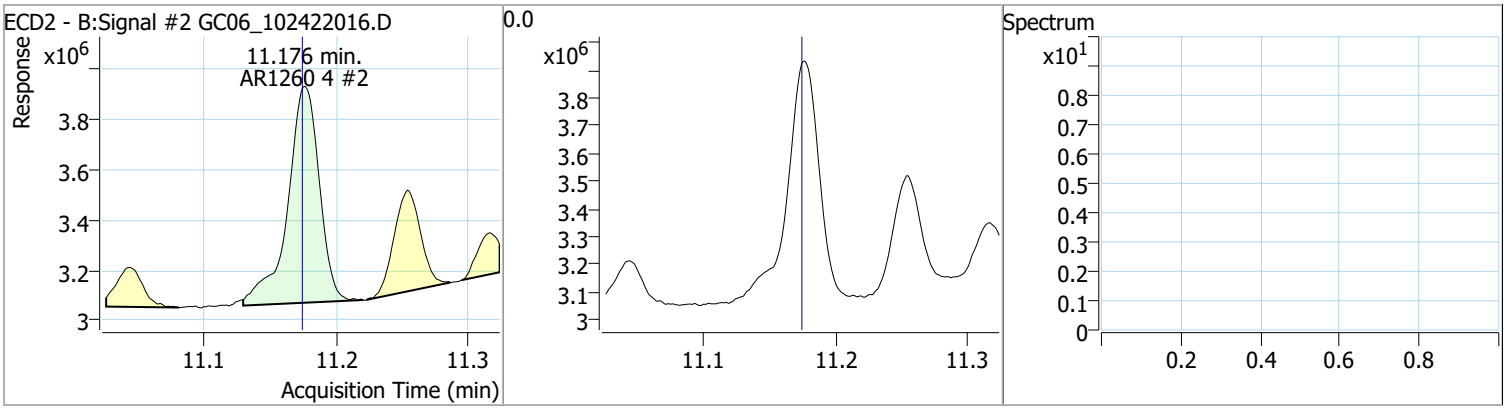
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	108.9242	10.58	0.00	836749				



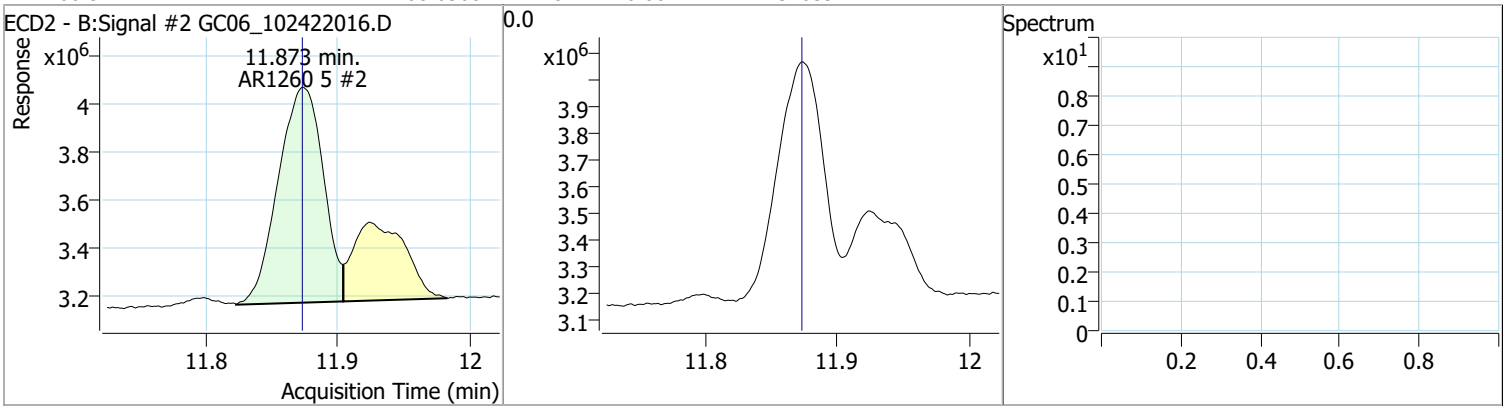
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	108.8731	10.76	0.00	2204620				



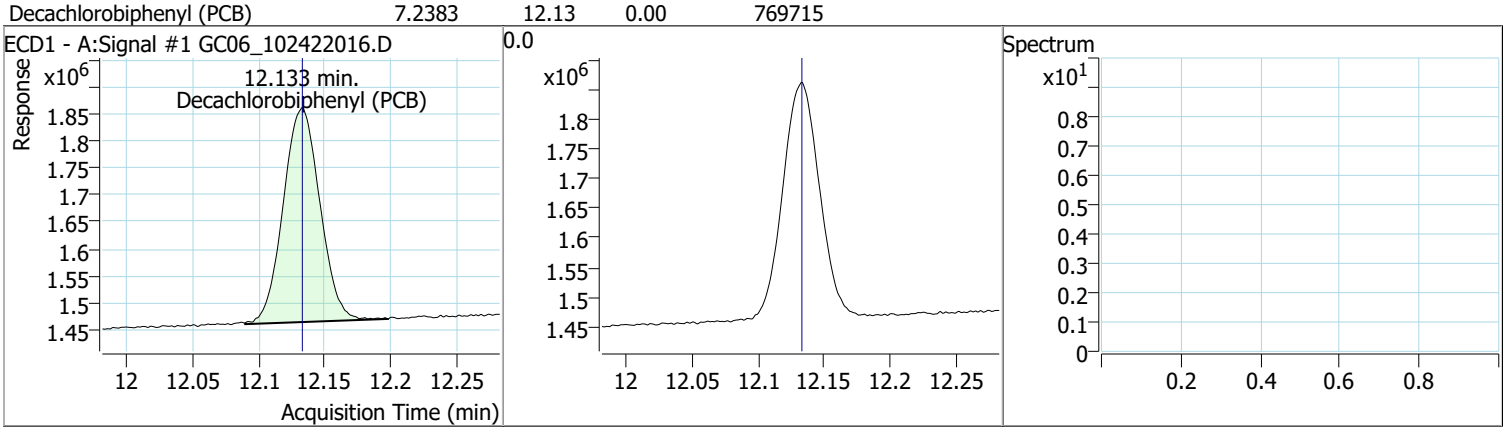
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	106.5619	11.18	0.00	1447196				



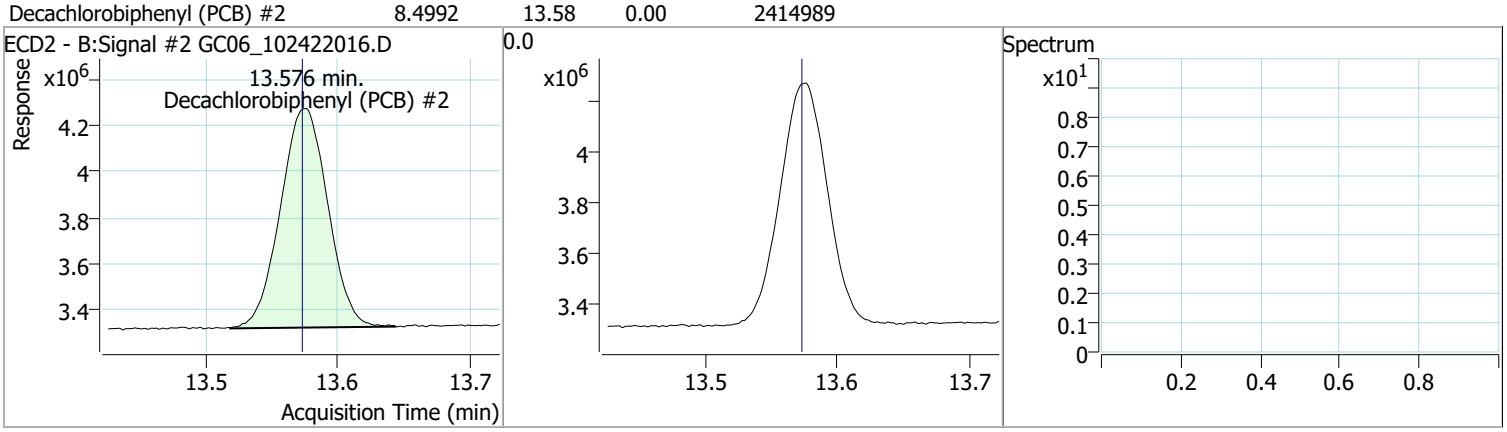
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	108.0368	11.87	0.00	2132039				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	7.2383	12.13	0.00	769715				

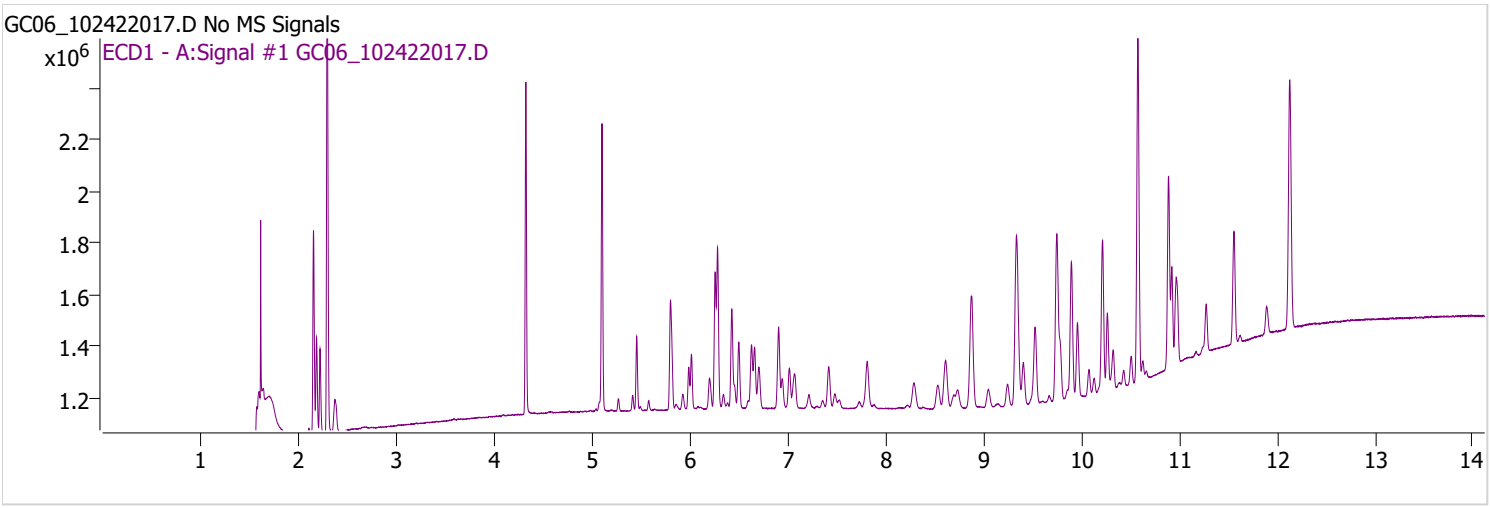


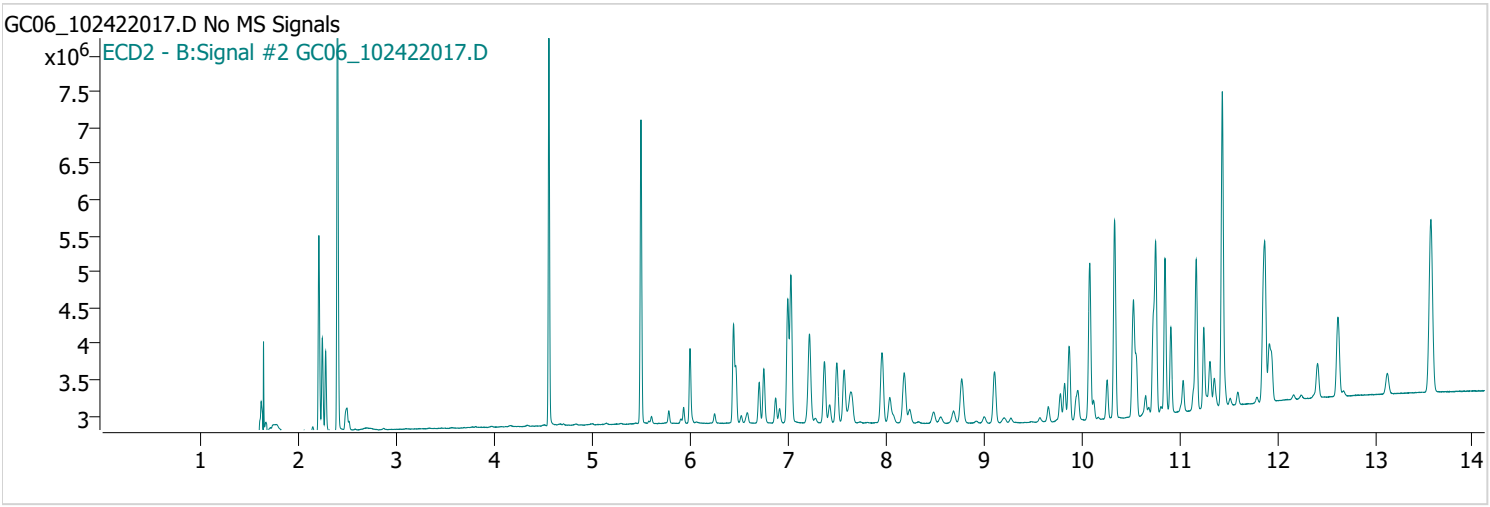
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	8.4992	13.58	0.00	2414989				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422017.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 6:20:02 PM
Sample Name	ICAL, S17266	Instrument	SVOA-GC06
Vial	14	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



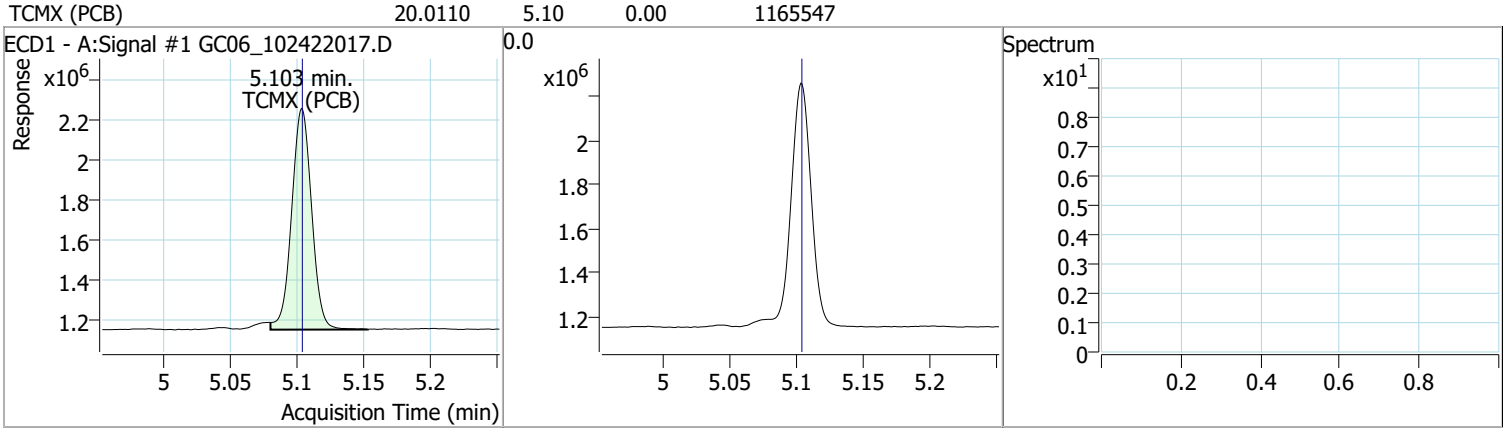


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1211472.444	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.561	0.0	4920571.818	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	1165547.443	20.0110	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 100.05%			
S TCMX (PCB) #2	5.502	0.0	4758798.041	20.1381	ng/ml	m	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 100.69%			
S Decachlorobiphenyl (PCB)	12.131	0.0	1850638.921	20.8820	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 104.41%			
S Decachlorobiphenyl (PCB) #2	13.573	0.0	5988530.393	21.8142	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 109.07%			
Target Compounds							QValue

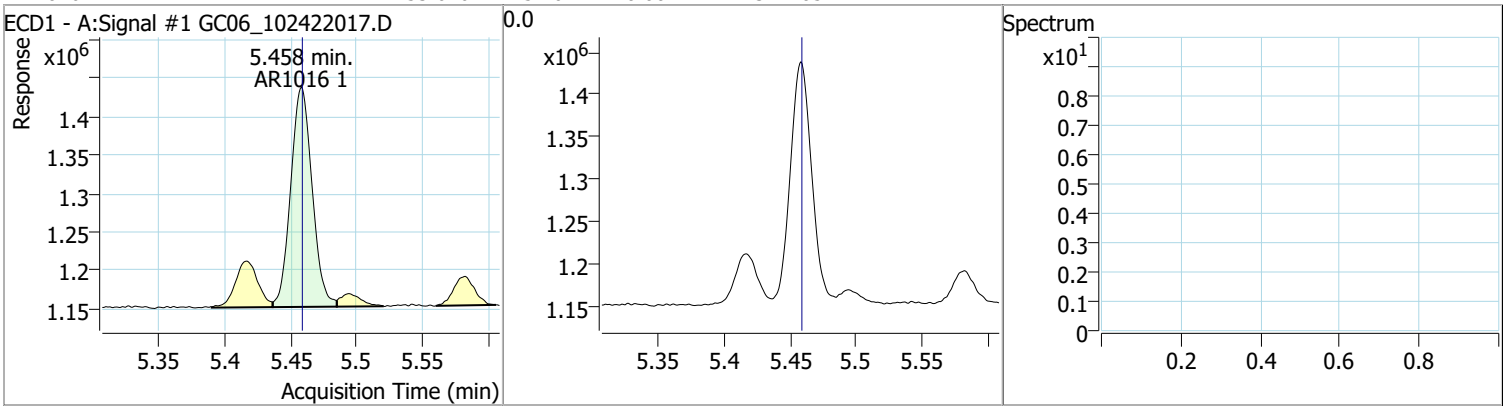
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.458	0.0	322205.369	253.6767	ng/ml		100
T AR1016 2	5.803	0.0	712693.363	266.8112	ng/ml		100
T AR1016 1 #2	6.003	0.0	1331882.363	260.4356	ng/ml		100
T AR1016 3	6.284	0.0	837940.134	260.2036	ng/ml		100
T AR1016 4	6.430	0.0	635327.920	259.3965	ng/ml		100
T AR1016 2 #2	6.448	0.0	1963799.619	266.0119	ng/ml	m	100
T AR1016 5	6.908	0.0	507361.692	257.1827	ng/ml		100
T AR1016 3 #2	7.033	0.0	3371390.470	251.3369	ng/ml	m	100
T AR1016 4 #2	7.223	0.0	2521917.084	263.3511	ng/ml		100
T AR1016 5 #2	7.963	0.0	2051369.275	263.5364	ng/ml		100
T AR1260 1	8.879	0.0	1022403.707	249.6095	ng/ml		100
T AR1260 2	9.338	0.0	1586842.083	254.1774	ng/ml		100
T AR1260 3	9.751	0.0	1640631.734	251.4243	ng/ml		100
T AR1260 1 #2	10.088	0.0	3737278.960	255.2165	ng/ml		100
T AR1260 4	10.218	0.0	994487.770	273.1079	ng/ml		100
T AR1260 2 #2	10.341	0.0	4465148.473	253.7799	ng/ml		100
T AR1260 5	10.578	0.0	2108588.370	272.1624	ng/ml		100
T AR1260 3 #2	10.760	0.0	5581397.012	250.6144	ng/ml		100
T AR1260 4 #2	11.175	0.0	3582855.500	269.4632	ng/ml	m	100
T AR1260 5 #2	11.874	0.0	5338056.869	269.7608	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

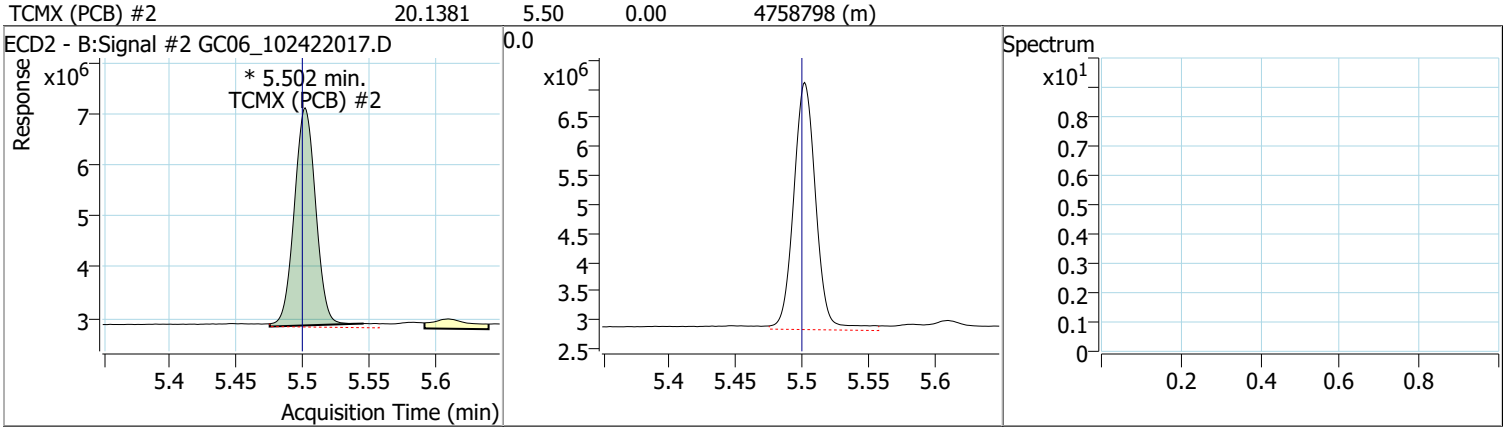
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	20.0110	5.10	0.00	1165547				



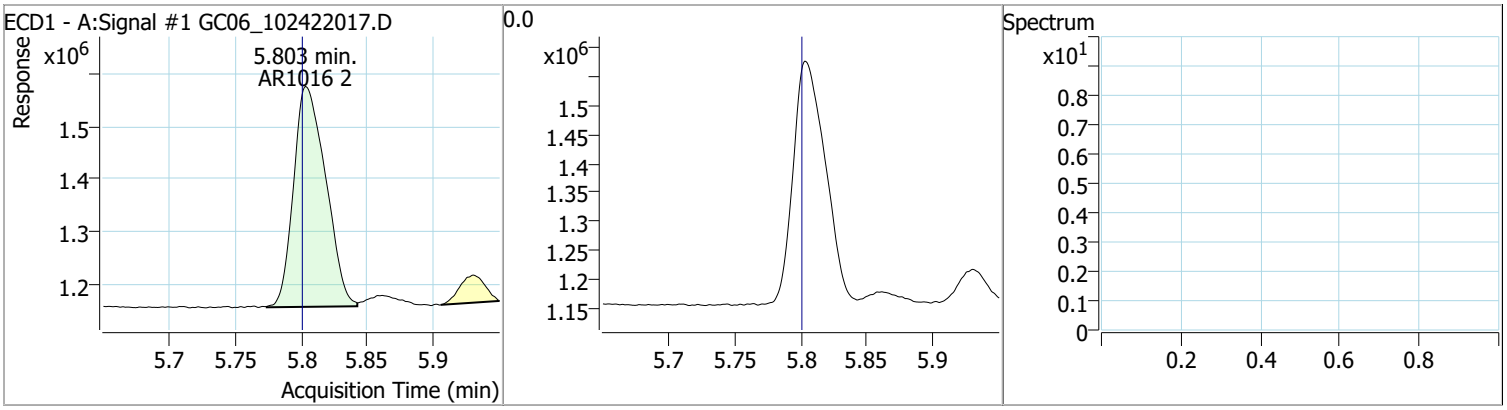
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	253.6767	5.46	0.00	322205				



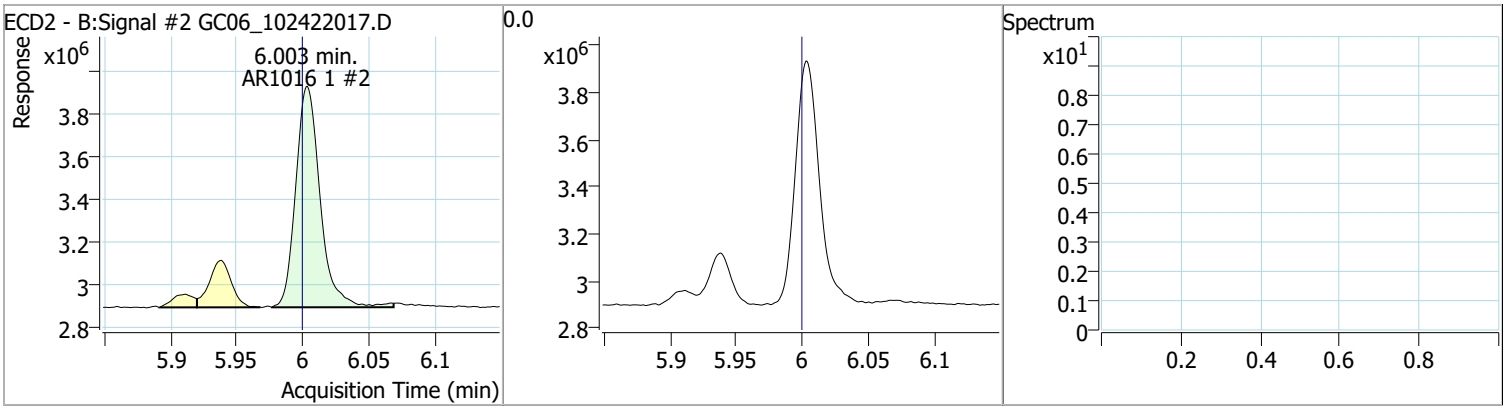
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	20.1381	5.50	0.00	4758798 (m)				



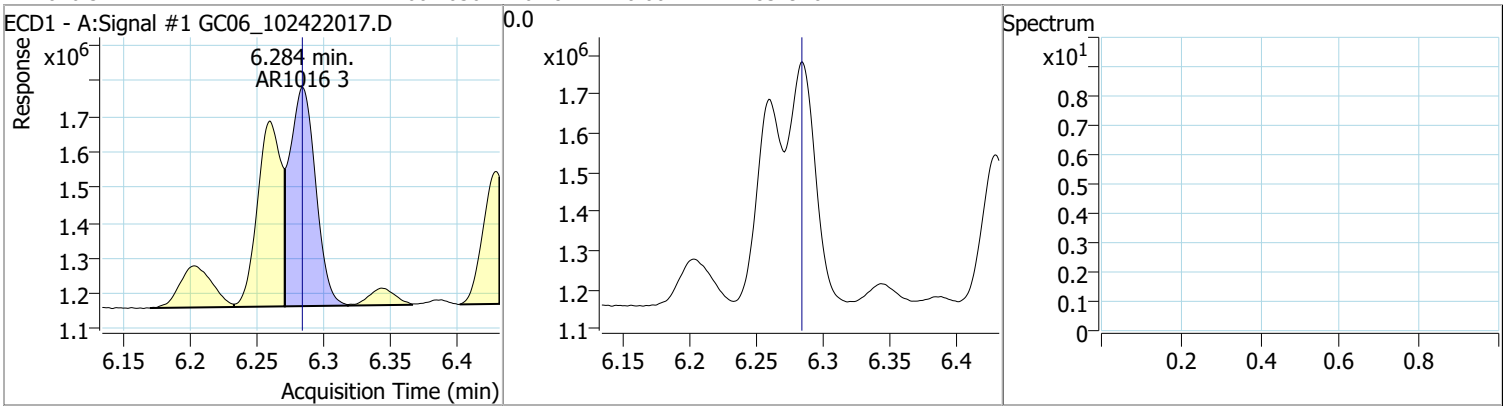
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	266.8112	5.80	0.00	712693				



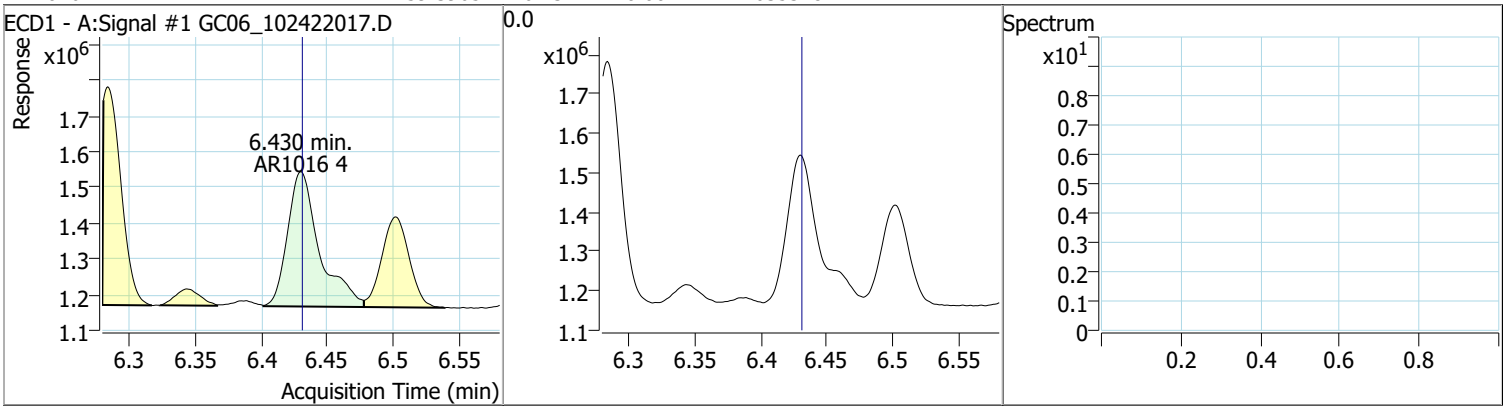
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	260.4356	6.00	0.00	1331882				



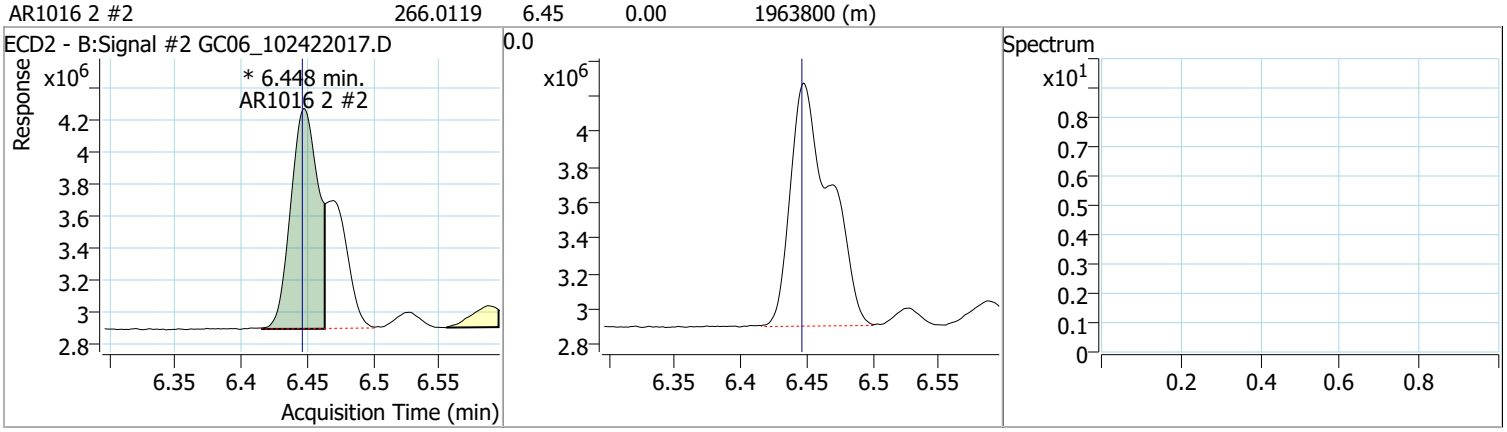
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	260.2036	6.28	0.00	837940				



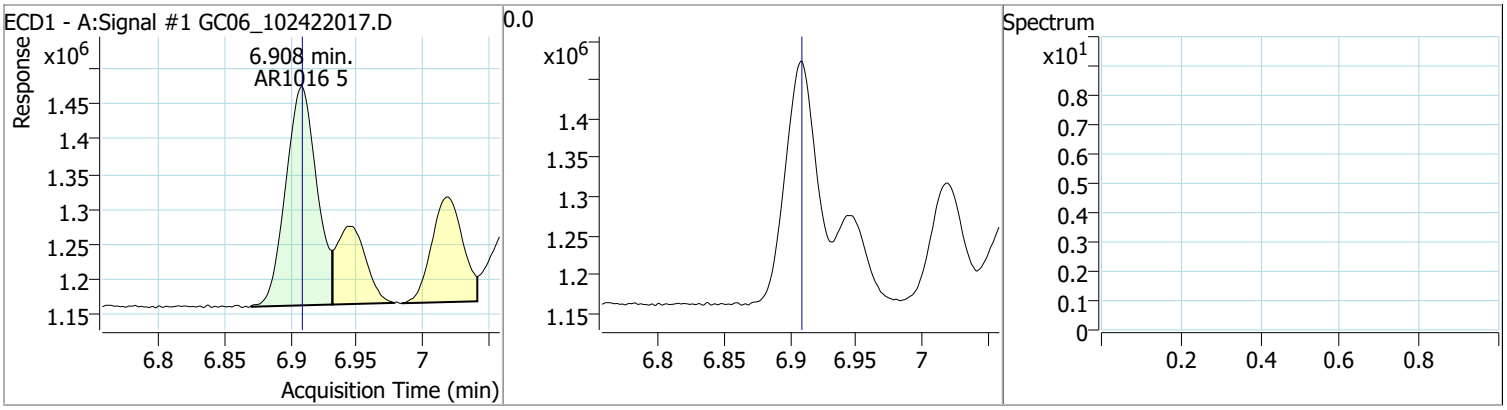
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	259.3965	6.43	0.00	635328				



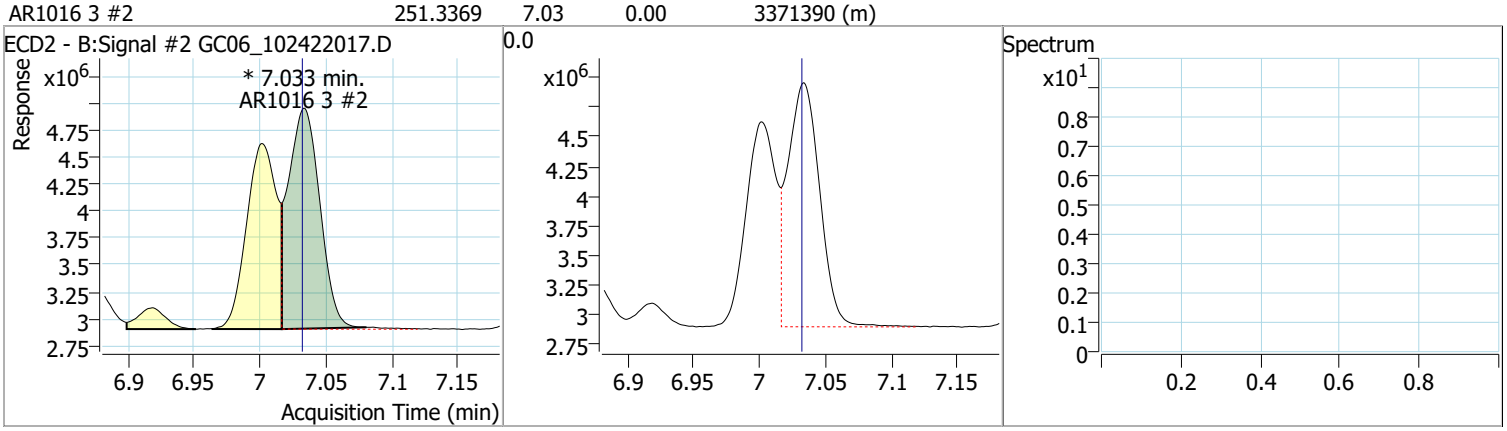
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	266.0119	6.45	0.00	1963800 (m)				



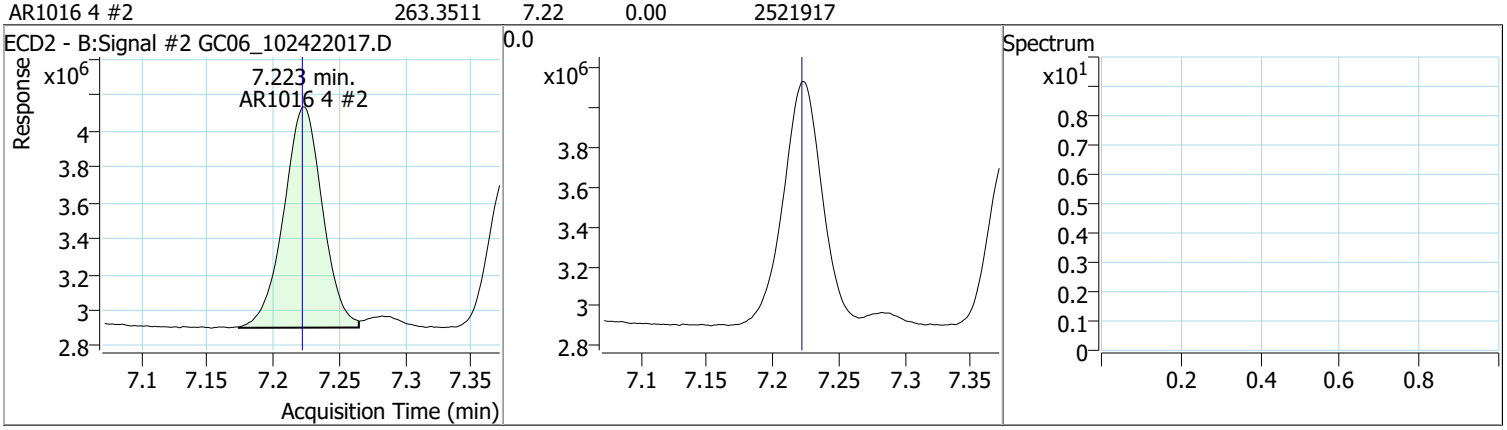
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	257.1827	6.91	0.00	507362				



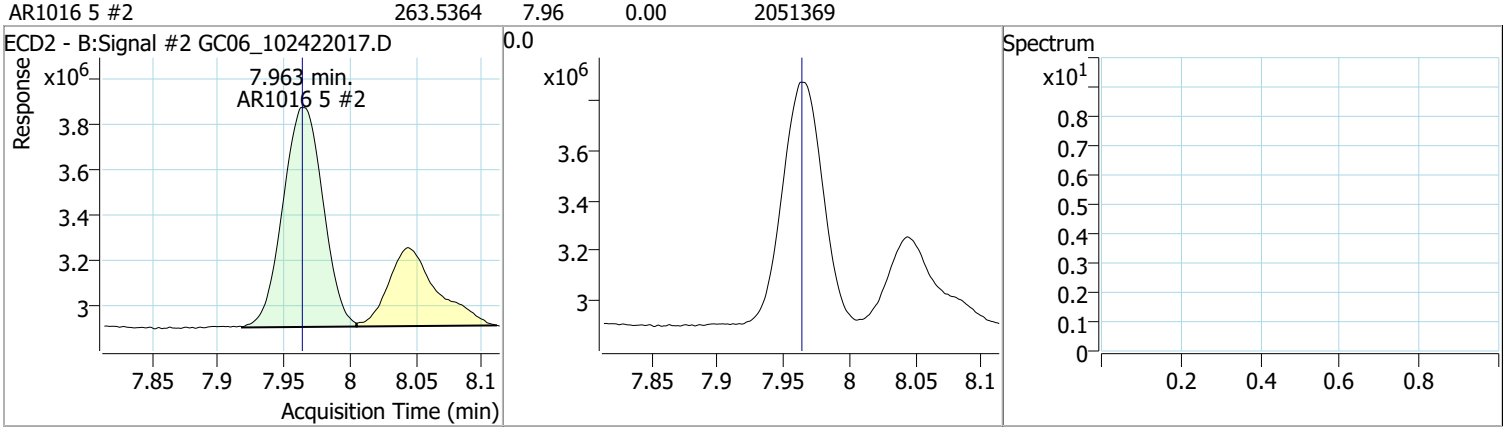
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	251.3369	7.03	0.00	3371390 (m)				



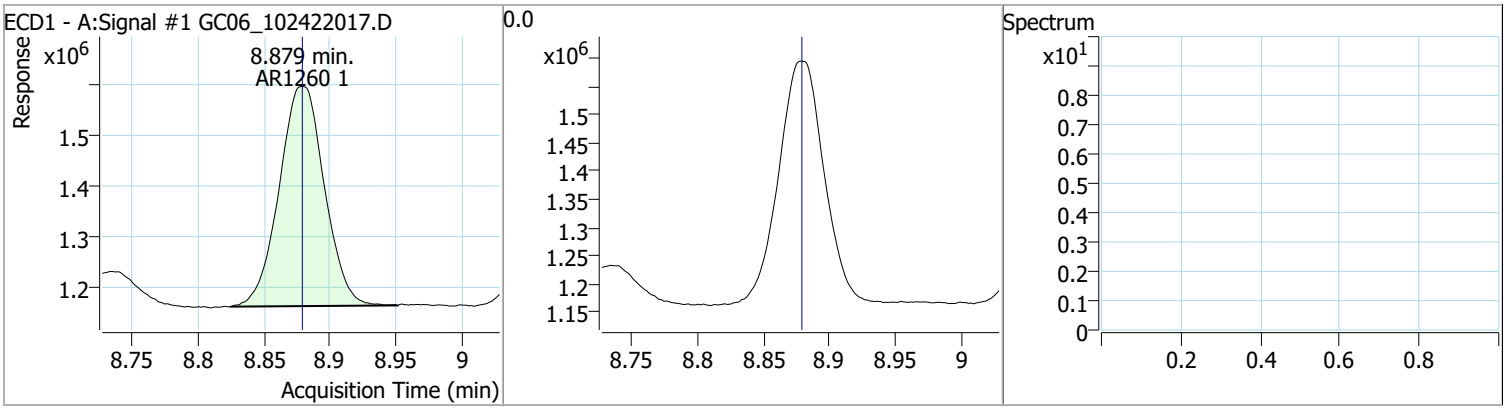
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	263.3511	7.22	0.00	2521917				



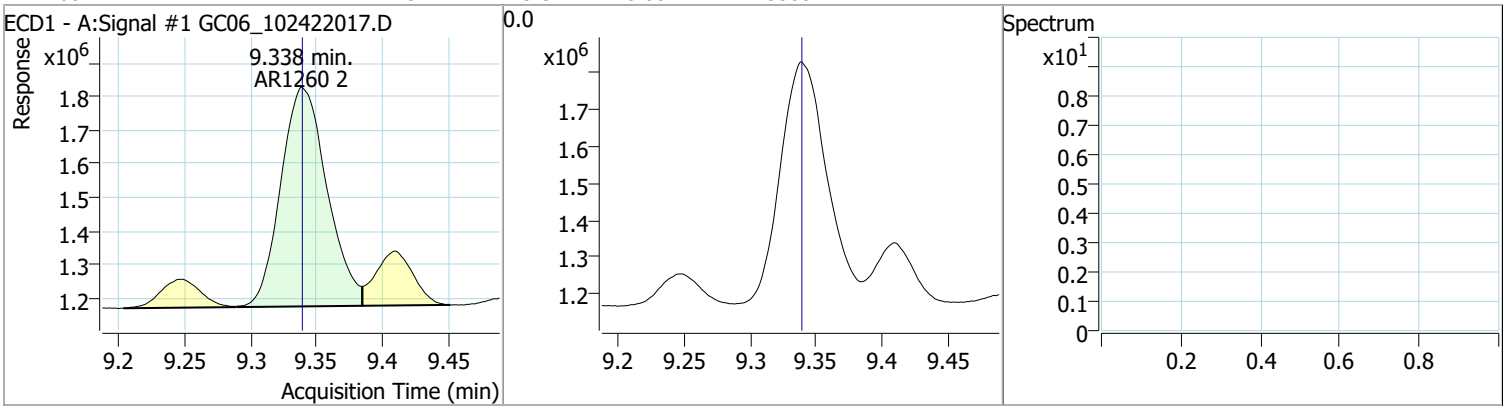
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	263.5364	7.96	0.00	2051369				



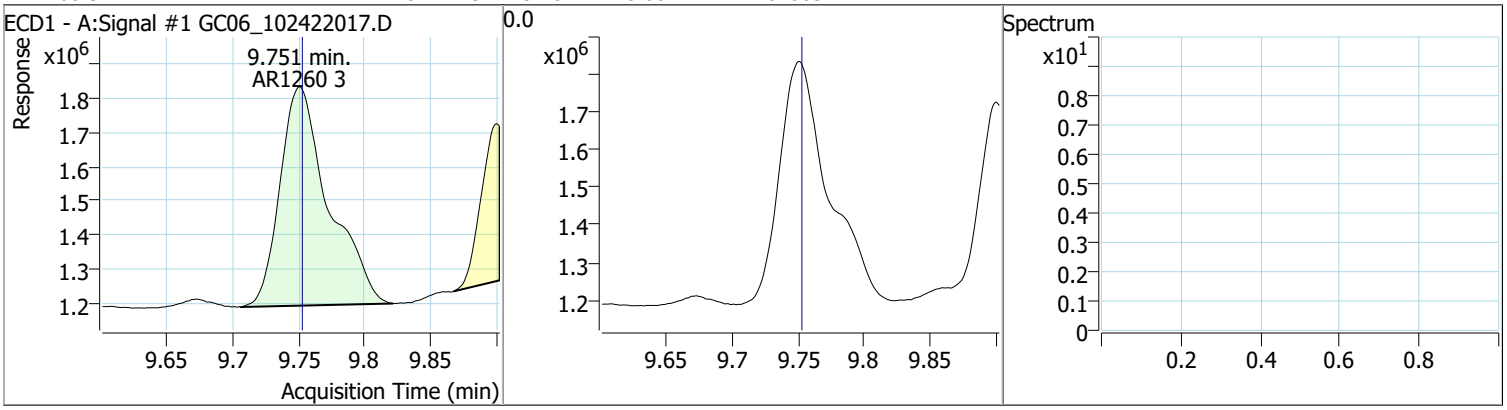
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	249.6095	8.88	0.00	1022404				



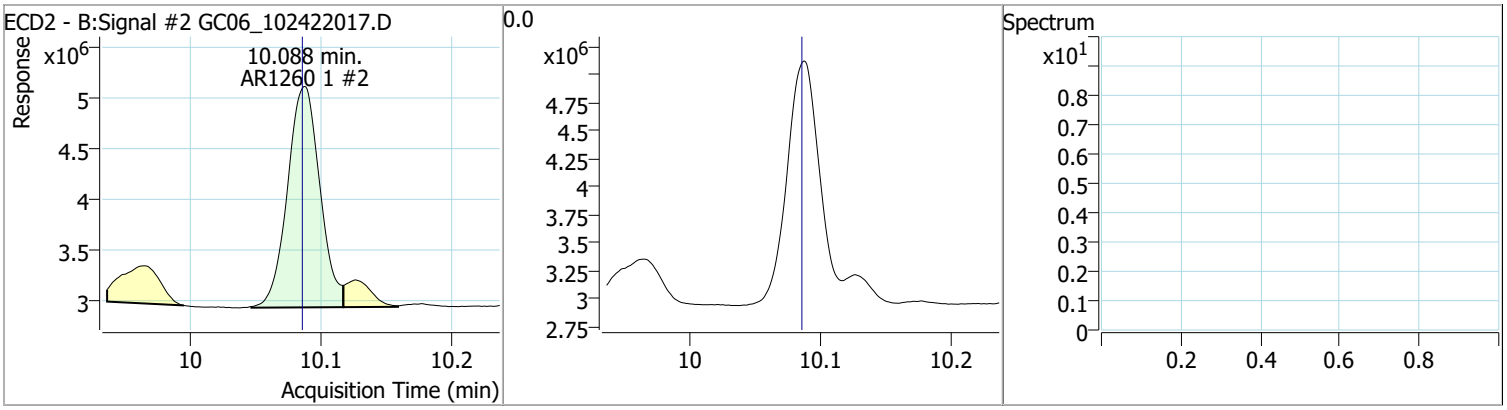
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	254.1774	9.34	0.00	1586842				



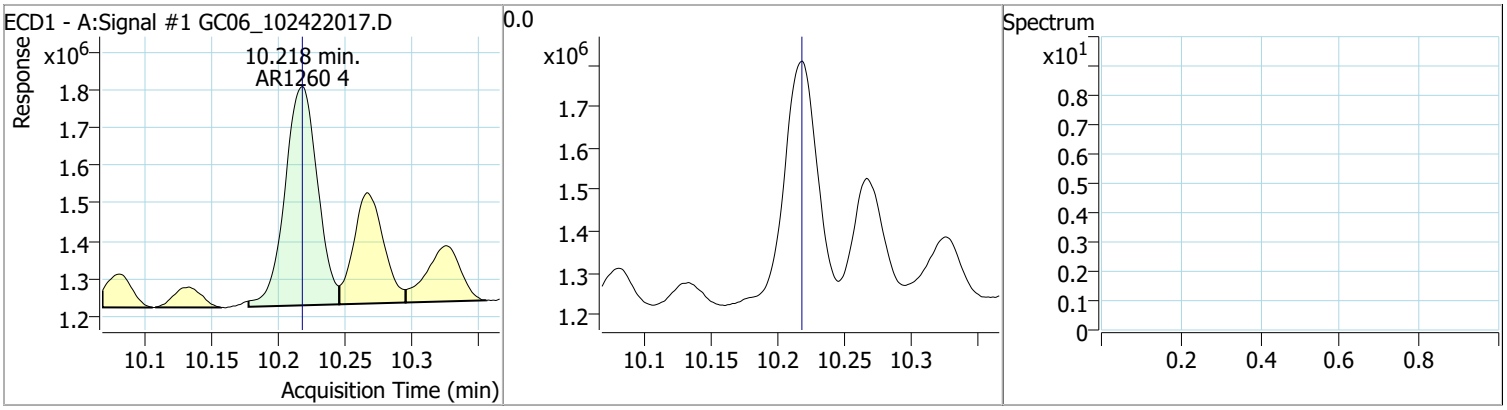
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	251.4243	9.75	0.00	1640632				



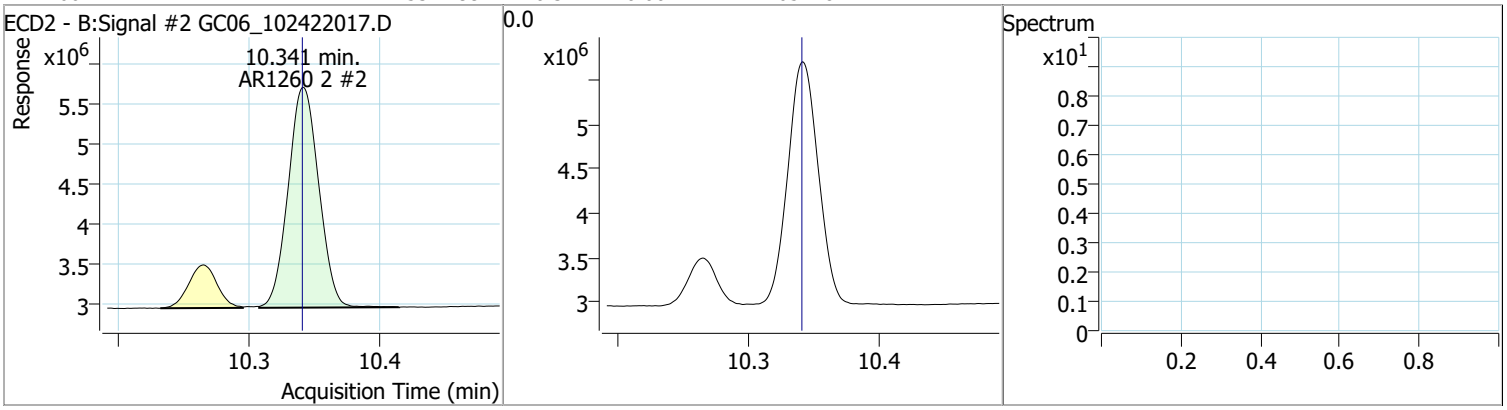
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	255.2165	10.09	0.00	3737279				



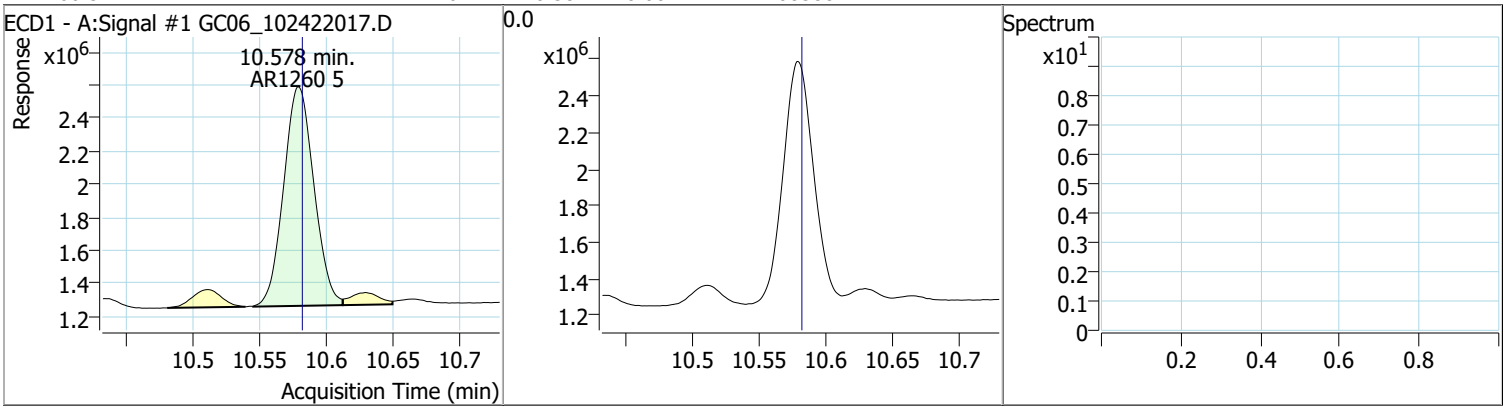
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	273.1079	10.22	0.00	994488				



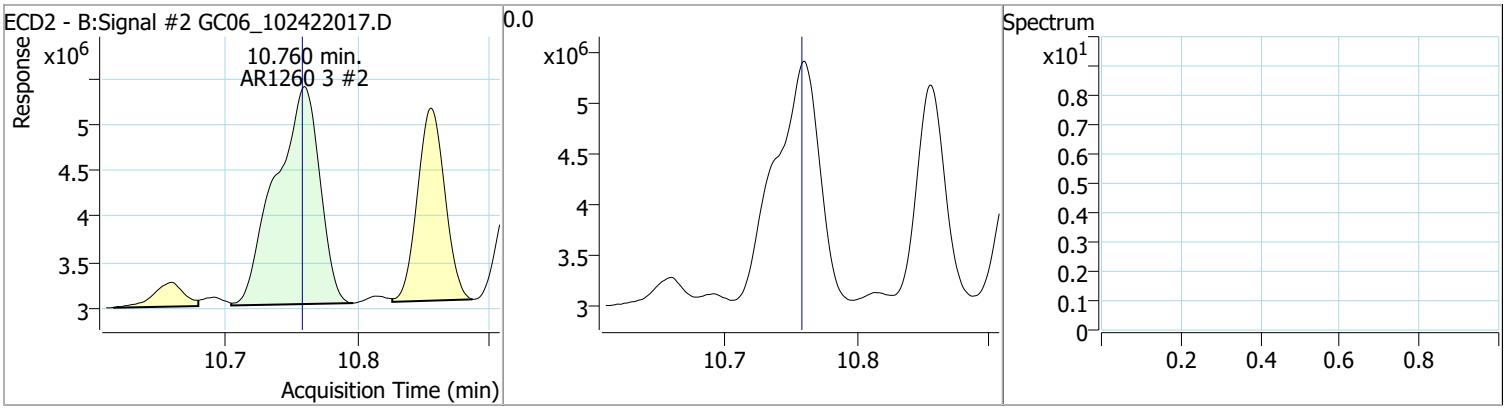
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	253.7799	10.34	0.00	4465148				



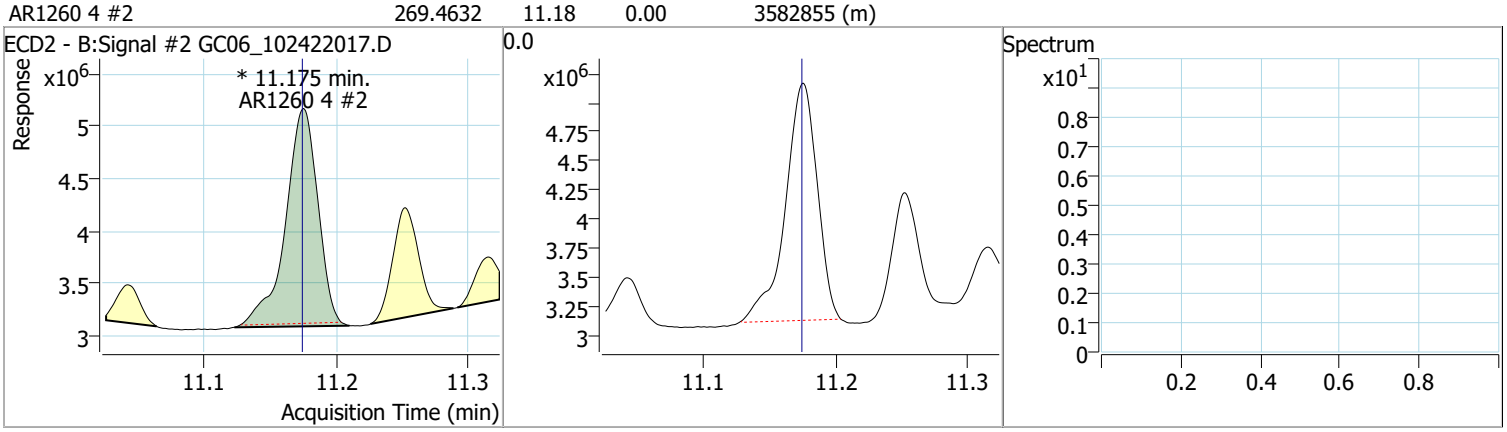
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	272.1624	10.58	0.00	2108588				



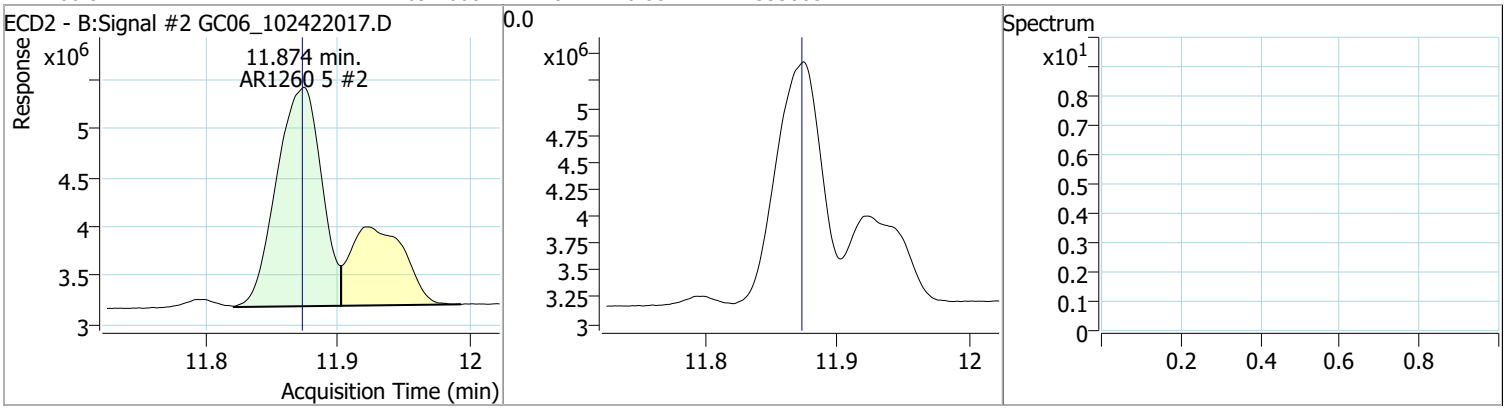
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	250.6144	10.76	0.00	5581397				



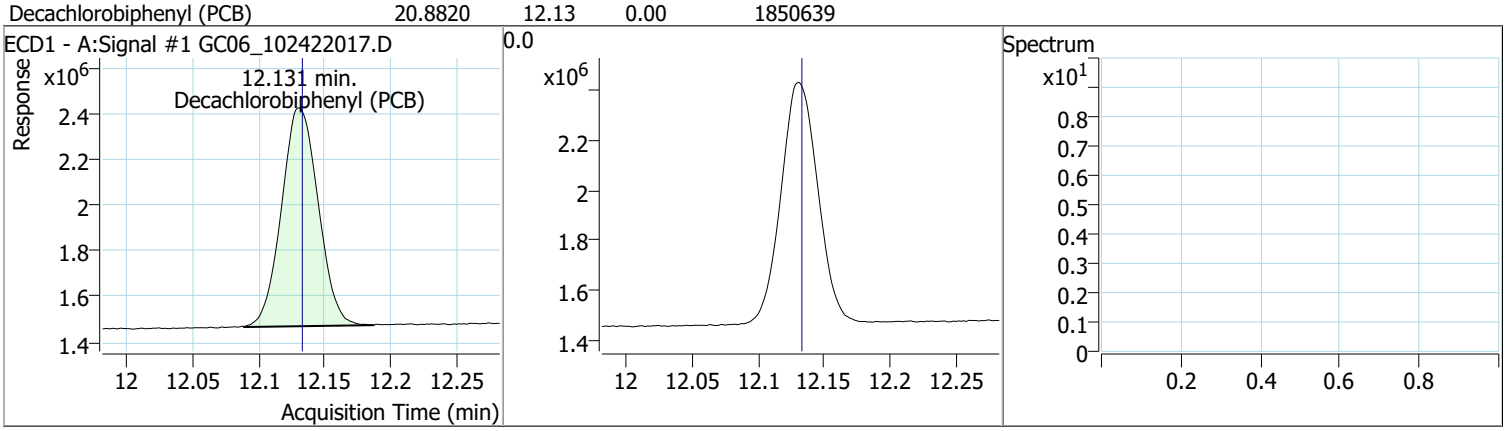
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	269.4632	11.18	0.00	3582855 (m)				



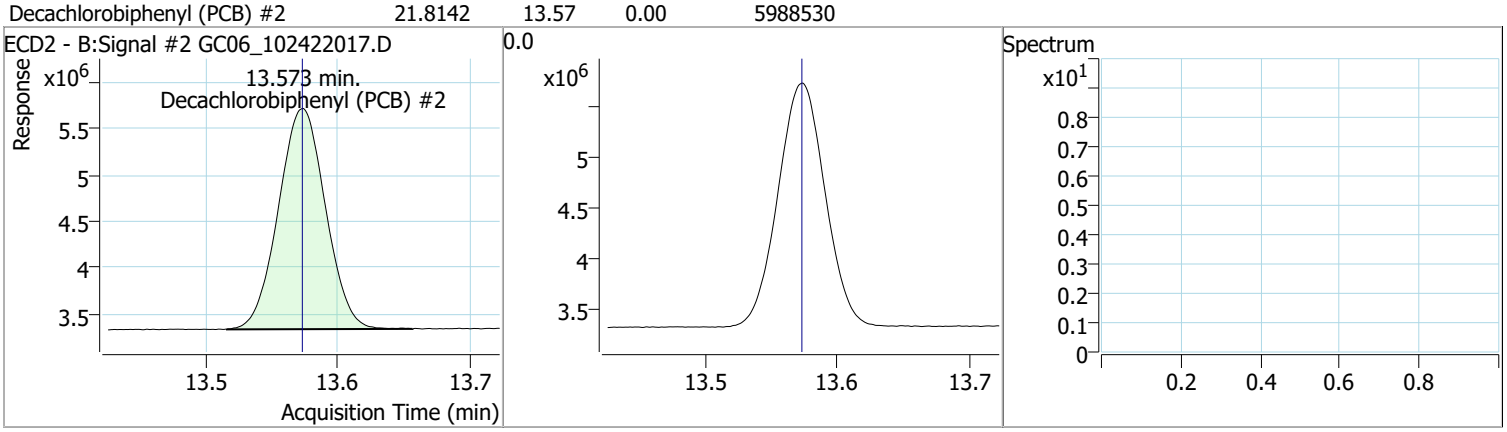
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	269.7608	11.87	0.00	5338057				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	20.8820	12.13	0.00	1850639				

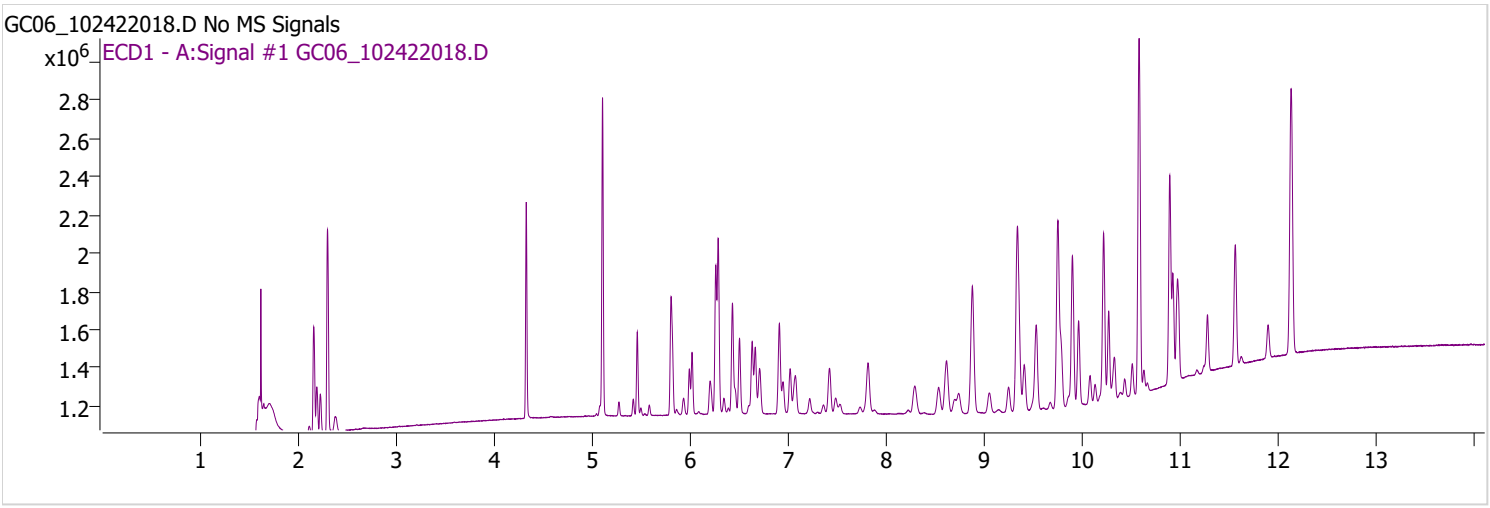


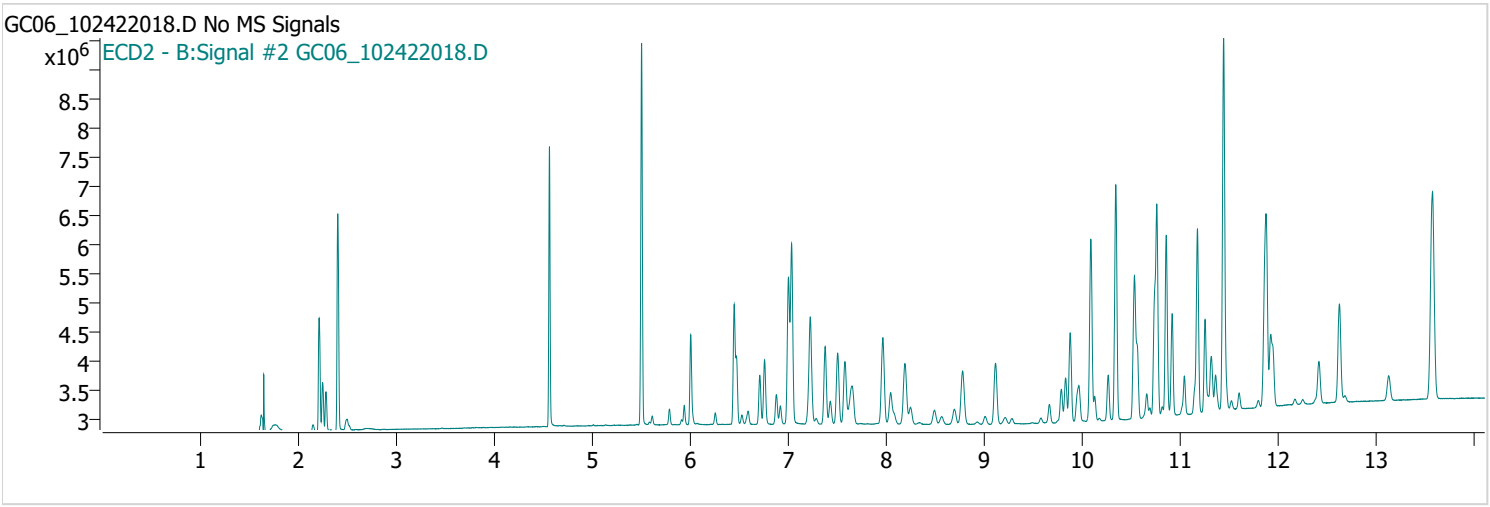
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	21.8142	13.57	0.00	5988530				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422018.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 6:38:01 PM
Sample Name	ICAL, S17267	Instrument	SVOA-GC06
Vial	15	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



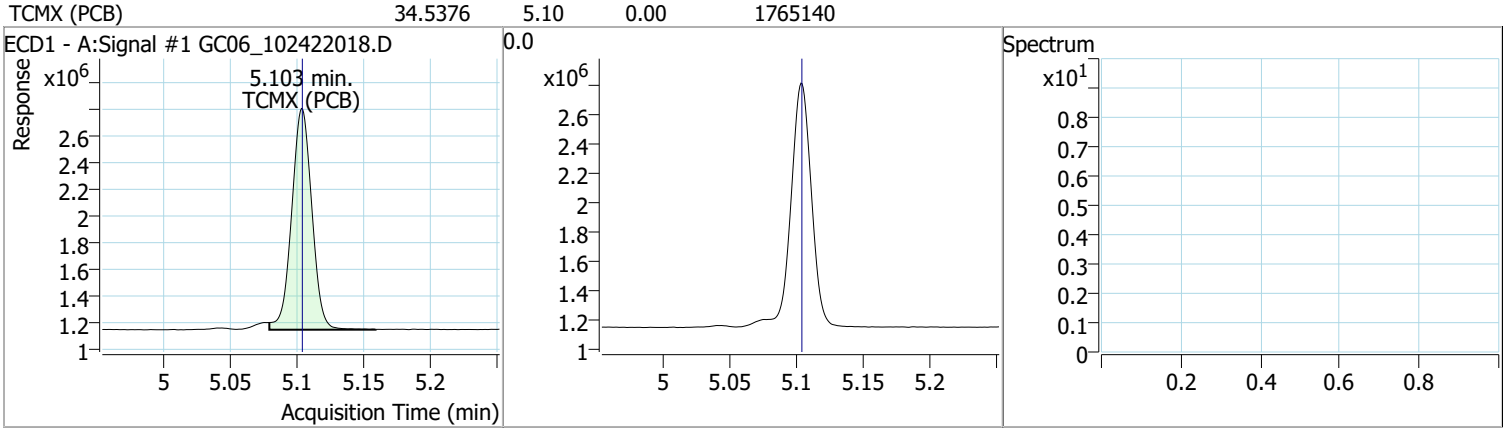


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1063014.245	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	4327999.304	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	1765140.014	34.5376	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 172.69%		*	
S TCMX (PCB) #2	5.503	0.0	7185282.107	34.5695	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 172.85%		*	
S Decachlorobiphenyl (PCB)	12.132	0.0	2792824.739	39.0257	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 195.13%		*	
S Decachlorobiphenyl (PCB) #2	13.575	0.0	9183894.715	39.6055	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.03%		*	
Target Compounds							QValue

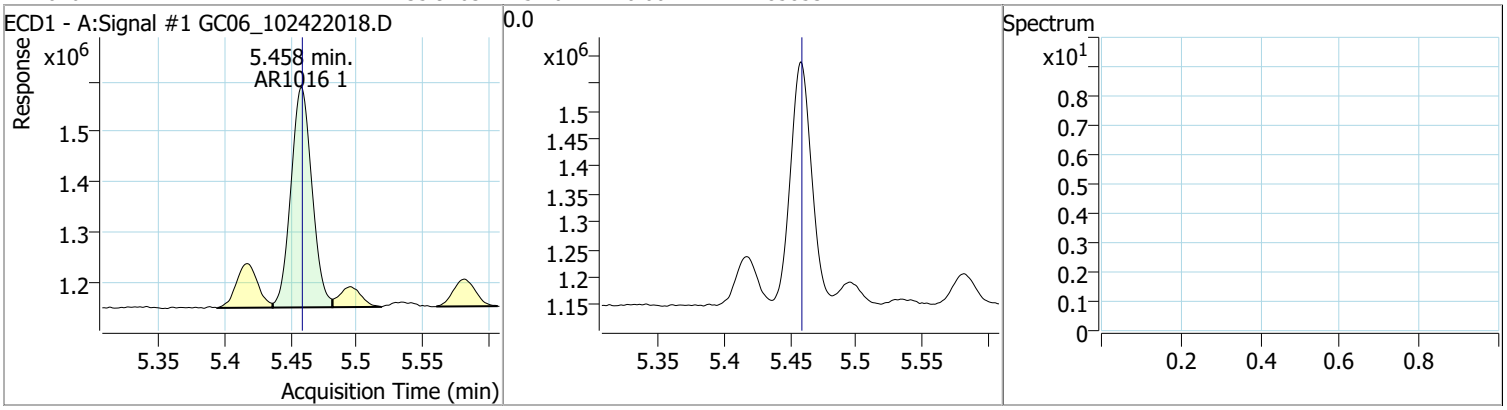
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.458	0.0	485852.867	435.9403	ng/ml		100
T AR1016 2	5.803	0.0	1068389.956	466.7356	ng/ml		100
T AR1016 1 #2	6.003	0.0	2046877.373	455.0453	ng/ml		100
T AR1016 3	6.283	0.0	1246552.904	441.1492	ng/ml		100
T AR1016 4	6.430	0.0	958287.349	445.8988	ng/ml		100
T AR1016 2 #2	6.448	0.0	2839339.245	437.2699	ng/ml	m	100
T AR1016 5	6.908	0.0	776873.262	448.7957	ng/ml		100
T AR1016 3 #2	7.033	0.0	5153170.052	436.7672	ng/ml		100
T AR1016 4 #2	7.223	0.0	3762341.264	446.6742	ng/ml		100
T AR1016 5 #2	7.965	0.0	3081651.312	450.0997	ng/ml		100
T AR1260 1	8.878	0.0	1535144.810	427.1323	ng/ml		100
T AR1260 2	9.338	0.0	2395142.001	437.2290	ng/ml		100
T AR1260 3	9.752	0.0	2465753.437	430.6459	ng/ml		100
T AR1260 1 #2	10.088	0.0	5518695.670	428.4678	ng/ml		100
T AR1260 4	10.218	0.0	1491017.295	477.5929	ng/ml		100
T AR1260 2 #2	10.342	0.0	6578337.875	425.0754	ng/ml		100
T AR1260 5	10.581	0.0	3129643.582	472.8847	ng/ml		100
T AR1260 3 #2	10.760	0.0	8315695.484	424.5121	ng/ml		100
T AR1260 4 #2	11.176	0.0	5439717.782	482.3064	ng/ml		100
T AR1260 5 #2	11.875	0.0	8037599.403	475.0785	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

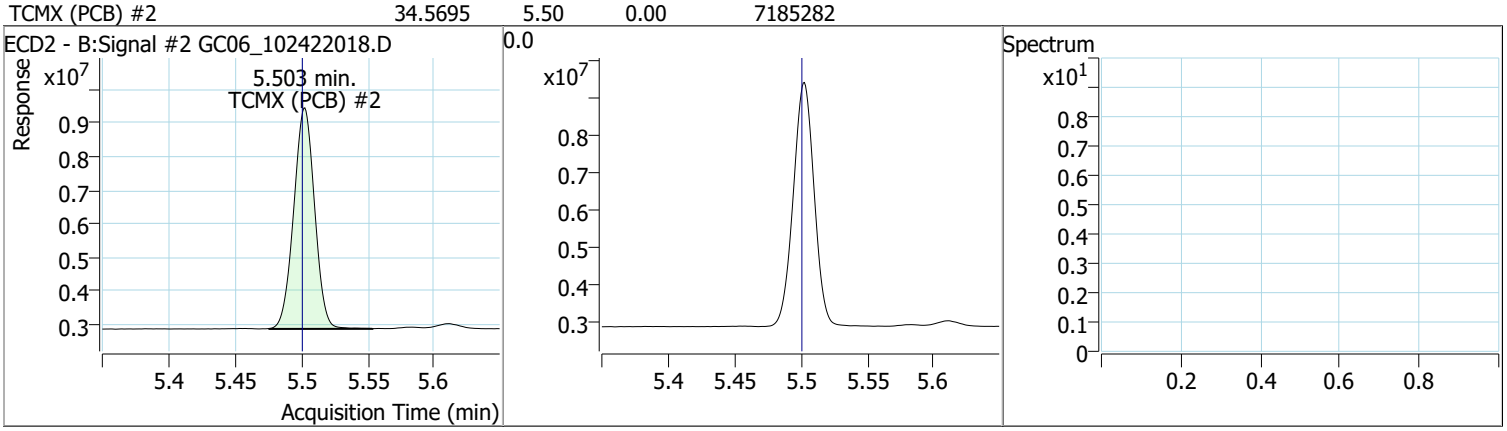
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	34.5376	5.10	0.00	1765140				



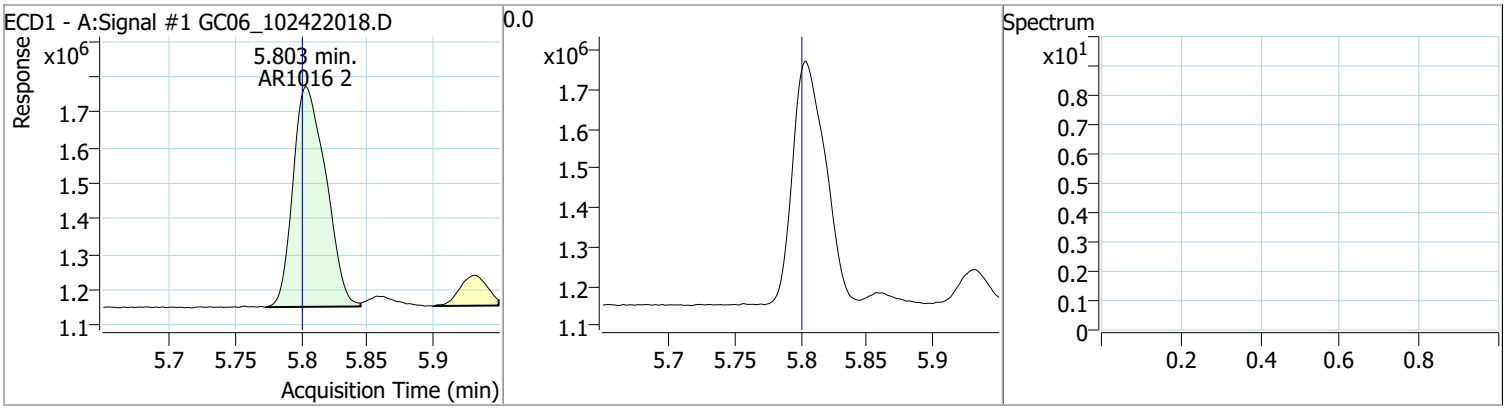
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	435.9403	5.46	0.00	485853				



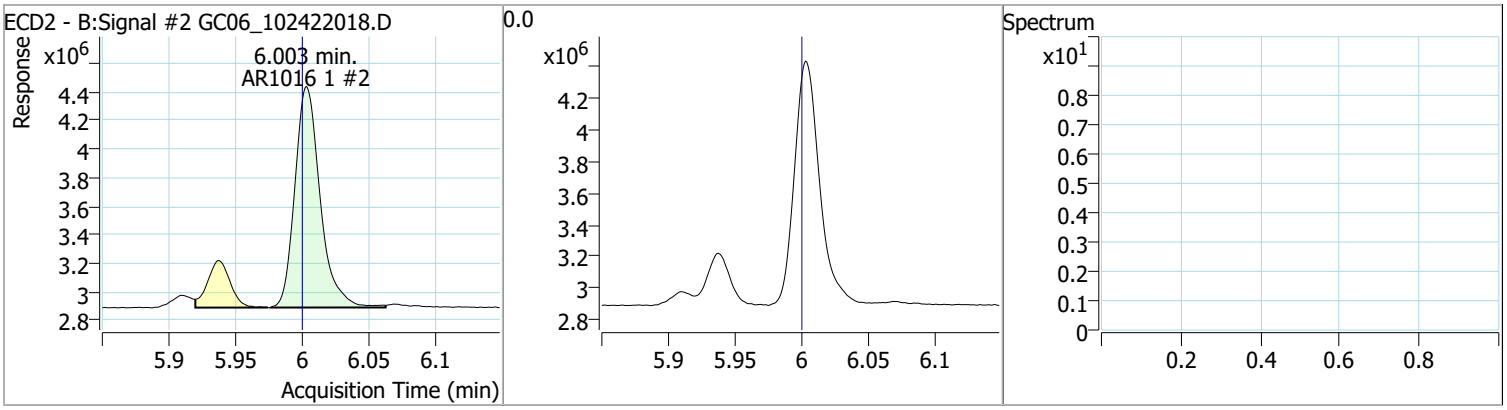
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	34.5695	5.50	0.00	7185282				



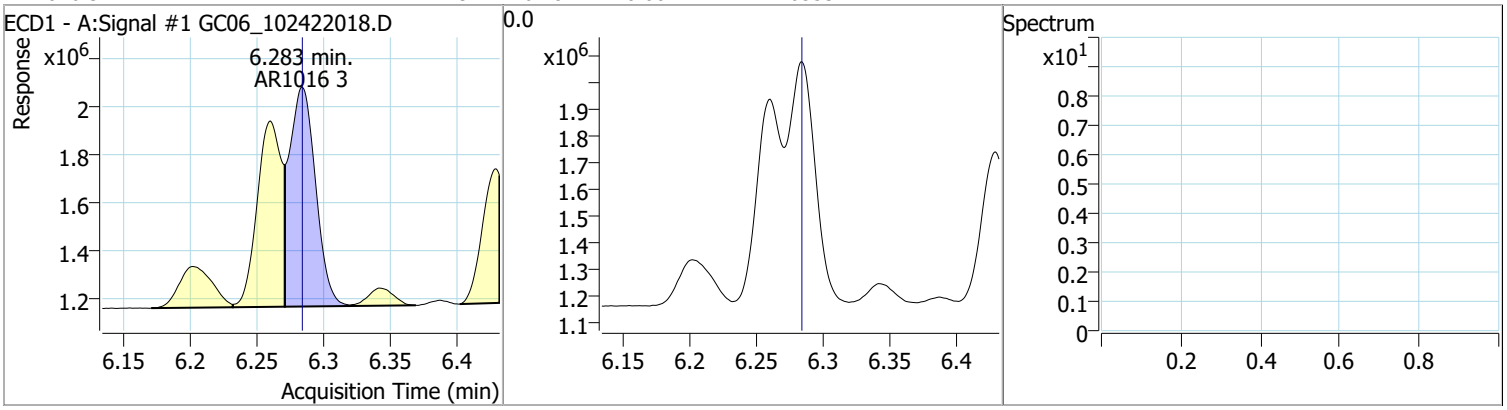
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	466.7356	5.80	0.00	1068390				



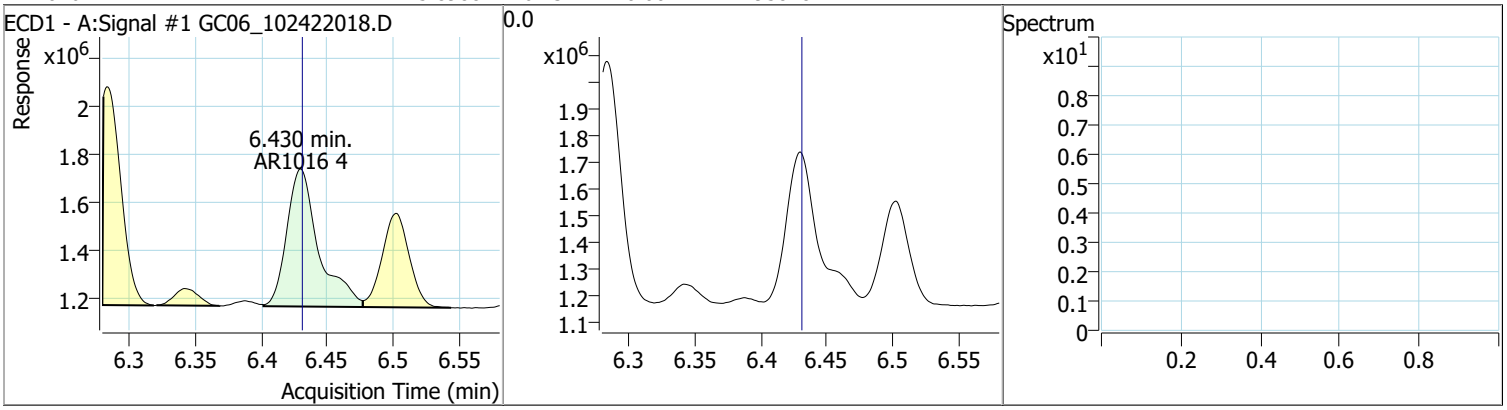
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	455.0453	6.00	0.00	2046877				



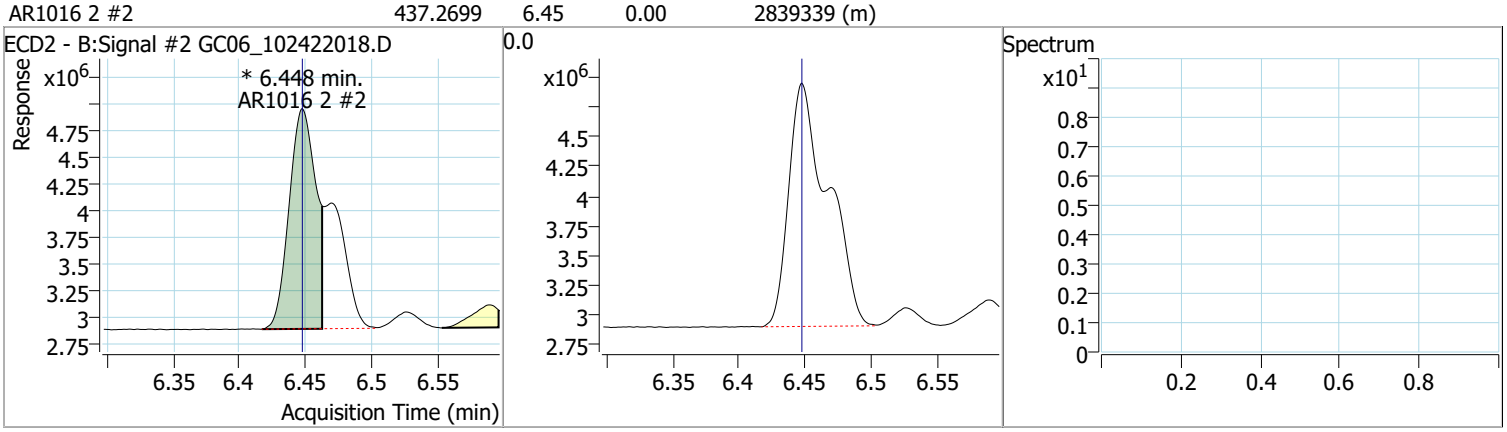
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	441.1492	6.28	0.00	1246553				



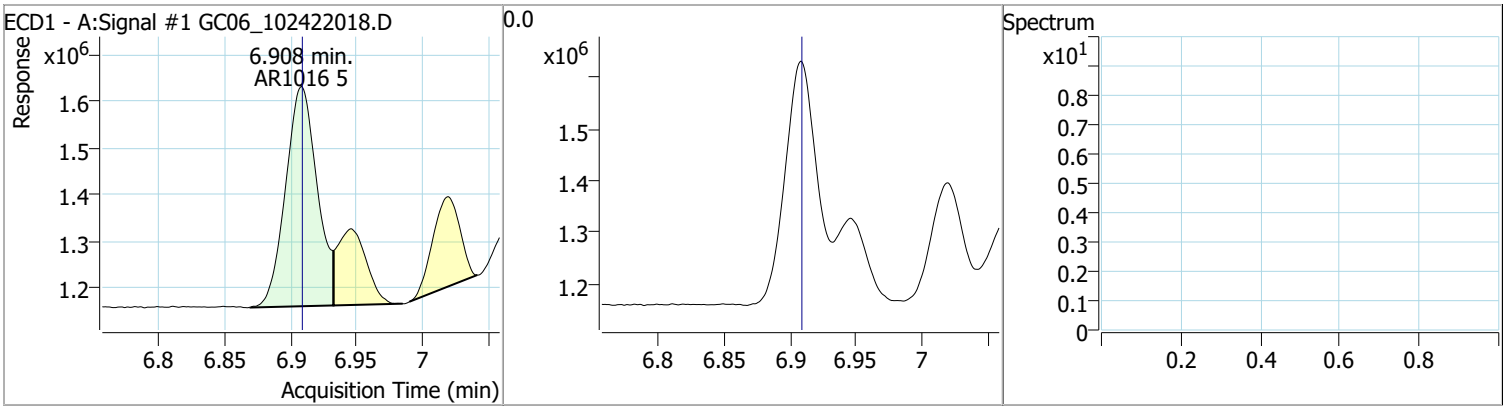
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	445.8988	6.43	0.00	958287				



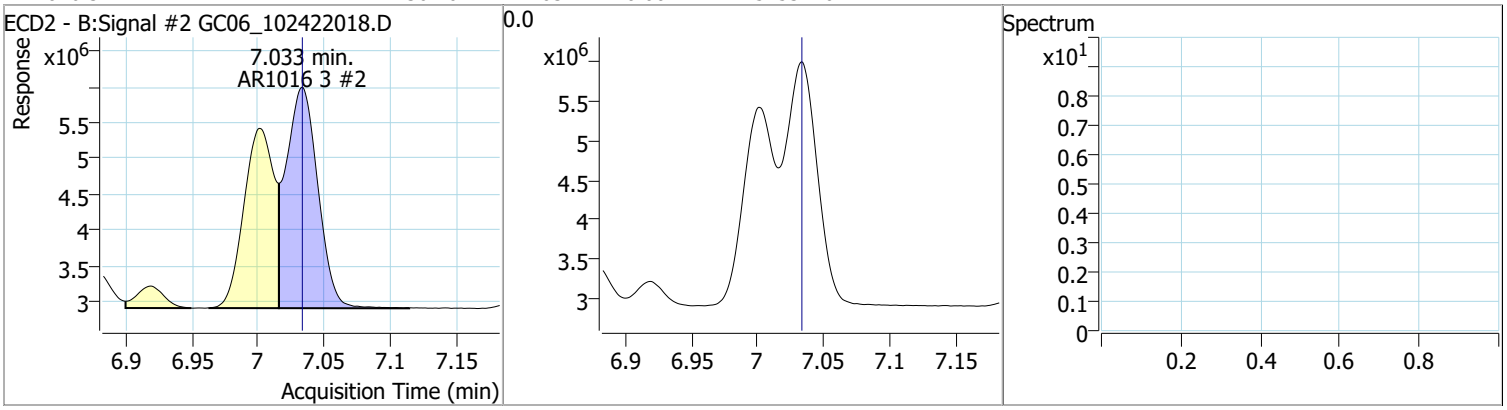
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	437.2699	6.45	0.00	2839339 (m)				



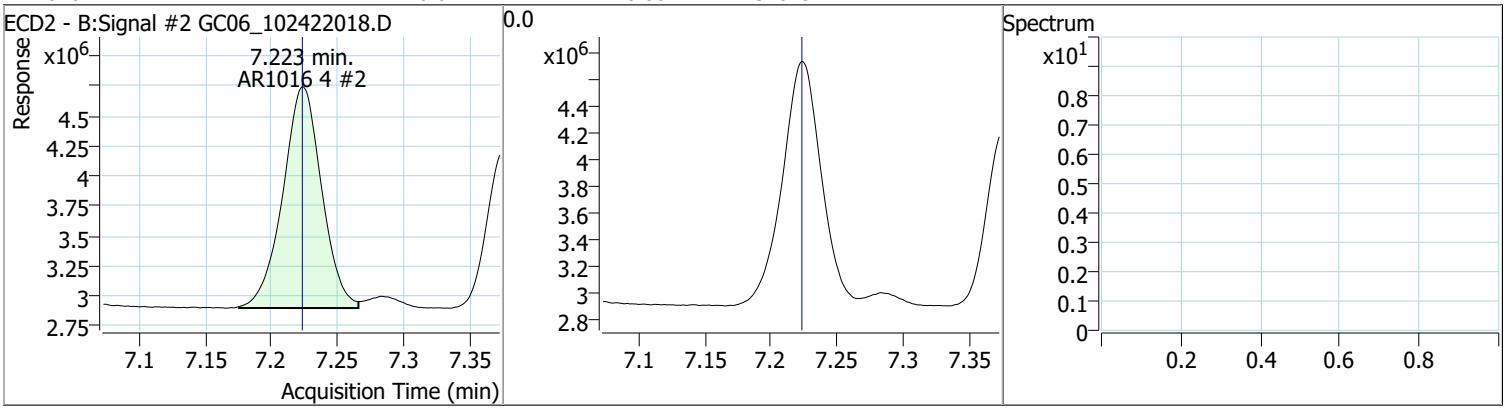
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	448.7957	6.91	0.00	776873				



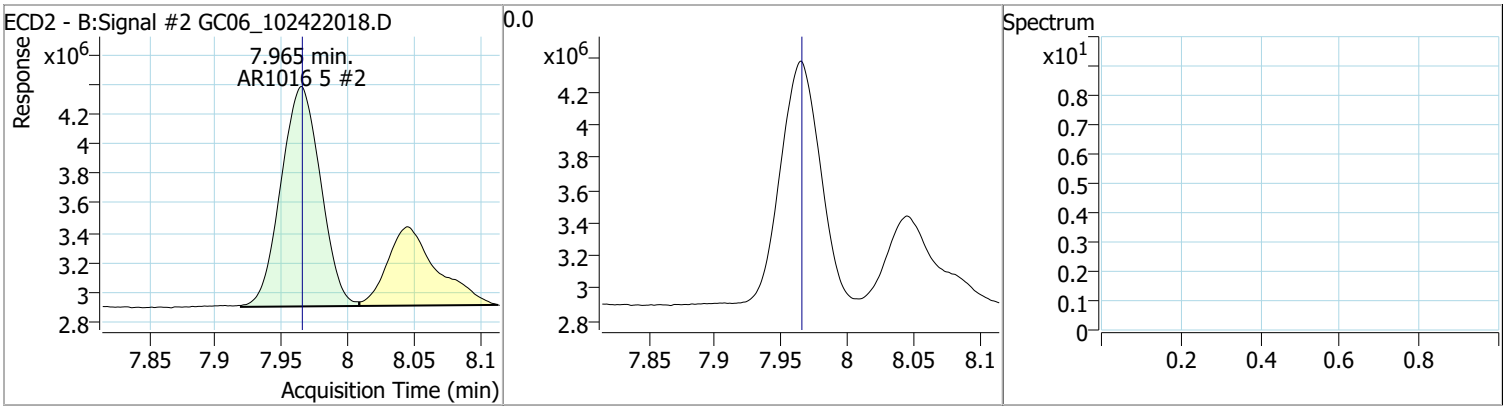
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	436.7672	7.03	0.00	5153170				



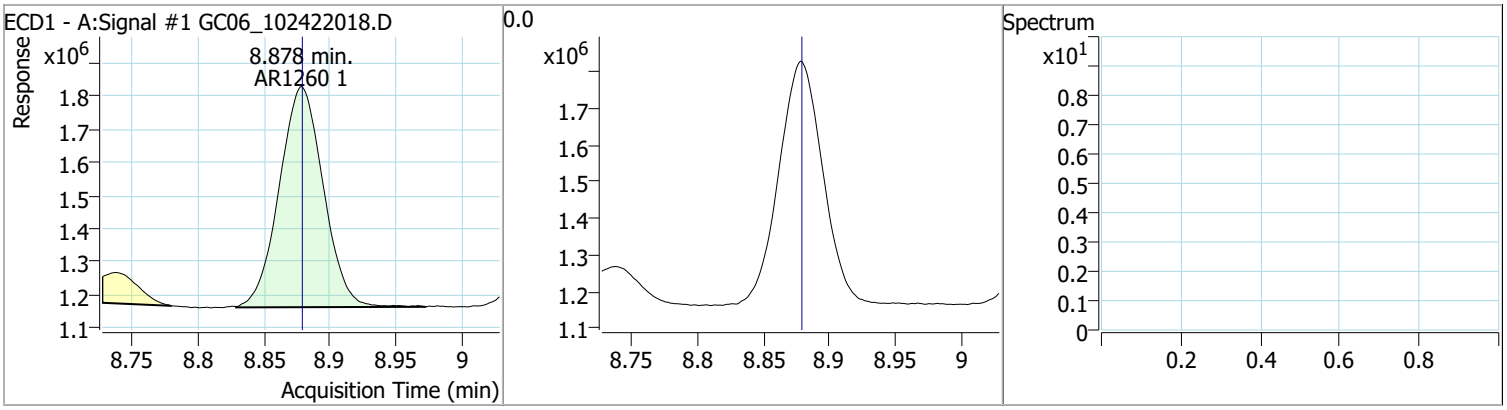
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	446.6742	7.22	0.00	3762341				



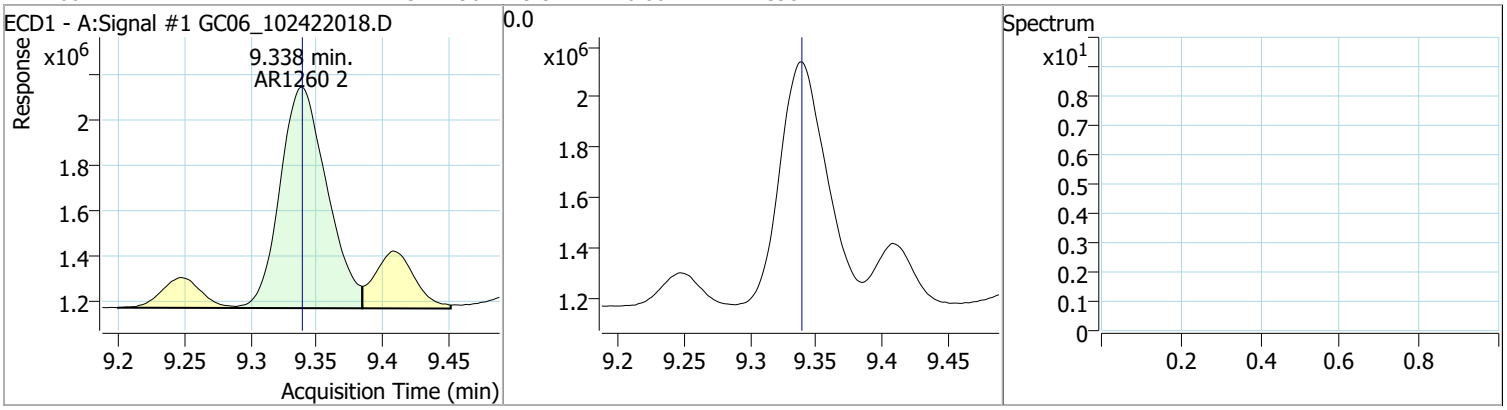
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	450.0997	7.97	0.00	3081651				



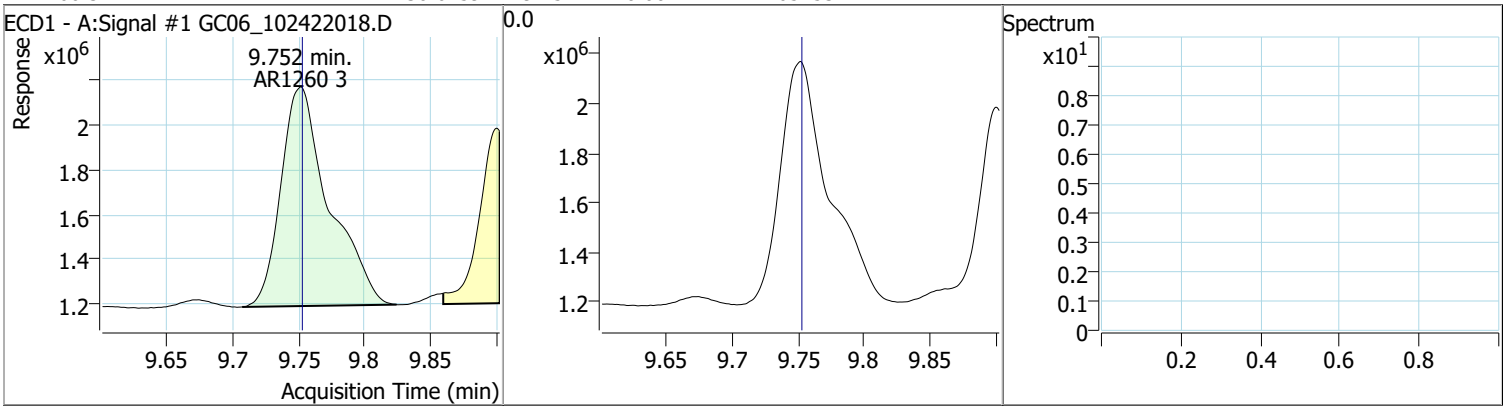
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	427.1323	8.88	0.00	1535145				



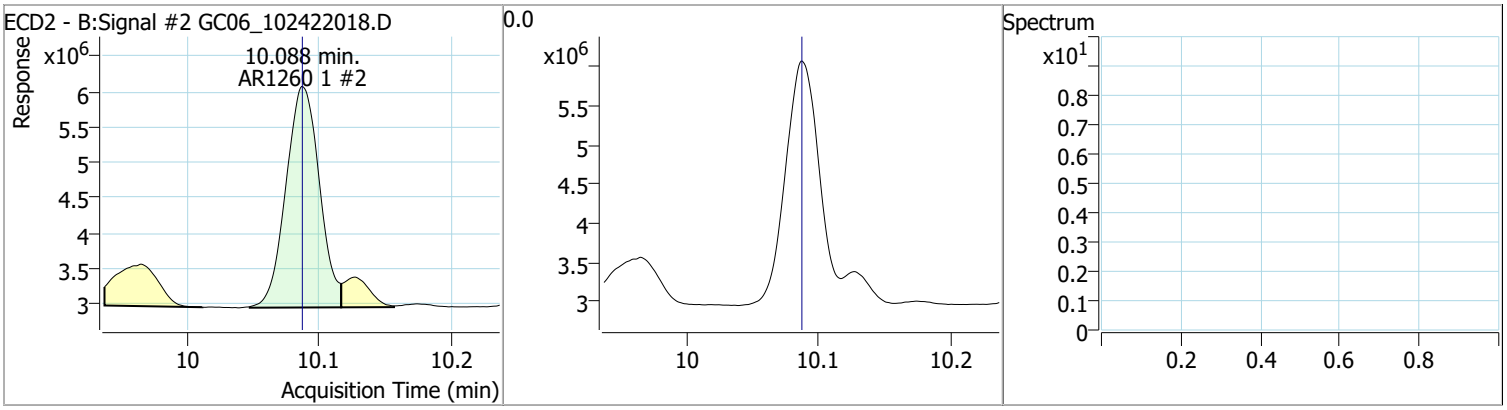
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	437.2290	9.34	0.00	2395142				



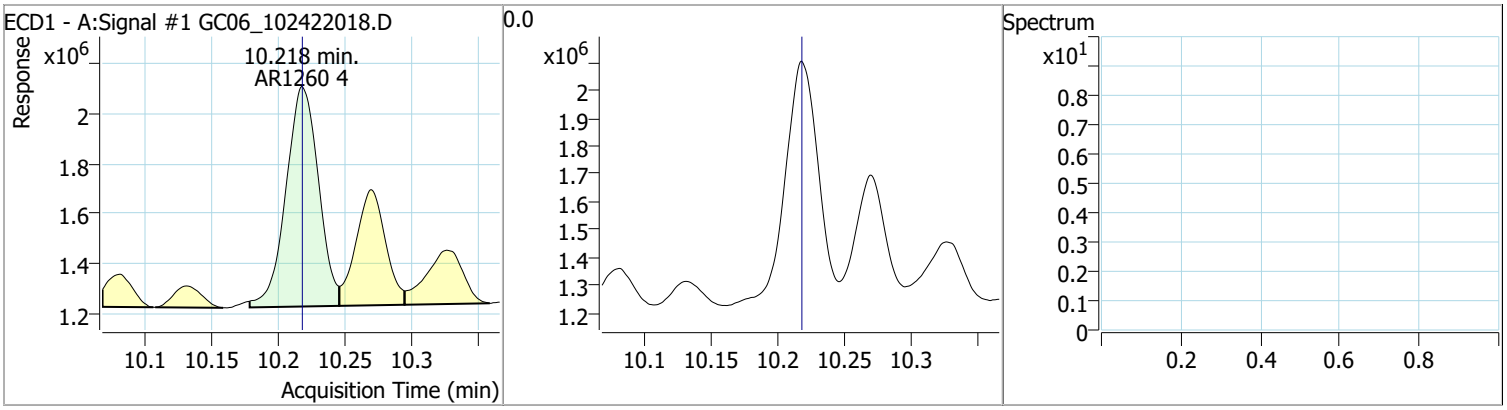
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	430.6459	9.75	0.00	2465753				



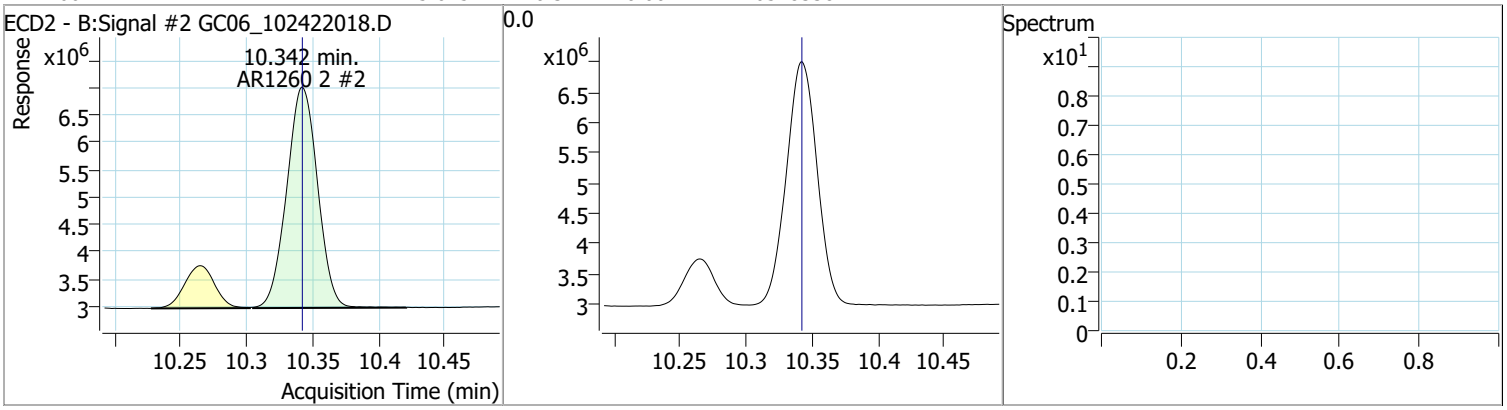
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	428.4678	10.09	0.00	5518696				



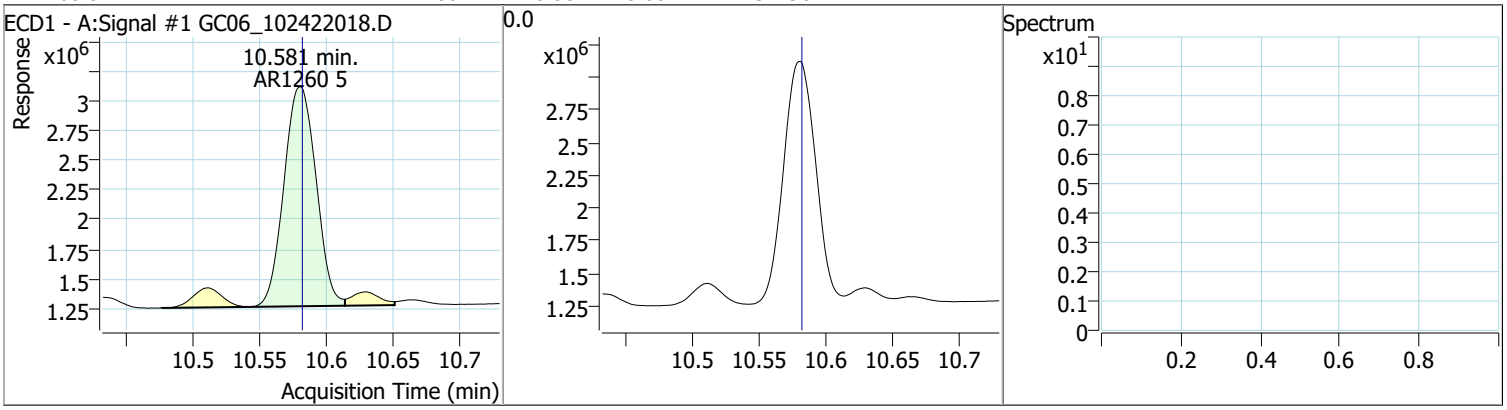
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	477.5929	10.22	0.00	1491017				



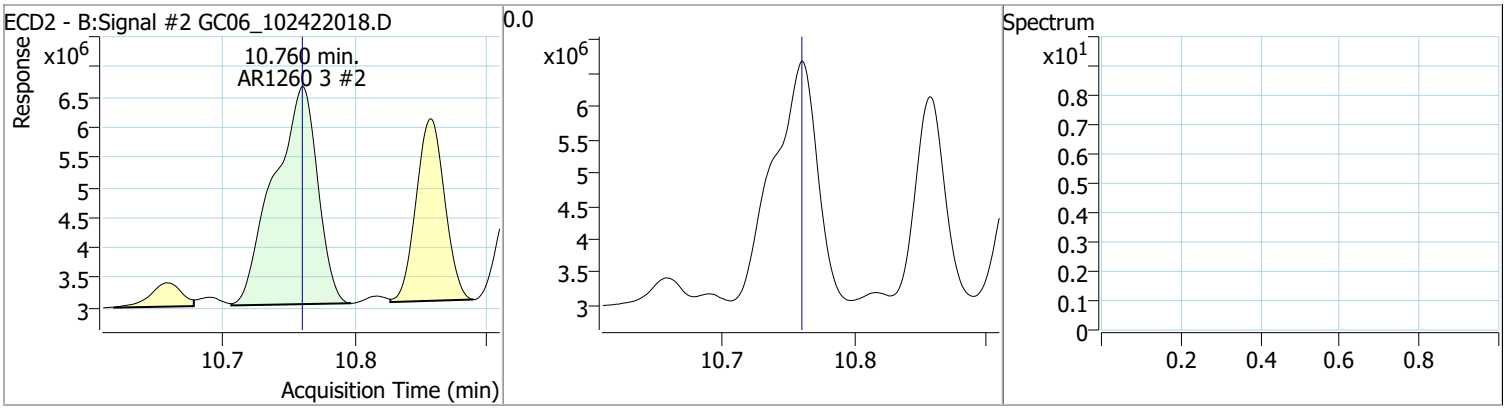
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	425.0754	10.34	0.00	6578338				



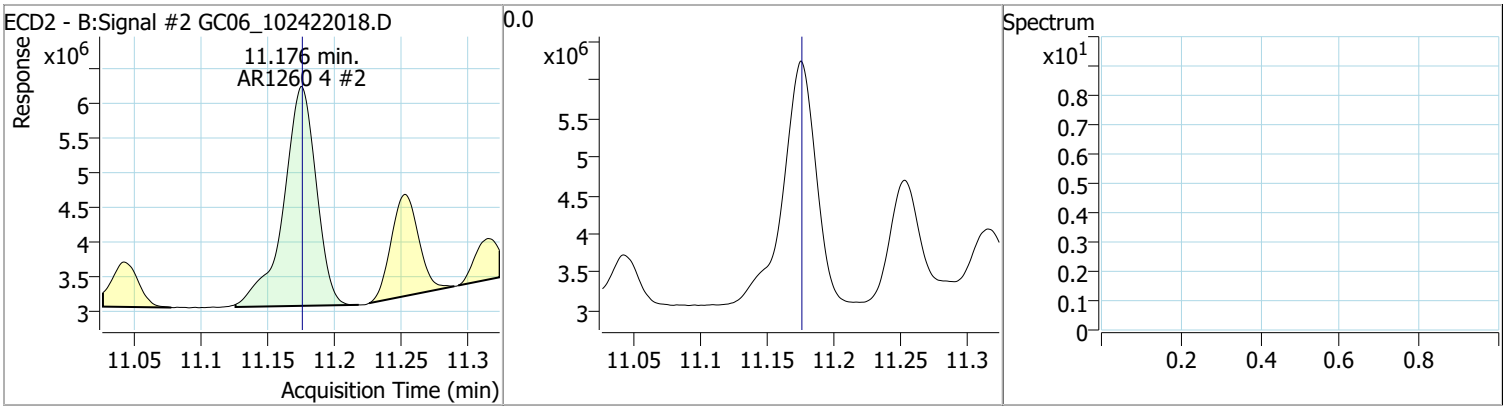
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	472.8847	10.58	0.00	3129644				



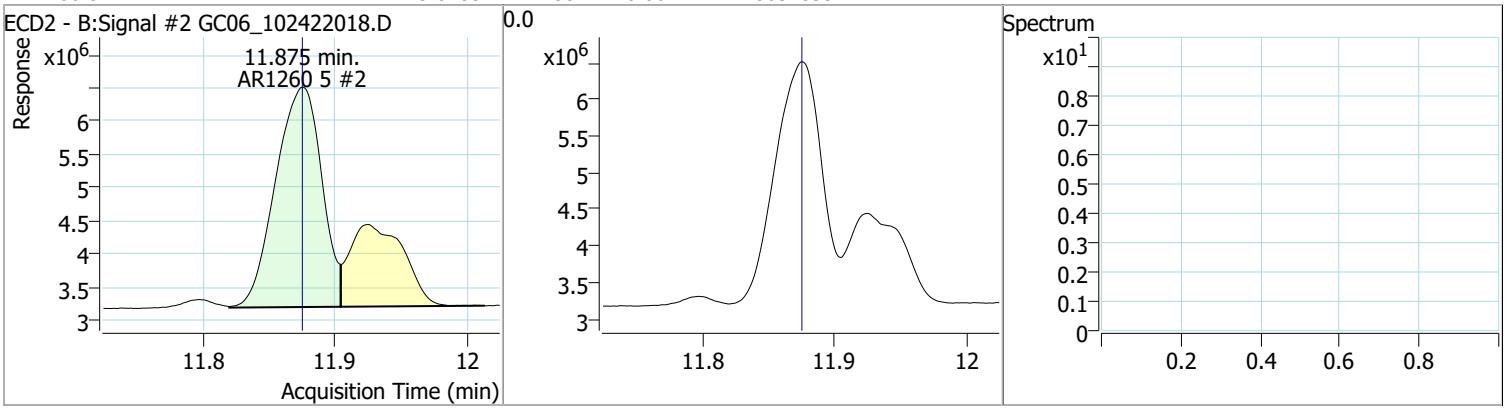
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	424.5121	10.76	0.00	8315695				



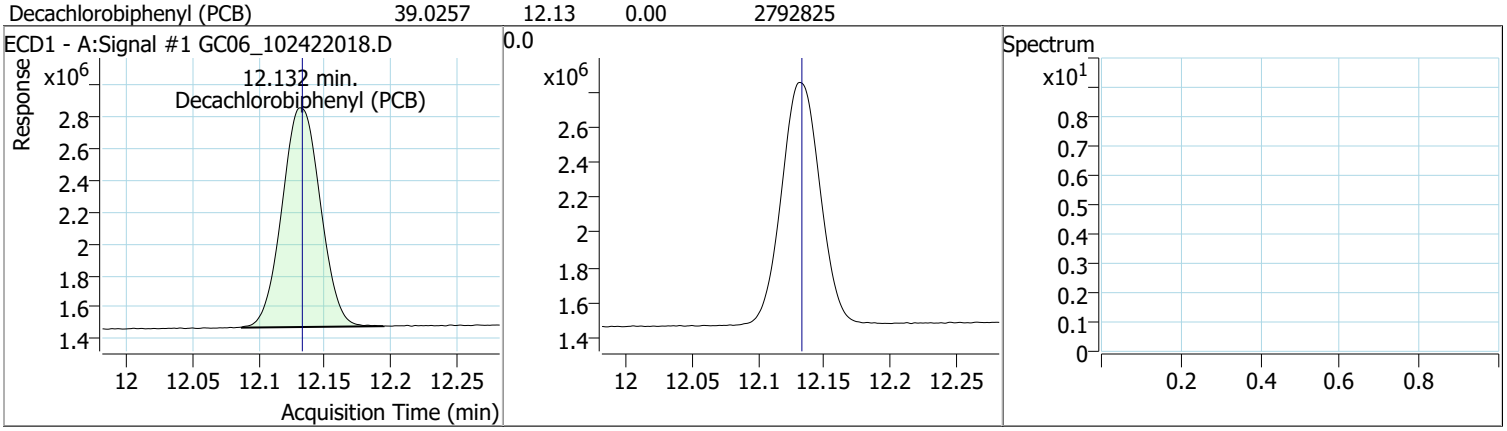
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	482.3064	11.18	0.00	5439718				



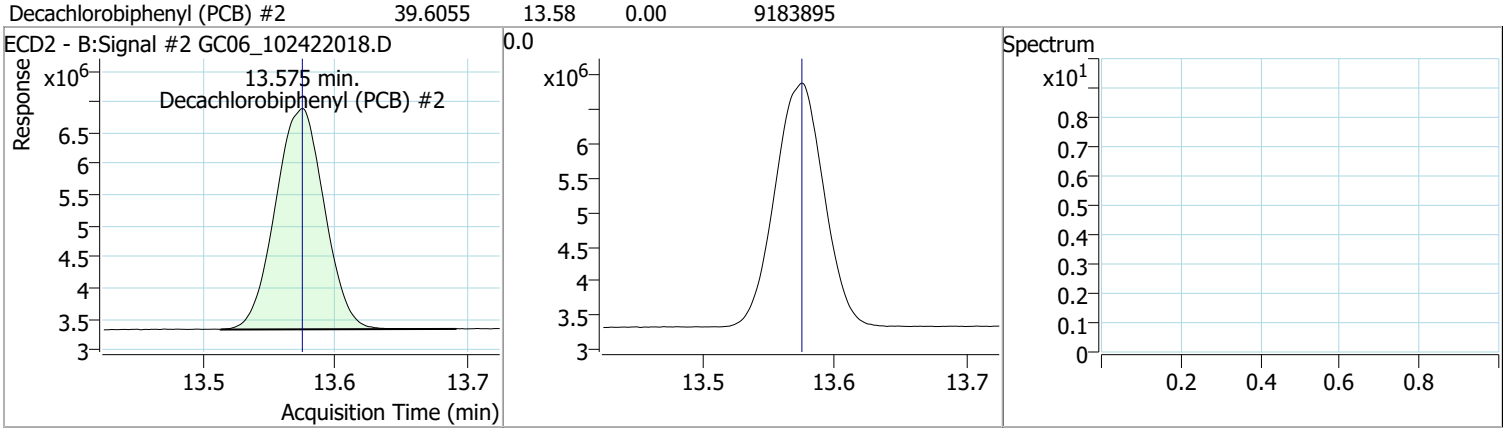
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	475.0785	11.88	0.00	8037599				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.0257	12.13	0.00	2792825				

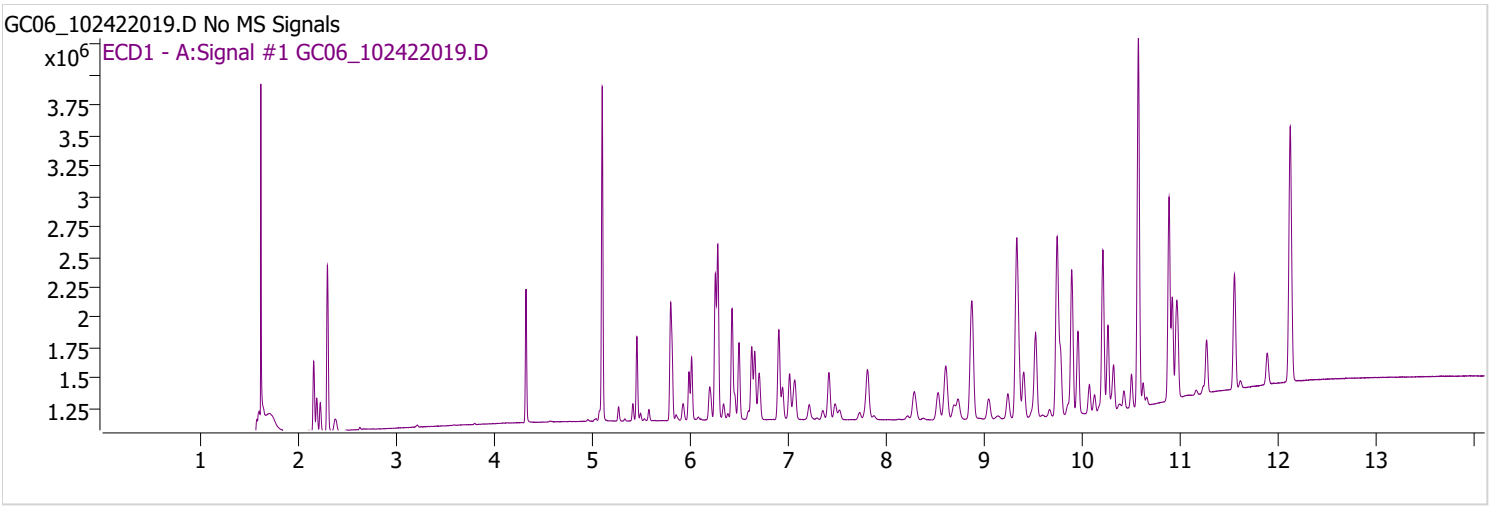


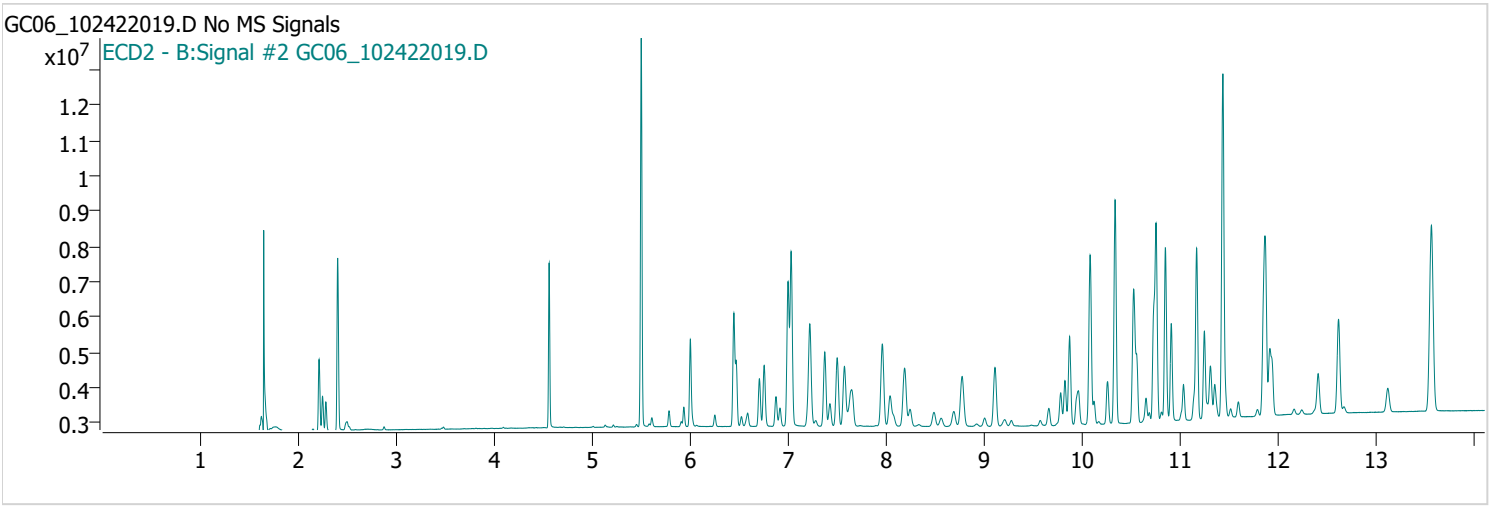
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	39.6055	13.58	0.00	9183895				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422019.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 6:55:57 PM
Sample Name	ICAL, S17268	Instrument	SVOA-GC06
Vial	16	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



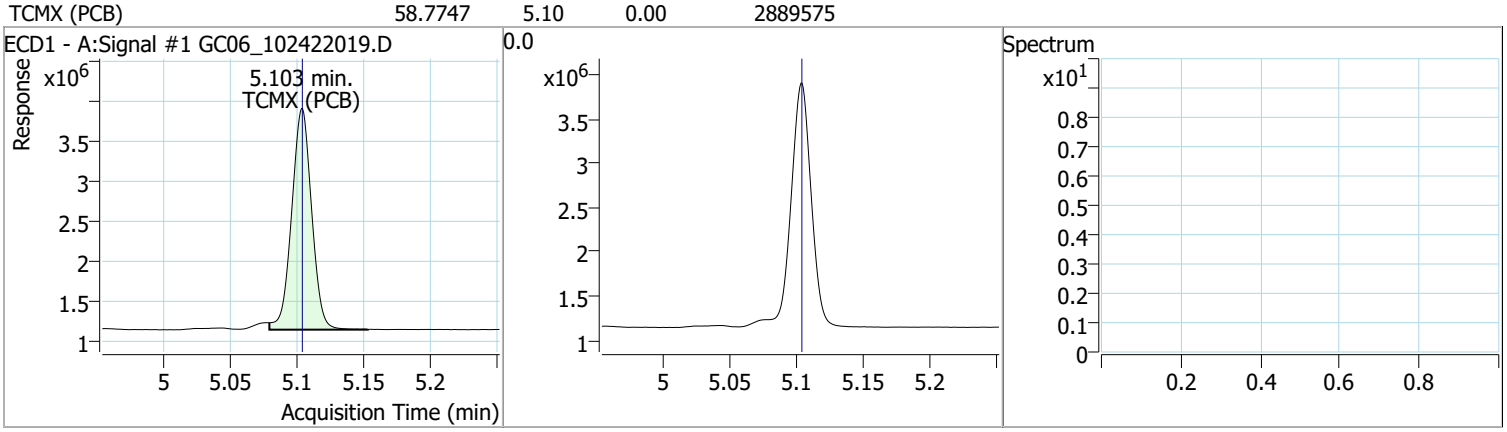


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1022576.576	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	4174033.845	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	2889575.318	58.7747	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 293.87%		*	
S TCMX (PCB) #2	5.502	0.0	12018447.242	59.9555	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 299.78%		*	
S Decachlorobiphenyl (PCB)	12.131	0.0	4087132.062	61.6234	ng/ml	m	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 308.12%		*	
S Decachlorobiphenyl (PCB) #2	13.573	0.0	13554343.443	61.7298	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 308.65%		*	
Target Compounds							QValue

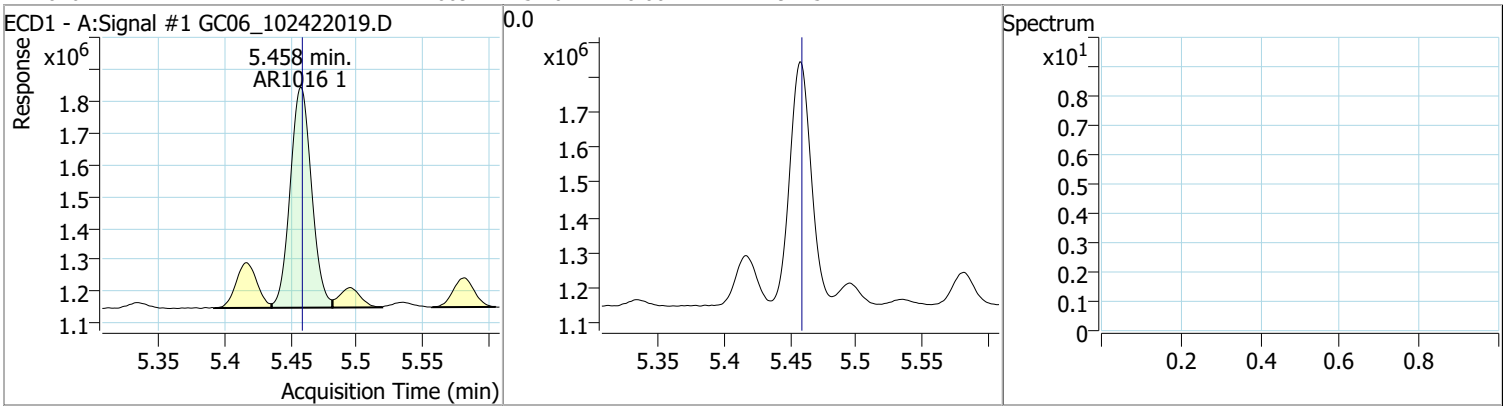
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.458	0.0	779425.049	727.0091	ng/ml		100
T AR1016 2	5.803	0.0	1697508.479	780.9261	ng/ml		100
T AR1016 1 #2	6.003	0.0	3250519.385	749.2846	ng/ml		100
T AR1016 3	6.284	0.0	1999248.159	735.5035	ng/ml		100
T AR1016 4	6.430	0.0	1529918.274	740.0346	ng/ml		100
T AR1016 2 #2	6.448	0.0	4584883.612	732.1361	ng/ml	m	100
T AR1016 5	6.908	0.0	1230110.661	738.7304	ng/ml		100
T AR1016 3 #2	7.033	0.0	8226702.311	722.9904	ng/ml		100
T AR1016 4 #2	7.223	0.0	5998163.664	738.3839	ng/ml		100
T AR1016 5 #2	7.964	0.0	4908449.359	743.3626	ng/ml		100
T AR1260 1	8.878	0.0	2377973.108	687.8018	ng/ml	m	100
T AR1260 2	9.338	0.0	3608366.991	684.7493	ng/ml		100
T AR1260 3	9.750	0.0	3823910.537	694.2591	ng/ml		100
T AR1260 1 #2	10.087	0.0	8619738.178	693.9161	ng/ml		100
T AR1260 4	10.218	0.0	2291687.481	772.3166	ng/ml		100
T AR1260 2 #2	10.342	0.0	10189046.973	682.6759	ng/ml		100
T AR1260 5	10.579	0.0	4841911.227	771.5470	ng/ml		100
T AR1260 3 #2	10.760	0.0	12934062.436	684.6327	ng/ml		100
T AR1260 4 #2	11.174	0.0	8435663.631	789.9076	ng/ml		100
T AR1260 5 #2	11.873	0.0	12366844.232	769.0388	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

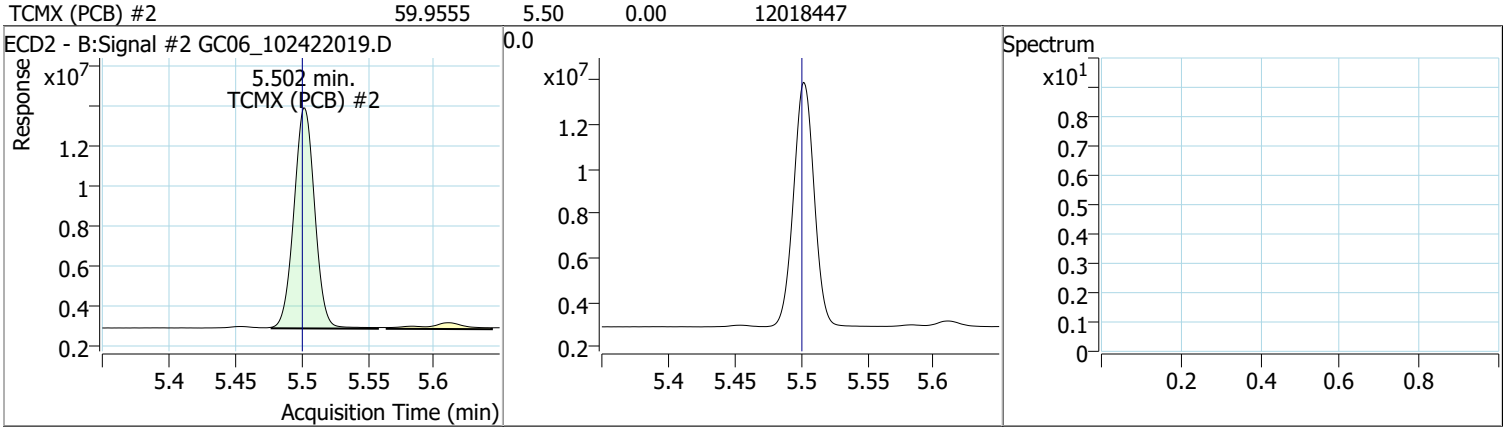
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	58.7747	5.10	0.00	2889575				



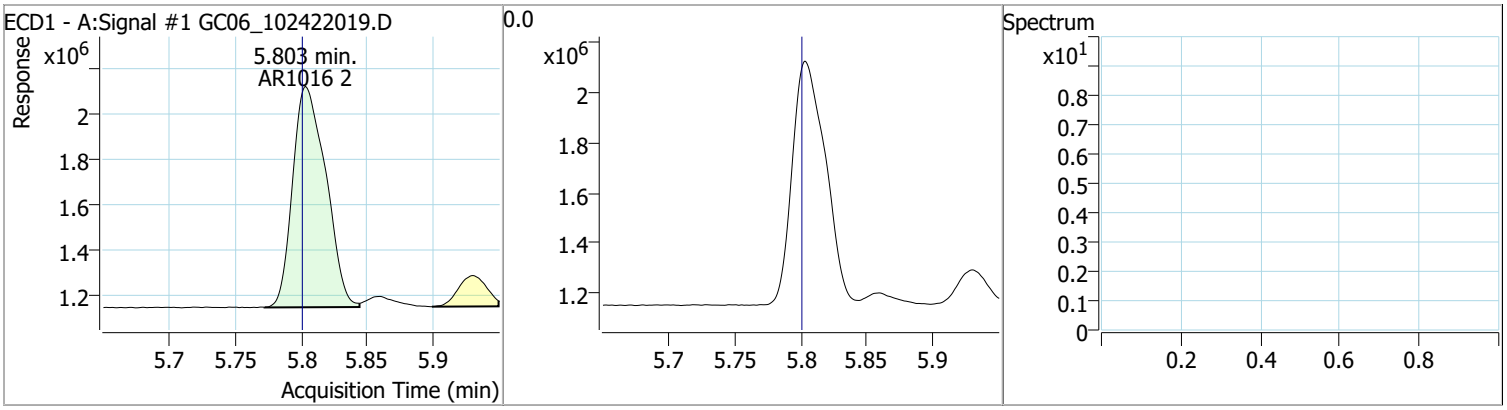
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	727.0091	5.46	0.00	779425				



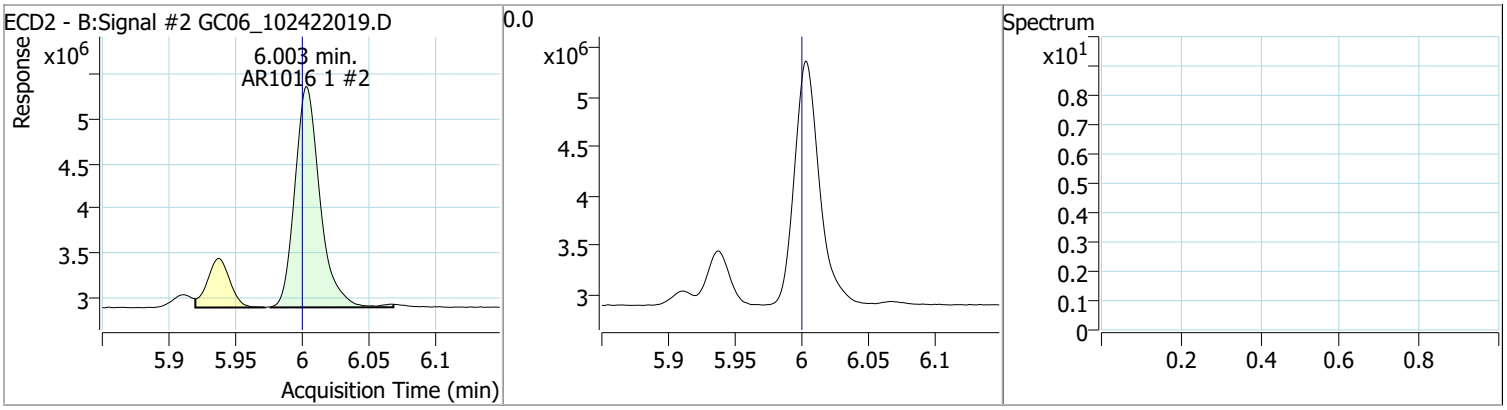
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	59.9555	5.50	0.00	12018447				



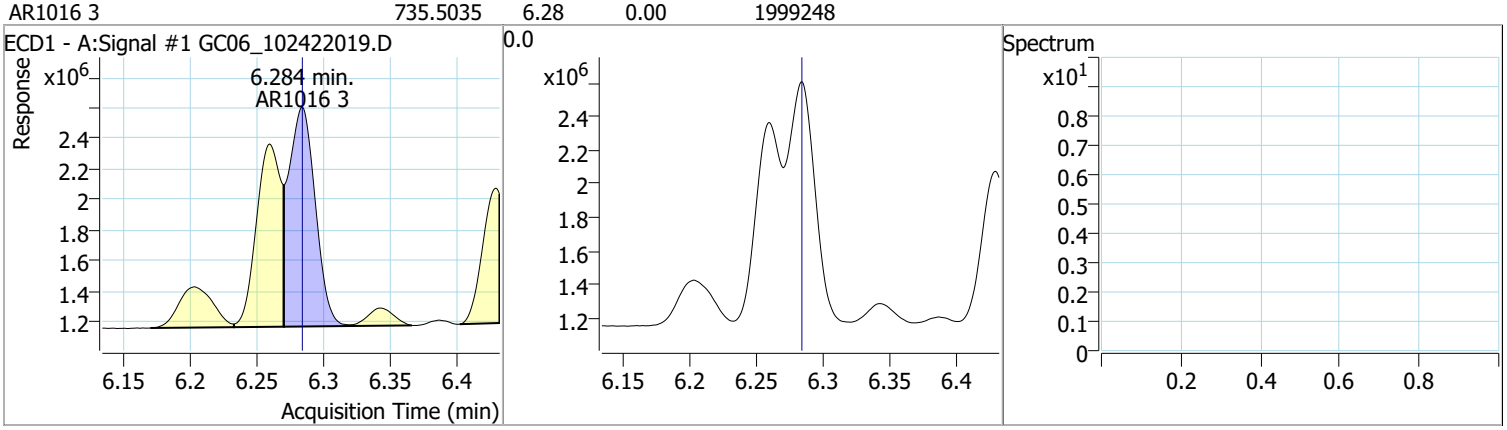
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	780.9261	5.80	0.00	1697508				



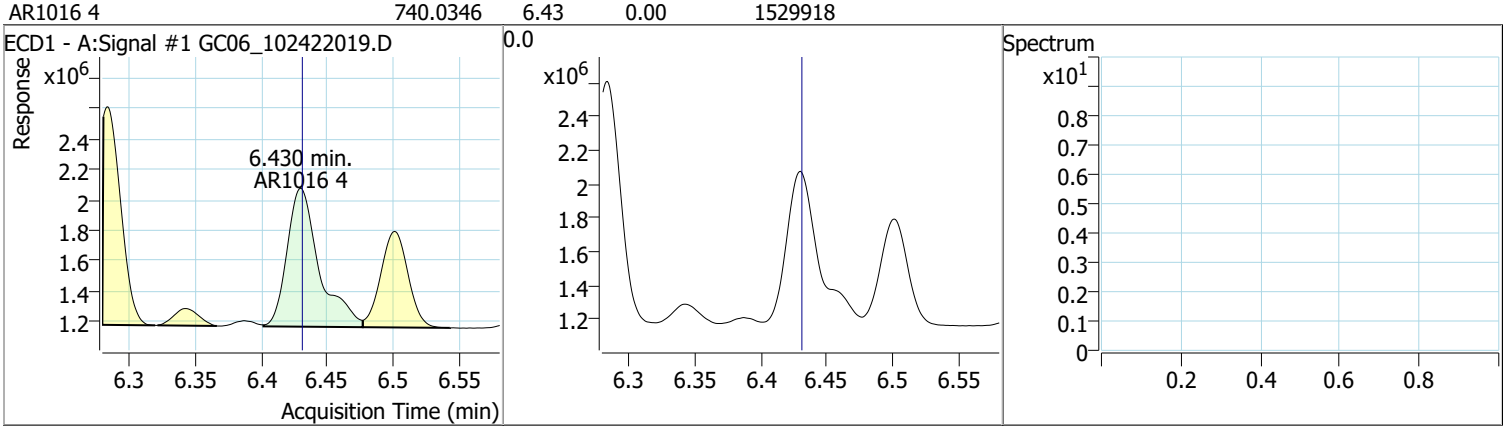
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	749.2846	6.00	0.00	3250519				



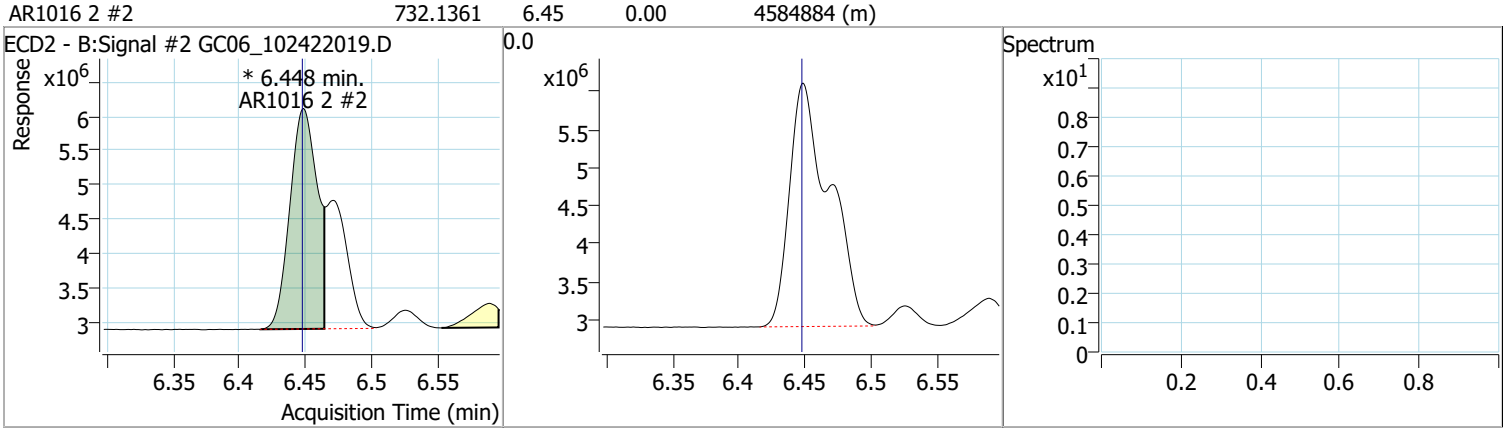
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	735.5035	6.28	0.00	1999248				



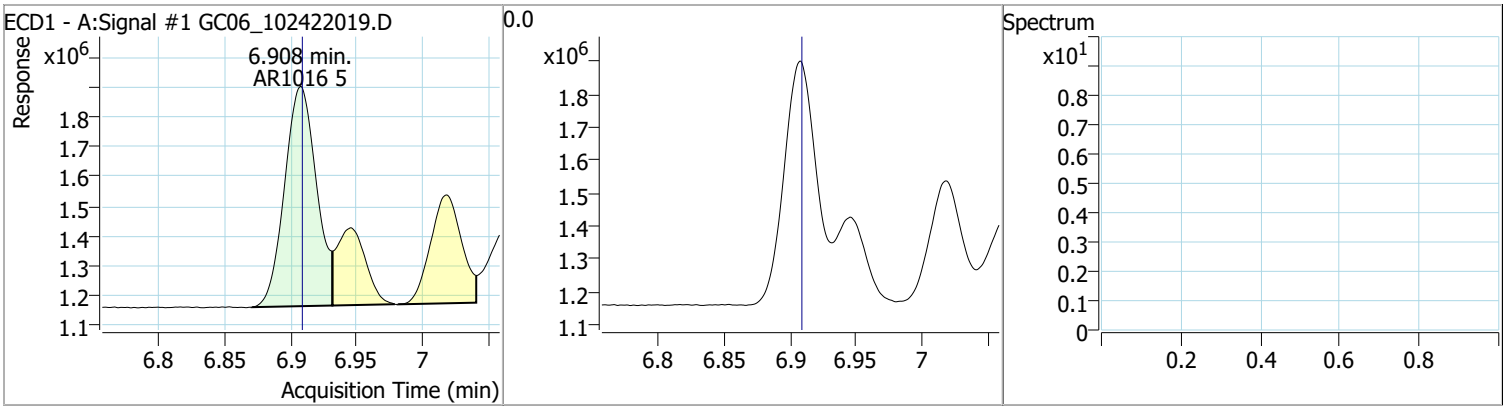
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	740.0346	6.43	0.00	1529918				



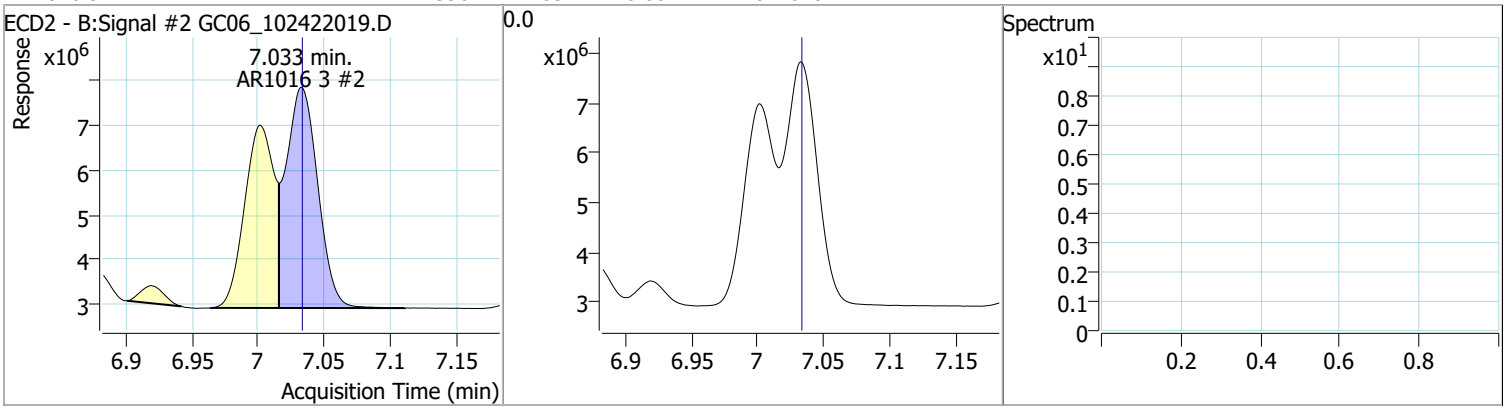
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	732.1361	6.45	0.00	4584884 (m)				



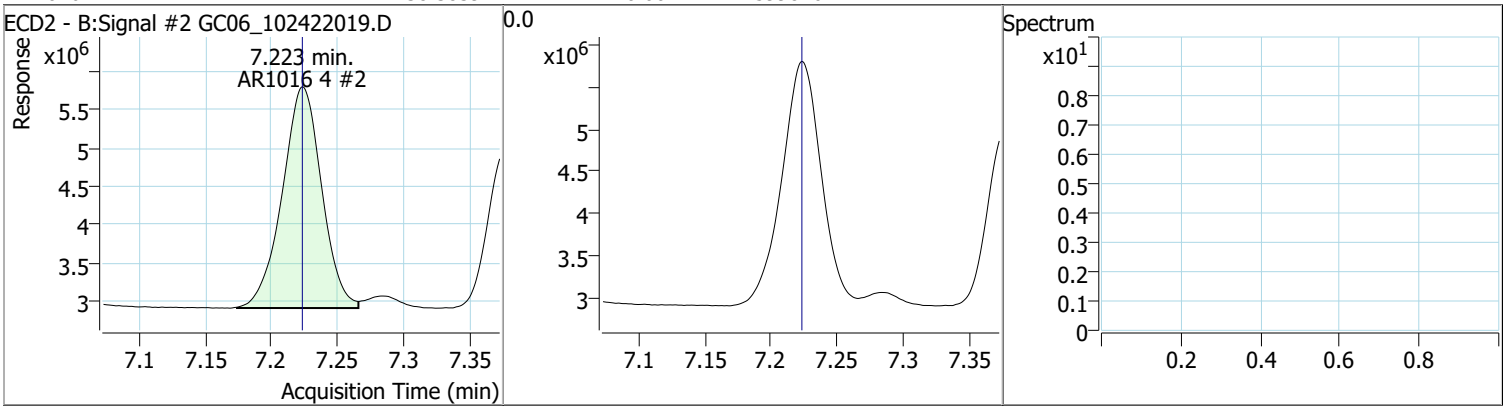
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	738.7304	6.91	0.00	1230111				



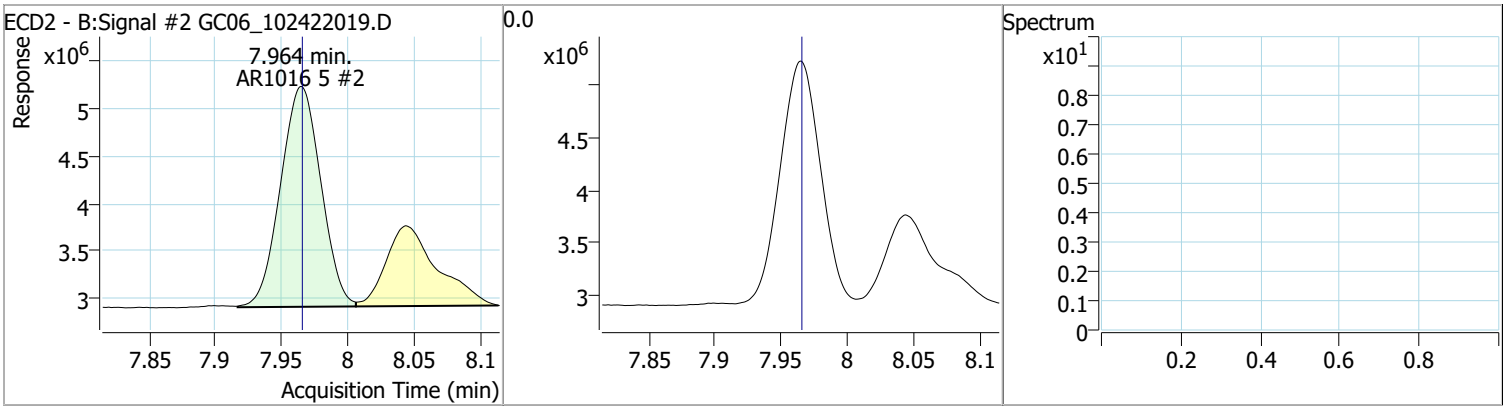
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	722.9904	7.03	0.00	8226702				



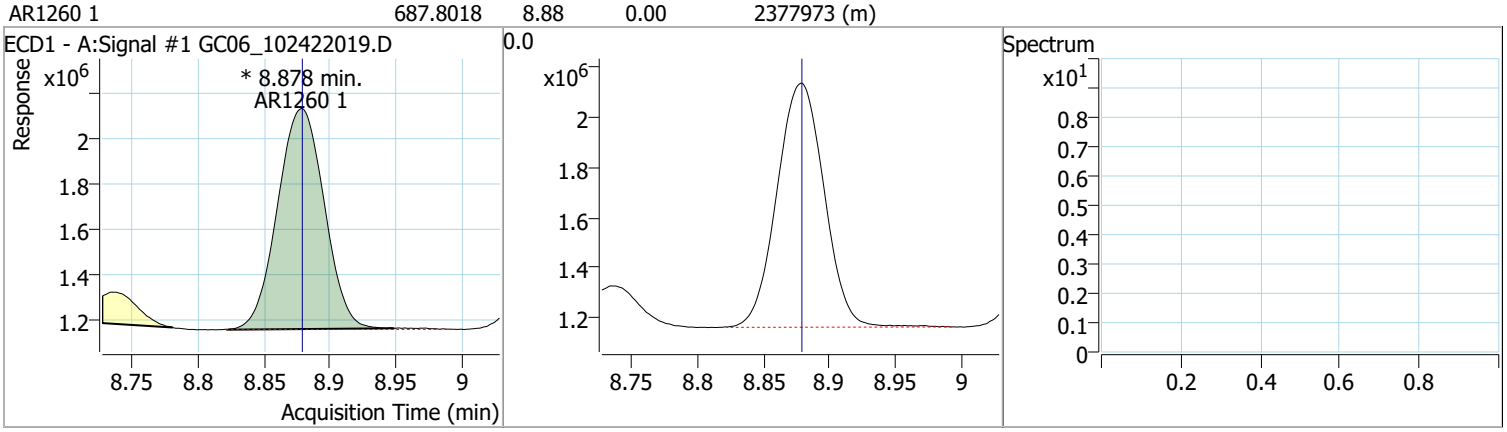
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	738.3839	7.22	0.00	5998164				



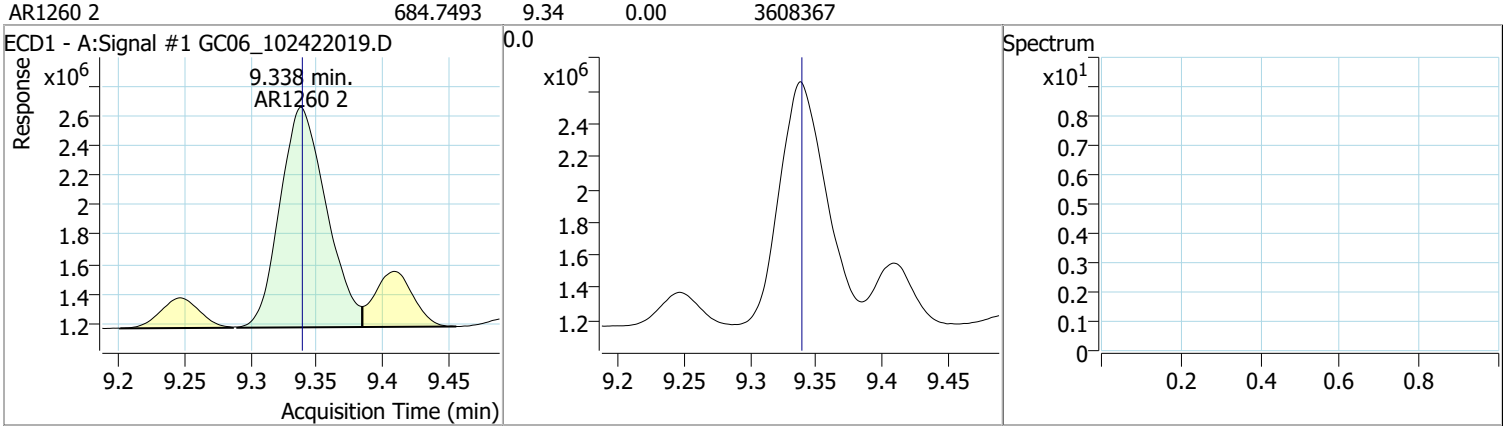
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	743.3626	7.96	0.00	4908449				



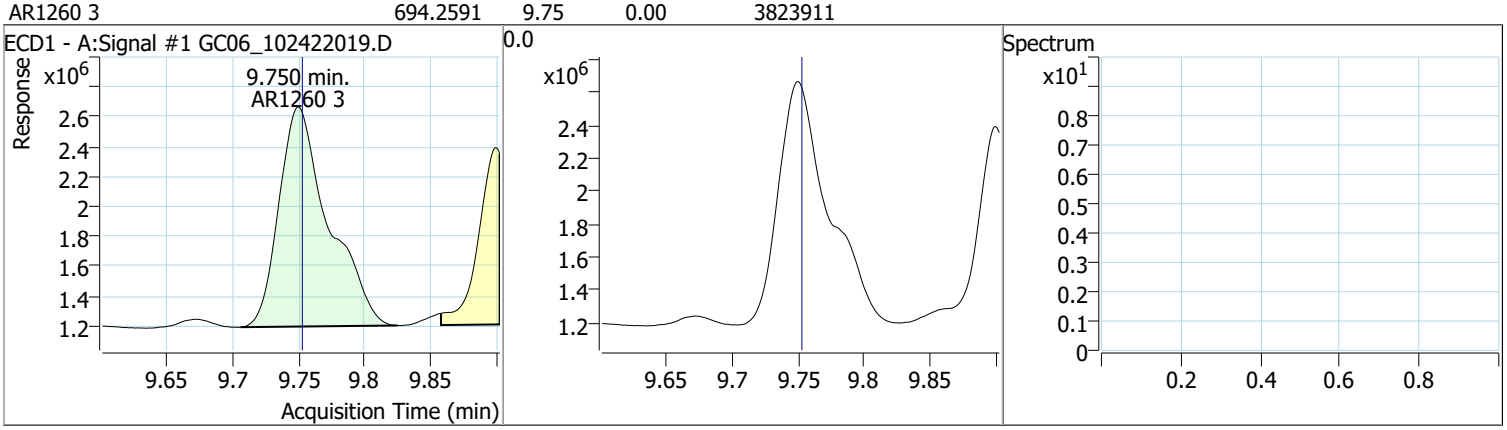
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	687.8018	8.88	0.00	2377973 (m)				



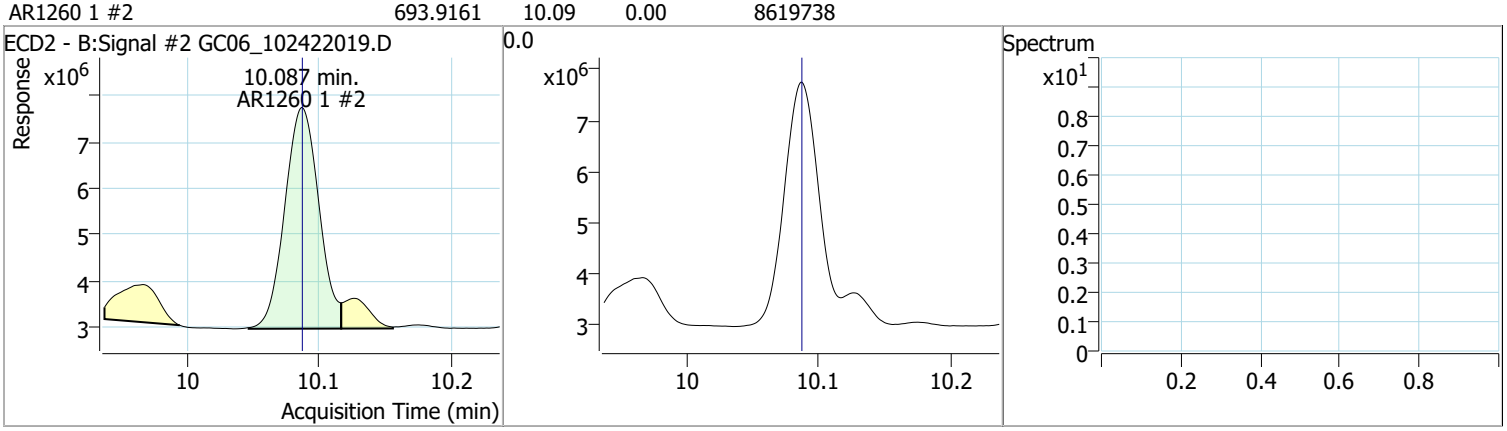
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	684.7493	9.34	0.00	3608367				



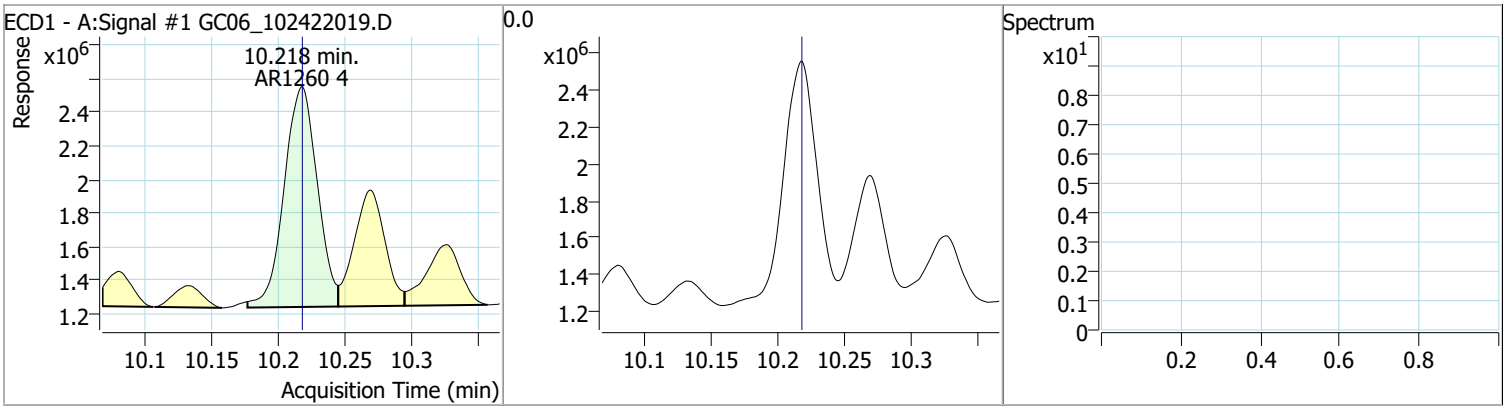
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	694.2591	9.75	0.00	3823911				



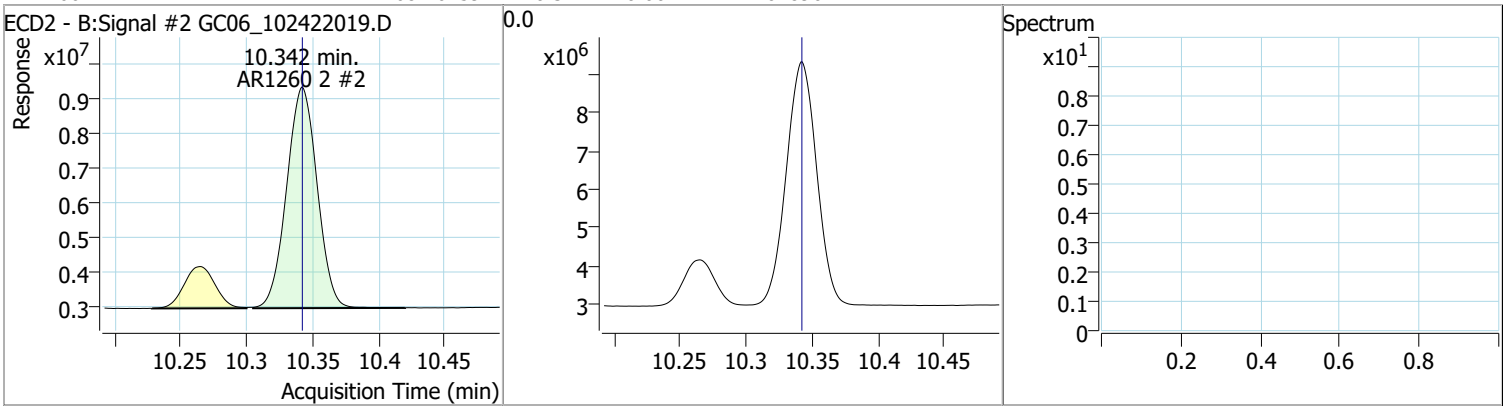
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	693.9161	10.09	0.00	8619738				



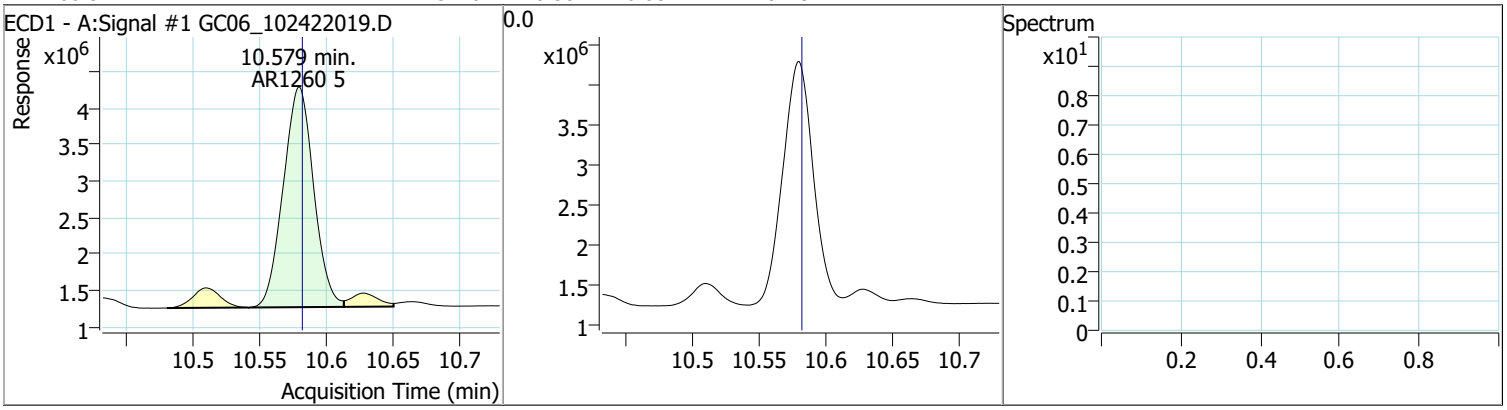
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	772.3166	10.22	0.00	2291687				



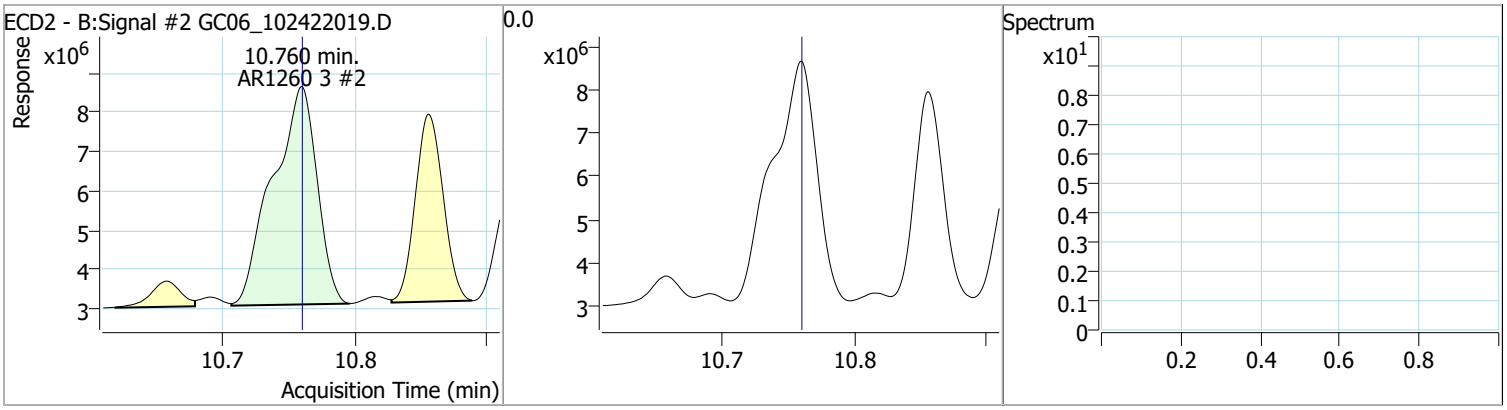
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	682.6759	10.34	0.00	10189047				



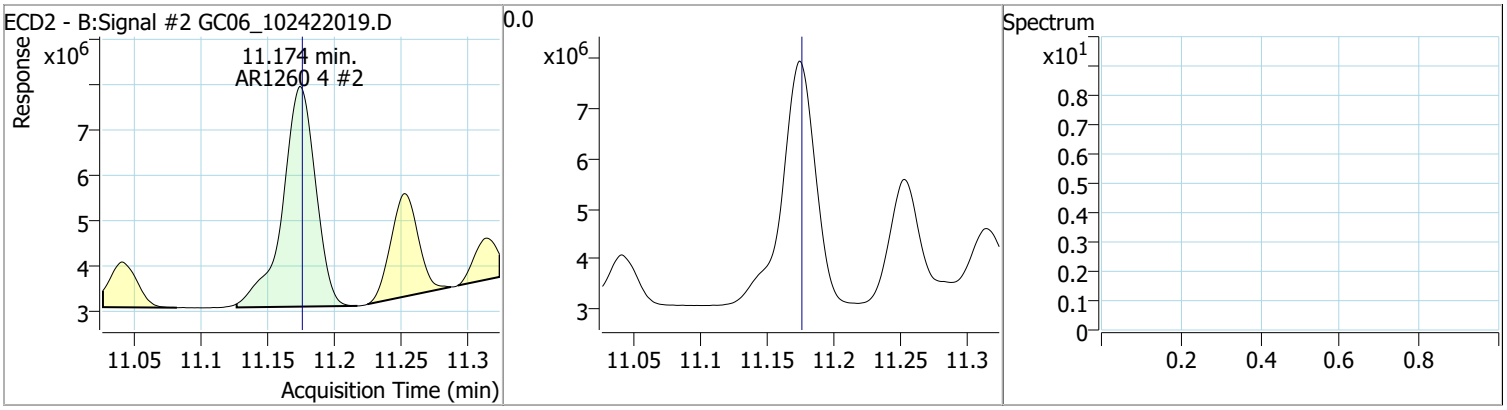
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	771.5470	10.58	0.00	4841911				



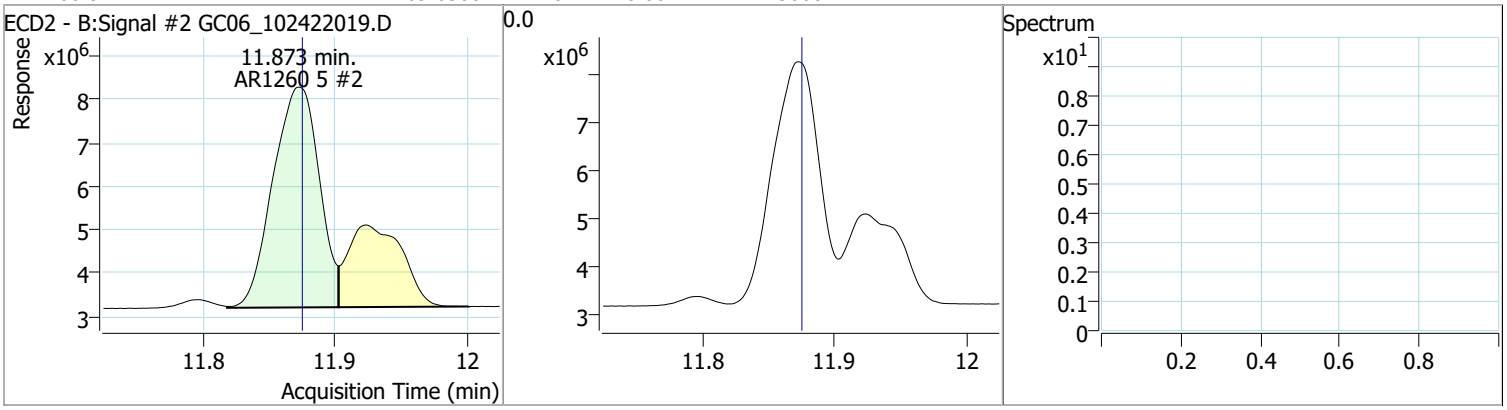
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	684.6327	10.76	0.00	12934062				



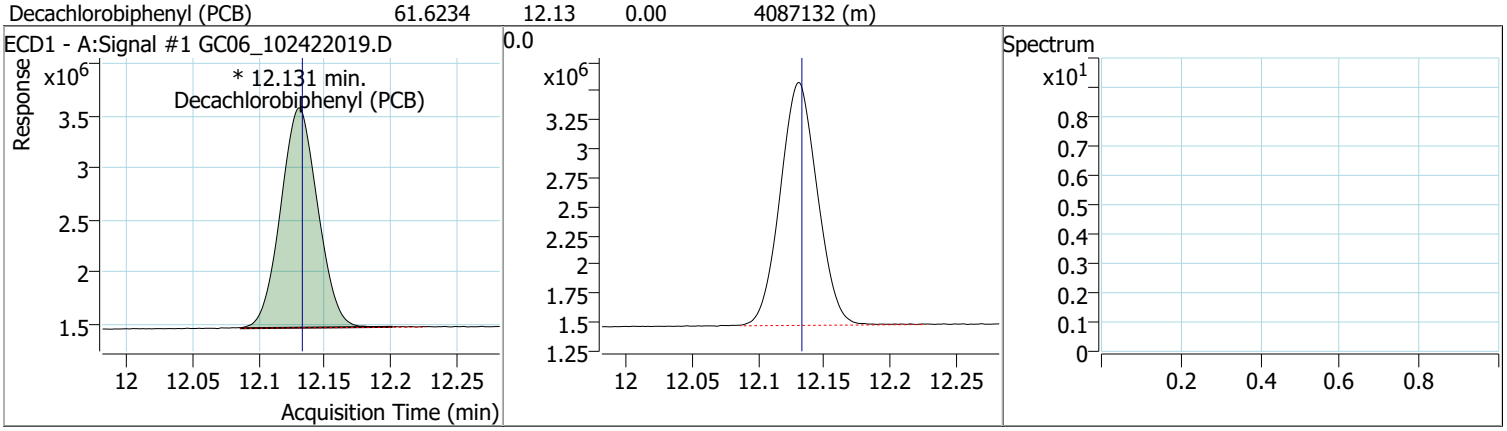
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	789.9076	11.17	0.00	8435664				



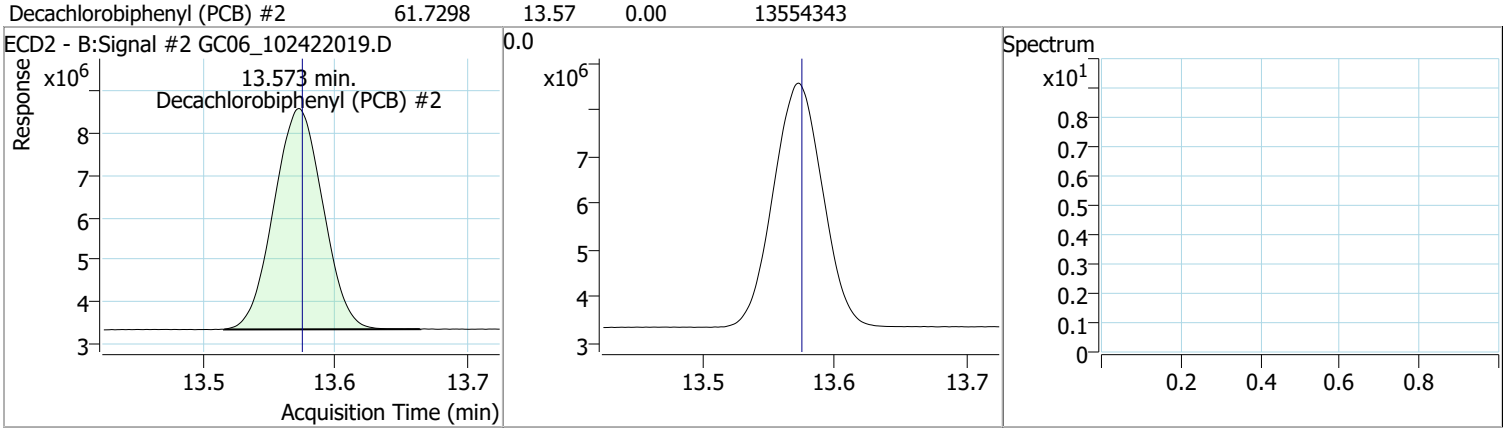
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	769.0388	11.87	0.00	12366844				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	61.6234	12.13	0.00	4087132 (m)				

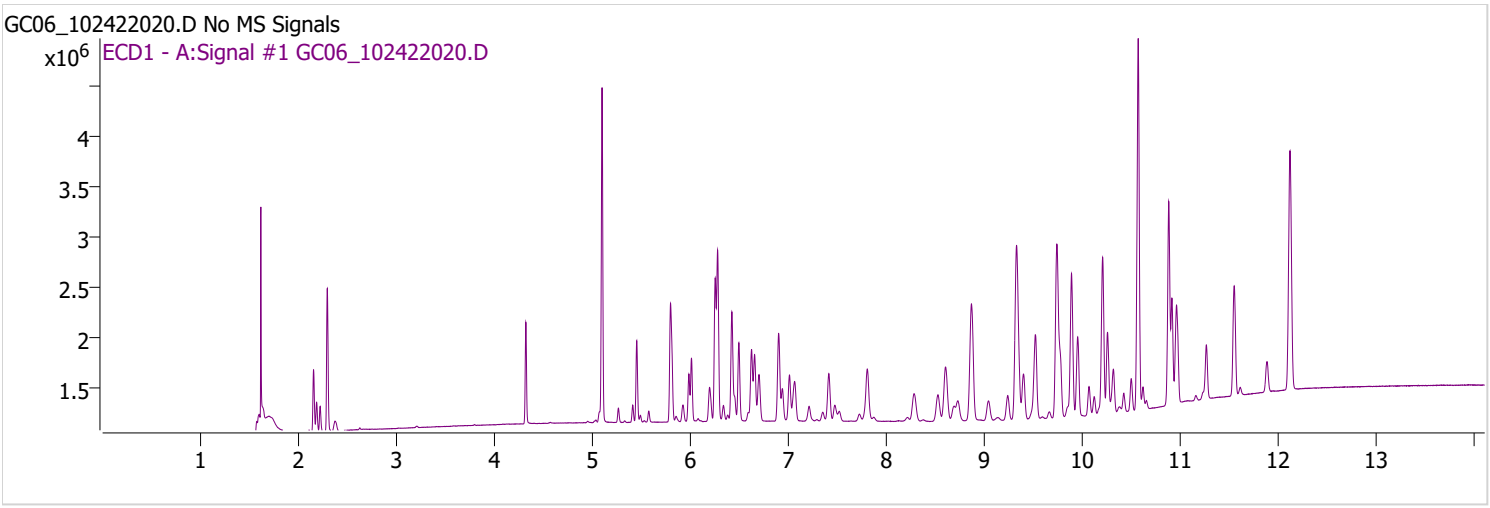


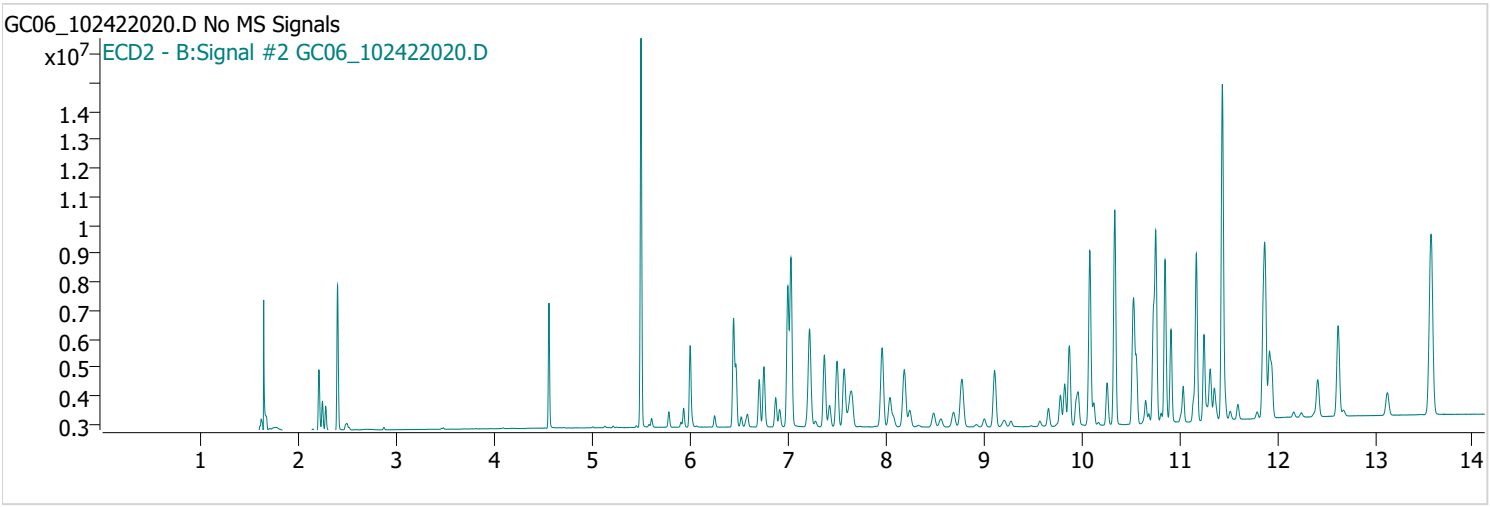
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	61.7298	13.57	0.00	13554343				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422020.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 7:13:45 PM
Sample Name	ICAL, S17269	Instrument	SVOA-GC06
Vial	17	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



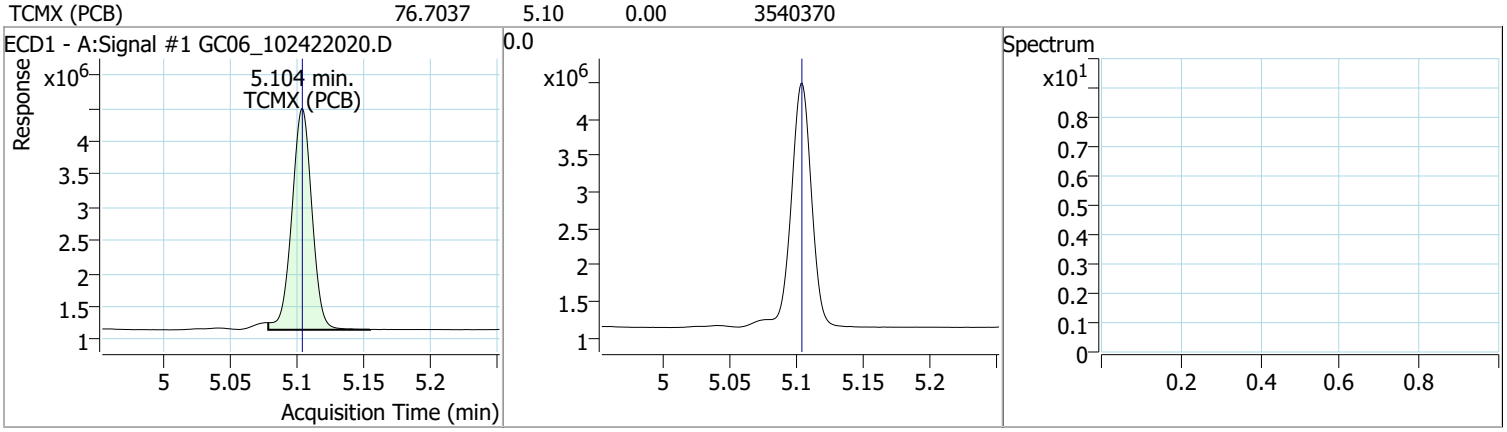


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	960028.285	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	3904924.024	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.104	0.0	3540369.739	76.7037	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 383.52%		*	
S TCMX (PCB) #2	5.502	0.0	14570076.912	77.6938	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 388.47%		*	
S Decachlorobiphenyl (PCB)	12.133	0.0	4873910.282	79.4415	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 397.21%		*	
S Decachlorobiphenyl (PCB) #2	13.574	0.0	16104085.280	78.9669	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 394.83%		*	
Target Compounds							QValue
T AR1016 1	5.458	0.0	943433.395	937.3214	ng/ml		100

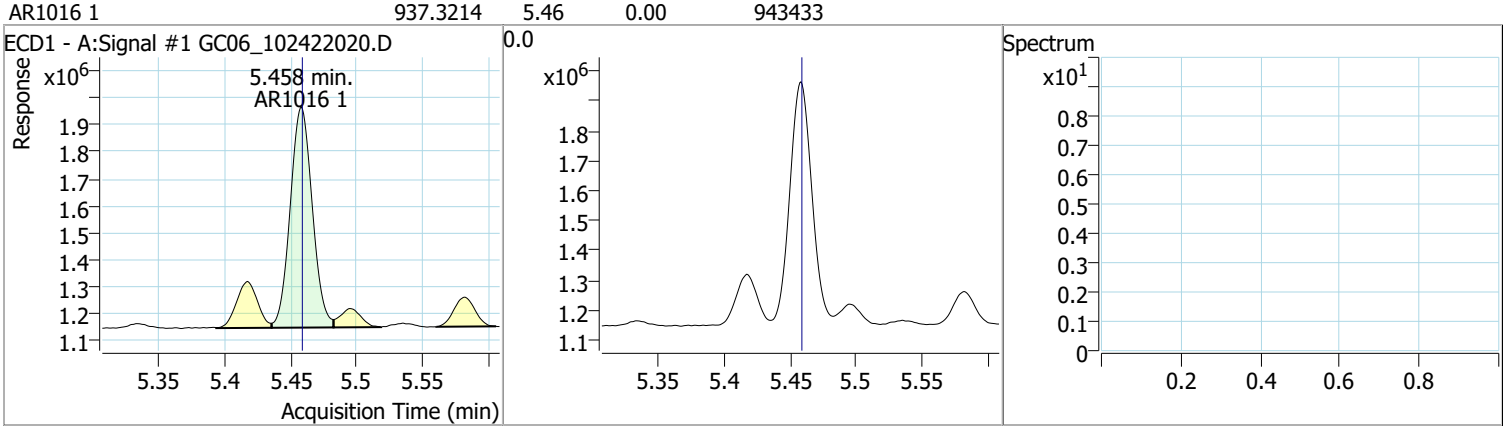
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.803	0.0	2010418.724	989.1606	ng/ml		100
T AR1016 1 #2	6.004	0.0	3878467.632	955.6472	ng/ml		100
T AR1016 3	6.284	0.0	2394397.764	938.2663	ng/ml		100
T AR1016 4	6.430	0.0	1827466.445	941.5536	ng/ml		100
T AR1016 2 #2	6.448	0.0	5500389.069	938.8589	ng/ml	m	100
T AR1016 5	6.908	0.0	1470872.987	940.8682	ng/ml		100
T AR1016 3 #2	7.034	0.0	9872562.438	927.4276	ng/ml		100
T AR1016 4 #2	7.224	0.0	7222770.660	950.4102	ng/ml		100
T AR1016 5 #2	7.966	0.0	5894671.400	954.2439	ng/ml		100
T AR1260 1	8.878	0.0	2877985.945	886.6594	ng/ml		100
T AR1260 2	9.338	0.0	4300287.117	869.2209	ng/ml		100
T AR1260 3	9.751	0.0	4585617.535	886.7956	ng/ml		100
T AR1260 1 #2	10.088	0.0	10289089.324	885.3872	ng/ml		100
T AR1260 4	10.218	0.0	2742861.102	988.8343	ng/ml		100
T AR1260 2 #2	10.343	0.0	12199337.627	873.6965	ng/ml		100
T AR1260 5	10.582	0.0	5817456.745	992.4576	ng/ml		100
T AR1260 3 #2	10.761	0.0	15563112.957	880.5672	ng/ml		100
T AR1260 4 #2	11.176	0.0	9679021.093	974.1517	ng/ml		100
T AR1260 5 #2	11.874	0.0	14837736.104	991.5511	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

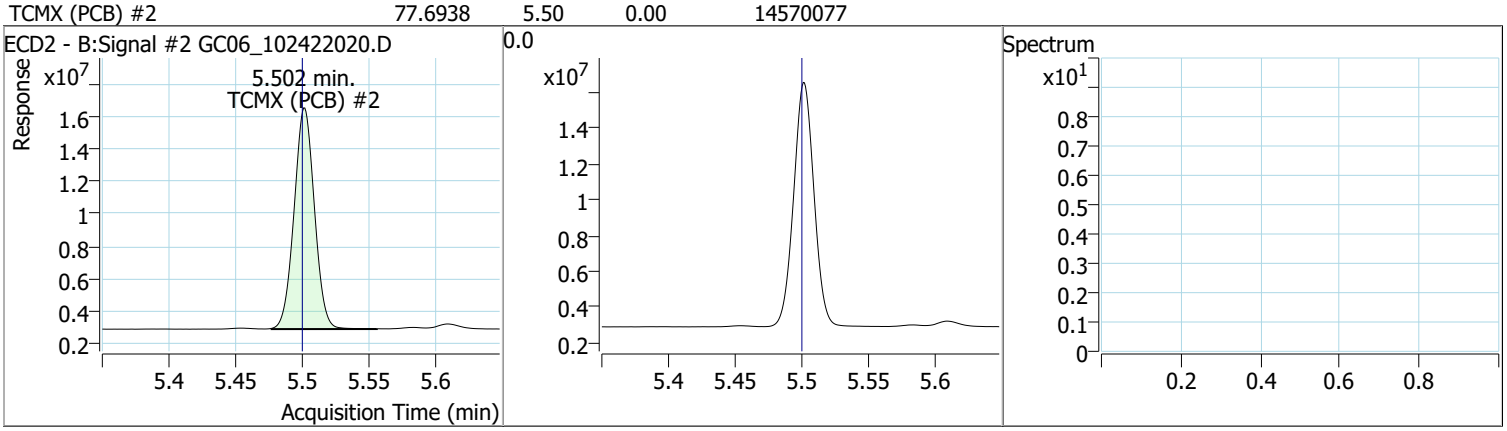
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	76.7037	5.10	0.00	3540370				



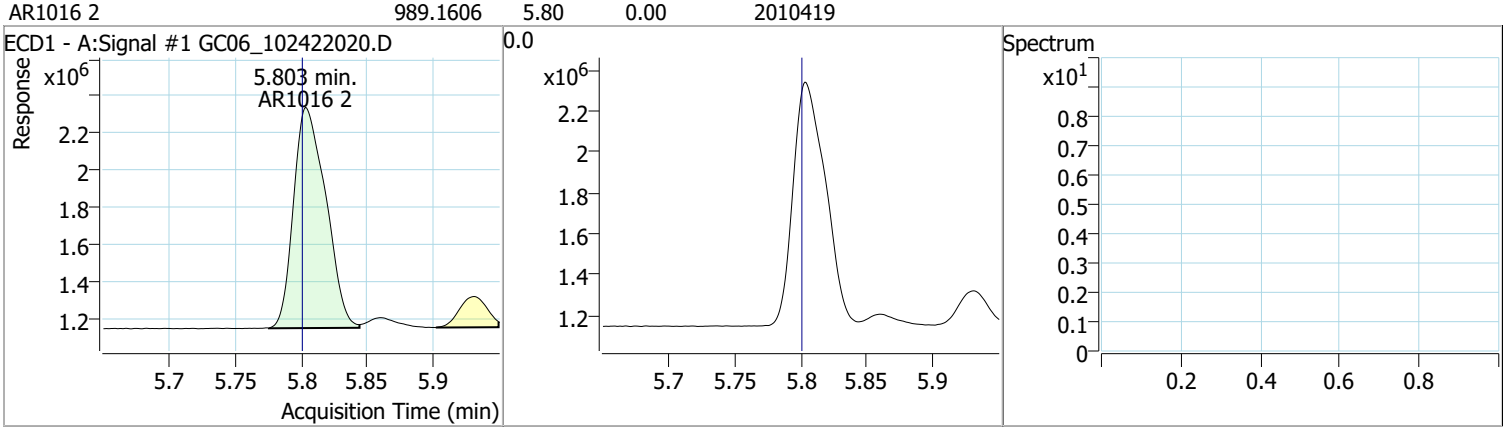
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	937.3214	5.46	0.00	943433				



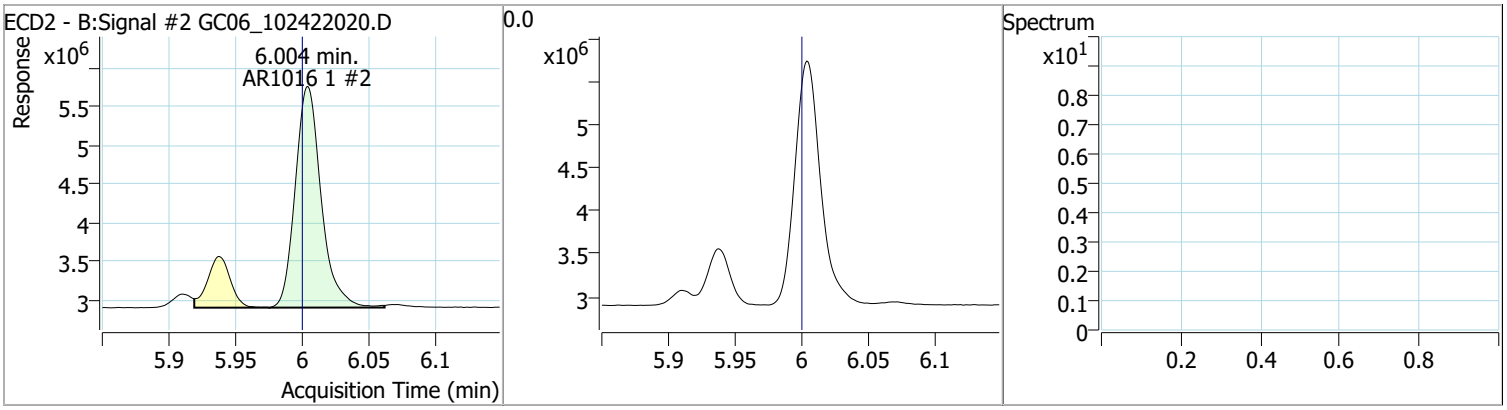
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	77.6938	5.50	0.00	14570077				



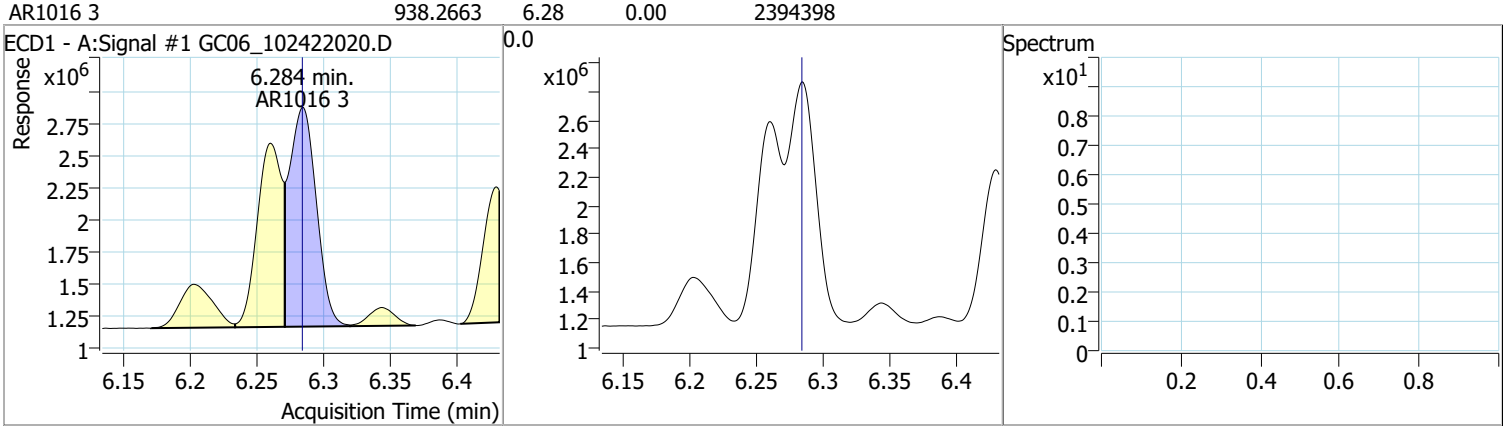
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	989.1606	5.80	0.00	2010419				



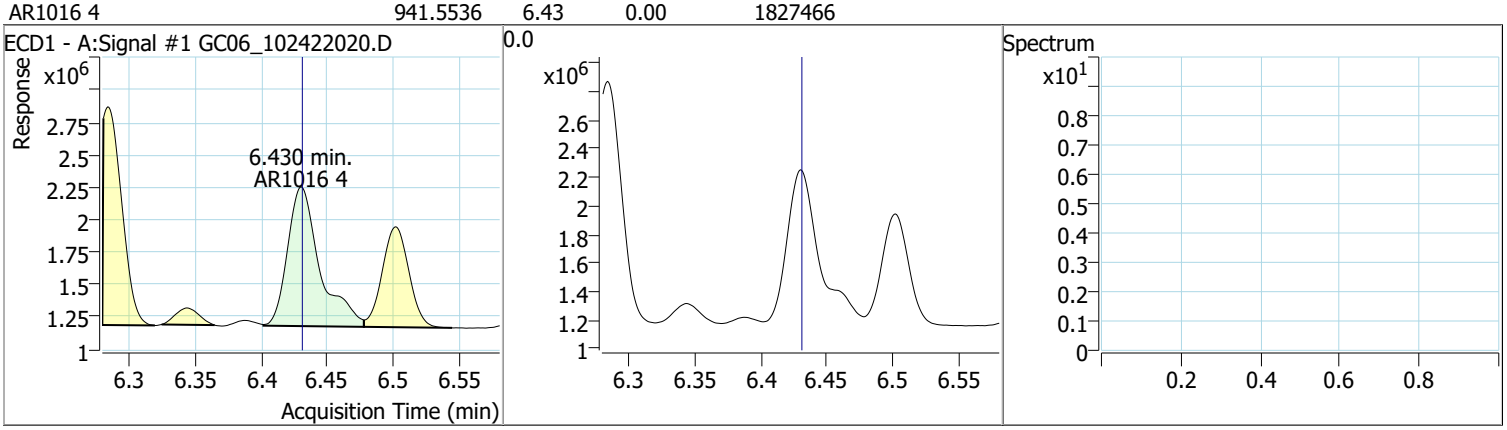
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	955.6472	6.00	0.00	3878468				



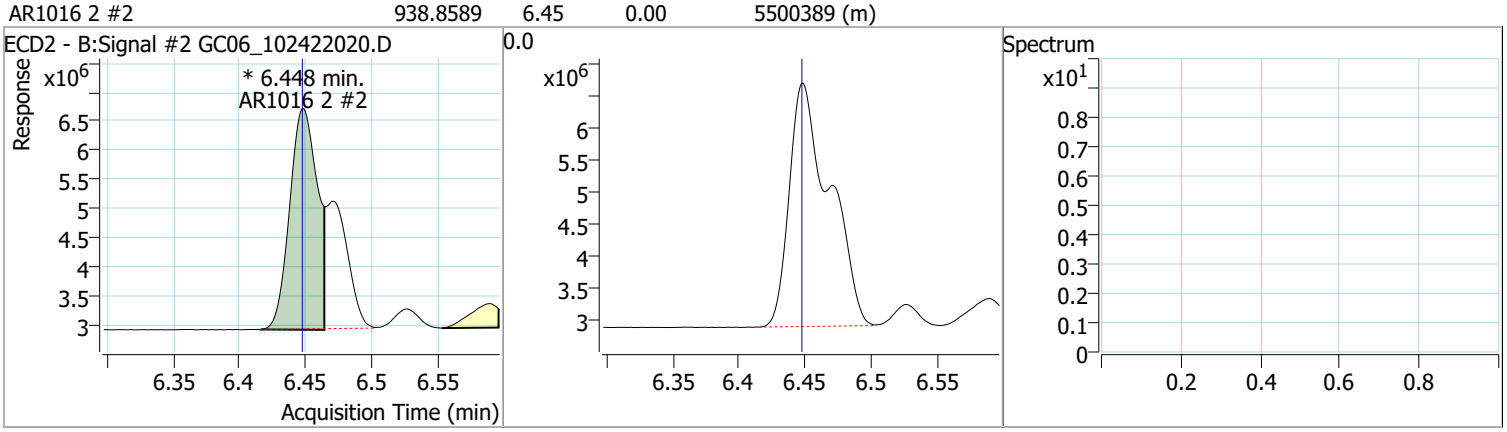
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	938.2663	6.28	0.00	2394398				



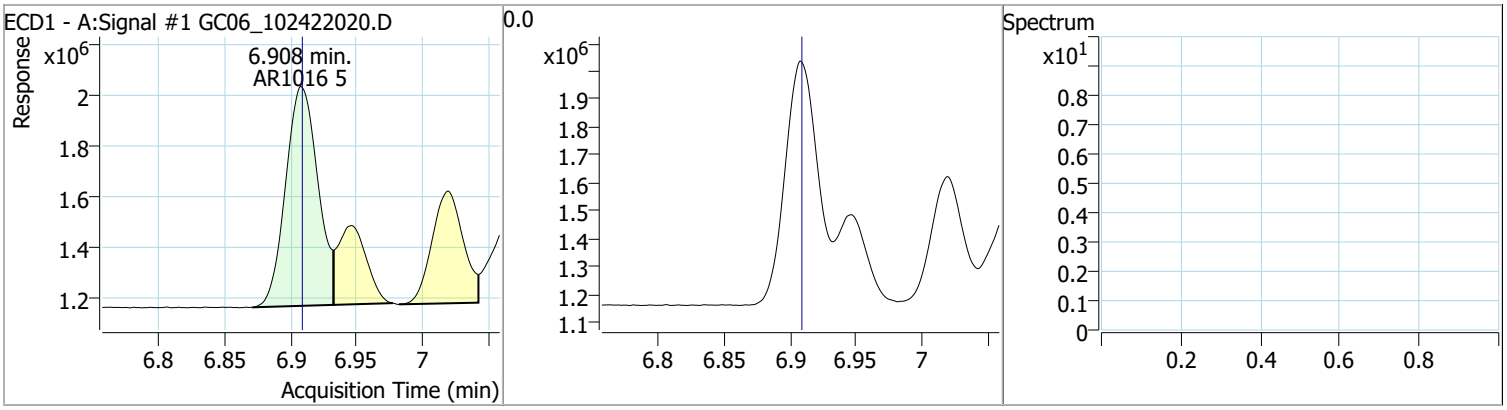
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	941.5536	6.43	0.00	1827466				



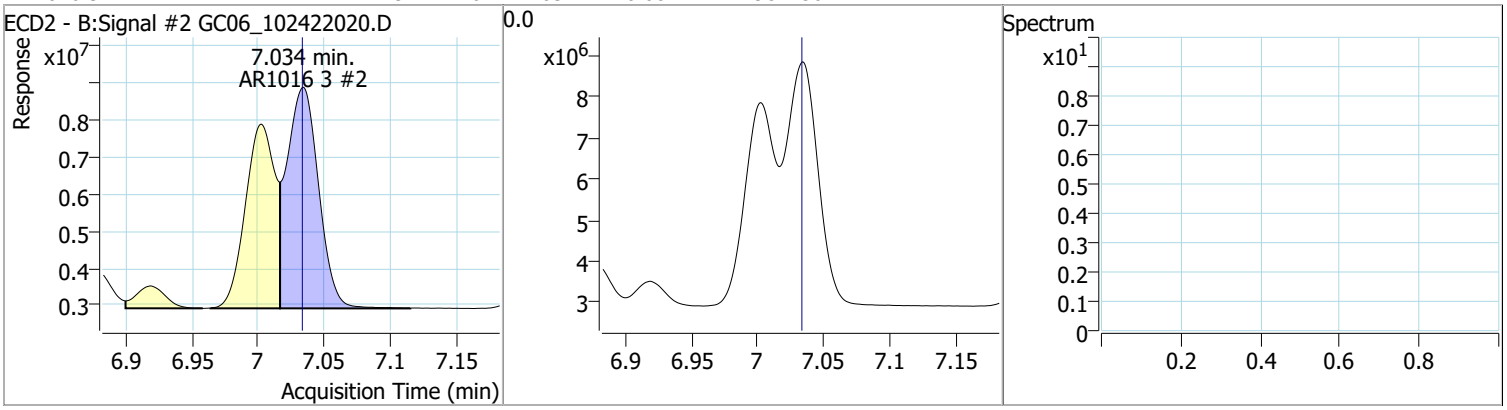
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	938.8589	6.45	0.00	5500389 (m)				



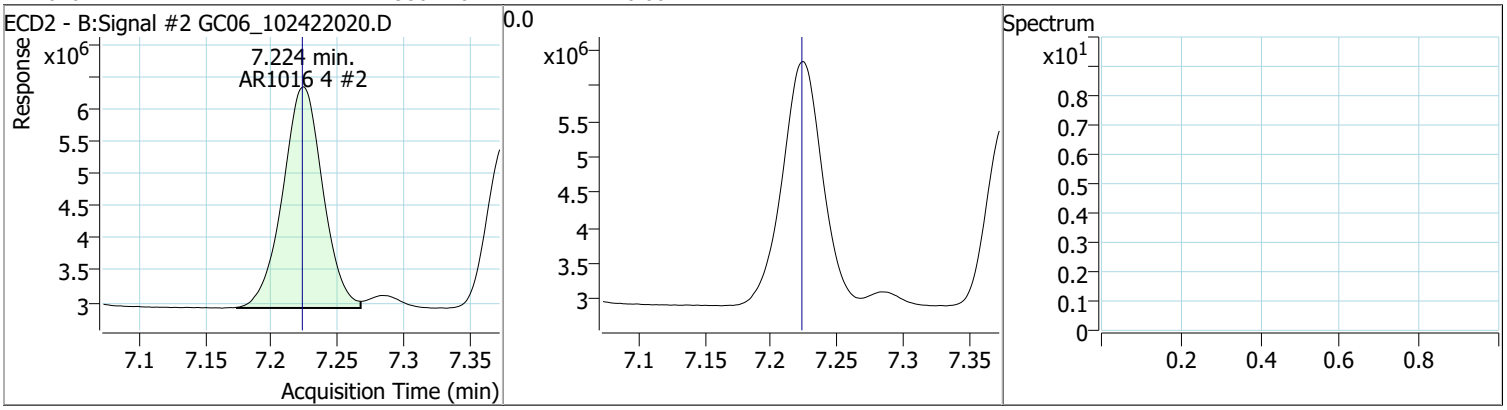
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	940.8682	6.91	0.00	1470873				



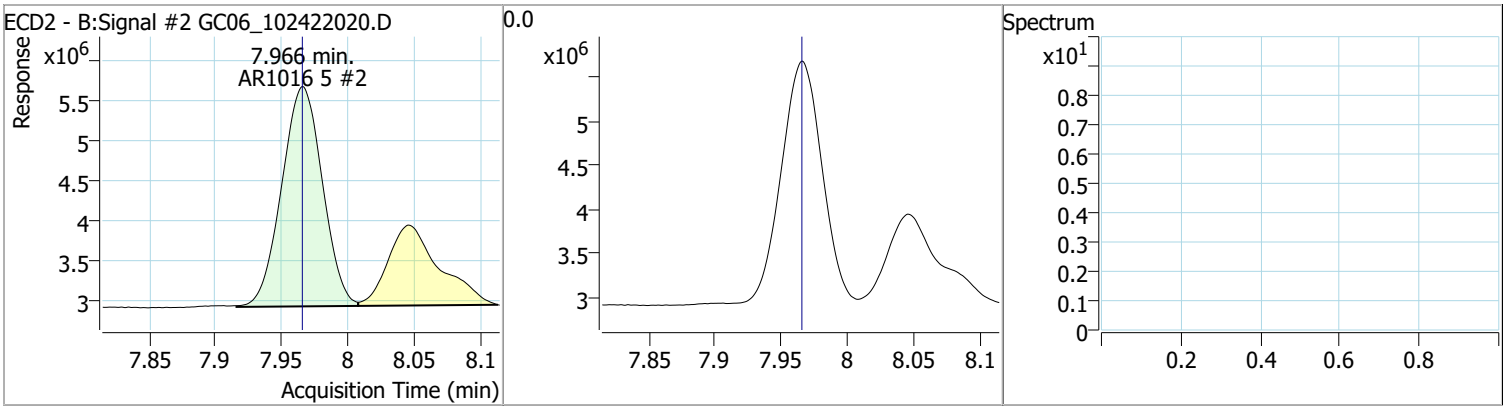
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	927.4276	7.03	0.00	9872562				



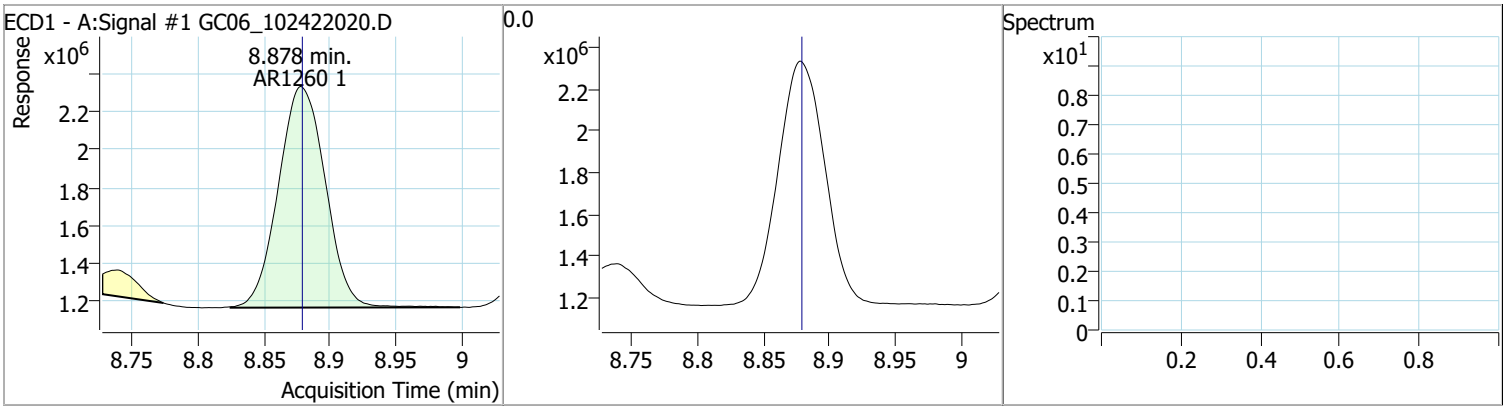
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	950.4102	7.22	0.00	7222771				



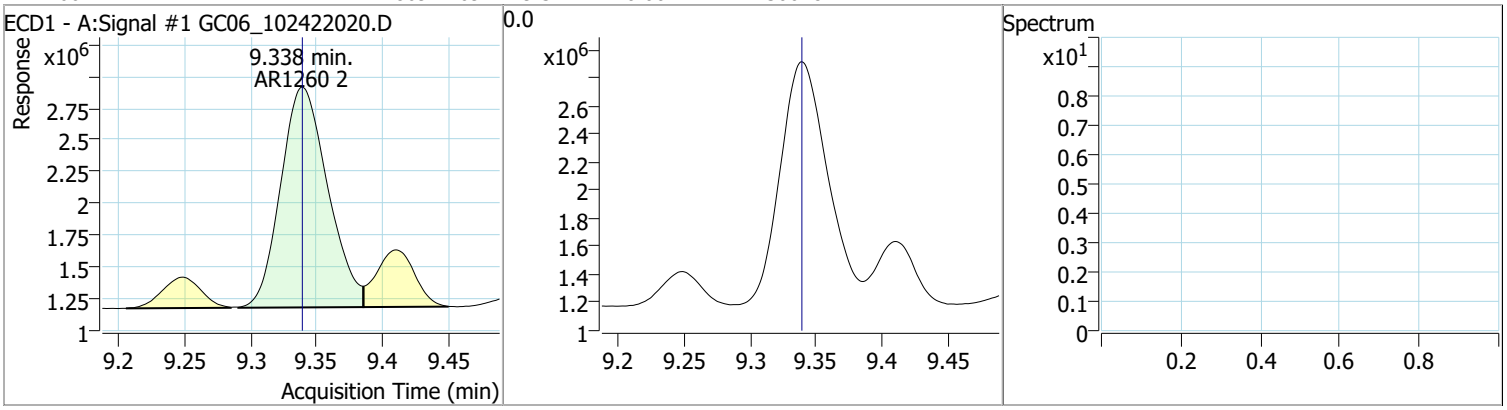
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	954.2439	7.97	0.00	5894671				



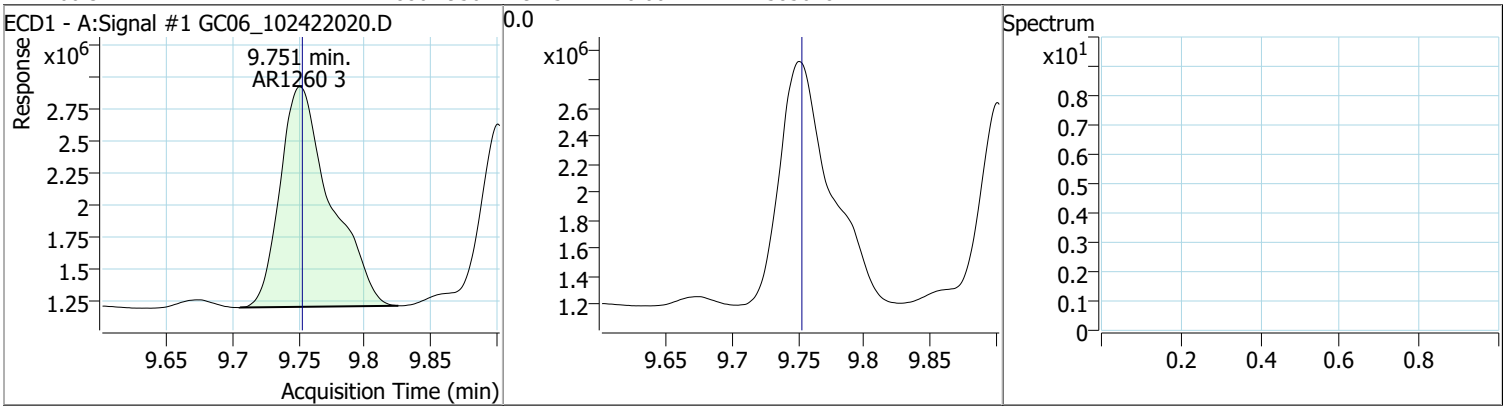
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	886.6594	8.88	0.00	2877986				



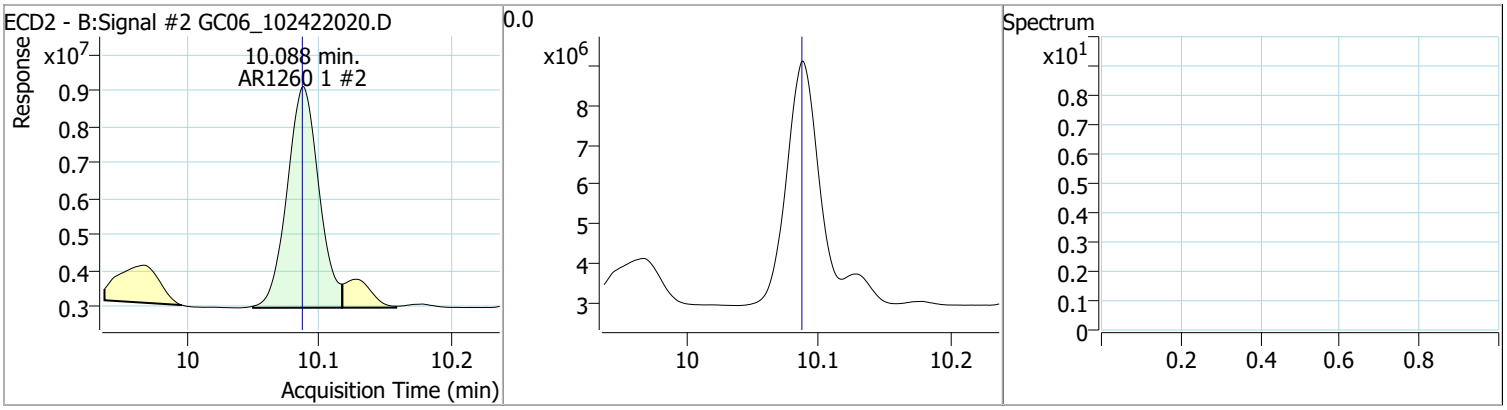
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	869.2209	9.34	0.00	4300287				



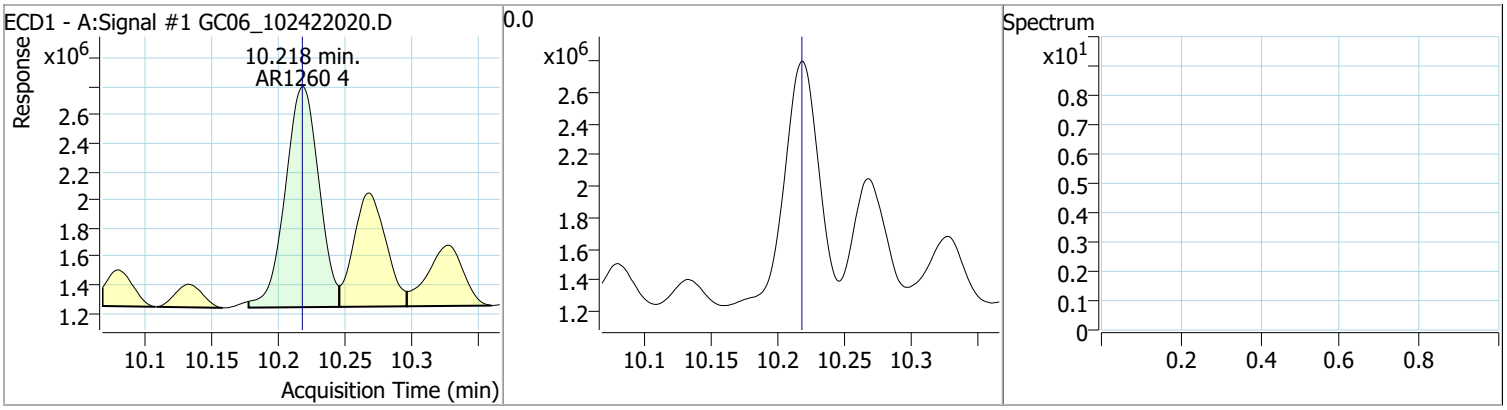
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	886.7956	9.75	0.00	4585618				



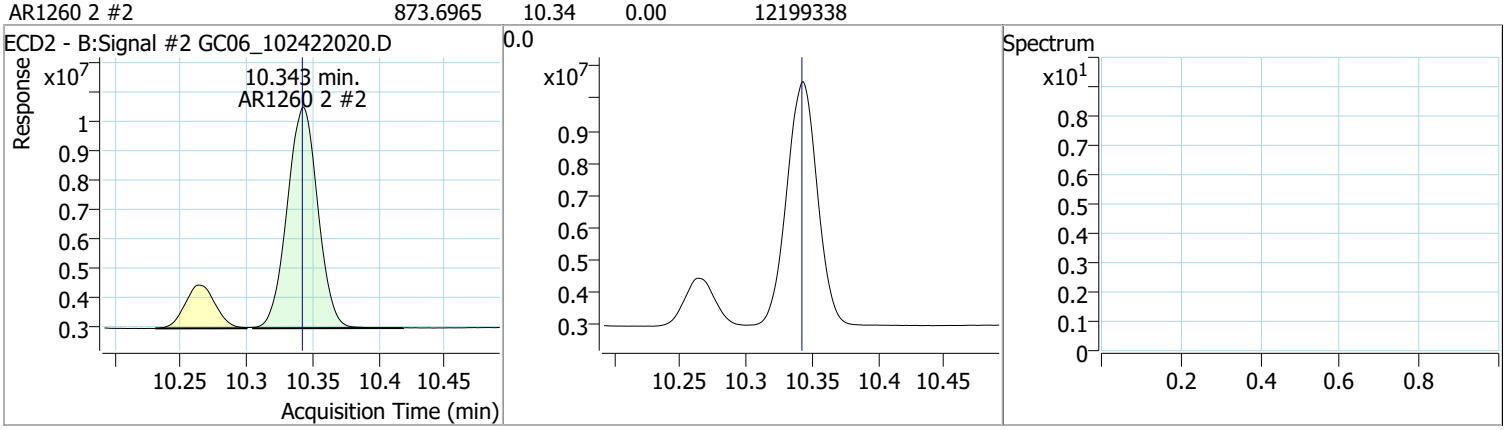
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	885.3872	10.09	0.00	10289089				



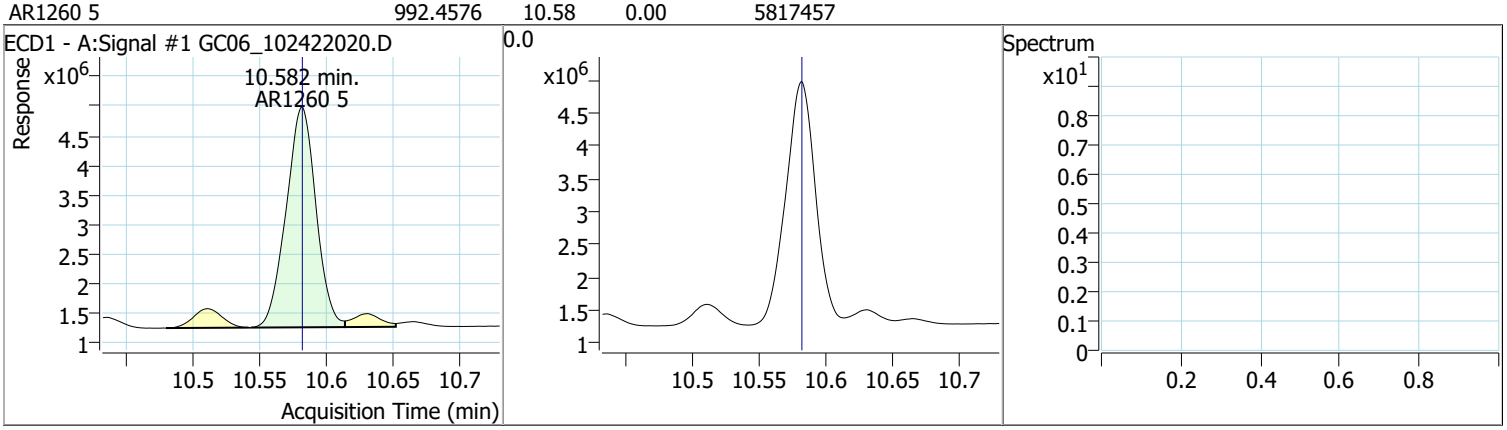
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	988.8343	10.22	0.00	2742861				



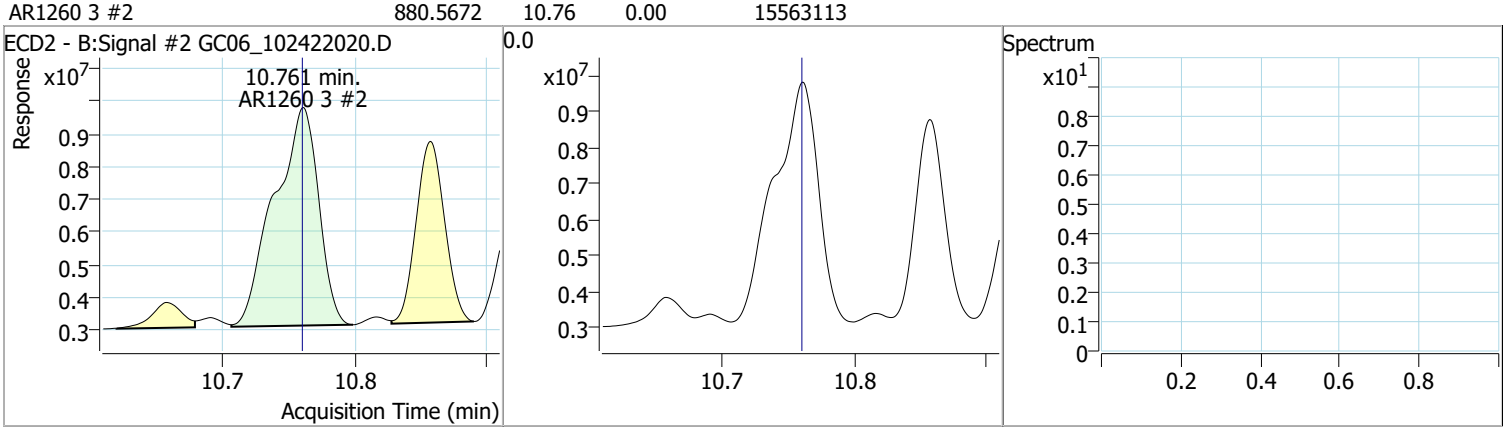
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	873.6965	10.34	0.00	12199338				



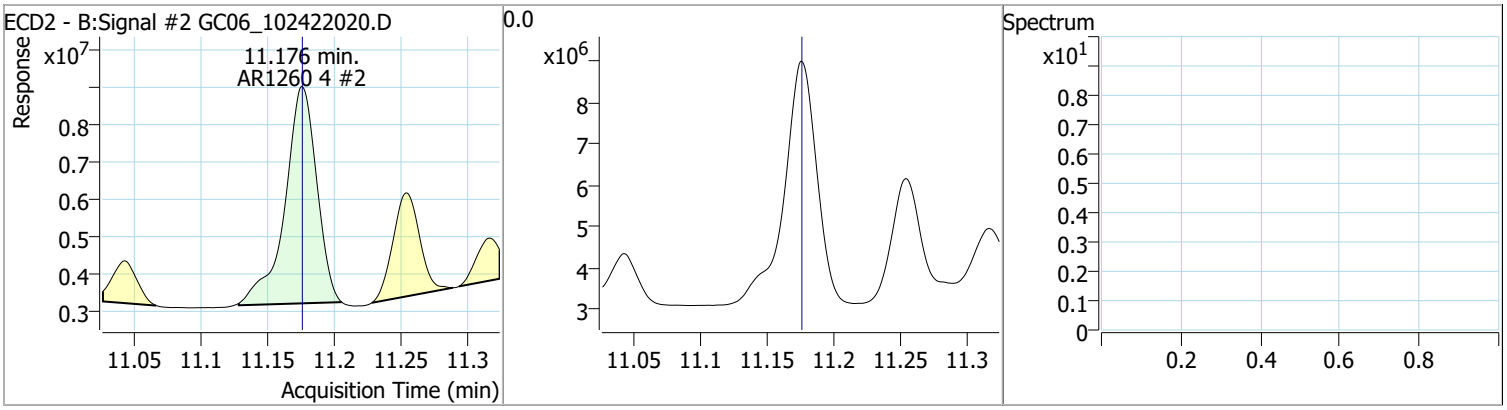
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	992.4576	10.58	0.00	5817457				



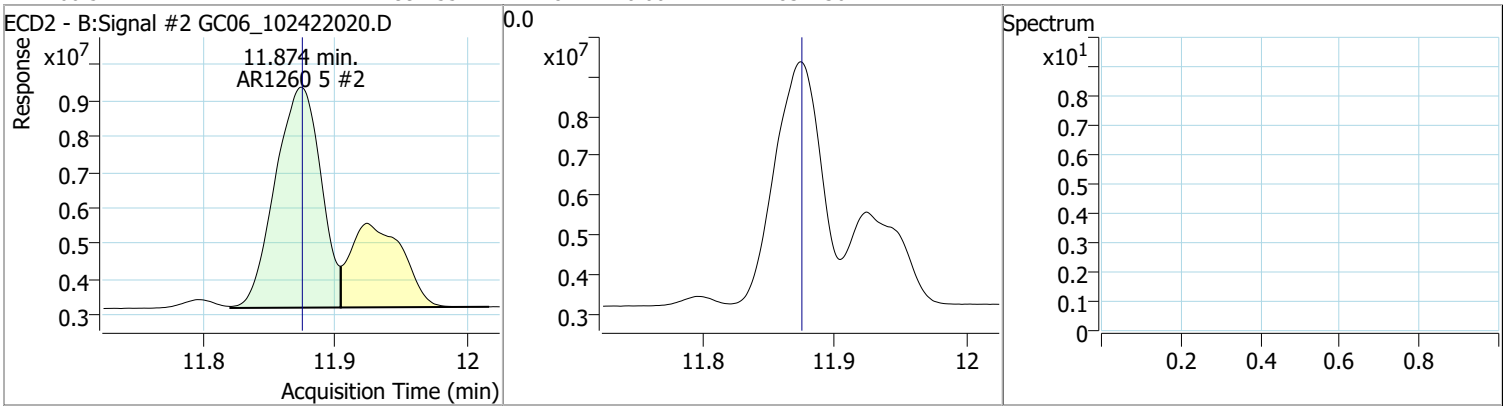
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	880.5672	10.76	0.00	15563113				



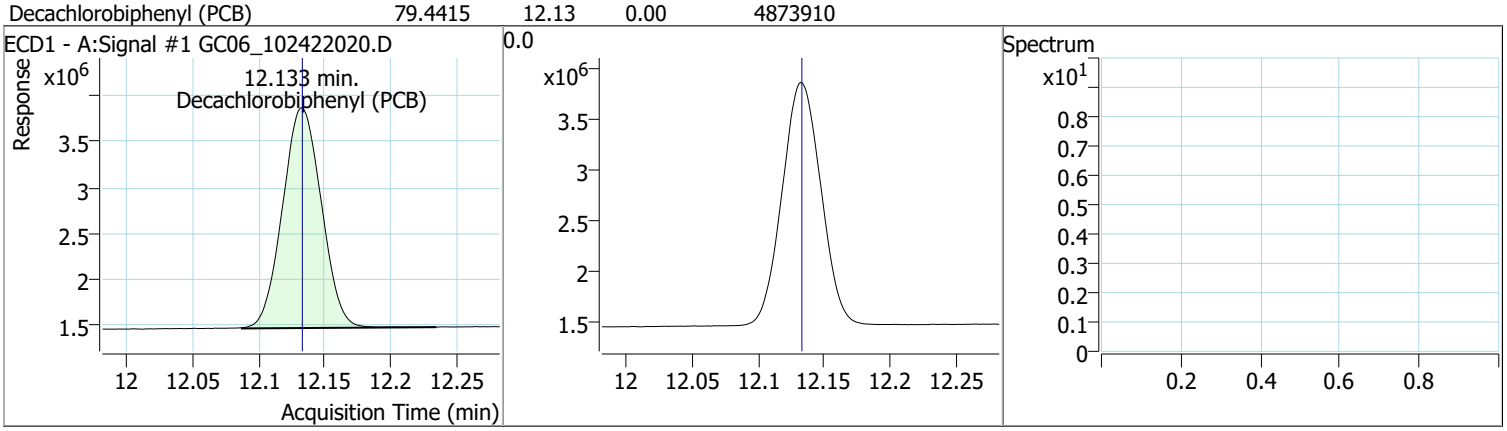
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	974.1517	11.18	0.00	9679021				



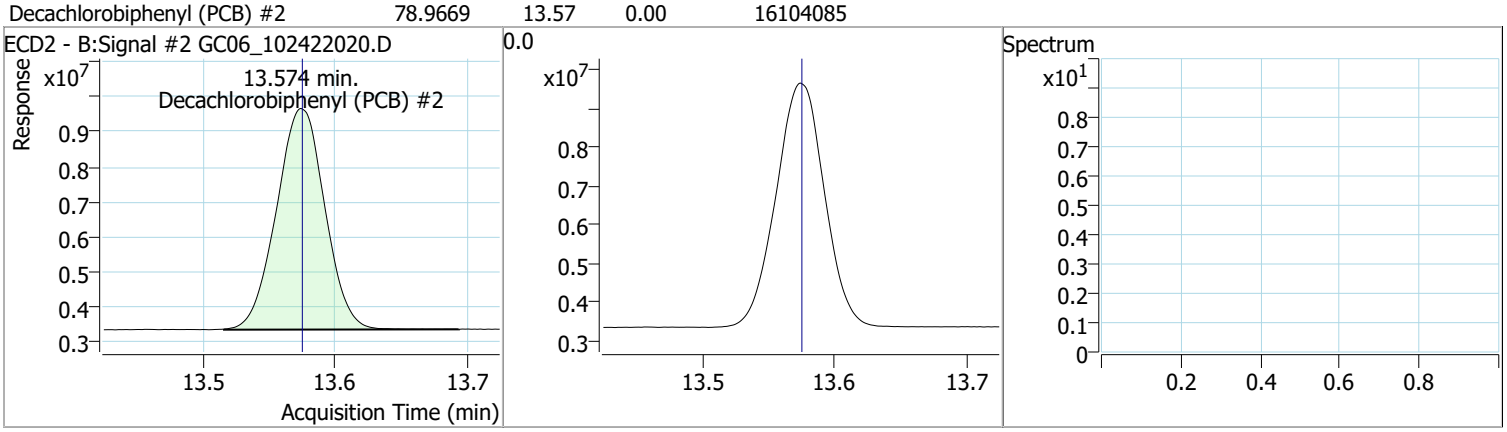
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	991.5511	11.87	0.00	14837736				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	79.4415	12.13	0.00	4873910				

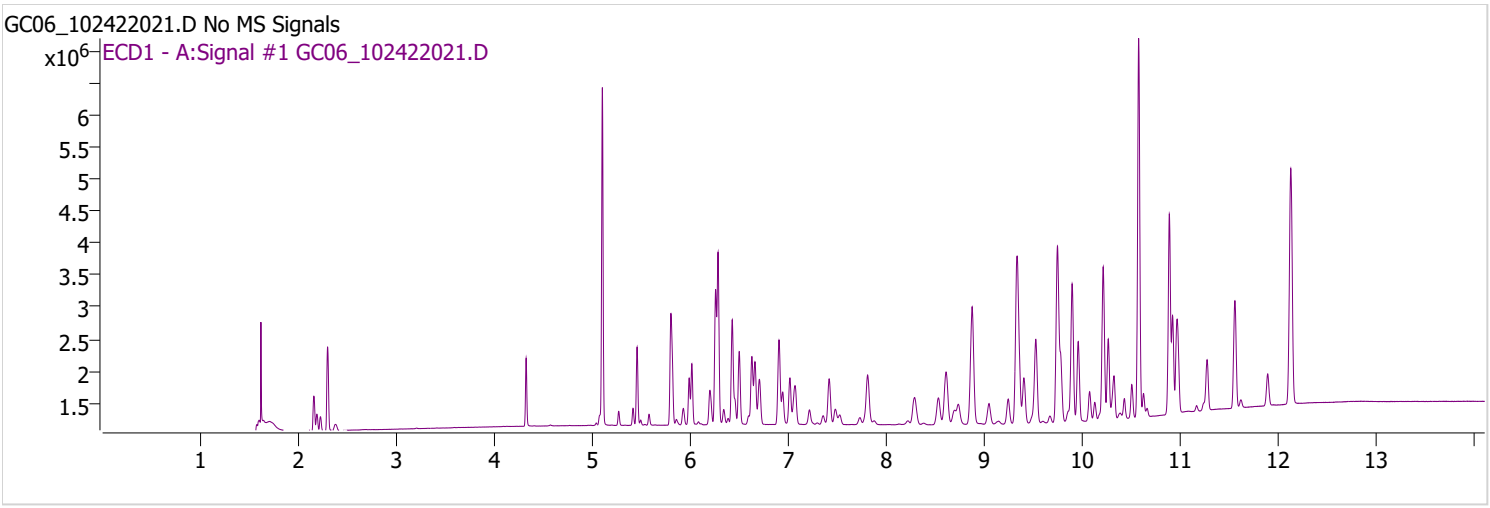


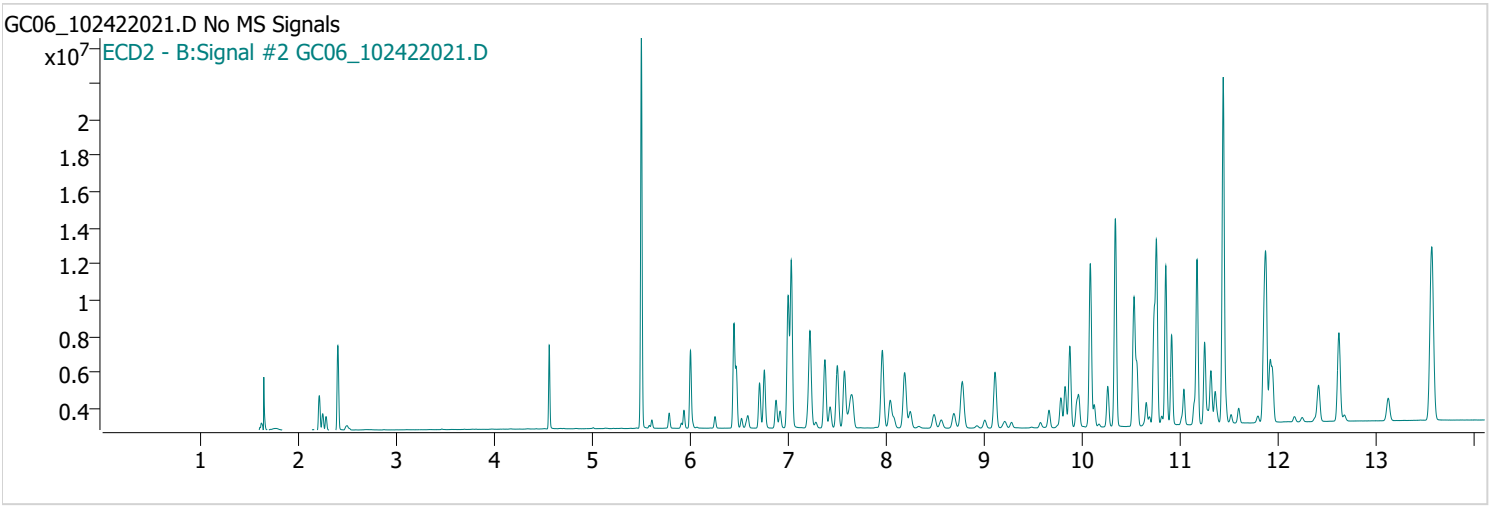
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	78.9669	13.57	0.00	16104085				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422021.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 7:31:42 PM
Sample Name	ICAL, S17270	Instrument	SVOA-GC06
Vial	18	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



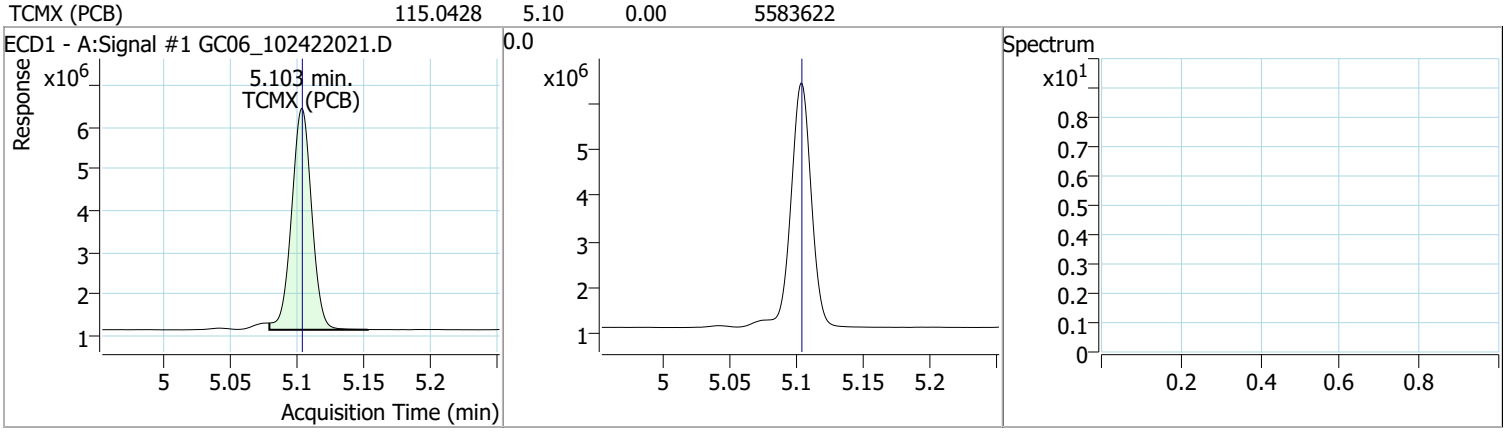


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1009505.147	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.561	0.0	4057066.575	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	5583622.088	115.0428	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 575.21%		*	
S TCMX (PCB) #2	5.502	0.0	23031168.075	118.2063	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 591.03%		*	
S Decachlorobiphenyl (PCB)	12.134	0.0	7593776.012	119.7892	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 598.95%		*	
S Decachlorobiphenyl (PCB) #2	13.573	0.0	25131513.397	119.6729	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 598.36%		*	
Target Compounds							QValue

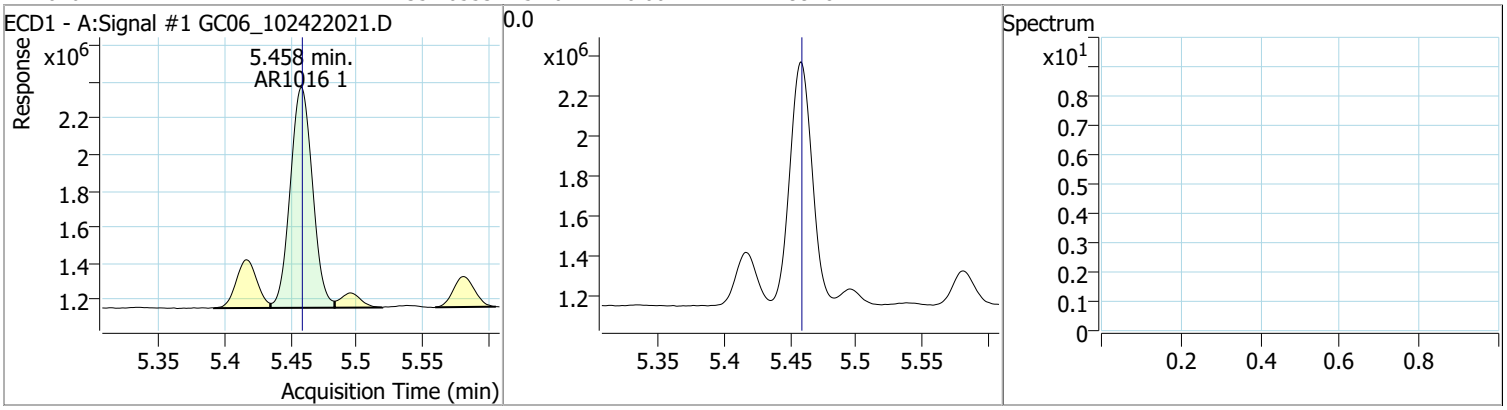
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.458	0.0	1429948.327	1351.0553	ng/ml		100
T AR1016 2	5.804	0.0	3030710.898	1424.7519	ng/ml		100
T AR1016 1 #2	6.003	0.0	5721647.171	1356.9347	ng/ml		100
T AR1016 3	6.285	0.0	3611169.947	1345.7155	ng/ml		100
T AR1016 4	6.430	0.0	2777407.544	1360.8515	ng/ml		100
T AR1016 2 #2	6.448	0.0	8221820.088	1350.7511	ng/ml	m	100
T AR1016 5	6.908	0.0	2242691.834	1364.2649	ng/ml		100
T AR1016 3 #2	7.033	0.0	15343105.691	1387.2792	ng/ml		100
T AR1016 4 #2	7.223	0.0	11004271.290	1393.6991	ng/ml		100
T AR1016 5 #2	7.963	0.0	9009188.371	1403.7375	ng/ml		100
T AR1260 1	8.880	0.0	4266432.480	1249.9957	ng/ml		100
T AR1260 2	9.339	0.0	6538469.983	1256.8526	ng/ml		100
T AR1260 3	9.751	0.0	7045185.682	1295.6677	ng/ml		100
T AR1260 1 #2	10.087	0.0	15645489.933	1295.8237	ng/ml		100
T AR1260 4	10.218	0.0	4208394.379	1449.9072	ng/ml		100
T AR1260 2 #2	10.343	0.0	18653948.726	1285.8656	ng/ml		100
T AR1260 5	10.580	0.0	9185947.111	1499.3950	ng/ml		100
T AR1260 3 #2	10.761	0.0	24133856.541	1314.2961	ng/ml		100
T AR1260 4 #2	11.177	0.0	14547609.435	1419.8121	ng/ml		100
T AR1260 5 #2	11.876	0.0	23188941.135	1500.9271	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

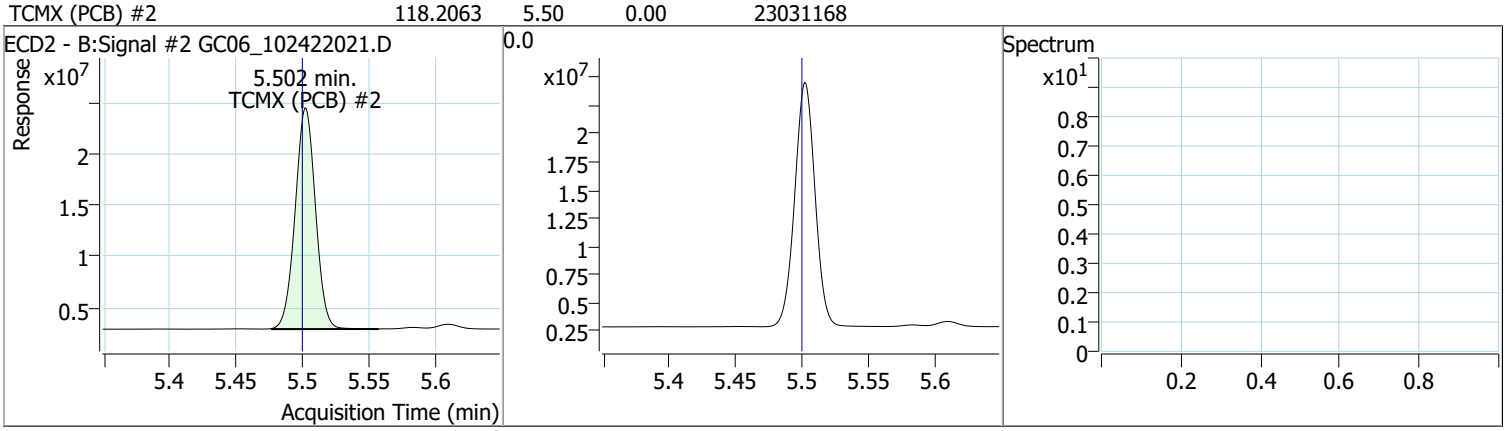
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	115.0428	5.10	0.00	5583622				



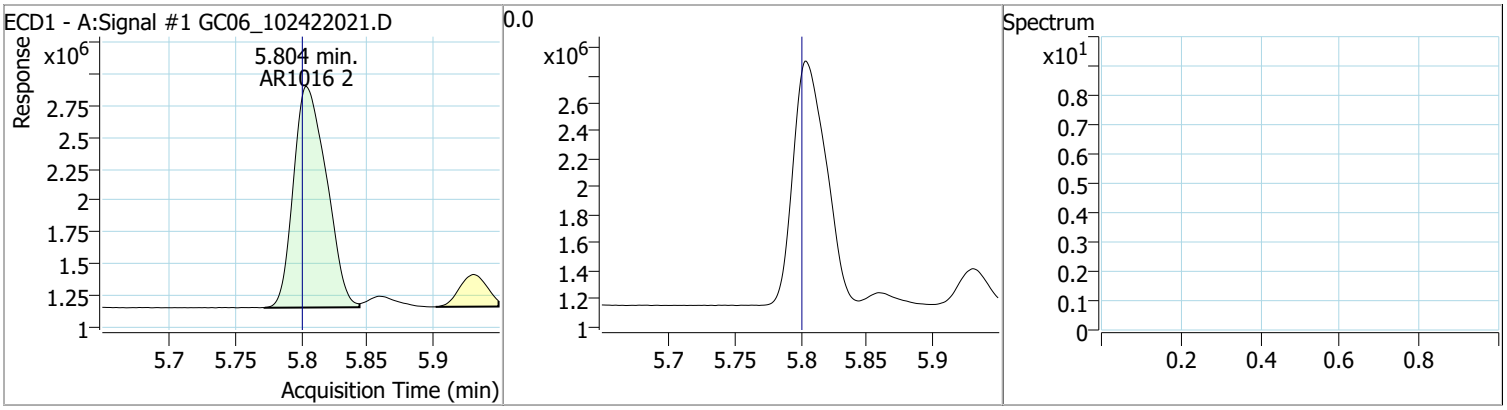
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1351.0553	5.46	0.00	1429948				



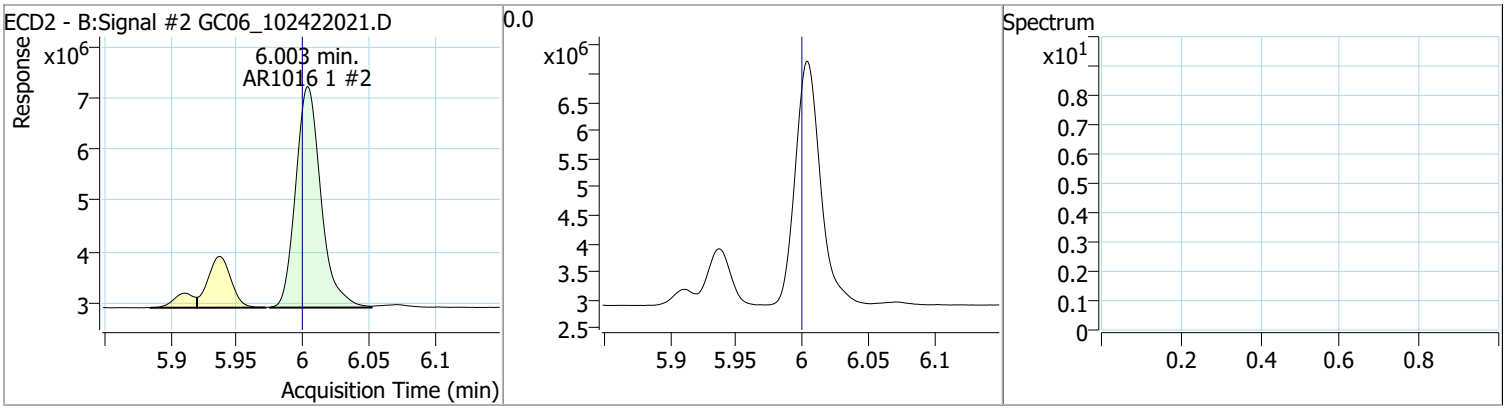
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	118.2063	5.50	0.00	23031168				



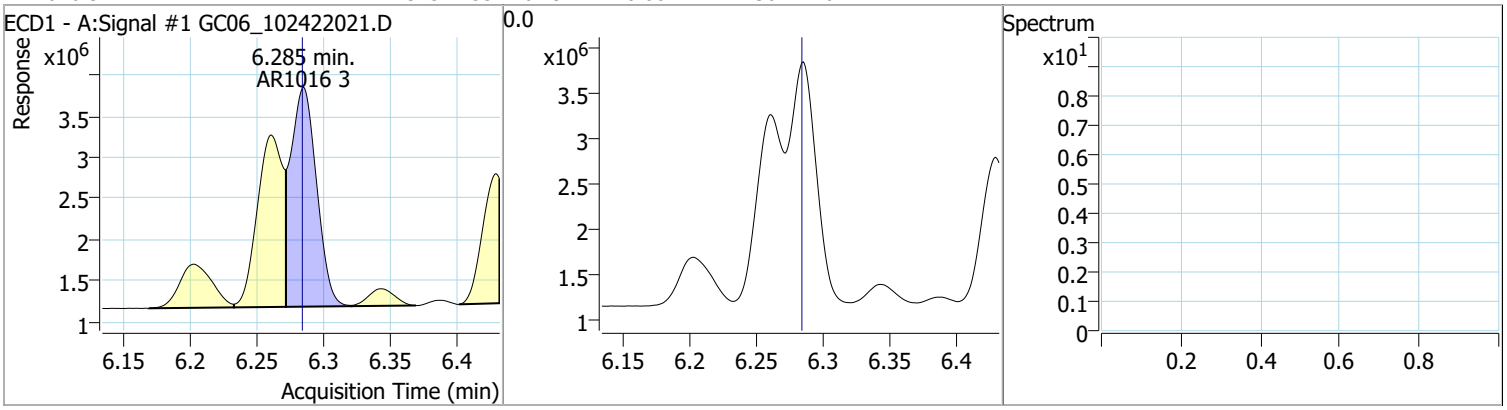
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1424.7519	5.80	0.00	3030711				



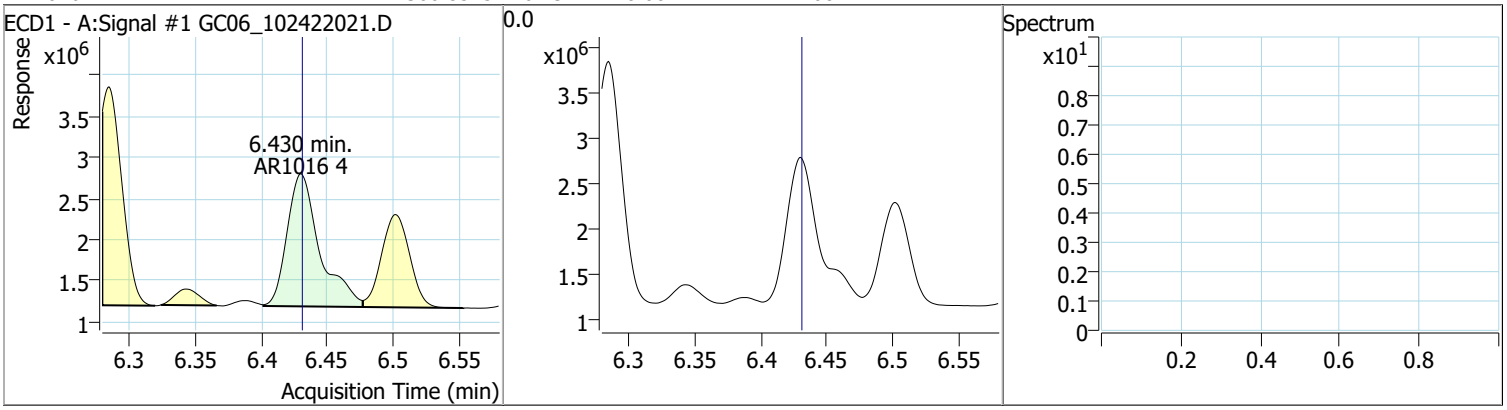
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1356.9347	6.00	0.00	5721647				



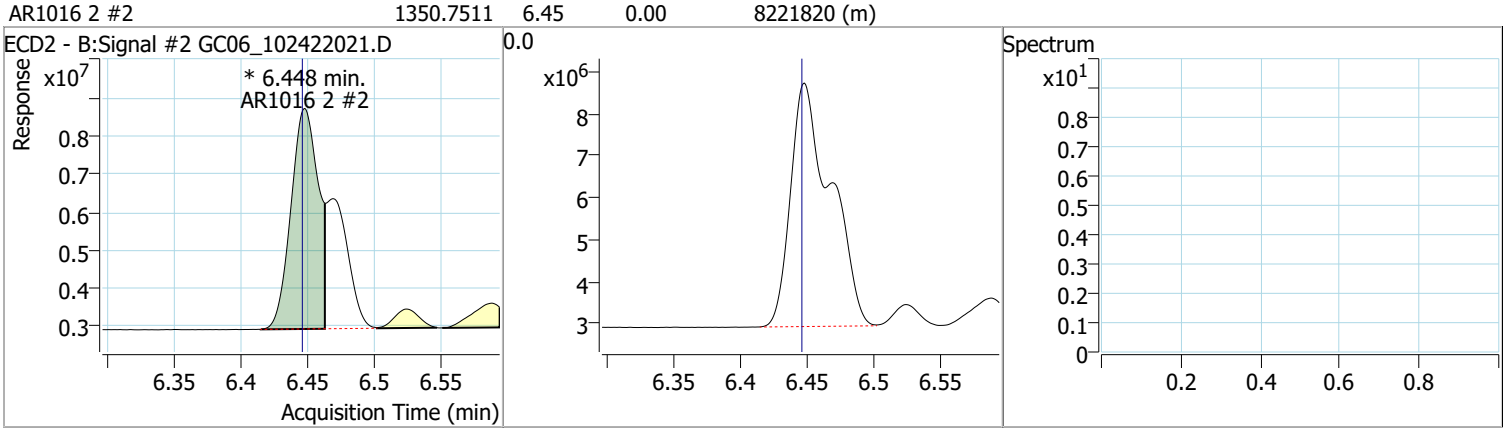
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1345.7155	6.29	0.00	3611170				



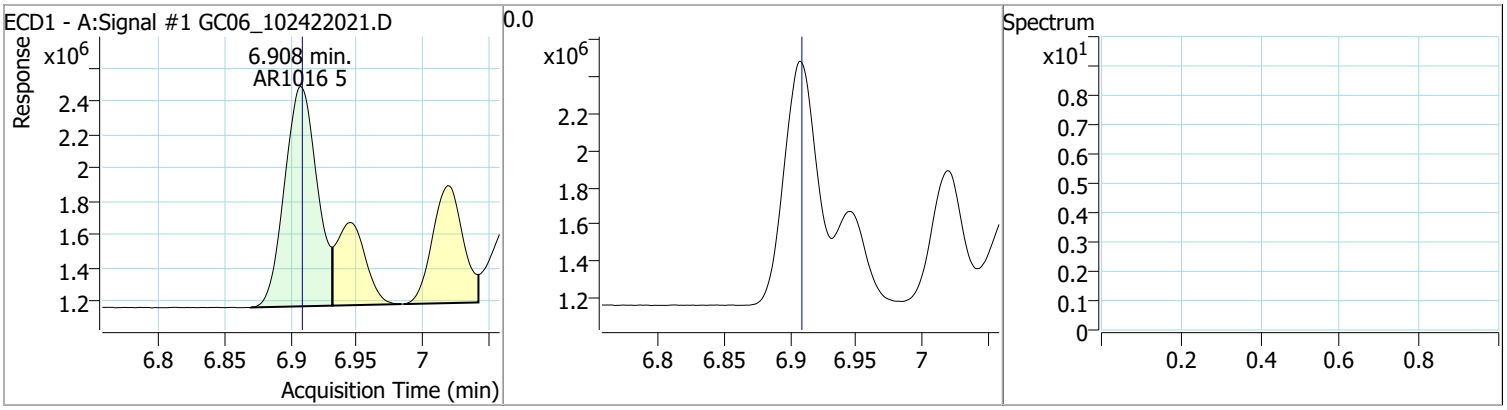
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1360.8515	6.43	0.00	2777408				



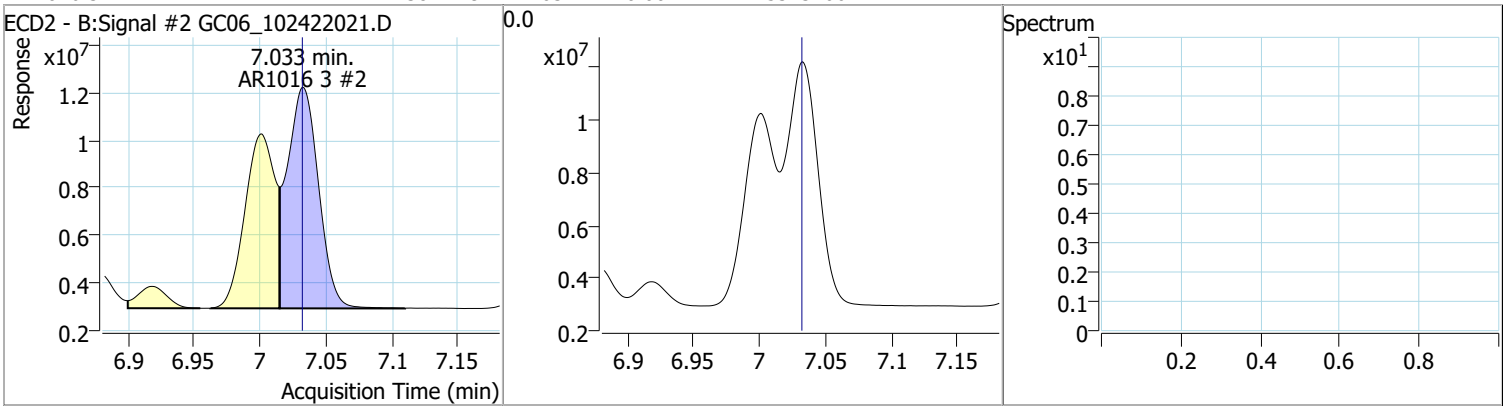
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1350.7511	6.45	0.00	8221820 (m)				



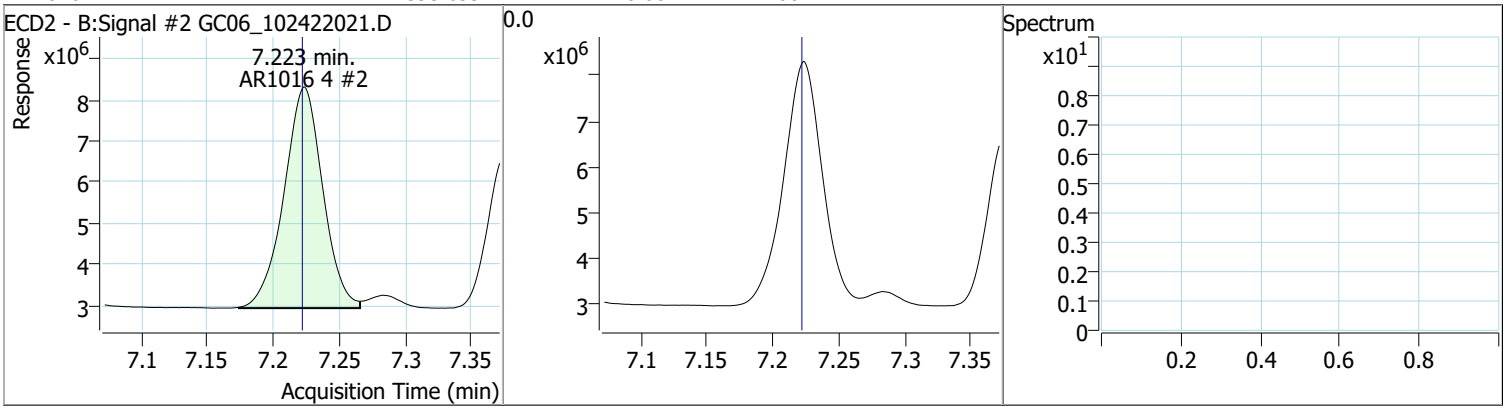
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1364.2649	6.91	0.00	2242692				



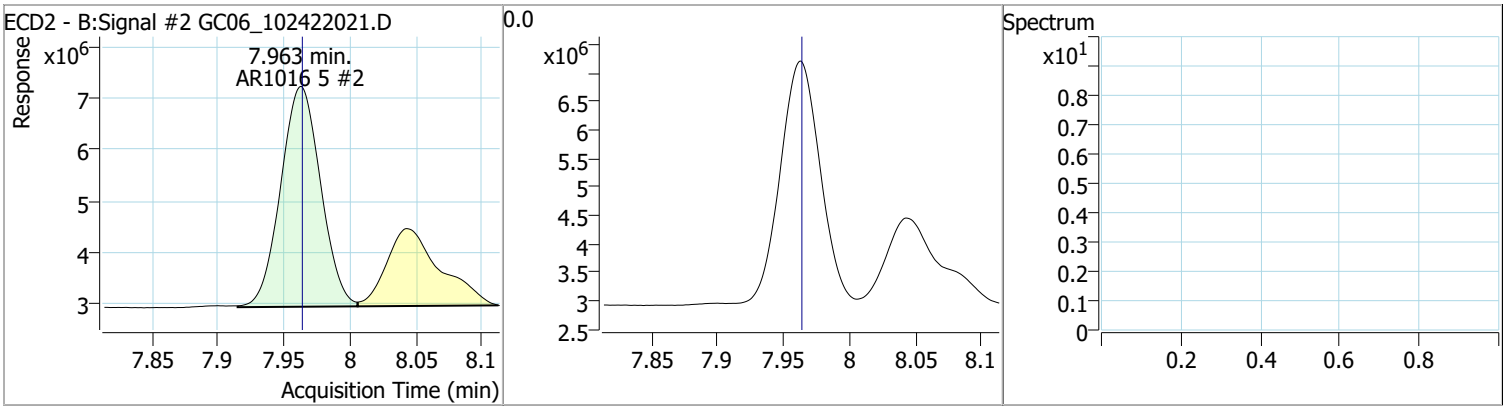
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1387.2792	7.03	0.00	15343106				



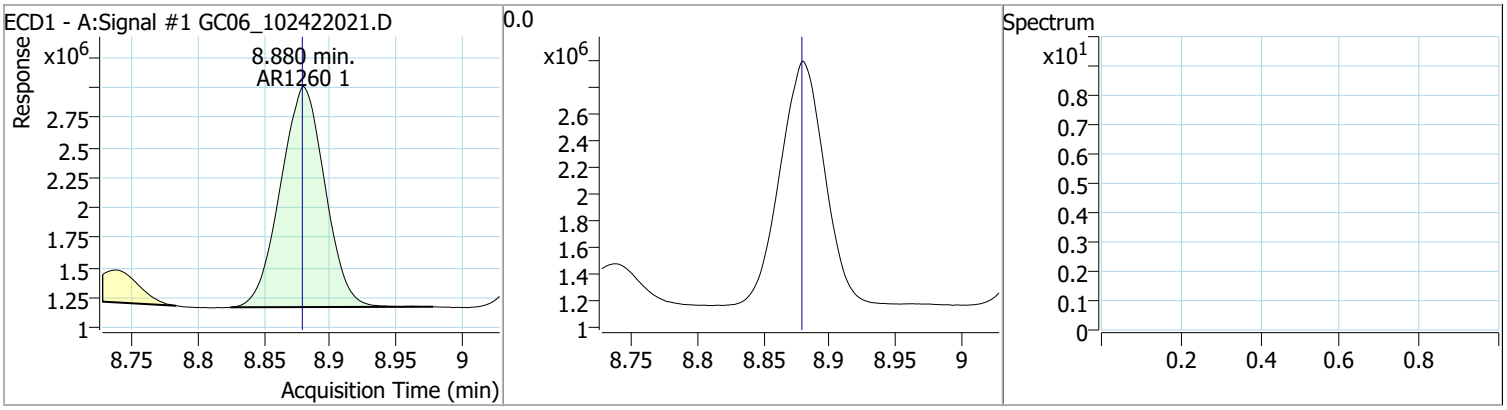
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1393.6991	7.22	0.00	11004271				



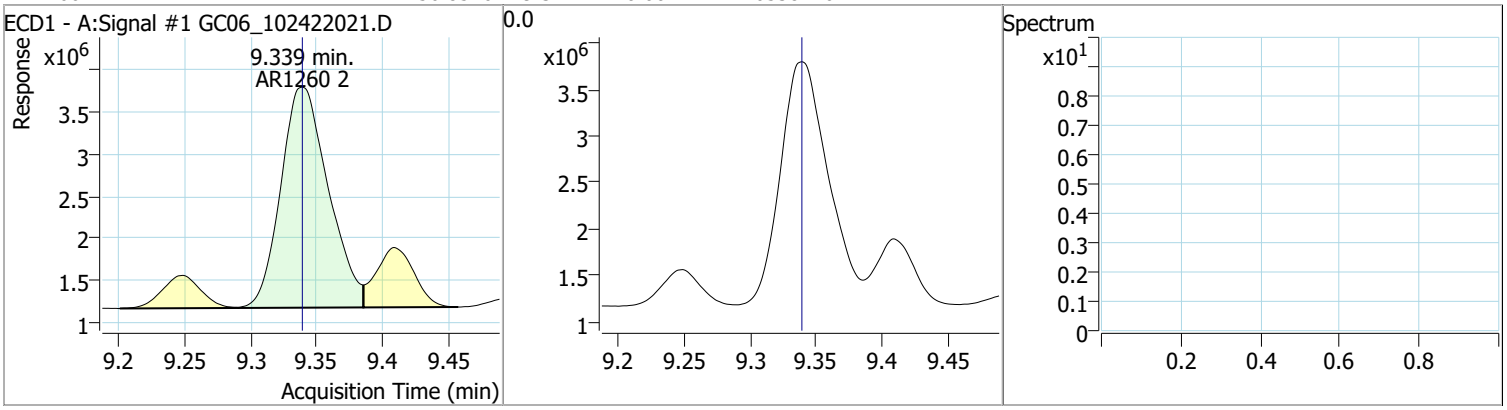
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1403.7375	7.96	0.00	9009188				



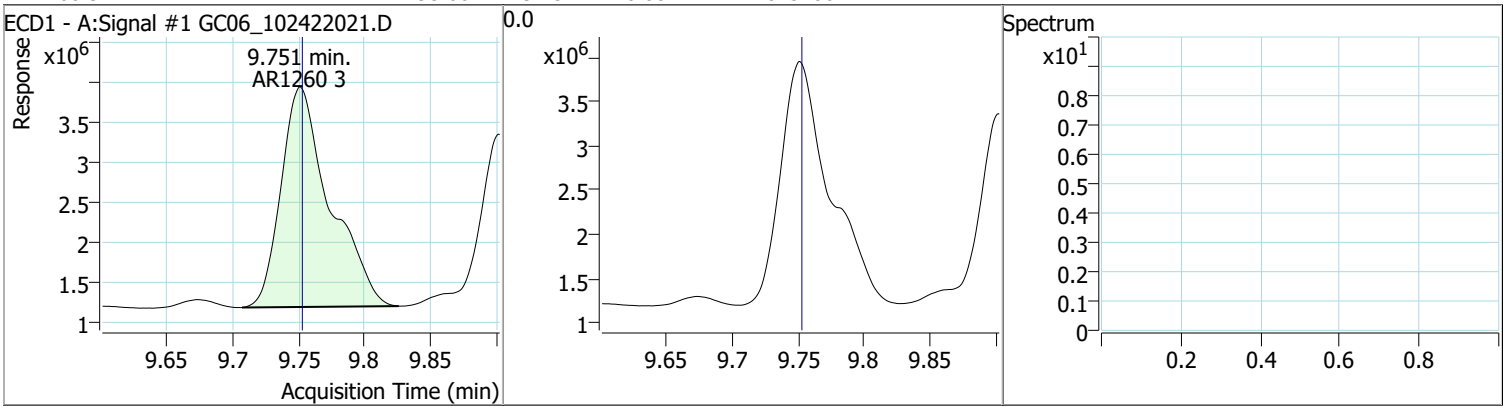
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1249.9957	8.88	0.00	4266432				



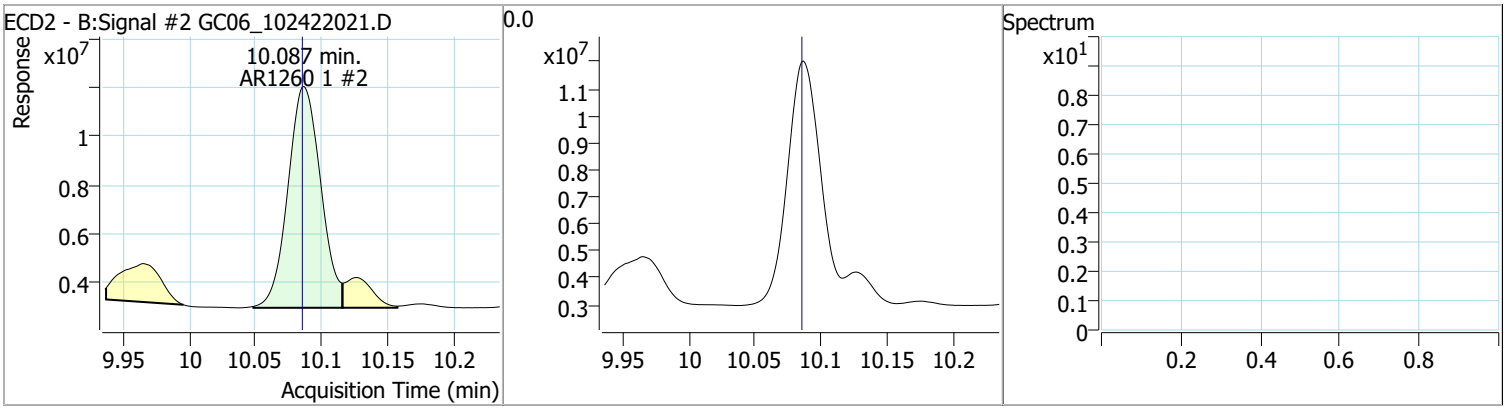
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1256.8526	9.34	0.00	6538470				



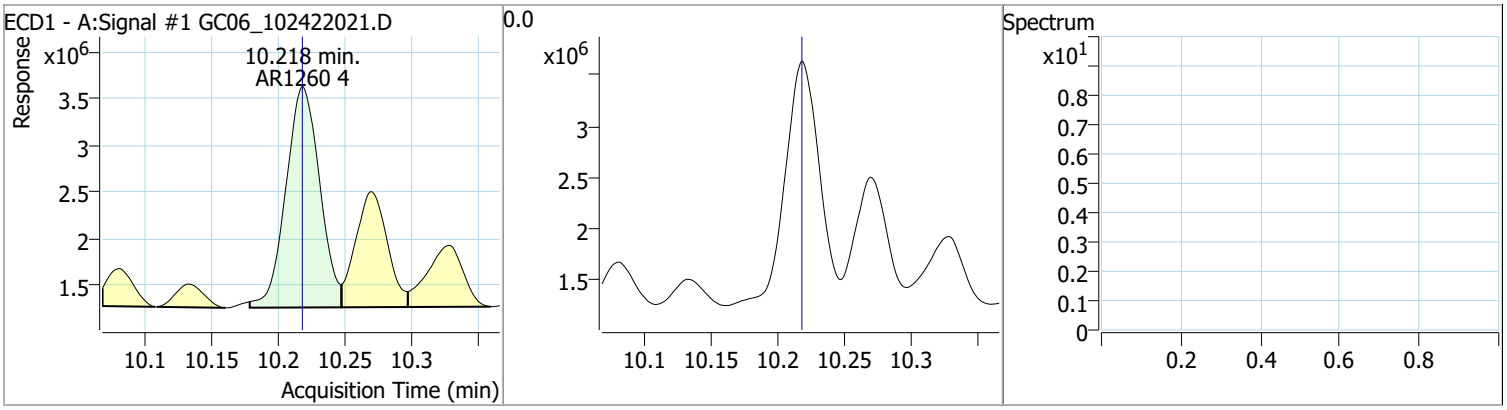
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1295.6677	9.75	0.00	7045186				



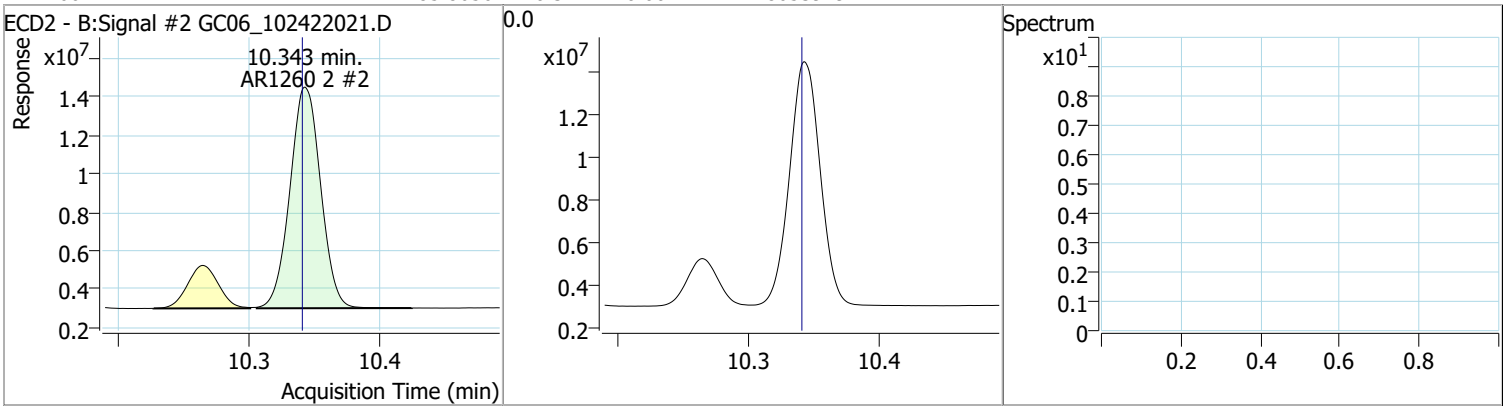
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1295.8237	10.09	0.00	15645490				



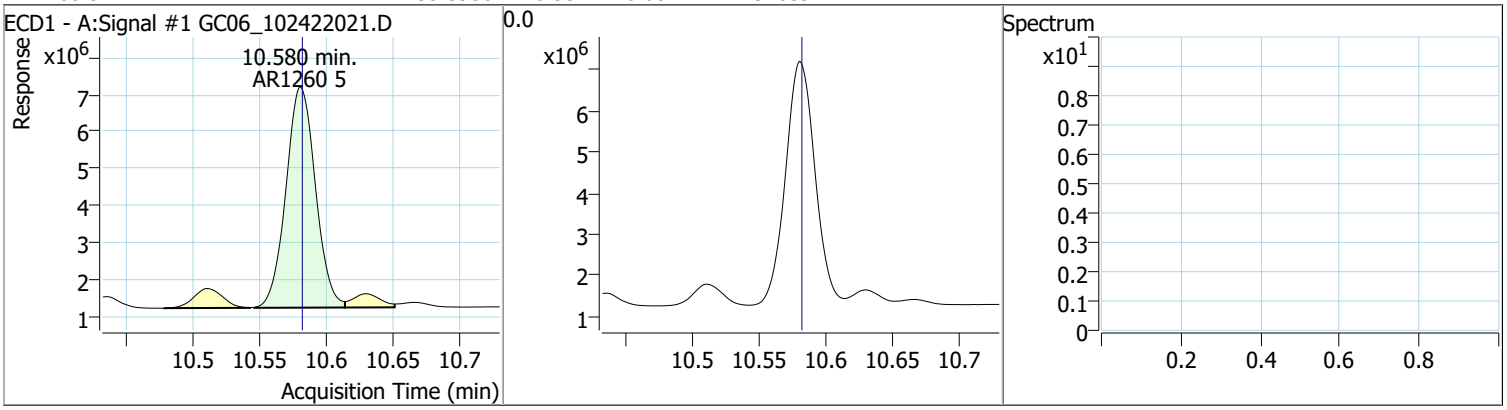
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1449.9072	10.22	0.00	4208394				



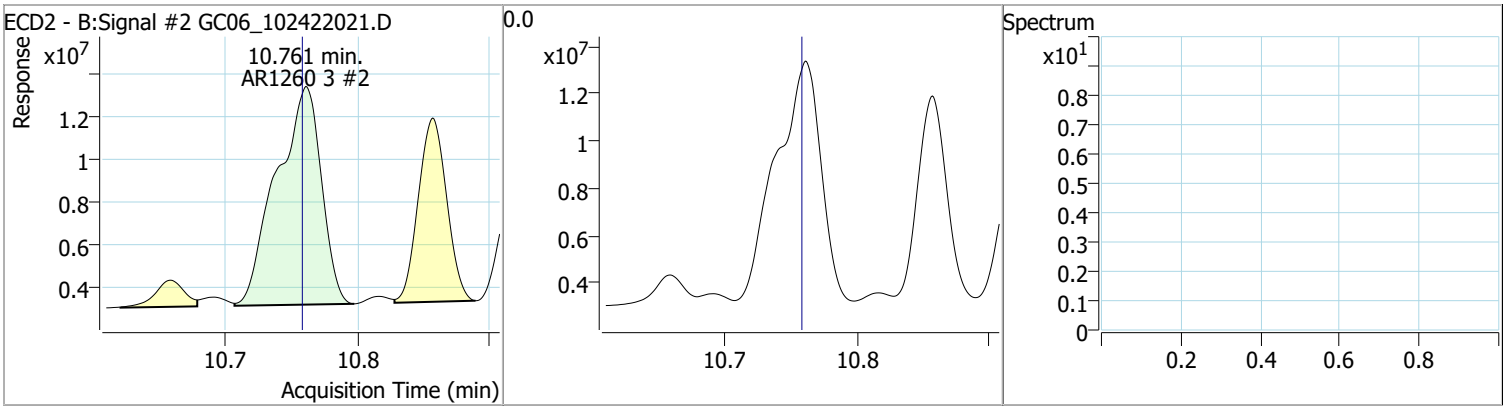
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1285.8656	10.34	0.00	18653949				



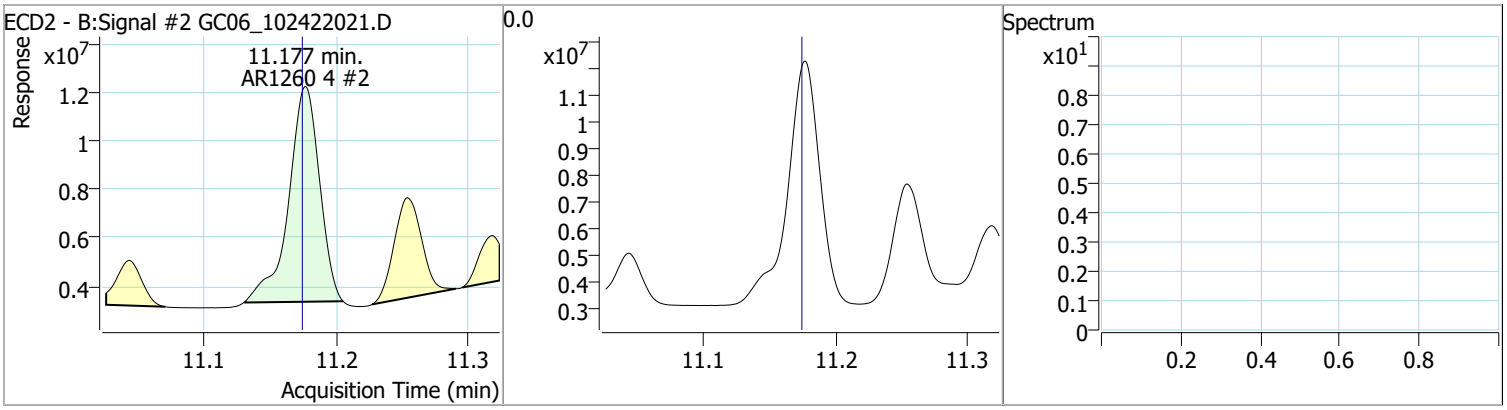
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1499.3950	10.58	0.00	9185947				



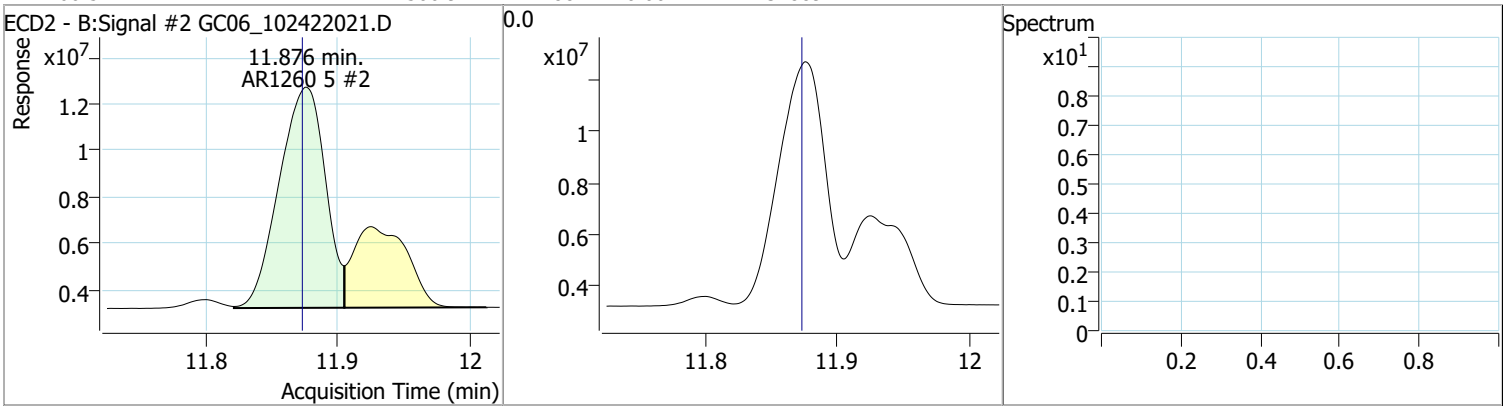
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1314.2961	10.76	0.00	24133857				



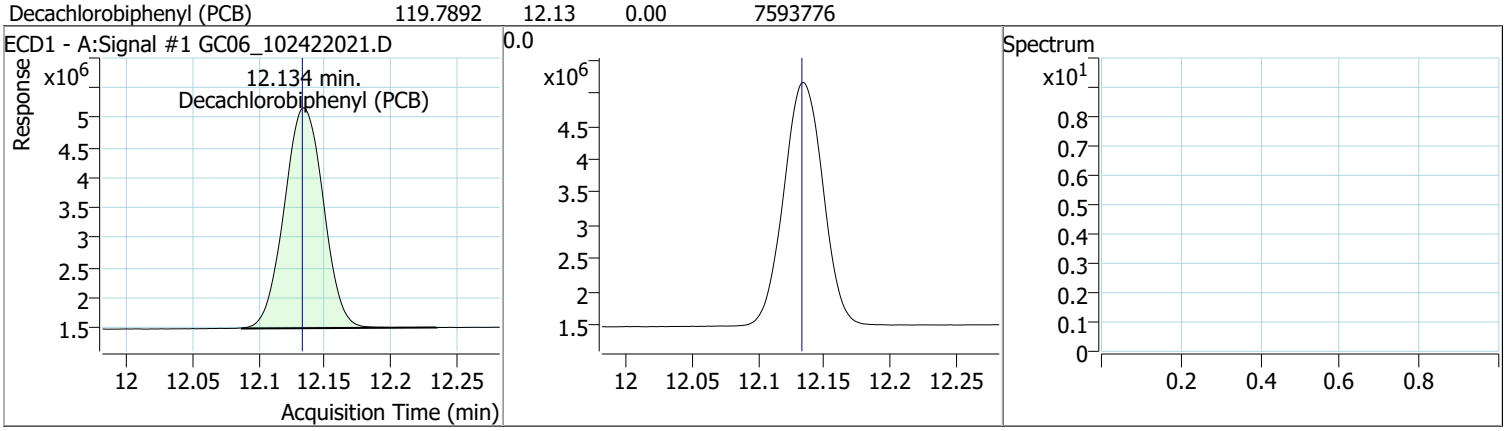
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1419.8121	11.18	0.00	14547609				



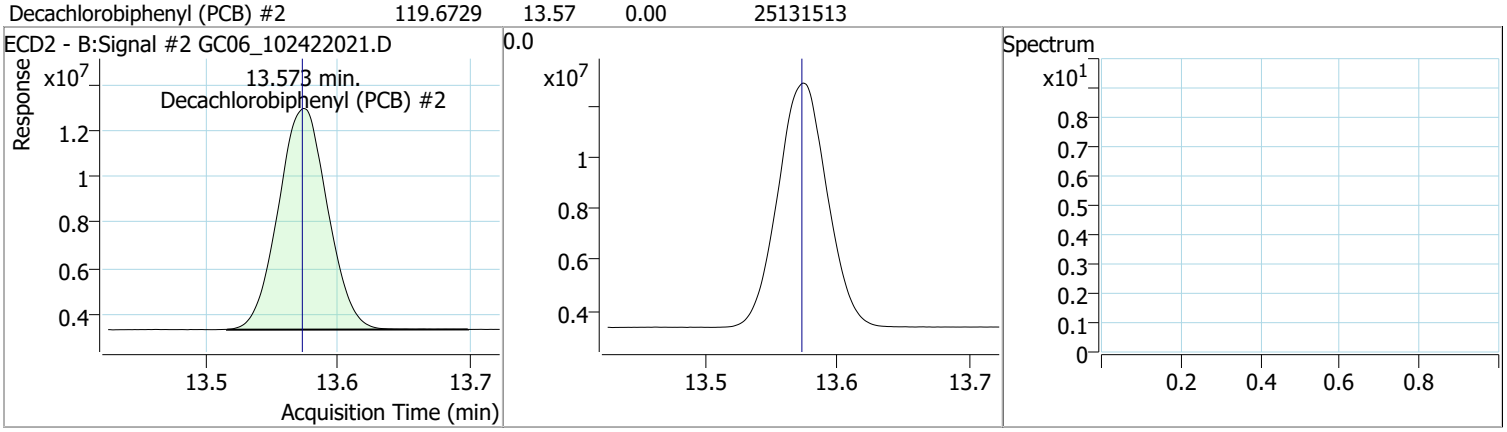
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1500.9271	11.88	0.00	23188941				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	119.7892	12.13	0.00	7593776				

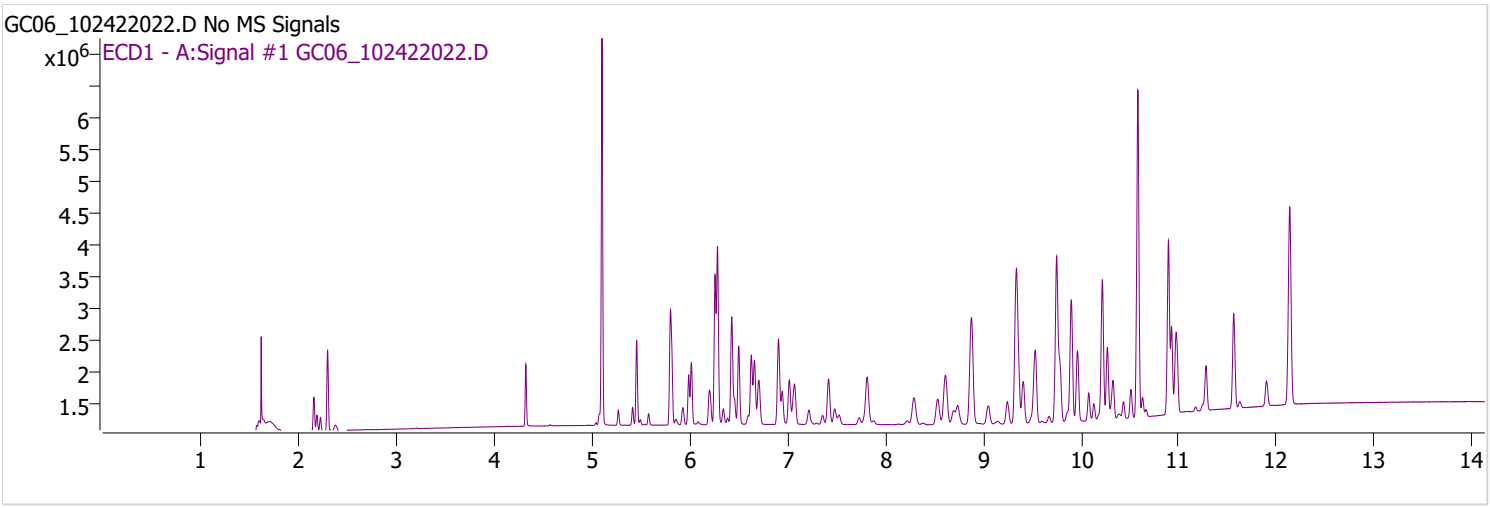


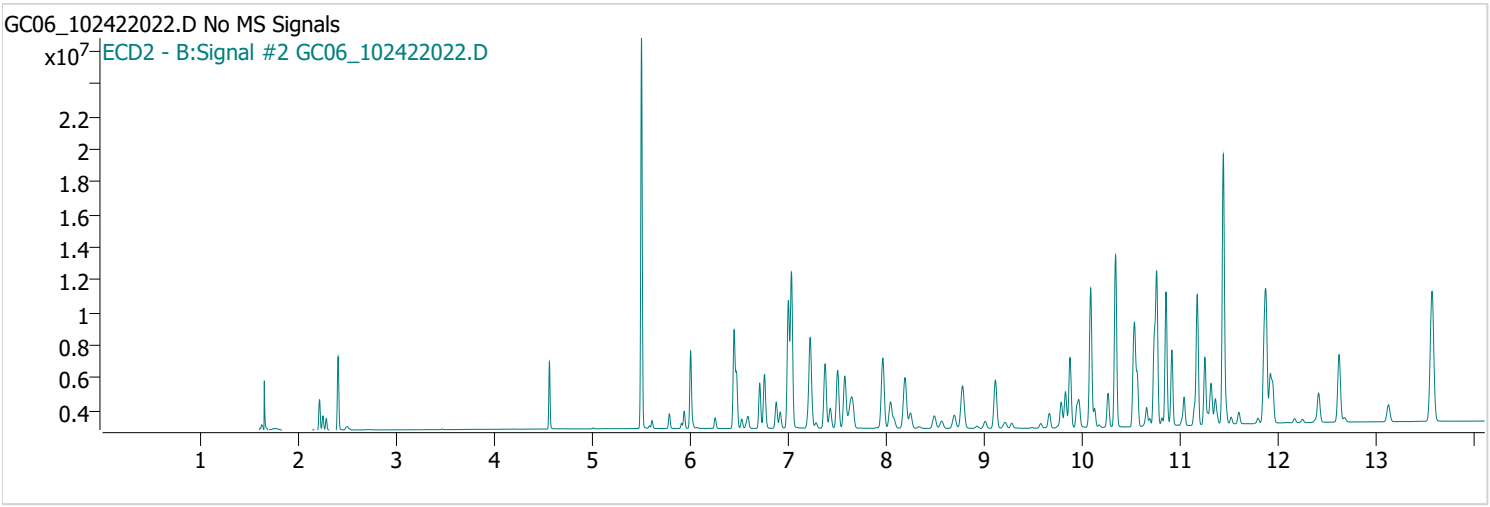
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	119.6729	13.57	0.00	25131513				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422022.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 7:49:40 PM
Sample Name	ICAL, S17271	Instrument	SVOA-GC06
Vial	19	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



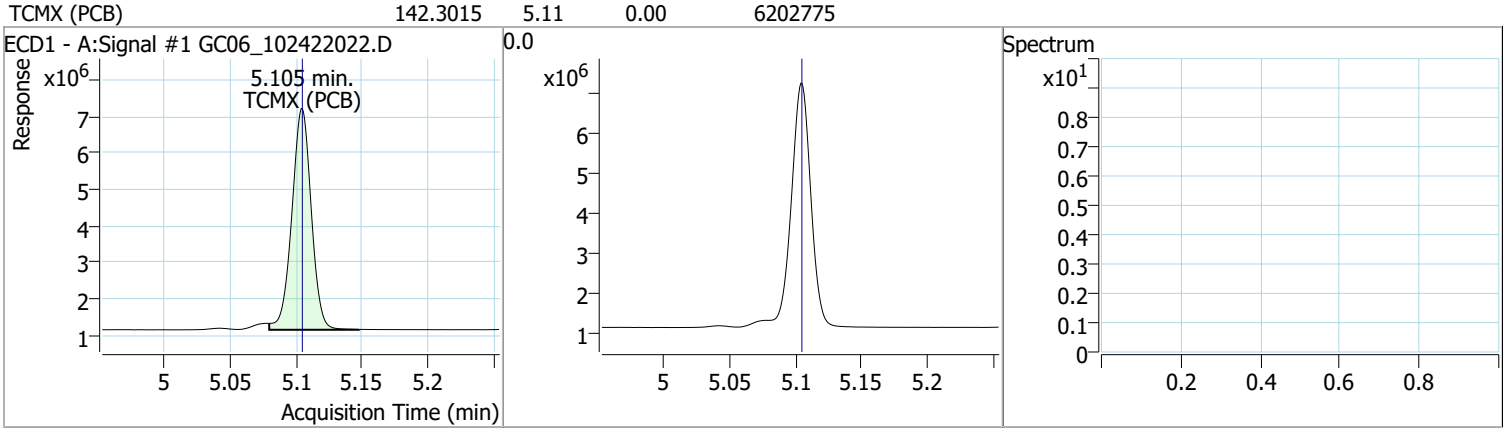


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.326	0.0	906626.221	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	3691149.717	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.105	0.0	6202774.952	142.3015	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 711.51%		*	
S TCMX (PCB) #2	5.503	0.0	25651002.263	144.7037	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 723.52%		*	
S Decachlorobiphenyl (PCB)	12.134	0.0	6098843.349	106.6672	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 533.34%		*	
S Decachlorobiphenyl (PCB) #2	13.573	0.0	20258174.033	105.7889	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 528.94%		*	
Target Compounds							QValue

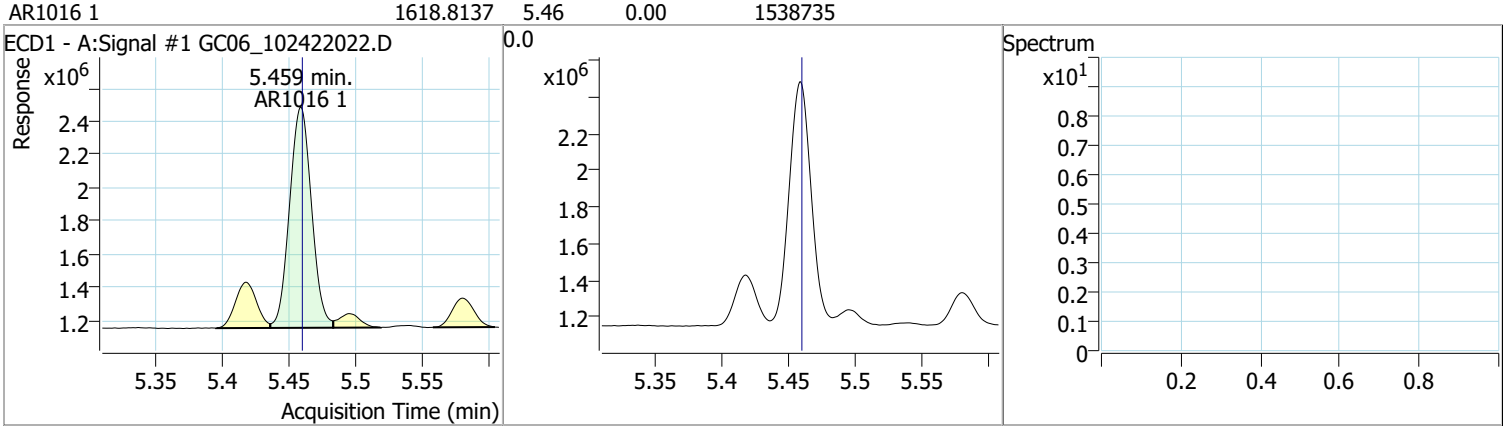
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.459	0.0	1538734.960	1618.8137	ng/ml		100
T AR1016 2	5.805	0.0	3184204.270	1669.3851	ng/ml		100
T AR1016 1 #2	6.003	0.0	6194471.019	1614.7027	ng/ml		100
T AR1016 3	6.285	0.0	3827451.052	1588.1636	ng/ml		100
T AR1016 4	6.431	0.0	2903211.966	1583.9087	ng/ml		100
T AR1016 2 #2	6.448	0.0	8887205.164	1604.8078	ng/ml	m	100
T AR1016 5	6.908	0.0	2292606.771	1552.8837	ng/ml		100
T AR1016 3 #2	7.033	0.0	15846370.157	1574.8198	ng/ml		100
T AR1016 4 #2	7.223	0.0	11463840.690	1595.8363	ng/ml		100
T AR1016 5 #2	7.966	0.0	9161537.220	1568.9859	ng/ml		100
T AR1260 1	8.881	0.0	4117618.549	1343.2907	ng/ml		100
T AR1260 2	9.341	0.0	6106282.504	1306.9692	ng/ml		100
T AR1260 3	9.752	0.0	6524007.873	1335.9676	ng/ml		100
T AR1260 1 #2	10.088	0.0	14980655.669	1363.7603	ng/ml		100
T AR1260 4	10.219	0.0	3788830.282	1453.5184	ng/ml		100
T AR1260 2 #2	10.343	0.0	17403792.021	1318.6185	ng/ml		100
T AR1260 5	10.582	0.0	8046003.993	1461.9072	ng/ml		100
T AR1260 3 #2	10.761	0.0	22258325.428	1332.3228	ng/ml		100
T AR1260 4 #2	11.176	0.0	13342427.945	1431.4709	ng/ml		100
T AR1260 5 #2	11.873	0.0	20128855.663	1431.1606	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

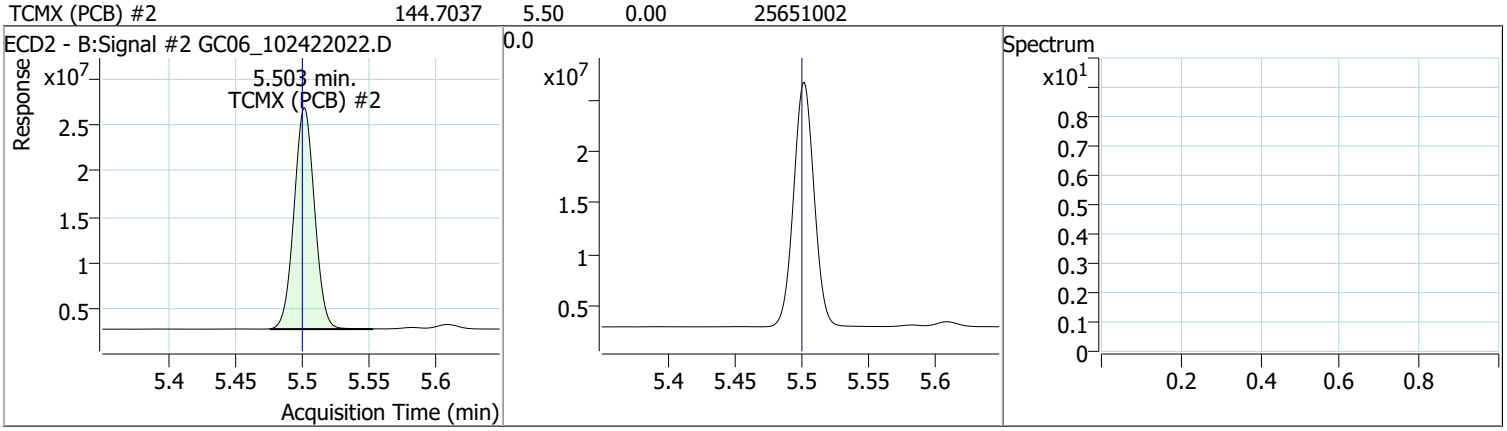
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	142.3015	5.11	0.00	6202775				



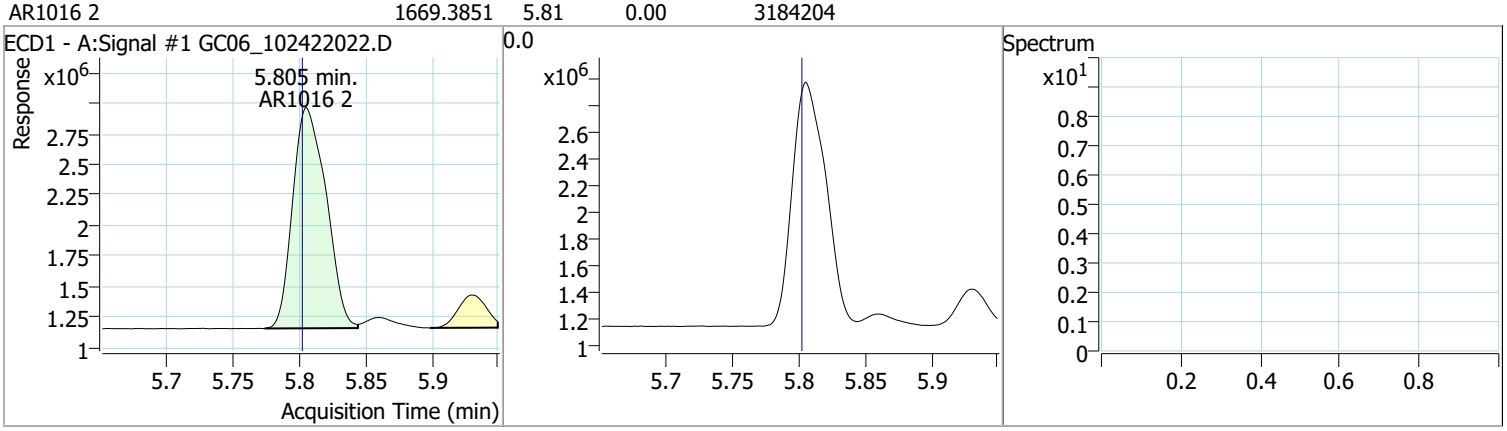
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1618.8137	5.46	0.00	1538735				



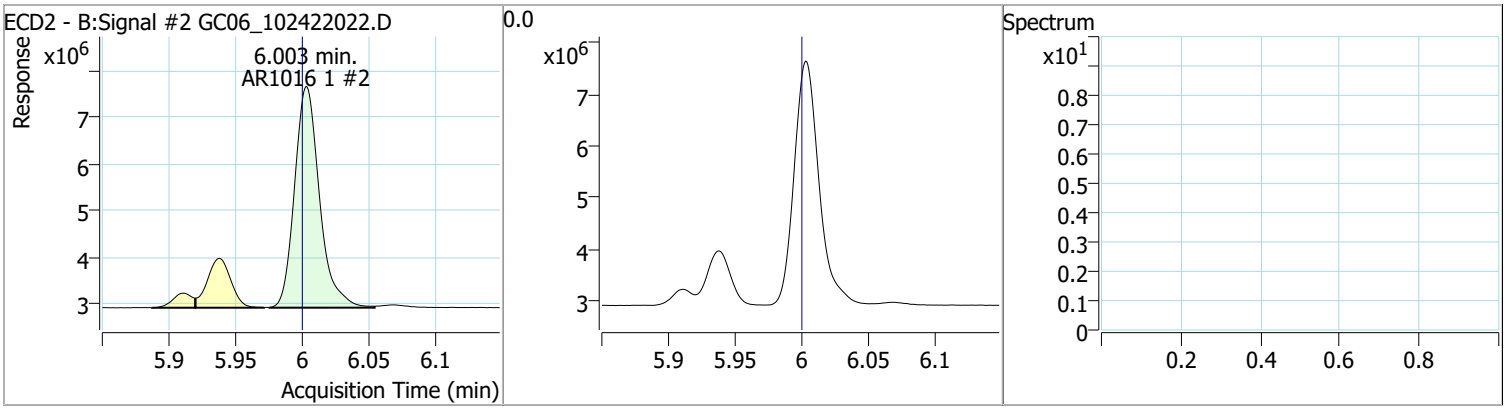
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	144.7037	5.50	0.00	25651002				



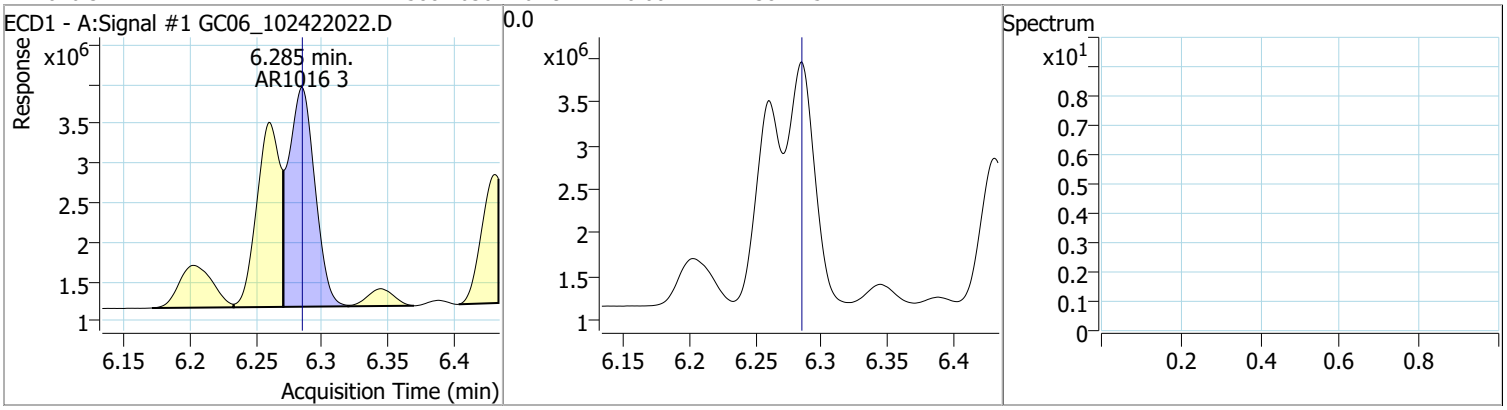
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1669.3851	5.81	0.00	3184204				



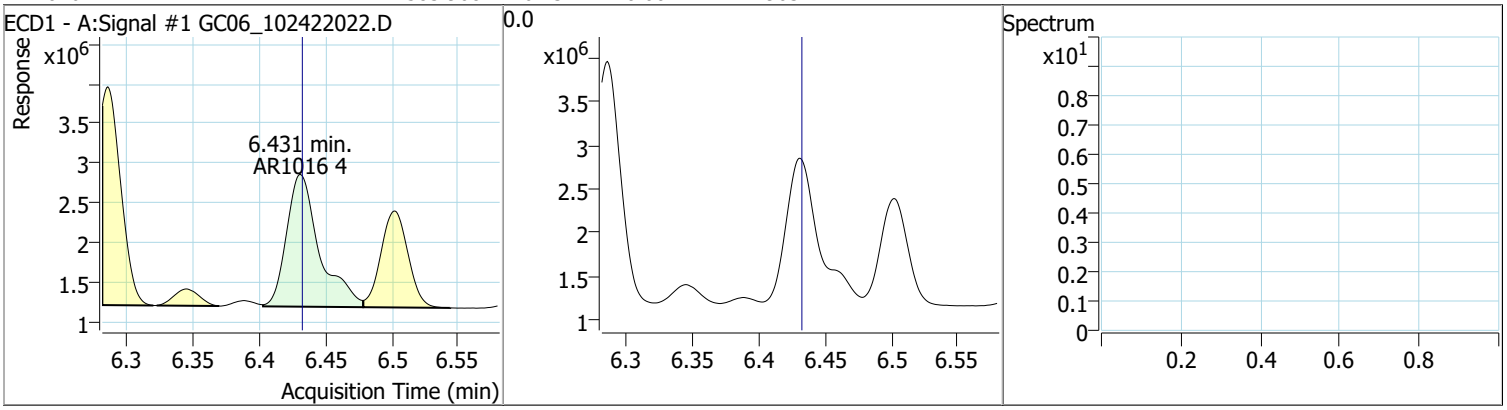
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1614.7027	6.00	0.00	6194471				



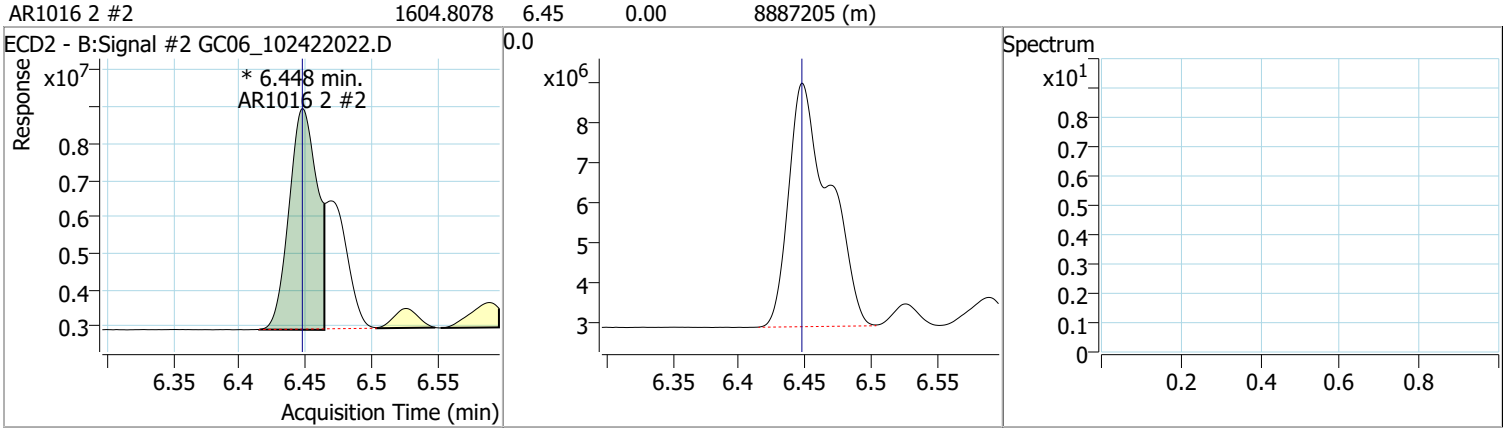
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1588.1636	6.29	0.00	3827451				



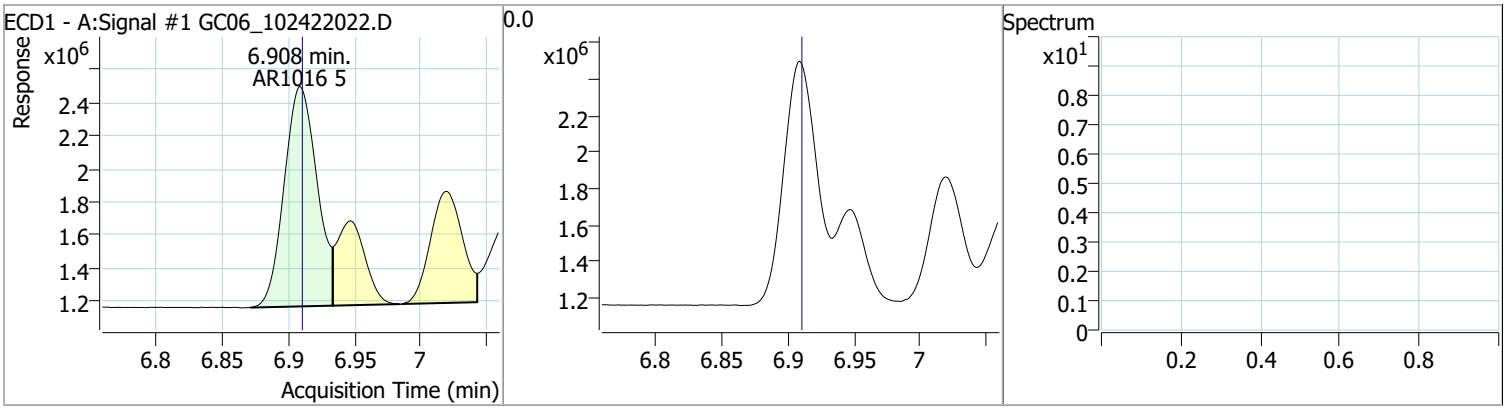
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1583.9087	6.43	0.00	2903212				



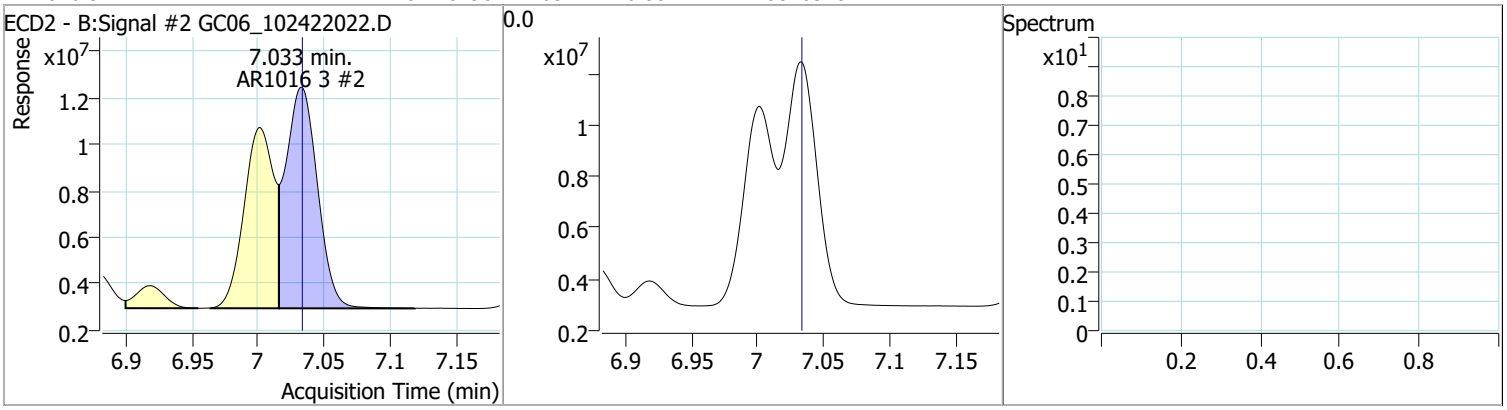
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1604.8078	6.45	0.00	8887205 (m)				



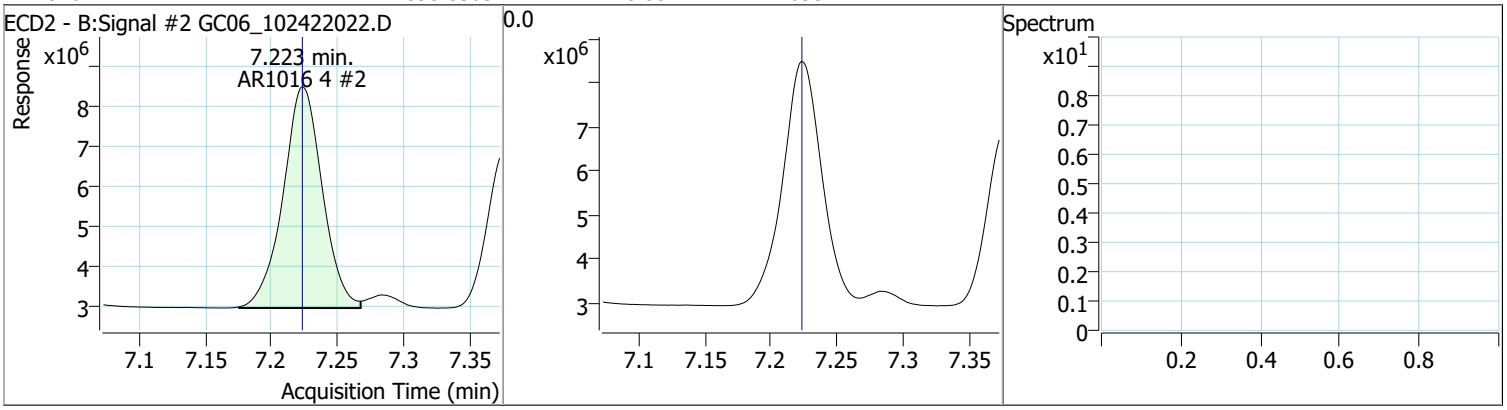
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1552.8837	6.91	0.00	2292607				



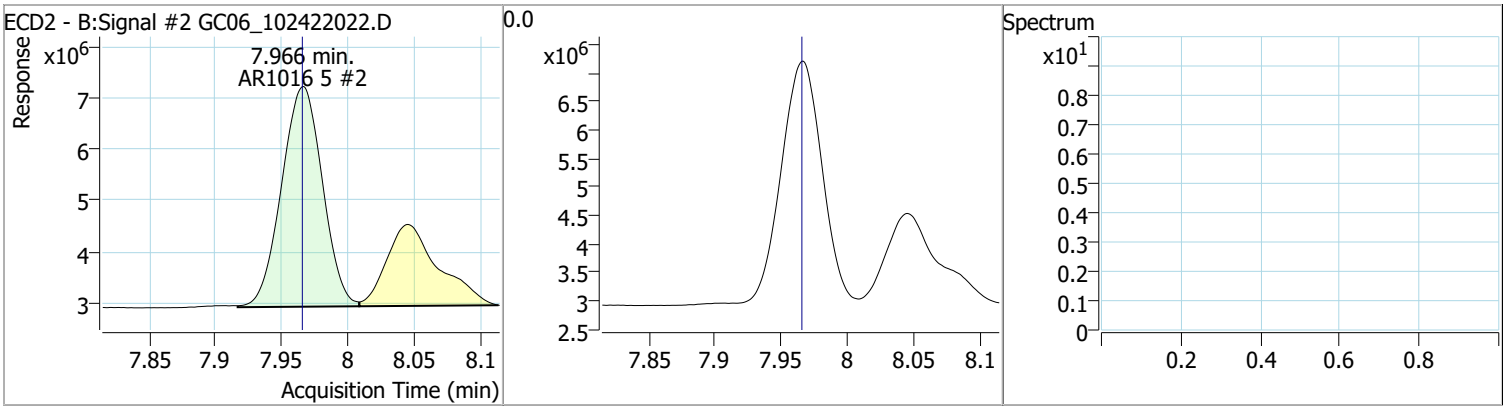
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1574.8198	7.03	0.00	15846370				



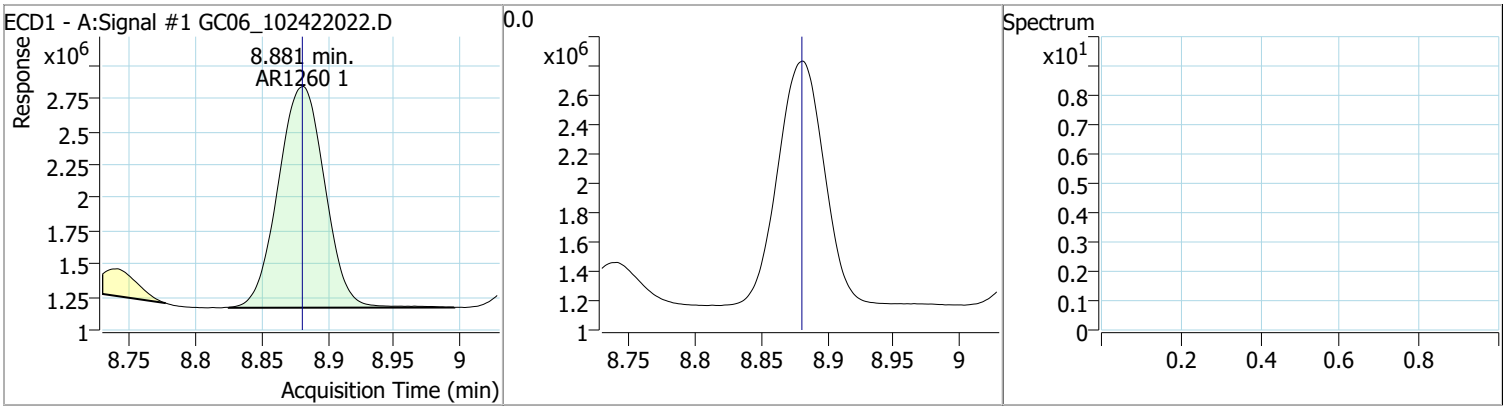
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1595.8363	7.22	0.00	11463841				



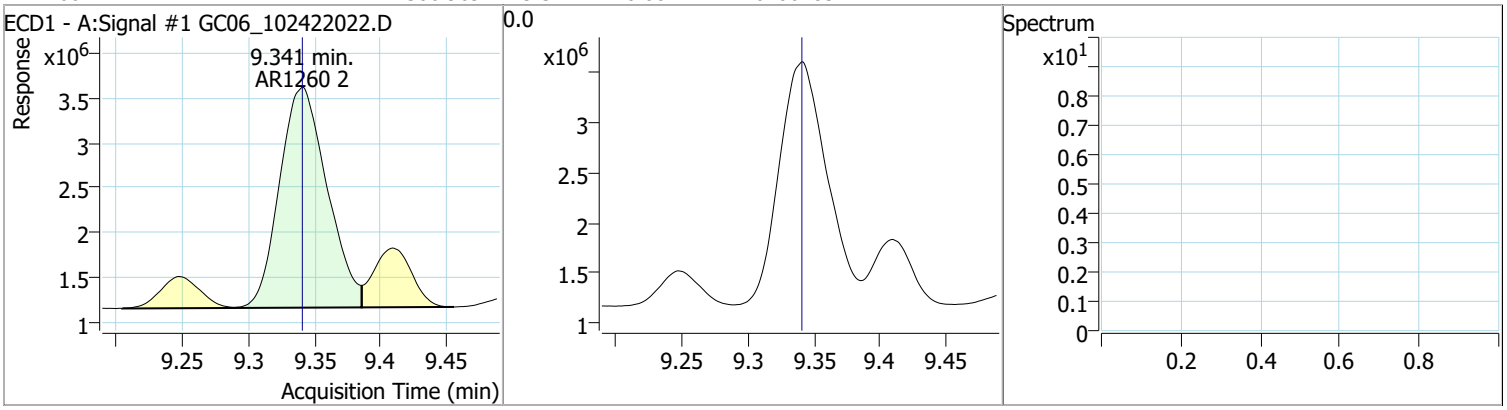
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1568.9859	7.97	0.00	9161537				



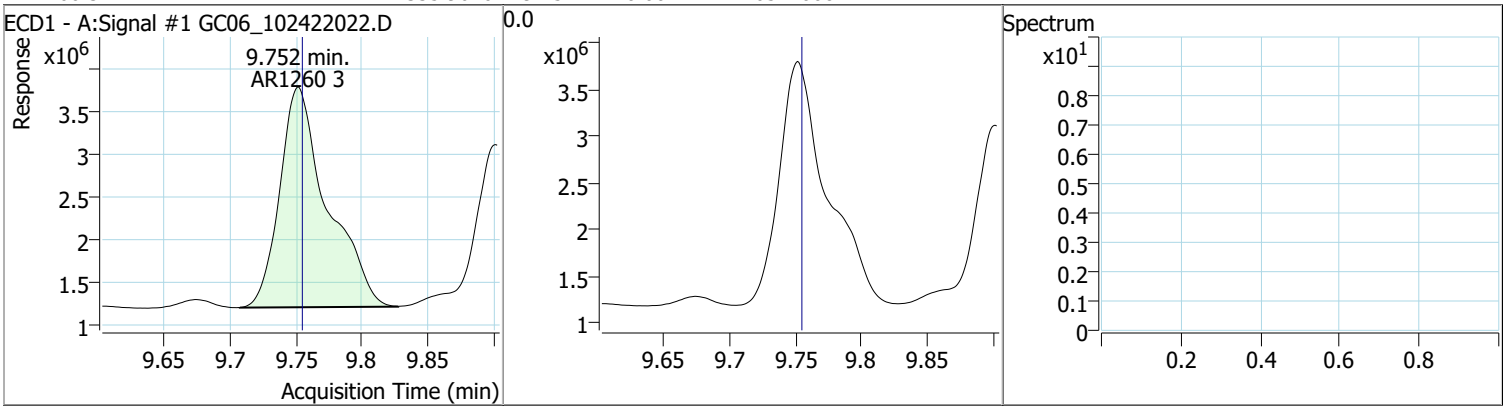
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1343.2907	8.88	0.00	4117619				



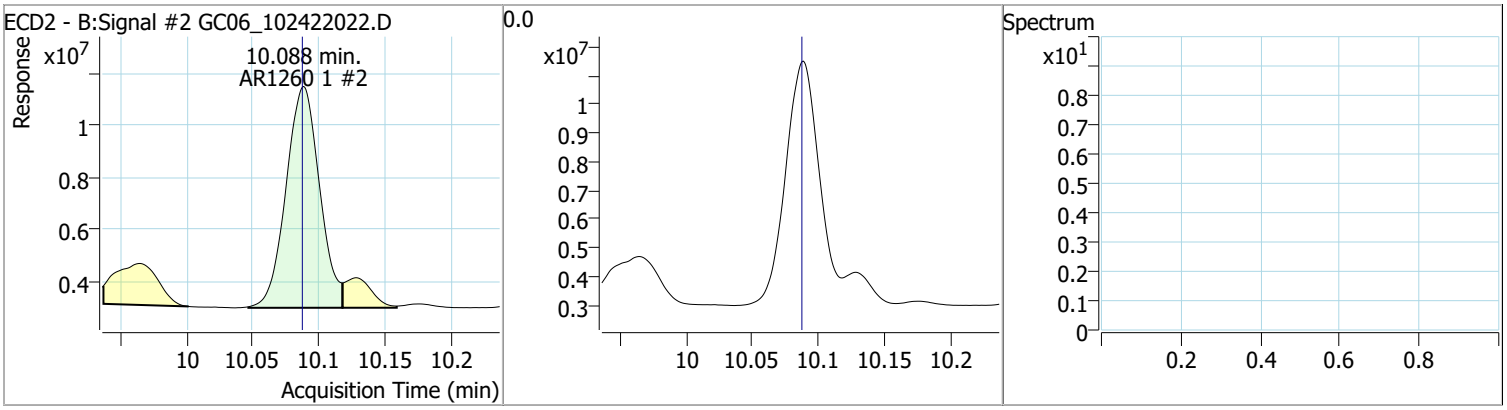
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1306.9692	9.34	0.00	6106283				



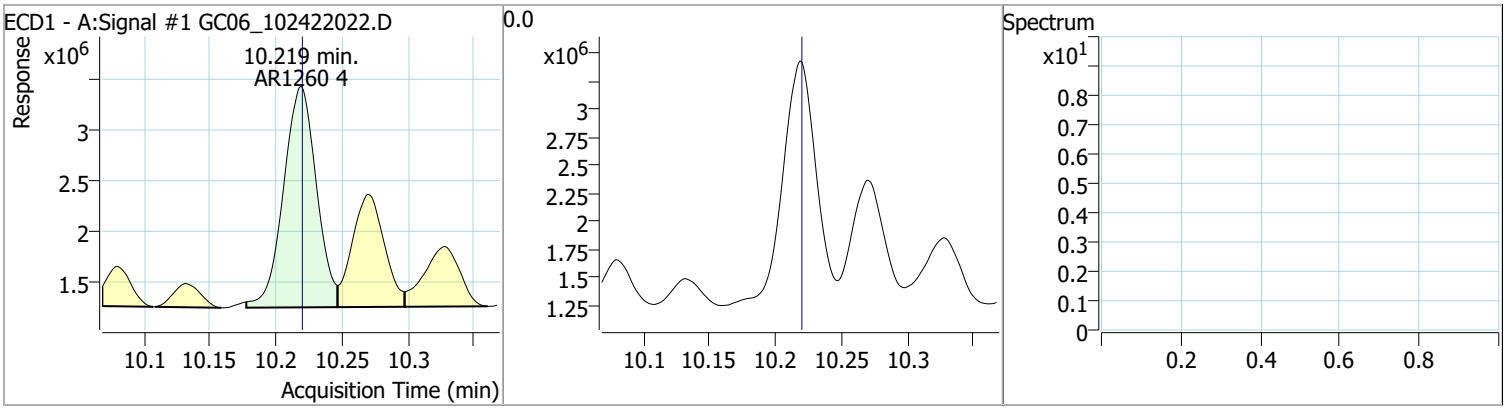
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1335.9676	9.75	0.00	6524008				



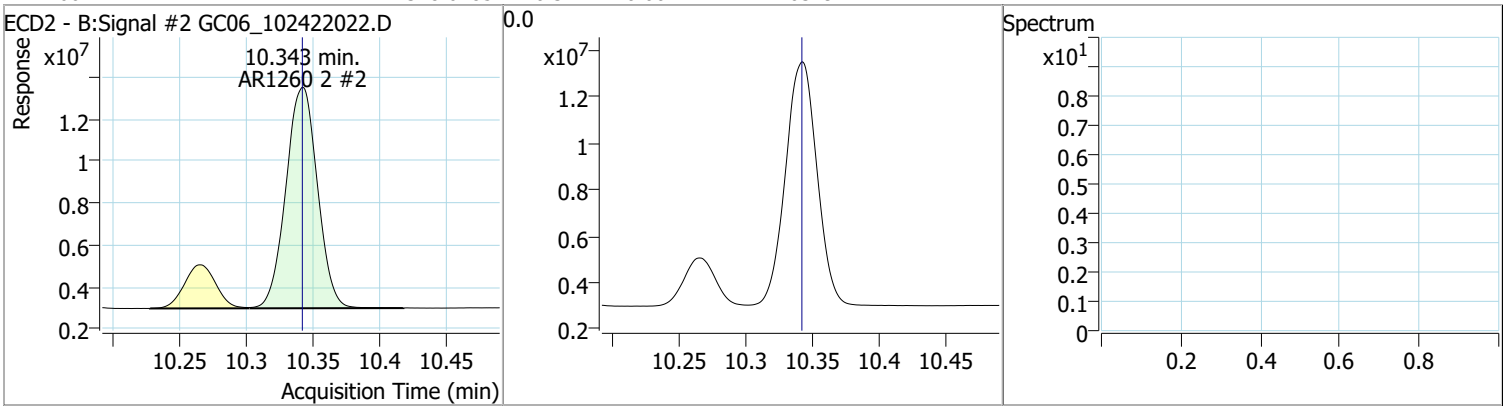
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1363.7603	10.09	0.00	14980656				



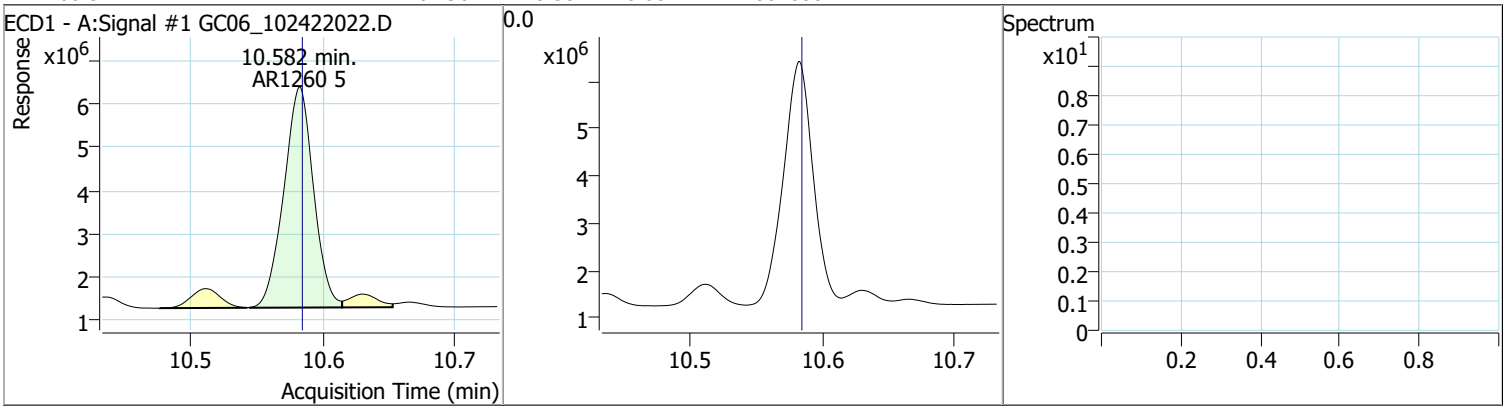
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1453.5184	10.22	0.00	3788830				



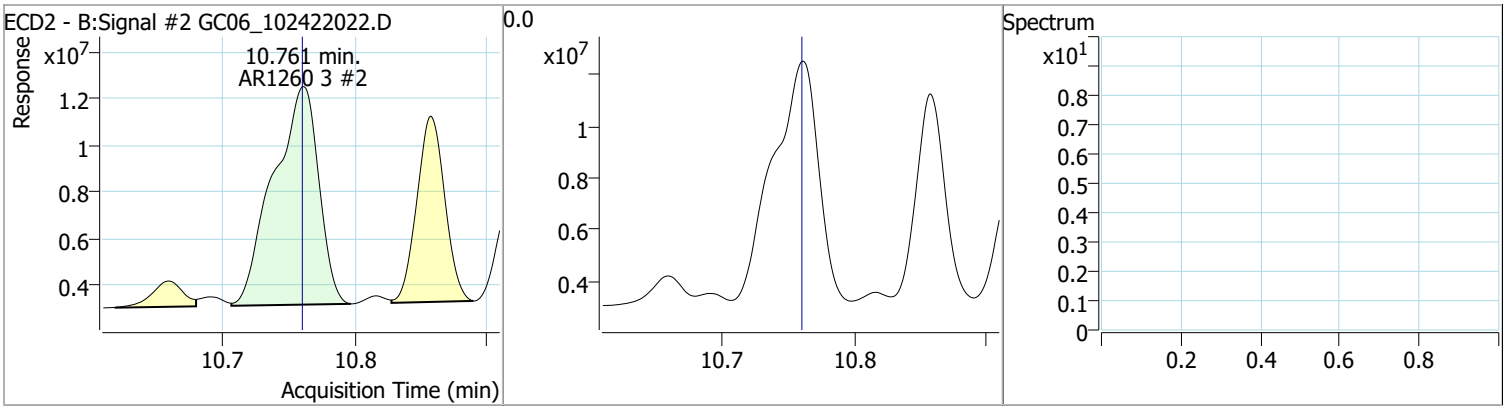
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1318.6185	10.34	0.00	17403792				



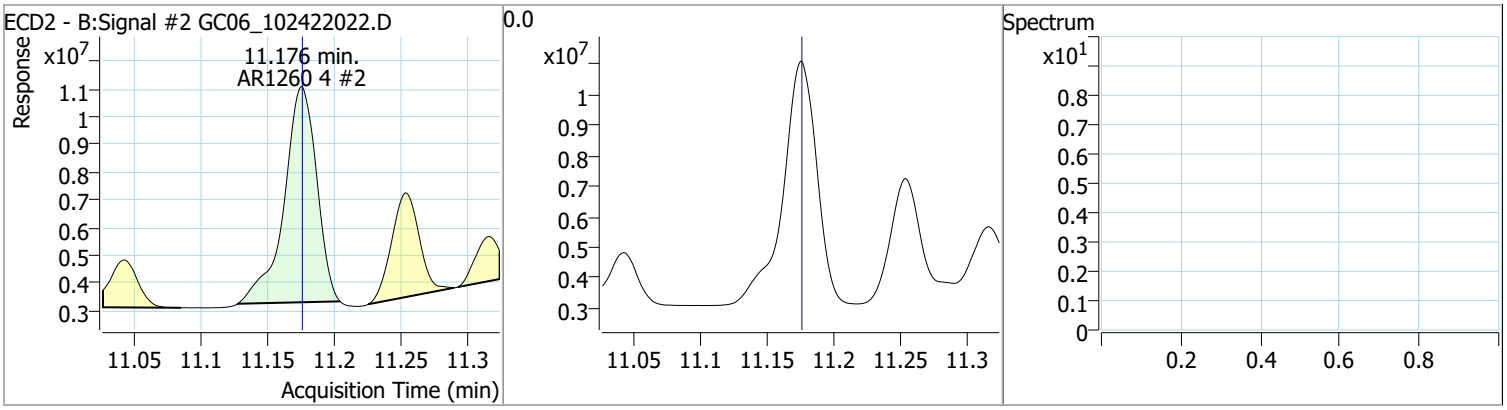
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1461.9072	10.58	0.00	8046004				



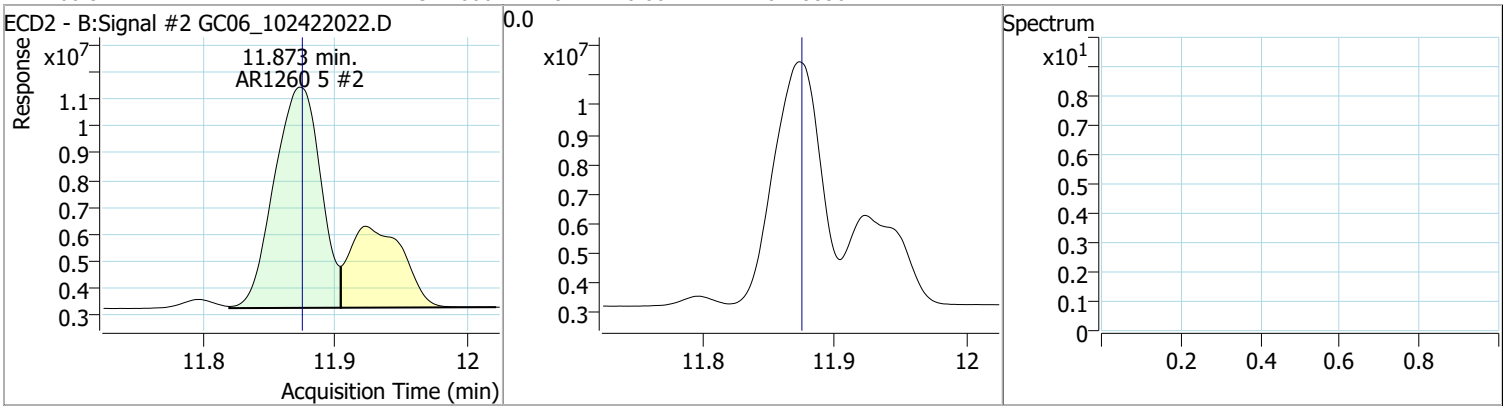
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1332.3228	10.76	0.00	22258325				



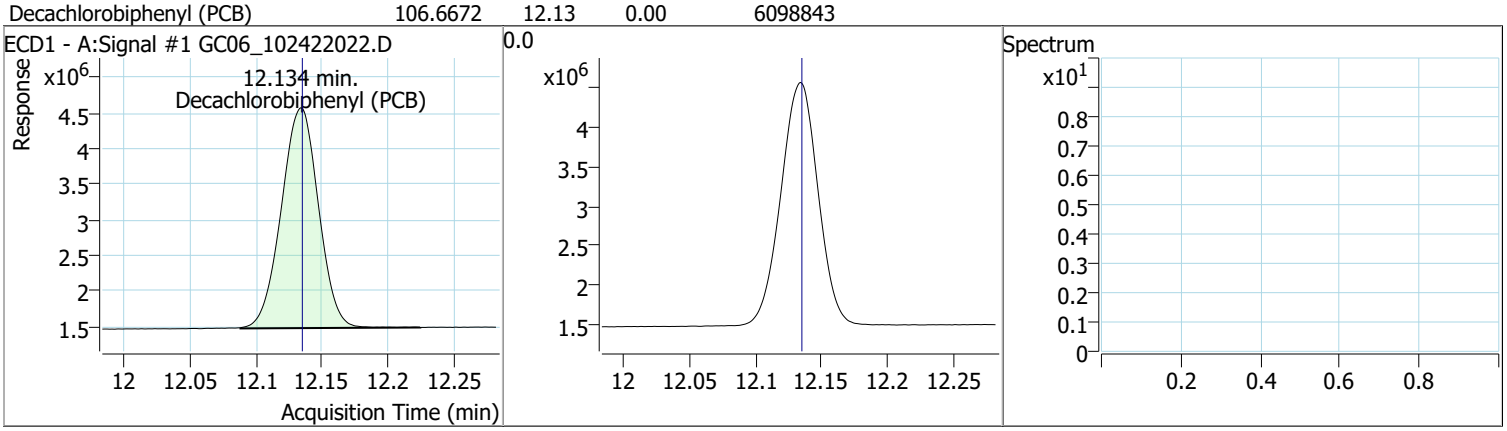
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1431.4709	11.18	0.00	13342428				



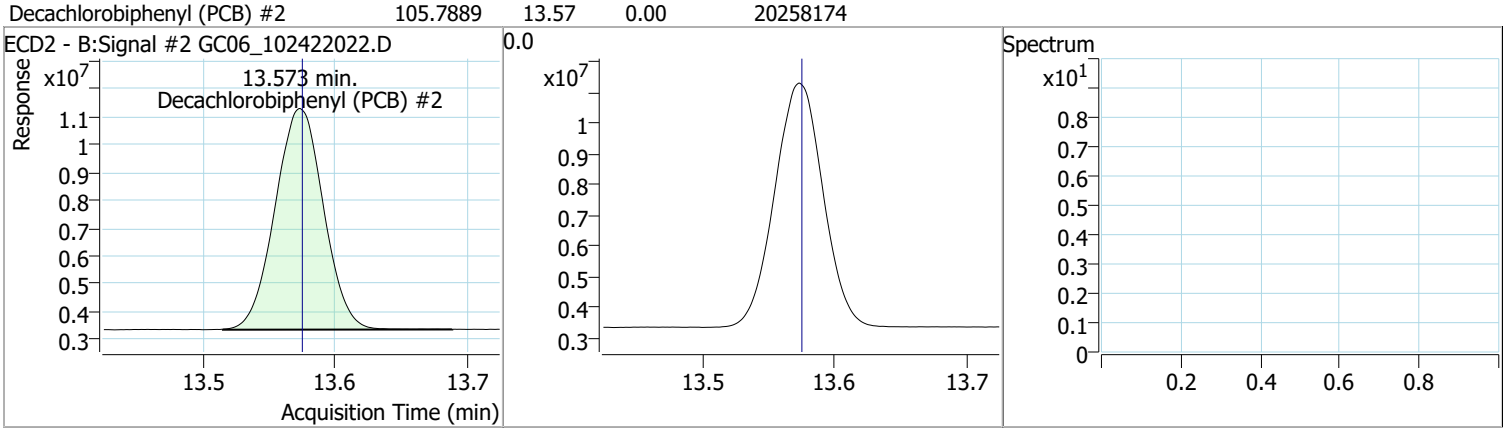
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1431.1606	11.87	0.00	20128856				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	106.6672	12.13	0.00	6098843				

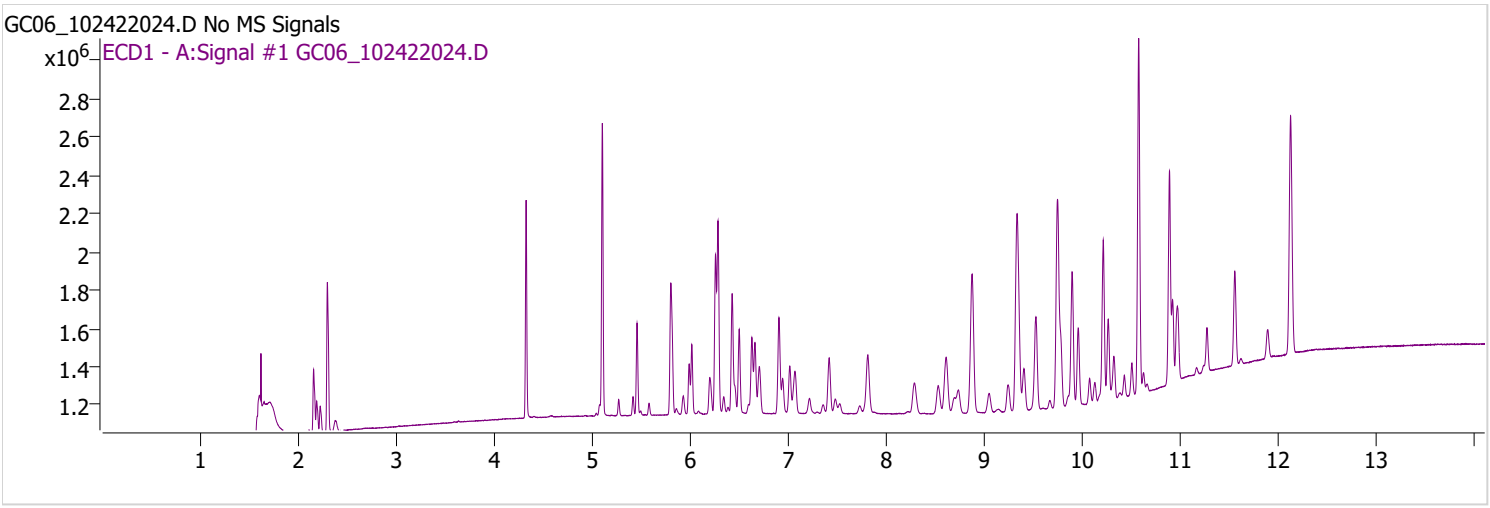


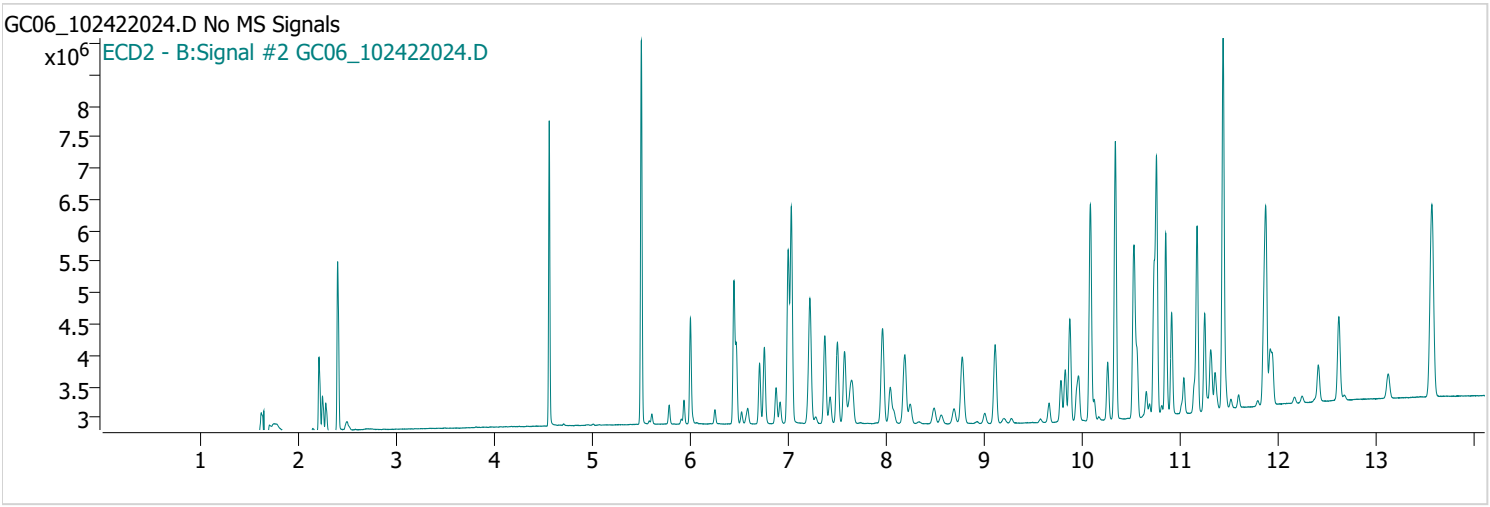
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	105.7889	13.57	0.00	20258174				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422024.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 8:25:35 PM
Sample Name	ICV, S17235	Instrument	SVOA-GC06
Vial	20	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



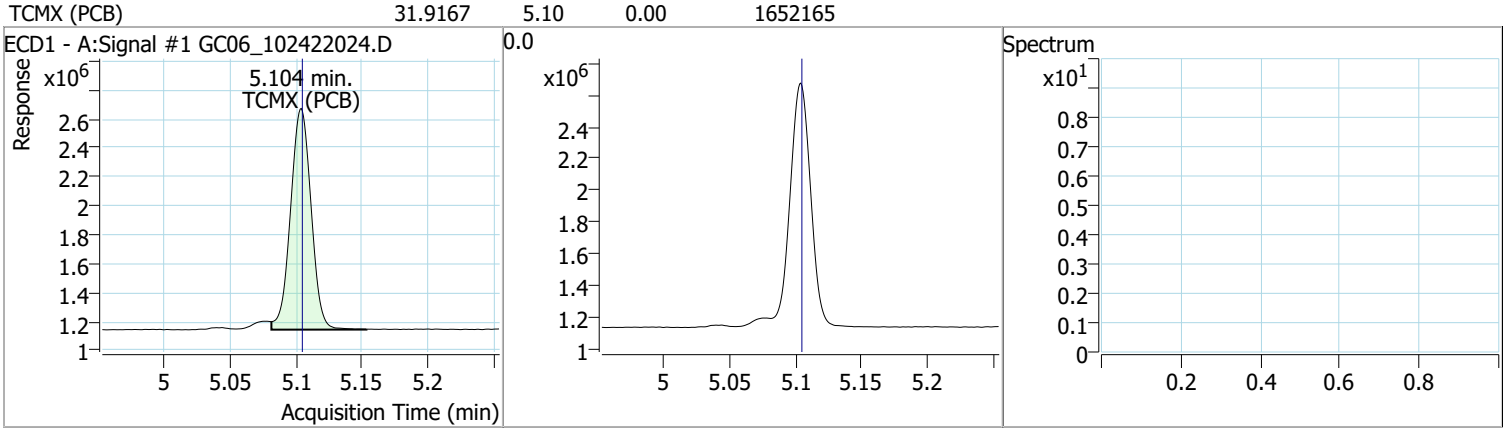


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.326	0.0	1076682.196	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	4397148.902	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.104	0.0	1652164.770	31.9167	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 159.58%		*	
S TCMX (PCB) #2	5.503	0.0	6722893.316	31.8363	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 159.18%		*	
S Decachlorobiphenyl (PCB)	12.132	0.0	2466843.073	33.4800	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 167.40%		*	
S Decachlorobiphenyl (PCB) #2	13.575	0.0	8011248.396	33.7063	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 168.53%		*	
Target Compounds							QValue

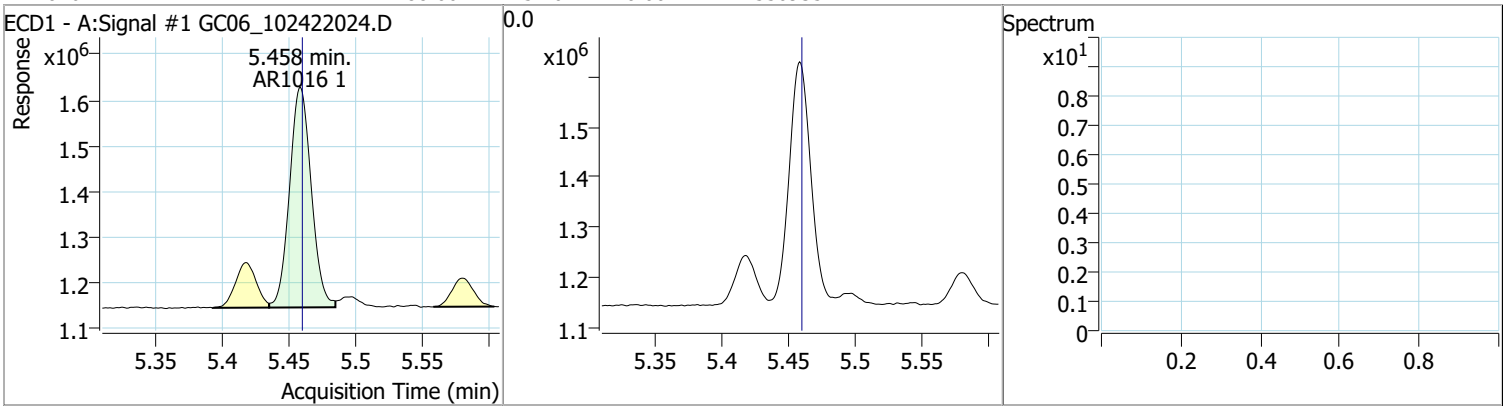
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.458	0.0	550935.426	488.0614	ng/ml		100
T AR1016 2	5.803	0.0	1189862.282	514.7354	ng/ml		100
T AR1016 1 #2	6.003	0.0	2242477.144	490.6896	ng/ml		100
T AR1016 3	6.285	0.0	1389465.420	485.4831	ng/ml		100
T AR1016 4	6.430	0.0	1046664.270	480.8388	ng/ml		100
T AR1016 2 #2	6.448	0.0	3255640.126	493.4972	ng/ml	m	100
T AR1016 5	6.908	0.0	816413.877	465.6509	ng/ml		100
T AR1016 3 #2	7.033	0.0	5620148.290	468.8558	ng/ml		100
T AR1016 4 #2	7.223	0.0	4113157.293	480.6445	ng/ml		100
T AR1016 5 #2	7.966	0.0	3287720.462	472.6461	ng/ml		100
T AR1260 1	8.880	0.0	1666464.315	457.7841	ng/ml		100
T AR1260 2	9.340	0.0	2597140.258	468.0849	ng/ml		100
T AR1260 3	9.752	0.0	2770140.676	477.6656	ng/ml		100
T AR1260 1 #2	10.088	0.0	6115733.850	467.3543	ng/ml		100
T AR1260 4	10.219	0.0	1373500.840	432.9684	ng/ml		100
T AR1260 2 #2	10.343	0.0	7171316.093	456.1048	ng/ml		100
T AR1260 5	10.581	0.0	2835639.223	421.1135	ng/ml		100
T AR1260 3 #2	10.763	0.0	9458173.779	475.2419	ng/ml		100
T AR1260 4 #2	11.178	0.0	5106288.877	443.8244	ng/ml		100
T AR1260 5 #2	11.878	0.0	7482914.204	433.7764	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

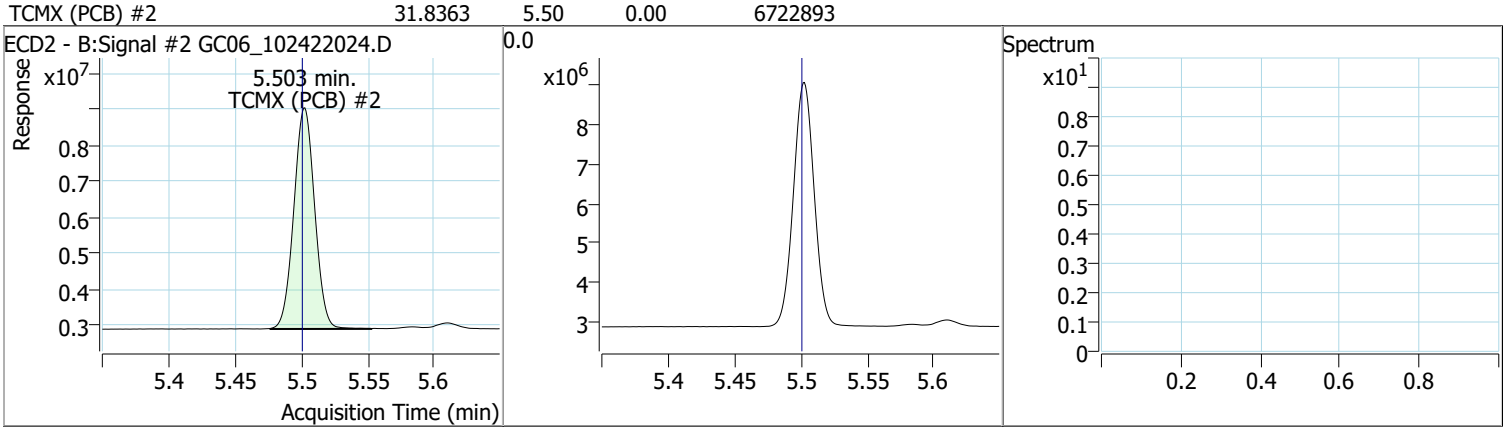
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.9167	5.10	0.00	1652165				



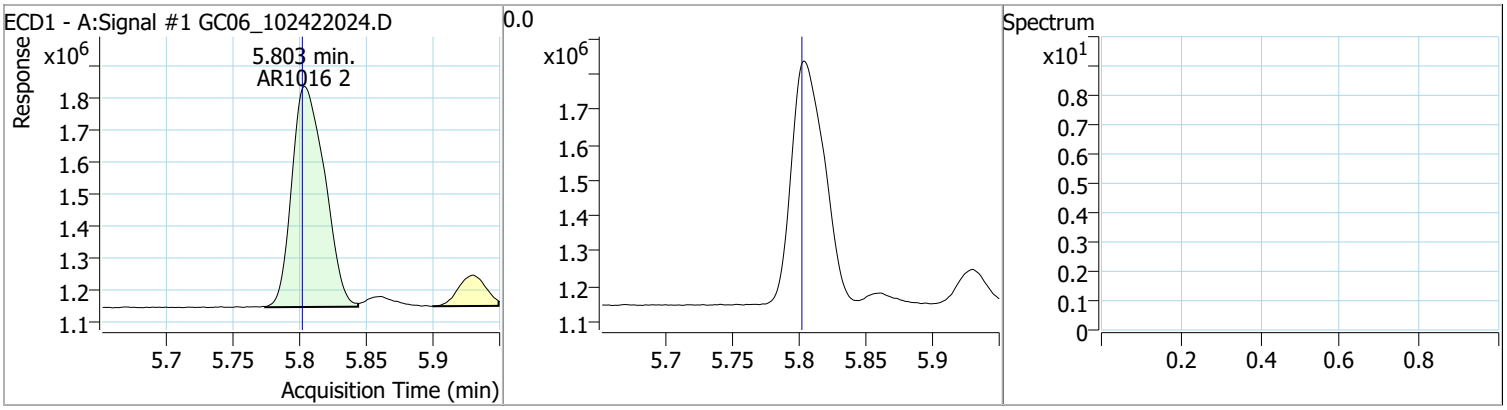
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	488.0614	5.46	0.00	550935				



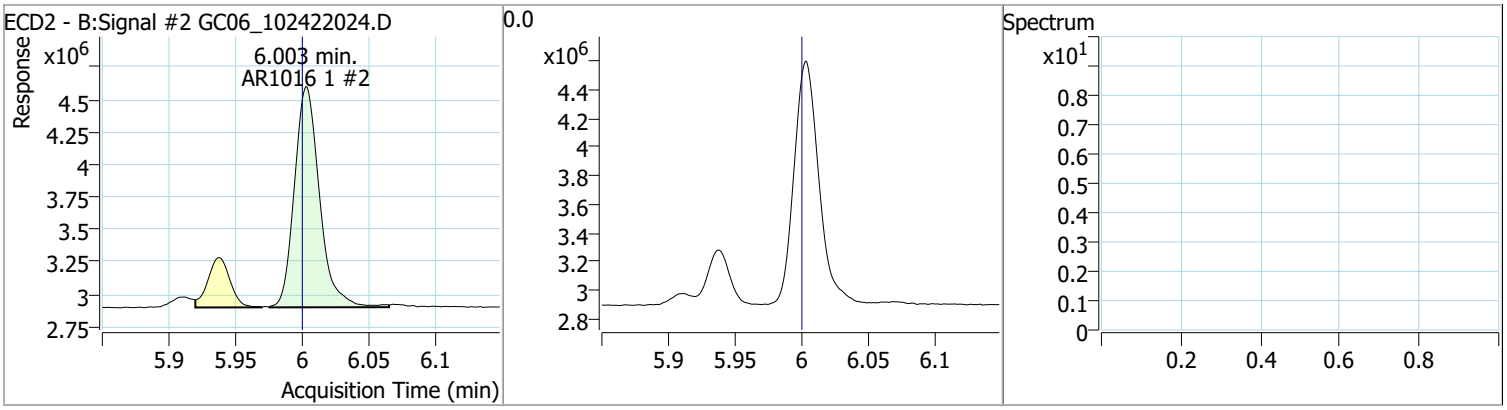
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	31.8363	5.50	0.00	6722893				



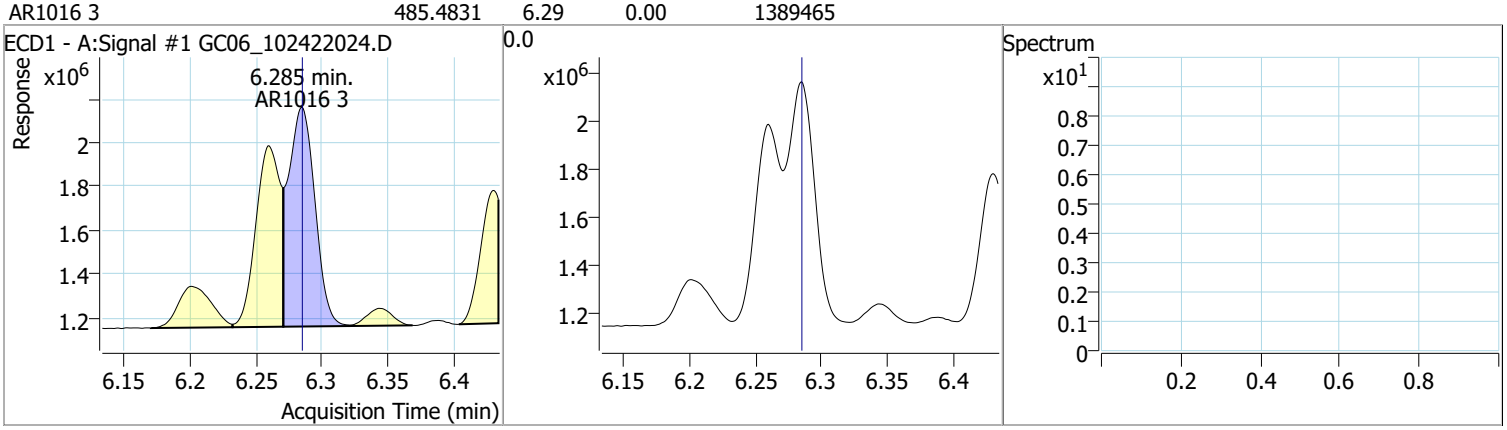
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	514.7354	5.80	0.00	1189862				



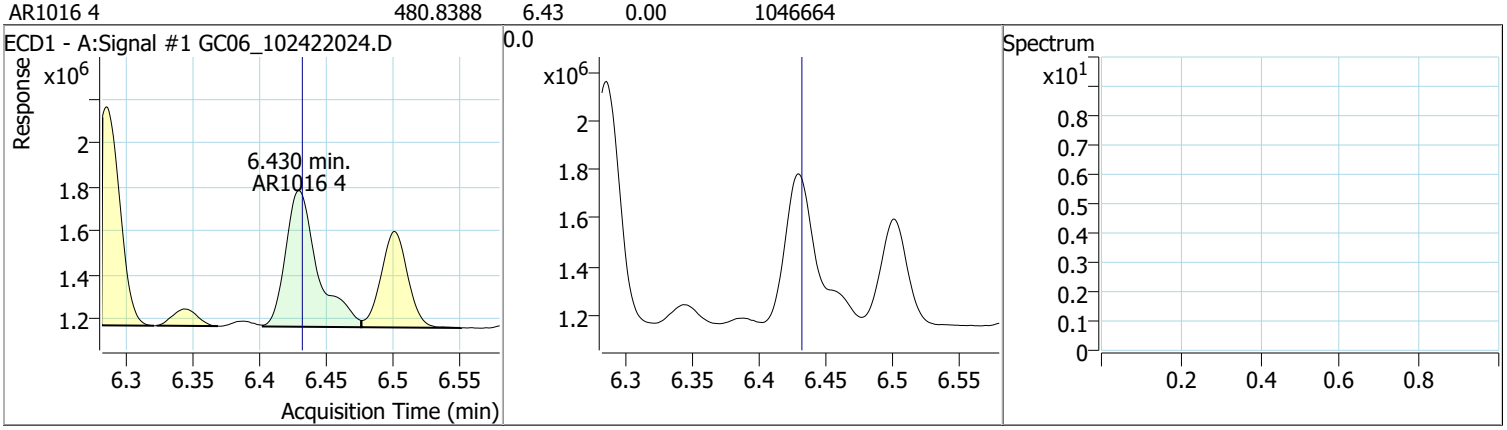
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	490.6896	6.00	0.00	2242477				



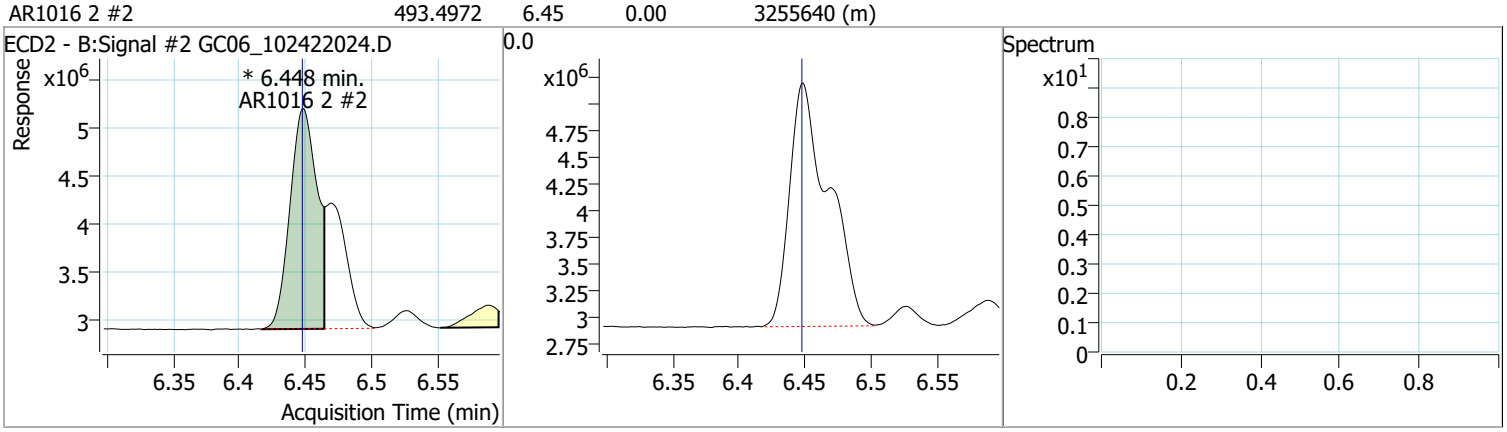
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	485.4831	6.29	0.00	1389465				



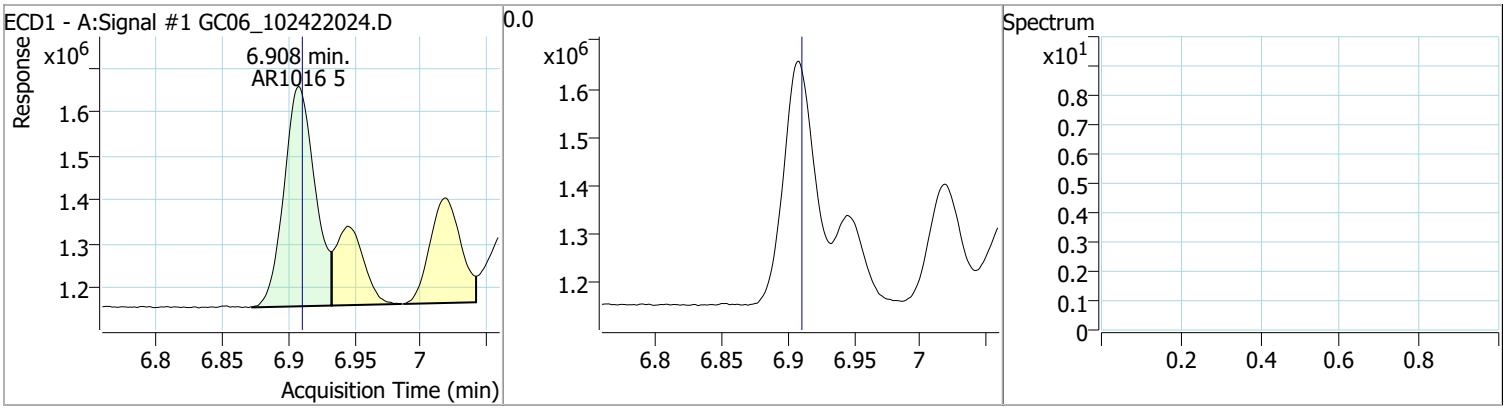
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	480.8388	6.43	0.00	1046664				



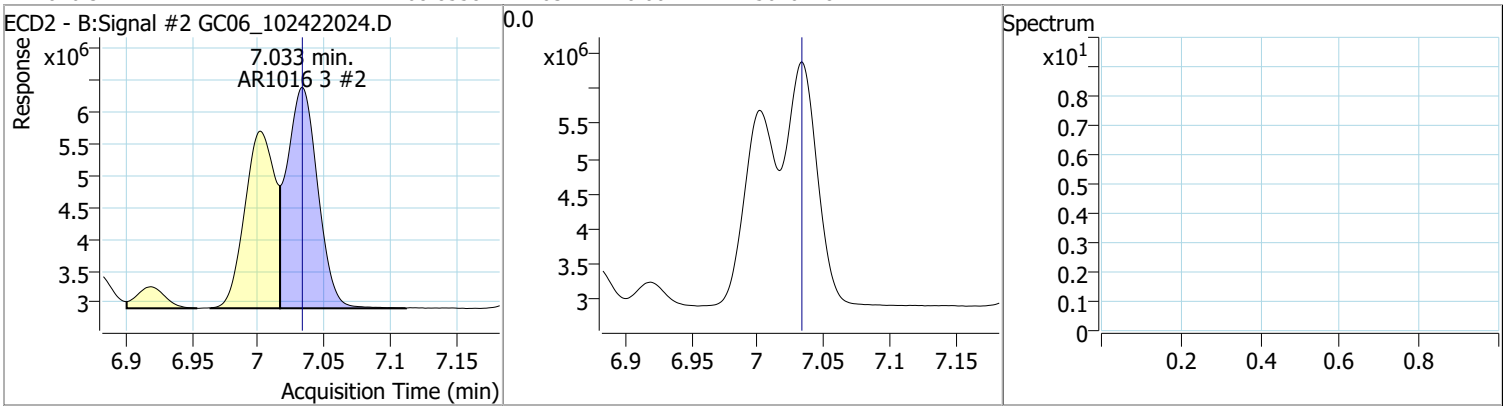
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	493.4972	6.45	0.00	3255640 (m)				



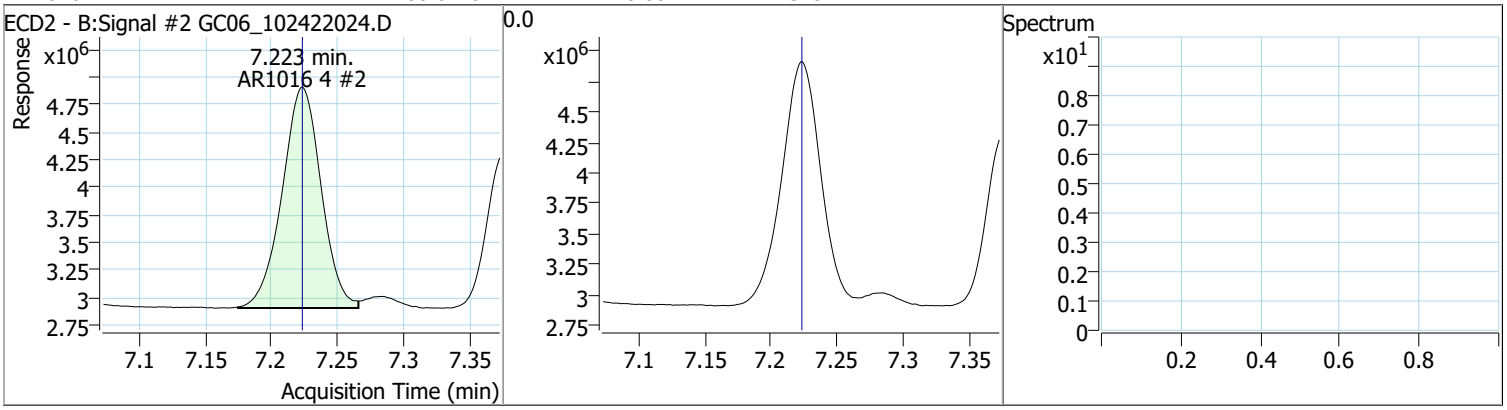
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	465.6509	6.91	0.00	816414				



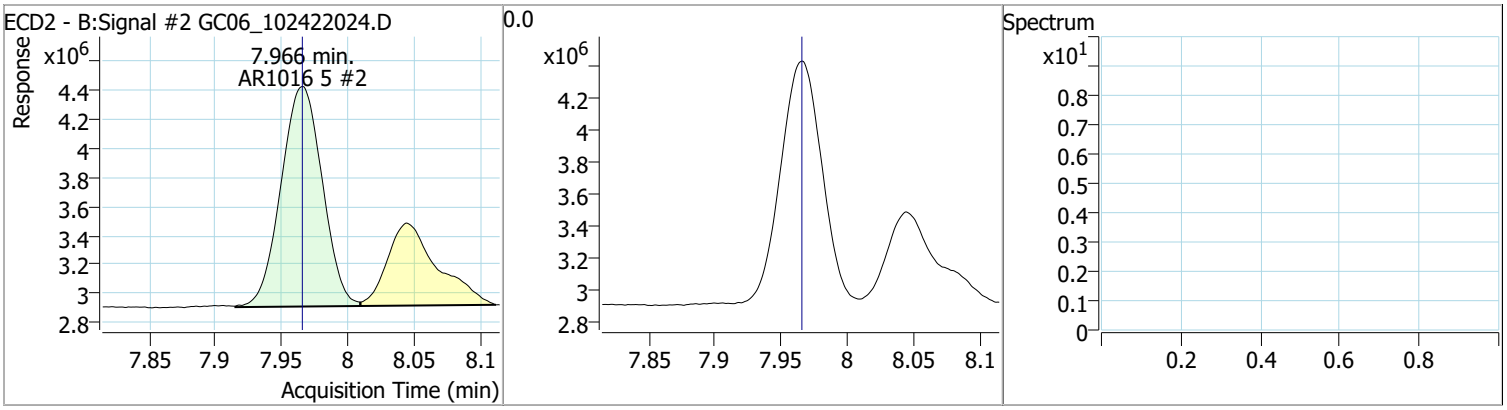
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	468.8558	7.03	0.00	5620148				



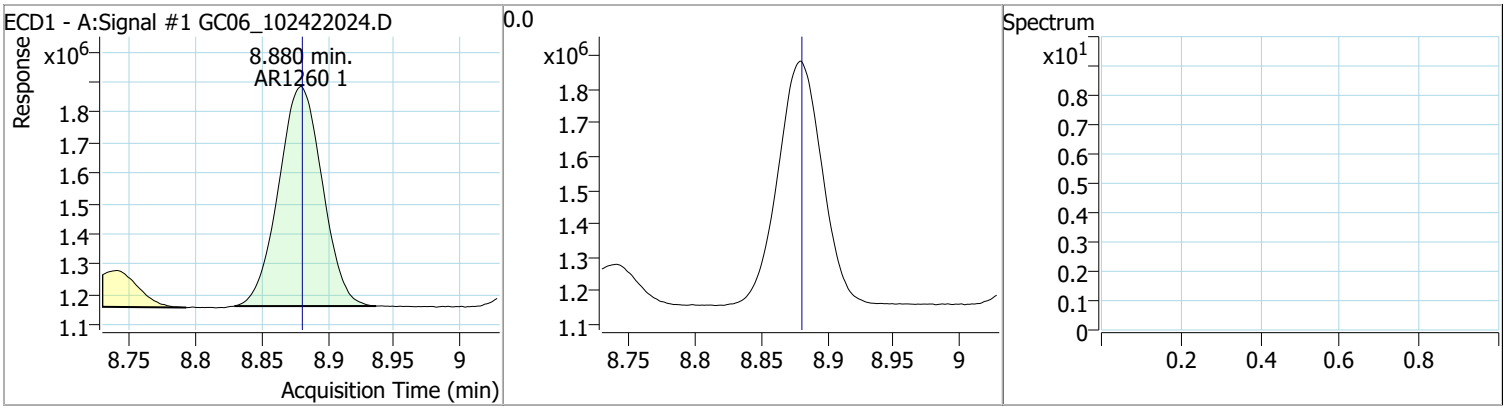
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	480.6445	7.22	0.00	4113157				



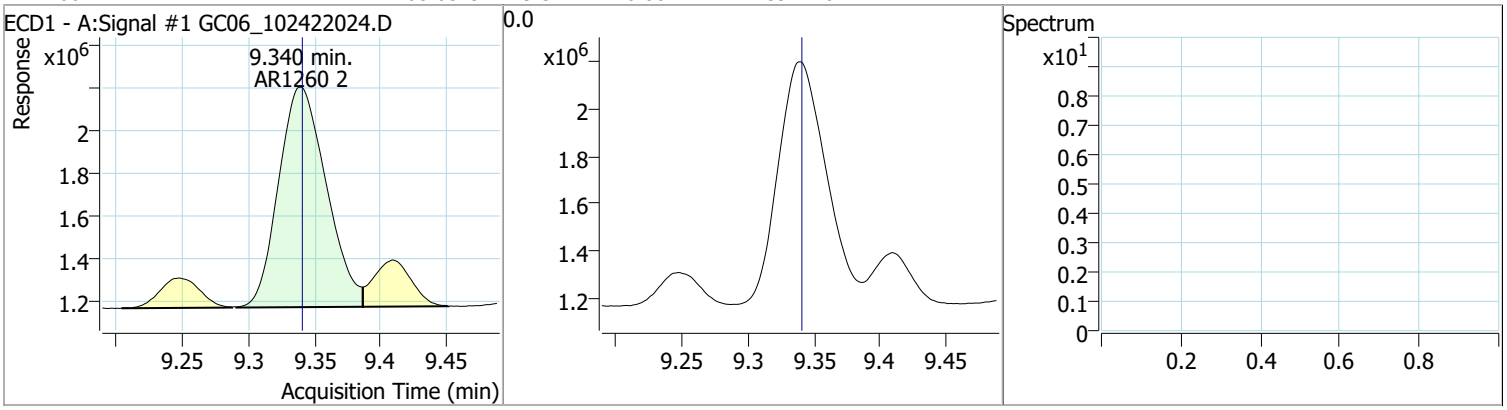
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	472.6461	7.97	0.00	3287720				



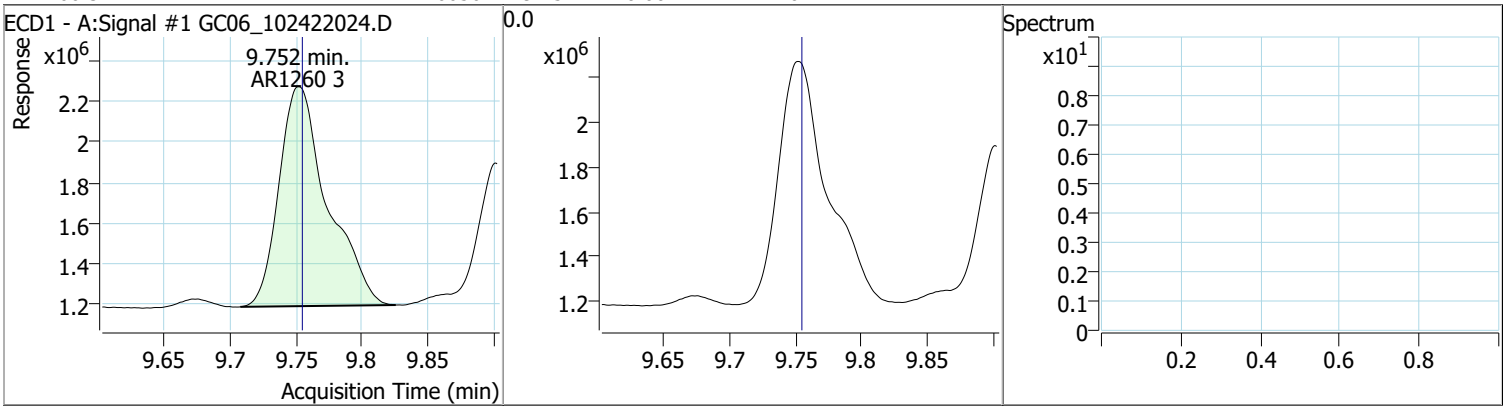
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	457.7841	8.88	0.00	1666464				



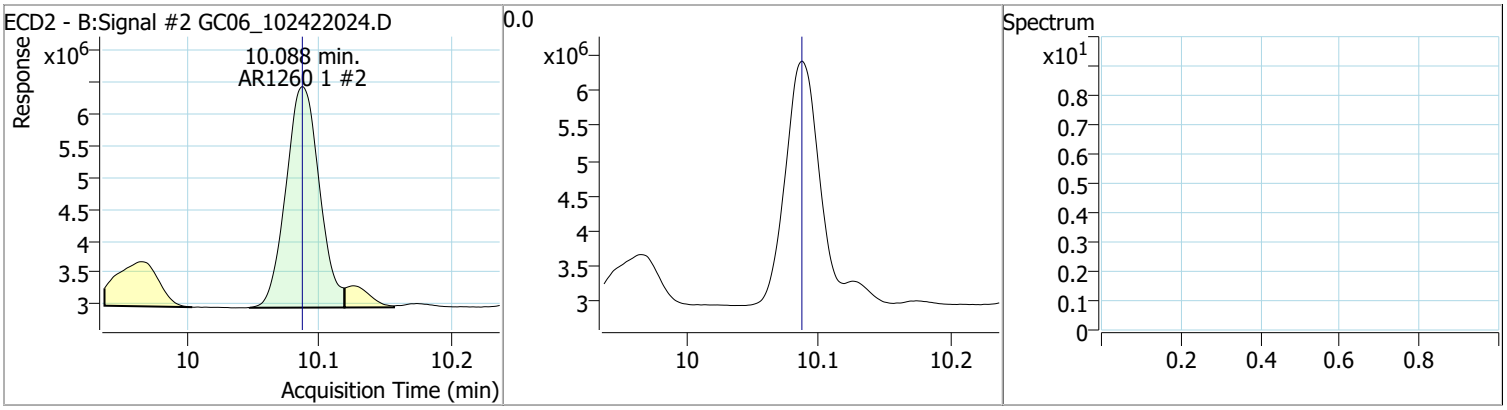
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	468.0849	9.34	0.00	2597140				



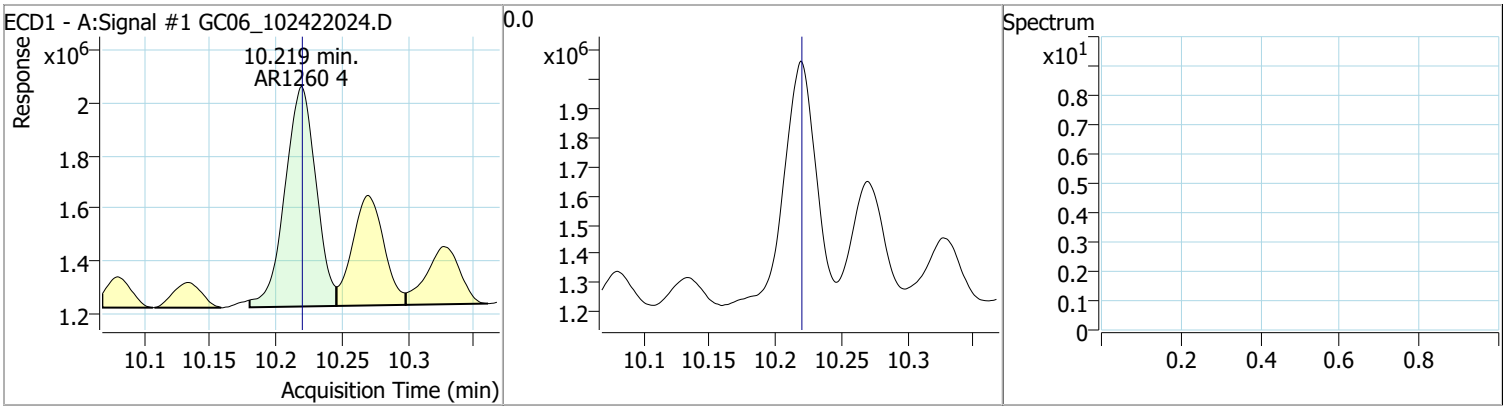
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	477.6656	9.75	0.00	2770141				



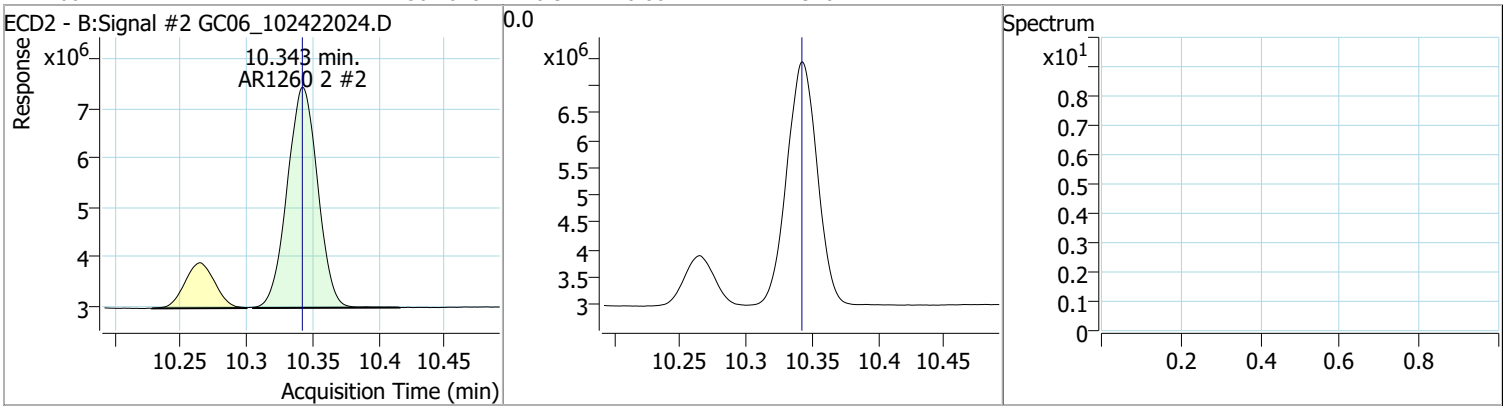
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	467.3543	10.09	0.00	6115734				



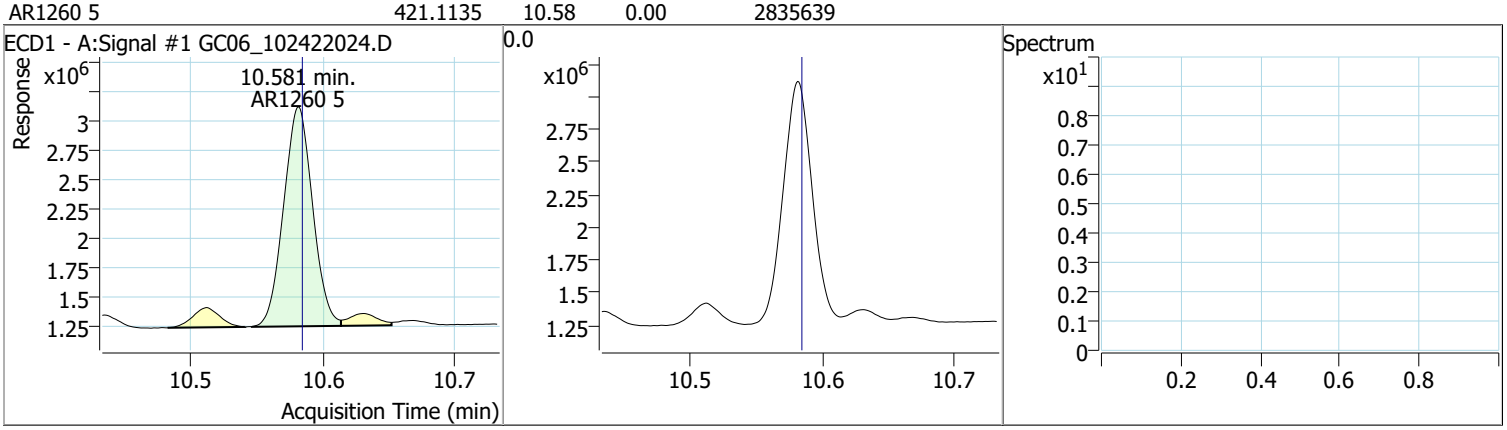
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	432.9684	10.22	0.00	1373501				



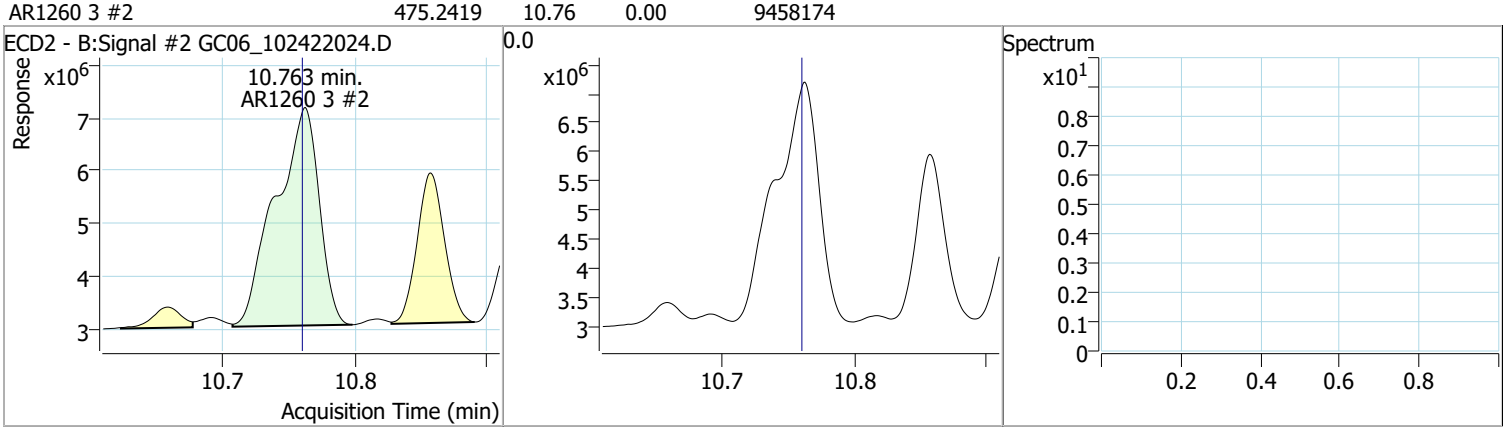
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	456.1048	10.34	0.00	7171316				



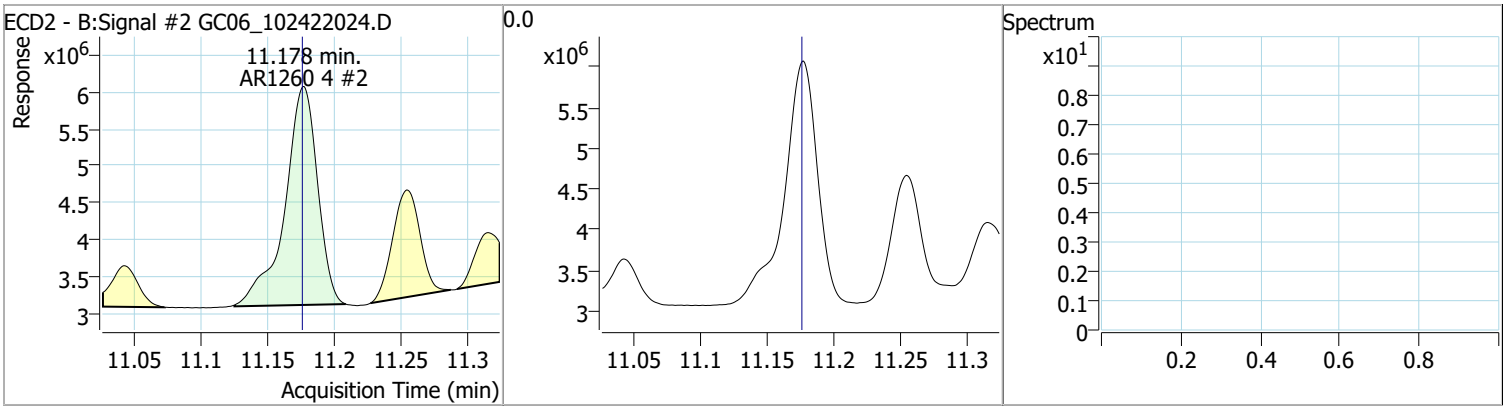
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	421.1135	10.58	0.00	2835639				



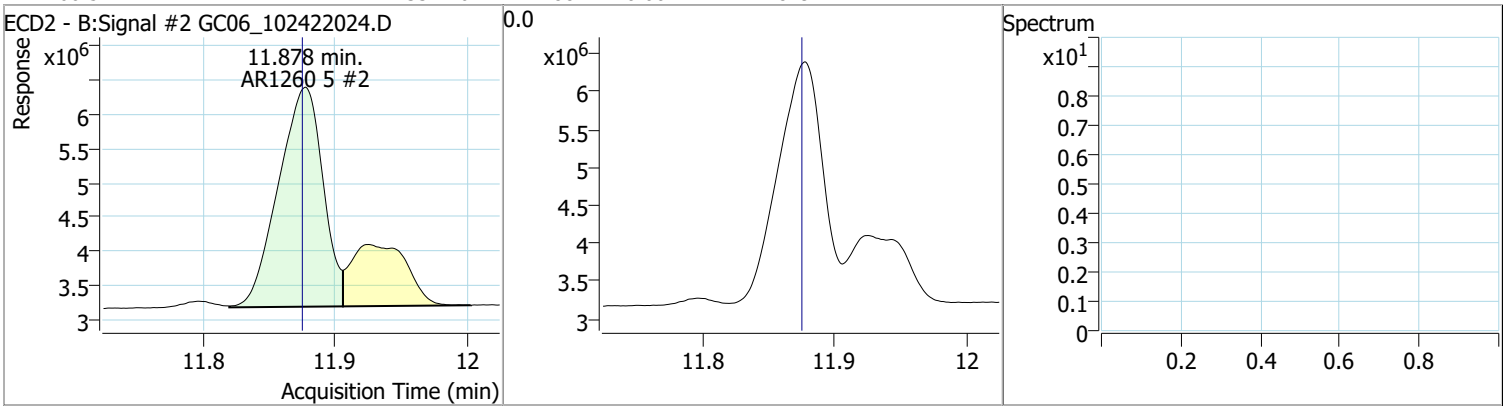
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	475.2419	10.76	0.00	9458174				



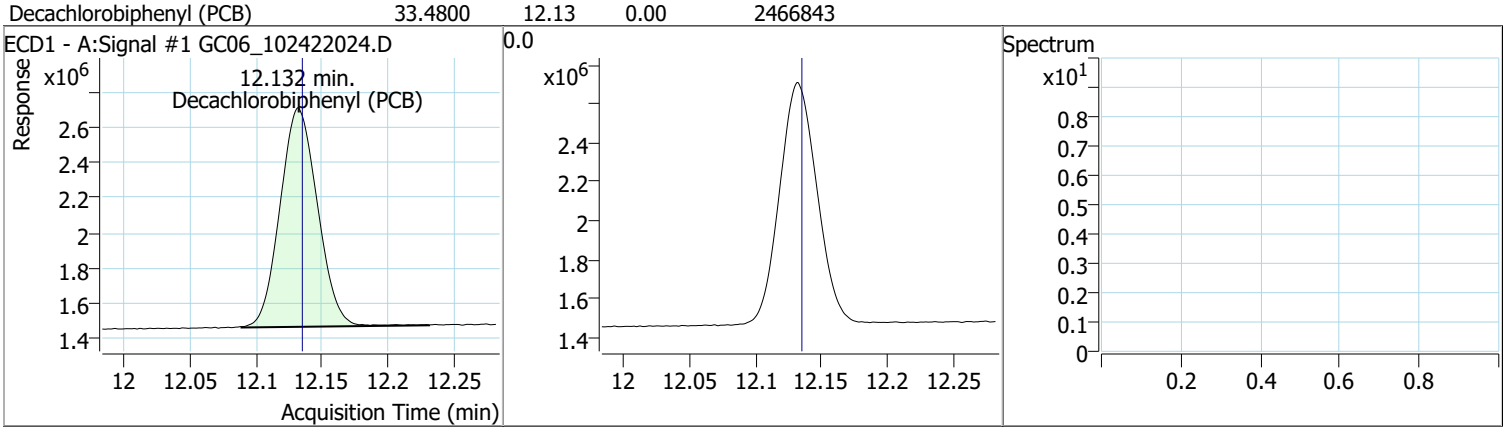
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	443.8244	11.18	0.00	5106289				



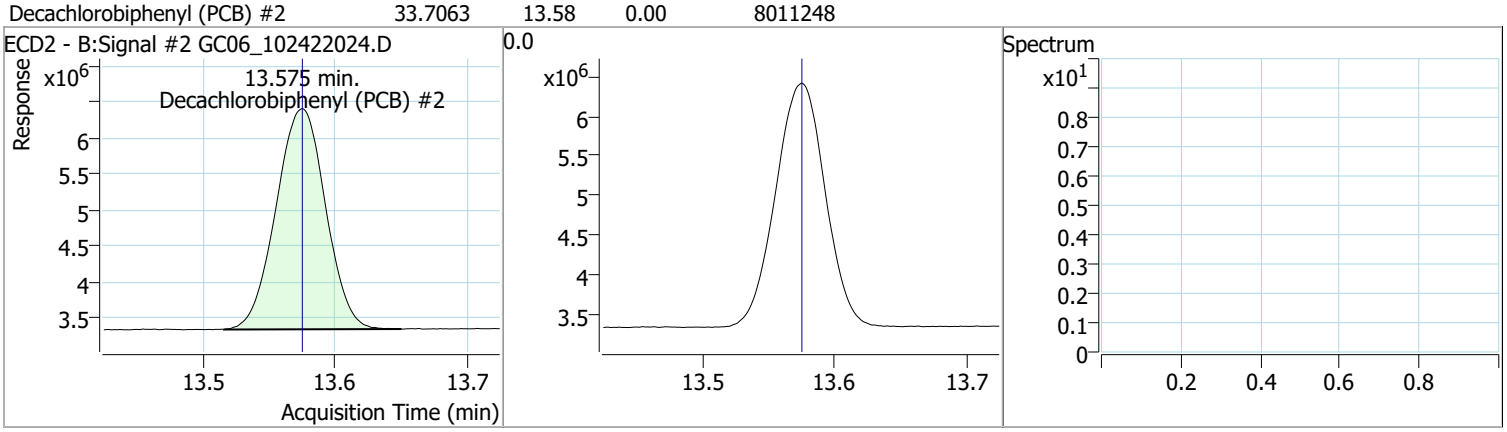
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	433.7764	11.88	0.00	7482914				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	33.4800	12.13	0.00	2466843				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	33.7063	13.58	0.00	8011248				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 474713 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452501809036	File:	gc06_121422036	Time:	14-DEC-2022 22:46
Cal:	452428510002	Caldate:	24-OCT-2022		

Standards: S17386

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	455.9	ug/L	-9	15	0.0000	
Aroclor-1260	A			500.0	410.5	ug/L	**-18**	15	0.0000	**c-** ***
Decachlorobiphenyl (PCB)	A	1.4080	1.6604	40.00	50.47	ug/L	**26**	15	0.0000	c+
TCMX (PCB)	A	0.9616	0.9149	40.00	38.06	ug/L	-5	15	0.0000	
Aroclor-1016	B			500.0	454.3	ug/L	-9	15	0.0000	
Aroclor-1260	B			500.0	453.4	ug/L	-9	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2084	1.2913	40.00	48.66	ug/L	**22**	15	0.0000	c+
TCMX (PCB)	B	0.9605	0.9121	40.00	37.98	ug/L	-5	15	0.0000	

ISTD (ICAL gc06_102422015)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4414084	5560467	25.97
1-bromo-2-nitrobenzene (PCB)	A	1096423	1170615	6.77

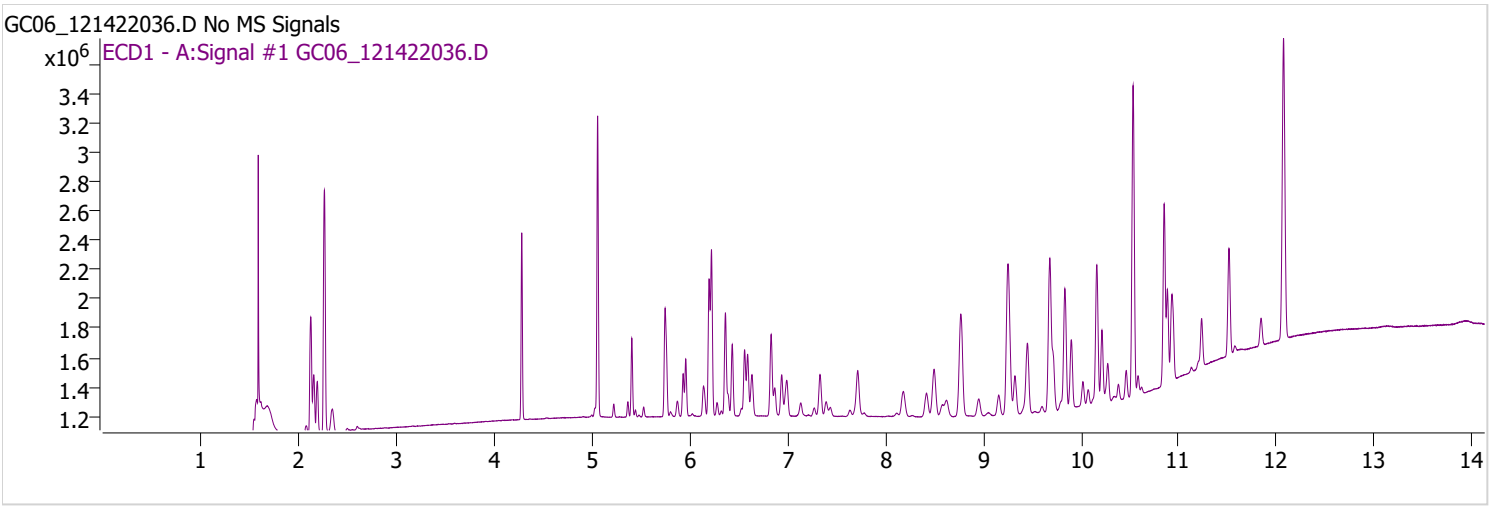
MES 12/15/22 [Aroclor-1016 B]: Separated from coeluting peak for Ch. B.

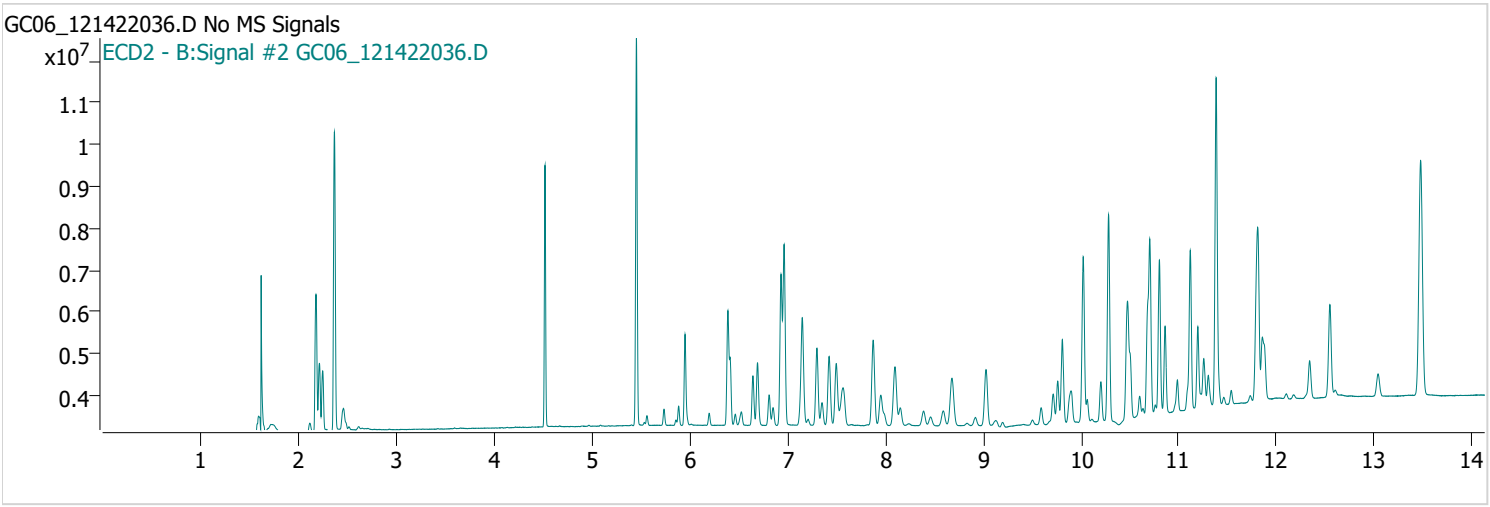
+=high bias -=low bias c=CCV

Analyst: MES 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422036.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 10:46:13 PM
Sample Name	CCV, S17386	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



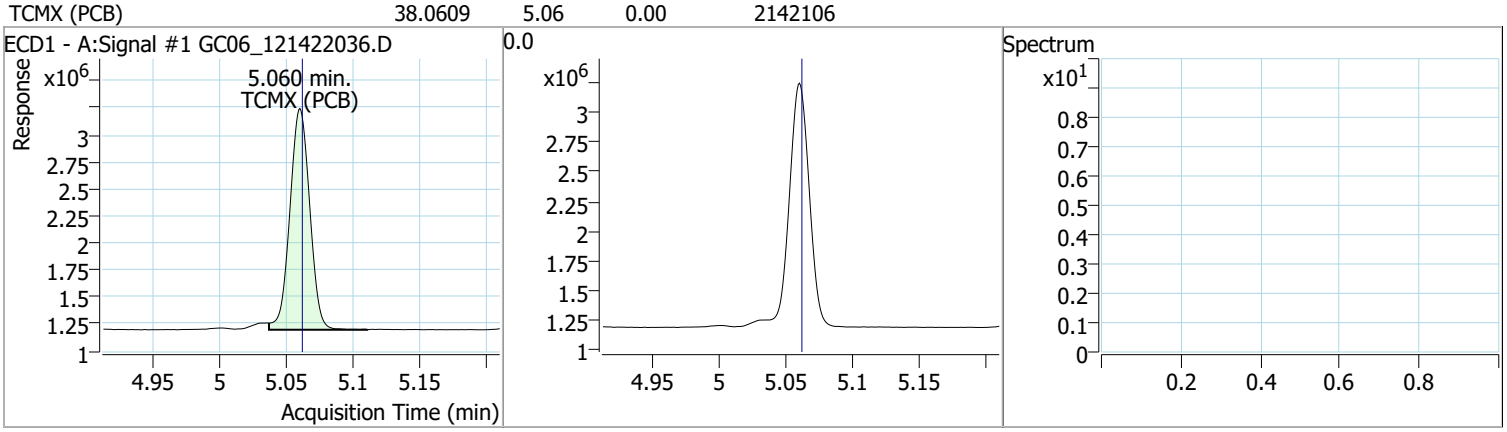


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	1170614.891	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.523	0.0	5560466.743	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.060	0.0	2142105.786	38.0609	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 190.30%		*	
S TCMX (PCB) #2	5.457	0.0	10143002.715	37.9833	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 189.92%		*	
S Decachlorobiphenyl (PCB)	12.070	0.0	3887450.334	50.4694	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 252.35%		*	
S Decachlorobiphenyl (PCB) #2	13.471	0.0	14360207.132	48.6607	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 243.30%		*	
Target Compounds							QValue

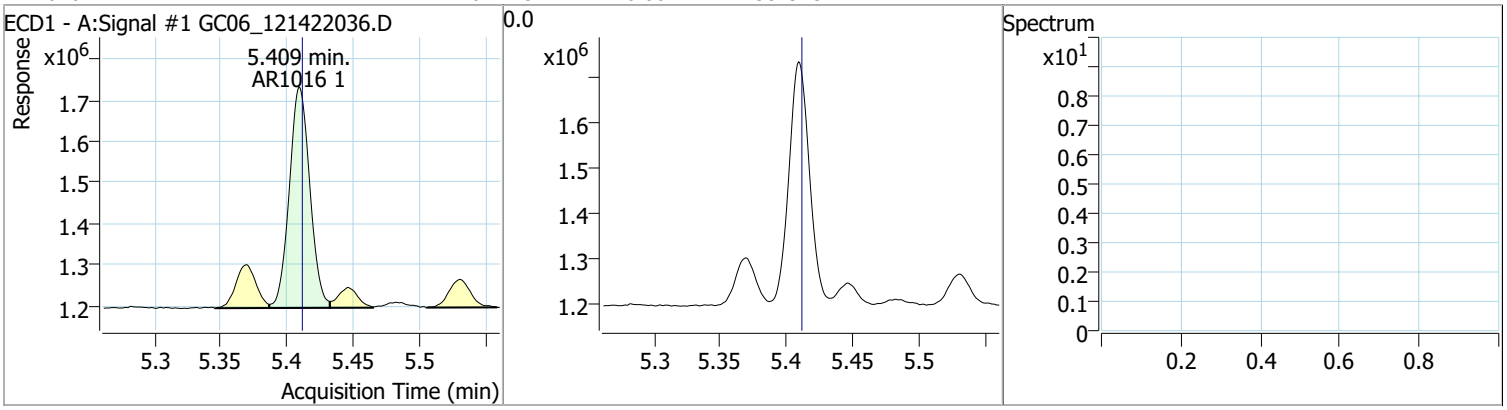
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.409	0.0	581923.263	474.1470	ng/ml		100
T AR1016 2	5.750	0.0	1240467.750	492.9343	ng/ml		100
T AR1016 1 #2	5.953	0.0	2803596.784	485.1257	ng/ml		100
T AR1016 3	6.223	0.0	1485471.598	477.3799	ng/ml		100
T AR1016 4	6.366	0.0	1142611.085	482.7964	ng/ml		100
T AR1016 2 #2	6.392	0.0	4003829.191	479.9365	ng/ml	m	100
T AR1016 5	6.562	0.0	671733.158	352.3874	ng/ml		100
T AR1016 3 #2	6.966	0.0	7071121.104	466.4872	ng/ml		100
T AR1016 4 #2	7.152	0.0	5119860.779	473.1151	ng/ml		100
T AR1016 5 #2	7.302	0.0	3228212.132	366.9976	ng/ml		100
T AR1260 1	8.772	0.0	1715585.022	433.4614	ng/ml		100
T AR1260 2	9.255	0.0	2611796.697	432.9543	ng/ml		100
T AR1260 3	9.682	0.0	2780301.428	440.9482	ng/ml		100
T AR1260 1 #2	10.023	0.0	6971544.602	421.2953	ng/ml		100
T AR1260 4	10.162	0.0	1666849.357	485.0722	ng/ml		100
T AR1260 2 #2	10.282	0.0	8492123.601	427.1122	ng/ml		100
T AR1260 3 #2	10.703	0.0	9880429.306	392.5936	ng/ml		100
T AR1260 5	10.850	0.0	1953045.681	260.1344	ng/ml		100
T AR1260 4 #2	11.117	0.0	6295125.783	432.0895	ng/ml		100
T AR1260 5 #2	11.381	0.0	12813113.069	593.9738	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

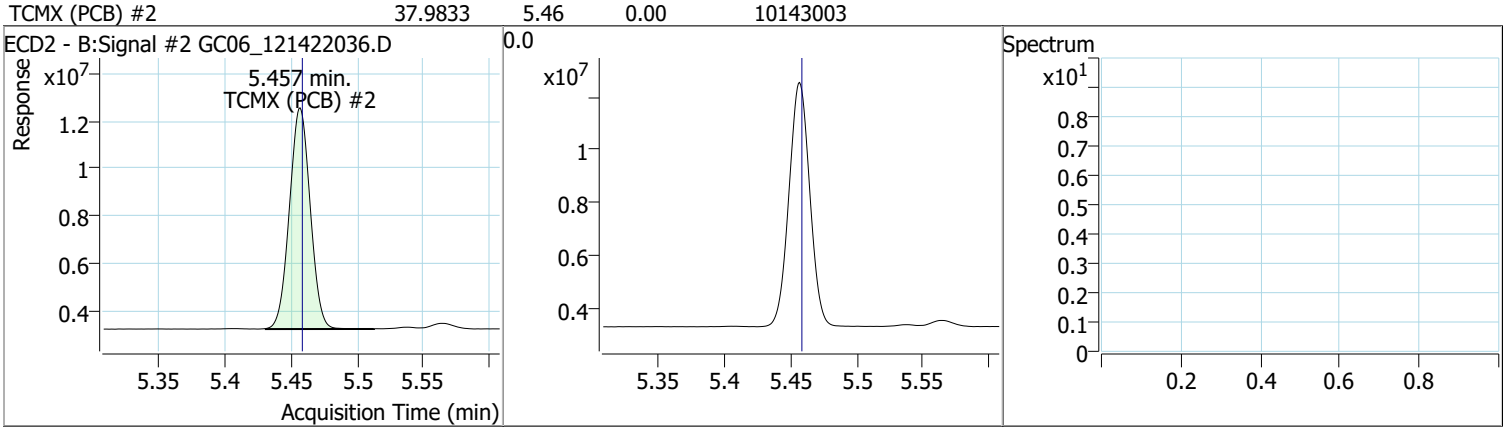
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	38.0609	5.06	0.00	2142106				



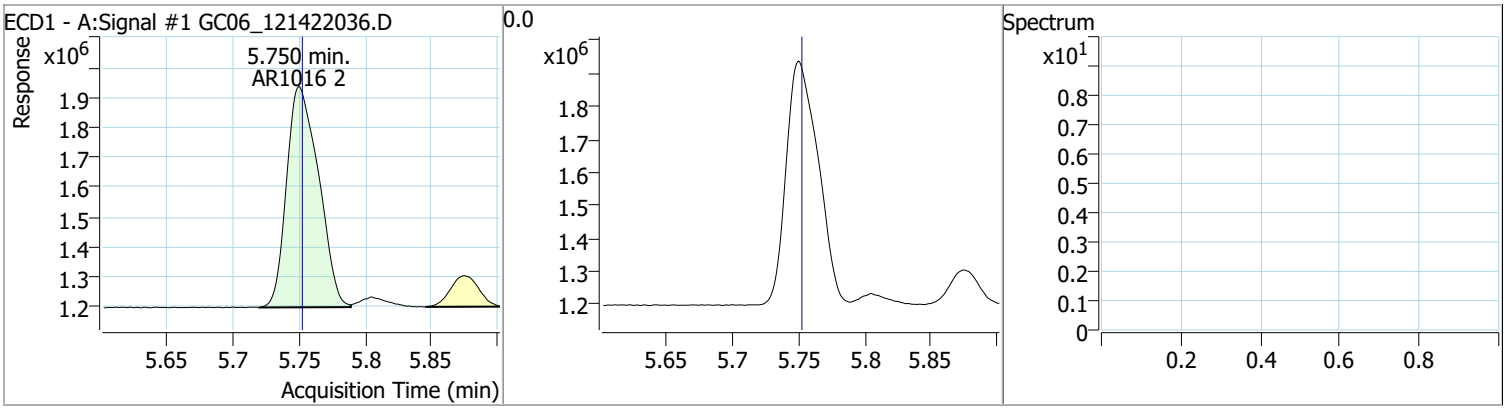
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	474.1470	5.41	0.00	581923				



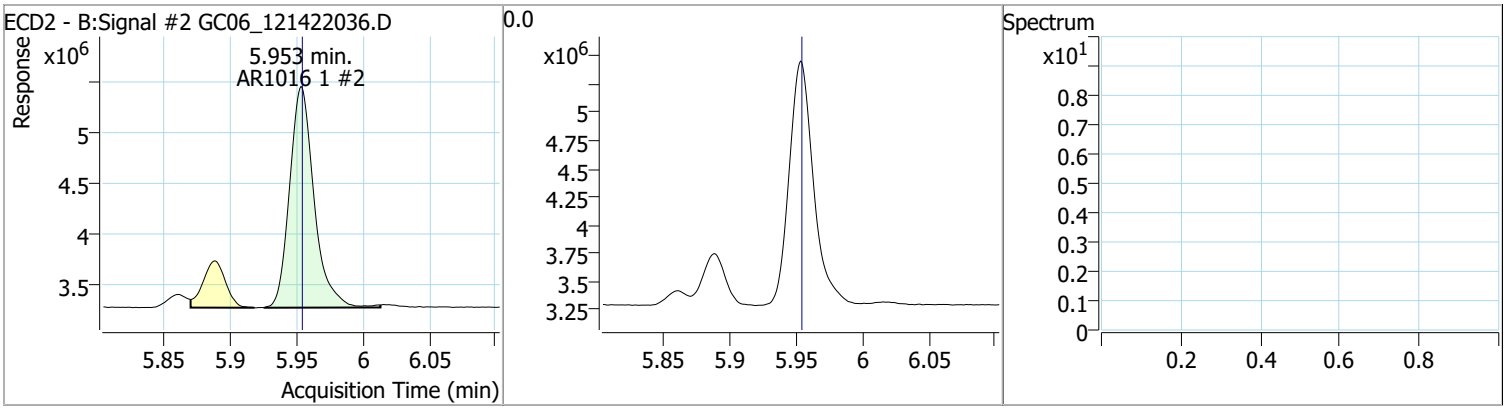
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.9833	5.46	0.00	10143003				



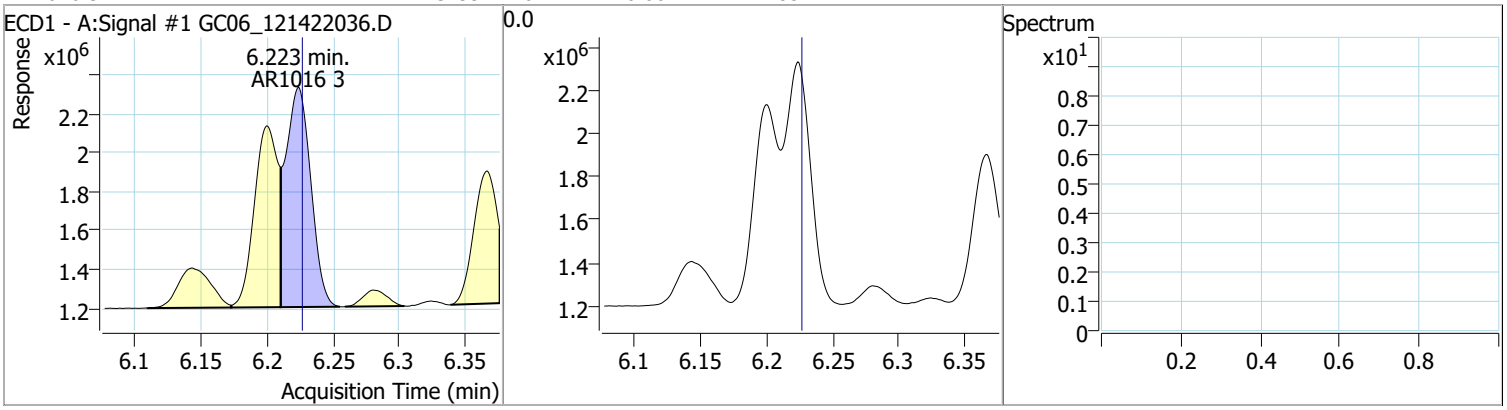
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	492.9343	5.75	0.00	1240468				



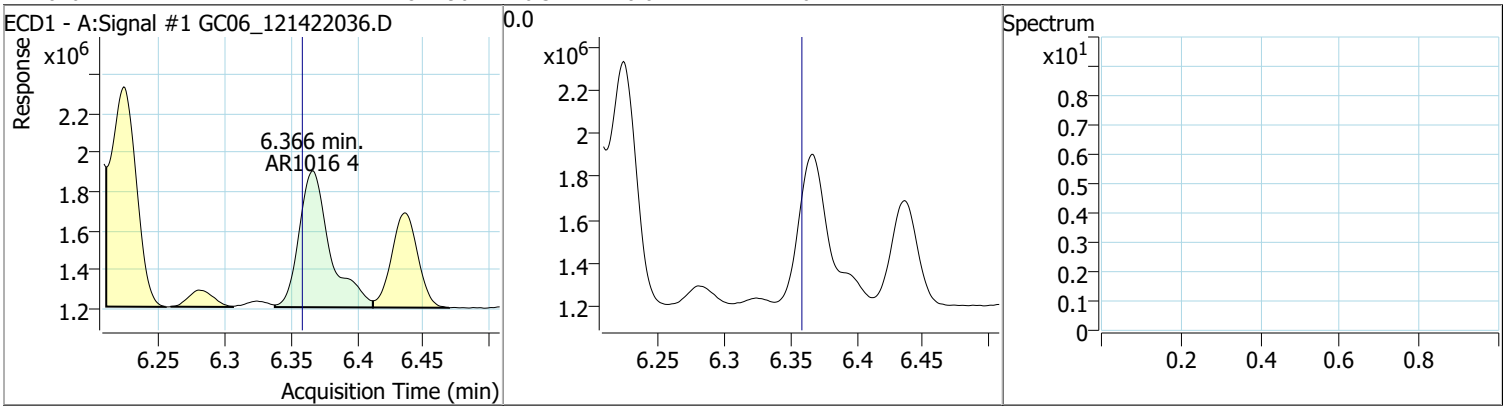
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	485.1257	5.95	0.00	2803597				



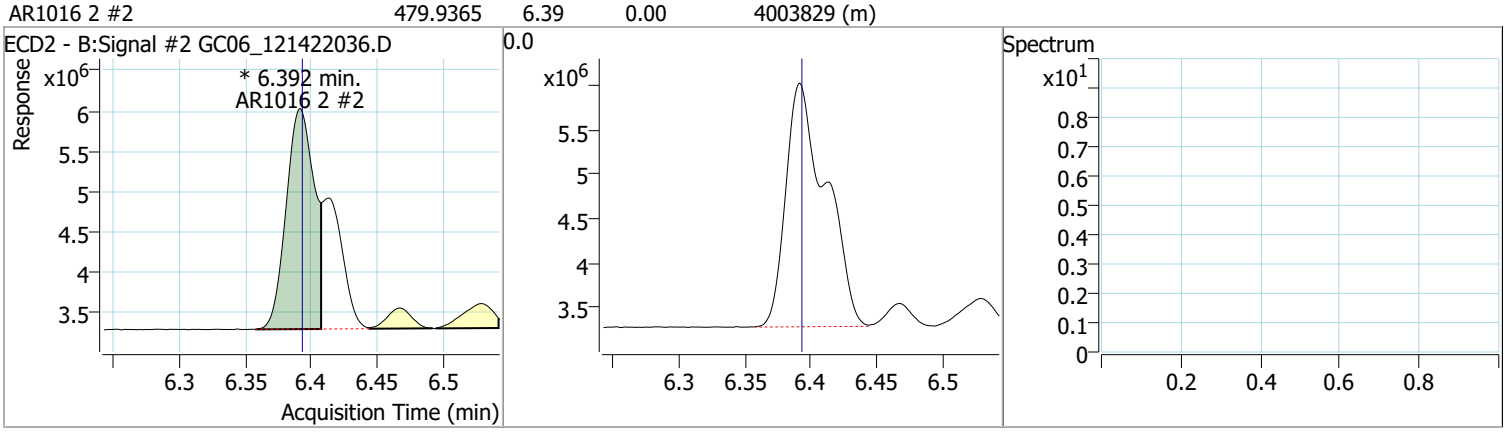
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	477.3799	6.22	0.00	1485472				



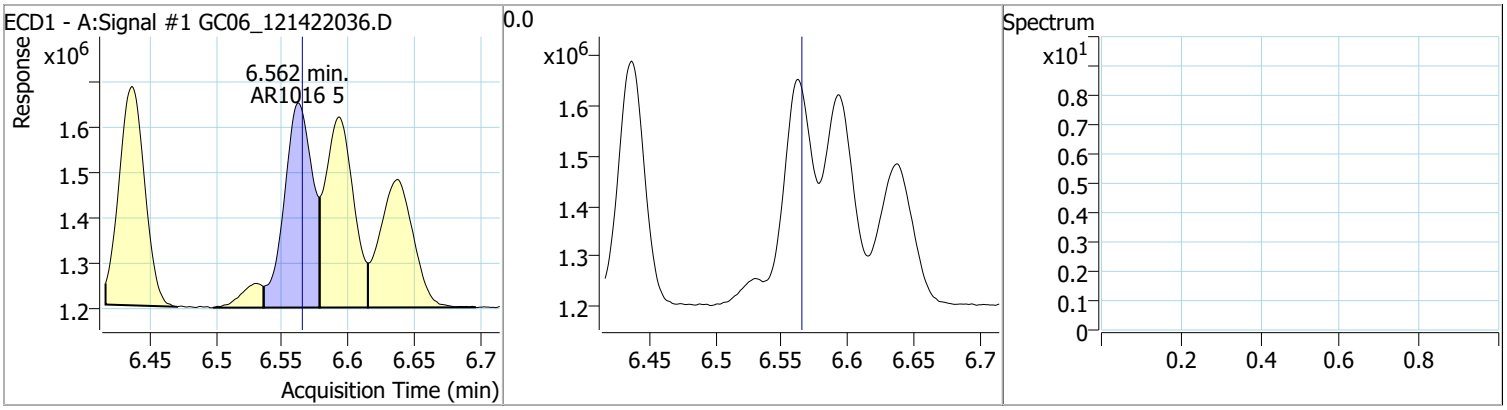
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	482.7964	6.37	0.01	1142611				



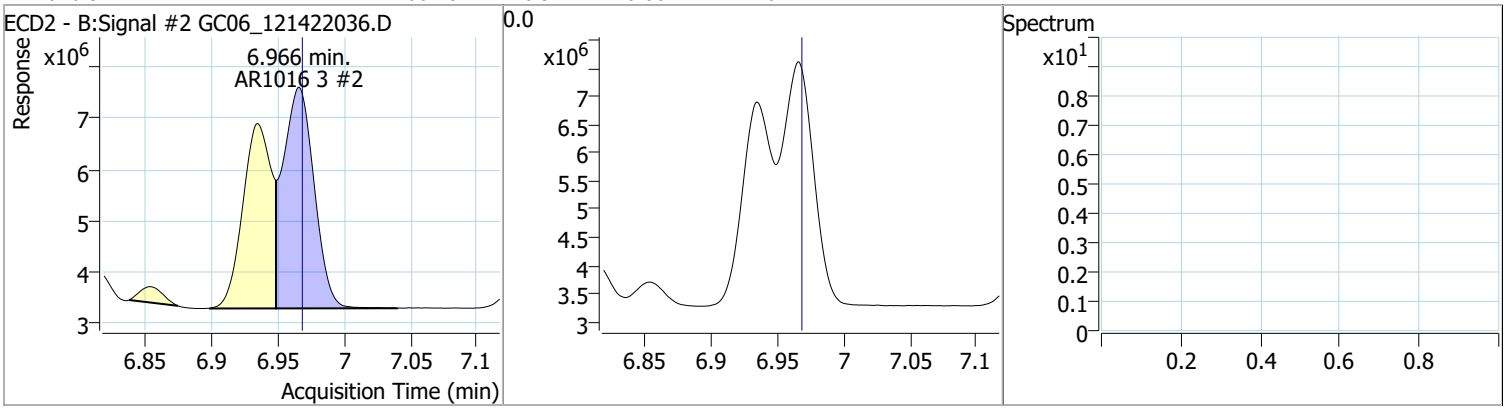
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	479.9365	6.39	0.00	4003829 (m)				



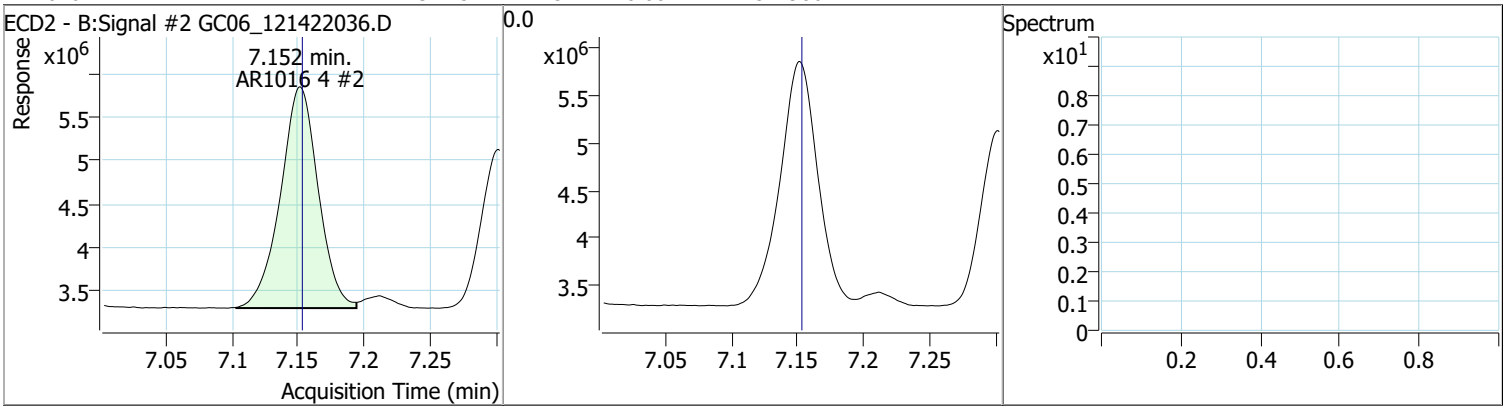
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	352.3874	6.56	-0.01	671733				



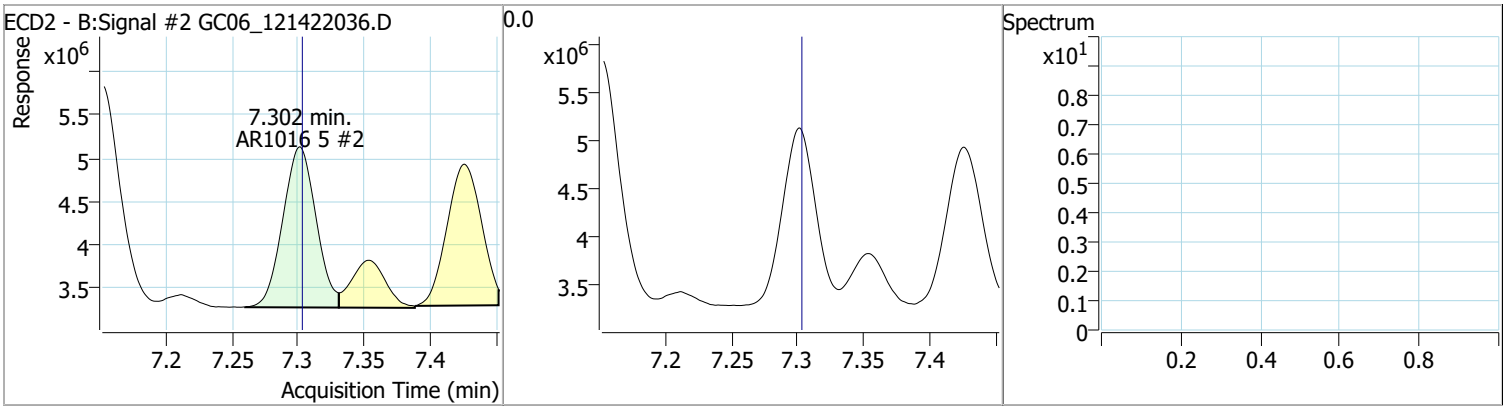
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	466.4872	6.97	0.00	7071121				



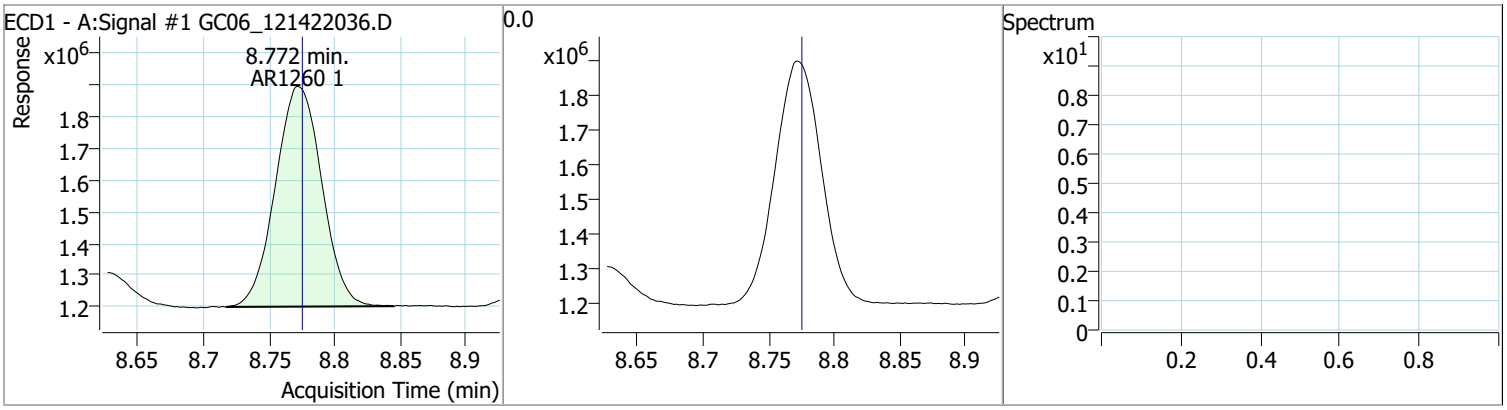
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	473.1151	7.15	0.00	5119861				



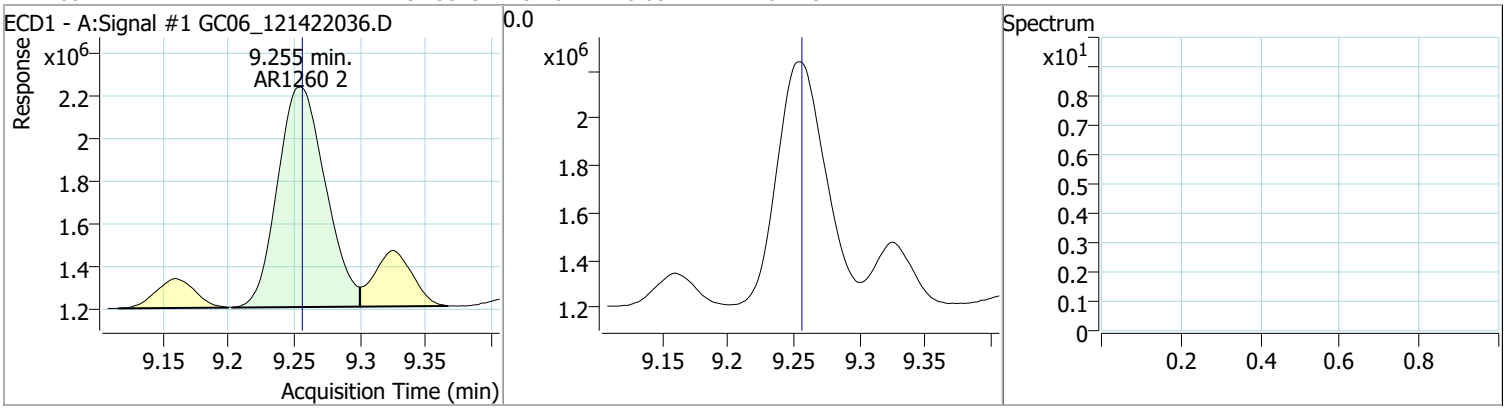
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	366.9976	7.30	0.00	3228212				



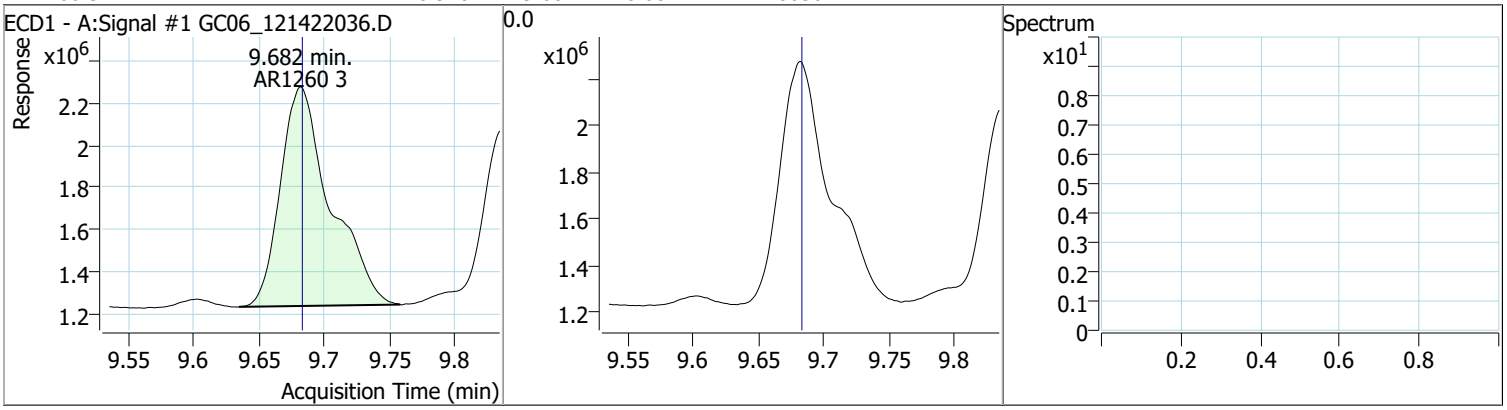
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	433.4614	8.77	-0.01	1715585				



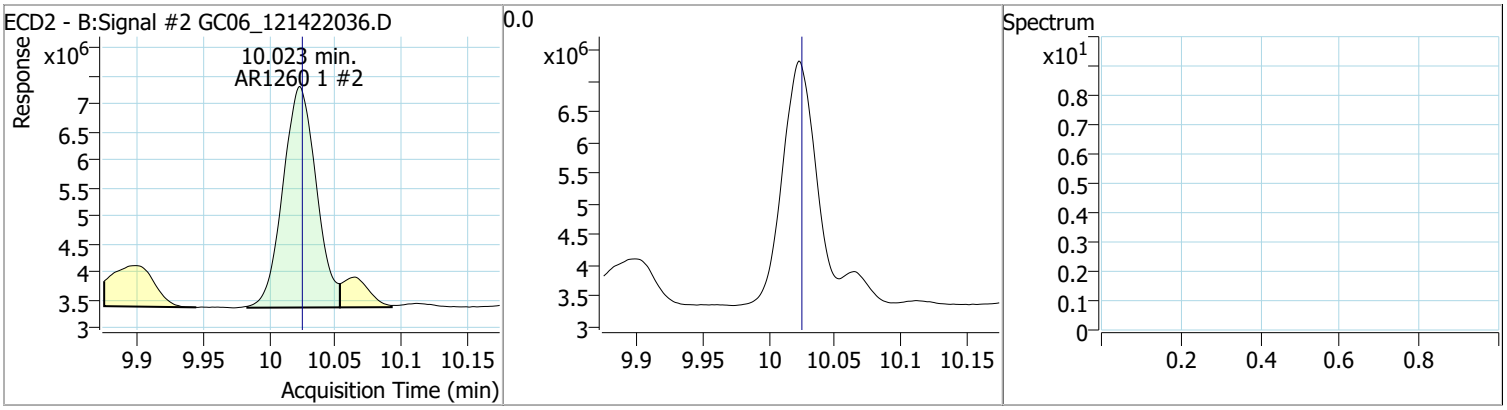
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	432.9543	9.26	0.00	2611797				



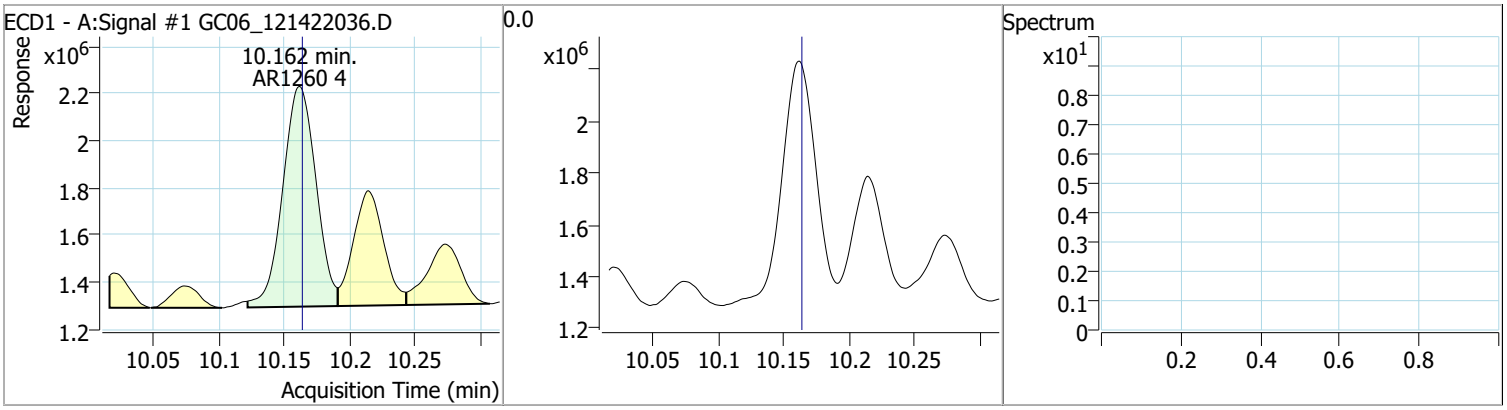
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	440.9482	9.68	0.00	2780301				



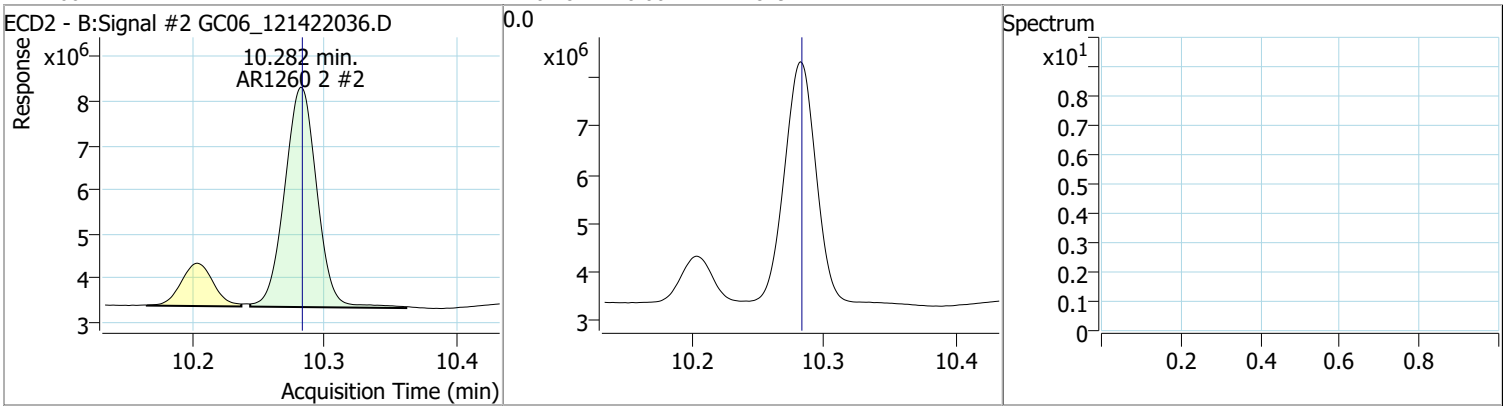
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	421.2953	10.02	0.00	6971545				



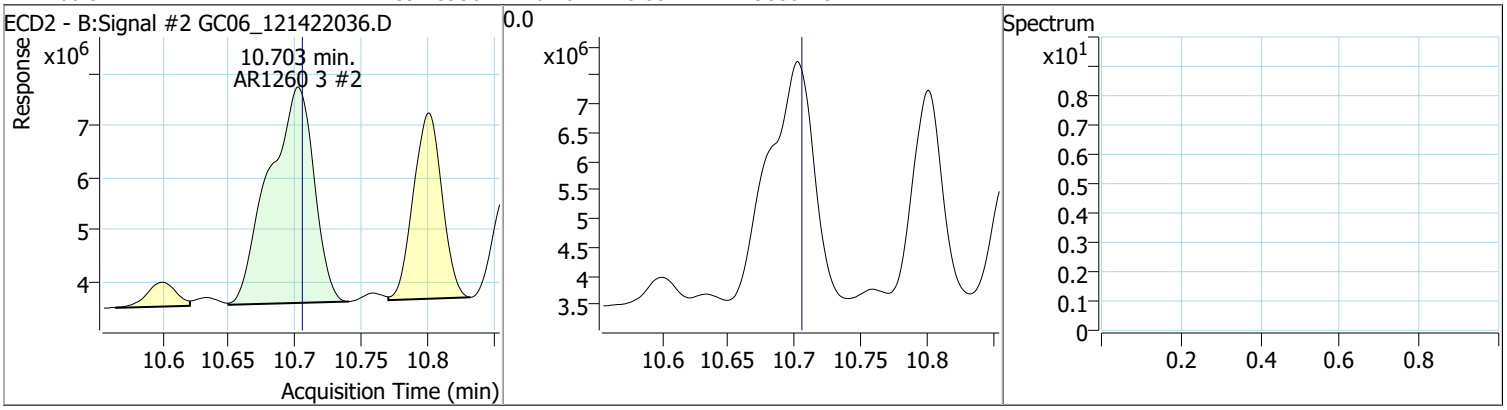
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	485.0722	10.16	-0.01	1666849				



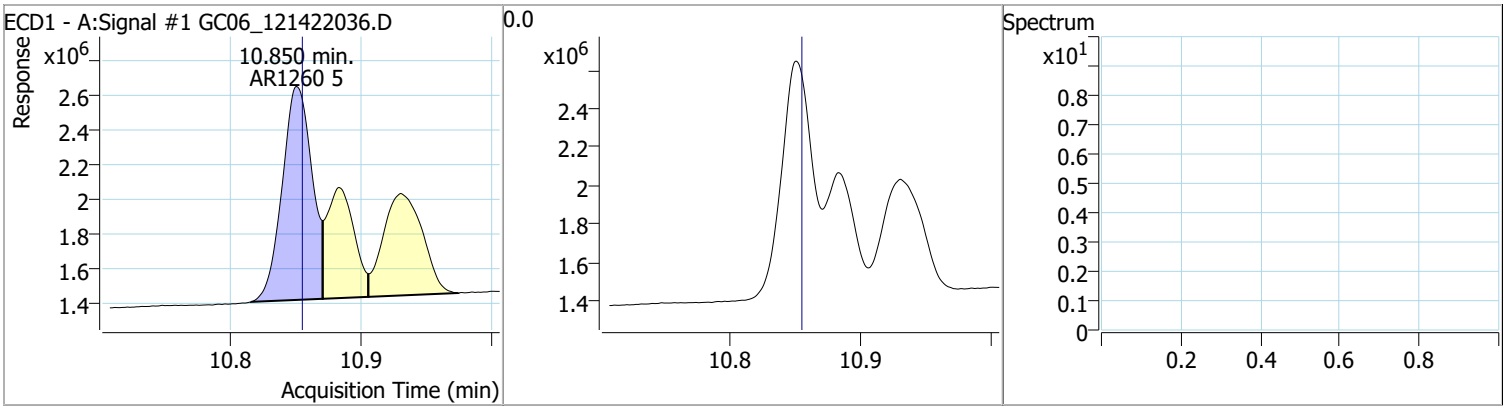
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	427.1122	10.28	0.00	8492124				



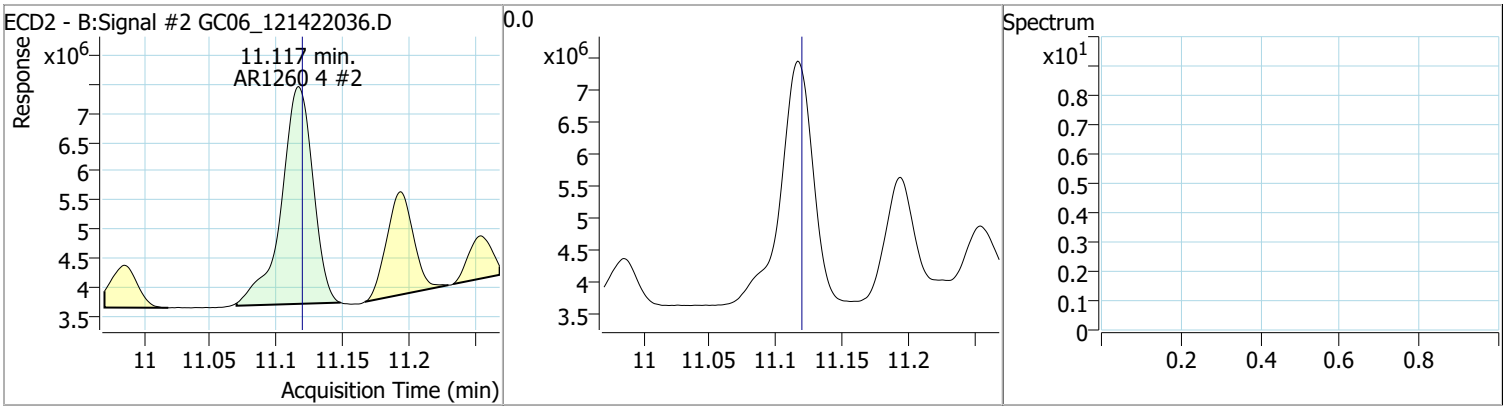
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	392.5936	10.70	0.00	9880429				



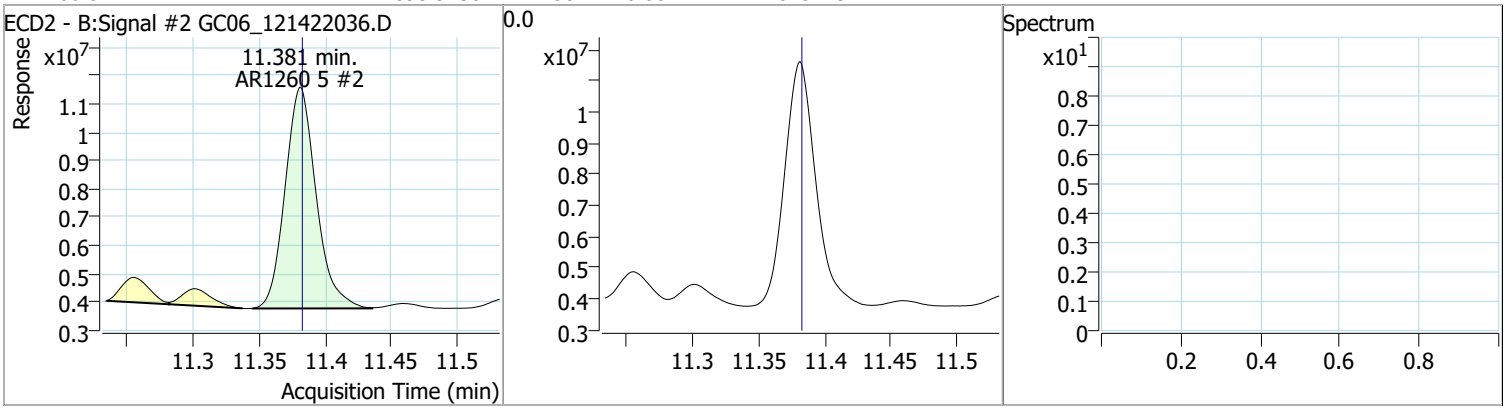
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	260.1344	10.85	-0.01	1953046				



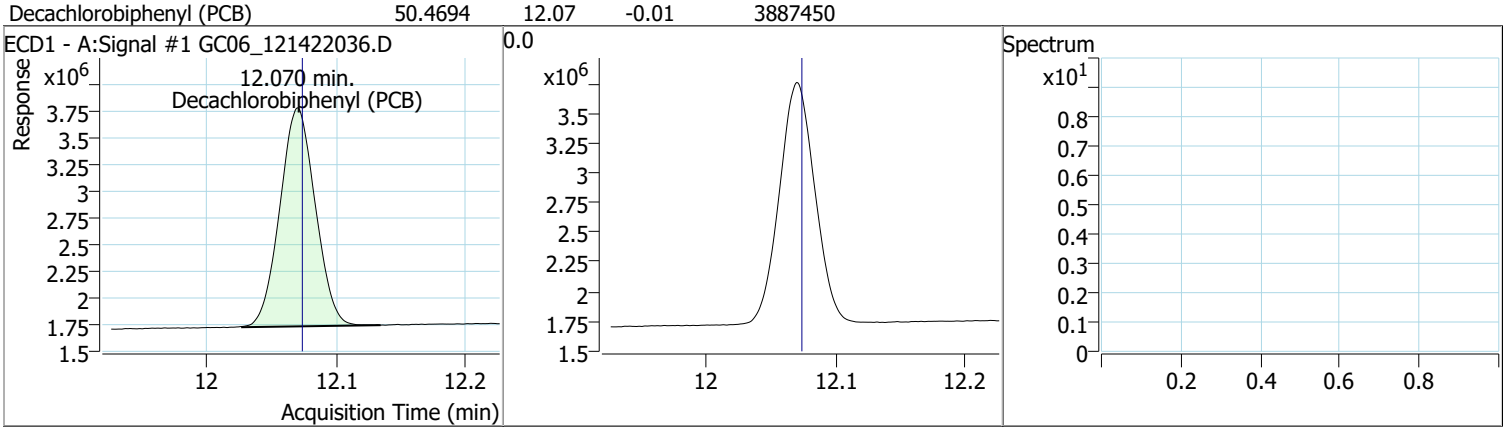
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	432.0895	11.12	0.00	6295126				



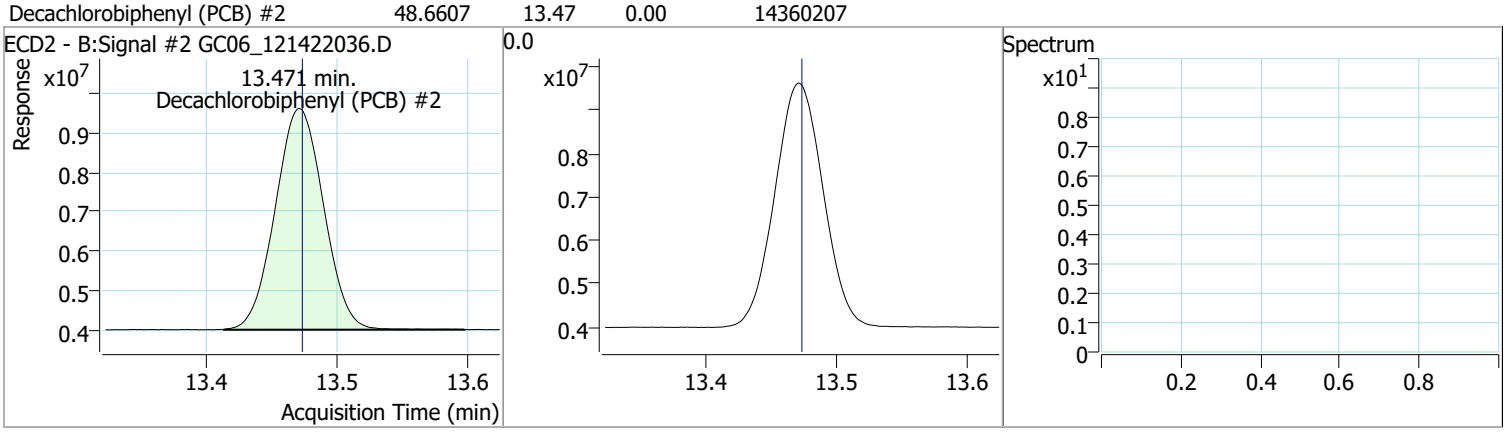
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	593.9738	11.38	0.00	12813113				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	50.4694	12.07	-0.01	3887450				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	48.6607	13.47	0.00	14360207				



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 474716
Report Level: IV
Report Date: 12/22/2022

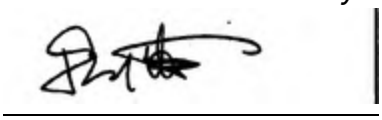
PCBs

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	474716
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	12/09/22

Sample ID	Lab ID	Collected	Matrix
ARCH-C5W-EXT-1 TO 2-221209-P-DUP-WF	474716-001	12/09/22 12:30	Wipe
ARCH-C3W-DG-1.5 TO 2-DN-C3W-DG-221209-P-DUP-LA	474716-002	12/09/22 12:45	Wipe
ARCH-C5W-DG-2.5 TO 3-UP-C5.6-DG-221209-P-DUP-LA	474716-003	12/09/22 13:10	Wipe
ARCH-C5W-INT-4.5 TO 5.5-221209-P-DUP-WF	474716-004	12/09/22 13:50	Wipe
20221209-3CD-01	474716-005	12/09/22 12:35	Wipe
20221209-3CD-01-DUP	474716-006	12/09/22 12:35	Wipe
20221209-3CD-02	474716-007	12/09/22 12:50	Wipe
20221209-3CD-02-DUP	474716-008	12/09/22 12:50	Wipe
20221209-3CD-03	474716-009	12/09/22 13:15	Wipe
20221209-3CD-03-DUP	474716-010	12/09/22 13:15	Wipe
20221209-3CD-04	474716-011	12/09/22 13:35	Wipe
20221209-3CD-04-DUP	474716-012	12/09/22 13:35	Wipe
20221209-3CD-05	474716-013	12/09/22 13:55	Wipe
20221209-3CD-05-DUP	474716-014	12/09/22 13:55	Wipe
ARCH-C2W-DG-4 TO 4.5-UP-C2.7-DG-221209-P-DUP-LA	474716-015	12/09/22 13:30	Wipe

ENTHALPY ANALYTICAL

Case Narrative

PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 474716 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 12/09/22

This data package contains sample and QC results for fifteen wipe samples, requested for the above referenced project on 12/09/22. See attached cooler receipt form for any sample receipt problems or discrepancies.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

4797/6

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 2 (1 MC)

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:	X		

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 S = NaOH 6 = Other

Report: Level IV

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3580/8082	PCBs - EPA Method 3546/8082	HOLD	Test Instructions / Comments
1	ARCH-C5W-EXT-1 TO 2-221209-P-DUP- WF	12/9/2022	1230	WP	1		X			**Confirmation Wipe Samples - Level IV Report/Stage 3 Validation**
2	ARCH-C3W-DG-1.5 TO 2-DN-C3W-DG-221209-P-DUP- LA	12/9/2022	1245	WP	1		X			Report PCB concentrations on a µg/100cm² basis
3	ARCH-C5W-DG-2.5 TO 3-UP-C5.6-DG-221209-P-DUP- LA	12/9/2022	1310	WP	1		X			Report Aroclor 1268 concentrations in addition to the standard Aroclors
4	~~ARCH-C3W-DG-4 TO 4.5-221209-P-DUP-~~	~~12/9/2022~~		WP	1		X			
5	ARCH-C5W-INT-4.5 TO 5.5-221209-P-DUP- WF	12/9/2022	1350	WP	1		X			Wipe samples collected from Zone 3 Enclosure C/D
6	20221209-3CD-01	12/9/2022	1235	WP	1			X		
7	20221209-3CD-01-DUP	12/9/2022	1235	WP	1		X			
8	20221209-3CD-02	12/9/2022	1250	WP	1			X		
9	20221209-3CD-02-DUP	12/9/2022	1250	WP	1		X			
10	20221209-3CD-03	12/9/2022	1315	WP	1			X		
11	20221209-3CD-03-DUP	12/9/2022	1315	WP	1		X			
12	20221209-3CD-04	12/9/2022	1335	WP	1			X		2 x Rivet Type 2 = 13.546cm²
13	20221209-3CD-04-DUP	12/9/2022	1335	WP	1		X			
14	20221209-3CD-05	12/9/2022	1355	WP	1			X		
15	20221209-3CD-05-DUP	12/9/2022	1355	WP	1		X			

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon/Env Scientist	12/9/22 @ 1530
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	12/9/22 @ 15:30
2 Relinquished By:	Audrey Hudson	" "	" "	12/9/22 16:50
2 Received By:			@ H	12/9/22 16:50
3 Relinquished By:				
3 Received By:		Elizabeth Ramirez	EA - Orange	12/10/22 8:05

codex #11: 2.5/1.6

474716

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:	~~X (PCBs)~~ MK	5 Day:		3 Day:	
2 Day:		1 Day:	X	Custom TAT:	

Enthalpy Analytical - Orange

931 W. 8arkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 S = NaOH 6 = Other

Report: Level IV

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082 (PCBs-EPA Method 3580/8082)	HOLD	Test Instructions / Comments
1	~~ARCH-C3W-EXT-1 TO 2-221209-P-~~	~~12/9/2022~~		WP	1		X		
2	~~ARCH-C3W-DG-1.5 TO 2-DN-C3W-DG-221209-P-~~	~~12/9/2022~~		WP	1		X		
3	~~ARCH-C3W-DG-2.5 TO 3-UP-C3.6-DG-221209-P-~~	~~12/9/2022~~		WP	1		X		
4	~~ARCH-C3W-DG-4 TO 4.5-221209-P-~~	~~12/9/2022~~		WP	1		X		
5	~~ARCH-C3W-INT-4.5 TO 5.5-221209-P-~~	~~12/9/2022~~		WP	1		X		
16 6	ARCH-C2W-DG-4TO4.5-	12/9/22	1330	WP	1		X		1x Rivet Type 2 = 9.273cm²
7	UP-C2.7-DG-221209-P-DUP-LA								
8									
9									
10									
11									
12									
13									
14									
15									

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 3 Enclosure C/D

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon/Env Scientist	12/9/22 @ 1530
1 Received By:	Audrey Hudson	Audrey Hudson	ENTHALPY	12/9/22 @ 15:30
2 Relinquished By:	Audrey Hudson	"	"	12/9/22 16:50
2 Received By:		Mmemoli 4/5	R1	12/9/22 16:50
3 Relinquished By:				
3 Received By:		Elizabeth Ream	EA	12/10/22 8:05

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 474716 Client: Rincon

Date Received: 12.9.22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 12.9.22 By (print) Jak Peterson (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☑ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☑ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☑ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 12.9.22 **By (print)** JP for MY **(sign)** _____

Date Labeled 12.9.22 **By (print)** Jak Peterson **(sign)** _____

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 -NCTRA WP

Date Received: 12/10/22 Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 2.5 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: TPX

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.6 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 12/10/22

Results & QC Summary

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 474716 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C5W-EXT-1 TO 2-221209-P-DUP-WF **Batch#:** 303181 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474716-001 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

Diln Fac: 1.000 **Analyzed:** 12/14/22

474716-001 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474716-001 Surrogate	%REC	Limits
TCMX (PCB)	82	52-186
Decachlorobiphenyl (PCB)	75	50-150

Field ID: ARCH-C3W-DG-1.5 TO 2-DN-C3W-DG-221209-P-DUP-LA **Batch#:** 303181 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474716-002 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

Diln Fac: 1.000 **Analyzed:** 12/14/22

474716-002 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474716-002 Surrogate	%REC	Limits
TCMX (PCB)	72	52-186
Decachlorobiphenyl (PCB)	58	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 474716 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C5W-DG-2.5 TO 3-UP-C5.6-DG-221209-P-DUP-LA **Batch#:** 303181 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474716-003 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

DiIn Fac: 1.000 **Analyzed:** 12/14/22

474716-003 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474716-003 Surrogate	%REC	Limits
TCMX (PCB)	75	52-186
Decachlorobiphenyl (PCB)	67	50-150

Field ID: ARCH-C5W-INT-4.5 TO 5.5-221209-P-DUP-WF **Batch#:** 303181 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474716-004 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

DiIn Fac: 1.000 **Analyzed:** 12/14/22

474716-004 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474716-004 Surrogate	%REC	Limits
TCMX (PCB)	72	52-186
Decachlorobiphenyl (PCB)	63	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 474716 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 20221209-3CD-01-DUP **Batch#:** 303181 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474716-006 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

Dil n Fac: 1.000 **Analyzed:** 12/14/22

474716-006 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474716-006 Surrogate	%REC	Limits
TCMX (PCB)	77	52-186
Decachlorobiphenyl (PCB)	74	50-150

Field ID: 20221209-3CD-02-DUP **Batch#:** 303181 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474716-008 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

Dil n Fac: 1.000 **Analyzed:** 12/14/22

474716-008 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474716-008 Surrogate	%REC	Limits
TCMX (PCB)	68	52-186
Decachlorobiphenyl (PCB)	58	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 474716 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 20221209-3CD-03-DUP **Batch#:** 303181 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474716-010 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

Diln Fac: 1.000 **Analyzed:** 12/14/22

474716-010 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474716-010 Surrogate	%REC	Limits
TCMX (PCB)	70	52-186
Decachlorobiphenyl (PCB)	64	50-150

Field ID: 20221209-3CD-04-DUP **Batch#:** 303181 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474716-012 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

Diln Fac: 1.000 **Analyzed:** 12/14/22

474716-012 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474716-012 Surrogate	%REC	Limits
TCMX (PCB)	72	52-186
Decachlorobiphenyl (PCB)	67	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 474716 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 20221209-3CD-05-DUP **Batch#:** 303181 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474716-014 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

Diln Fac: 1.000 **Analyzed:** 12/14/22

474716-014 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474716-014 Surrogate	%REC	Limits
TCMX (PCB)	75	52-186
Decachlorobiphenyl (PCB)	89	50-150

Field ID: ARCH-C2W-DG-4 TO 4.5-UP-C2.7-DG-221209-P-DUP-LA **Batch#:** 303181 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474716-015 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

Diln Fac: 1.000 **Analyzed:** 12/14/22

474716-015 Analyte	Result	RL	Units
Aroclor-1016	ND	0.46	ug/100 cm2
Aroclor-1221	ND	0.46	ug/100 cm2
Aroclor-1232	ND	0.46	ug/100 cm2
Aroclor-1242	ND	0.46	ug/100 cm2
Aroclor-1248	ND	0.46	ug/100 cm2
Aroclor-1254	ND	0.46	ug/100 cm2
Aroclor-1260	ND	0.46	ug/100 cm2
Aroclor-1262	ND	0.46	ug/100 cm2
Aroclor-1268	ND	0.46	ug/100 cm2

474716-015 Surrogate	%REC	Limits
TCMX (PCB)	75	52-186
Decachlorobiphenyl (PCB)	94	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 474716 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 303181 **Analysis:** EPA 8082

Lab ID: QC1031896 **Prepared:** 12/14/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 12/14/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1031896 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1031896 Surrogate	%REC	Limits
TCMX (PCB)	96	52-186
Decachlorobiphenyl (PCB)	88	60-140

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report

Lab #: 474716 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 20221209-3CD-01 **Batch#:** 303182 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474716-005 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

Diln Fac: 1.000 **Analyzed:** 12/15/22

474716-005 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474716-005 Surrogate	%REC	Limits
TCMX (PCB)	84	19-121
Decachlorobiphenyl (PCB)	76	19-121

Field ID: 20221209-3CD-02 **Batch#:** 303182 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474716-007 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

Diln Fac: 1.000 **Analyzed:** 12/15/22

474716-007 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474716-007 Surrogate	%REC	Limits
TCMX (PCB)	61	19-121
Decachlorobiphenyl (PCB)	61	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 474716 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 20221209-3CD-03 **Batch#:** 303182 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474716-009 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

DiIn Fac: 1.000 **Analyzed:** 12/15/22

474716-009 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474716-009 Surrogate	%REC	Limits
TCMX (PCB)	66	19-121
Decachlorobiphenyl (PCB)	64	19-121

Field ID: 20221209-3CD-04 **Batch#:** 303182 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474716-011 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

DiIn Fac: 1.000 **Analyzed:** 12/15/22

474716-011 Analyte	Result	RL	Units
Aroclor-1016	ND	0.42	ug/100 cm2
Aroclor-1221	ND	0.42	ug/100 cm2
Aroclor-1232	ND	0.42	ug/100 cm2
Aroclor-1242	ND	0.42	ug/100 cm2
Aroclor-1248	ND	0.42	ug/100 cm2
Aroclor-1254	ND	0.42	ug/100 cm2
Aroclor-1260	ND	0.42	ug/100 cm2
Aroclor-1262	ND	0.42	ug/100 cm2
Aroclor-1268	ND	0.42	ug/100 cm2

474716-011 Surrogate	%REC	Limits
TCMX (PCB)	66	19-121
Decachlorobiphenyl (PCB)	54	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 474716 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 20221209-3CD-05 **Batch#:** 303182 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 12/09/22 **Analysis:** EPA 8082

Lab ID: 474716-013 **Received:** 12/09/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/14/22

Diln Fac: 1.000 **Analyzed:** 12/15/22

474716-013 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

474716-013 Surrogate	%REC	Limits
TCMX (PCB)	76	19-121
Decachlorobiphenyl (PCB)	60	19-121

Type: BLANK **Batch#:** 303182 **Analysis:** EPA 8082

Lab ID: QC1031899 **Prepared:** 12/14/22 **Analyst:** MES

Matrix: Wipe **Analyzed:** 12/15/22

Diln Fac: 1.000 **Prep:** EPA 3546

QC1031899 Analyte	Result	RL	Units
Aroclor-1016	ND	0.25	ug/100 cm2
Aroclor-1221	ND	0.41	ug/100 cm2
Aroclor-1232	ND	0.25	ug/100 cm2
Aroclor-1242	ND	0.25	ug/100 cm2
Aroclor-1248	ND	0.25	ug/100 cm2
Aroclor-1254	ND	0.25	ug/100 cm2
Aroclor-1260	ND	0.25	ug/100 cm2
Aroclor-1262	ND	0.25	ug/100 cm2
Aroclor-1268	ND	0.46	ug/100 cm2

QC1031899 Surrogate	%REC	Limits
TCMX (PCB)	81	19-121
Decachlorobiphenyl (PCB)	68	19-121

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 474716 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 303181 **Analysis:** EPA 8082

Lab ID: QC1031897 **Prepared:** 12/14/22 **Analyst:** MES

Matrix: Wipe **Analyzed:** 12/14/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1031897 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.732	115	60-140	ug/100 cm2
Aroclor-1260	5.000	5.120	102	60-140	ug/100 cm2

QC1031897 Surrogate	%REC	Limits
TCMX (PCB)	102	52-186
Decachlorobiphenyl (PCB)	93	60-140

Type: BSD **Batch#:** 303181 **Analysis:** EPA 8082

Lab ID: QC1031898 **Prepared:** 12/14/22 **Analyst:** MES

Matrix: Wipe **Analyzed:** 12/14/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1031898 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.919	118	60-140	ug/100 cm2	3	20
Aroclor-1260	5.000	5.577	112	60-140	ug/100 cm2	9	20

QC1031898 Surrogate	%REC	Limits
TCMX (PCB)	103	52-186
Decachlorobiphenyl (PCB)	98	60-140

Legend

RPD: Relative Percent Difference

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 474716 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 303182 **Analysis:** EPA 8082

Lab ID: QC1031900 **Prepared:** 12/14/22 **Analyst:** MES

Matrix: Wipe **Analyzed:** 12/15/22

Diln Fac: 1.000 **Prep:** EPA 3546

QC1031900 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.910	78	60-140	ug/100 cm2
Aroclor-1260	5.000	3.780	76	60-140	ug/100 cm2

QC1031900 Surrogate	%REC	Limits
TCMX (PCB)	74	19-121
Decachlorobiphenyl (PCB)	63	19-121

Type: BSD **Batch#:** 303182 **Analysis:** EPA 8082

Lab ID: QC1031901 **Prepared:** 12/14/22 **Analyst:** MES

Matrix: Wipe **Analyzed:** 12/15/22

Diln Fac: 1.000 **Prep:** EPA 3546

QC1031901 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.672	93	60-140	ug/100 cm2	18	20
Aroclor-1260	5.000	4.468	89	60-140	ug/100 cm2	17	20

QC1031901 Surrogate	%REC	Limits
TCMX (PCB)	91	19-121
Decachlorobiphenyl (PCB)	79	19-121

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 474716 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_102422014	452428510014		24-OCT-2022 17:26	S17263
L2	gc06_102422015	452428510015		24-OCT-2022 17:44	S17264
L3	gc06_102422016	452428510016		24-OCT-2022 18:02	S17265
L4	gc06_102422017	452428510017		24-OCT-2022 18:20	S17266
L5	gc06_102422018	452428510018		24-OCT-2022 18:38	S17267
L6	gc06_102422019	452428510019		24-OCT-2022 18:55	S17268
L7	gc06_102422020	452428510020		24-OCT-2022 19:13	S17269
L8	gc06_102422021	452428510021		24-OCT-2022 19:31	S17270
L9	gc06_102422022	452428510022		24-OCT-2022 19:49	S17271

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		47.6898		0.0210		15	9	.99	20	
Aroclor-1016 Peak # 2	A	LINR	-15.389	23.9841		0.0490	0.997		7	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		18.8095		0.0532		15	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		24.7311		0.0404		14	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		30.7045		0.0326		15	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		14.7882		0.0676		18	8	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		9.70243		0.1031		17	8	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		9.28268		0.1077		17	8	.99	20	
Aroclor-1260 Peak # 4	A	LINR	-15.439	17.5746		0.0643	0.998		7	.99	20	
Aroclor-1260 Peak # 5	A	LINR	-18.106	8.33830		0.1368	0.999		8	.99	20	
Decachlorobiphenyl (PCB)	A	LINR	-4.3231	0.82496		1.4080	0.999		6	.99	20	
TCMX (PCB)	A	AVRG		1.03996		0.9616		13	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		48.1076		0.0208		13	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		33.3260		0.0300		14	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		18.3412		0.0545		16	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		25.6912		0.0389		12	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		31.6065		0.0316		13	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		16.8009		0.0595		14	8	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		13.9830		0.0715		15	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		11.0470		0.0905		16	8	.99	20	
Aroclor-1260 Peak # 4	B	LINR	-23.653	20.1271		0.0597	0.996		7	.99	20	
Aroclor-1260 Peak # 5	B	LINR	-18.665	13.2930		0.0873	0.999		8	.99	20	
Decachlorobiphenyl (PCB)	B	LINR	-2.1138	0.98301		1.2084	0.999		8	.99	20	
TCMX (PCB)	B	AVRG		1.04112		0.9605		10	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor
LINR: Linear regression

ENTHALPY INITIAL CALIBRATION FOR 474716 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0275	0.0229	0.0229	0.0213	0.0183	0.0203	0.0197	0.0189	0.0170
Aroclor-1016 Peak # 2	A	0.0705	0.0493	0.0498	0.0471	0.0402	0.0443	0.0419		
Aroclor-1016 Peak # 3	A	0.0694	0.0572	0.0577	0.0553	0.0469	0.0521	0.0499	0.0477	0.0422
Aroclor-1016 Peak # 4	A	0.0506	0.0443	0.0443	0.0420	0.0361	0.0399	0.0381	0.0367	0.0320
Aroclor-1016 Peak # 5	A	0.0417	0.0355	0.0355	0.0335	0.0292	0.0321	0.0306	0.0296	0.0253
Aroclor-1260 Peak # 1	A	0.0937	0.0726	0.0712	0.0675	0.0578	0.0620	0.0600	0.0564	
Aroclor-1260 Peak # 2	A	0.1377	0.1100	0.1119	0.1048	0.0901	0.0941	0.0896	0.0864	
Aroclor-1260 Peak # 3	A	0.1494	0.1089	0.1140	0.1083	0.0928	0.0997	0.0955	0.0931	
Aroclor-1260 Peak # 4	A	0.0776	0.0657	0.0680	0.0657	0.0561	0.0598	0.0571		
Aroclor-1260 Peak # 5	A	0.1719	0.1443	0.1523	0.1392	0.1178	0.1263	0.1212	0.1213	
Decachlorobiphenyl (PCB)	A			1.7517	1.5276	1.3136	1.3325	1.2692	1.2537	
TCMX (PCB)	A	1.2724	0.9655	0.9830	0.9621	0.8303	0.9420	0.9219	0.9218	0.8552
Aroclor-1016 Peak # 1	B	0.0258	0.0224	0.0221	0.0217	0.0189	0.0208	0.0199	0.0188	0.0168
Aroclor-1016 Peak # 2	B	0.0369	0.0328	0.0337	0.0319	0.0262	0.0293	0.0282	0.0270	0.0241
Aroclor-1016 Peak # 3	B	0.0731	0.0591	0.0595	0.0548	0.0476	0.0526	0.0506	0.0504	0.0429
Aroclor-1016 Peak # 4	B	0.0470	0.0426	0.0424	0.0410	0.0348	0.0383	0.0370	0.0362	0.0311
Aroclor-1016 Peak # 5	B	0.0389	0.0336	0.0345	0.0334	0.0285	0.0314	0.0302	0.0296	0.0248
Aroclor-1260 Peak # 1	B	0.0741	0.0638	0.0673	0.0608	0.0510	0.0551	0.0527	0.0514	
Aroclor-1260 Peak # 2	B	0.0910	0.0798	0.0790	0.0726	0.0608	0.0651	0.0625	0.0613	
Aroclor-1260 Peak # 3	B	0.1187	0.0977	0.0986	0.0907	0.0769	0.0826	0.0797	0.0793	
Aroclor-1260 Peak # 4	B	0.0785	0.0629	0.0647	0.0583	0.0503	0.0539	0.0496		
Aroclor-1260 Peak # 5	B	0.1184	0.0925	0.0953	0.0868	0.0743	0.0790	0.0760	0.0762	
Decachlorobiphenyl (PCB)	B	1.6271	1.2663	1.3495	1.2170	1.0610	1.0826	1.0310	1.0324	
TCMX (PCB)	B	1.1603	0.9978	0.9817	0.9671	0.8301	0.9599	0.9328	0.9461	0.8687

ENTHALPY INITIAL CALIBRATION FOR 474716 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	**31**	50.000	9	100.00	9	250.00	1	500.00	-13	749.91	-3	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 2	A	20.000	-8	50.000	-12	100.00	4	250.00	7	500.00	-7	749.91	4	1000.0	-1		
Aroclor-1016 Peak # 3	A	20.000	**31**	50.000	8	100.00	9	250.00	4	500.00	-12	749.91	-2	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 4	A	20.000	**25**	50.000	10	100.00	10	250.00	4	500.00	-11	749.91	-1	1000.0	-6	1500.0	-9
Aroclor-1016 Peak # 5	A	20.000	**28**	50.000	9	100.00	9	250.00	3	500.00	-10	749.91	-1	1000.0	-6	1500.0	-9
Aroclor-1260 Peak # 1	A	20.000	**38**	50.000	7	100.00	5	250.00	0	500.00	-15	749.91	-8	1000.0	-11	1500.0	-17
Aroclor-1260 Peak # 2	A	20.000	**34**	50.000	7	100.00	9	250.00	2	500.00	-13	749.91	-9	1000.0	-13	1500.0	-16
Aroclor-1260 Peak # 3	A	20.000	**39**	50.000	1	100.00	6	250.00	1	500.00	-14	749.91	-7	1000.0	-11	1500.0	-14
Aroclor-1260 Peak # 4	A	20.000	**-41**	50.000	-15	100.00	4	250.00	9	500.00	-4	749.91	3	1000.0	-1		
Aroclor-1260 Peak # 5	A	20.000	**-47**	50.000	-16	100.00	9	250.00	9	500.00	-5	749.91	3	1000.0	-1	1500.0	0
Decachlorobiphenyl (PCB)	A					8.0000	-10	20.000	4	40.000	-2	59.993	3	80.000	-1	120.00	0
TCMX (PCB)	A	1.6000	**32**	4.0000	0	8.0000	2	20.000	0	40.000	-14	59.993	-2	80.000	-4	120.00	-4
Aroclor-1016 Peak # 1	B	20.000	**24**	50.000	8	100.00	6	250.00	4	500.00	-9	749.91	0	1000.0	-4	1500.0	-10
Aroclor-1016 Peak # 2	B	20.000	**23**	50.000	9	100.00	12	250.00	6	500.00	-13	749.91	-2	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 3	B	20.000	**34**	50.000	8	100.00	9	250.00	1	500.00	-13	749.91	-4	1000.0	-7	1500.0	-8
Aroclor-1016 Peak # 4	B	20.000	**21**	50.000	9	100.00	9	250.00	5	500.00	-11	749.91	-2	1000.0	-5	1500.0	-7
Aroclor-1016 Peak # 5	B	20.000	**23**	50.000	6	100.00	9	250.00	5	500.00	-10	749.91	-1	1000.0	-5	1500.0	-6
Aroclor-1260 Peak # 1	B	20.000	**24**	50.000	7	100.00	13	250.00	2	500.00	-14	749.91	-7	1000.0	-11	1500.0	-14
Aroclor-1260 Peak # 2	B	20.000	**27**	50.000	12	100.00	11	250.00	2	500.00	-15	749.91	-9	1000.0	-13	1500.0	-14
Aroclor-1260 Peak # 3	B	20.000	**31**	50.000	8	100.00	9	250.00	0	500.00	-15	749.91	-9	1000.0	-12	1500.0	-12
Aroclor-1260 Peak # 4	B	20.000	**-60**	50.000	**-21**	100.00	7	250.00	8	500.00	-4	749.91	5	1000.0	-3		
Aroclor-1260 Peak # 5	B	20.000	**-36**	50.000	-14	100.00	8	250.00	8	500.00	-5	749.91	3	1000.0	-1	1500.0	0
Decachlorobiphenyl (PCB)	B	1.6000	**-72**	4.0000	**-28**	8.0000	6	20.000	9	40.000	-1	59.993	3	80.000	-1	120.00	0
TCMX (PCB)	B	1.6000	**21**	4.0000	4	8.0000	2	20.000	1	40.000	-14	59.993	0	80.000	-3	120.00	-1

ENTHALPY INITIAL CALIBRATION FOR 474716 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-19
Aroclor-1016 Peak # 2	A		
Aroclor-1016 Peak # 3	A	2000.0	**-21**
Aroclor-1016 Peak # 4	A	2000.0	**-21**
Aroclor-1016 Peak # 5	A	2000.0	**-22**
Aroclor-1260 Peak # 1	A		
Aroclor-1260 Peak # 2	A		
Aroclor-1260 Peak # 3	A		
Aroclor-1260 Peak # 4	A		
Aroclor-1260 Peak # 5	A		
Decachlorobiphenyl (PCB)	A		
TCMX (PCB)	A	160.00	-11
Aroclor-1016 Peak # 1	B	2000.0	-19
Aroclor-1016 Peak # 2	B	2000.0	-20
Aroclor-1016 Peak # 3	B	2000.0	**-21**
Aroclor-1016 Peak # 4	B	2000.0	-20
Aroclor-1016 Peak # 5	B	2000.0	**-22**
Aroclor-1260 Peak # 1	B		
Aroclor-1260 Peak # 2	B		
Aroclor-1260 Peak # 3	B		
Aroclor-1260 Peak # 4	B		
Aroclor-1260 Peak # 5	B		
Decachlorobiphenyl (PCB)	B		
TCMX (PCB)	B	160.00	-10

TRN 10/26/22 : Manually integrated for coeluting peak/draw baseline on both channel for multiple channels

Analyst: TRN 10/26/22

Reviewer: LW 10/27/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 474716 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_102422_1
Calnum:	452428510002	Cal Date:	24-OCT-2022

- ICV 452428510024 (gc06_102422024 24-OCT-2022) stds: S17274

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	486.9	ug/L	-3	15	
Aroclor-1260	A	500.0	451.5	ug/L	-10	15	
Aroclor-1016	B	500.0	481.3	ug/L	-4	15	
Aroclor-1260	B	500.0	455.3	ug/L	-9	15	

-

Analyst: TRN 10/26/22 **Reviewer:** LW 10/27/22

ENTHALPY CONTINUING CALIBRATION FOR 474716 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452501809004	File:	gc06_121422004	Time:	14-DEC-2022 12:05
Cal:	452428510002	Caldate:	24-OCT-2022		

Standards: S17386

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	468.9	ug/L	-6	15	0.0000	
Aroclor-1260	A			500.0	412.2	ug/L	**-18**	15	0.0000	c- ***
Decachlorobiphenyl (PCB)	A	1.4080	1.6261	40.00	49.33	ug/L	**23**	15	0.0000	c+
TCMX (PCB)	A	0.9616	0.9530	40.00	39.64	ug/L	-1	15	0.0000	
Aroclor-1016	B			500.0	455.4	ug/L	-9	15	0.0000	
Aroclor-1260	B			500.0	435.5	ug/L	-13	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2084	1.2248	40.00	46.04	ug/L	15	15	0.0000	
TCMX (PCB)	B	0.9605	0.9269	40.00	38.60	ug/L	-3	15	0.0000	

ISTD (ICAL gc06_102422015)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4414084	5307613	20.24
1-bromo-2-nitrobenzene (PCB)	A	1096423	1103956	0.69

TRN 12/14/22 [Aroclor-1016 A]: Separated from coeluting peak for Ch. A.

TRN 12/14/22 [1-bromo-2-nitrobenzene (PCB) A]: Corrected baseline noise or negative peak for all channels.

+=high bias -=low bias c=CCV

Analyst: TRN 12/14/22 **Reviewer:** LW 12/15/22

ENTHALPY CONTINUING CALIBRATION FOR 474716 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452501809036	File:	gc06_121422036	Time:	14-DEC-2022 22:46
Cal:	452428510002	Caldate:	24-OCT-2022		

Standards: S17386

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	455.9	ug/L	-9	15	0.0000	
Aroclor-1260	A			500.0	410.5	ug/L	**-18**	15	0.0000	c- ***
Decachlorobiphenyl (PCB)	A	1.4080	1.6604	40.00	50.47	ug/L	**26**	15	0.0000	c+
TCMX (PCB)	A	0.9616	0.9149	40.00	38.06	ug/L	-5	15	0.0000	
Aroclor-1016	B			500.0	454.3	ug/L	-9	15	0.0000	
Aroclor-1260	B			500.0	453.4	ug/L	-9	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2084	1.2913	40.00	48.66	ug/L	**22**	15	0.0000	c+
TCMX (PCB)	B	0.9605	0.9121	40.00	37.98	ug/L	-5	15	0.0000	

ISTD (ICAL gc06_102422015)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4414084	5560467	25.97
1-bromo-2-nitrobenzene (PCB)	A	1096423	1170615	6.77

MES 12/15/22 [Aroclor-1016 B]: Separated from coeluting peak for Ch. B.

+=high bias -=low bias c=CCV

Analyst: MES 12/15/22 **Reviewer:** LW 12/15/22

Enthalpy Internal Standard Summary for Sequence 452501809

Date:	12/14/22	Reference:	gc06_102422015
Sequence:	SVOA-GC06 gc06_121422	Analyzed:	10/24/22 17:44

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	4414084	1096423
		LOWER LIMIT	2207042	548212
		UPPER LIMIT	8828169	2192847
004	CCV		5307613	1103956
036	CCV		5560467	1170615

Enthalpy Internal Standard Summary for Sequence 452501809

Date:	12/14/22	Reference:	gc06_121422004
Sequence:	SVOA-GC06 gc06_121422	Analyzed:	12/14/22 12:05

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	5307613	1103956
		LOWER LIMIT	2653807	551978
		UPPER LIMIT	10615226	2207913
012	BLANK	QC1031896	4972289	1022646
013	BS	QC1031897	4870792	1030990
014	BSD	QC1031898	4956894	1040921
015	SAMPLE	474711-002	4946938	1041369
016	SAMPLE	474711-004	5013140	1048390
017	SAMPLE	474711-006	5246828	1119613
018	SAMPLE	474711-008	4814581	1029044
019	SAMPLE	474711-010	4764315	1006037
020	SAMPLE	474711-012	4781500	1020599
021	SAMPLE	474711-014	2333715 *	485983 *
022	SAMPLE	474711-016	5070503	1087576
023	SAMPLE	474711-018	4813934	1033144
024	SAMPLE	474711-020	4676710	1002305
025	SAMPLE	474716-001	4796255	1009489
026	SAMPLE	474716-002	5011257	1060107
027	SAMPLE	474716-003	4726664	985706
028	SAMPLE	474716-004	4843389	1026892
029	SAMPLE	474716-006	4786031	1008680
030	SAMPLE	474716-008	4866780	1051433
031	SAMPLE	474716-010	4963800	1040725
032	SAMPLE	474716-012	4921275	1034294
033	SAMPLE	474716-014	4773232	1004059
034	SAMPLE	474716-015	4475071	943806

Enthalpy Internal Standard Summary for Sequence 452501809

Date:	12/14/22	Reference:	gc06_121422004
Sequence:	SVOA-GC06 gc06_121422	Analyzed:	12/14/22 12:05

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.52	4.29
		LOWER LIMIT	4.32	4.09
		UPPER LIMIT	4.72	4.49
012	BLANK	QC1031896	4.52	4.29
013	BS	QC1031897	4.52	4.29
014	BSD	QC1031898	4.52	4.29
015	SAMPLE	474711-002	4.52	4.29
016	SAMPLE	474711-004	4.52	4.28
017	SAMPLE	474711-006	4.52	4.28
018	SAMPLE	474711-008	4.52	4.29
019	SAMPLE	474711-010	4.52	4.28
020	SAMPLE	474711-012	4.52	4.29
021	SAMPLE	474711-014	4.52	4.28
022	SAMPLE	474711-016	4.52	4.29
023	SAMPLE	474711-018	4.52	4.28
024	SAMPLE	474711-020	4.52	4.29
025	SAMPLE	474716-001	4.52	4.29
026	SAMPLE	474716-002	4.52	4.29
027	SAMPLE	474716-003	4.52	4.28
028	SAMPLE	474716-004	4.52	4.29
029	SAMPLE	474716-006	4.52	4.28
030	SAMPLE	474716-008	4.52	4.29
031	SAMPLE	474716-010	4.52	4.28
032	SAMPLE	474716-012	4.52	4.28
033	SAMPLE	474716-014	4.52	4.28
034	SAMPLE	474716-015	4.52	4.28

Enthalpy Internal Standard Summary for Sequence 452501809

Date:	12/14/22	Reference:	gc06_121422036
Sequence:	SVOA-GC06 gc06_121422	Analyzed:	12/14/22 22:46

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	5560467	1170615
		LOWER LIMIT	2780233	585307
		UPPER LIMIT	11120933	2341230
041	BLANK	QC1031899	6052909	1261934
042	BS	QC1031900	5715755	1210075
043	BSD	QC1031901	5420568	1156450
044	SAMPLE	474711-001	6371921	1310863
045	SAMPLE	474711-003	5701105	1225491
046	SAMPLE	474711-005	5891478	1263286
047	SAMPLE	474711-007	5882410	1265648
048	SAMPLE	474711-009	5600536	1206934
049	SAMPLE	474711-011	6045118	1202825
050	SAMPLE	474711-013	6237575	1253575
051	SAMPLE	474711-015	5681632	1227329
052	SAMPLE	474711-017	5486215	1197877
053	SAMPLE	474711-019	5492454	1204952
054	SAMPLE	474713-001	5050902	1108615
055	SAMPLE	474713-002	5737261	1255961
056	SAMPLE	474713-003	5233756	1088269
057	SAMPLE	474713-004	5875509	1195568
058	SAMPLE	474713-005	5775454	1159149
059	SAMPLE	474716-005	5628942	1252209
060	SAMPLE	474716-007	5081189	1124191
061	SAMPLE	474716-009	5068241	1129951
062	SAMPLE	474716-011	5497910	1225742
063	SAMPLE	474716-013	5360574	1211417

Enthalpy Internal Standard Summary for Sequence 452501809

Date:	12/14/22	Reference:	gc06_121422036
Sequence:	SVOA-GC06 gc06_121422	Analyzed:	12/14/22 22:46

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.52	4.28
		LOWER LIMIT	4.32	4.08
		UPPER LIMIT	4.72	4.48
041	BLANK	QC1031899	4.52	4.28
042	BS	QC1031900	4.52	4.28
043	BSD	QC1031901	4.52	4.28
044	SAMPLE	474711-001	4.52	4.28
045	SAMPLE	474711-003	4.52	4.28
046	SAMPLE	474711-005	4.52	4.28
047	SAMPLE	474711-007	4.52	4.28
048	SAMPLE	474711-009	4.52	4.28
049	SAMPLE	474711-011	4.52	4.28
050	SAMPLE	474711-013	4.52	4.28
051	SAMPLE	474711-015	4.52	4.28
052	SAMPLE	474711-017	4.52	4.28
053	SAMPLE	474711-019	4.52	4.28
054	SAMPLE	474713-001	4.52	4.28
055	SAMPLE	474713-002	4.52	4.28
056	SAMPLE	474713-003	4.52	4.28
057	SAMPLE	474713-004	4.52	4.28
058	SAMPLE	474713-005	4.52	4.28
059	SAMPLE	474716-005	4.52	4.28
060	SAMPLE	474716-007	4.52	4.28
061	SAMPLE	474716-009	4.52	4.28
062	SAMPLE	474716-011	4.52	4.28
063	SAMPLE	474716-013	4.52	4.28

Enthalpy Sequence Summary for Sequence 452428510

Instrument: SVOA-GC06 Begun: 10/24/22 13:50

Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
002	gc06_102422002	PEM				10/24/22 13:50	1.0	
003	gc06_102422003	ICAL				10/24/22 14:08	1.0	1
004	gc06_102422004	ICAL				10/24/22 14:26	1.0	2
005	gc06_102422005	ICAL				10/24/22 14:44	1.0	3
006	gc06_102422006	ICAL				10/24/22 15:02	1.0	4
007	gc06_102422007	ICAL				10/24/22 15:20	1.0	5
008	gc06_102422008	ICAL				10/24/22 15:38	1.0	6
009	gc06_102422009	ICAL				10/24/22 15:56	1.0	7
010	gc06_102422010	ICAL				10/24/22 16:14	1.0	8
012	gc06_102422012	ICV				10/24/22 16:50	1.0	9
014	gc06_102422014	ICAL				10/24/22 17:26	1.0	10
015	gc06_102422015	ICAL				10/24/22 17:44	1.0	11
016	gc06_102422016	ICAL				10/24/22 18:02	1.0	12
017	gc06_102422017	ICAL				10/24/22 18:20	1.0	13
018	gc06_102422018	ICAL				10/24/22 18:38	1.0	14
019	gc06_102422019	ICAL				10/24/22 18:55	1.0	15
020	gc06_102422020	ICAL				10/24/22 19:13	1.0	16
021	gc06_102422021	ICAL				10/24/22 19:31	1.0	17
022	gc06_102422022	ICAL				10/24/22 19:49	1.0	18
024	gc06_102422024	ICV				10/24/22 20:25	1.0	19

TRN 10/26/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 24.

Standards Used:

1=S17239 2=S17240 3=S17241 4=S17242 5=S17243 6=S17244 7=S17245 8=S17246 9=S17235 10=S17263 11=S17264 12=S17265 13=S17266 14=S17267 15=S17268 16=S17269 17=S17270 18=S17271 19=S17274

Enthalpy Sequence Summary for Sequence 452501809

Instrument: SVOA-GC06 Begun: 12/14/22 11:29

Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc06_121422002	PEM				12/14/22 11:29	1.0	1	
003	gc06_121422003	CCV				12/14/22 11:47	1.0	2	ac
004	gc06_121422004	CCV				12/14/22 12:05	1.0	3	
012	gc06_121422012	BLANK	QC1031896	Wipe	303181	12/14/22 15:26	1.0	4	
013	gc06_121422013	BS	QC1031897	Wipe	303181	12/14/22 15:44	1.0	4	
014	gc06_121422014	BSD	QC1031898	Wipe	303181	12/14/22 16:03	1.0	4	
015	gc06_121422015	SAMPLE	474711-002	Wipe	303181	12/14/22 16:21	1.0	4	
016	gc06_121422016	SAMPLE	474711-004	Wipe	303181	12/14/22 16:39	1.0	4	
017	gc06_121422017	SAMPLE	474711-006	Wipe	303181	12/14/22 16:58	1.0	4	
018	gc06_121422018	SAMPLE	474711-008	Wipe	303181	12/14/22 17:16	1.0	4	
019	gc06_121422019	SAMPLE	474711-010	Wipe	303181	12/14/22 17:34	1.0	4	
020	gc06_121422020	SAMPLE	474711-012	Wipe	303181	12/14/22 17:53	1.0	4	
021	gc06_121422021	SAMPLE	474711-014	Wipe	303181	12/14/22 18:11	1.0	4	
022	gc06_121422022	SAMPLE	474711-016	Wipe	303181	12/14/22 18:29	1.0	4	
023	gc06_121422023	SAMPLE	474711-018	Wipe	303181	12/14/22 18:47	1.0	4	
024	gc06_121422024	SAMPLE	474711-020	Wipe	303181	12/14/22 19:06	1.0	4	
025	gc06_121422025	SAMPLE	474716-001	Wipe	303181	12/14/22 19:24	1.0	4	
026	gc06_121422026	SAMPLE	474716-002	Wipe	303181	12/14/22 19:42	1.0	4	
027	gc06_121422027	SAMPLE	474716-003	Wipe	303181	12/14/22 20:01	1.0	4	
028	gc06_121422028	SAMPLE	474716-004	Wipe	303181	12/14/22 20:19	1.0	4	
029	gc06_121422029	SAMPLE	474716-006	Wipe	303181	12/14/22 20:37	1.0	4	
030	gc06_121422030	SAMPLE	474716-008	Wipe	303181	12/14/22 20:56	1.0	4	
031	gc06_121422031	SAMPLE	474716-010	Wipe	303181	12/14/22 21:14	1.0	4	
032	gc06_121422032	SAMPLE	474716-012	Wipe	303181	12/14/22 21:32	1.0	4	
033	gc06_121422033	SAMPLE	474716-014	Wipe	303181	12/14/22 21:51	1.0	4	
034	gc06_121422034	SAMPLE	474716-015	Wipe	303181	12/14/22 22:09	1.0	4	
036	gc06_121422036	CCV				12/14/22 22:46	1.0	3	
041	gc06_121422041	BLANK	QC1031899	Wipe	303182	12/15/22 00:18	1.0	4	
042	gc06_121422042	BS	QC1031900	Wipe	303182	12/15/22 00:36	1.0	4	
043	gc06_121422043	BSD	QC1031901	Wipe	303182	12/15/22 00:54	1.0	4	
044	gc06_121422044	SAMPLE	474711-001	Wipe	303182	12/15/22 01:13	1.0	4	
045	gc06_121422045	SAMPLE	474711-003	Wipe	303182	12/15/22 01:31	1.0	4	
046	gc06_121422046	SAMPLE	474711-005	Wipe	303182	12/15/22 01:49	1.0	4	
047	gc06_121422047	SAMPLE	474711-007	Wipe	303182	12/15/22 02:08	1.0	4	
048	gc06_121422048	SAMPLE	474711-009	Wipe	303182	12/15/22 02:26	1.0	4	
049	gc06_121422049	SAMPLE	474711-011	Wipe	303182	12/15/22 02:44	1.0	4	
050	gc06_121422050	SAMPLE	474711-013	Wipe	303182	12/15/22 03:03	1.0	4	
051	gc06_121422051	SAMPLE	474711-015	Wipe	303182	12/15/22 03:21	1.0	4	
052	gc06_121422052	SAMPLE	474711-017	Wipe	303182	12/15/22 03:39	1.0	4	
053	gc06_121422053	SAMPLE	474711-019	Wipe	303182	12/15/22 03:58	1.0	4	
054	gc06_121422054	SAMPLE	474713-001	Wipe	303182	12/15/22 04:16	1.0	4	
055	gc06_121422055	SAMPLE	474713-002	Wipe	303182	12/15/22 04:34	1.0	4	
056	gc06_121422056	SAMPLE	474713-003	Wipe	303182	12/15/22 04:53	1.0	4	
057	gc06_121422057	SAMPLE	474713-004	Wipe	303182	12/15/22 05:11	1.0	4	
058	gc06_121422058	SAMPLE	474713-005	Wipe	303182	12/15/22 05:29	1.0	4	
059	gc06_121422059	SAMPLE	474716-005	Wipe	303182	12/15/22 05:48	1.0	4	
060	gc06_121422060	SAMPLE	474716-007	Wipe	303182	12/15/22 06:06	1.0	4	
061	gc06_121422061	SAMPLE	474716-009	Wipe	303182	12/15/22 06:24	1.0	4	
062	gc06_121422062	SAMPLE	474716-011	Wipe	303182	12/15/22 06:43	1.0	4	
063	gc06_121422063	SAMPLE	474716-013	Wipe	303182	12/15/22 07:01	1.0	4	

Enthalpy Sequence Summary for Sequence 452501809

Instrument:	SVOA-GC06	Begun:	12/14/22 11:29
Method:	EPA 8081A, EPA 8082		

MES 12/15/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 63.

ac=average CCV drift out

Standards Used:
1=S17384 2=S17385 3=S17386 4=S17010

SAMPLE PREPARATION SUMMARY

Batch # : 303181
Started By : EPL
Method : 3572M
Spike #1 ID : S17708
Prep Date : 14-DEC-2022 12:03
Spike #2 ID : S17644
Analysis : 8080
Finished By : EPL
Units : dm2

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
474711-002		Wipe	1	20	1	20.0		.5				PCB	
474711-004		Wipe	1	20	1	20.0		.5				PCB	
474711-006		Wipe	1	20	1	20.0		.5				PCB	
474711-008		Wipe	1	20	1	20.0		.5				PCB	
474711-010		Wipe	1	20	1	20.0		.5				PCB	
474711-012		Wipe	1	20	1	20.0		.5				PCB	
474711-014		Wipe	1	20	1	20.0		.5				PCB	
474711-016		Wipe	1	20	1	20.0		.5				PCB	
474711-018		Wipe	1	20	1	20.0		.5				PCB	
474711-020		Wipe	1	20	1	20.0		.5				PCB	
474716-001		Wipe	1	20	1	20.0		.5				PCB	
474716-002		Wipe	1	20	1	20.0		.5				PCB	
474716-003		Wipe	1	20	1	20.0		.5				PCB	
474716-004		Wipe	1	20	1	20.0		.5				PCB	
474716-006		Wipe	1	20	1	20.0		.5				PCB	
474716-008		Wipe	1	20	1	20.0		.5				PCB	
474716-010		Wipe	1	20	1	20.0		.5				PCB	
474716-012		Wipe	1	20	1	20.0		.5				PCB	
474716-014		Wipe	1	20	1	20.0		.5				PCB	
474716-015		Wipe	1.09273	20	1	18.30		.5				PCB	
QC1031896	BLANK	Wipe	1	20	1	20.0		.5				8080	
QC1031897	BS	Wipe	1	20	1	20.0		.5	.5			8080	
QC1031898	BSD	Wipe	1	20	1	20.0		.5	.5			8080	

TRN 12/15/22 : BS/D verify the batch

Analyst: TRN Date: 12/15/22 Reviewer: LW Date: 12/15/22

8081/8082/608.3 Prep Log

Date/Time: 12/14/22 12:03 Initials: EPL

Microdipenser ID: SYRINGE Therm ID/CF: ____/____ Hotblock Temp (°C): N/A

Prep Method: 3580 Matrix: WIPES Balance ID: N/A

608.3 QC Batch#: ____

8081 QC Batch #: ____

8082 QC Batch #: 303181

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Comment
Blank		1dm2	N/A	SH3	N/A	20.0		
LCS								
LCSD								
474711-002	A							
-004	A							
-006	A							
-008	A							
-010	A							
-012	A							
-014	A							
-016	A							
-018	A							
-020	A							
474716-001	A							
-002	A							
-003	A							
-004	A							
-006	A							
-008	A							
12/14 -010	A							
-012	A							
-014	A							
-015	A	1.09273						

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: 317570

Acetone-Hexane Mix ID: ____

Sodium Sulfate Lot: N/A

Baked Sand Lot: N/A

Surrogate ID: 500 Volume: 317708 µL

Pest LCS Spike ID: N/A Volume: ____ µL

PCB LCS Spike ID: 500 Volume: 317644 µL

Pest MS/MSD Spike ID: N/A Volume: ____ µL

PCB MS/MSD Spike ID: N/A Volume: ____ µL

SAMPLE PREPARATION SUMMARY

Batch # : 303182
Started By : EPL
Method : 3546
Spike #1 ID : S17708
Prep Date : 14-DEC-2022 12:56
Spike #2 ID : S17644
Analysis : 8080
Finished By : EPL
Units : dm2

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
474711-001		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474711-003		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474711-005		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474711-007		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474711-009		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474711-011		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474711-013		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474711-015		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474711-017		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474711-019		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474713-001		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474713-002		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474713-003		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474713-004		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474713-005		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474716-005		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474716-007		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474716-009		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
474716-011		Wipe	1.1854	10	1	8.436		.5				PCB-MICROWAVE	
474716-013		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
QC1031899	BLANK	Wipe	1	10	1	10.0		.5				8080	
QC1031900	BS	Wipe	1	10	1	10.0		.5	.5			8080	
QC1031901	BSD	Wipe	1	10	1	10.0		.5	.5			8080	

TRN 12/15/22 : BS/D verify the batch

Analyst: TRN Date: 12/15/22 Reviewer: LW Date: 12/15/22

8081/8082/608.3 Prep Log

Date/Time: 12/14/22 12:56 Initials: EPL

Microdipenser ID: SYRINGE Therm ID/CF: ____/____ Hotblock Temp (°C): N/A

Prep Method: 3546 Matrix: WIPES Balance ID: N/A

608.3 QC Batch#: ____

8081 QC Batch #: ____

8082 QC Batch #: 303182

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Comment
Blank		1 dm²	N/A	EVAP14 -1	TV09	10.0		
LCS				-2				
LCSD				-3				
474713-001	A			-4				
-002	A			-5				
-003	A			-6	↓			
-004	A			-7	TV08			
-005	A			-8				
474711-001	A			-9				
-003	A			-10				
-005	A			-11				
-007	A			-12	↓			
-009	A			-13	TV09			
-011	A			-14				
-013	A			-15				
-015	A			-16				
-017	A			-17				
-019	A			-18	↓			
474716-005	A			-19	TV07			
-007	A			-20				
-009	A	↓		-21				
-011	A	1.1854		-22				
-013	A	1 dm²	↓	-23	↓	↓		

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: S17570

Acetone-Hexane Mix ID: ____

Sodium Sulfate Lot: 215528

Baked Sand Lot: N/A

Surrogate ID: S17708 Volume: 500

Pest LCS Spike ID: N/A Volume: N/A

PCB LCS Spike ID: S17644 Volume: 500

Pest MS/MSD Spike ID: N/A Volume: N/A

PCB MS/MSD Spike ID: N/A Volume: N/A

REPORTING SUMMARY FOR 474716 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
474716-001	Aroclor-1016	SVOA-GC06	B	12/14/22 19:24
474716-001	Aroclor-1221	SVOA-GC06	B	12/14/22 19:24
474716-001	Aroclor-1232	SVOA-GC06	B	12/14/22 19:24
474716-001	Aroclor-1242	SVOA-GC06	B	12/14/22 19:24
474716-001	Aroclor-1248	SVOA-GC06	B	12/14/22 19:24
474716-001	Aroclor-1254	SVOA-GC06	B	12/14/22 19:24
474716-001	Aroclor-1260	SVOA-GC06	B	12/14/22 19:24
474716-001	Aroclor-1262	SVOA-GC06	B	12/14/22 19:24
474716-001	Aroclor-1268	SVOA-GC06	B	12/14/22 19:24
474716-001	TCMX (PCB)	SVOA-GC06	B	12/14/22 19:24
474716-001	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/14/22 19:24
474716-002	Aroclor-1016	SVOA-GC06	B	12/14/22 19:42
474716-002	Aroclor-1221	SVOA-GC06	B	12/14/22 19:42
474716-002	Aroclor-1232	SVOA-GC06	B	12/14/22 19:42
474716-002	Aroclor-1242	SVOA-GC06	B	12/14/22 19:42
474716-002	Aroclor-1248	SVOA-GC06	B	12/14/22 19:42
474716-002	Aroclor-1254	SVOA-GC06	B	12/14/22 19:42
474716-002	Aroclor-1260	SVOA-GC06	B	12/14/22 19:42
474716-002	Aroclor-1262	SVOA-GC06	B	12/14/22 19:42
474716-002	Aroclor-1268	SVOA-GC06	B	12/14/22 19:42
474716-002	TCMX (PCB)	SVOA-GC06	B	12/14/22 19:42
474716-002	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/14/22 19:42
474716-003	Aroclor-1016	SVOA-GC06	B	12/14/22 20:01
474716-003	Aroclor-1221	SVOA-GC06	B	12/14/22 20:01
474716-003	Aroclor-1232	SVOA-GC06	B	12/14/22 20:01
474716-003	Aroclor-1242	SVOA-GC06	B	12/14/22 20:01
474716-003	Aroclor-1248	SVOA-GC06	B	12/14/22 20:01
474716-003	Aroclor-1254	SVOA-GC06	B	12/14/22 20:01
474716-003	Aroclor-1260	SVOA-GC06	B	12/14/22 20:01
474716-003	Aroclor-1262	SVOA-GC06	B	12/14/22 20:01
474716-003	Aroclor-1268	SVOA-GC06	B	12/14/22 20:01
474716-003	TCMX (PCB)	SVOA-GC06	B	12/14/22 20:01
474716-003	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/14/22 20:01
474716-004	Aroclor-1016	SVOA-GC06	B	12/14/22 20:19
474716-004	Aroclor-1221	SVOA-GC06	B	12/14/22 20:19
474716-004	Aroclor-1232	SVOA-GC06	B	12/14/22 20:19
474716-004	Aroclor-1242	SVOA-GC06	B	12/14/22 20:19
474716-004	Aroclor-1248	SVOA-GC06	B	12/14/22 20:19
474716-004	Aroclor-1254	SVOA-GC06	B	12/14/22 20:19
474716-004	Aroclor-1260	SVOA-GC06	B	12/14/22 20:19
474716-004	Aroclor-1262	SVOA-GC06	B	12/14/22 20:19
474716-004	Aroclor-1268	SVOA-GC06	B	12/14/22 20:19
474716-004	TCMX (PCB)	SVOA-GC06	B	12/14/22 20:19
474716-004	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/14/22 20:19
474716-006	Aroclor-1016	SVOA-GC06	B	12/14/22 20:37
474716-006	Aroclor-1221	SVOA-GC06	B	12/14/22 20:37
474716-006	Aroclor-1232	SVOA-GC06	B	12/14/22 20:37
474716-006	Aroclor-1242	SVOA-GC06	B	12/14/22 20:37
474716-006	Aroclor-1248	SVOA-GC06	B	12/14/22 20:37
474716-006	Aroclor-1254	SVOA-GC06	B	12/14/22 20:37

Sample ID	Analyte	Inst ID	Ch	Date & Time
474716-006	Aroclor-1260	SVOA-GC06	B	12/14/22 20:37
474716-006	Aroclor-1262	SVOA-GC06	B	12/14/22 20:37
474716-006	Aroclor-1268	SVOA-GC06	B	12/14/22 20:37
474716-006	TCMX (PCB)	SVOA-GC06	B	12/14/22 20:37
474716-006	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/14/22 20:37
474716-008	Aroclor-1016	SVOA-GC06	B	12/14/22 20:56
474716-008	Aroclor-1221	SVOA-GC06	B	12/14/22 20:56
474716-008	Aroclor-1232	SVOA-GC06	B	12/14/22 20:56
474716-008	Aroclor-1242	SVOA-GC06	B	12/14/22 20:56
474716-008	Aroclor-1248	SVOA-GC06	B	12/14/22 20:56
474716-008	Aroclor-1254	SVOA-GC06	B	12/14/22 20:56
474716-008	Aroclor-1260	SVOA-GC06	B	12/14/22 20:56
474716-008	Aroclor-1262	SVOA-GC06	B	12/14/22 20:56
474716-008	Aroclor-1268	SVOA-GC06	B	12/14/22 20:56
474716-008	TCMX (PCB)	SVOA-GC06	B	12/14/22 20:56
474716-008	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/14/22 20:56
474716-010	Aroclor-1016	SVOA-GC06	B	12/14/22 21:14
474716-010	Aroclor-1221	SVOA-GC06	B	12/14/22 21:14
474716-010	Aroclor-1232	SVOA-GC06	B	12/14/22 21:14
474716-010	Aroclor-1242	SVOA-GC06	B	12/14/22 21:14
474716-010	Aroclor-1248	SVOA-GC06	B	12/14/22 21:14
474716-010	Aroclor-1254	SVOA-GC06	B	12/14/22 21:14
474716-010	Aroclor-1260	SVOA-GC06	B	12/14/22 21:14
474716-010	Aroclor-1262	SVOA-GC06	B	12/14/22 21:14
474716-010	Aroclor-1268	SVOA-GC06	B	12/14/22 21:14
474716-010	TCMX (PCB)	SVOA-GC06	B	12/14/22 21:14
474716-010	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/14/22 21:14
474716-012	Aroclor-1016	SVOA-GC06	B	12/14/22 21:32
474716-012	Aroclor-1221	SVOA-GC06	B	12/14/22 21:32
474716-012	Aroclor-1232	SVOA-GC06	B	12/14/22 21:32
474716-012	Aroclor-1242	SVOA-GC06	B	12/14/22 21:32
474716-012	Aroclor-1248	SVOA-GC06	B	12/14/22 21:32
474716-012	Aroclor-1254	SVOA-GC06	B	12/14/22 21:32
474716-012	Aroclor-1260	SVOA-GC06	B	12/14/22 21:32
474716-012	Aroclor-1262	SVOA-GC06	B	12/14/22 21:32
474716-012	Aroclor-1268	SVOA-GC06	B	12/14/22 21:32
474716-012	TCMX (PCB)	SVOA-GC06	B	12/14/22 21:32
474716-012	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/14/22 21:32
474716-014	Aroclor-1016	SVOA-GC06	B	12/14/22 21:51
474716-014	Aroclor-1221	SVOA-GC06	B	12/14/22 21:51
474716-014	Aroclor-1232	SVOA-GC06	B	12/14/22 21:51
474716-014	Aroclor-1242	SVOA-GC06	B	12/14/22 21:51
474716-014	Aroclor-1248	SVOA-GC06	B	12/14/22 21:51
474716-014	Aroclor-1254	SVOA-GC06	B	12/14/22 21:51
474716-014	Aroclor-1260	SVOA-GC06	B	12/14/22 21:51
474716-014	Aroclor-1262	SVOA-GC06	B	12/14/22 21:51
474716-014	Aroclor-1268	SVOA-GC06	B	12/14/22 21:51
474716-014	TCMX (PCB)	SVOA-GC06	B	12/14/22 21:51
474716-014	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/14/22 21:51

Sample ID	Analyte	Inst ID	Ch	Date & Time
474716-015	Aroclor-1016	SVOA-GC06	B	12/14/22 22:09
474716-015	Aroclor-1221	SVOA-GC06	B	12/14/22 22:09
474716-015	Aroclor-1232	SVOA-GC06	B	12/14/22 22:09
474716-015	Aroclor-1242	SVOA-GC06	B	12/14/22 22:09
474716-015	Aroclor-1248	SVOA-GC06	B	12/14/22 22:09
474716-015	Aroclor-1254	SVOA-GC06	B	12/14/22 22:09
474716-015	Aroclor-1260	SVOA-GC06	B	12/14/22 22:09
474716-015	Aroclor-1262	SVOA-GC06	B	12/14/22 22:09
474716-015	Aroclor-1268	SVOA-GC06	B	12/14/22 22:09
474716-015	TCMX (PCB)	SVOA-GC06	B	12/14/22 22:09
474716-015	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/14/22 22:09
QC1031896	Aroclor-1016	SVOA-GC06	B	12/14/22 15:26
QC1031896	Aroclor-1221	SVOA-GC06	B	12/14/22 15:26
QC1031896	Aroclor-1232	SVOA-GC06	B	12/14/22 15:26
QC1031896	Aroclor-1242	SVOA-GC06	B	12/14/22 15:26
QC1031896	Aroclor-1248	SVOA-GC06	B	12/14/22 15:26
QC1031896	Aroclor-1254	SVOA-GC06	B	12/14/22 15:26
QC1031896	Aroclor-1260	SVOA-GC06	B	12/14/22 15:26
QC1031896	Aroclor-1262	SVOA-GC06	B	12/14/22 15:26
QC1031896	Aroclor-1268	SVOA-GC06	B	12/14/22 15:26
QC1031896	TCMX (PCB)	SVOA-GC06	B	12/14/22 15:26
QC1031896	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/14/22 15:26
474716-005	Aroclor-1016	SVOA-GC06	B	12/15/22 05:48
474716-005	Aroclor-1221	SVOA-GC06	B	12/15/22 05:48
474716-005	Aroclor-1232	SVOA-GC06	B	12/15/22 05:48
474716-005	Aroclor-1242	SVOA-GC06	B	12/15/22 05:48
474716-005	Aroclor-1248	SVOA-GC06	B	12/15/22 05:48
474716-005	Aroclor-1254	SVOA-GC06	B	12/15/22 05:48
474716-005	Aroclor-1260	SVOA-GC06	B	12/15/22 05:48
474716-005	Aroclor-1262	SVOA-GC06	B	12/15/22 05:48
474716-005	Aroclor-1268	SVOA-GC06	B	12/15/22 05:48
474716-005	TCMX (PCB)	SVOA-GC06	B	12/15/22 05:48
474716-005	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 05:48
474716-007	Aroclor-1016	SVOA-GC06	B	12/15/22 06:06
474716-007	Aroclor-1221	SVOA-GC06	B	12/15/22 06:06
474716-007	Aroclor-1232	SVOA-GC06	B	12/15/22 06:06
474716-007	Aroclor-1242	SVOA-GC06	B	12/15/22 06:06
474716-007	Aroclor-1248	SVOA-GC06	B	12/15/22 06:06
474716-007	Aroclor-1254	SVOA-GC06	B	12/15/22 06:06
474716-007	Aroclor-1260	SVOA-GC06	B	12/15/22 06:06
474716-007	Aroclor-1262	SVOA-GC06	B	12/15/22 06:06
474716-007	Aroclor-1268	SVOA-GC06	B	12/15/22 06:06
474716-007	TCMX (PCB)	SVOA-GC06	B	12/15/22 06:06
474716-007	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 06:06
474716-009	Aroclor-1016	SVOA-GC06	B	12/15/22 06:24
474716-009	Aroclor-1221	SVOA-GC06	B	12/15/22 06:24
474716-009	Aroclor-1232	SVOA-GC06	B	12/15/22 06:24
474716-009	Aroclor-1242	SVOA-GC06	B	12/15/22 06:24
474716-009	Aroclor-1248	SVOA-GC06	B	12/15/22 06:24
474716-009	Aroclor-1254	SVOA-GC06	B	12/15/22 06:24

Sample ID	Analyte	Inst ID	Ch	Date & Time
474716-009	Aroclor-1260	SVOA-GC06	B	12/15/22 06:24
474716-009	Aroclor-1262	SVOA-GC06	B	12/15/22 06:24
474716-009	Aroclor-1268	SVOA-GC06	B	12/15/22 06:24
474716-009	TCMX (PCB)	SVOA-GC06	B	12/15/22 06:24
474716-009	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 06:24
474716-011	Aroclor-1016	SVOA-GC06	B	12/15/22 06:43
474716-011	Aroclor-1221	SVOA-GC06	B	12/15/22 06:43
474716-011	Aroclor-1232	SVOA-GC06	B	12/15/22 06:43
474716-011	Aroclor-1242	SVOA-GC06	B	12/15/22 06:43
474716-011	Aroclor-1248	SVOA-GC06	B	12/15/22 06:43
474716-011	Aroclor-1254	SVOA-GC06	B	12/15/22 06:43
474716-011	Aroclor-1260	SVOA-GC06	B	12/15/22 06:43
474716-011	Aroclor-1262	SVOA-GC06	B	12/15/22 06:43
474716-011	Aroclor-1268	SVOA-GC06	B	12/15/22 06:43
474716-011	TCMX (PCB)	SVOA-GC06	B	12/15/22 06:43
474716-011	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 06:43
474716-013	Aroclor-1016	SVOA-GC06	B	12/15/22 07:01
474716-013	Aroclor-1221	SVOA-GC06	B	12/15/22 07:01
474716-013	Aroclor-1232	SVOA-GC06	B	12/15/22 07:01
474716-013	Aroclor-1242	SVOA-GC06	B	12/15/22 07:01
474716-013	Aroclor-1248	SVOA-GC06	B	12/15/22 07:01
474716-013	Aroclor-1254	SVOA-GC06	B	12/15/22 07:01
474716-013	Aroclor-1260	SVOA-GC06	B	12/15/22 07:01
474716-013	Aroclor-1262	SVOA-GC06	B	12/15/22 07:01
474716-013	Aroclor-1268	SVOA-GC06	B	12/15/22 07:01
474716-013	TCMX (PCB)	SVOA-GC06	B	12/15/22 07:01
474716-013	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 07:01
QC1031899	Aroclor-1016	SVOA-GC06	B	12/15/22 00:18
QC1031899	Aroclor-1221	SVOA-GC06	B	12/15/22 00:18
QC1031899	Aroclor-1232	SVOA-GC06	B	12/15/22 00:18
QC1031899	Aroclor-1242	SVOA-GC06	B	12/15/22 00:18
QC1031899	Aroclor-1248	SVOA-GC06	B	12/15/22 00:18
QC1031899	Aroclor-1254	SVOA-GC06	B	12/15/22 00:18
QC1031899	Aroclor-1260	SVOA-GC06	B	12/15/22 00:18
QC1031899	Aroclor-1262	SVOA-GC06	B	12/15/22 00:18
QC1031899	Aroclor-1268	SVOA-GC06	B	12/15/22 00:18
QC1031899	TCMX (PCB)	SVOA-GC06	B	12/15/22 00:18
QC1031899	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 00:18
QC1031897	Aroclor-1016	SVOA-GC06	B	12/14/22 15:44
QC1031897	Aroclor-1260	SVOA-GC06	B	12/14/22 15:44
QC1031897	TCMX (PCB)	SVOA-GC06	B	12/14/22 15:44
QC1031897	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/14/22 15:44
QC1031898	Aroclor-1016	SVOA-GC06	B	12/14/22 16:03
QC1031898	Aroclor-1260	SVOA-GC06	B	12/14/22 16:03
QC1031898	TCMX (PCB)	SVOA-GC06	B	12/14/22 16:03
QC1031898	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/14/22 16:03
QC1031900	Aroclor-1016	SVOA-GC06	B	12/15/22 00:36
QC1031900	Aroclor-1260	SVOA-GC06	B	12/15/22 00:36

REPORTING SUMMARY FOR 474716 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
QC1031900	TCMX (PCB)	SVOA-GC06	B	12/15/22 00:36
QC1031900	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 00:36
QC1031901	Aroclor-1016	SVOA-GC06	B	12/15/22 00:54
QC1031901	Aroclor-1260	SVOA-GC06	B	12/15/22 00:54
QC1031901	TCMX (PCB)	SVOA-GC06	B	12/15/22 00:54
QC1031901	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/15/22 00:54

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474716-001	Client ID:	ARCH-C5W-EXT-1 TO 2-221209-P-DUP-WF
Seqnum:	452501809025	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422025	Batch:	303181	Time:	14-DEC-2022 19:24
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	18.88	ND	2.9	153%	0.50		u
Aroclor-1016 Peak # 1	B	35.60	0.71	0.33	74%			
Aroclor-1016 Peak # 2	B	3.110	0.06	ND	-457%			
Aroclor-1016 Peak # 3	B	54.78	1.10	0.51	74%			
Aroclor-1016 Peak # 4	B	0.3504	0.01	0.01	49%			
Aroclor-1016 Peak # 5	B	0.5611	0.01	13.57	200%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	21.03	ND	0.35	19%	0.50		u
Aroclor-1260 Peak # 1	B	24.84	0.50	0.83	50%			
Aroclor-1260 Peak # 2	B	19.65	0.39	0.01	190%			
Aroclor-1260 Peak # 3	B	3.937	0.08	0.35	126%			
Aroclor-1260 Peak # 4	B	0	ND	0.58				
Aroclor-1260 Peak # 5	B	56.71	1.13	ND	210%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	20.39	0.5000	0.4078	82	52-121	u
Decachlorobiphenyl (PCB)	B	18.82	0.5000	0.3765	75	50-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5307613	4796255	-9.63
1-bromo-2-nitrobenzene (PCB)	A	1103956	1009489	-8.56

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

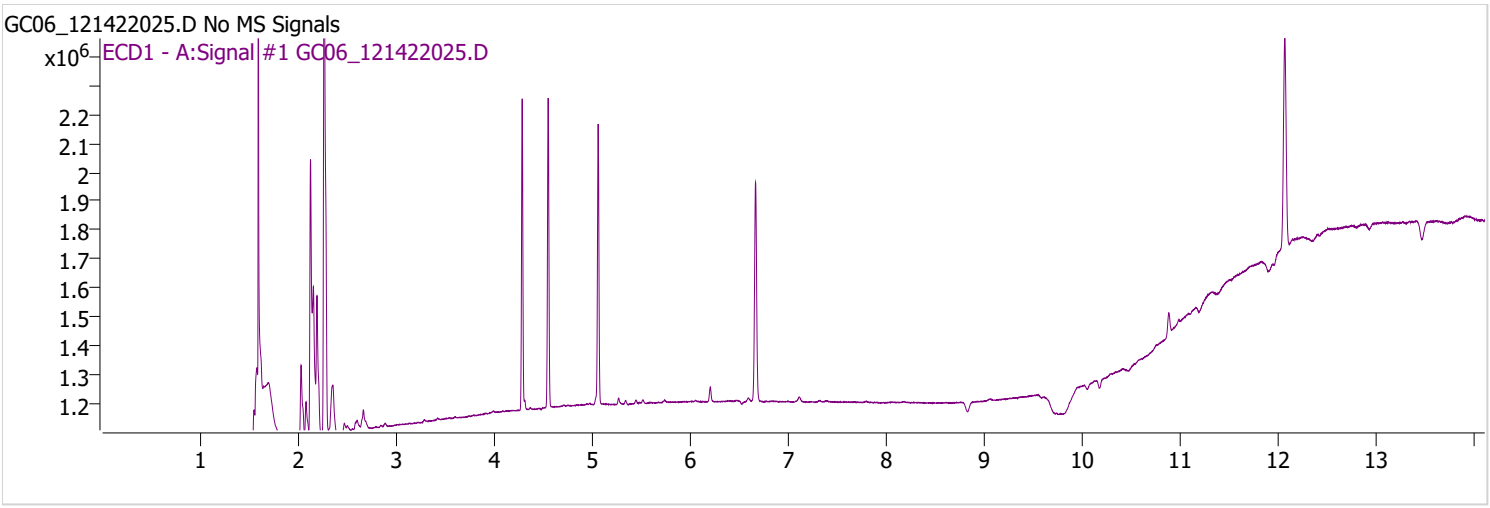
ISTD (CCV gc06_121422004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

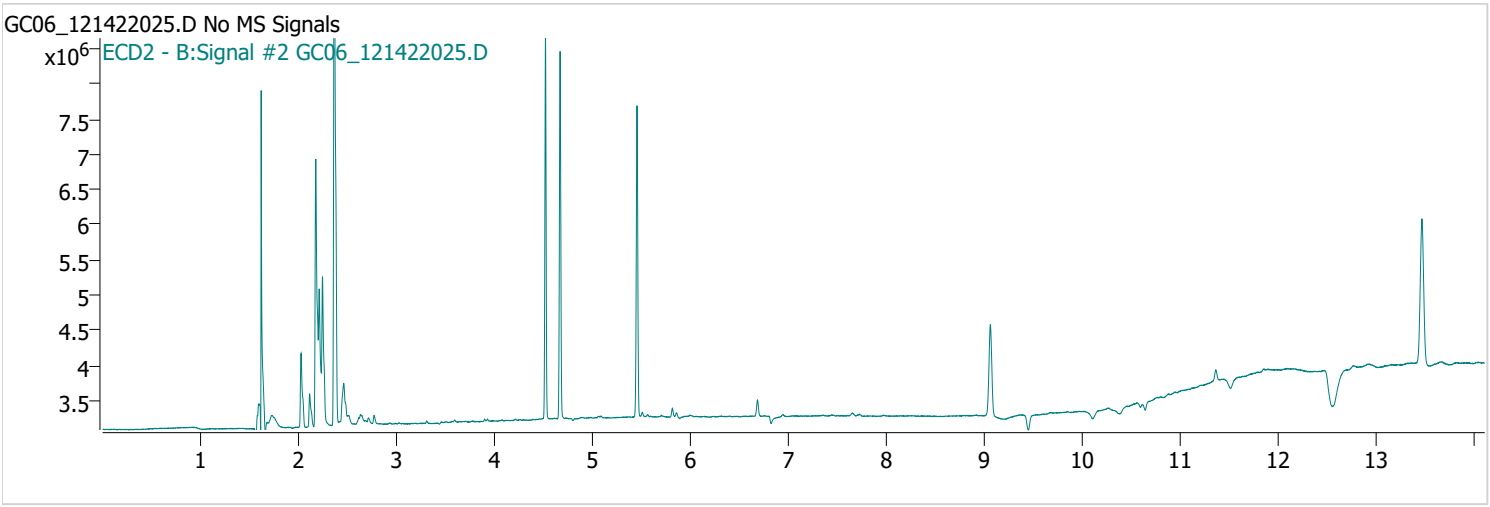
Analyst: MES 12/15/22

Reviewer: LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422025.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 7:24:37 PM
Sample Name	474716-001, 303181, 1	Instrument	SVOA-GC06
Vial	14	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



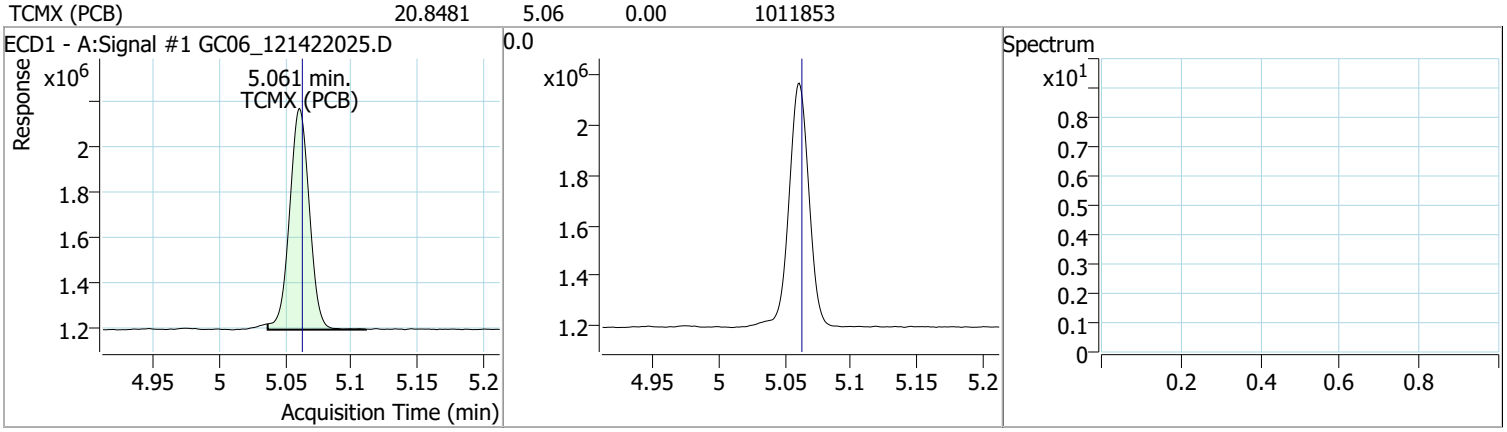


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.285	0.0	1009489.269	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.523	0.0	4796254.784	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.061	0.0	1011852.703	20.8481	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 104.24%		
S TCMX (PCB) #2	5.458	0.0	4696233.694	20.3885	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 101.94%		
S Decachlorobiphenyl (PCB)	12.073	0.0	1504610.026	20.2694	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 101.35%		
S Decachlorobiphenyl (PCB) #2	13.473	0.0	5107748.430	18.8239	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 94.12%		
Target Compounds						QValue

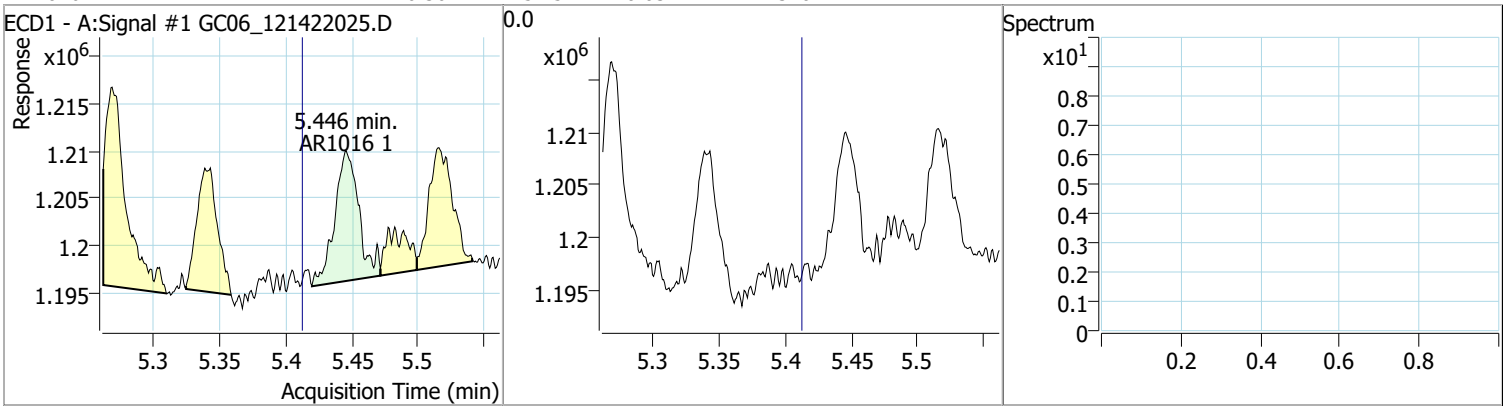
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.446	0.0	17319.536	16.3642	ng/ml	100
T AR1016 2	5.738	0.0	15653.339	0.0000	ng/ml	100
T AR1016 1 #2	6.004	0.0	177443.548	35.5966	ng/ml	100
T AR1016 3	6.206	0.0	67924.561	25.3127	ng/ml	100
T AR1016 4	6.357	0.0	1176.095	0.5763	ng/ml	100
T AR1016 2 #2	6.406	0.0	22376.081	3.1096	ng/ml	100
T AR1016 5	6.668	0.0	1115313.334	678.4734	ng/ml	100
T AR1016 3 #2	6.947	0.0	716272.916	54.7821	ng/ml	100
T AR1016 4 #2	7.156	0.0	3271.057	0.3504	ng/ml	100
T AR1016 5 #2	7.311	0.0	4257.028	0.5611	ng/ml	100
T AR1260 1	8.757	0.0	142062.961	41.6228	ng/ml	100
T AR1260 2	9.266	0.0	2555.629	0.4913	ng/ml	100
T AR1260 3	9.608	0.0	95088.668	17.4879	ng/ml	100
T AR1260 1 #2	9.969	0.0	354598.024	24.8429	ng/ml	100
T AR1260 4	10.153	0.0	127440.476	28.9345	ng/ml	100
T AR1260 2 #2	10.268	0.0	337027.244	19.6517	ng/ml	100
T AR1260 3 #2	10.617	0.0	85477.115	3.9376	ng/ml	100
T AR1260 5	10.887	0.0	101319.775	0.0000	ng/ml	100
T AR1260 4 #2	0.000		0	N.D.		
T AR1260 5 #2	11.368	0.0	1359874.170	56.7211	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

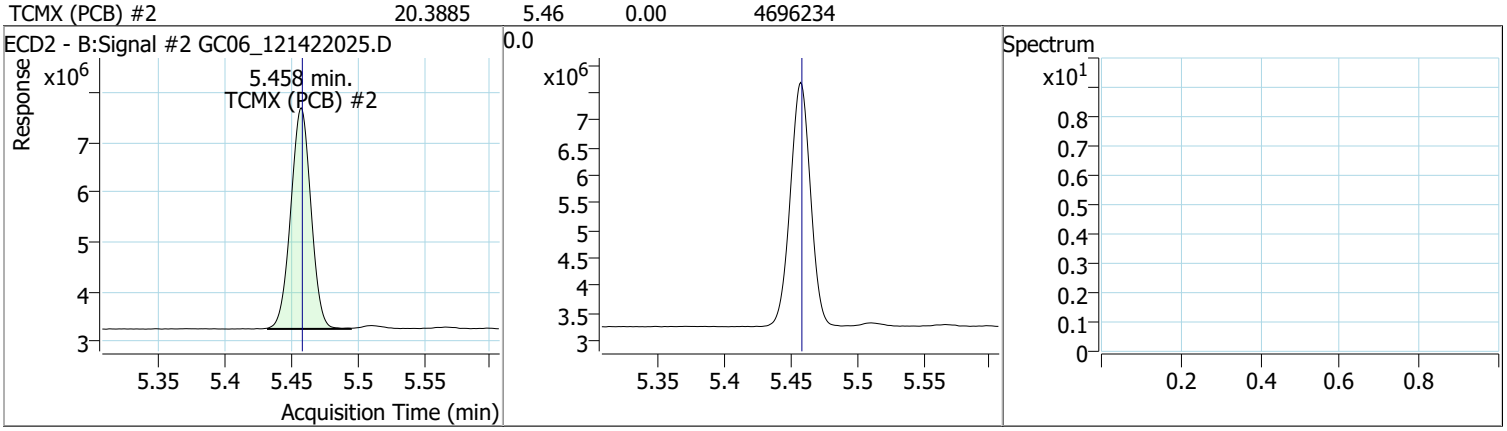
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	20.8481	5.06	0.00	1011853				



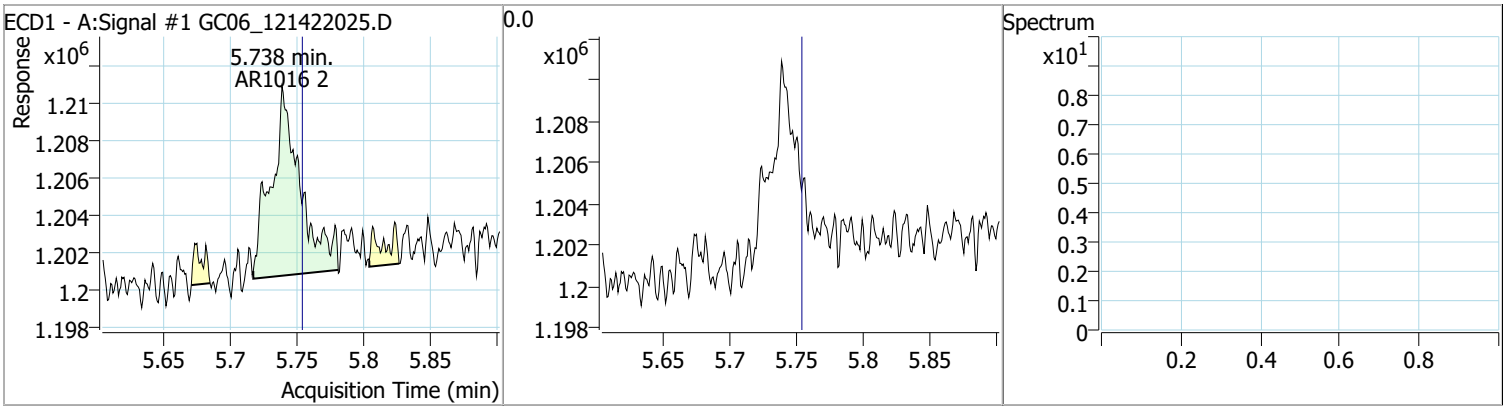
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	16.3642	5.45	0.03	17320				



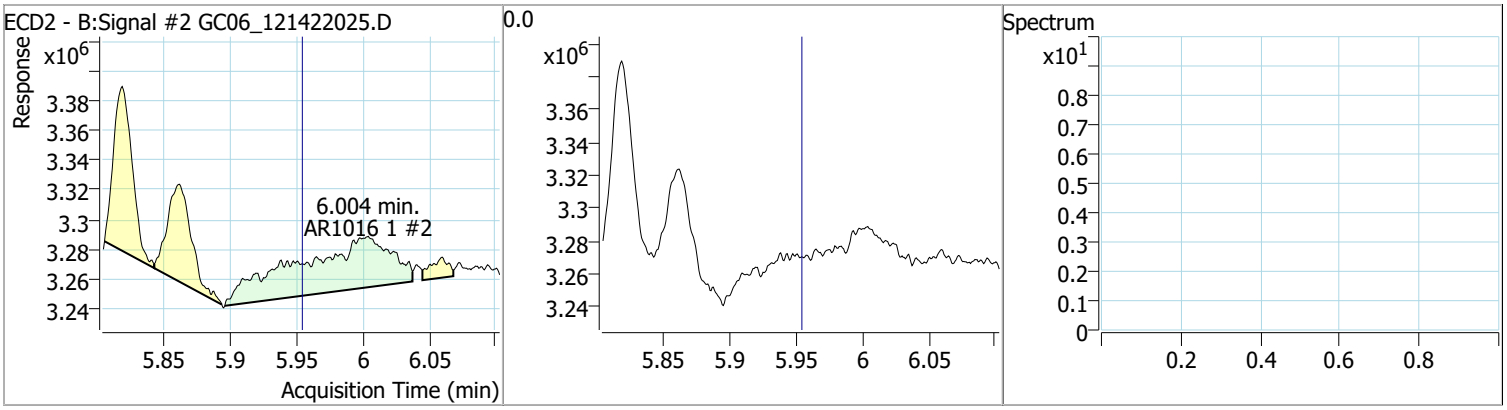
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	20.3885	5.46	0.00	4696234				



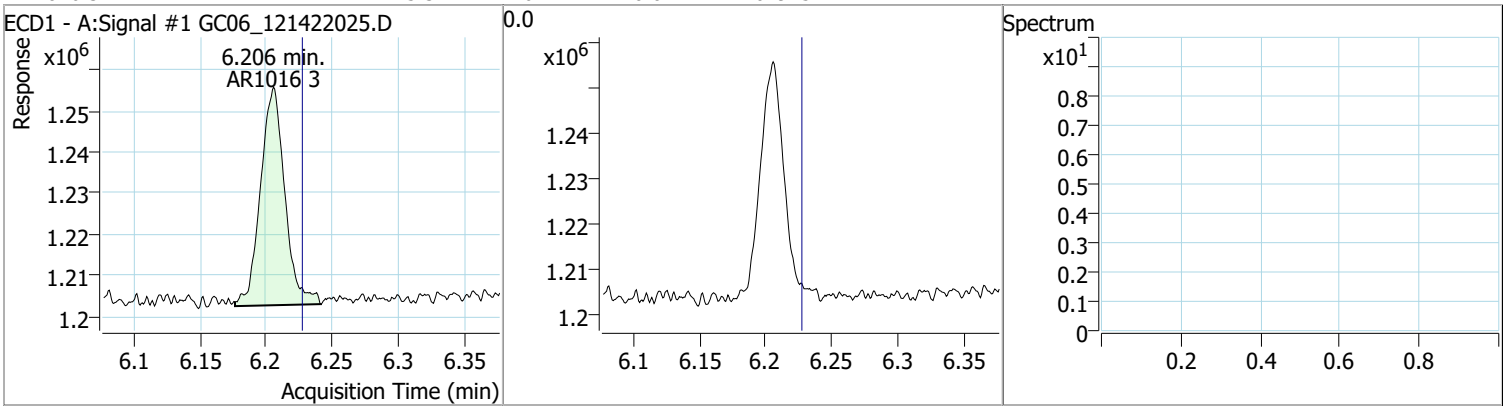
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.74	-0.02	15653				



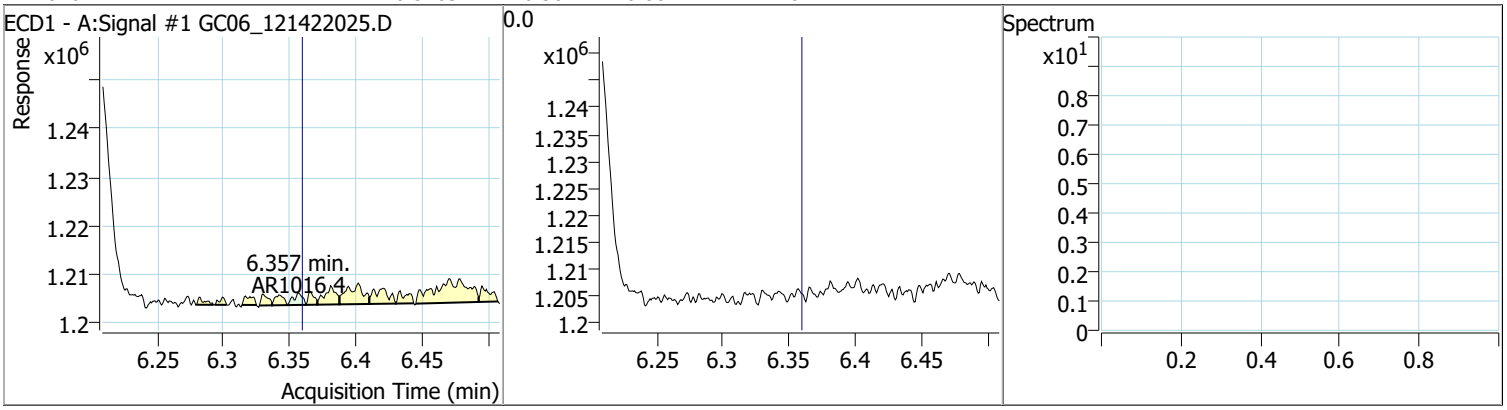
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	35.5966	6.00	0.05	177444				



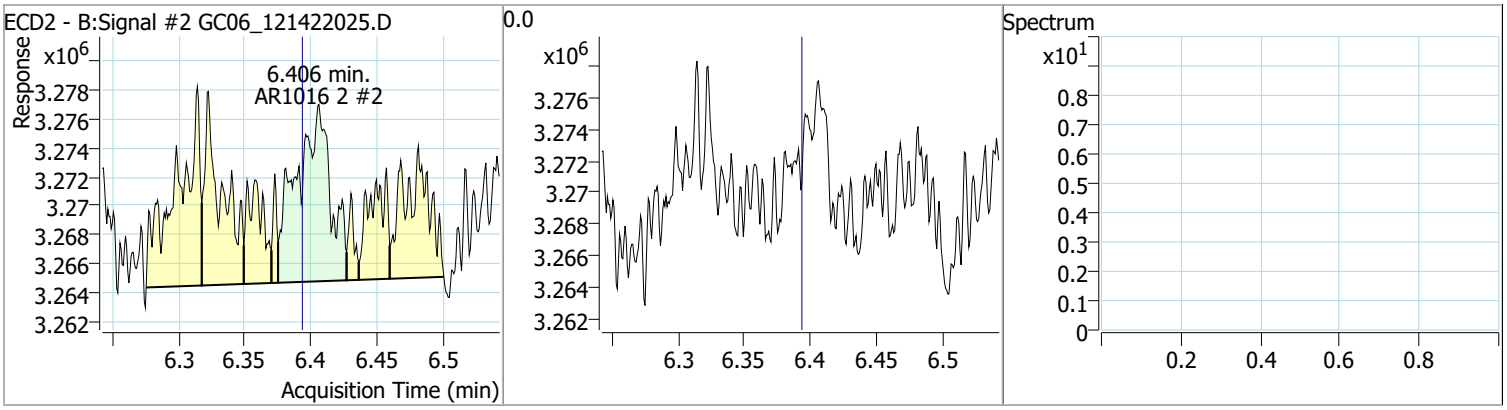
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	25.3127	6.21	-0.02	67925				



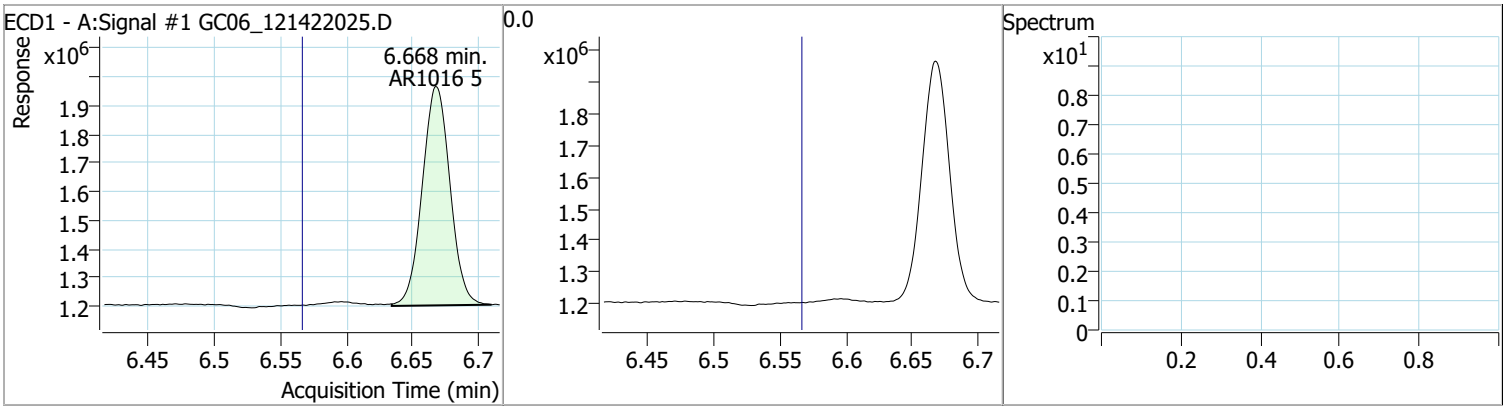
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.5763	6.36	0.00	1176				



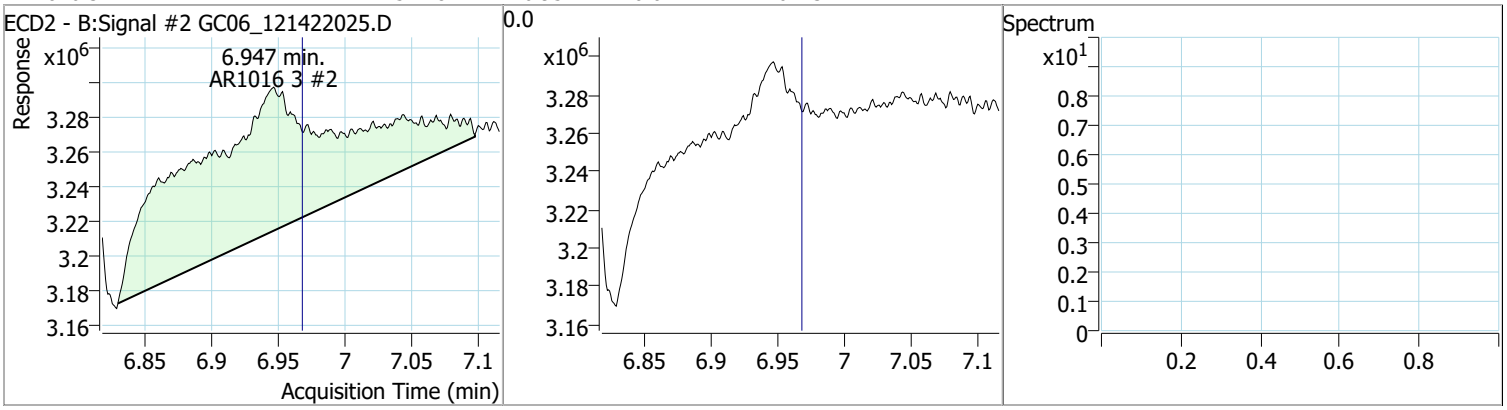
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	3.1096	6.41	0.01	22376				



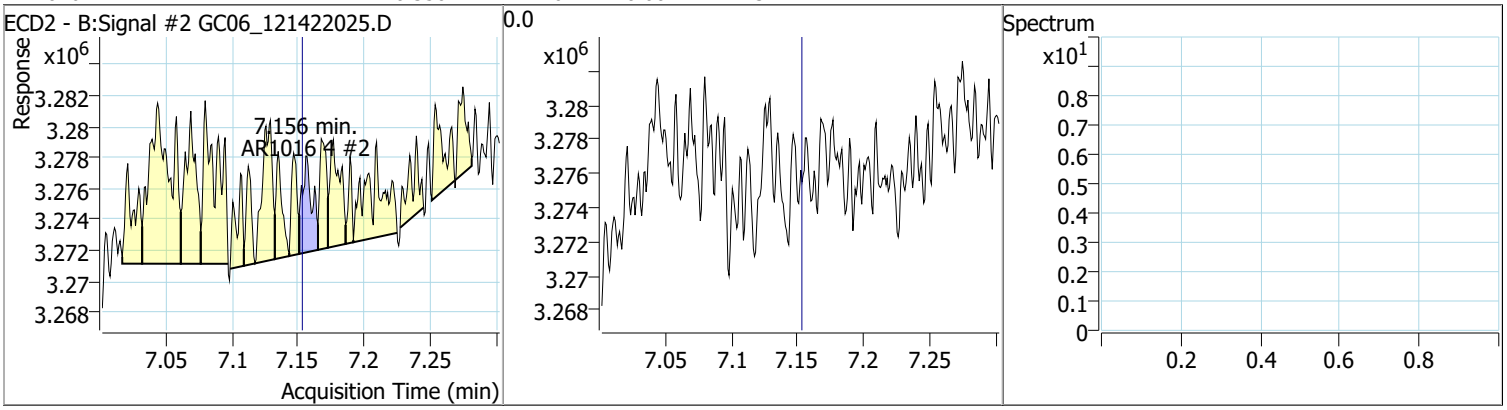
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	678.4734	6.67	0.10	1115313				



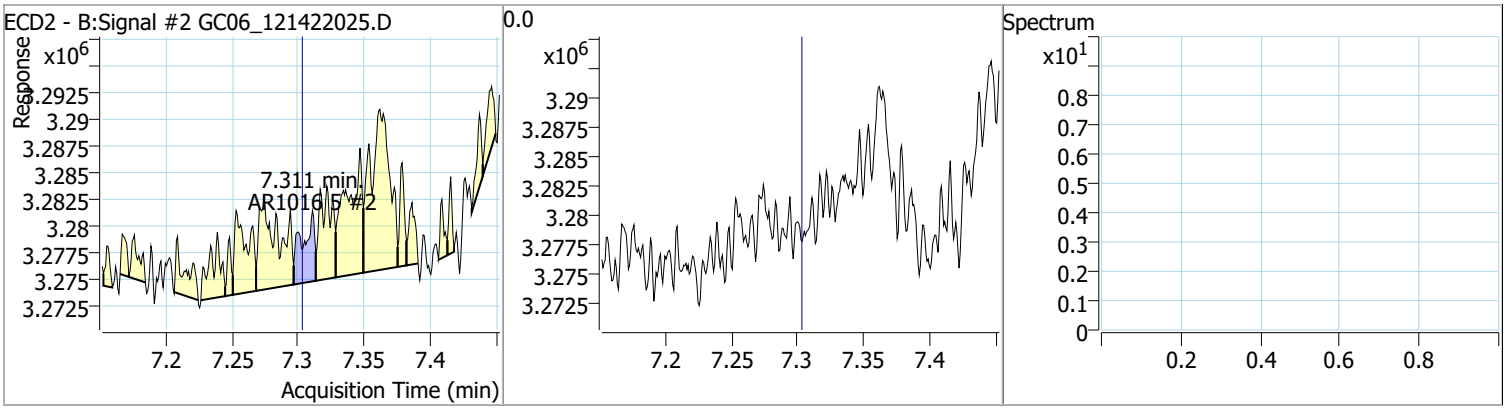
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	54.7821	6.95	-0.02	716273				



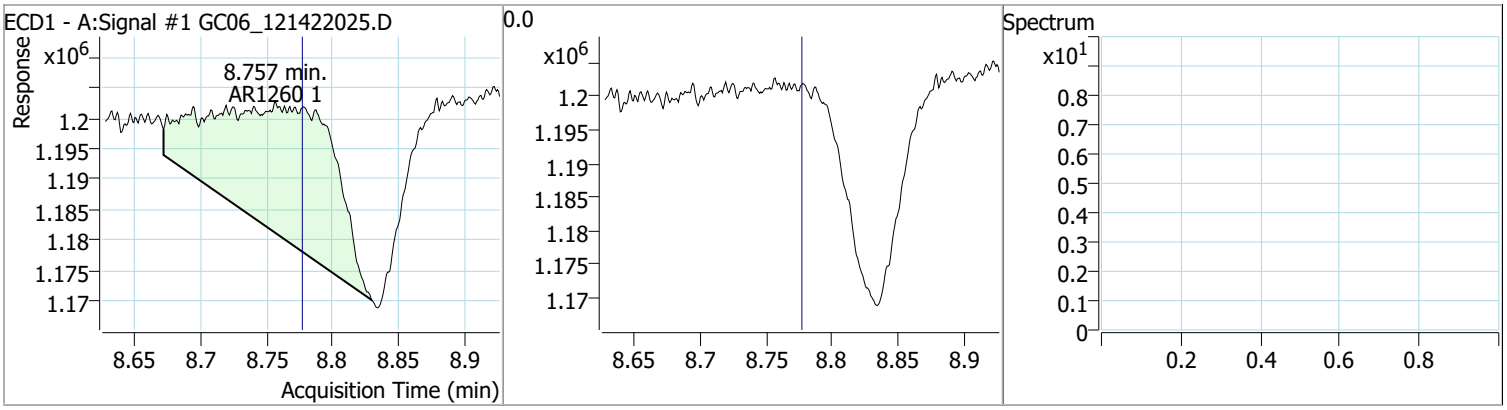
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.3504	7.16	0.00	3271				



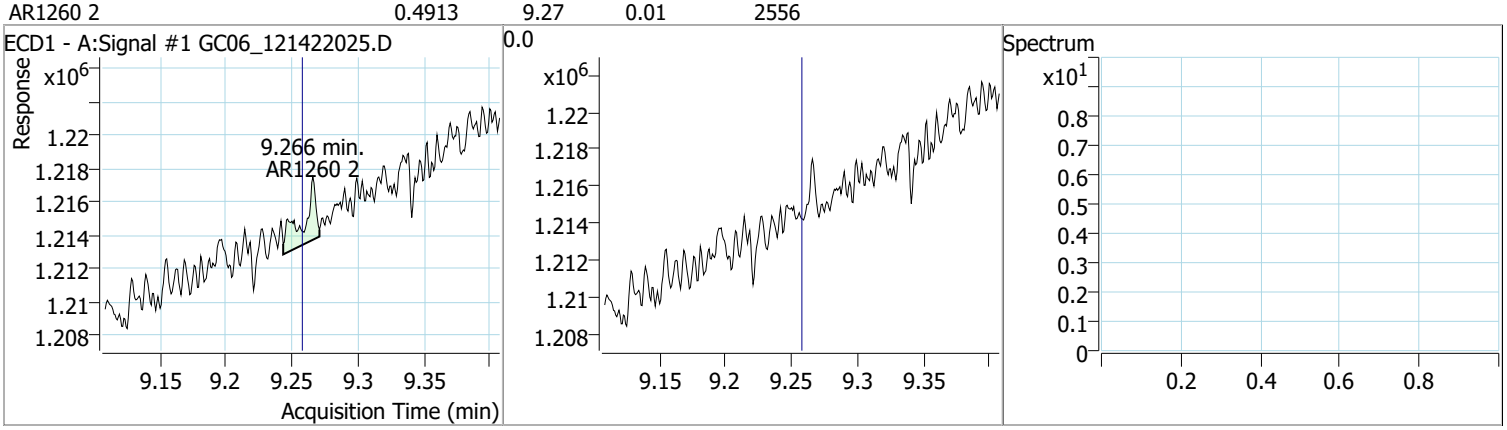
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.5611	7.31	0.01	4257				



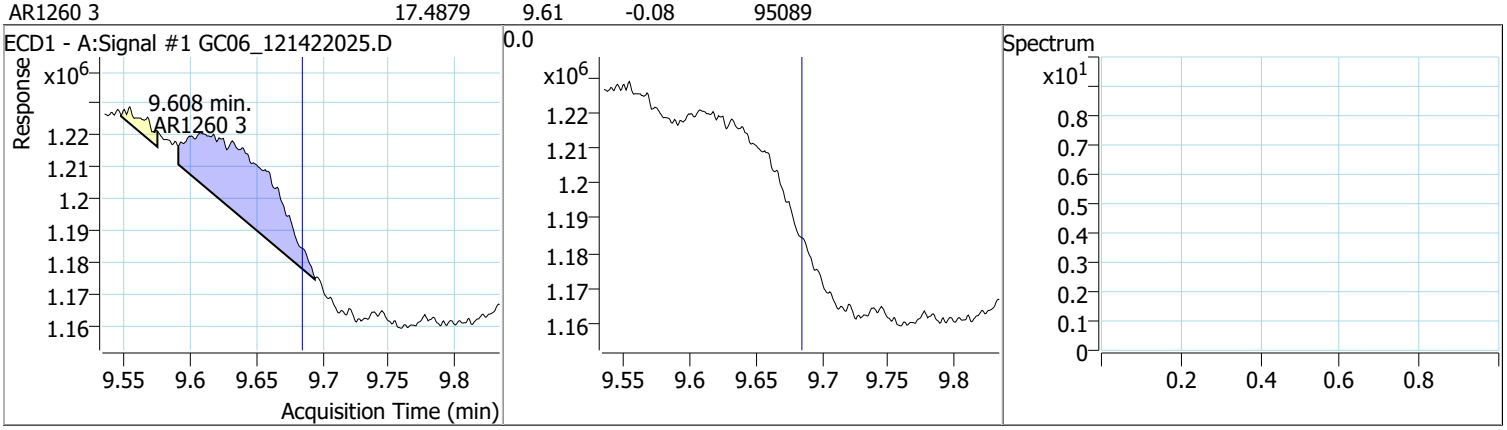
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	41.6228	8.76	-0.02	142063				



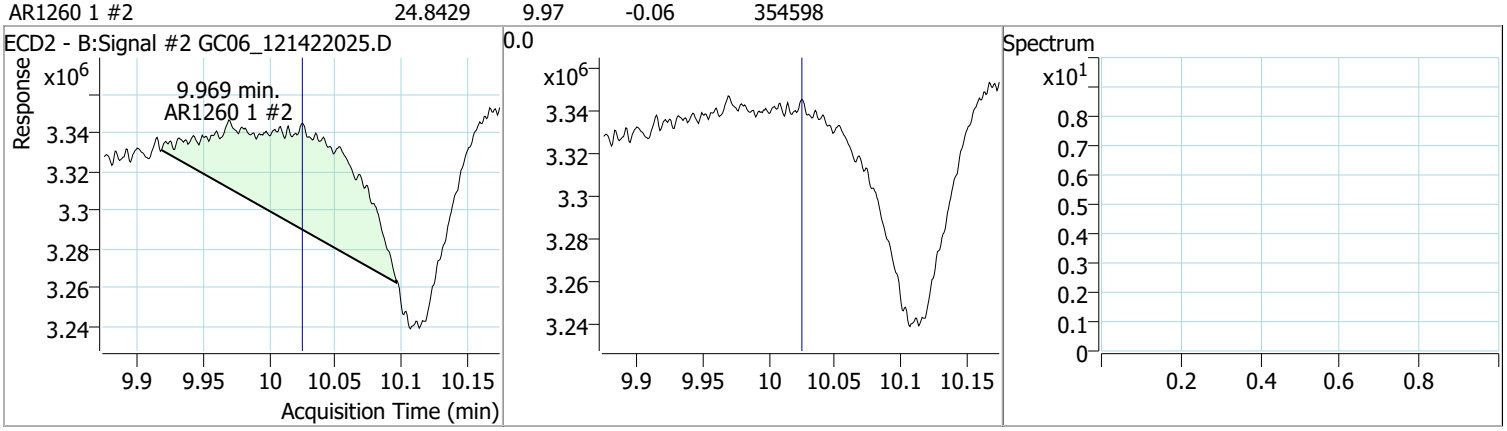
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.4913	9.27	0.01	2556				



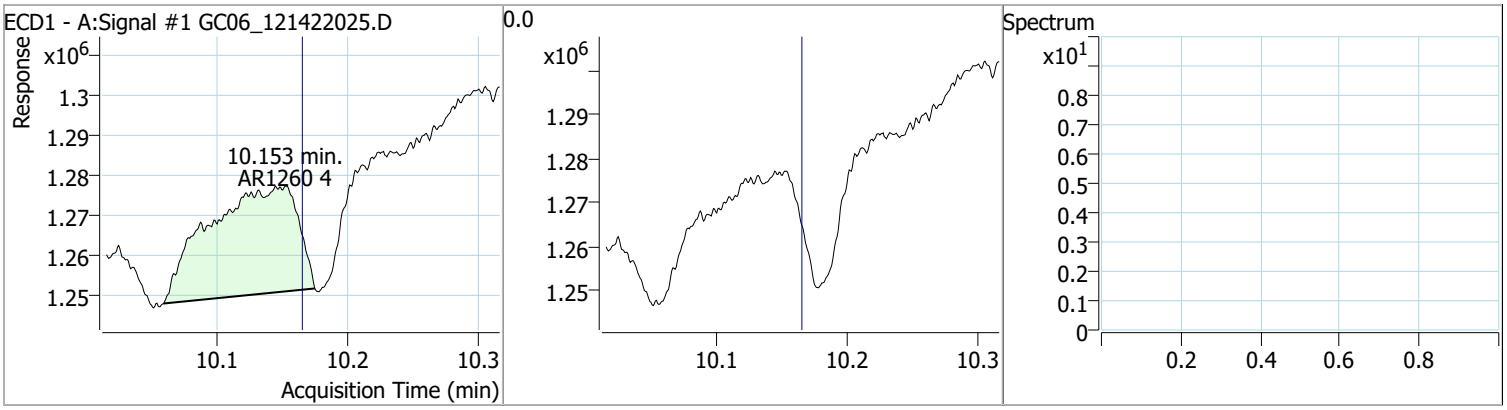
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	17.4879	9.61	-0.08	95089				



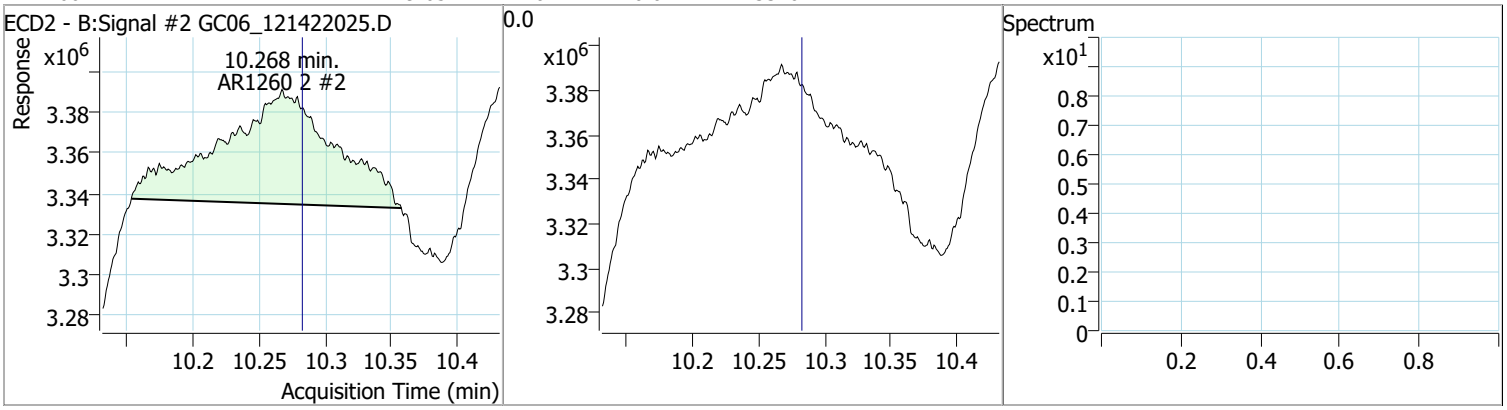
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	24.8429	9.97	-0.06	354598				



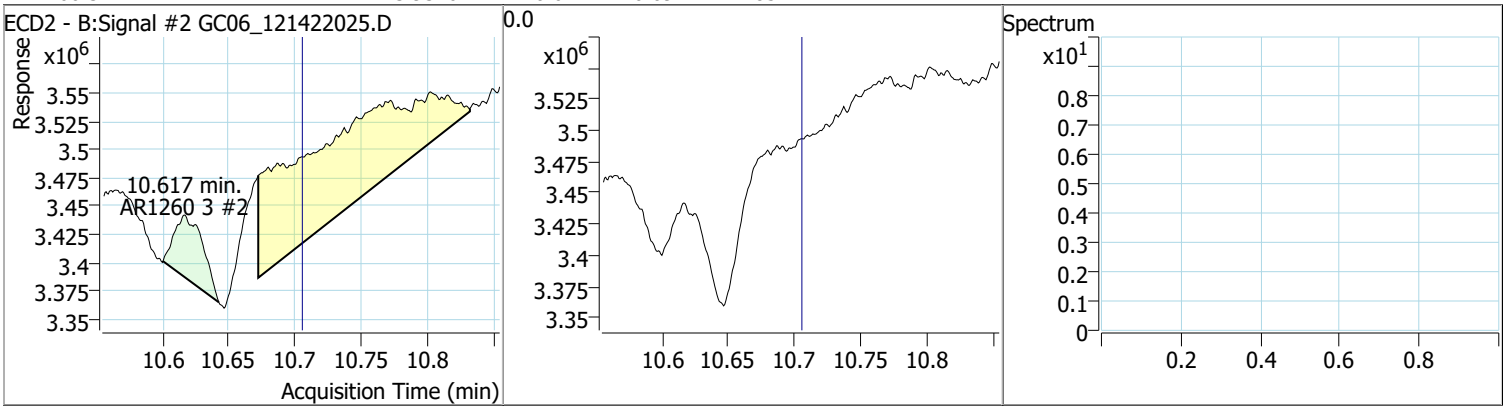
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	28.9345	10.15	-0.01	127440				



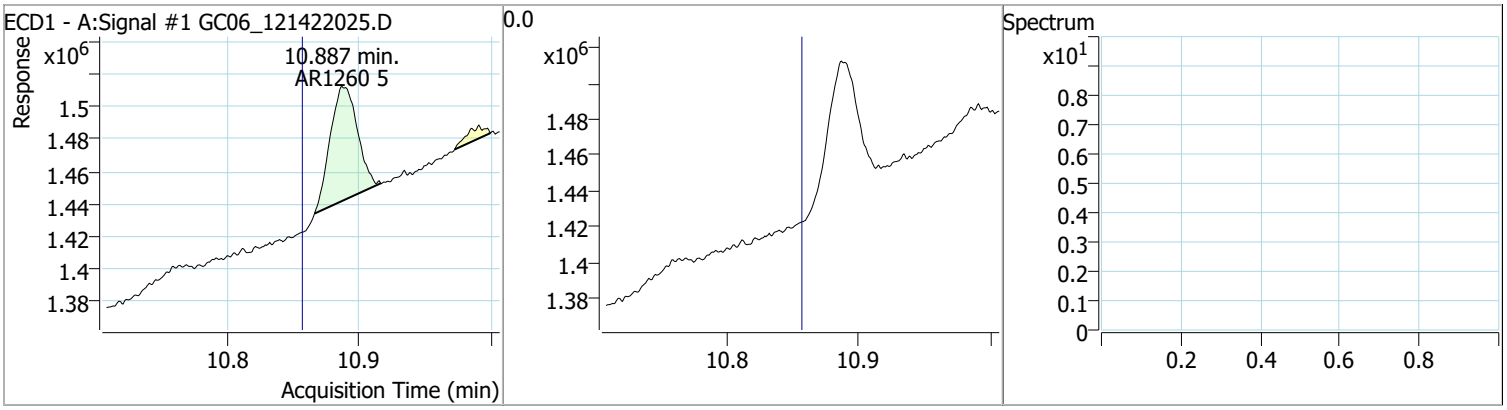
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	19.6517	10.27	-0.02	337027				



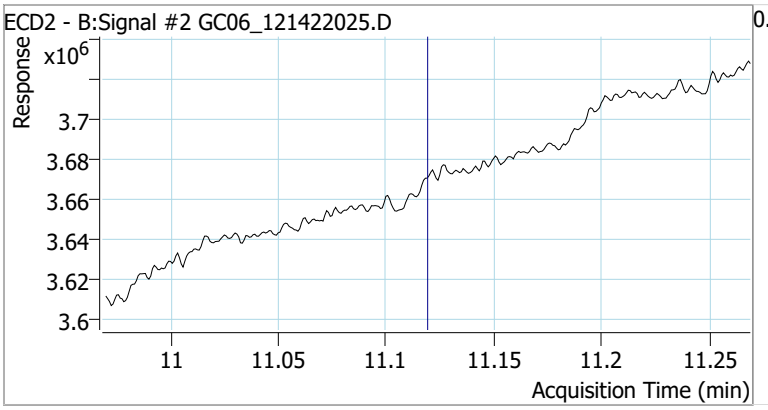
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	3.9376	10.62	-0.09	85477				

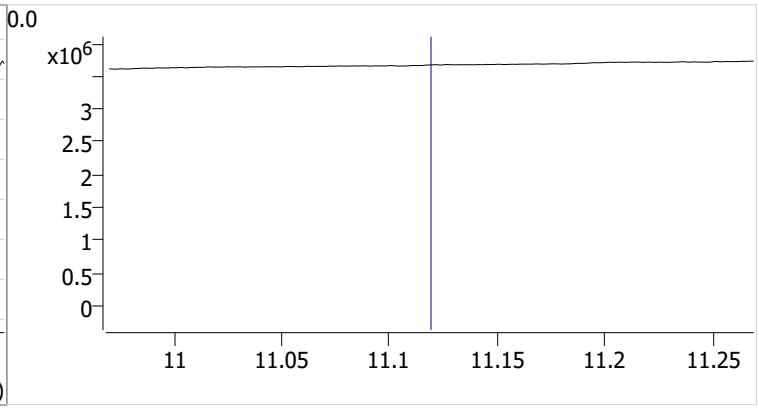


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	0.0000	10.89	0.03	101320				

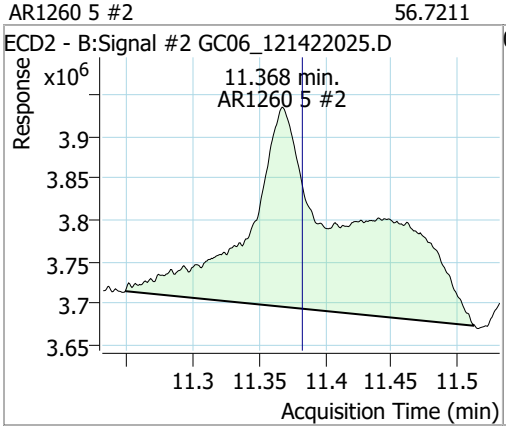


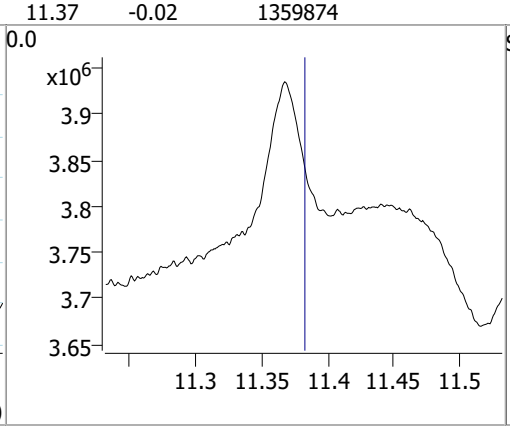
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 4 #2	N.D.	11.12		

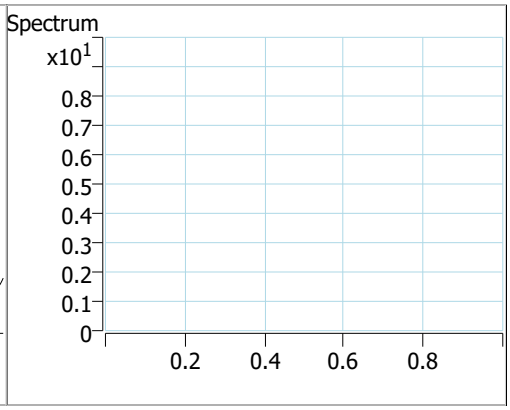




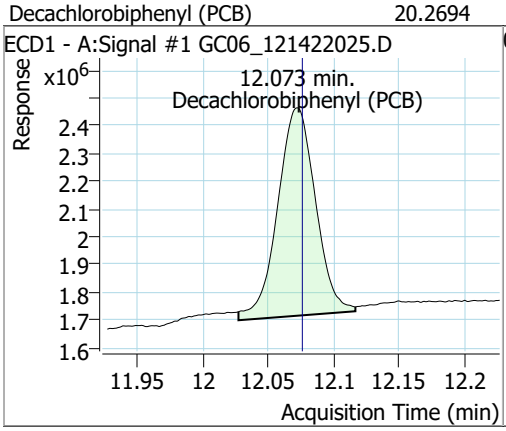
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	56.7211	11.37	-0.02	1359874				

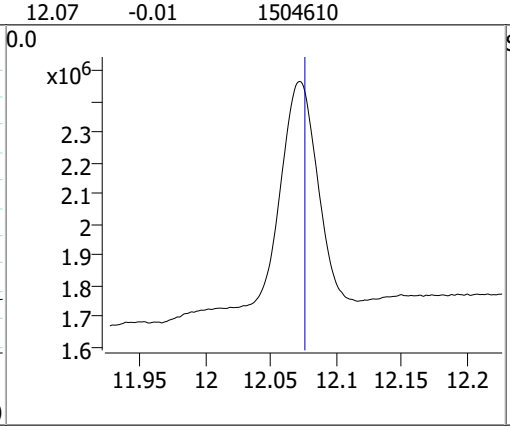


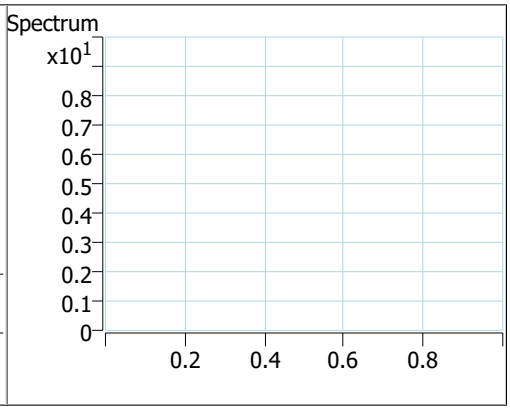




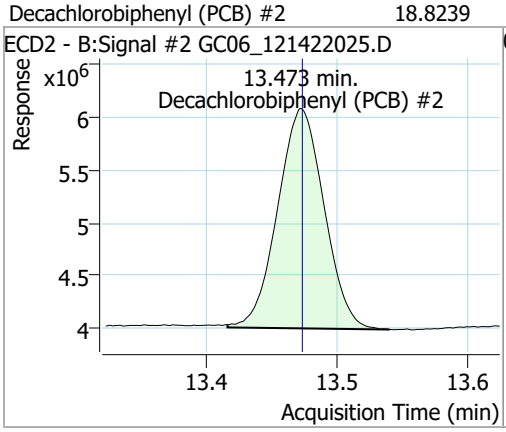
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	20.2694	12.07	-0.01	1504610				

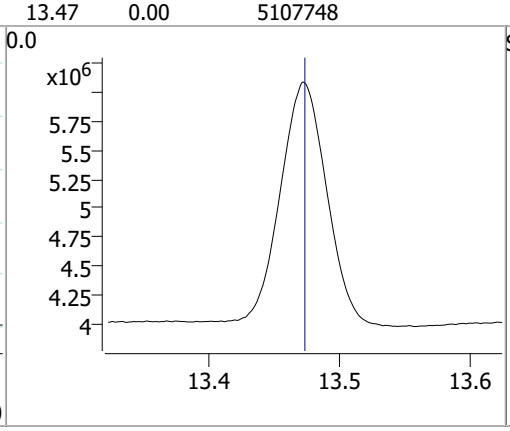


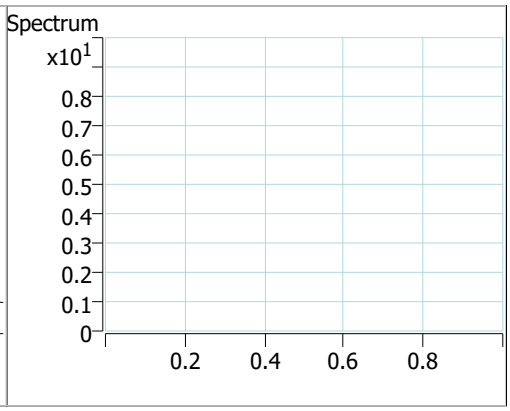




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	18.8239	13.47	0.00	5107748				







ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474716-002	Client ID:	ARCH-C3W-DG-1.5 TO 2-DN-C3W-DG-221209-P-DUP-LA
Seqnum:	452501809026	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422026	Batch:	303181	Time:	14-DEC-2022 19:42
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	7.256	ND	3.9	186%	0.50		u
Aroclor-1016 Peak # 1	B	22.28	0.45	0.29	41%			
Aroclor-1016 Peak # 2	B	1.201	0.02	ND	-257%			
Aroclor-1016 Peak # 3	B	11.63	0.23	0.57	83%			
Aroclor-1016 Peak # 4	B	0.1309	0.00	0.02	148%			
Aroclor-1016 Peak # 5	B	1.031	0.02	18.75	200%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	16.51	ND	0.22	41%	0.50		u
Aroclor-1260 Peak # 1	B	26.39	0.53	0.25	70%			
Aroclor-1260 Peak # 2	B	44.98	0.90	0.01	197%			
Aroclor-1260 Peak # 3	B	2.704	0.05	0.01	156%			
Aroclor-1260 Peak # 4	B	-22.76	ND	0.47	15888%			
Aroclor-1260 Peak # 5	B	31.25	0.62	0.36	54%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	18.00	0.5000	0.3600	72	52-121	u
Decachlorobiphenyl (PCB)	B	14.41	0.5000	0.2882	58	50-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5307613	5011257	-5.58
1-bromo-2-nitrobenzene (PCB)	A	1103956	1060107	-3.97

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

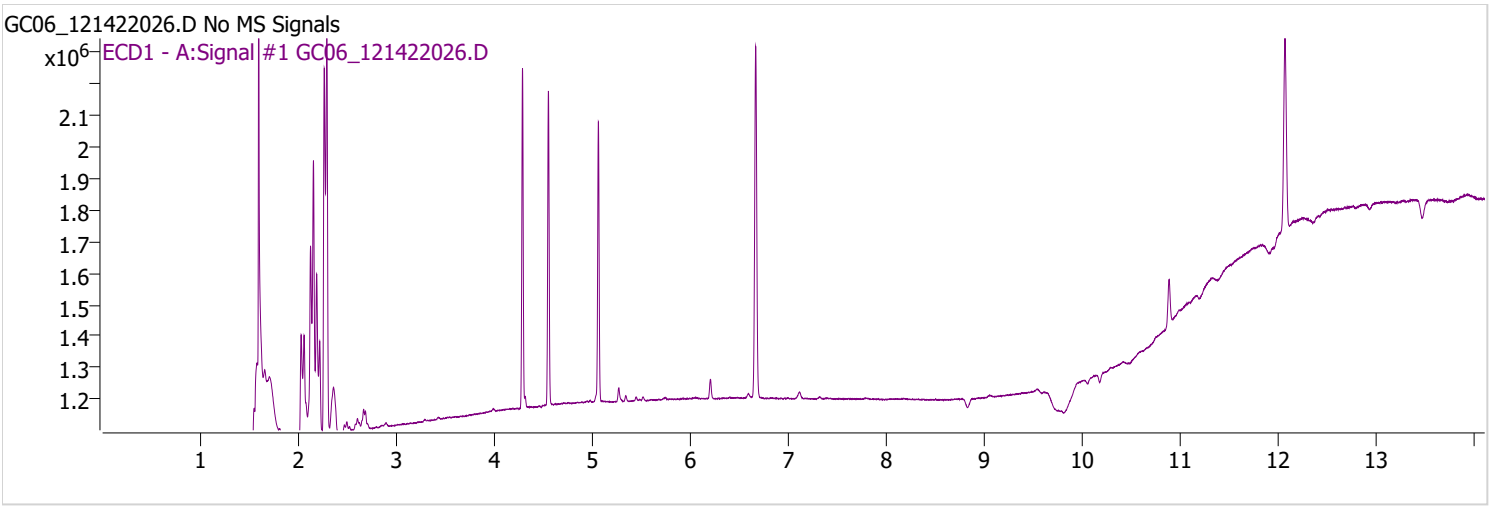
ISTD (CCV gc06_121422004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

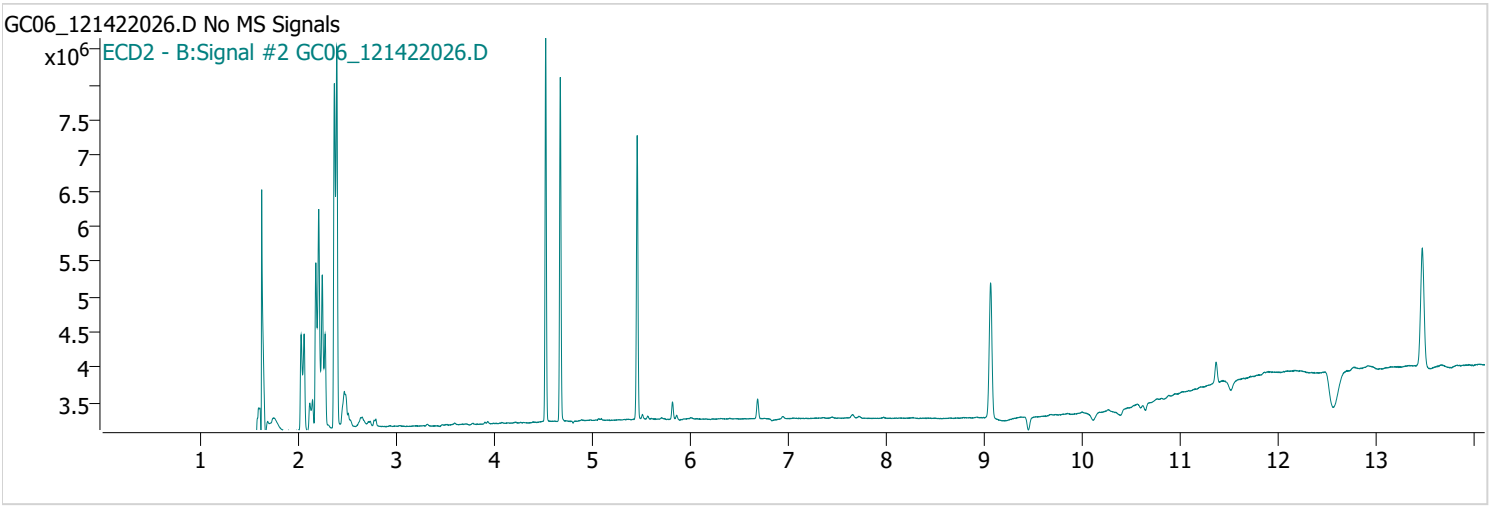
Analyst: MES 12/15/22

Reviewer: LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422026.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 7:42:55 PM
Sample Name	474716-002, 303181, 1	Instrument	SVOA-GC06
Vial	15	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



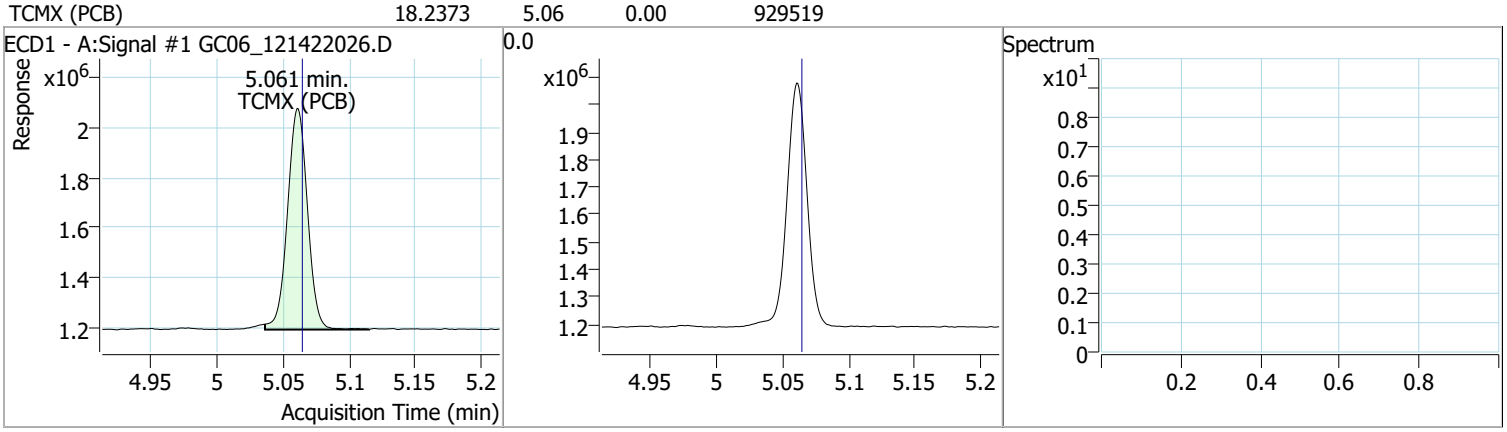


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.287	0.0	1060106.824	20.0000	ng/ml	0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.523	0.0	5011257.077	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.061	0.0	929518.733	18.2373	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 91.19%		
S TCMX (PCB) #2	5.458	0.0	4331462.695	17.9980	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 89.99%		
S Decachlorobiphenyl (PCB)	12.071	0.0	1250062.513	15.1335	ng/ml	-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 75.67%		
S Decachlorobiphenyl (PCB) #2	13.473	0.0	4211705.736	14.4103	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 72.05%		
Target Compounds						**QValue**
T AR1016 1	5.446	0.0	16390.107	14.7467	ng/ml	100

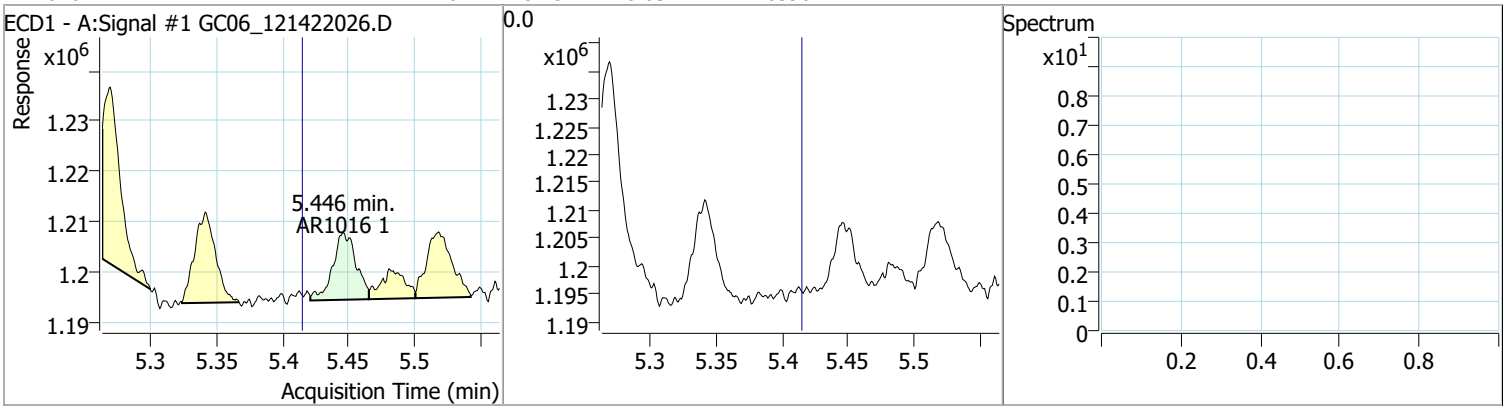
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.745	0.0	12692.218	0.0000	ng/ml	100
T AR1016 1 #2	6.004	0.0	116061.836	22.2840	ng/ml	100
T AR1016 3	6.204	0.0	79743.468	28.2982	ng/ml	100
T AR1016 4	6.353	0.0	1898.295	0.8857	ng/ml	100
T AR1016 2 #2	6.403	0.0	9032.413	1.2014	ng/ml	100
T AR1016 5	6.667	0.0	1618750.025	937.7084	ng/ml	100
T AR1016 3 #2	6.943	0.0	158914.789	11.6327	ng/ml	100
T AR1016 4 #2	7.156	0.0	1276.760	0.1309	ng/ml	100
T AR1016 5 #2	7.277	0.0	8174.274	1.0311	ng/ml	100
T AR1260 1	8.779	0.0	45349.507	12.6525	ng/ml	100
T AR1260 2	9.269	0.0	1809.119	0.3312	ng/ml	100
T AR1260 3	9.758	0.0	1886.583	0.3304	ng/ml	100
T AR1260 1 #2	9.998	0.0	393634.643	26.3946	ng/ml	100
T AR1260 4	10.148	0.0	116974.447	23.3454	ng/ml	100
T AR1260 2 #2	10.268	0.0	806007.348	44.9810	ng/ml	100
T AR1260 3 #2	10.617	0.0	61330.339	2.7040	ng/ml	100
T AR1260 5	10.888	0.0	229716.567	18.0377	ng/ml	100
T AR1260 4 #2	11.086	0.0	11050.523	0.0000	ng/ml	100
T AR1260 5 #2	11.367	0.0	940824.555	31.2552	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

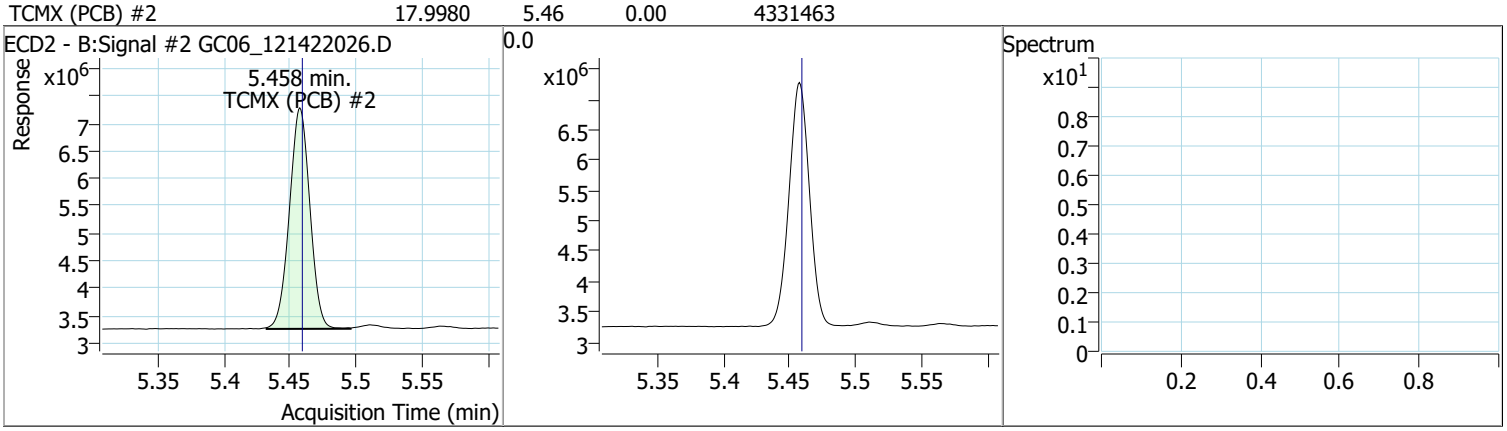
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.2373	5.06	0.00	929519				



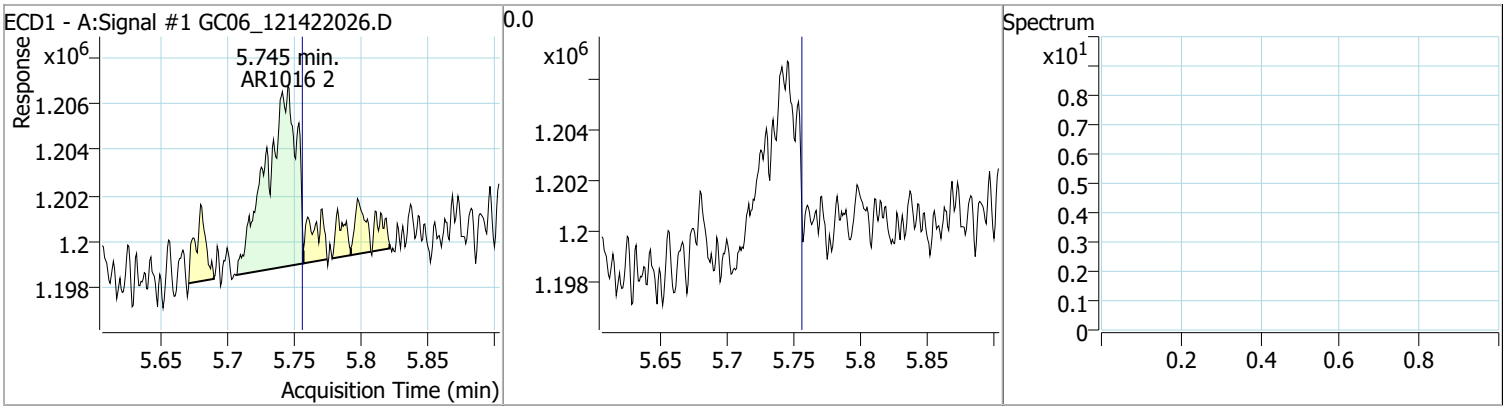
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	14.7467	5.45	0.03	16390				



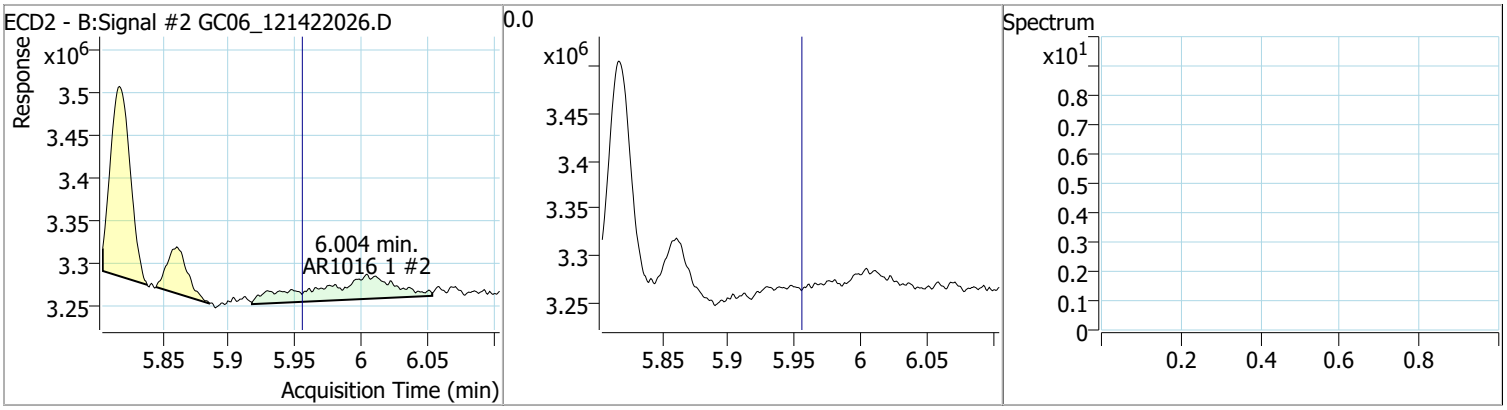
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	17.9980	5.46	0.00	4331463				



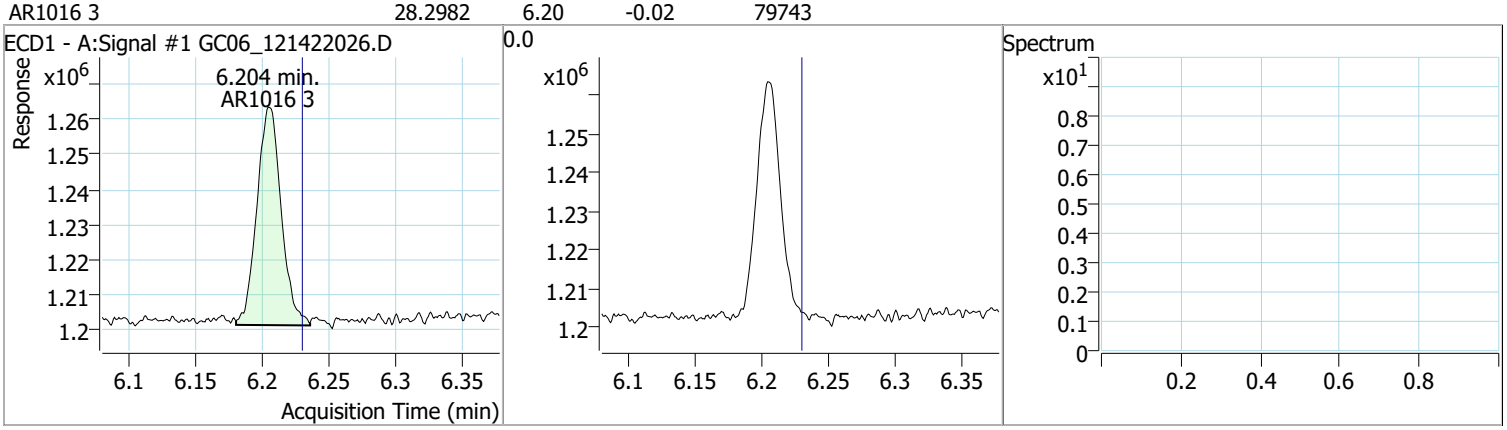
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.75	-0.01	12692				



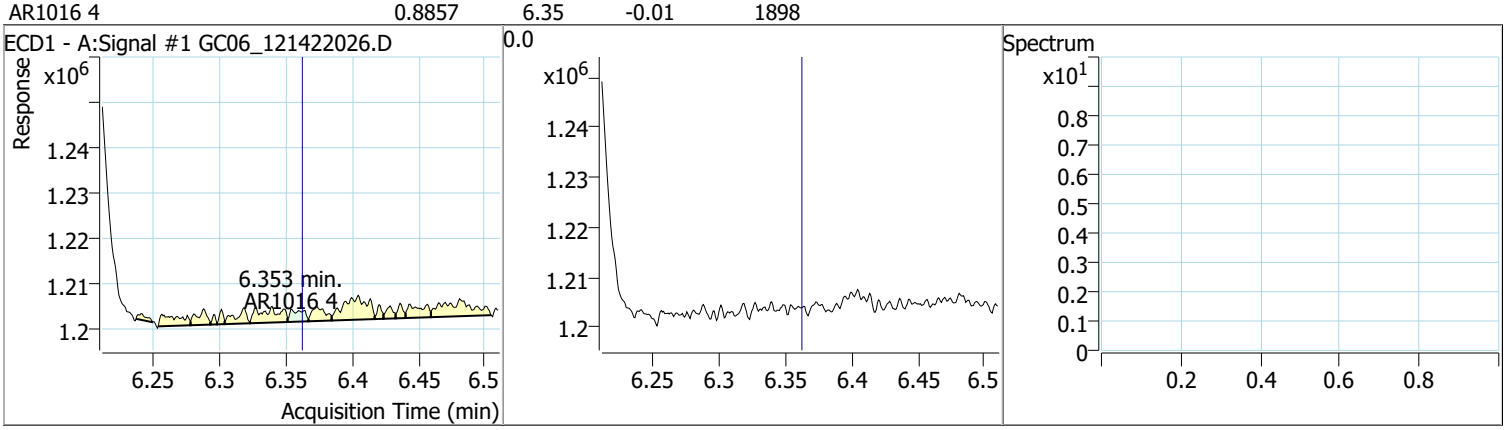
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	22.2840	6.00	0.05	116062				



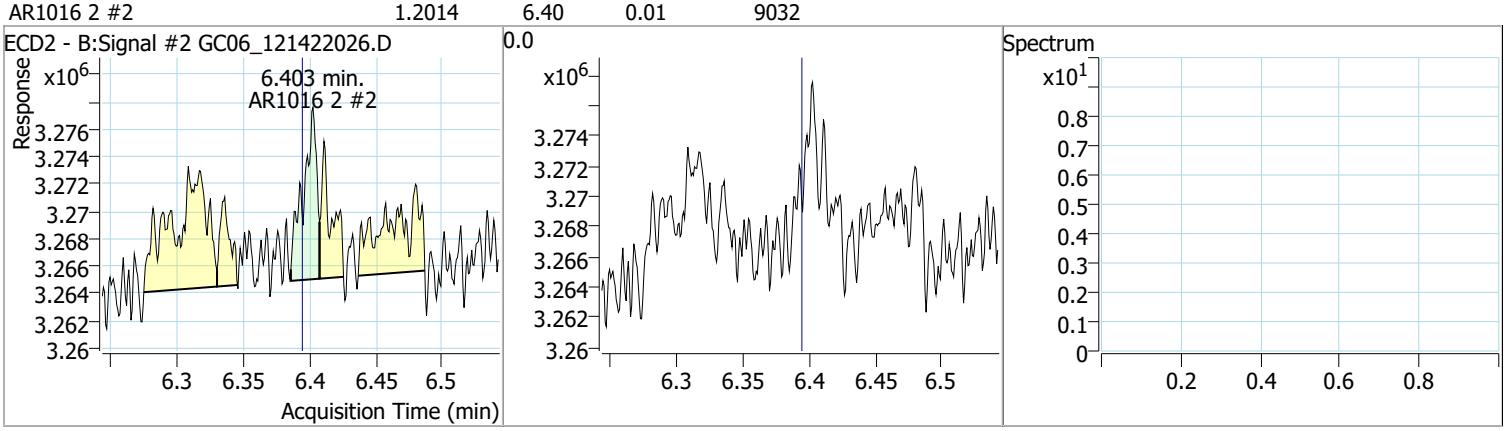
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	28.2982	6.20	-0.02	79743				



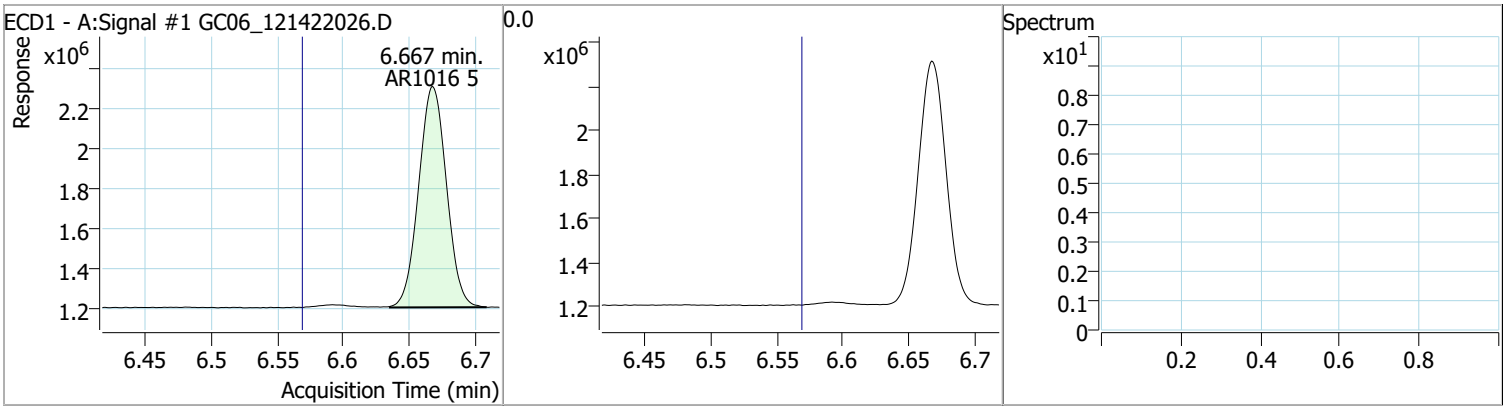
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.8857	6.35	-0.01	1898				



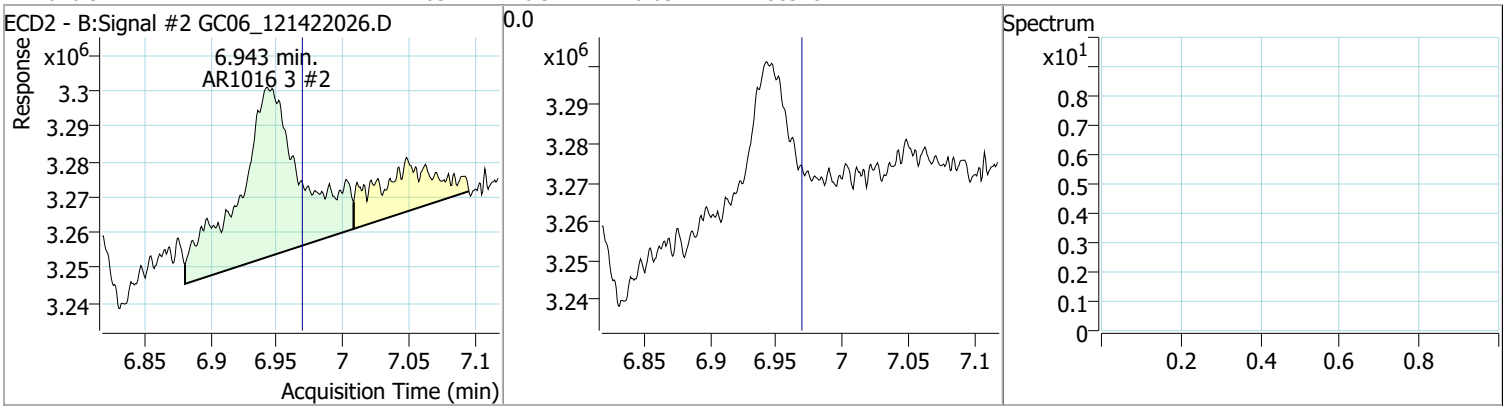
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1.2014	6.40	0.01	9032				



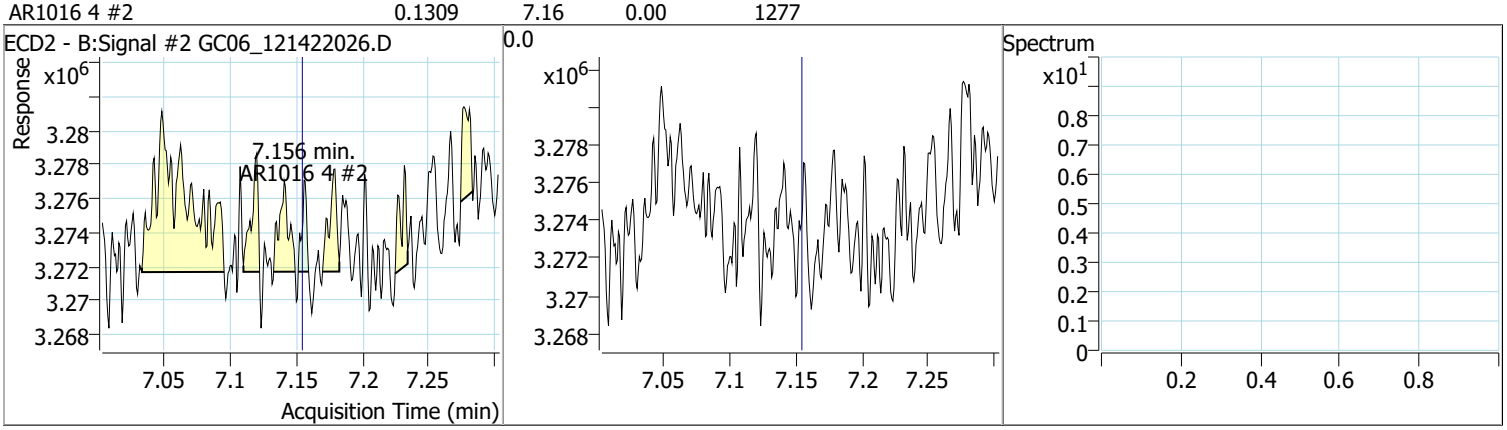
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	937.7084	6.67	0.10	1618750				



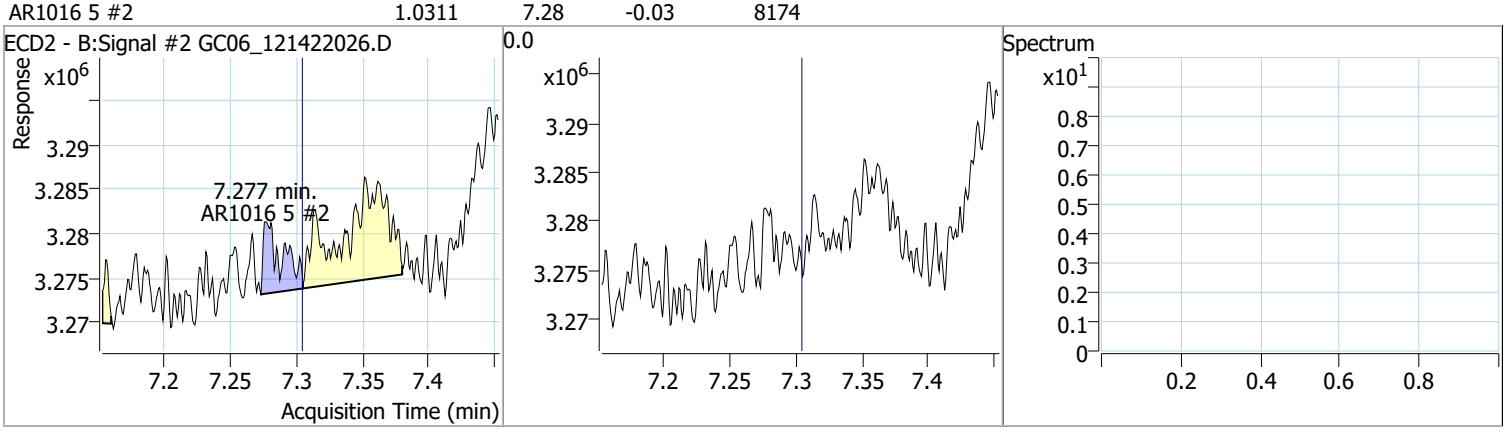
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	11.6327	6.94	-0.03	158915				



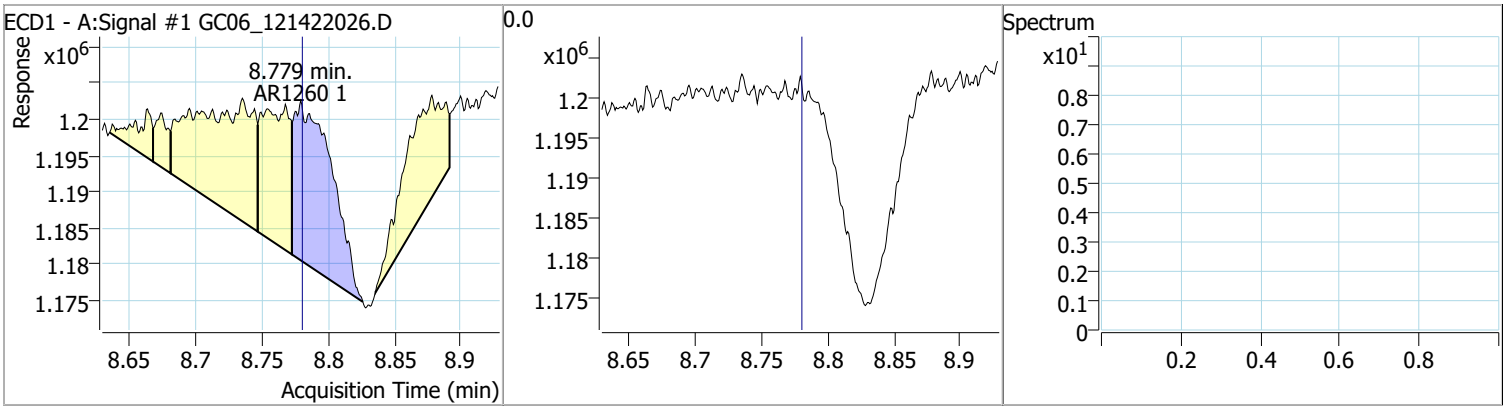
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.1309	7.16	0.00	1277				



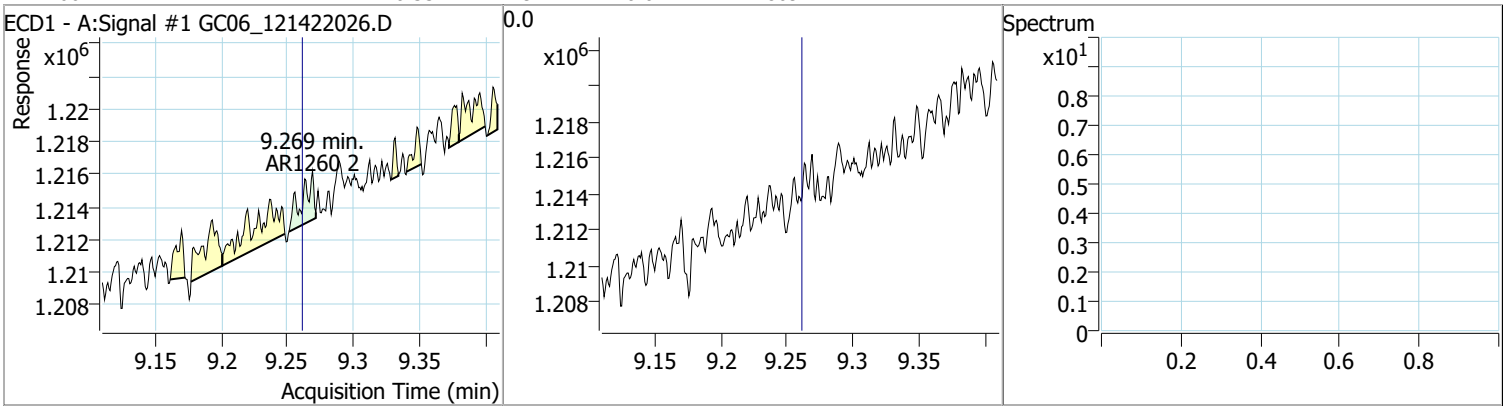
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.0311	7.28	-0.03	8174				



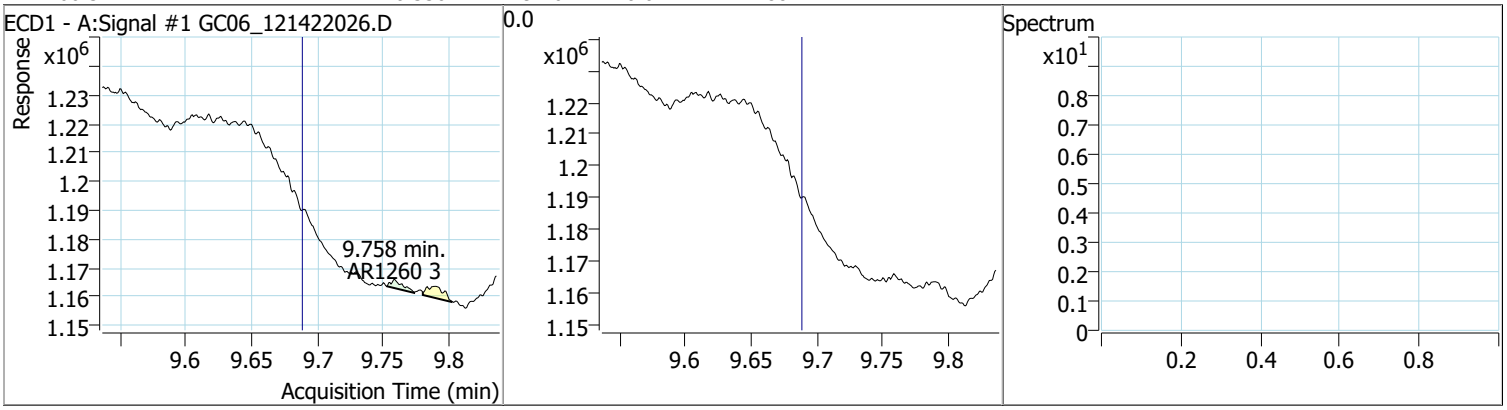
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	12.6525	8.78	0.00	45350				



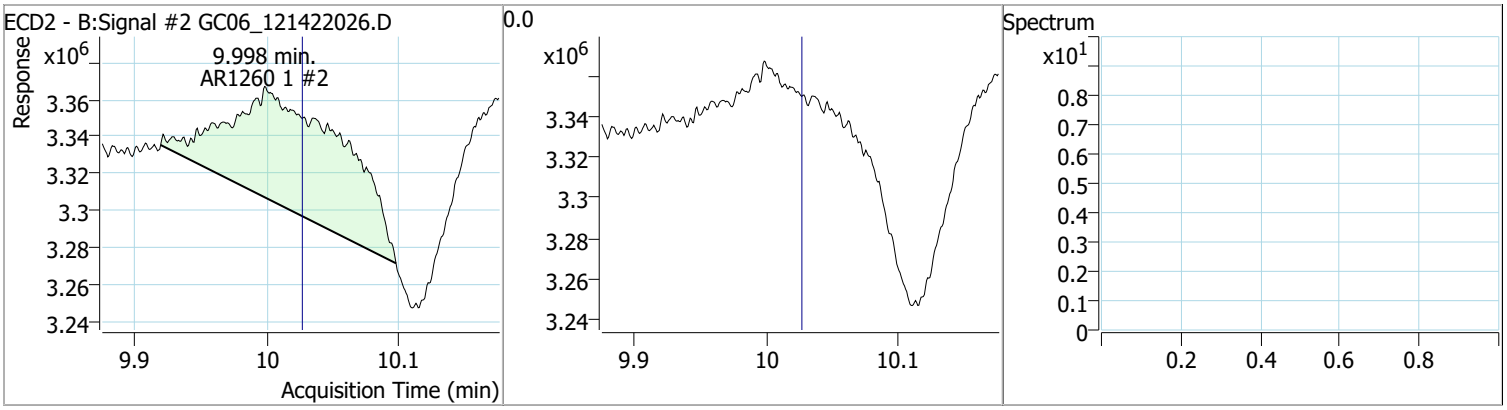
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.3312	9.27	0.01	1809				



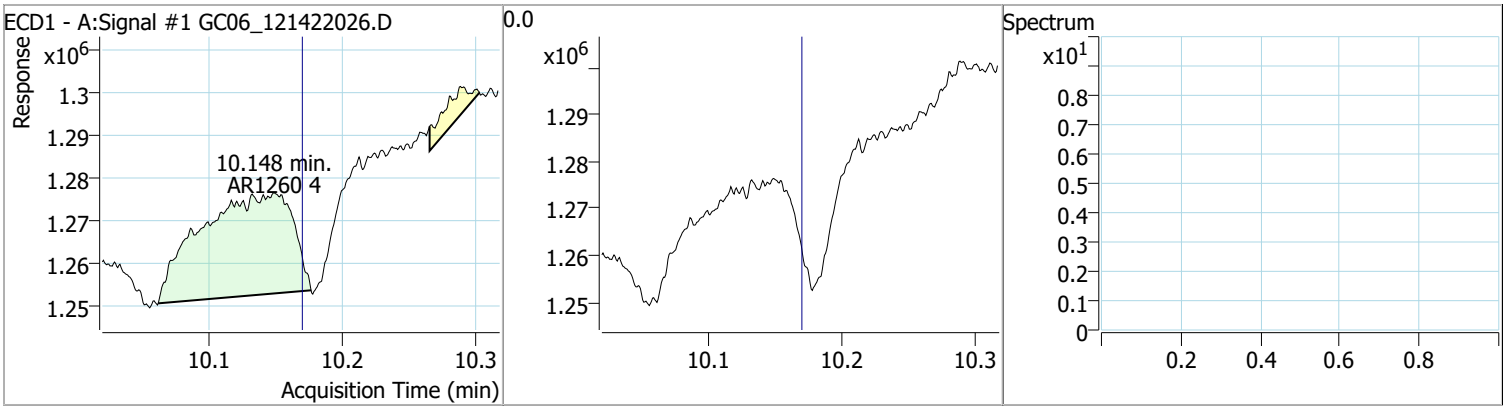
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.3304	9.76	0.07	1887				



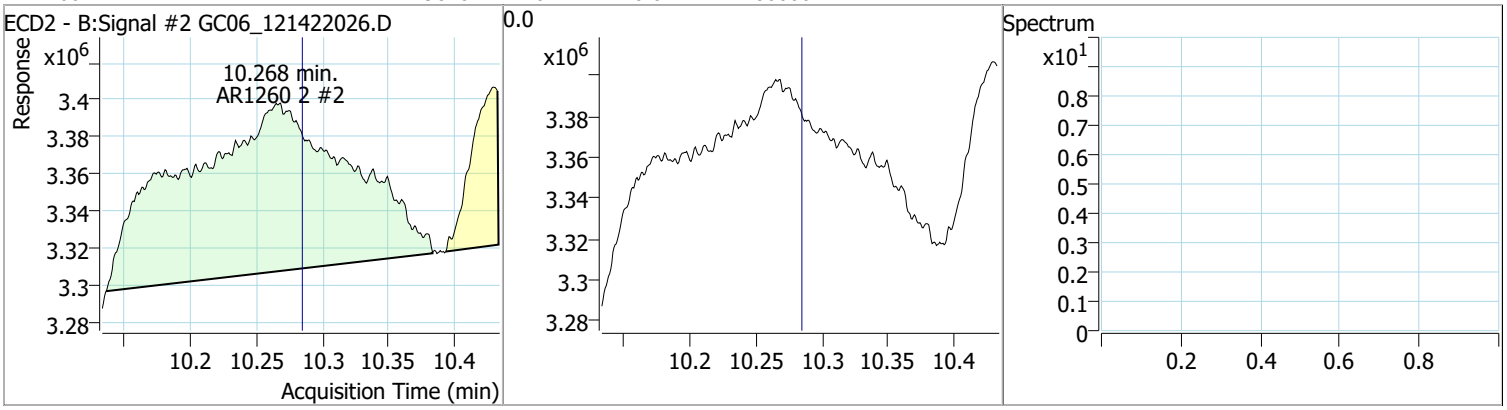
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	26.3946	10.00	-0.03	393635				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	23.3454	10.15	-0.02	116974				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	44.9810	10.27	-0.01	806007				



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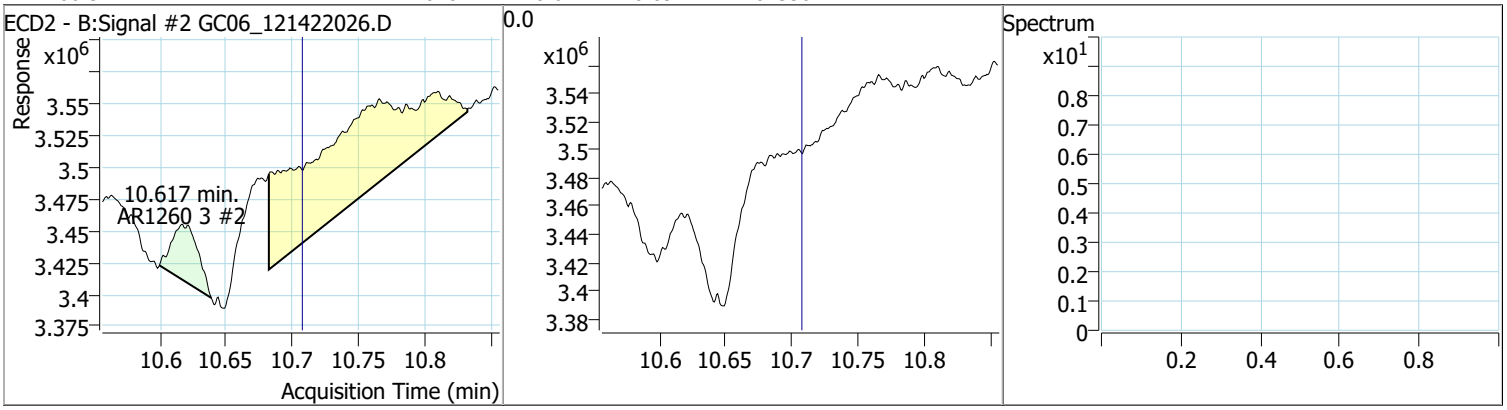
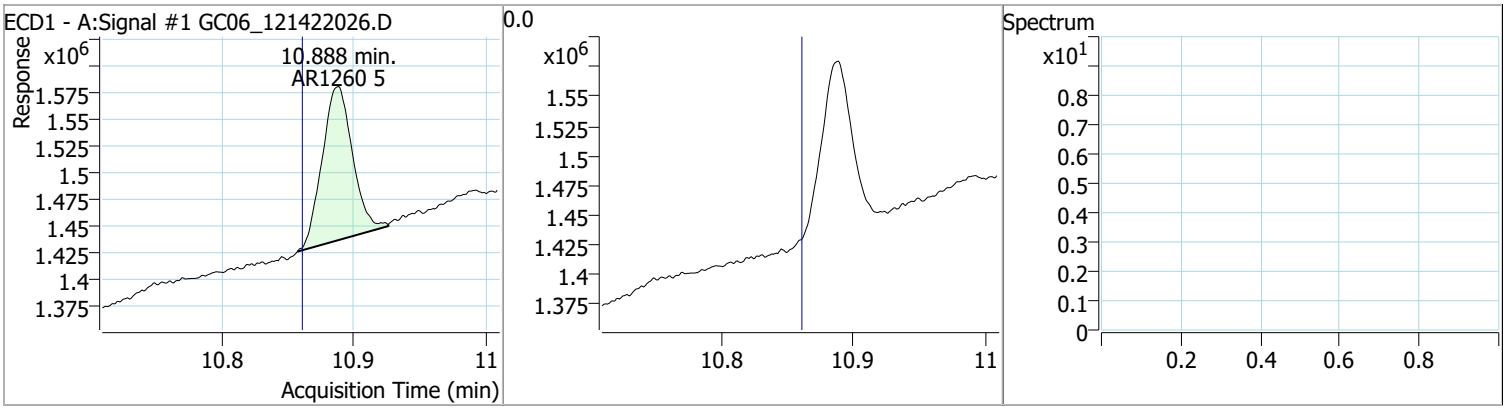
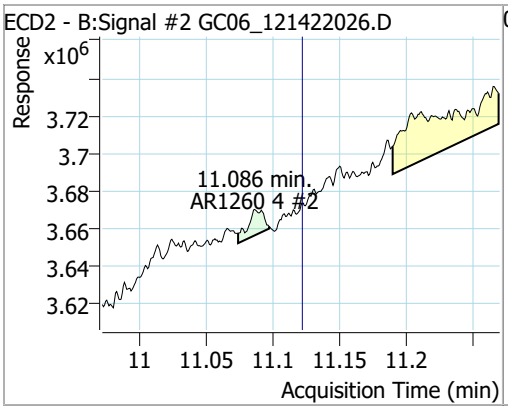
AR1260 3 #2	2.7040	10.62	-0.09	61330				

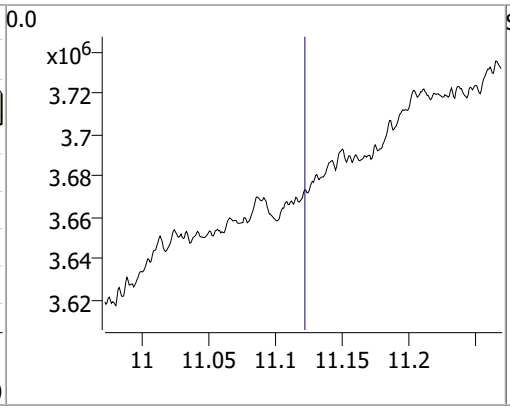


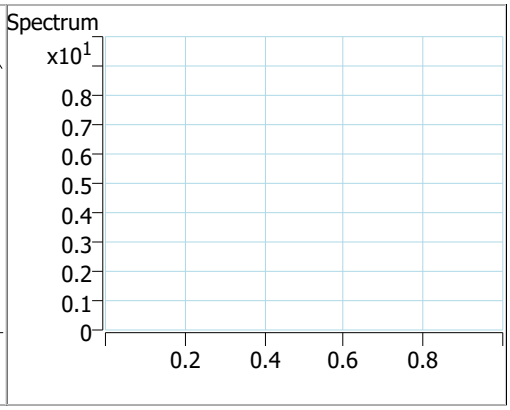
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	18.0377	10.89	0.03	229717				



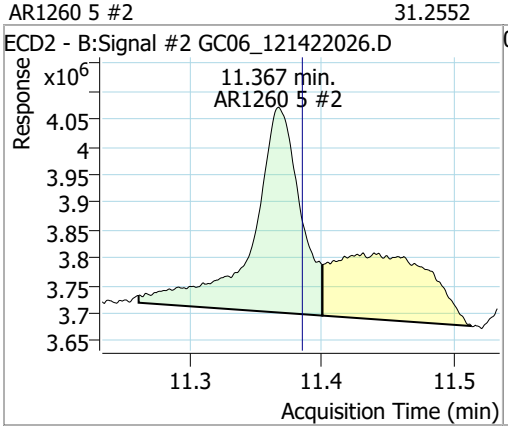
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.09	-0.03	11051				

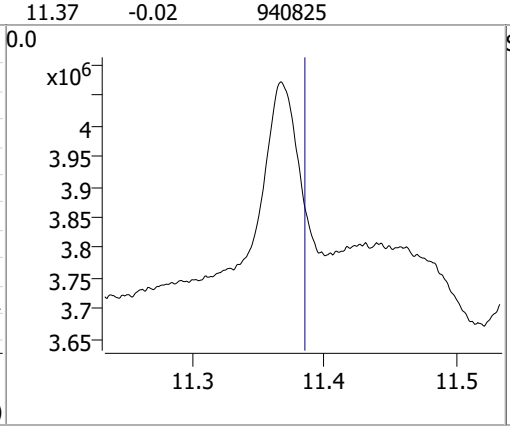


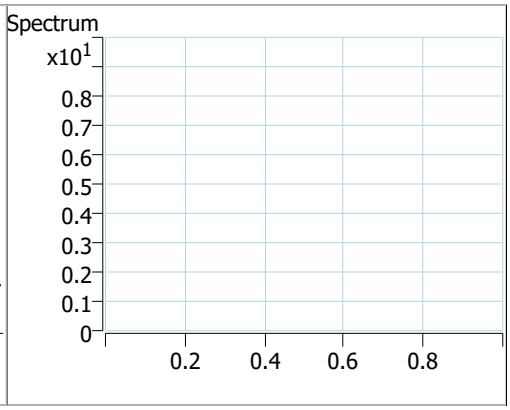




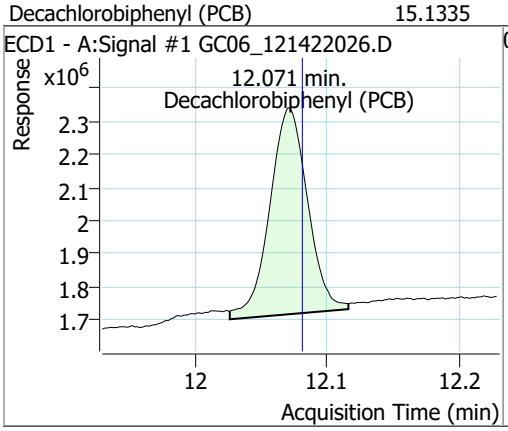
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	31.2552	11.37	-0.02	940825				

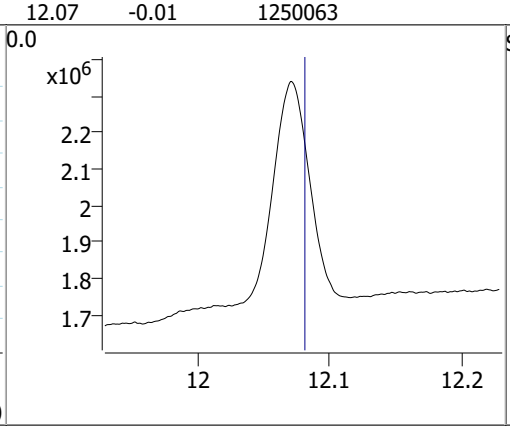


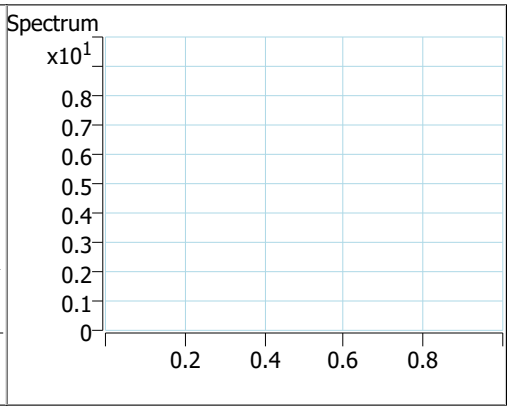




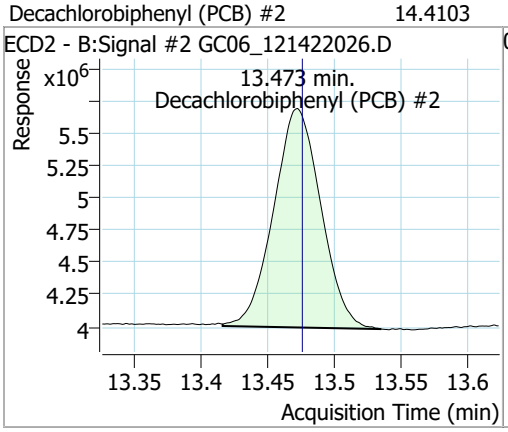
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	15.1335	12.07	-0.01	1250063				

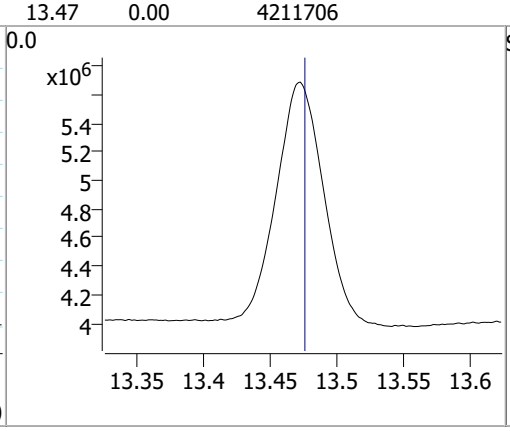


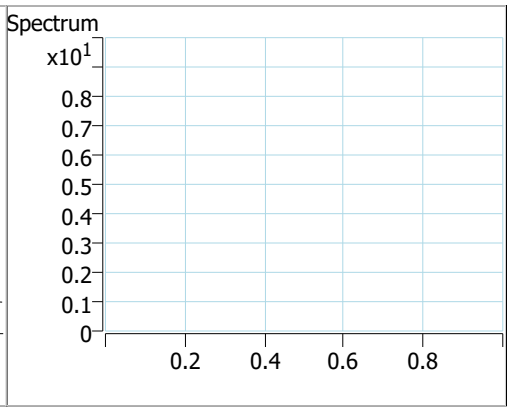




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	14.4103	13.47	0.00	4211706				







ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474716-003	Client ID:	ARCH-C5W-DG-2.5 TO 3-UP-C5.6-DG-221209-P-DUP-LA
Seqnum:	452501809027	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422027	Batch:	303181	Time:	14-DEC-2022 20:01
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	17.04	ND	0.28	19%	0.50		u
Aroclor-1016 Peak # 1	B	38.12	0.76	0.38	67%			
Aroclor-1016 Peak # 2	B	4.384	0.09	ND	-450%			
Aroclor-1016 Peak # 3	B	40.65	0.81	0.69	16%			
Aroclor-1016 Peak # 4	B	0.4788	0.01	0.01	30%			
Aroclor-1016 Peak # 5	B	1.580	0.03	0.54	178%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	15.61	ND	0.23	30%	0.50		u
Aroclor-1260 Peak # 1	B	34.44	0.69	0.81	16%			
Aroclor-1260 Peak # 2	B	42.07	0.84	0.01	195%			
Aroclor-1260 Peak # 3	B	2.339	0.05	0.01	110%			
Aroclor-1260 Peak # 4	B	-22.28	ND	0.34	-1528%			
Aroclor-1260 Peak # 5	B	21.48	0.43	ND	227%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	18.86	0.5000	0.3771	75	52-121	u
Decachlorobiphenyl (PCB)	B	16.65	0.5000	0.3331	67	50-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5307613	4726664	-10.95
1-bromo-2-nitrobenzene (PCB)	A	1103956	985706	-10.71

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

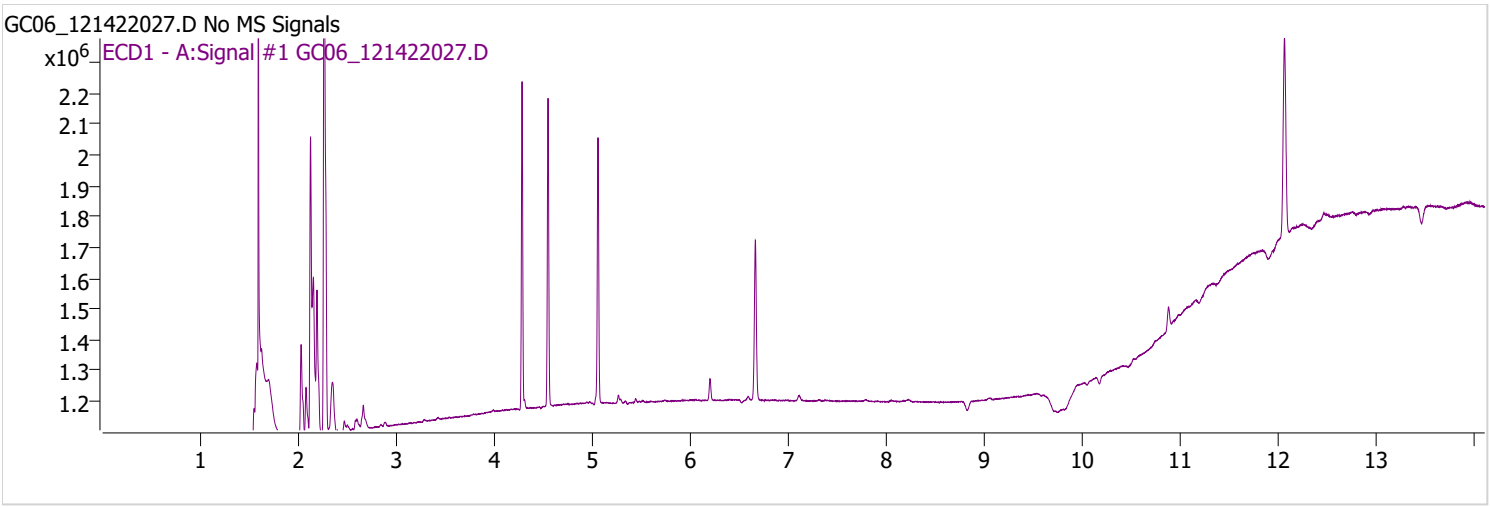
ISTD (CCV gc06_121422004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.28	-0.01

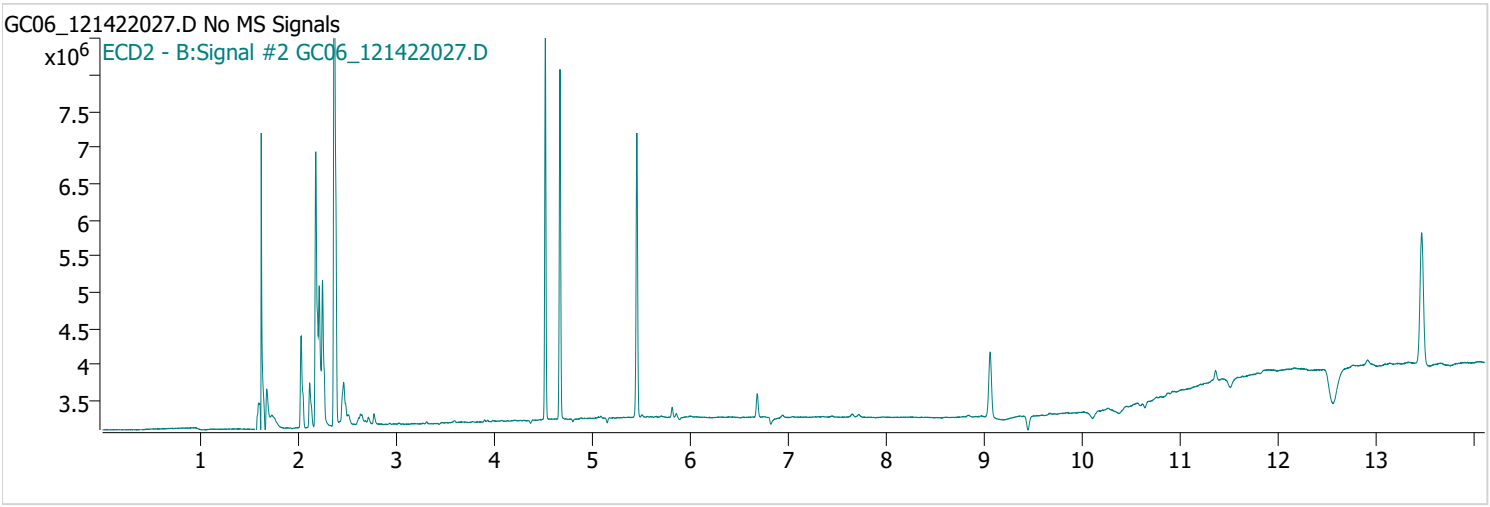
Analyst: MES 12/15/22

Reviewer: LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422027.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 8:01:12 PM
Sample Name	474716-003, 303181, 1	Instrument	SVOA-GC06
Vial	16	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



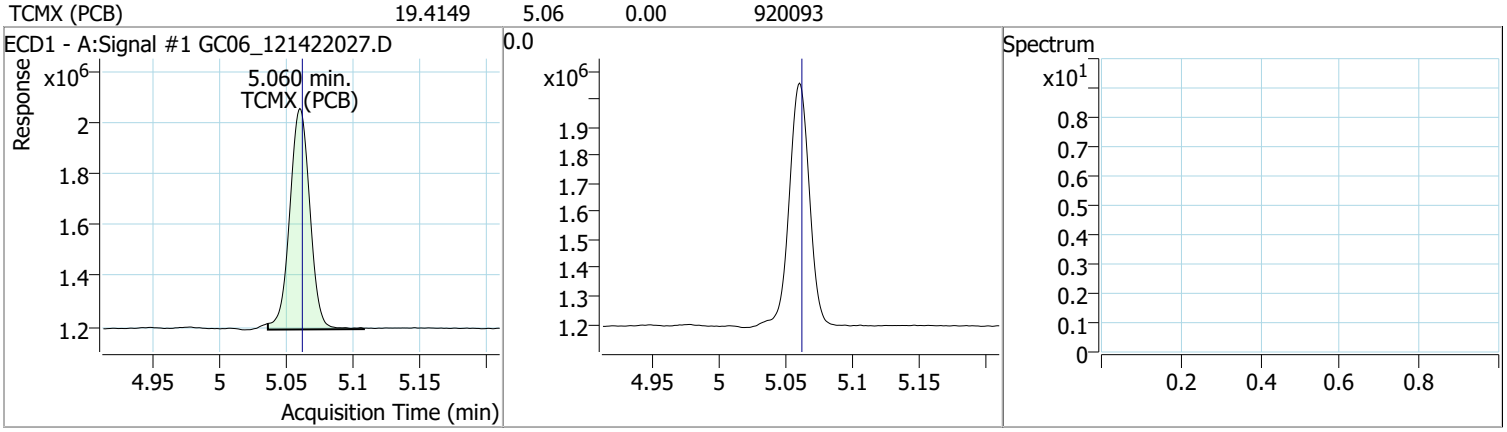


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	985705.899	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	4726663.706	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.060	0.0	920092.898	19.4149	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.07%		
S TCMX (PCB) #2	5.457	0.0	4280078.553	18.8553	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 94.28%		
S Decachlorobiphenyl (PCB)	12.070	0.0	1313874.879	17.6701	ng/ml	-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 88.35%		
S Decachlorobiphenyl (PCB) #2	13.472	0.0	4511993.642	16.6542	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 83.27%		
Target Compounds						**QValue**
T AR1016 1	5.444	0.0	19689.526	19.0524	ng/ml	100

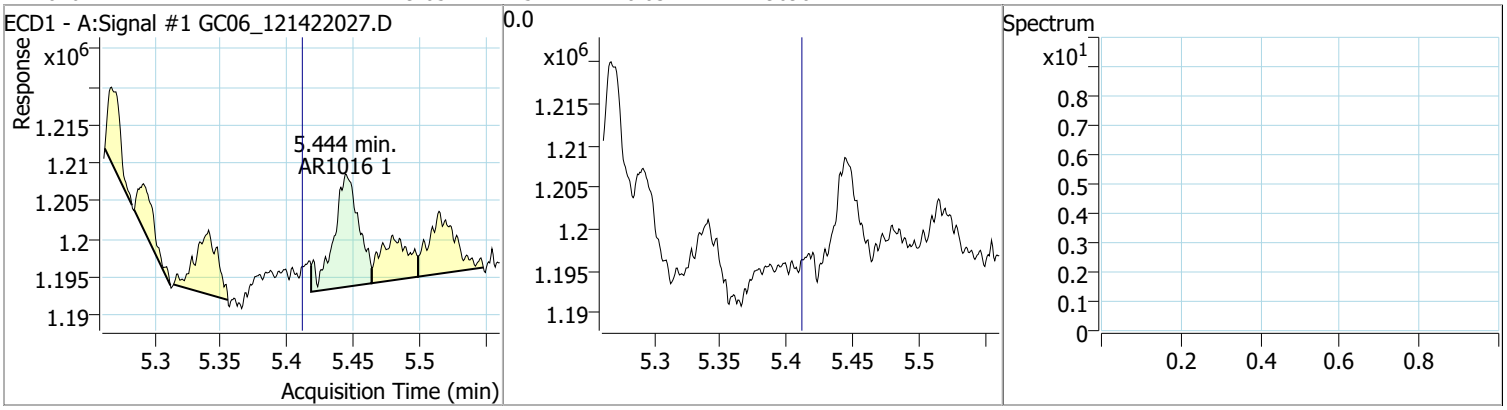
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.746	0.0	8193.749	0.0000	ng/ml	100
T AR1016 1 #2	6.000	0.0	187245.769	38.1160	ng/ml	100
T AR1016 3	6.203	0.0	90876.550	34.6831	ng/ml	100
T AR1016 4	6.352	0.0	1295.244	0.6500	ng/ml	100
T AR1016 2 #2	6.405	0.0	31086.442	4.3836	ng/ml	100
T AR1016 5	6.593	0.0	43554.150	27.1344	ng/ml	100
T AR1016 3 #2	6.948	0.0	523764.432	40.6485	ng/ml	100
T AR1016 4 #2	7.146	0.0	4404.653	0.4788	ng/ml	100
T AR1016 5 #2	7.316	0.0	11816.403	1.5803	ng/ml	100
T AR1260 1	8.768	0.0	135325.409	40.6054	ng/ml	100
T AR1260 2	9.280	0.0	2475.095	0.4873	ng/ml	100
T AR1260 3	9.785	0.0	3583.607	0.6750	ng/ml	100
T AR1260 1 #2	10.025	0.0	484413.617	34.4374	ng/ml	100
T AR1260 4	10.148	0.0	91303.833	17.1188	ng/ml	100
T AR1260 2 #2	10.267	0.0	711104.865	42.0742	ng/ml	100
T AR1260 3 #2	10.617	0.0	50049.131	2.3395	ng/ml	100
T AR1260 5	10.888	0.0	99047.914	0.0000	ng/ml	100
T AR1260 4 #2	11.216	0.0	16156.181	0.0000	ng/ml	100
T AR1260 5 #2	11.368	0.0	713693.774	21.4851	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

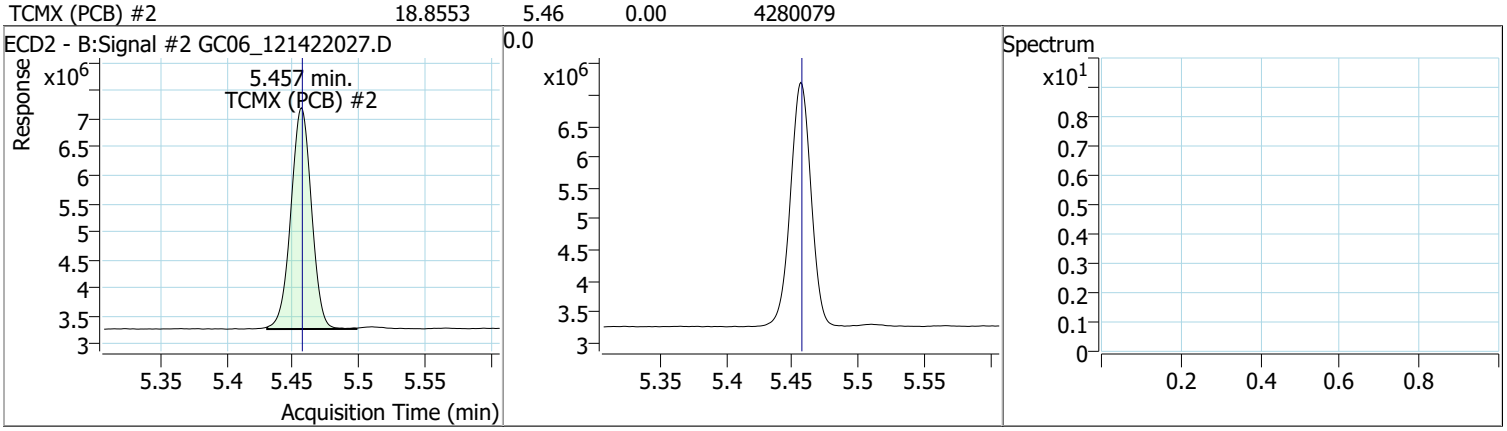
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	19.4149	5.06	0.00	920093				



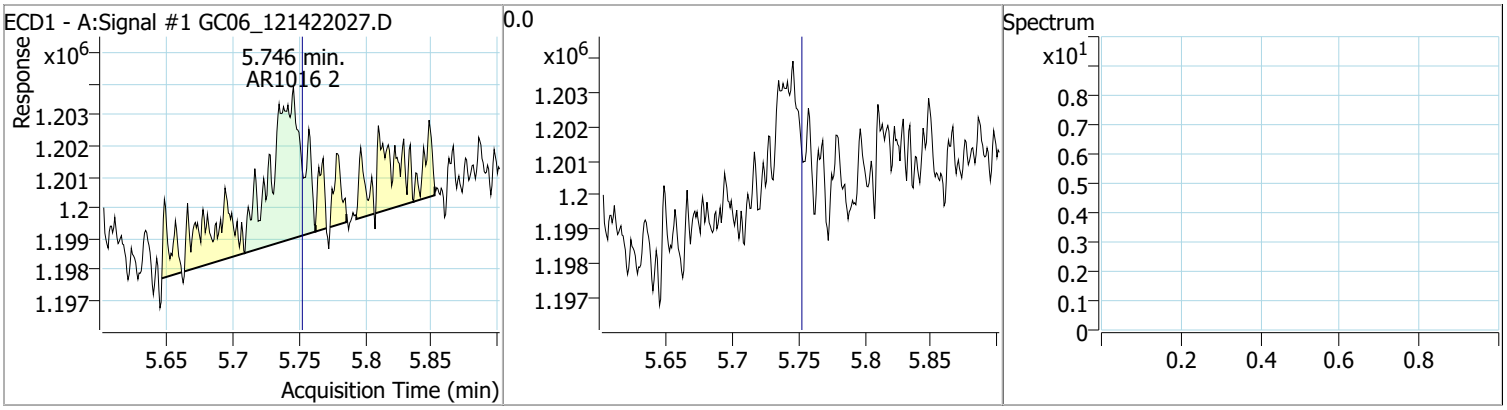
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	19.0524	5.44	0.03	19690				



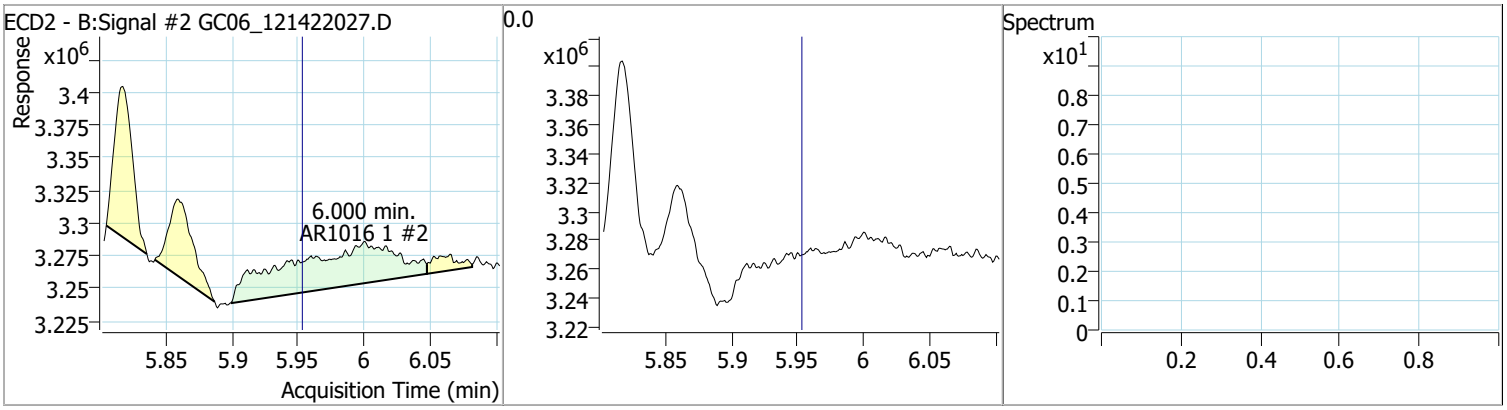
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	18.8553	5.46	0.00	4280079				



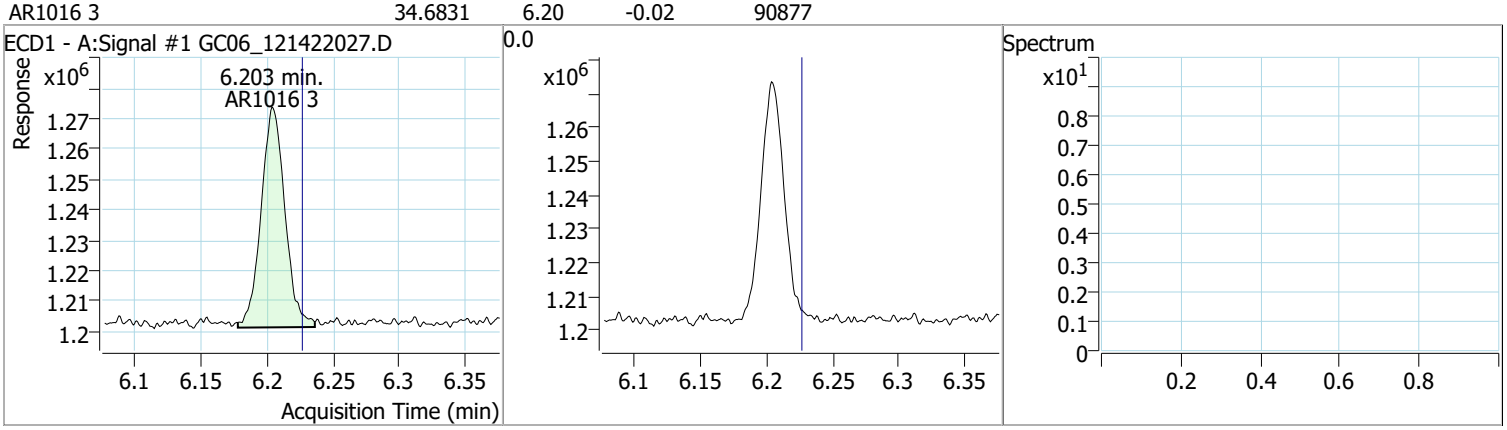
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.75	-0.01	8194				



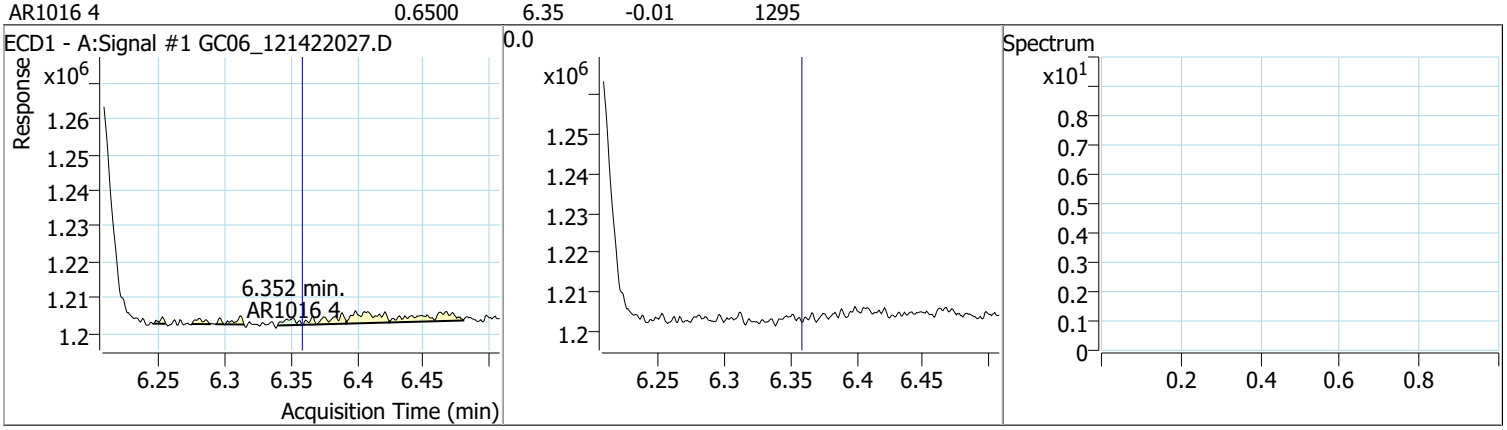
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	38.1160	6.00	0.05	187246				



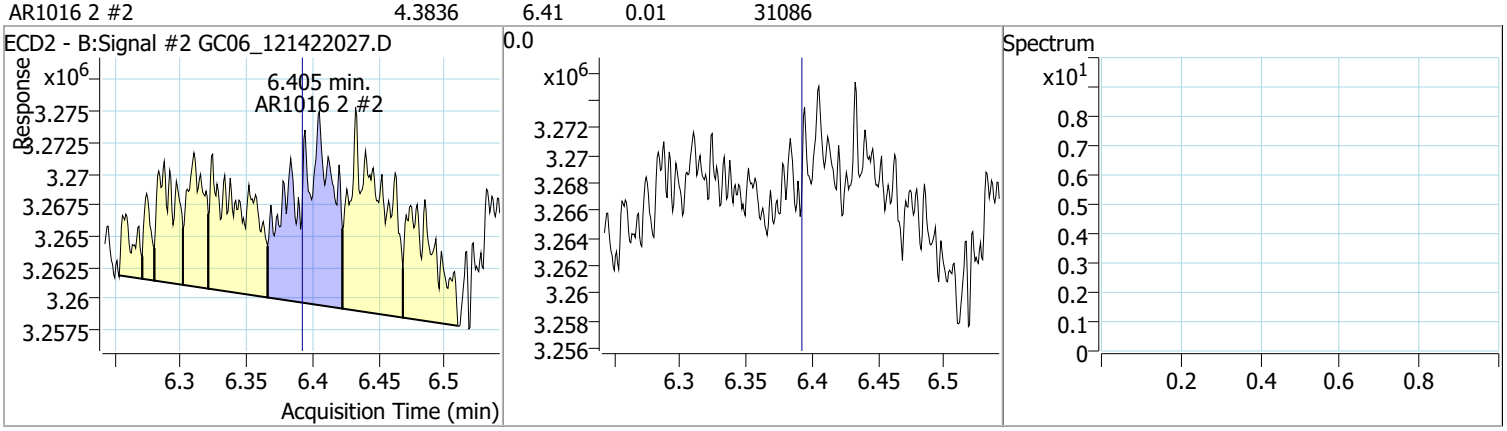
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	34.6831	6.20	-0.02	90877				



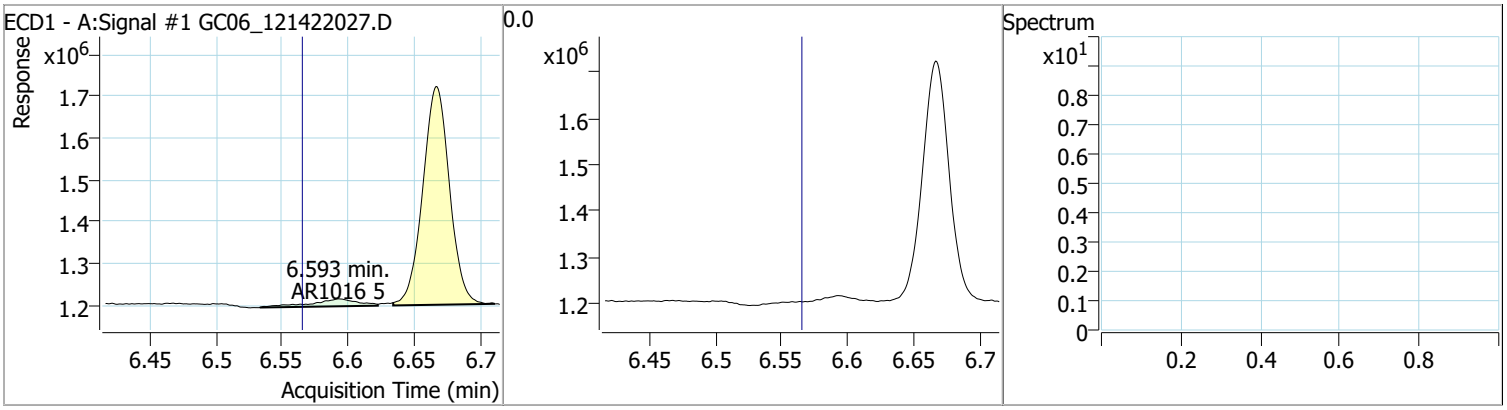
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.6500	6.35	-0.01	1295				



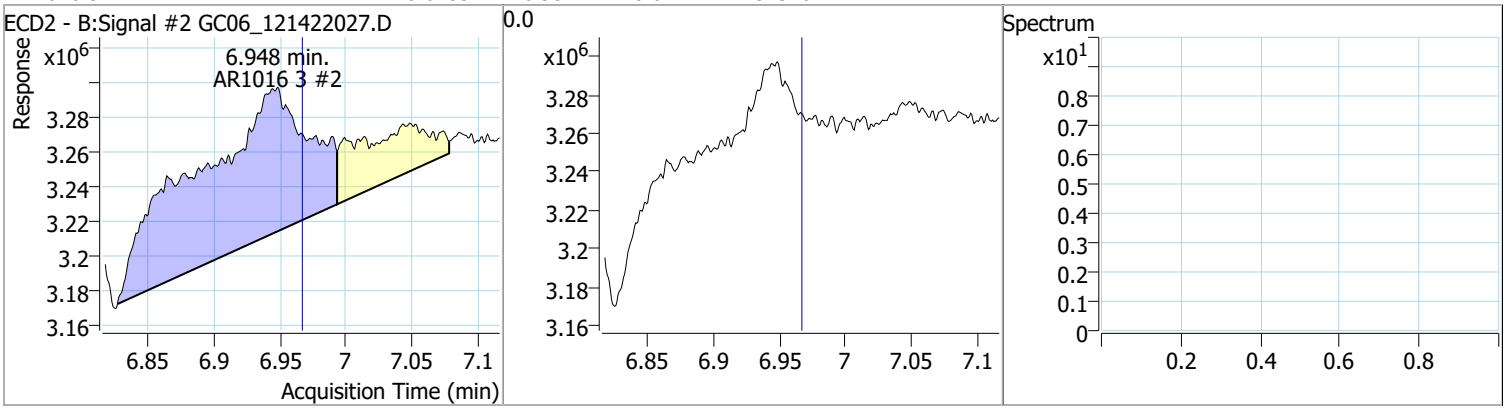
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	4.3836	6.41	0.01	31086				



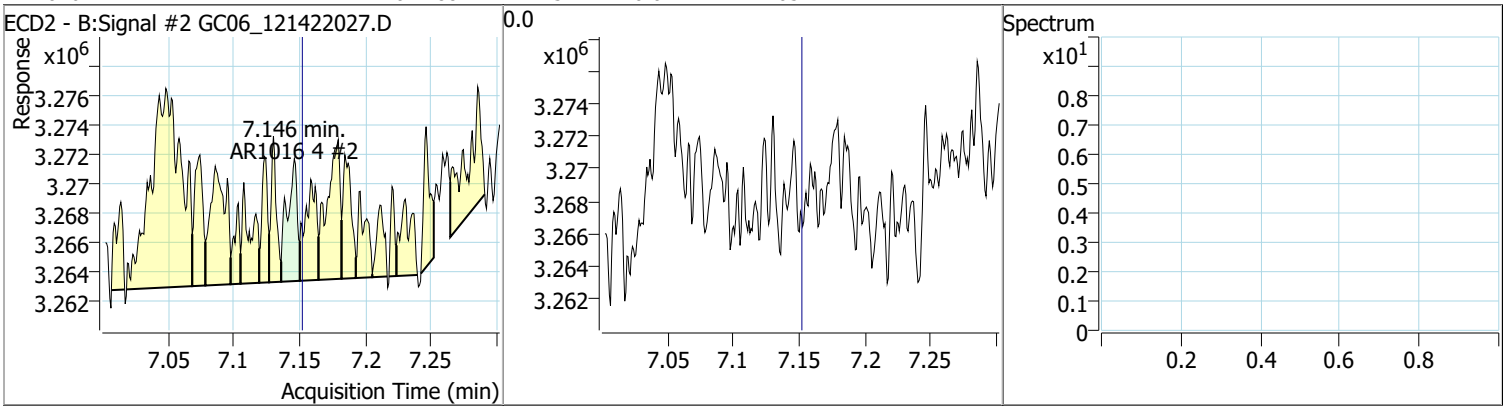
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	27.1344	6.59	0.03	43554				



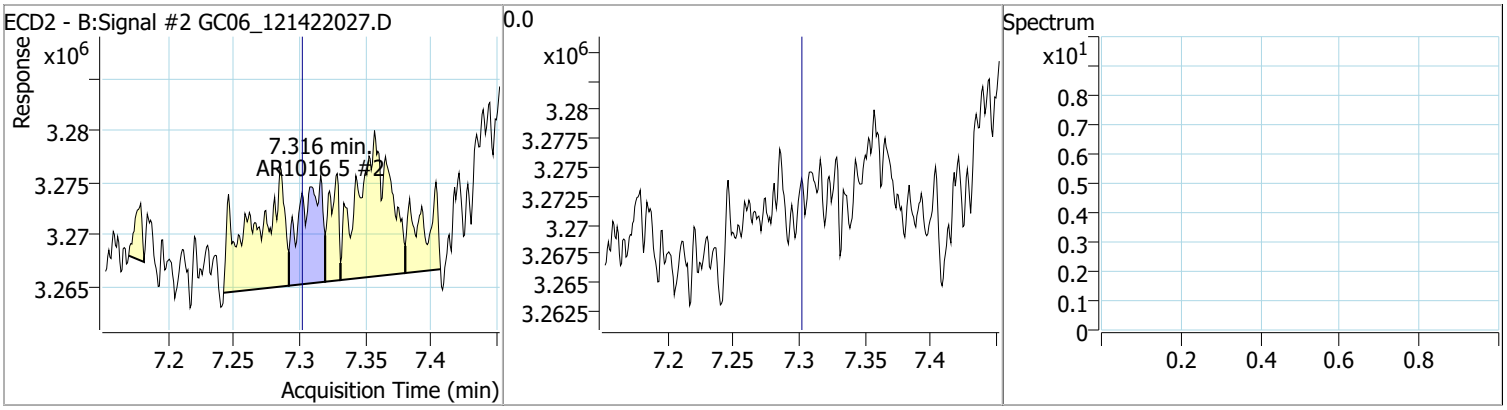
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	40.6485	6.95	-0.02	523764				



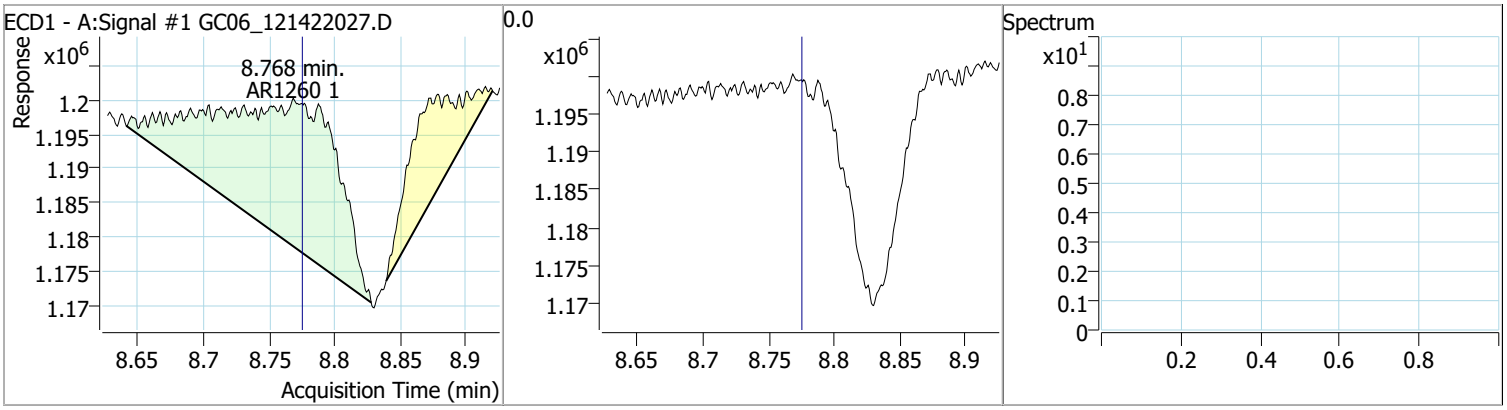
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.4788	7.15	-0.01	4405				



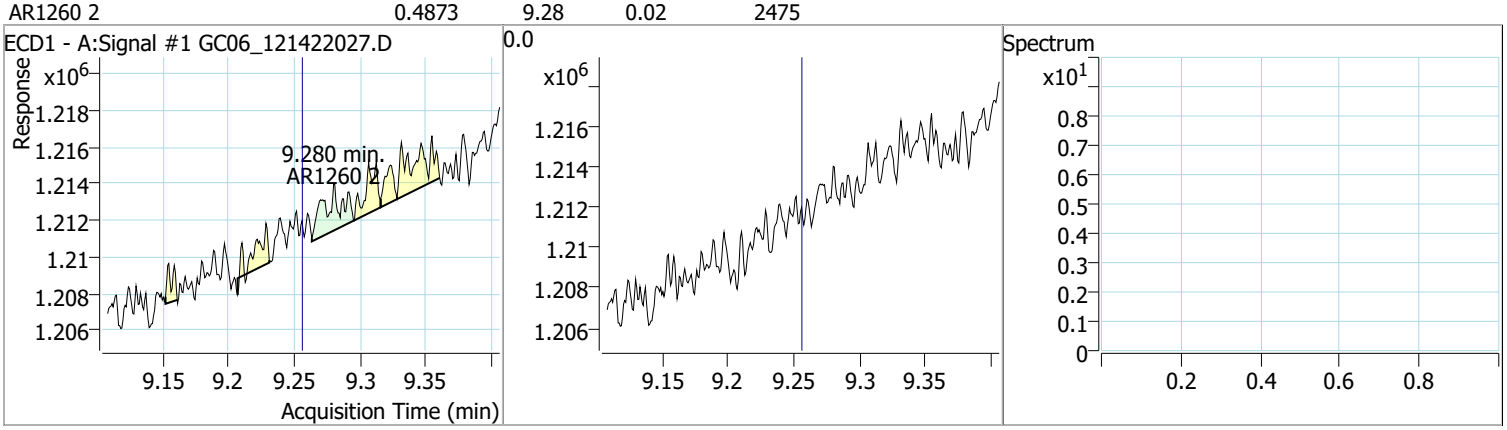
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.5803	7.32	0.01	11816				



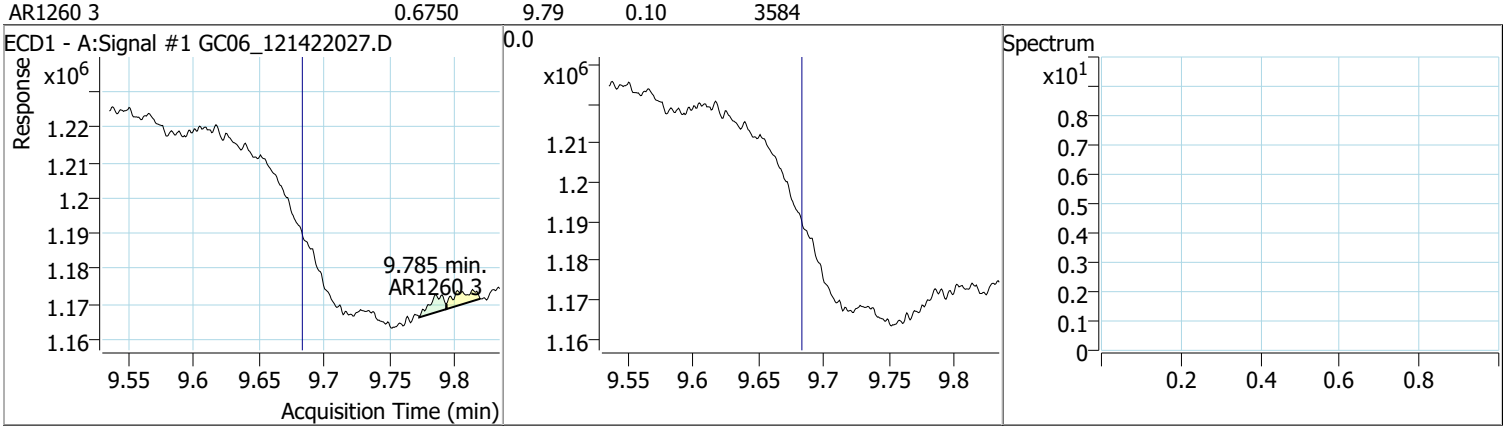
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	40.6054	8.77	-0.01	135325				



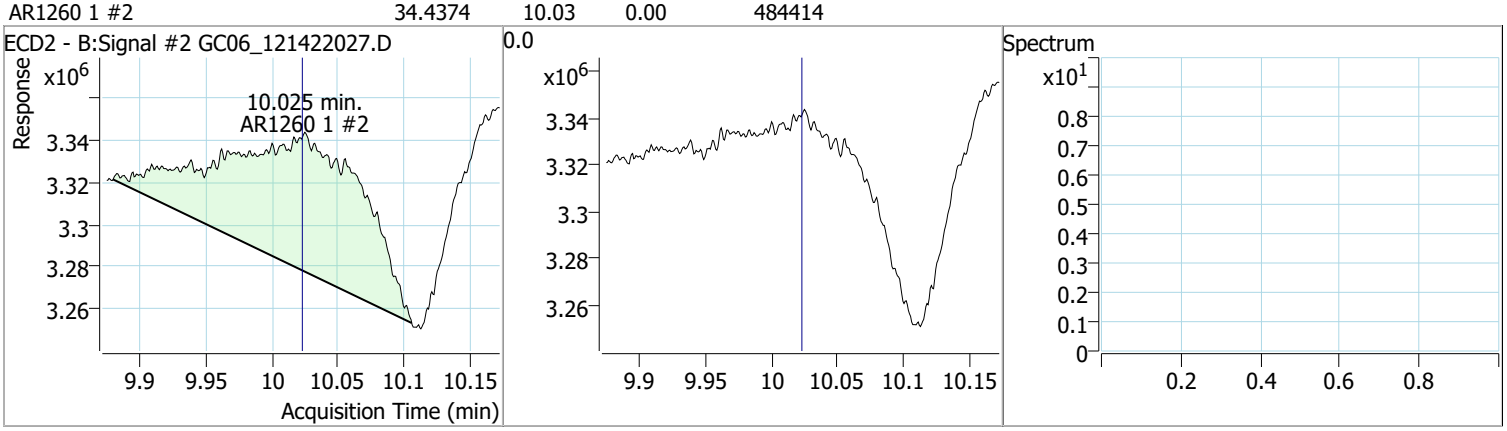
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.4873	9.28	0.02	2475				



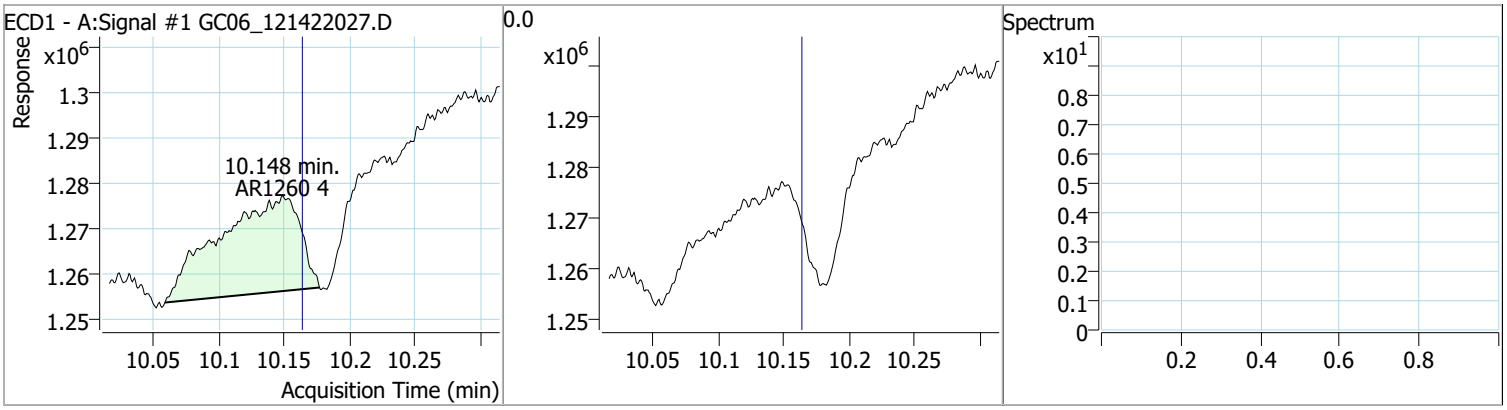
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.6750	9.79	0.10	3584				



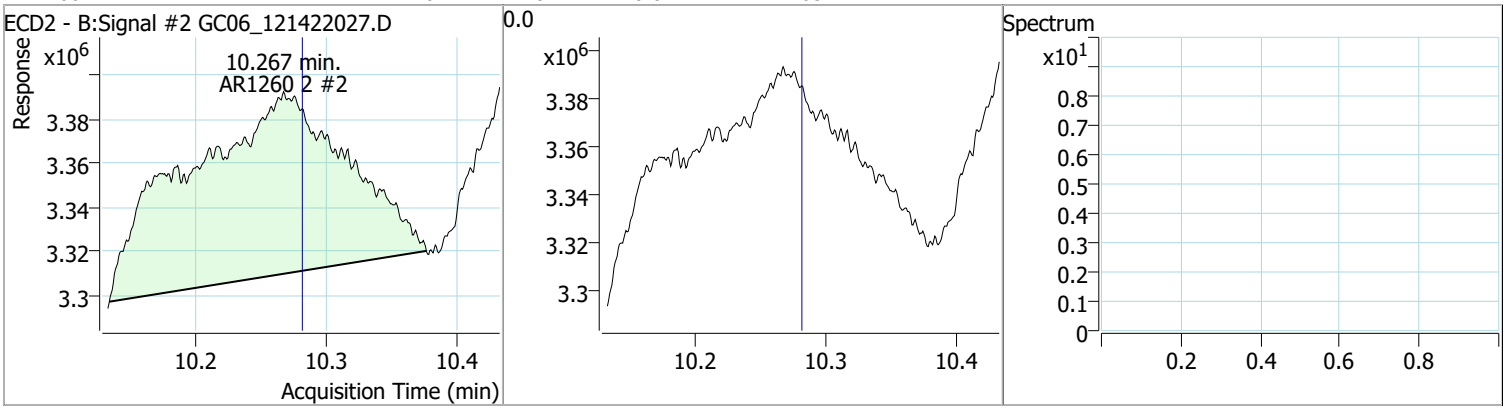
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	34.4374	10.03	0.00	484414				



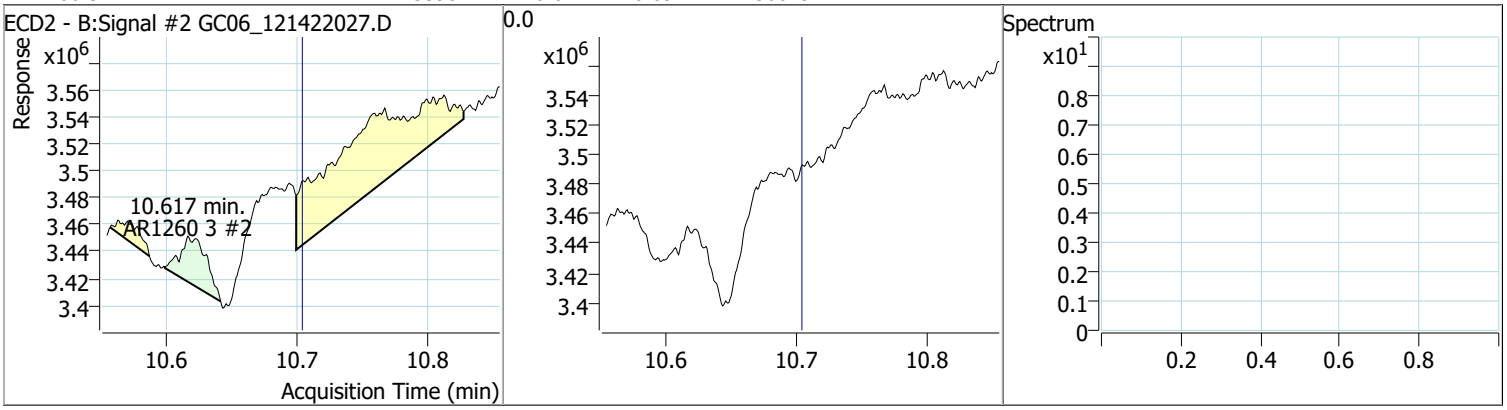
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	17.1188	10.15	-0.02	91304				



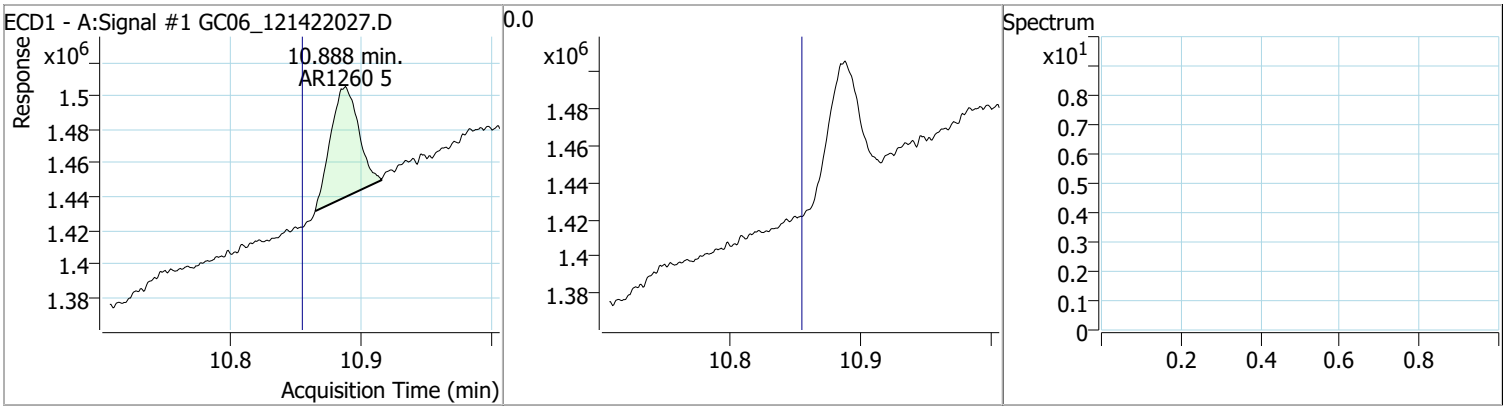
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	42.0742	10.27	-0.02	711105				



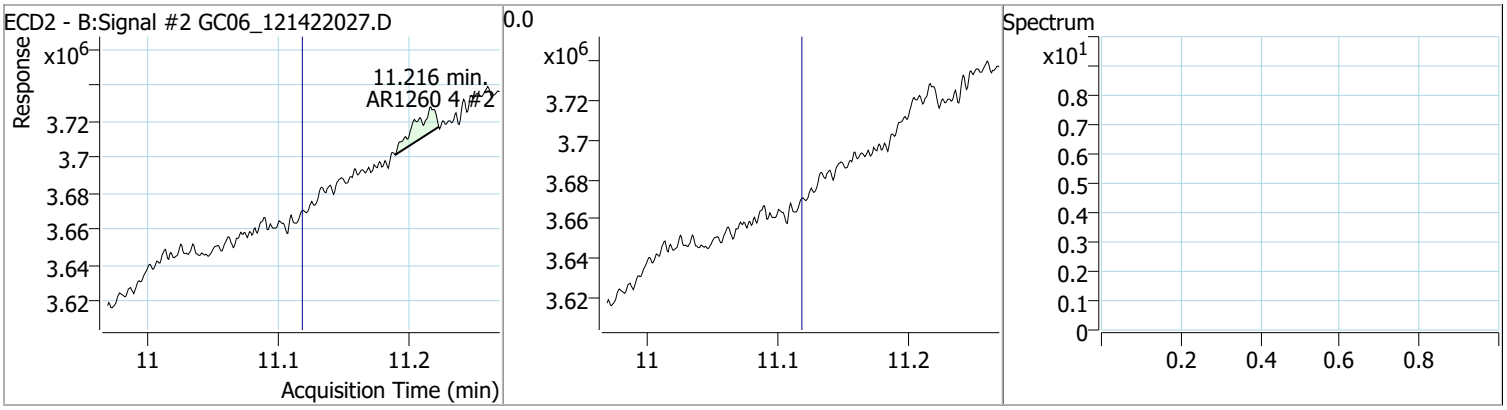
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	2.3395	10.62	-0.09	50049				



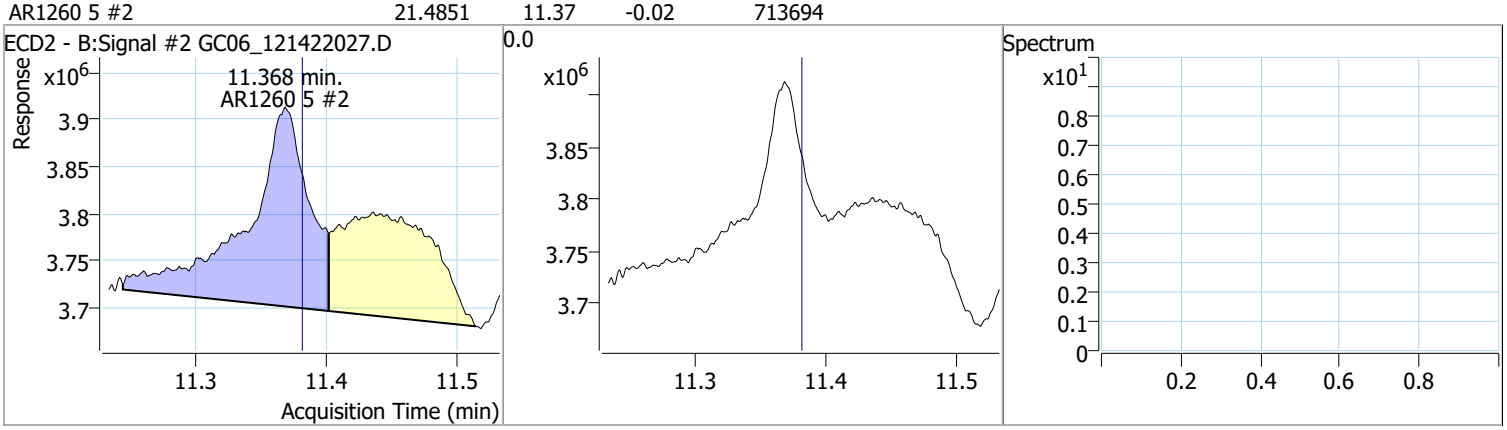
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	0.0000	10.89	0.03	99048				



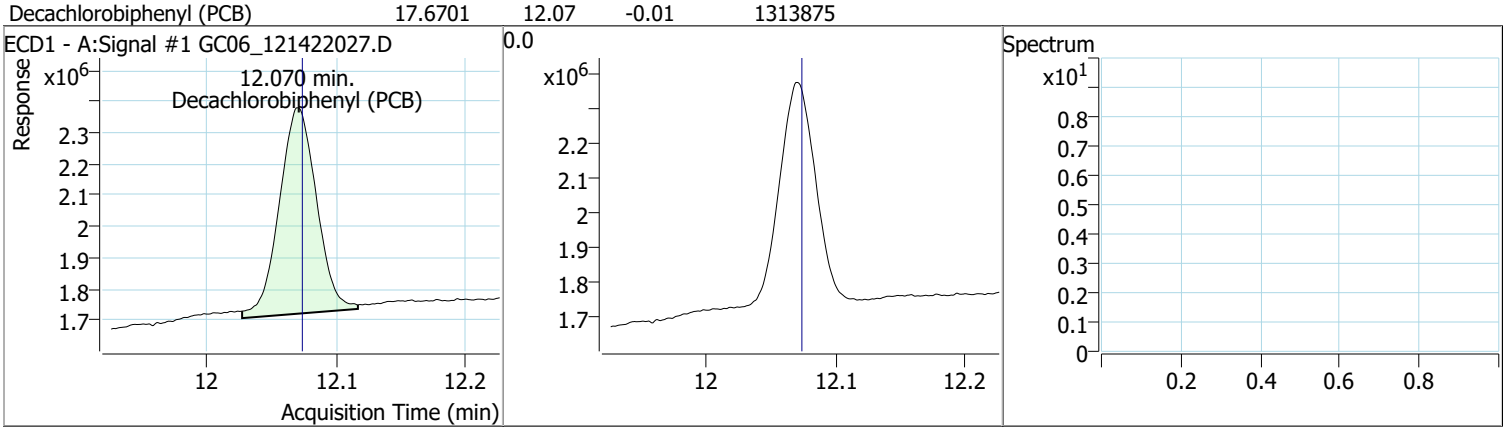
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.22	0.10	16156				



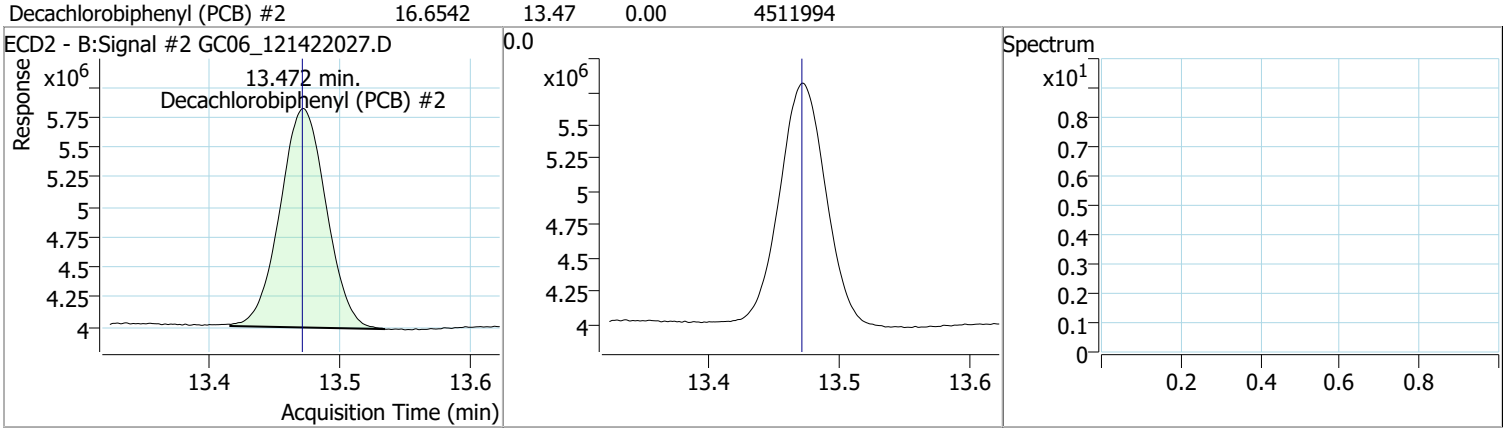
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	21.4851	11.37	-0.02	713694				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	17.6701	12.07	-0.01	1313875				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	16.6542	13.47	0.00	4511994				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474716-004	Client ID:	ARCH-C5W-INT-4.5 TO 5.5-221209-P-DUP-WF
Seqnum:	452501809028	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422028	Batch:	303181	Time:	14-DEC-2022 20:19
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	8.299	ND	3.3	181%	0.50		u
Aroclor-1016 Peak # 1	B	23.57	0.47	0.02	180%			
Aroclor-1016 Peak # 2	B	3.659	0.07	ND	-419%			
Aroclor-1016 Peak # 3	B	13.63	0.27	0.68	86%			
Aroclor-1016 Peak # 4	B	0.1987	0.00	0.01	114%			
Aroclor-1016 Peak # 5	B	0.4389	0.01	15.94	200%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	8.430	ND	0.17	0%	0.50		u
Aroclor-1260 Peak # 1	B	23.86	0.48	0.67	34%			
Aroclor-1260 Peak # 2	B	17.41	0.35	ND				
Aroclor-1260 Peak # 3	B	3.084	0.06	0.02	111%			
Aroclor-1260 Peak # 4	B	-23.37	ND	0.16	-400%			
Aroclor-1260 Peak # 5	B	21.17	0.42	ND	201%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	17.94	0.5000	0.3589	72	52-121	u
Decachlorobiphenyl (PCB)	B	15.80	0.5000	0.3160	63	50-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5307613	4843389	-8.75
1-bromo-2-nitrobenzene (PCB)	A	1103956	1026892	-6.98

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

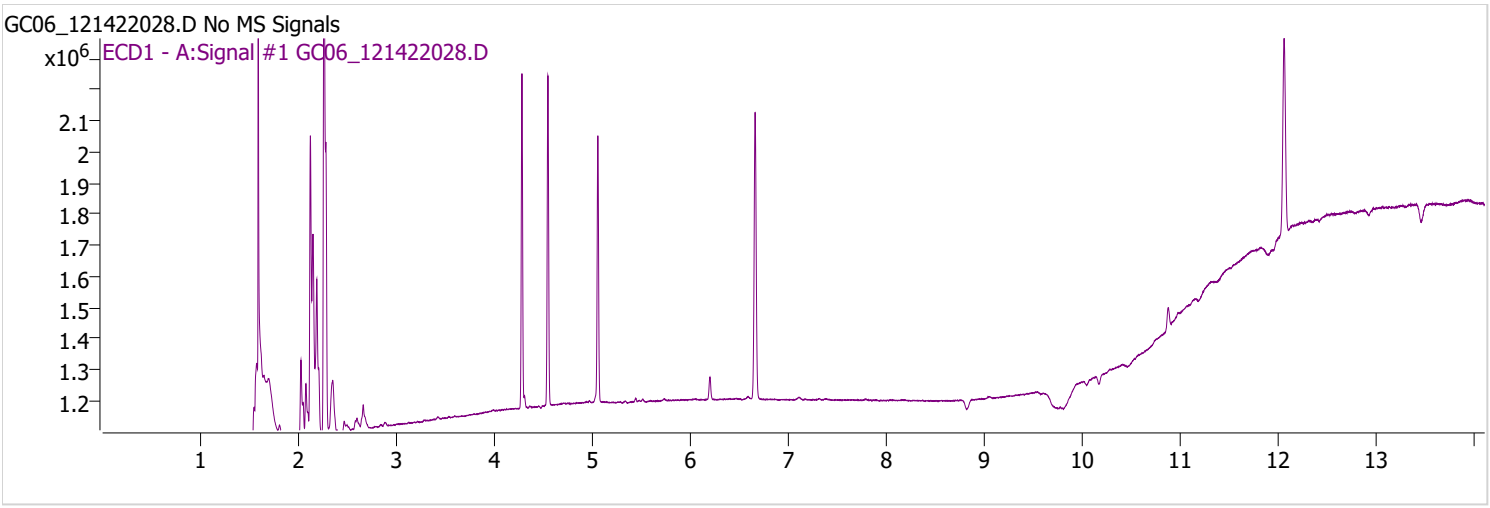
ISTD (CCV gc06_121422004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

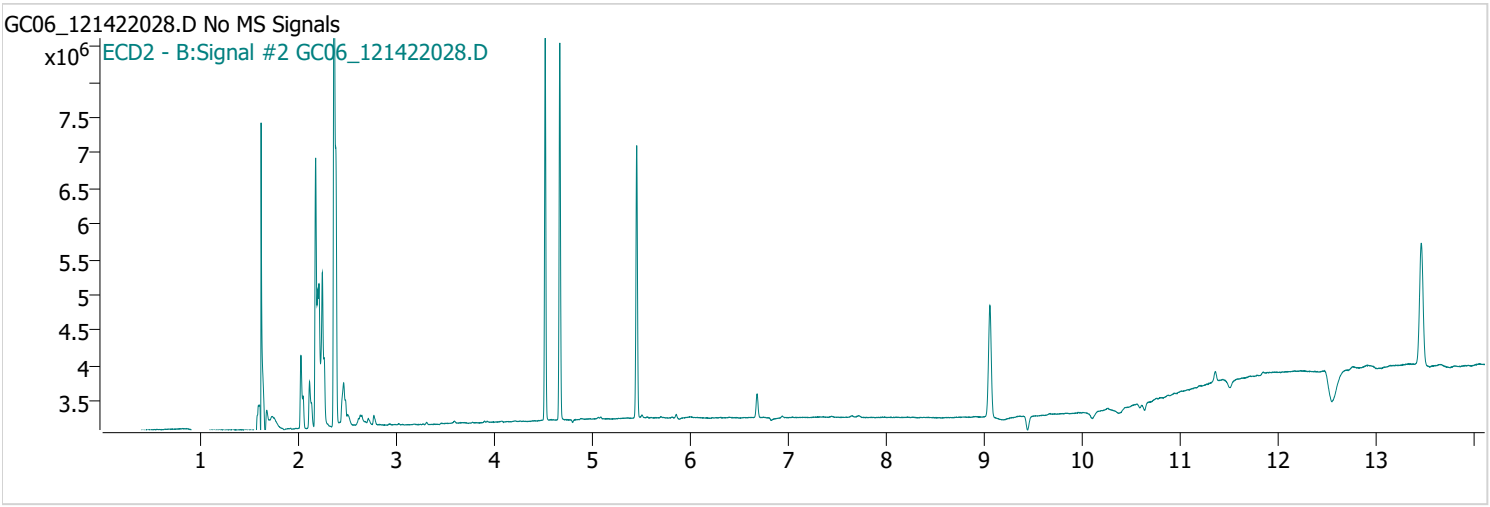
Analyst: MES 12/15/22

Reviewer: LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422028.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 8:19:35 PM
Sample Name	474716-004, 303181, 1	Instrument	SVOA-GC06
Vial	17	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



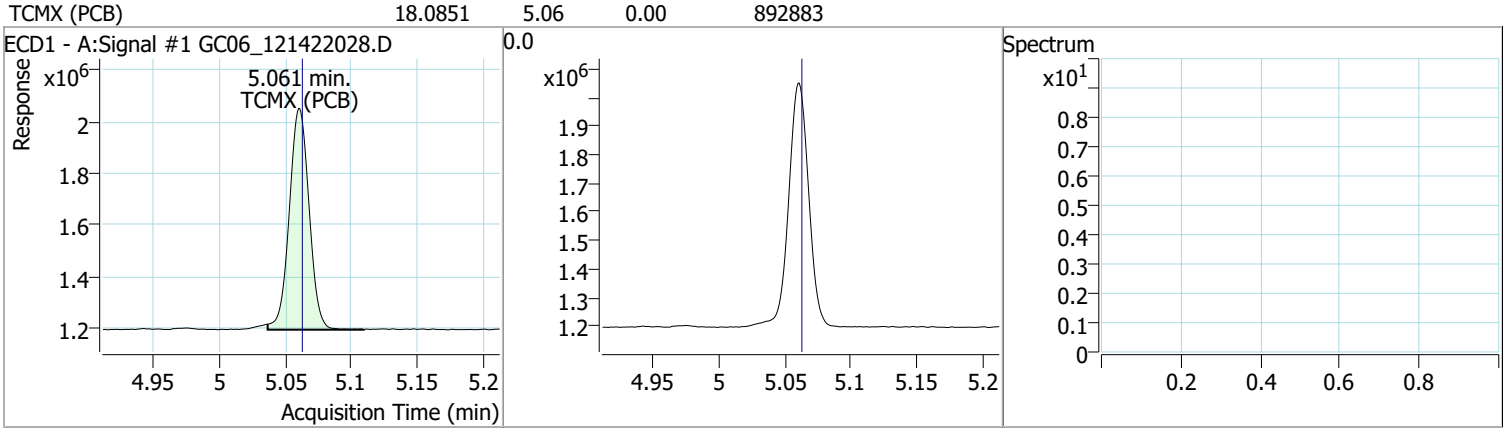


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.285	0.0	1026892.269	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.523	0.0	4843389.452	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.061	0.0	892882.654	18.0851	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 90.43%		
S TCMX (PCB) #2	5.458	0.0	4174039.591	17.9450	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 89.73%		
S Decachlorobiphenyl (PCB)	12.072	0.0	1281429.583	16.2668	ng/ml	-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 81.33%		
S Decachlorobiphenyl (PCB) #2	13.473	0.0	4413114.093	15.8005	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 79.00%		
Target Compounds						**QValue**
T AR1016 1	5.409	0.0	1318.720	1.2249	ng/ml	100

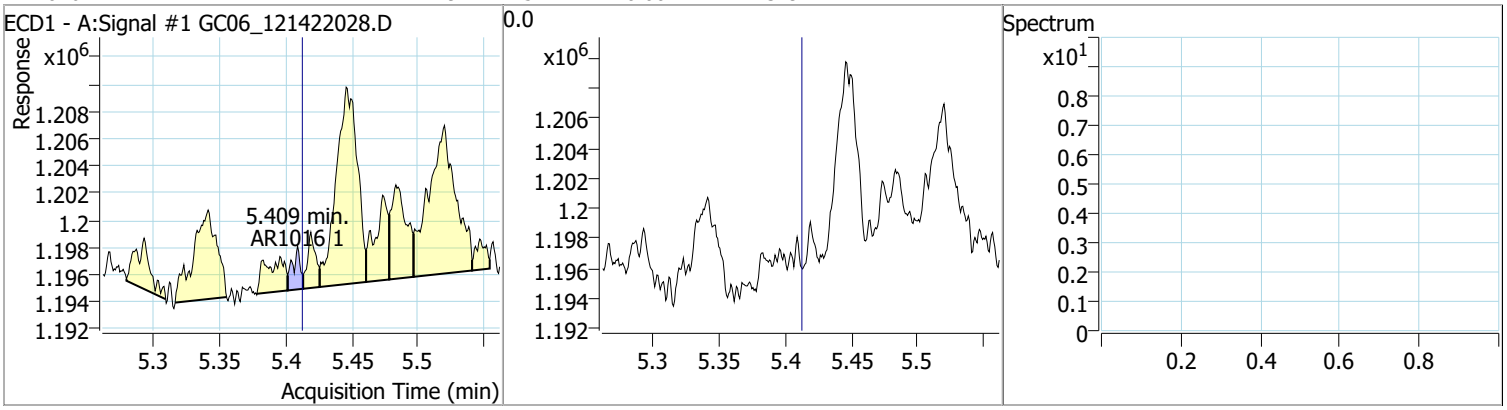
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.742	0.0	10783.983	0.0000	ng/ml	100
T AR1016 1 #2	5.998	0.0	118638.516	23.5682	ng/ml	100
T AR1016 3	6.206	0.0	93028.383	34.0804	ng/ml	100
T AR1016 4	6.353	0.0	1498.885	0.7220	ng/ml	100
T AR1016 2 #2	6.399	0.0	26587.637	3.6589	ng/ml	100
T AR1016 5	6.668	0.0	1333174.334	797.2595	ng/ml	100
T AR1016 3 #2	6.943	0.0	179965.884	13.6302	ng/ml	100
T AR1016 4 #2	7.157	0.0	1872.787	0.1987	ng/ml	100
T AR1016 5 #2	7.305	0.0	3362.883	0.4389	ng/ml	100
T AR1260 1	8.758	0.0	116625.464	33.5908	ng/ml	100
T AR1260 2	0.000		0	N.D.		
T AR1260 3	9.786	0.0	4852.648	0.8773	ng/ml	100
T AR1260 1 #2	10.018	0.0	343894.769	23.8586	ng/ml	100
T AR1260 4	10.151	0.0	67855.701	7.7866	ng/ml	100
T AR1260 2 #2	10.276	0.0	301493.651	17.4087	ng/ml	100
T AR1260 3 #2	10.619	0.0	67605.717	3.0840	ng/ml	100
T AR1260 5	10.888	0.0	111007.993	0.0000	ng/ml	100
T AR1260 4 #2	11.141	0.0	3349.027	0.0000	ng/ml	100
T AR1260 5 #2	11.369	0.0	725789.026	21.1815	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

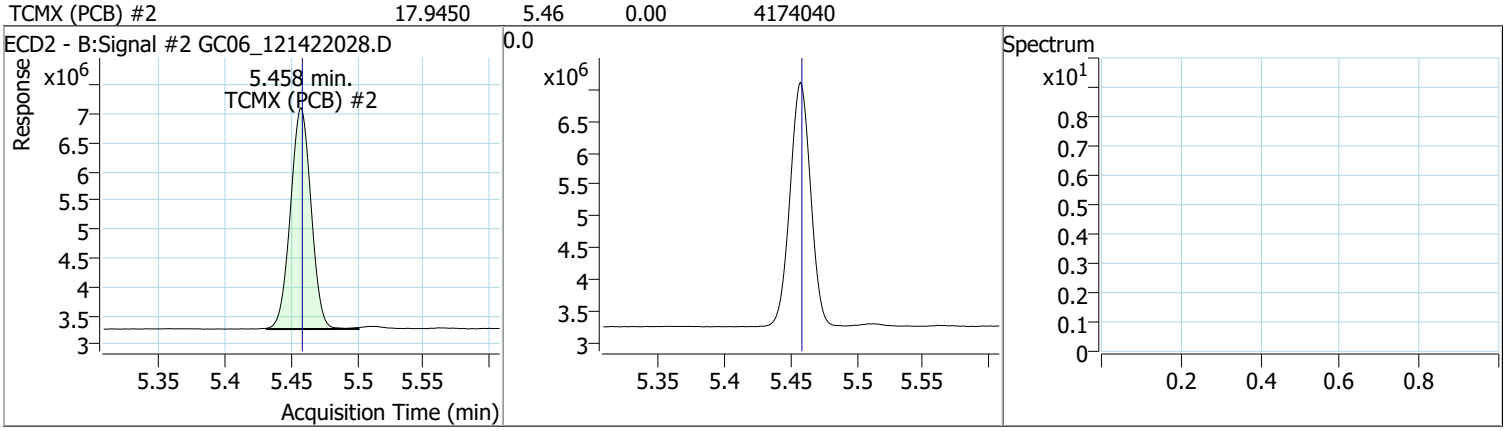
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.0851	5.06	0.00	892883				



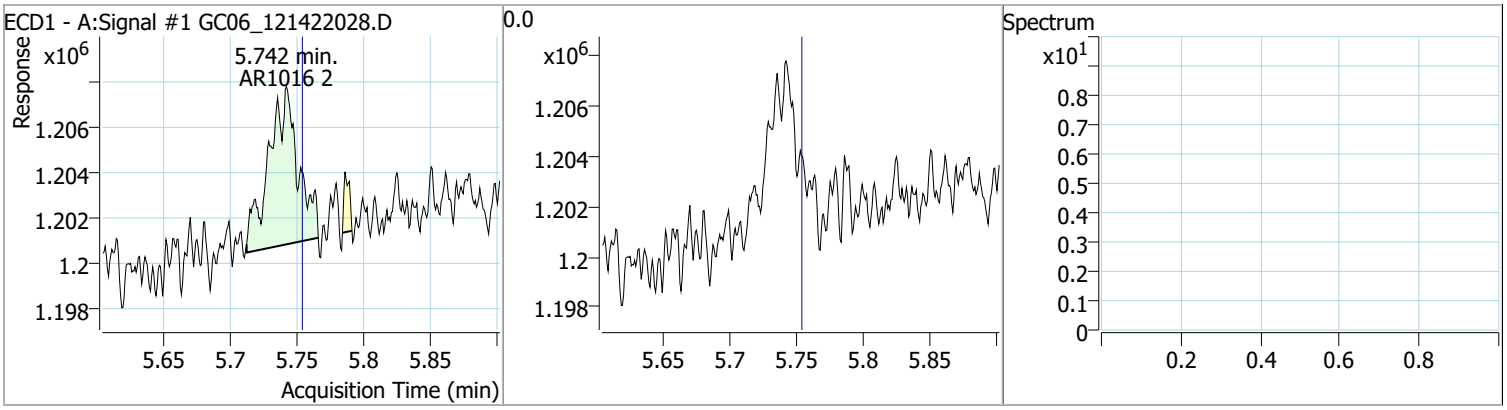
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1.2249	5.41	0.00	1319				



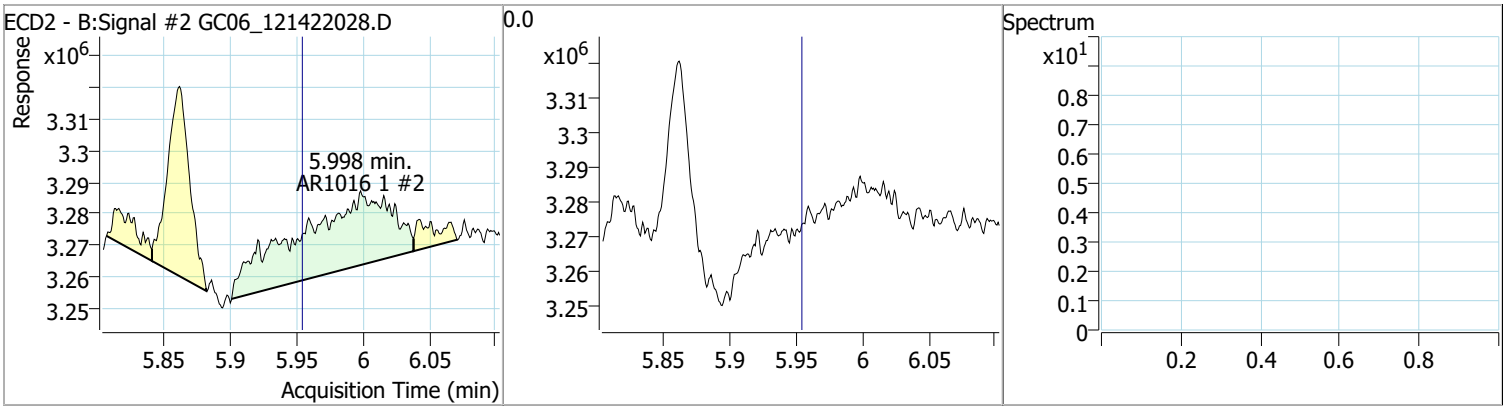
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	17.9450	5.46	0.00	4174040				



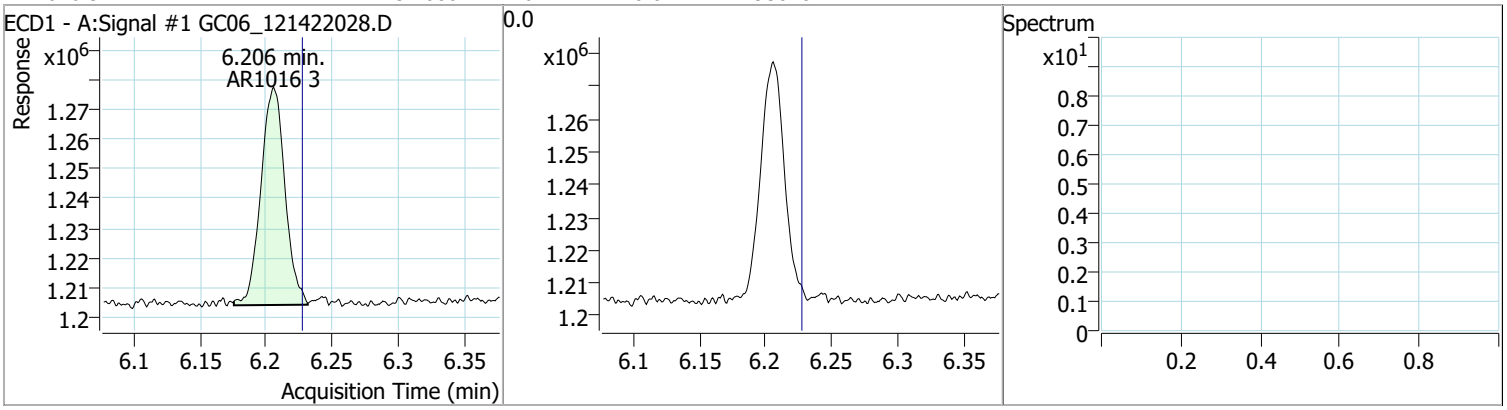
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.74	-0.01	10784				



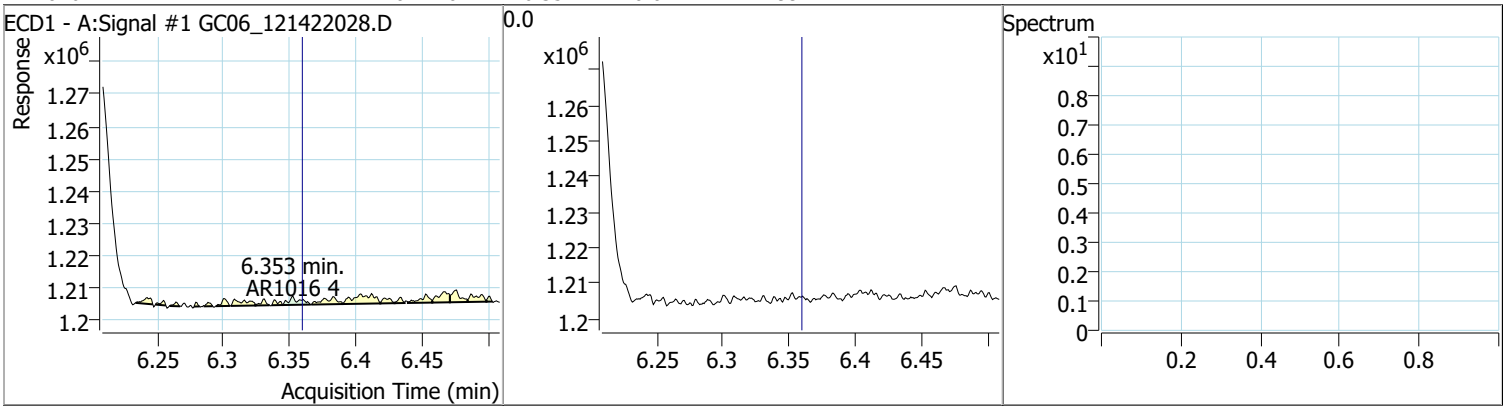
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	23.5682	6.00	0.04	118639				



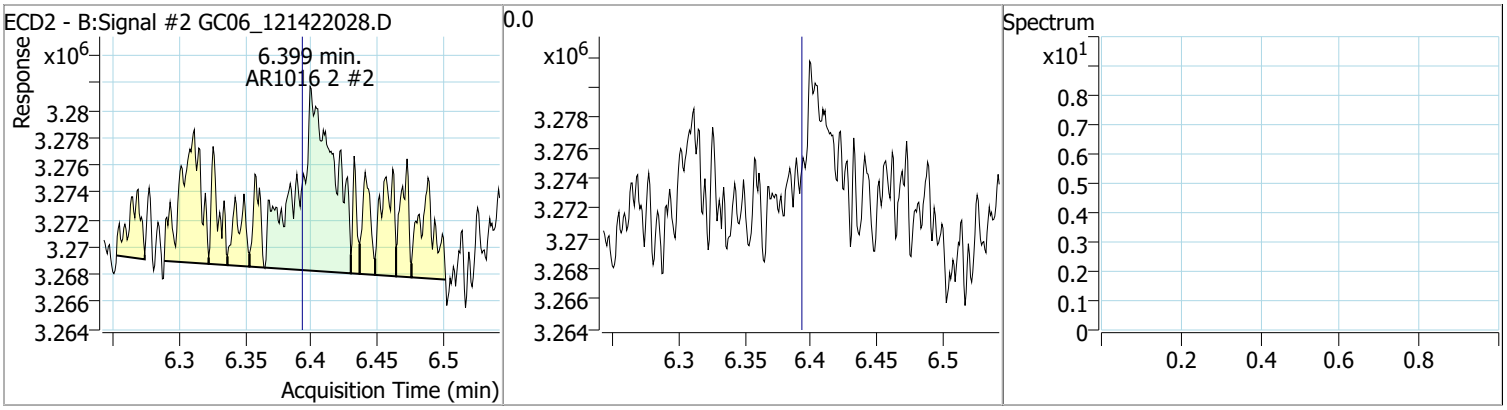
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	34.0804	6.21	-0.02	93028				



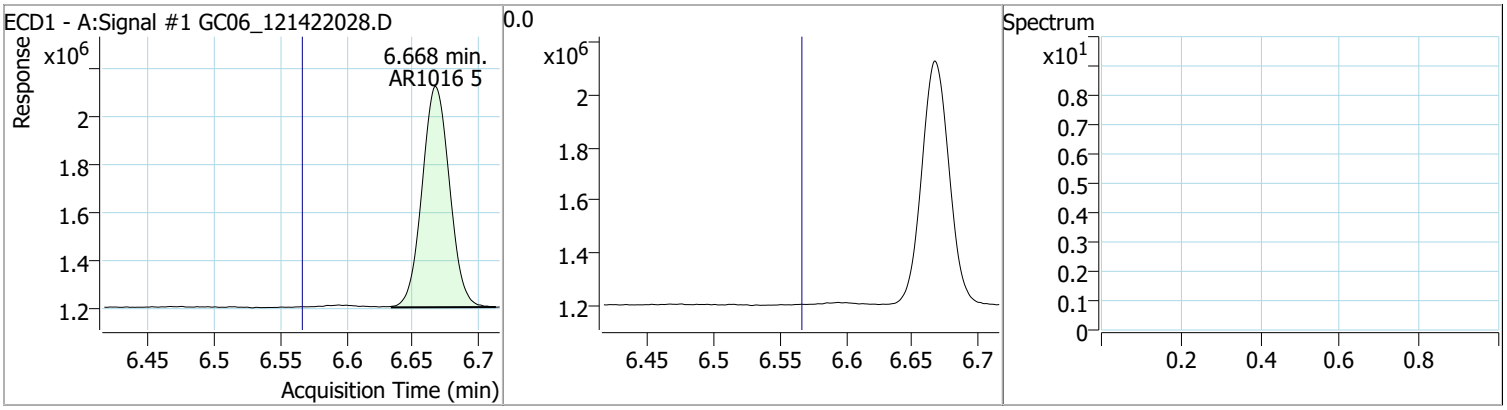
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.7220	6.35	-0.01	1499				



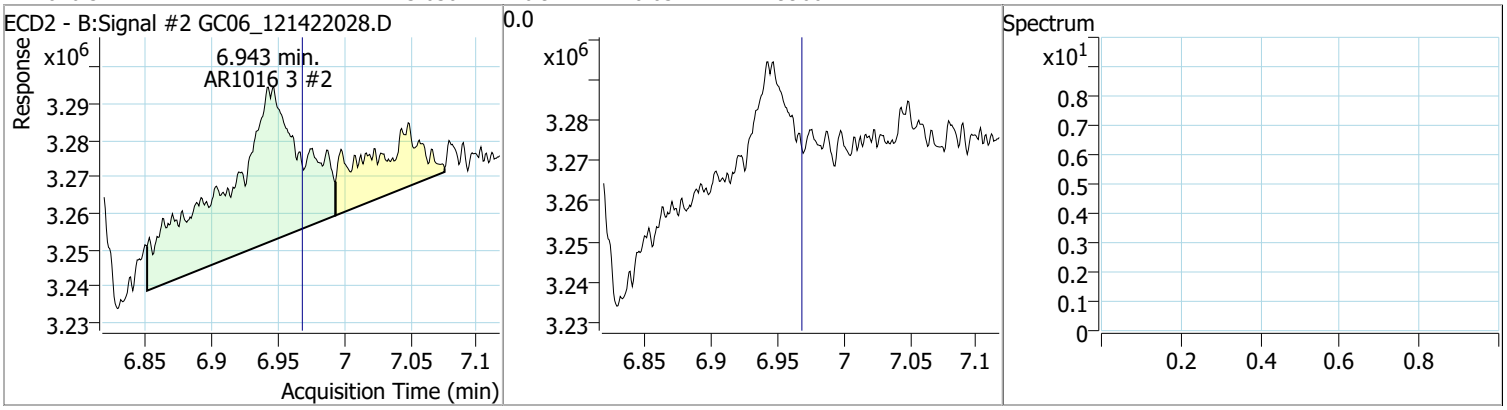
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	3.6589	6.40	0.01	26588				



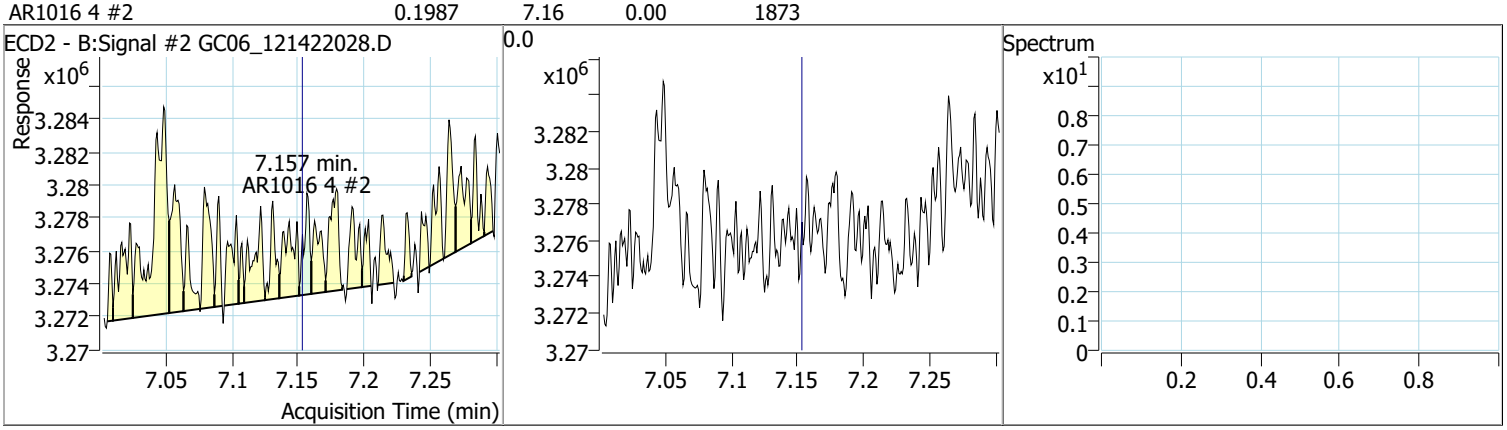
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	797.2595	6.67	0.10	1333174				



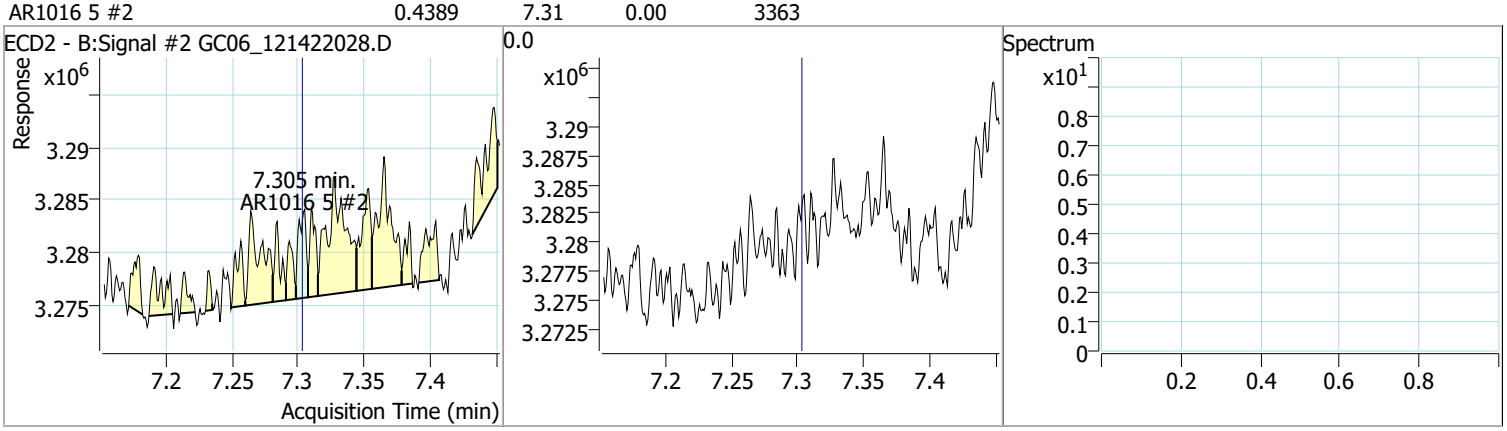
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	13.6302	6.94	-0.03	179966				



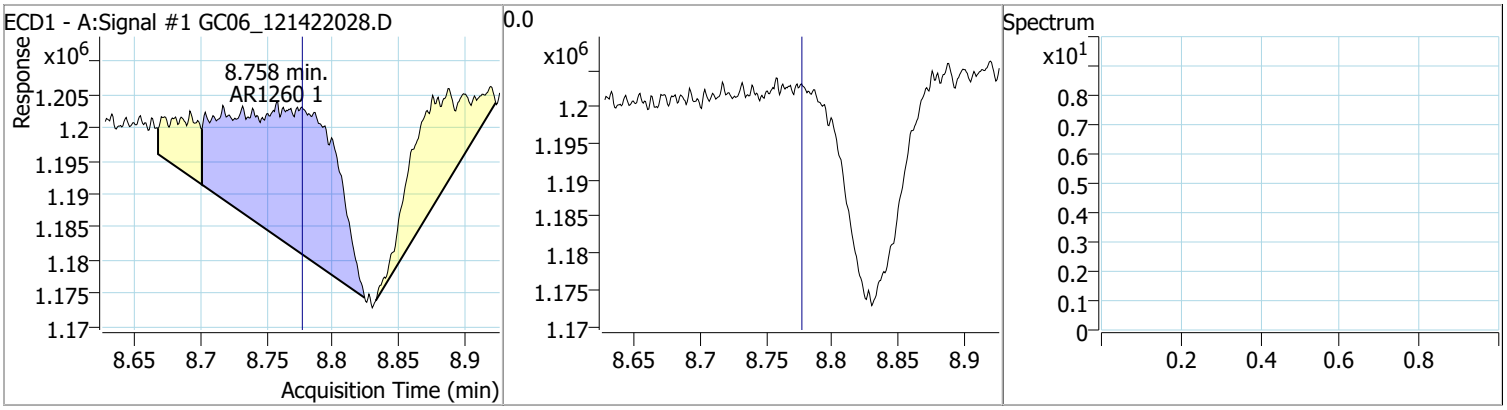
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.1987	7.16	0.00	1873				



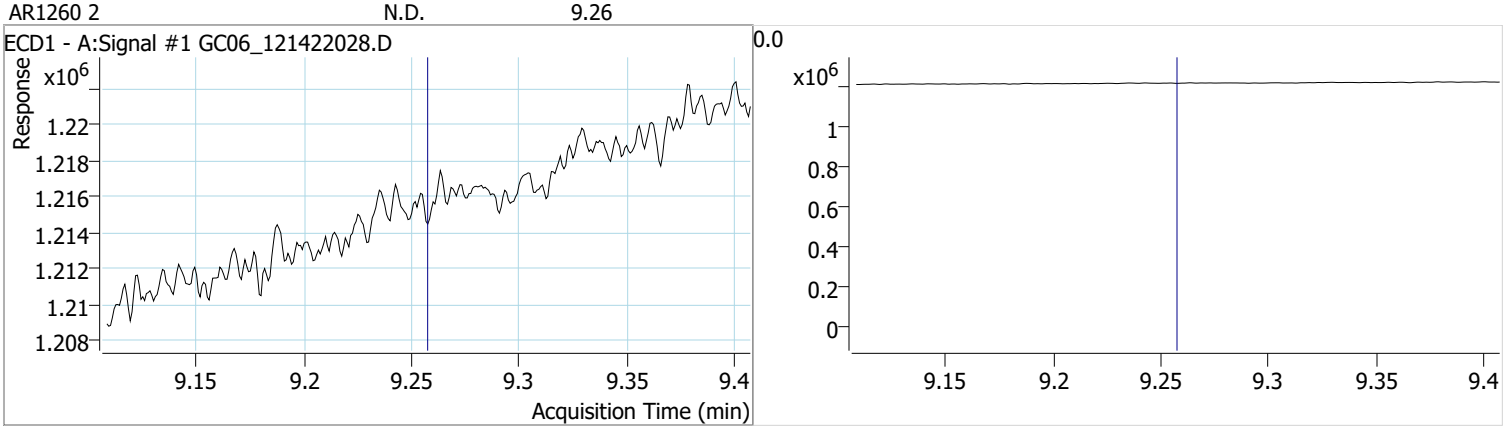
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.4389	7.31	0.00	3363				



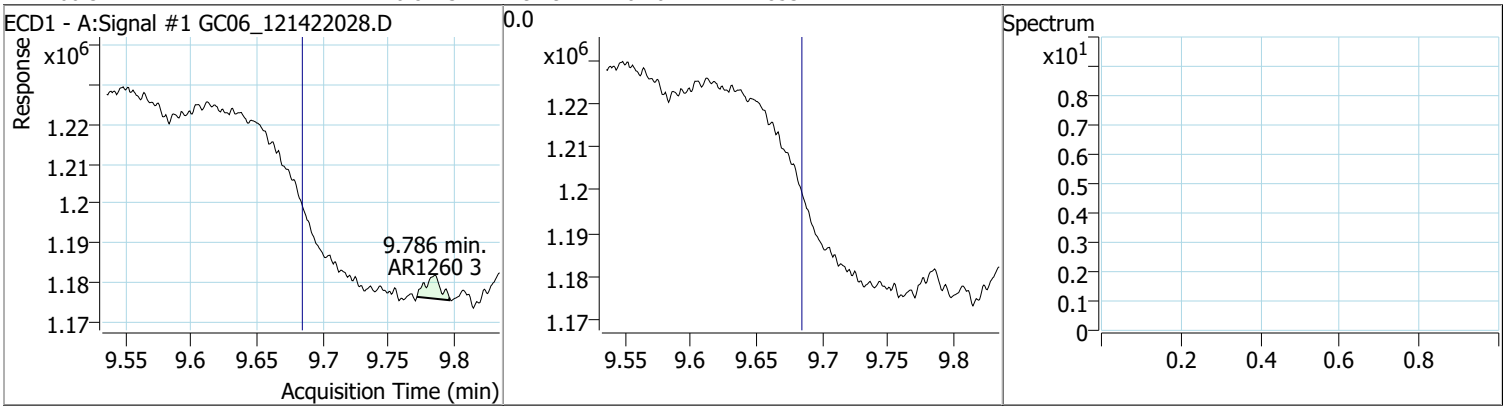
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	33.5908	8.76	-0.02	116625				



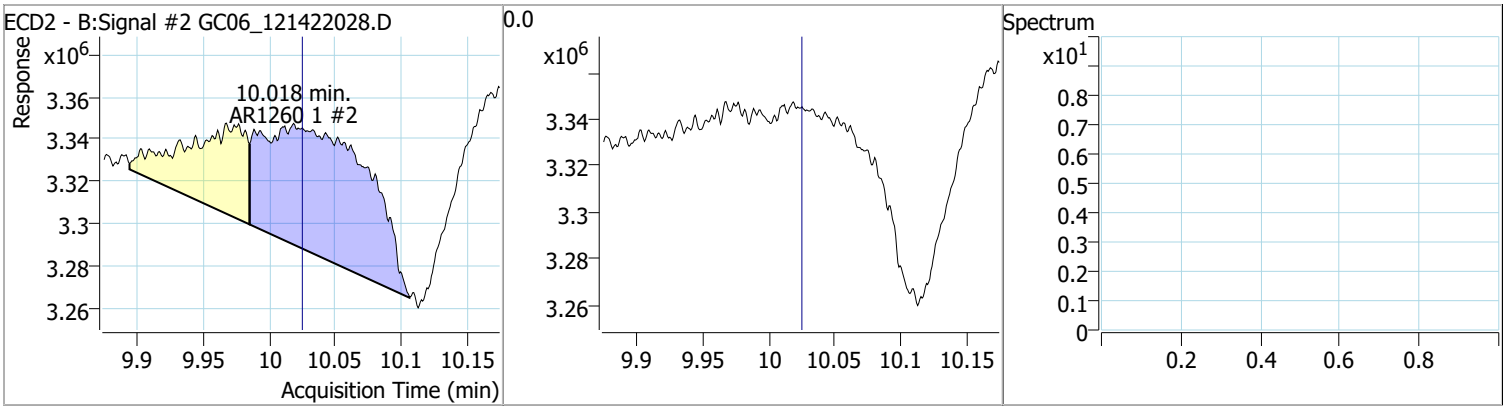
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 2	N.D.	9.26		



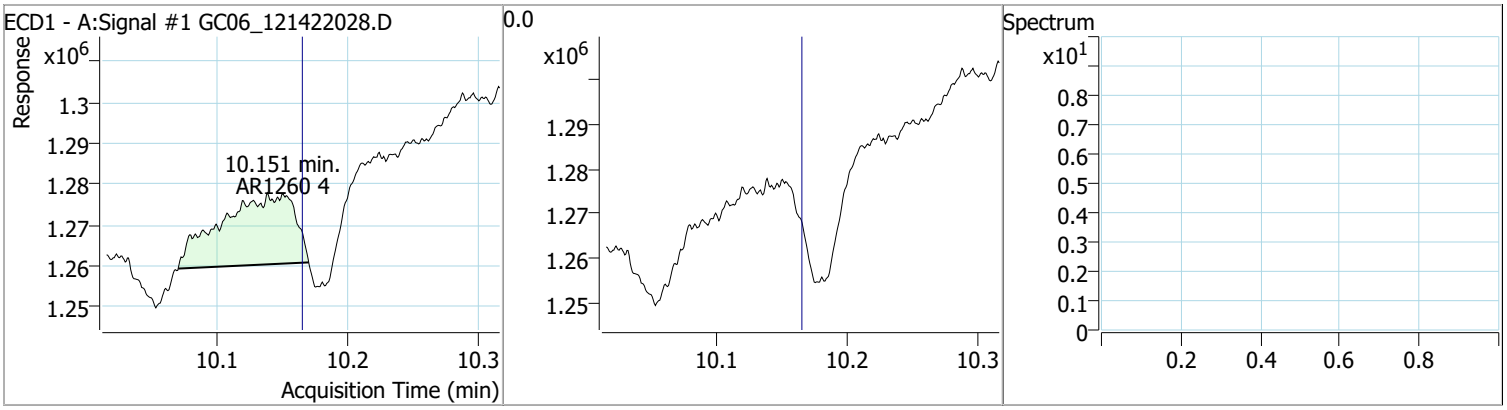
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.8773	9.79	0.10	4853				



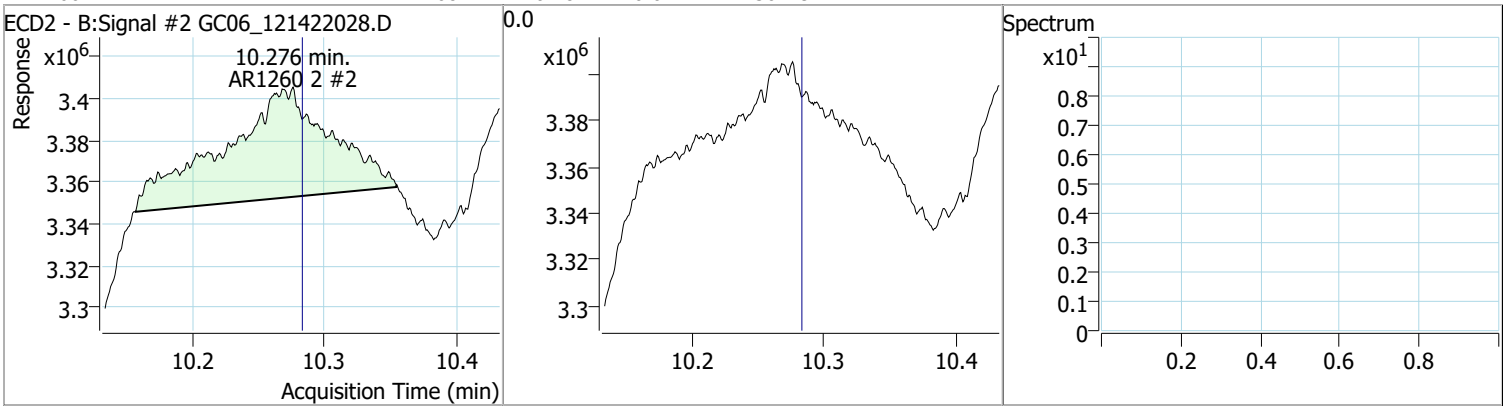
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	23.8586	10.02	-0.01	343895				



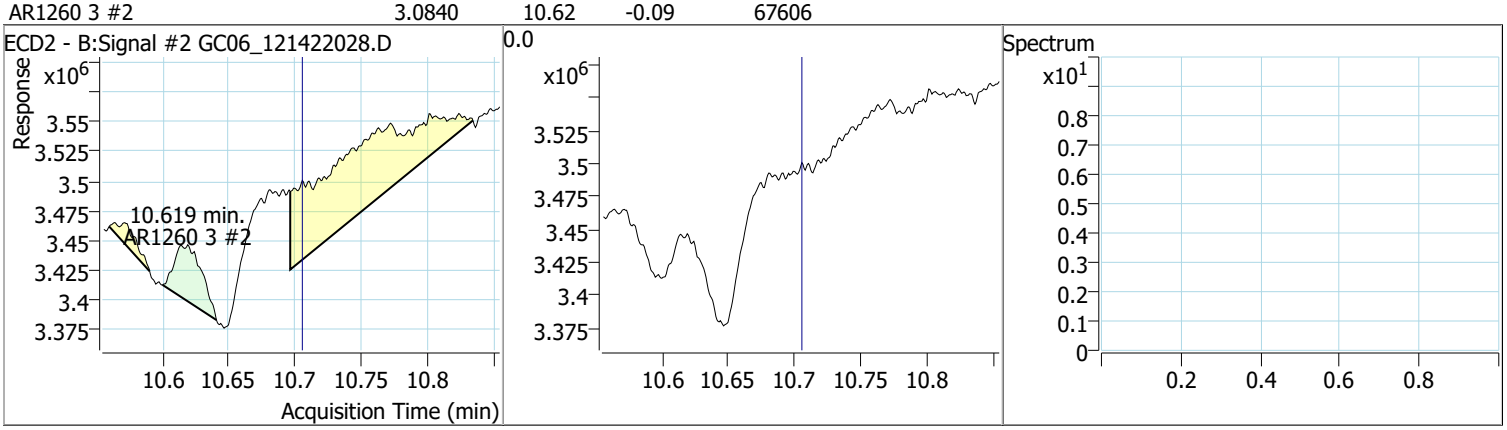
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	7.7866	10.15	-0.02	67856				



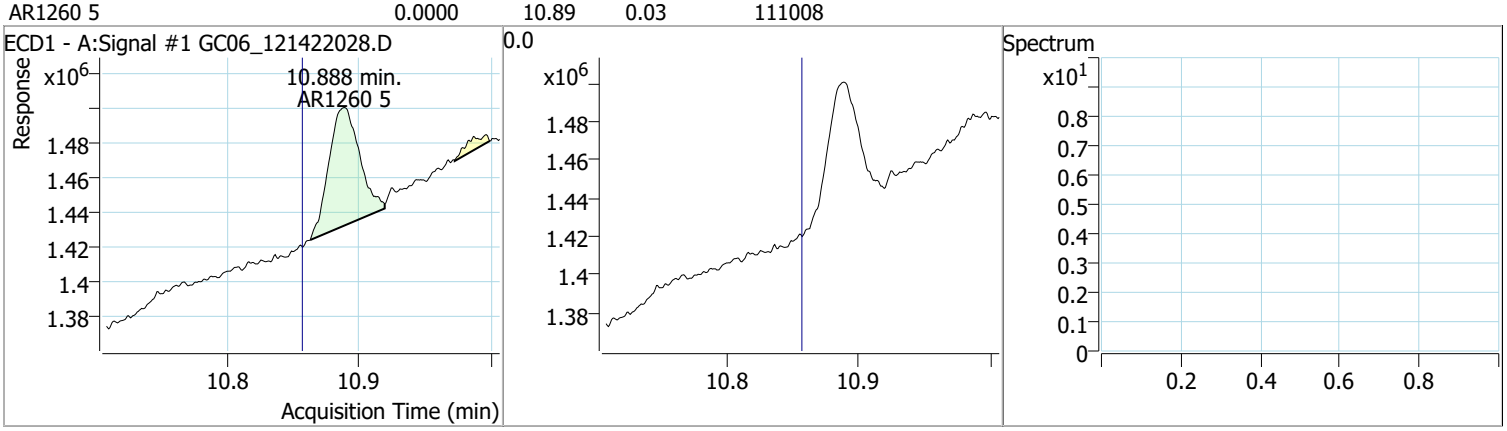
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	17.4087	10.28	-0.01	301494				



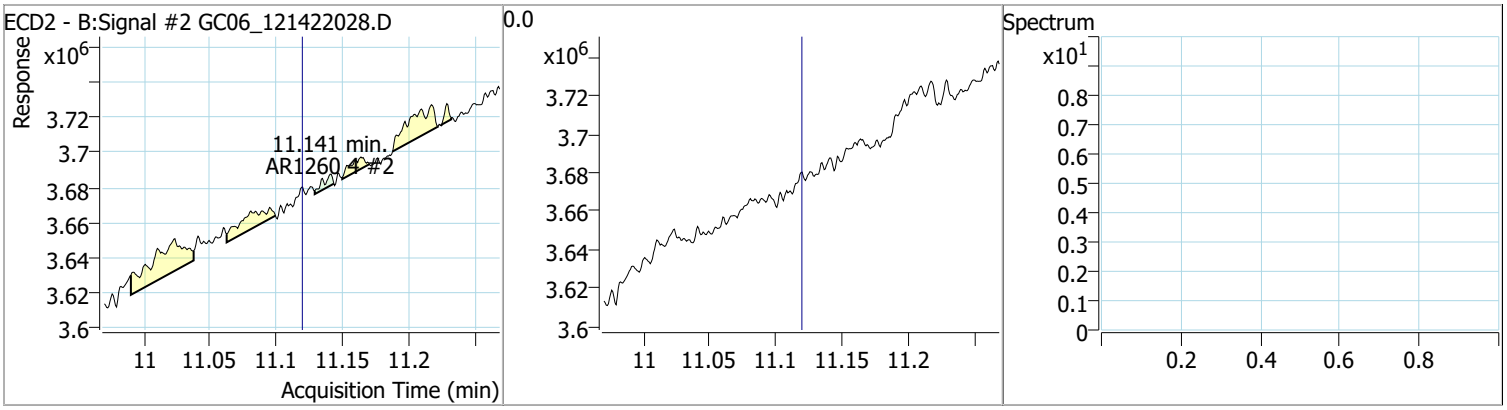
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	3.0840	10.62	-0.09	67606				



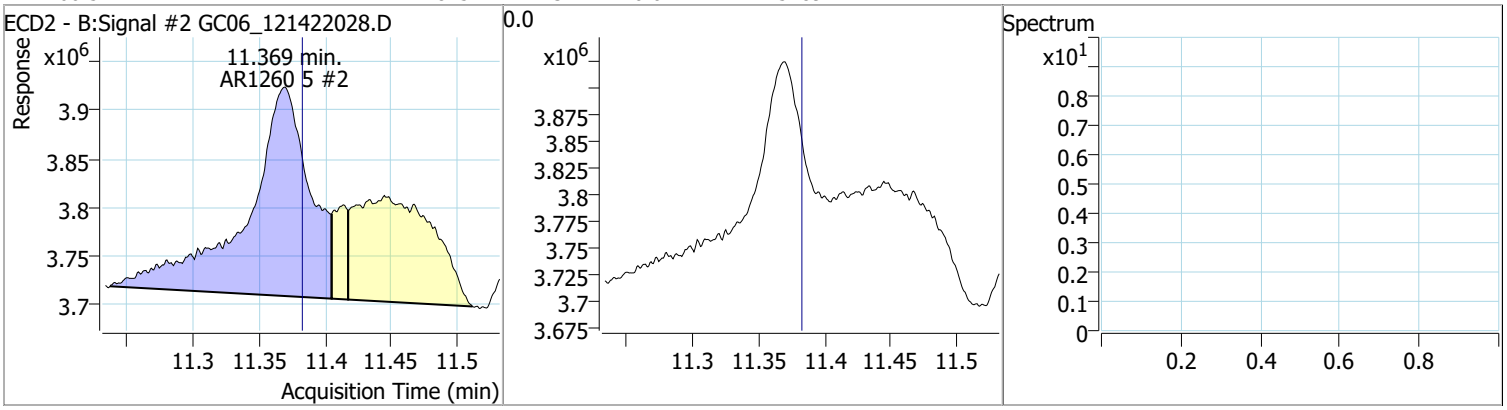
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	0.0000	10.89	0.03	111008				



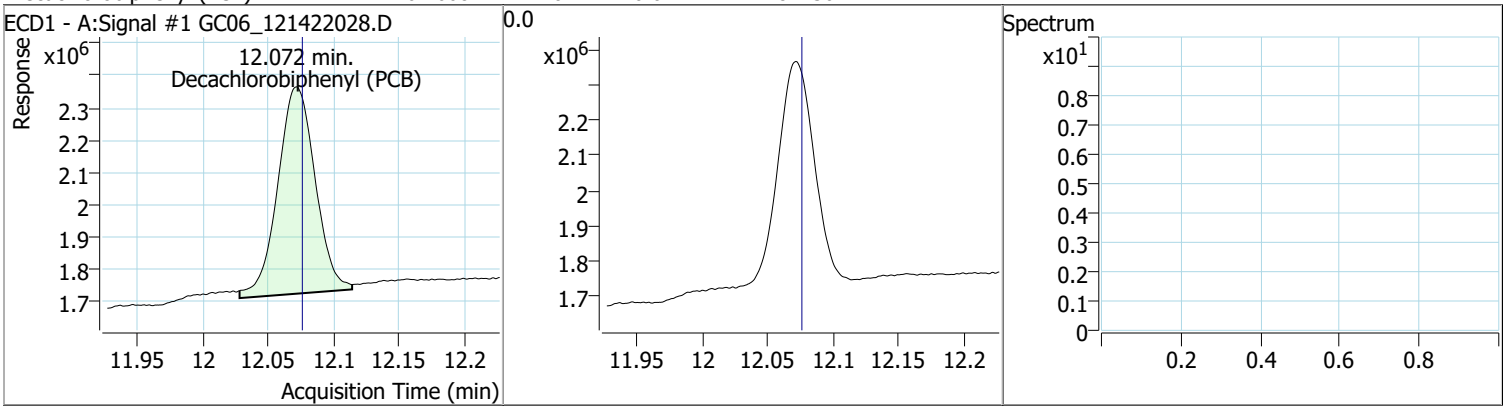
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.14	0.02	3349				



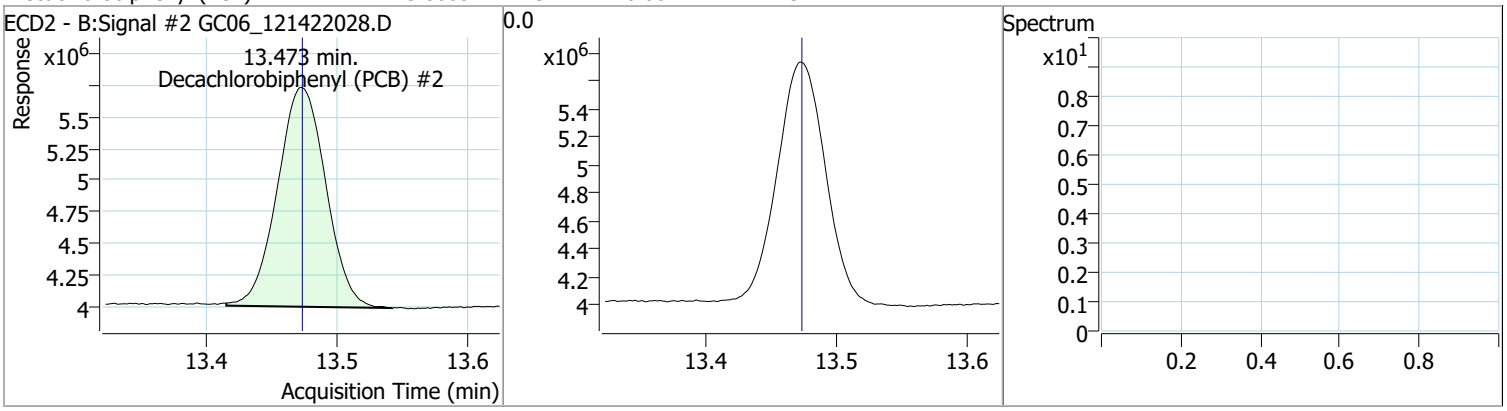
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	21.1815	11.37	-0.01	725789				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	16.2668	12.07	-0.01	1281430				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	15.8005	13.47	0.00	4413114				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474716-005	Client ID:	20221209-3CD-01
Seqnum:	452501809059	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422059	Batch:	303182	Time:	15-DEC-2022 05:48
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	96.94	~~0.97~~ FP	1.7	57%	0.50		x u
Aroclor-1016 Peak # 1	B	102.5	1.03	0.13	155%			
Aroclor-1016 Peak # 2	B	161.9	1.62	ND	209%			
Aroclor-1016 Peak # 3	B	171.6	1.72	1.24	32%			
Aroclor-1016 Peak # 4	B	22.75	0.23	1.77	154%			
Aroclor-1016 Peak # 5	B	25.89	0.26	5.58	182%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	57.28	~~0.57~~ FP	0.56	2%	0.50		x u
Aroclor-1260 Peak # 1	B	99.70	1.00	1.26	23%			
Aroclor-1260 Peak # 2	B	91.70	0.92	0.00	199%			
Aroclor-1260 Peak # 3	B	10.78	0.11	0.18	50%			
Aroclor-1260 Peak # 4	B	-18.95	ND	1.17	278%			
Aroclor-1260 Peak # 5	B	103.2	1.03	0.21	133%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	41.86	0.5000	0.4186	84	19-121	u
Decachlorobiphenyl (PCB)	B	37.79	0.5000	0.3779	76	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422036)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5560467	5628942	1.23
1-bromo-2-nitrobenzene (PCB)	A	1170615	1252209	6.97

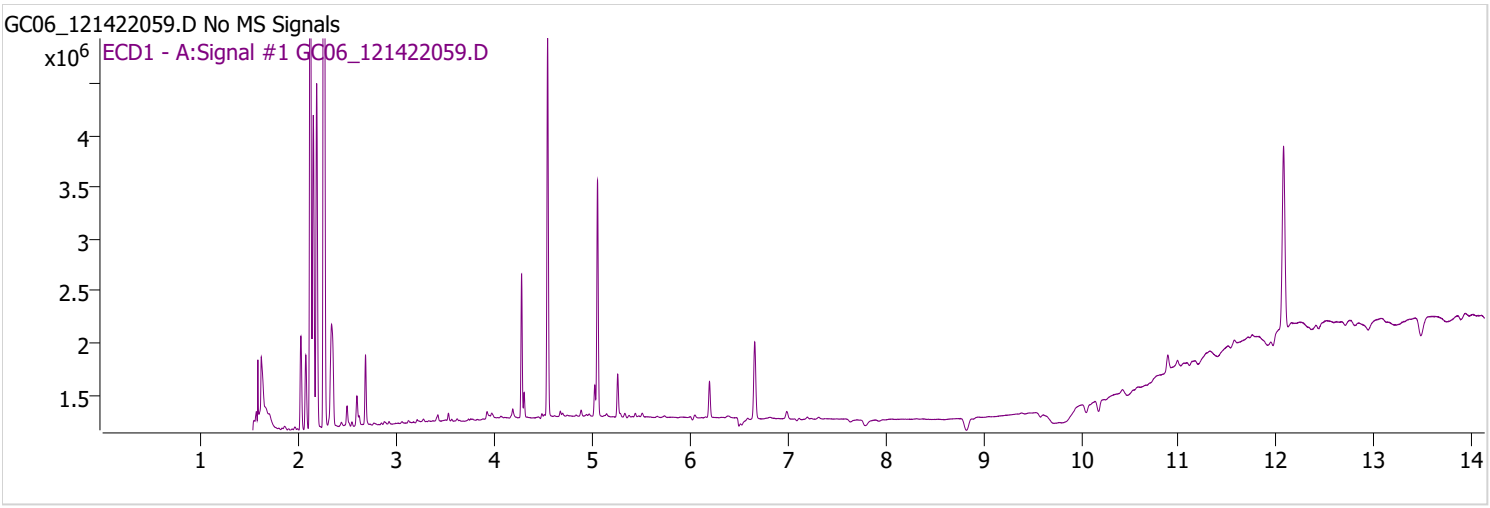
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

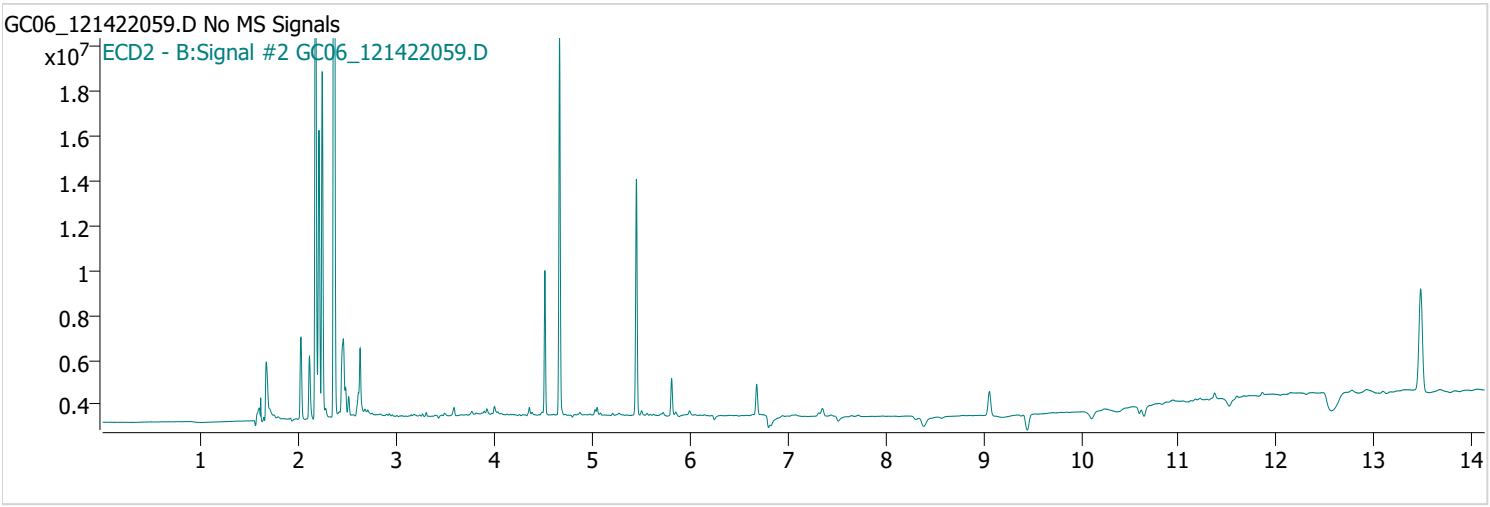
ISTD (CCV gc06_121422036)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

Analyst: MES 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422059.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 5:48:00 AM
Sample Name	474716-005, 303182, 1	Instrument	SVOA-GC06
Vial	42	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



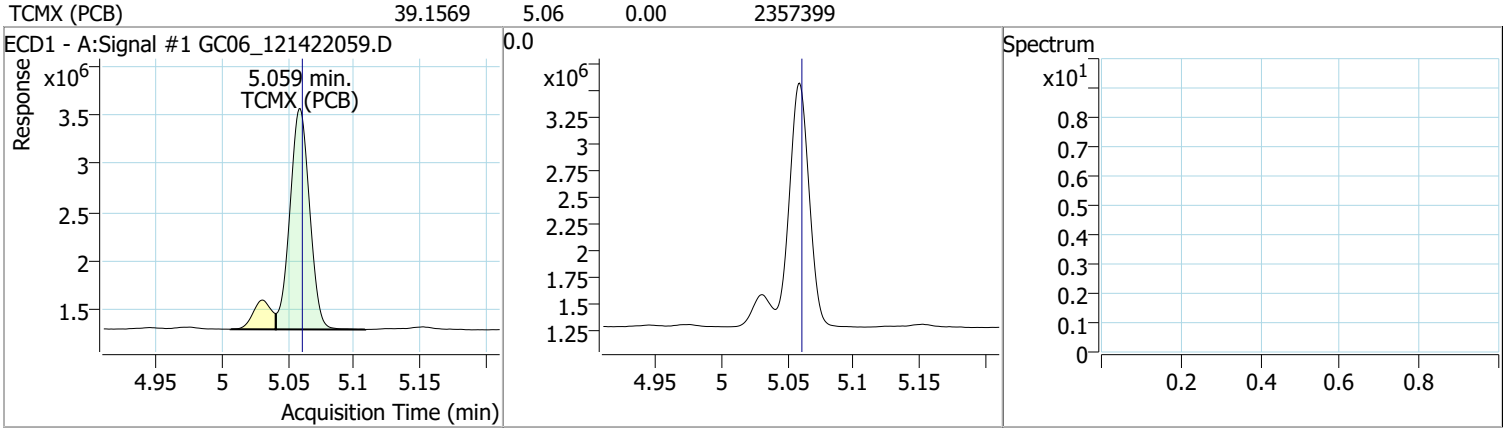


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.283	0.0	1252208.637	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.521	0.0	5628941.841	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB)	5.059	0.0	2357399.335	39.1569	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 195.78%		*	
S TCMX (PCB) #2	5.457	0.0	11314861.558	41.8562	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 209.28%		*	
S Decachlorobiphenyl (PCB)	12.070	0.0	3715909.226	44.6389	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 223.19%		*	
S Decachlorobiphenyl (PCB) #2	13.472	0.0	11426078.445	37.7949	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.97%		*	
Target Compounds							QValue

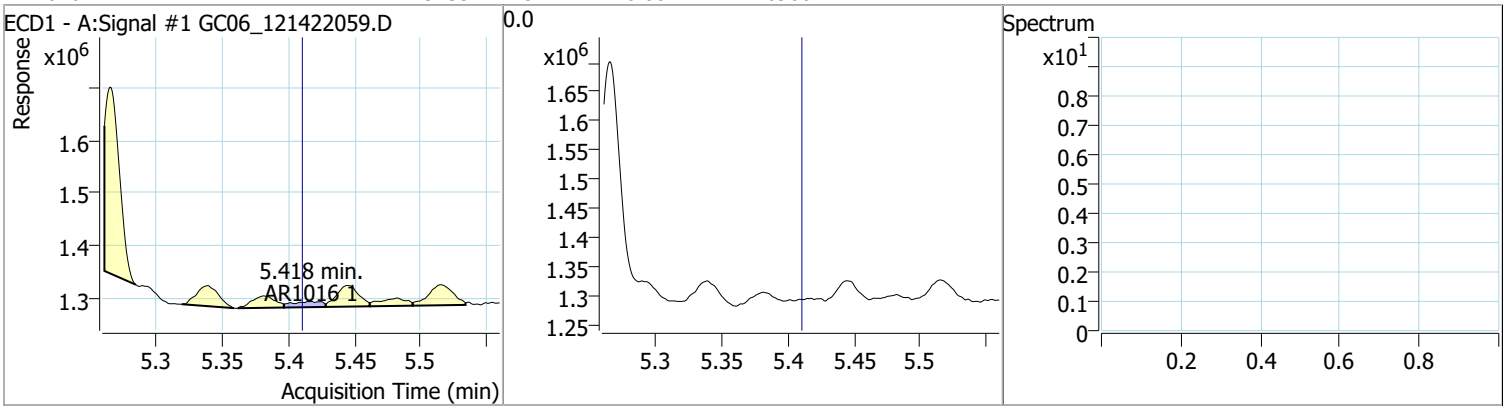
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.418	0.0	16966.394	12.9233	ng/ml	100
T AR1016 2	5.741	0.0	31347.338	0.0000	ng/ml	100
T AR1016 1 #2	5.999	0.0	599886.847	102.5398	ng/ml	100
T AR1016 3	6.203	0.0	414197.219	124.4355	ng/ml	100
T AR1016 4	6.388	0.0	446867.232	176.5149	ng/ml	100
T AR1016 2 #2	6.393	0.0	1367031.990	161.8719	ng/ml	100
T AR1016 5	6.665	0.0	1137795.375	557.9883	ng/ml	100
T AR1016 3 #2	7.085	0.0	2633923.483	171.6481	ng/ml	100
T AR1016 4 #2	7.085	0.0	249181.426	22.7462	ng/ml	100
T AR1016 5 #2	7.319	0.0	230564.329	25.8927	ng/ml	100
T AR1260 1	8.749	0.0	531490.825	125.5369	ng/ml	100
T AR1260 2	9.230	0.0	1748.390	0.2709	ng/ml	100
T AR1260 3	9.619	0.0	121351.219	17.9919	ng/ml	100
T AR1260 1 #2	10.013	0.0	1670097.339	99.6974	ng/ml	100
T AR1260 4	10.143	0.0	470720.240	116.6948	ng/ml	100
T AR1260 2 #2	10.242	0.0	1845743.757	91.7026	ng/ml	100
T AR1260 3 #2	10.617	0.0	274706.680	10.7825	ng/ml	100
T AR1260 5	10.887	0.0	293105.541	20.9360	ng/ml	100
T AR1260 4 #2	11.123	0.0	65754.009	0.0000	ng/ml	100
T AR1260 5 #2	11.365	0.0	2579921.806	103.1947	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

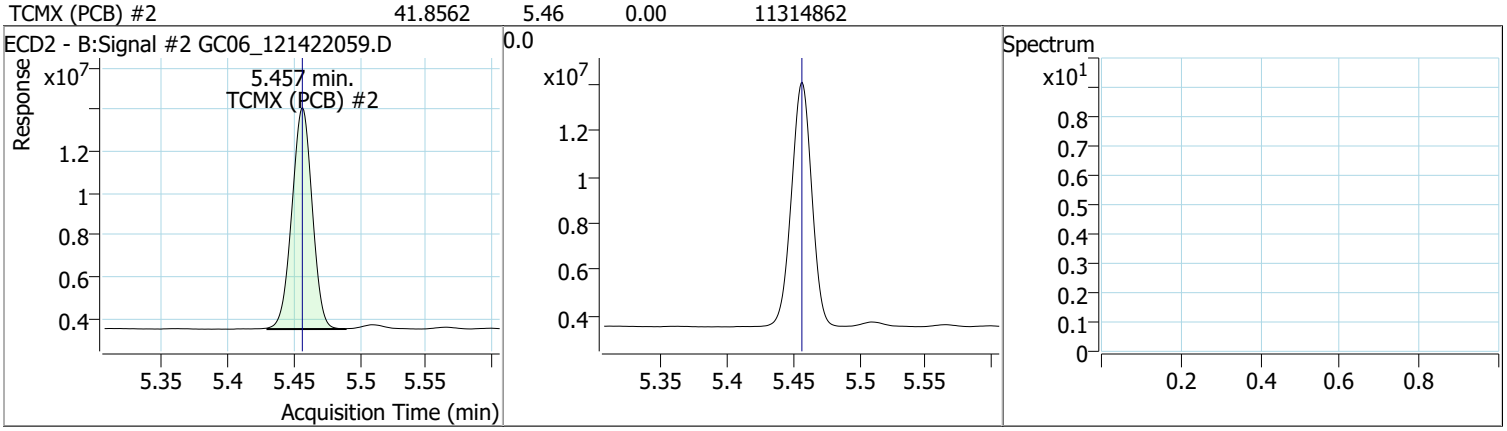
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.1569	5.06	0.00	2357399				



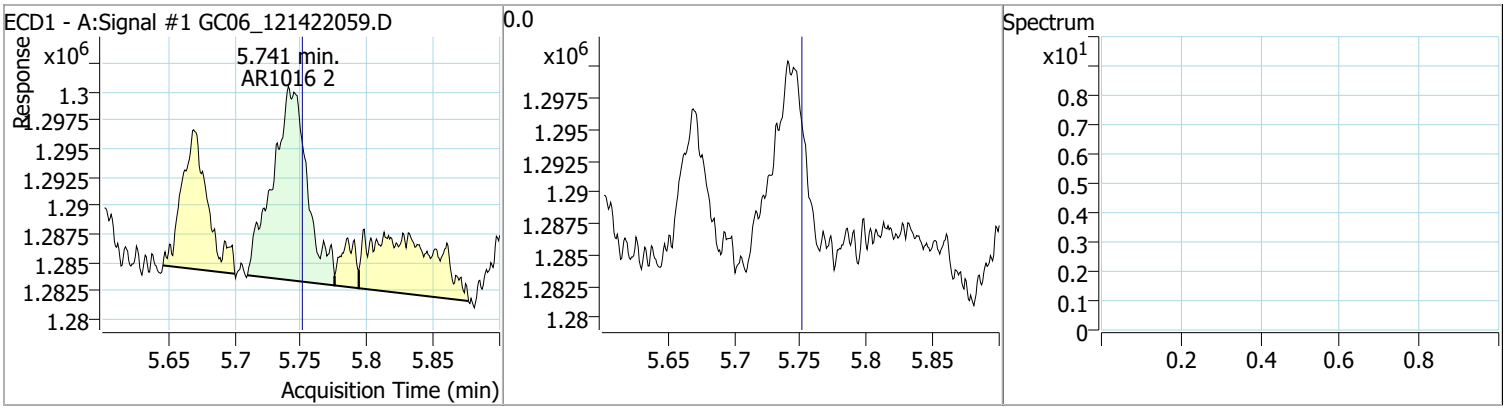
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	12.9233	5.42	0.00	16966				



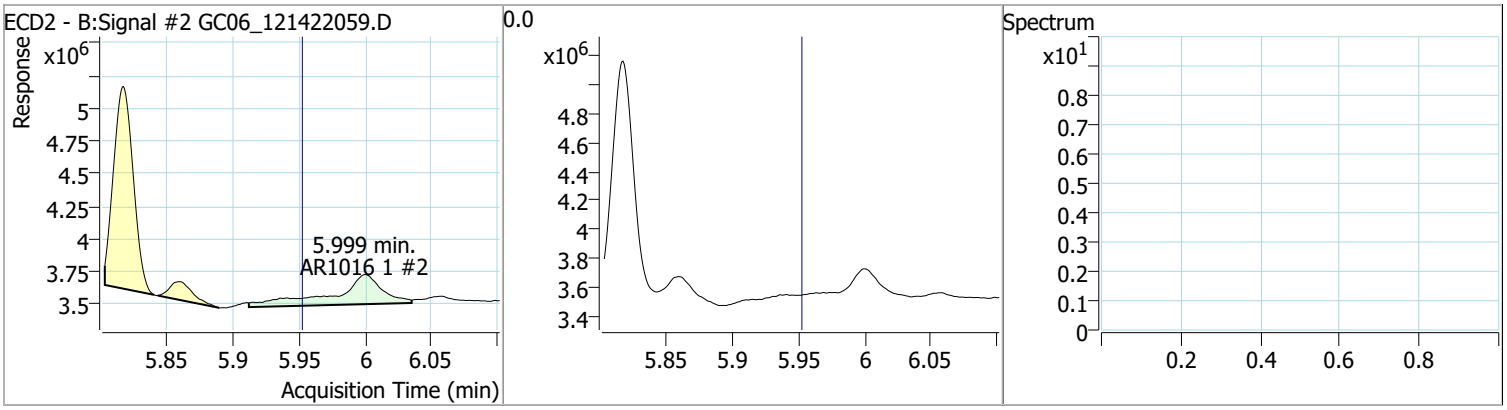
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	41.8562	5.46	0.00	11314862				



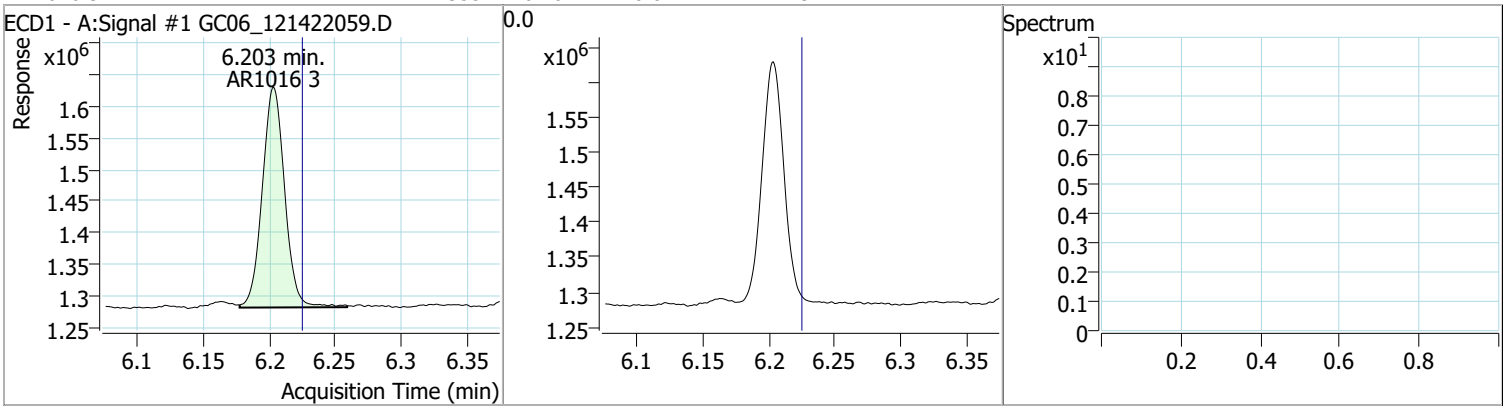
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.74	-0.01	31347				



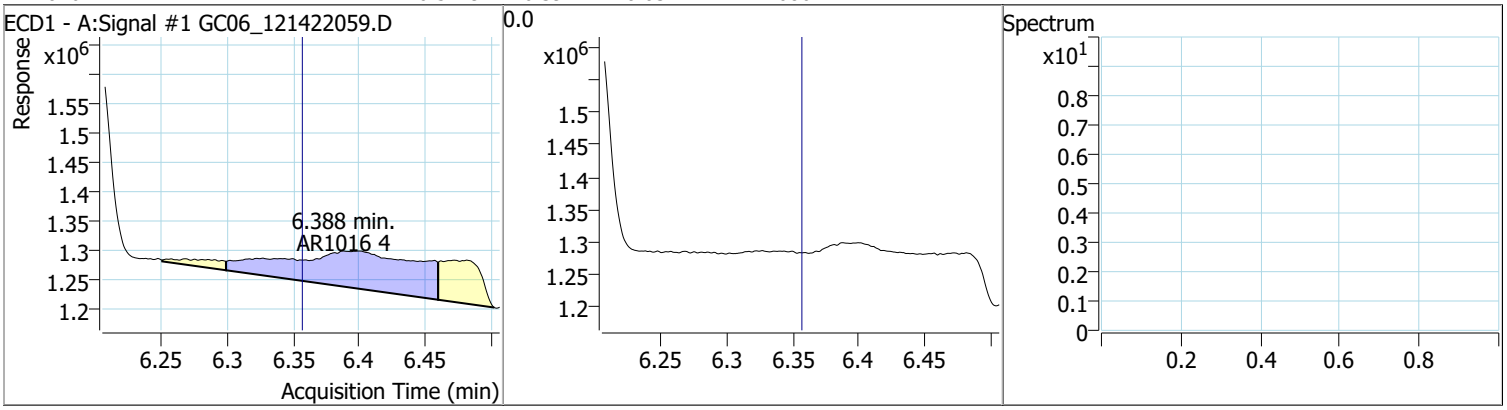
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	102.5398	6.00	0.05	599887				



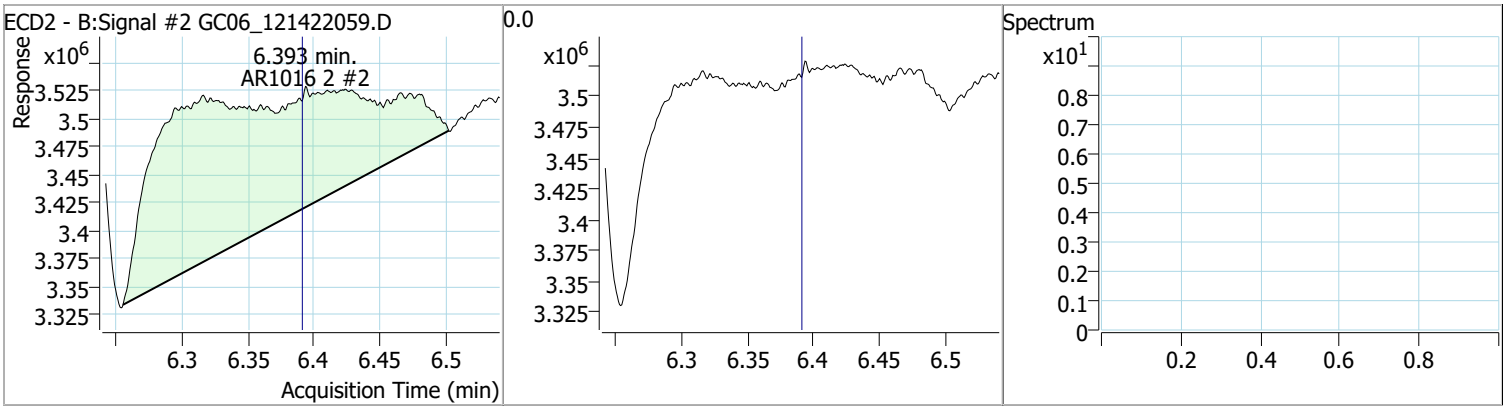
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	124.4355	6.20	-0.02	414197				



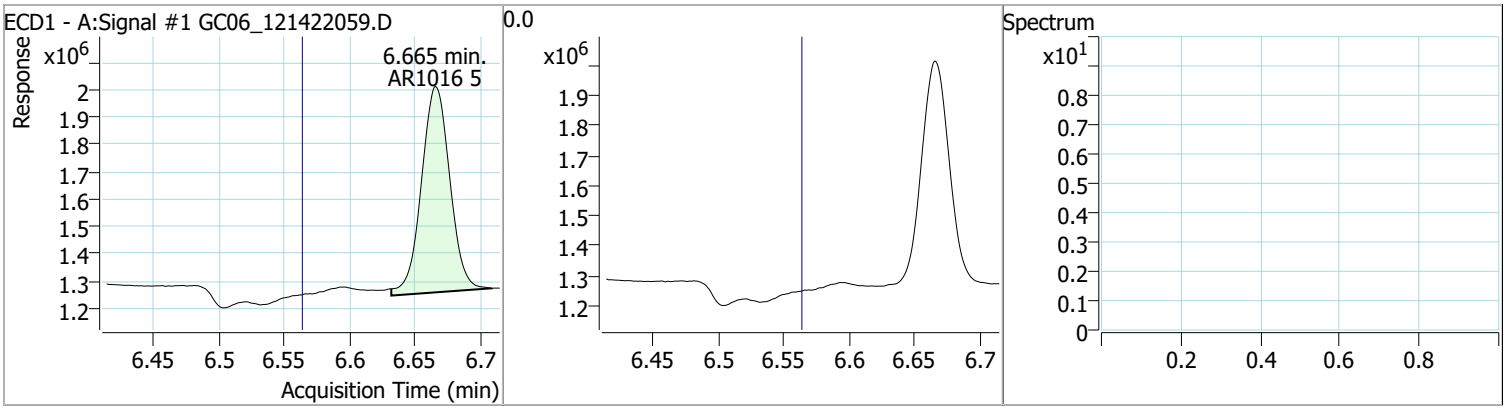
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	176.5149	6.39	0.03	446867				



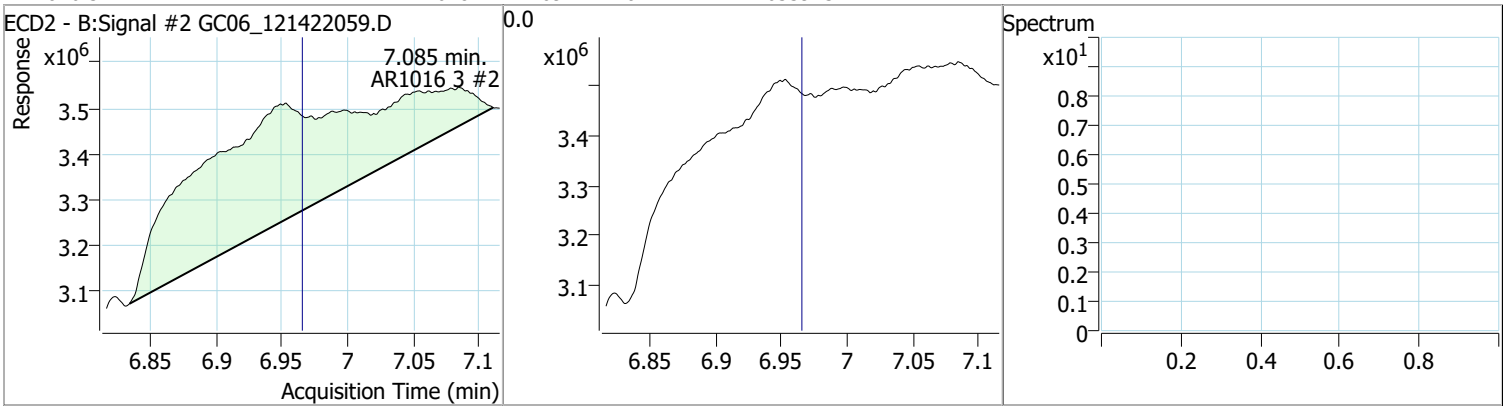
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	161.8719	6.39	0.00	1367032				



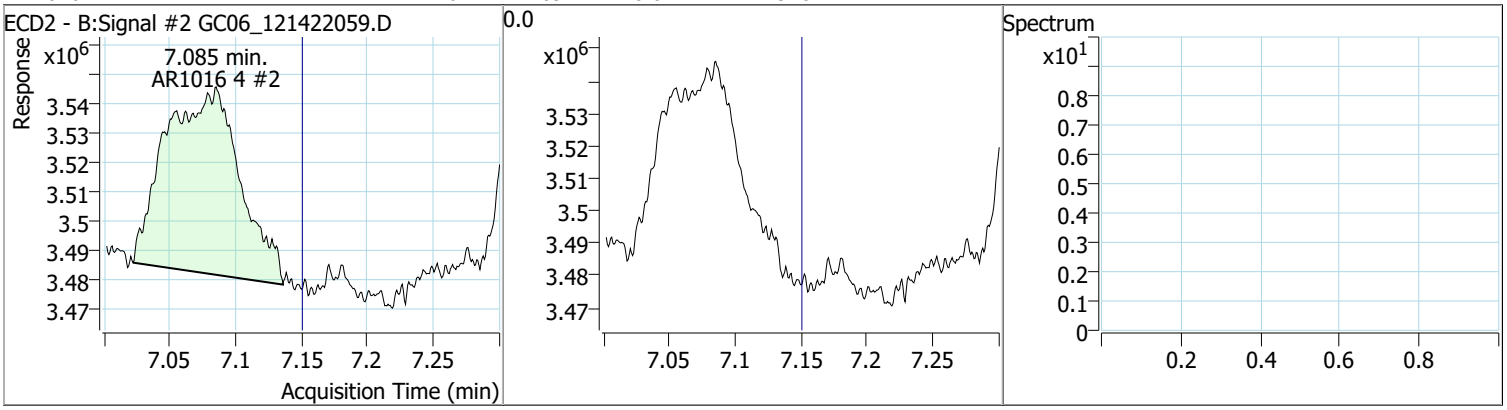
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	557.9883	6.67	0.10	1137795				



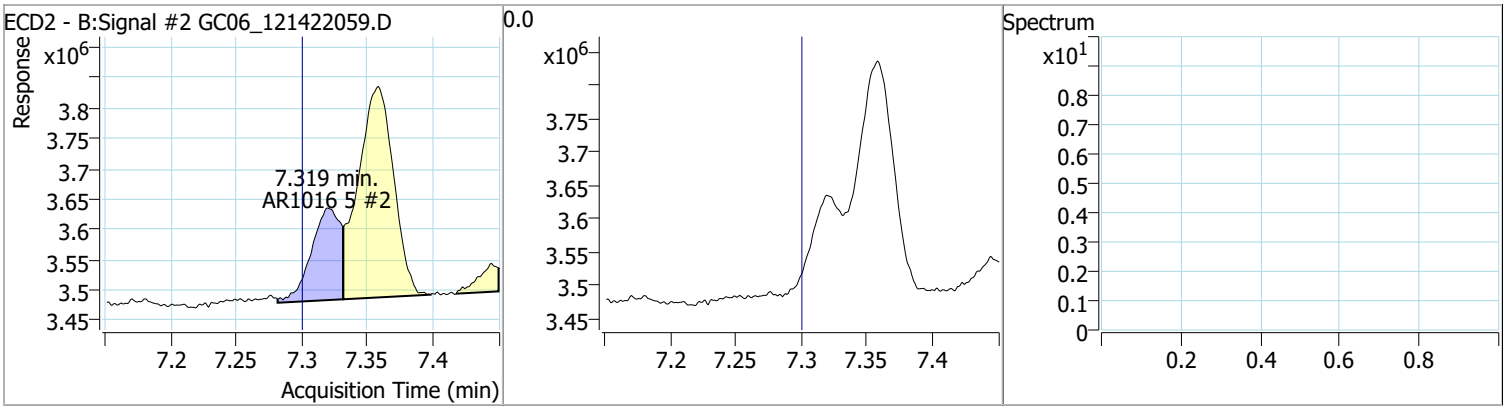
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	171.6481	7.09	0.12	2633923				



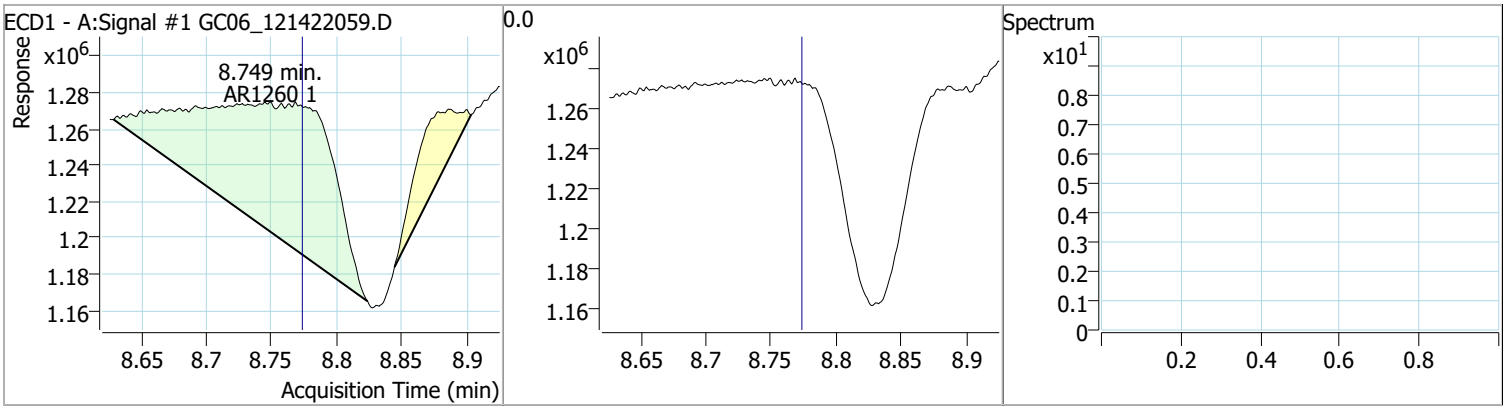
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	22.7462	7.09	-0.07	249181				



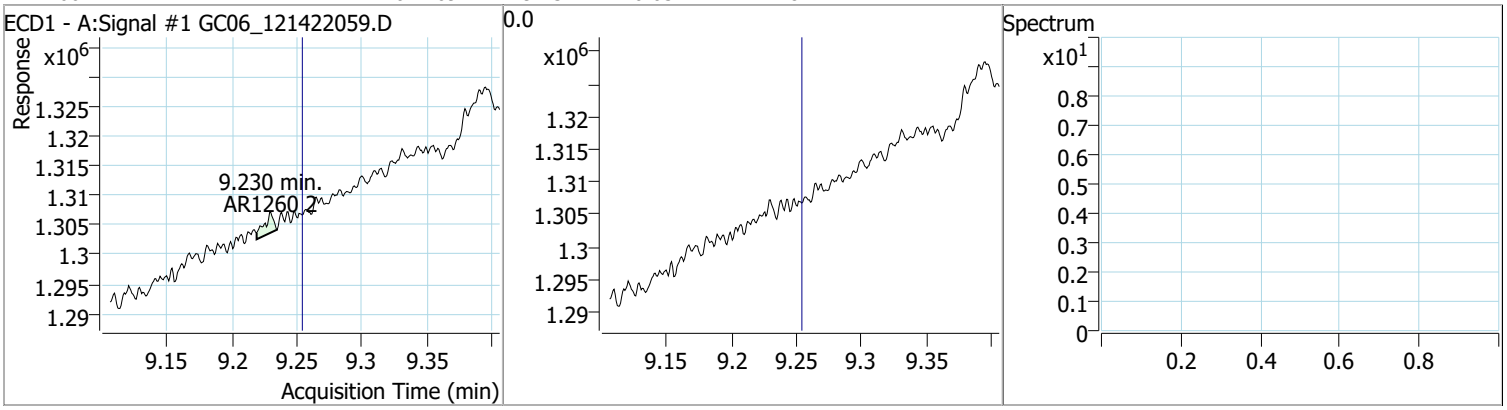
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	25.8927	7.32	0.02	230564				



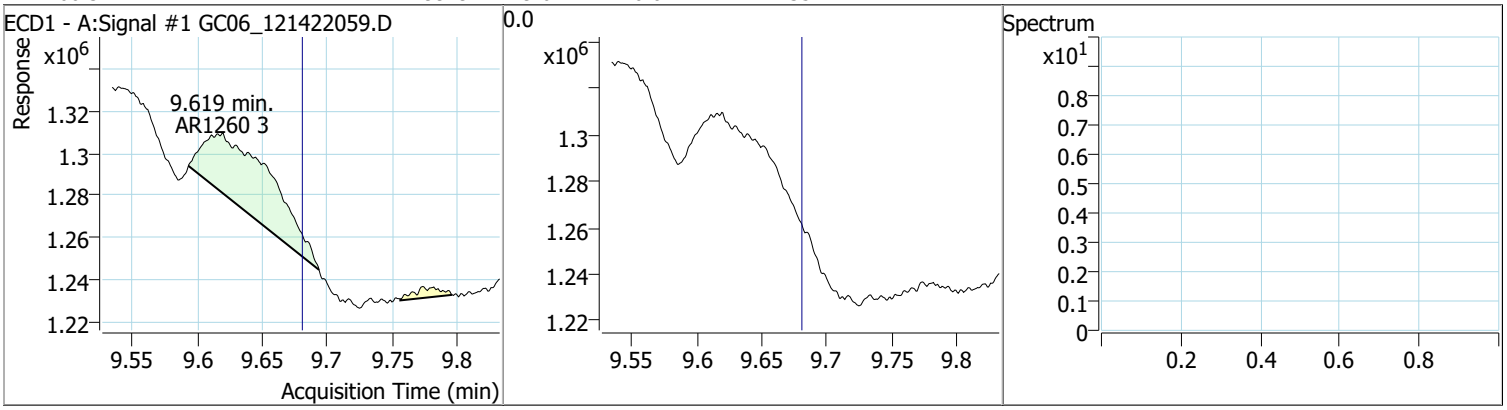
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	125.5369	8.75	-0.03	531491				



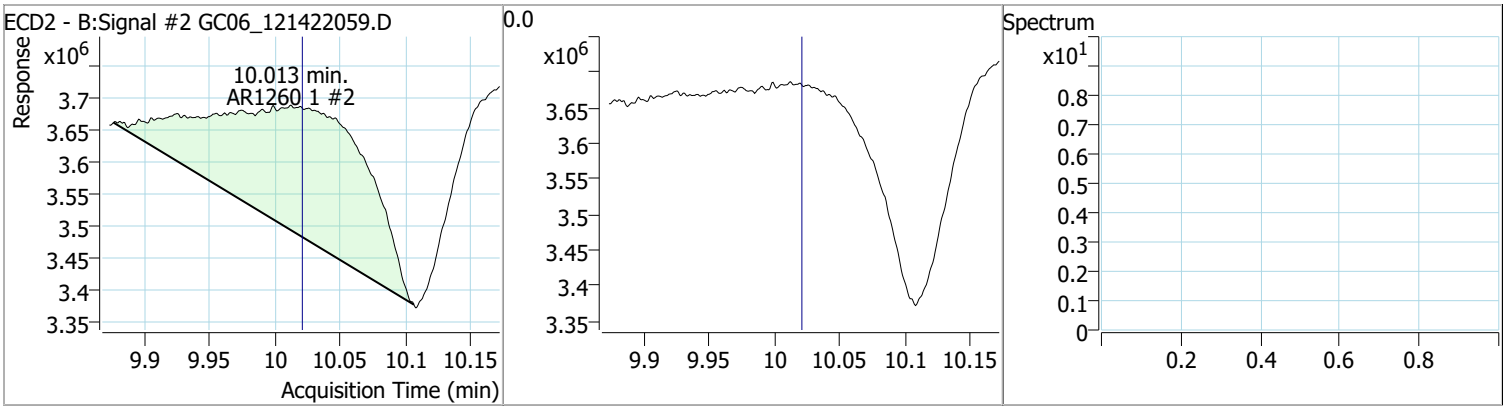
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.2709	9.23	-0.03	1748				



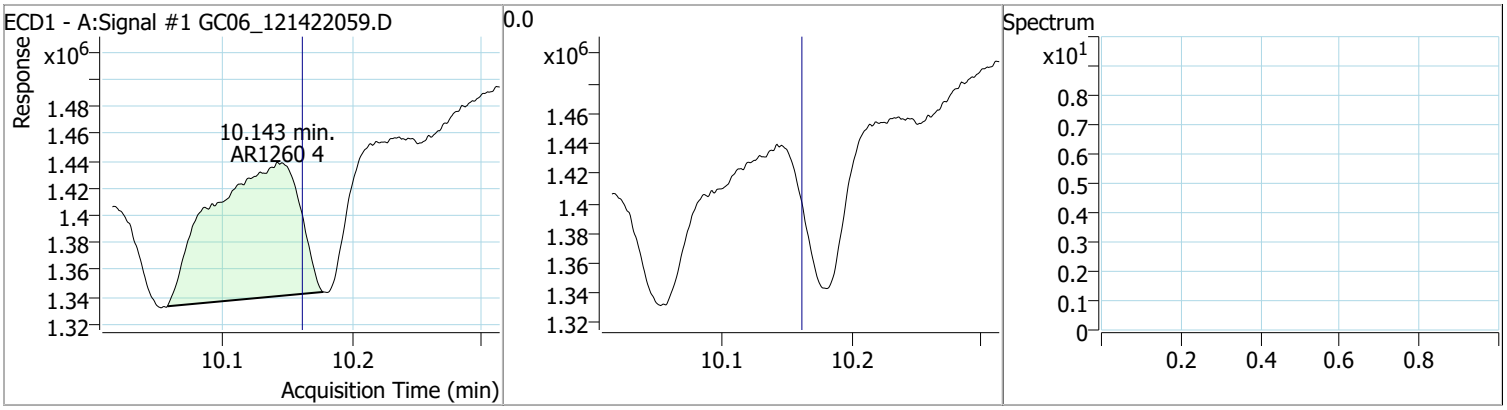
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	17.9919	9.62	-0.07	121351				



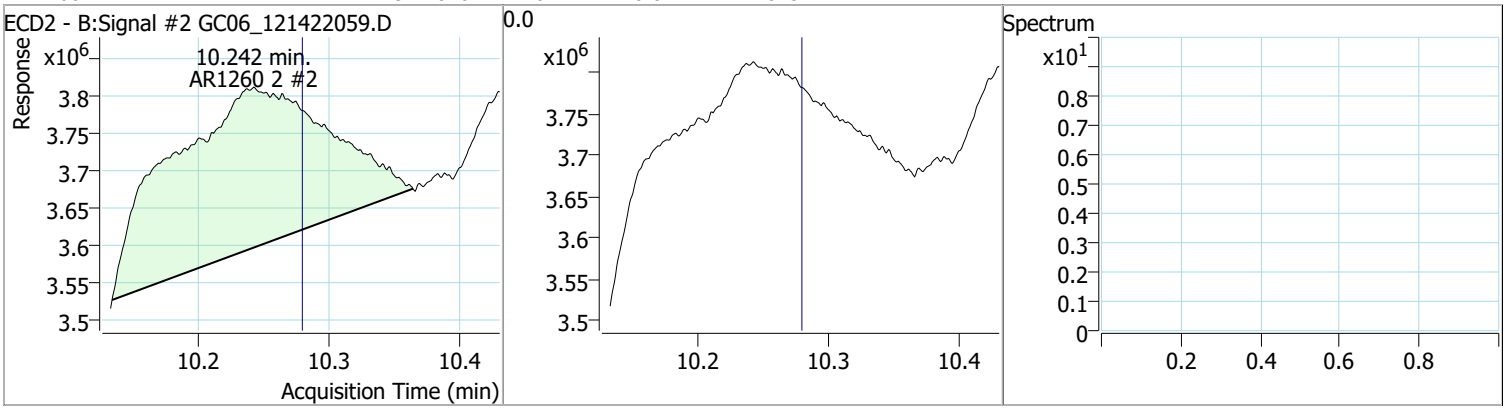
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	99.6974	10.01	-0.01	1670097				



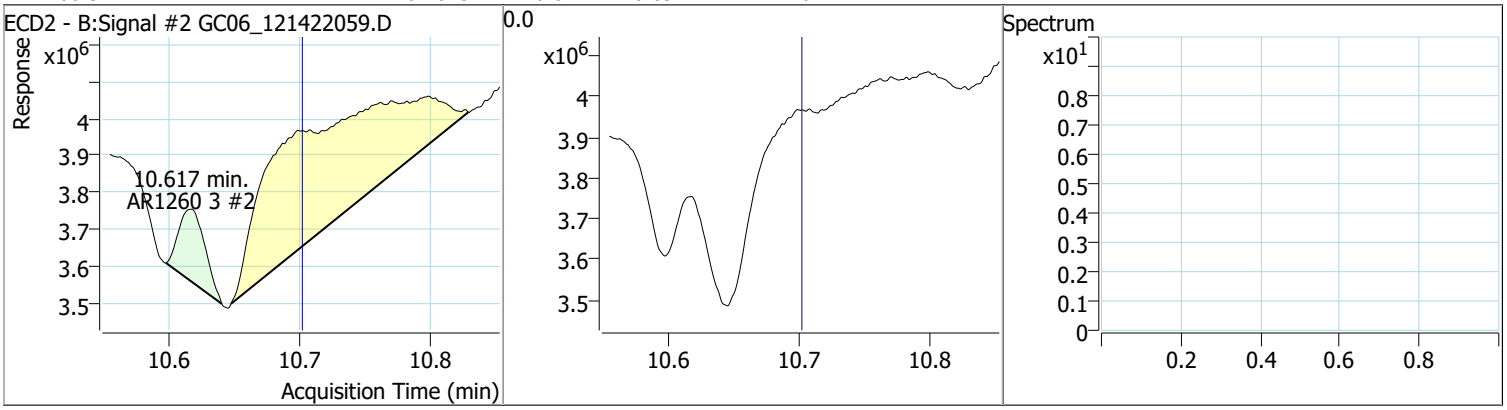
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	116.6948	10.14	-0.02	470720				



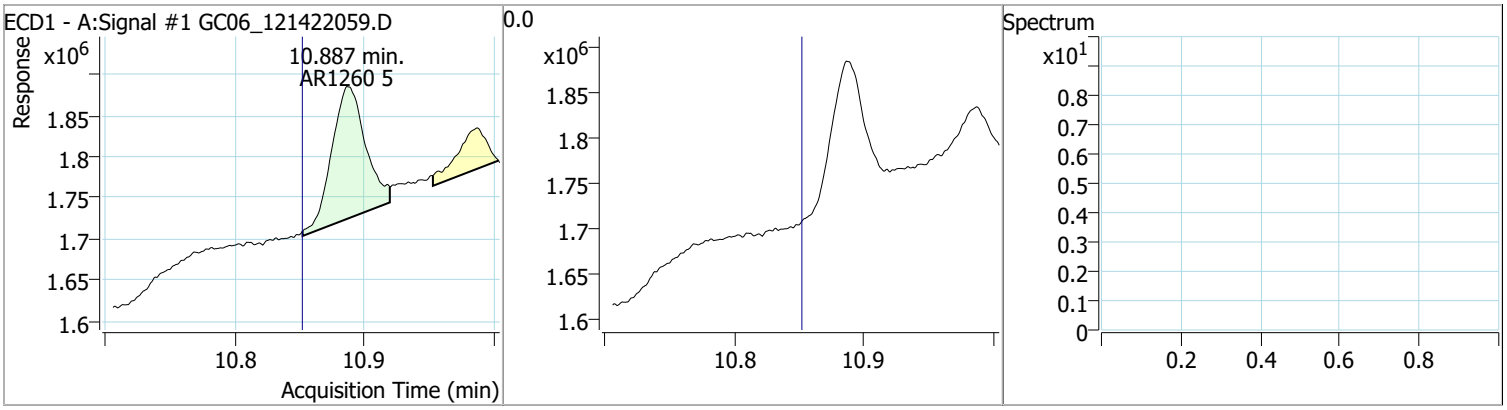
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	91.7026	10.24	-0.04	1845744				



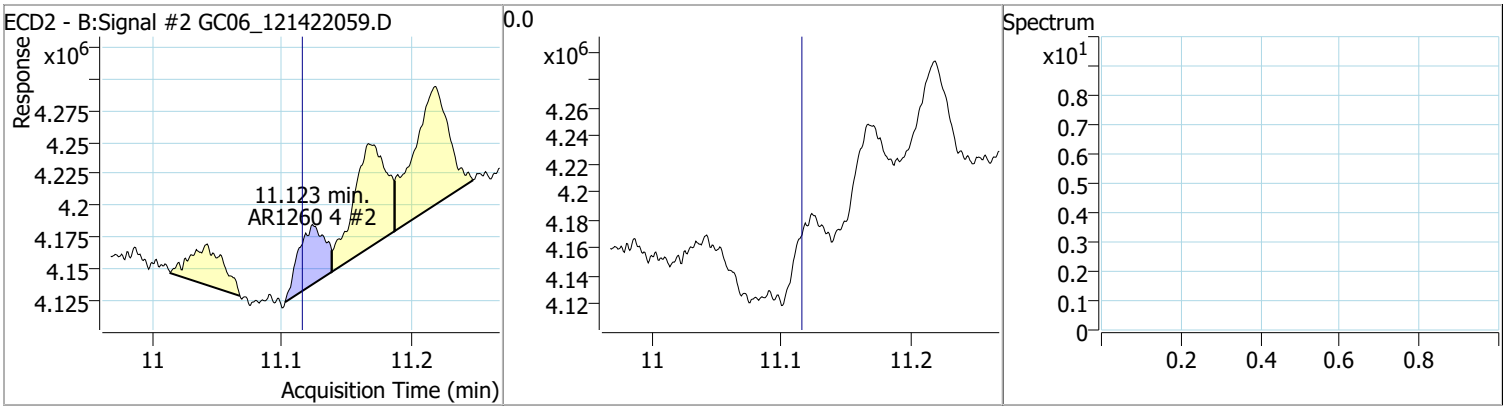
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	10.7825	10.62	-0.09	274707				



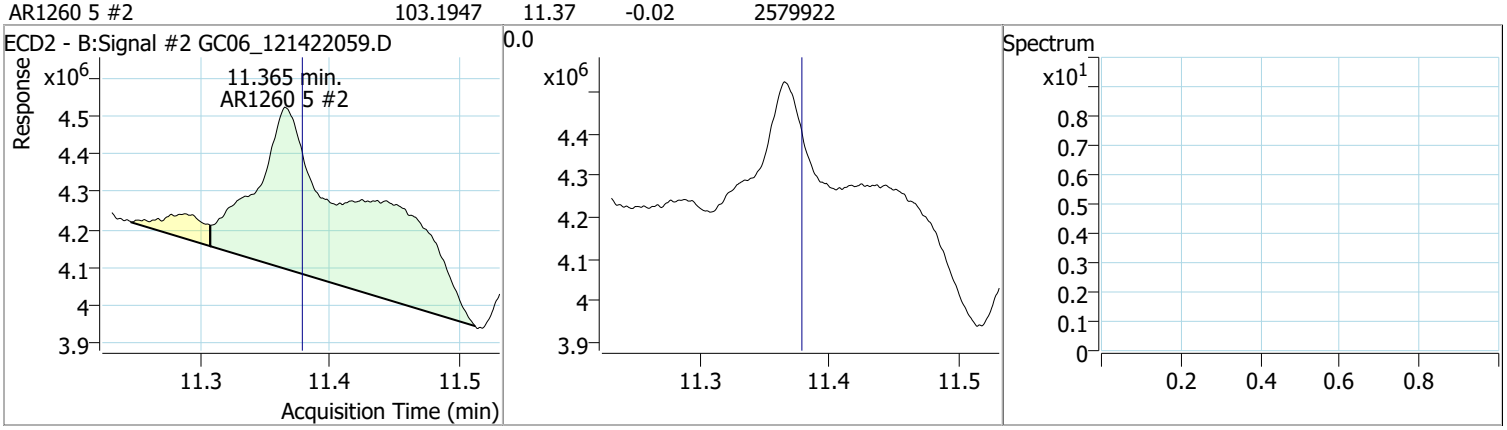
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	20.9360	10.89	0.03	293106				



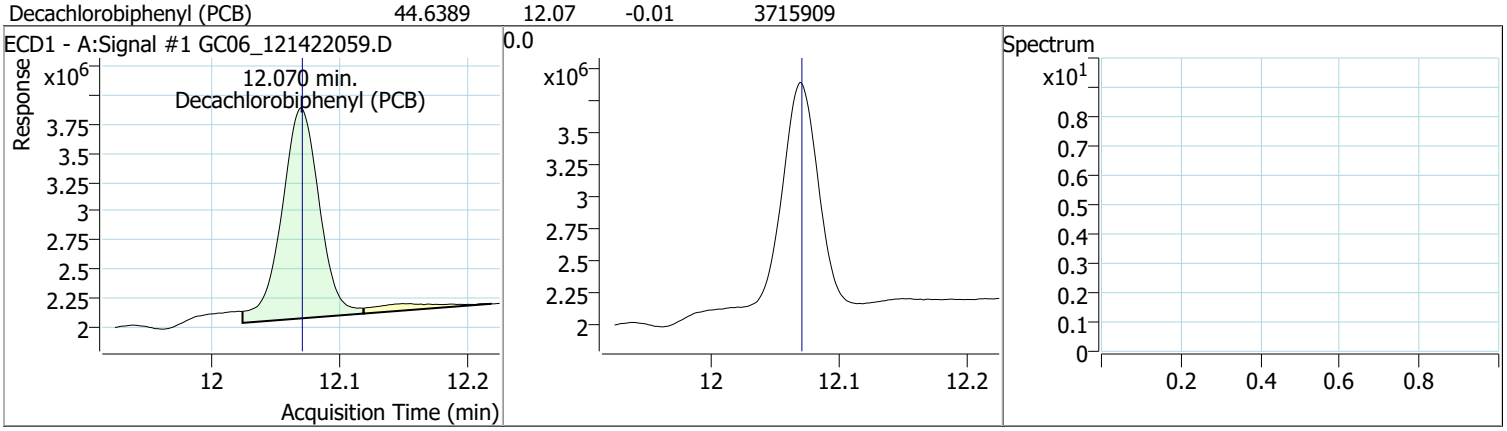
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.12	0.00	65754				



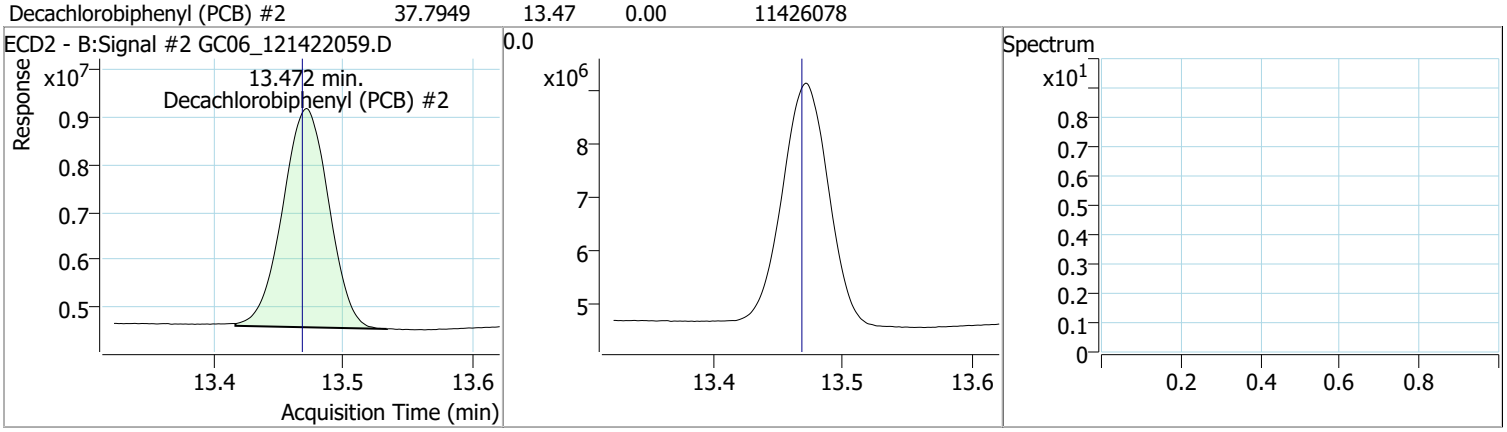
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	103.1947	11.37	-0.02	2579922				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	44.6389	12.07	-0.01	3715909				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	37.7949	13.47	0.00	11426078				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474716-006	Client ID:	20221209-3CD-01-DUP
Seqnum:	452501809029	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422029	Batch:	303181	Time:	14-DEC-2022 20:37
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	14.19	ND	0.27	5%	0.50		u
Aroclor-1016 Peak # 1	B	37.21	0.74	0.41	59%			
Aroclor-1016 Peak # 2	B	2.233	0.04	ND	-322%			
Aroclor-1016 Peak # 3	B	30.57	0.61	0.63	3%			
Aroclor-1016 Peak # 4	B	0.4704	0.01	0.04	119%			
Aroclor-1016 Peak # 5	B	0.4401	0.01	0.46	193%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	13.26	ND	0.37	33%	0.50		u
Aroclor-1260 Peak # 1	B	24.47	0.49	0.88	58%			
Aroclor-1260 Peak # 2	B	34.48	0.69	ND				
Aroclor-1260 Peak # 3	B	3.942	0.08	0.34	125%			
Aroclor-1260 Peak # 4	B	-21.47	ND	0.53	1930%			
Aroclor-1260 Peak # 5	B	24.88	0.50	0.09	138%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	19.33	0.5000	0.3865	77	52-121	u
Decachlorobiphenyl (PCB)	B	18.50	0.5000	0.3700	74	50-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5307613	4786031	-9.83
1-bromo-2-nitrobenzene (PCB)	A	1103956	1008680	-8.63

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

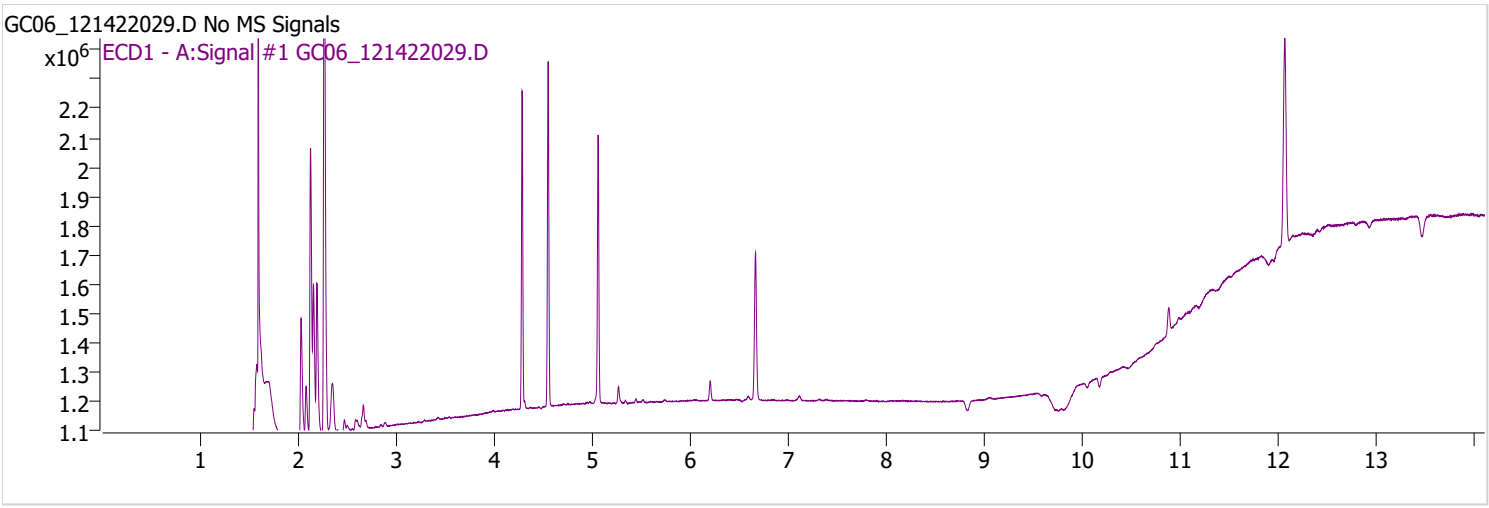
ISTD (CCV gc06_121422004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.28	-0.01

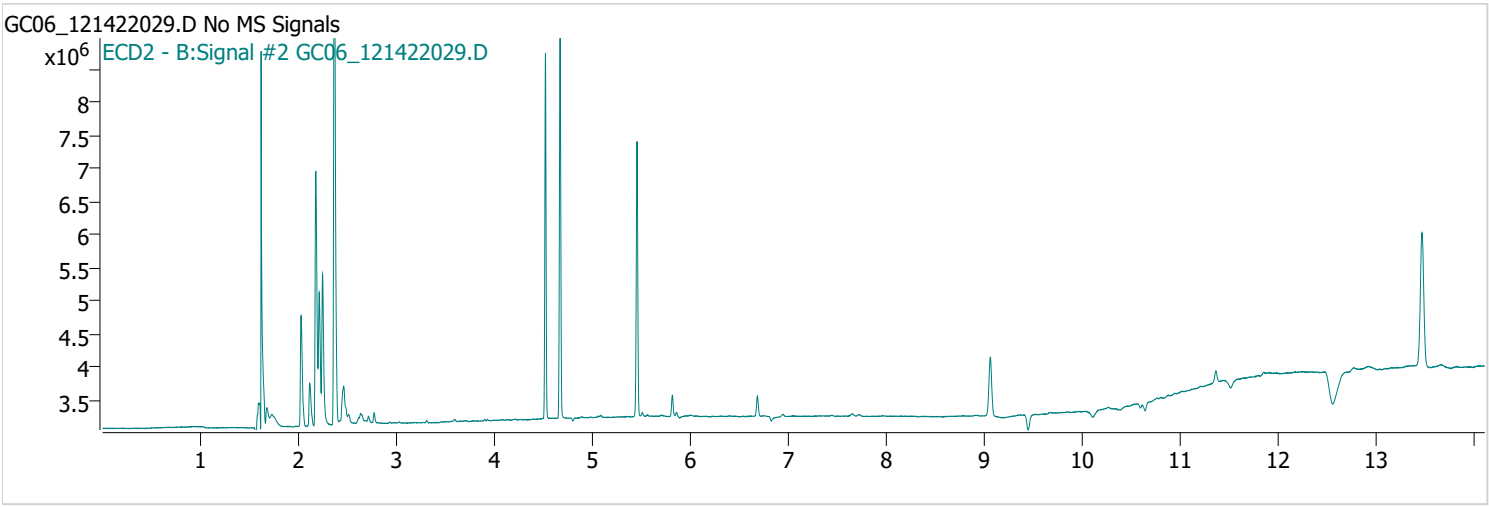
Analyst: MES 12/15/22

Reviewer: LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422029.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 8:37:52 PM
Sample Name	474716-006, 303181, 1	Instrument	SVOA-GC06
Vial	18	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



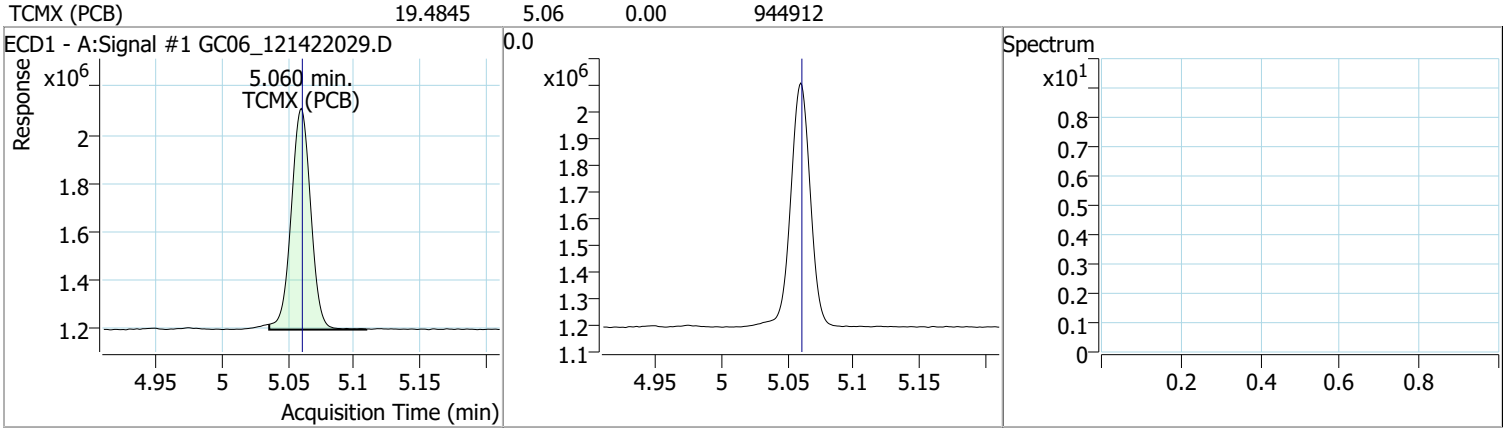


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.283	0.0	1008680.461	20.0000	ng/ml	-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	4786031.412	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.060	0.0	944911.602	19.4845	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.42%		
S TCMX (PCB) #2	5.457	0.0	4442299.157	19.3272	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 96.64%		
S Decachlorobiphenyl (PCB)	12.072	0.0	1466722.376	19.6694	ng/ml	-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 98.35%		
S Decachlorobiphenyl (PCB) #2	13.472	0.0	5017663.829	18.4986	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 92.49%		
Target Compounds						QValue
T AR1016 1	5.448	0.0	21456.897	20.2897	ng/ml	100

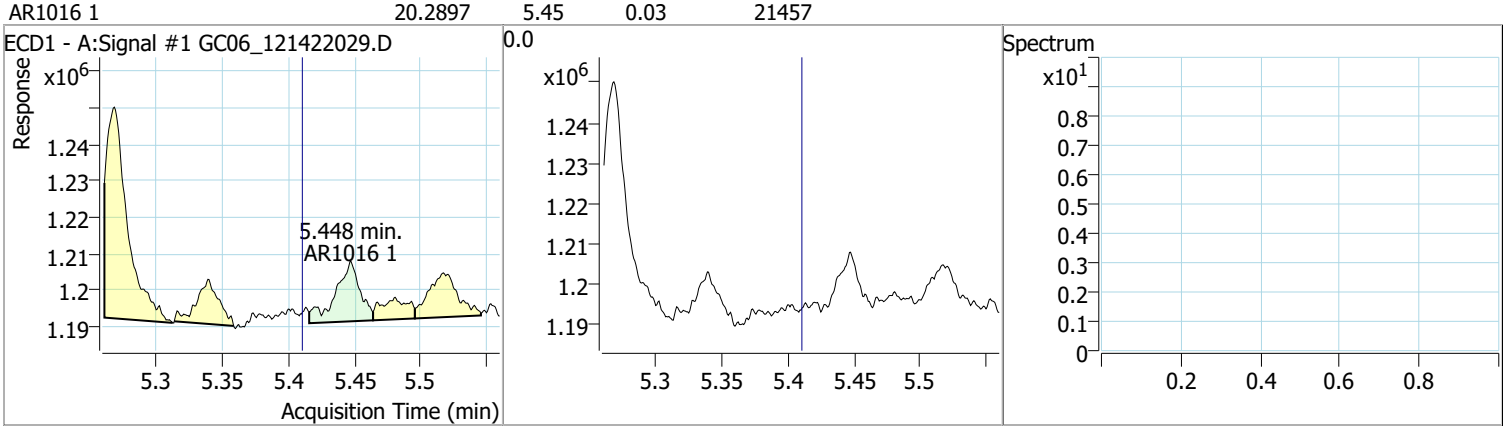
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.743	0.0	12258.224	0.0000	ng/ml	100
T AR1016 1 #2	5.998	0.0	185111.622	37.2142	ng/ml	100
T AR1016 3	6.204	0.0	84676.861	31.5809	ng/ml	100
T AR1016 4	6.338	0.0	3755.870	1.8418	ng/ml	100
T AR1016 2 #2	6.397	0.0	16032.643	2.2328	ng/ml	100
T AR1016 5	6.593	0.0	38178.867	23.2438	ng/ml	100
T AR1016 3 #2	6.945	0.0	398906.283	30.5744	ng/ml	100
T AR1016 4 #2	7.149	0.0	4381.919	0.4704	ng/ml	100
T AR1016 5 #2	7.291	0.0	3332.336	0.4401	ng/ml	100
T AR1260 1	8.726	0.0	150876.835	44.2406	ng/ml	100
T AR1260 2	0.000		0	N.D.		
T AR1260 3	9.615	0.0	92335.011	16.9951	ng/ml	100
T AR1260 1 #2	10.039	0.0	348483.746	24.4667	ng/ml	100
T AR1260 4	10.153	0.0	120149.359	26.4293	ng/ml	100
T AR1260 2 #2	10.271	0.0	590039.676	34.4780	ng/ml	100
T AR1260 3 #2	10.614	0.0	85400.231	3.9424	ng/ml	100
T AR1260 5	10.888	0.0	136978.888	4.5476	ng/ml	100
T AR1260 4 #2	11.027	0.0	25995.459	0.0000	ng/ml	100
T AR1260 5 #2	11.369	0.0	783887.486	24.8863	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

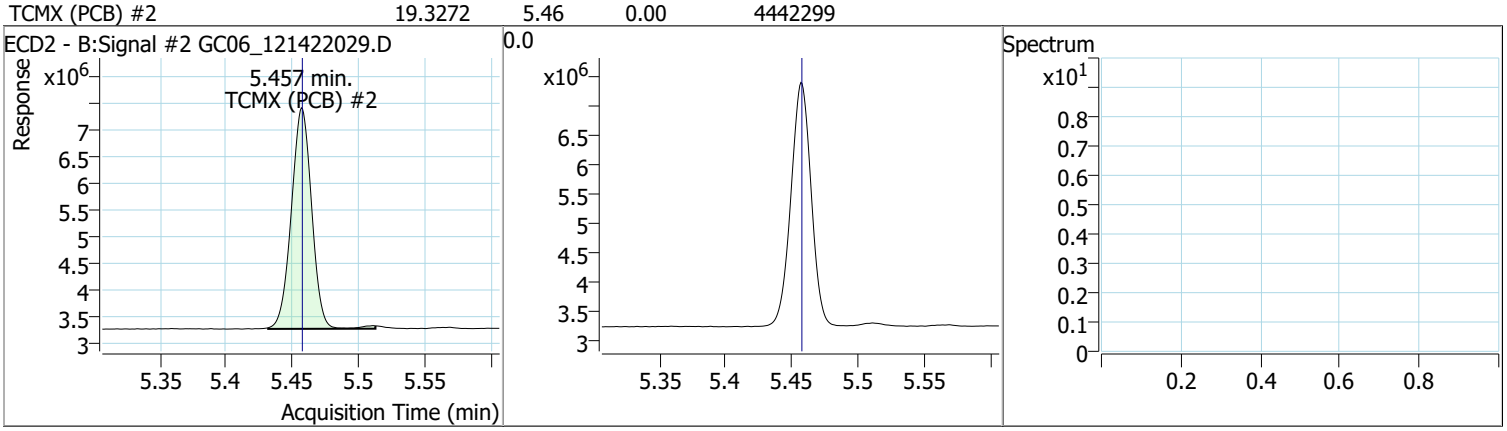
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	19.4845	5.06	0.00	944912				



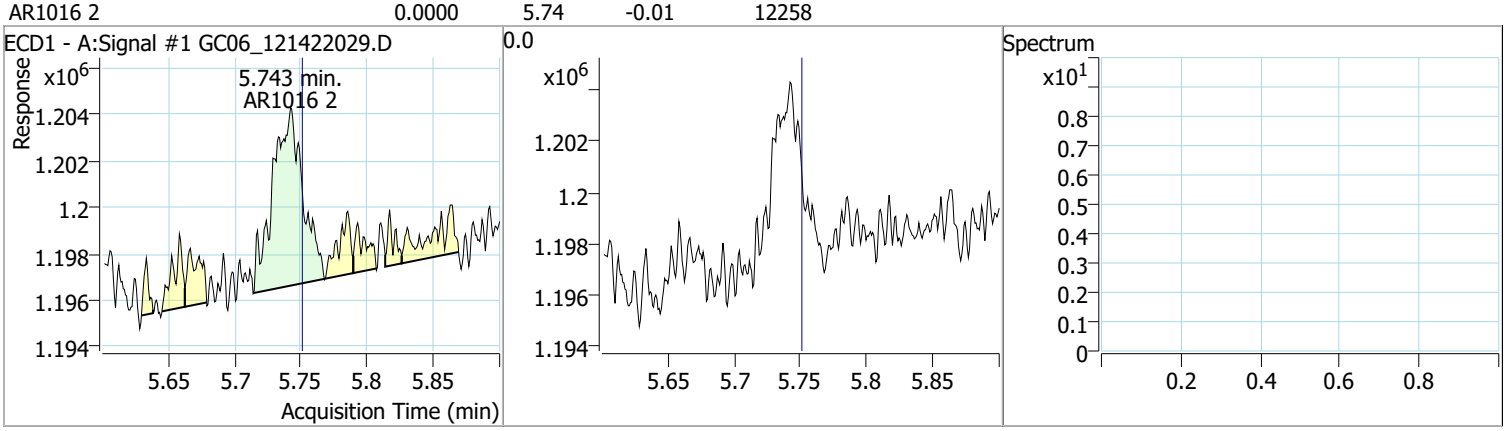
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	20.2897	5.45	0.03	21457				



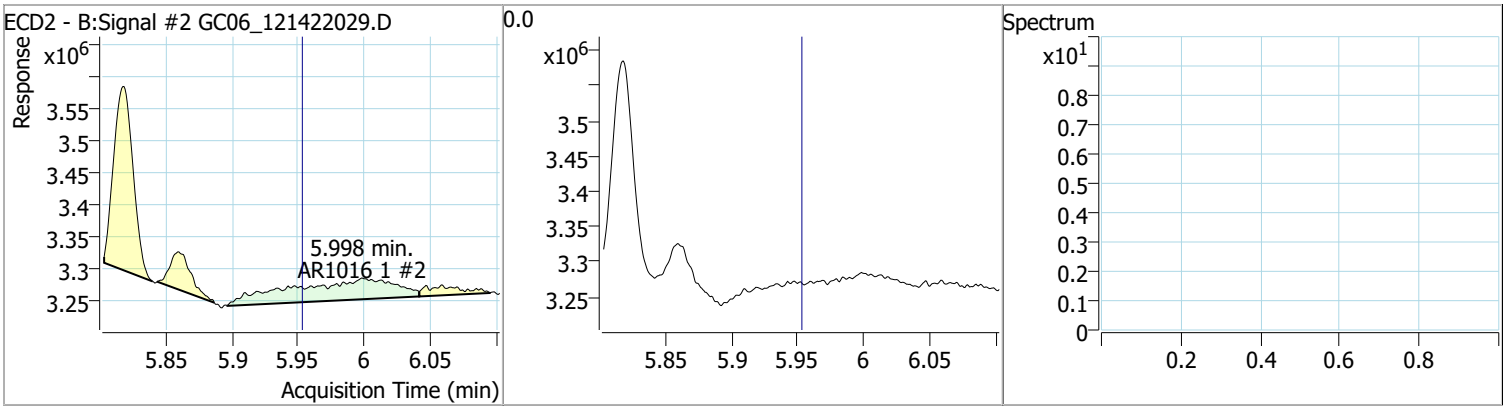
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	19.3272	5.46	0.00	4442299				



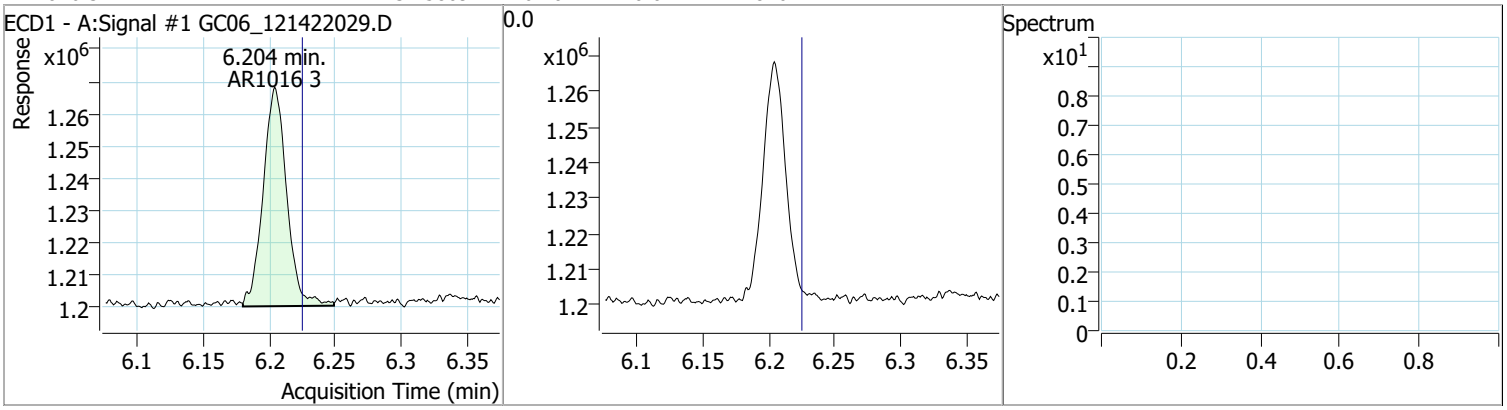
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.74	-0.01	12258				



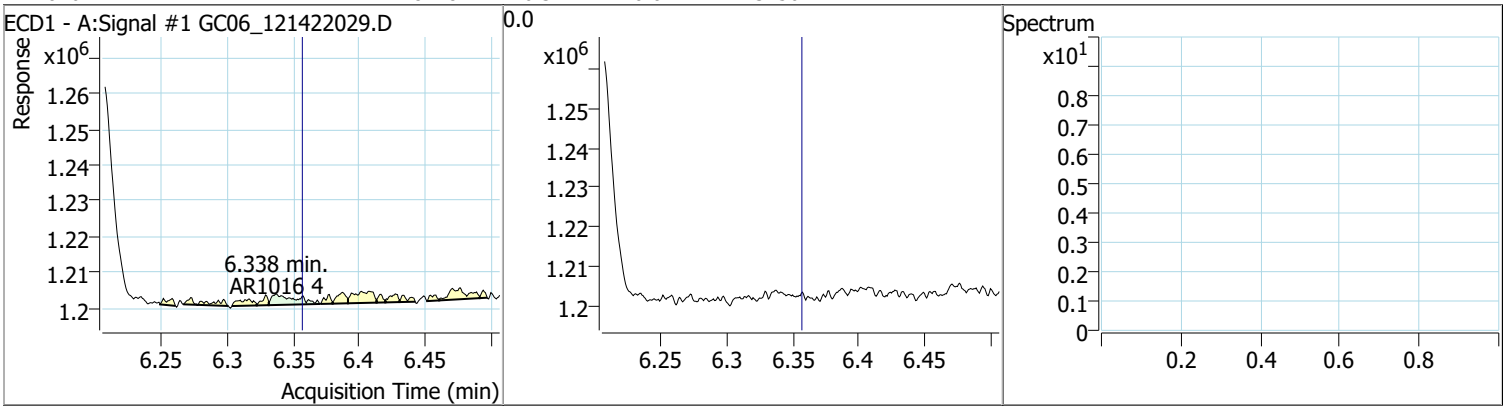
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	37.2142	6.00	0.04	185112				



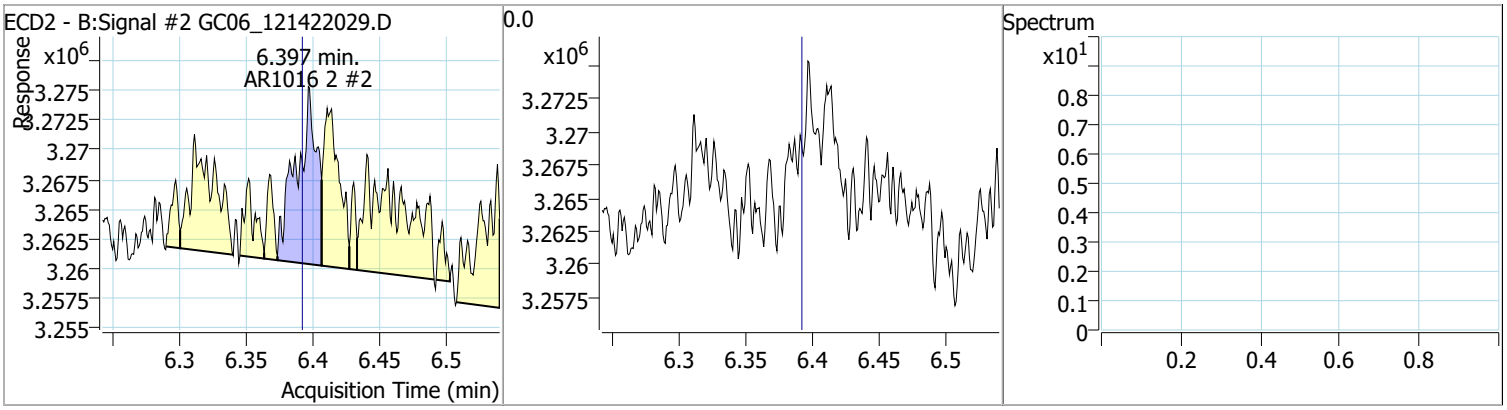
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	31.5809	6.20	-0.02	84677				



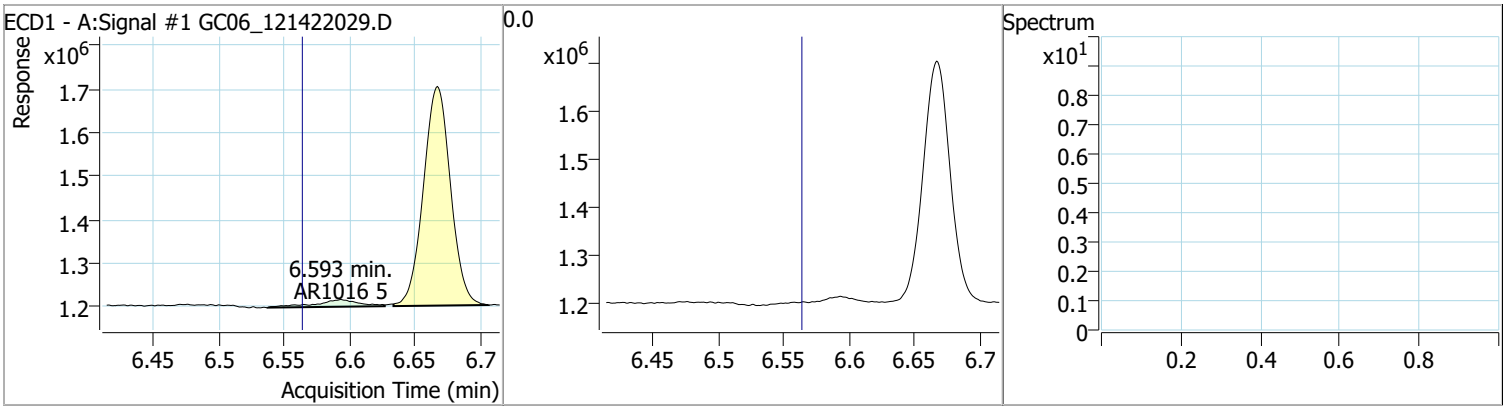
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1.8418	6.34	-0.02	3756				



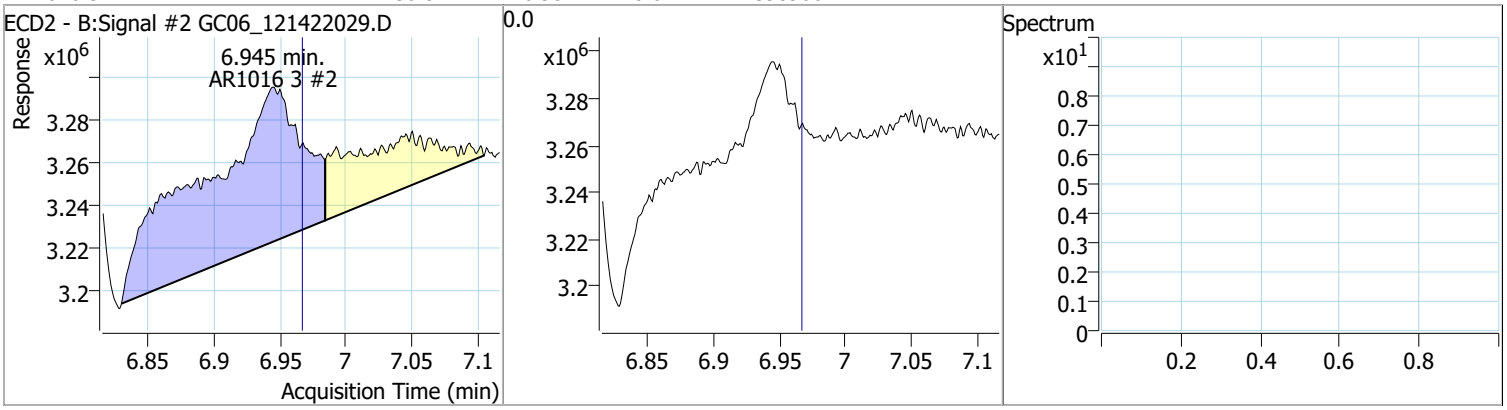
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	2.2328	6.40	0.00	16033				



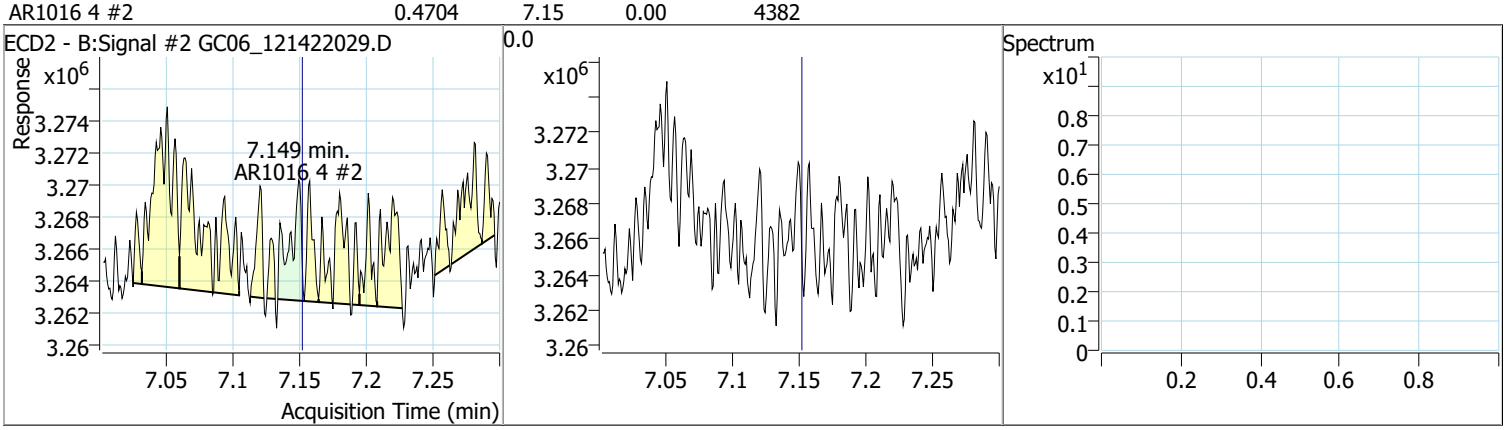
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	23.2438	6.59	0.03	38179				



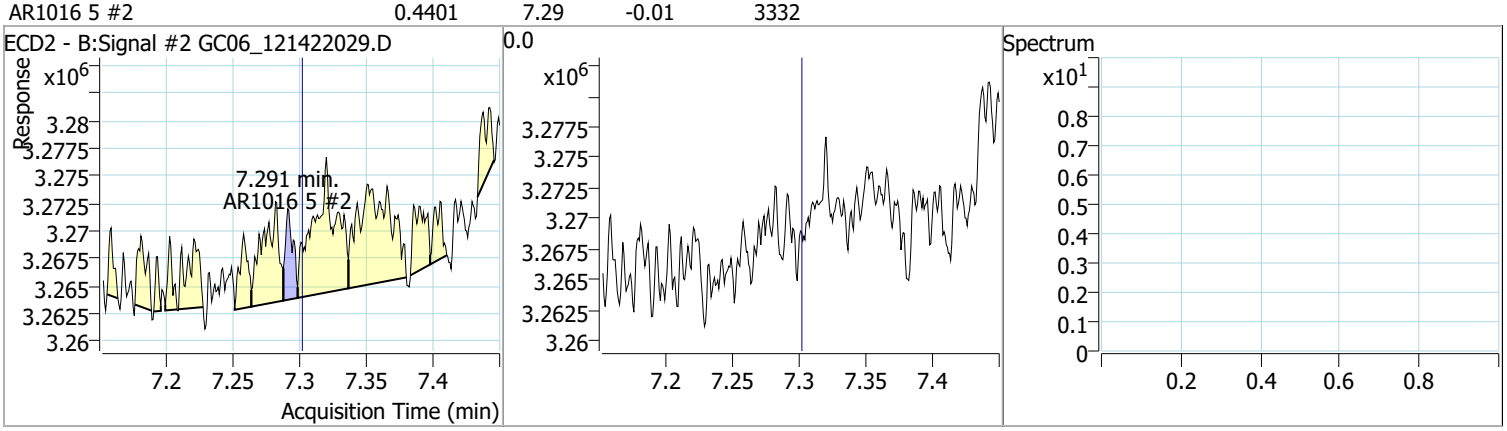
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	30.5744	6.95	-0.02	398906				



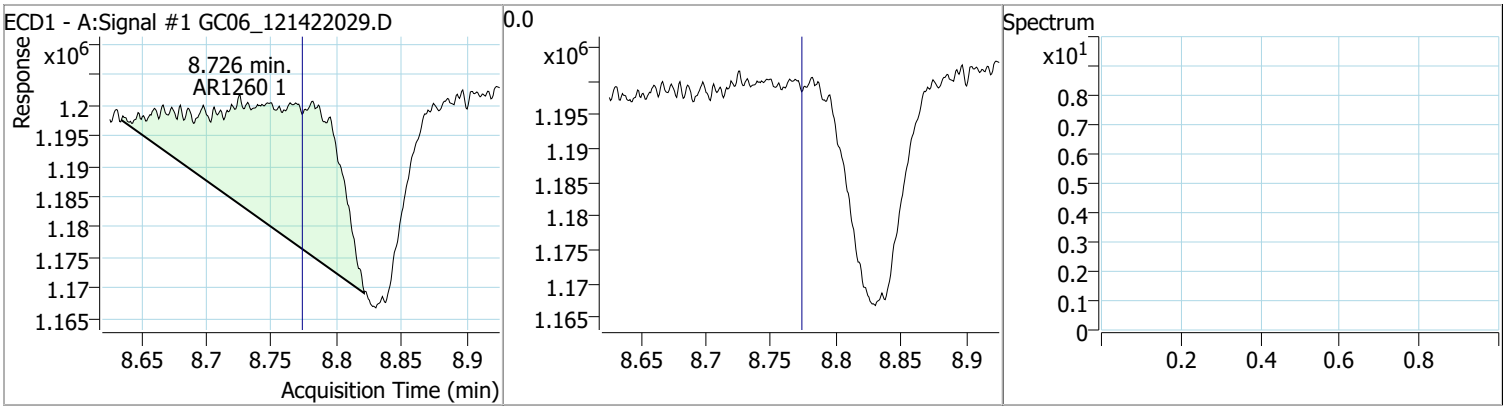
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.4704	7.15	0.00	4382				



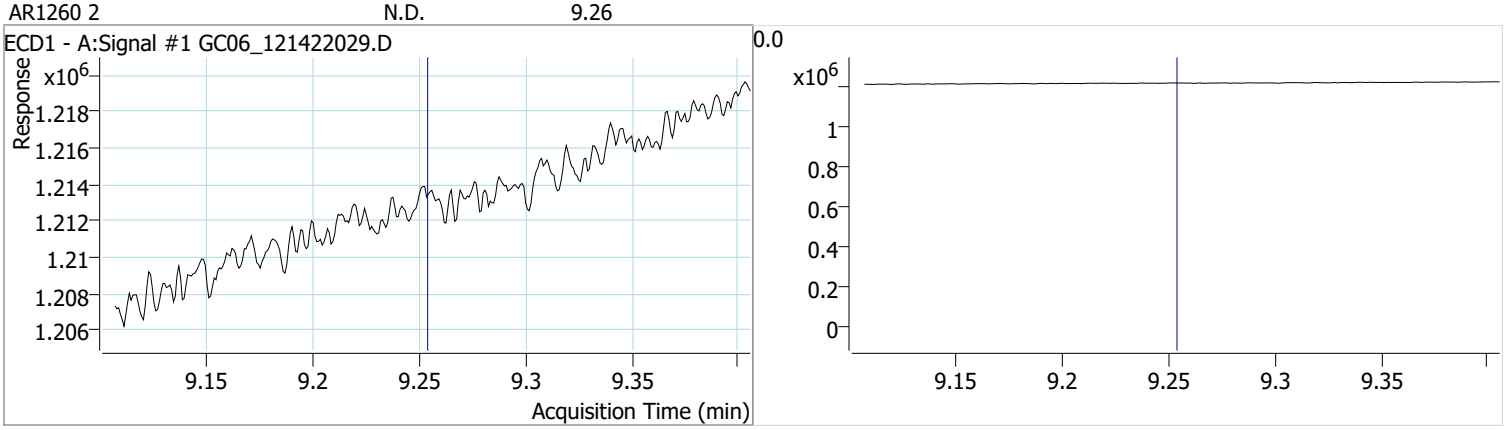
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.4401	7.29	-0.01	3332				



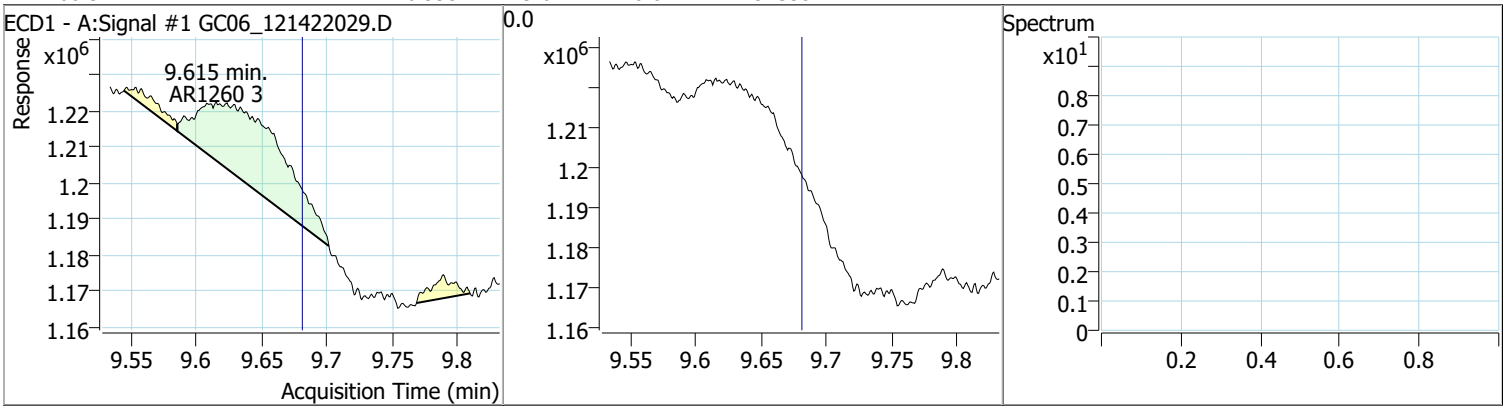
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	44.2406	8.73	-0.05	150877				



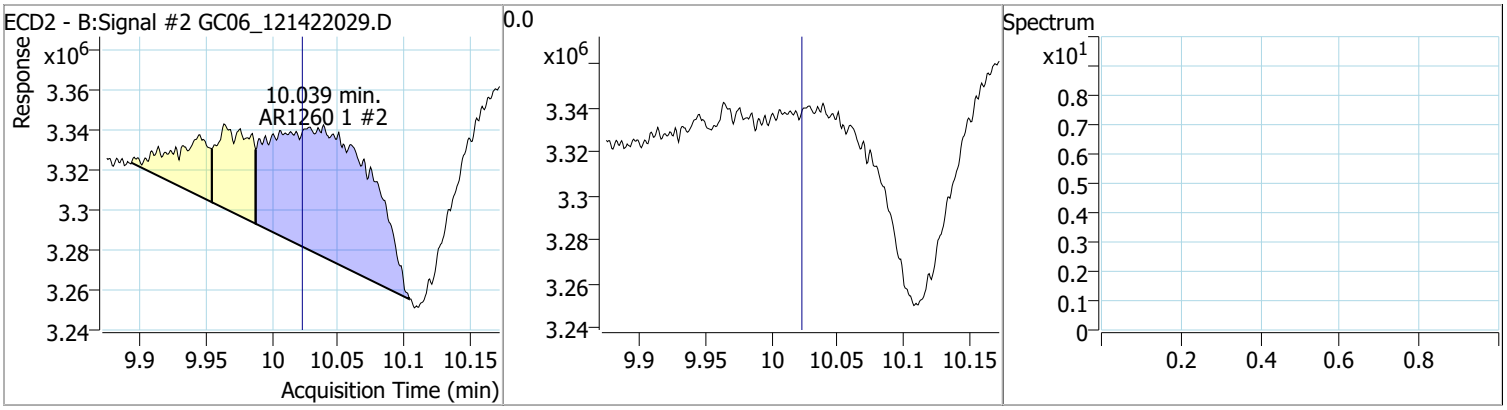
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 2	N.D.	9.26		



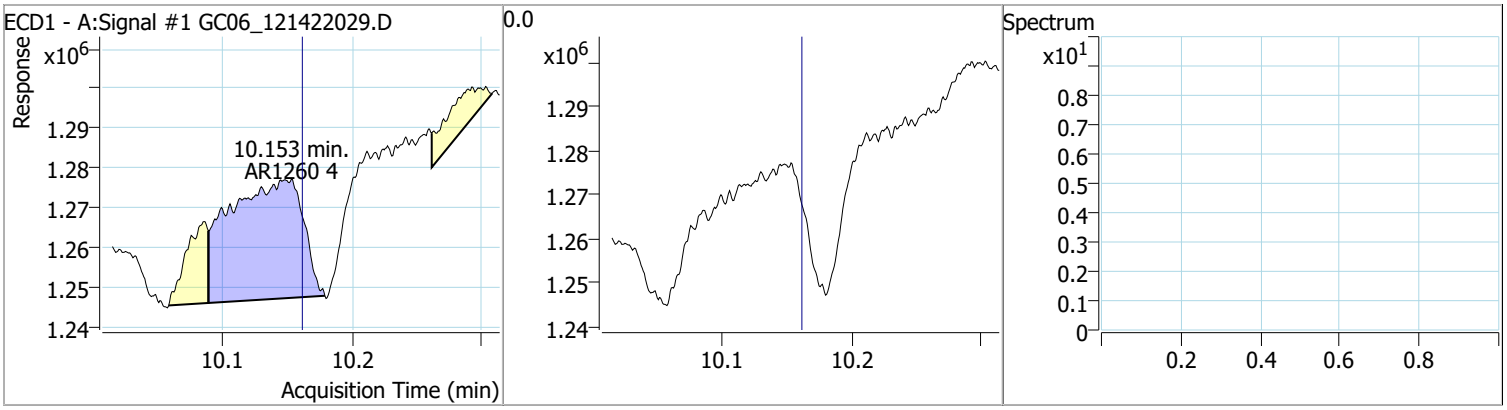
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	16.9951	9.62	-0.07	92335				



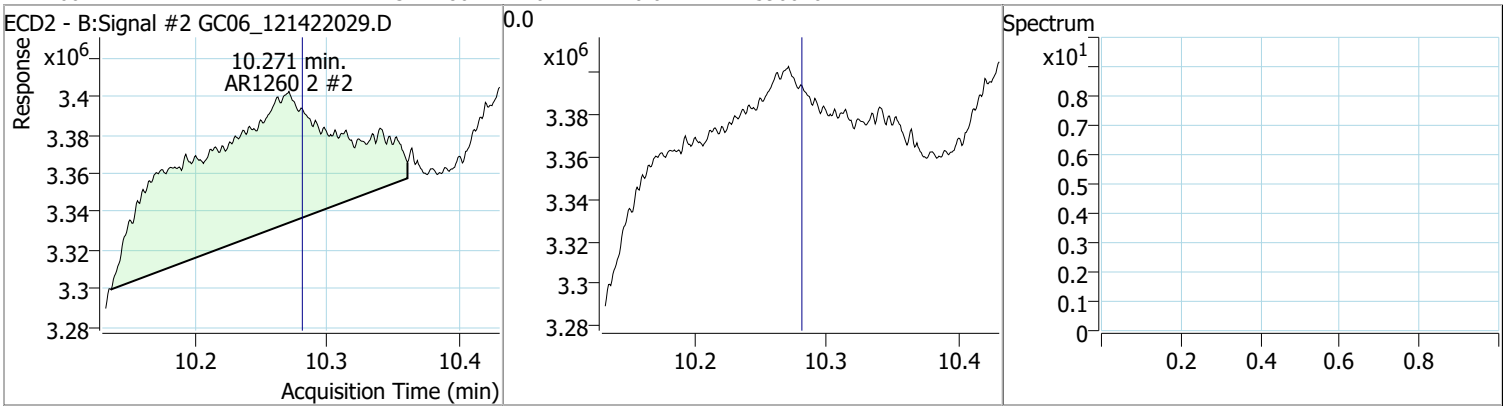
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	24.4667	10.04	0.01	348484				



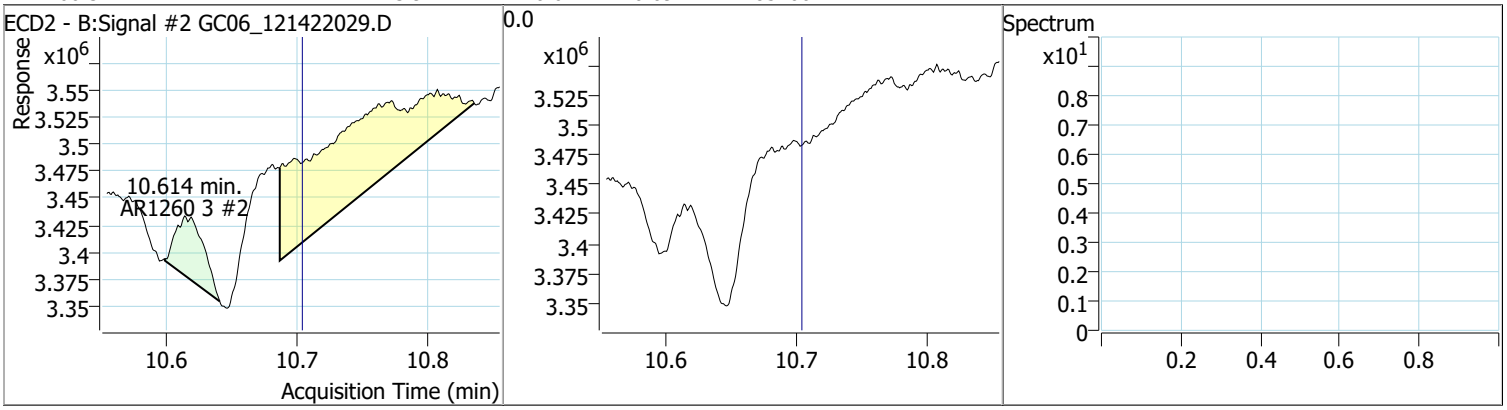
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	26.4293	10.15	-0.01	120149				



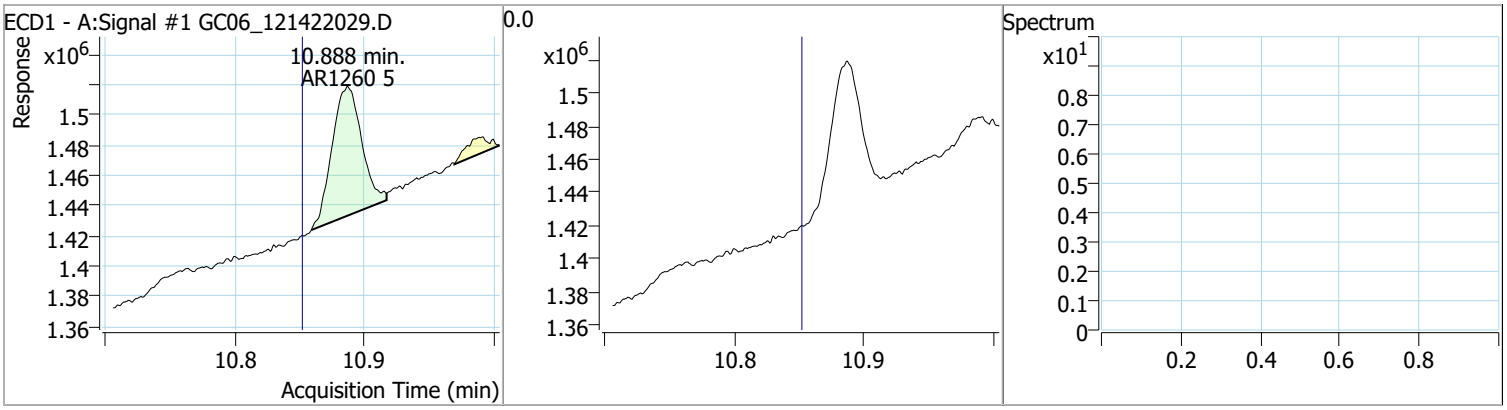
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	34.4780	10.27	-0.01	590040				



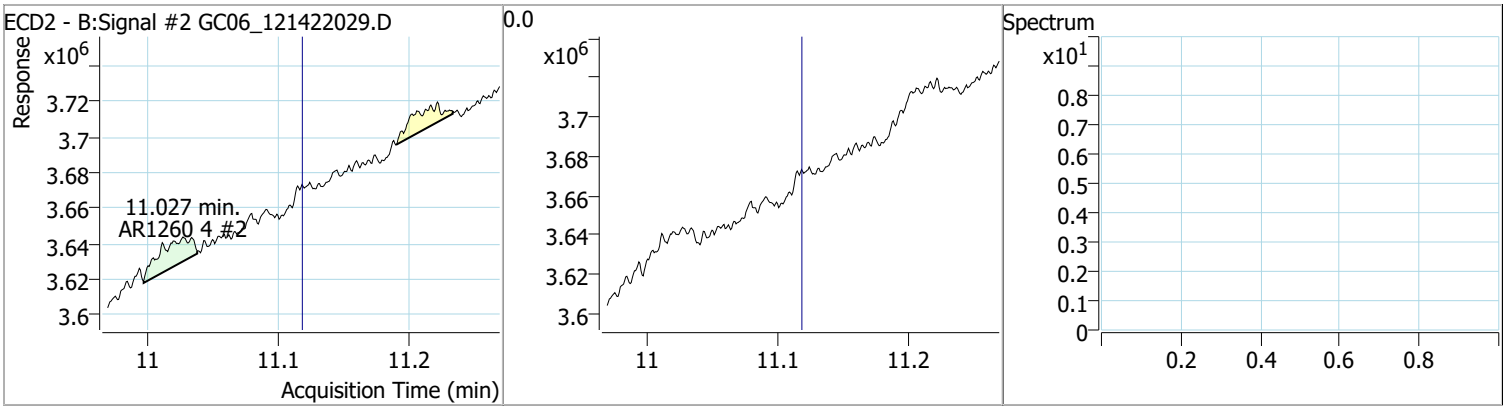
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	3.9424	10.61	-0.09	85400				



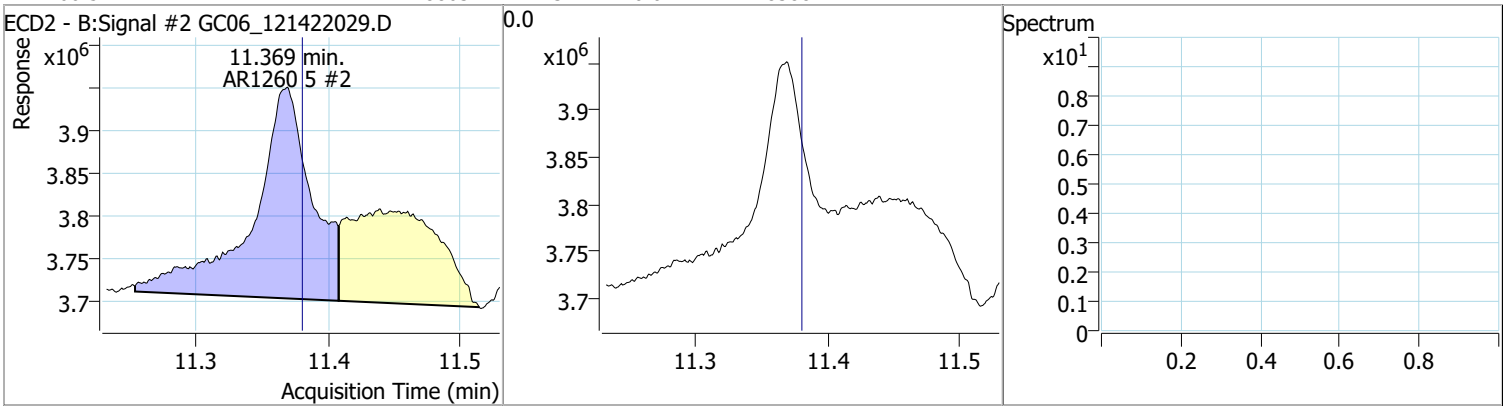
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	4.5476	10.89	0.03	136979				



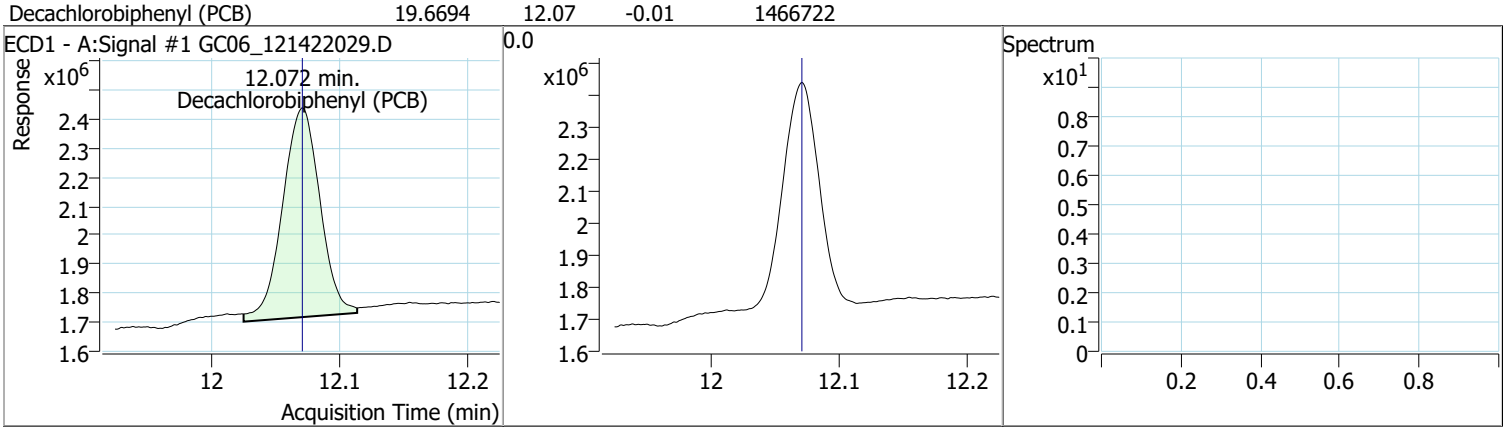
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.03	-0.09	25995				



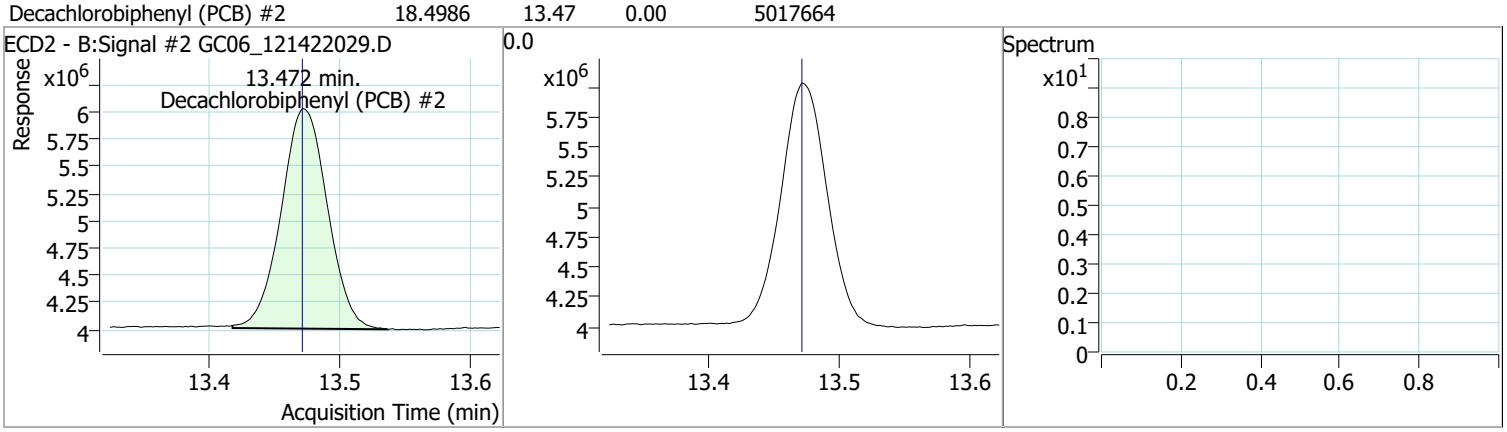
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	24.8863	11.37	-0.01	783887				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	19.6694	12.07	-0.01	1466722				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	18.4986	13.47	0.00	5017664				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474716-007	Client ID:	20221209-3CD-02
Seqnum:	452501809060	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422060	Batch:	303182	Time:	15-DEC-2022 06:06
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	67.97	~~0.68~~ FP	1.9	96%	0.50		x u
Aroclor-1016 Peak # 1	B	59.12	0.59	0.03	179%			
Aroclor-1016 Peak # 2	B	42.64	0.43	ND	258%			
Aroclor-1016 Peak # 3	B	213.5	2.14	0.77	94%			
Aroclor-1016 Peak # 4	B	1.098	0.01	2.77	198%			
Aroclor-1016 Peak # 5	B	23.45	0.23	6.10	185%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	63.62	~~0.64~~ FP	0.48	29%	0.50		x u
Aroclor-1260 Peak # 1	B	97.01	0.97	1.09	12%			
Aroclor-1260 Peak # 2	B	116.4	1.16	ND				
Aroclor-1260 Peak # 3	B	72.58	0.73	0.17	123%			
Aroclor-1260 Peak # 4	B	-11.15	ND	0.98	251%			
Aroclor-1260 Peak # 5	B	43.30	0.43	0.14	102%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	30.68	0.5000	0.3068	61	19-121	u
Decachlorobiphenyl (PCB)	B	30.56	0.5000	0.3056	61	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422036)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5560467	5081189	-8.62
1-bromo-2-nitrobenzene (PCB)	A	1170615	1124191	-3.97

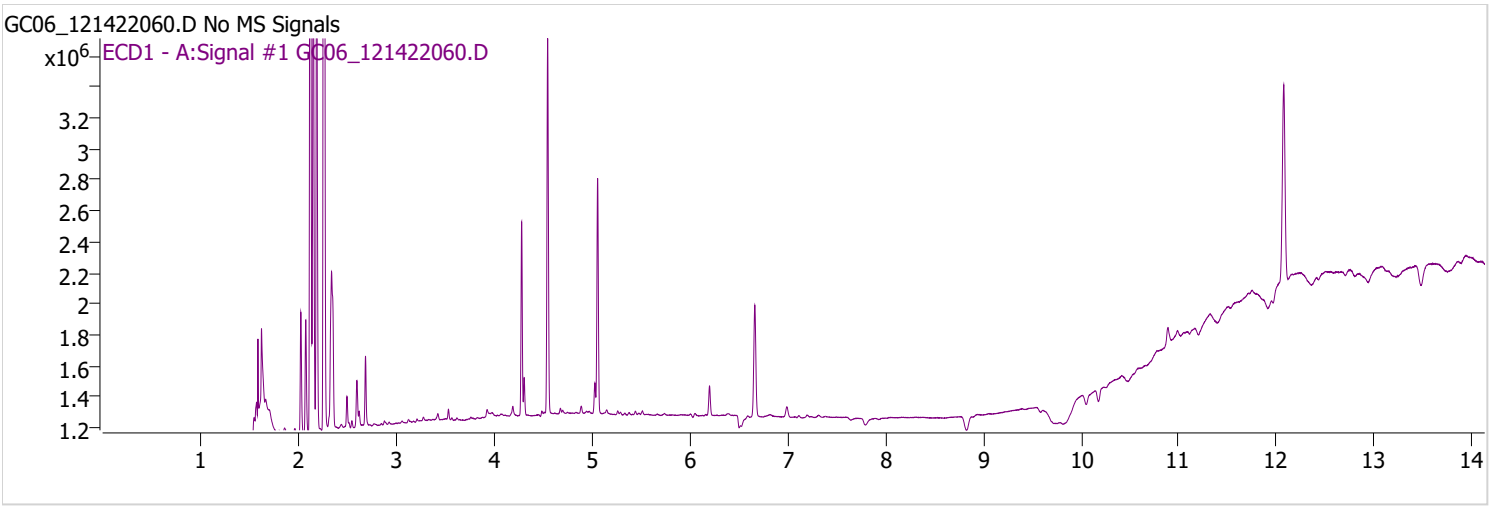
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

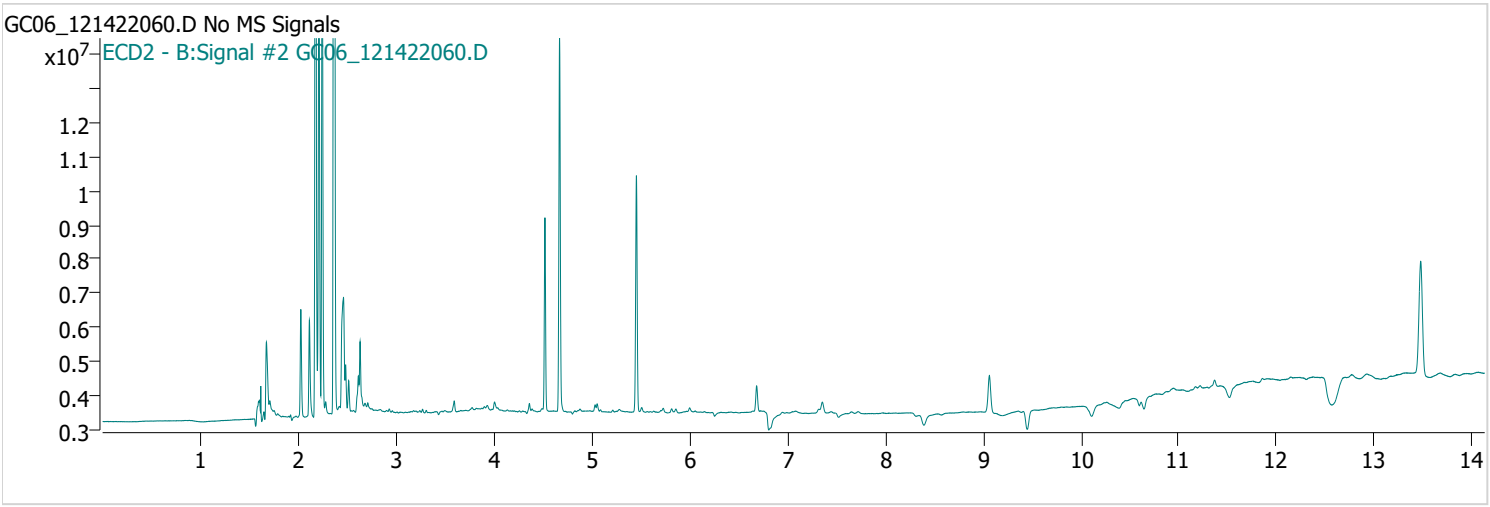
ISTD (CCV gc06_121422036)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

Analyst: MES 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422060.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 6:06:22 AM
Sample Name	474716-007, 303182, 1	Instrument	SVOA-GC06
Vial	43	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



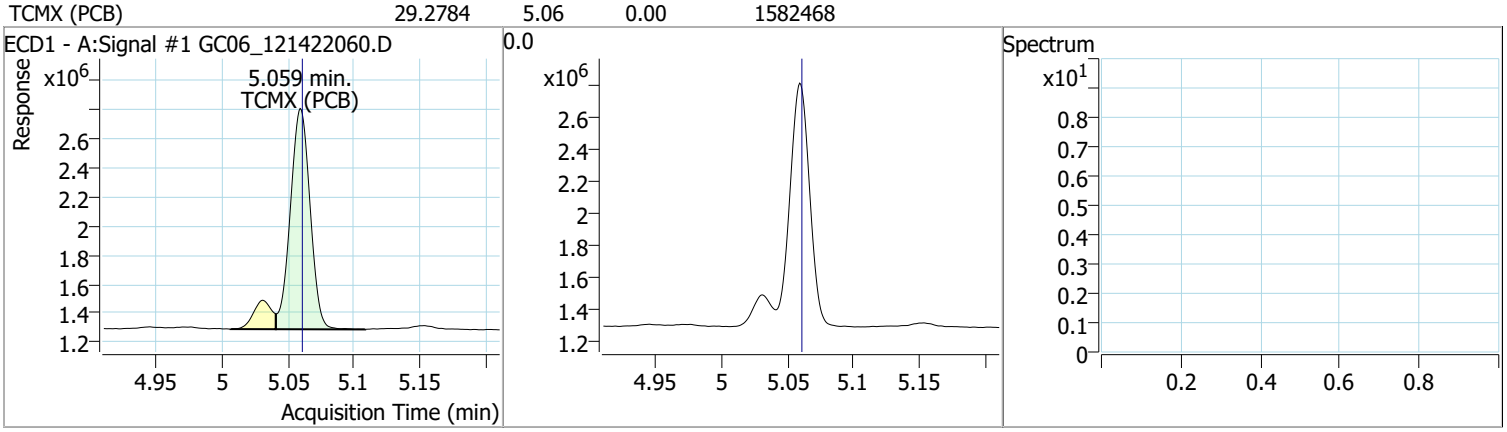


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.283	0.0	1124190.704	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.521	0.0	5081189.220	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB)	5.059	0.0	1582467.790	29.2784	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 146.39%			
S TCMX (PCB) #2	5.456	0.0	7487815.312	30.6850	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 153.43%		*	
S Decachlorobiphenyl (PCB)	12.073	0.0	2715394.220	35.5304	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 177.65%		*	
S Decachlorobiphenyl (PCB) #2	13.472	0.0	8445511.119	30.5645	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 152.82%		*	
Target Compounds							QValue

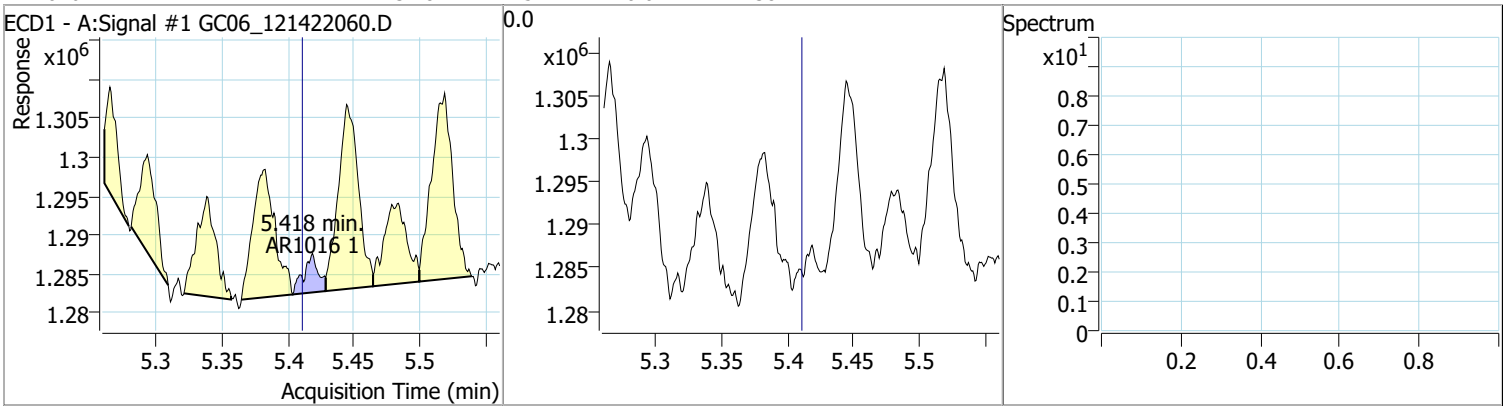
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.418	0.0	3870.817	3.2842	ng/ml	100
T AR1016 2	5.744	0.0	23494.167	0.0000	ng/ml	100
T AR1016 1 #2	5.999	0.0	312216.942	59.1209	ng/ml	100
T AR1016 3	6.203	0.0	230031.680	76.9771	ng/ml	100
T AR1016 4	6.392	0.0	629666.217	277.0448	ng/ml	100
T AR1016 2 #2	6.424	0.0	325091.515	42.6442	ng/ml	100
T AR1016 5	6.666	0.0	1117212.662	610.2861	ng/ml	100
T AR1016 3 #2	7.080	0.0	2957782.891	213.5323	ng/ml	100
T AR1016 4 #2	7.182	0.0	10862.709	1.0985	ng/ml	100
T AR1016 5 #2	7.322	0.0	188500.650	23.4509	ng/ml	100
T AR1260 1	8.763	0.0	414497.445	109.0521	ng/ml	100
T AR1260 2	0.000		0	N.D.		
T AR1260 3	9.611	0.0	105002.873	17.3409	ng/ml	100
T AR1260 1 #2	10.020	0.0	1467033.798	97.0161	ng/ml	100
T AR1260 4	10.145	0.0	363634.568	98.2588	ng/ml	100
T AR1260 2 #2	10.265	0.0	2114397.192	116.3746	ng/ml	100
T AR1260 3 #2	10.766	0.0	1669242.938	72.5826	ng/ml	100
T AR1260 5	10.889	0.0	216979.535	14.0883	ng/ml	100
T AR1260 4 #2	11.170	0.0	157870.549	0.0000	ng/ml	100
T AR1260 5 #2	11.365	0.0	1184241.537	43.3045	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

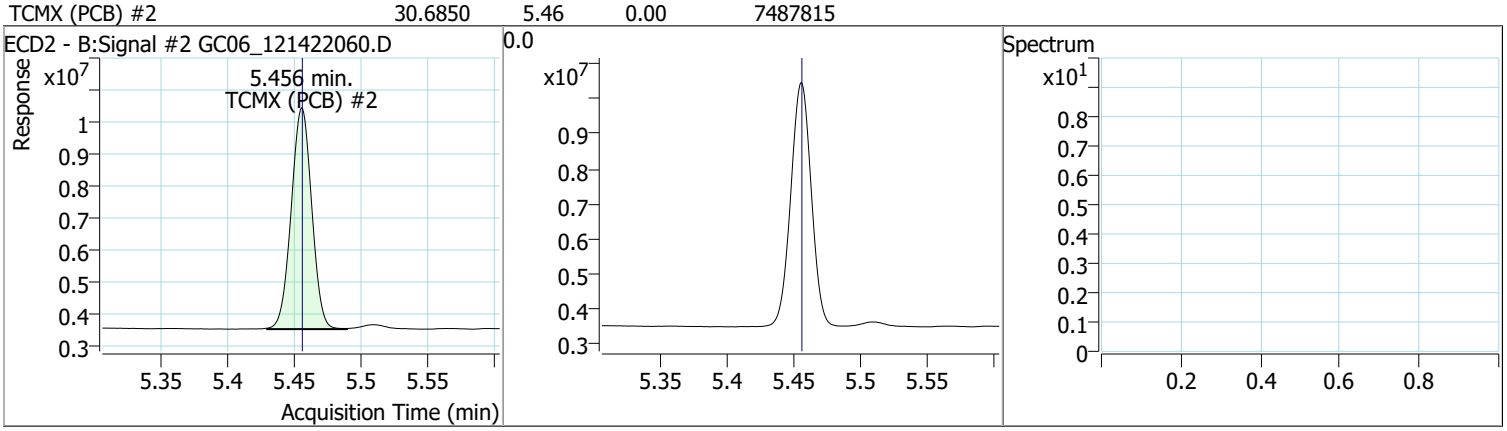
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	29.2784	5.06	0.00	1582468				



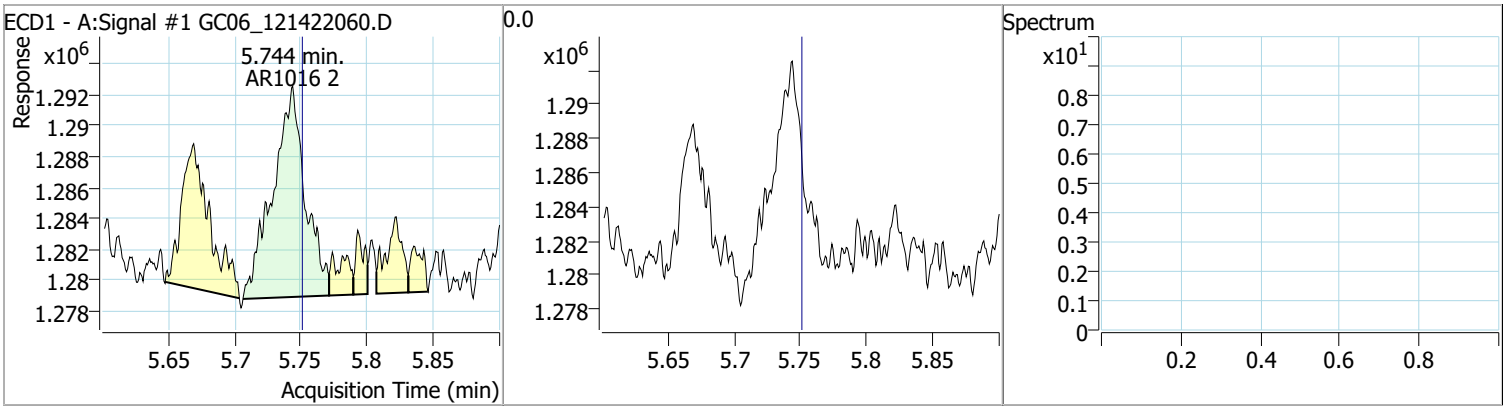
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	3.2842	5.42	0.01	3871				



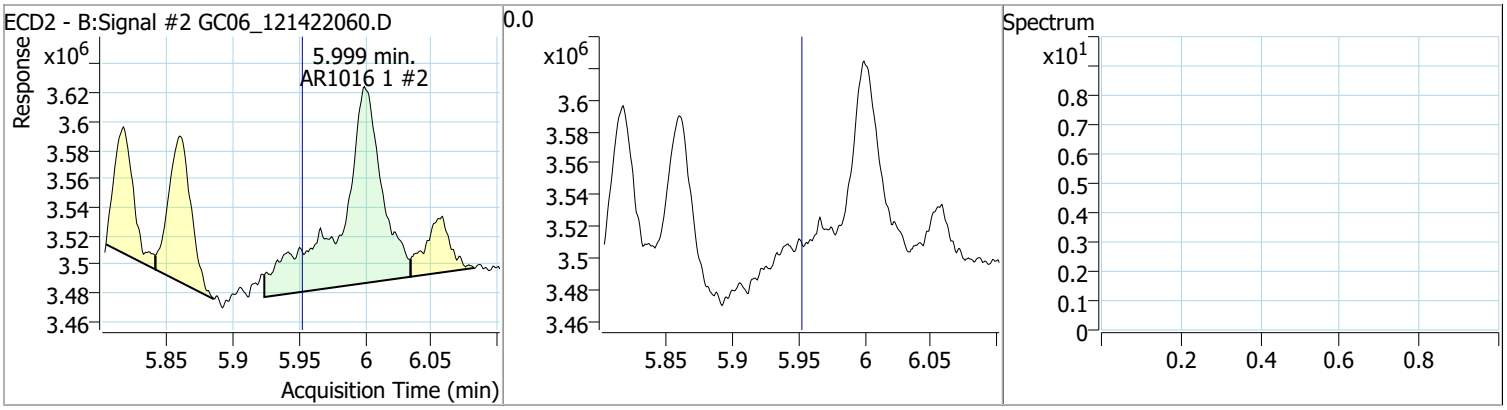
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	30.6850	5.46	0.00	7487815				



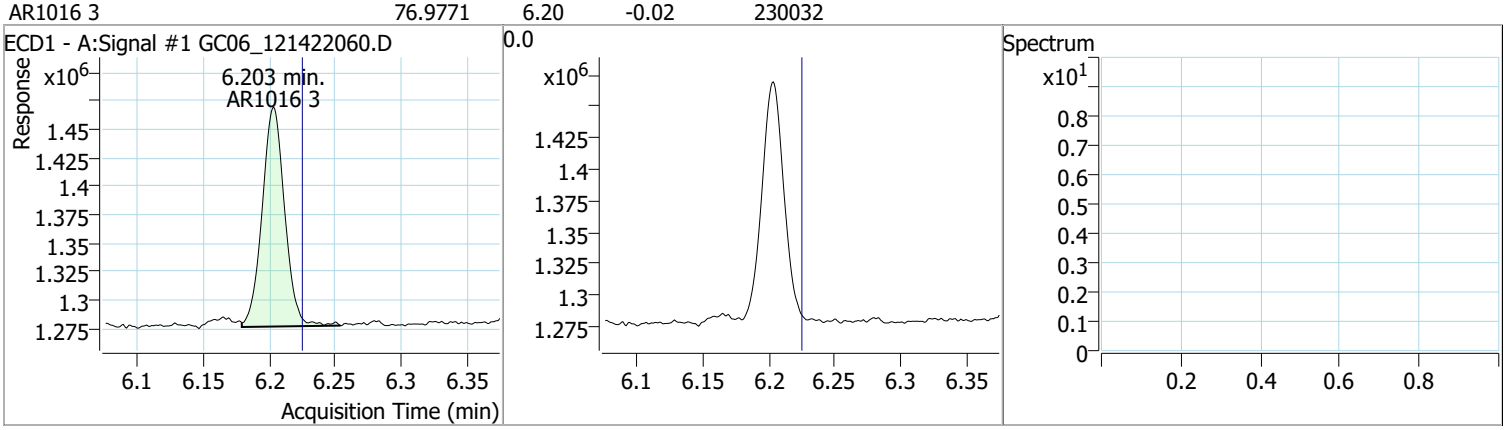
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.74	-0.01	23494				



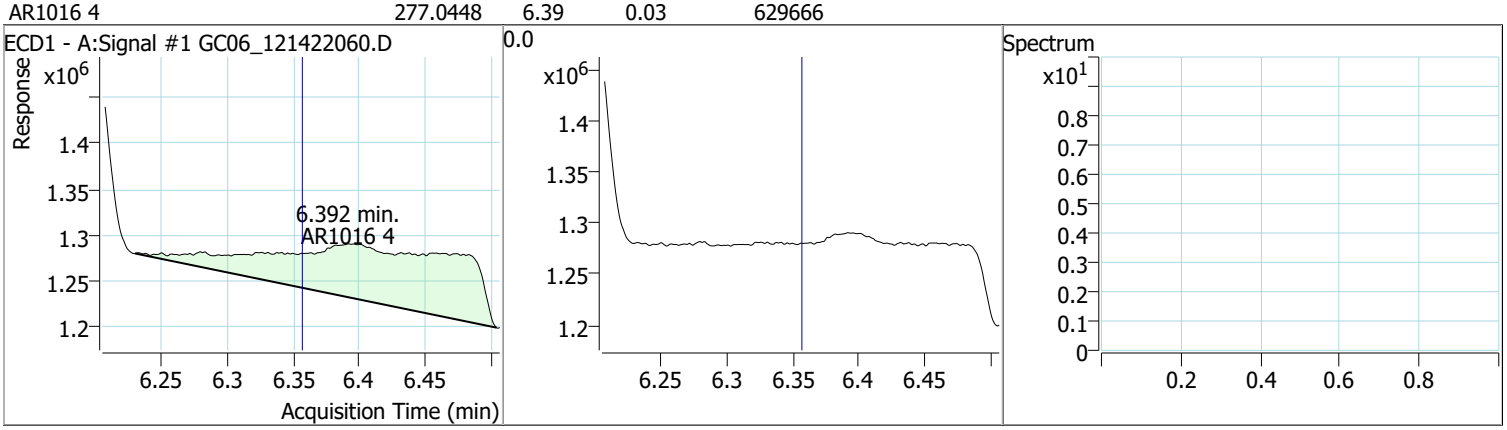
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	59.1209	6.00	0.05	312217				



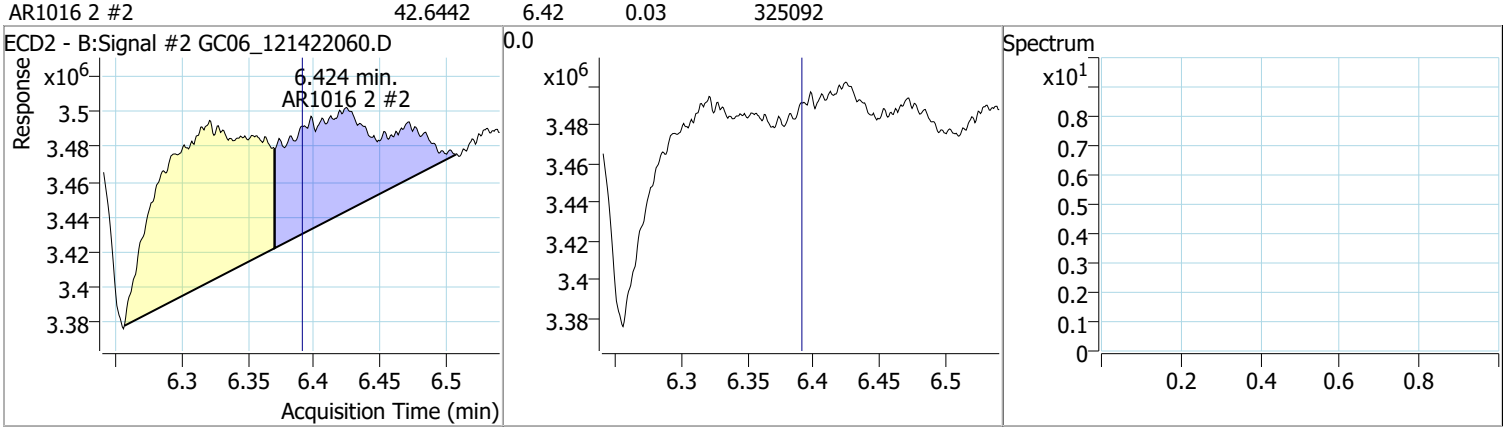
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	76.9771	6.20	-0.02	230032				



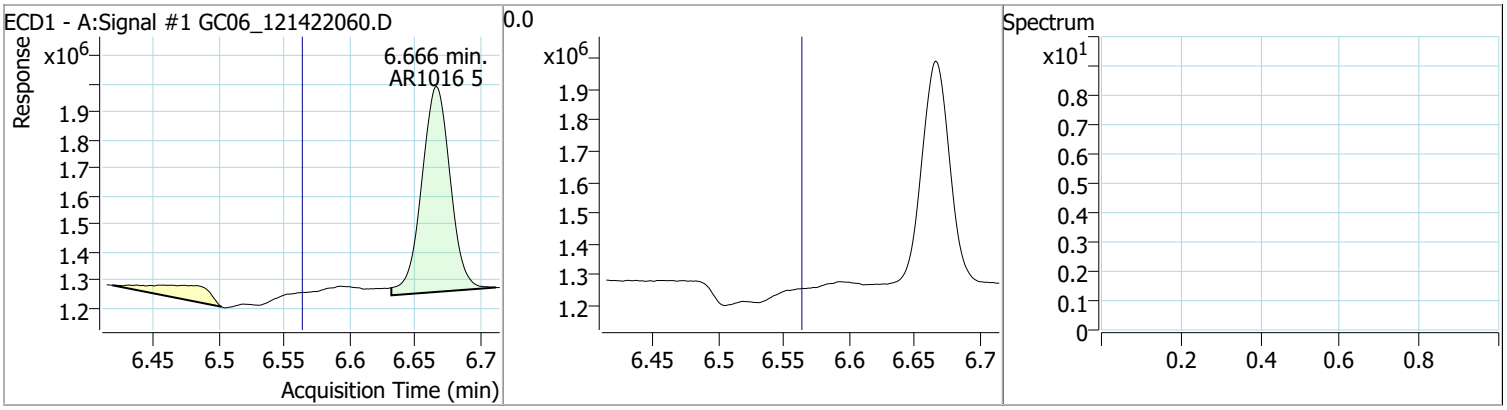
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	277.0448	6.39	0.03	629666				



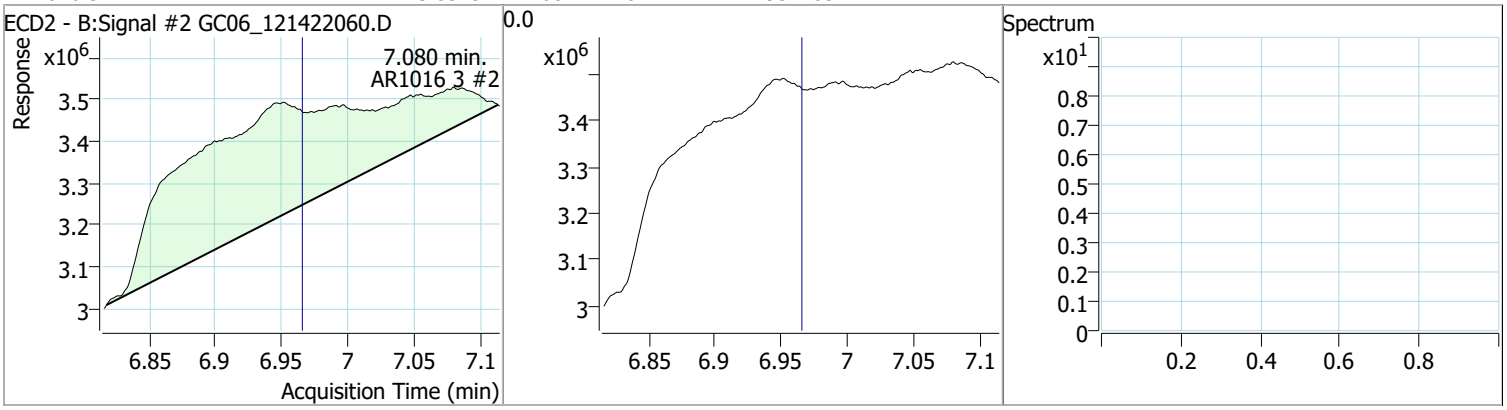
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	42.6442	6.42	0.03	325092				



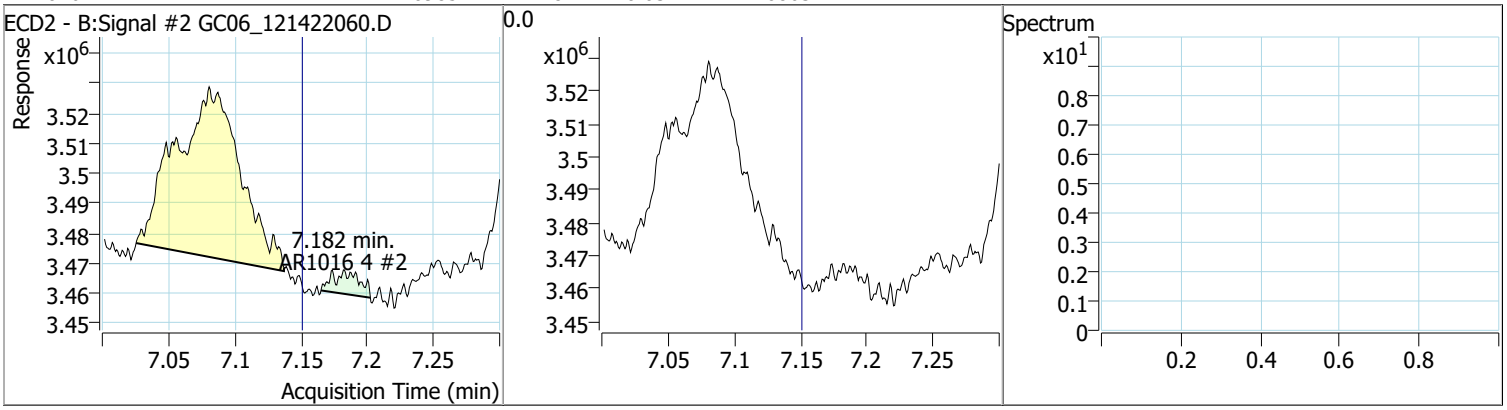
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	610.2861	6.67	0.10	1117213				



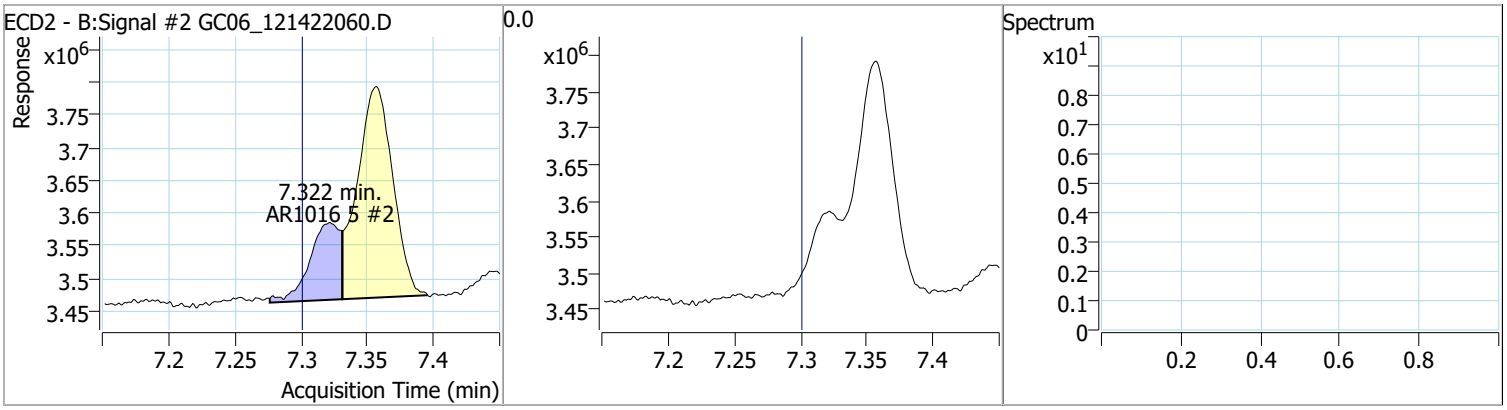
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	213.5323	7.08	0.11	2957783				



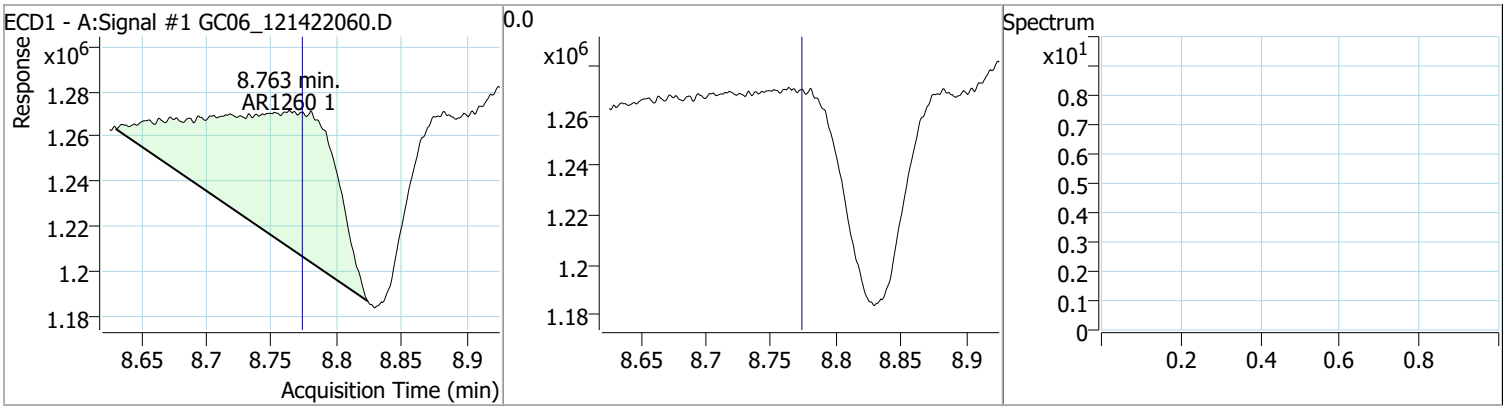
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.0985	7.18	0.03	10863				



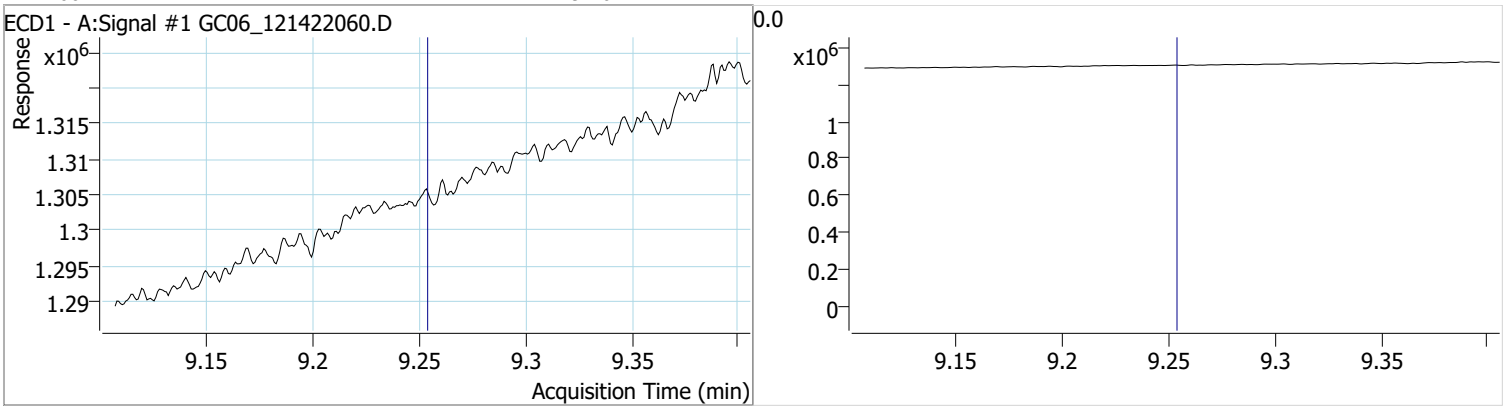
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	23.4509	7.32	0.02	188501				



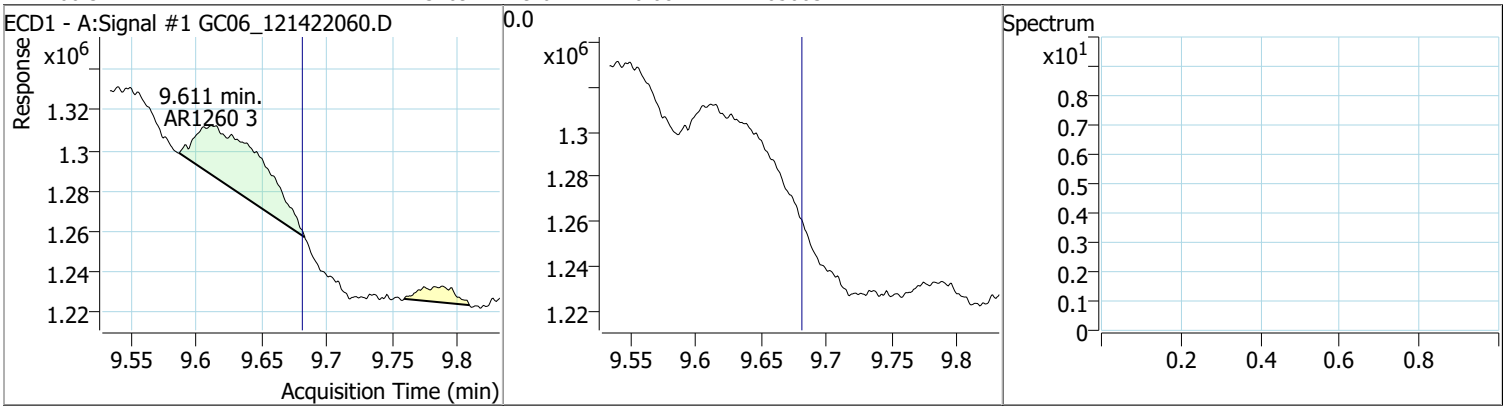
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	109.0521	8.76	-0.01	414497				



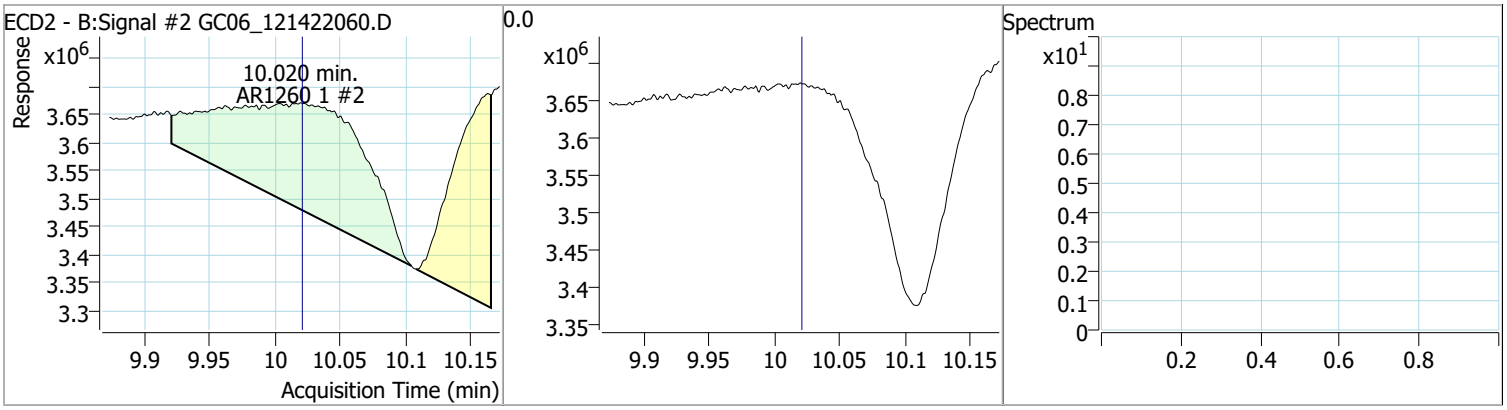
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 2	N.D.	9.26		



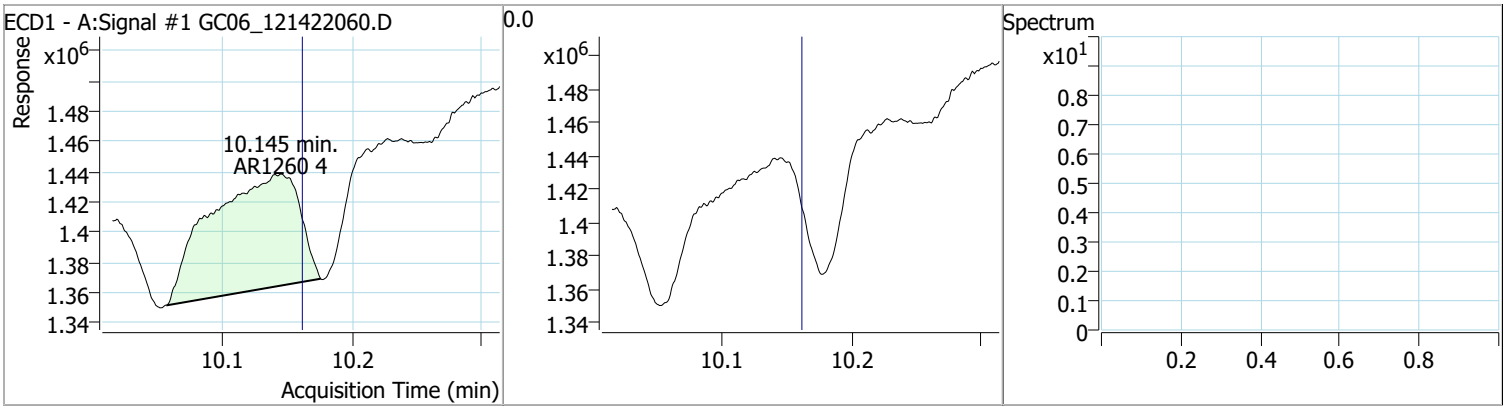
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	17.3409	9.61	-0.08	105003				



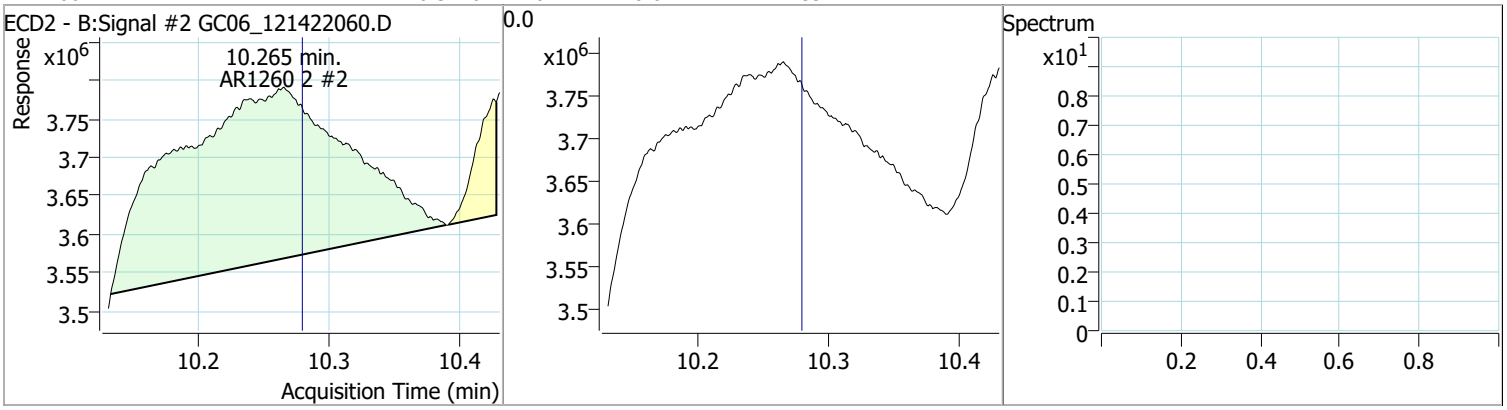
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	97.0161	10.02	-0.01	1467034				



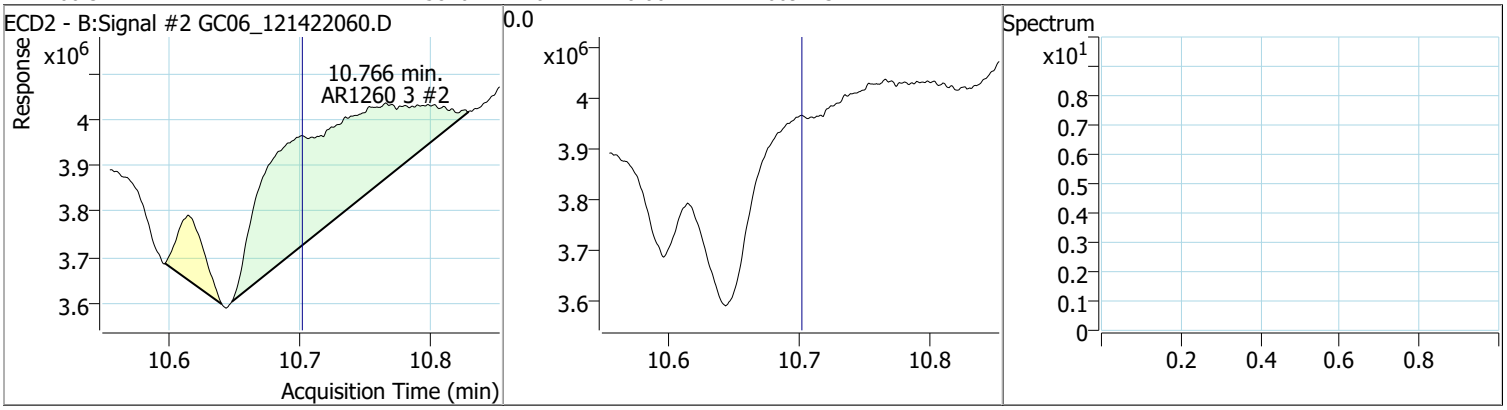
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	98.2588	10.15	-0.02	363635				



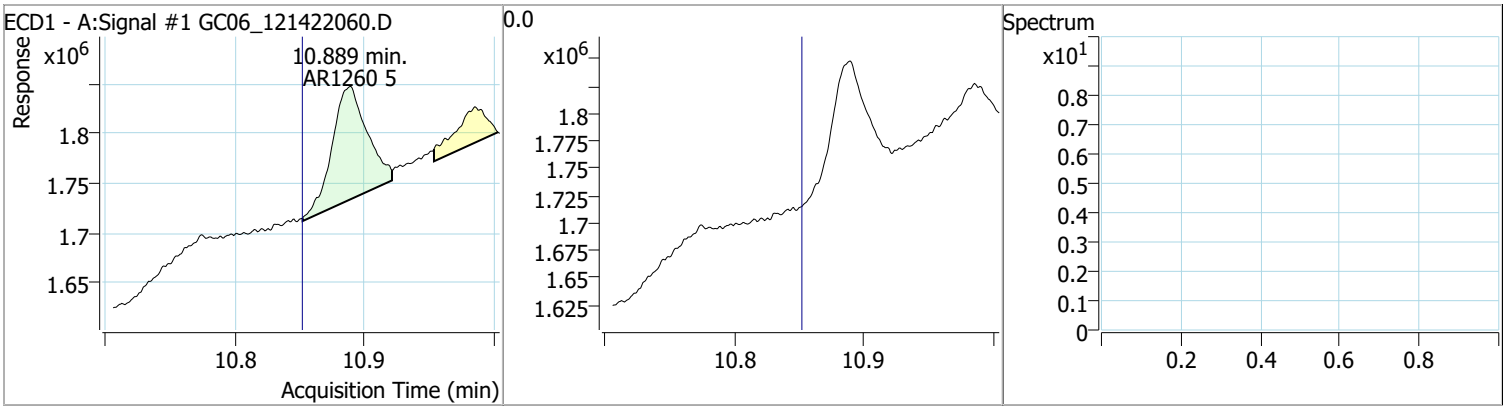
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	116.3746	10.27	-0.02	2114397				



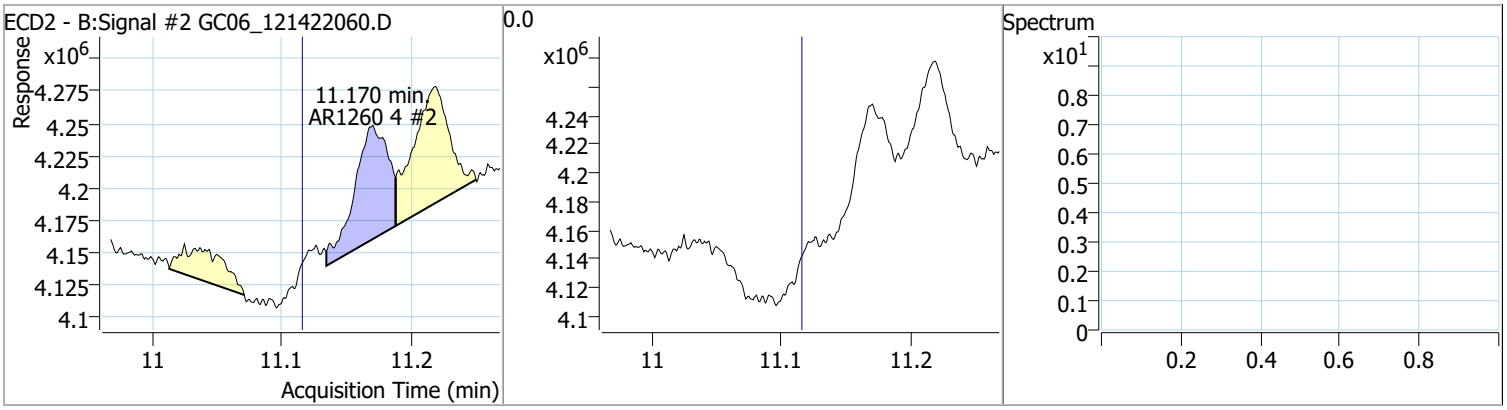
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	72.5826	10.77	0.06	1669243				



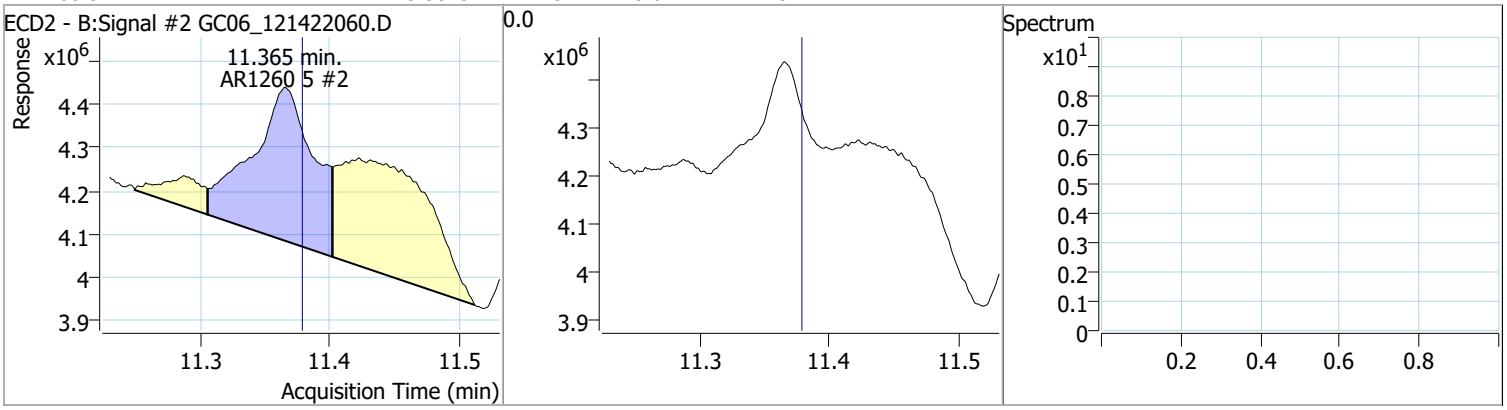
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	14.0883	10.89	0.03	216980				



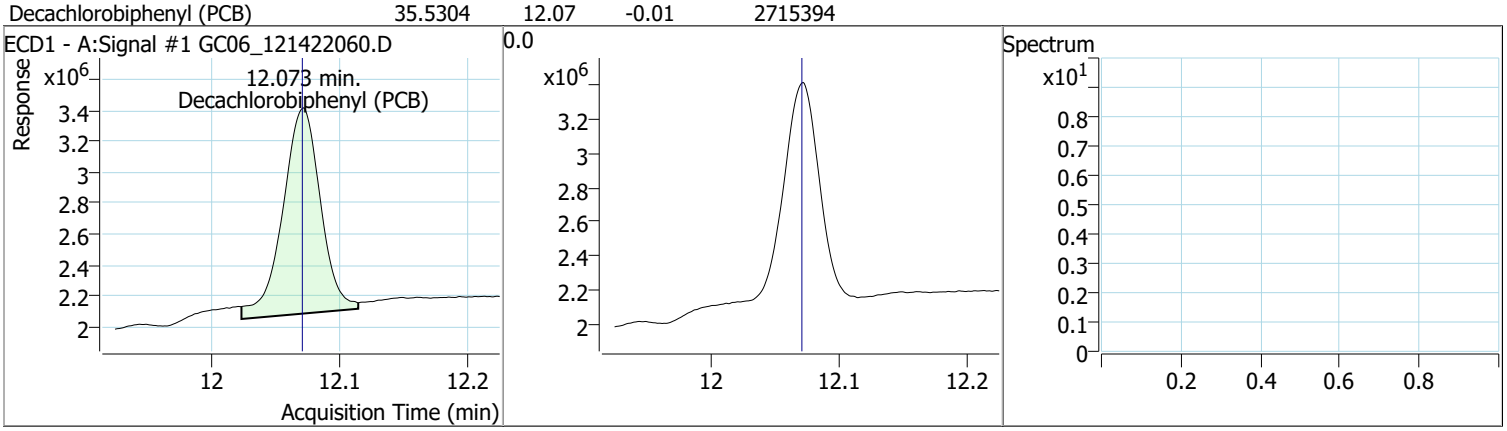
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.17	0.05	157871				



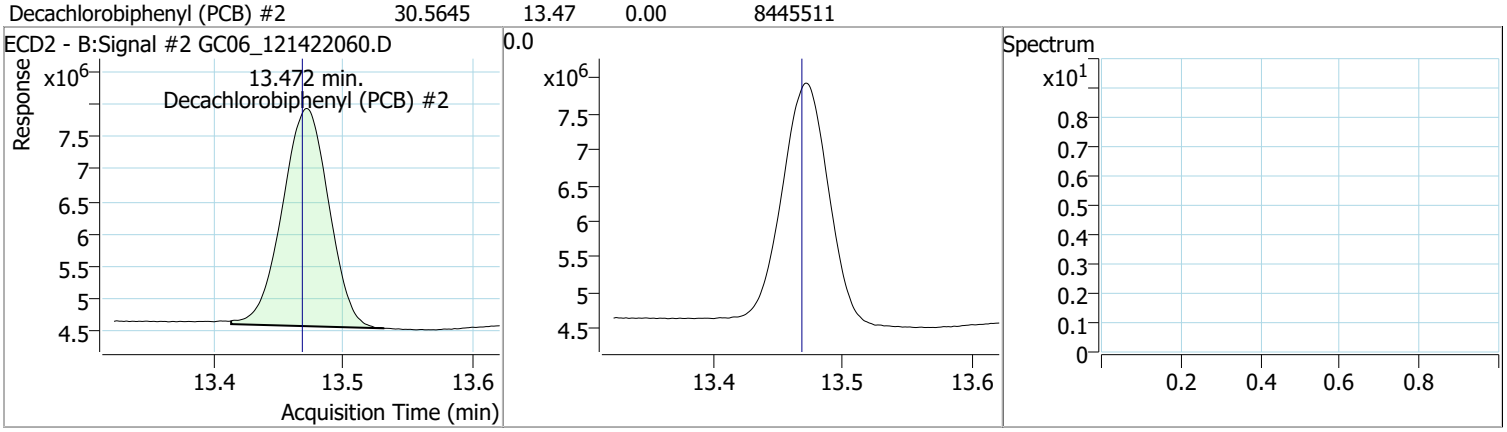
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	43.3045	11.37	-0.02	1184242				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	35.5304	12.07	-0.01	2715394				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	30.5645	13.47	0.00	8445511				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474716-008	Client ID:	20221209-3CD-02-DUP
Seqnum:	452501809030	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422030	Batch:	303181	Time:	14-DEC-2022 20:56
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	9.096	ND	1.7	162%	0.50		u
Aroclor-1016 Peak # 1	B	21.28	0.43	0.27	45%			
Aroclor-1016 Peak # 2	B	0.2563	0.01	ND	-214%			
Aroclor-1016 Peak # 3	B	23.22	0.46	0.79	52%			
Aroclor-1016 Peak # 4	B	0.4040	0.01	0.01	33%			
Aroclor-1016 Peak # 5	B	0.3228	0.01	7.82	200%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	13.50	ND	0.23	16%	0.50		u
Aroclor-1260 Peak # 1	B	26.23	0.52	0.79	40%			
Aroclor-1260 Peak # 2	B	45.47	0.91	0.01	197%			
Aroclor-1260 Peak # 3	B	3.352	0.07	0.01	154%			
Aroclor-1260 Peak # 4	B	-21.67	ND	0.44	49906%			
Aroclor-1260 Peak # 5	B	14.14	0.28	ND	371%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	17.08	0.5000	0.3416	68	52-121	u
Decachlorobiphenyl (PCB)	B	14.52	0.5000	0.2905	58	50-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5307613	4866780	-8.31
1-bromo-2-nitrobenzene (PCB)	A	1103956	1051433	-4.76

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

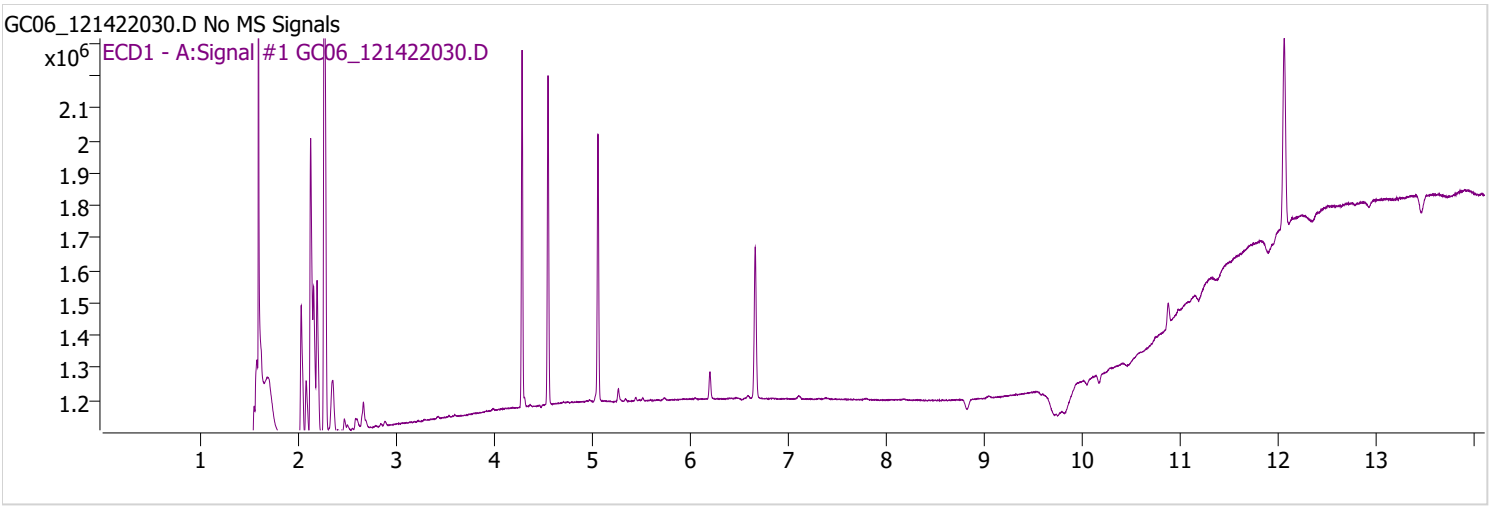
ISTD (CCV gc06_121422004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

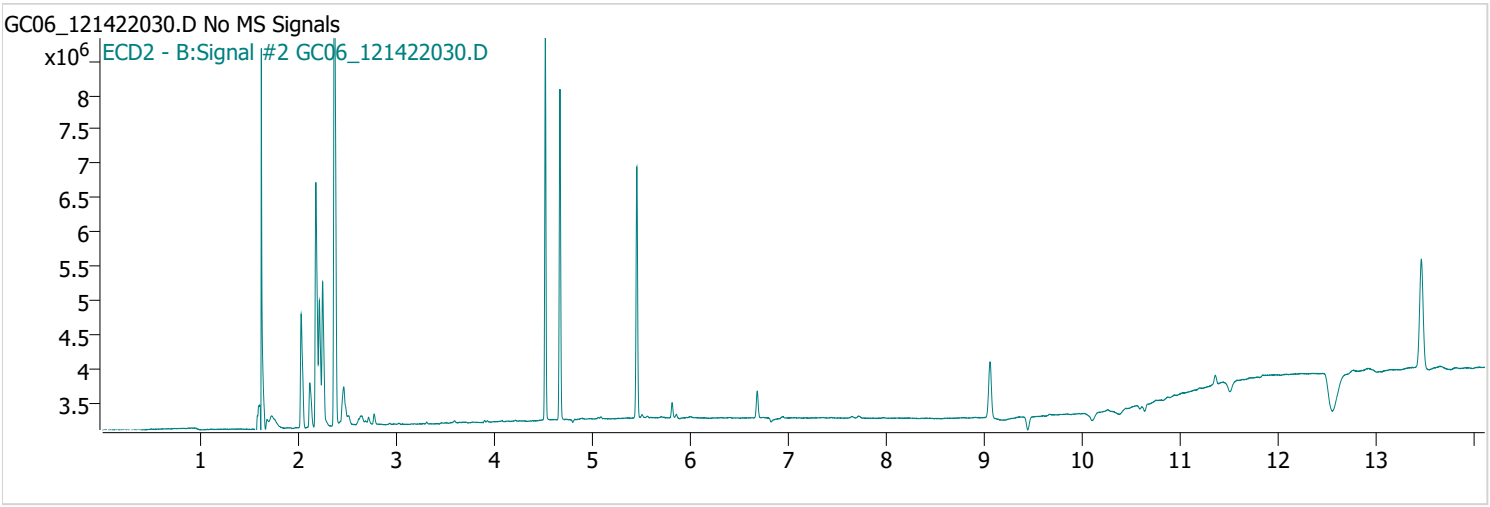
Analyst: MES 12/15/22

Reviewer: LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422030.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 8:56:12 PM
Sample Name	474716-008, 303181, 1	Instrument	SVOA-GC06
Vial	19	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



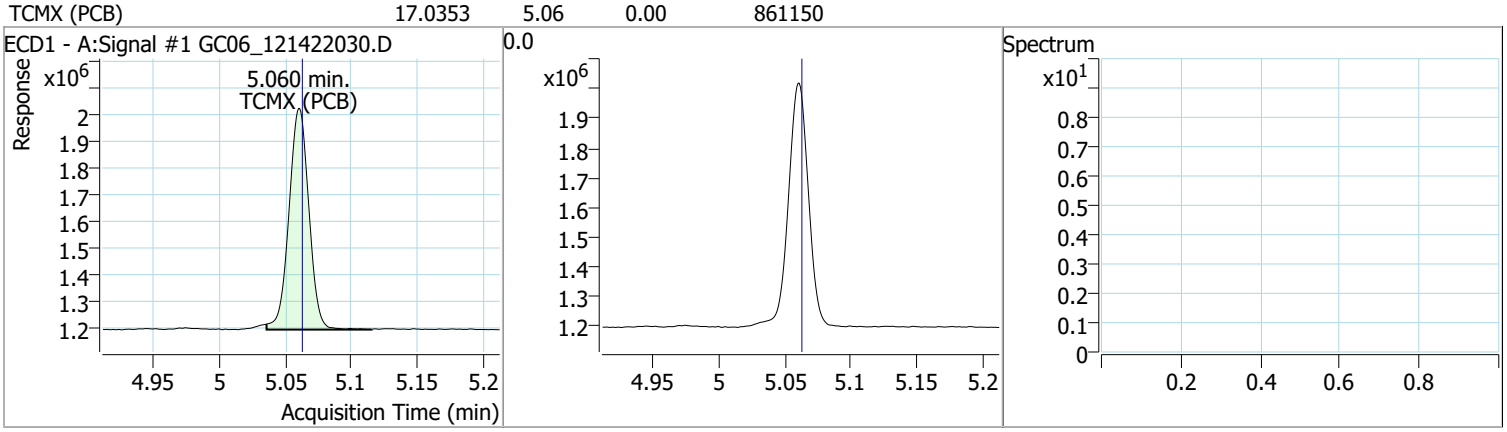


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.285	0.0	1051433.064	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.523	0.0	4866779.789	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.060	0.0	861149.726	17.0353	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 85.18%		
S TCMX (PCB) #2	5.458	0.0	3992631.894	17.0826	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 85.41%		
S Decachlorobiphenyl (PCB)	12.070	0.0	1208385.662	14.6400	ng/ml	-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 73.20%		
S Decachlorobiphenyl (PCB) #2	13.470	0.0	4118256.805	14.5233	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 72.62%		
Target Compounds						**QValue**
T AR1016 1	5.448	0.0	14842.138	13.4641	ng/ml	100

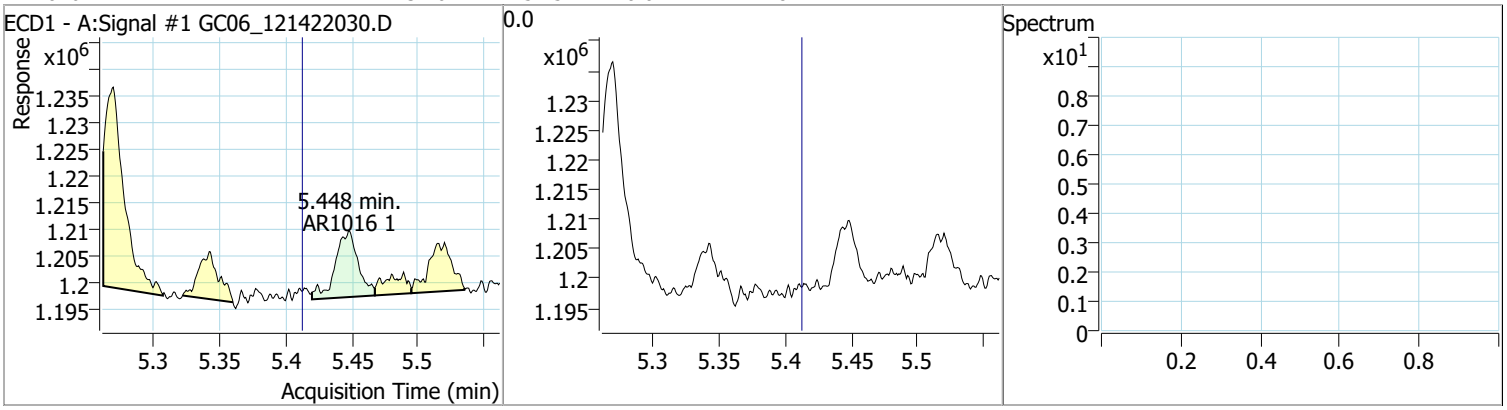
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.742	0.0	16630.796	0.0000	ng/ml	100
T AR1016 1 #2	6.006	0.0	107623.412	21.2772	ng/ml	100
T AR1016 3	6.205	0.0	110978.182	39.7073	ng/ml	100
T AR1016 4	6.359	0.0	612.496	0.2881	ng/ml	100
T AR1016 2 #2	6.383	0.0	1871.236	0.2563	ng/ml	100
T AR1016 5	6.667	0.0	669579.921	391.0735	ng/ml	100
T AR1016 3 #2	6.953	0.0	308062.132	23.2198	ng/ml	100
T AR1016 4 #2	7.160	0.0	3826.220	0.4040	ng/ml	100
T AR1016 5 #2	7.303	0.0	2485.541	0.3228	ng/ml	100
T AR1260 1	8.752	0.0	139744.997	39.3103	ng/ml	100
T AR1260 2	9.338	0.0	2153.567	0.3975	ng/ml	100
T AR1260 3	9.741	0.0	2441.820	0.4312	ng/ml	100
T AR1260 1 #2	10.028	0.0	379864.275	26.2274	ng/ml	100
T AR1260 4	10.143	0.0	111521.673	21.8425	ng/ml	100
T AR1260 2 #2	10.268	0.0	791218.636	45.4665	ng/ml	100
T AR1260 3 #2	10.613	0.0	73841.295	3.3522	ng/ml	100
T AR1260 5	10.885	0.0	87418.804	0.0000	ng/ml	100
T AR1260 4 #2	11.208	0.0	23992.751	0.0000	ng/ml	100
T AR1260 5 #2	11.367	0.0	600487.632	14.1451	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

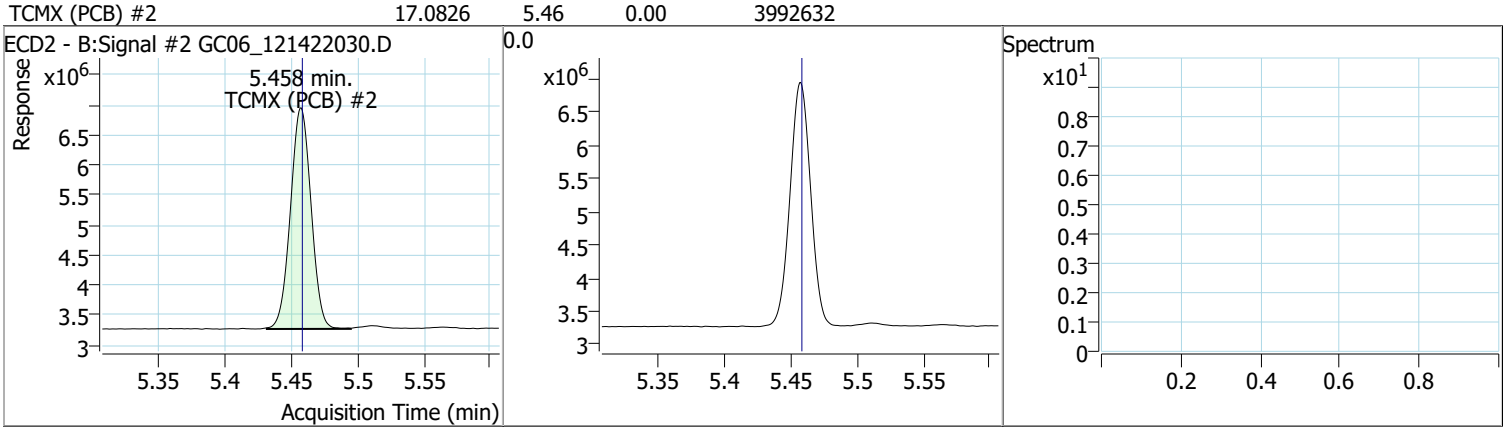
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	17.0353	5.06	0.00	861150				



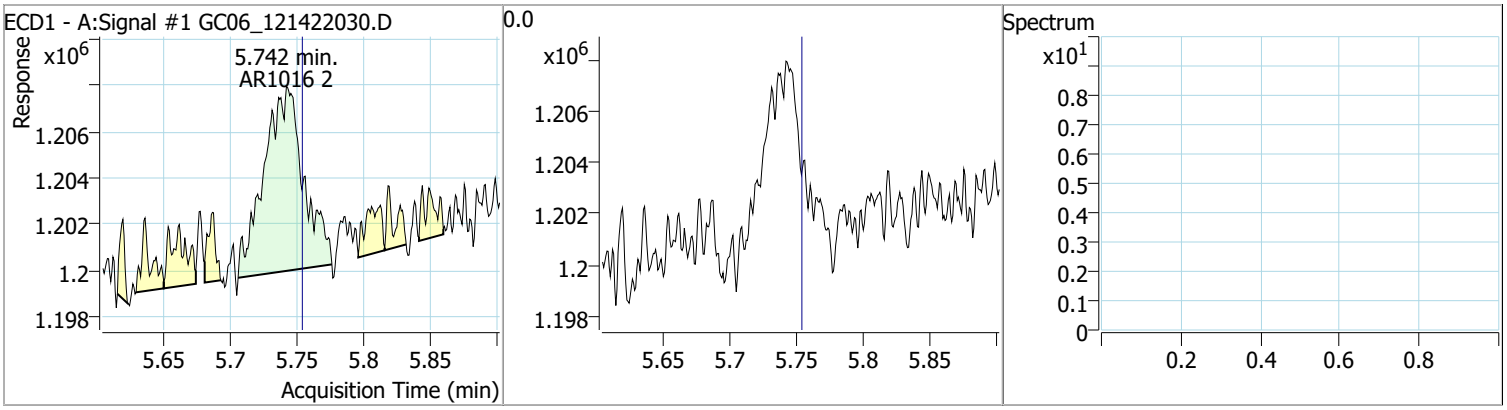
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	13.4641	5.45	0.04	14842				



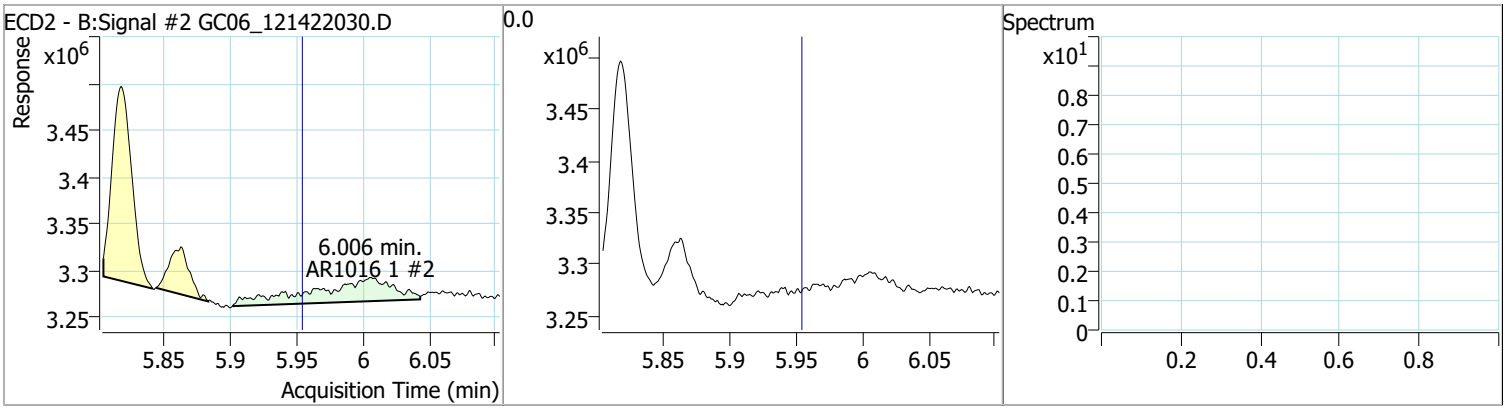
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	17.0826	5.46	0.00	3992632				



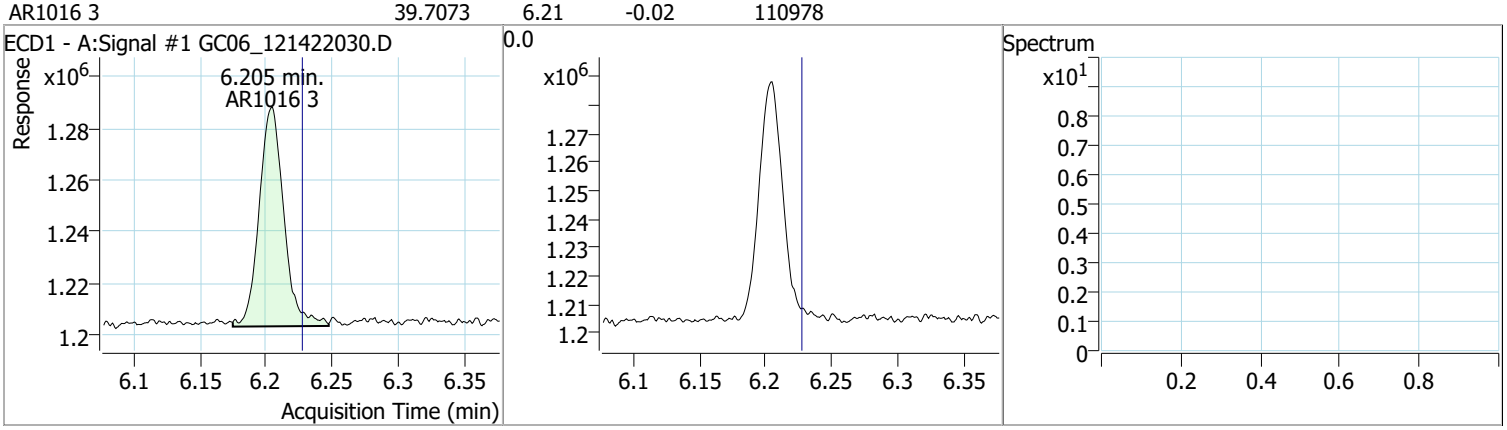
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.74	-0.01	16631				



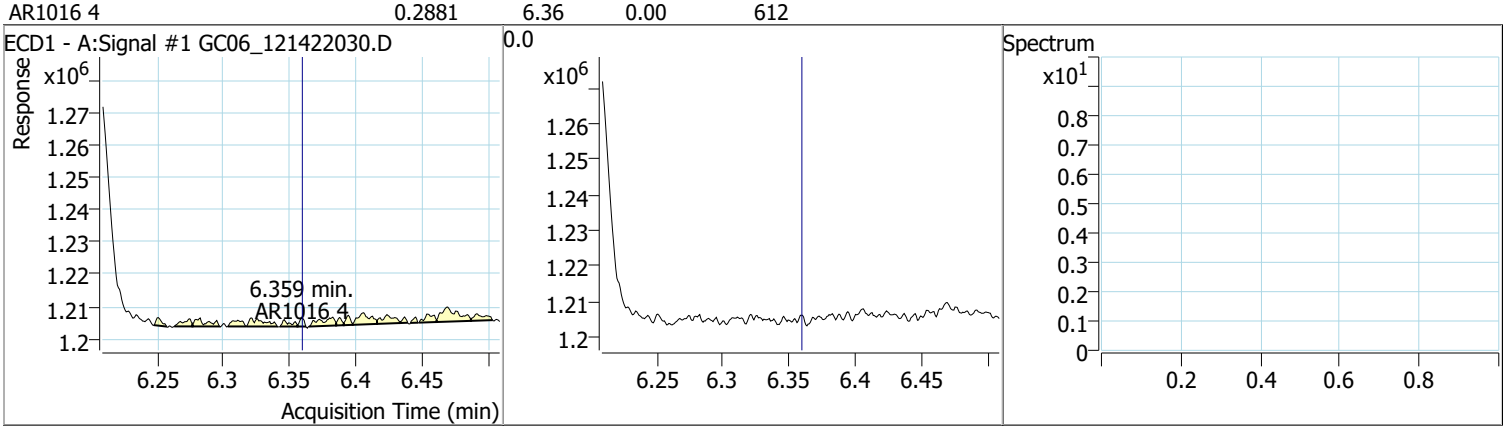
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	21.2772	6.01	0.05	107623				



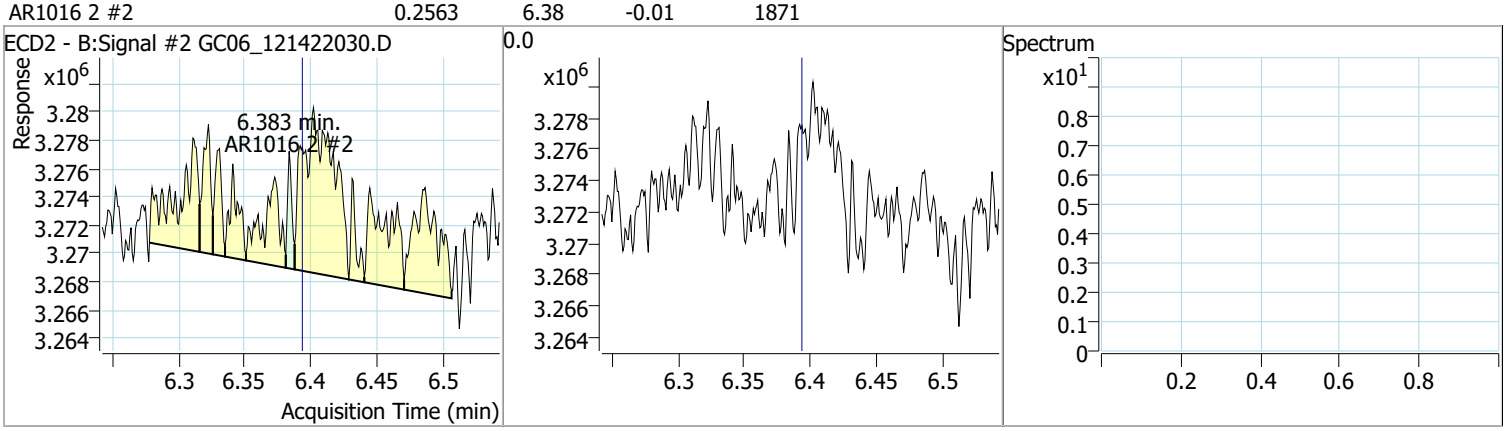
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	39.7073	6.21	-0.02	110978				



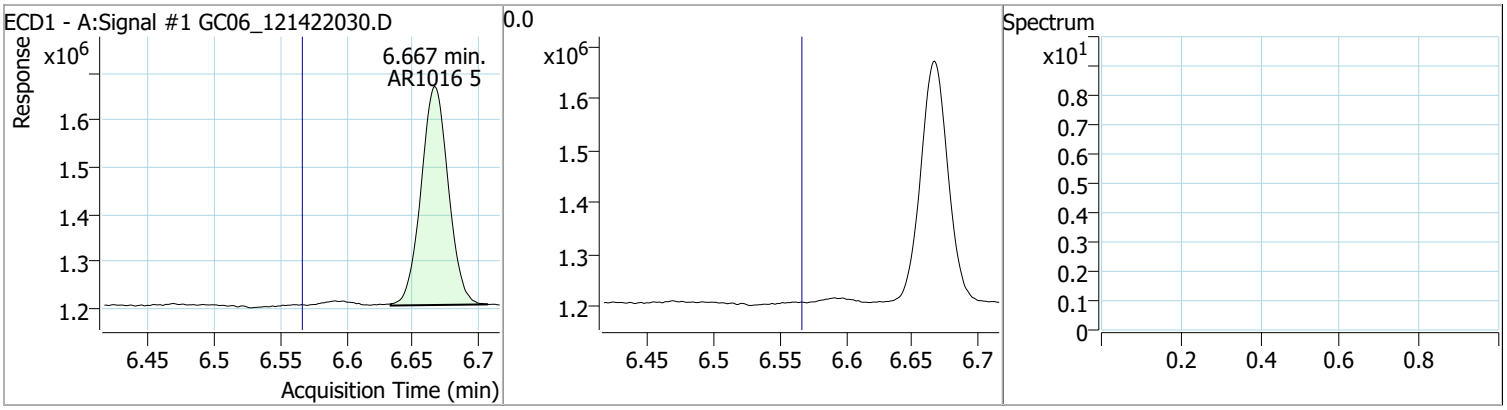
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.2881	6.36	0.00	612				



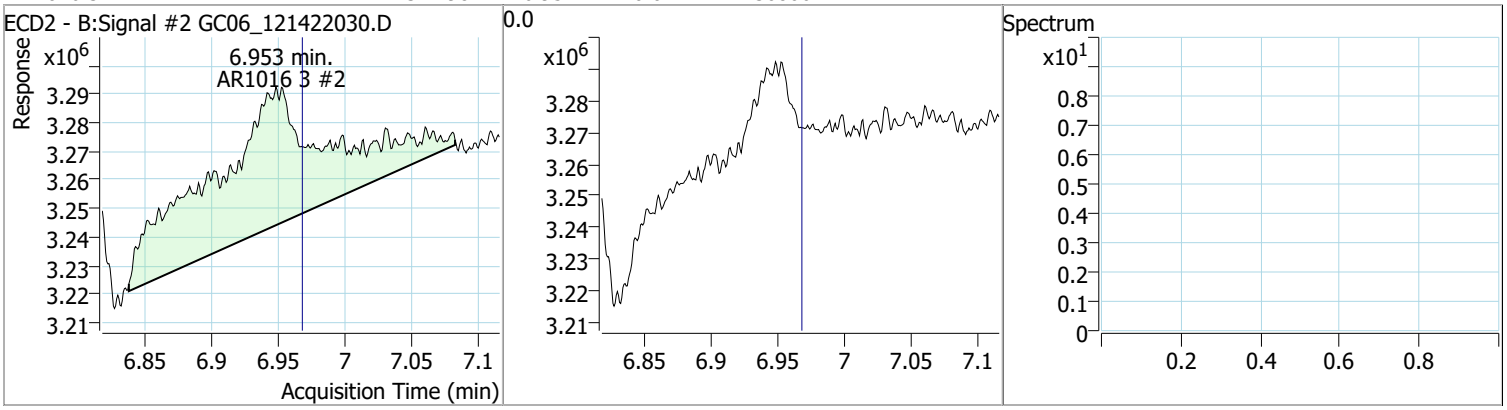
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	0.2563	6.38	-0.01	1871				



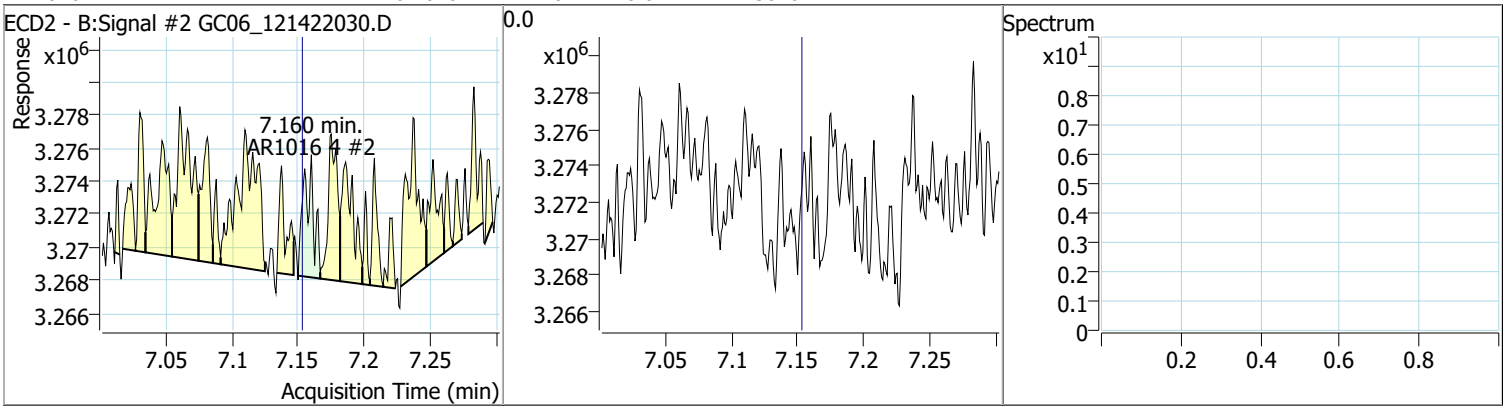
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	391.0735	6.67	0.10	669580				



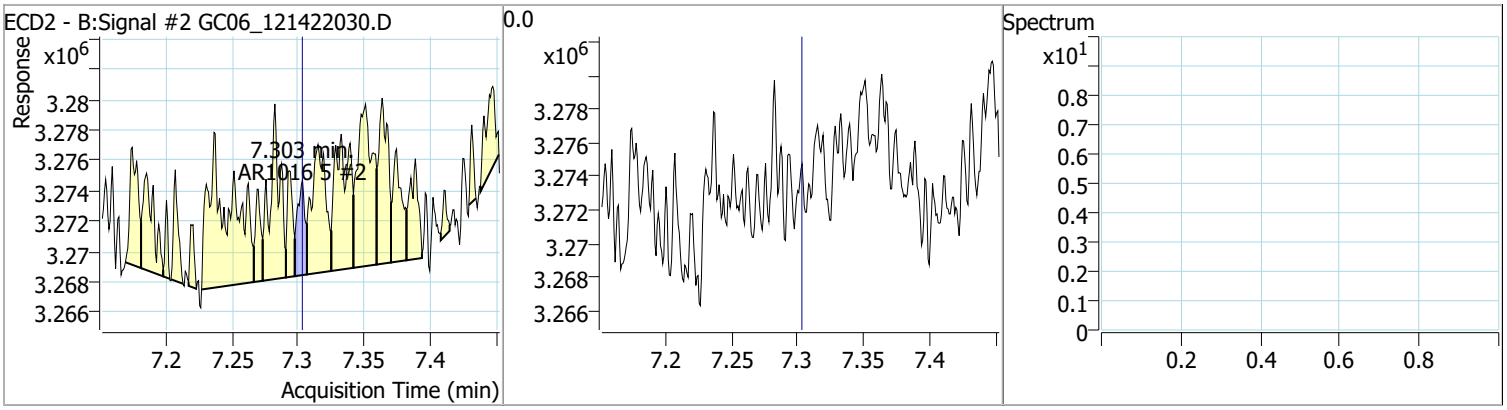
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	23.2198	6.95	-0.02	308062				



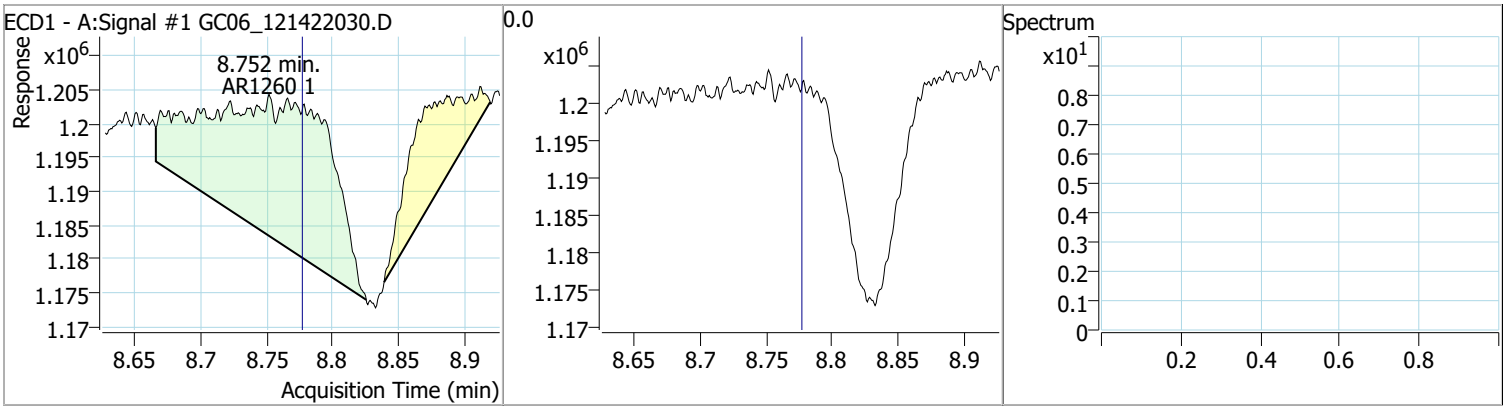
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.4040	7.16	0.01	3826				



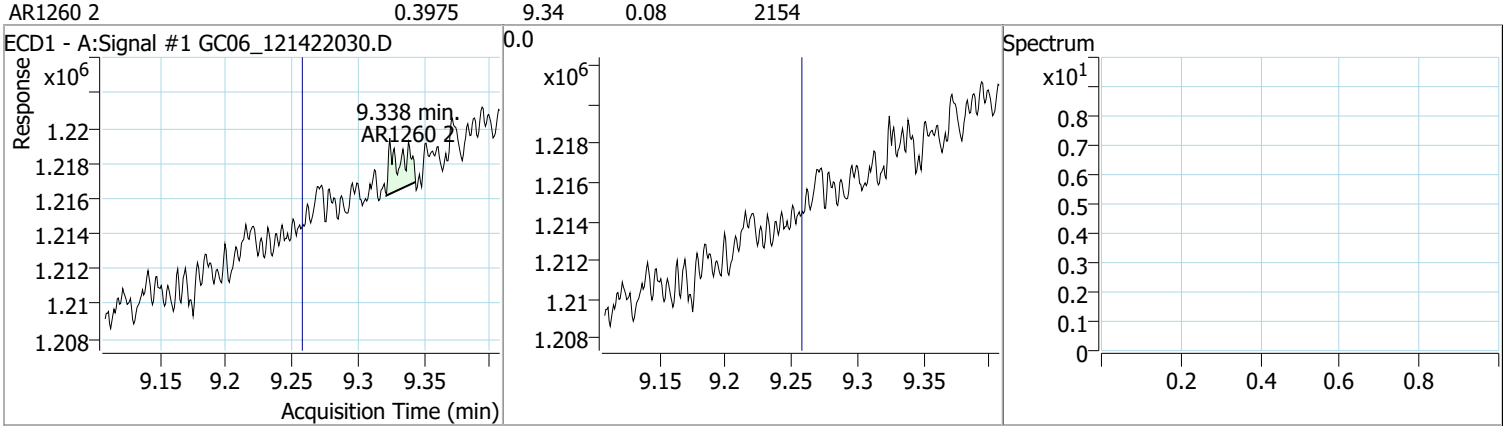
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.3228	7.30	0.00	2486				



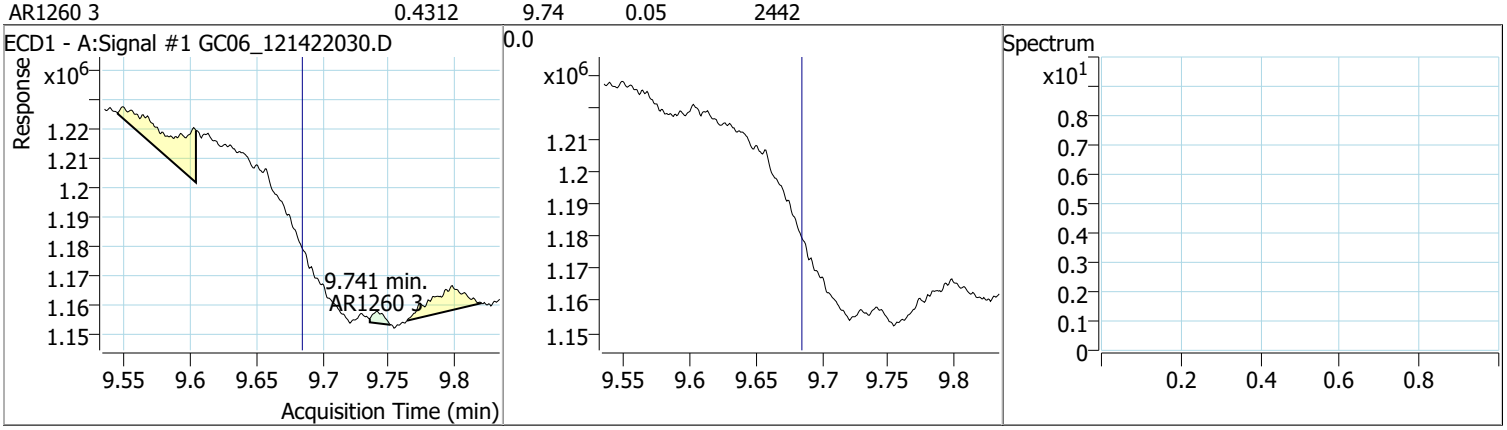
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	39.3103	8.75	-0.03	139745				



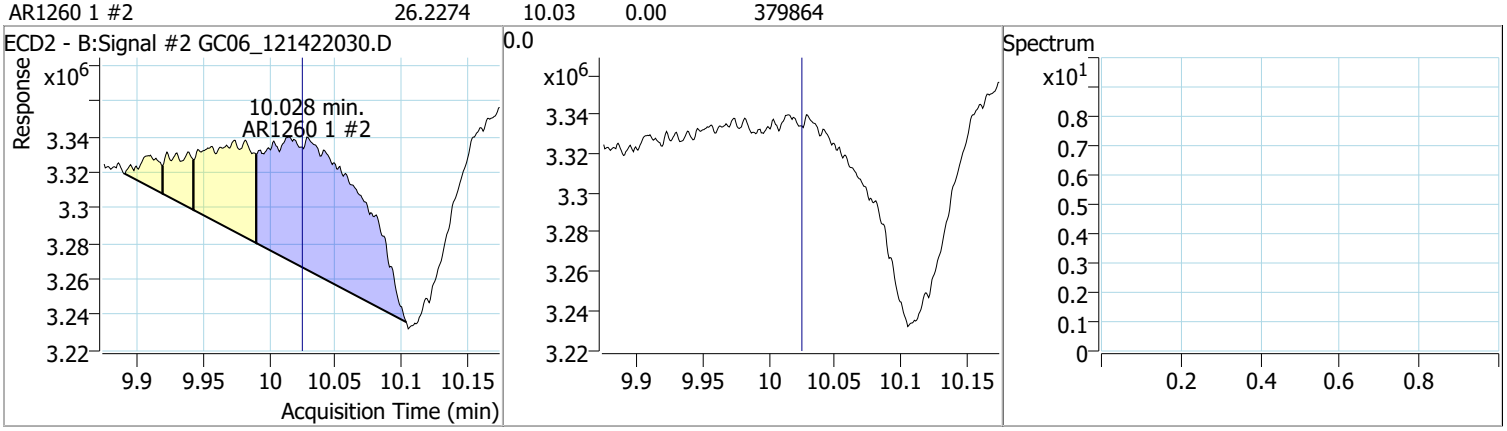
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.3975	9.34	0.08	2154				



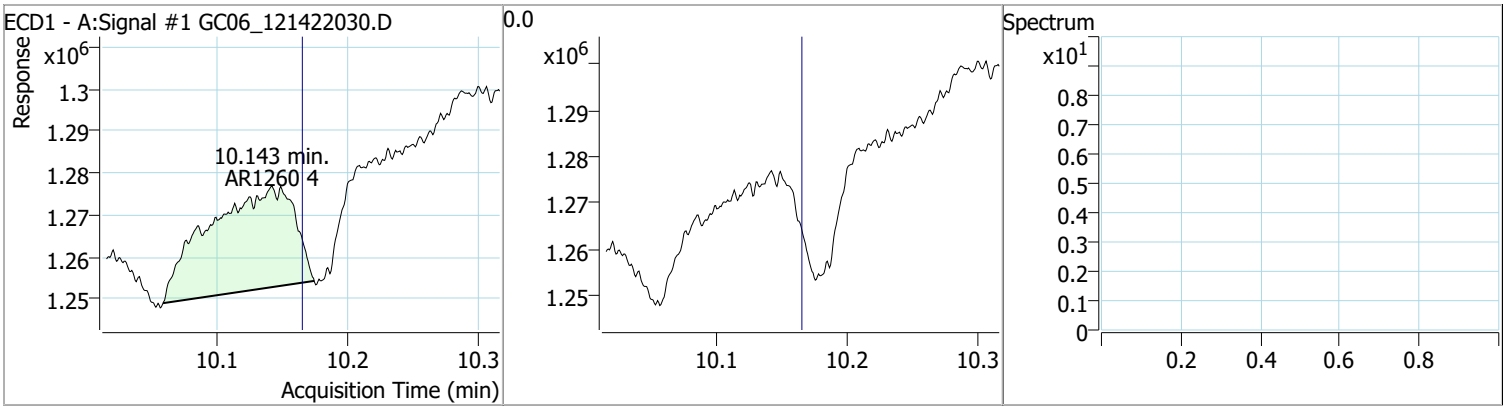
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.4312	9.74	0.05	2442				



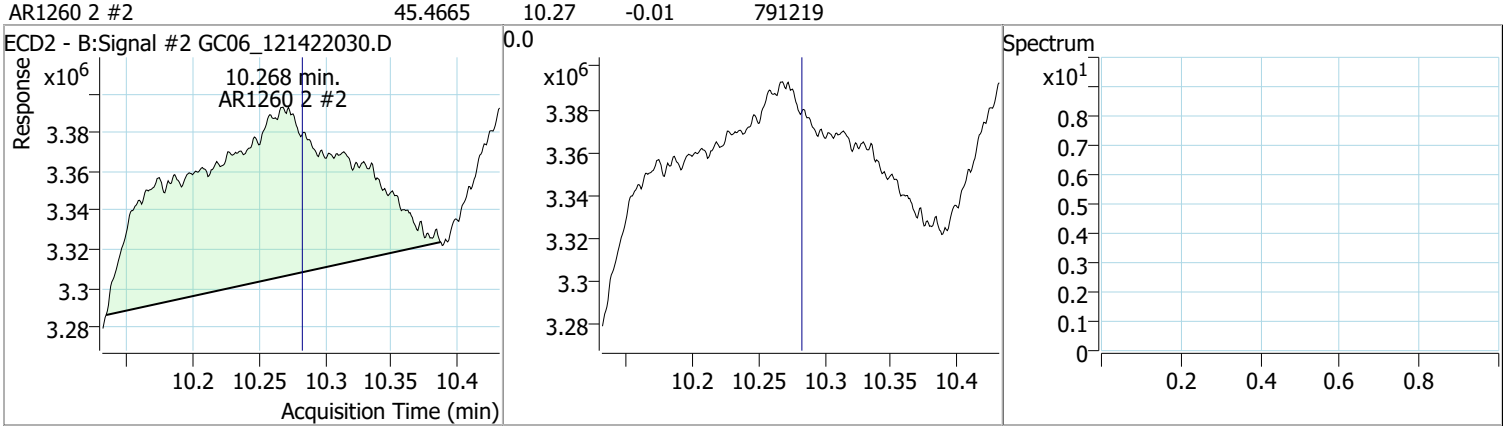
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	26.2274	10.03	0.00	379864				



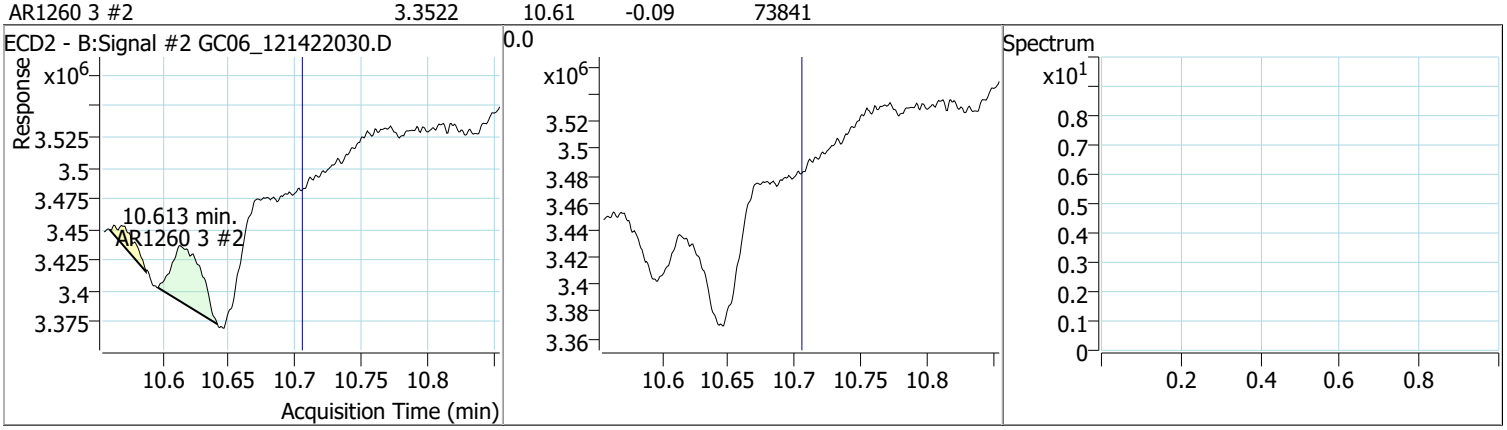
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	21.8425	10.14	-0.02	111522				



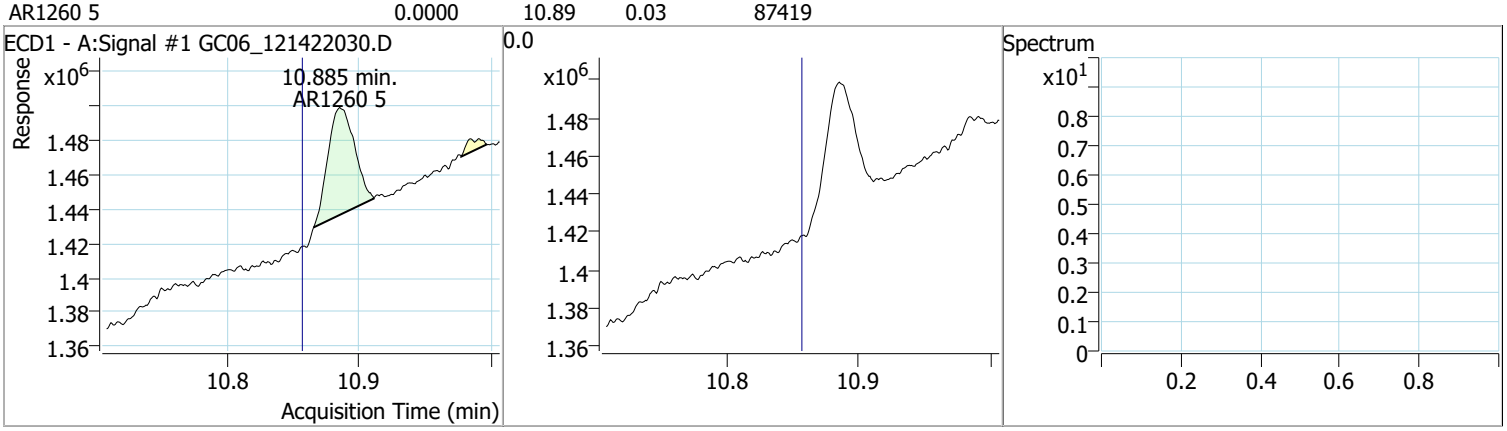
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	45.4665	10.27	-0.01	791219				



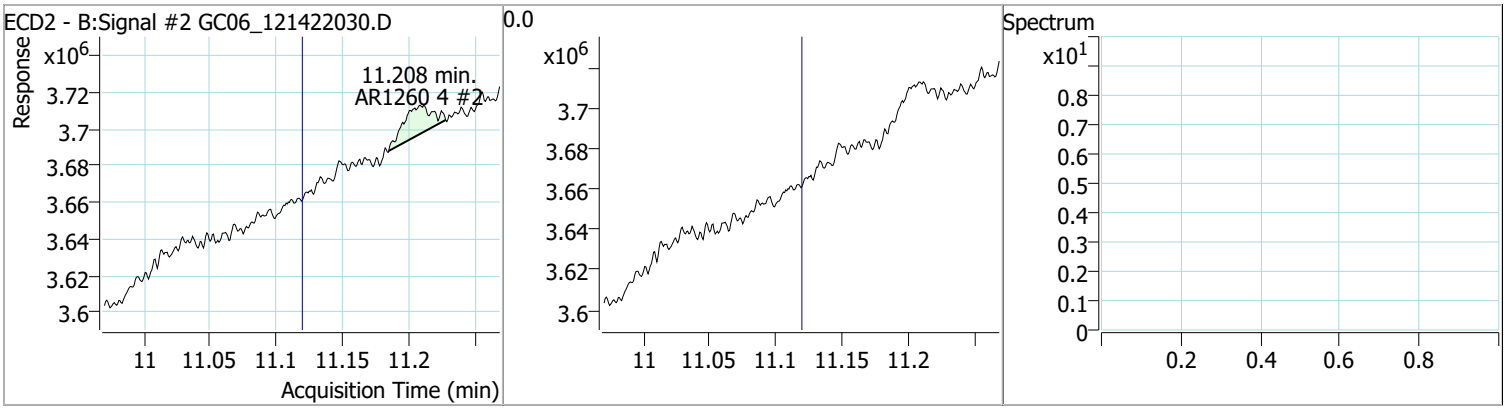
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	3.3522	10.61	-0.09	73841				



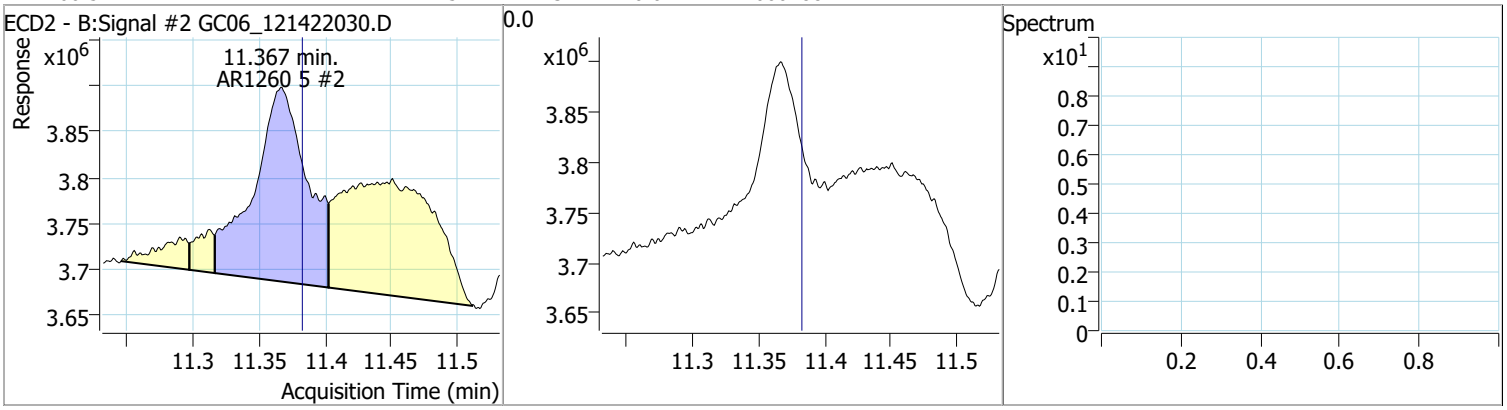
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	0.0000	10.89	0.03	87419				



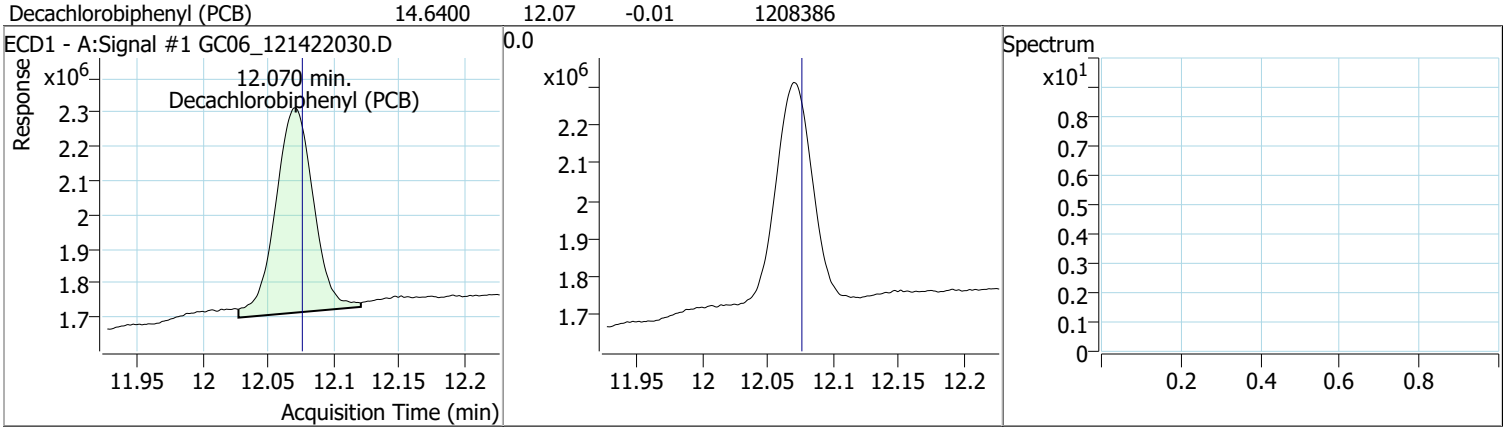
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.21	0.09	23993				



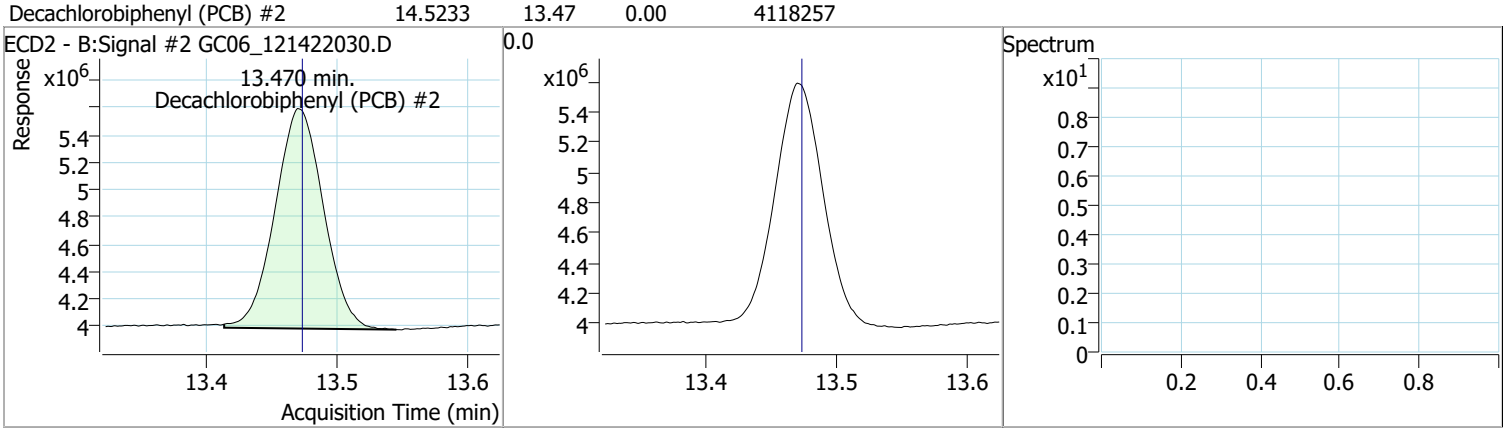
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	14.1451	11.37	-0.02	600488				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	14.6400	12.07	-0.01	1208386				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	14.5233	13.47	0.00	4118257				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474716-009	Client ID:	20221209-3CD-03
Seqnum:	452501809061	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422061	Batch:	303182	Time:	15-DEC-2022 06:24
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	92.65	~~0.93~~ FP	2.1	78%	0.50		x u
Aroclor-1016 Peak # 1	B	86.96	0.87	0.20	126%			
Aroclor-1016 Peak # 2	B	110.3	1.10	ND	218%			
Aroclor-1016 Peak # 3	B	213.9	2.14	0.78	93%			
Aroclor-1016 Peak # 4	B	22.38	0.22	2.64	169%			
Aroclor-1016 Peak # 5	B	29.76	0.30	6.92	184%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	55.55	~~0.56~~ FP	0.51	8%	0.50		x u
Aroclor-1260 Peak # 1	B	92.12	0.92	1.15	22%			
Aroclor-1260 Peak # 2	B	107.8	1.08	0.01	198%			
Aroclor-1260 Peak # 3	B	8.072	0.08	0.24	98%			
Aroclor-1260 Peak # 4	B	-20.45	ND	1.04	298%			
Aroclor-1260 Peak # 5	B	90.23	0.90	0.14	145%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	33.17	0.5000	0.3317	66	19-121	u
Decachlorobiphenyl (PCB)	B	31.76	0.5000	0.3176	64	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422036)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5560467	5068241	-8.85
1-bromo-2-nitrobenzene (PCB)	A	1170615	1129951	-3.47

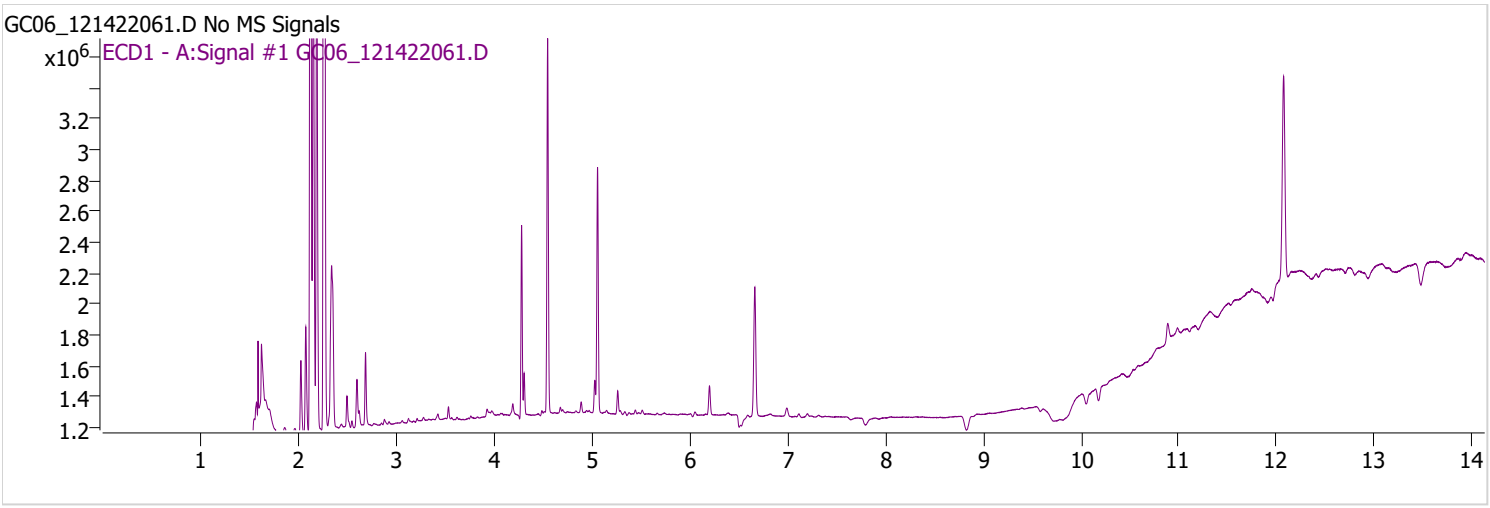
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

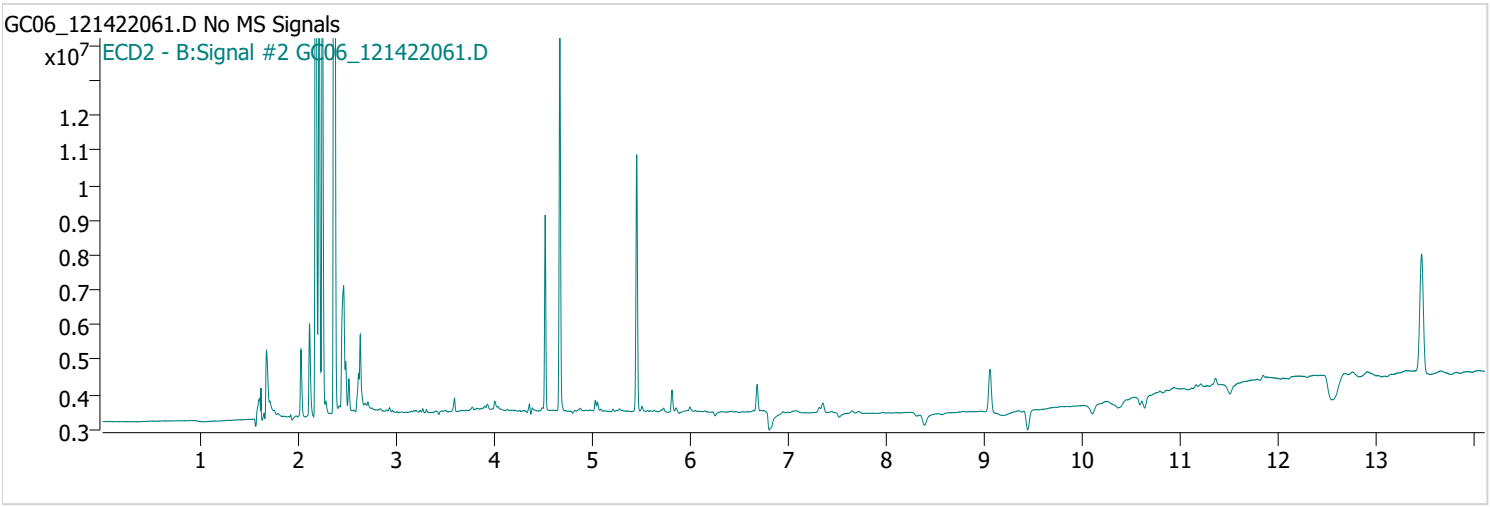
ISTD (CCV gc06_121422036)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

Analyst: MES 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422061.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 6:24:40 AM
Sample Name	474716-009, 303182, 1	Instrument	SVOA-GC06
Vial	44	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



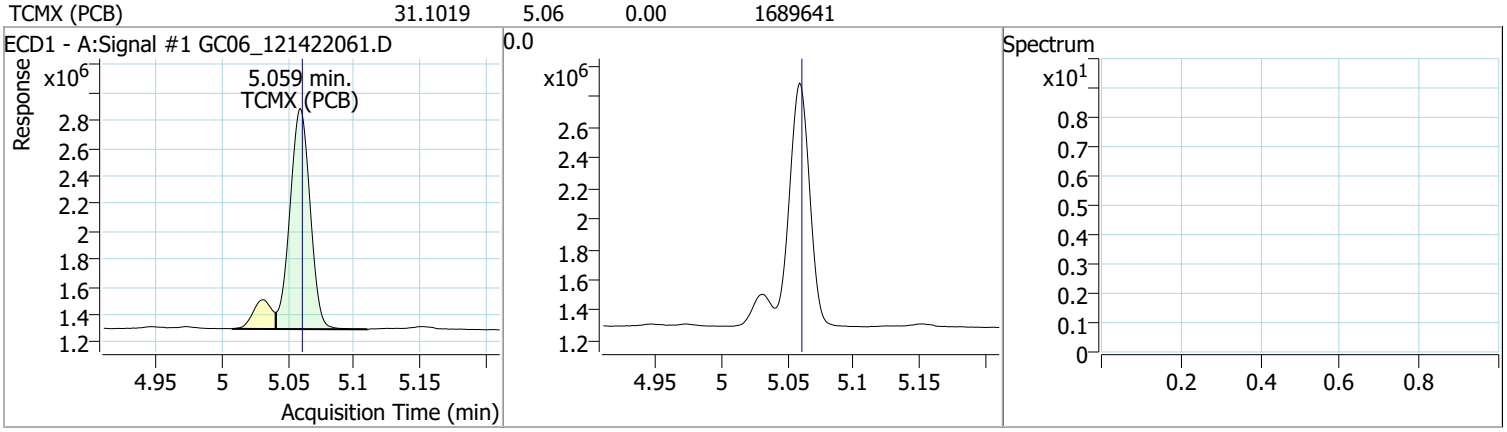


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.283	0.0	1129951.116	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.521	0.0	5068241.086	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB)	5.059	0.0	1689640.852	31.1019	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 155.51%		*	
S TCMX (PCB) #2	5.456	0.0	8074728.114	33.1747	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 165.87%		*	
S Decachlorobiphenyl (PCB)	12.071	0.0	2894190.140	37.9379	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 189.69%		*	
S Decachlorobiphenyl (PCB) #2	13.473	0.0	8732432.570	31.7610	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 158.80%		*	
Target Compounds							QValue

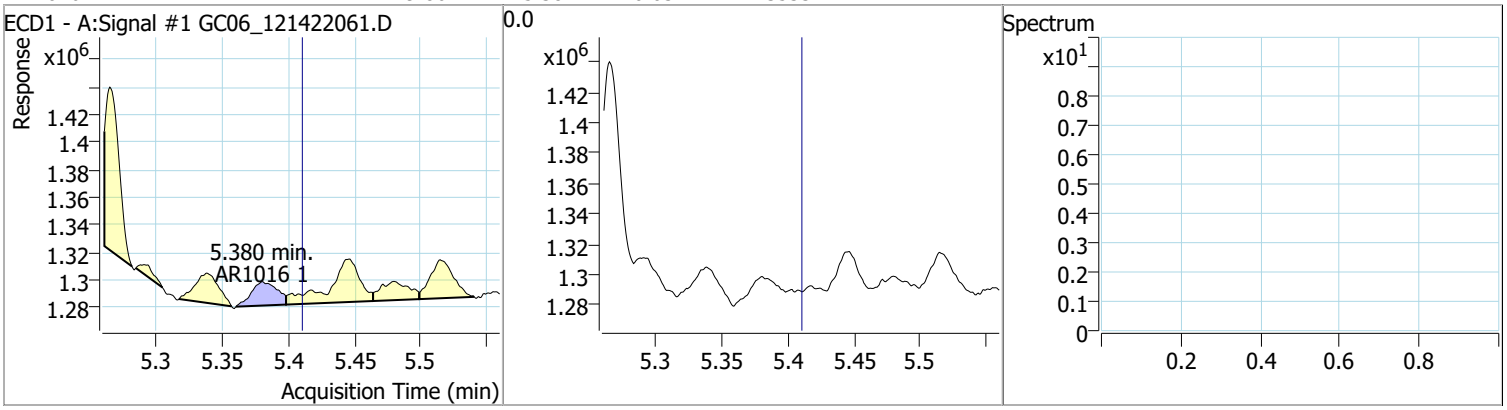
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.380	0.0	23533.219	19.8647	ng/ml	100
T AR1016 2	5.744	0.0	25263.053	0.0000	ng/ml	100
T AR1016 1 #2	6.000	0.0	458056.580	86.9585	ng/ml	100
T AR1016 3	6.203	0.0	233448.063	77.7221	ng/ml	100
T AR1016 4	6.398	0.0	604182.729	264.4772	ng/ml	100
T AR1016 2 #2	6.428	0.0	838796.093	110.3109	ng/ml	100
T AR1016 5	6.667	0.0	1273450.265	692.0858	ng/ml	100
T AR1016 3 #2	7.083	0.0	2954933.124	213.8716	ng/ml	100
T AR1016 4 #2	7.083	0.0	220724.032	22.3775	ng/ml	100
T AR1016 5 #2	7.323	0.0	238567.779	29.7555	ng/ml	100
T AR1260 1	8.775	0.0	438519.165	114.7839	ng/ml	100
T AR1260 2	9.305	0.0	2993.258	0.5140	ng/ml	100
T AR1260 3	9.616	0.0	144134.991	23.6821	ng/ml	100
T AR1260 1 #2	10.021	0.0	1389517.497	92.1246	ng/ml	100
T AR1260 4	10.150	0.0	382547.470	103.5627	ng/ml	100
T AR1260 2 #2	10.264	0.0	1952803.466	107.7552	ng/ml	100
T AR1260 3 #2	10.615	0.0	185172.330	8.0723	ng/ml	100
T AR1260 5	10.888	0.0	219370.970	14.2771	ng/ml	100
T AR1260 4 #2	11.123	0.0	40349.910	0.0000	ng/ml	100
T AR1260 5 #2	11.367	0.0	2075911.505	90.2367	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

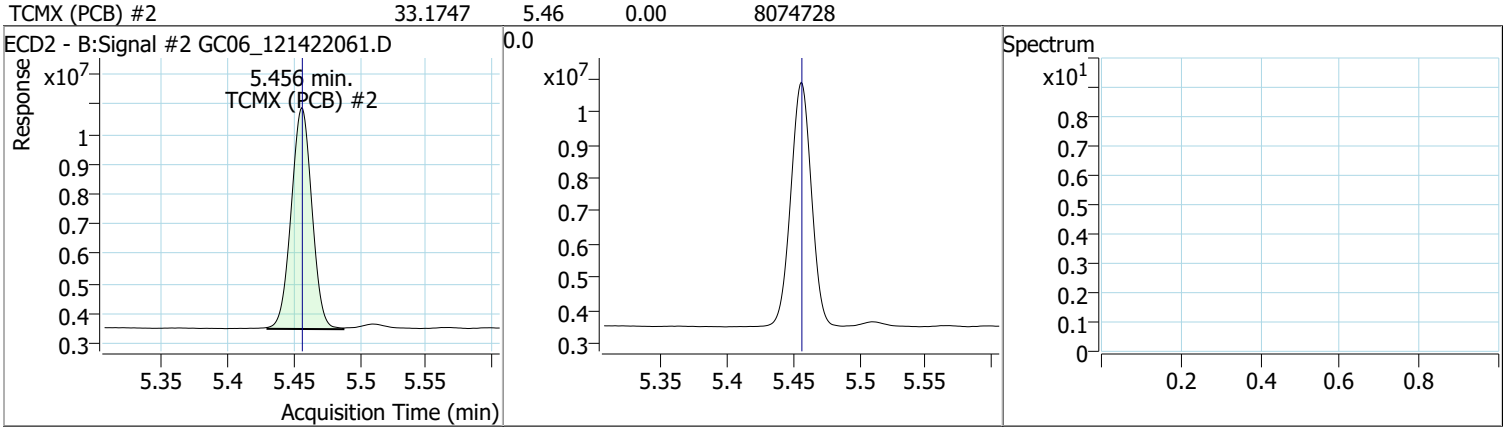
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.1019	5.06	0.00	1689641				



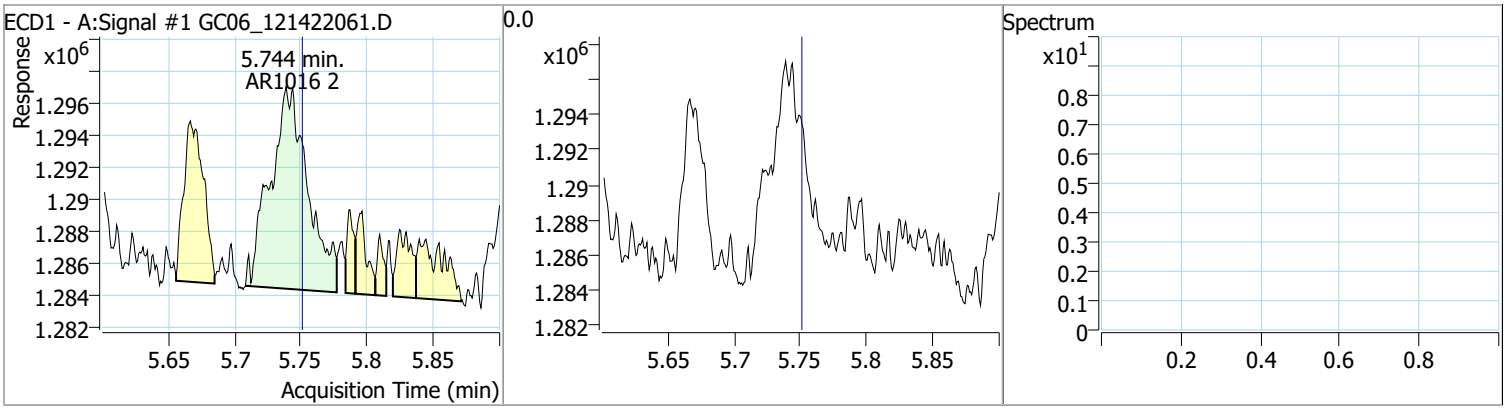
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	19.8647	5.38	-0.03	23533				



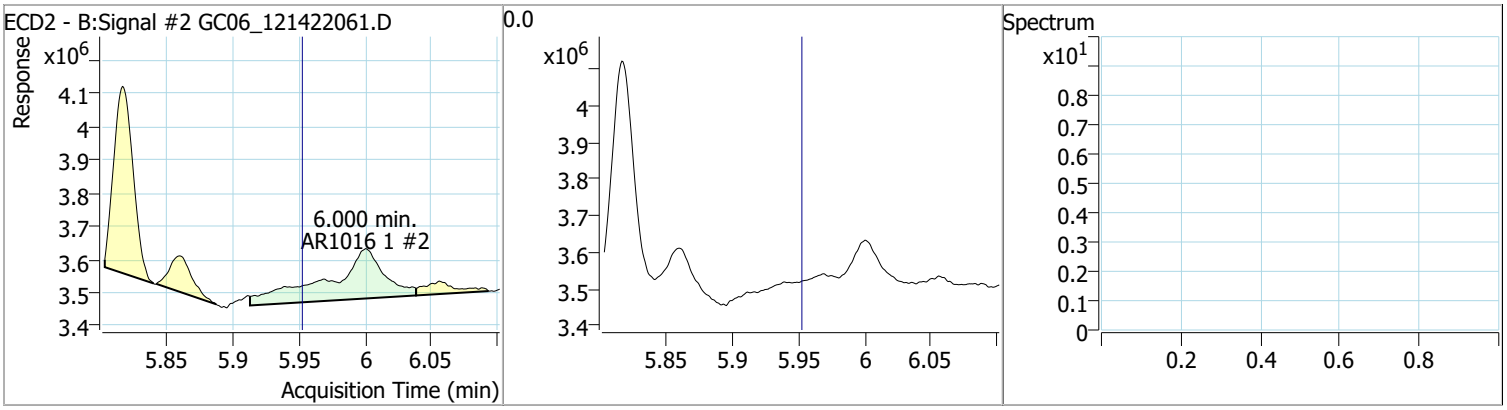
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	33.1747	5.46	0.00	8074728				



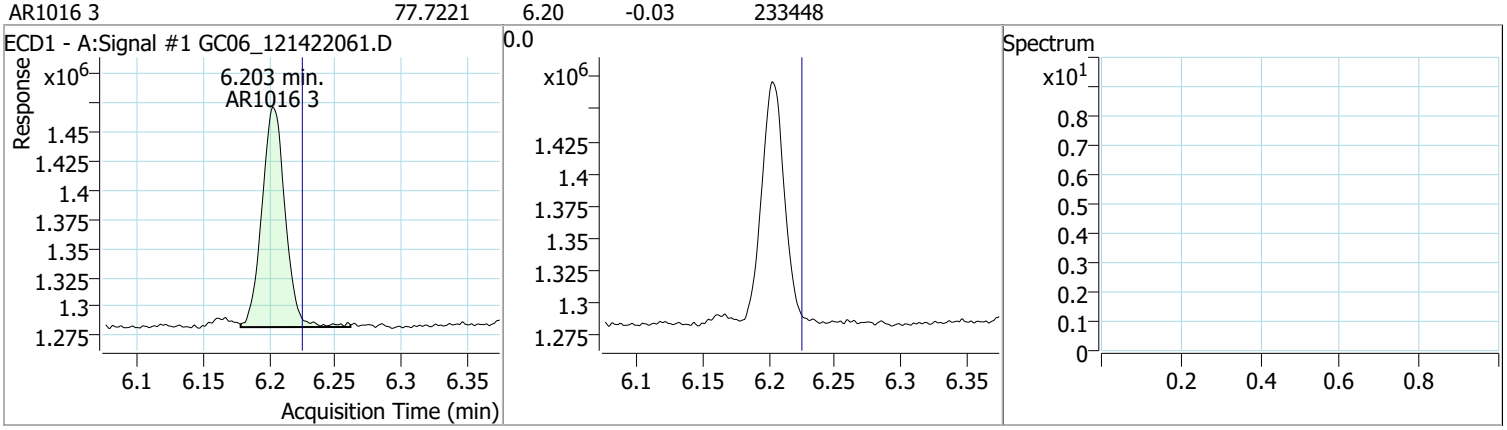
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.74	-0.01	25263				



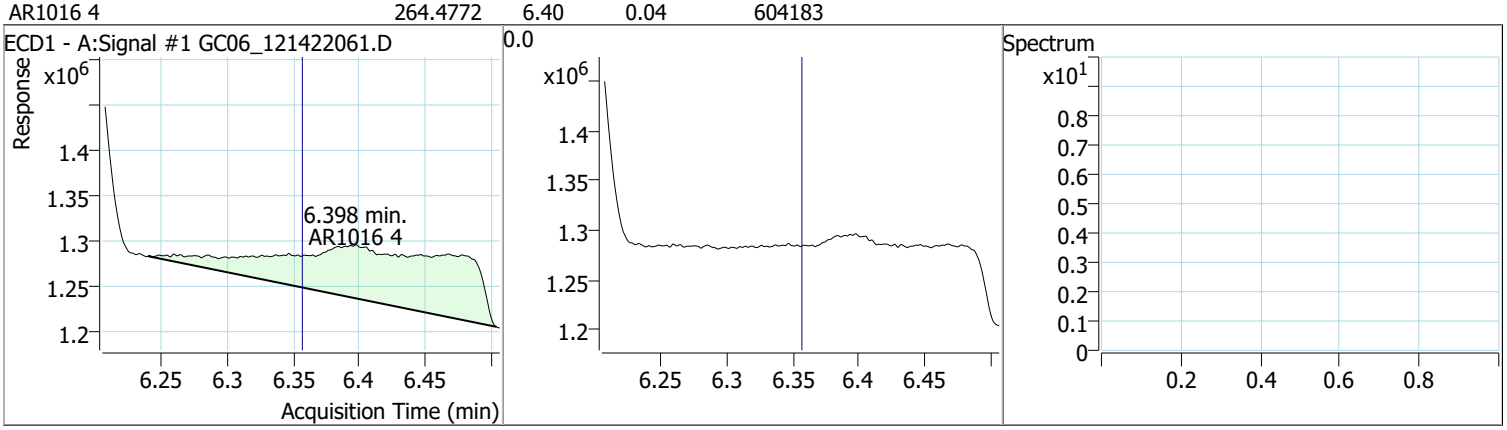
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	86.9585	6.00	0.05	458057				



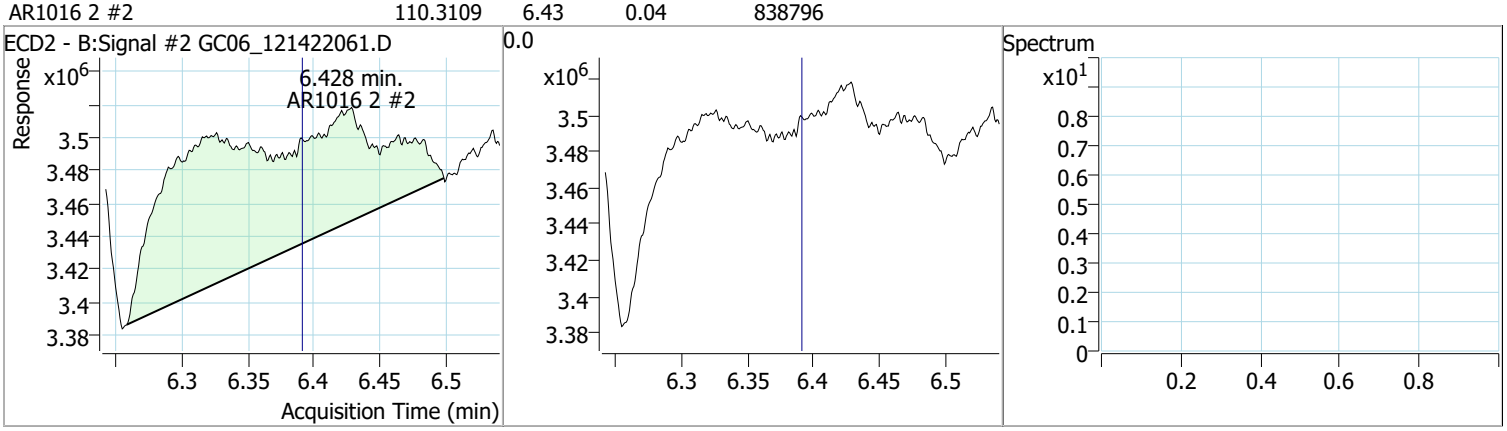
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	77.7221	6.20	-0.03	233448				



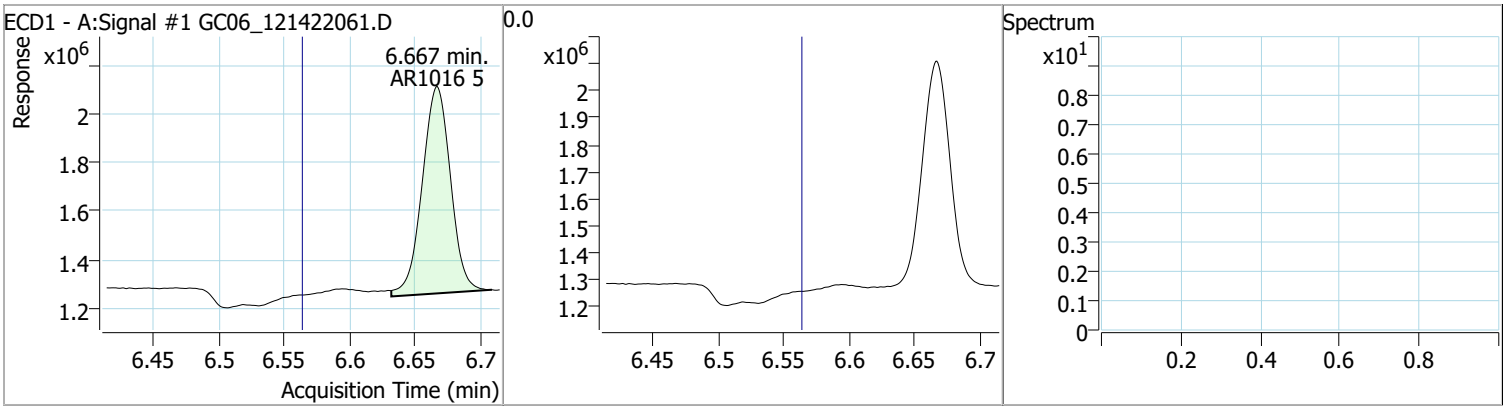
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	264.4772	6.40	0.04	604183				



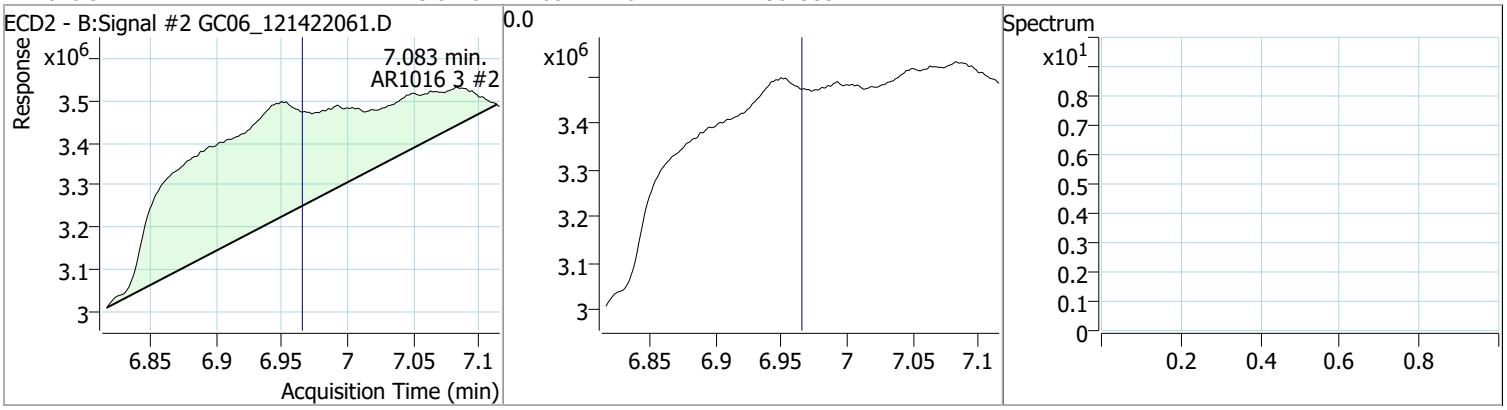
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	110.3109	6.43	0.04	838796				



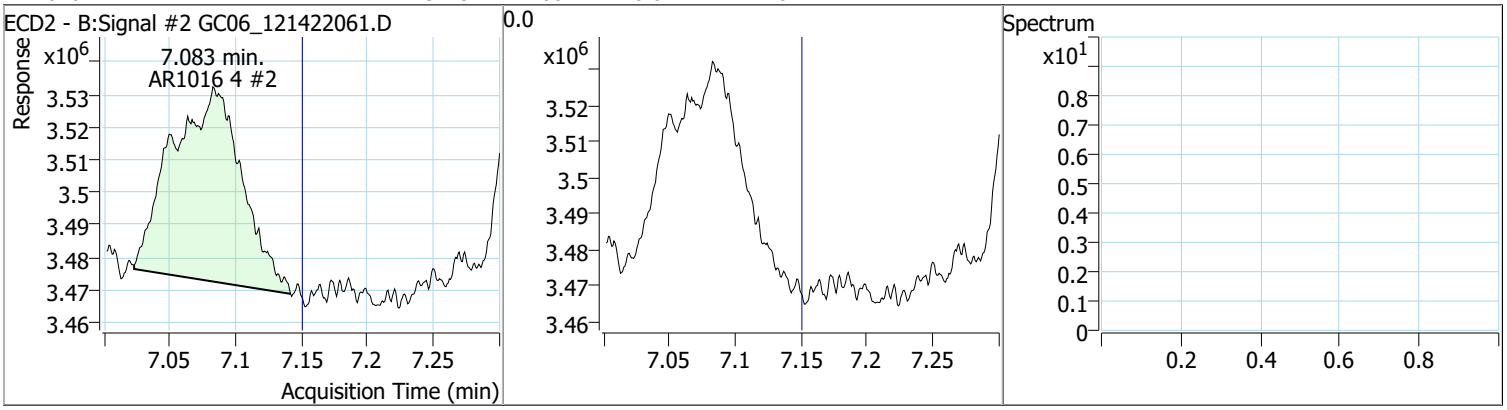
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	692.0858	6.67	0.10	1273450				



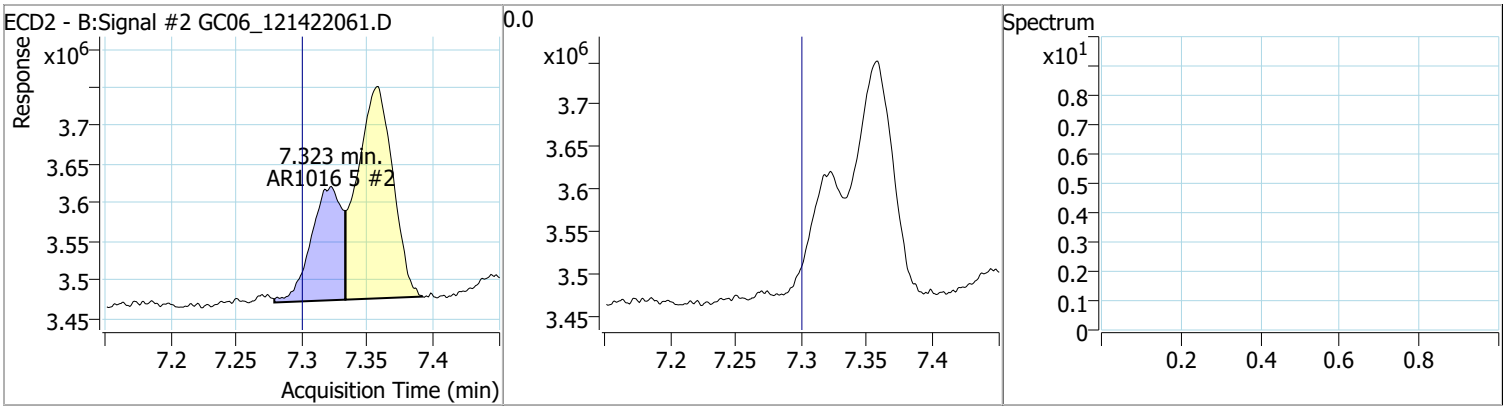
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	213.8716	7.08	0.11	2954933				



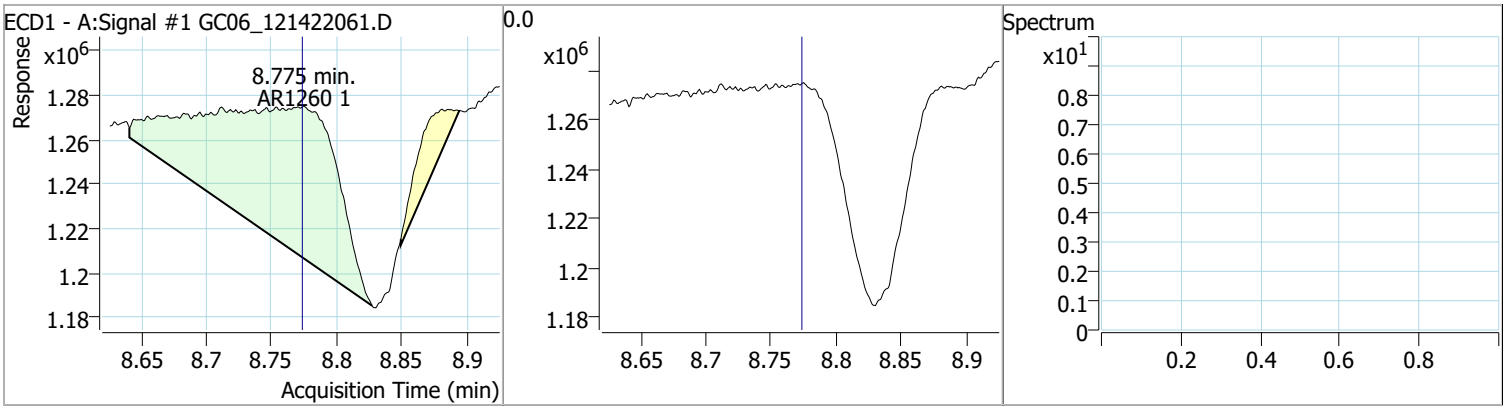
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	22.3775	7.08	-0.07	220724				



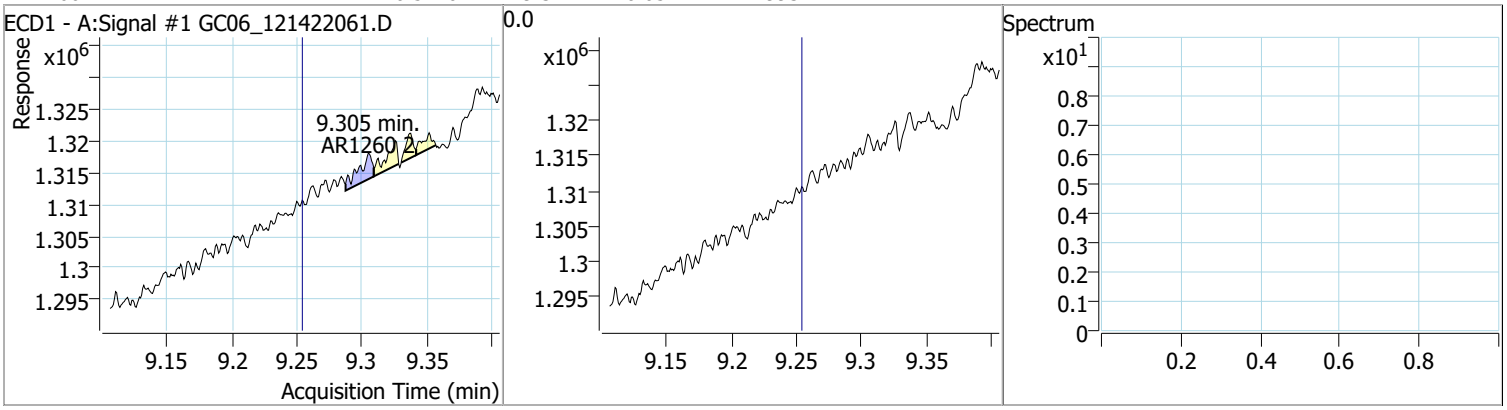
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	29.7555	7.32	0.02	238568				



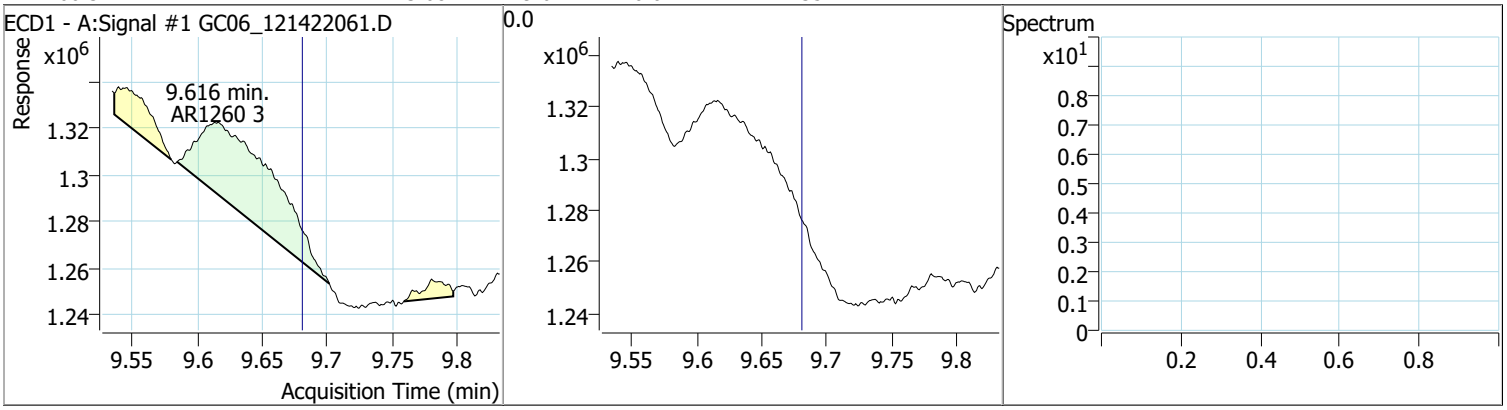
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	114.7839	8.78	0.00	438519				



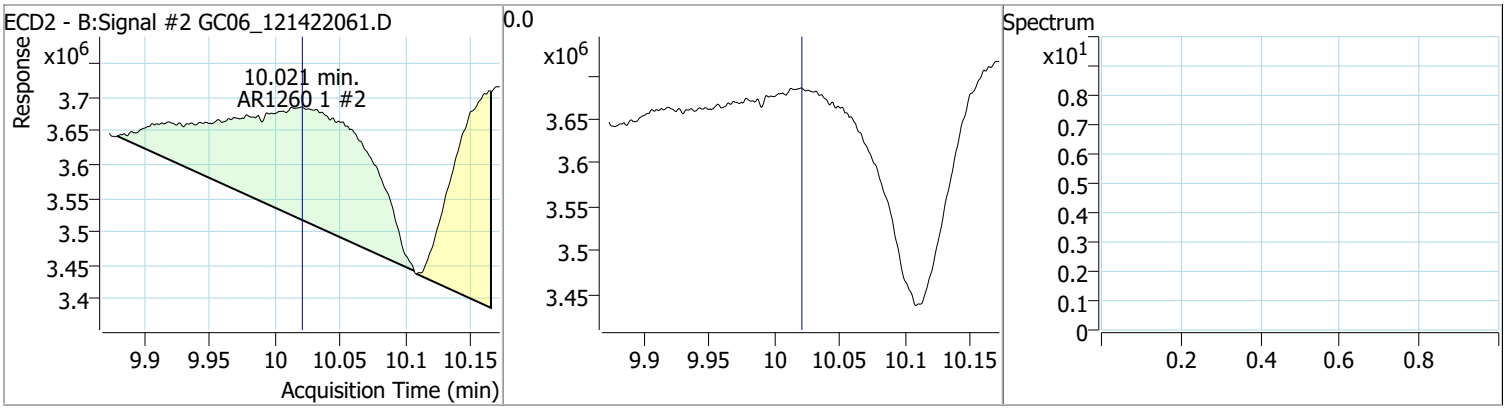
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.5140	9.31	0.05	2993				



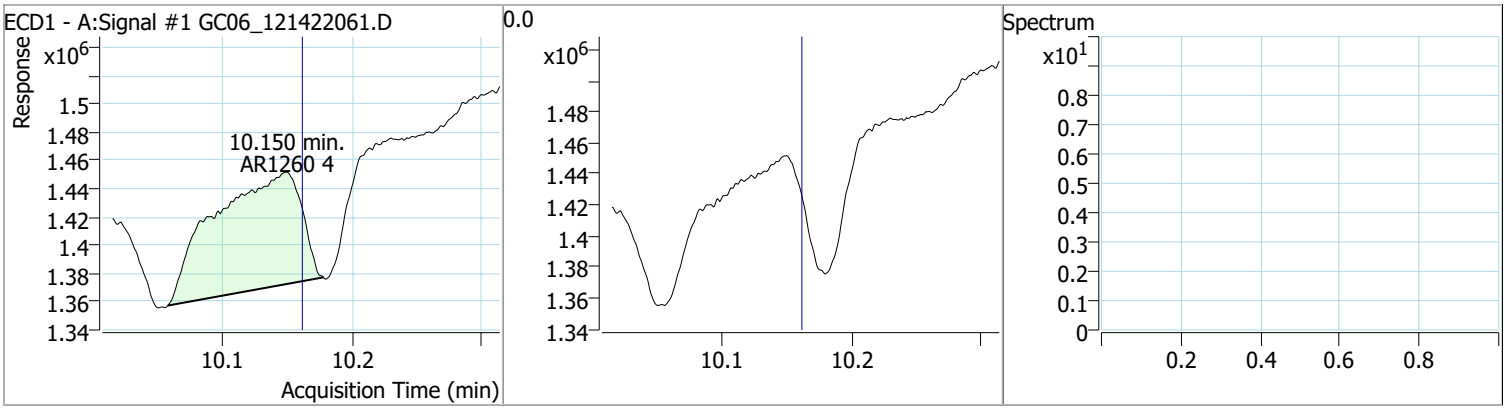
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	23.6821	9.62	-0.07	144135				



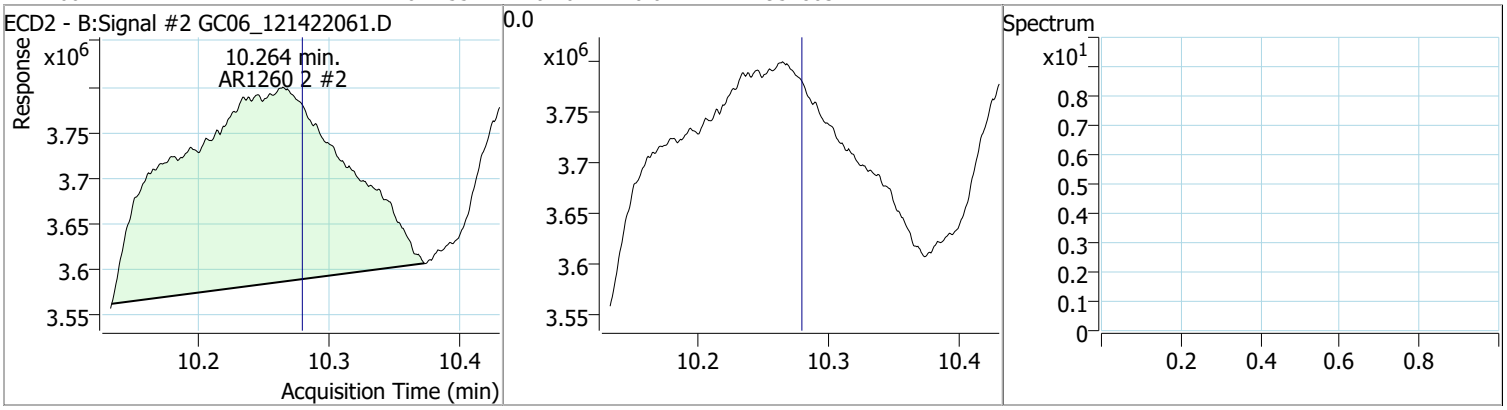
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	92.1246	10.02	0.00	1389517				



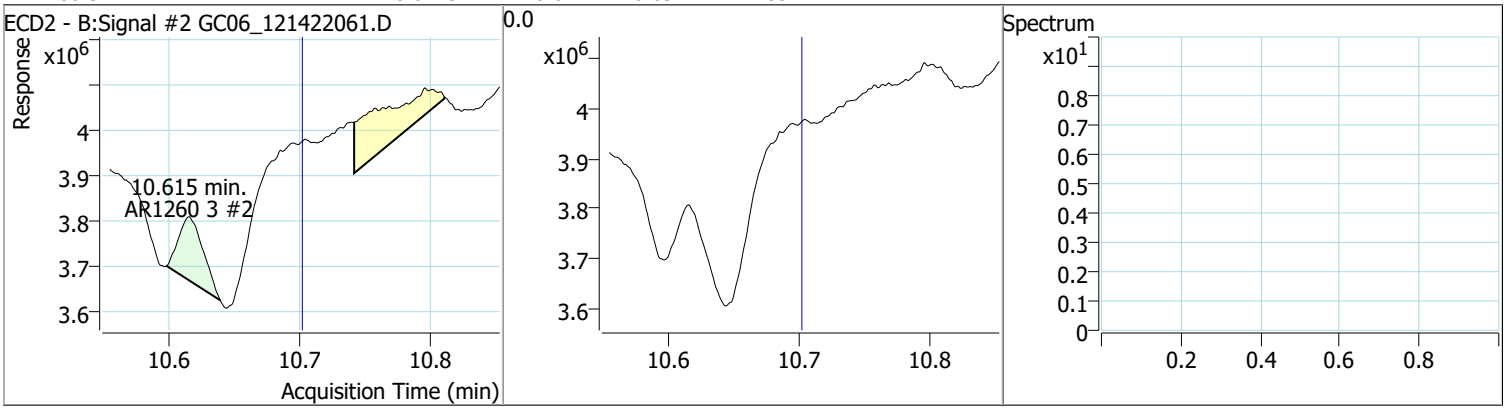
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	103.5627	10.15	-0.02	382547				



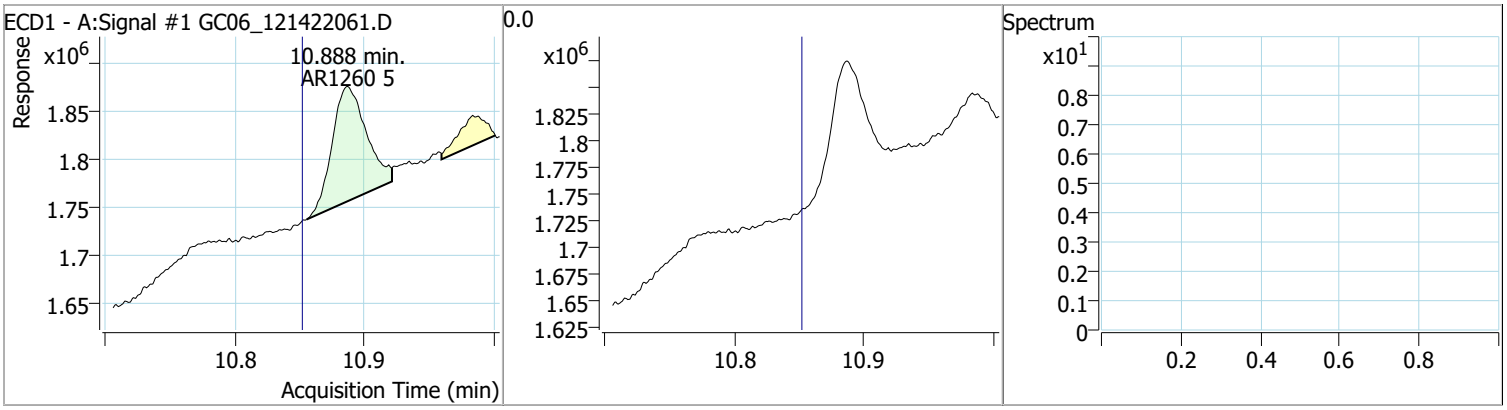
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	107.7552	10.26	-0.02	1952803				



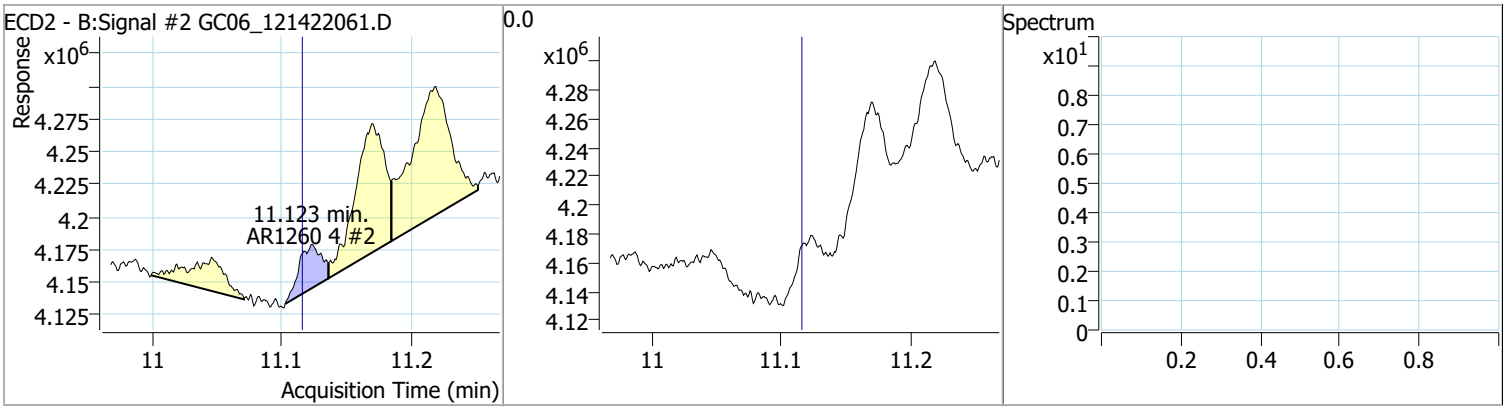
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	8.0723	10.62	-0.09	185172				



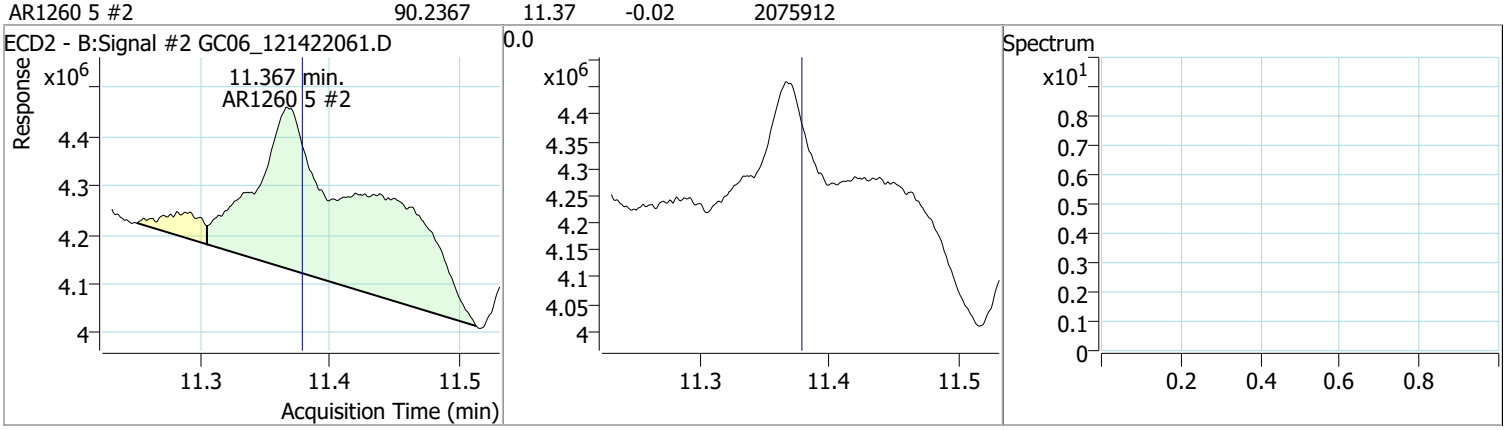
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	14.2771	10.89	0.03	219371				



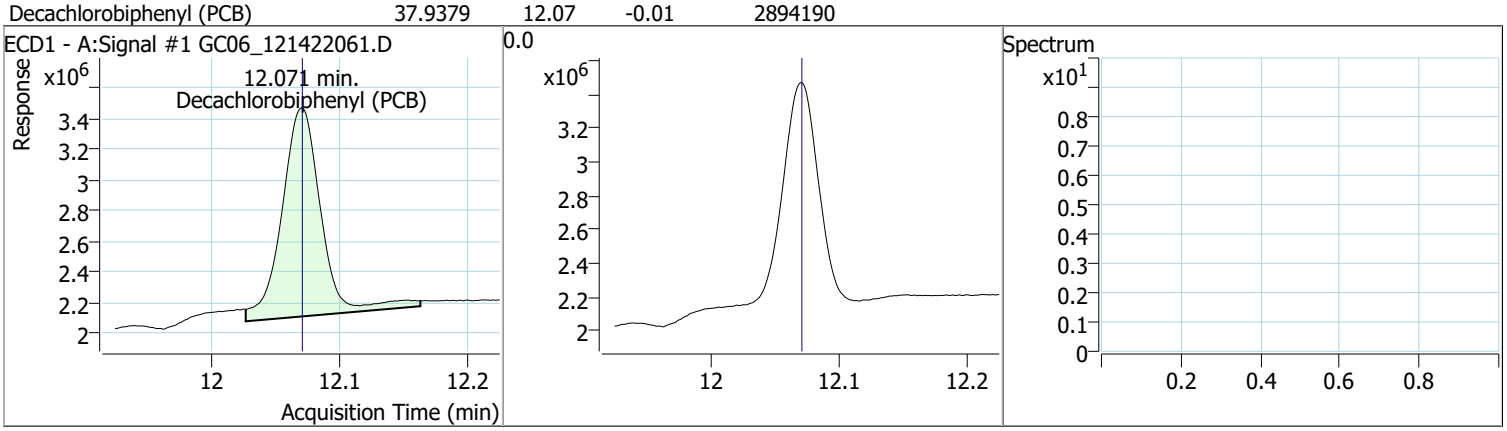
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.12	0.00	40350				



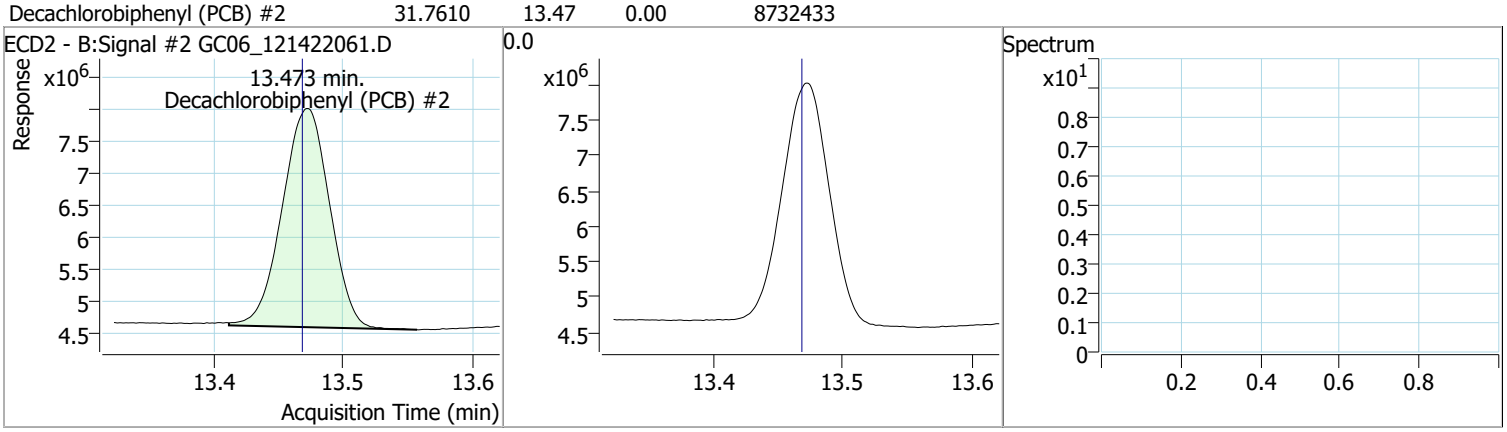
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	90.2367	11.37	-0.02	2075912				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	37.9379	12.07	-0.01	2894190				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	31.7610	13.47	0.00	8732433				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474716-010	Client ID:	20221209-3CD-03-DUP
Seqnum:	452501809031	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422031	Batch:	303181	Time:	14-DEC-2022 21:14
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	13.13	ND	3.1	168%	0.50		u
Aroclor-1016 Peak # 1	B	34.49	0.69	0.38	58%			
Aroclor-1016 Peak # 2	B	0.6300	0.01	ND	-226%			
Aroclor-1016 Peak # 3	B	28.52	0.57	0.67	16%			
Aroclor-1016 Peak # 4	B	0.2640	0.01	0.04	148%			
Aroclor-1016 Peak # 5	B	1.764	0.04	14.39	199%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	14.57	ND	0.28	5%	0.50		u
Aroclor-1260 Peak # 1	B	33.67	0.67	0.48	33%			
Aroclor-1260 Peak # 2	B	43.54	0.87	0.01	197%			
Aroclor-1260 Peak # 3	B	4.106	0.08	0.23	95%			
Aroclor-1260 Peak # 4	B	-23.53	ND	0.63	1373%			
Aroclor-1260 Peak # 5	B	15.05	0.30	0.04	155%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	17.51	0.5000	0.3503	70	52-121	u
Decachlorobiphenyl (PCB)	B	16.04	0.5000	0.3207	64	50-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5307613	4963800	-6.48
1-bromo-2-nitrobenzene (PCB)	A	1103956	1040725	-5.73

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

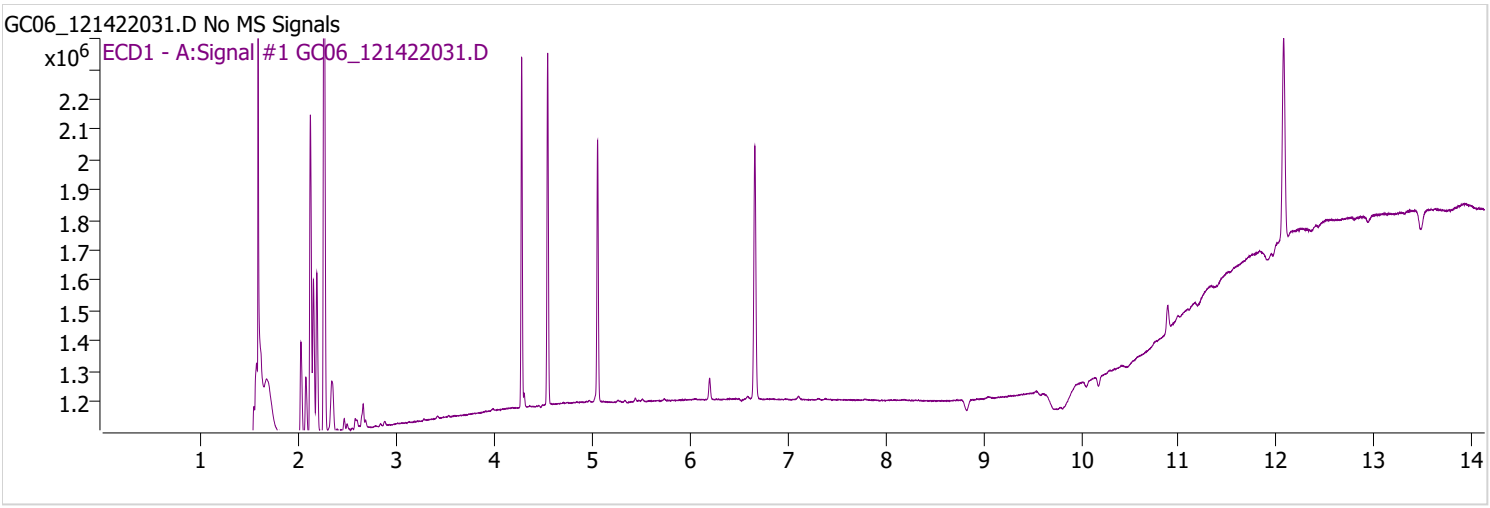
ISTD (CCV gc06_121422004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.28	-0.01

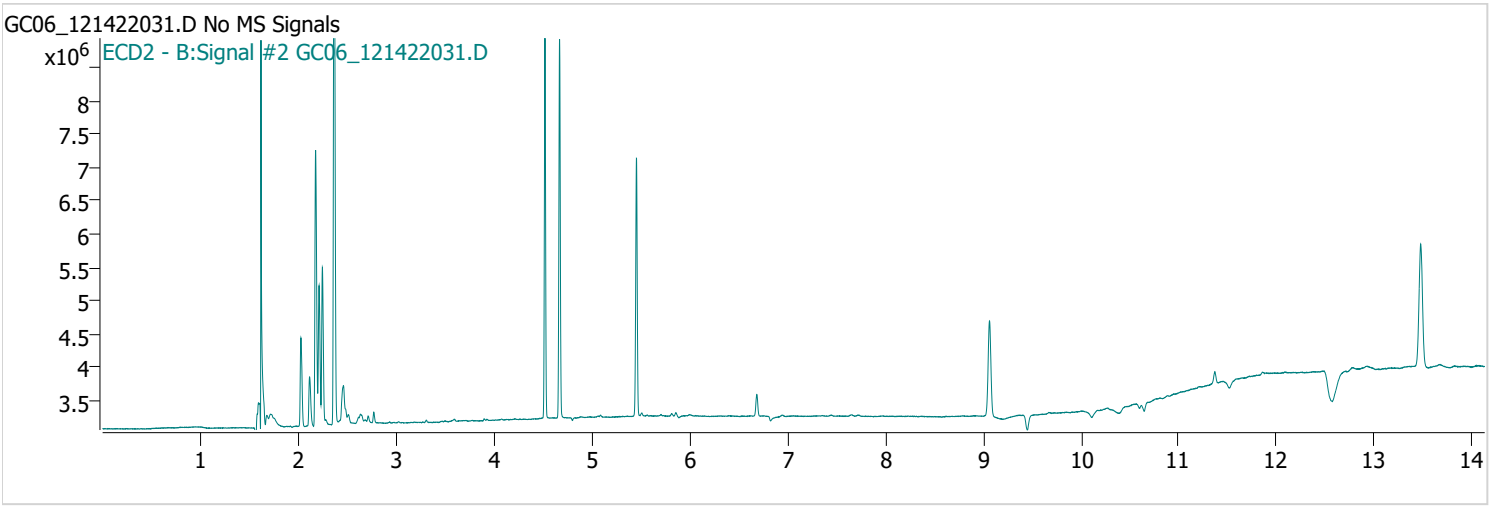
Analyst: MES 12/15/22

Reviewer: LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422031.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 9:14:27 PM
Sample Name	474716-010, 303181, 1	Instrument	SVOA-GC06
Vial	20	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



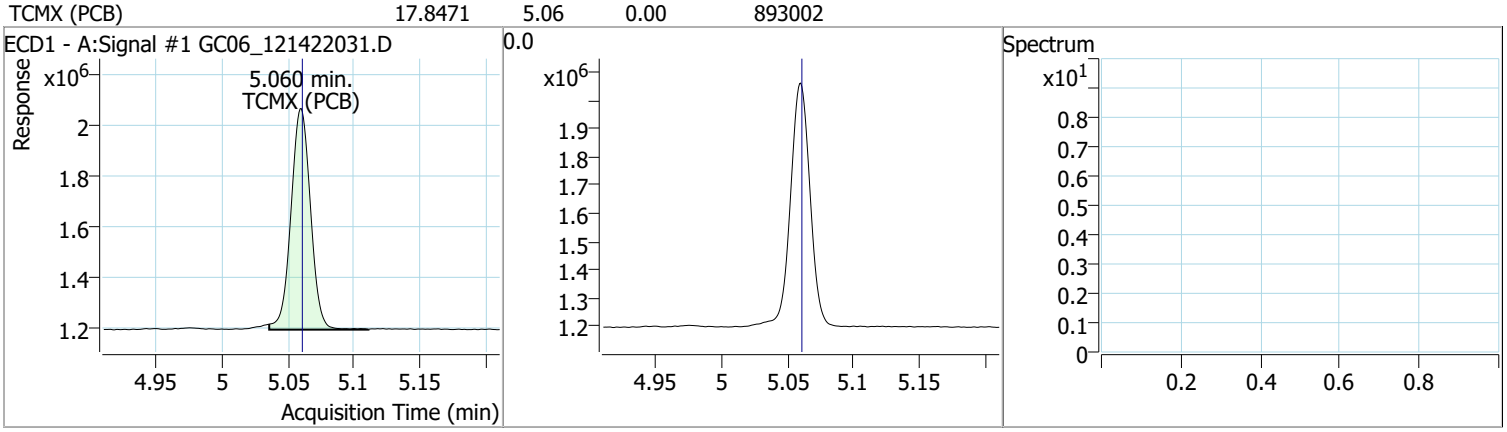


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.283	0.0	1040725.145	20.0000	ng/ml	-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	4963799.577	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.060	0.0	893001.710	17.8471	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 89.24%		
S TCMX (PCB) #2	5.457	0.0	4174777.503	17.5128	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 87.56%		
S Decachlorobiphenyl (PCB)	12.072	0.0	1338955.233	16.9051	ng/ml	-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 84.53%		
S Decachlorobiphenyl (PCB) #2	13.472	0.0	4582337.409	16.0362	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 80.18%		
Target Compounds						QValue
T AR1016 1	5.444	0.0	20675.388	18.9487	ng/ml	100

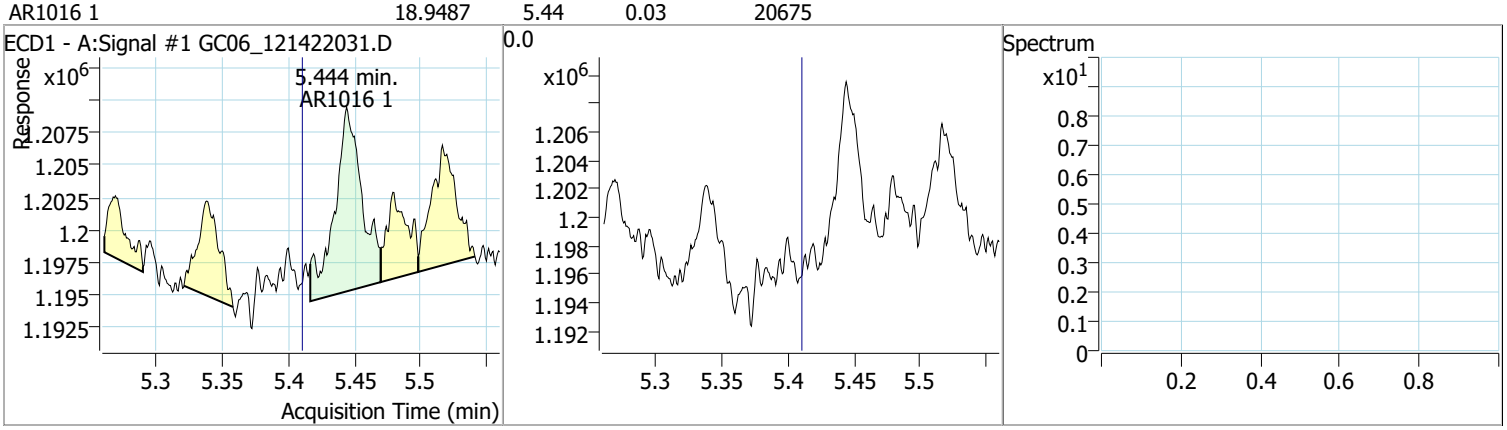
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.743	0.0	11092.487	0.0000	ng/ml	100
T AR1016 1 #2	5.998	0.0	177931.936	34.4897	ng/ml	100
T AR1016 3	6.205	0.0	93076.405	33.6448	ng/ml	100
T AR1016 4	6.341	0.0	3756.347	1.7853	ng/ml	100
T AR1016 2 #2	6.386	0.0	4691.886	0.6300	ng/ml	100
T AR1016 5	6.667	0.0	1219000.455	719.2924	ng/ml	100
T AR1016 3 #2	6.943	0.0	385878.580	28.5167	ng/ml	100
T AR1016 4 #2	7.146	0.0	2550.342	0.2640	ng/ml	100
T AR1016 5 #2	7.303	0.0	13850.773	1.7639	ng/ml	100
T AR1260 1	8.784	0.0	84967.146	24.1472	ng/ml	100
T AR1260 2	9.258	0.0	1692.119	0.3155	ng/ml	100
T AR1260 3	9.615	0.0	64891.695	11.5761	ng/ml	100
T AR1260 1 #2	10.001	0.0	497342.688	33.6675	ng/ml	100
T AR1260 4	10.135	0.0	139146.030	31.5562	ng/ml	100
T AR1260 2 #2	10.268	0.0	772879.053	43.5446	ng/ml	100
T AR1260 3 #2	10.617	0.0	92240.935	4.1057	ng/ml	100
T AR1260 5	10.888	0.0	125013.870	1.9330	ng/ml	100
T AR1260 4 #2	11.155	0.0	1475.101	0.0000	ng/ml	100
T AR1260 5 #2	11.368	0.0	629442.758	15.0548	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

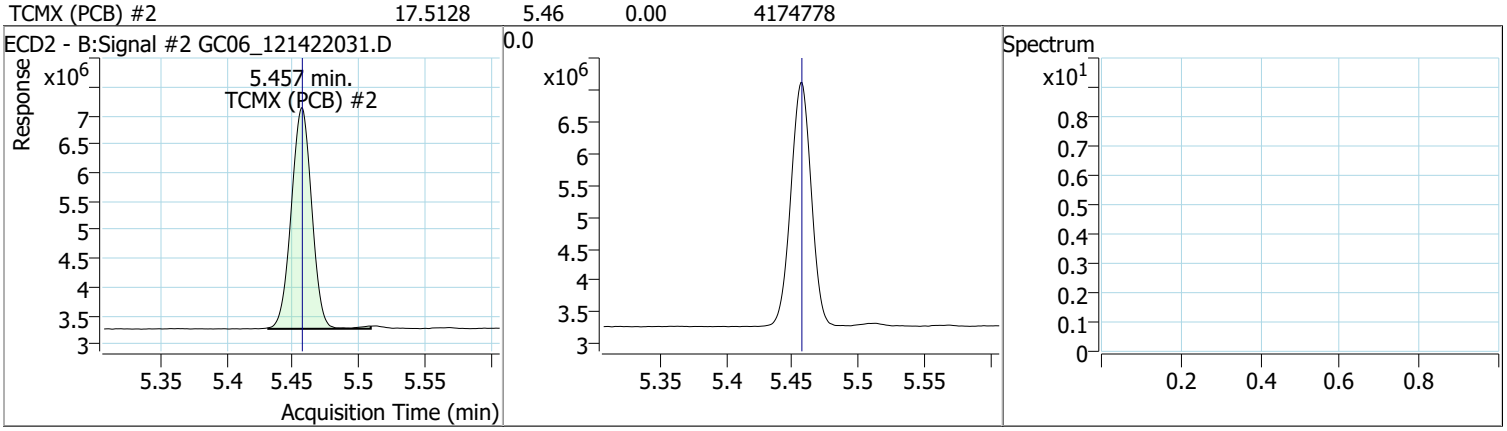
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	17.8471	5.06	0.00	893002				



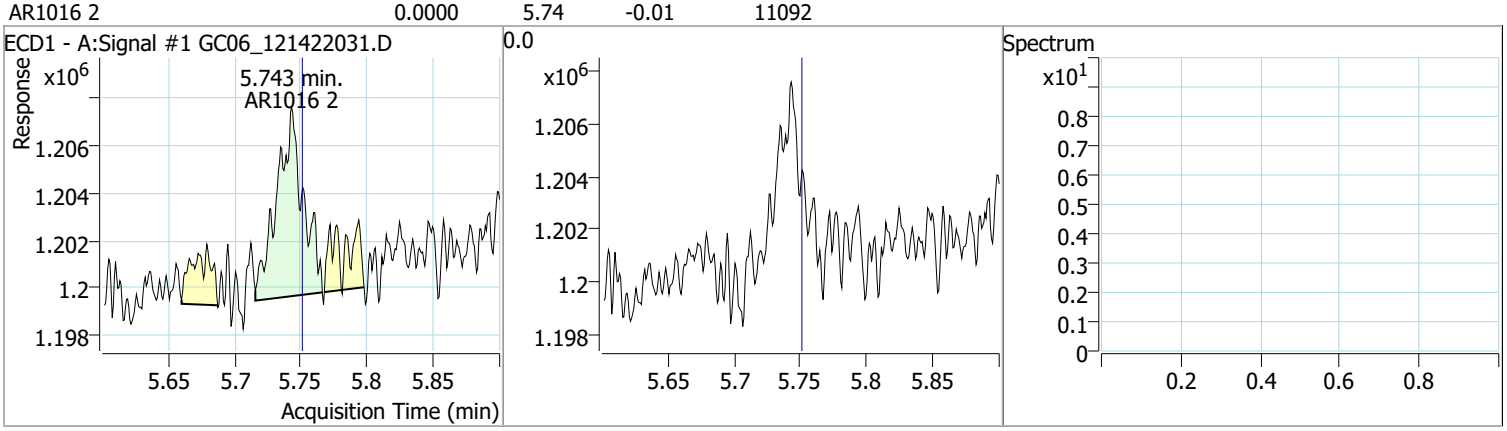
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	18.9487	5.44	0.03	20675				



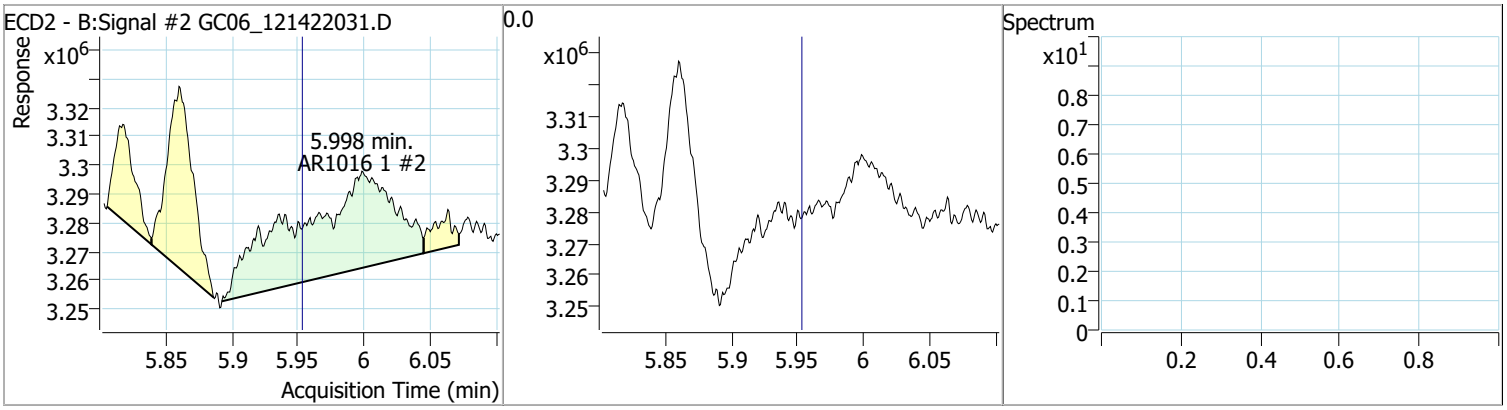
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	17.5128	5.46	0.00	4174778				



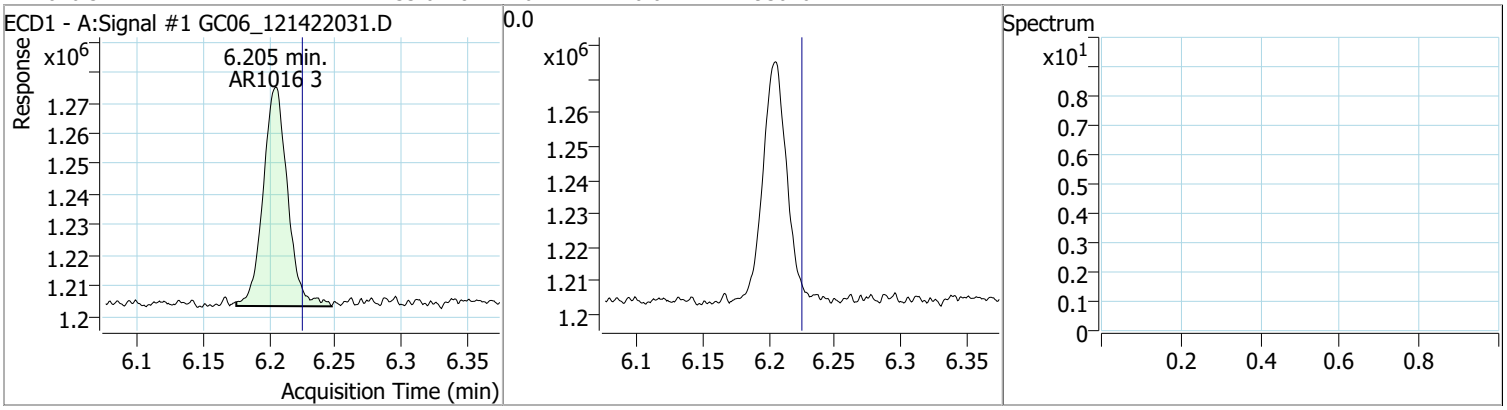
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.74	-0.01	11092				



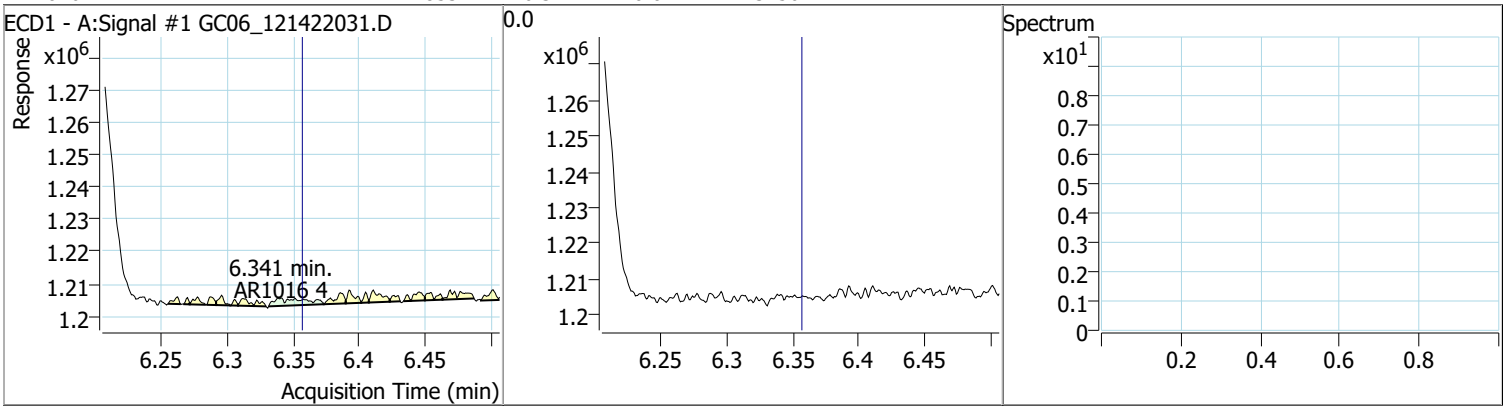
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	34.4897	6.00	0.04	177932				



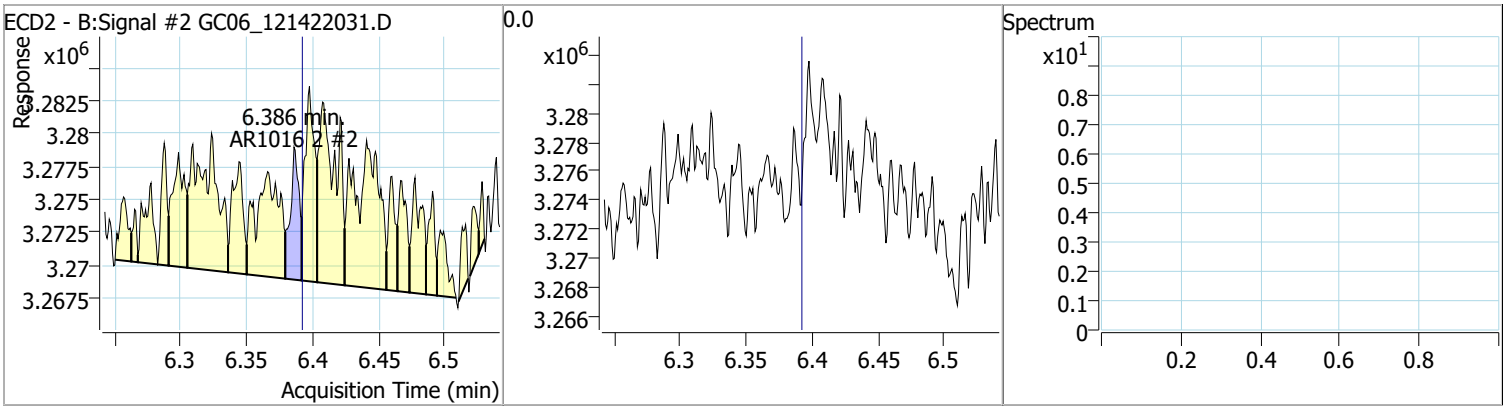
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	33.6448	6.21	-0.02	93076				



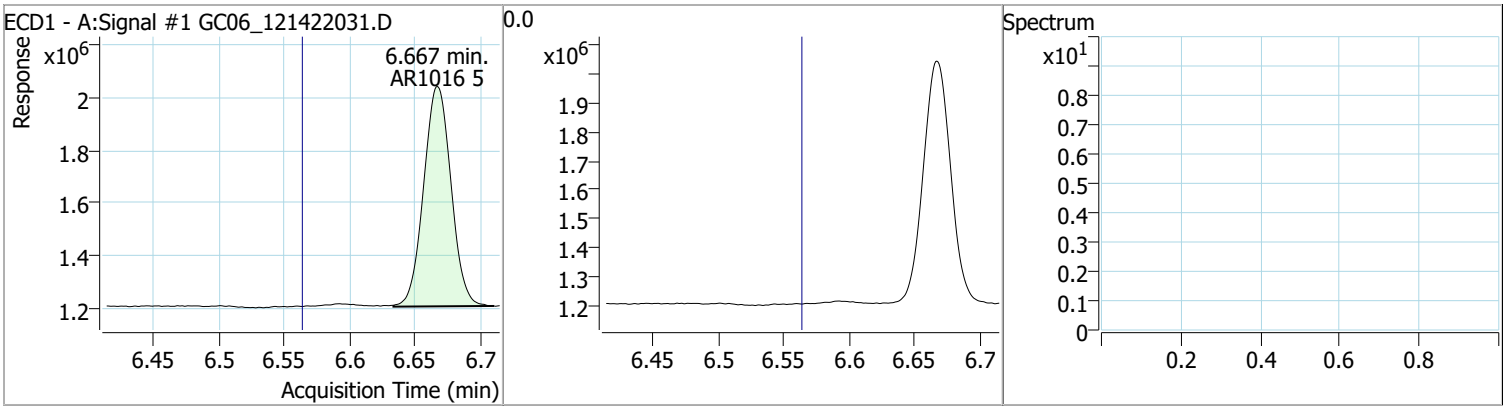
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1.7853	6.34	-0.02	3756				



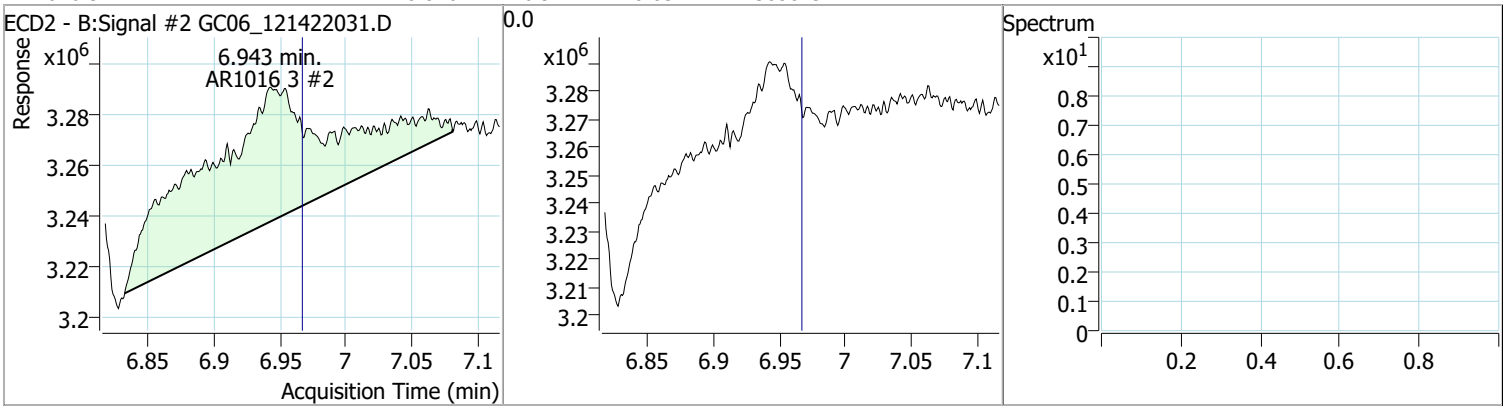
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	0.6300	6.39	-0.01	4692				



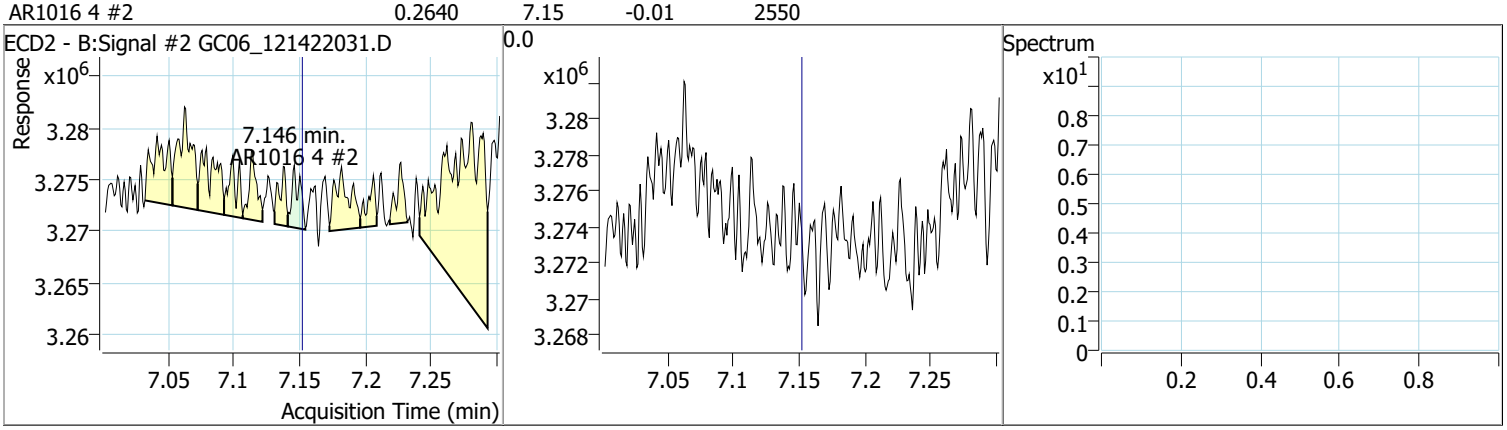
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	719.2924	6.67	0.10	1219000				



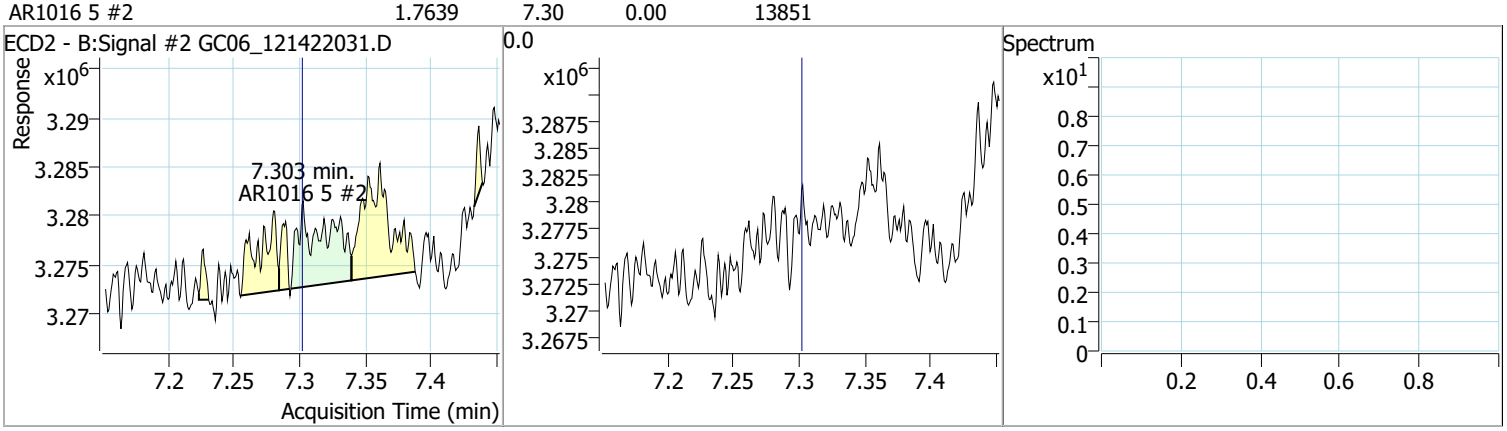
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	28.5167	6.94	-0.03	385879				



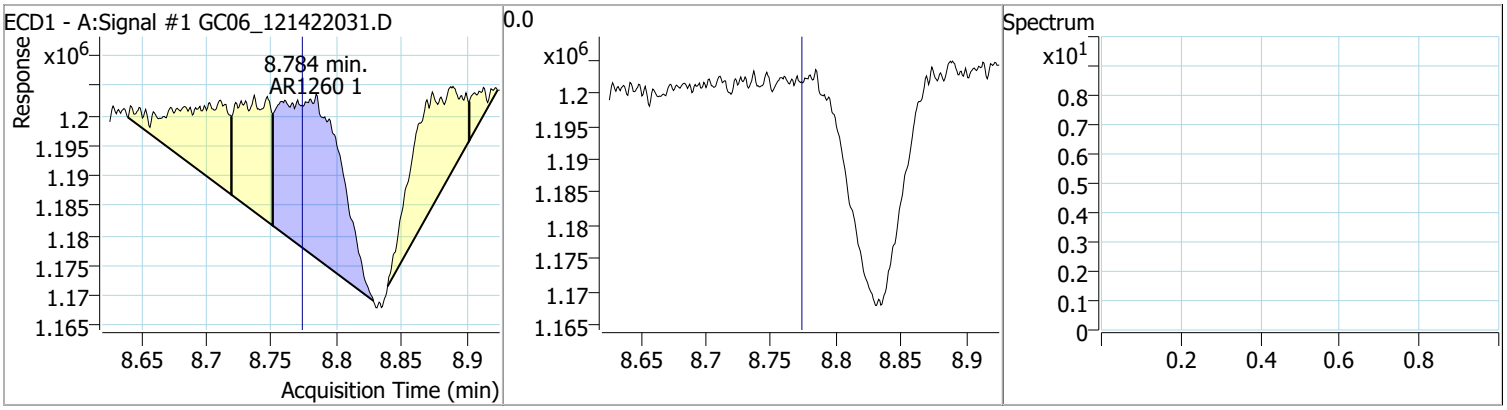
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.2640	7.15	-0.01	2550				



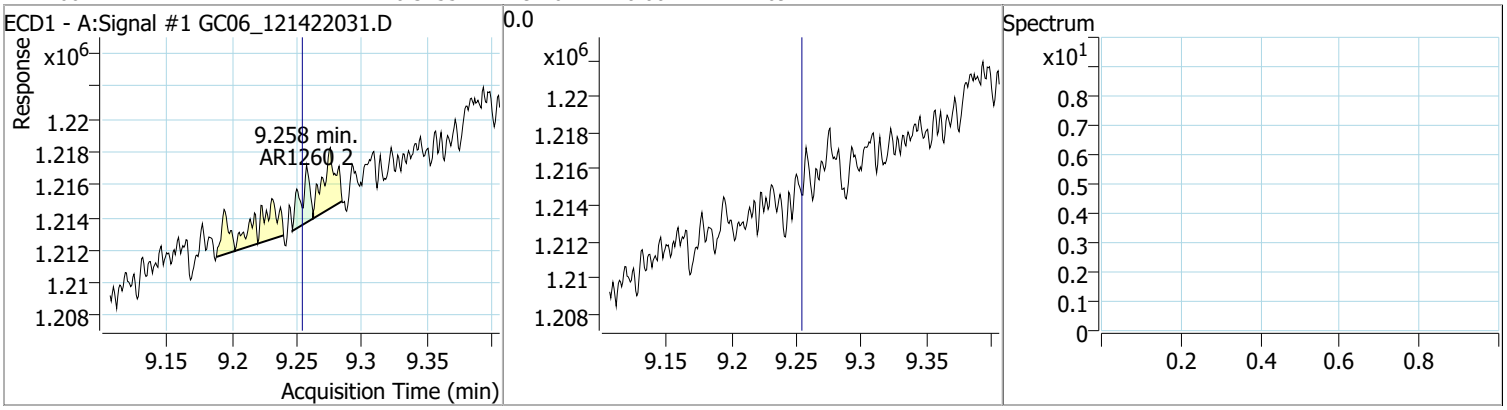
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.7639	7.30	0.00	13851				



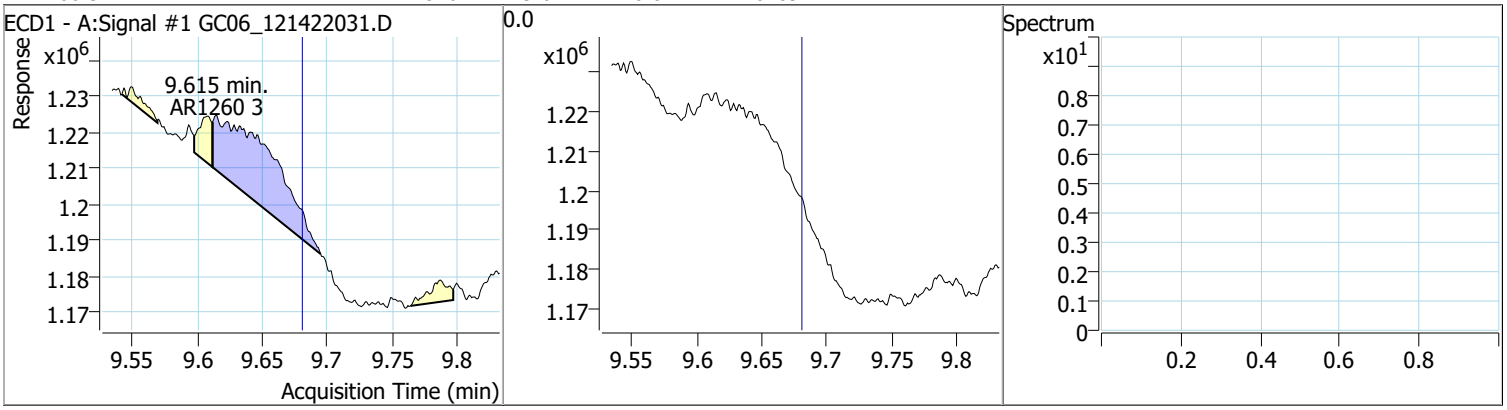
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	24.1472	8.78	0.01	84967				



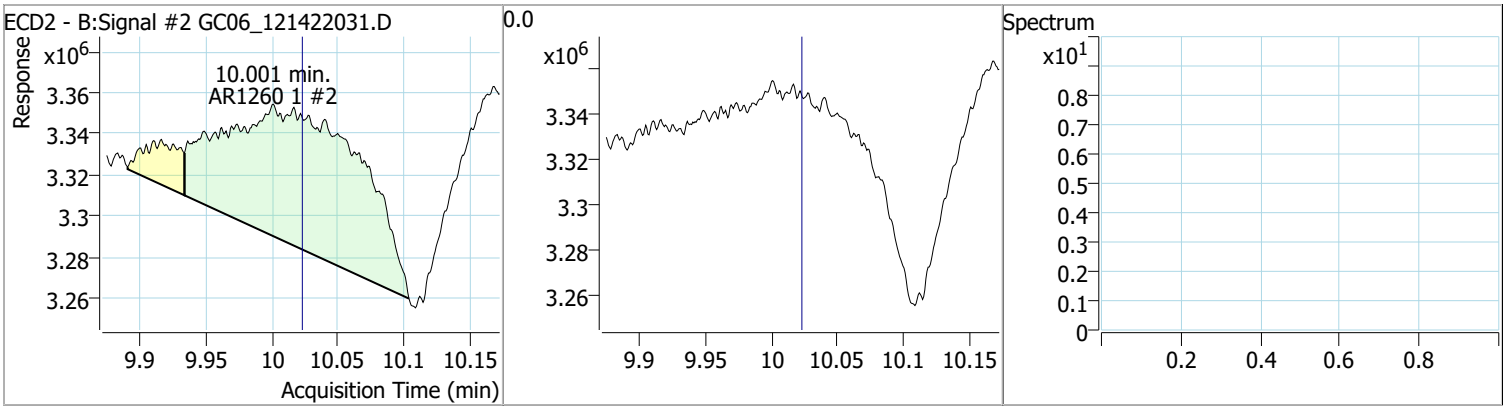
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.3155	9.26	0.00	1692				



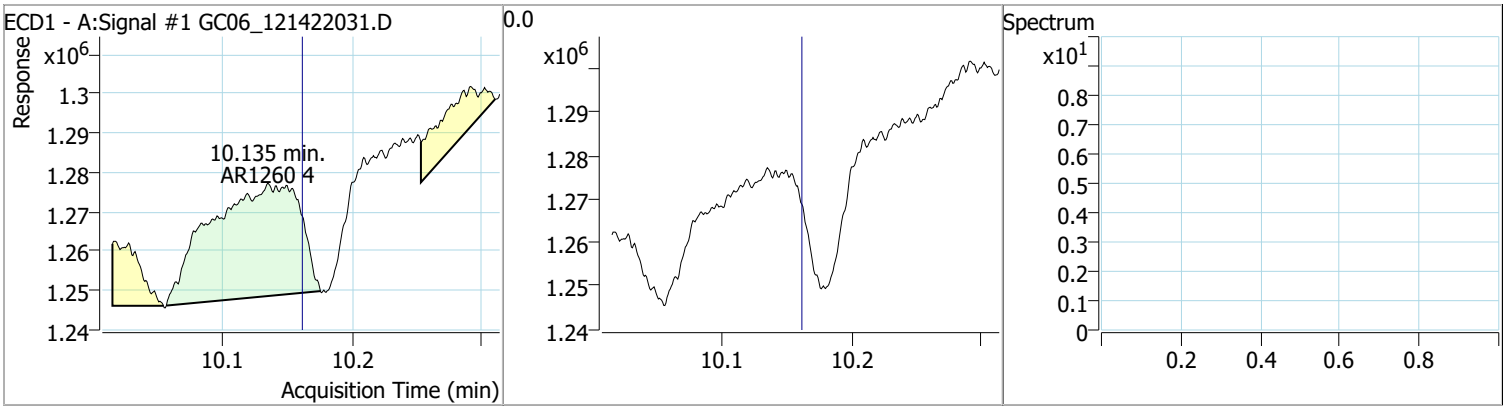
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	11.5761	9.62	-0.07	64892				



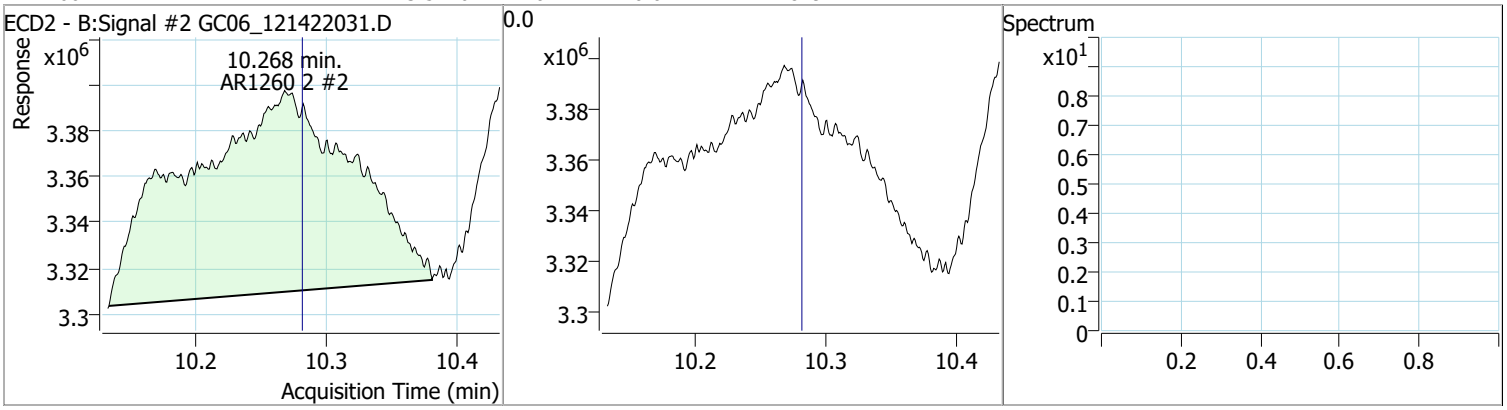
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	33.6675	10.00	-0.02	497343				



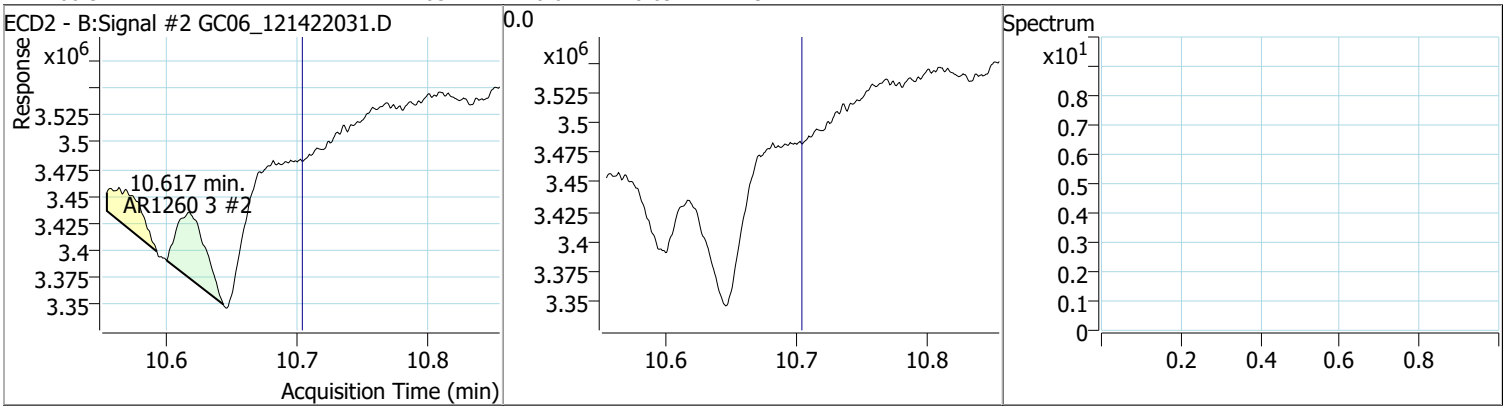
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	31.5562	10.14	-0.03	139146				



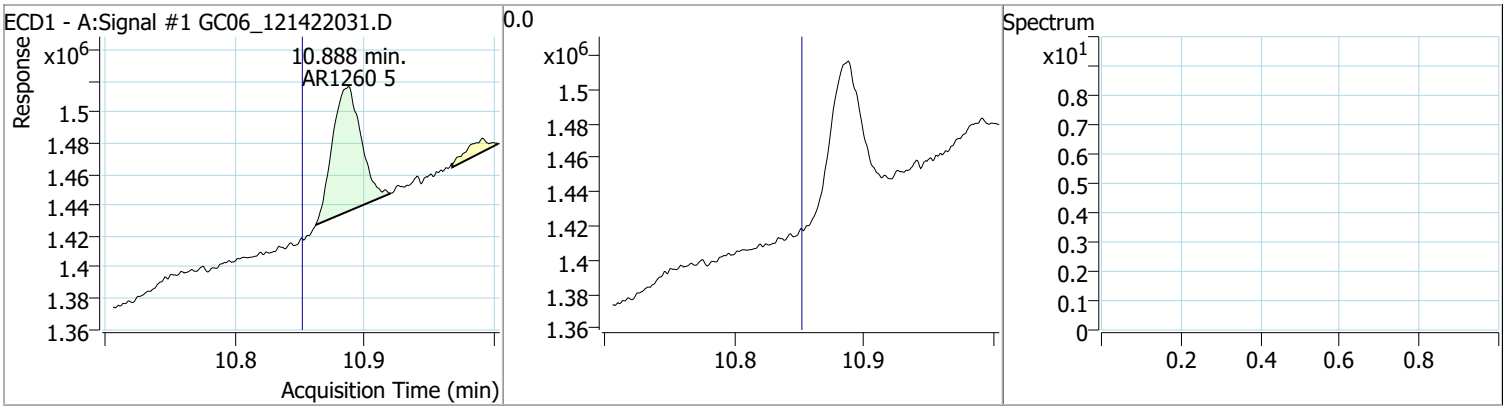
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	43.5446	10.27	-0.02	772879				



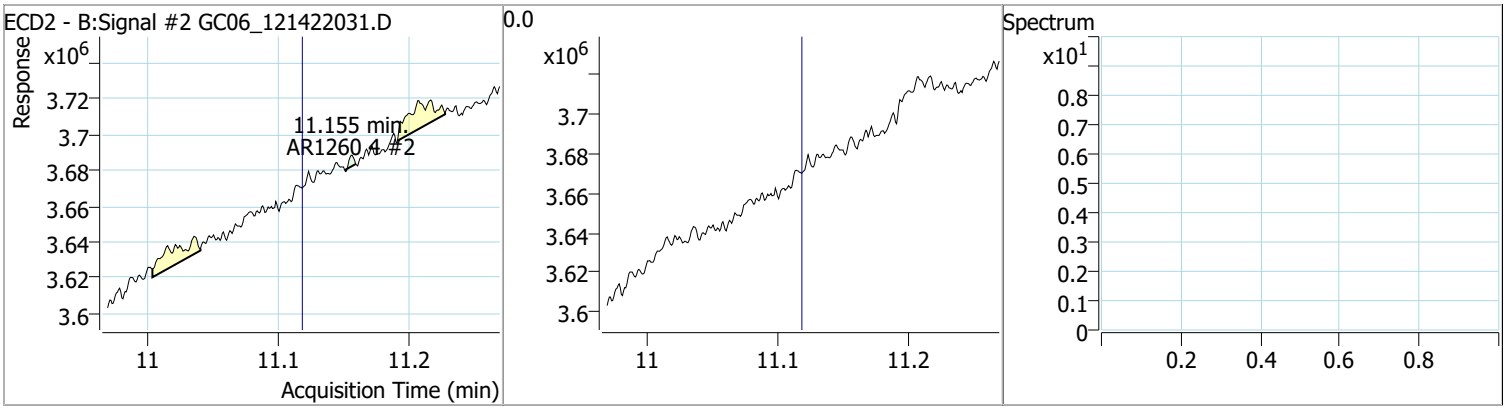
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	4.1057	10.62	-0.09	92241				



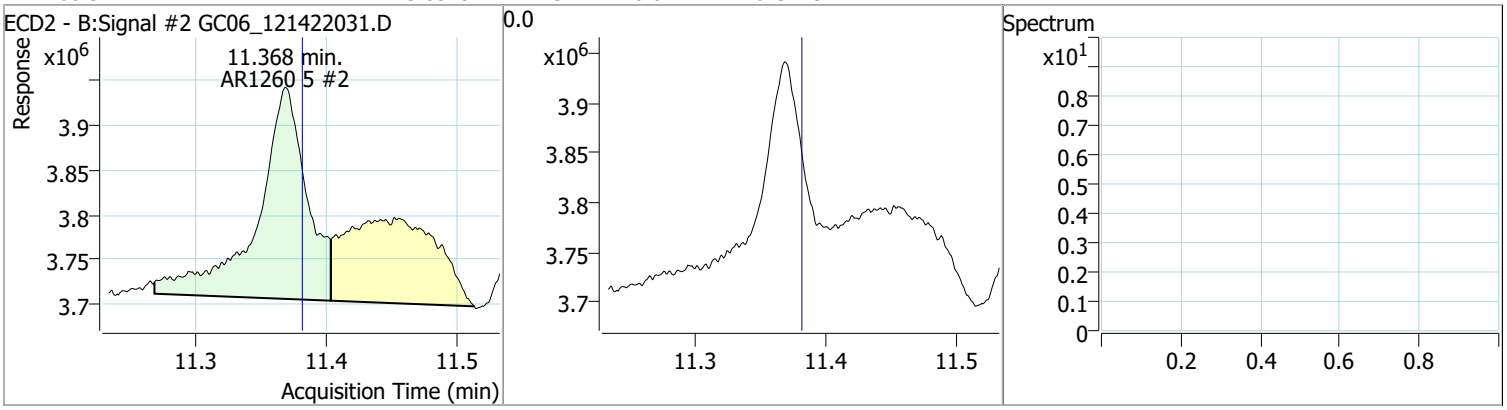
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1.9330	10.89	0.03	125014				



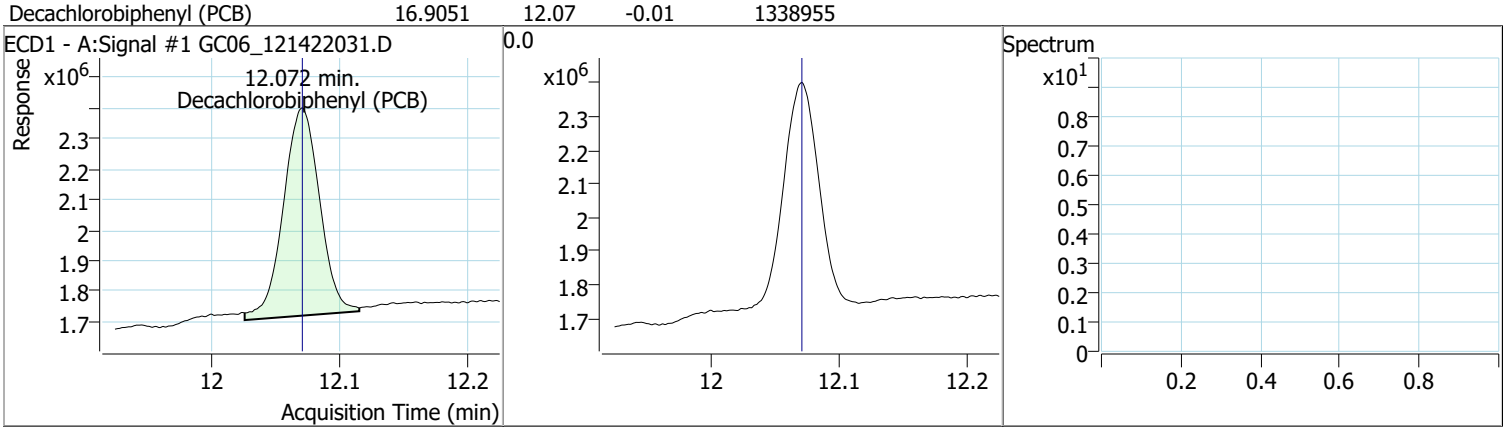
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.16	0.04	1475				



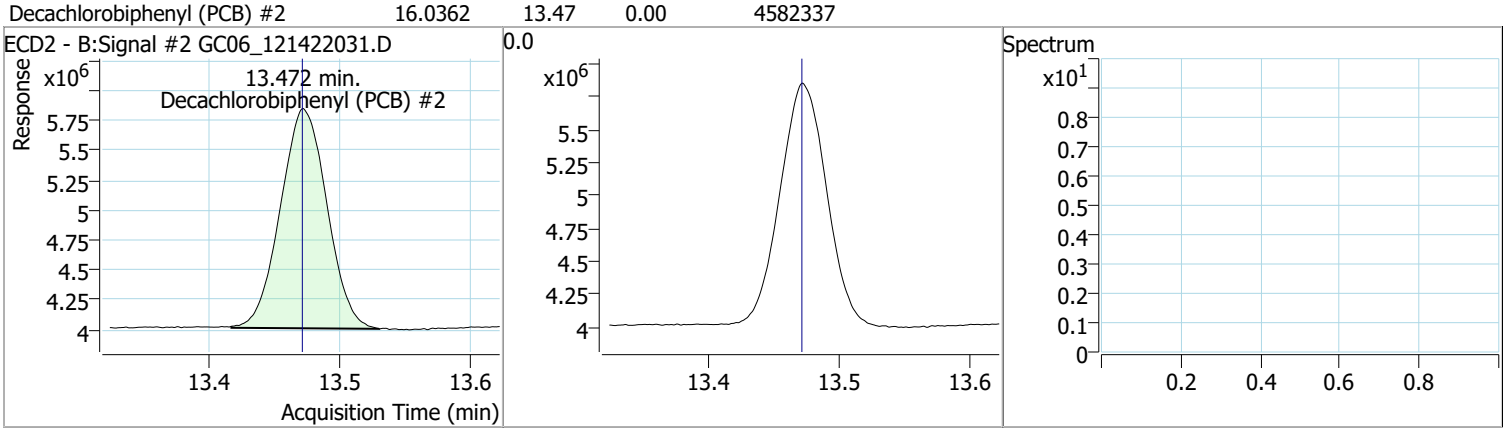
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	15.0548	11.37	-0.02	629443				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	16.9051	12.07	-0.01	1338955				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	16.0362	13.47	0.00	4582337				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474716-011	Client ID:	20221209-3CD-04
Seqnum:	452501809062	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422062	Batch:	303182	Time:	15-DEC-2022 06:43
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.19 dm2 ⇨ 10.0 ml = 8.436 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	96.39	~~0.81~~ ~~FP~~	1.8	76%	0.42		x u
Aroclor-1016 Peak # 1	B	89.57	0.76	0.40	62%			
Aroclor-1016 Peak # 2	B	45.72	0.39	ND	231%			
Aroclor-1016 Peak # 3	B	209.3	1.77	0.83	72%			
Aroclor-1016 Peak # 4	B	20.19	0.17	0.04	131%			
Aroclor-1016 Peak # 5	B	117.2	0.99	7.86	155%			
Aroclor-1221	B		ND			0.42		u
Aroclor-1232	B		ND			0.42		u
Aroclor-1242	B		ND			0.42		u
Aroclor-1248	B		ND			0.42		u
Aroclor-1254	B		ND			0.42		u
Aroclor-1260	B	39.78	ND	0.40	16%	0.42		u
Aroclor-1260 Peak # 1	B	80.71	0.68	0.90	28%			
Aroclor-1260 Peak # 2	B	90.08	0.76	0.00	200%			
Aroclor-1260 Peak # 3	B	9.524	0.08	0.16	69%			
Aroclor-1260 Peak # 4	B	-7.882	ND	0.83	235%			
Aroclor-1260 Peak # 5	B	26.49	0.22	0.08	95%			
Aroclor-1262	B		ND			0.42		u
Aroclor-1268	B		ND			0.42		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	32.85	0.4218	0.2771	66	19-121	u
Decachlorobiphenyl (PCB)	B	26.78	0.4218	0.2259	54	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422036)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5560467	5497910	-1.13
1-bromo-2-nitrobenzene (PCB)	A	1170615	1225742	4.71

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

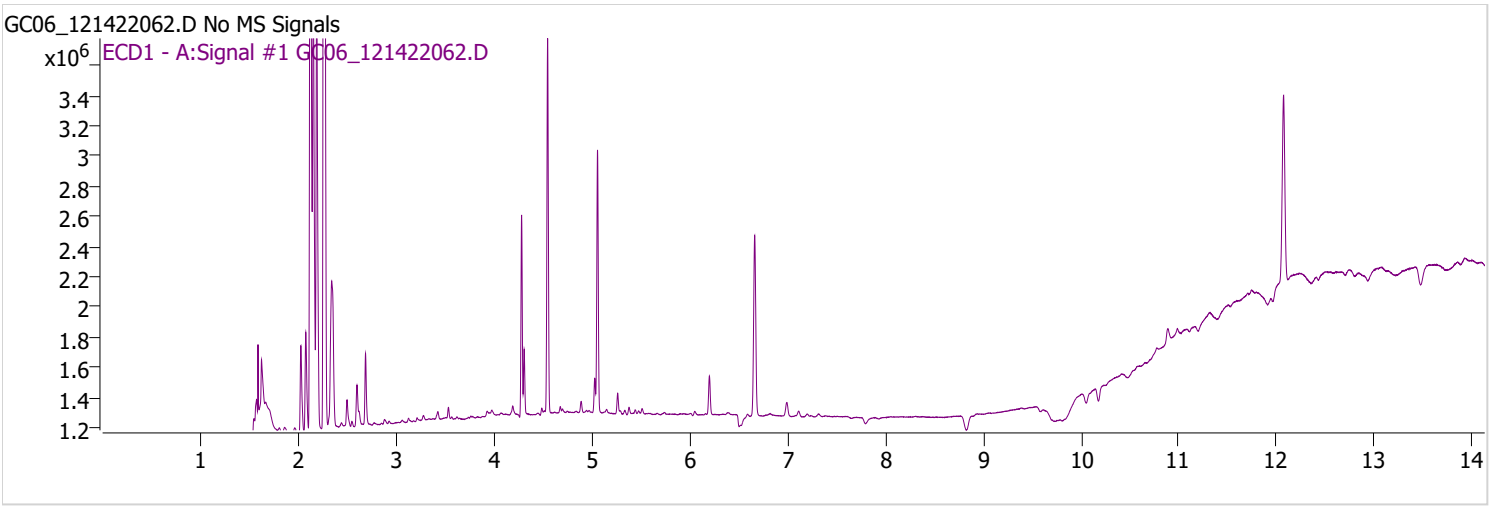
ISTD (CCV gc06_121422036)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

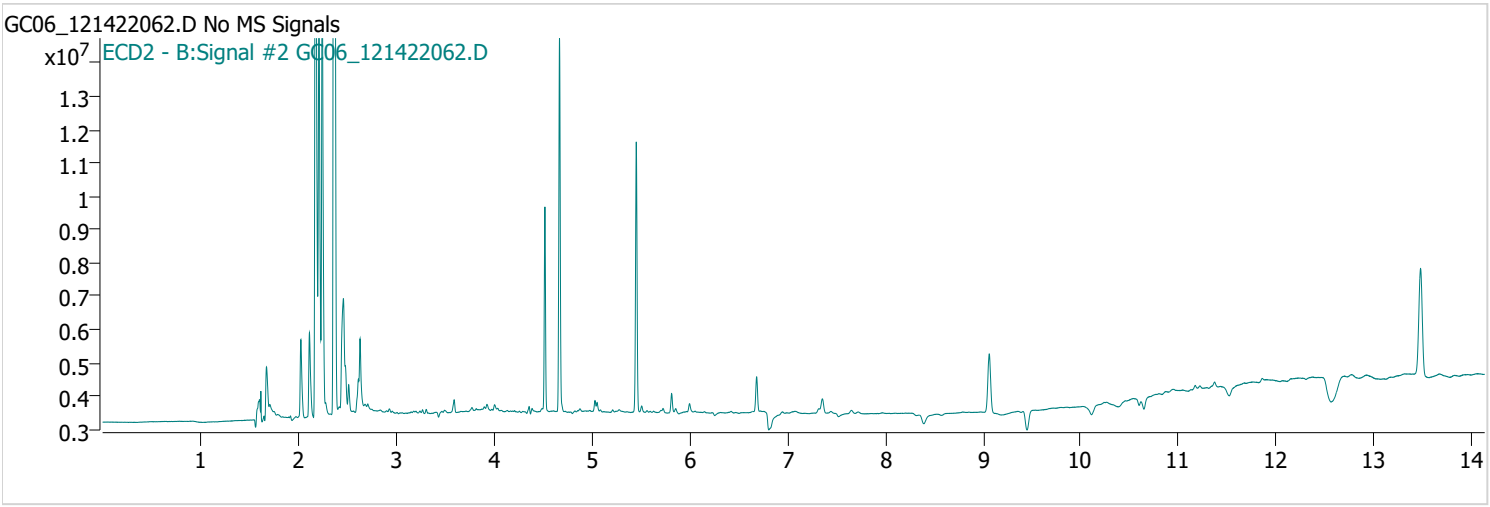
Analyst: MES 12/15/22

Reviewer: LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422062.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 6:43:00 AM
Sample Name	474716-011, 303182, 1	Instrument	SVOA-GC06
Vial	45	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



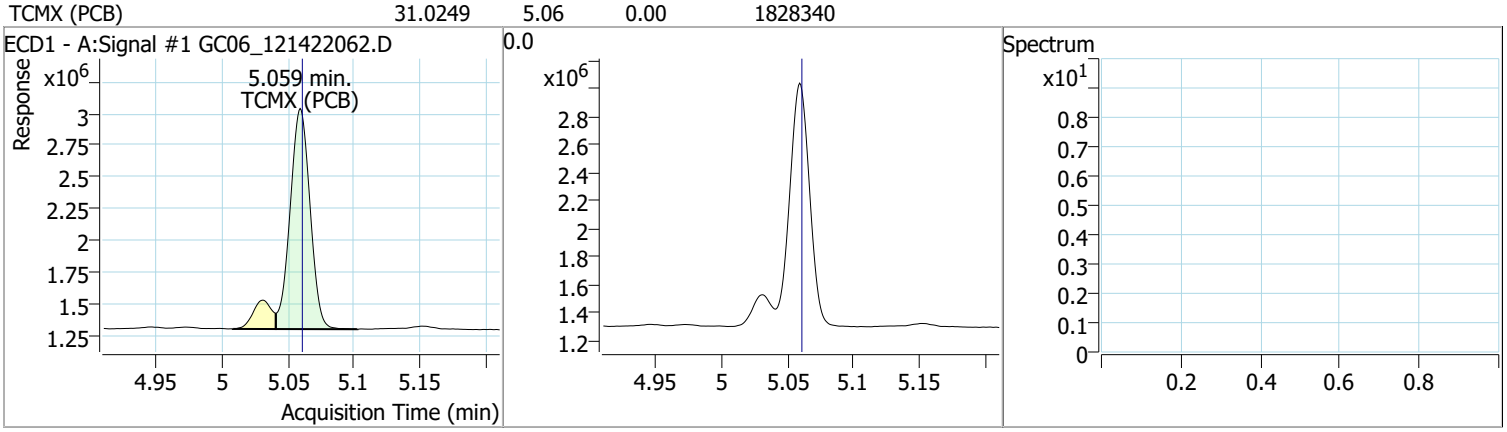


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.283	0.0	1225742.123	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	5497910.008	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.059	0.0	1828340.079	31.0249	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 155.12%		*	
S TCMX (PCB) #2	5.456	0.0	8673428.075	32.8496	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 164.25%		*	
S Decachlorobiphenyl (PCB)	12.072	0.0	2575626.356	30.3473	ng/ml		-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 151.74%		*	
S Decachlorobiphenyl (PCB) #2	13.472	0.0	8079868.200	26.7801	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 133.90%			
Target Compounds							QValue

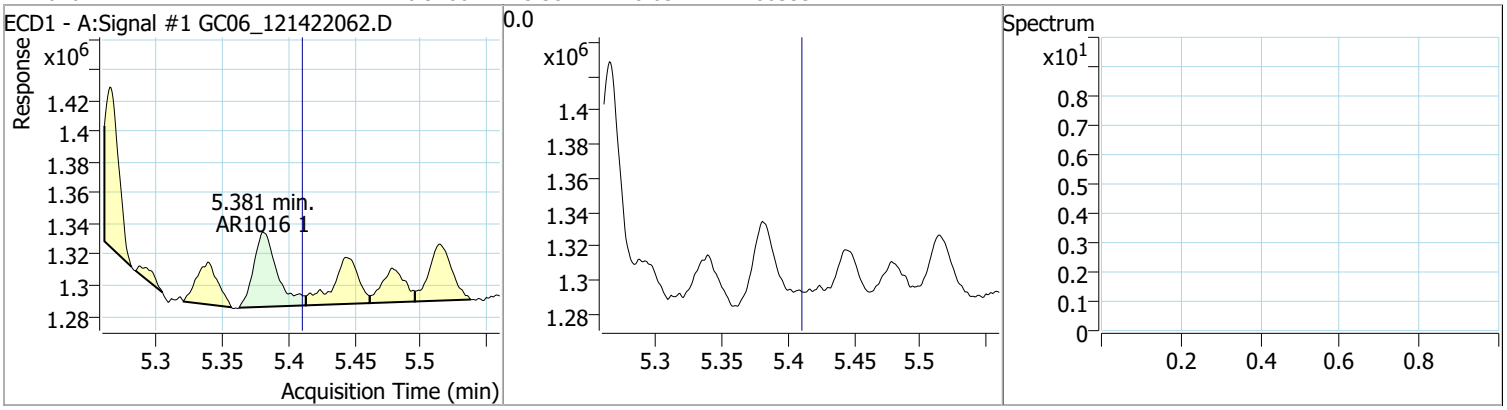
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.381	0.0	60333.003	46.9480	ng/ml	100
T AR1016 2	5.745	0.0	30867.174	0.0000	ng/ml	100
T AR1016 1 #2	6.000	0.0	511828.188	89.5729	ng/ml	100
T AR1016 3	6.203	0.0	320210.920	98.2768	ng/ml	100
T AR1016 4	6.338	0.0	10342.505	4.1736	ng/ml	100
T AR1016 2 #2	6.425	0.0	377092.907	45.7162	ng/ml	100
T AR1016 5	6.666	0.0	1858738.193	931.2295	ng/ml	100
T AR1016 3 #2	7.078	0.0	3136771.125	209.2897	ng/ml	100
T AR1016 4 #2	7.078	0.0	216072.993	20.1940	ng/ml	100
T AR1016 5 #2	7.358	0.0	1019328.761	117.2004	ng/ml	100
T AR1260 1	8.762	0.0	442995.775	106.8938	ng/ml	100
T AR1260 2	9.231	0.0	654.549	0.1036	ng/ml	100
T AR1260 3	9.622	0.0	128569.790	19.4737	ng/ml	100
T AR1260 1 #2	10.019	0.0	1320520.876	80.7080	ng/ml	100
T AR1260 4	10.143	0.0	398187.992	98.7479	ng/ml	100
T AR1260 2 #2	10.263	0.0	1770830.607	90.0775	ng/ml	100
T AR1260 3 #2	10.613	0.0	236989.339	9.5238	ng/ml	100
T AR1260 5	10.887	0.0	202651.455	9.4721	ng/ml	100
T AR1260 4 #2	11.169	0.0	215392.104	0.0000	ng/ml	100
T AR1260 5 #2	11.368	0.0	933874.631	26.5010	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

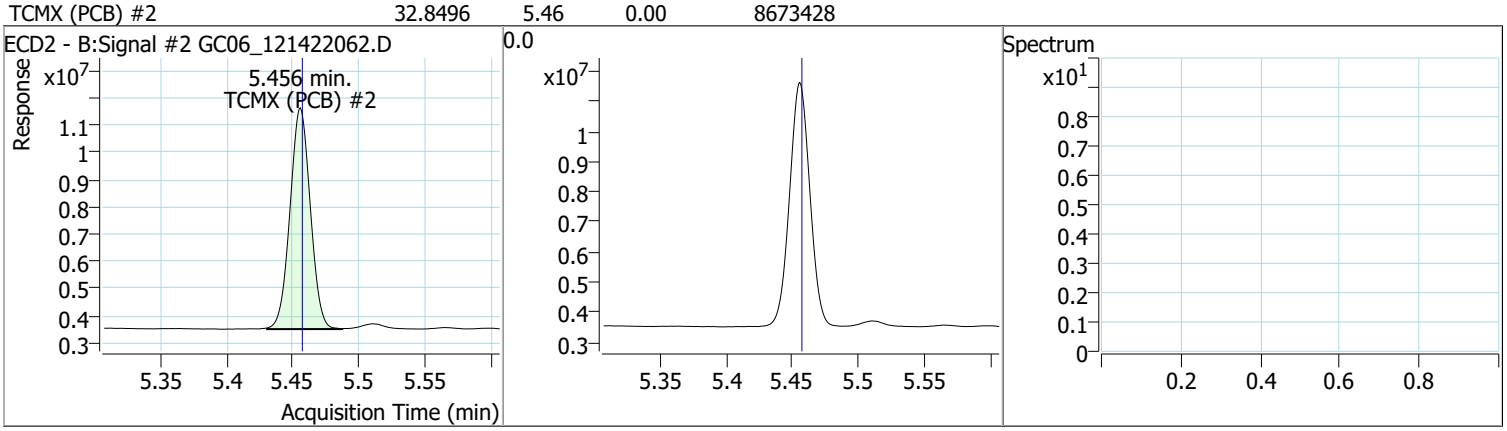
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.0249	5.06	0.00	1828340				



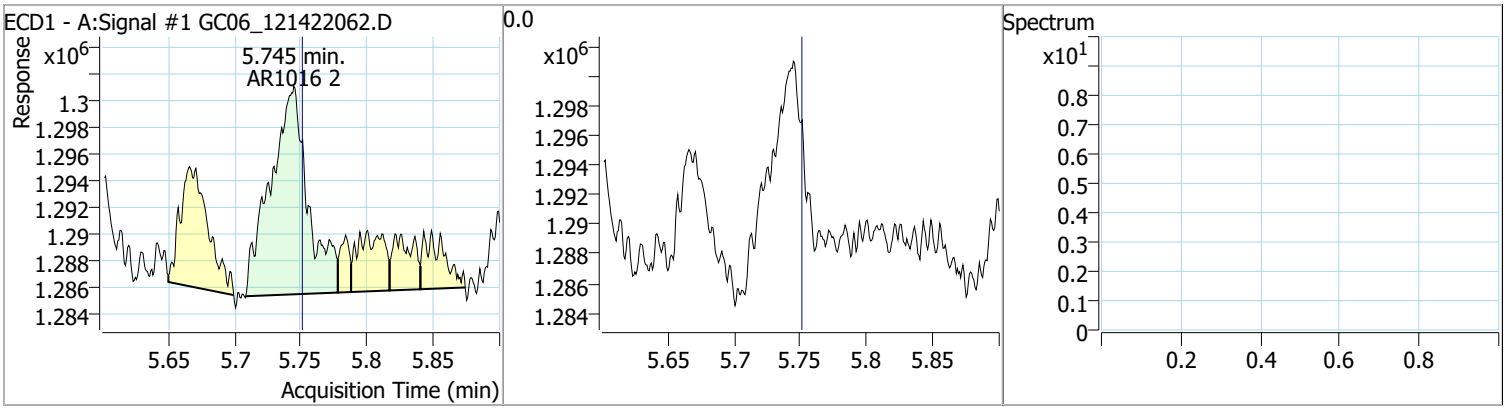
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	46.9480	5.38	-0.03	60333				



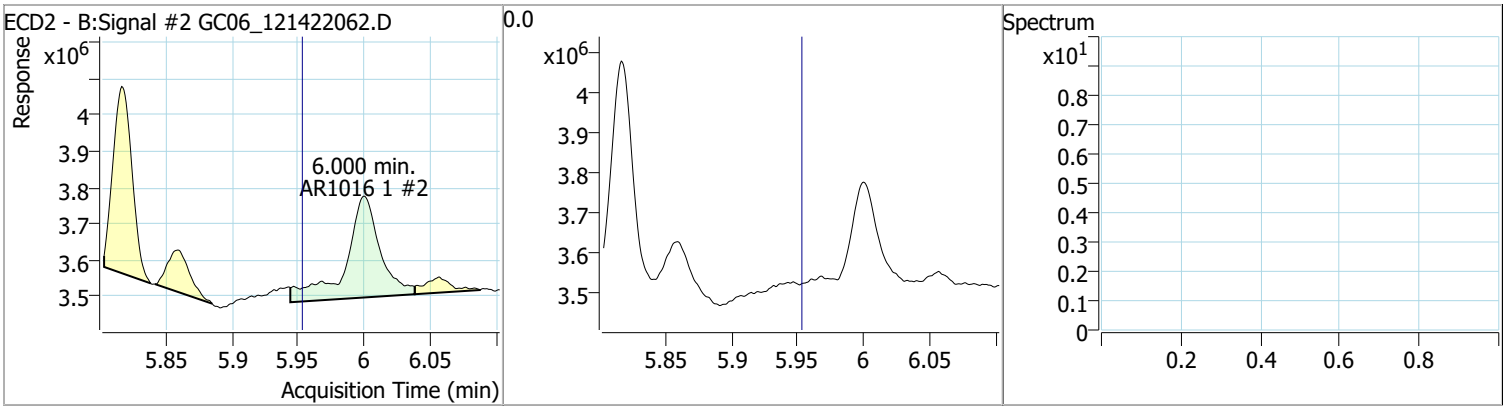
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.8496	5.46	0.00	8673428				



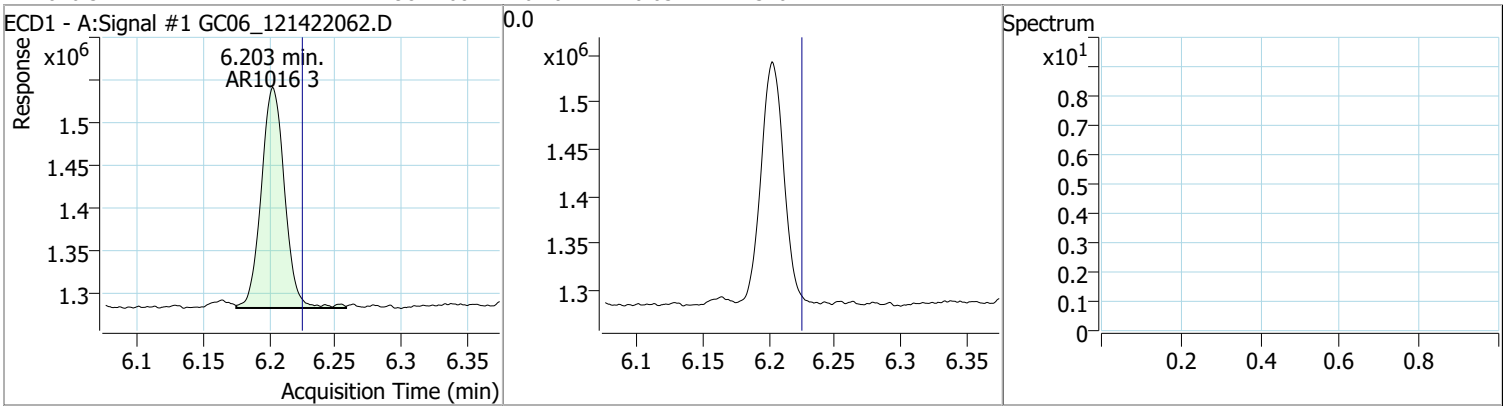
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.75	-0.01	30867				



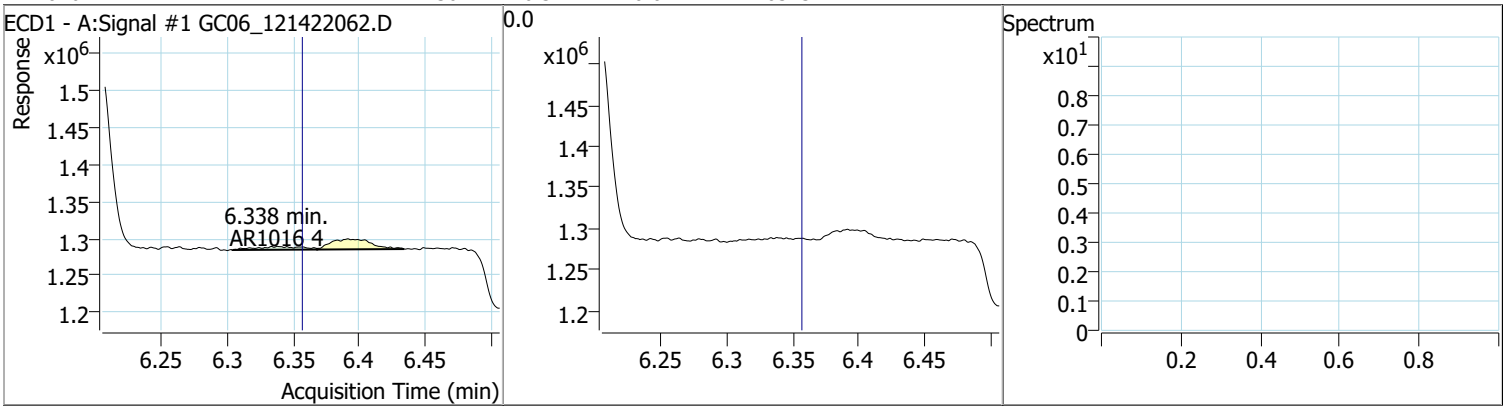
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	89.5729	6.00	0.05	511828				



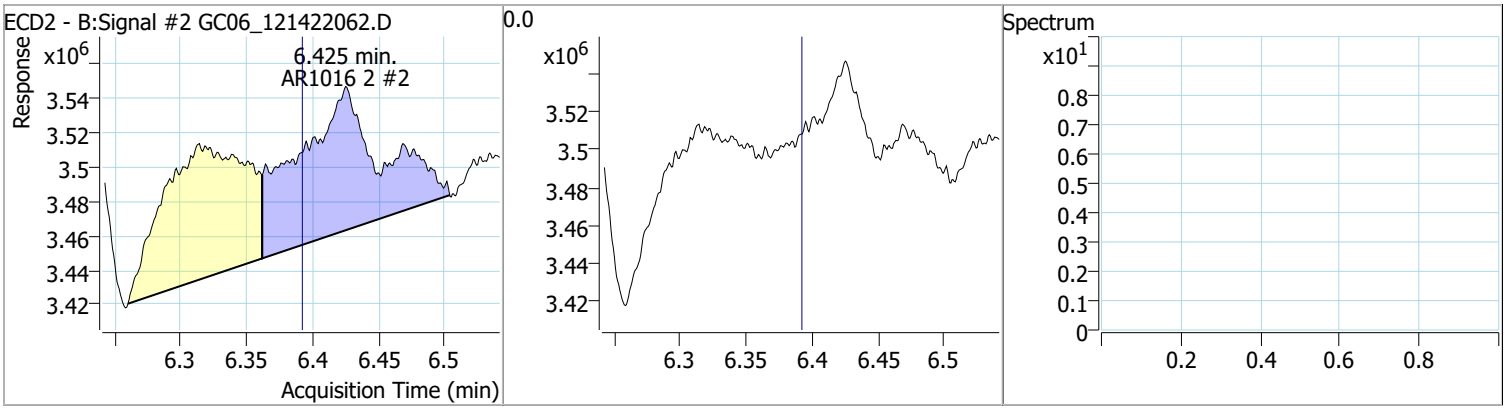
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	98.2768	6.20	-0.03	320211				



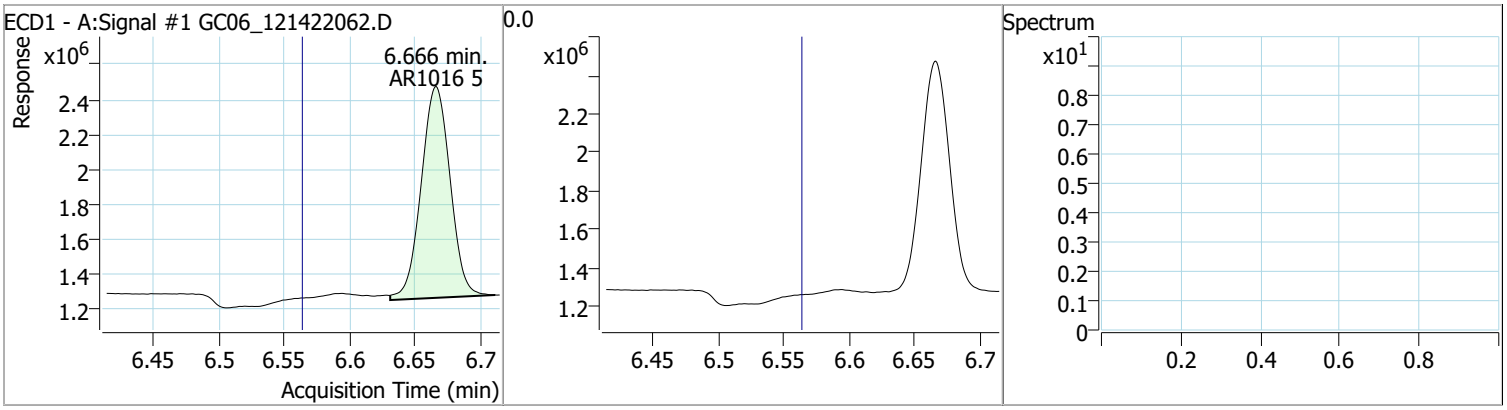
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	4.1736	6.34	-0.02	10343				



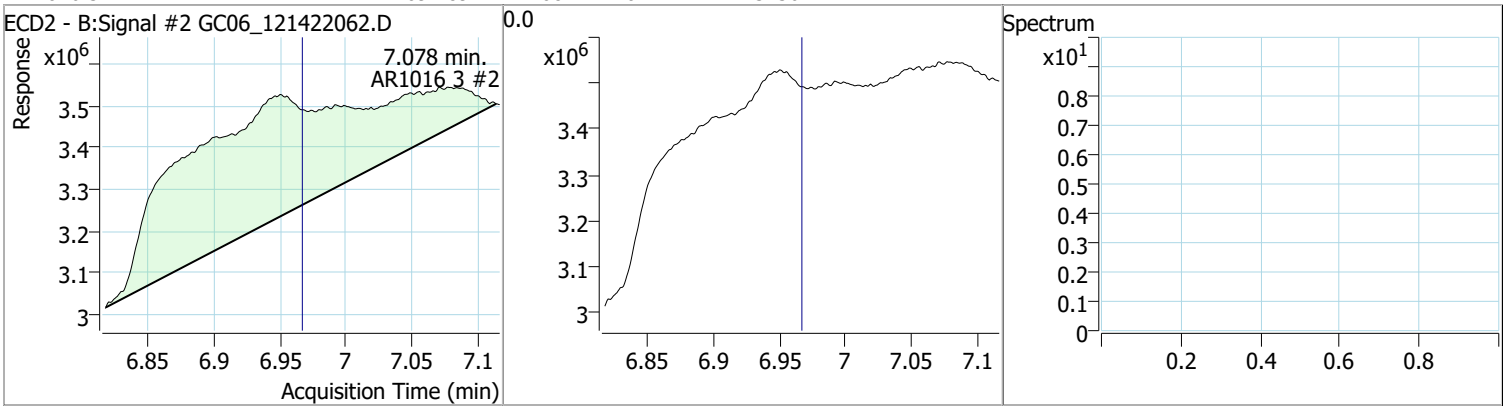
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	45.7162	6.43	0.03	377093				



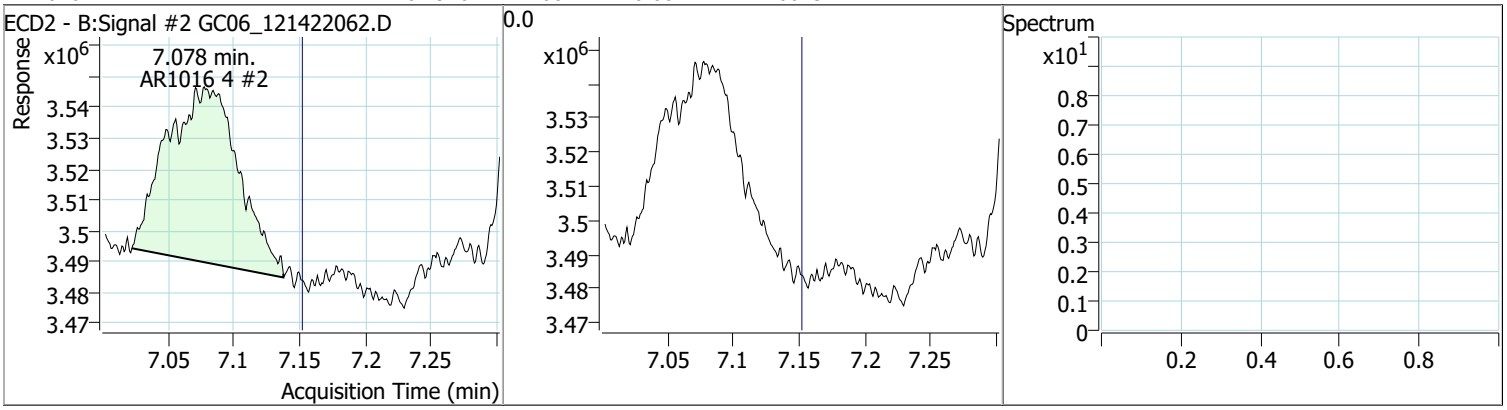
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	931.2295	6.67	0.10	1858738				



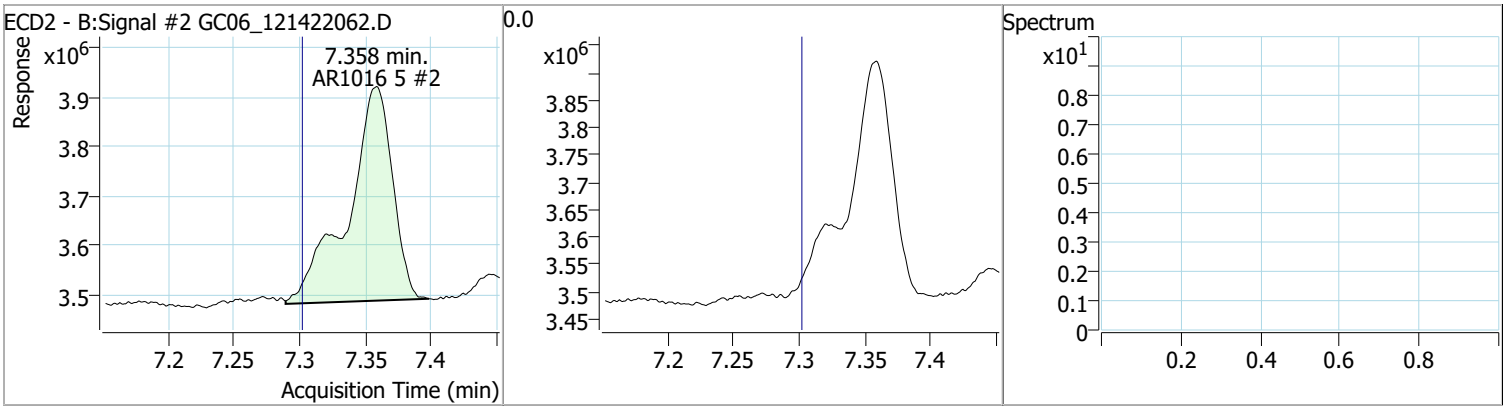
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	209.2897	7.08	0.11	3136771				



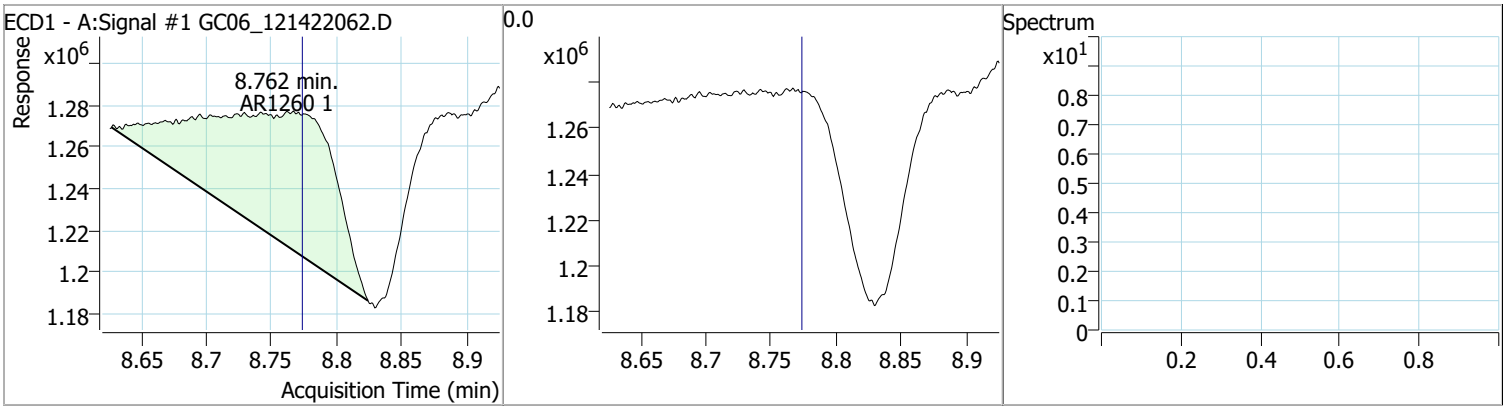
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	20.1940	7.08	-0.08	216073				



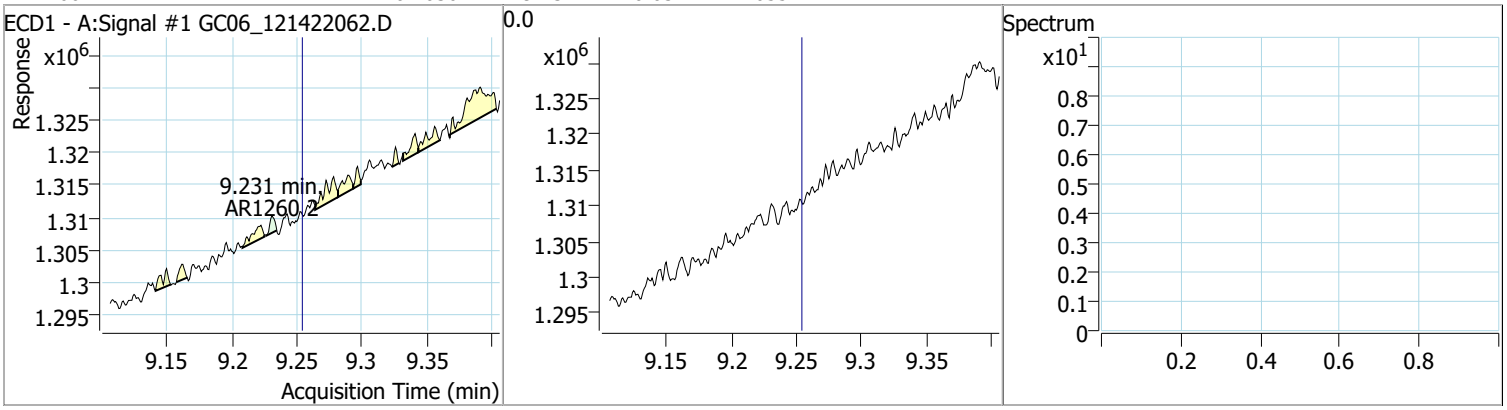
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	117.2004	7.36	0.06	1019329				



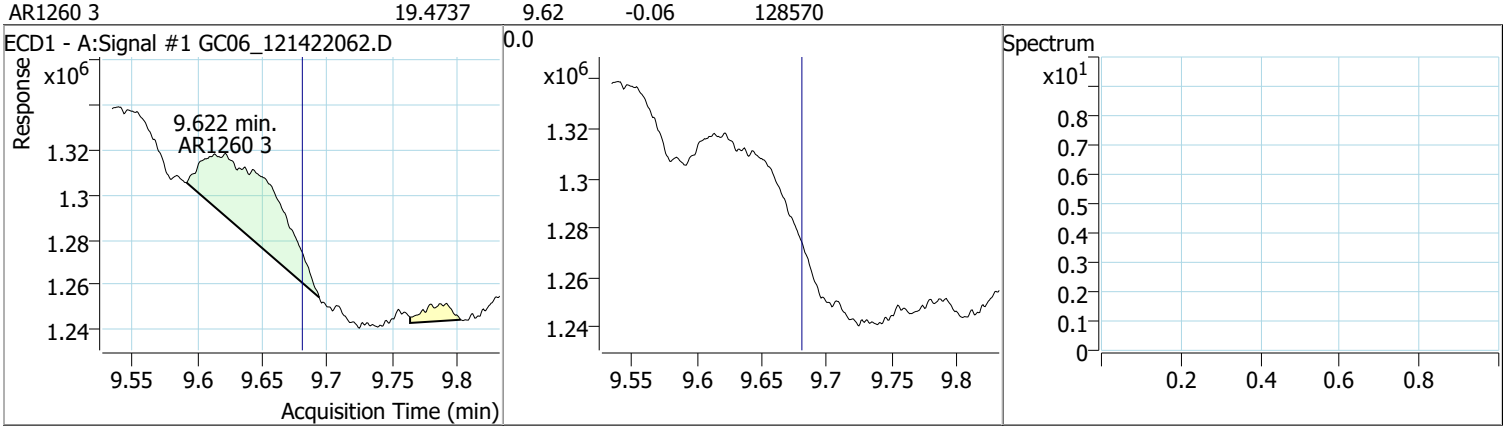
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	106.8938	8.76	-0.02	442996				



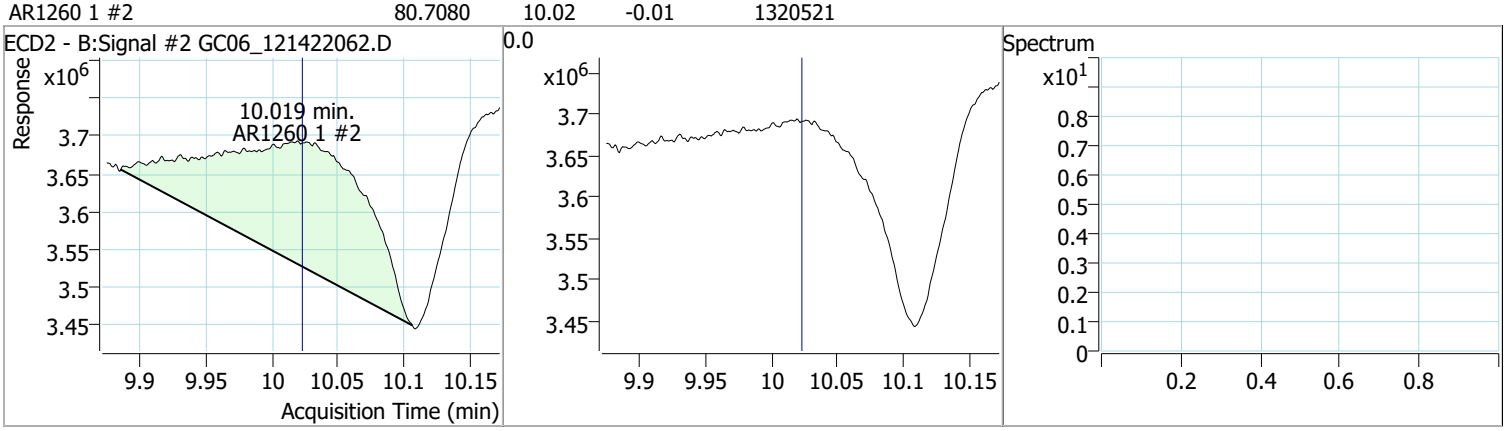
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.1036	9.23	-0.03	655				



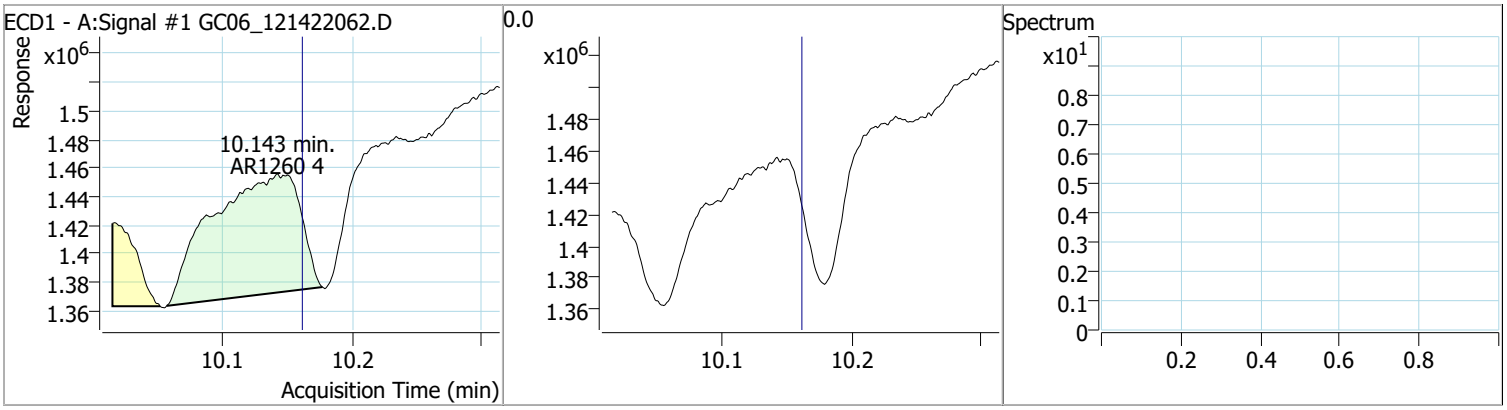
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	19.4737	9.62	-0.06	128570				



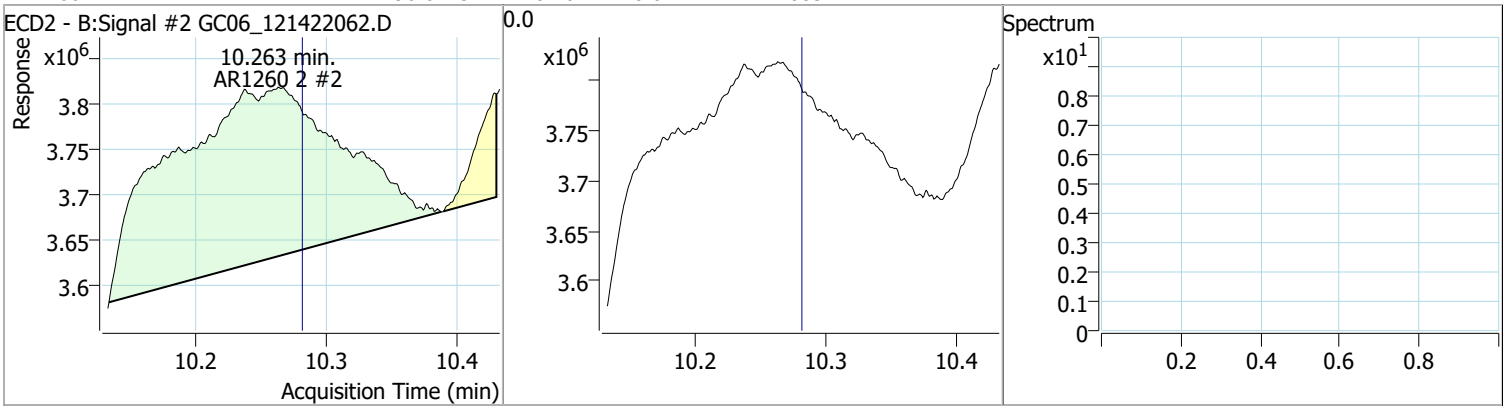
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	80.7080	10.02	-0.01	1320521				



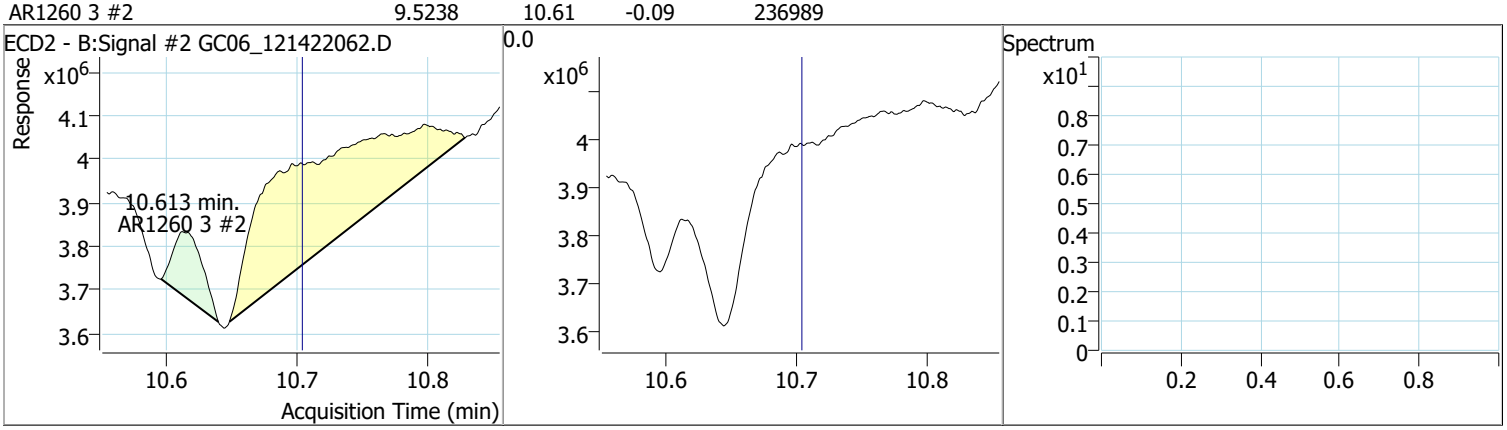
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	98.7479	10.14	-0.02	398188				



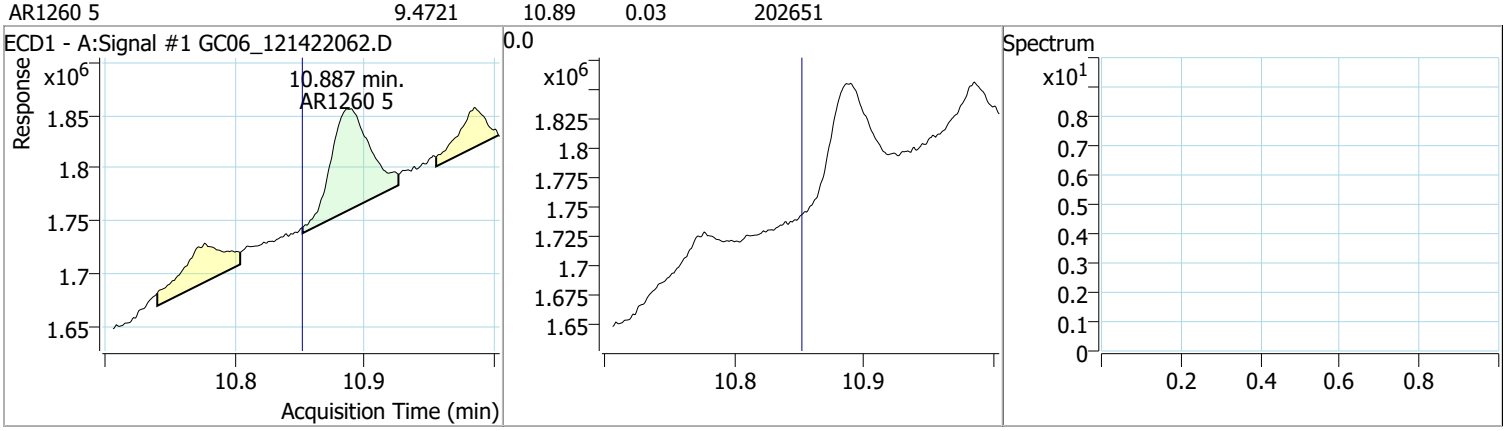
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	90.0775	10.26	-0.02	1770831				



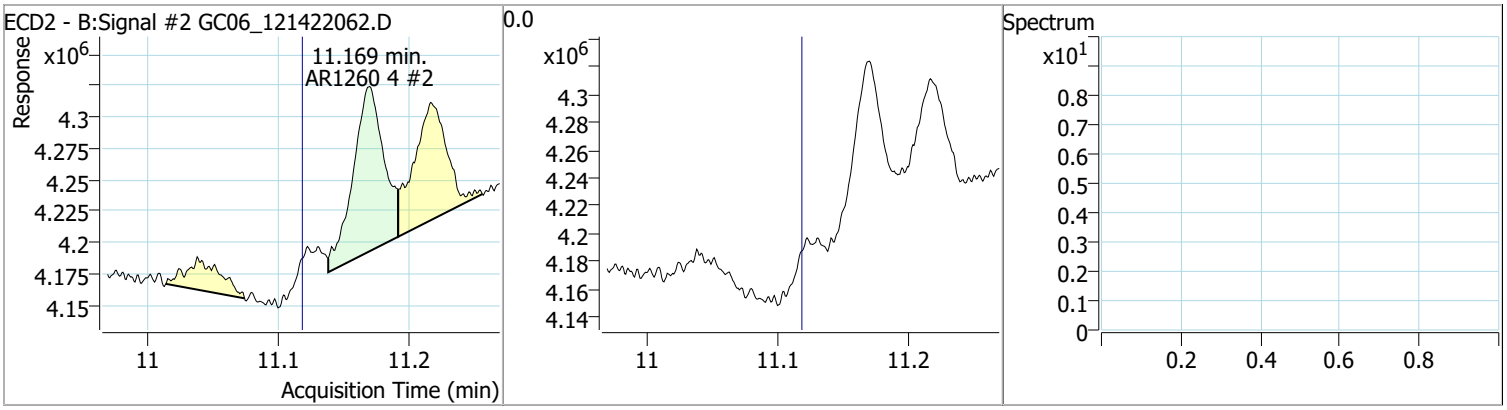
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	9.5238	10.61	-0.09	236989				



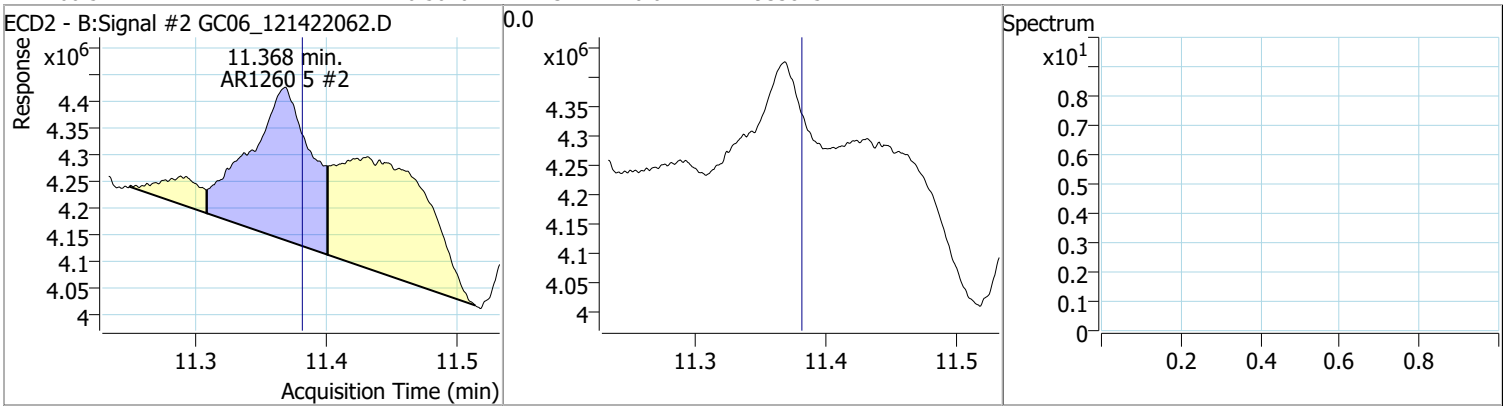
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	9.4721	10.89	0.03	202651				



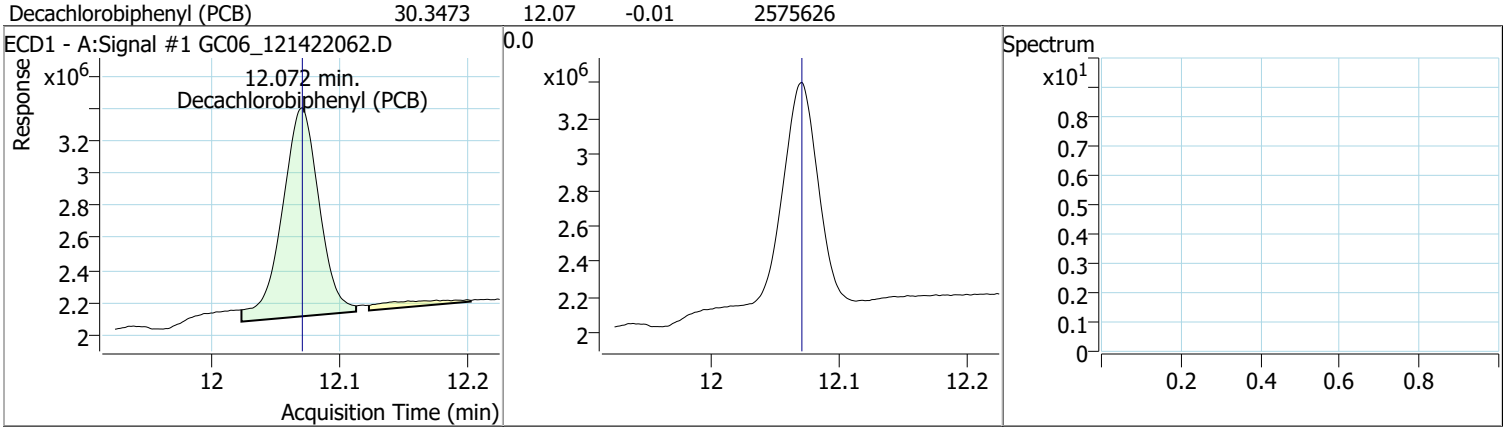
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.17	0.05	215392				



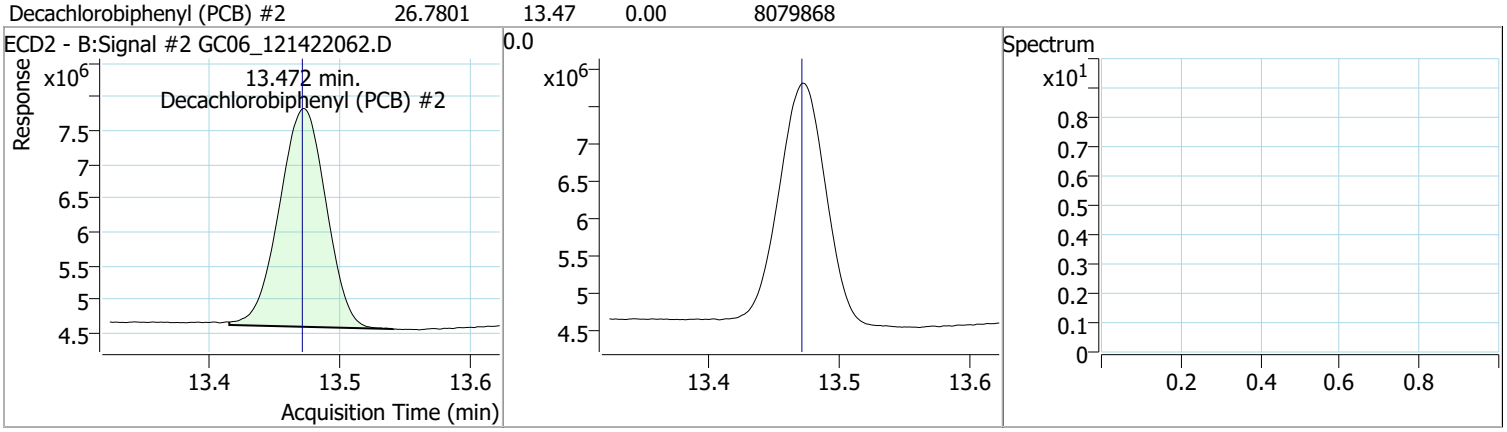
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	26.5010	11.37	-0.02	933875				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	30.3473	12.07	-0.01	2575626				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	26.7801	13.47	0.00	8079868				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474716-012	Client ID:	20221209-3CD-04-DUP
Seqnum:	452501809032	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422032	Batch:	303181	Time:	14-DEC-2022 21:32
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	18.01	ND	3.8	165%	0.50		u
Aroclor-1016 Peak # 1	B	55.94	1.12	0.78	35%			
Aroclor-1016 Peak # 2	B	0.7833	0.02	ND	-265%			
Aroclor-1016 Peak # 3	B	30.55	0.61	0.79	26%			
Aroclor-1016 Peak # 4	B	0.4652	0.01	0.01	11%			
Aroclor-1016 Peak # 5	B	2.319	0.05	17.46	199%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	14.91	ND	0.34	13%	0.50		u
Aroclor-1260 Peak # 1	B	37.43	0.75	0.78	4%			
Aroclor-1260 Peak # 2	B	43.87	0.88	0.00	199%			
Aroclor-1260 Peak # 3	B	3.474	0.07	0.34	132%			
Aroclor-1260 Peak # 4	B	-22.93	ND	0.59	1560%			
Aroclor-1260 Peak # 5	B	12.72	0.25	ND	232%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	17.98	0.5000	0.3596	72	52-121	u
Decachlorobiphenyl (PCB)	B	16.86	0.5000	0.3372	67	50-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5307613	4921275	-7.28
1-bromo-2-nitrobenzene (PCB)	A	1103956	1034294	-6.31

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

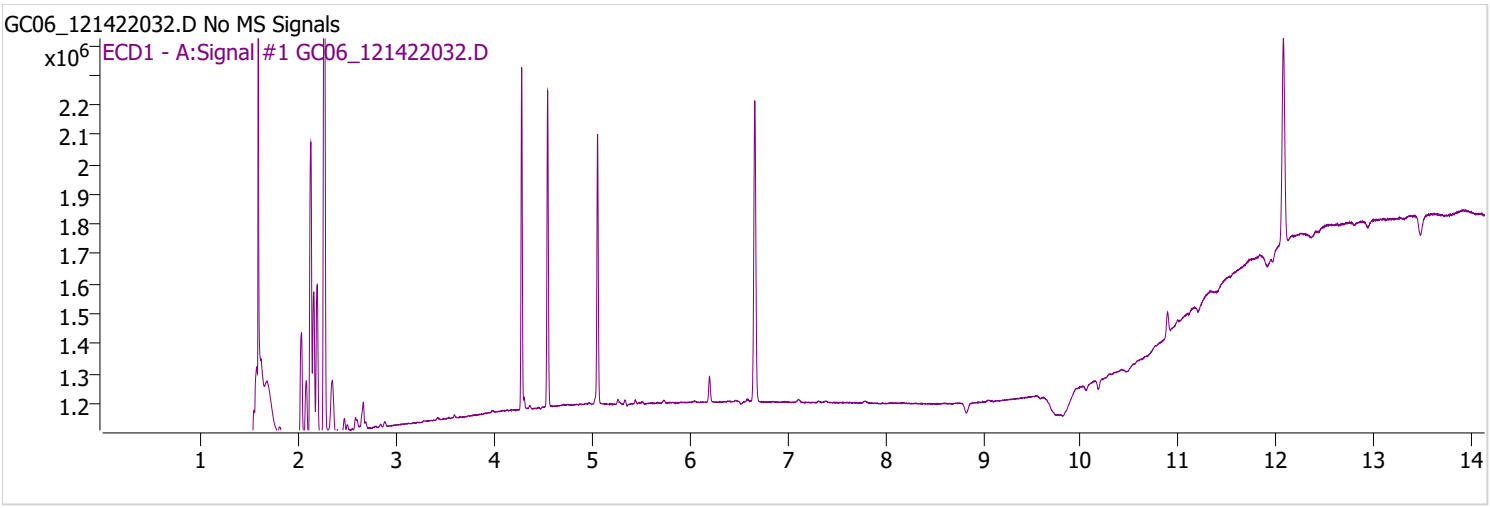
ISTD (CCV gc06_121422004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.28	-0.01

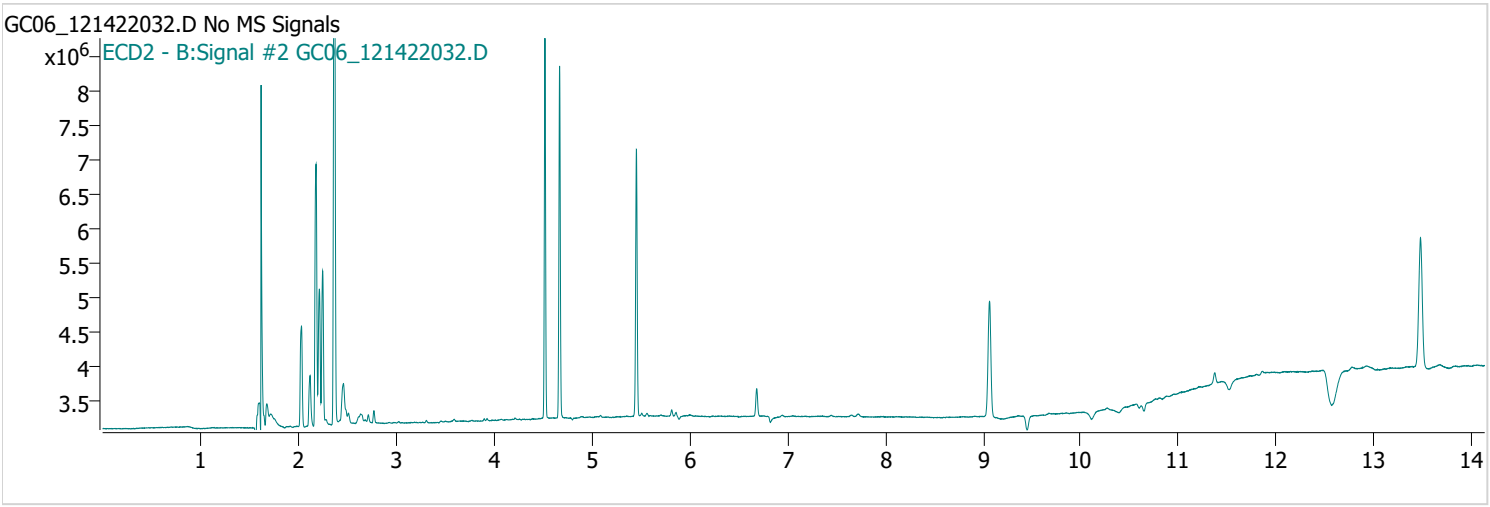
Analyst: MES 12/15/22

Reviewer: LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422032.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 9:32:49 PM
Sample Name	474716-012, 303181, 1	Instrument	SVOA-GC06
Vial	21	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



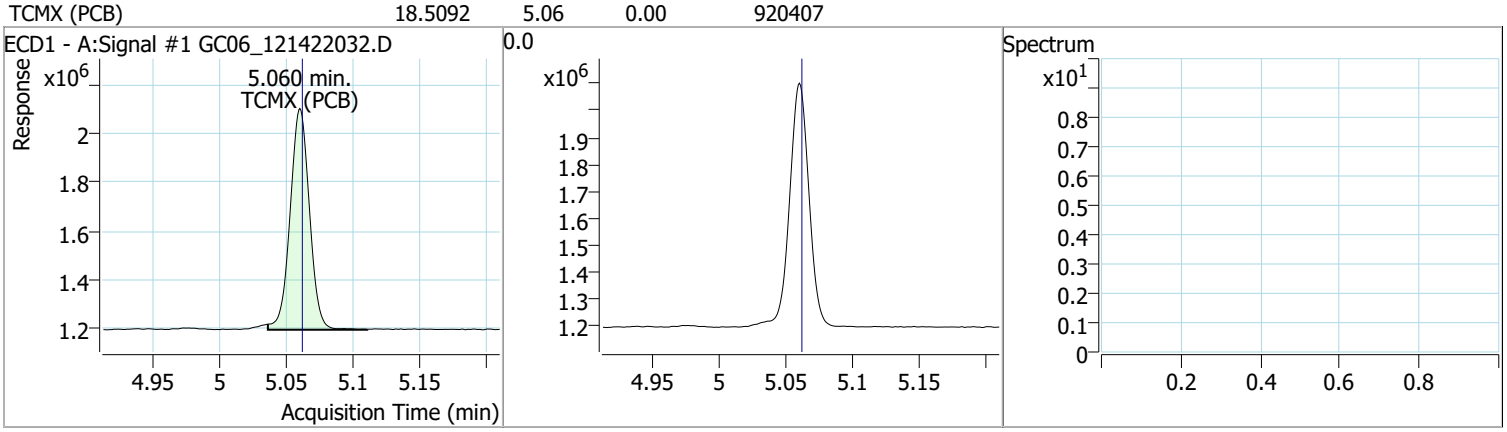


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	1034294.344	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.523	0.0	4921275.422	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.060	0.0	920407.343	18.5092	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 92.55%		
S TCMX (PCB) #2	5.457	0.0	4249523.183	17.9804	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 89.90%		
S Decachlorobiphenyl (PCB)	12.070	0.0	1411181.423	18.1892	ng/ml	-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 90.95%		
S Decachlorobiphenyl (PCB) #2	13.471	0.0	4749708.599	16.8617	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 84.31%		
Target Compounds						QValue
T AR1016 1	5.448	0.0	42536.160	39.2261	ng/ml	100

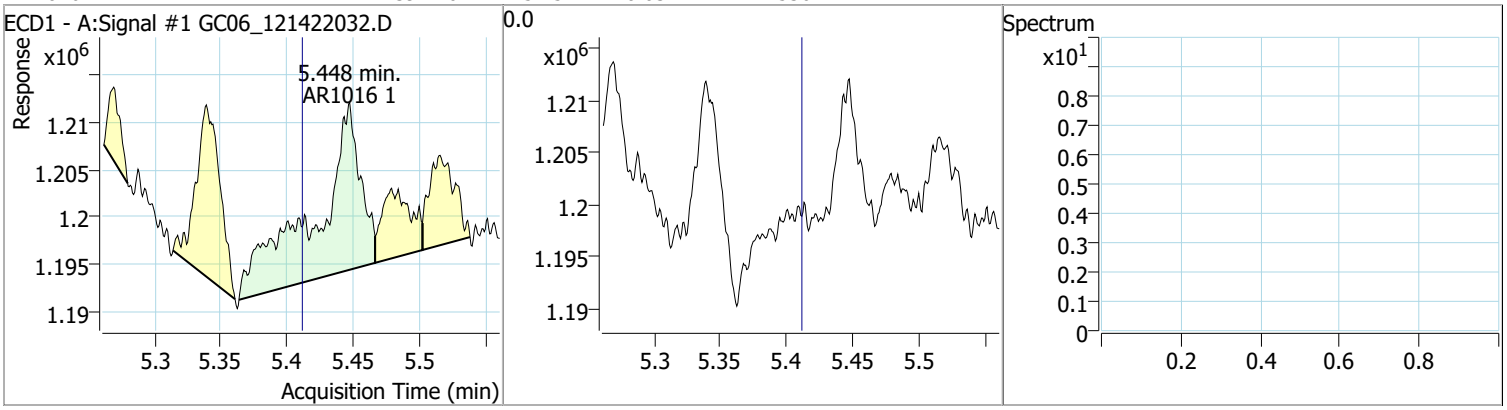
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.740	0.0	21155.758	0.0000	ng/ml	100
T AR1016 1 #2	5.998	0.0	286102.492	55.9363	ng/ml	100
T AR1016 3	6.204	0.0	108639.783	39.5147	ng/ml	100
T AR1016 4	6.362	0.0	874.292	0.4181	ng/ml	100
T AR1016 2 #2	6.389	0.0	5783.665	0.7833	ng/ml	100
T AR1016 5	6.667	0.0	1470759.751	873.2432	ng/ml	100
T AR1016 3 #2	6.946	0.0	409823.896	30.5480	ng/ml	100
T AR1016 4 #2	7.144	0.0	4455.373	0.4652	ng/ml	100
T AR1016 5 #2	7.318	0.0	18055.375	2.3192	ng/ml	100
T AR1260 1	8.757	0.0	136261.640	38.9656	ng/ml	100
T AR1260 2	9.239	0.0	836.032	0.1569	ng/ml	100
T AR1260 3	9.616	0.0	95101.061	17.0707	ng/ml	100
T AR1260 1 #2	10.020	0.0	548159.968	37.4282	ng/ml	100
T AR1260 4	10.147	0.0	132756.187	29.6768	ng/ml	100
T AR1260 2 #2	10.268	0.0	772015.655	43.8718	ng/ml	100
T AR1260 3 #2	10.614	0.0	77386.332	3.4743	ng/ml	100
T AR1260 5	10.886	0.0	106462.406	0.0000	ng/ml	100
T AR1260 4 #2	11.148	0.0	8810.429	0.0000	ng/ml	100
T AR1260 5 #2	11.369	0.0	580870.050	12.7221	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

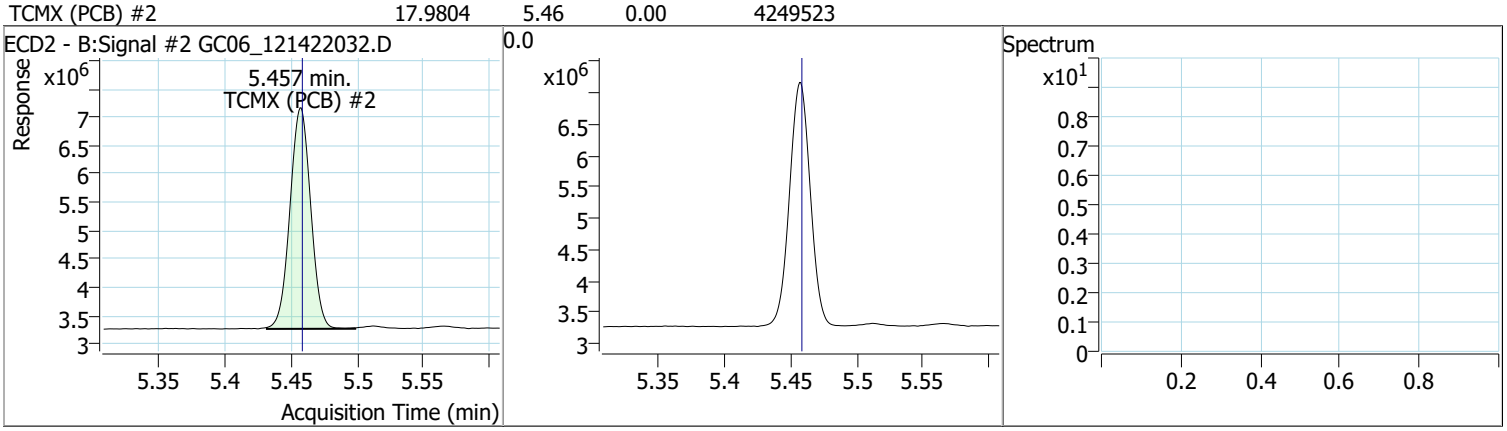
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.5092	5.06	0.00	920407				



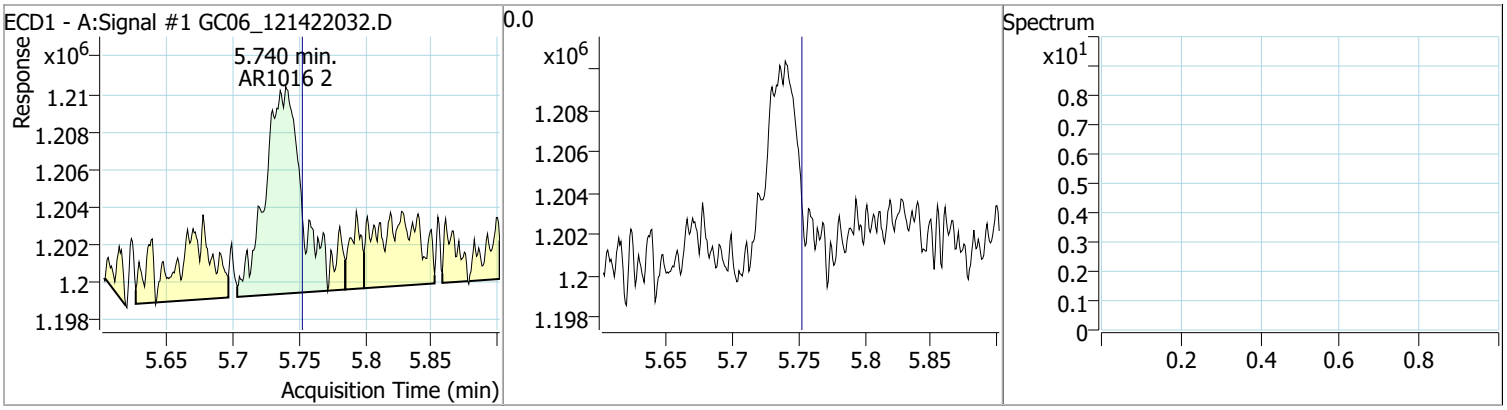
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	39.2261	5.45	0.03	42536				



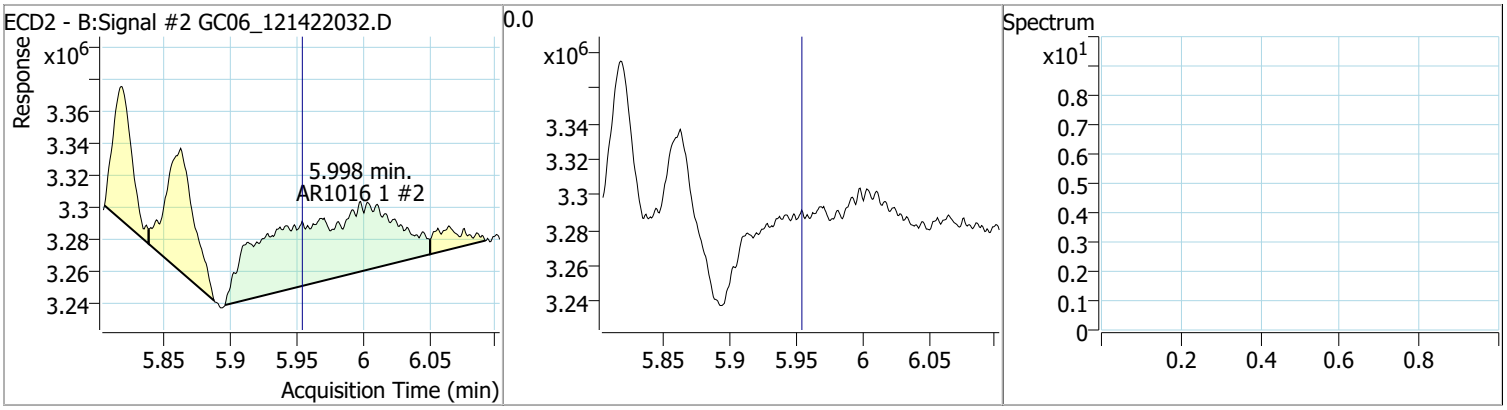
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	17.9804	5.46	0.00	4249523				



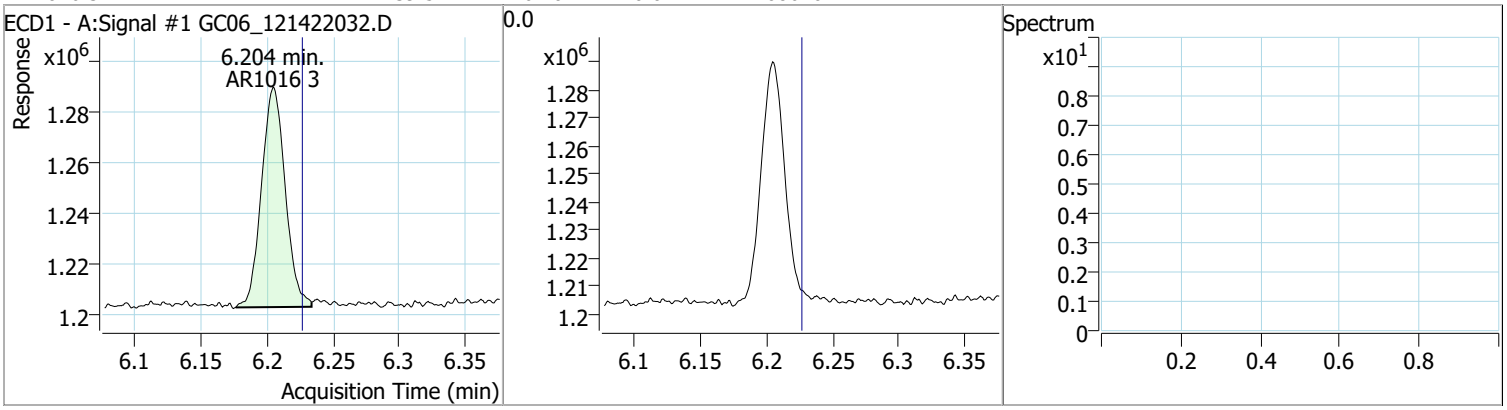
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.74	-0.01	21156				



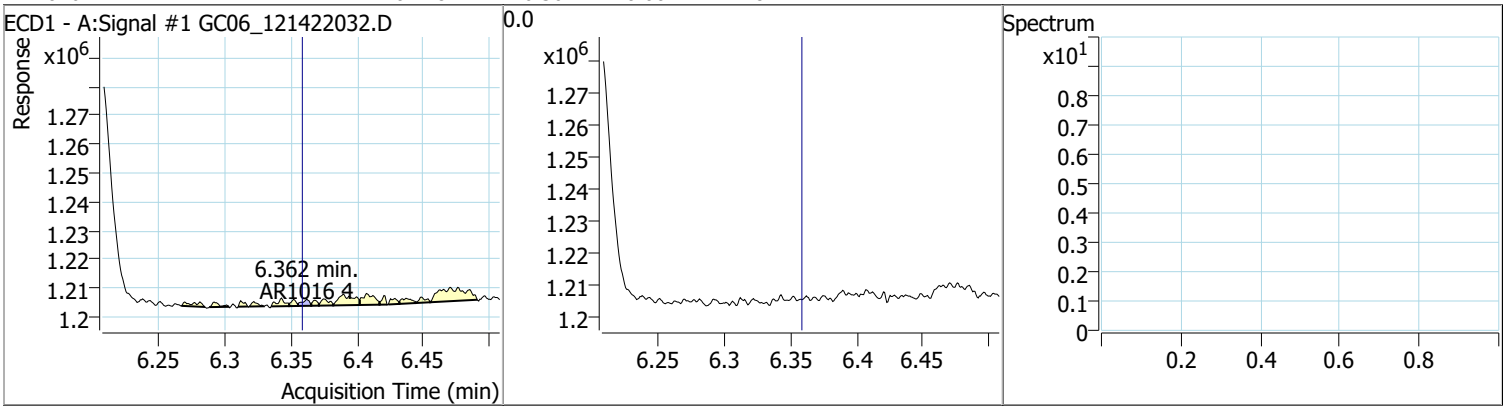
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	55.9363	6.00	0.04	286102				



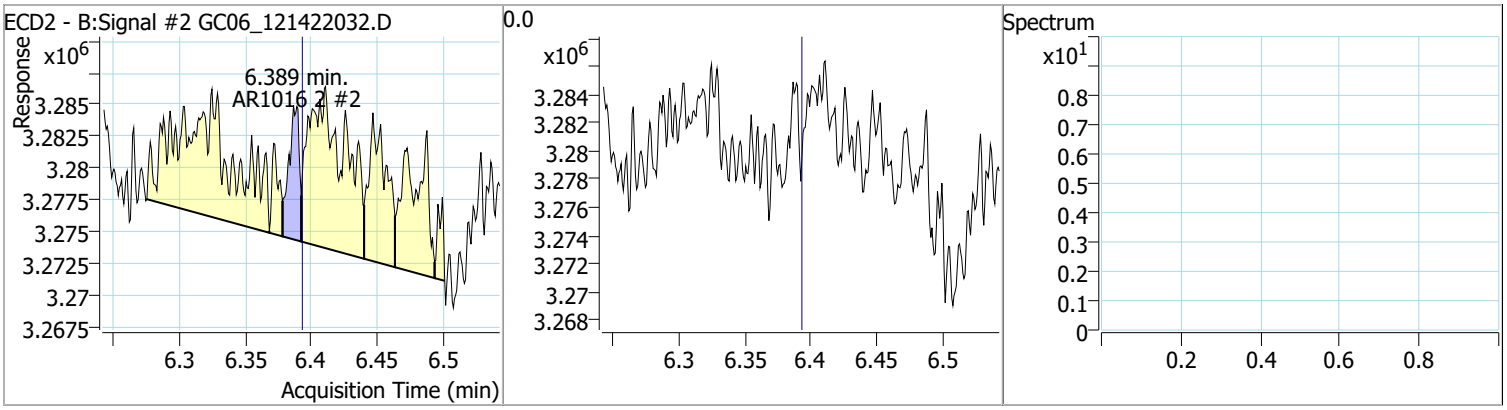
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	39.5147	6.20	-0.02	108640				



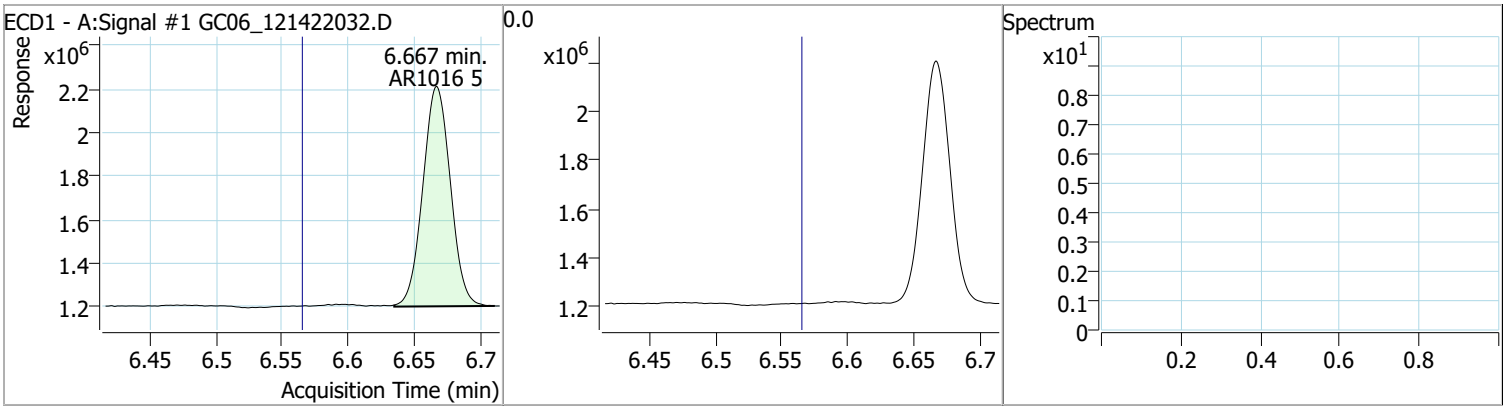
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.4181	6.36	0.00	874				



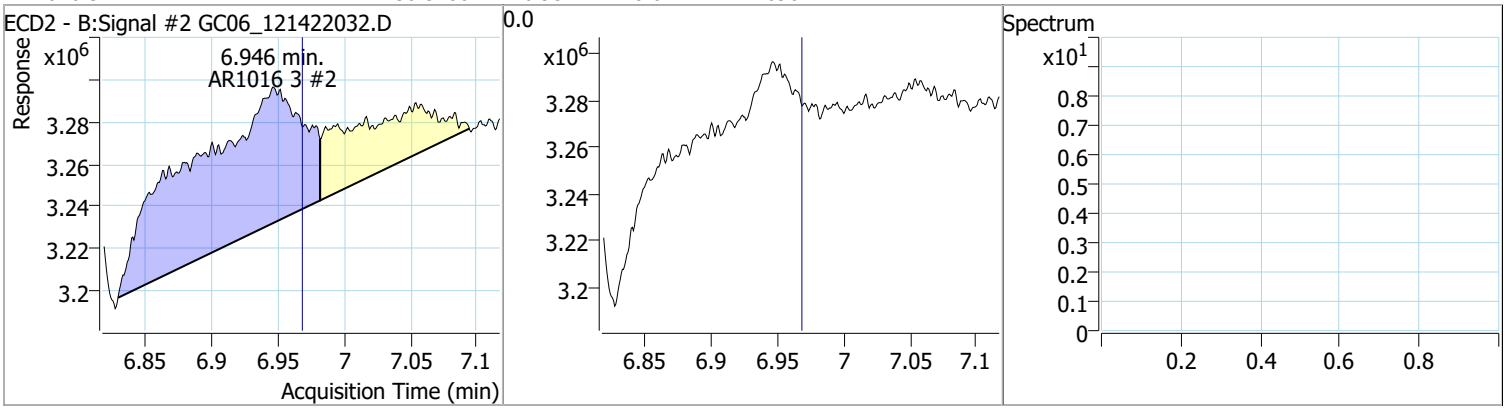
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	0.7833	6.39	0.00	5784				



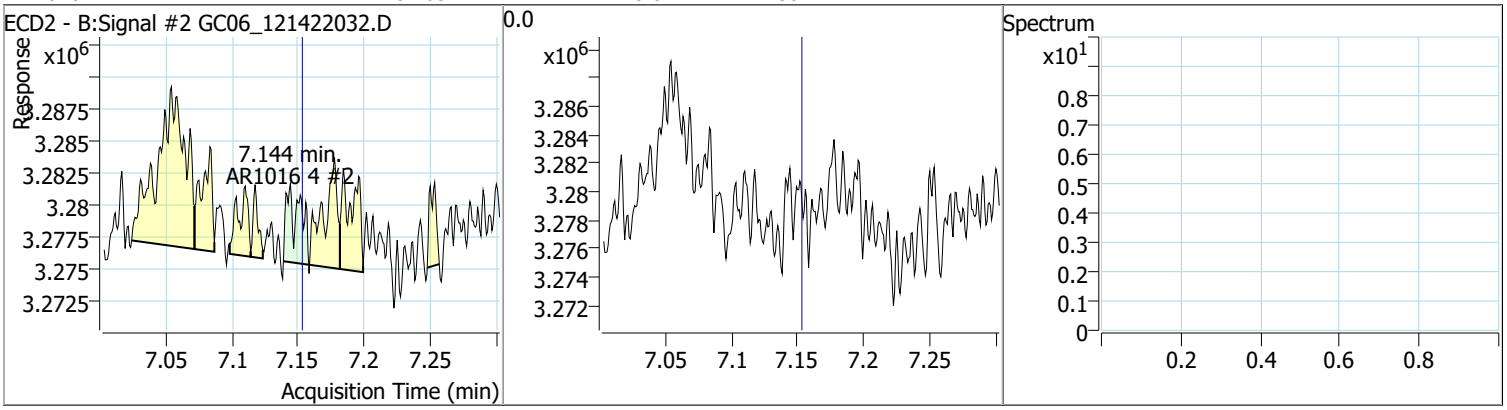
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	873.2432	6.67	0.10	1470760				



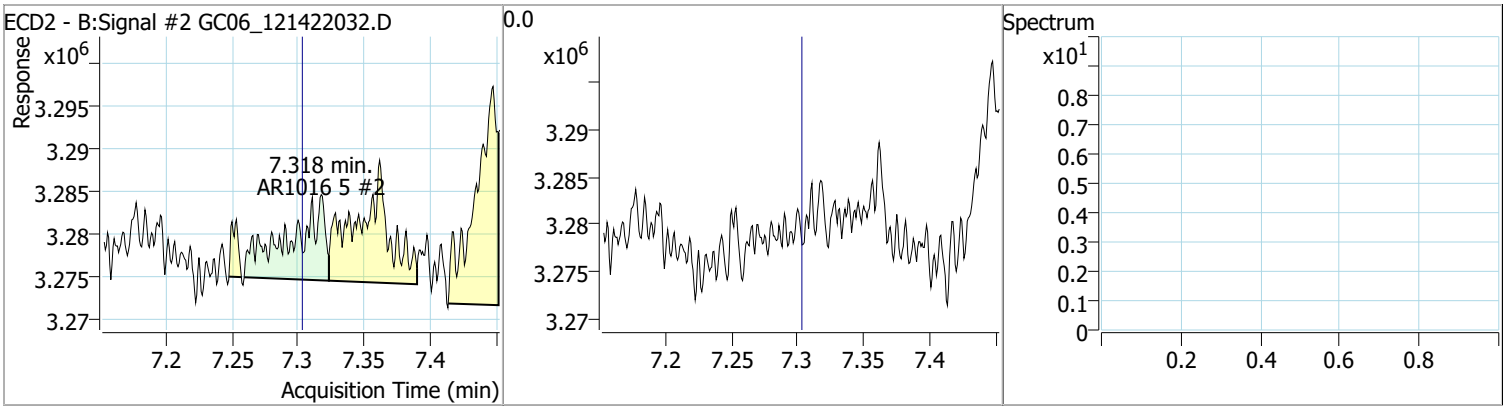
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	30.5480	6.95	-0.02	409824				



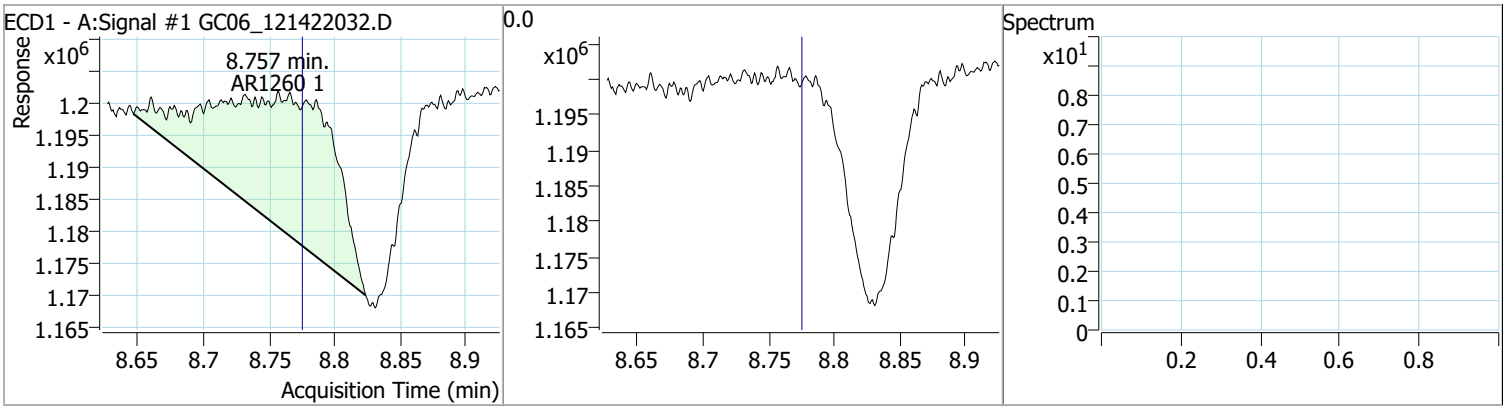
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.4652	7.14	-0.01	4455				



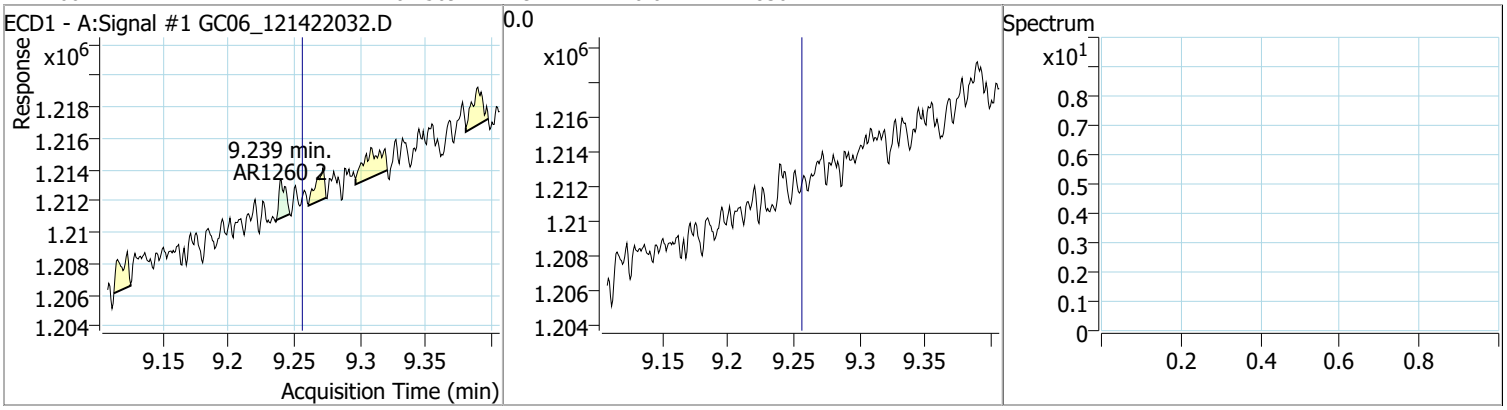
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.3192	7.32	0.01	18055				



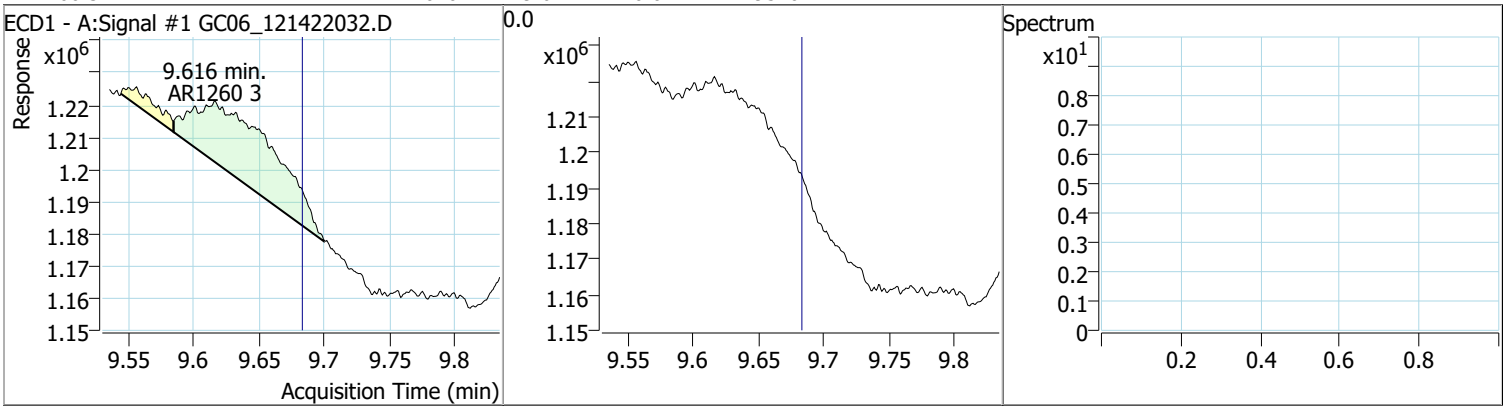
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	38.9656	8.76	-0.02	136262				



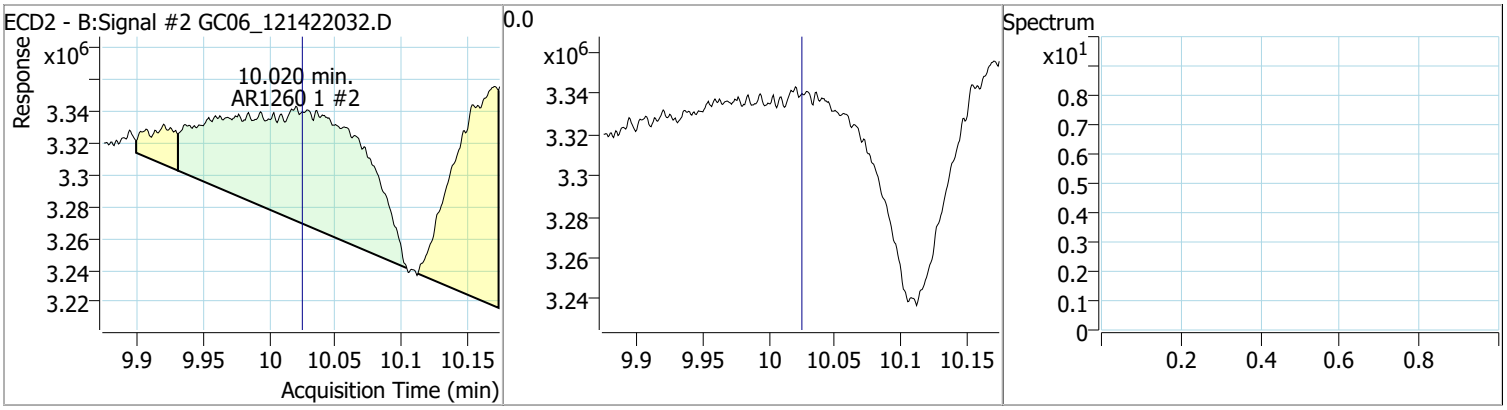
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.1569	9.24	-0.02	836				



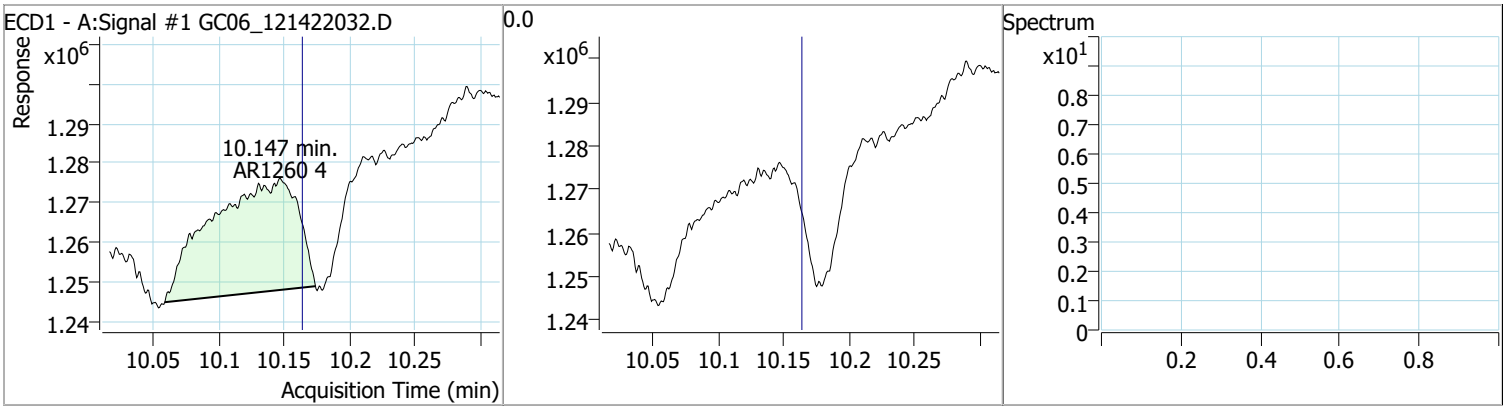
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	17.0707	9.62	-0.07	95101				



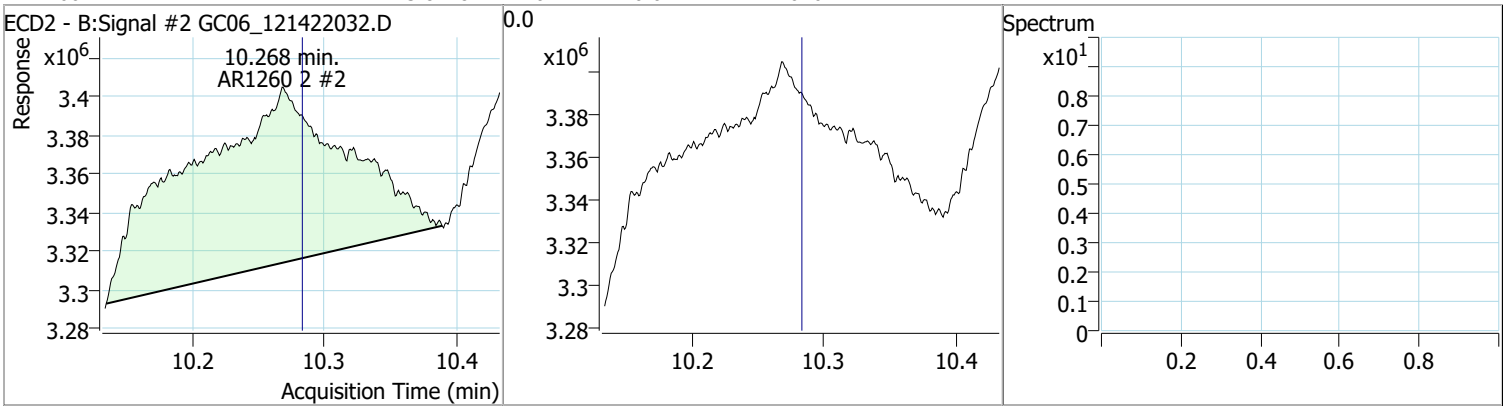
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	37.4282	10.02	-0.01	548160				



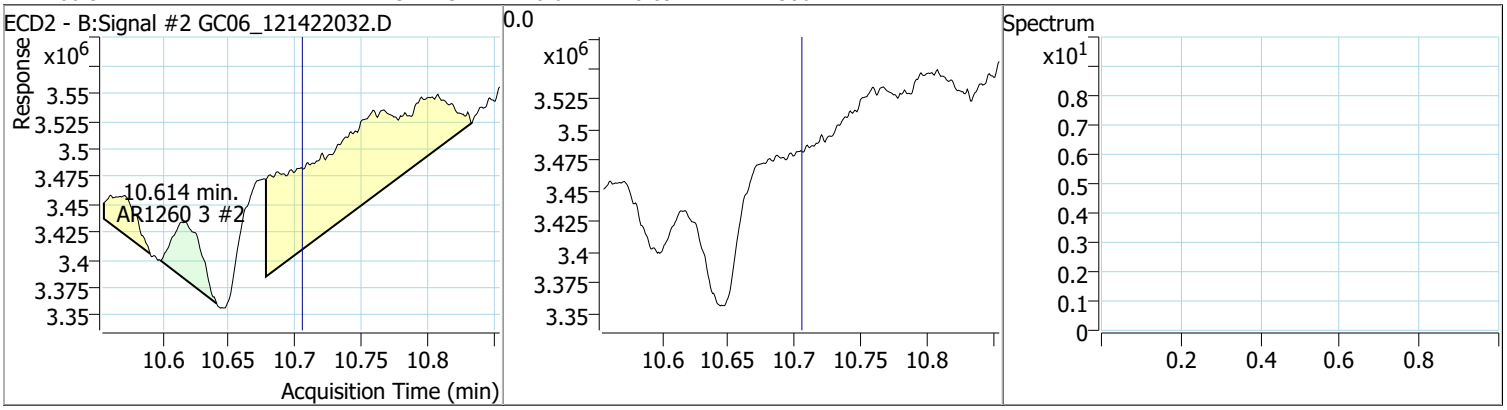
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	29.6768	10.15	-0.02	132756				



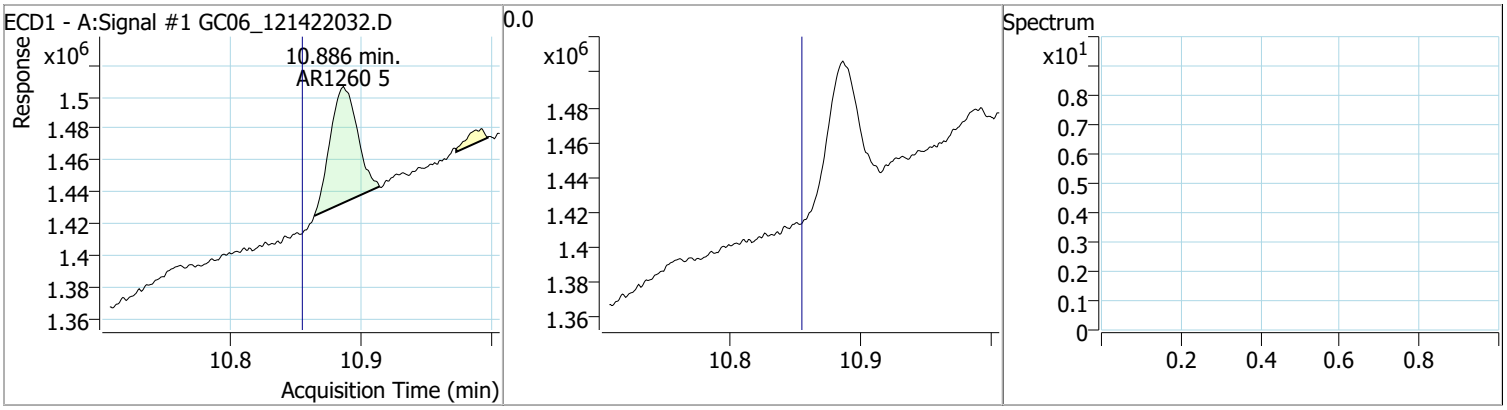
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	43.8718	10.27	-0.02	772016				



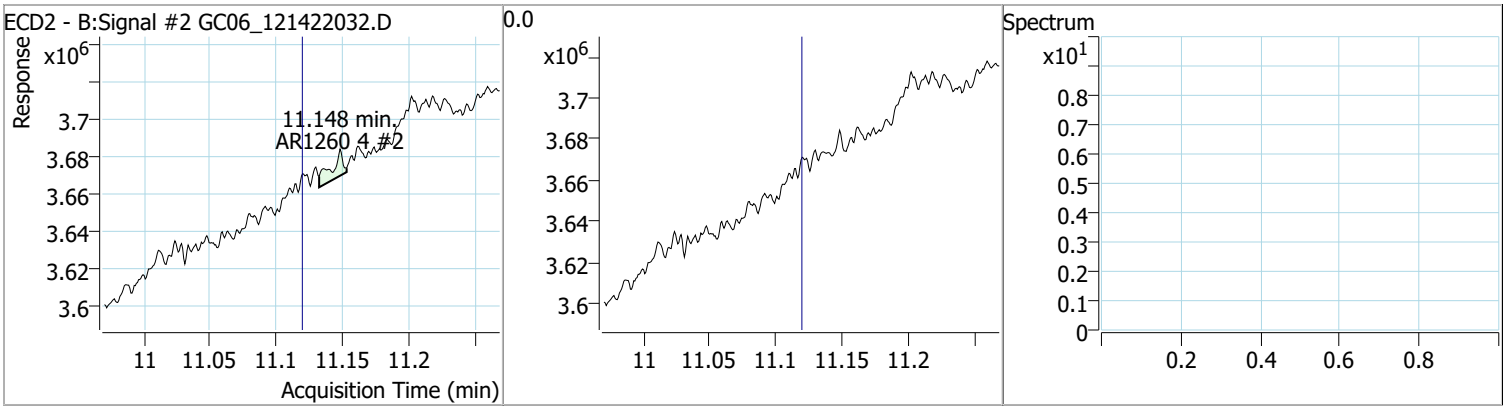
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	3.4743	10.61	-0.09	77386				



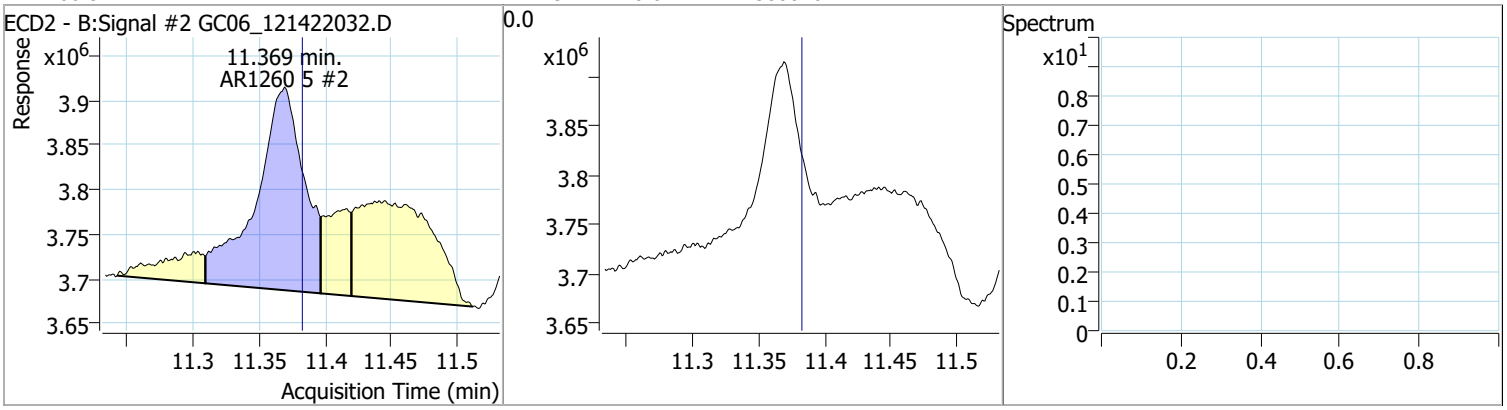
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	0.0000	10.89	0.03	106462				



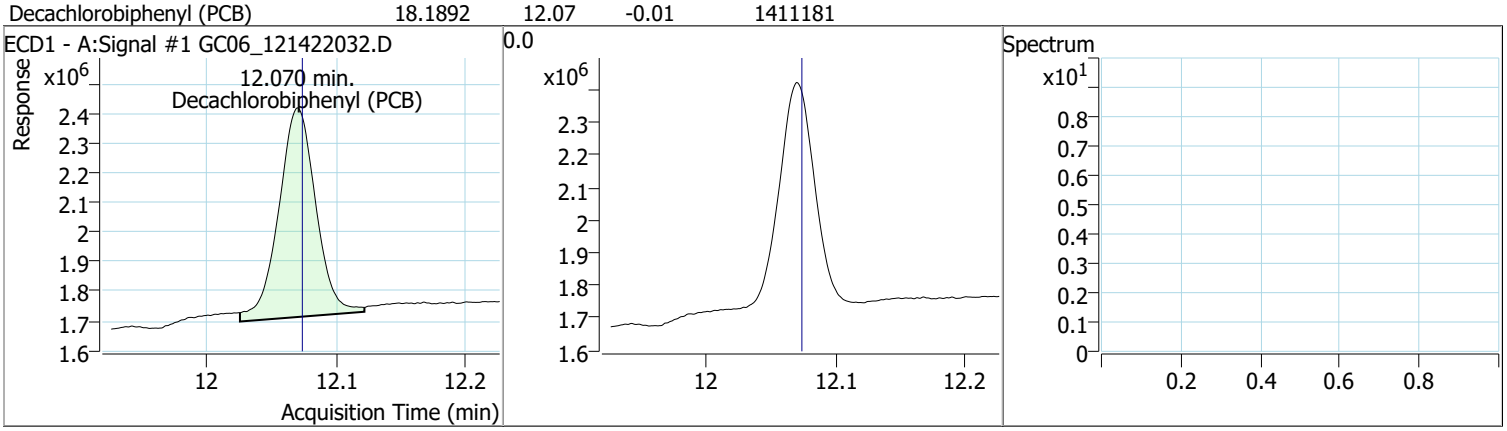
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.15	0.03	8810				



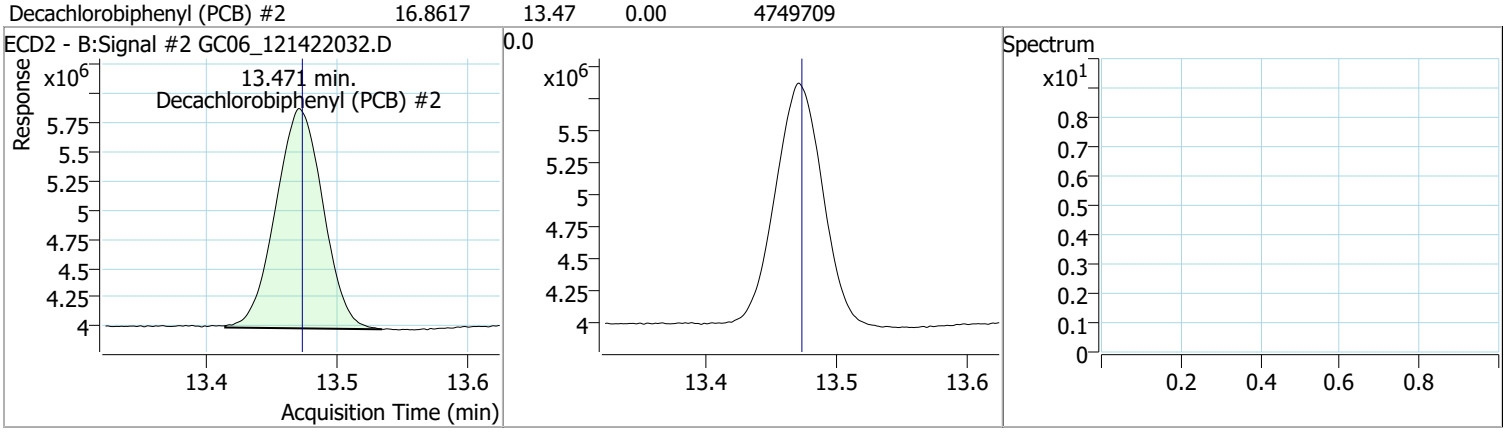
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	12.7221	11.37	-0.01	580870				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	18.1892	12.07	-0.01	1411181				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	16.8617	13.47	0.00	4749709				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474716-013	Client ID:	20221209-3CD-05
Seqnum:	452501809063	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422063	Batch:	303182	Time:	15-DEC-2022 07:01
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	97.32	~~0.97~~ ~~FP~~	2.3	82%	0.50		x u
Aroclor-1016 Peak # 1	B	70.20	0.70	0.02	190%			
Aroclor-1016 Peak # 2	B	105.6	1.06	ND	221%			
Aroclor-1016 Peak # 3	B	196.9	1.97	0.89	75%			
Aroclor-1016 Peak # 4	B	1.260	0.01	2.41	198%			
Aroclor-1016 Peak # 5	B	112.7	1.13	8.30	152%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	37.43	ND	0.44	17%	0.50		u
Aroclor-1260 Peak # 1	B	76.59	0.77	0.96	23%			
Aroclor-1260 Peak # 2	B	36.32	0.36	ND				
Aroclor-1260 Peak # 3	B	7.072	0.07	0.16	77%			
Aroclor-1260 Peak # 4	B	-7.704	ND	0.99	234%			
Aroclor-1260 Peak # 5	B	74.85	0.75	0.11	149%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	37.81	0.5000	0.3781	76	19-121	u
Decachlorobiphenyl (PCB)	B	30.00	0.5000	0.3000	60	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422036)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5560467	5360574	-3.59
1-bromo-2-nitrobenzene (PCB)	A	1170615	1211417	3.49

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

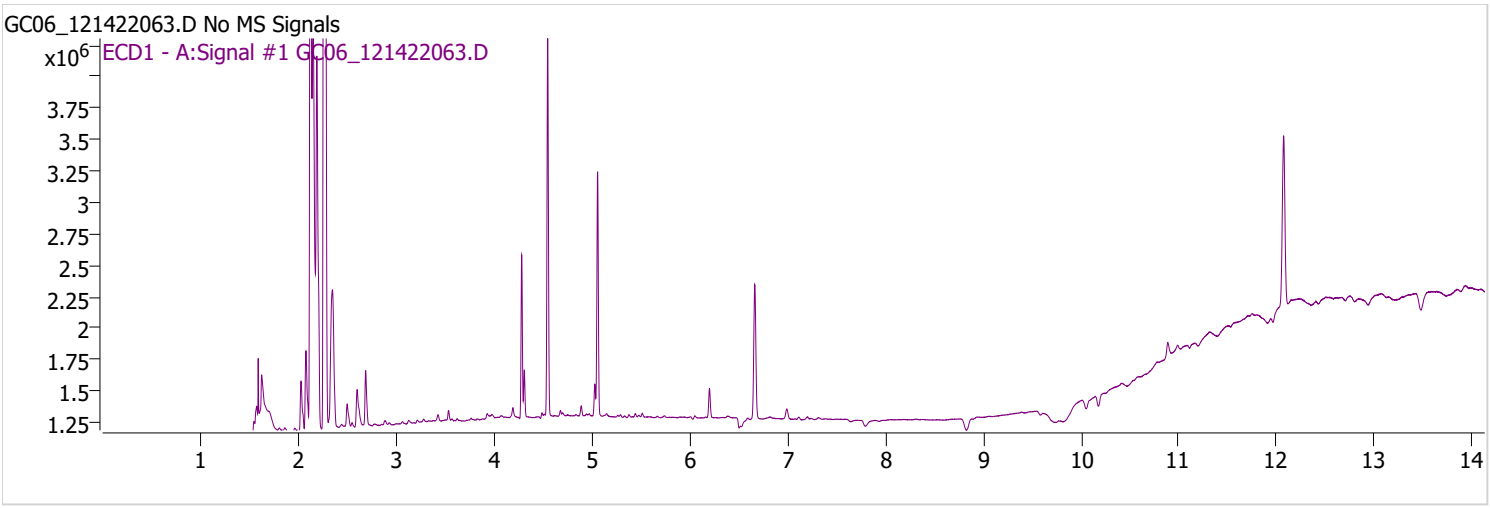
ISTD (CCV gc06_121422036)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

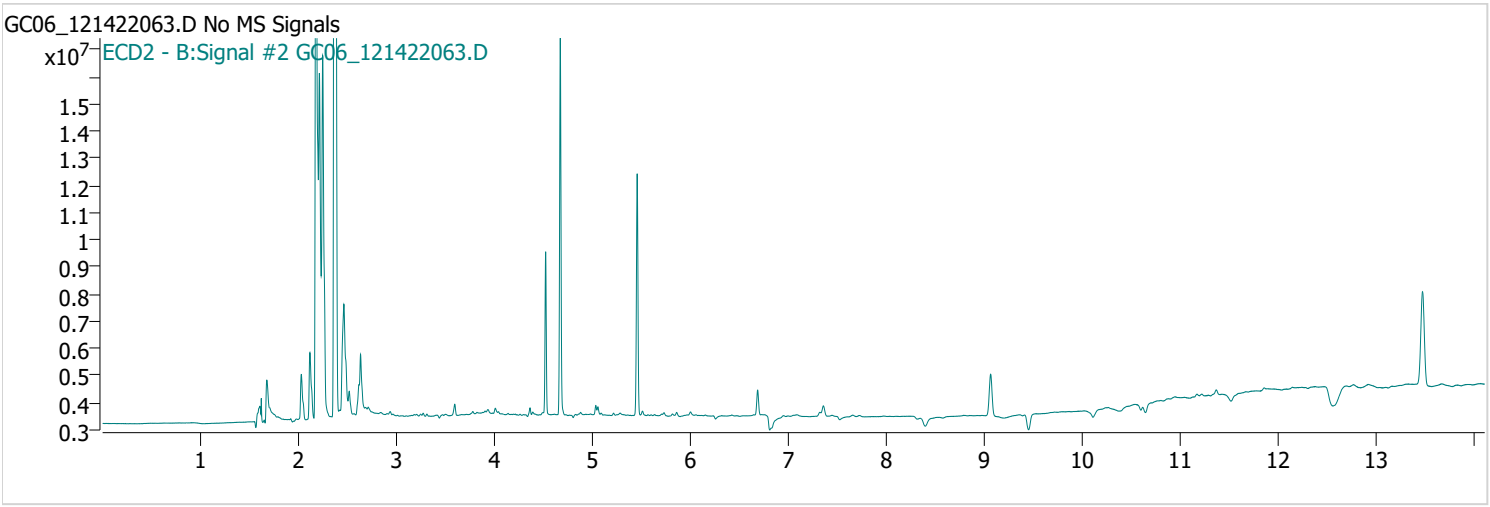
Analyst: MES 12/15/22

Reviewer: LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422063.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 7:01:18 AM
Sample Name	474716-013, 303182, 1	Instrument	SVOA-GC06
Vial	46	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



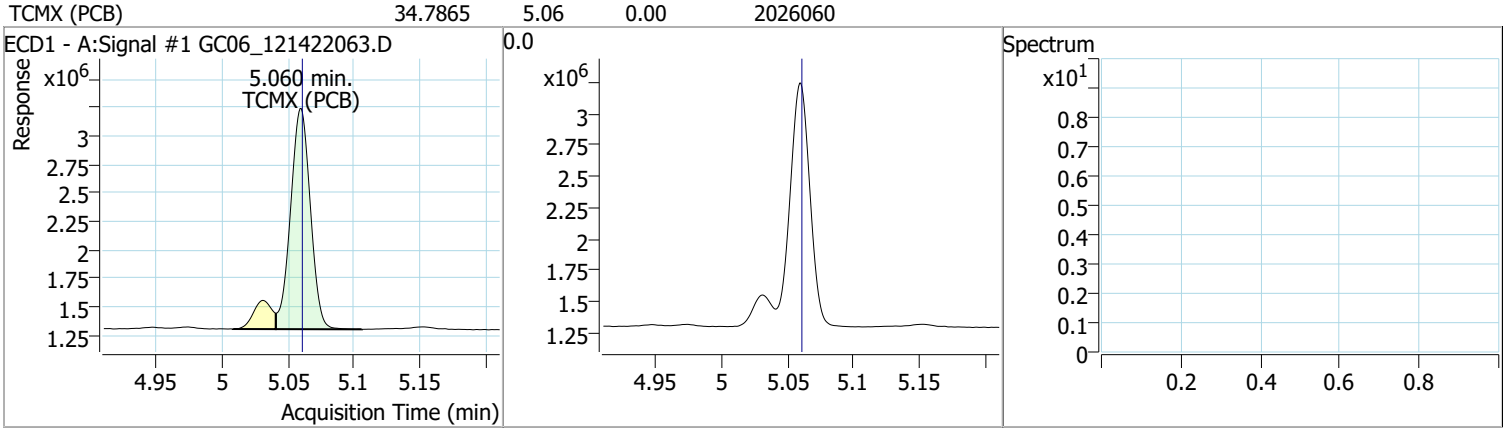


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.283	0.0	1211417.117	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	5360573.830	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.060	0.0	2026059.959	34.7865	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 173.93%		*	
S TCMX (PCB) #2	5.456	0.0	9733259.146	37.8080	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 189.04%		*	
S Decachlorobiphenyl (PCB)	12.072	0.0	2783841.337	33.5931	ng/ml		-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 167.97%		*	
S Decachlorobiphenyl (PCB) #2	13.471	0.0	8755244.659	29.9973	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 149.99%			
Target Compounds							QValue

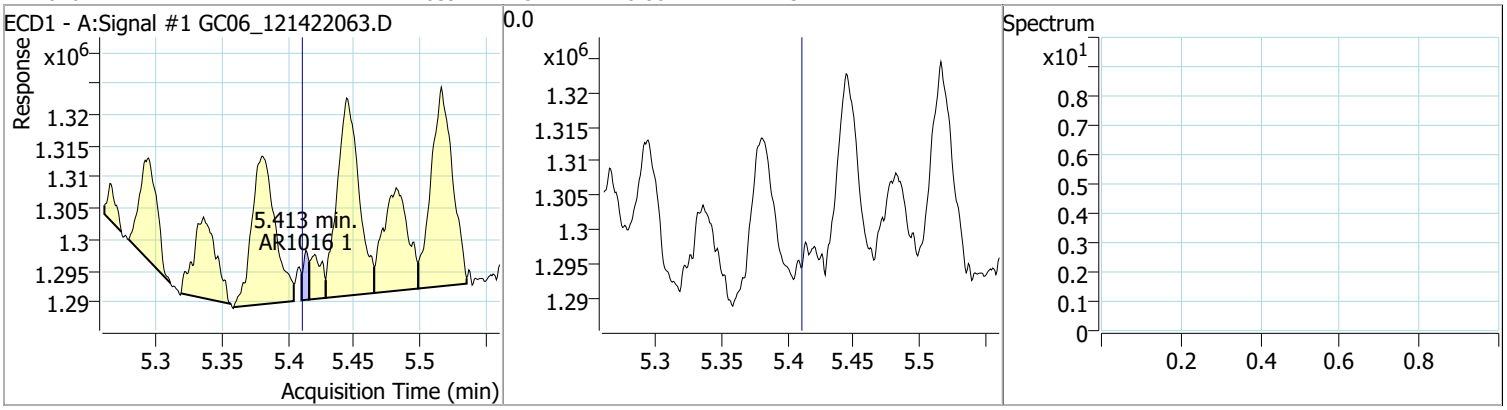
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.413	0.0	2242.792	1.7659	ng/ml	100
T AR1016 2	5.741	0.0	25792.220	0.0000	ng/ml	100
T AR1016 1 #2	6.000	0.0	391091.429	70.1968	ng/ml	100
T AR1016 3	6.203	0.0	287423.512	89.2570	ng/ml	100
T AR1016 4	6.389	0.0	589545.966	240.7153	ng/ml	100
T AR1016 2 #2	6.421	0.0	849235.469	105.5933	ng/ml	100
T AR1016 5	6.666	0.0	1636743.520	829.7066	ng/ml	100
T AR1016 3 #2	7.085	0.0	2877112.560	196.8830	ng/ml	100
T AR1016 4 #2	7.162	0.0	13150.381	1.2605	ng/ml	100
T AR1016 5 #2	7.356	0.0	955616.203	112.6898	ng/ml	100
T AR1260 1	8.773	0.0	393885.735	96.1676	ng/ml	100
T AR1260 2	0.000		0	N.D.		
T AR1260 3	9.610	0.0	104036.658	15.9442	ng/ml	100
T AR1260 1 #2	10.019	0.0	1221882.646	76.5926	ng/ml	100
T AR1260 4	10.148	0.0	395573.365	99.3395	ng/ml	100
T AR1260 2 #2	10.265	0.0	696229.250	36.3227	ng/ml	100
T AR1260 3 #2	10.616	0.0	171591.563	7.0723	ng/ml	100
T AR1260 5	10.888	0.0	210243.939	10.8434	ng/ml	100
T AR1260 4 #2	11.169	0.0	212388.880	0.0000	ng/ml	100
T AR1260 5 #2	11.365	0.0	1885533.815	74.8563	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

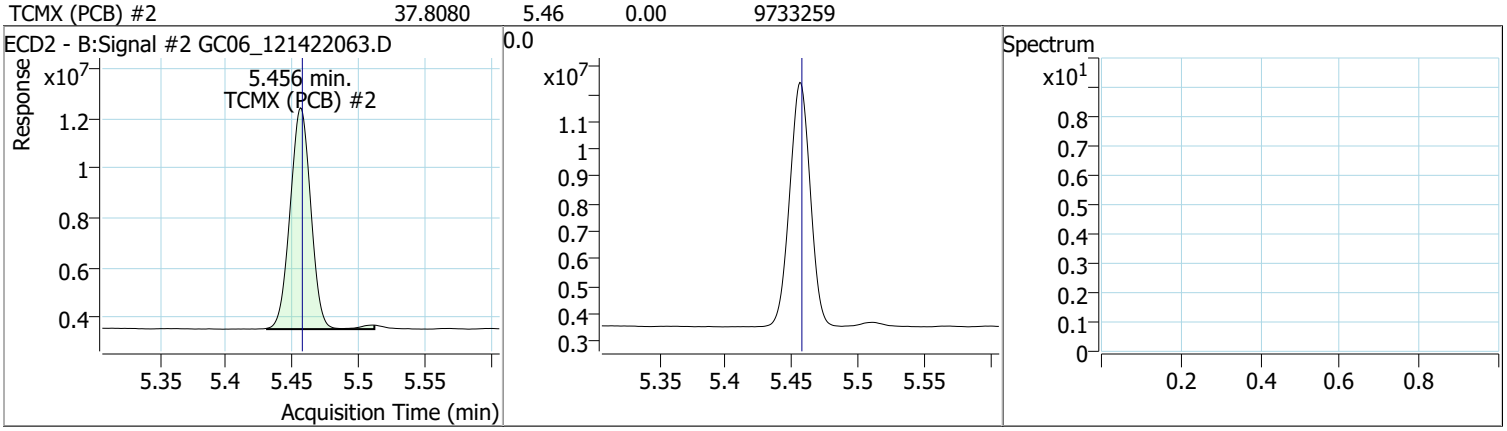
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	34.7865	5.06	0.00	2026060				



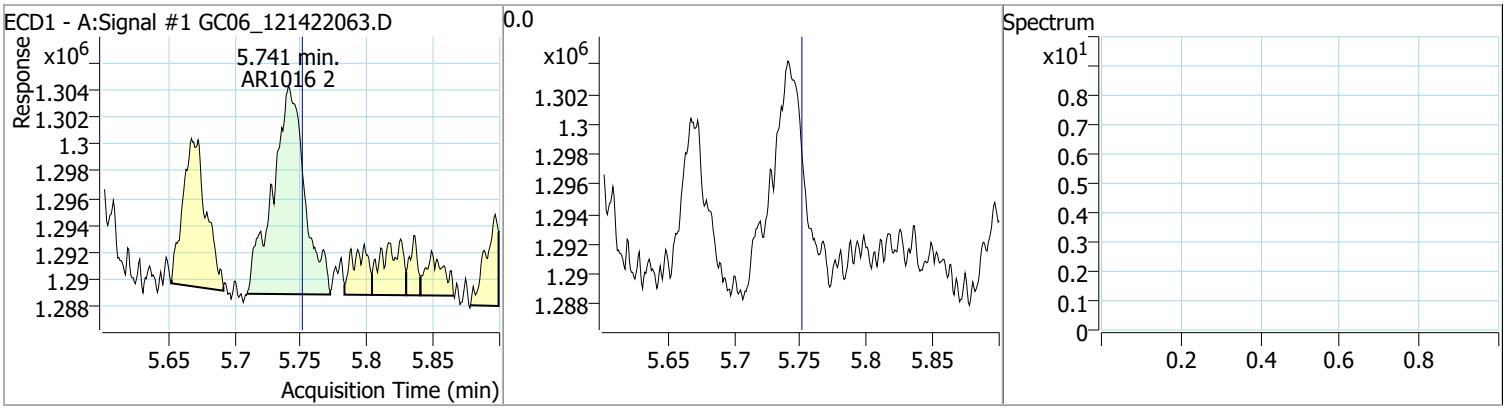
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1.7659	5.41	0.00	2243				



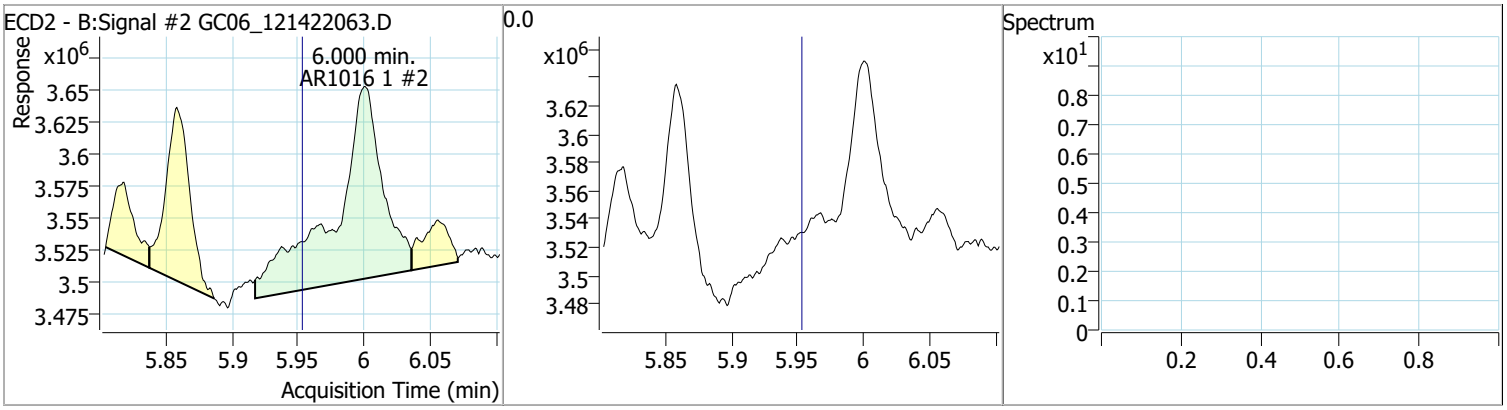
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.8080	5.46	0.00	9733259				



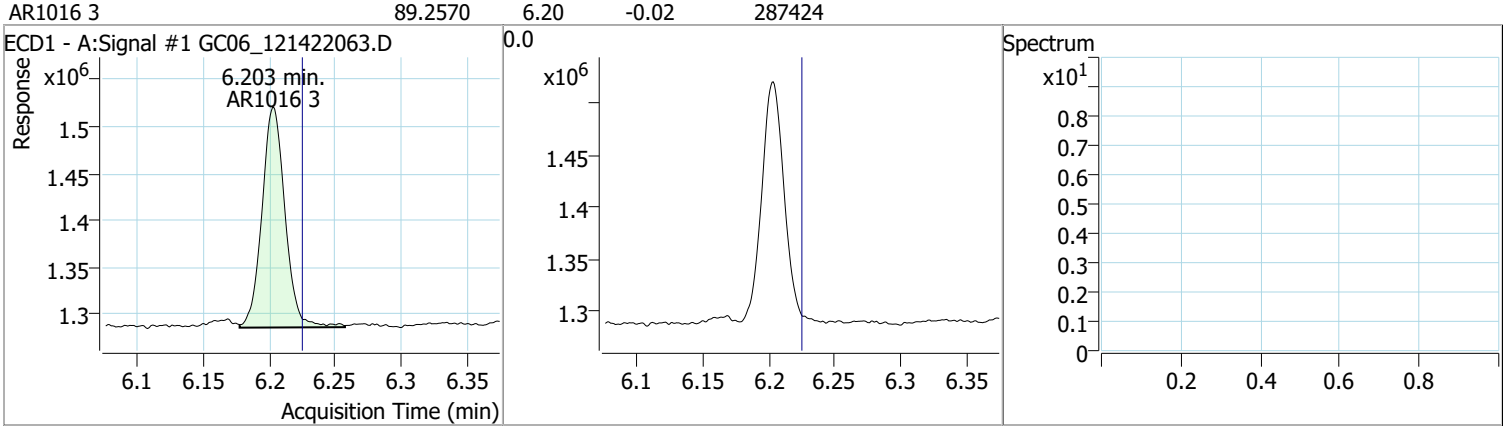
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.74	-0.01	25792				



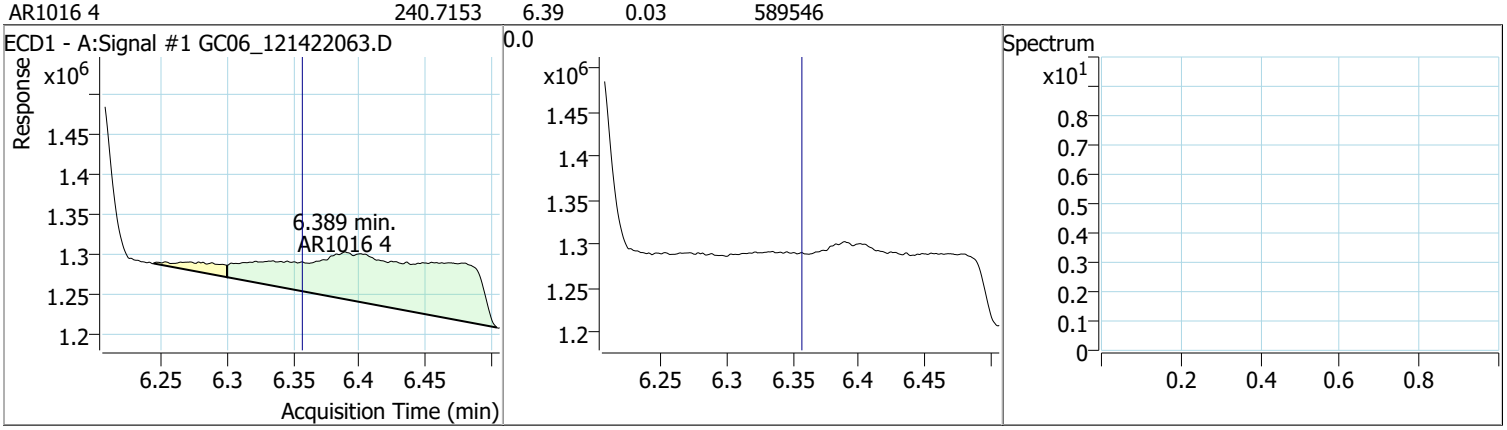
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	70.1968	6.00	0.05	391091				



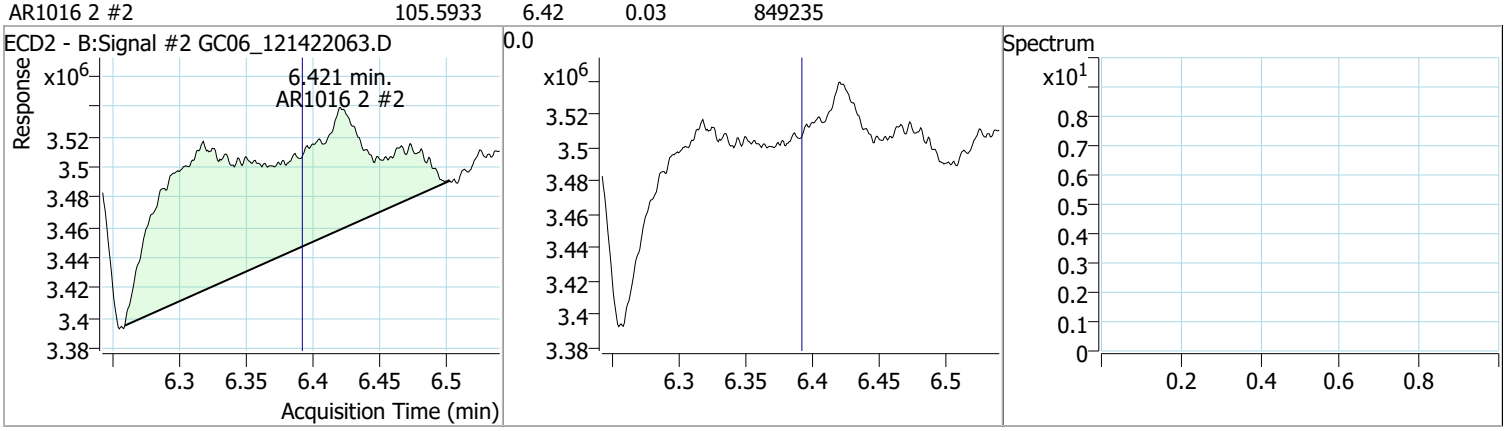
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	89.2570	6.20	-0.02	287424				



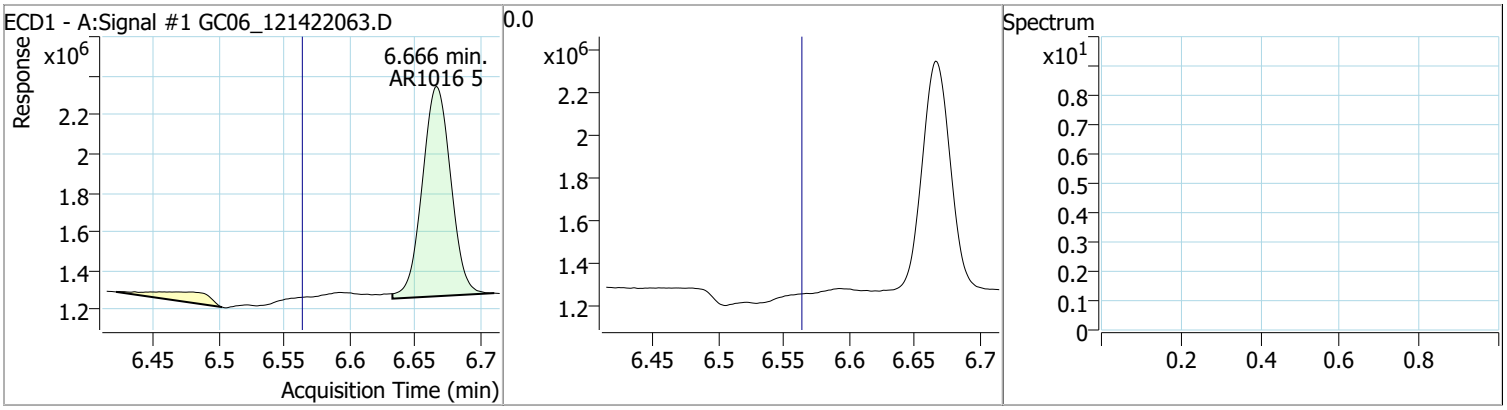
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	240.7153	6.39	0.03	589546				



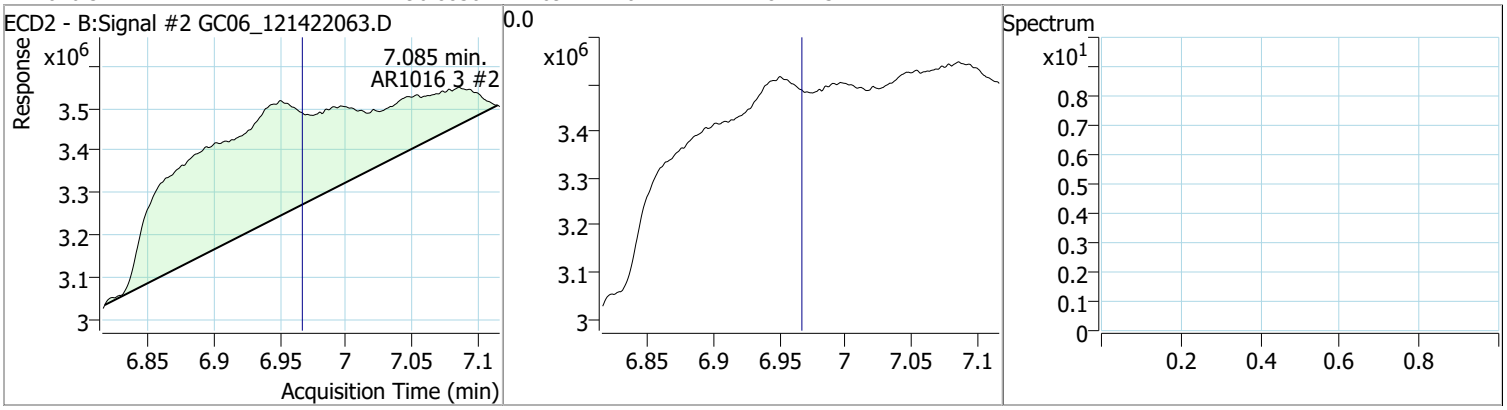
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	105.5933	6.42	0.03	849235				



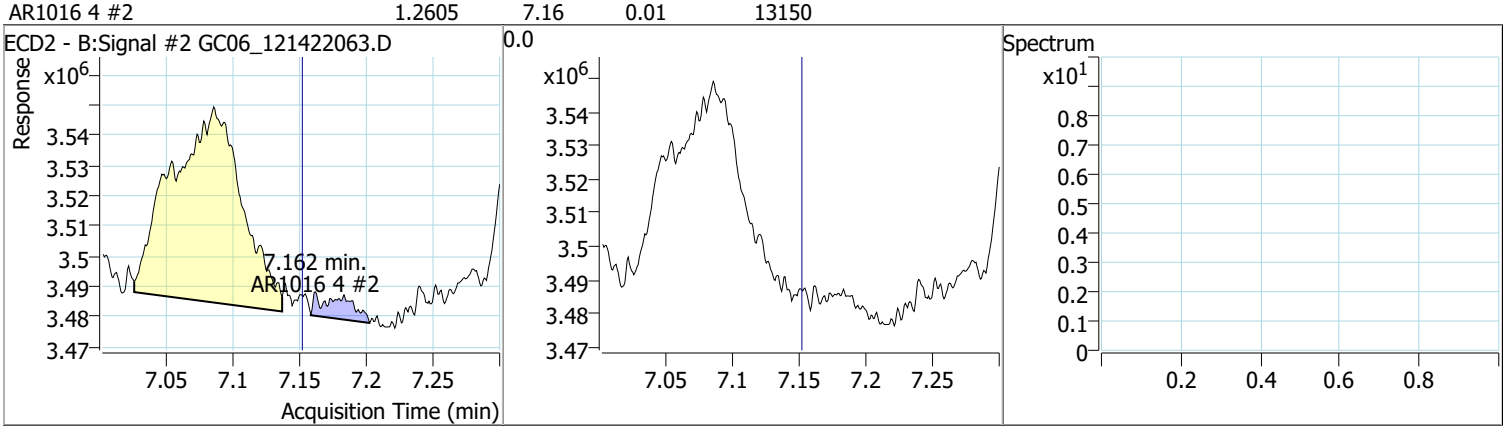
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	829.7066	6.67	0.10	1636744				



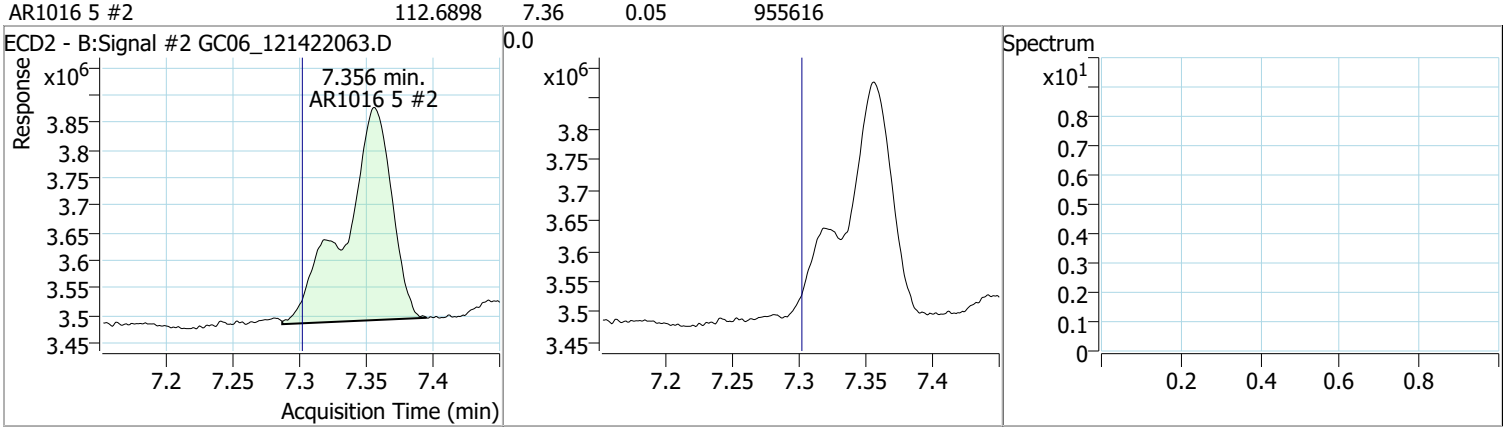
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	196.8830	7.09	0.12	2877113				



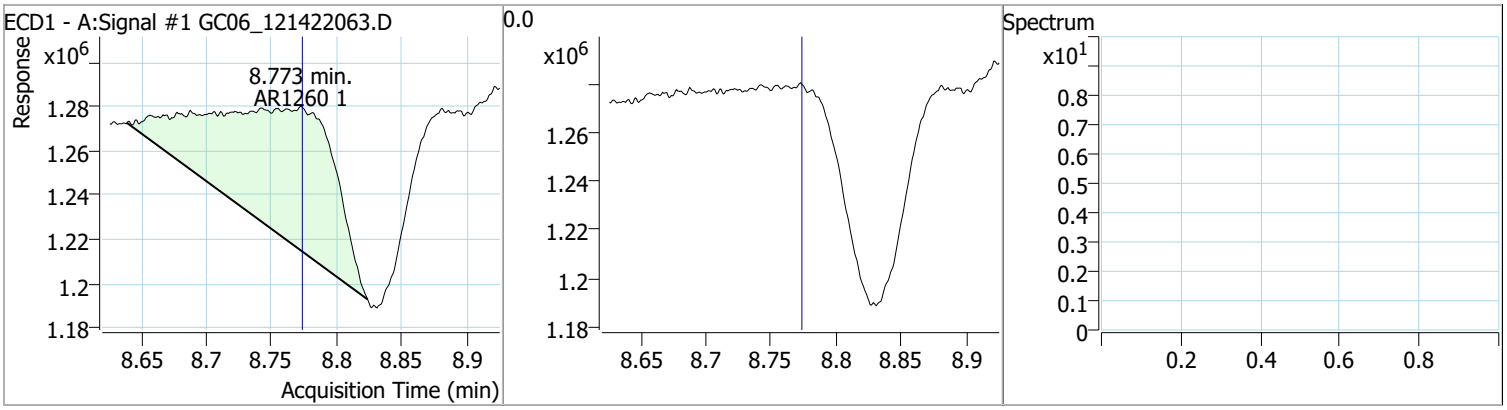
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.2605	7.16	0.01	13150				



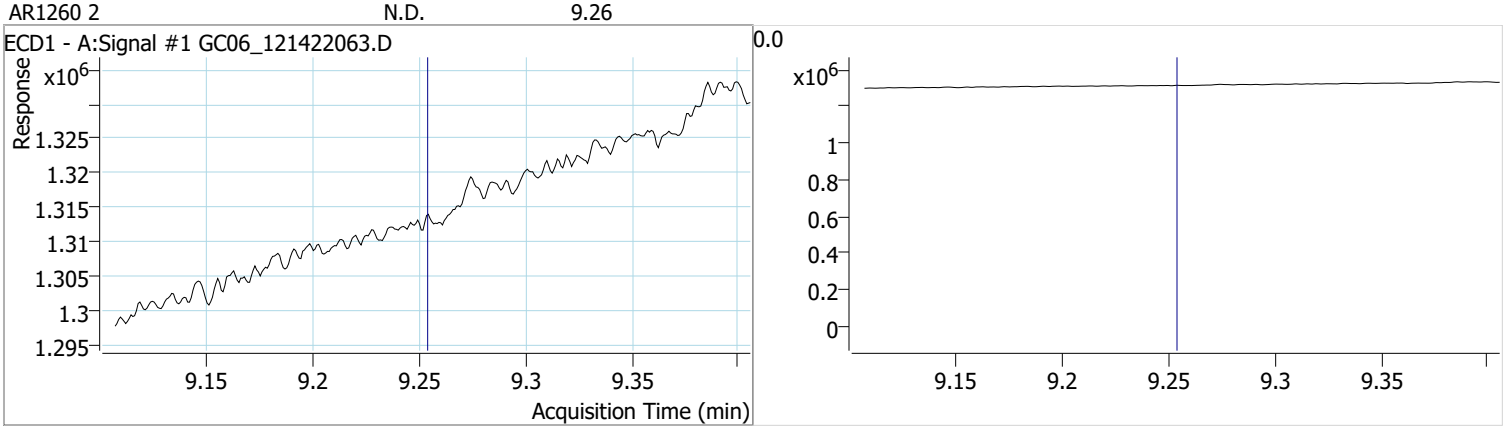
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	112.6898	7.36	0.05	955616				



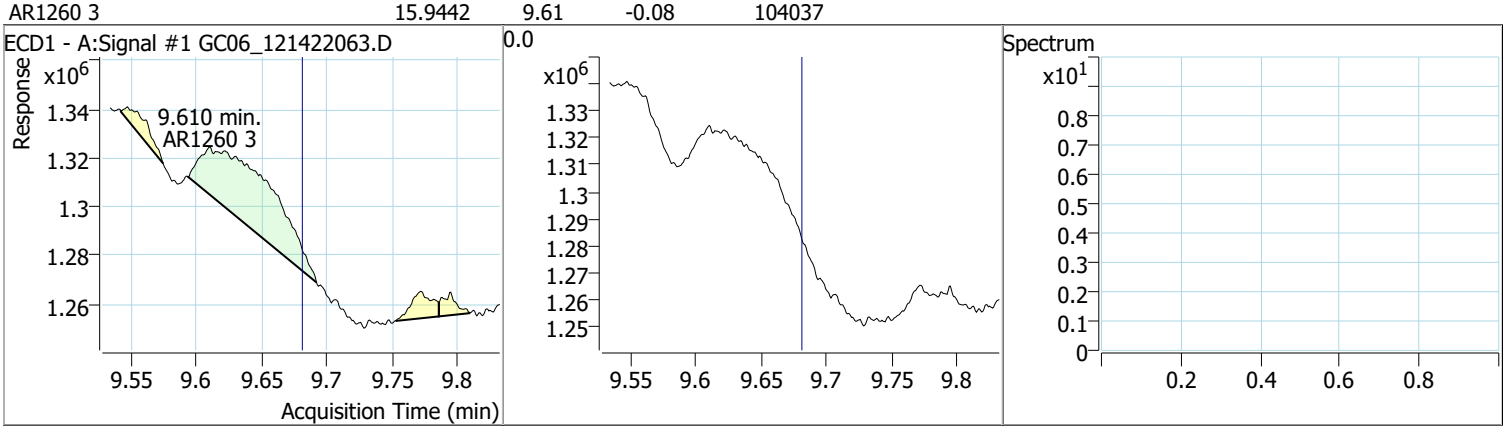
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	96.1676	8.77	-0.01	393886				



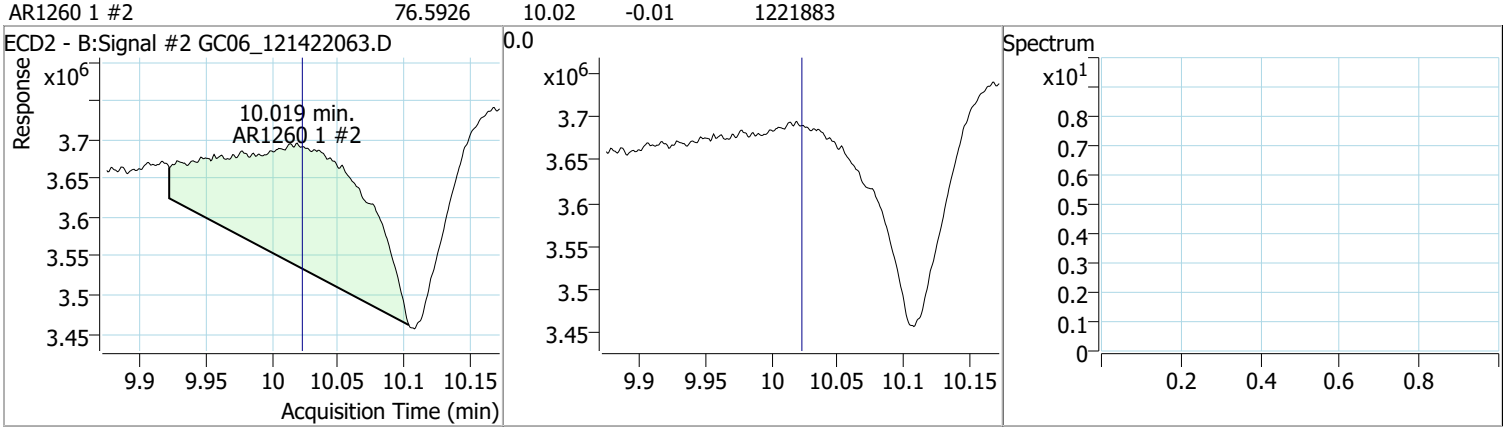
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 2	N.D.	9.26		



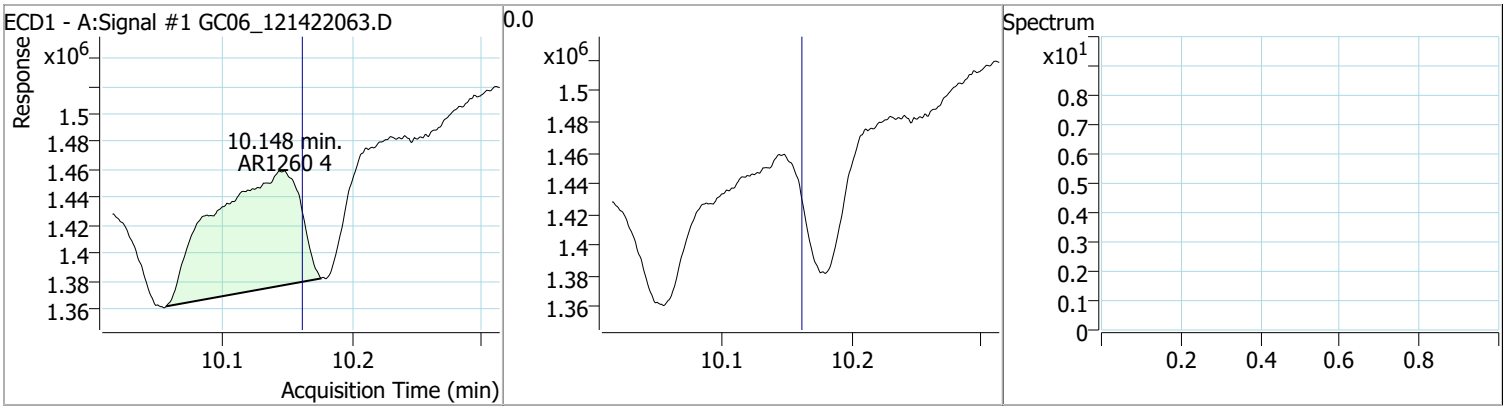
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	15.9442	9.61	-0.08	104037				



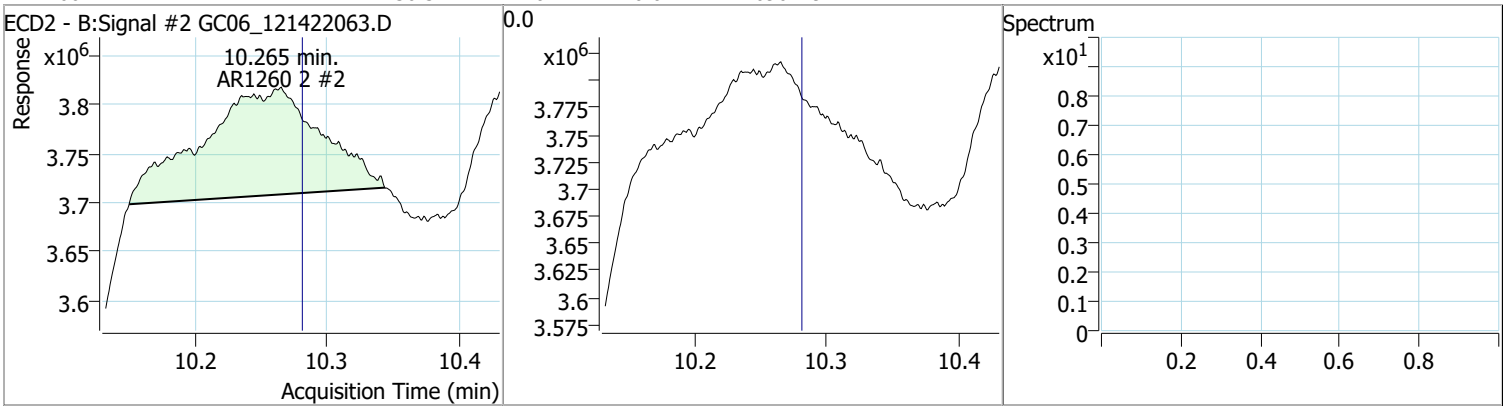
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	76.5926	10.02	-0.01	1221883				



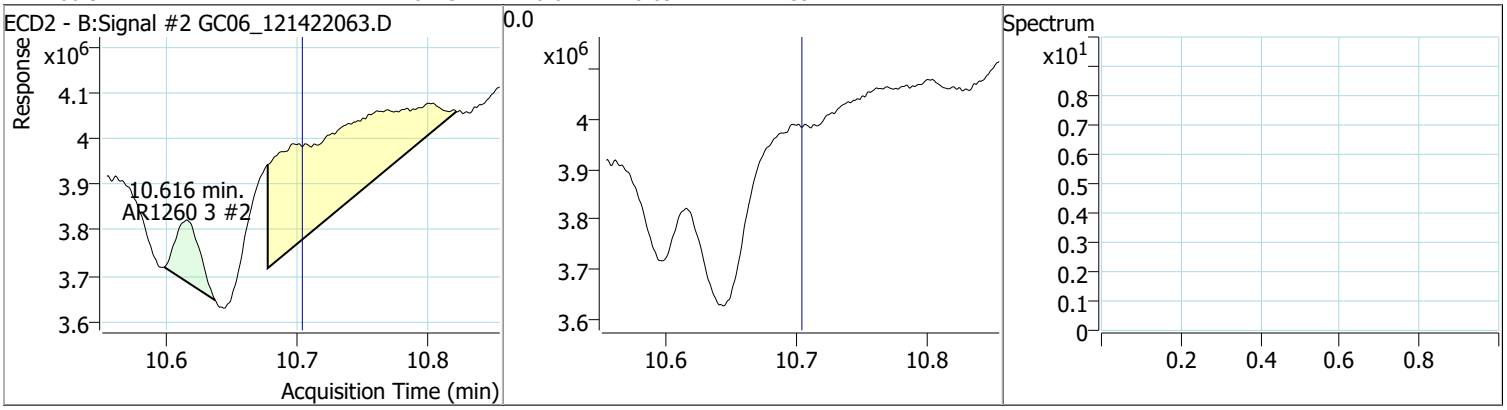
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	99.3395	10.15	-0.02	395573				



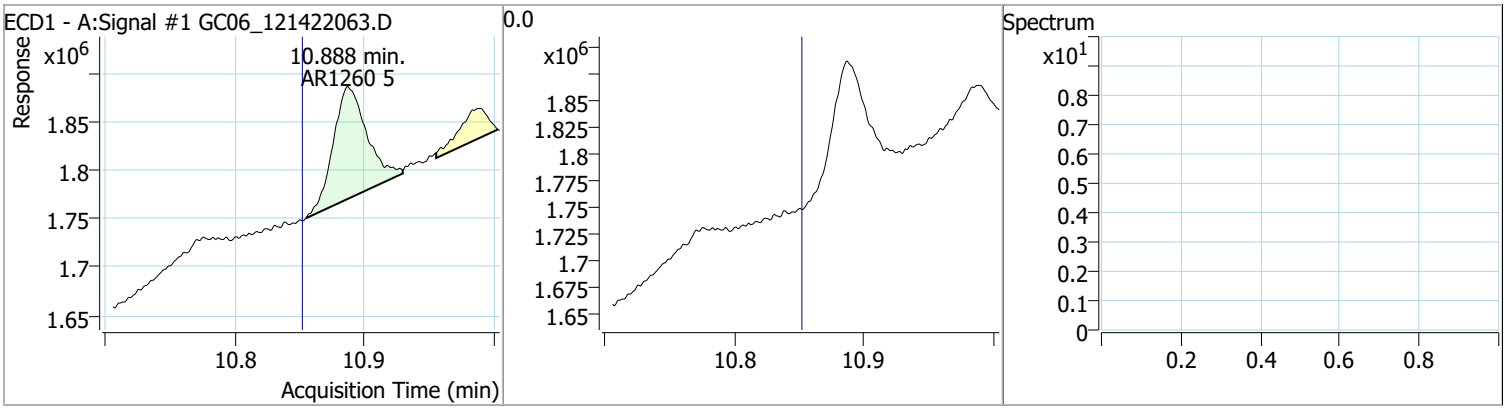
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	36.3227	10.27	-0.02	696229				



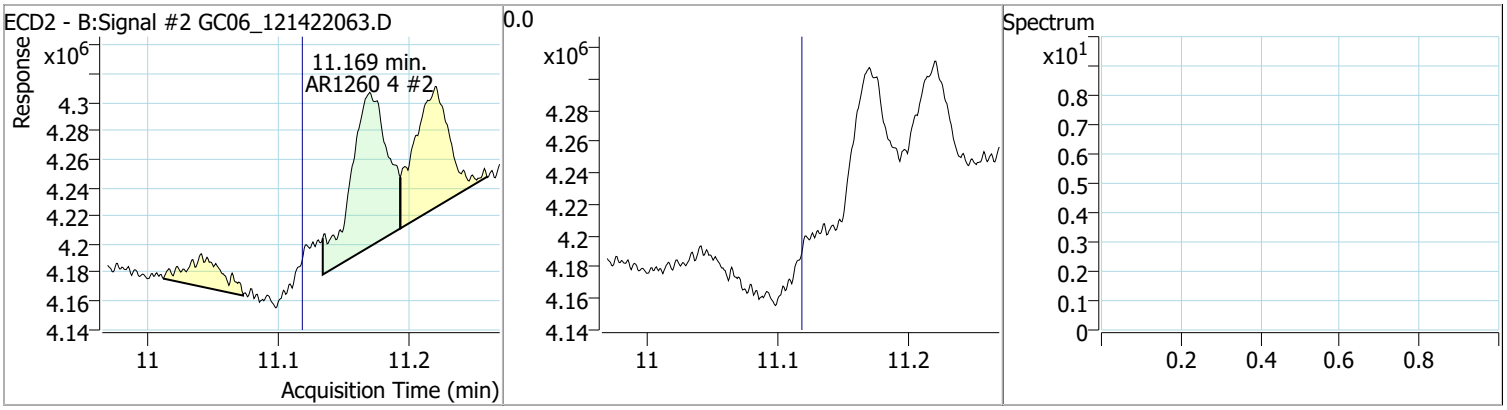
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.0723	10.62	-0.09	171592				



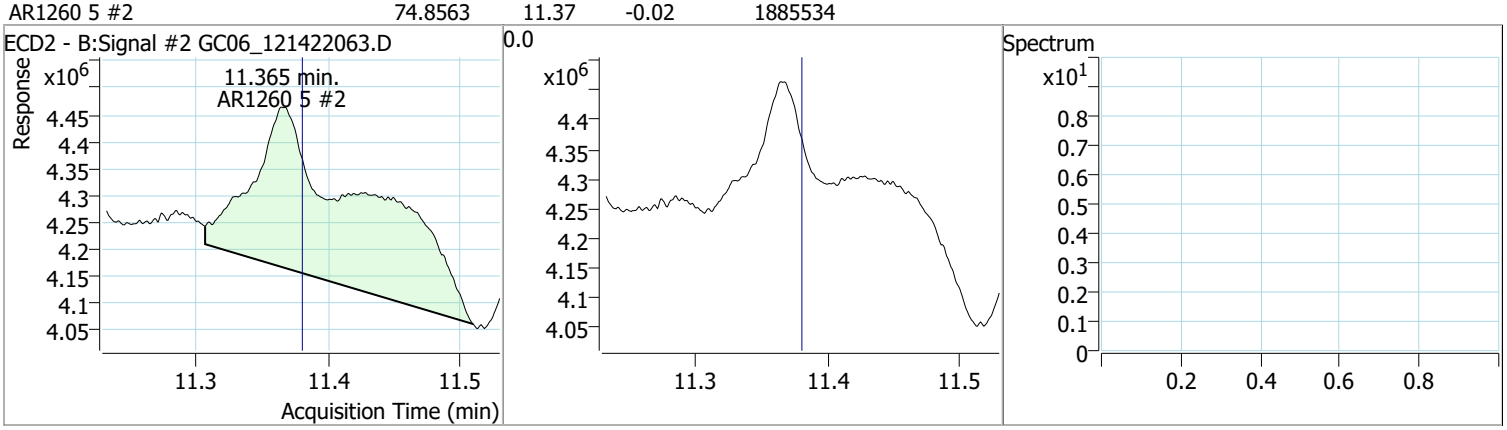
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	10.8434	10.89	0.03	210244				



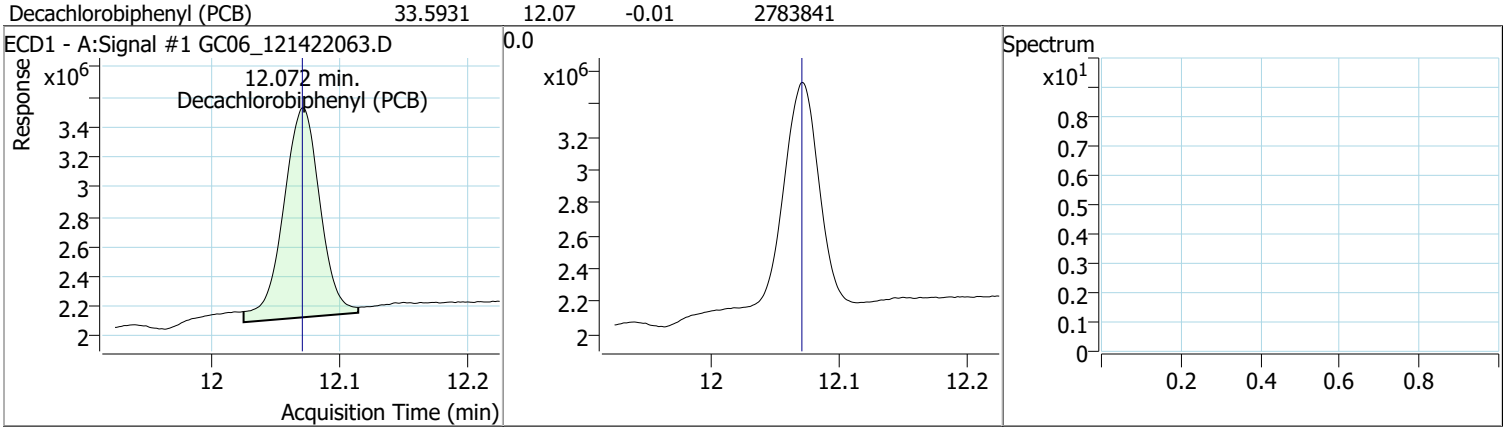
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.17	0.05	212389				



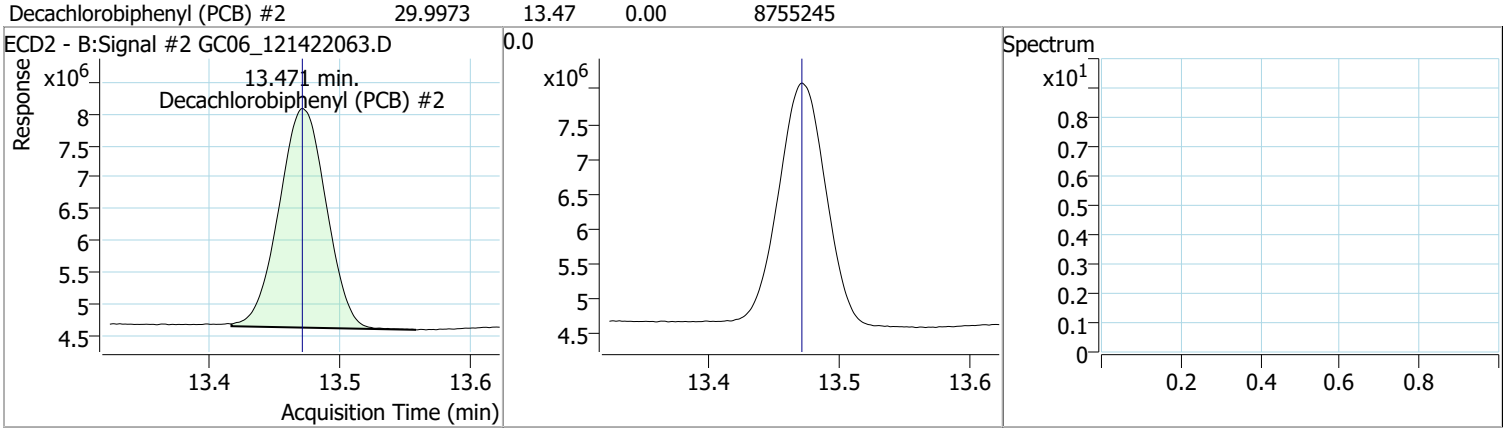
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	74.8563	11.37	-0.02	1885534				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	33.5931	12.07	-0.01	2783841				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	29.9973	13.47	0.00	8755245				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474716-014	Client ID:	20221209-3CD-05-DUP
Seqnum:	452501809033	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422033	Batch:	303181	Time:	14-DEC-2022 21:51
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	21.70	ND	3.8	159%	0.50		u
Aroclor-1016 Peak # 1	B	31.21	0.62	0.02	189%			
Aroclor-1016 Peak # 2	B	2.637	0.05	ND	-374%			
Aroclor-1016 Peak # 3	B	73.36	1.47	0.94	44%			
Aroclor-1016 Peak # 4	B	0.7329	0.01	0.04	85%			
Aroclor-1016 Peak # 5	B	0.5640	0.01	18.18	200%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	21.90	ND	0.46	6%	0.50		u
Aroclor-1260 Peak # 1	B	23.30	0.47	0.99	72%			
Aroclor-1260 Peak # 2	B	48.61	0.97	0.01	197%			
Aroclor-1260 Peak # 3	B	4.659	0.09	0.34	113%			
Aroclor-1260 Peak # 4	B	-22.03	ND	0.84	643%			
Aroclor-1260 Peak # 5	B	54.98	1.10	0.15	152%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	18.66	0.5000	0.3732	75	52-121	u
Decachlorobiphenyl (PCB)	B	22.33	0.5000	0.4466	89	50-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5307613	4773232	-10.07
1-bromo-2-nitrobenzene (PCB)	A	1103956	1004059	-9.05

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

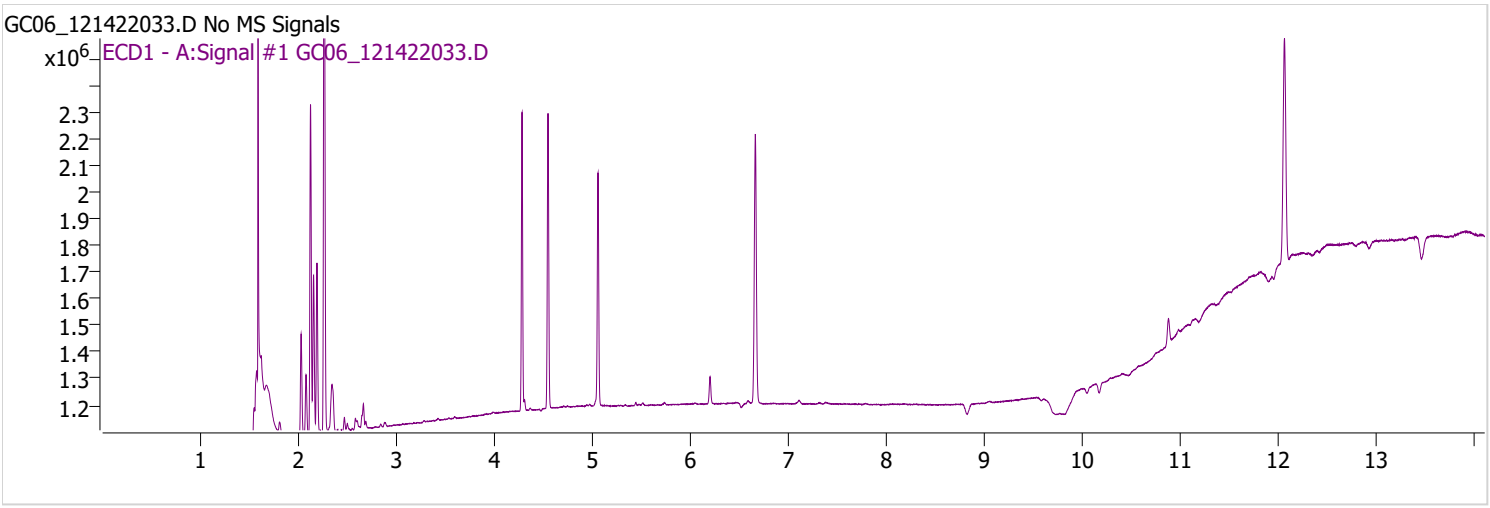
ISTD (CCV gc06_121422004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.28	-0.01

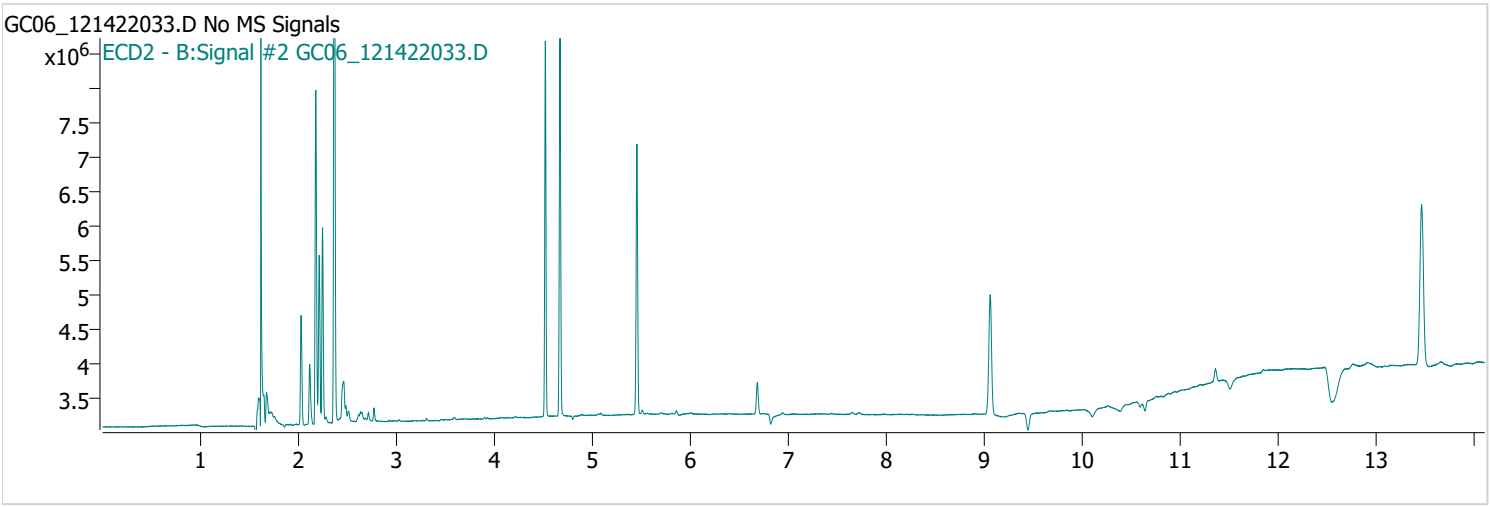
Analyst: MES 12/15/22

Reviewer: LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422033.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 9:51:08 PM
Sample Name	474716-014, 303181, 1	Instrument	SVOA-GC06
Vial	22	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



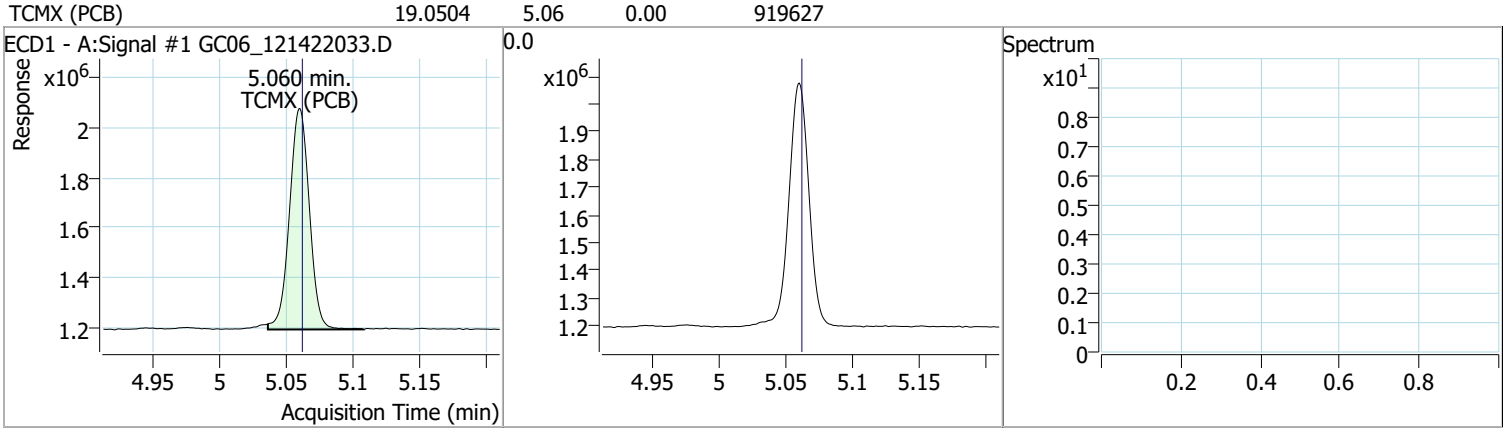


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	1004058.714	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	4773231.583	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.060	0.0	919627.006	19.0504	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 95.25%		
S TCMX (PCB) #2	5.457	0.0	4278012.062	18.6624	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 93.31%		
S Decachlorobiphenyl (PCB)	12.071	0.0	1747015.477	24.3857	ng/ml	-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 121.93%		
S Decachlorobiphenyl (PCB) #2	13.472	0.0	5934952.854	22.3321	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 111.66%		
Target Compounds						QValue
T AR1016 1	5.409	0.0	936.081	0.8892	ng/ml	100

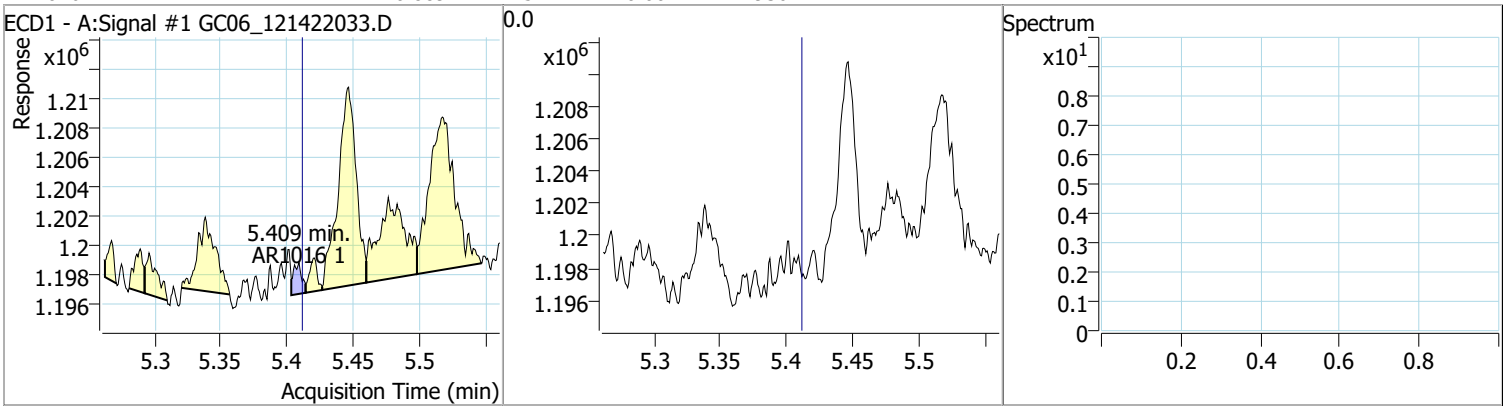
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.739	0.0	14028.327	0.0000	ng/ml	100
T AR1016 1 #2	6.008	0.0	154823.400	31.2086	ng/ml	100
T AR1016 3	6.204	0.0	125583.812	47.0531	ng/ml	100
T AR1016 4	6.343	0.0	3707.861	1.8266	ng/ml	100
T AR1016 2 #2	6.402	0.0	18886.988	2.6374	ng/ml	100
T AR1016 5	6.667	0.0	1486031.400	908.8799	ng/ml	100
T AR1016 3 #2	6.944	0.0	954539.077	73.3574	ng/ml	100
T AR1016 4 #2	7.141	0.0	6808.494	0.7329	ng/ml	100
T AR1016 5 #2	7.296	0.0	4258.566	0.5640	ng/ml	100
T AR1260 1	8.781	0.0	167582.896	49.3654	ng/ml	100
T AR1260 2	9.278	0.0	1907.774	0.3687	ng/ml	100
T AR1260 3	9.614	0.0	91102.680	16.8454	ng/ml	100
T AR1260 1 #2	10.020	0.0	330994.815	23.3012	ng/ml	100
T AR1260 4	10.142	0.0	163814.584	41.9086	ng/ml	100
T AR1260 2 #2	10.269	0.0	829695.364	48.6120	ng/ml	100
T AR1260 3 #2	10.617	0.0	100655.566	4.6591	ng/ml	100
T AR1260 5	10.886	0.0	153859.290	7.4555	ng/ml	100
T AR1260 4 #2	11.166	0.0	19230.074	0.0000	ng/ml	100
T AR1260 5 #2	11.367	0.0	1322294.493	54.9916	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

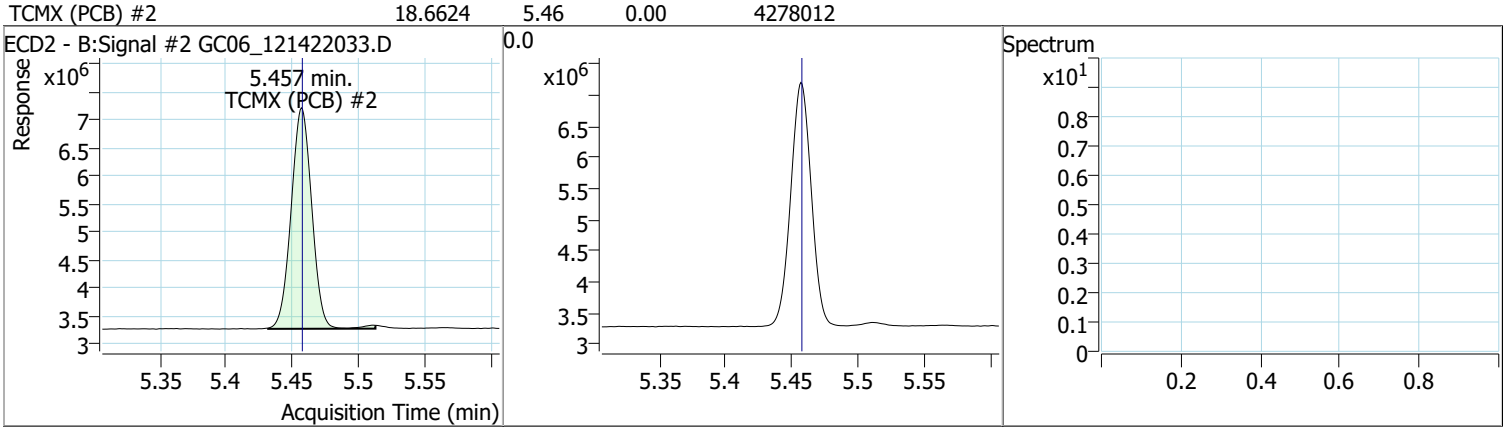
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	19.0504	5.06	0.00	919627				



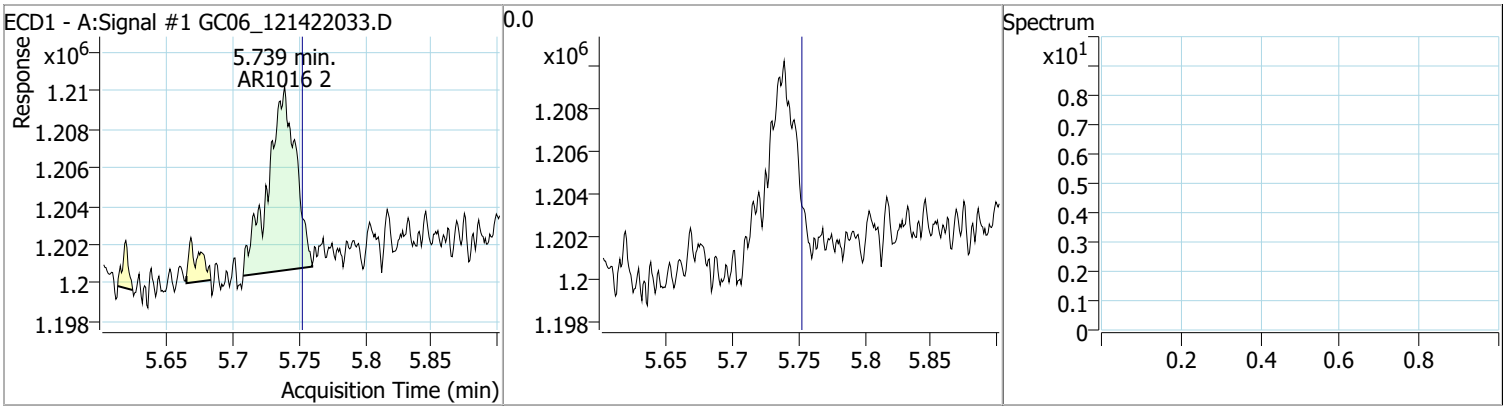
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	0.8892	5.41	0.00	936				



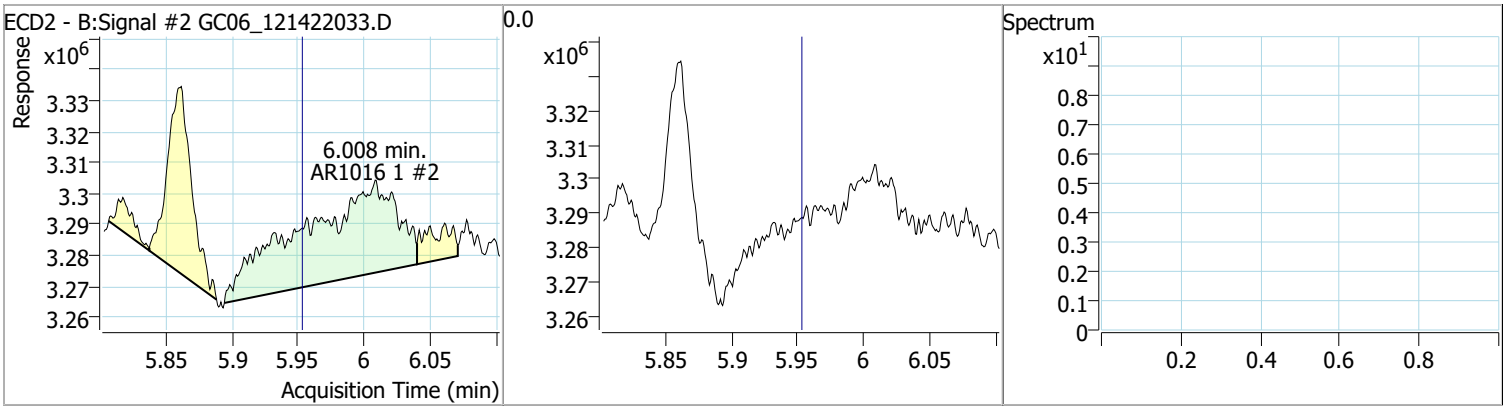
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	18.6624	5.46	0.00	4278012				



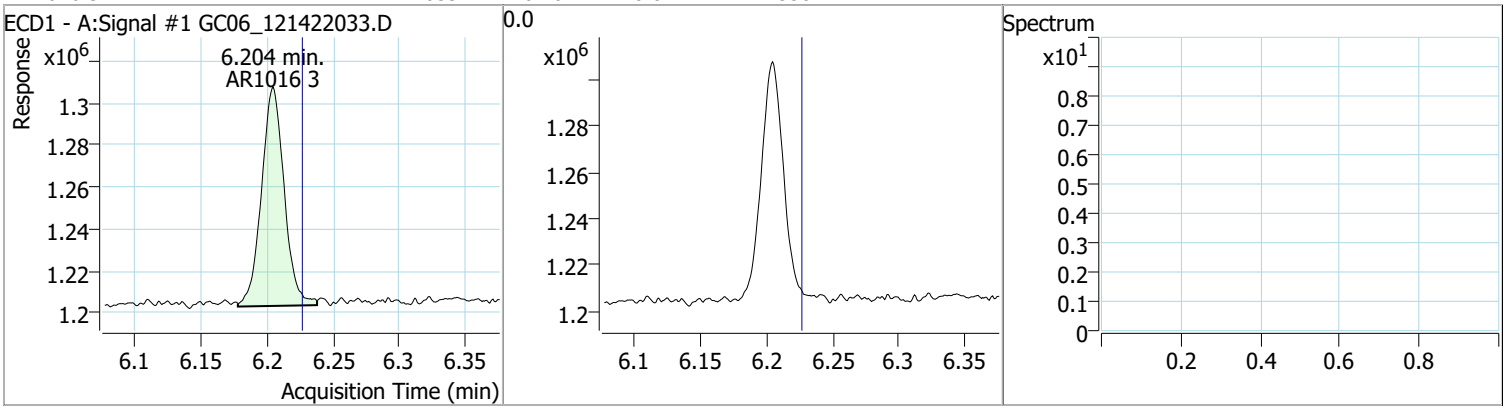
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.74	-0.01	14028				



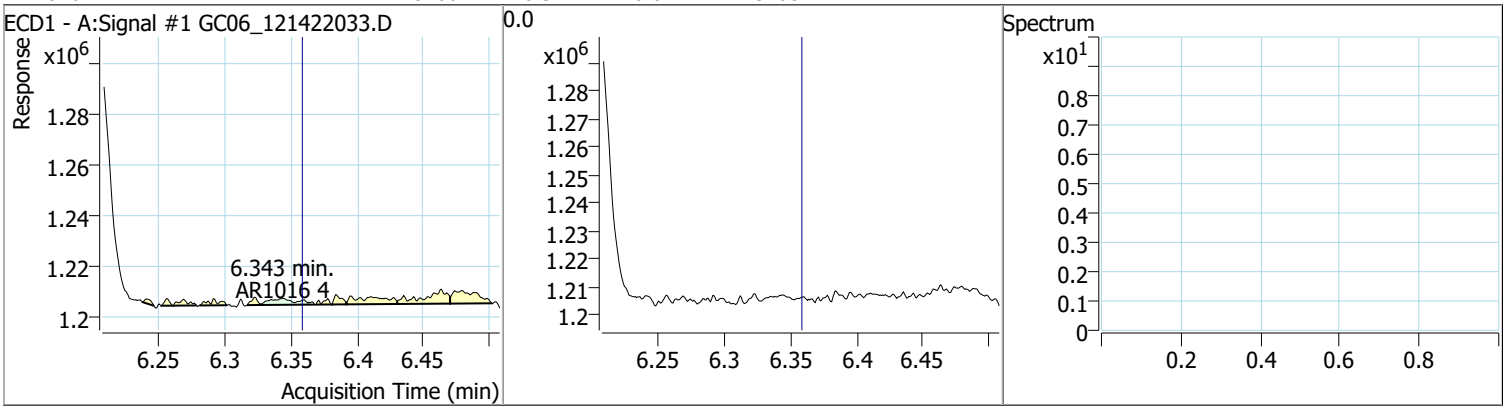
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	31.2086	6.01	0.05	154823				



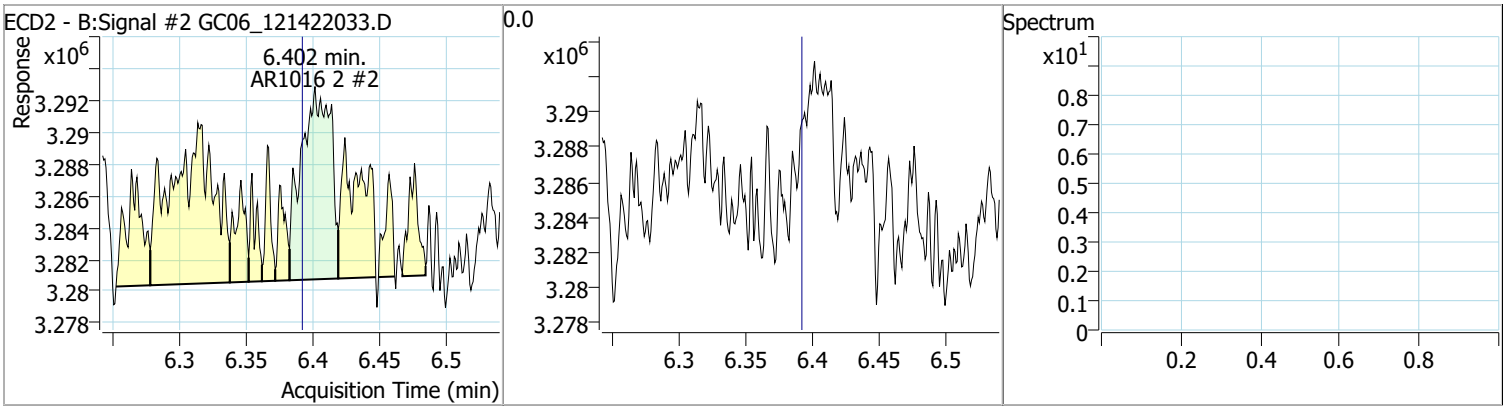
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	47.0531	6.20	-0.02	125584				



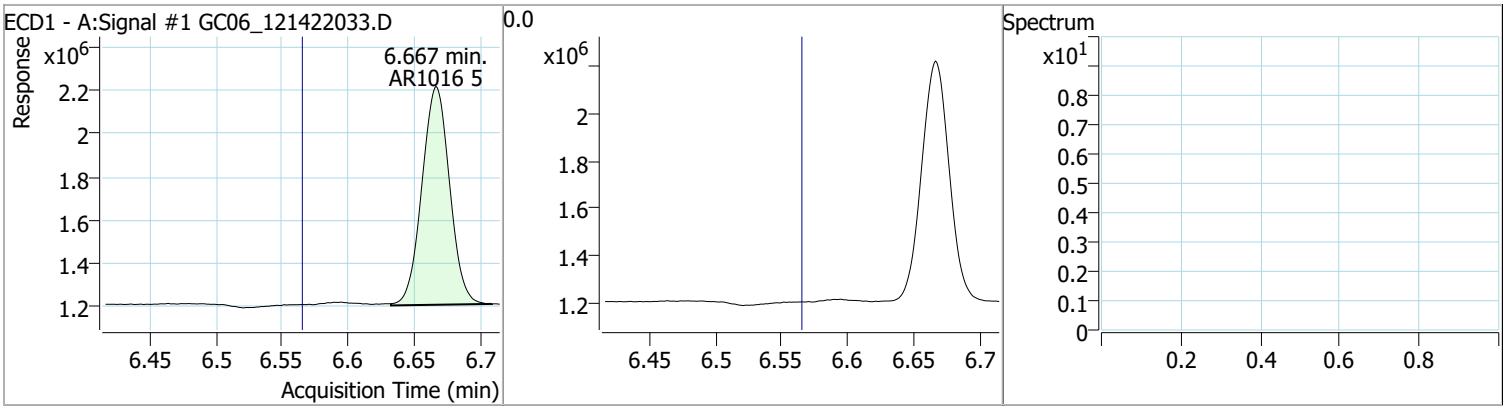
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1.8266	6.34	-0.02	3708				



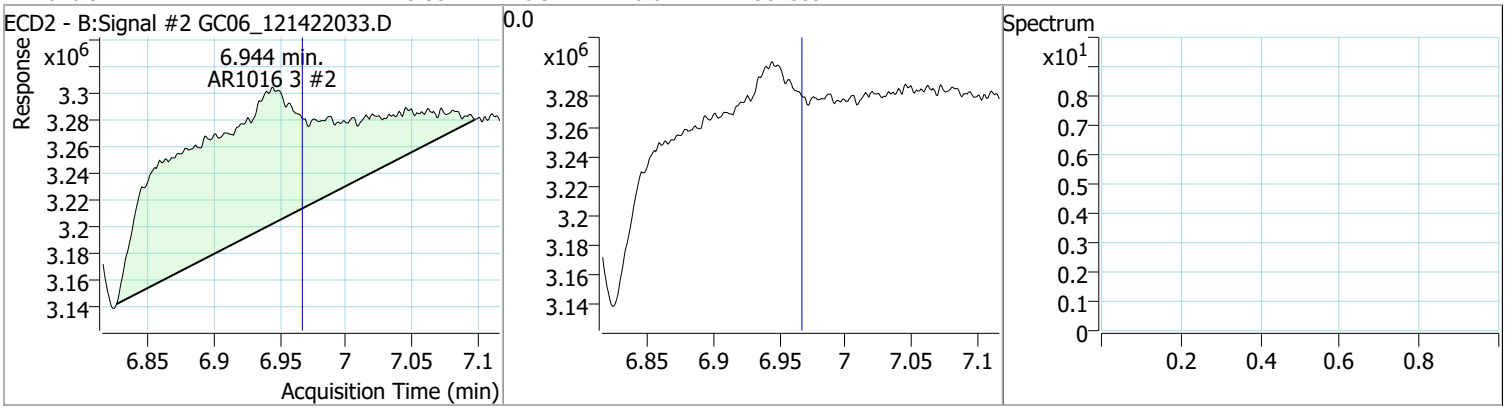
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	2.6374	6.40	0.01	18887				



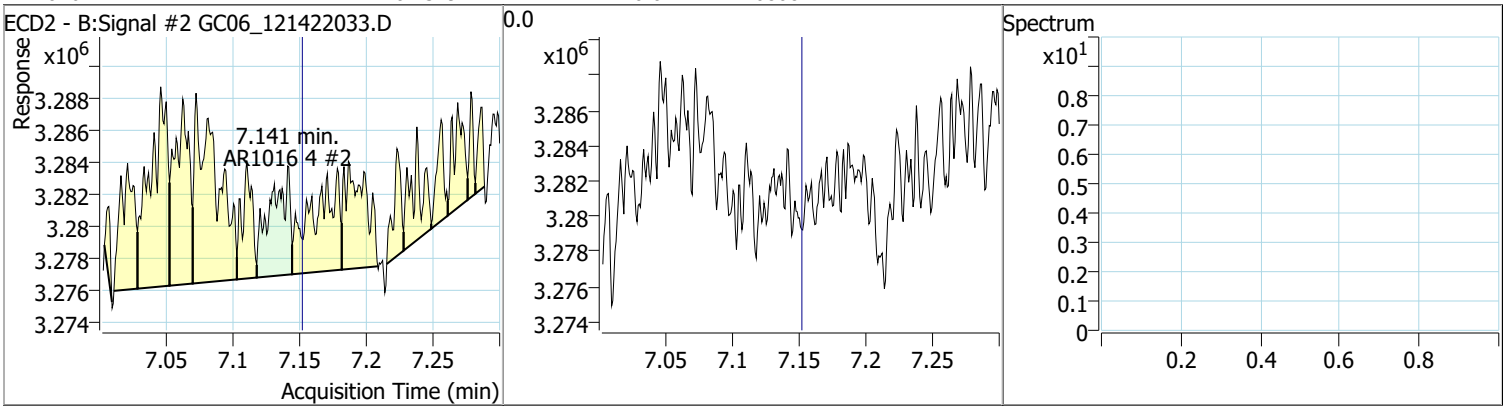
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	908.8799	6.67	0.10	1486031				



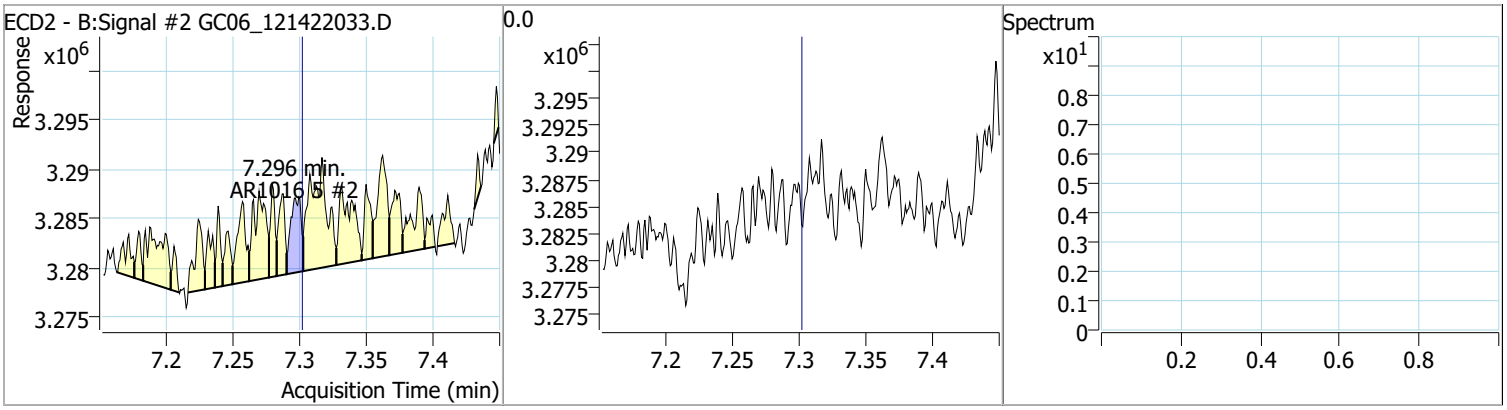
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	73.3574	6.94	-0.02	954539				



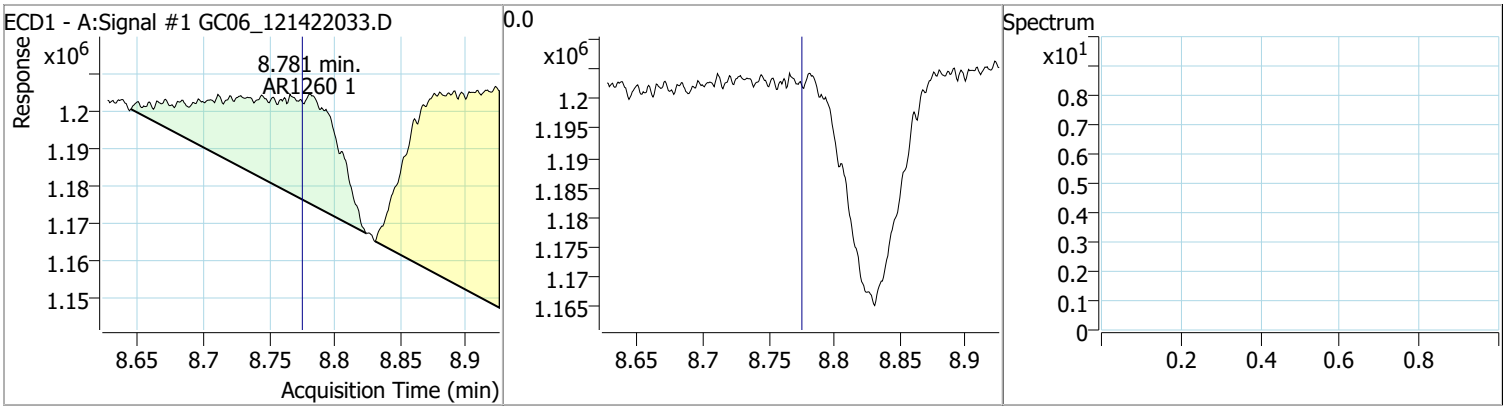
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.7329	7.14	-0.01	6808				



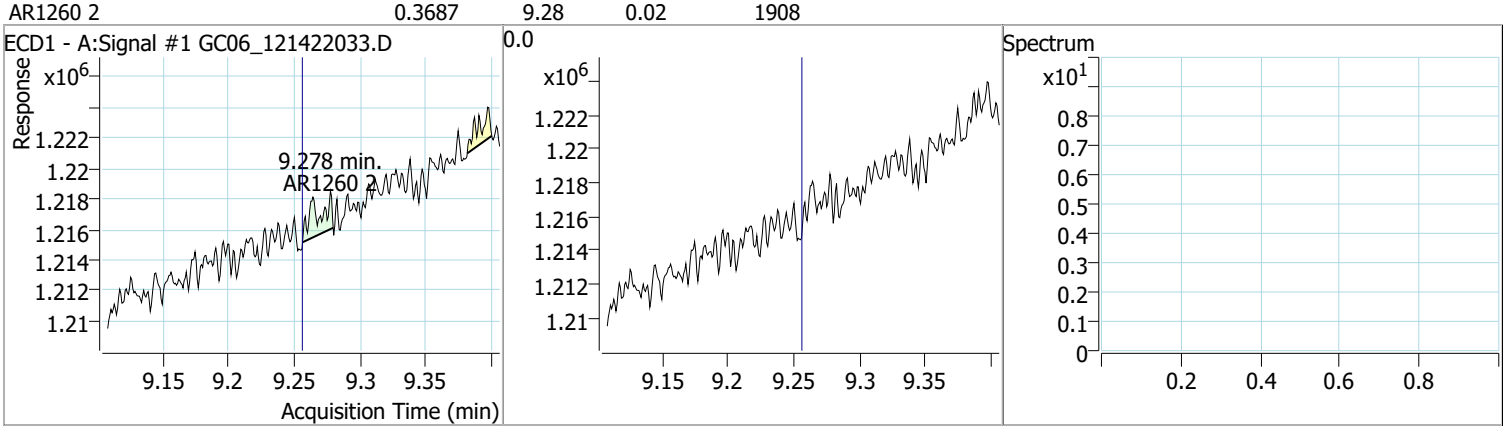
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.5640	7.30	-0.01	4259				



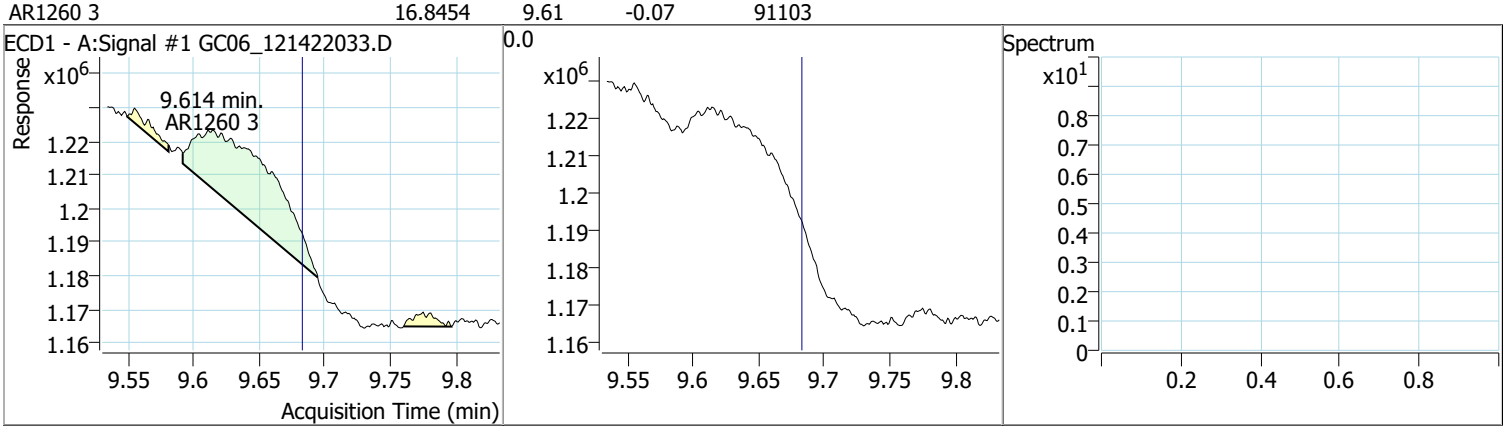
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	49.3654	8.78	0.00	167583				



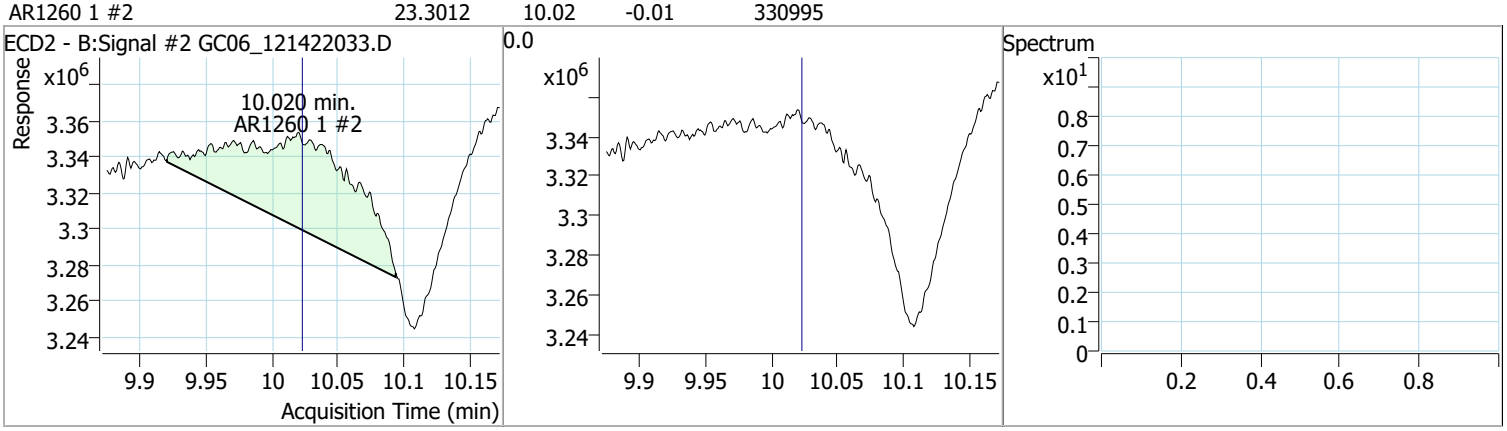
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.3687	9.28	0.02	1908				



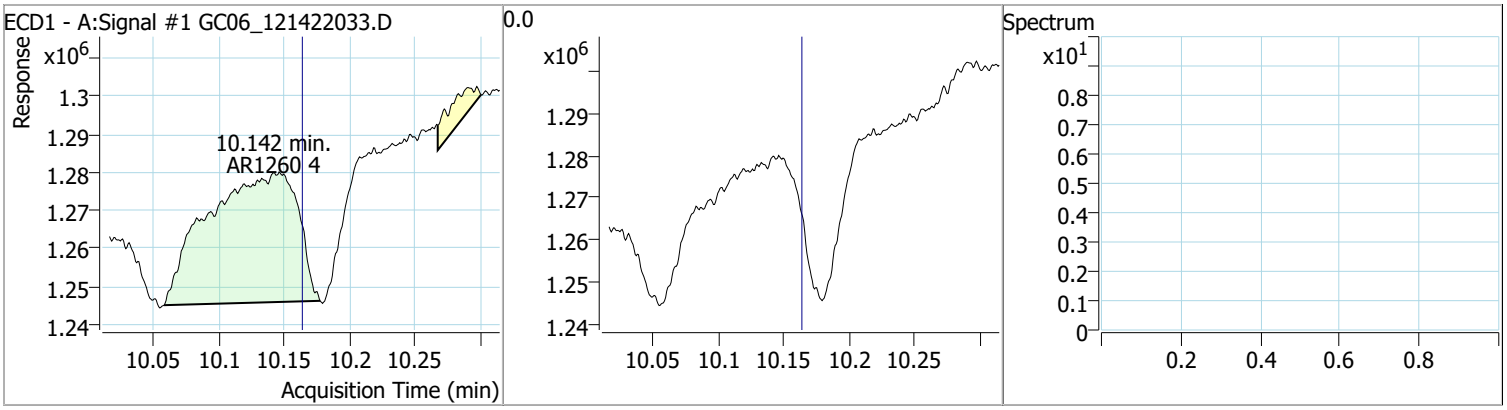
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	16.8454	9.61	-0.07	91103				



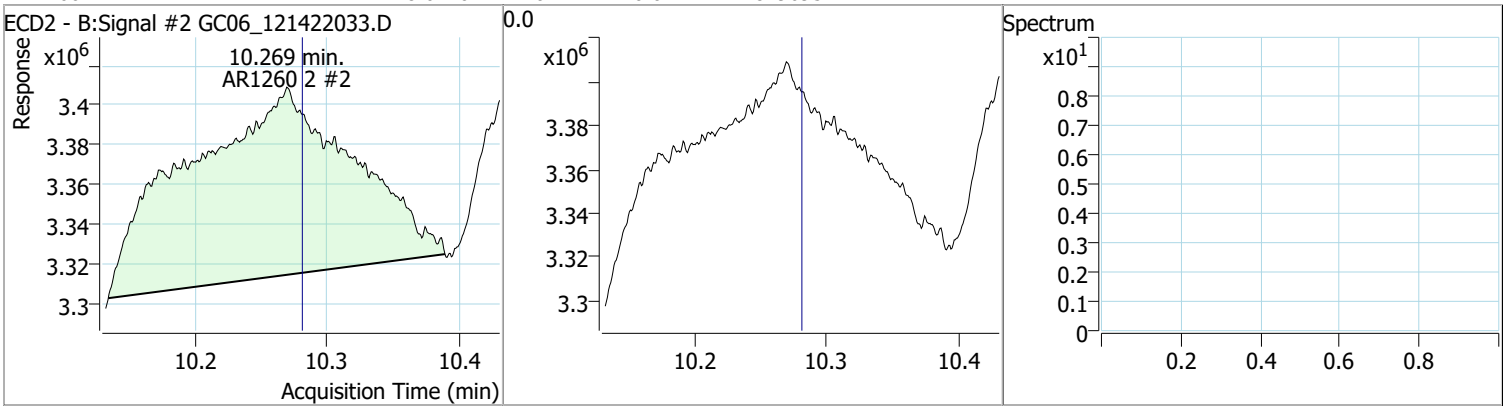
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	23.3012	10.02	-0.01	330995				



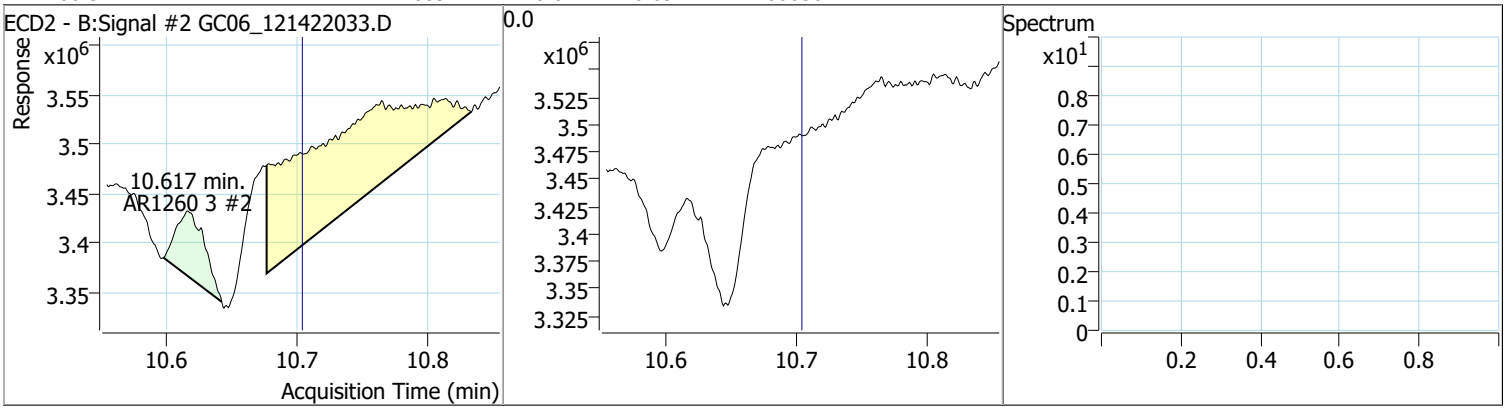
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	41.9086	10.14	-0.03	163815				



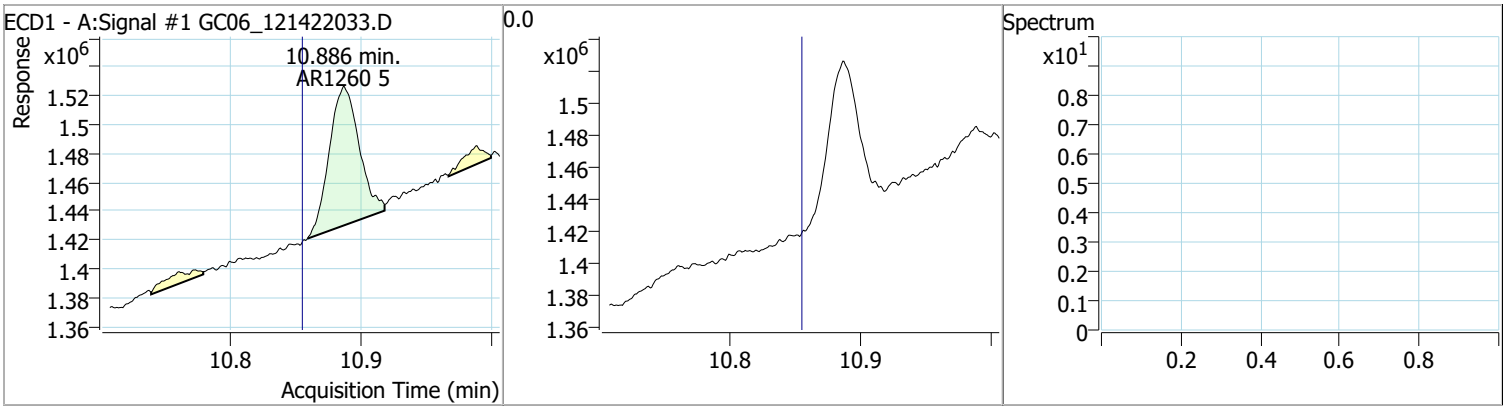
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	48.6120	10.27	-0.01	829695				



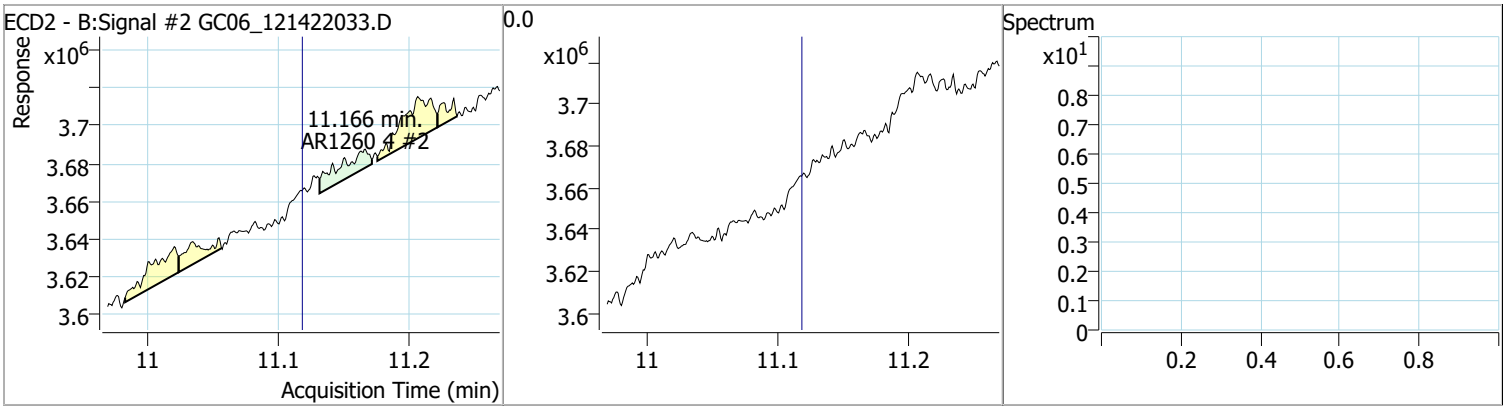
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	4.6591	10.62	-0.09	100656				



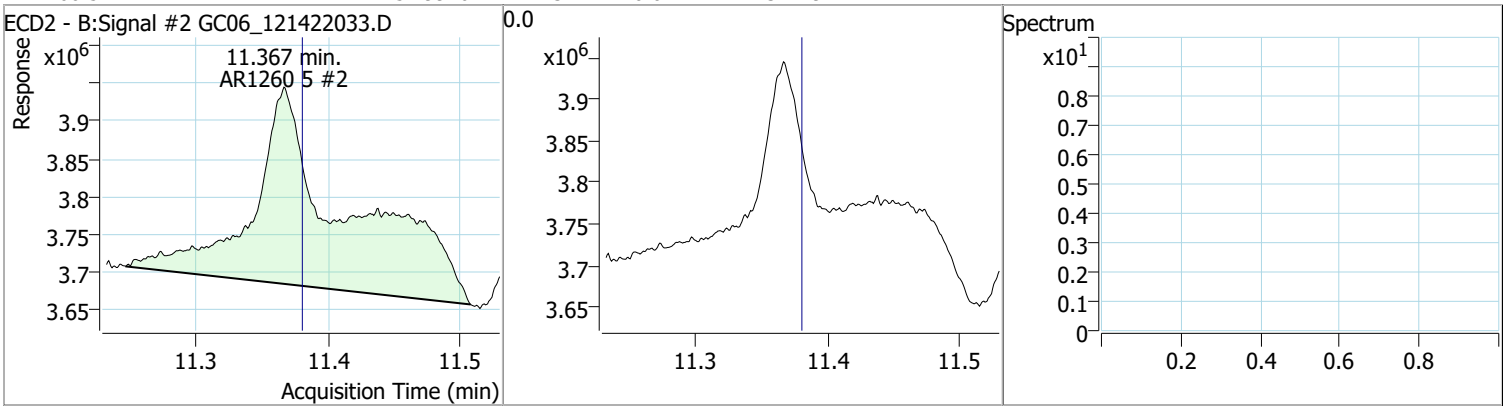
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	7.4555	10.89	0.03	153859				



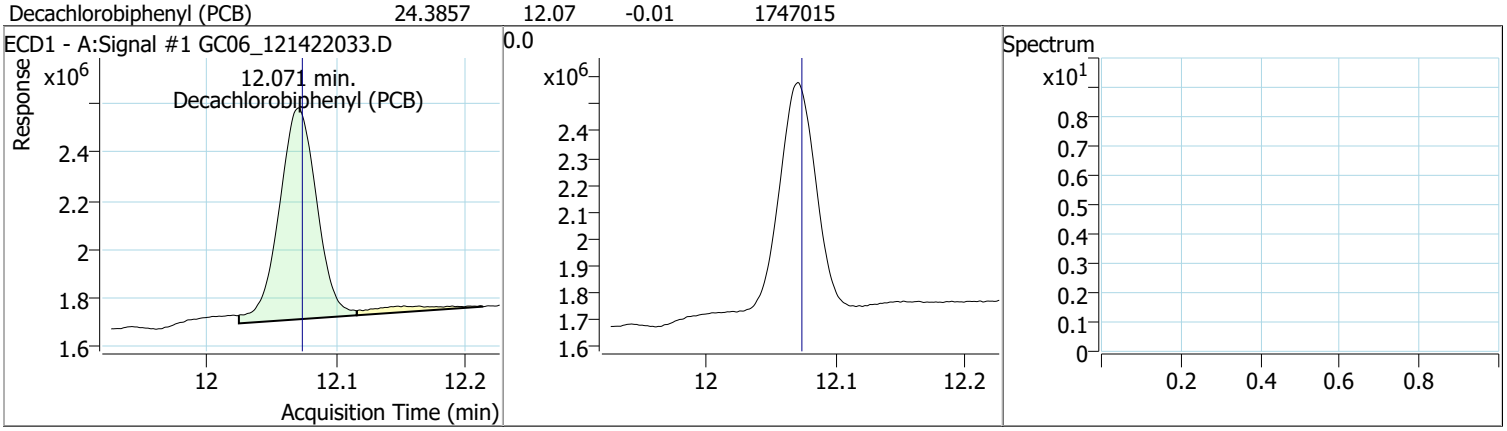
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.17	0.05	19230				



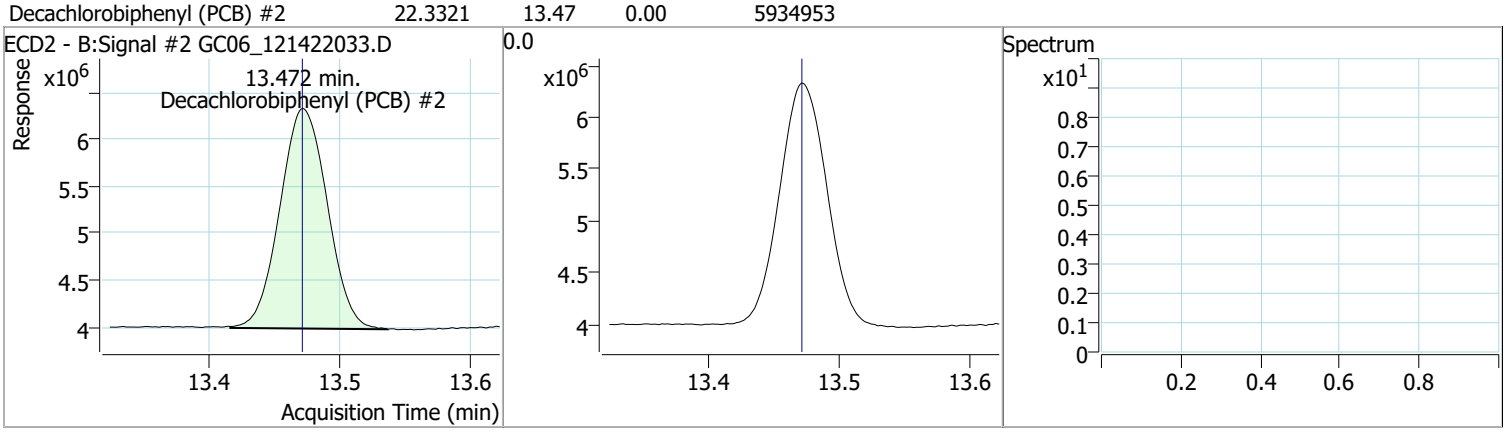
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	54.9916	11.37	-0.02	1322294				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	24.3857	12.07	-0.01	1747015				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	22.3321	13.47	0.00	5934953				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	474716-015	Client ID:	ARCH-C2W-DG-4 TO 4.5-UP-C2.7-DG-221209-P-DUP-LA
Seqnum:	452501809034	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_121422034	Batch:	303181	Time:	14-DEC-2022 22:09
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.09 dm2 ⇨ 20.0 ml = 18.30 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	22.56	ND	0.32	26%	0.46		u
Aroclor-1016 Peak # 1	B	36.33	0.66	0.10	150%			
Aroclor-1016 Peak # 2	B	2.380	0.04	ND	-374%			
Aroclor-1016 Peak # 3	B	68.37	1.25	0.85	38%			
Aroclor-1016 Peak # 4	B	0.2138	0.00	0.02	128%			
Aroclor-1016 Peak # 5	B	5.532	0.10	0.76	153%			
Aroclor-1221	B		ND			0.46		u
Aroclor-1232	B		ND			0.46		u
Aroclor-1242	B		ND			0.46		u
Aroclor-1248	B		ND			0.46		u
Aroclor-1254	B		ND			0.46		u
Aroclor-1260	B	42.26	~~0.77~~ ~~FP~~	0.26	100%	0.46		x u
Aroclor-1260 Peak # 1	B	135.2	2.48	0.35	151%			
Aroclor-1260 Peak # 2	B	58.20	1.07	0.00	198%			
Aroclor-1260 Peak # 3	B	4.868	0.09	0.06	47%			
Aroclor-1260 Peak # 4	B	-20.86	ND	0.75	610%			
Aroclor-1260 Peak # 5	B	33.83	0.62	0.12	135%			
Aroclor-1262	B		ND			0.46		u
Aroclor-1268	B		ND			0.46		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	18.77	0.4576	0.3436	75	52-121	u
Decachlorobiphenyl (PCB)	B	23.50	0.4576	0.4301	94	50-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5307613	4475071	-15.69
1-bromo-2-nitrobenzene (PCB)	A	1103956	943806	-14.51

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

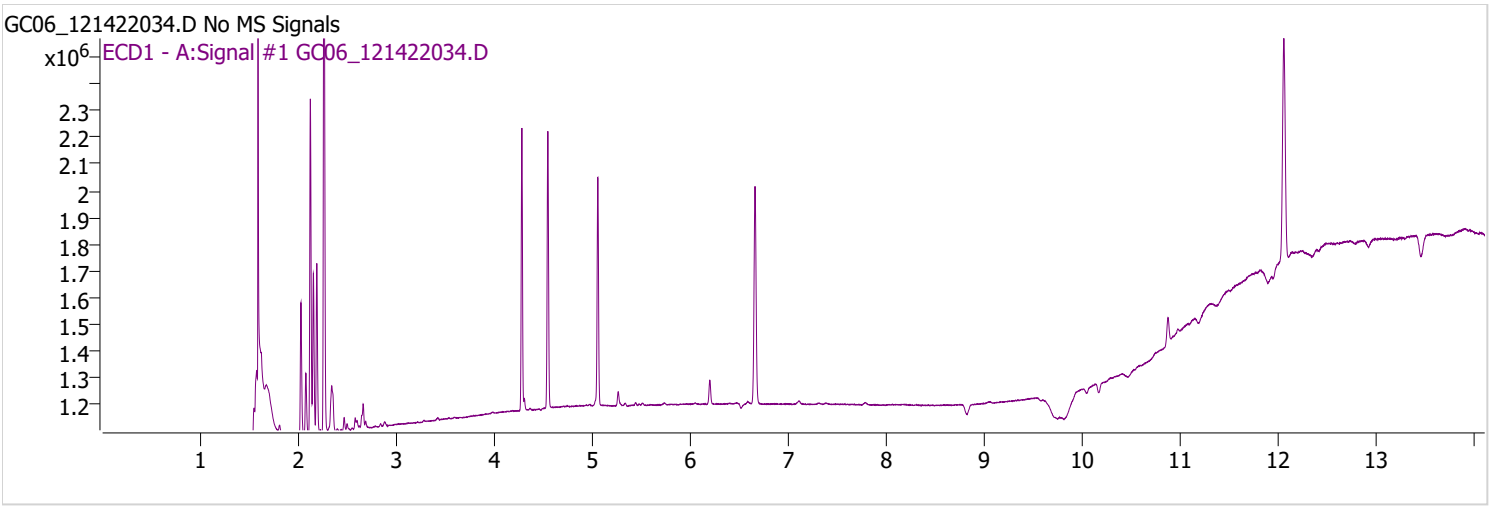
ISTD (CCV gc06_121422004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.28	-0.01

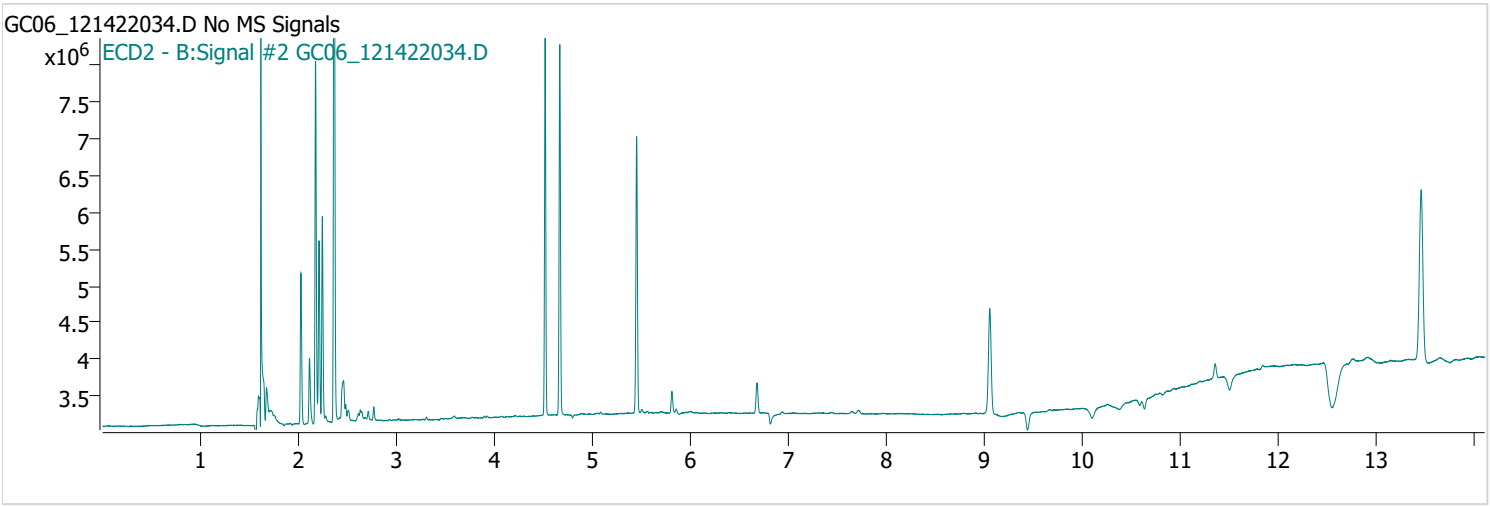
Analyst: MES 12/15/22

Reviewer: LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422034.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 10:09:26 PM
Sample Name	474716-015, 303181, 1	Instrument	SVOA-GC06
Vial	23	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



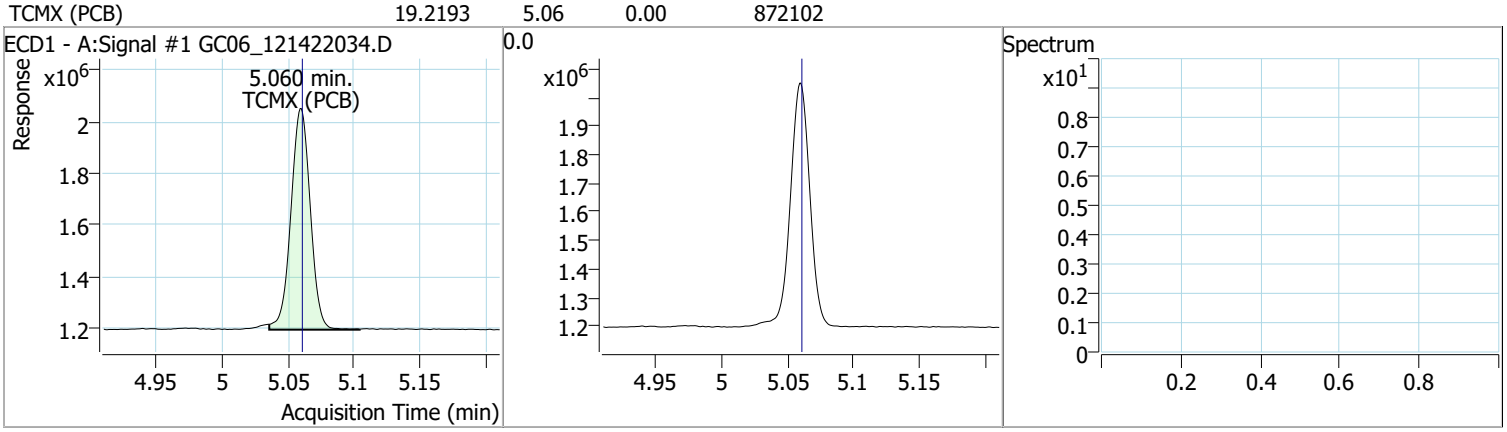


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.283	0.0	943805.526	20.0000	ng/ml	-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	4475071.078	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.060	0.0	872102.161	19.2193	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 96.10%		
S TCMX (PCB) #2	5.457	0.0	4034913.809	18.7746	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 93.87%		
S Decachlorobiphenyl (PCB)	12.069	0.0	1761149.248	26.4655	ng/ml	-0.009
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 132.33%		
S Decachlorobiphenyl (PCB) #2	13.472	0.0	5830238.178	23.5007	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 117.50%		
Target Compounds						QValue
T AR1016 1	5.420	0.0	5191.382	5.2464	ng/ml	100

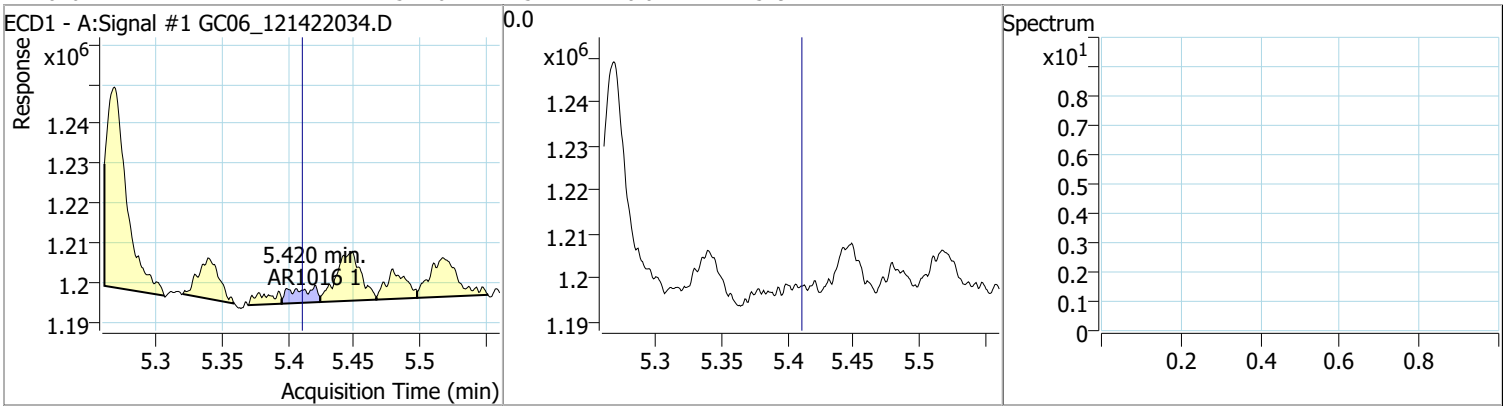
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.738	0.0	14848.399	0.0000	ng/ml	100
T AR1016 1 #2	6.005	0.0	168966.310	36.3287	ng/ml	100
T AR1016 3	6.203	0.0	117195.500	46.7135	ng/ml	100
T AR1016 4	6.348	0.0	1849.174	0.9691	ng/ml	100
T AR1016 2 #2	6.399	0.0	15982.422	2.3805	ng/ml	100
T AR1016 5	6.591	0.0	64111.463	41.7149	ng/ml	100
T AR1016 3 #2	6.947	0.0	834043.271	68.3678	ng/ml	100
T AR1016 4 #2	7.165	0.0	1862.026	0.2138	ng/ml	100
T AR1016 5 #2	7.305	0.0	39164.196	5.5322	ng/ml	100
T AR1260 1	8.784	0.0	60700.302	19.0222	ng/ml	100
T AR1260 2	9.327	0.0	1171.395	0.2408	ng/ml	100
T AR1260 3	9.779	0.0	15353.385	3.0202	ng/ml	100
T AR1260 1 #2	10.013	0.0	1801230.960	135.2503	ng/ml	100
T AR1260 4	10.138	0.0	152064.413	41.1936	ng/ml	100
T AR1260 2 #2	10.267	0.0	931270.289	58.1986	ng/ml	100
T AR1260 3 #2	10.613	0.0	98607.733	4.8684	ng/ml	100
T AR1260 5	10.885	0.0	139541.976	6.5572	ng/ml	100
T AR1260 4 #2	11.217	0.0	31016.283	0.0000	ng/ml	100
T AR1260 5 #2	11.367	0.0	883665.248	33.8399	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

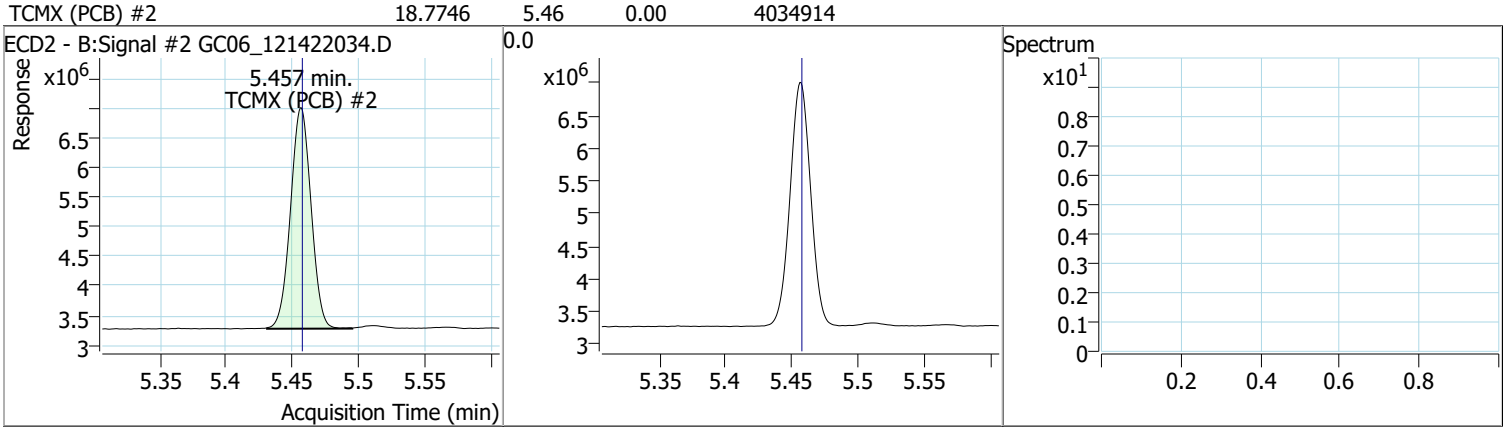
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	19.2193	5.06	0.00	872102				



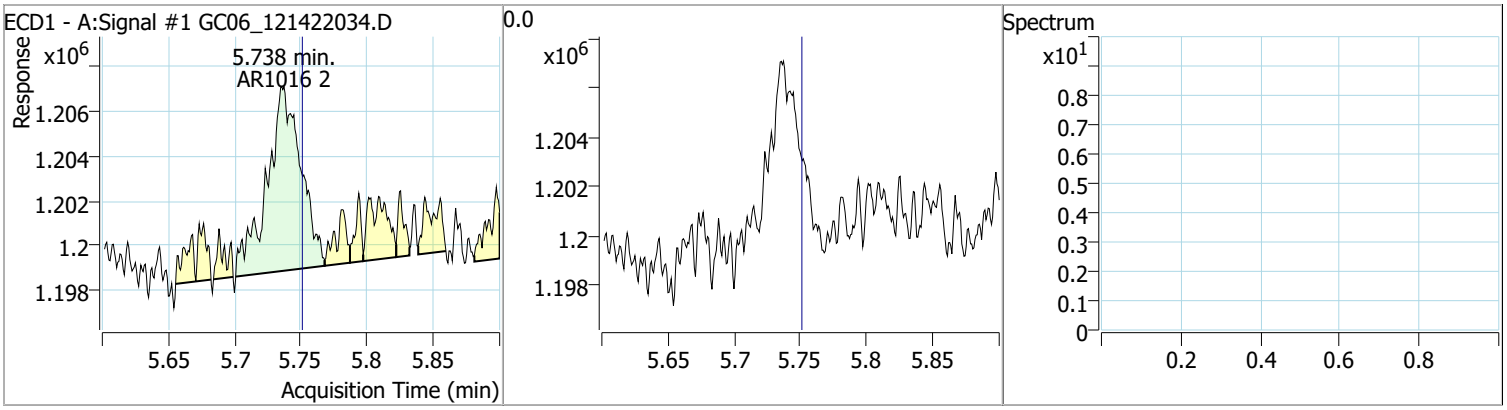
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	5.2464	5.42	0.01	5191				



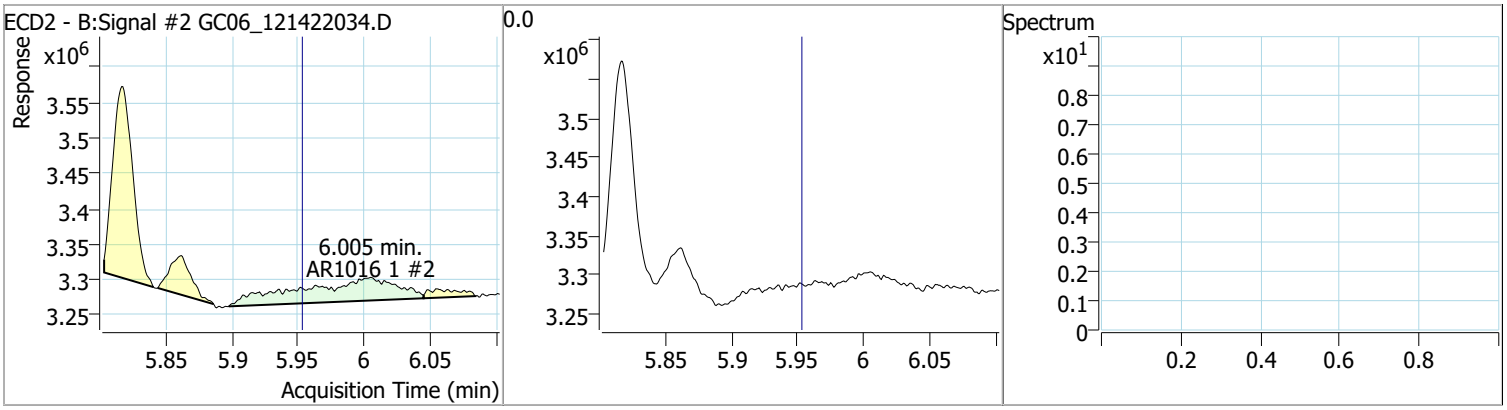
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	18.7746	5.46	0.00	4034914				



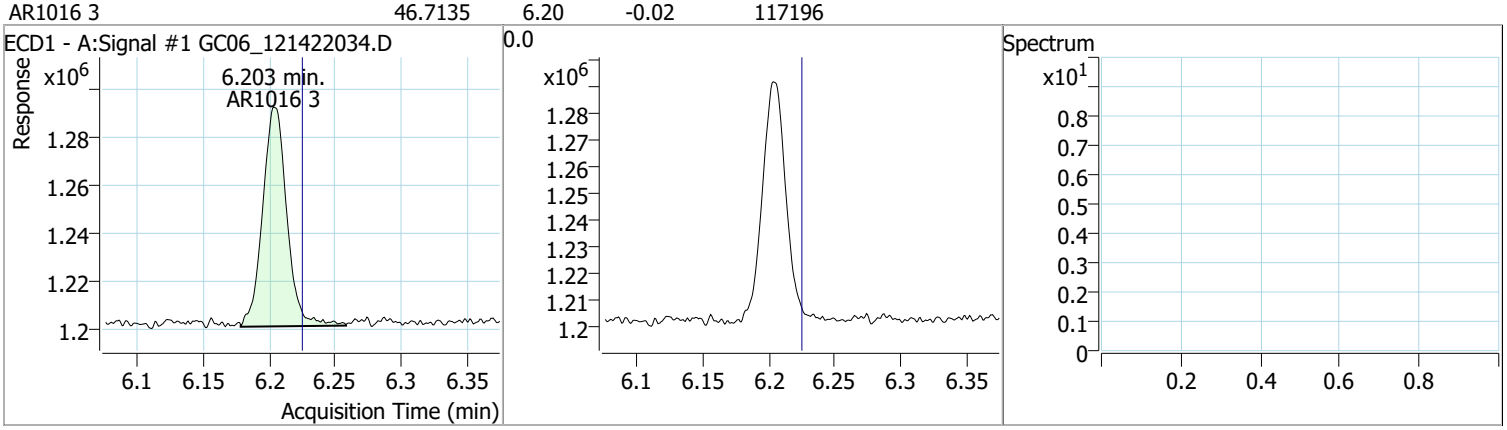
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.74	-0.02	14848				



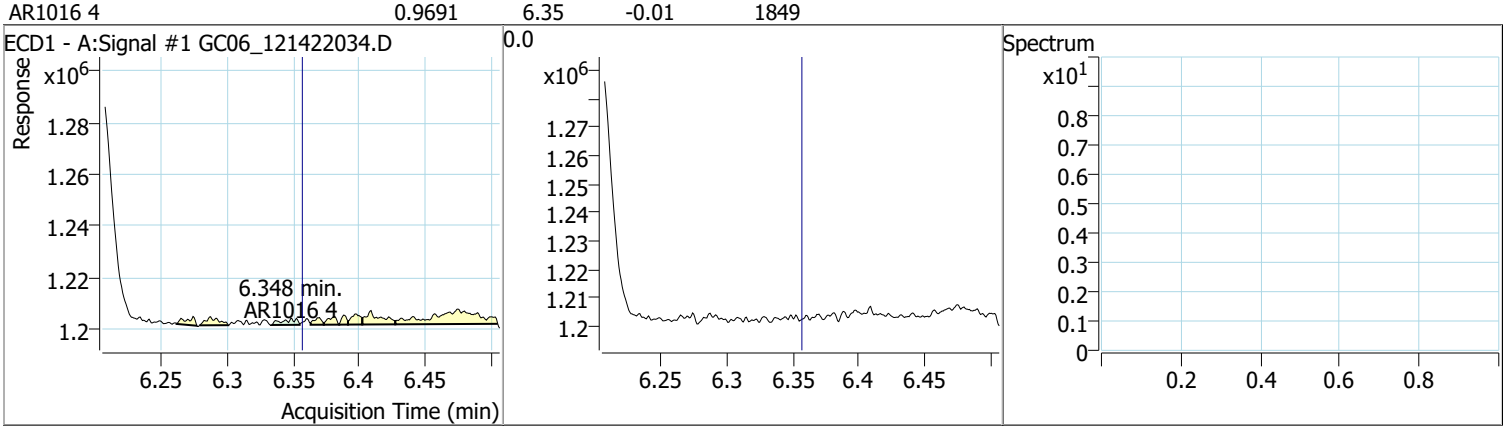
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	36.3287	6.01	0.05	168966				



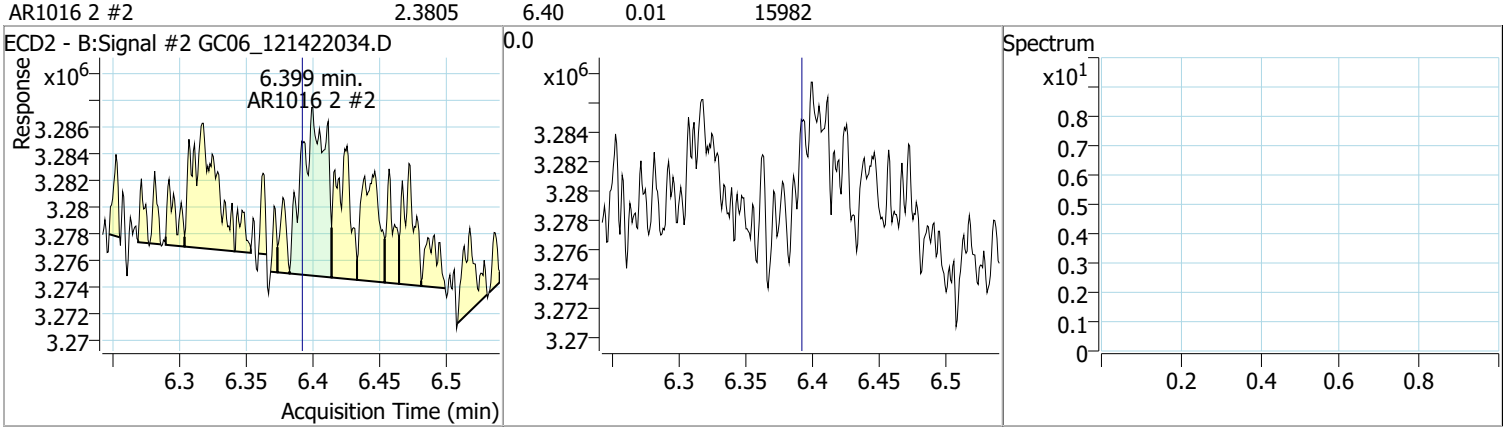
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	46.7135	6.20	-0.02	117196				



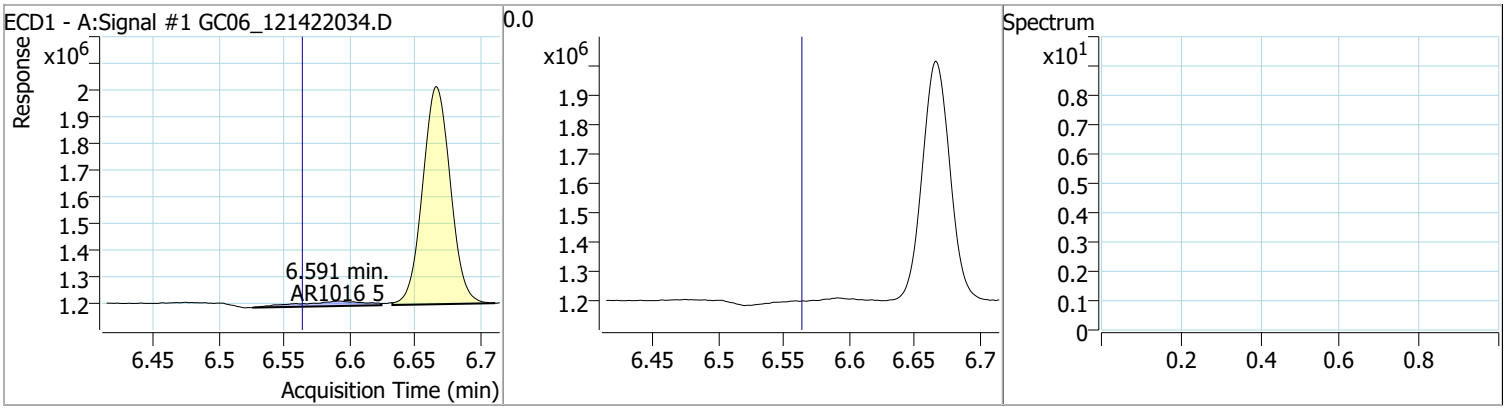
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.9691	6.35	-0.01	1849				



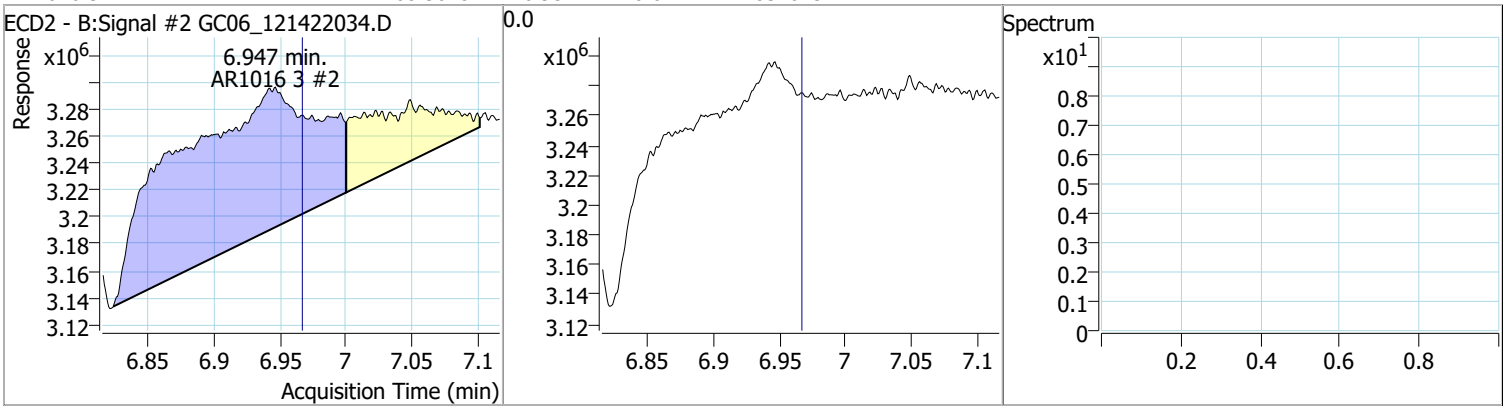
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	2.3805	6.40	0.01	15982				



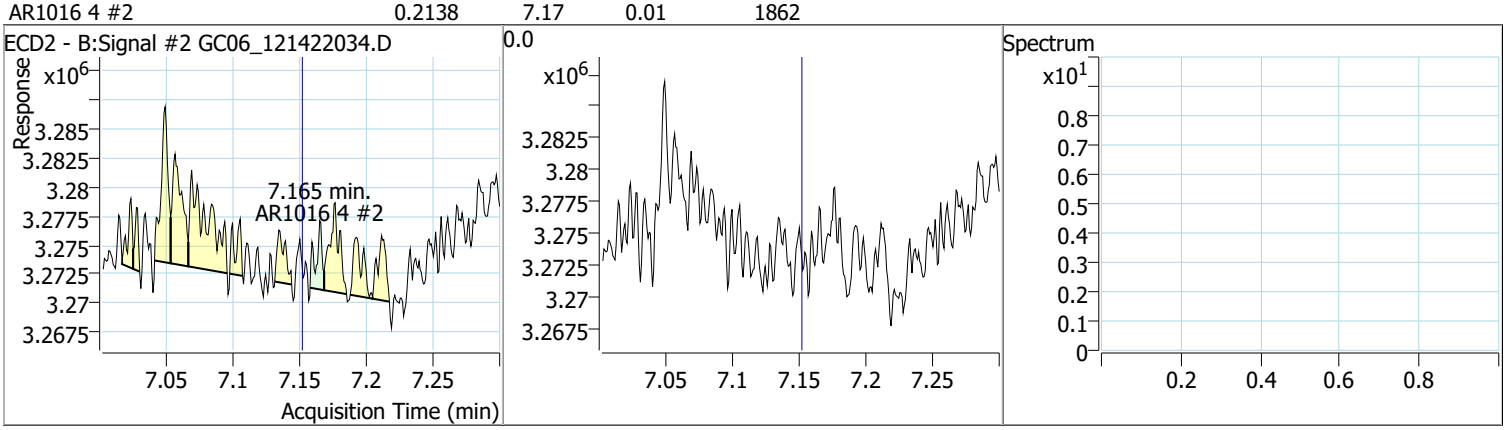
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	41.7149	6.59	0.02	64111				



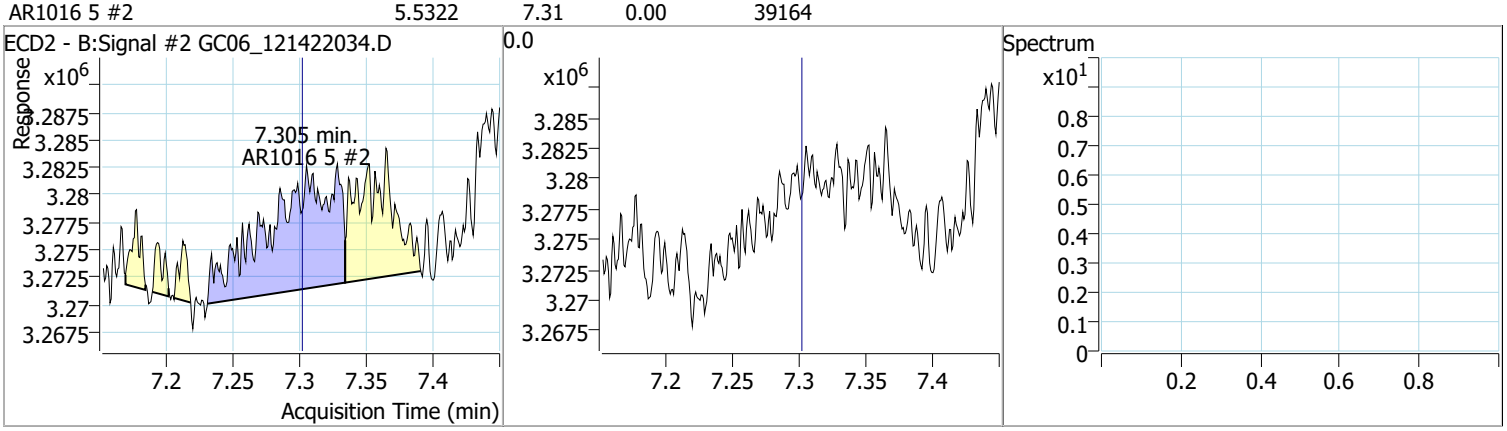
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	68.3678	6.95	-0.02	834043				



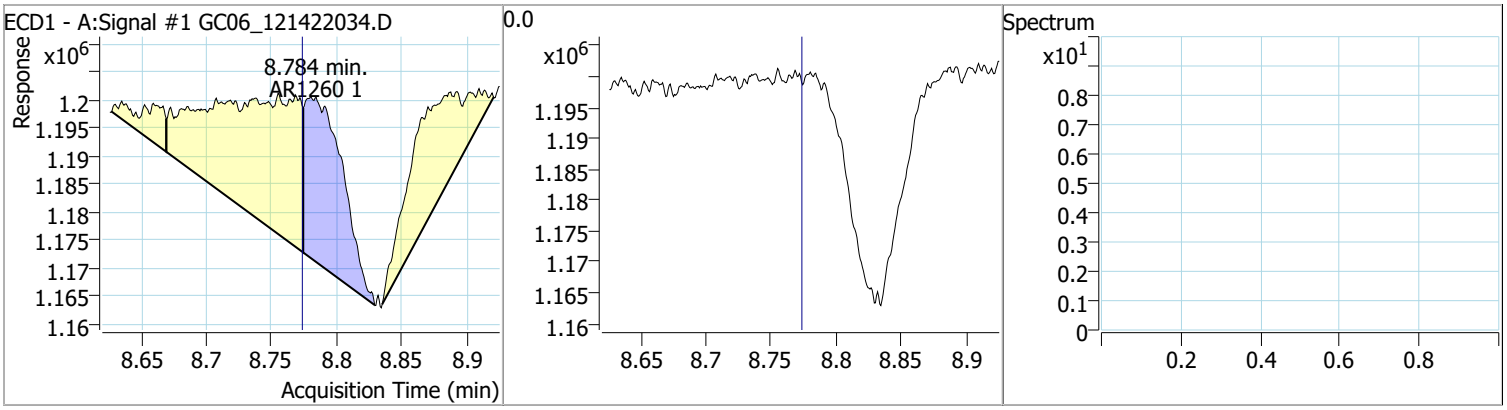
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.2138	7.17	0.01	1862				



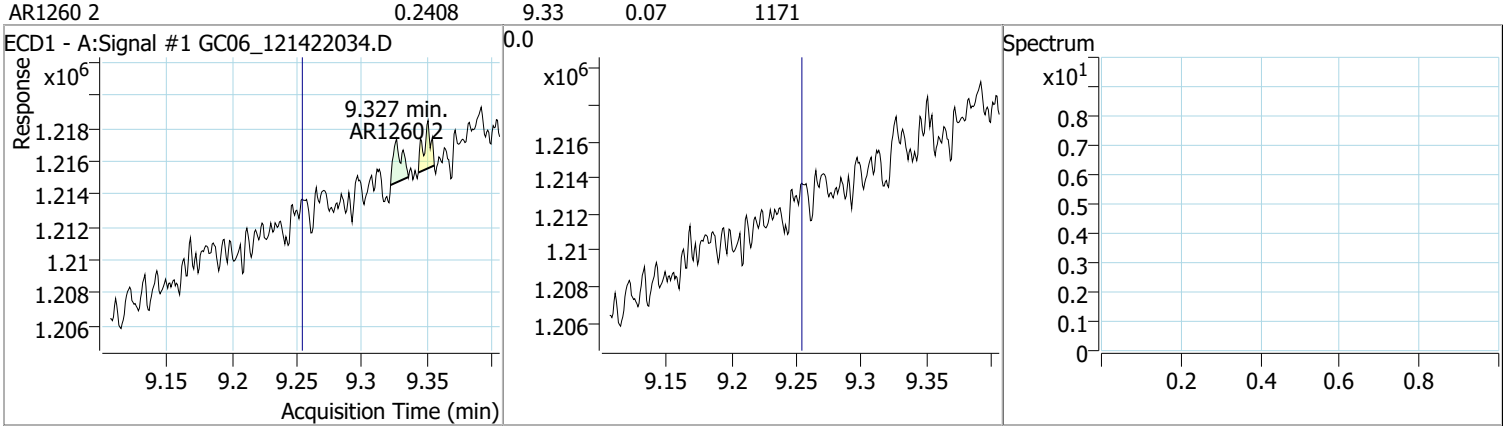
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	5.5322	7.31	0.00	39164				



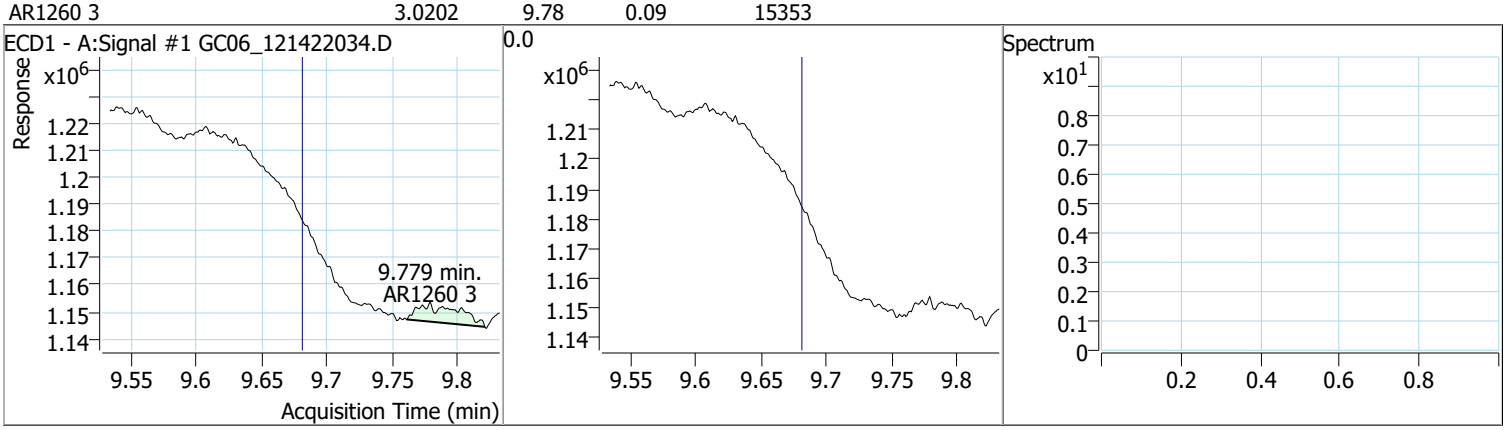
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	19.0222	8.78	0.01	60700				



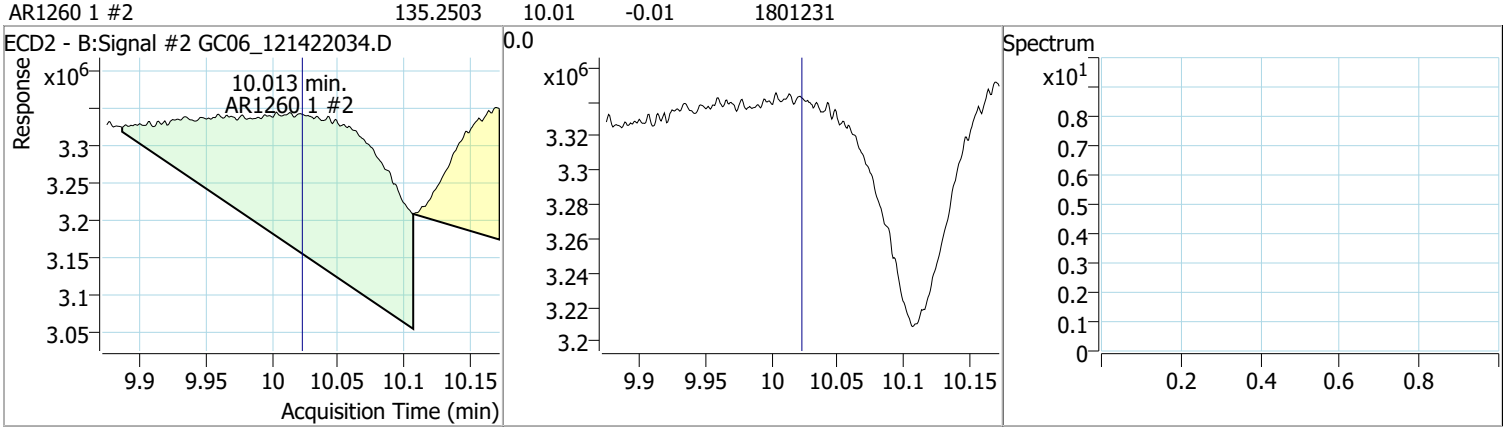
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.2408	9.33	0.07	1171				



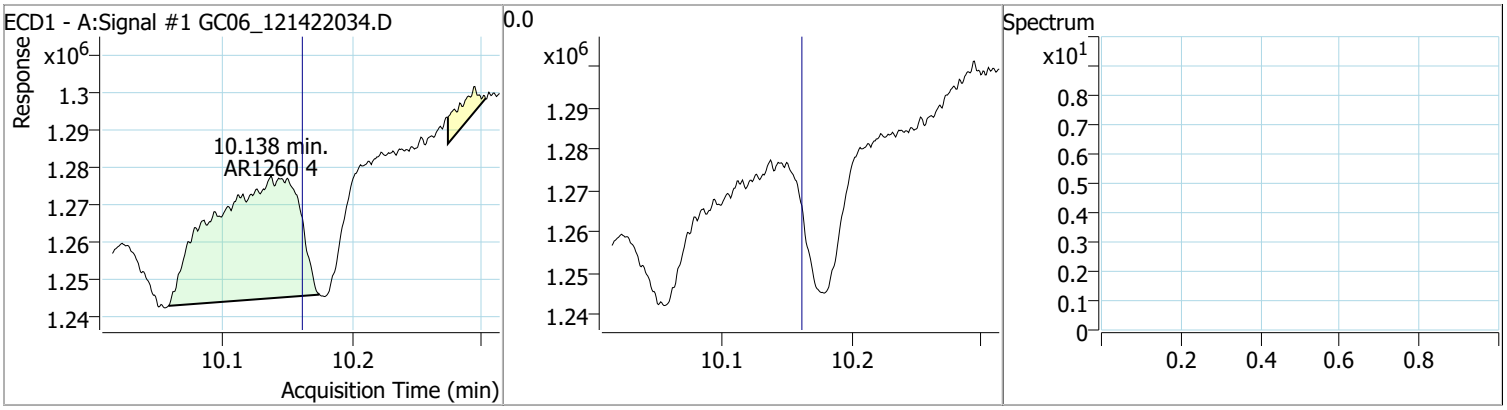
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	3.0202	9.78	0.09	15353				



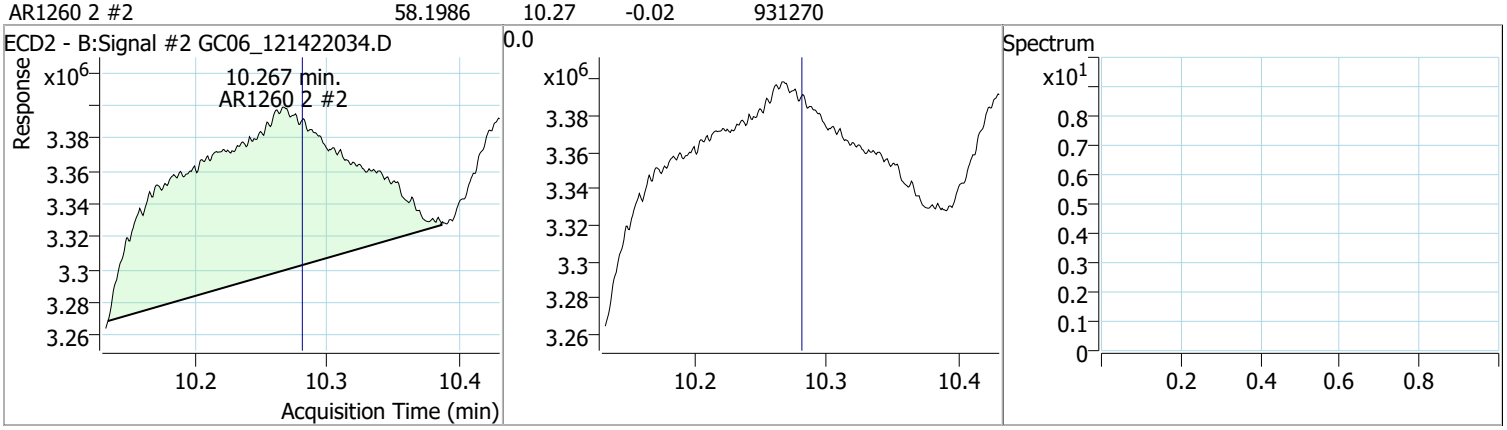
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	135.2503	10.01	-0.01	1801231				



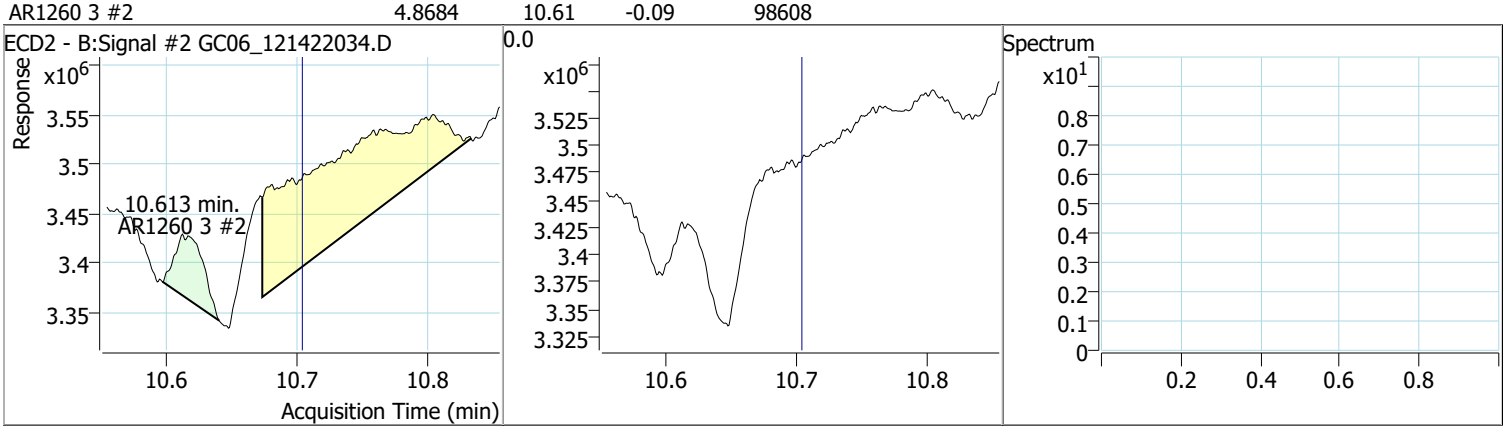
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	41.1936	10.14	-0.03	152064				



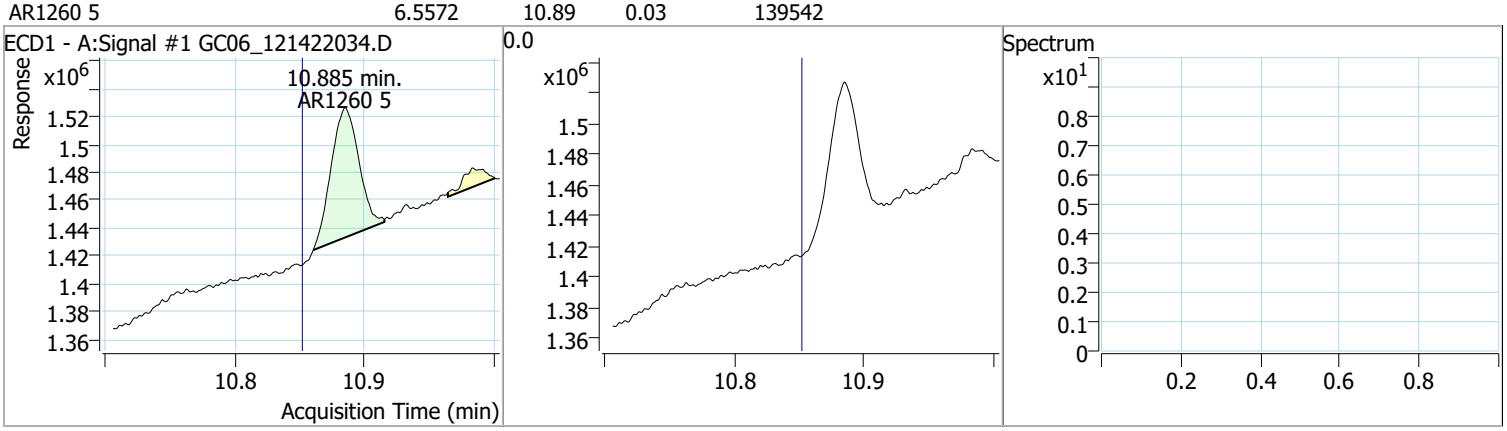
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	58.1986	10.27	-0.02	931270				



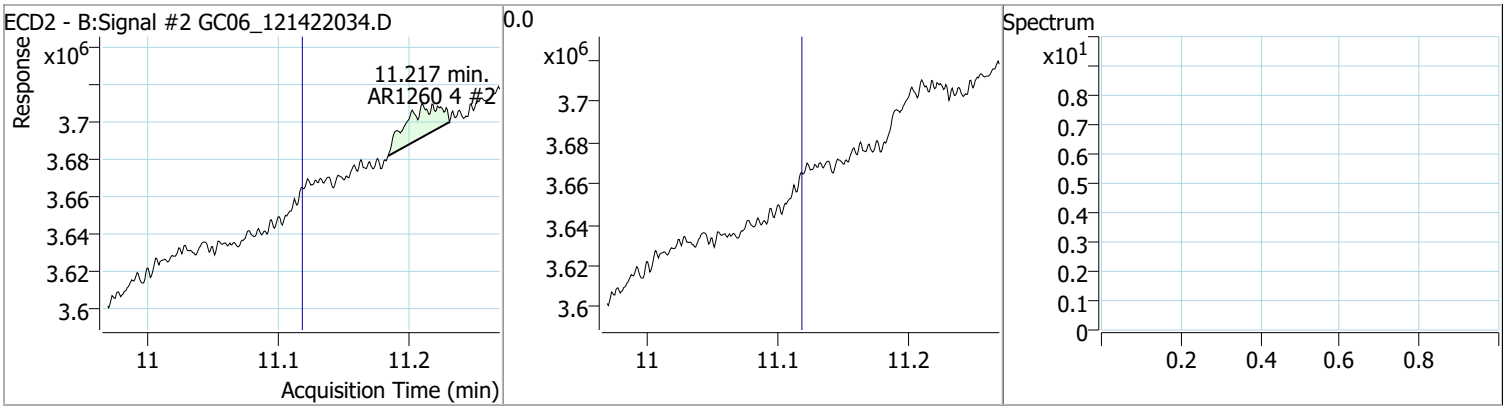
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	4.8684	10.61	-0.09	98608				



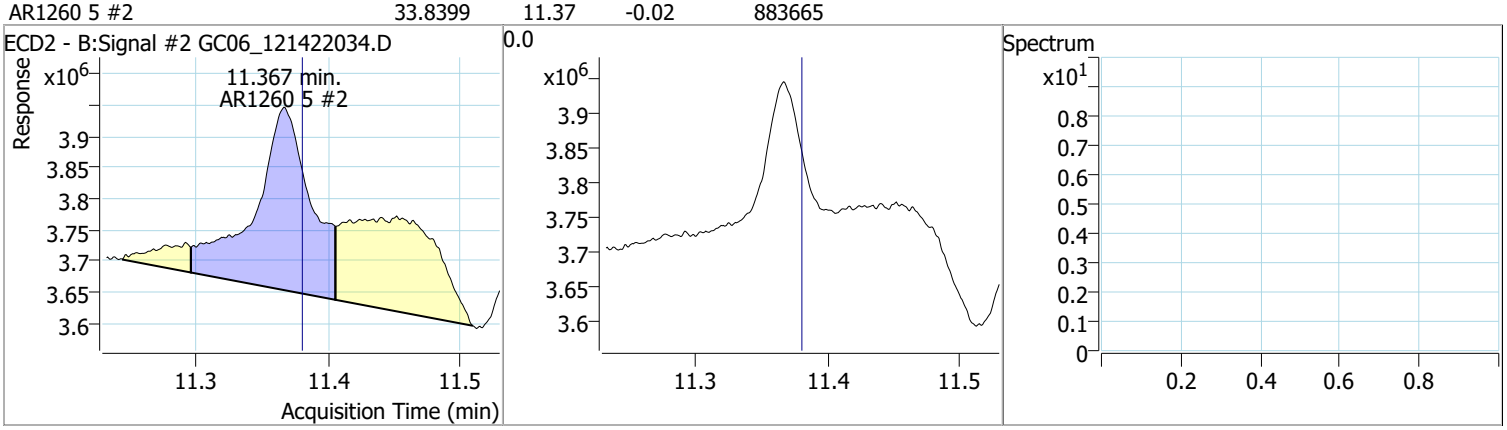
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	6.5572	10.89	0.03	139542				



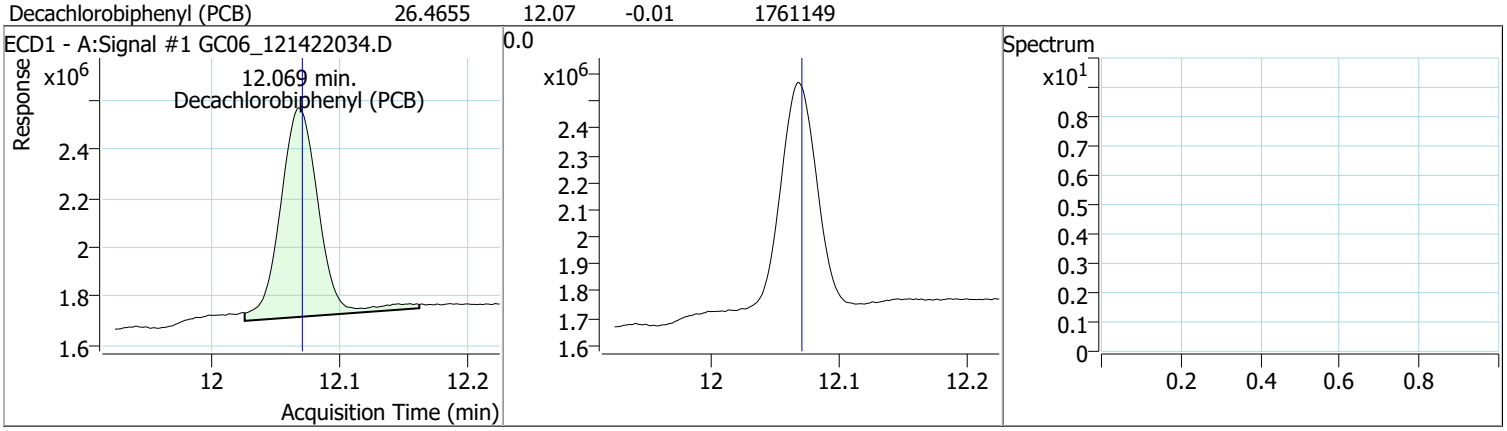
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.22	0.10	31016				



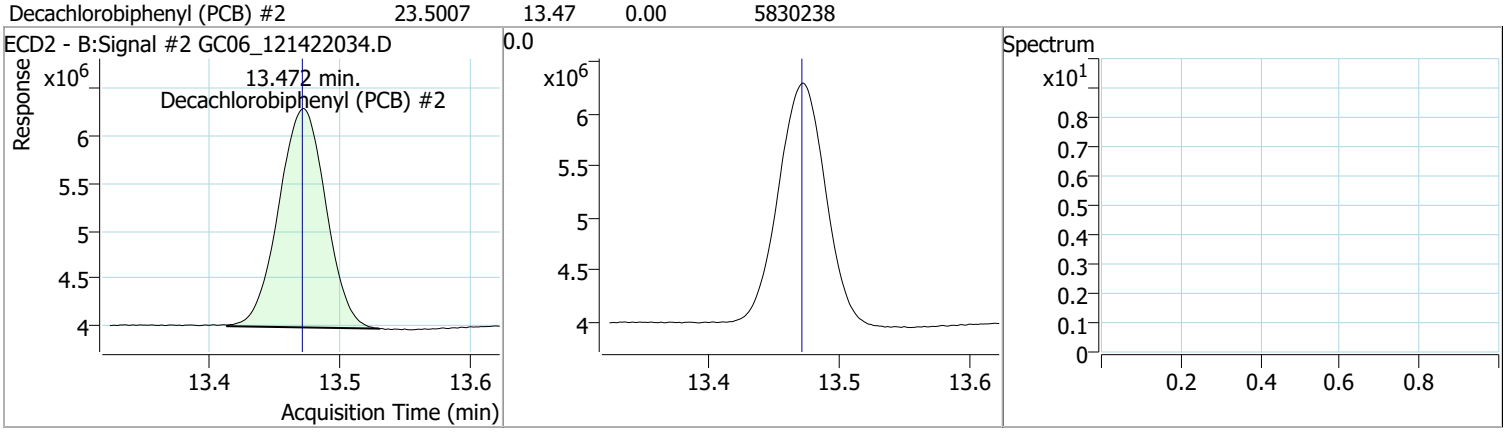
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	33.8399	11.37	-0.02	883665				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	26.4655	12.07	-0.01	1761149				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	23.5007	13.47	0.00	5830238				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 474716 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Lab ID:	QC1031896		
Seqnum:	452501809012.2	Matrix:	Wipe		
File:	gc06_121422012	Batch:	303181	Time:	14-DEC-2022 15:26
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	3.551	ND	ND	412%	0.50	u
Aroclor-1016 Peak # 1	B	5.887	0.12	0.06	58%		
Aroclor-1016 Peak # 2	B	10.09	0.20	ND	-5098%		
Aroclor-1016 Peak # 3	B	0.4345	0.01	0.00	65%		
Aroclor-1016 Peak # 4	B	0.1357	0.00	0.01	114%		
Aroclor-1016 Peak # 5	B	1.204	0.02	0.02	40%		
Aroclor-1221	B		ND			0.50	u
Aroclor-1232	B		ND			0.50	u
Aroclor-1242	B		ND			0.50	u
Aroclor-1248	B		ND			0.50	u
Aroclor-1254	B		ND			0.50	u
Aroclor-1260	B	-4.600	ND	ND	-25%	0.50	u
Aroclor-1260 Peak # 1	B	0.2983	0.01	0.00	54%		
Aroclor-1260 Peak # 2	B	12.10	0.24	ND			
Aroclor-1260 Peak # 3	B	1.133	0.02	0.06	89%		
Aroclor-1260 Peak # 4	B	-19.66	ND	ND	-139%		
Aroclor-1260 Peak # 5	B	-16.87	ND	ND	-3%		
Aroclor-1262	B		ND			0.50	u
Aroclor-1268	B		ND			0.50	u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	23.91	0.5000	0.4783	96	52-121	u
Decachlorobiphenyl (PCB)	B	22.07	0.5000	0.4414	88	60-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422004)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5307613	4972289	-6.32
1-bromo-2-nitrobenzene (PCB)	A	1103956	1022646	-7.37

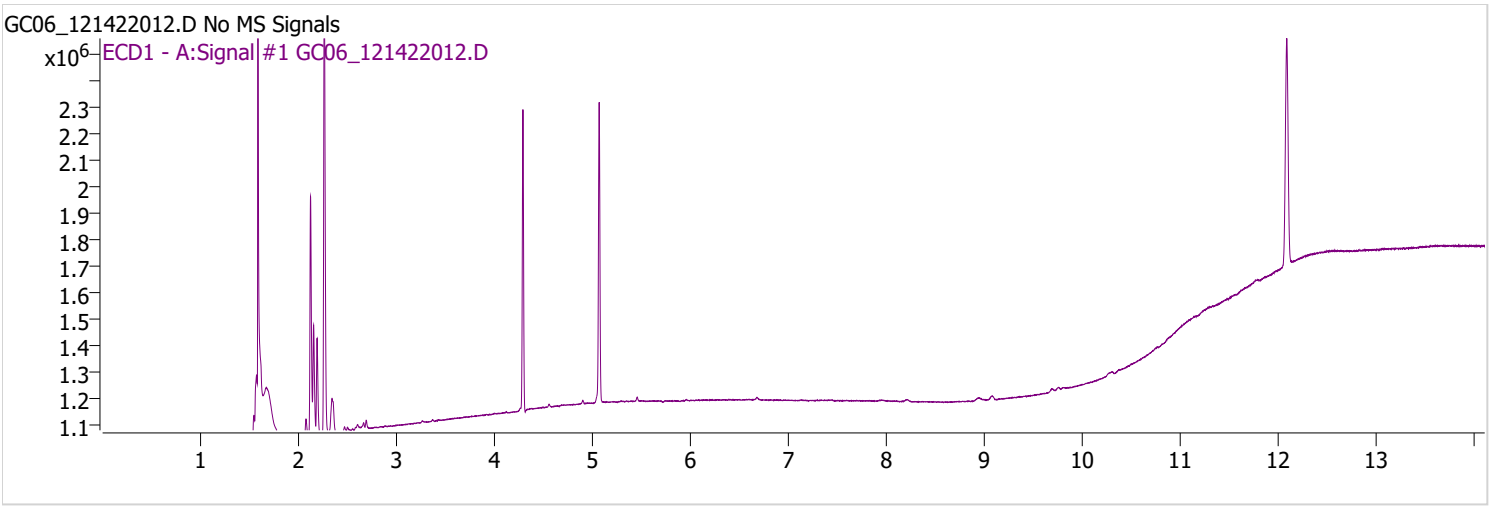
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

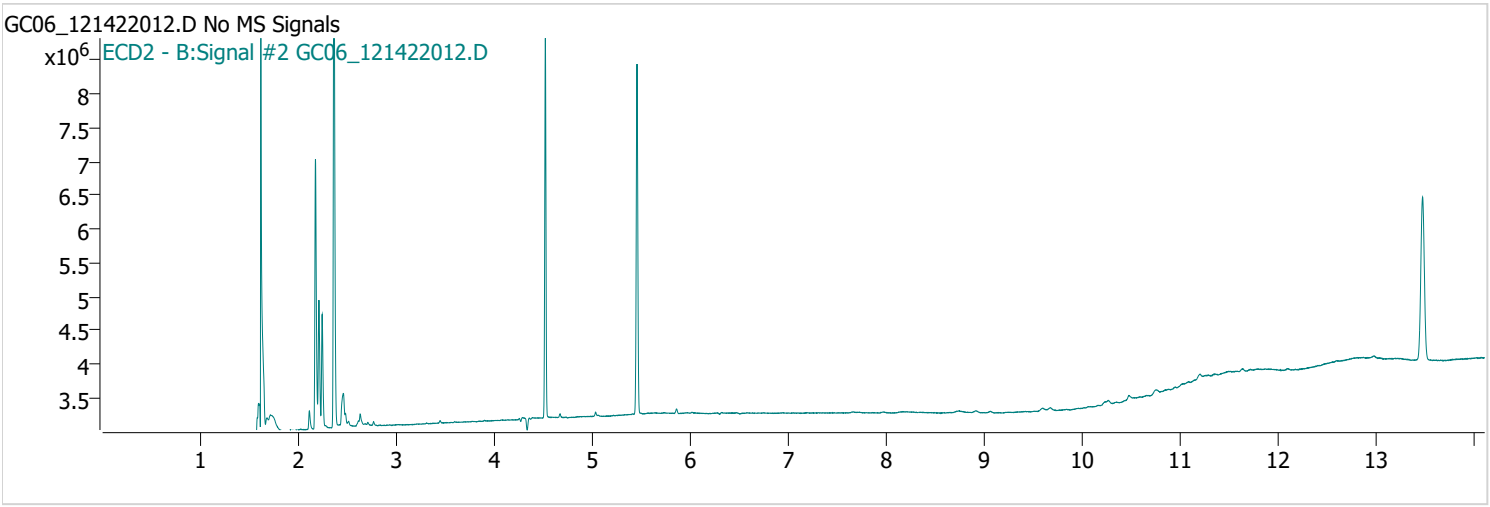
ISTD (CCV gc06_121422004)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

Analyst: TRN 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422012.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 3:26:35 PM
Sample Name	QC1031896, 303181, 1	Instrument	SVOA-GC06
Vial	1	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



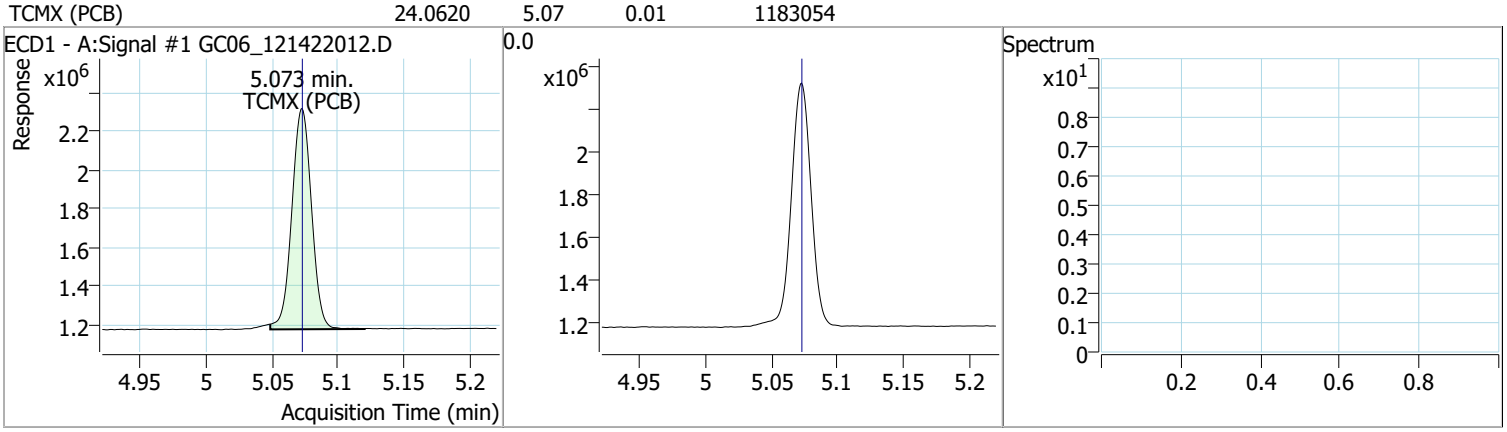


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.293	0.0	1022646.312	20.0000	ng/ml	0.007
M 1-bromo-2-nitrobenzene (PCB) #2	4.523	0.0	4972289.053	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.073	0.0	1183054.466	24.0620	ng/ml	0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 120.31%		
S TCMX (PCB) #2	5.458	0.0	5710459.048	23.9140	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 119.57%		
S Decachlorobiphenyl (PCB)	12.094	0.0	1672537.064	22.6623	ng/ml	0.016
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 113.31%		
S Decachlorobiphenyl (PCB) #2	13.482	0.0	6116400.872	22.0709	ng/ml	0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 110.35%		
Target Compounds						QValue

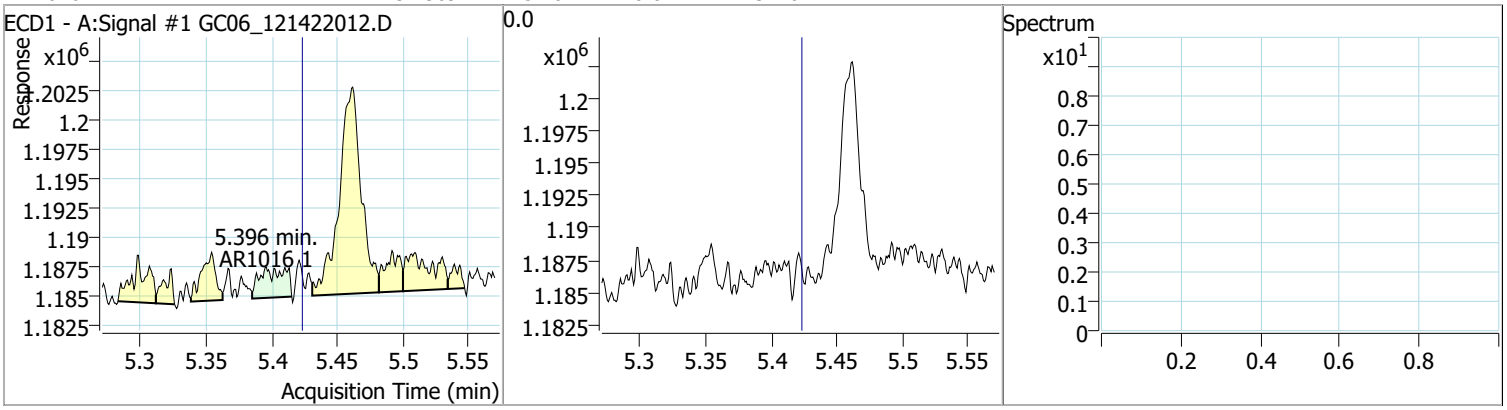
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.396	0.0	3470.464	3.2369	ng/ml	100
T AR1016 2	5.776	0.0	9535.542	0.0000	ng/ml	100
T AR1016 1 #2	5.968	0.0	30421.318	5.8867	ng/ml	100
T AR1016 3	6.240	0.0	600.158	0.2208	ng/ml	100
T AR1016 4	6.368	0.0	1024.587	0.4956	ng/ml	100
T AR1016 2 #2	6.402	0.0	75285.341	10.0919	ng/ml	100
T AR1016 5	6.577	0.0	1342.928	0.8064	ng/ml	100
T AR1016 3 #2	6.968	0.0	5889.713	0.4345	ng/ml	100
T AR1016 4 #2	7.166	0.0	1312.813	0.1357	ng/ml	100
T AR1016 5 #2	7.311	0.0	9473.072	1.2043	ng/ml	100
T AR1260 1	8.748	0.0	595.286	0.1722	ng/ml	100
T AR1260 2	0.000		0	N.D.		
T AR1260 3	9.703	0.0	16246.326	2.9494	ng/ml	100
T AR1260 1 #2	10.023	0.0	4413.546	0.2983	ng/ml	100
T AR1260 4	10.316	0.0	34689.957	0.0000	ng/ml	100
T AR1260 2 #2	10.271	0.0	215178.476	12.1026	ng/ml	100
T AR1260 3 #2	10.663	0.0	25496.380	1.1329	ng/ml	100
T AR1260 5	10.778	0.0	3956.138	0.0000	ng/ml	100
T AR1260 4 #2	11.090	0.0	49300.126	0.0000	ng/ml	100
T AR1260 5 #2	11.361	0.0	33548.467	0.0000	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

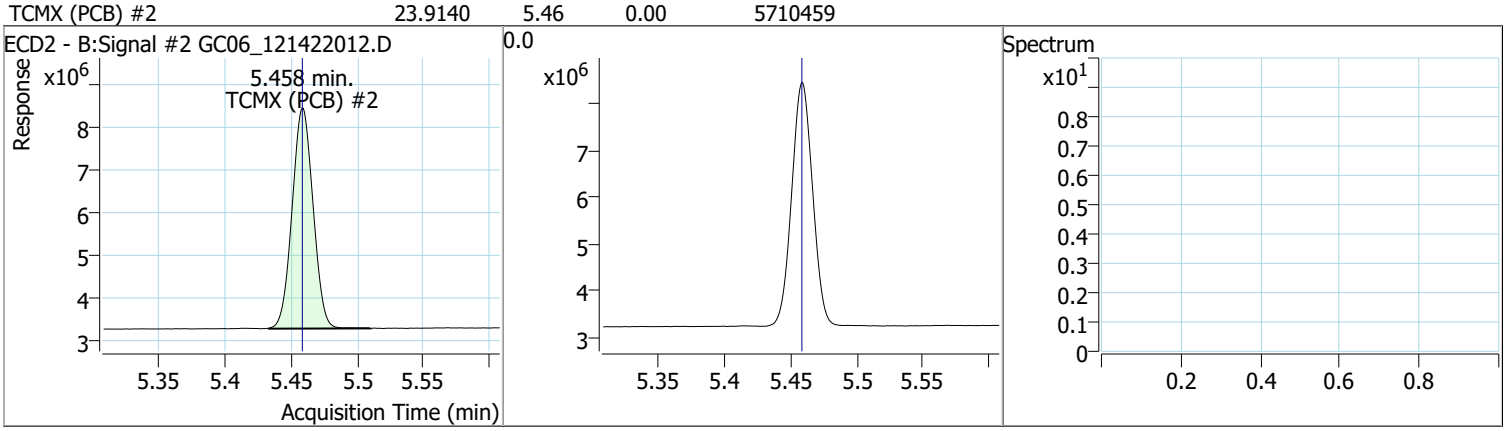
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	24.0620	5.07	0.01	1183054				



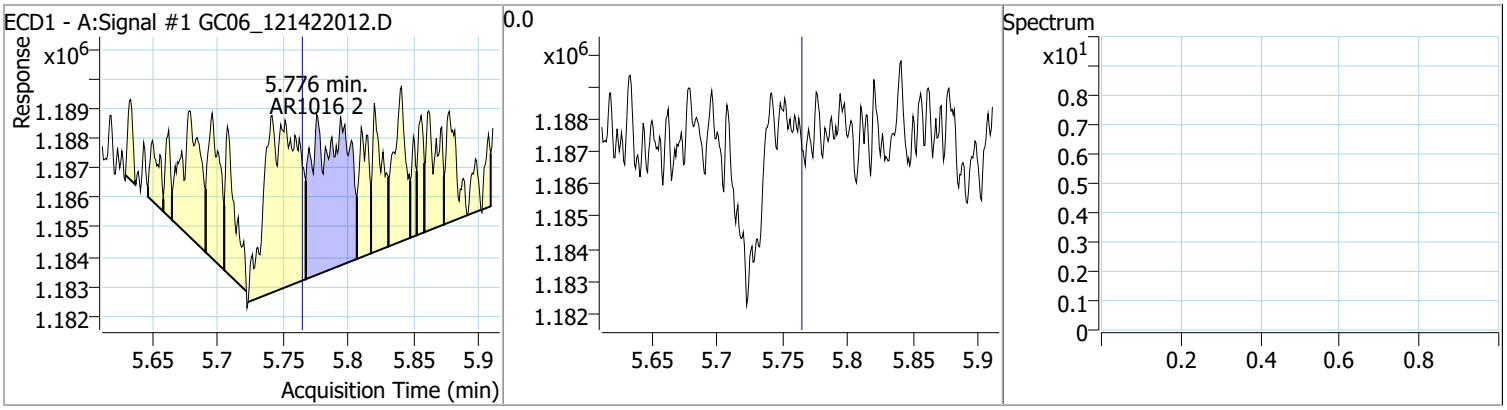
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	3.2369	5.40	-0.02	3470				



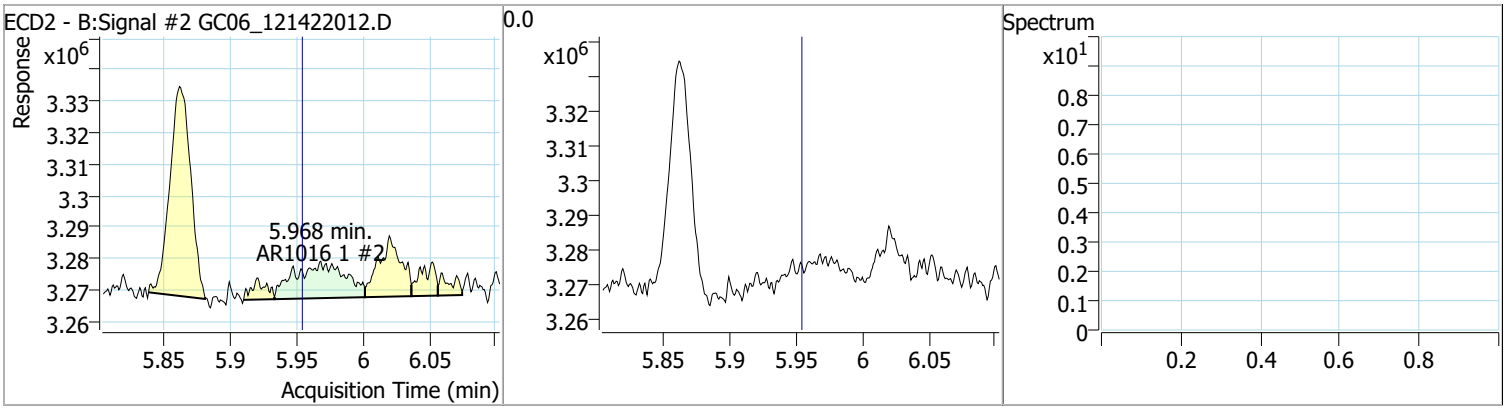
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	23.9140	5.46	0.00	5710459				



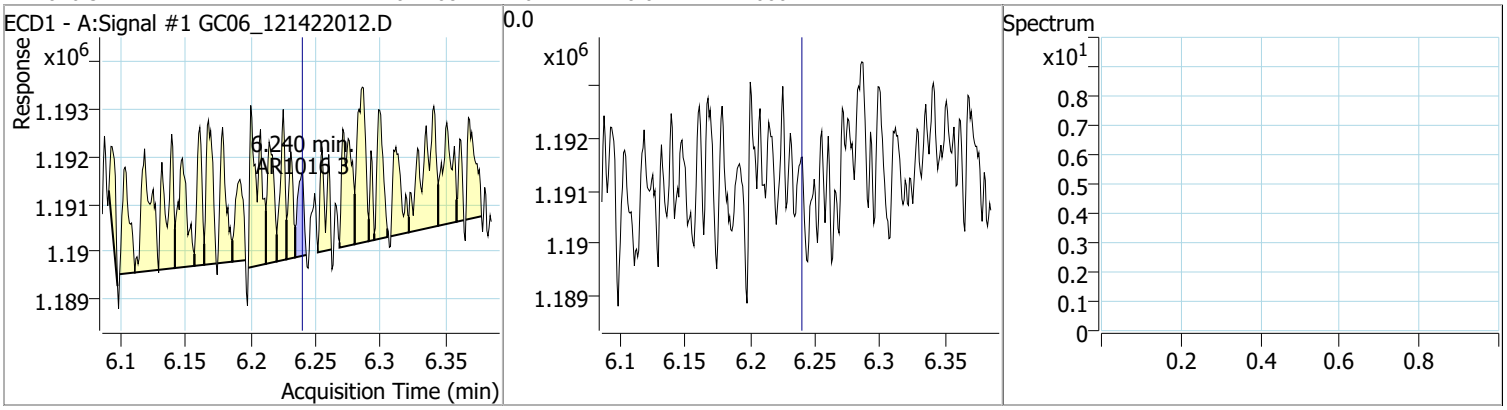
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.78	0.02	9536				



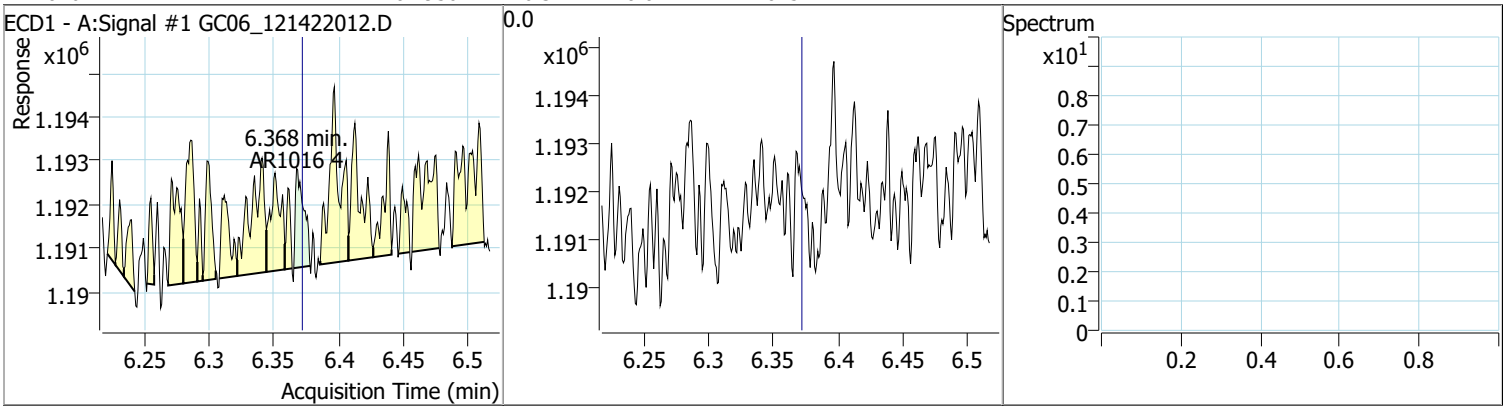
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	5.8867	5.97	0.01	30421				



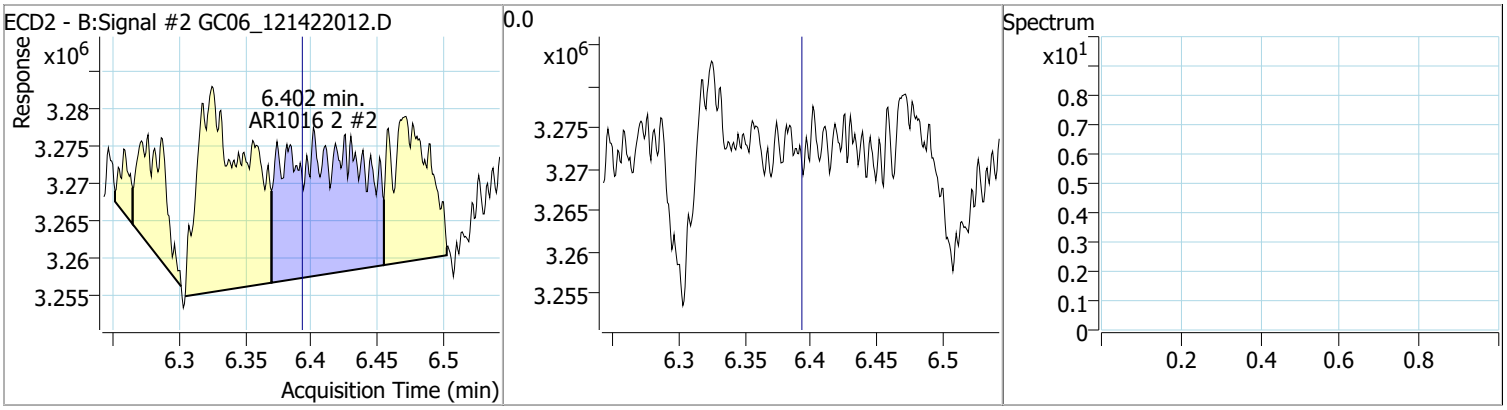
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	0.2208	6.24	0.01	600				



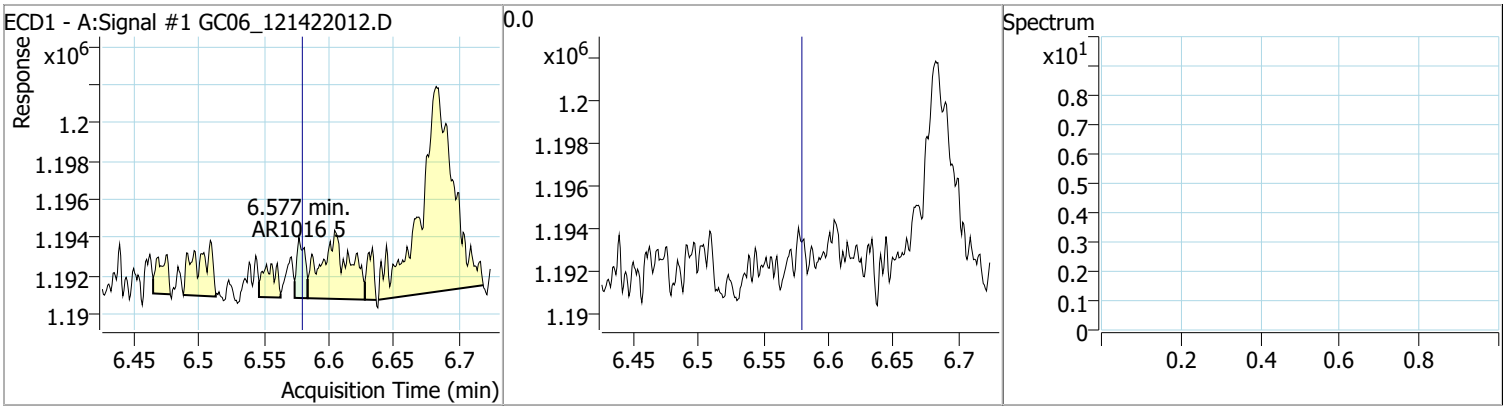
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.4956	6.37	0.01	1025				



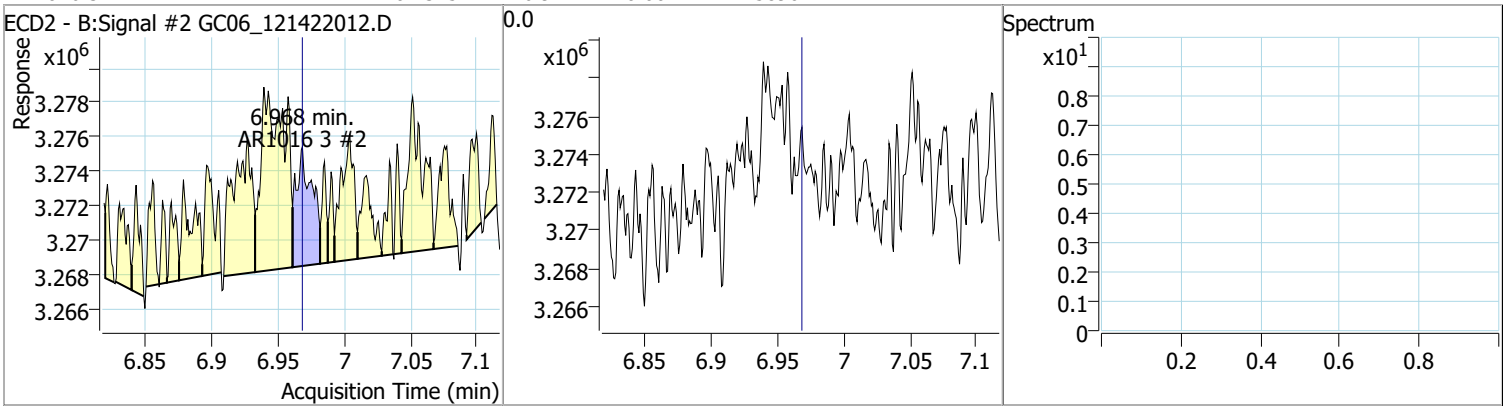
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	10.0919	6.40	0.01	75285				



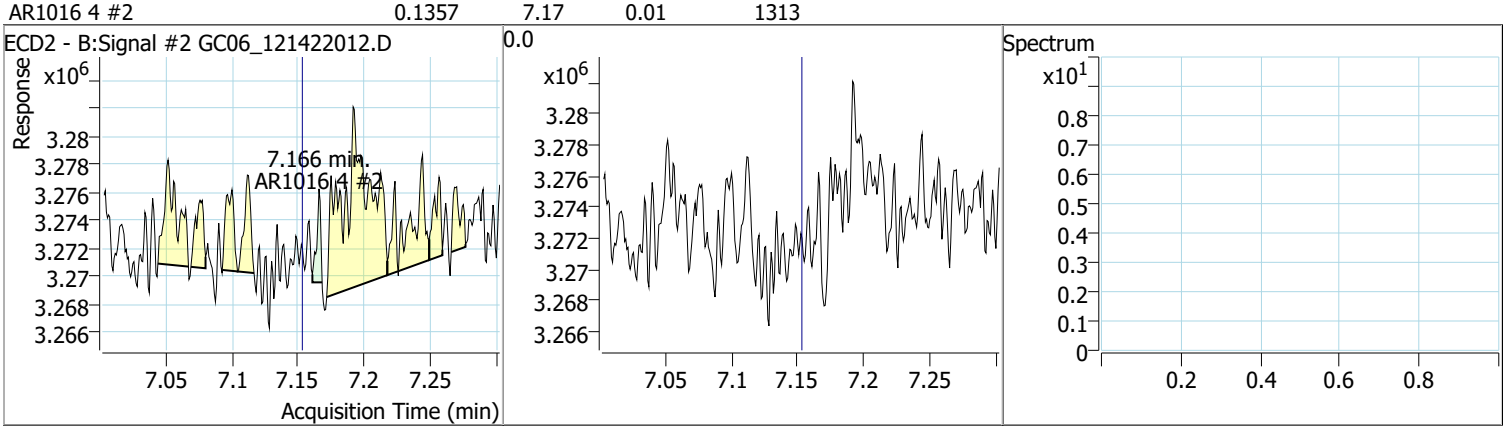
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	0.8064	6.58	0.01	1343				



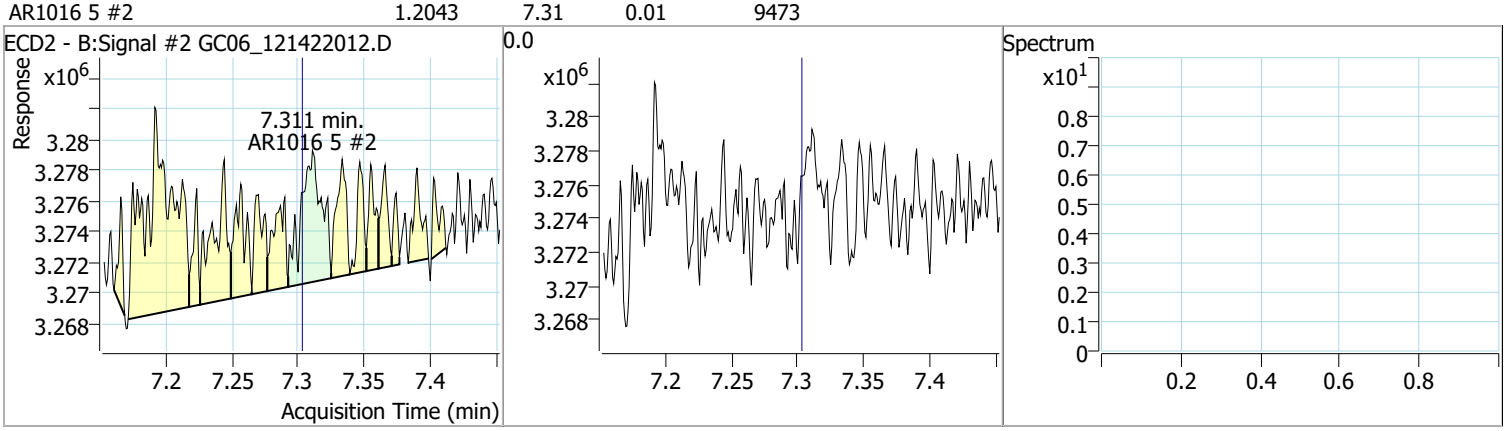
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	0.4345	6.97	0.00	5890				



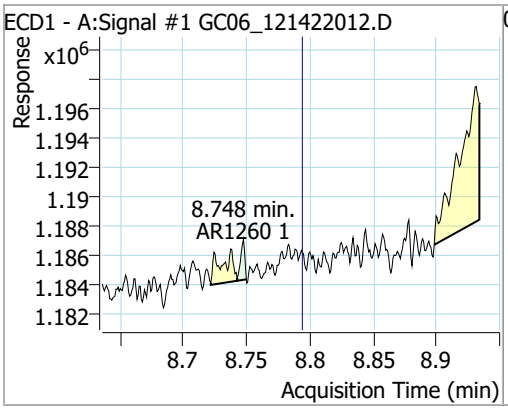
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.1357	7.17	0.01	1313				

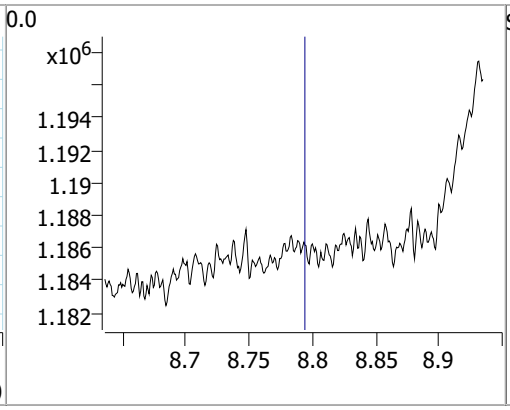


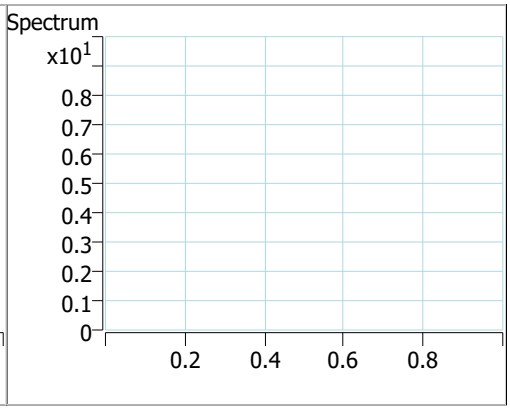
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.2043	7.31	0.01	9473				



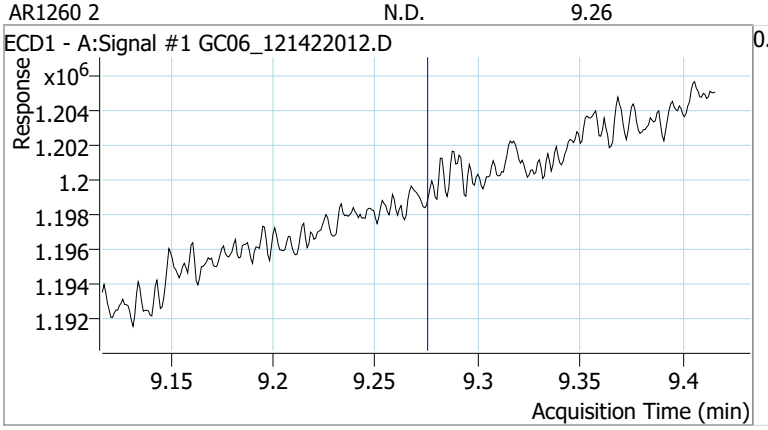
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	0.1722	8.75	-0.03	595				

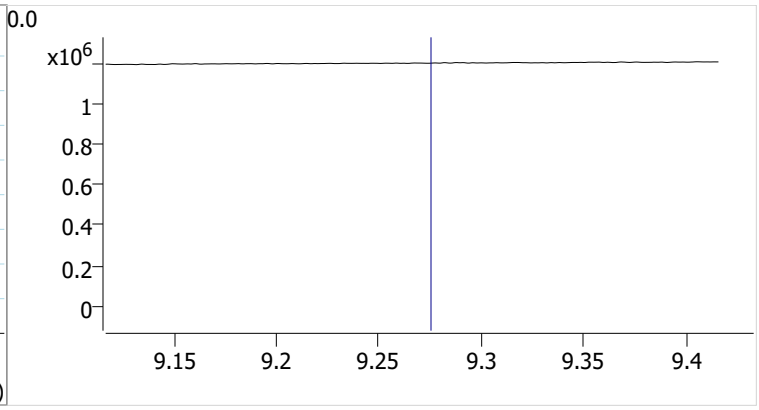




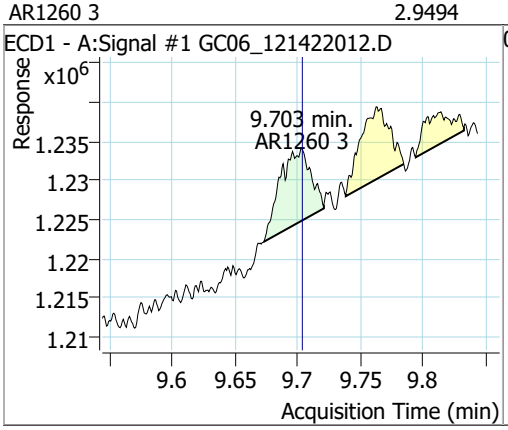


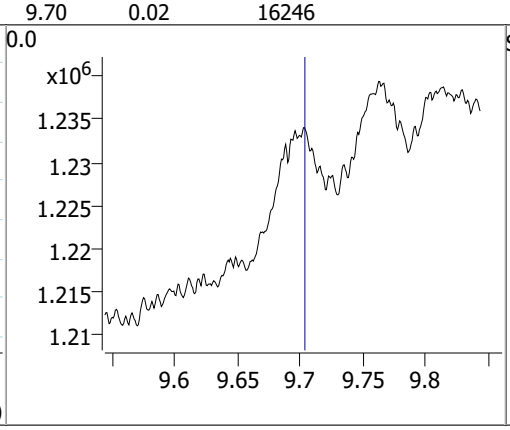
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 2	N.D.	9.26		

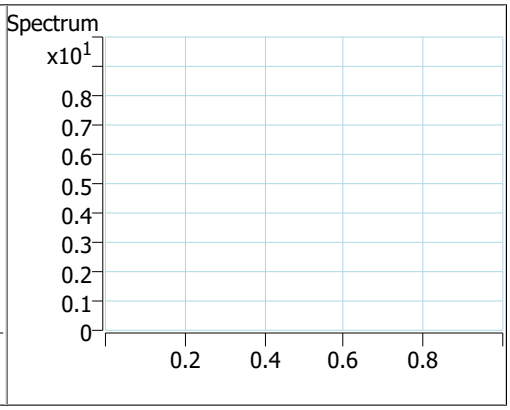




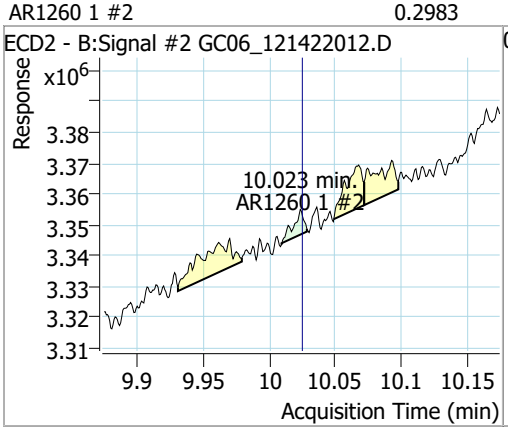
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	2.9494	9.70	0.02	16246				

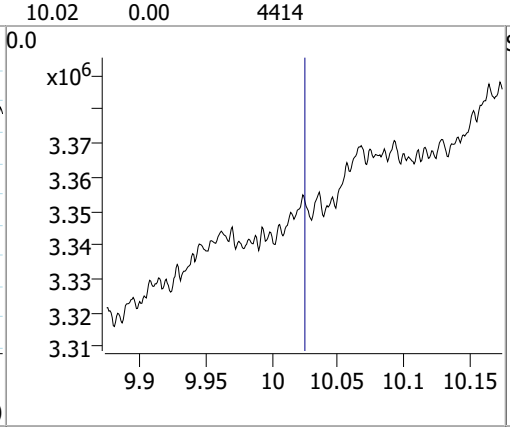


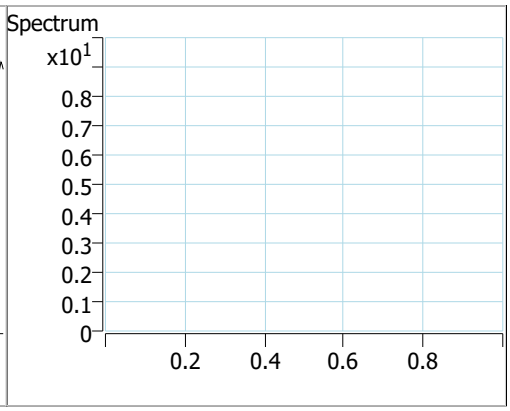




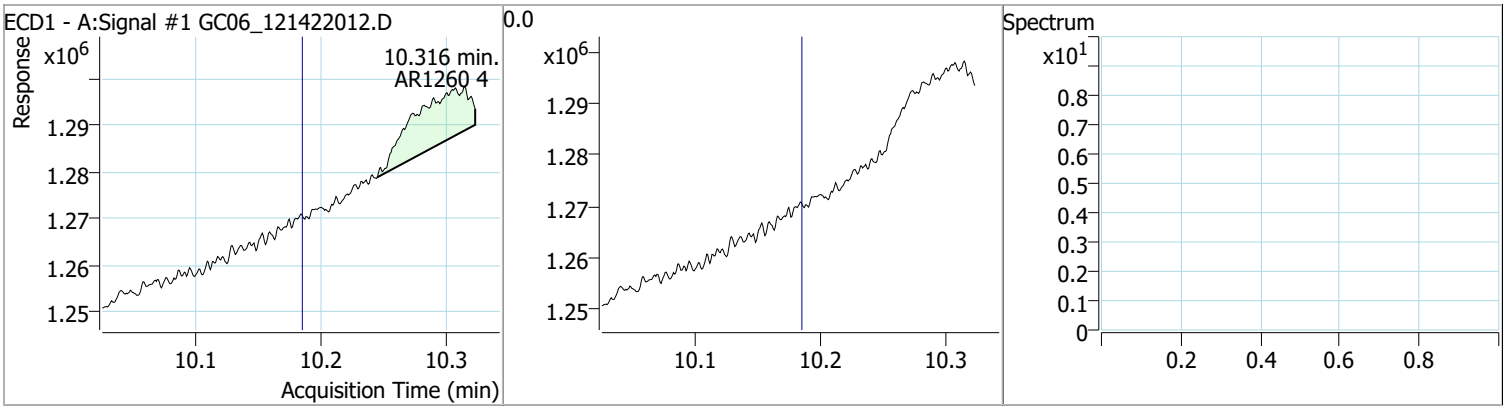
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.2983	10.02	0.00	4414				



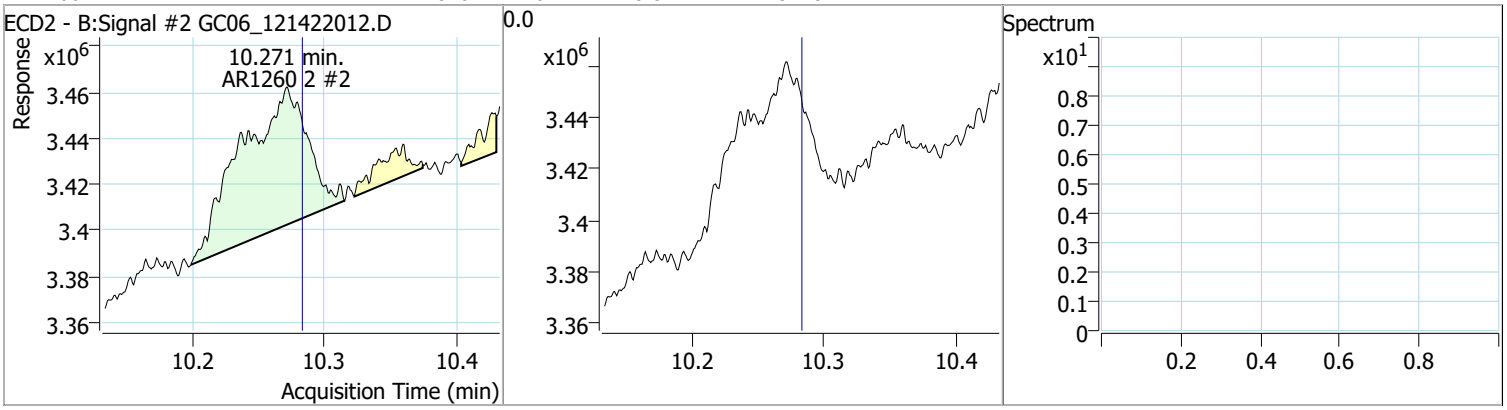




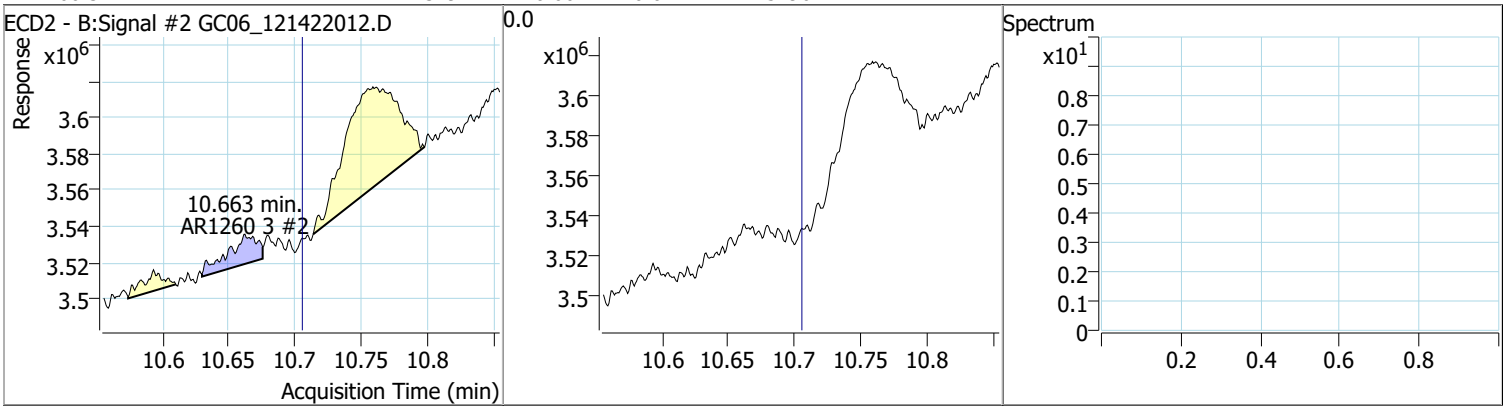
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	0.0000	10.32	0.15	34690				



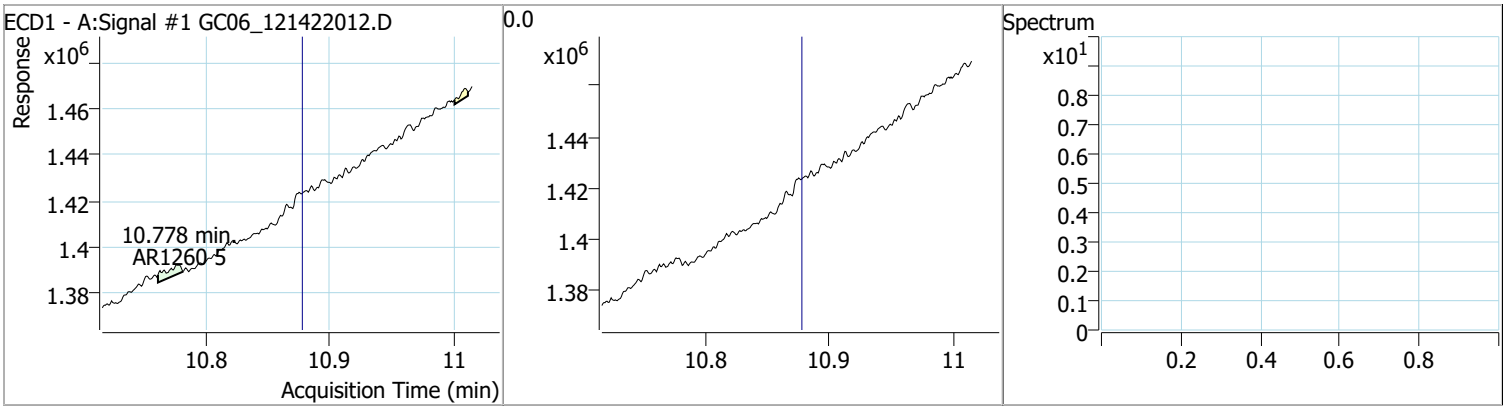
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	12.1026	10.27	-0.01	215178				



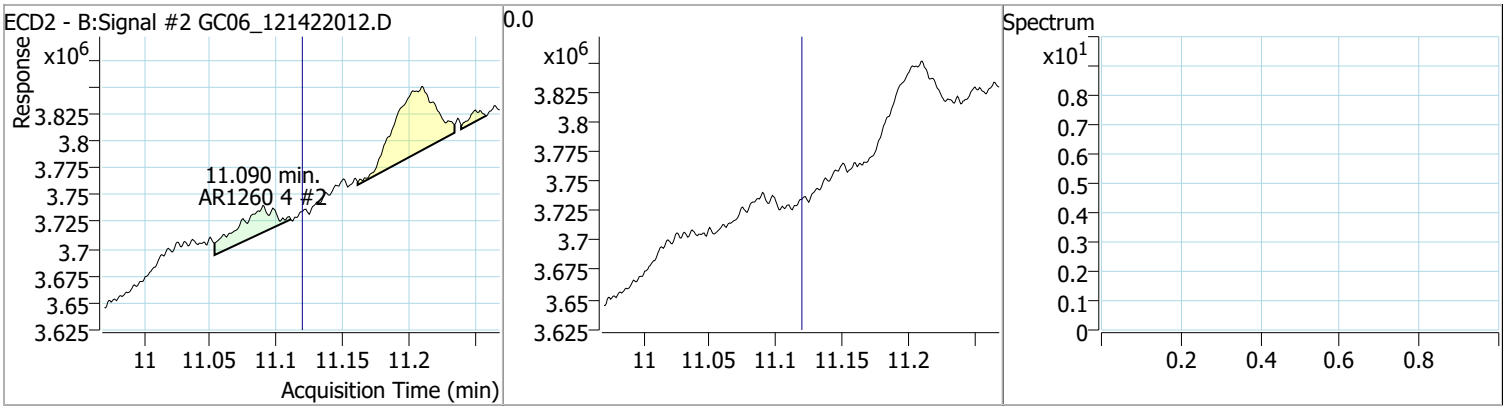
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1.1329	10.66	-0.04	25496				



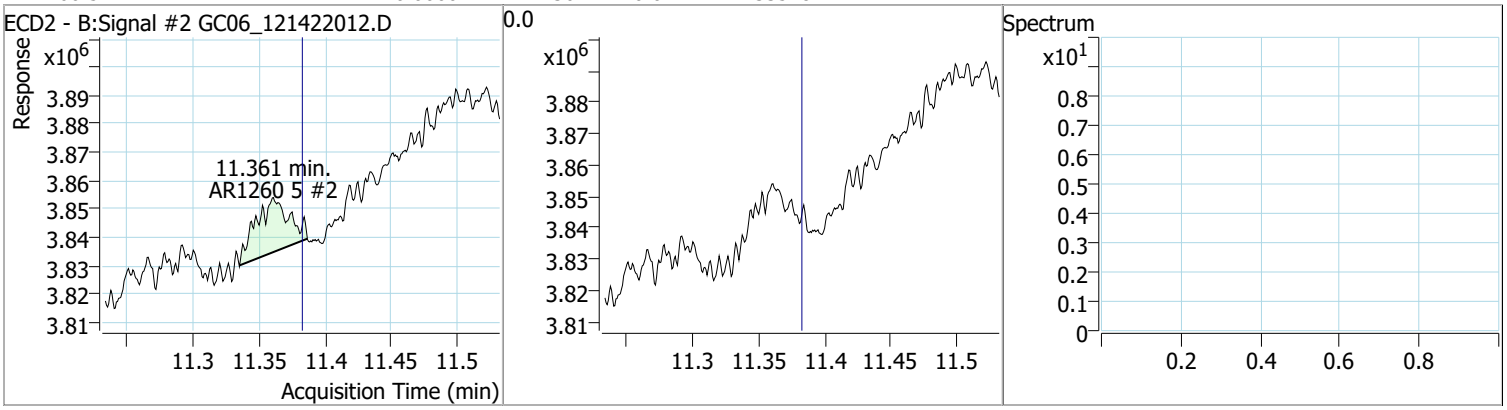
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	0.0000	10.78	-0.08	3956				



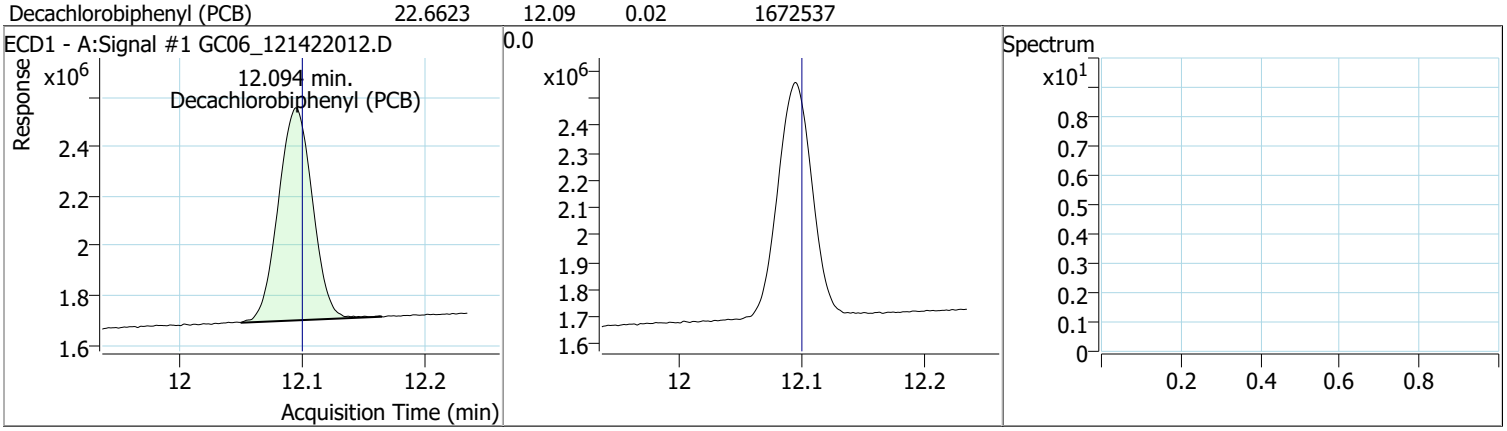
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.09	-0.03	49300				



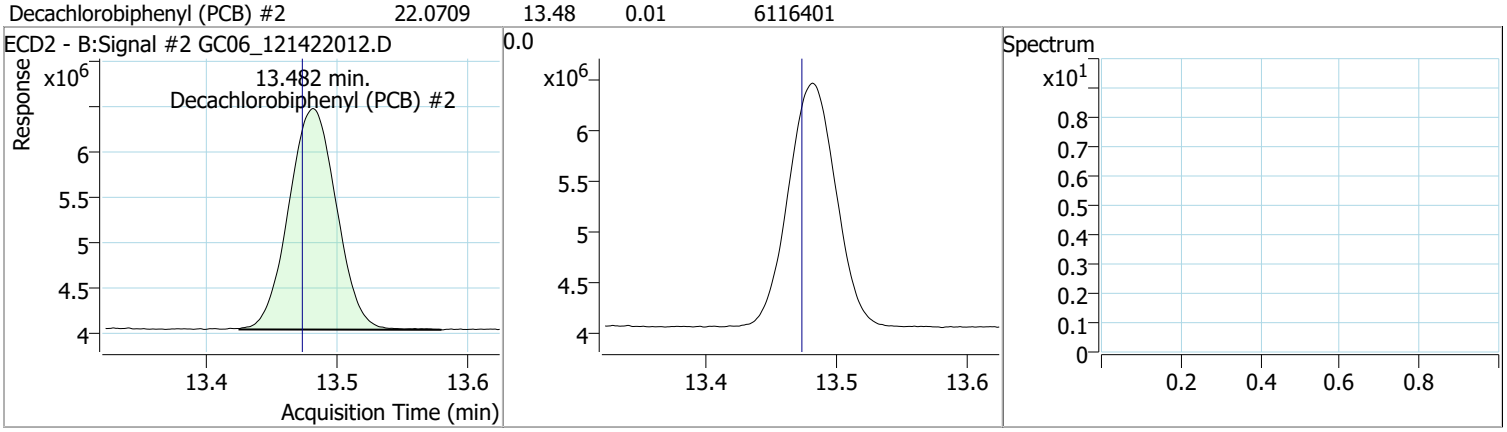
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	0.0000	11.36	-0.02	33548				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	22.6623	12.09	0.02	1672537				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	22.0709	13.48	0.01	6116401				



ENTHALPY BLANK USER REPORT FOR 474716 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Lab ID:	QC1031899		
Seqnum:	452501809041.3	Matrix:	Wipe		
File:	gc06_121422041	Batch:	303182	Time:	15-DEC-2022 00:18
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	42.70	~~0.43~~ ~~FP~~	0.63	38%	0.25	x u
Aroclor-1016 Peak # 1	B	7.797	0.08	0.03	78%		
Aroclor-1016 Peak # 2	B	10.10	0.10	ND	2571%		
Aroclor-1016 Peak # 3	B	185.7	1.86	0.04	191%		
Aroclor-1016 Peak # 4	B	4.712	0.05	0.01	116%		
Aroclor-1016 Peak # 5	B	5.259	0.05	3.13	193%		
Aroclor-1221	B		ND			**0.41**	y u
Aroclor-1232	B		ND			0.25	u
Aroclor-1242	B		ND			0.25	u
Aroclor-1248	B		ND			0.25	u
Aroclor-1254	B		ND			0.25	u
Aroclor-1260	B	4.365	ND	0.29	148%	0.25	u
Aroclor-1260 Peak # 1	B	21.53	0.22	0.58	91%		
Aroclor-1260 Peak # 2	B	9.932	0.10	0.00	197%		
Aroclor-1260 Peak # 3	B	5.293	0.05	0.12	77%		
Aroclor-1260 Peak # 4	B	-22.34	ND	0.66	406%		
Aroclor-1260 Peak # 5	B	7.408	0.07	0.12	46%		
Aroclor-1262	B		ND			0.25	u
Aroclor-1268	B		ND			**0.46**	y u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	40.54	0.5000	0.4054	81	52-121	u
Decachlorobiphenyl (PCB)	B	34.16	0.5000	0.3416	68	60-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_121422036)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5560467	6052909	8.86
1-bromo-2-nitrobenzene (PCB)	A	1170615	1261934	7.80

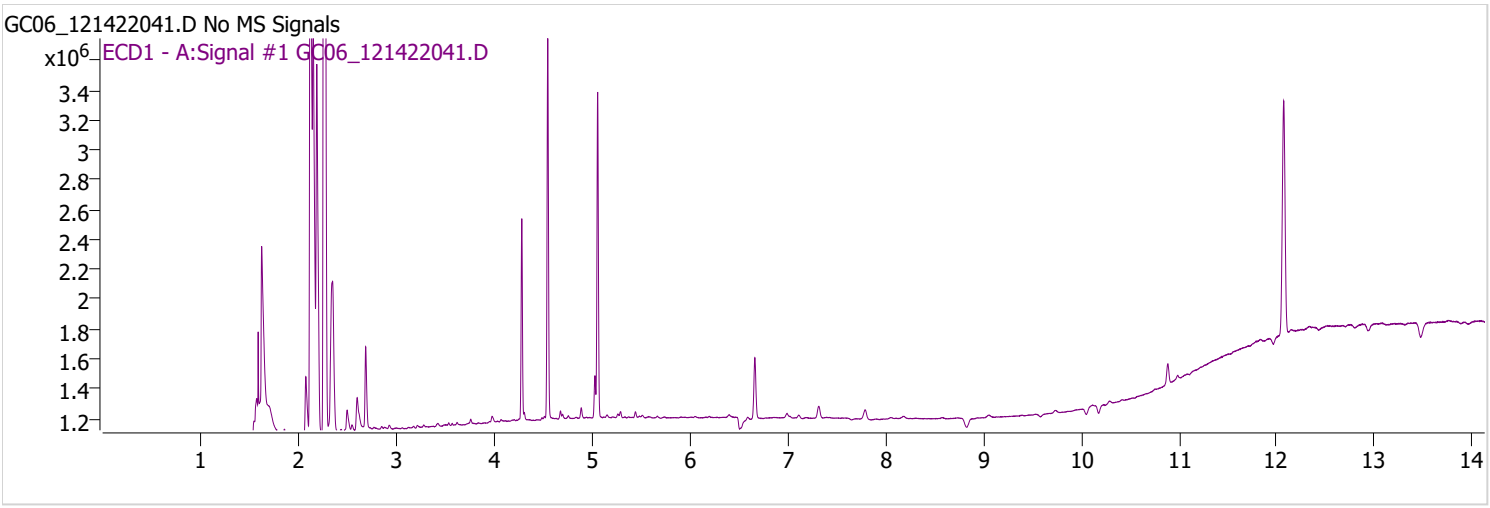
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

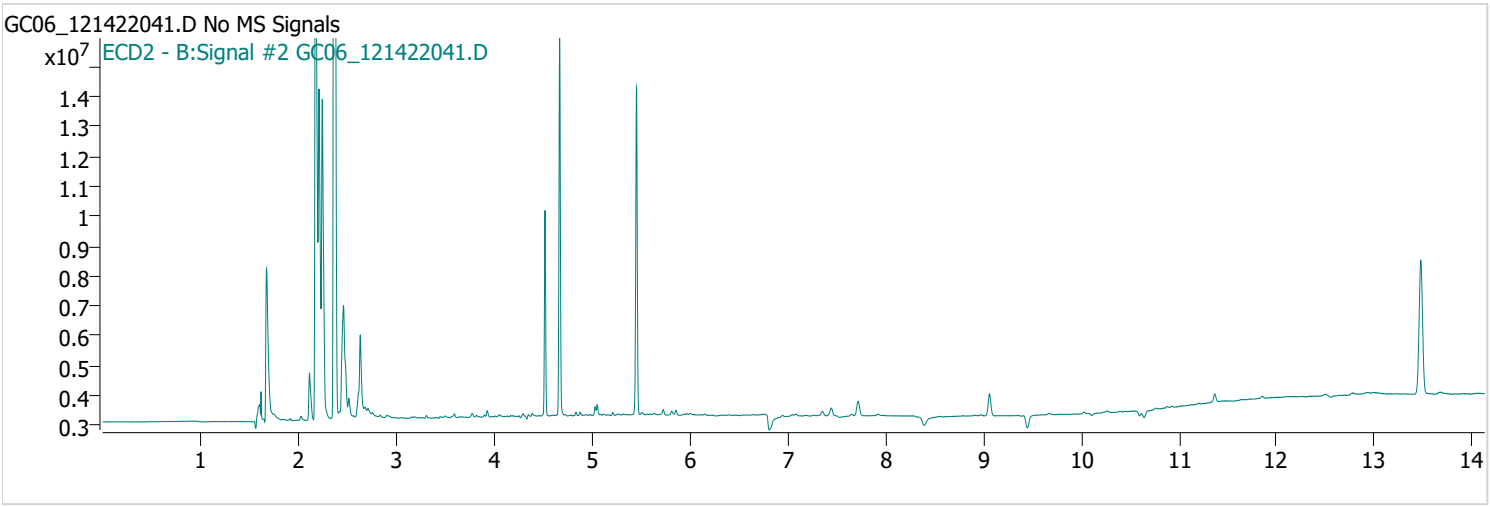
ISTD (CCV gc06_121422036)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

Analyst: TRN 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422041.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 12:18:10 AM
Sample Name	QC1031899, 303182, 1	Instrument	SVOA-GC06
Vial	24	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



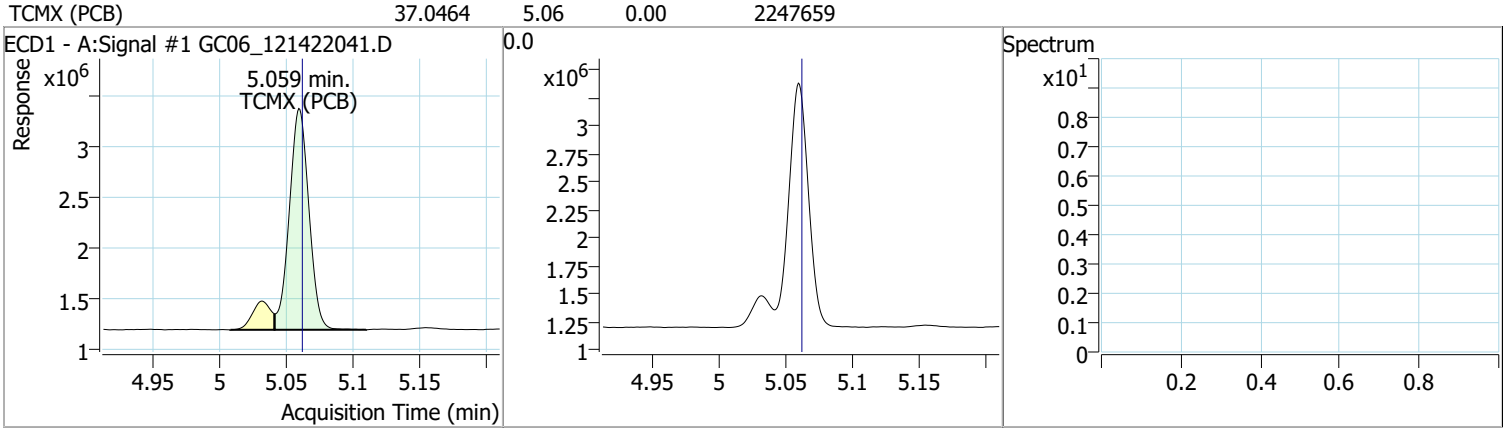


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	1261934.203	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	6052908.818	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.059	0.0	2247659.258	37.0464	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 185.23%		*	
S TCMX (PCB) #2	5.457	0.0	11784594.068	40.5403	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 202.70%		*	
S Decachlorobiphenyl (PCB)	12.071	0.0	3249283.193	38.1607	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 190.80%		*	
S Decachlorobiphenyl (PCB) #2	13.472	0.0	11167814.484	34.1607	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 170.80%		*	
Target Compounds							QValue

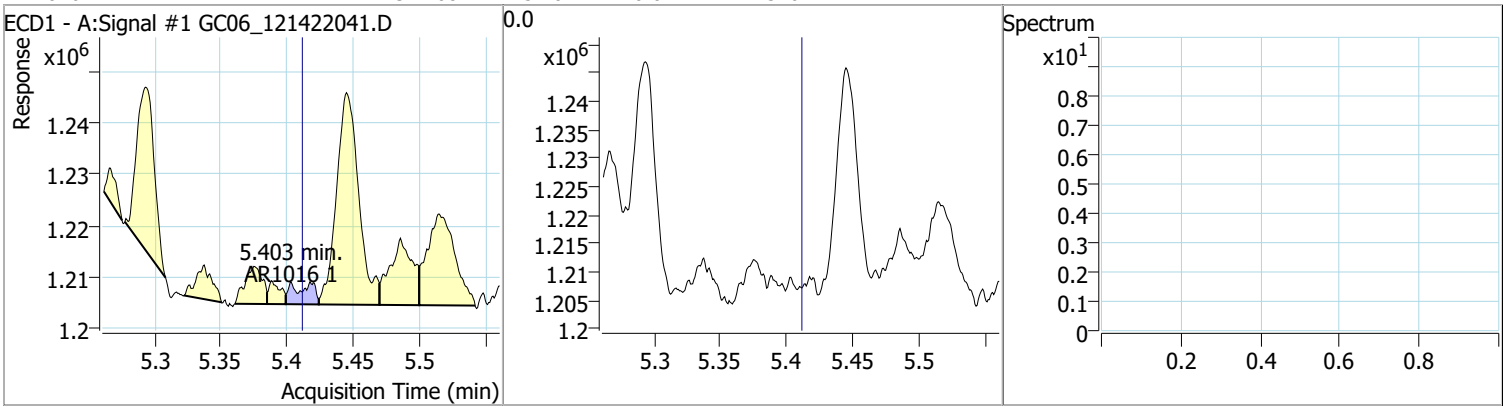
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.403	0.0	4525.871	3.4208	ng/ml	100
T AR1016 2	5.743	0.0	17760.513	0.0000	ng/ml	100
T AR1016 1 #2	5.938	0.0	49054.098	7.7976	ng/ml	100
T AR1016 3	6.202	0.0	15051.100	4.4869	ng/ml	100
T AR1016 4	6.348	0.0	3192.254	1.2512	ng/ml	100
T AR1016 2 #2	6.403	0.0	91677.509	10.0953	ng/ml	100
T AR1016 5	6.666	0.0	642624.652	312.7219	ng/ml	100
T AR1016 3 #2	7.088	0.0	3063533.983	185.6613	ng/ml	100
T AR1016 4 #2	7.184	0.0	55513.769	4.7126	ng/ml	100
T AR1016 5 #2	7.273	0.0	50361.655	5.2595	ng/ml	100
T AR1260 1	8.740	0.0	245457.756	57.5297	ng/ml	100
T AR1260 2	9.243	0.0	440.805	0.0678	ng/ml	100
T AR1260 3	9.740	0.0	80865.498	11.8970	ng/ml	100
T AR1260 1 #2	10.029	0.0	387889.266	21.5334	ng/ml	100
T AR1260 4	10.116	0.0	291668.031	65.8023	ng/ml	100
T AR1260 2 #2	10.263	0.0	214973.925	9.9325	ng/ml	100
T AR1260 3 #2	10.616	0.0	144999.390	5.2927	ng/ml	100
T AR1260 5	10.887	0.0	226547.223	11.8393	ng/ml	100
T AR1260 4 #2	11.123	0.0	19742.237	0.0000	ng/ml	100
T AR1260 5 #2	11.367	0.0	593597.601	7.4143	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

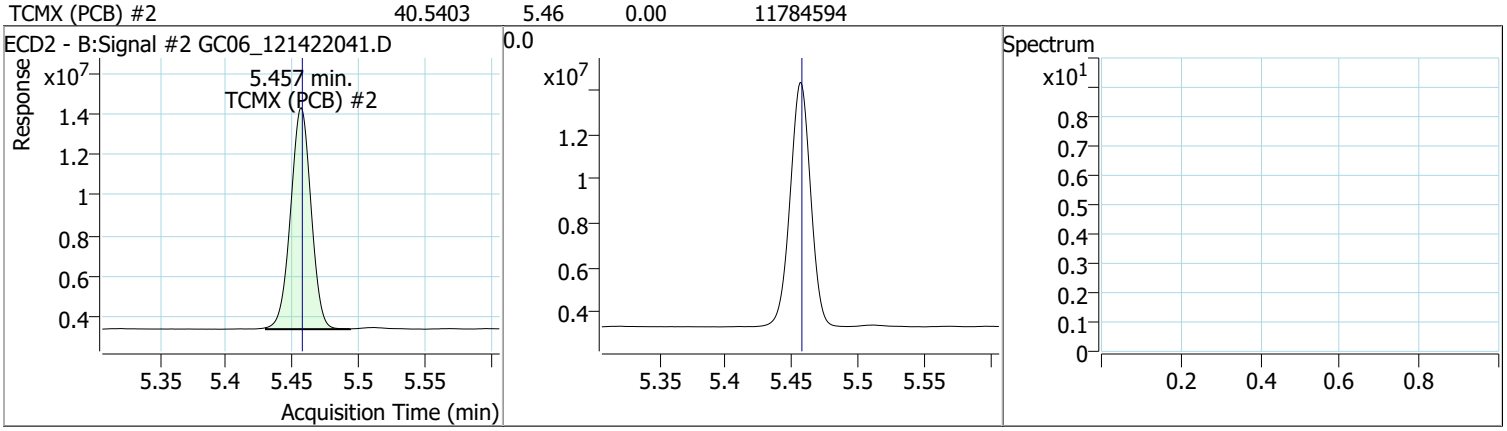
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.0464	5.06	0.00	2247659				



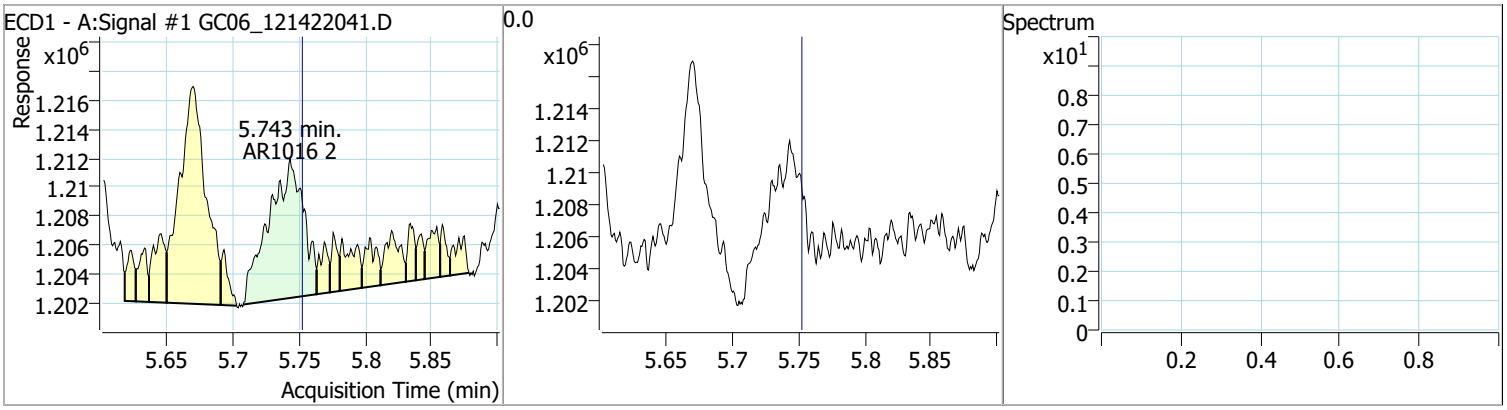
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	3.4208	5.40	-0.01	4526				



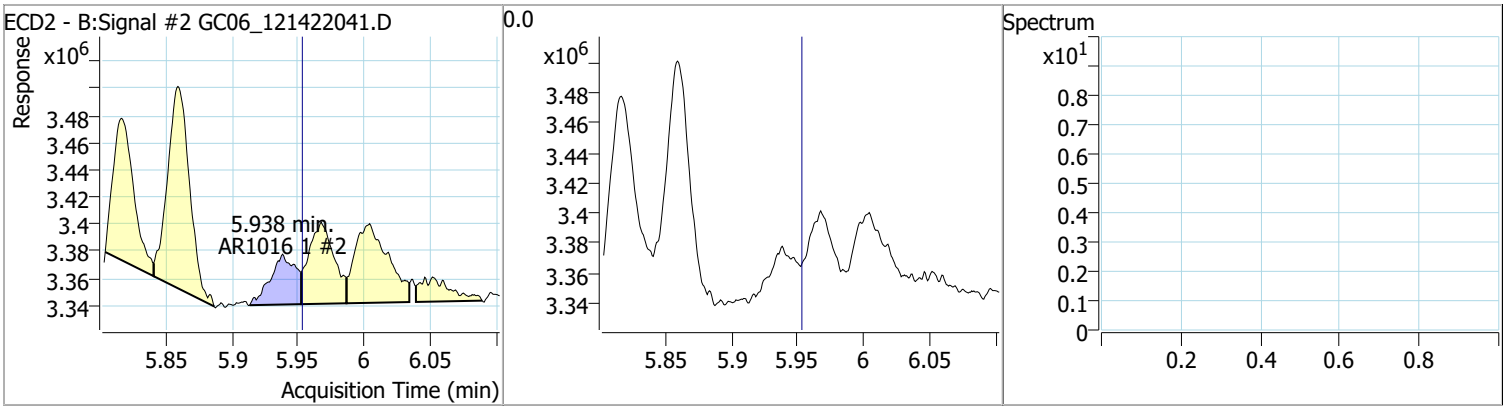
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	40.5403	5.46	0.00	11784594				



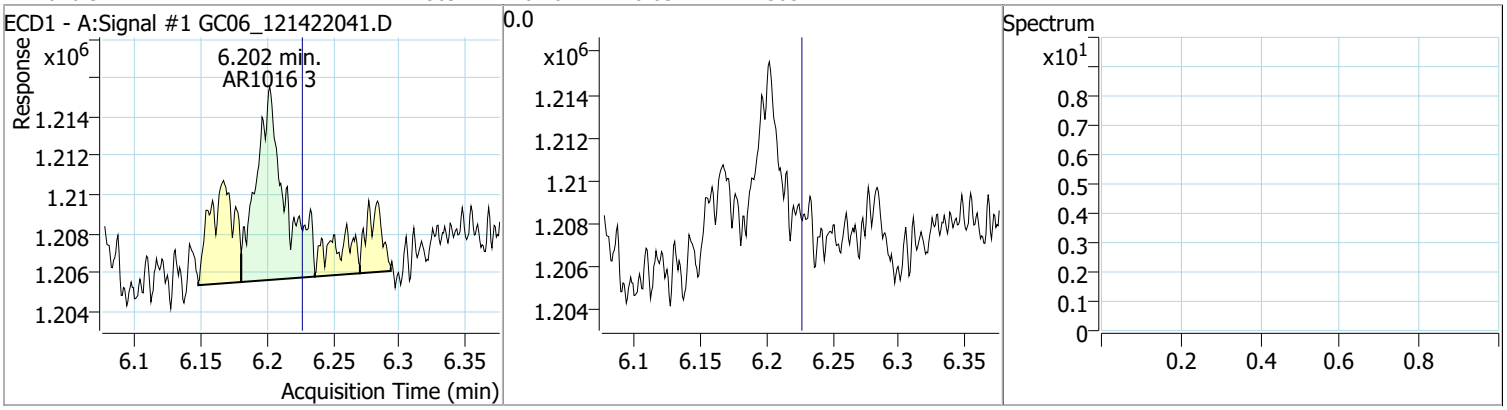
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.74	-0.01	17761				



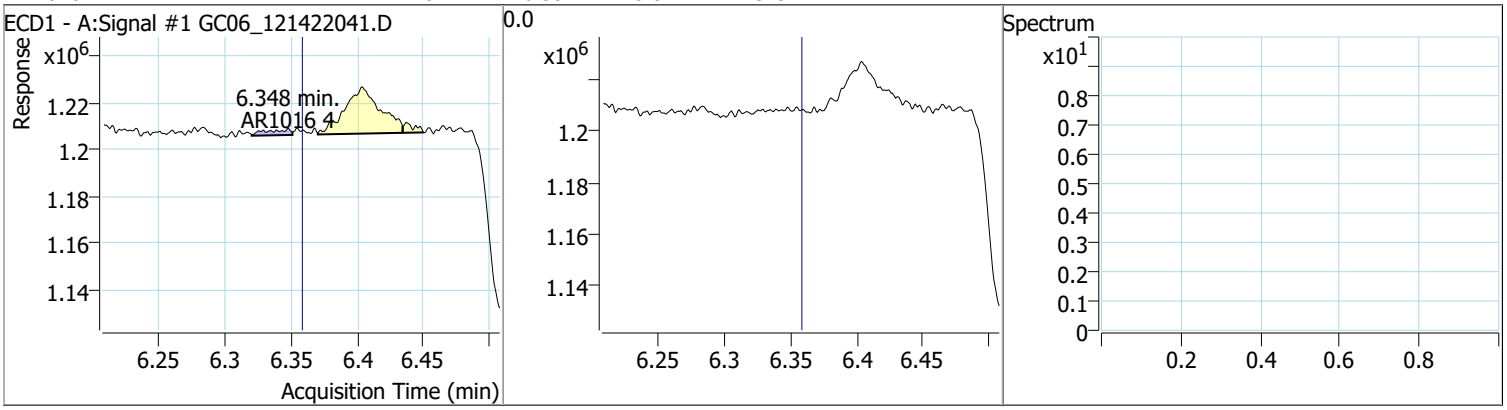
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	7.7976	5.94	-0.02	49054				



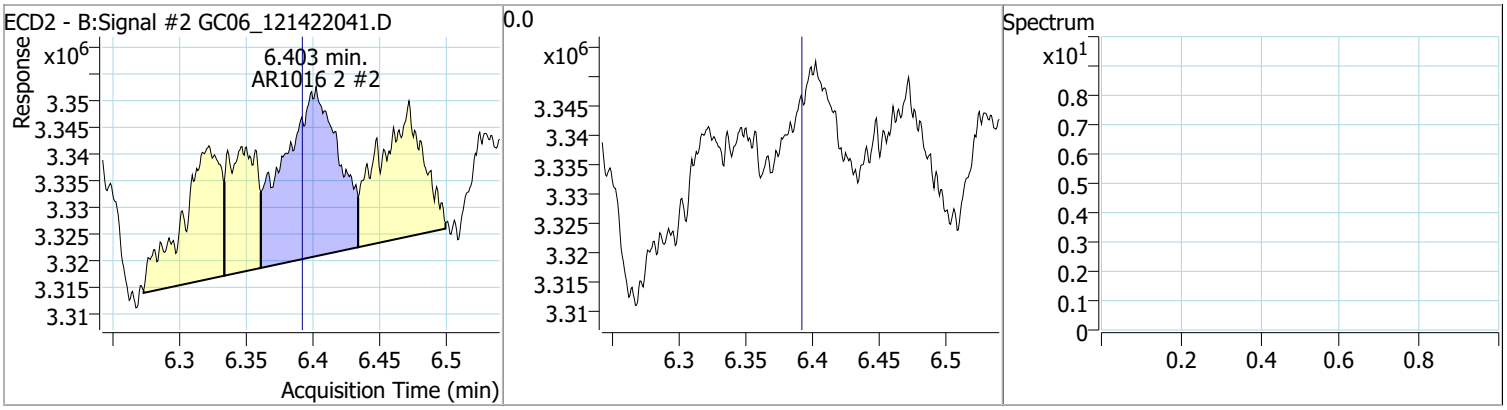
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	4.4869	6.20	-0.03	15051				



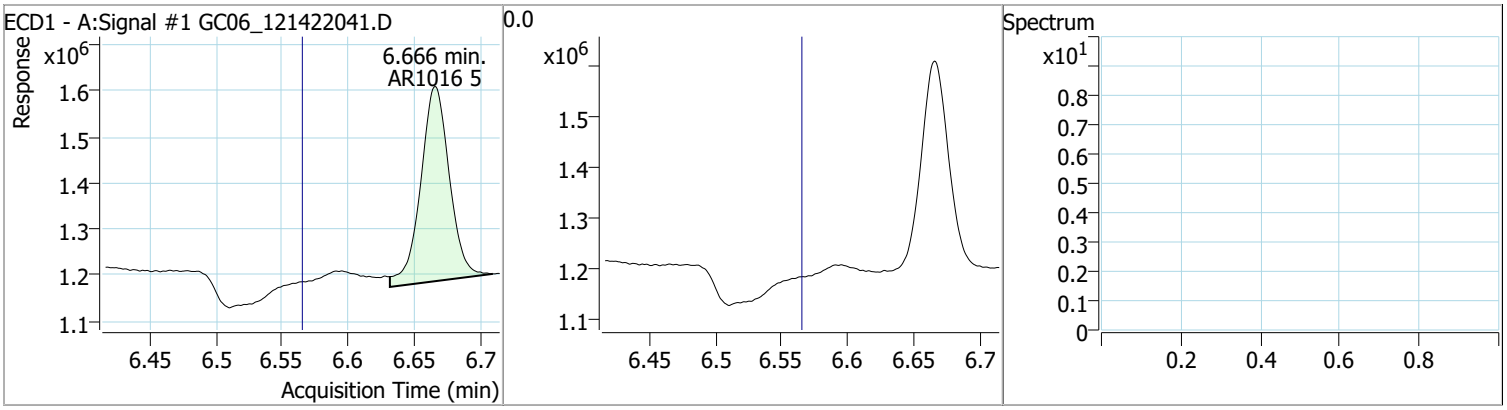
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1.2512	6.35	-0.01	3192				



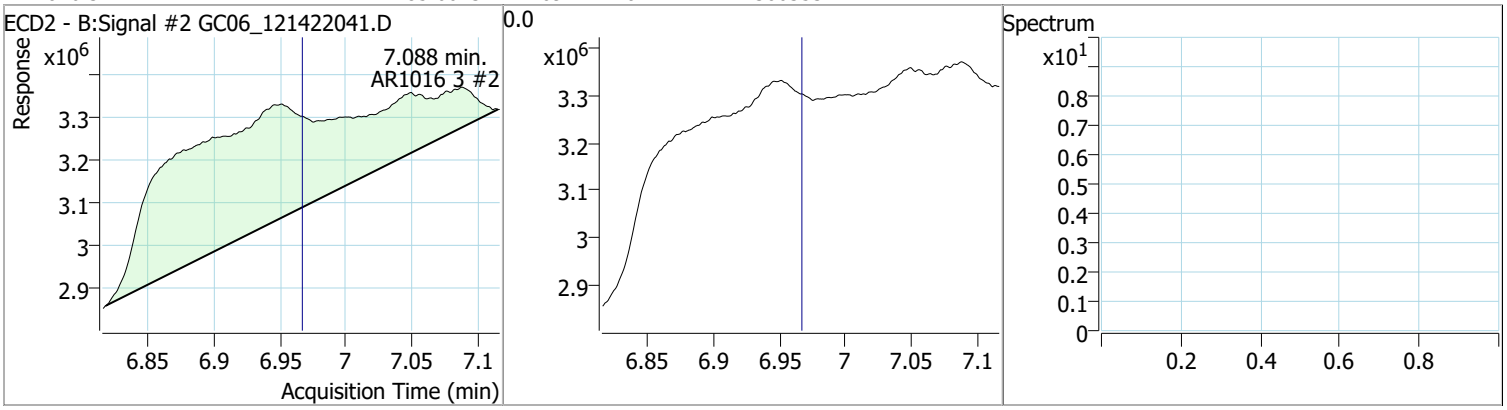
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	10.0953	6.40	0.01	91678				



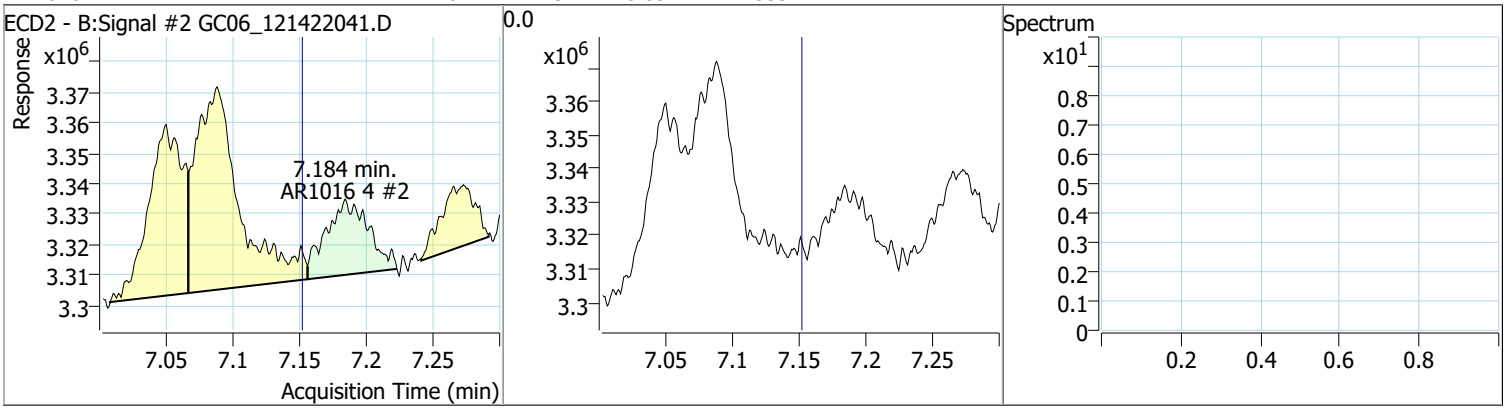
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	312.7219	6.67	0.10	642625				



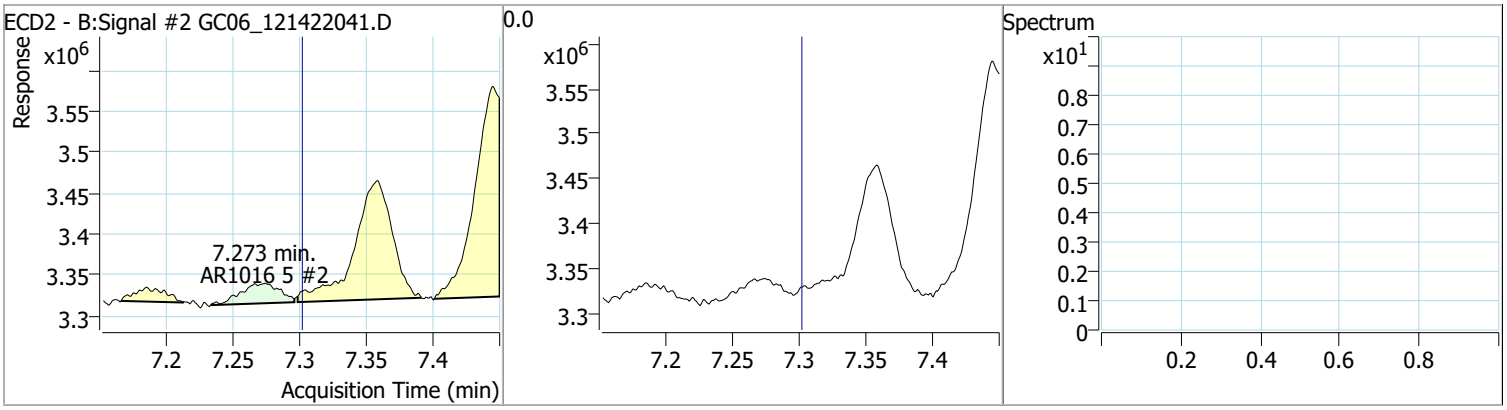
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	185.6613	7.09	0.12	3063534				



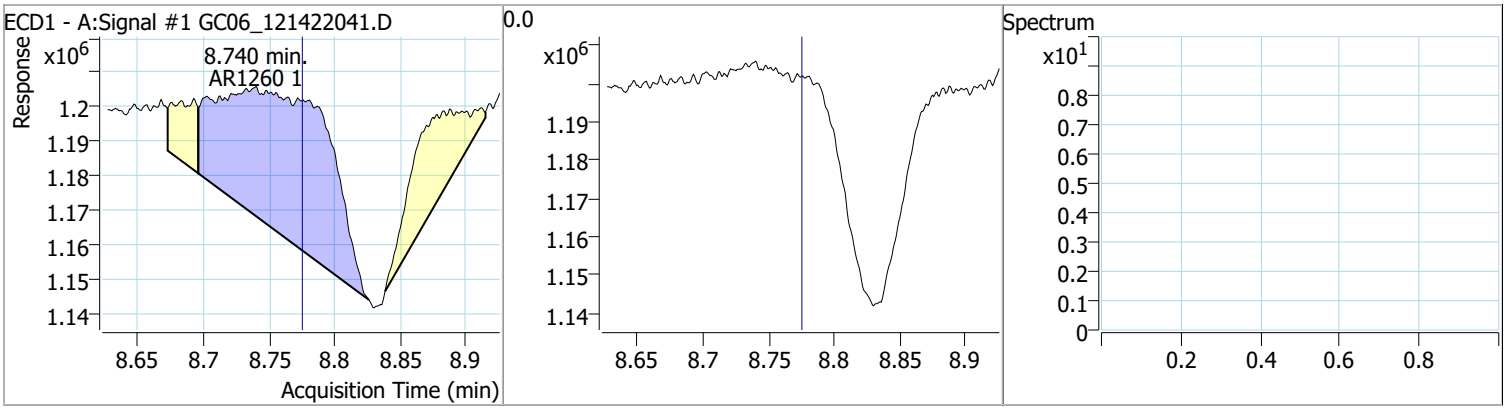
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	4.7126	7.18	0.03	55514				



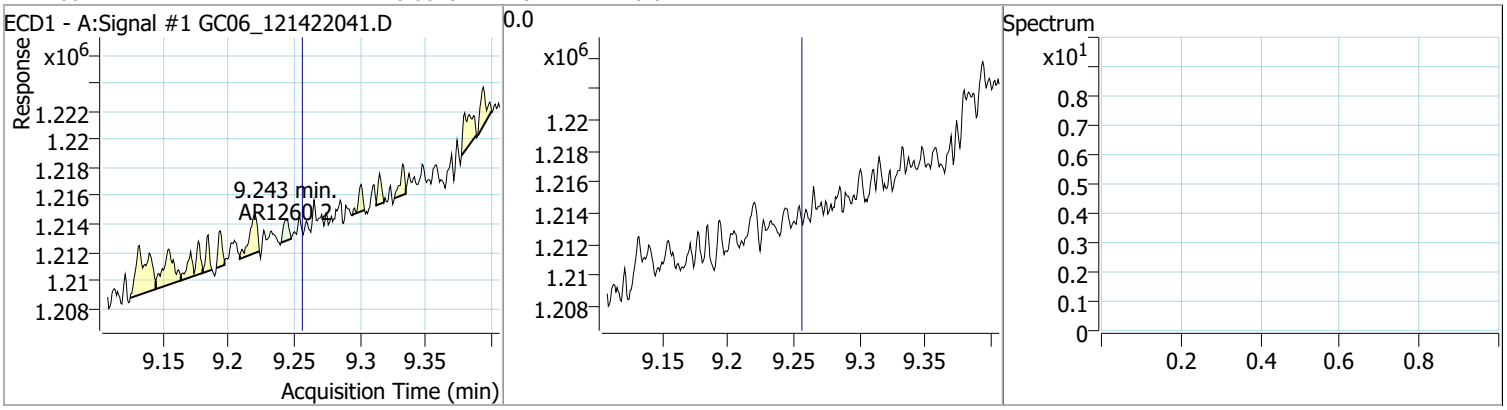
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	5.2595	7.27	-0.03	50362				



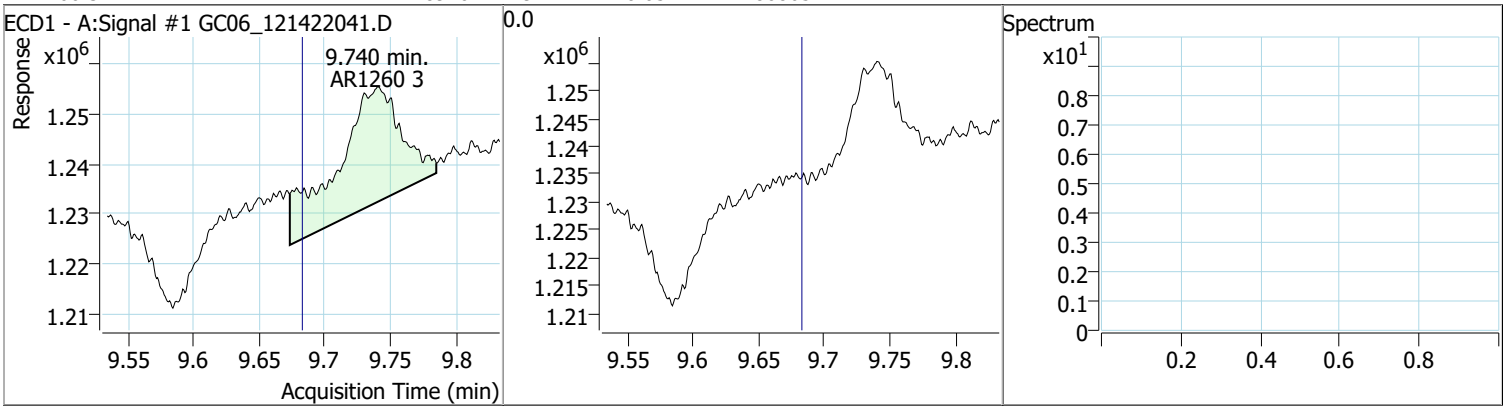
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	57.5297	8.74	-0.04	245458				



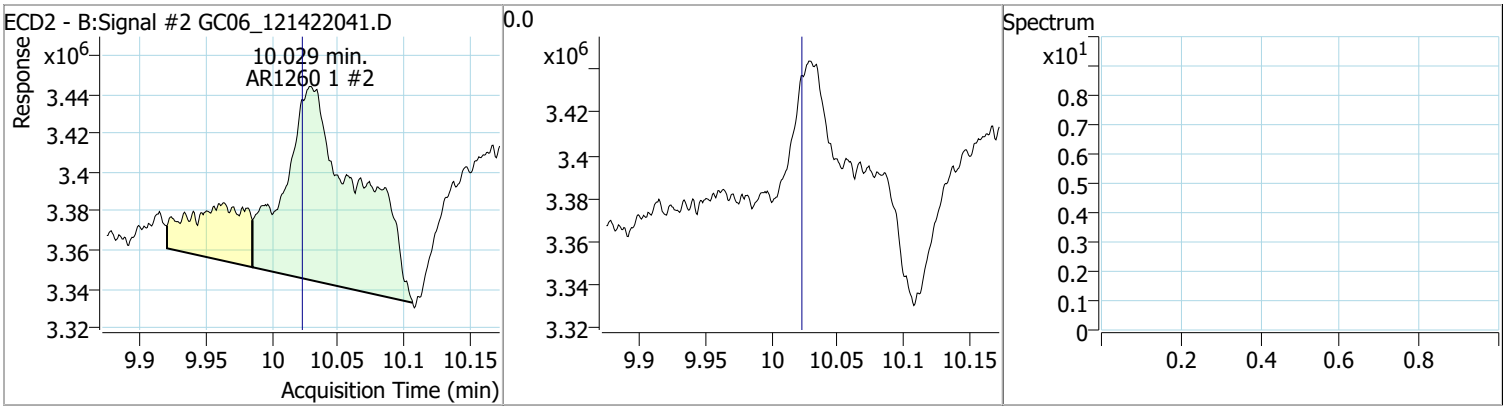
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.0678	9.24	-0.02	441				



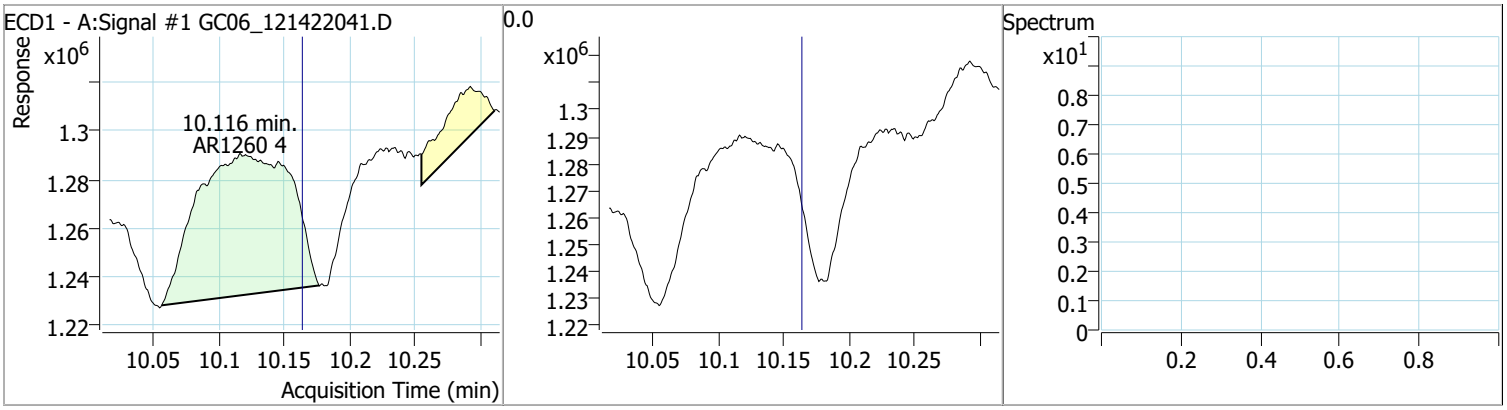
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	11.8970	9.74	0.05	80865				



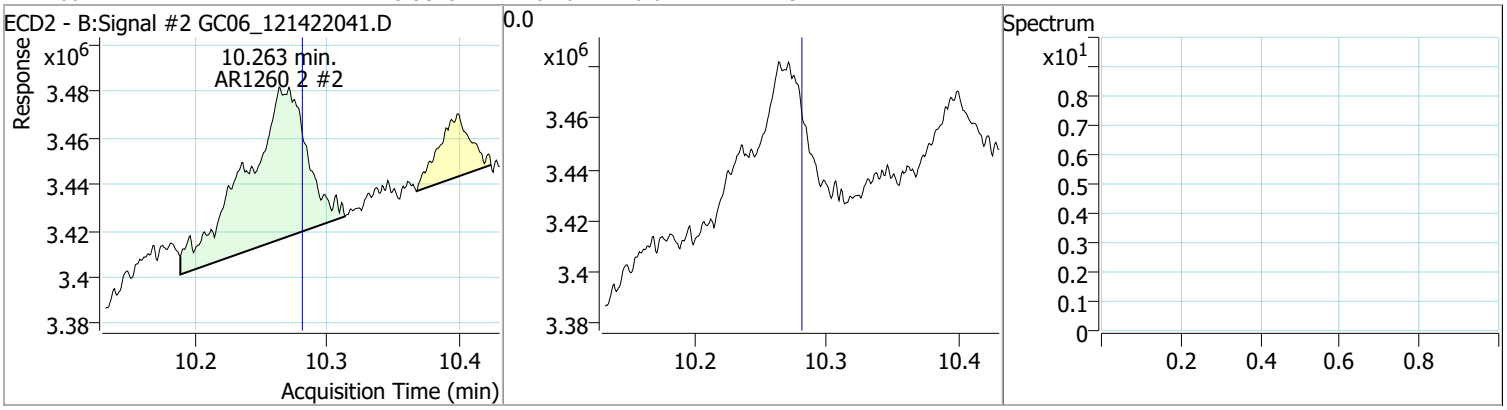
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	21.5334	10.03	0.00	387889				



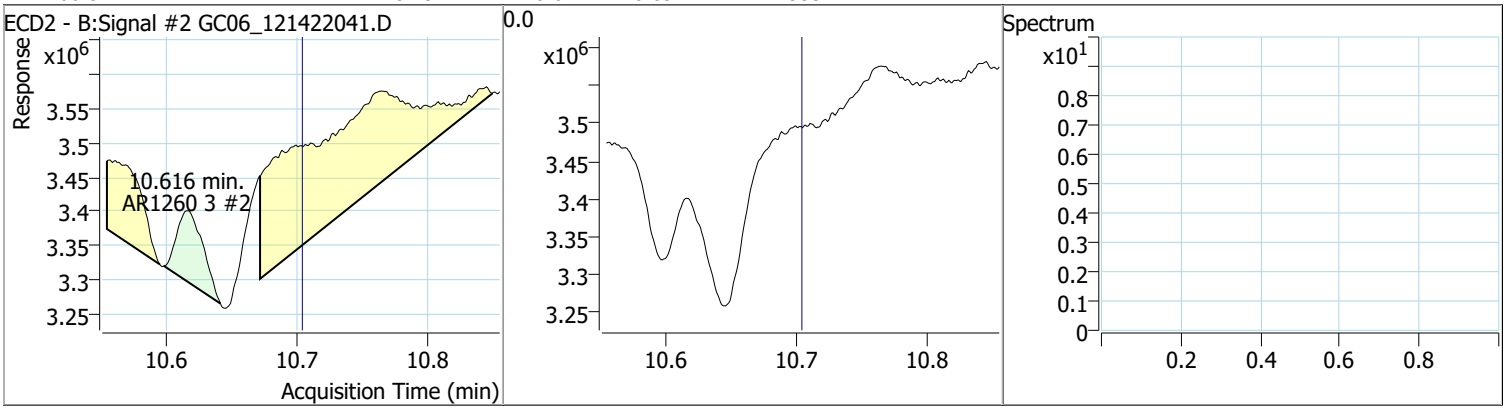
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	65.8023	10.12	-0.05	291668				



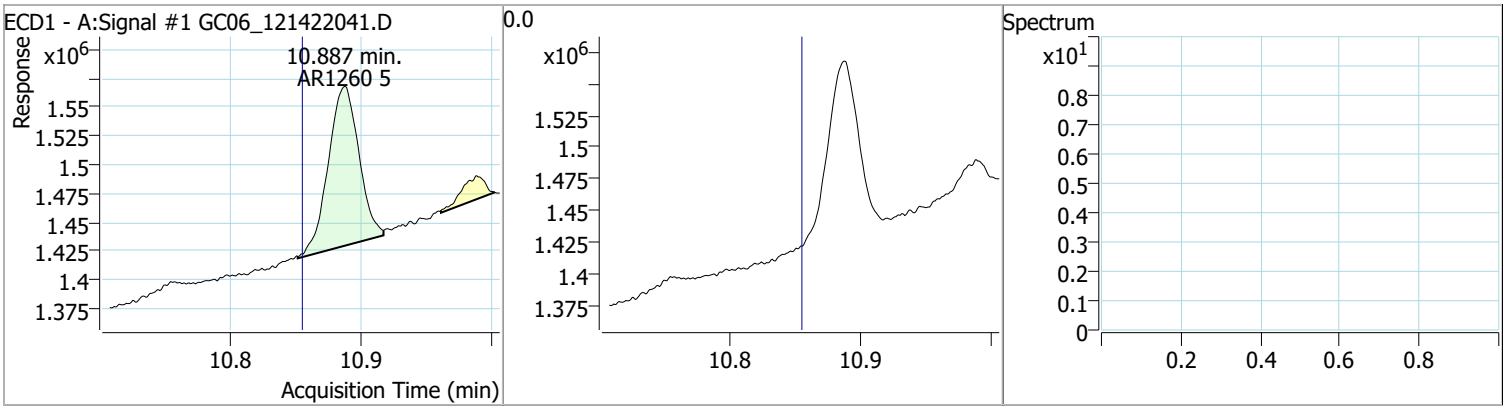
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	9.9325	10.26	-0.02	214974				



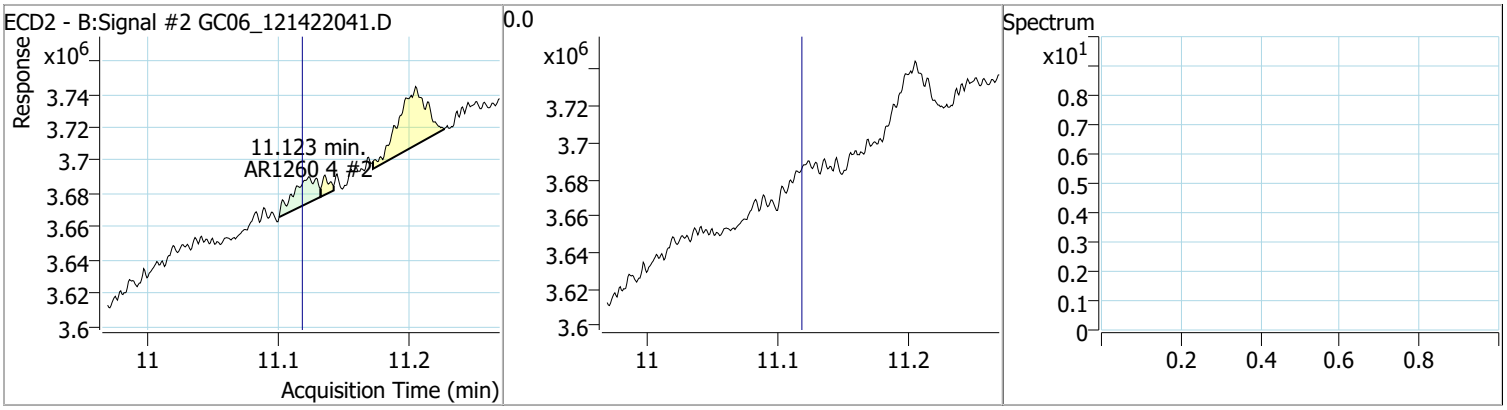
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	5.2927	10.62	-0.09	144999				



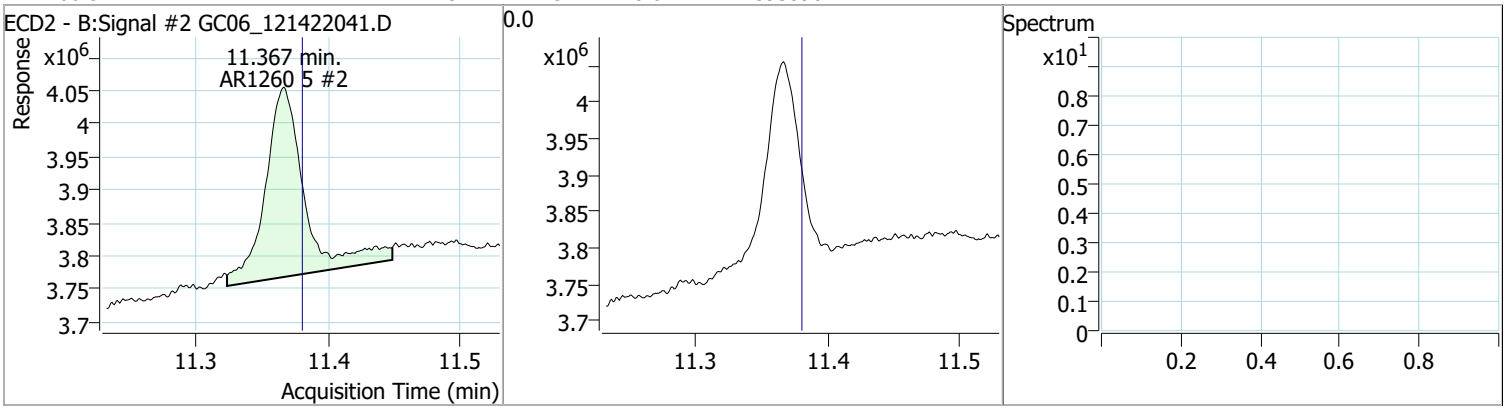
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	11.8393	10.89	0.03	226547				



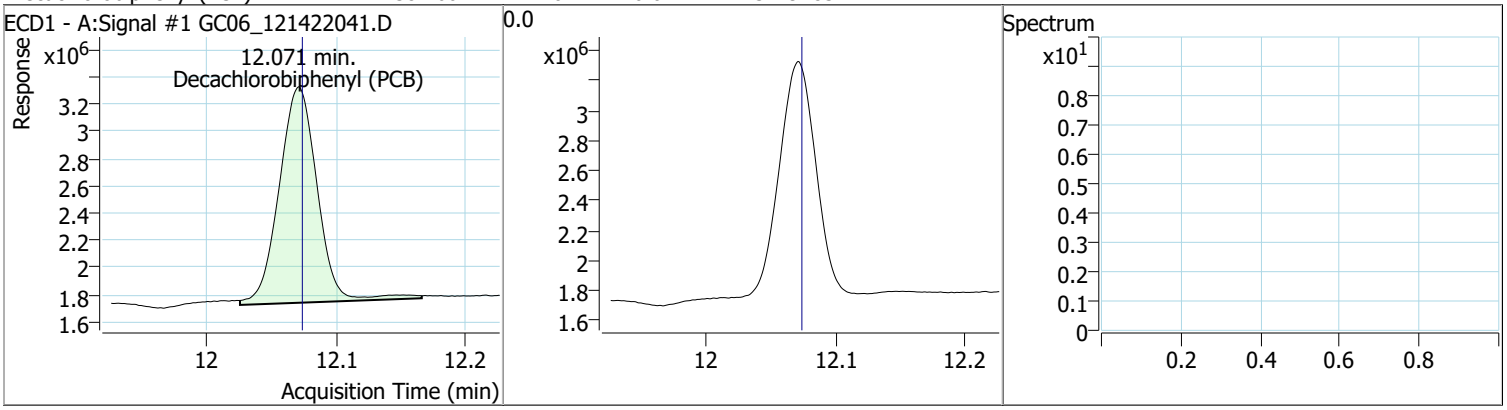
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.12	0.00	19742				



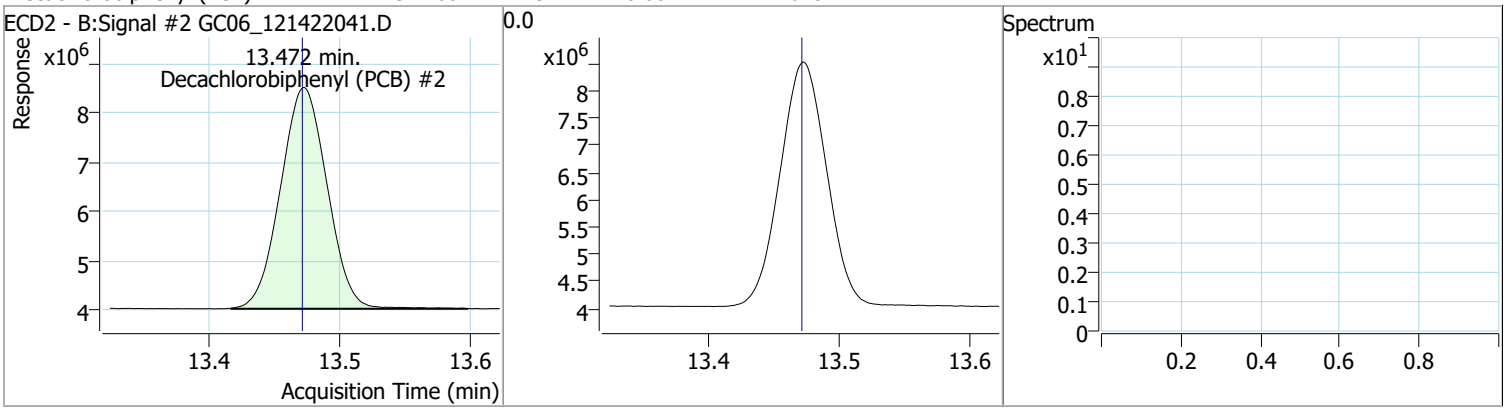
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	7.4143	11.37	-0.02	593598				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	38.1607	12.07	-0.01	3249283				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	34.1607	13.47	0.00	11167814				



ENTHALPY SPIKE USER REPORT FOR 474716 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC06	Inst:	SVOA-GC06
Seqnum:	452501809013.2	Seqnum:	452501809014.2
File:	gc06_121422013	File:	gc06_121422014
IDF:	1.0	IDF:	1.0
Lab ID:	QC1031897	Lab ID:	QC1031898
Matrix:	Wipe	Matrix:	Wipe
Batch:	303181	Batch:	303181
Time:	14-DEC-2022 15:44	Time:	14-DEC-2022 16:03
Cal:	452428510002	Cal:	452428510002
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	286.6	5.732	B	115	295.9	5.919	B	118	60-140	3	20	u
Aroclor-1016 Peak # 1		277.2	5.543	B		282.8	5.657	B					
Aroclor-1016 Peak # 2		411.3	8.227	B		421.9	8.439	B					
Aroclor-1016 Peak # 3		261.9	5.239	B		276.1	5.521	B					
Aroclor-1016 Peak # 4		274.3	5.487	B		282.9	5.659	B					
Aroclor-1016 Peak # 5		208.3	4.166	B		215.9	4.317	B					
Aroclor-1260	5.000	256.0	5.120	B	102	278.8	5.577	B	112	60-140	9	20	u
Aroclor-1260 Peak # 1		248.6	4.972	B		265.8	5.316	B					
Aroclor-1260 Peak # 2		254.6	5.092	B		272.1	5.441	B					
Aroclor-1260 Peak # 3		233.0	4.659	B		248.4	4.967	B					
Aroclor-1260 Peak # 4		237.1	4.741	B		256.2	5.125	B					
Aroclor-1260 Peak # 5		306.8	6.136	B		351.7	7.034	B					
Surrogates													
TCMX (PCB)	0.5000	25.62	0.5124	B	102	25.76	0.5153	B	103	52-121			u
Decachlorobiphenyl (PCB)	0.5000	23.30	0.4660	B	93	24.56	0.4913	B	98	60-121			u

ISTD (CCV gc06_121422004)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5307613	4870792	-8.23
1-bromo-2-nitrobenzene (PCB)	A	1103956	1030990	-6.61

ISTD (CCV gc06_121422004)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

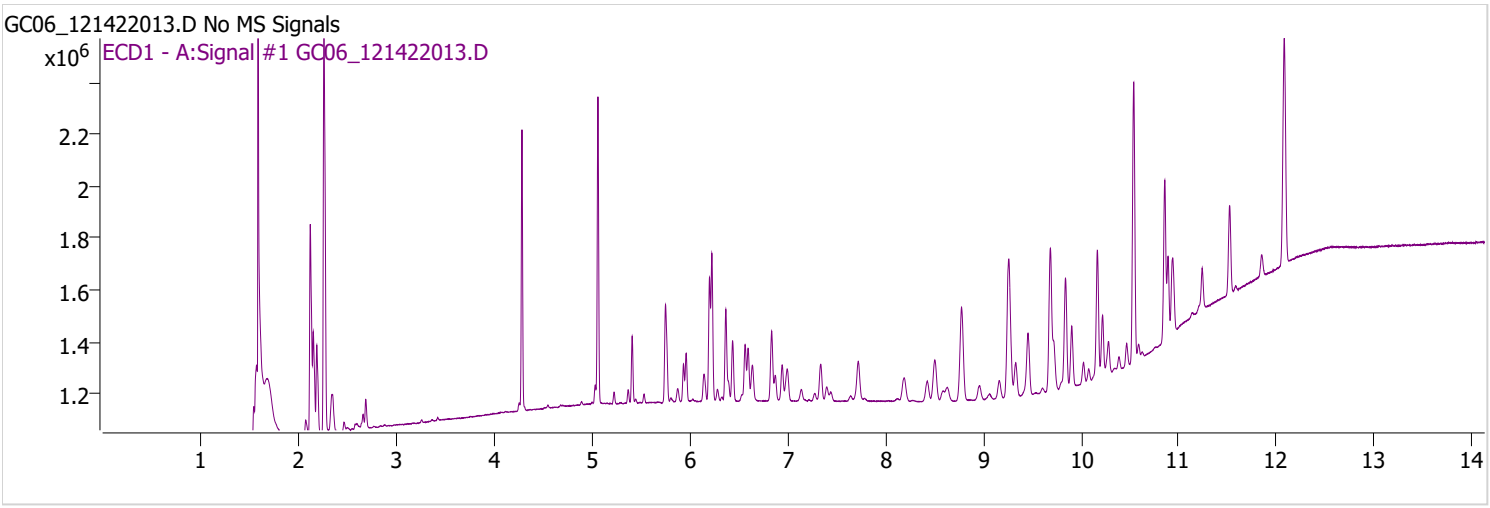
ISTD (CCV gc06_121422004)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5307613	4956894	-6.61
1-bromo-2-nitrobenzene (PCB)	A	1103956	1040921	-5.71

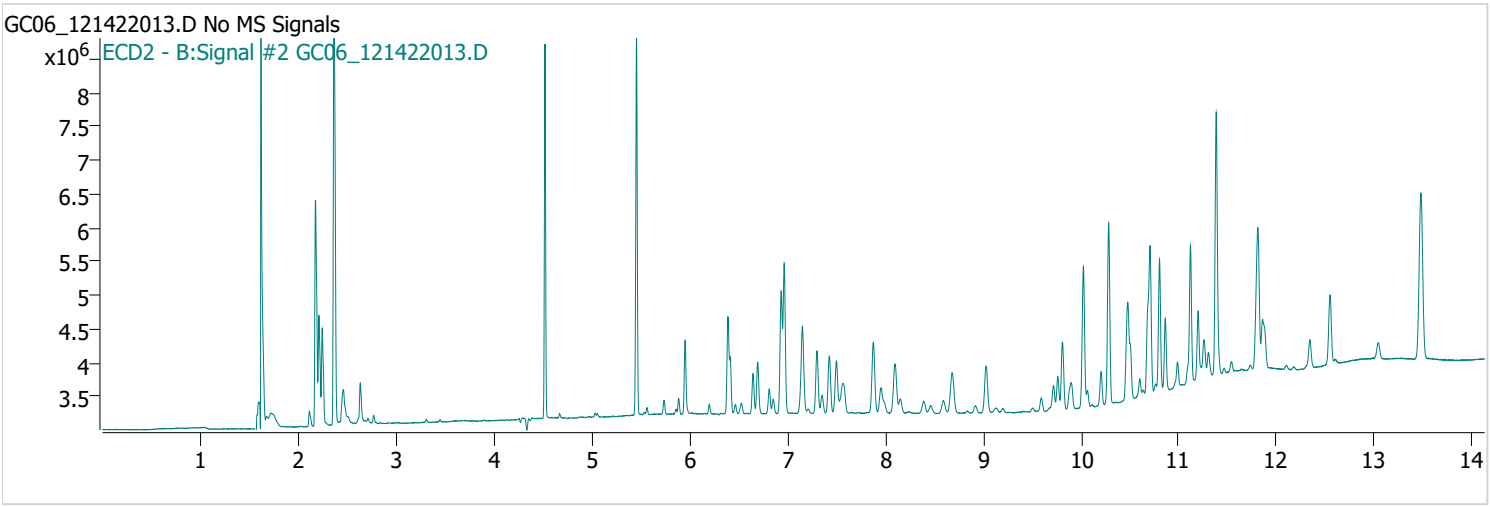
ISTD (CCV gc06_121422004)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

Analyst: TRN 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422013.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 3:44:49 PM
Sample Name	QC1031897, 303181, 1	Instrument	SVOA-GC06
Vial	2	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



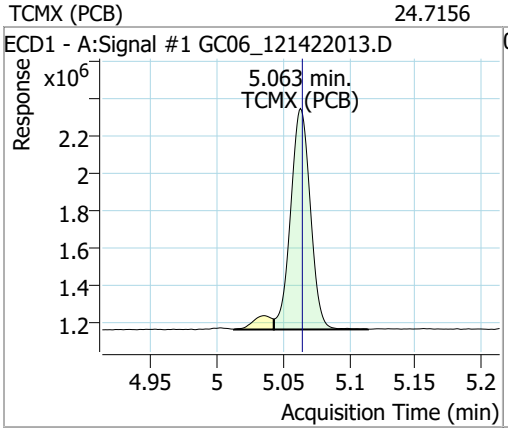


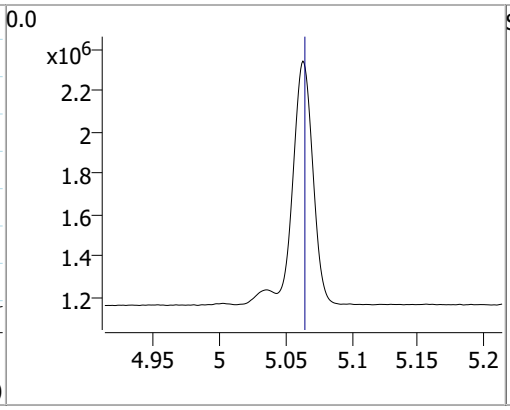
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.287	0.0	1030990.289	20.0000	ng/ml	0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.523	0.0	4870792.332	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.063	0.0	1225105.510	24.7156	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 123.58%		
S TCMX (PCB) #2	5.458	0.0	5993633.120	25.6229	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 128.11%		
S Decachlorobiphenyl (PCB)	12.078	0.0	1721897.861	23.2338	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 116.17%		
S Decachlorobiphenyl (PCB) #2	13.475	0.0	6296805.615	23.3030	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 116.52%		
Target Compounds						QValue

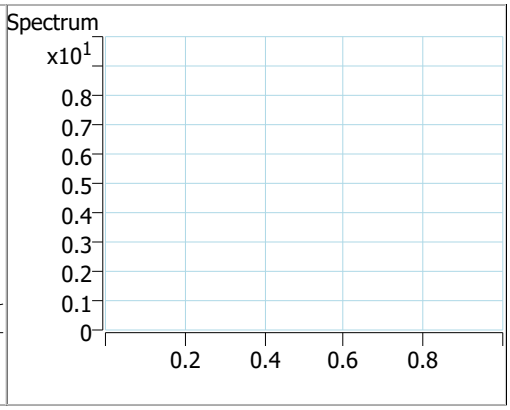
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.413	0.0	291718.622	269.8801	ng/ml	100
T AR1016 2	5.754	0.0	624008.587	274.9491	ng/ml	100
T AR1016 1 #2	5.954	0.0	1403042.410	277.1540	ng/ml	100
T AR1016 3	6.228	0.0	739343.971	269.7776	ng/ml	100
T AR1016 4	6.371	0.0	562400.152	269.8178	ng/ml	100
T AR1016 2 #2	6.393	0.0	3005933.536	411.3384	ng/ml	100
T AR1016 5	6.568	0.0	355413.268	211.6980	ng/ml	100
T AR1016 3 #2	6.967	0.0	3478110.890	261.9428	ng/ml	100
T AR1016 4 #2	7.153	0.0	2600611.082	274.3441	ng/ml	100
T AR1016 5 #2	7.303	0.0	1605213.102	208.3269	ng/ml	100
T AR1260 1	8.780	0.0	869514.715	249.4449	ng/ml	100
T AR1260 2	9.263	0.0	1340228.184	252.2557	ng/ml	100
T AR1260 3	9.688	0.0	1251194.962	225.3098	ng/ml	100
T AR1260 1 #2	10.025	0.0	3603802.401	248.6167	ng/ml	100
T AR1260 4	10.168	0.0	827628.506	266.7313	ng/ml	100
T AR1260 2 #2	10.283	0.0	4434661.917	254.6231	ng/ml	100
T AR1260 3 #2	10.707	0.0	5135983.508	232.9714	ng/ml	100
T AR1260 5	10.858	0.0	970477.109	138.8798	ng/ml	100
T AR1260 4 #2	11.119	0.0	3154571.583	237.0624	ng/ml	100
T AR1260 5 #2	11.383	0.0	5963045.202	306.8221	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

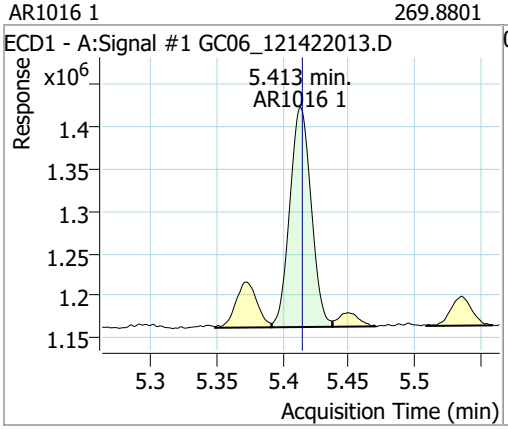
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	24.7156	5.06	0.00	1225106				

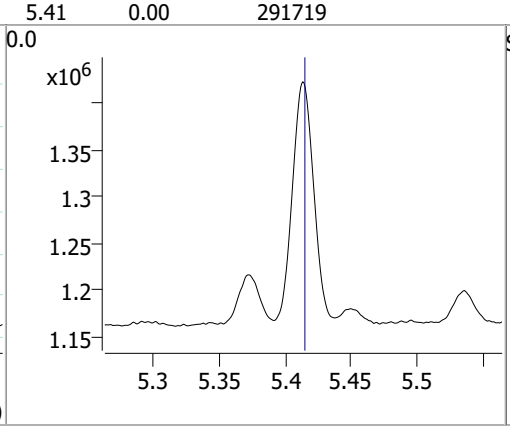


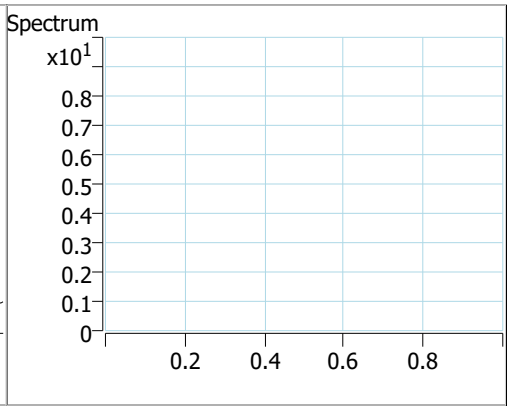




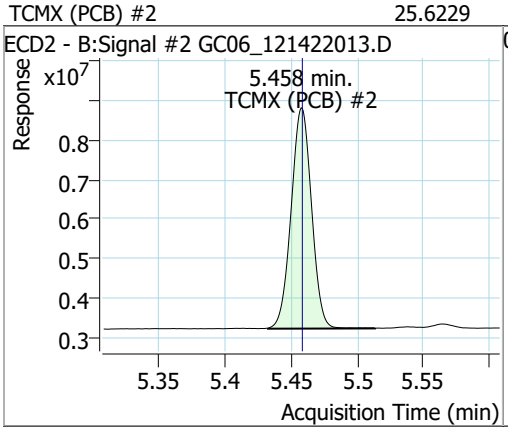
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	269.8801	5.41	0.00	291719				

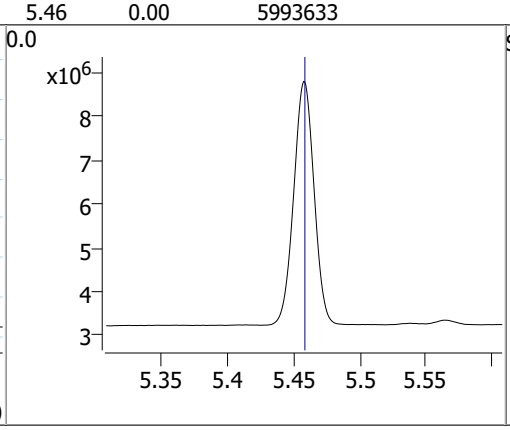


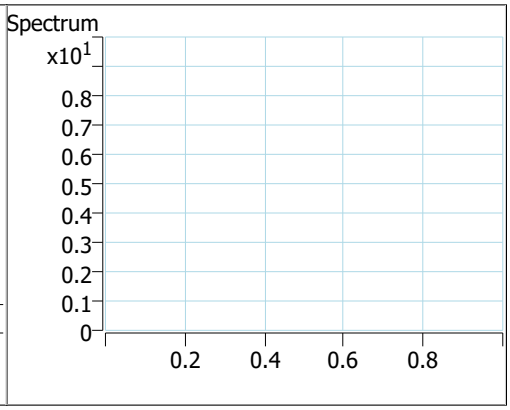




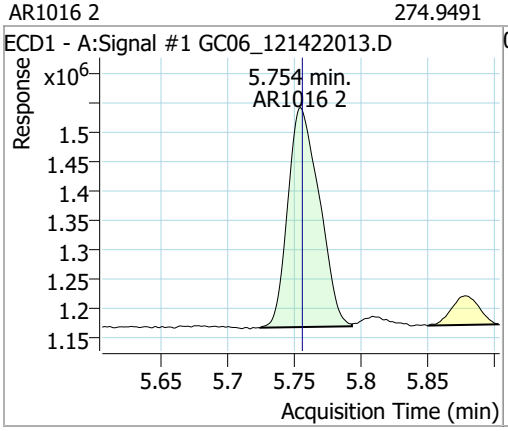
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	25.6229	5.46	0.00	5993633				

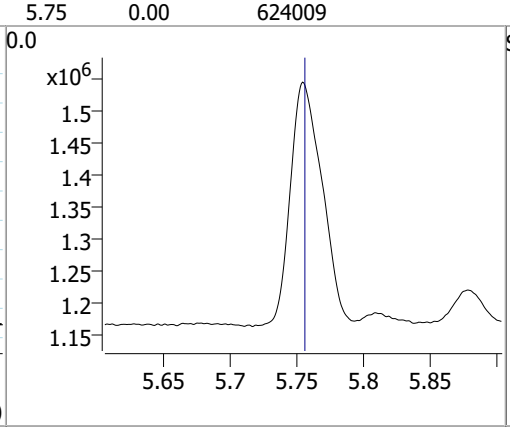


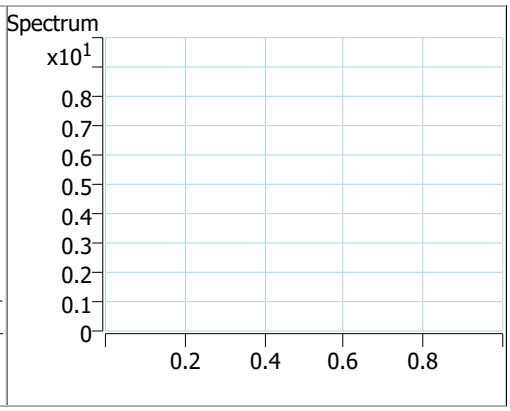




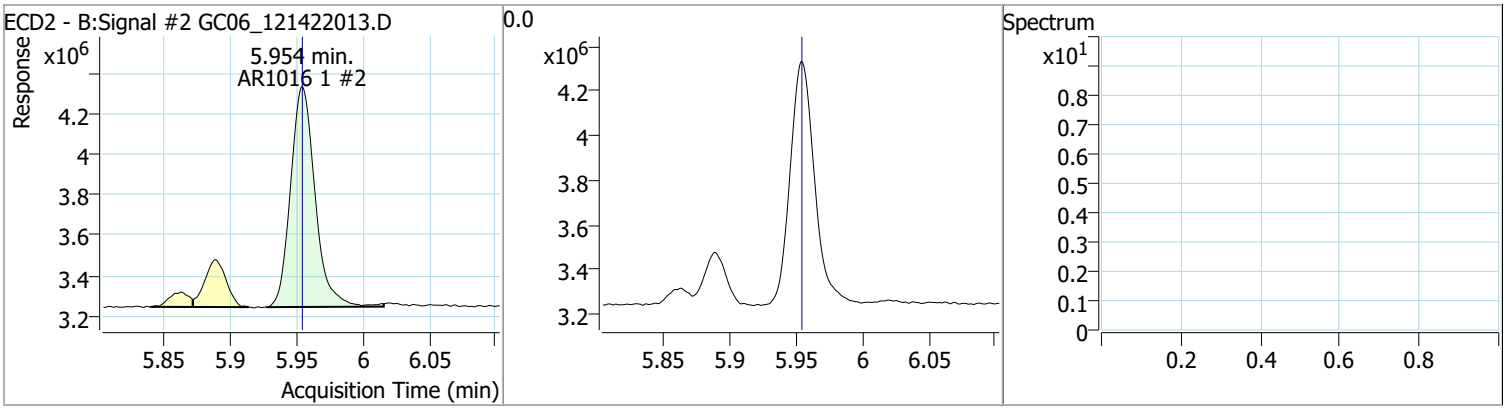
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	274.9491	5.75	0.00	624009				



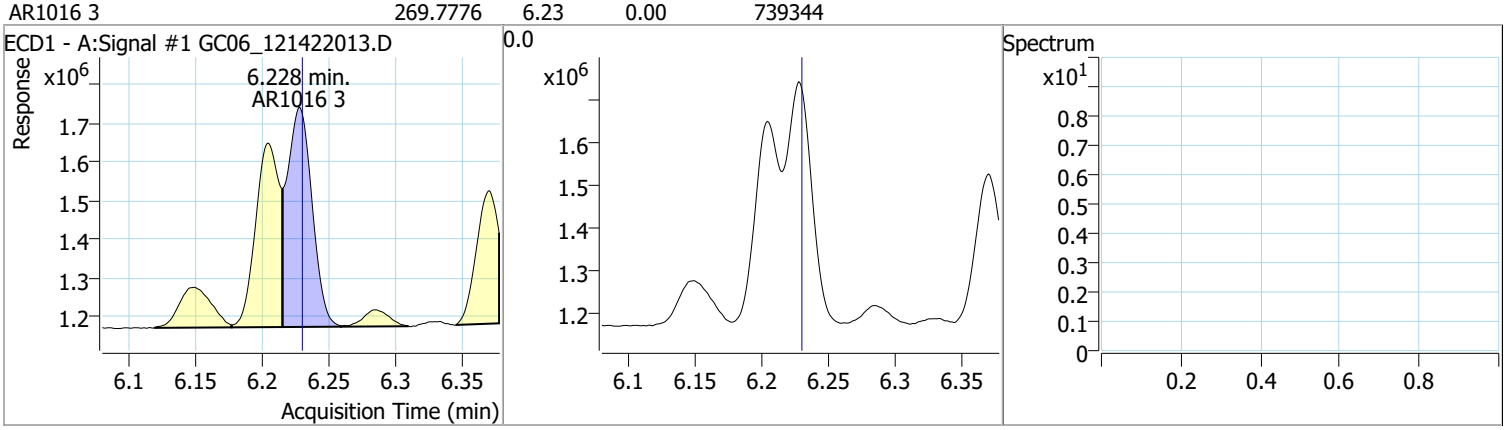




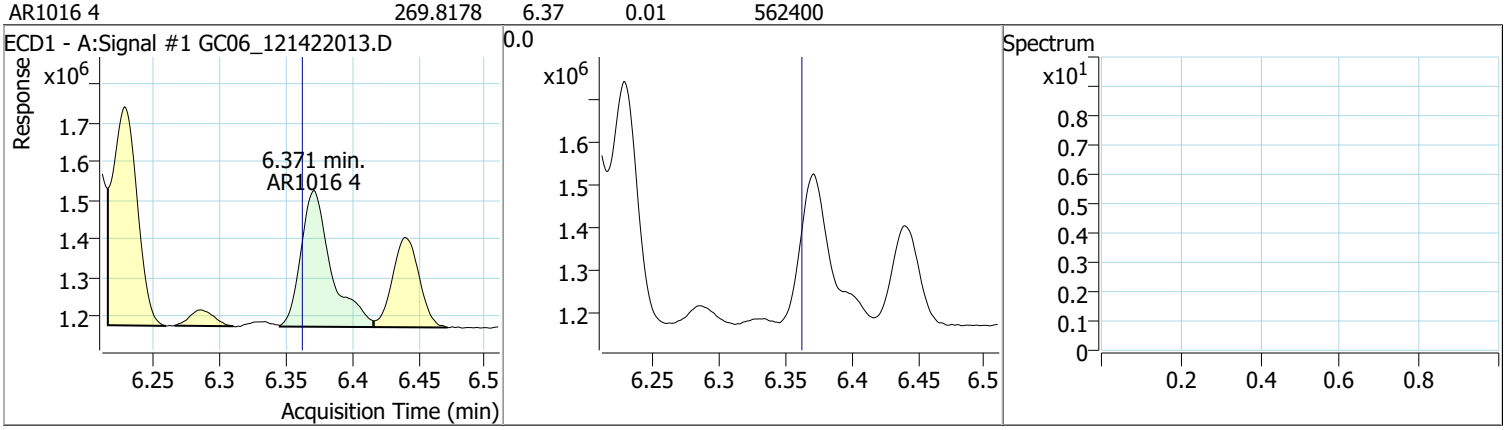
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	277.1540	5.95	0.00	1403042				



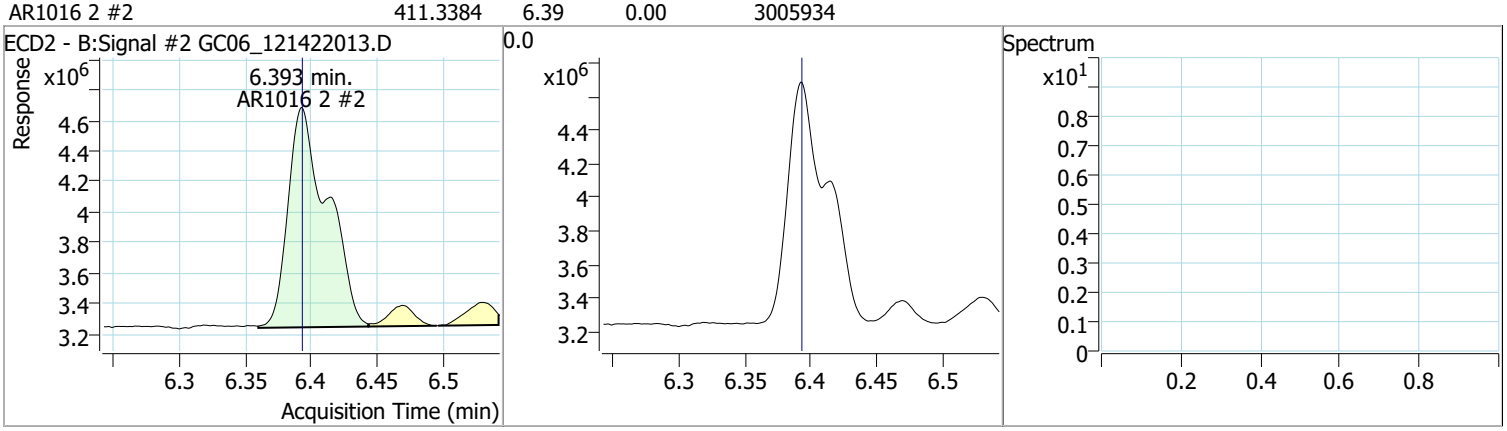
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	269.7776	6.23	0.00	739344				



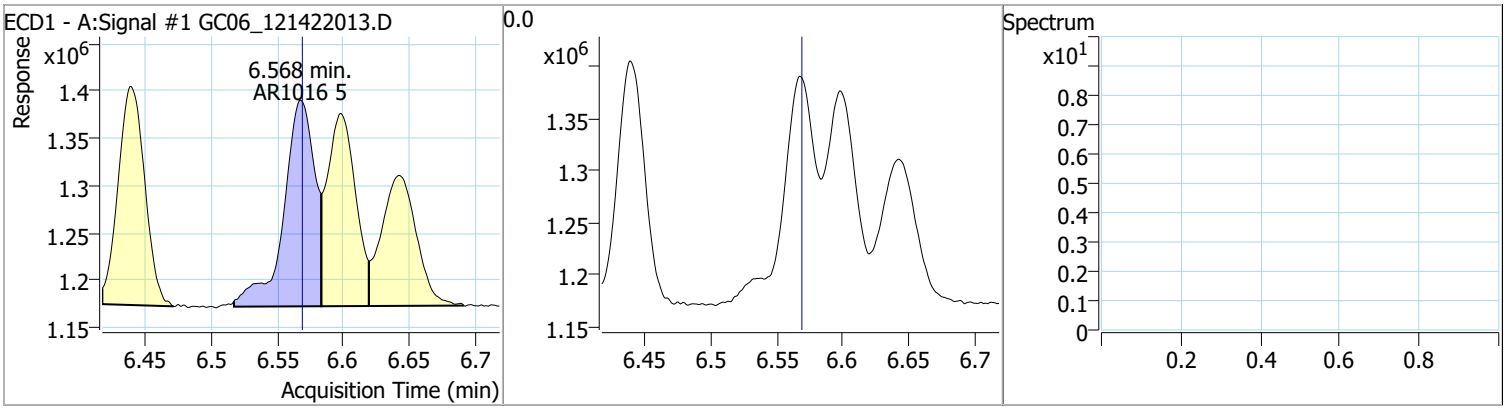
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	269.8178	6.37	0.01	562400				



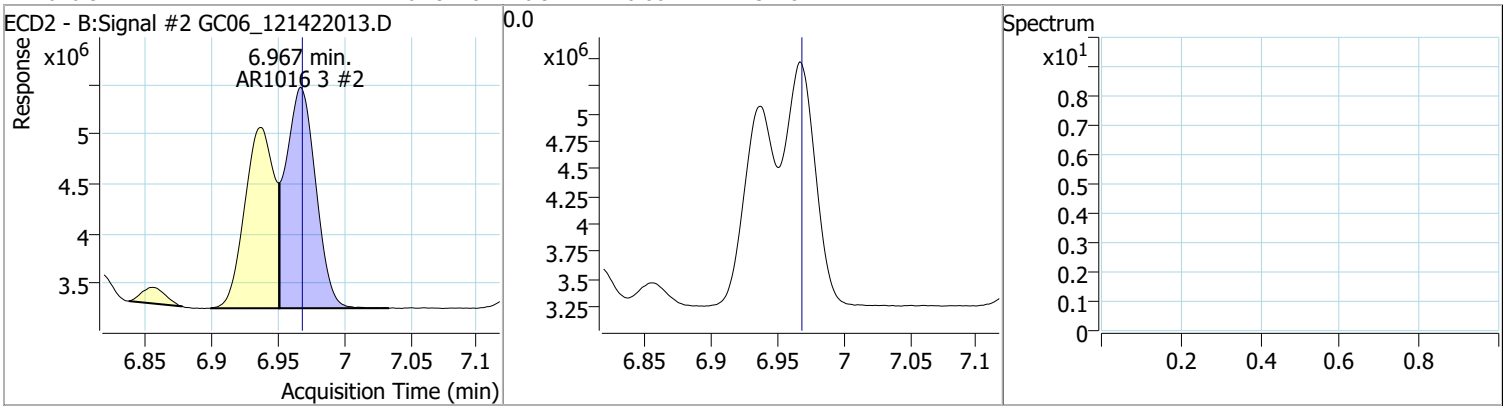
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	411.3384	6.39	0.00	3005934				



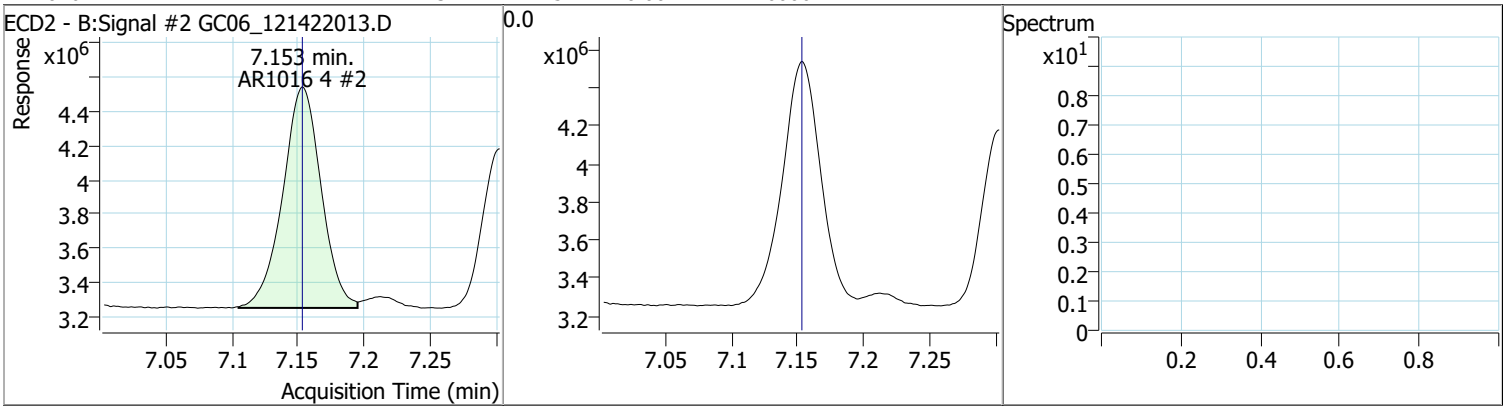
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	211.6980	6.57	0.00	355413				



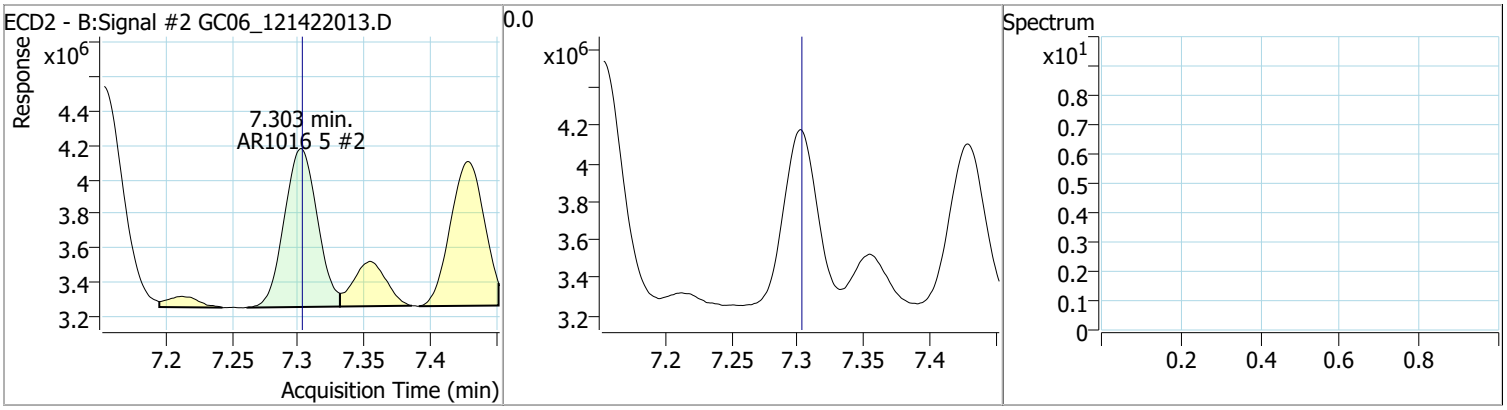
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	261.9428	6.97	0.00	3478111				



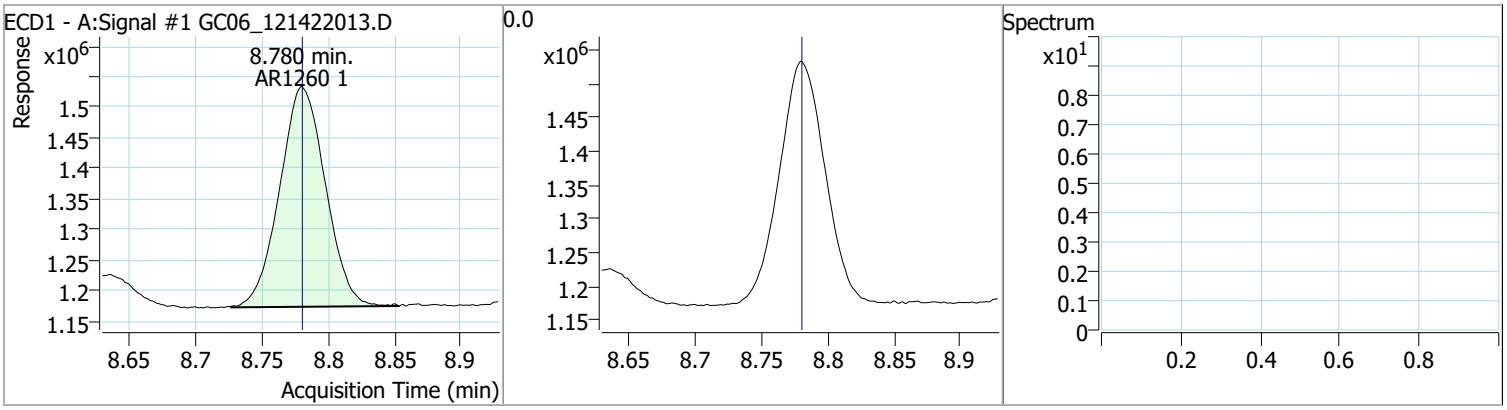
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	274.3441	7.15	0.00	2600611				



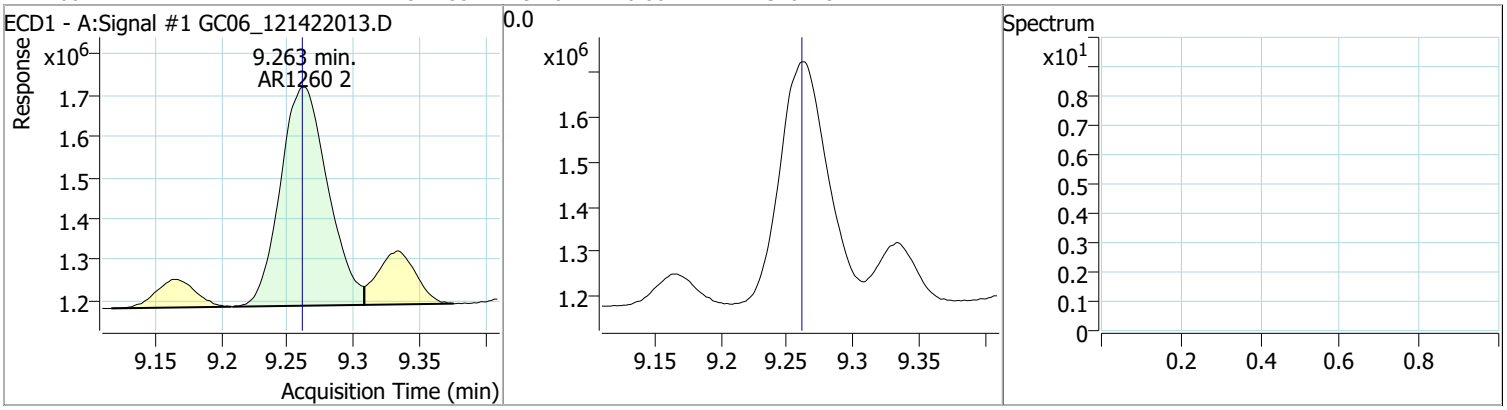
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	208.3269	7.30	0.00	1605213				



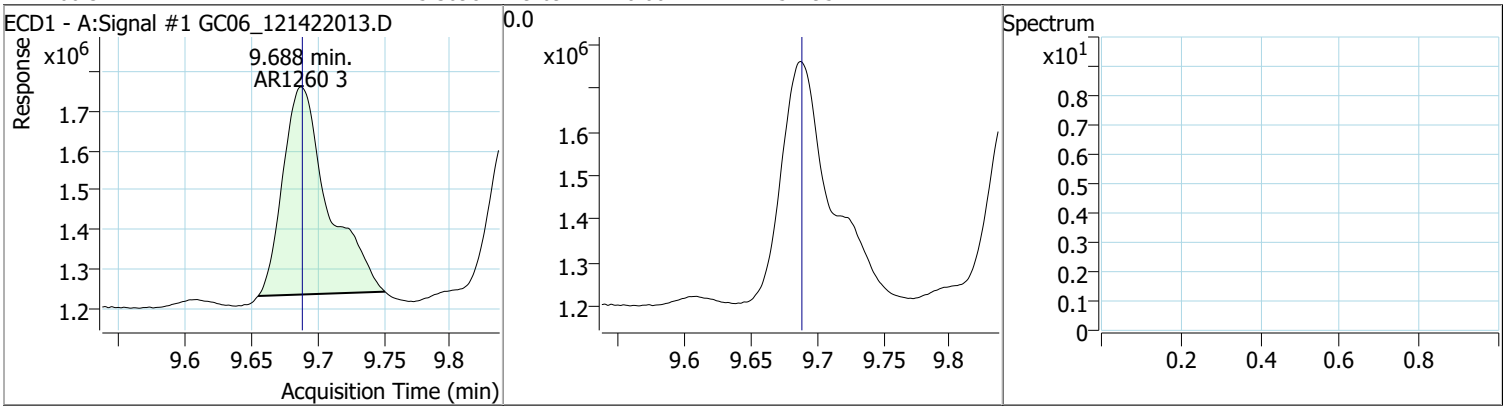
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	249.4449	8.78	0.00	869515				



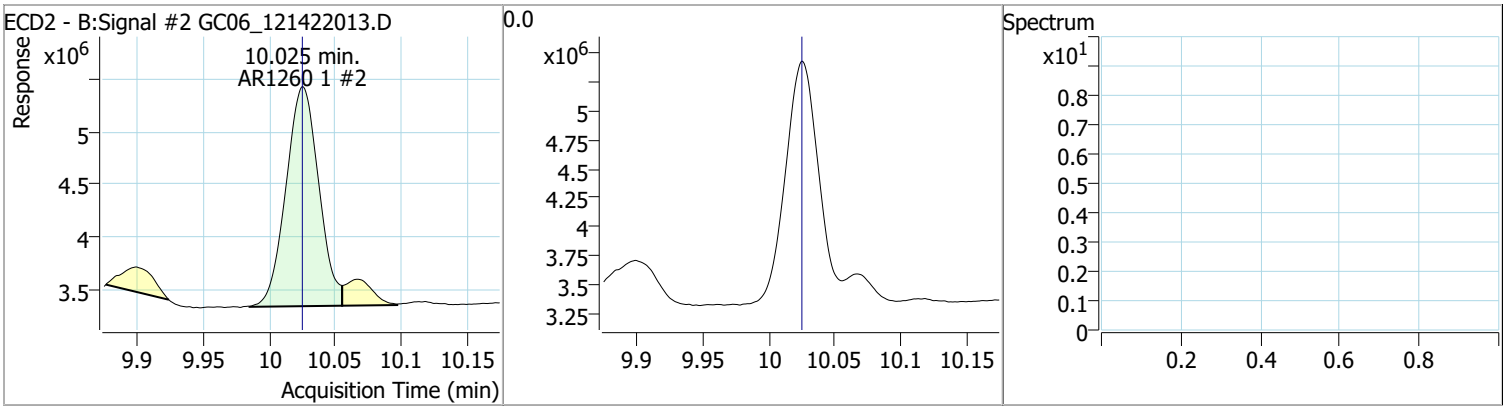
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	252.2557	9.26	0.00	1340228				



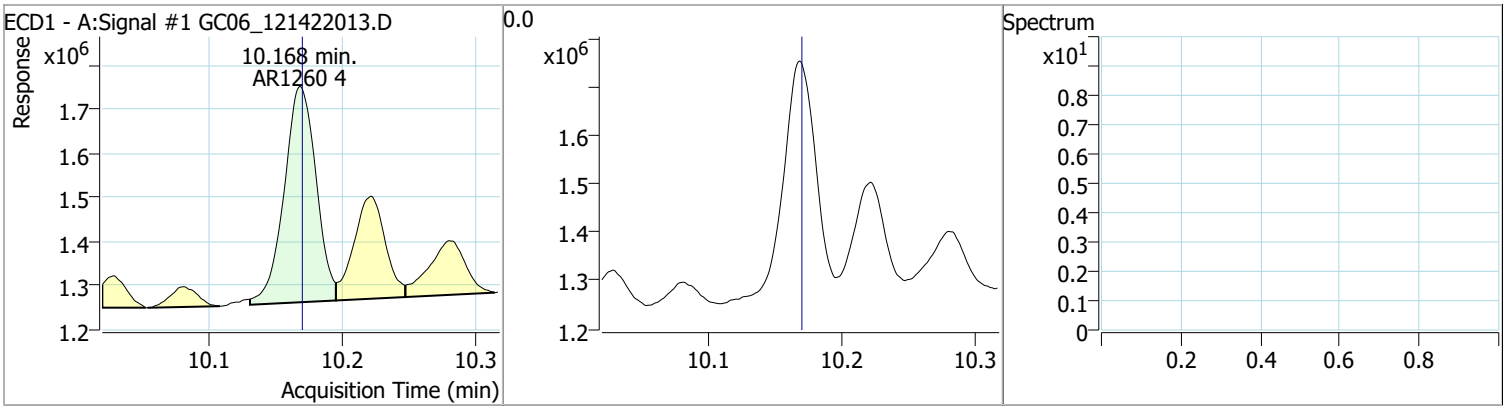
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	225.3098	9.69	0.00	1251195				



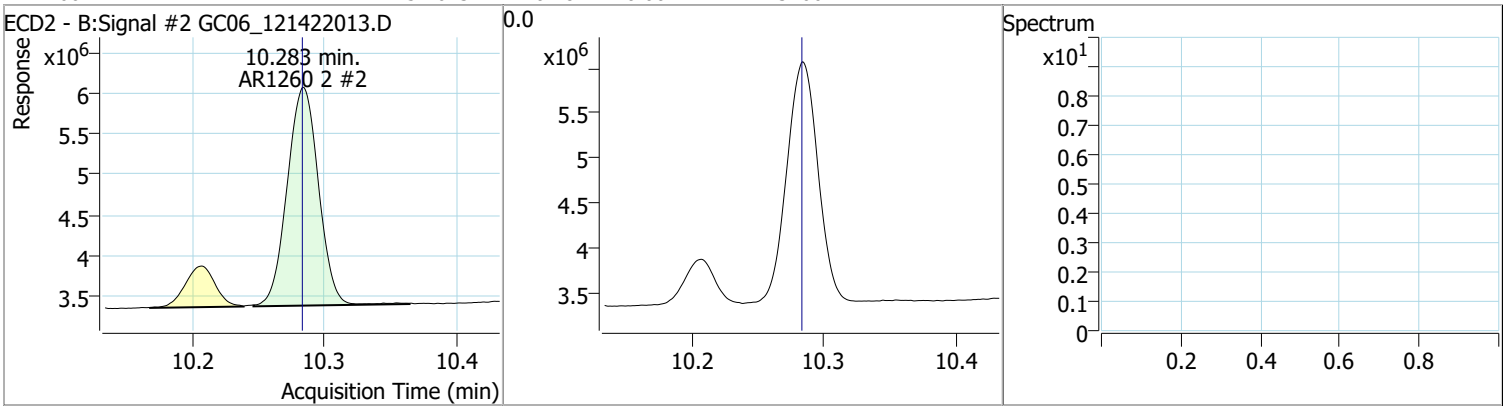
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	248.6167	10.03	0.00	3603802				



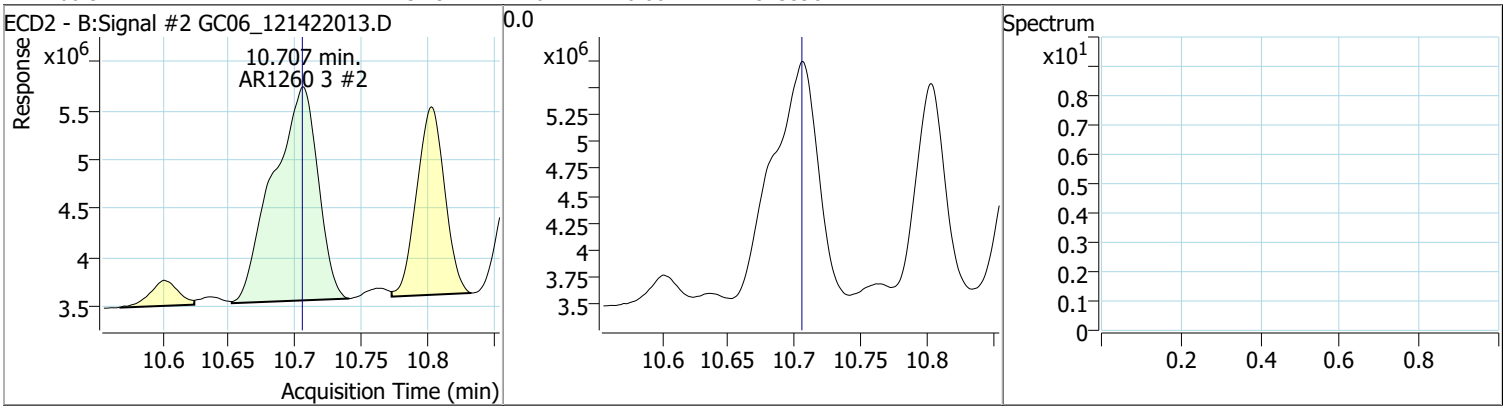
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	266.7313	10.17	0.00	827629				



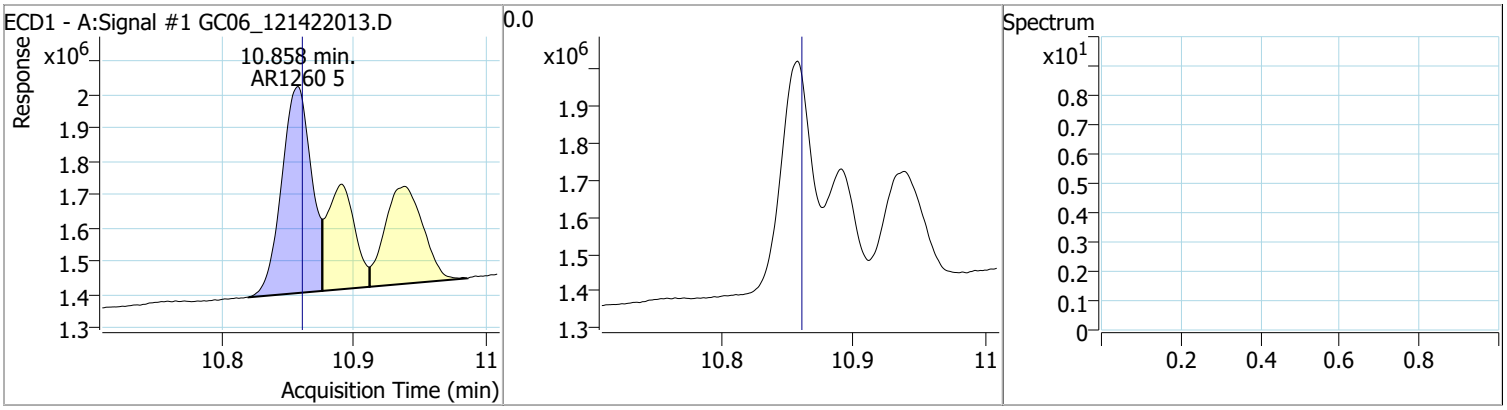
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	254.6231	10.28	0.00	4434662				



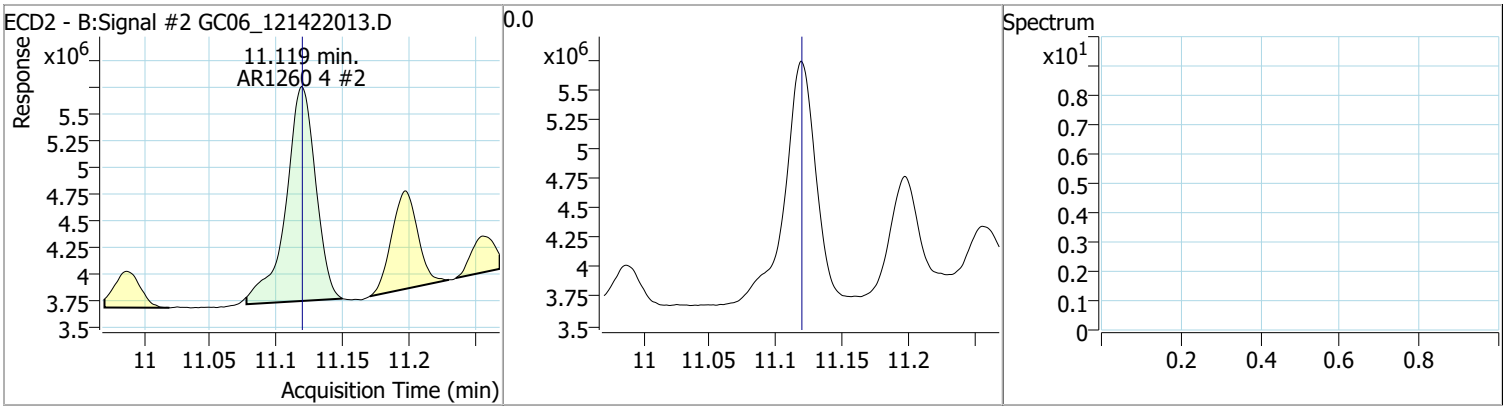
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	232.9714	10.71	0.00	5135984				



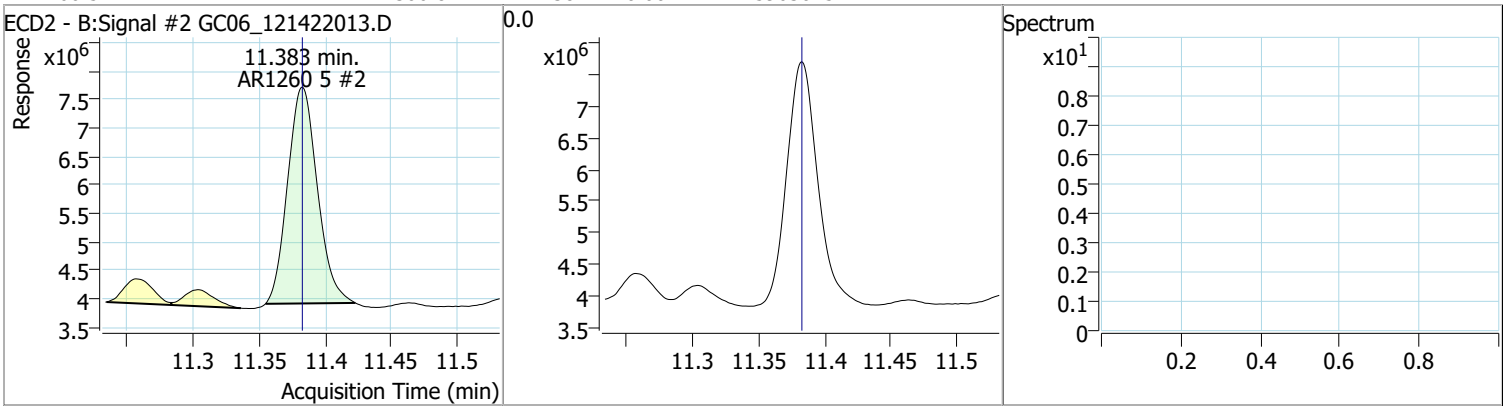
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	138.8798	10.86	0.00	970477				



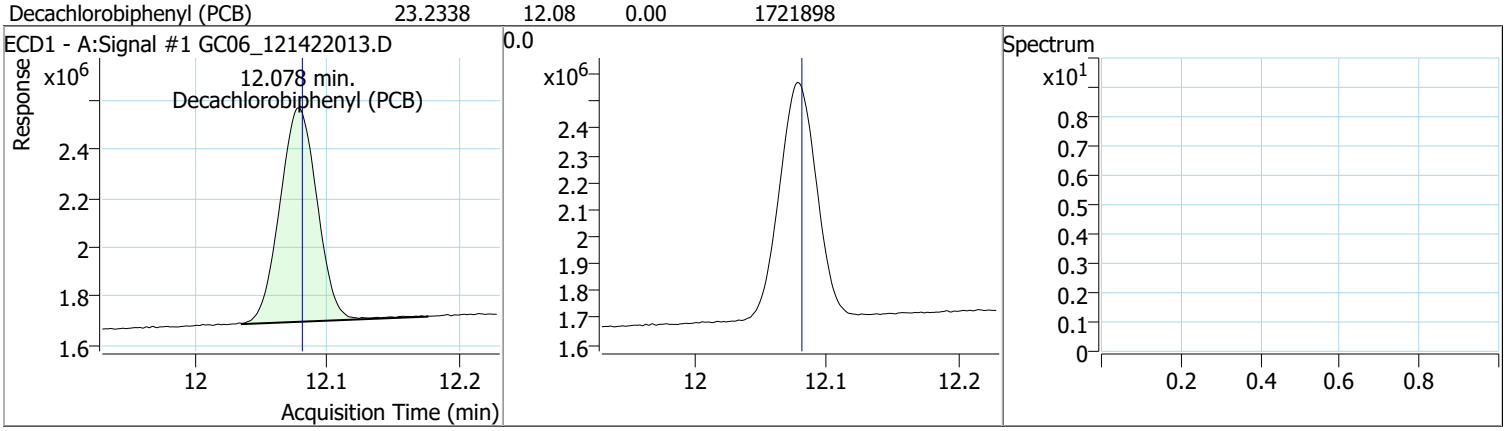
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	237.0624	11.12	0.00	3154572				



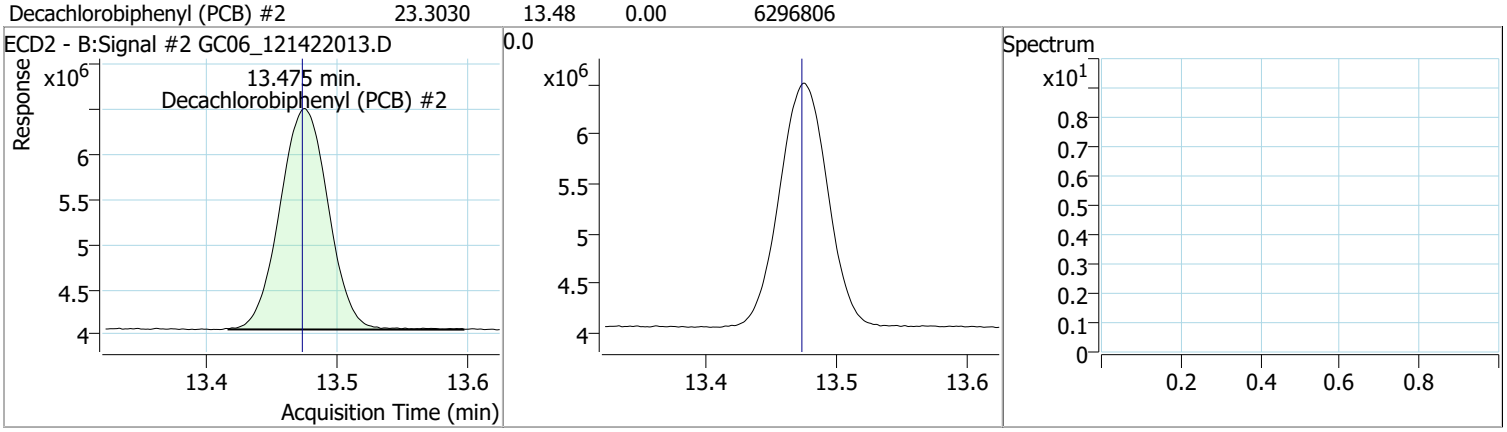
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	306.8221	11.38	0.00	5963045				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	23.2338	12.08	0.00	1721898				

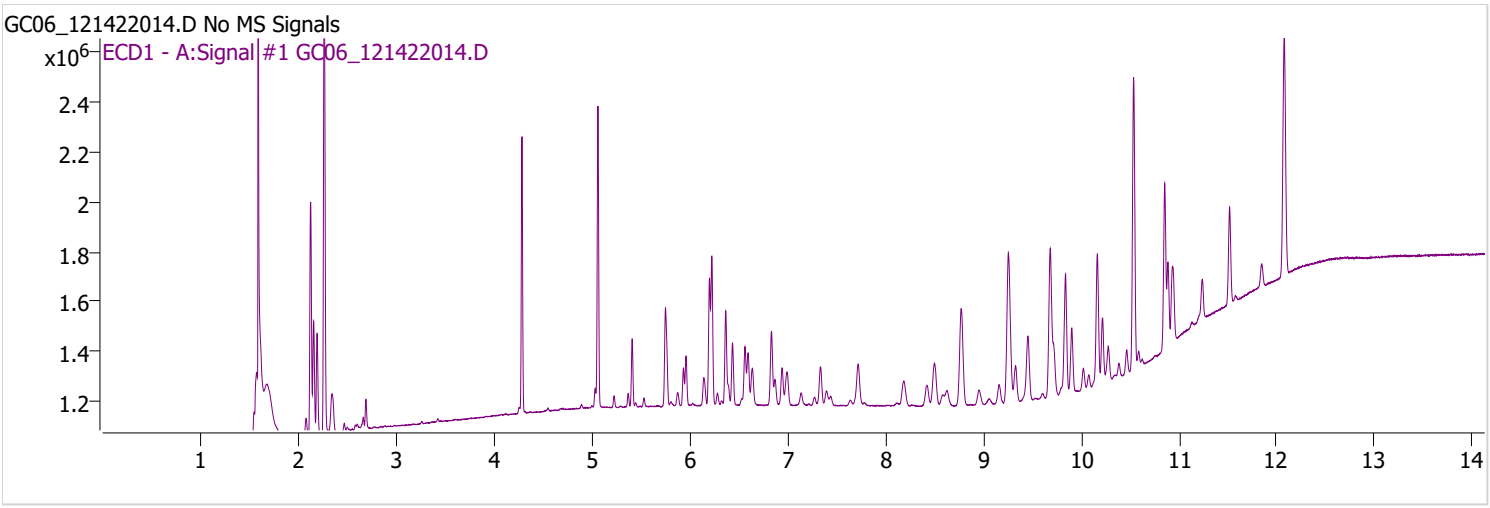


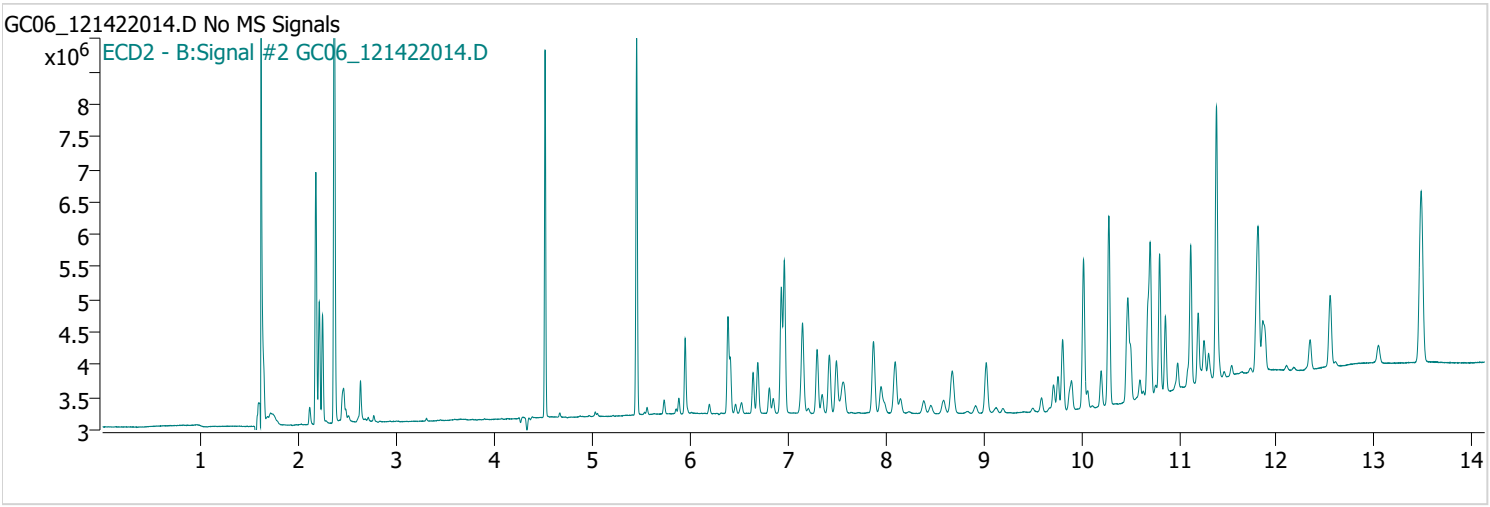
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	23.3030	13.48	0.00	6296806				



Quantitation Results Report (Not Reviewed)

Data File	GC06_121422014.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 4:03:07 PM
Sample Name	QC1031898, 303181, 1	Instrument	SVOA-GC06
Vial	3	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



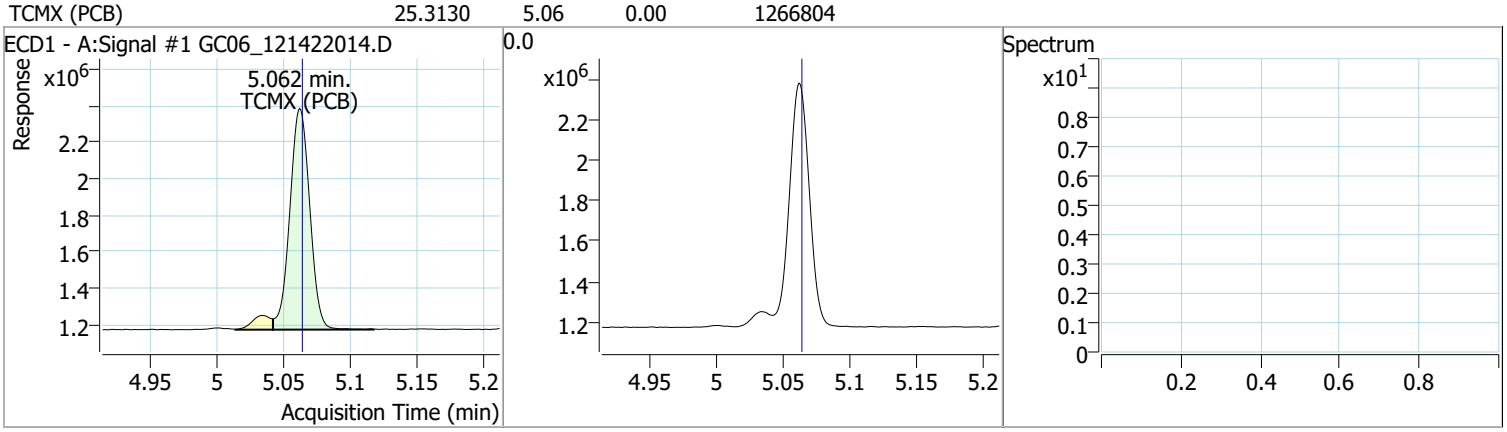


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.286	0.0	1040921.312	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	4956894.479	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.062	0.0	1266804.180	25.3130	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 126.56%		
S TCMX (PCB) #2	5.458	0.0	6133280.203	25.7644	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 128.82%		
S Decachlorobiphenyl (PCB)	12.075	0.0	1849438.131	24.9925	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 124.96%		
S Decachlorobiphenyl (PCB) #2	13.475	0.0	6725901.395	24.5634	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 122.82%		
Target Compounds						QValue

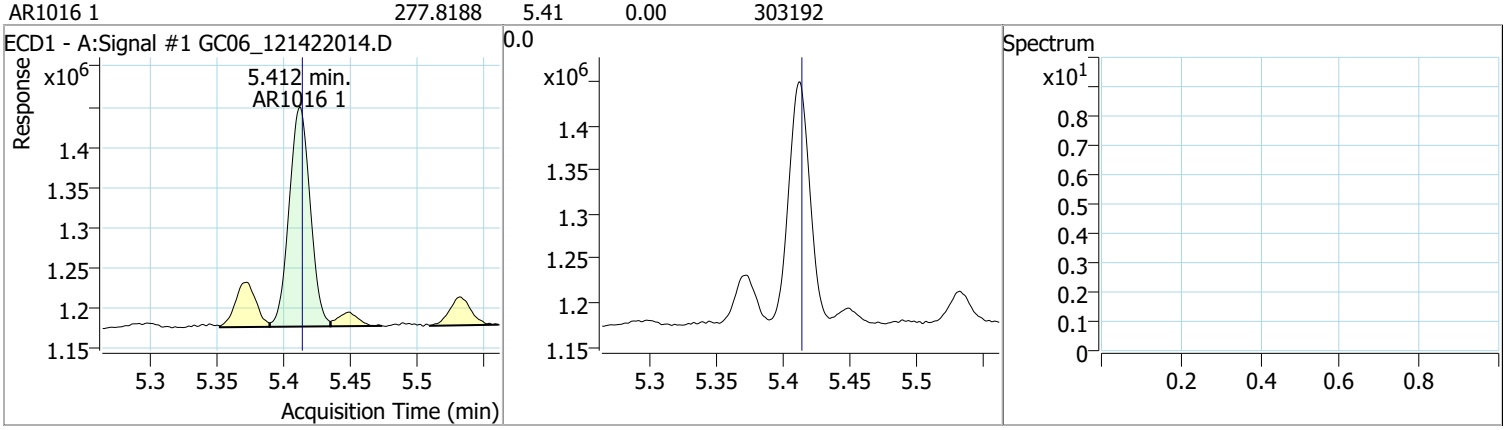
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.412	0.0	303192.301	277.8188	ng/ml	100
T AR1016 2	5.753	0.0	666106.245	291.5795	ng/ml	100
T AR1016 1 #2	5.953	0.0	1457167.691	282.8459	ng/ml	100
T AR1016 3	6.226	0.0	788688.436	285.0371	ng/ml	100
T AR1016 4	6.368	0.0	595555.871	282.9986	ng/ml	100
T AR1016 2 #2	6.391	0.0	3137905.214	421.9390	ng/ml	100
T AR1016 5	6.565	0.0	380016.636	224.1932	ng/ml	100
T AR1016 3 #2	6.967	0.0	3730361.063	276.0603	ng/ml	100
T AR1016 4 #2	7.153	0.0	2729409.407	282.9299	ng/ml	100
T AR1016 5 #2	7.302	0.0	1692766.125	215.8737	ng/ml	100
T AR1260 1	8.774	0.0	947407.308	269.1975	ng/ml	100
T AR1260 2	9.256	0.0	1463118.465	272.7585	ng/ml	100
T AR1260 3	9.684	0.0	1548382.122	276.1658	ng/ml	100
T AR1260 1 #2	10.024	0.0	3921100.827	265.8075	ng/ml	100
T AR1260 4	10.166	0.0	916262.678	293.9699	ng/ml	100
T AR1260 2 #2	10.283	0.0	4822258.258	272.0682	ng/ml	100
T AR1260 3 #2	10.705	0.0	5571917.657	248.3554	ng/ml	100
T AR1260 5	10.854	0.0	1032115.514	147.2573	ng/ml	100
T AR1260 4 #2	11.120	0.0	3446632.407	256.2524	ng/ml	100
T AR1260 5 #2	11.383	0.0	6905020.111	351.6911	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

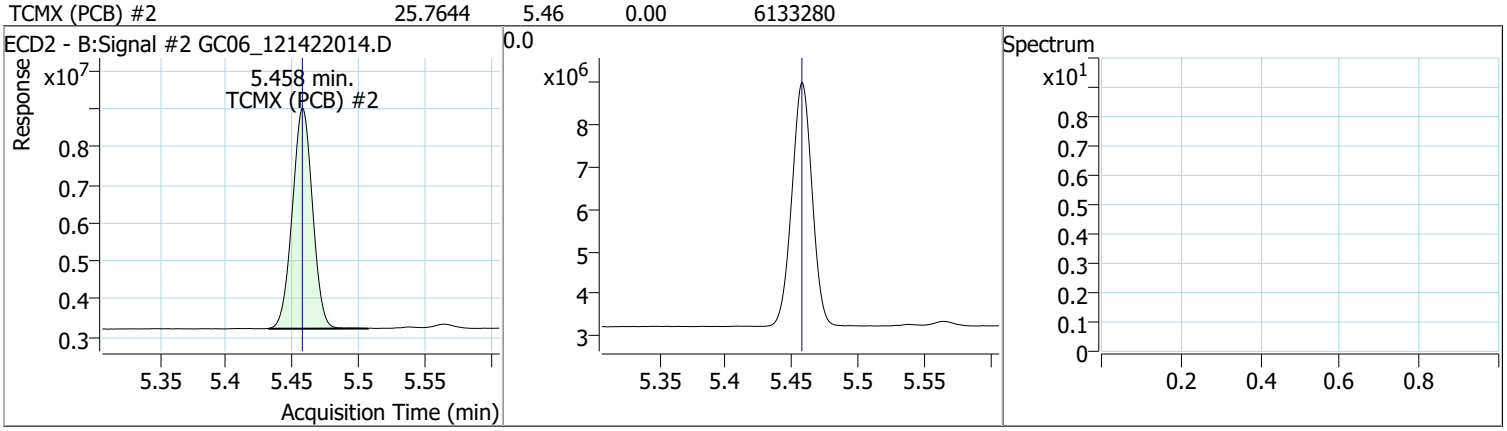
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	25.3130	5.06	0.00	1266804				



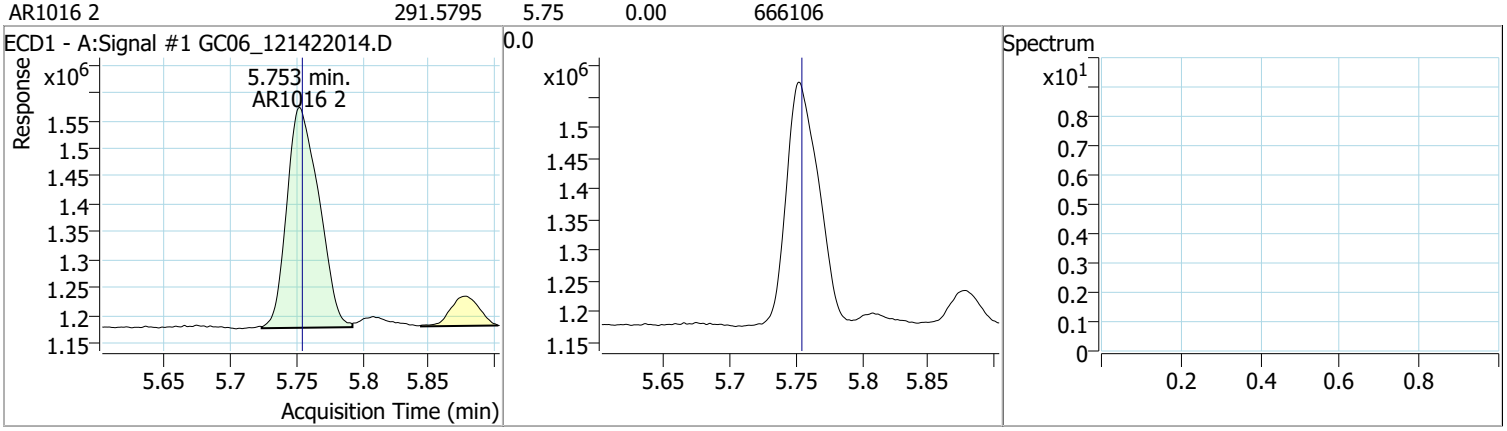
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	277.8188	5.41	0.00	303192				



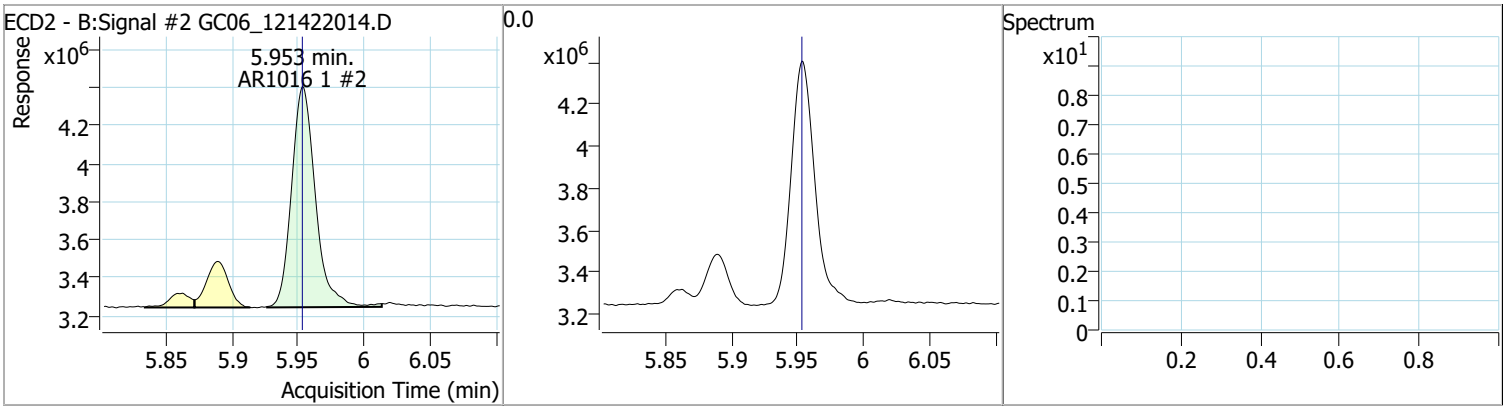
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	25.7644	5.46	0.00	6133280				



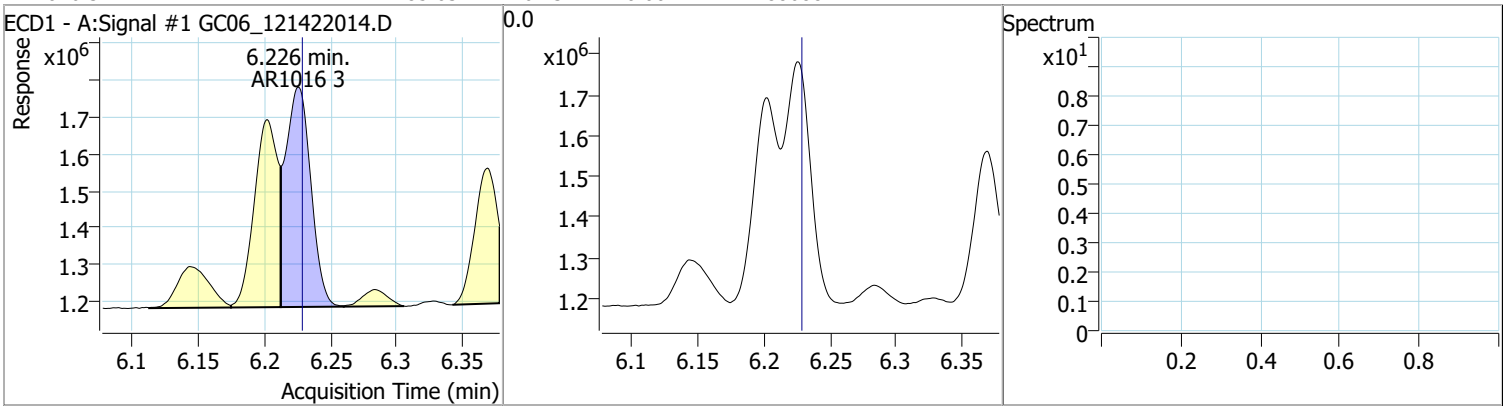
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	291.5795	5.75	0.00	666106				



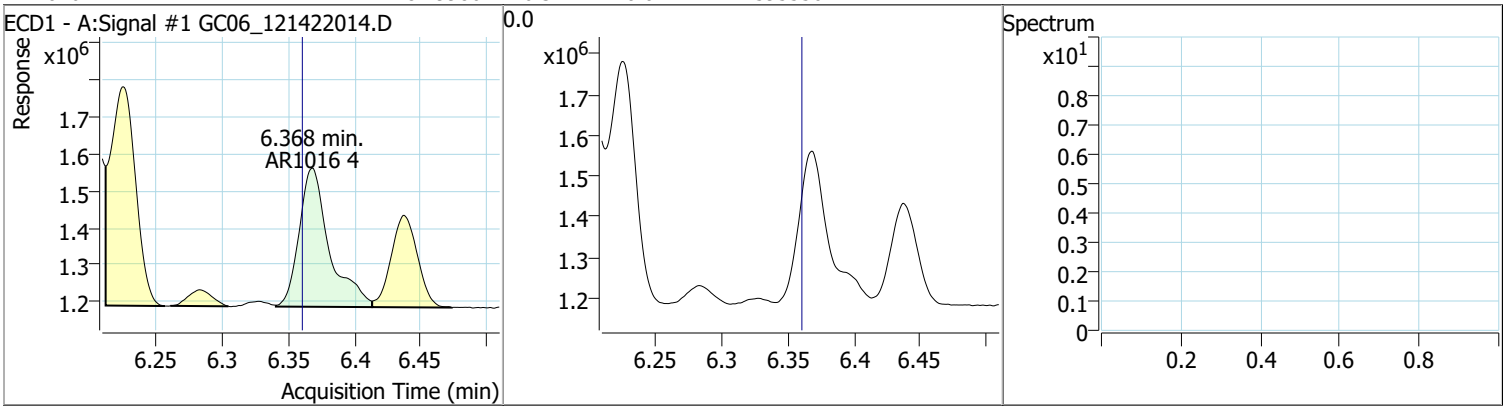
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	282.8459	5.95	0.00	1457168				



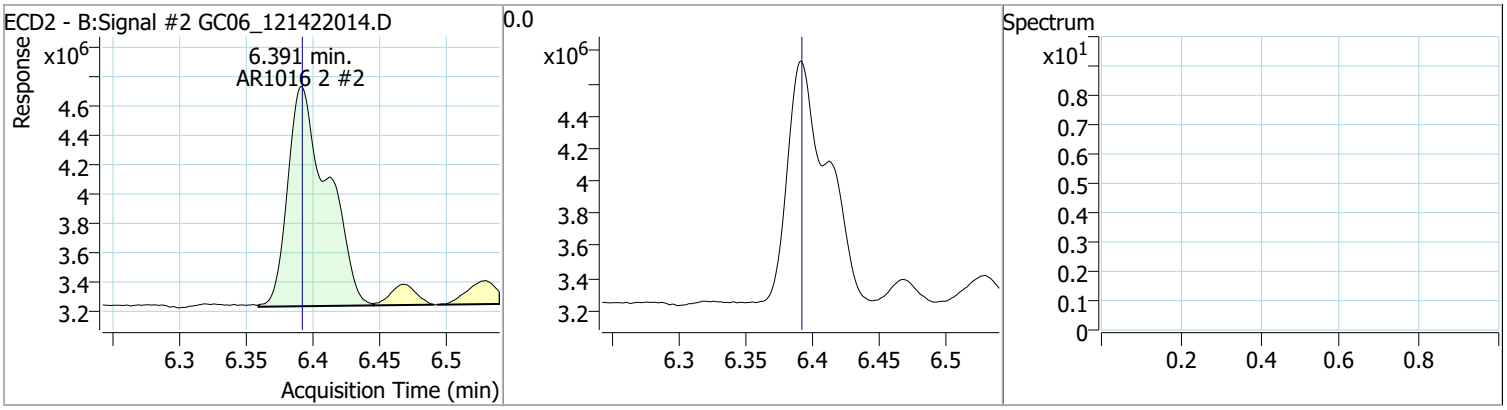
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	285.0371	6.23	0.00	788688				



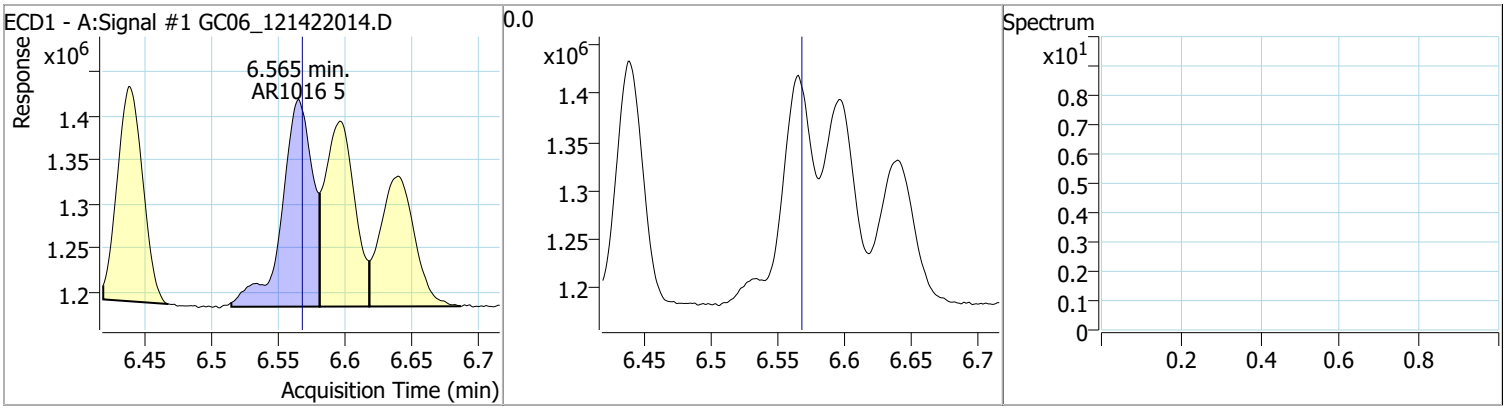
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	282.9986	6.37	0.01	595556				



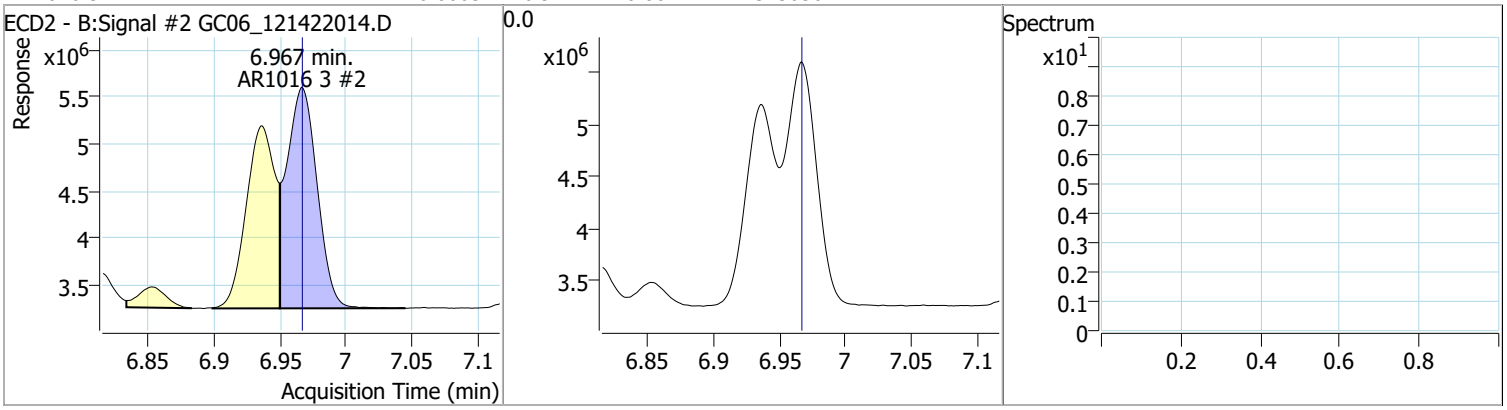
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	421.9390	6.39	0.00	3137905				



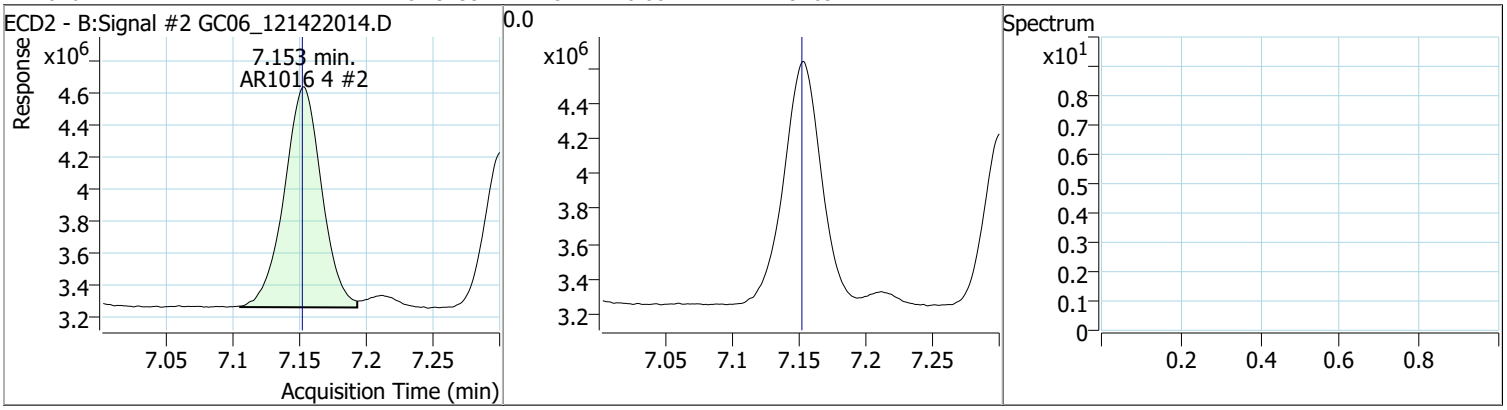
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	224.1932	6.57	0.00	380017				



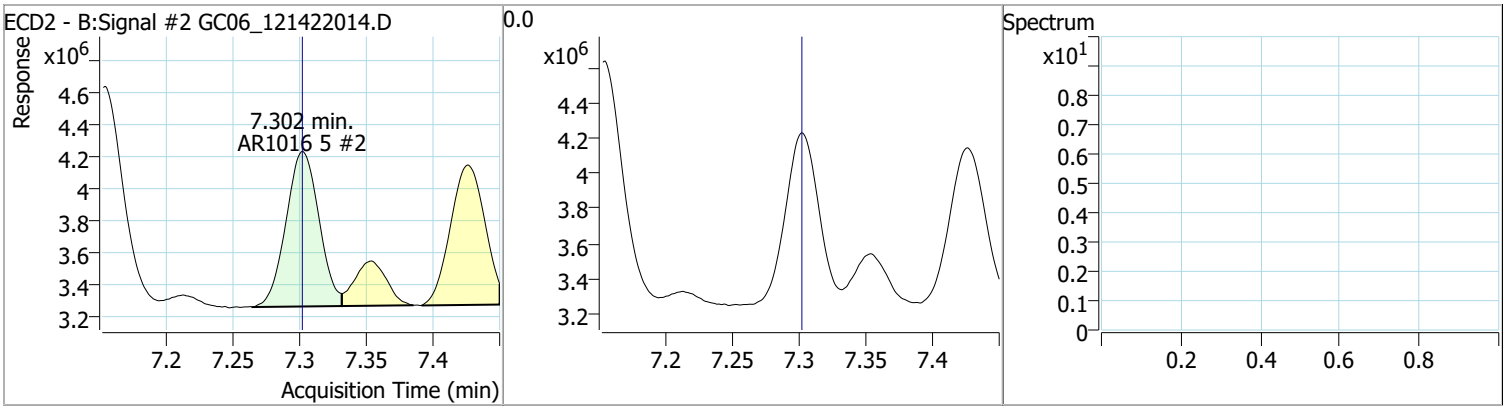
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	276.0603	6.97	0.00	3730361				



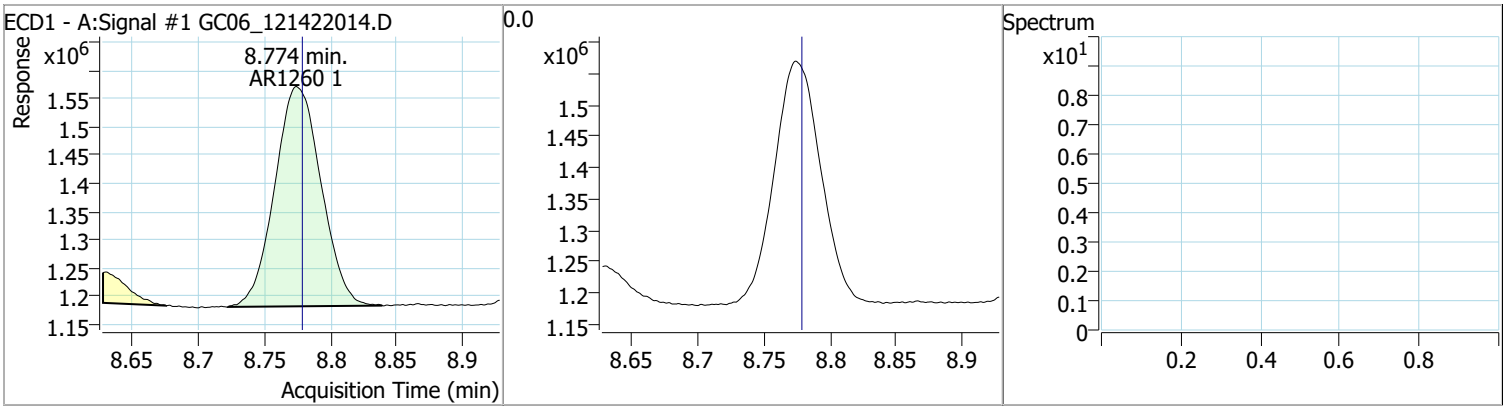
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	282.9299	7.15	0.00	2729409				



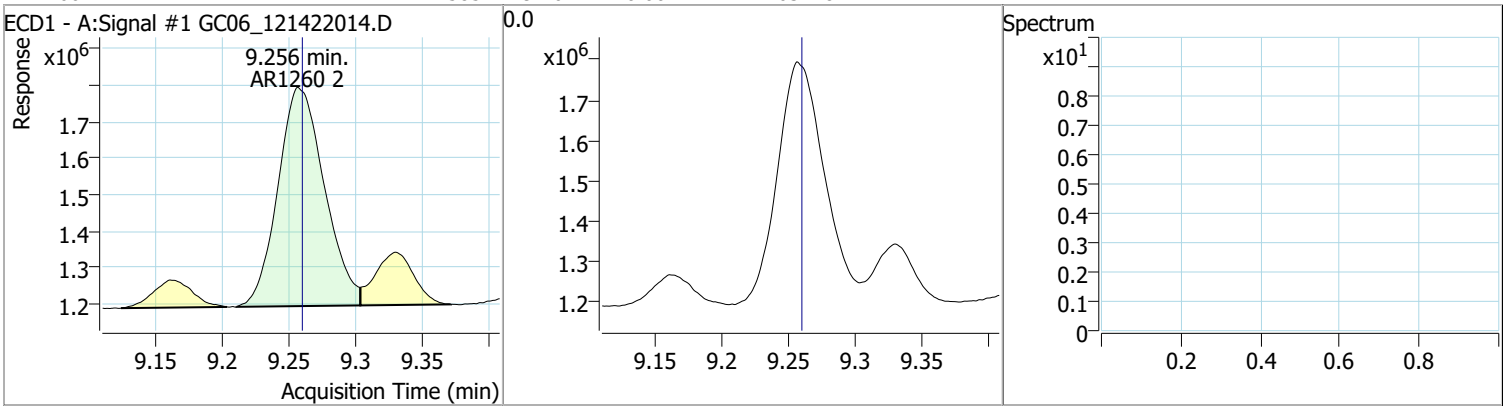
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	215.8737	7.30	0.00	1692766				



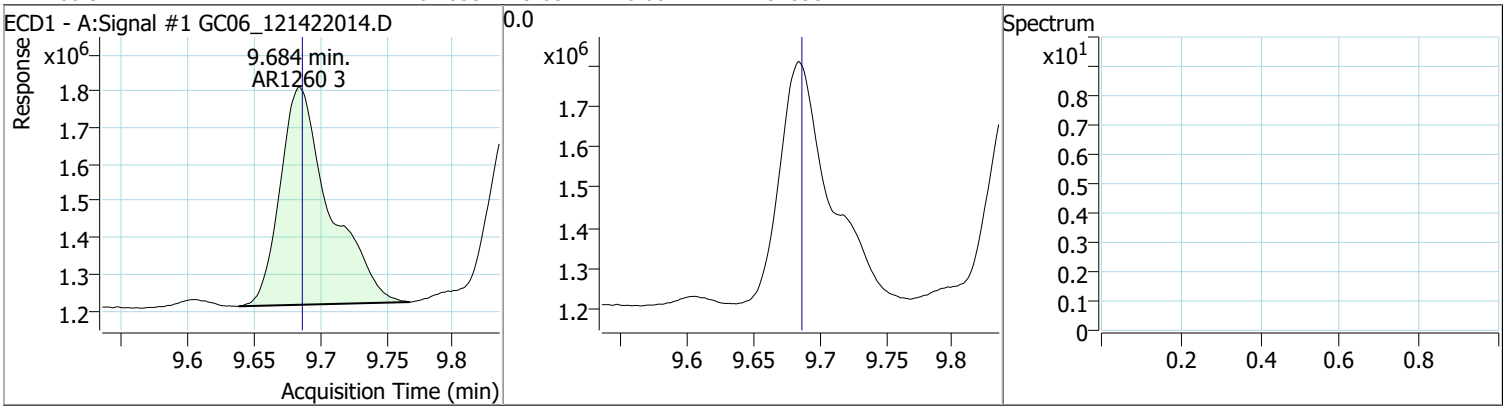
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	269.1975	8.77	0.00	947407				



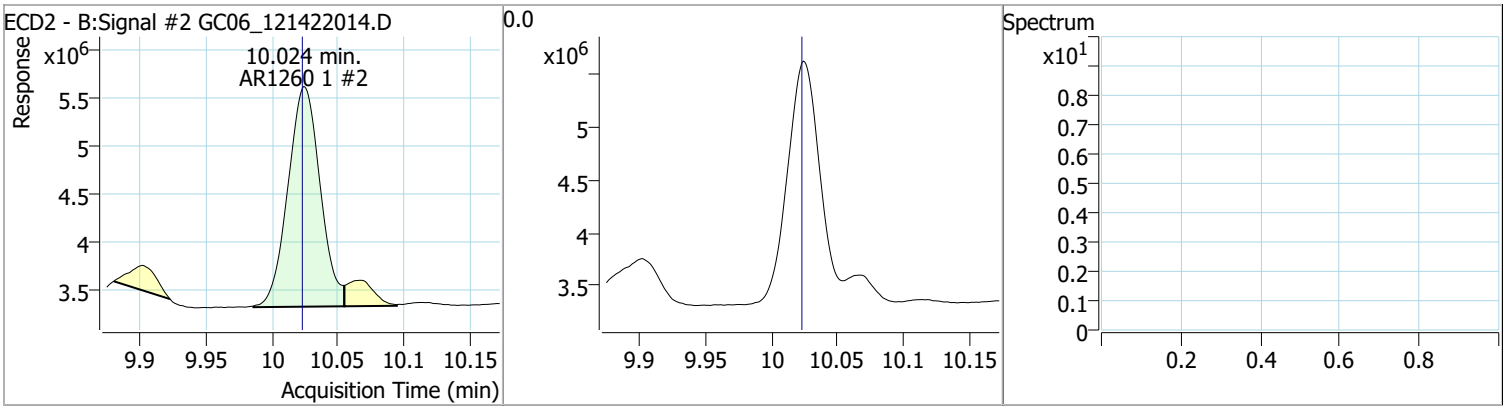
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	272.7585	9.26	0.00	1463118				



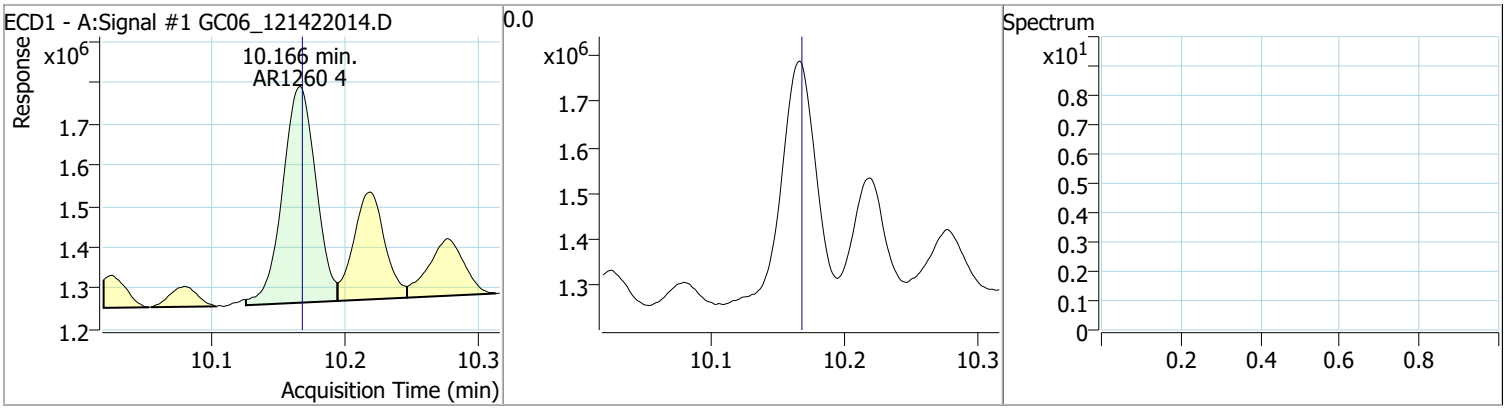
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	276.1658	9.68	0.00	1548382				



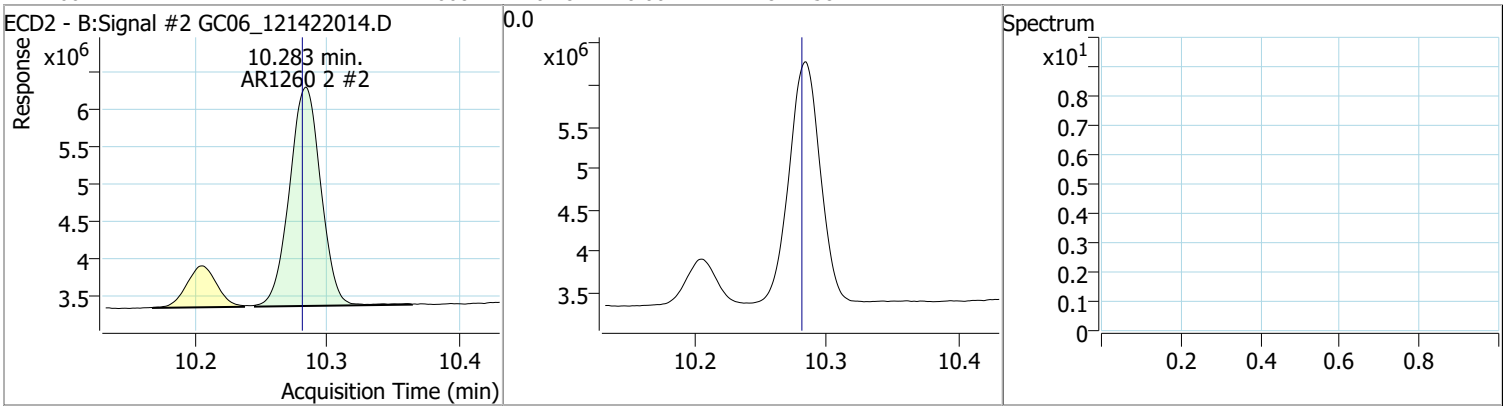
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	265.8075	10.02	0.00	3921101				



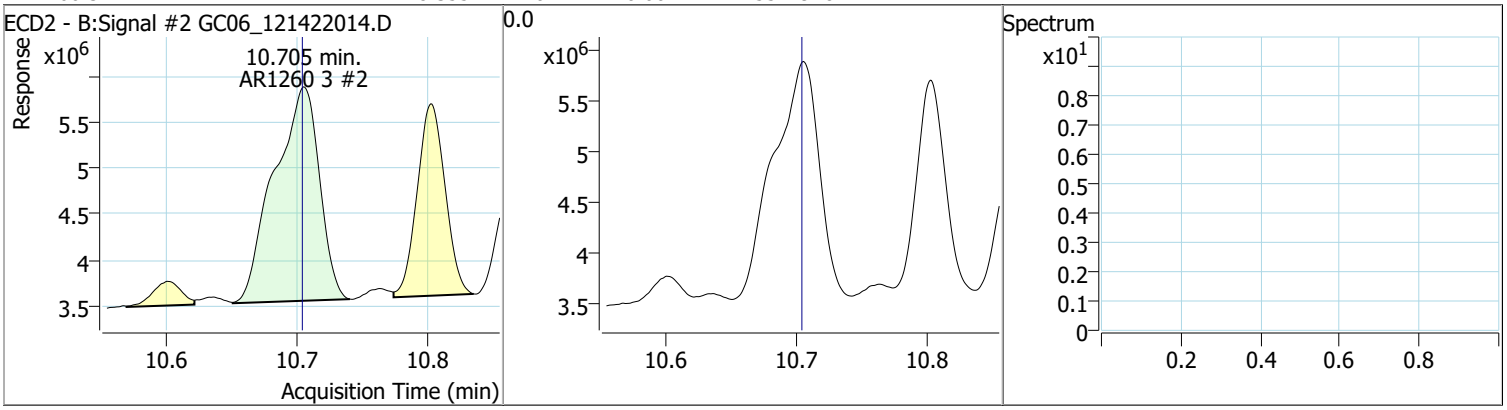
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	293.9699	10.17	0.00	916263				



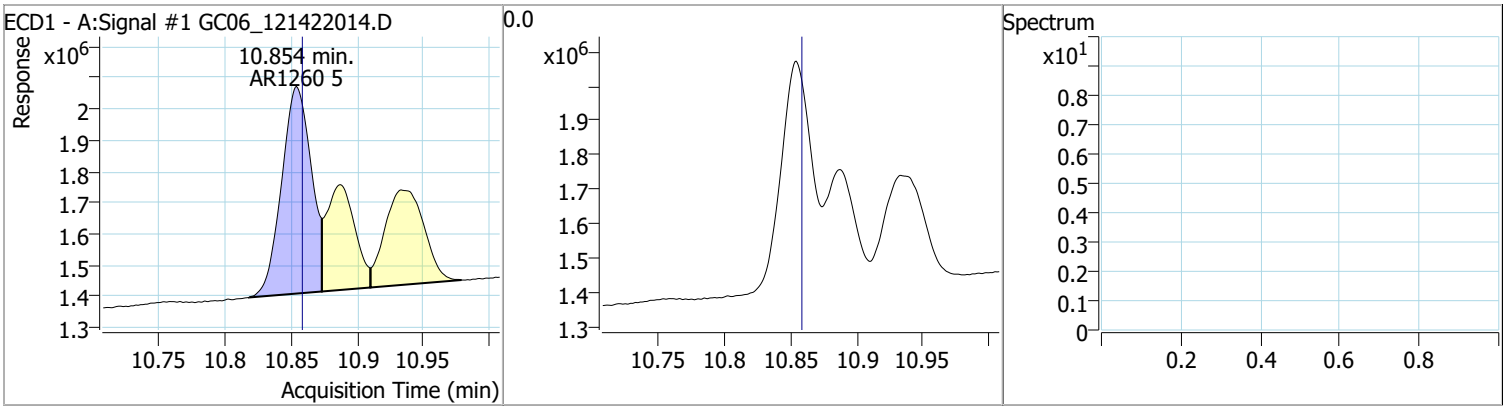
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	272.0682	10.28	0.00	4822258				



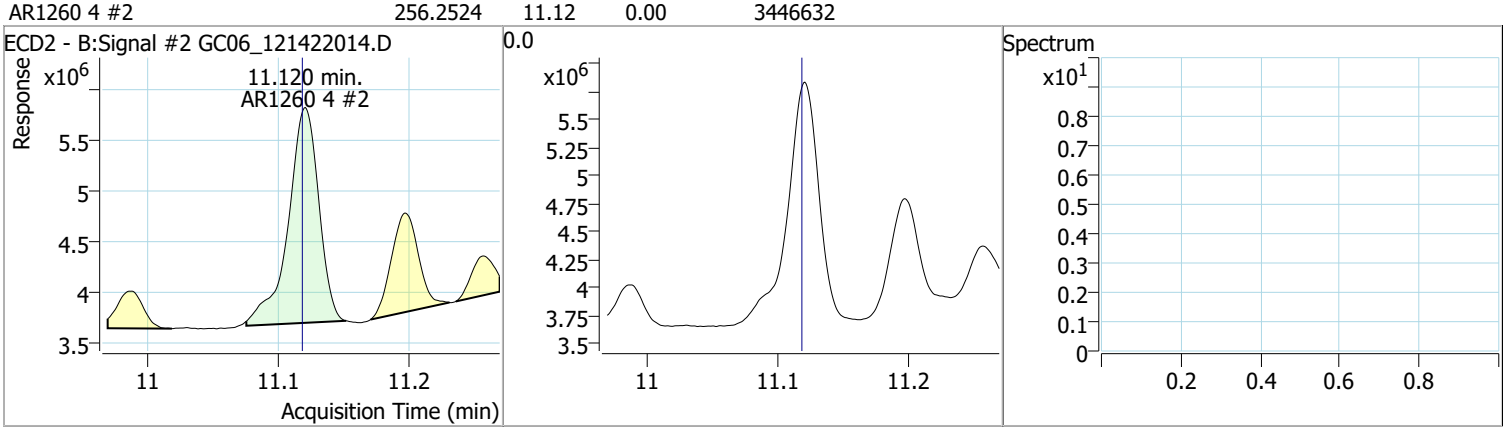
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	248.3554	10.71	0.00	5571918				



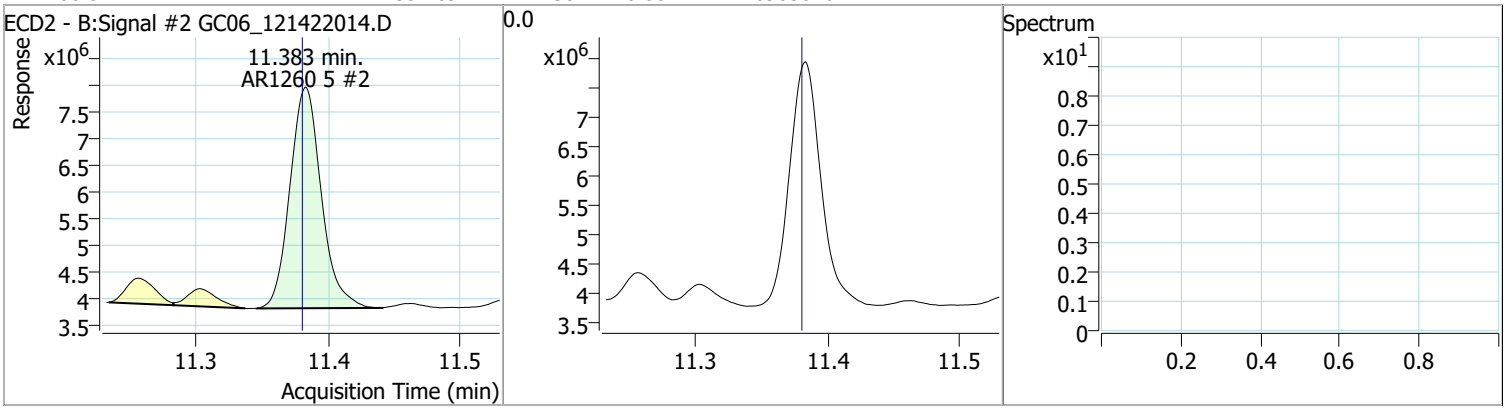
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	147.2573	10.85	0.00	1032116				



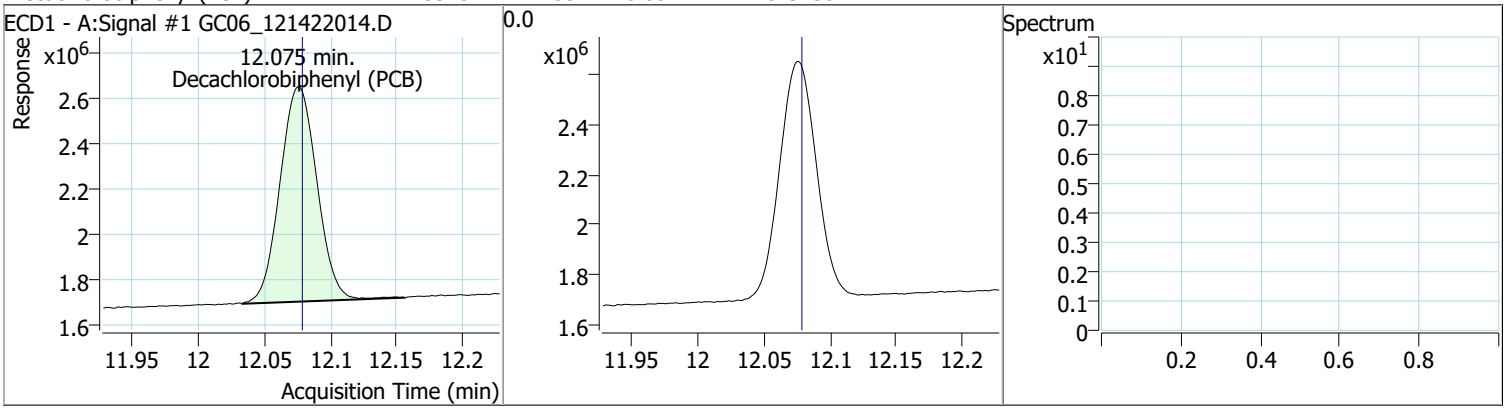
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	256.2524	11.12	0.00	3446632				



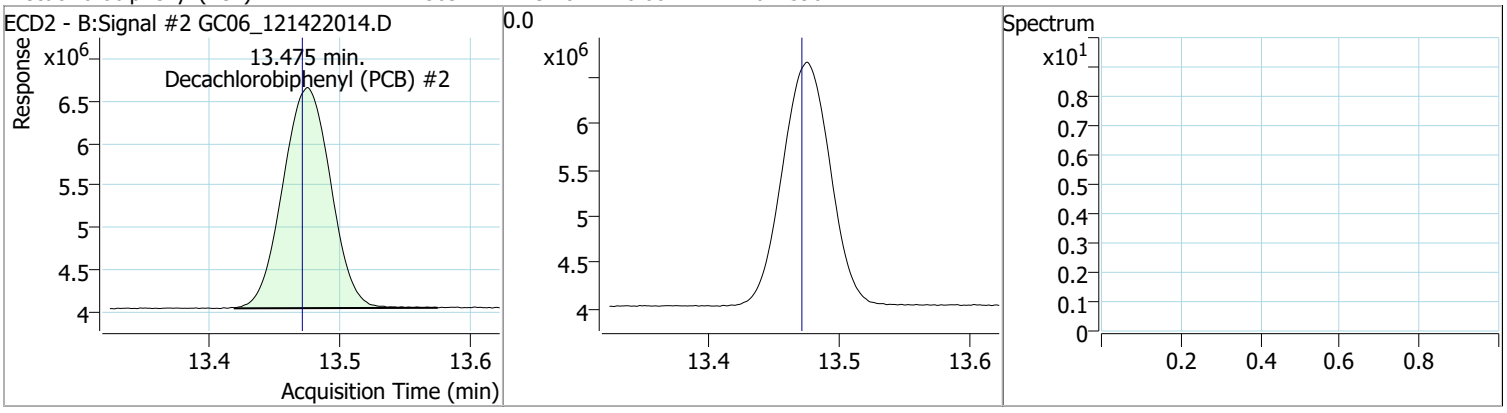
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	351.6911	11.38	0.00	6905020				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	24.9925	12.08	0.00	1849438				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	24.5634	13.48	0.00	6725901				



ENTHALPY SPIKE USER REPORT FOR 474716 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC06	Inst:	SVOA-GC06
Seqnum:	452501809042.3	Seqnum:	452501809043.3
File:	gc06_121422042	File:	gc06_121422043
IDF:	1.0	IDF:	1.0
Lab ID:	QC1031900	Lab ID:	QC1031901
Matrix:	Wipe	Matrix:	Wipe
Batch:	303182	Batch:	303182
Time:	15-DEC-2022 00:36	Time:	15-DEC-2022 00:54
Cal:	452428510002	Cal:	452428510002
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	391.0	3.910	B	78	467.2	4.672	B	93	60-140	18	20	u
Aroclor-1016 Peak # 1		370.1	3.701	B		445.1	4.451	B					
Aroclor-1016 Peak # 2		543.6	5.436	B		643.7	6.437	B					
Aroclor-1016 Peak # 3		385.9	3.859	B		449.3	4.493	B					
Aroclor-1016 Peak # 4		367.1	3.671	B		445.6	4.456	B					
Aroclor-1016 Peak # 5		288.1	2.881	B		352.4	3.524	B					
Aroclor-1260	5.000	378.0	3.780	B	76	446.8	4.468	B	89	60-140	17	20	u
Aroclor-1260 Peak # 1		355.5	3.555	B		429.7	4.297	B					
Aroclor-1260 Peak # 2		357.8	3.578	B		436.5	4.365	B					
Aroclor-1260 Peak # 3		340.3	3.403	B		407.1	4.071	B					
Aroclor-1260 Peak # 4		348.3	3.483	B		378.5	3.785	B					
Aroclor-1260 Peak # 5		488.1	4.881	B		582.2	5.822	B					
Surrogates													
TCMX (PCB)	0.5000	37.12	0.3712	B	74	45.52	0.4552	B	91	52-121			u
Decachlorobiphenyl (PCB)	0.5000	31.71	0.3171	B	63	39.43	0.3943	B	79	60-121			c+ u

ISTD (CCV gc06_121422036)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5560467	5715755	2.79
1-bromo-2-nitrobenzene (PCB)	A	1170615	1210075	3.37

ISTD (CCV gc06_121422036)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

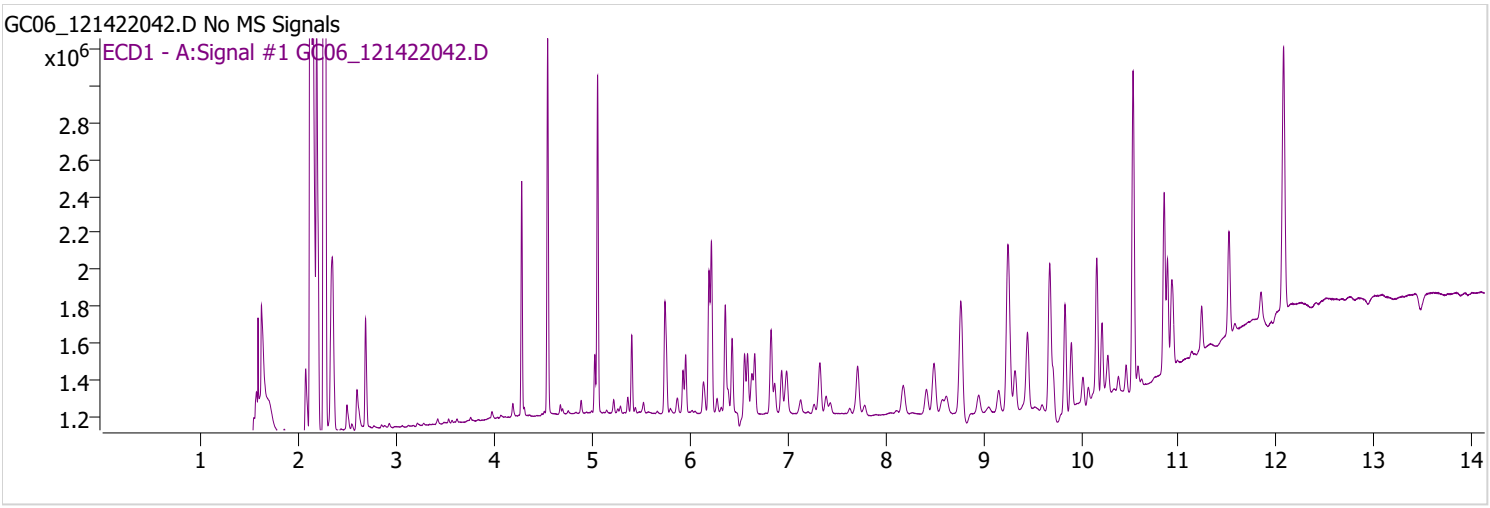
ISTD (CCV gc06_121422036)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5560467	5420568	-2.52
1-bromo-2-nitrobenzene (PCB)	A	1170615	1156450	-1.21

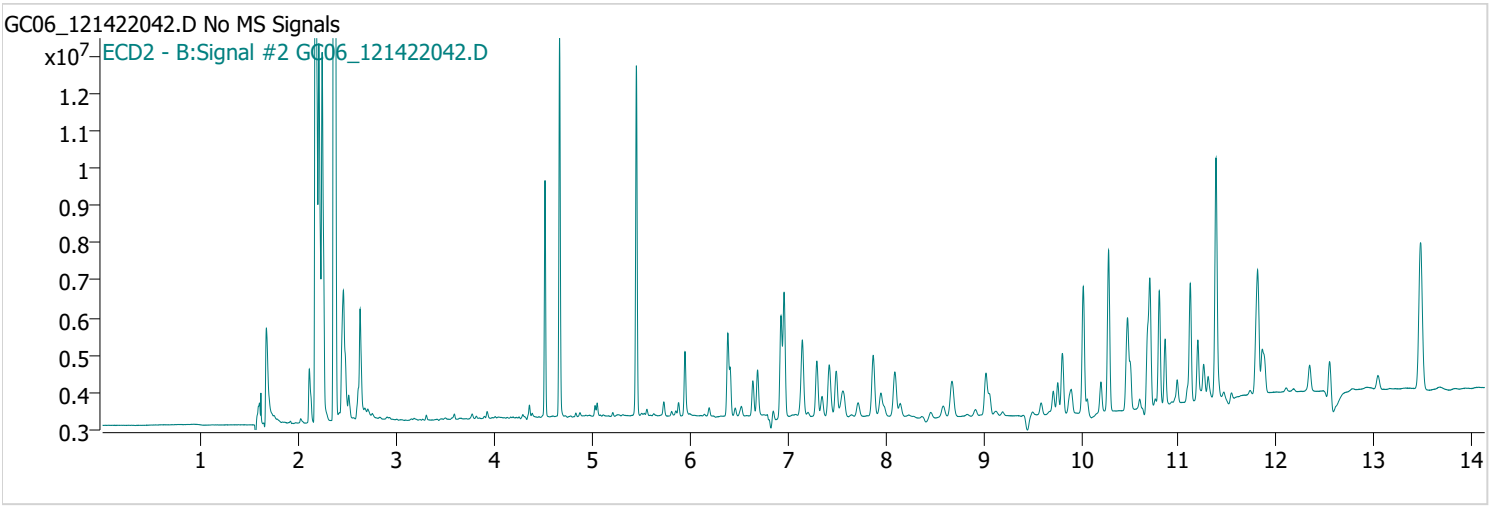
ISTD (CCV gc06_121422036)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.52	4.52	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

Analyst: TRN 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422042.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 12:36:27 AM
Sample Name	QC1031900, 303182, 1	Instrument	SVOA-GC06
Vial	25	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



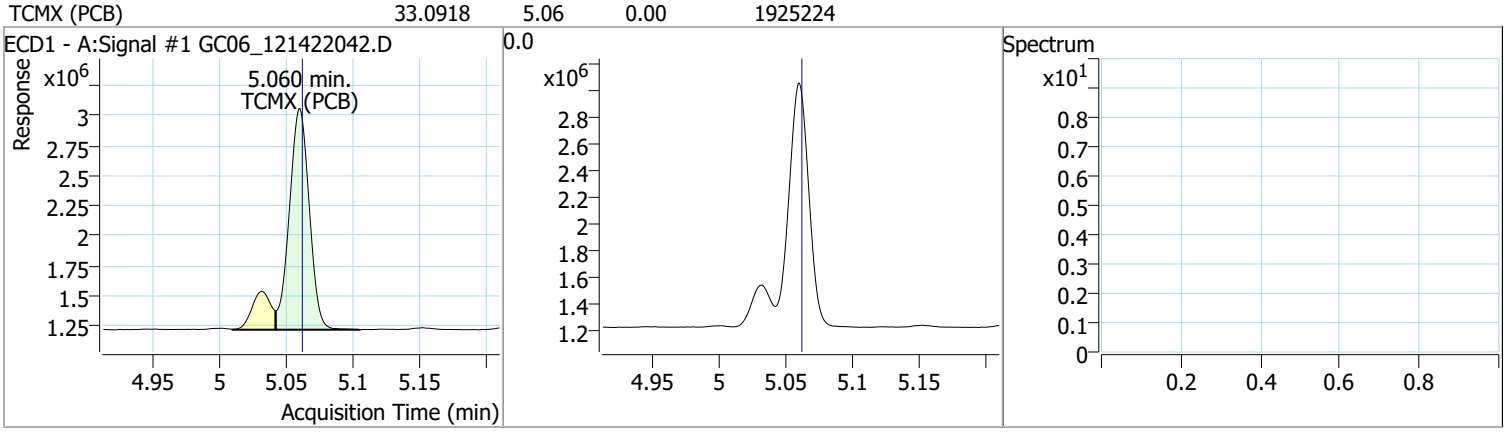


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	1210074.998	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.523	0.0	5715755.202	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.060	0.0	1925223.577	33.0918	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 165.46%		*	
S TCMX (PCB) #2	5.456	0.0	10189302.759	37.1200	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 185.60%		*	
S Decachlorobiphenyl (PCB)	12.071	0.0	2926877.805	35.5854	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 177.93%		*	
S Decachlorobiphenyl (PCB) #2	13.471	0.0	9833233.023	31.7099	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 158.55%		*	
Target Compounds							QValue

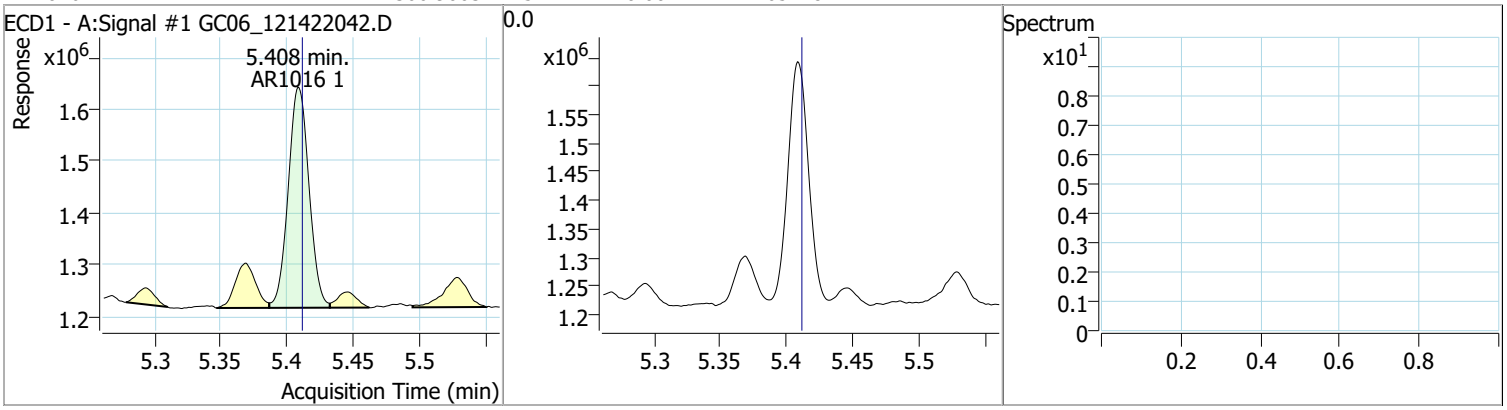
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.408	0.0	465477.927	366.9003	ng/ml	100
T AR1016 2	5.748	0.0	1020425.106	389.1285	ng/ml	100
T AR1016 1 #2	5.953	0.0	2198877.668	370.1497	ng/ml	100
T AR1016 3	6.223	0.0	1245519.407	387.2149	ng/ml	100
T AR1016 4	6.365	0.0	376239.535	153.7913	ng/ml	100
T AR1016 2 #2	6.391	0.0	4661818.496	543.6273	ng/ml	100
T AR1016 5	6.562	0.0	585796.369	297.2843	ng/ml	100
T AR1016 3 #2	6.965	0.0	6012953.389	385.9019	ng/ml	100
T AR1016 4 #2	7.152	0.0	4083268.268	367.0744	ng/ml	100
T AR1016 5 #2	7.301	0.0	2605202.232	288.1245	ng/ml	100
T AR1260 1	8.772	0.0	1830639.307	447.4481	ng/ml	100
T AR1260 2	9.253	0.0	2273201.933	364.5377	ng/ml	100
T AR1260 3	9.681	0.0	2141611.989	328.5778	ng/ml	100
T AR1260 1 #2	10.023	0.0	6047951.776	355.5524	ng/ml	100
T AR1260 4	10.162	0.0	1357037.587	378.7556	ng/ml	100
T AR1260 2 #2	10.282	0.0	7313390.417	357.8344	ng/ml	100
T AR1260 3 #2	10.703	0.0	8803945.250	340.3160	ng/ml	100
T AR1260 5	10.850	0.0	1573778.199	198.7922	ng/ml	100
T AR1260 4 #2	11.117	0.0	5281762.687	348.3372	ng/ml	100
T AR1260 5 #2	11.380	0.0	10894583.306	488.0912	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

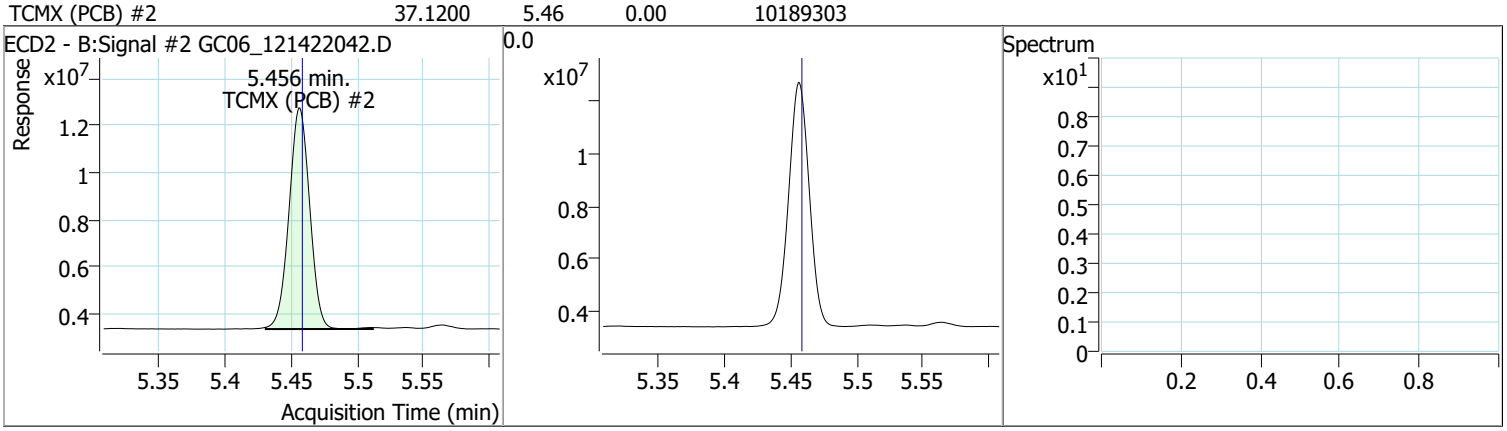
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	33.0918	5.06	0.00	1925224				



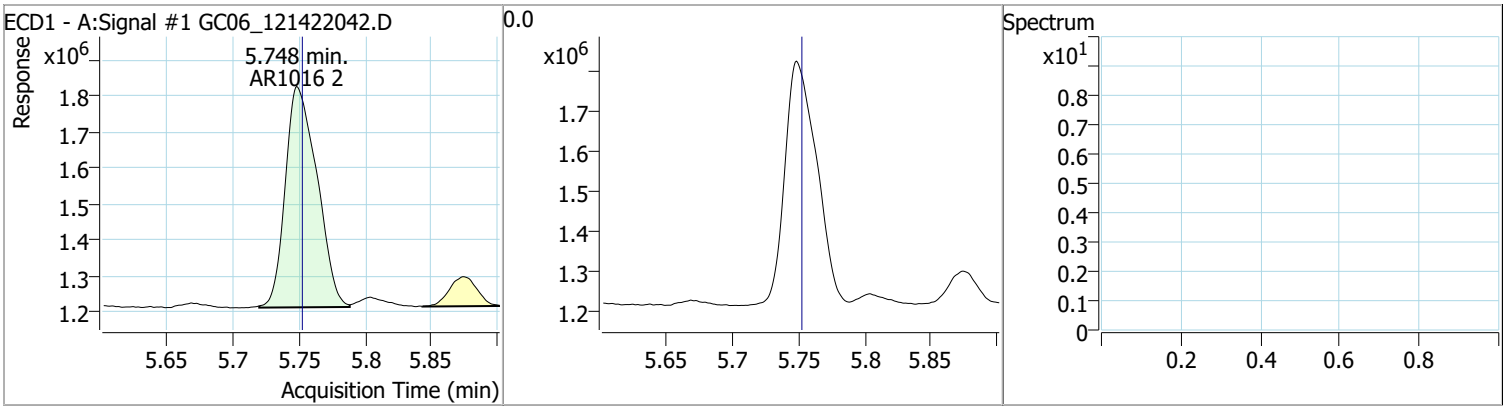
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	366.9003	5.41	0.00	465478				



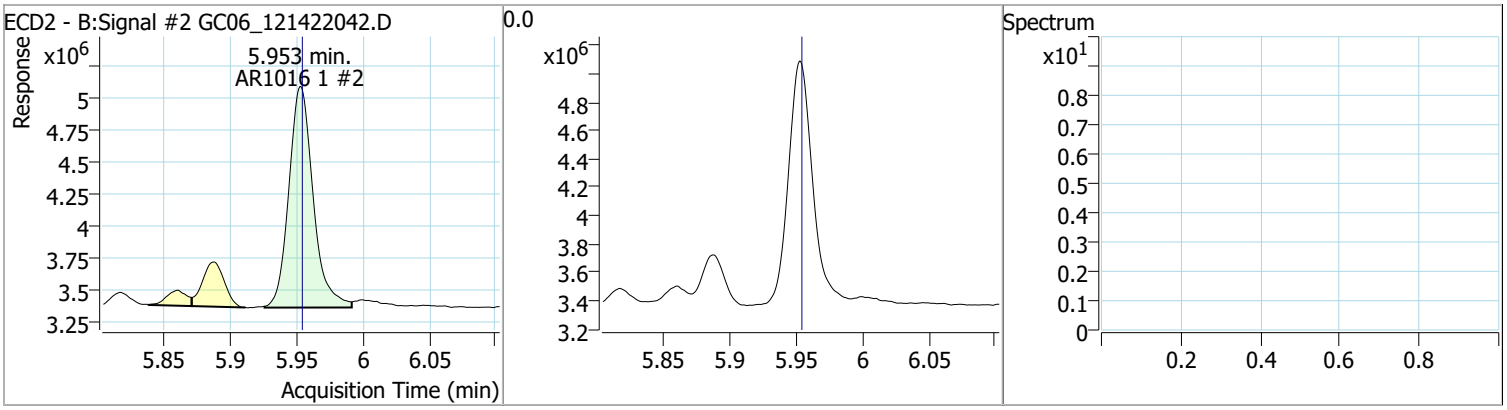
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.1200	5.46	0.00	10189303				



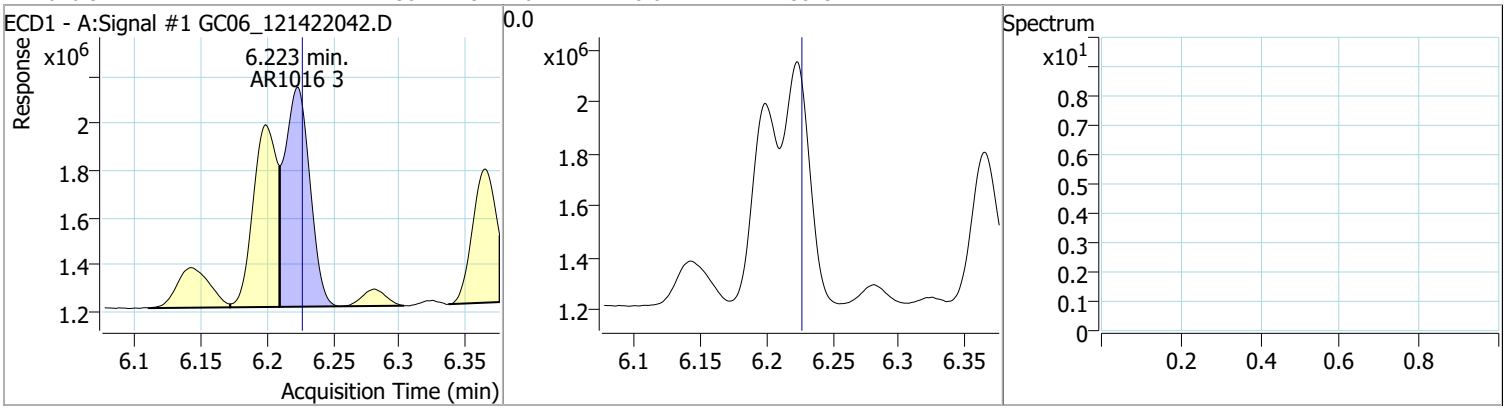
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	389.1285	5.75	-0.01	1020425				



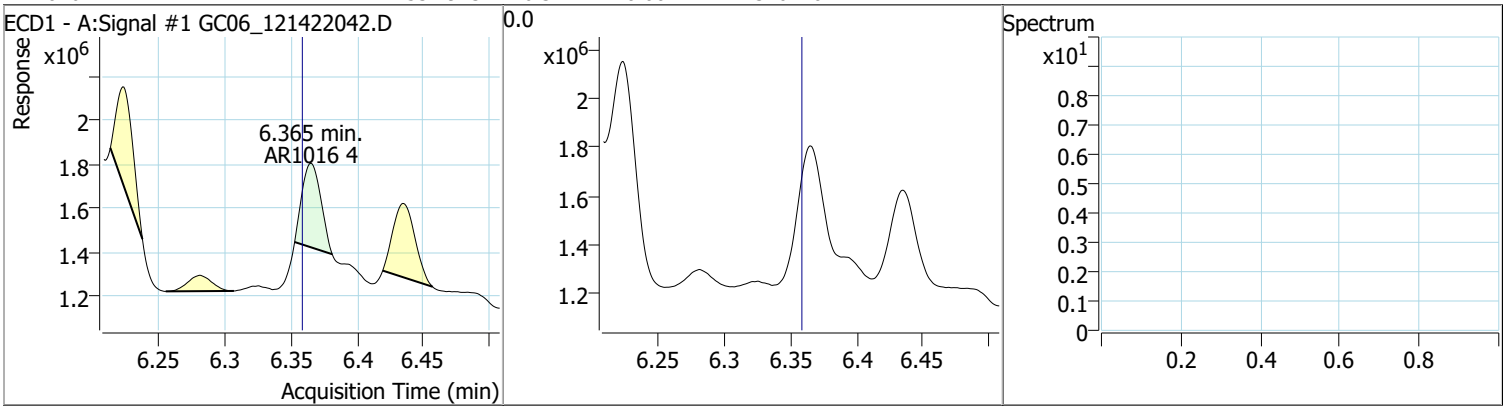
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	370.1497	5.95	0.00	2198878				



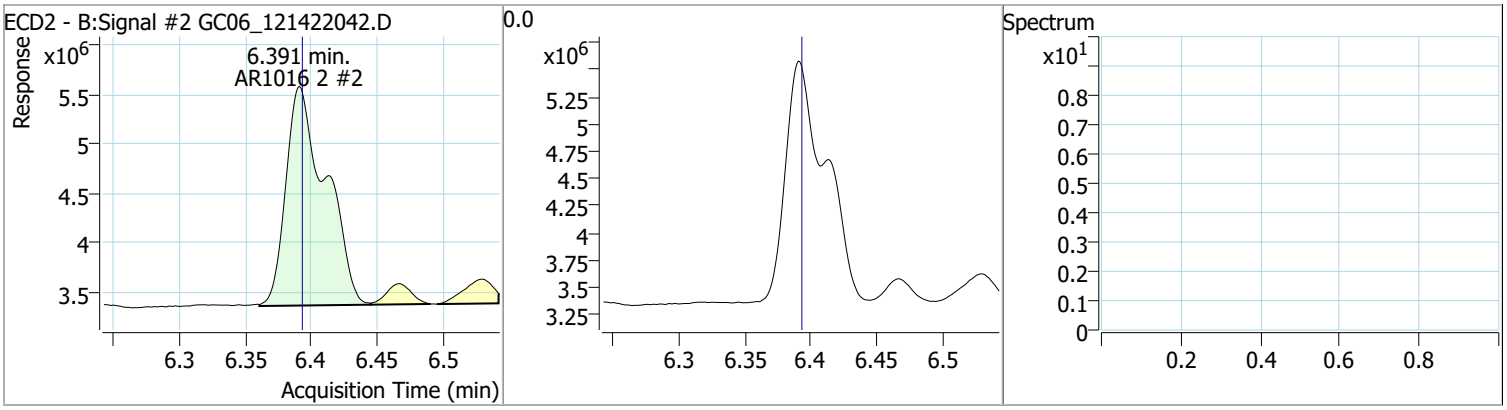
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	387.2149	6.22	-0.01	1245519				



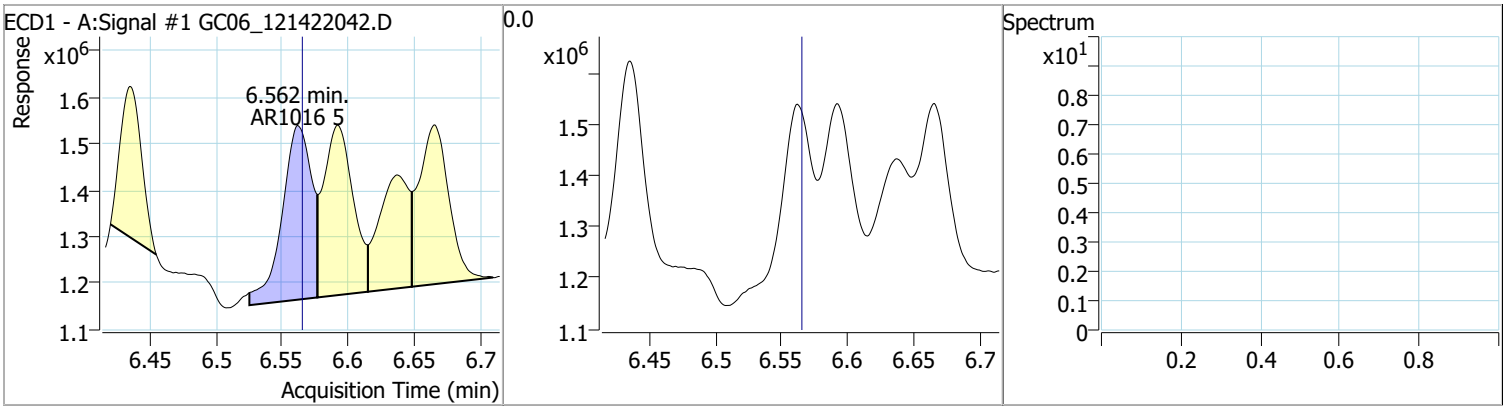
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	153.7913	6.37	0.00	376240				



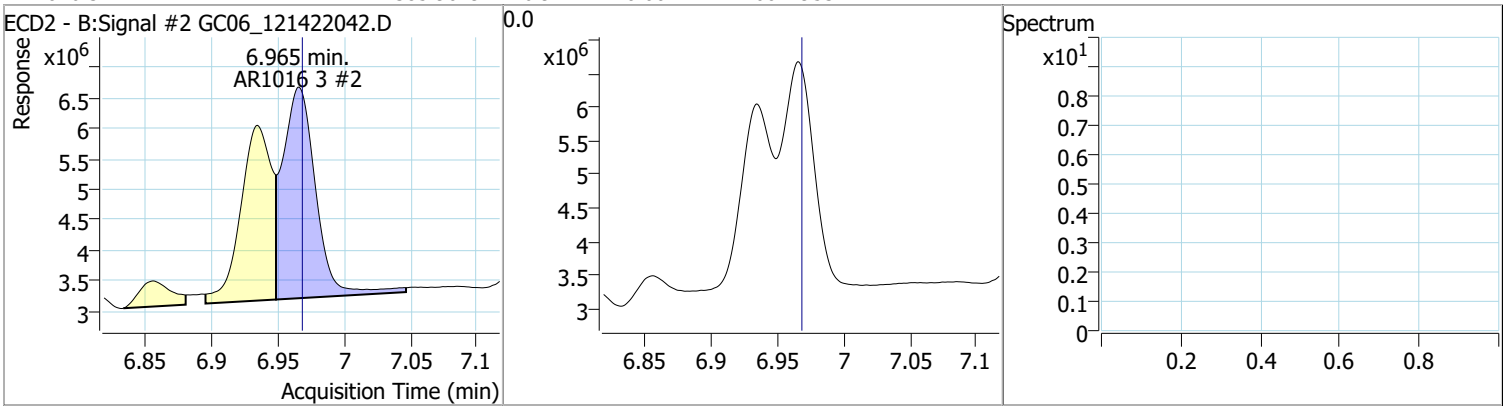
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	543.6273	6.39	0.00	4661818				



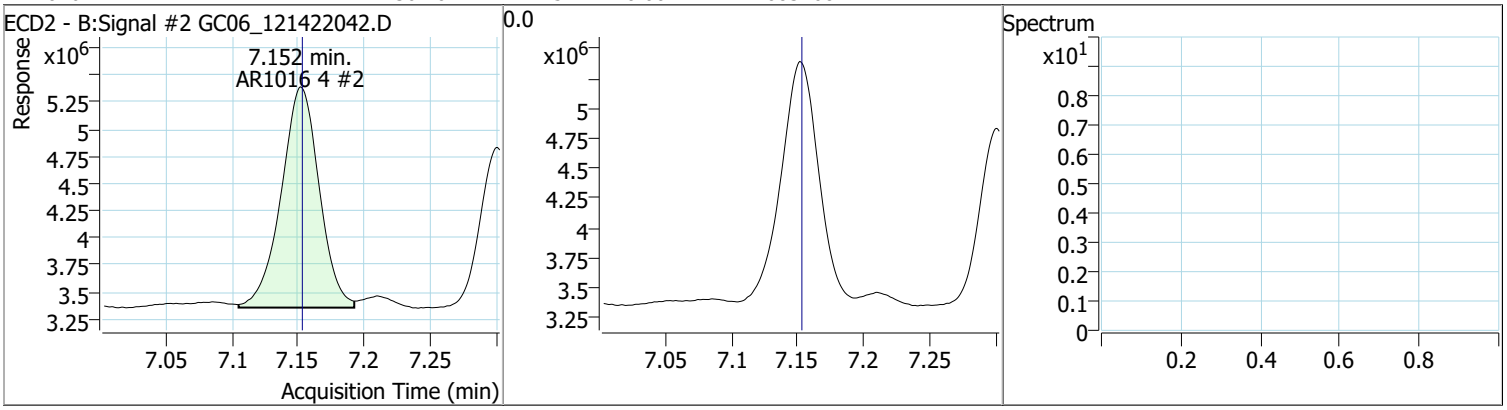
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	297.2843	6.56	-0.01	585796				



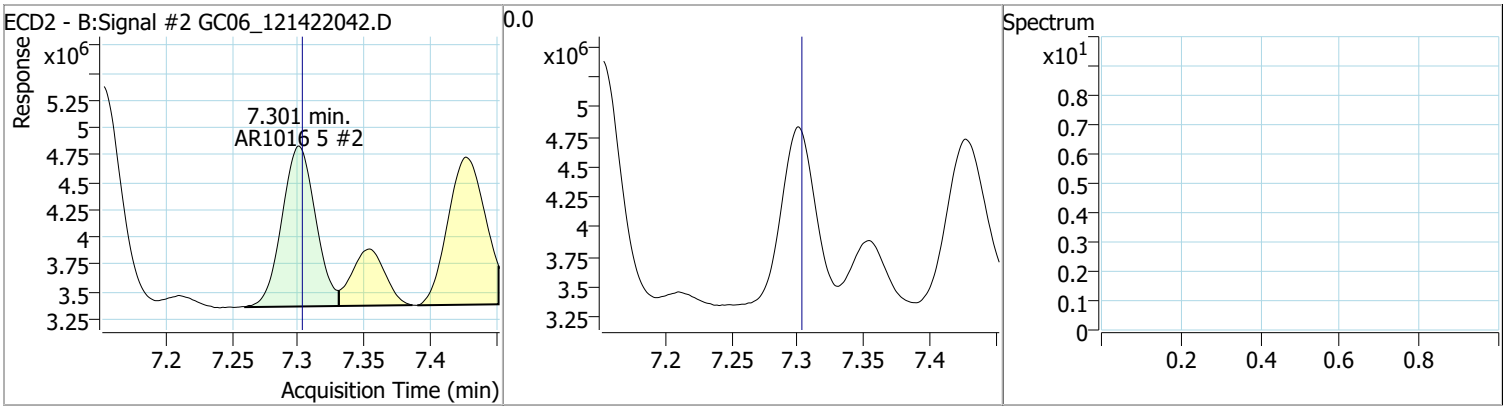
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	385.9019	6.97	0.00	6012953				



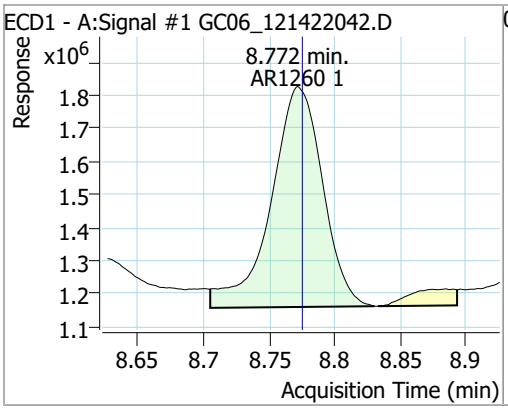
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	367.0744	7.15	0.00	4083268				

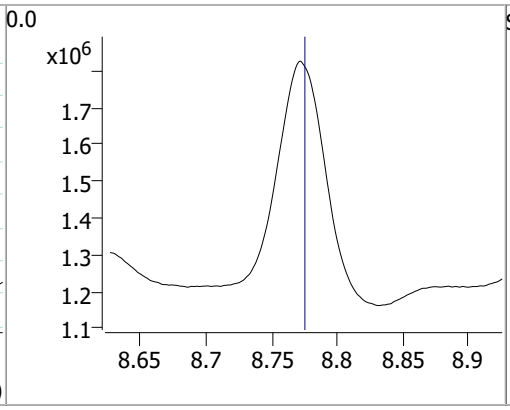


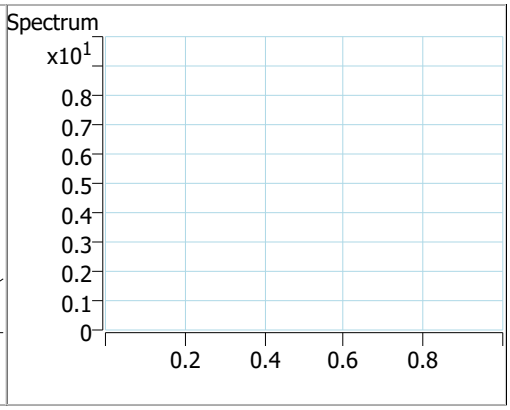
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	288.1245	7.30	0.00	2605202				



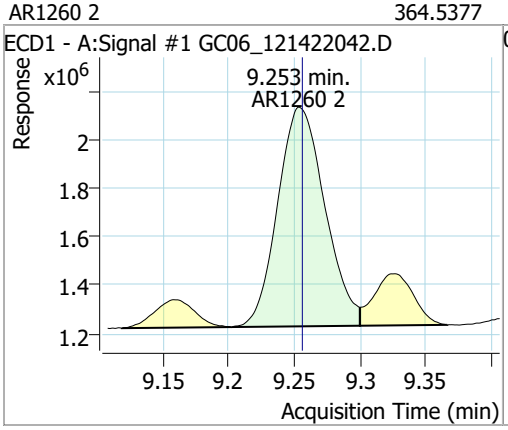
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	447.4481	8.77	-0.01	1830639				

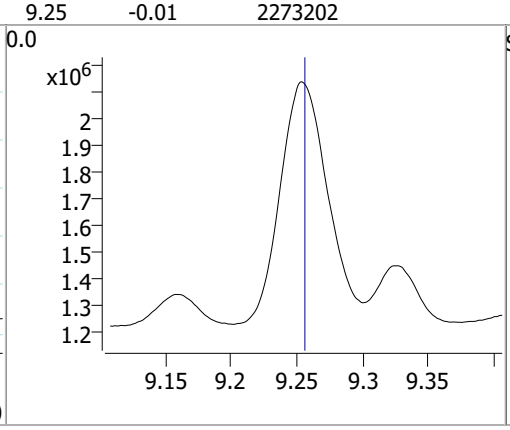


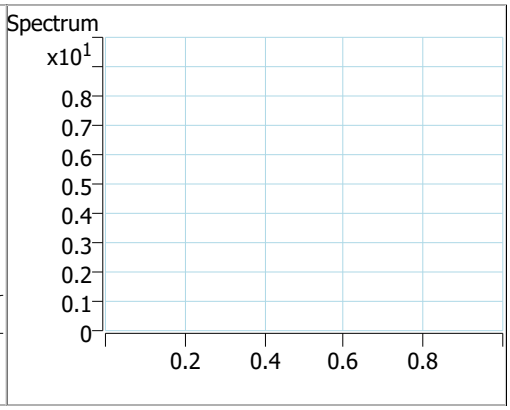




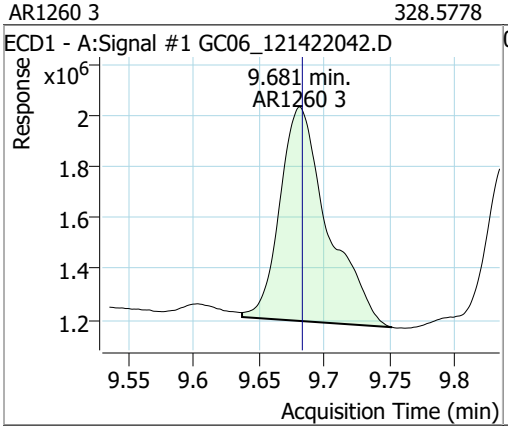
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	364.5377	9.25	-0.01	2273202				

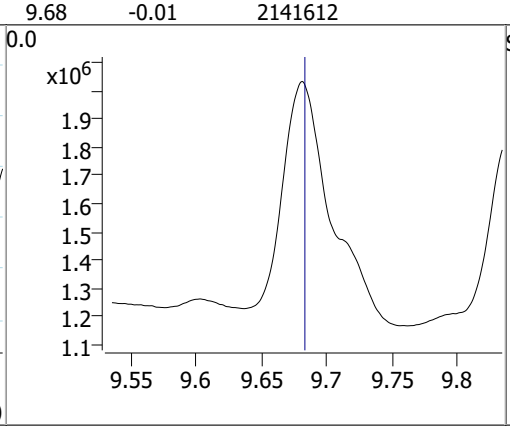


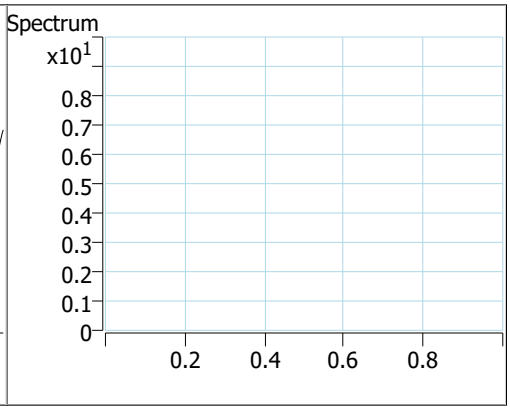




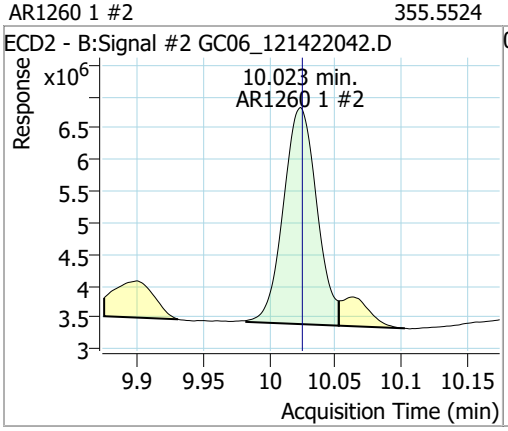
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	328.5778	9.68	-0.01	2141612				

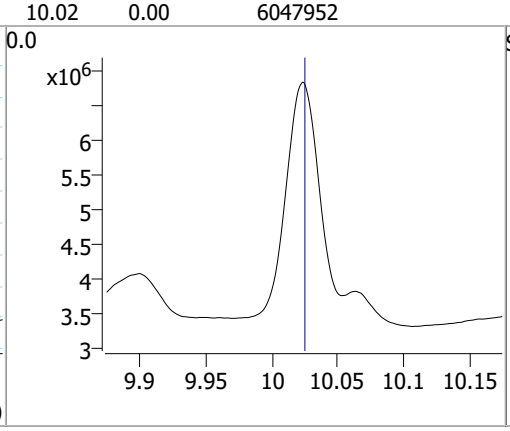


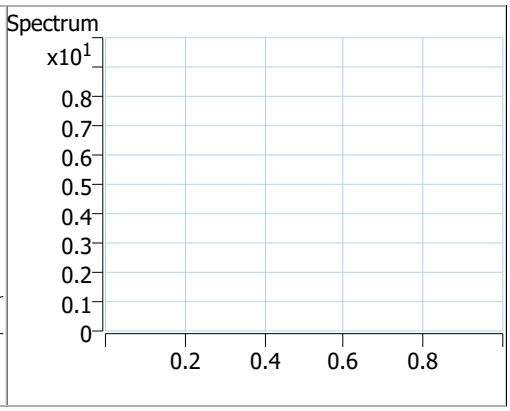




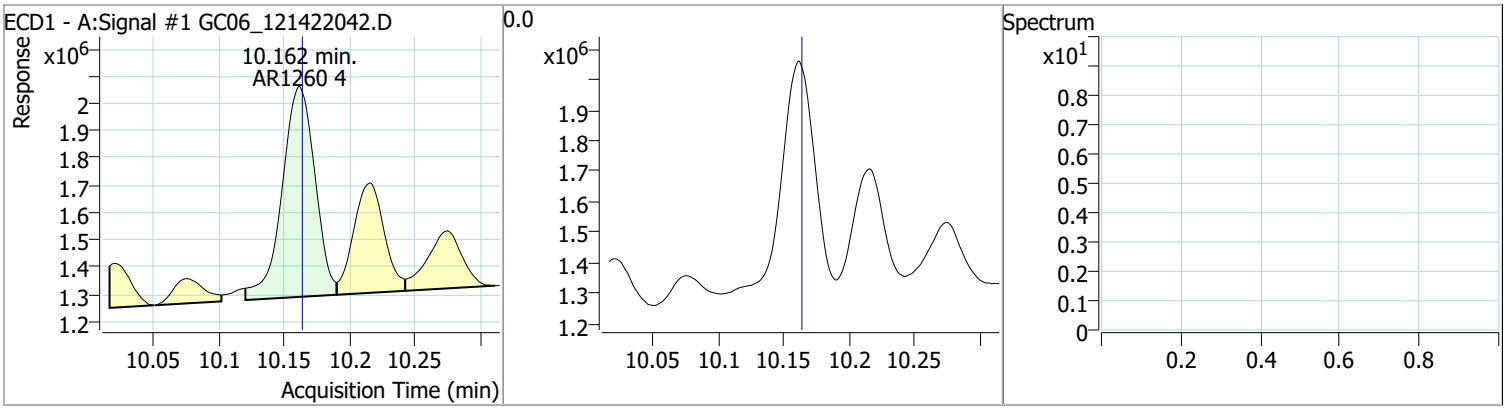
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	355.5524	10.02	0.00	6047952				



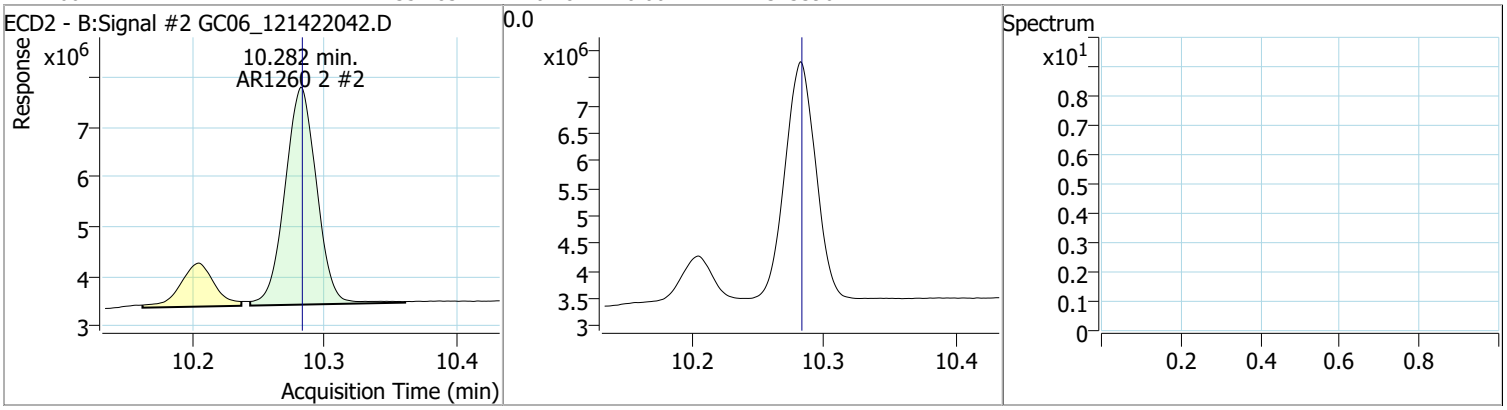




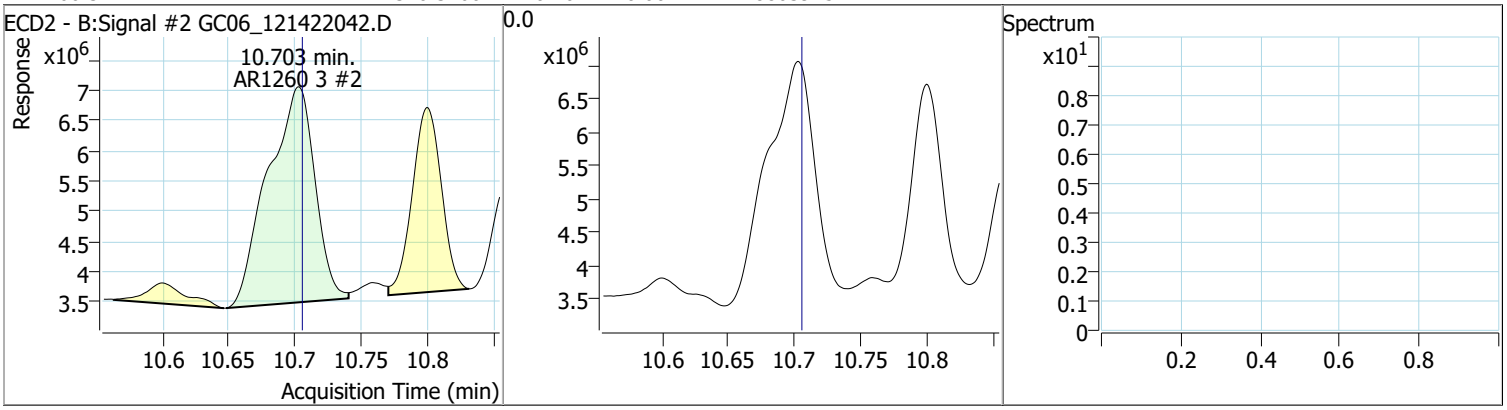
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	378.7556	10.16	-0.01	1357038				



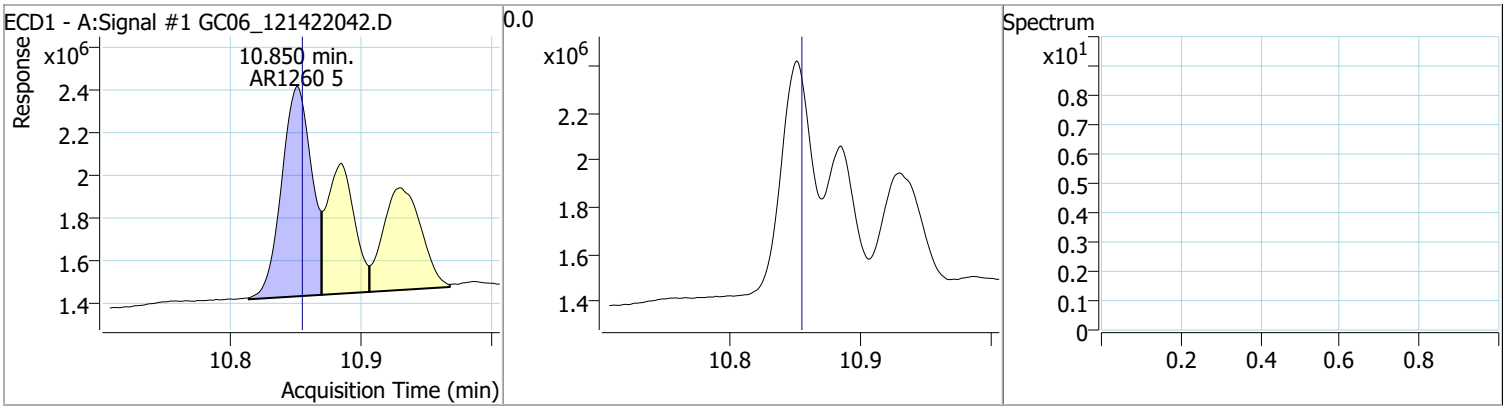
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	357.8344	10.28	0.00	7313390				



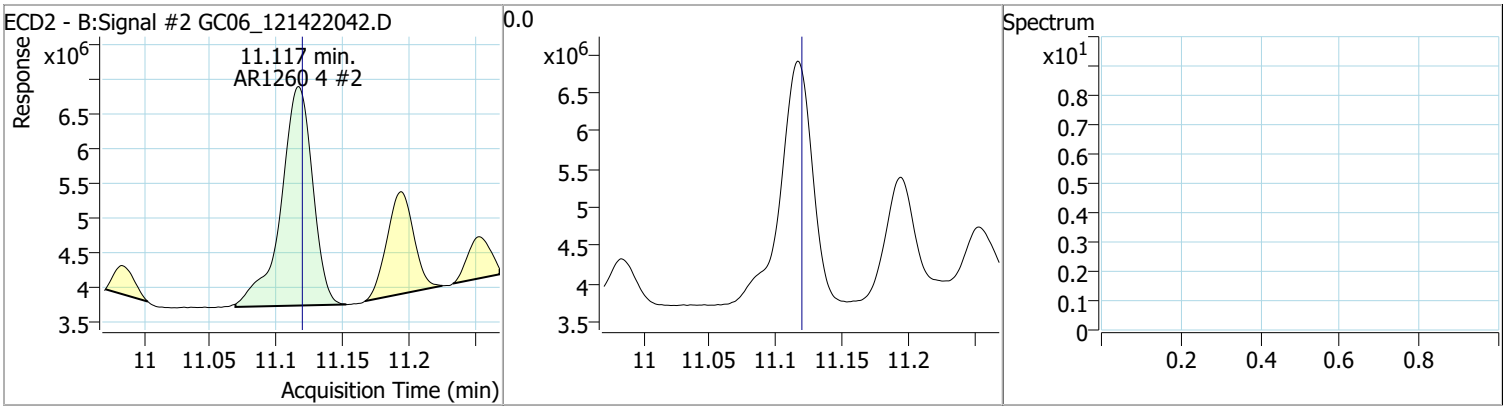
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	340.3160	10.70	0.00	8803945				



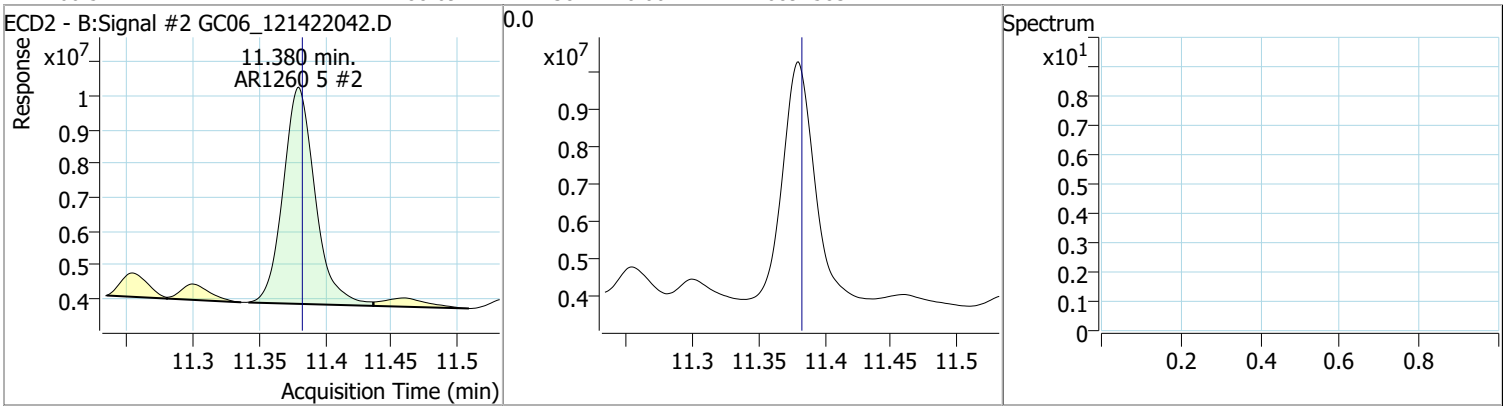
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	198.7922	10.85	-0.01	1573778				



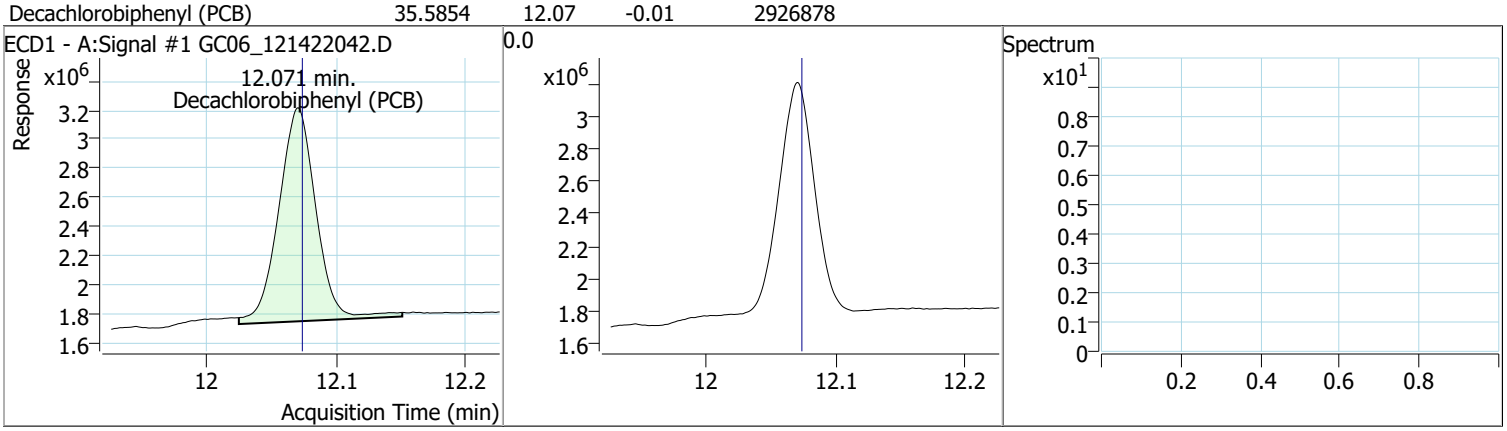
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	348.3372	11.12	0.00	5281763				



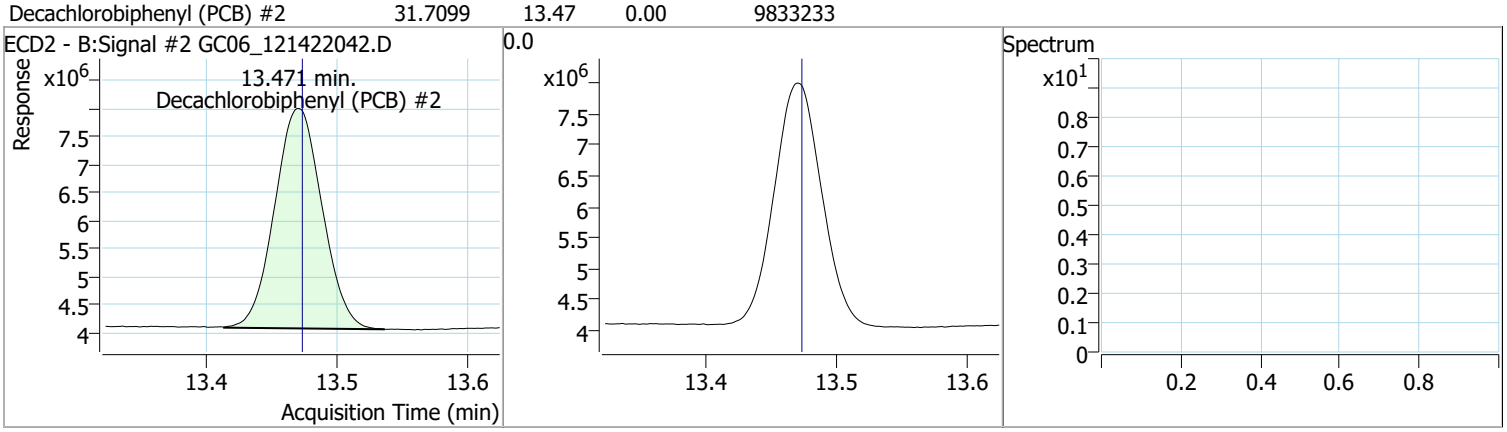
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	488.0912	11.38	0.00	10894583				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	35.5854	12.07	-0.01	2926878				

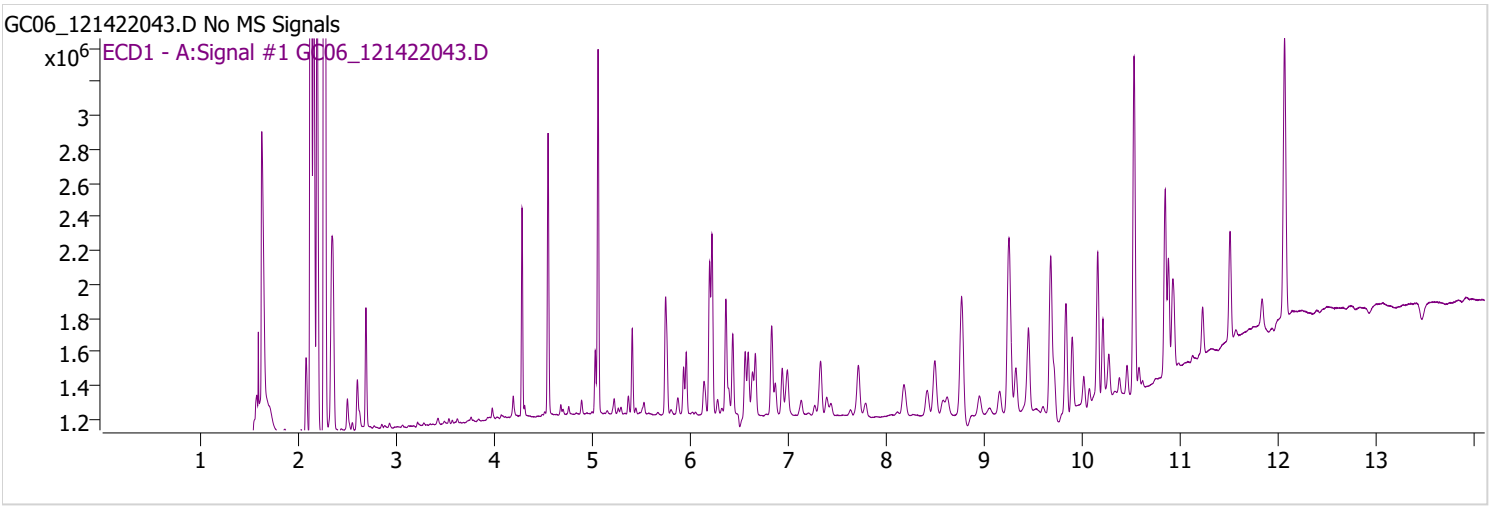


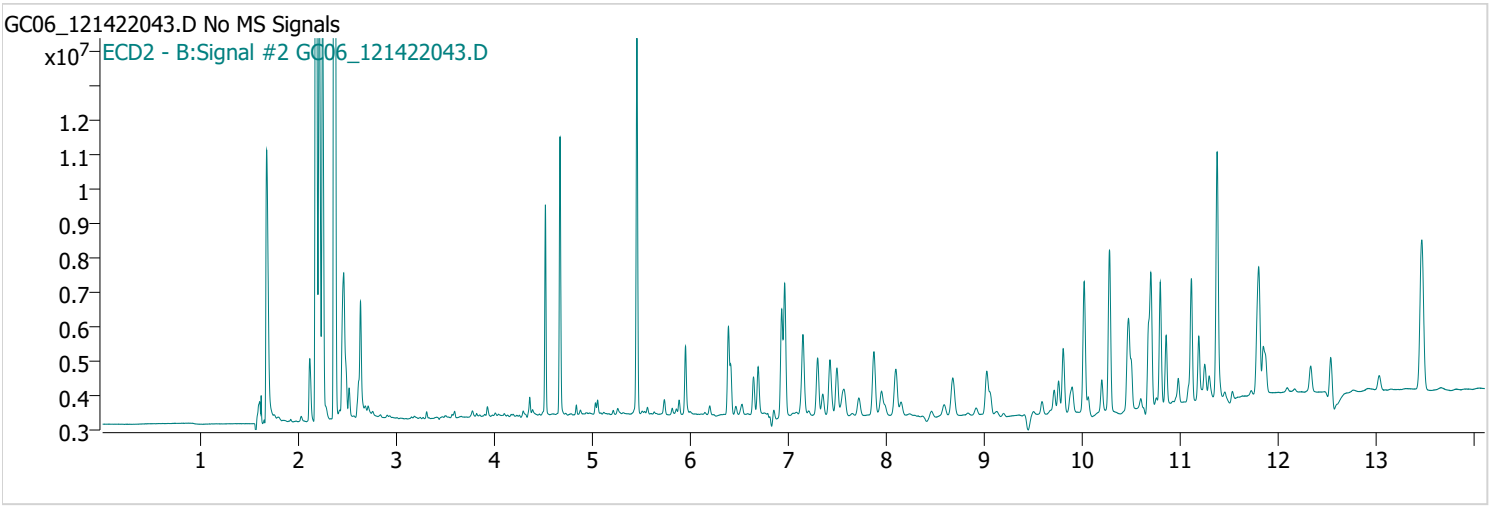
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	31.7099	13.47	0.00	9833233				



Quantitation Results Report (Not Reviewed)

Data File	GC06_121422043.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/15/2022 12:54:47 AM
Sample Name	QC1031901, 303182, 1	Instrument	SVOA-GC06
Vial	26	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



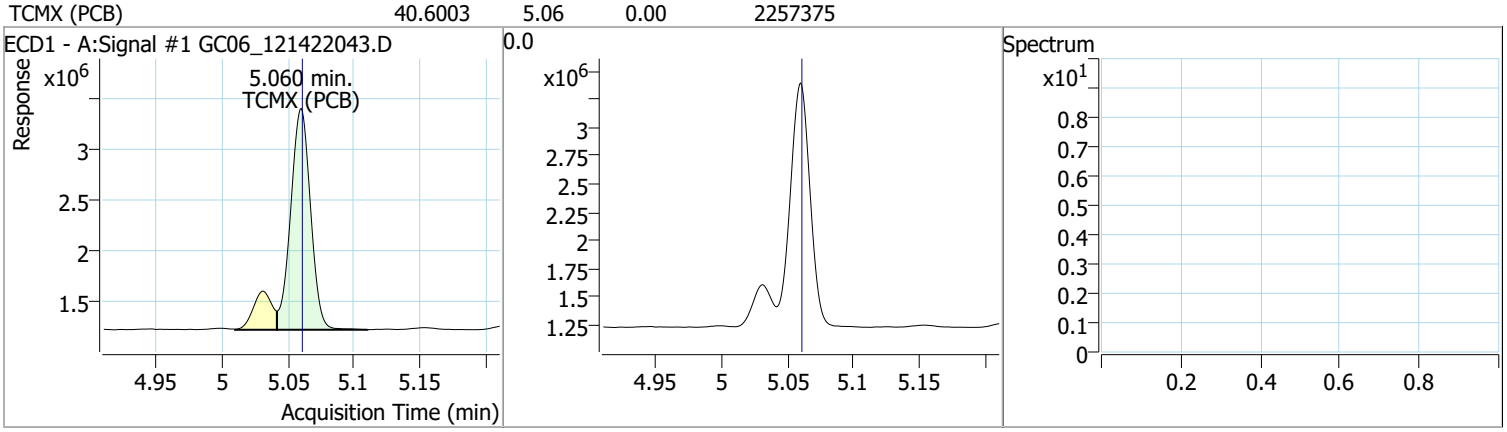


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.283	0.0	1156450.106	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.522	0.0	5420567.778	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.060	0.0	2257375.328	40.6003	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 203.00%		*	
S TCMX (PCB) #2	5.457	0.0	11850261.637	45.5219	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 227.61%		*	
S Decachlorobiphenyl (PCB)	12.069	0.0	3340721.183	43.3403	ng/ml		-0.009
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 216.70%		*	
S Decachlorobiphenyl (PCB) #2	13.471	0.0	11453880.701	39.4299	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.15%		*	
Target Compounds							QValue

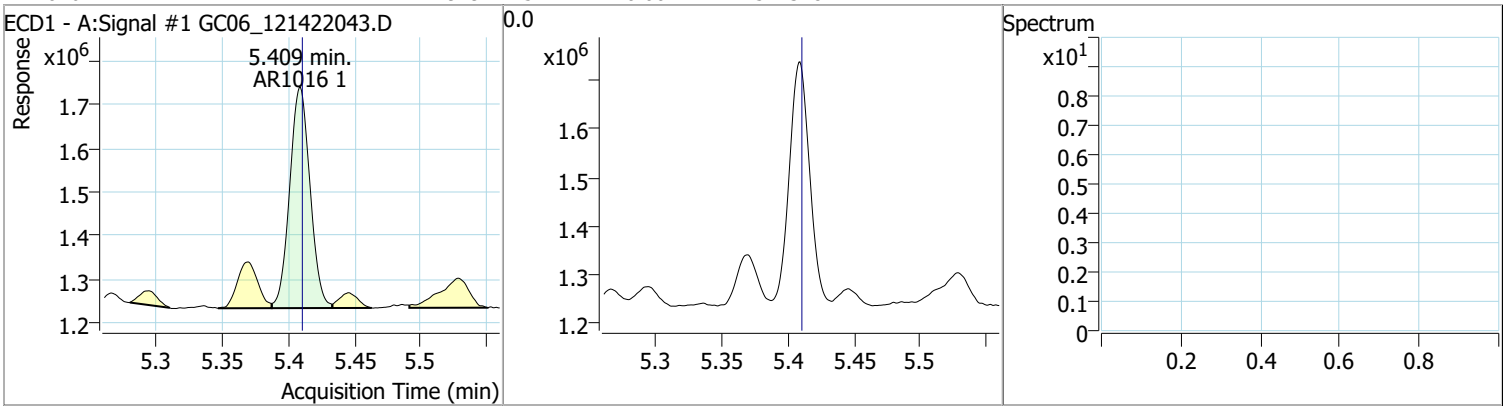
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.409	0.0	542328.486	447.2979	ng/ml	100
T AR1016 2	5.750	0.0	1165477.866	468.0545	ng/ml	100
T AR1016 1 #2	5.953	0.0	2507681.099	445.1204	ng/ml	100
T AR1016 3	6.223	0.0	1446395.259	470.5155	ng/ml	100
T AR1016 4	6.365	0.0	1284129.473	549.2393	ng/ml	100
T AR1016 2 #2	6.391	0.0	5234879.848	643.6969	ng/ml	100
T AR1016 5	6.563	0.0	676627.786	359.3028	ng/ml	100
T AR1016 3 #2	6.965	0.0	6639271.950	449.3020	ng/ml	100
T AR1016 4 #2	7.152	0.0	4700423.748	445.5661	ng/ml	100
T AR1016 5 #2	7.302	0.0	3022155.427	352.4393	ng/ml	100
T AR1260 1	8.772	0.0	1894280.480	484.4730	ng/ml	100
T AR1260 2	9.256	0.0	2611143.835	438.1478	ng/ml	100
T AR1260 3	9.682	0.0	2496173.345	400.7353	ng/ml	100
T AR1260 1 #2	10.023	0.0	6932034.409	429.7192	ng/ml	100
T AR1260 4	10.162	0.0	1548188.988	455.1356	ng/ml	100
T AR1260 2 #2	10.282	0.0	8460028.565	436.4797	ng/ml	100
T AR1260 3 #2	10.703	0.0	9988886.938	407.1467	ng/ml	100
T AR1260 5	10.852	0.0	1797230.018	241.0728	ng/ml	100
T AR1260 4 #2	11.118	0.0	5415590.781	378.5334	ng/ml	100
T AR1260 5 #2	11.381	0.0	12251430.504	582.2364	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

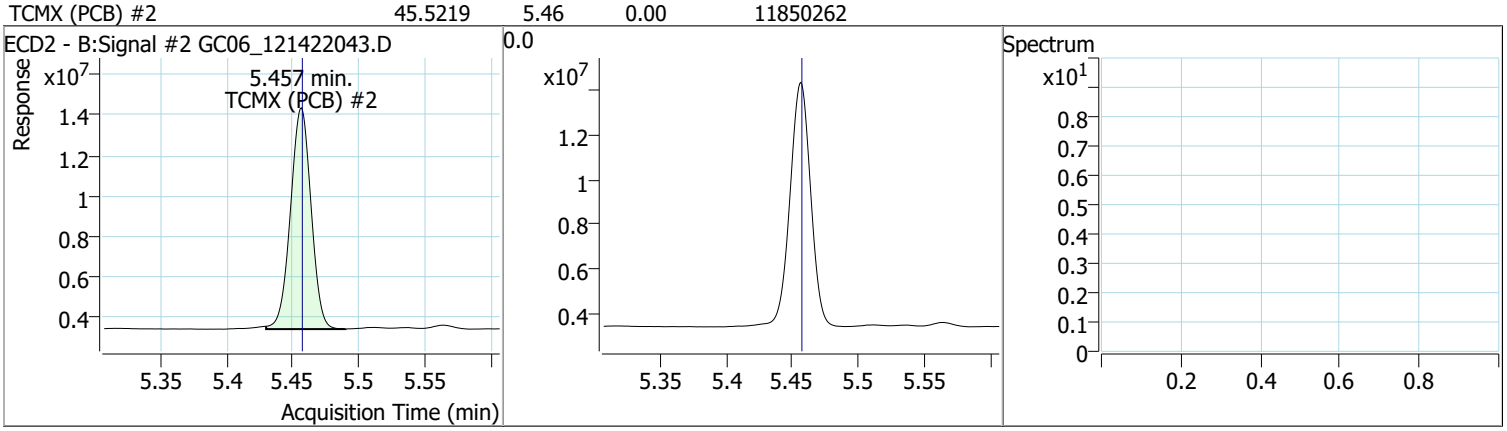
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	40.6003	5.06	0.00	2257375				



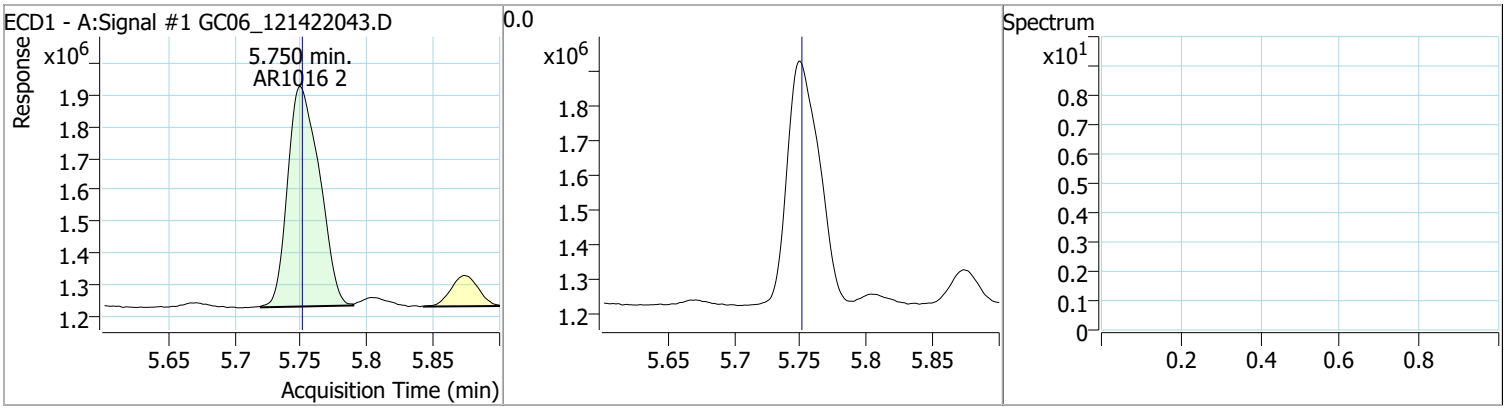
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	447.2979	5.41	0.00	542328				



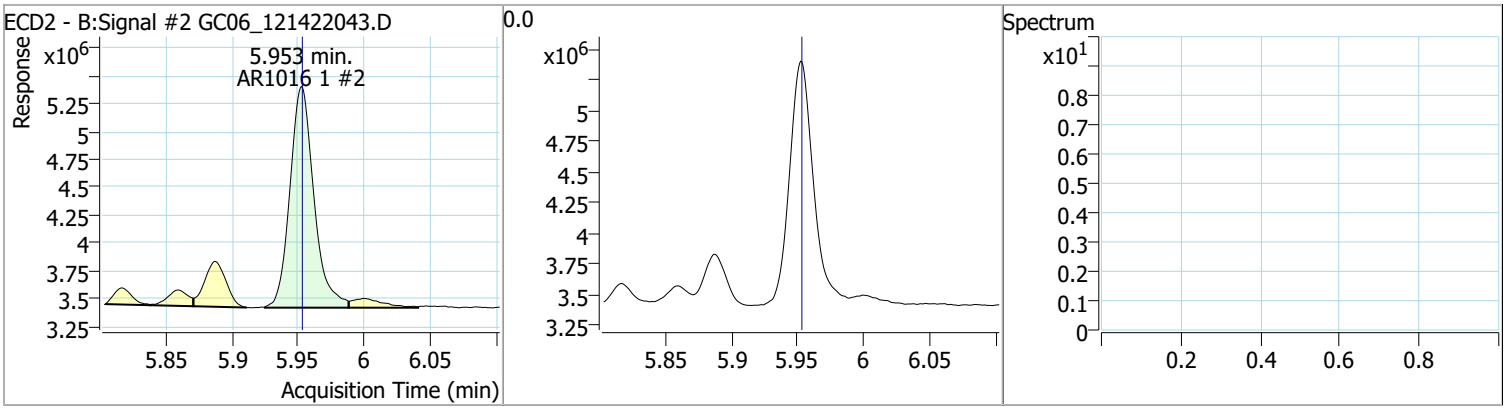
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	45.5219	5.46	0.00	11850262				



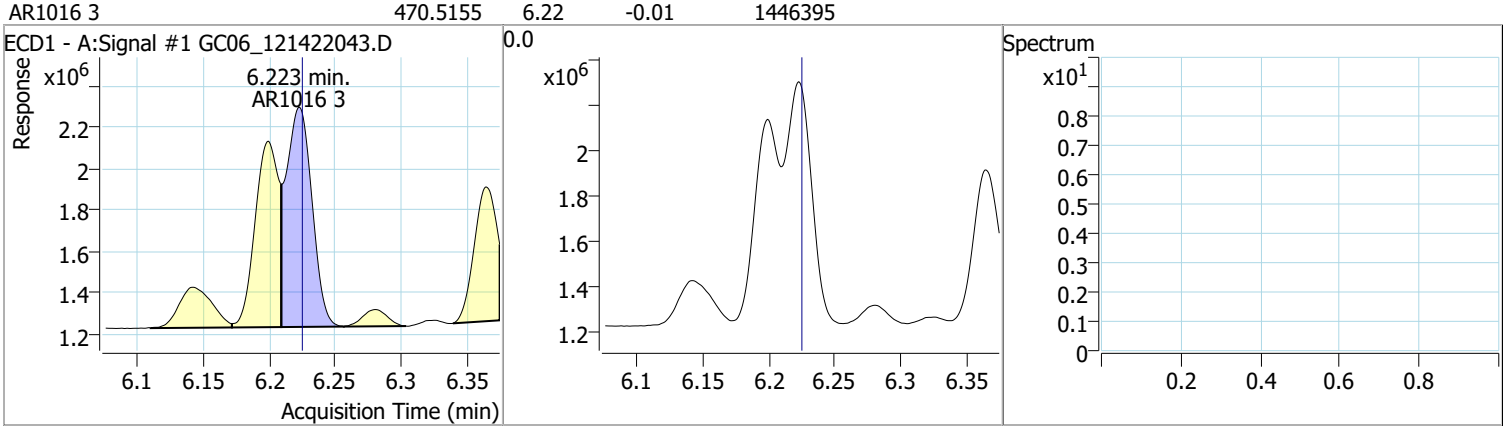
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	468.0545	5.75	0.00	1165478				



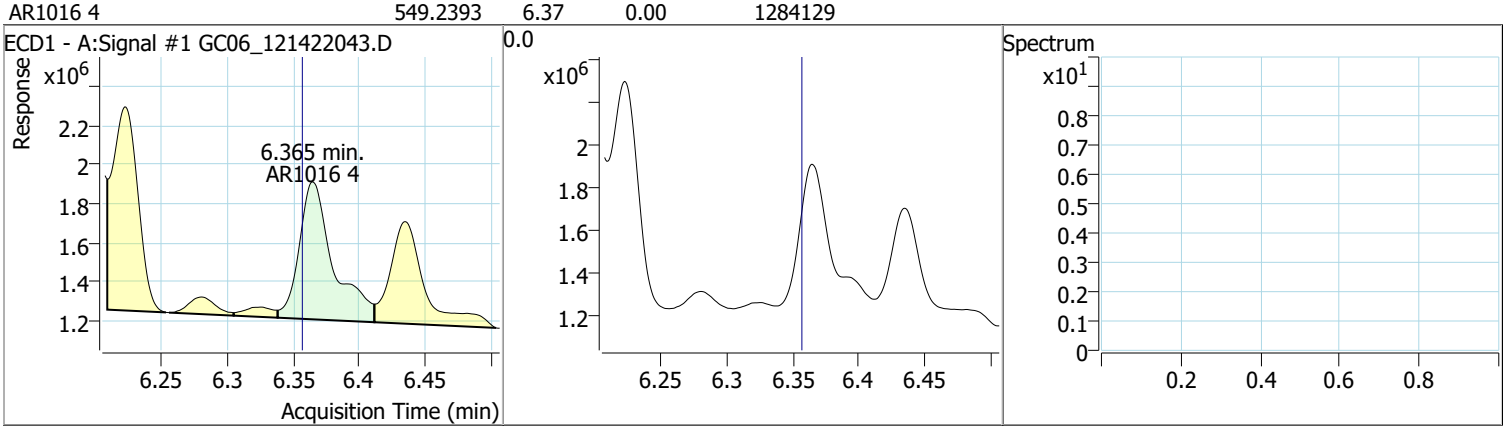
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	445.1204	5.95	0.00	2507681				



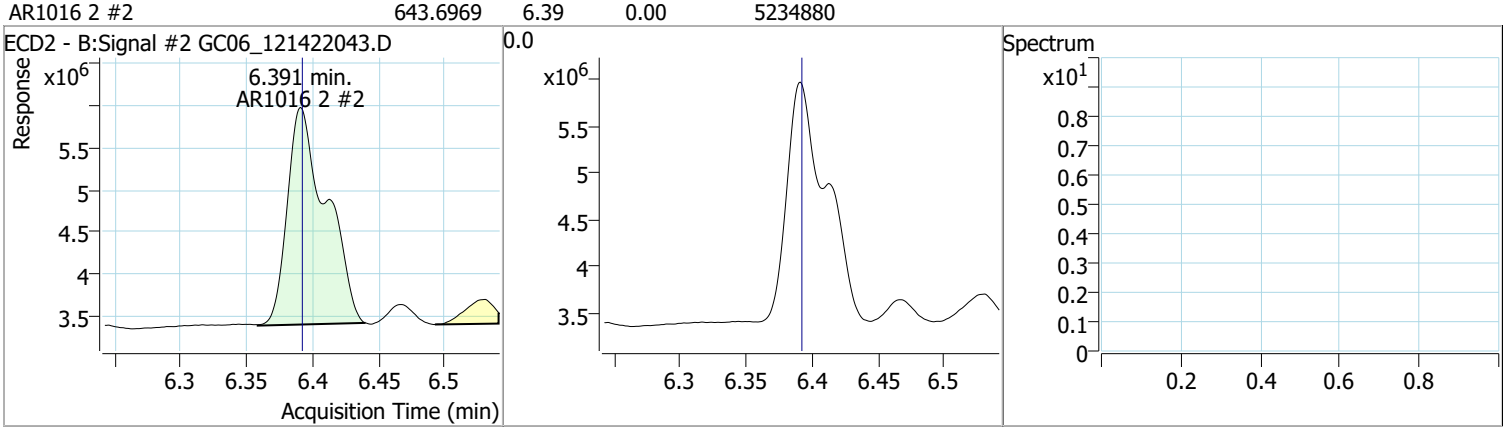
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	470.5155	6.22	-0.01	1446395				



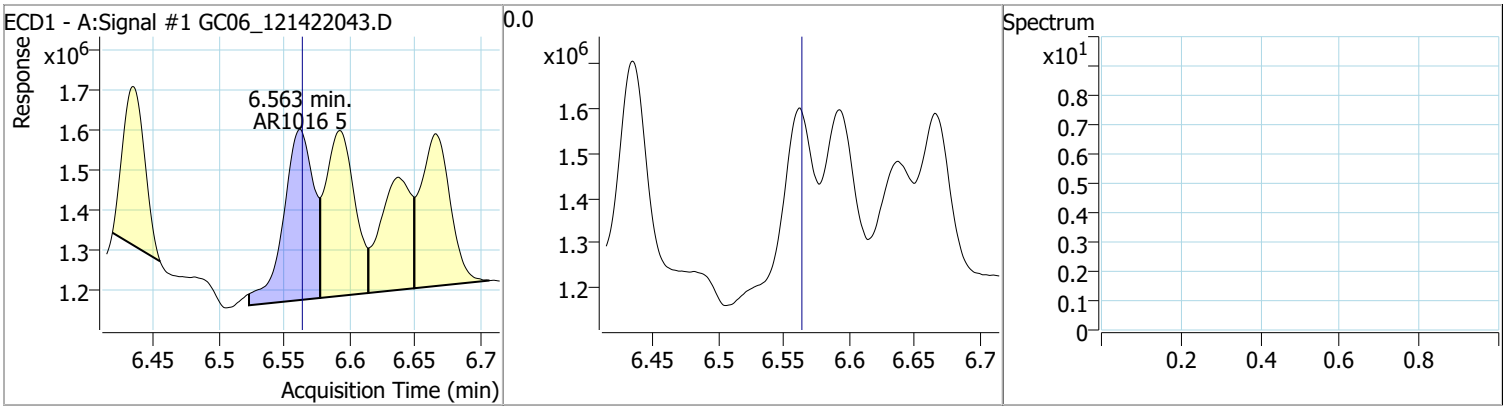
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	549.2393	6.37	0.00	1284129				



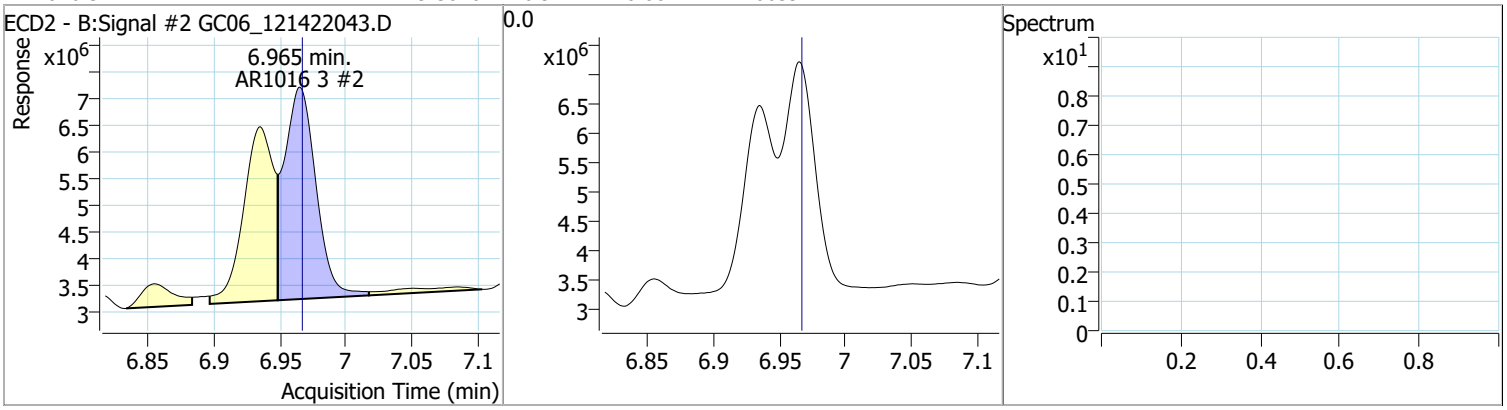
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	643.6969	6.39	0.00	5234880				



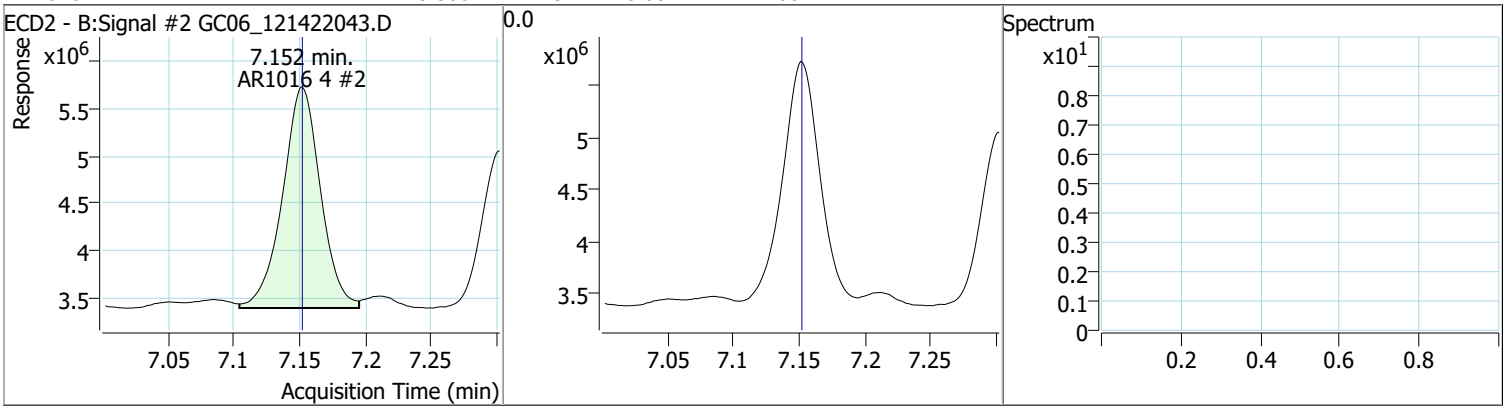
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	359.3028	6.56	0.00	676628				



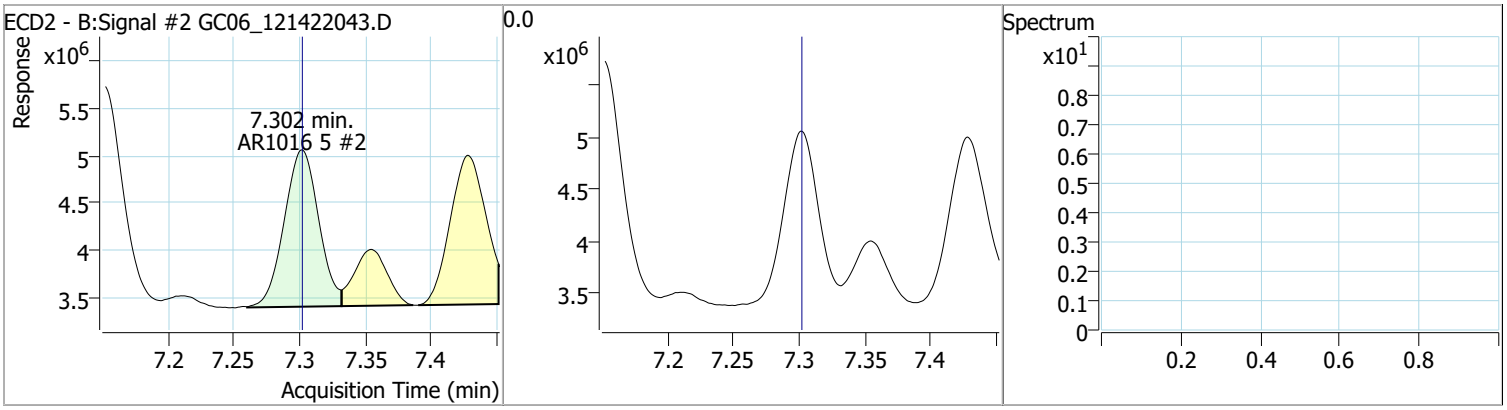
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	449.3020	6.97	0.00	6639272				



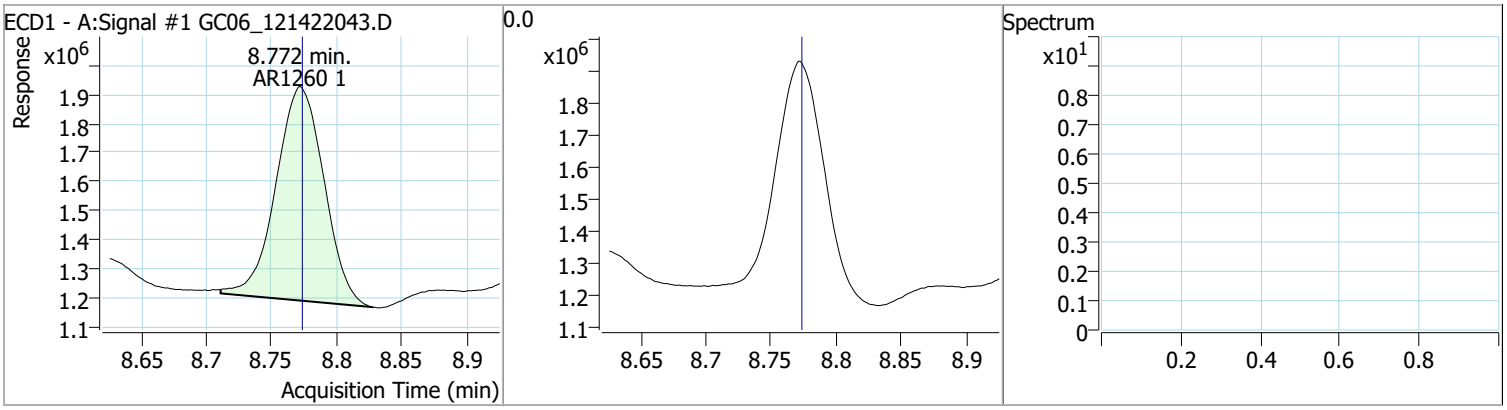
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	445.5661	7.15	0.00	4700424				



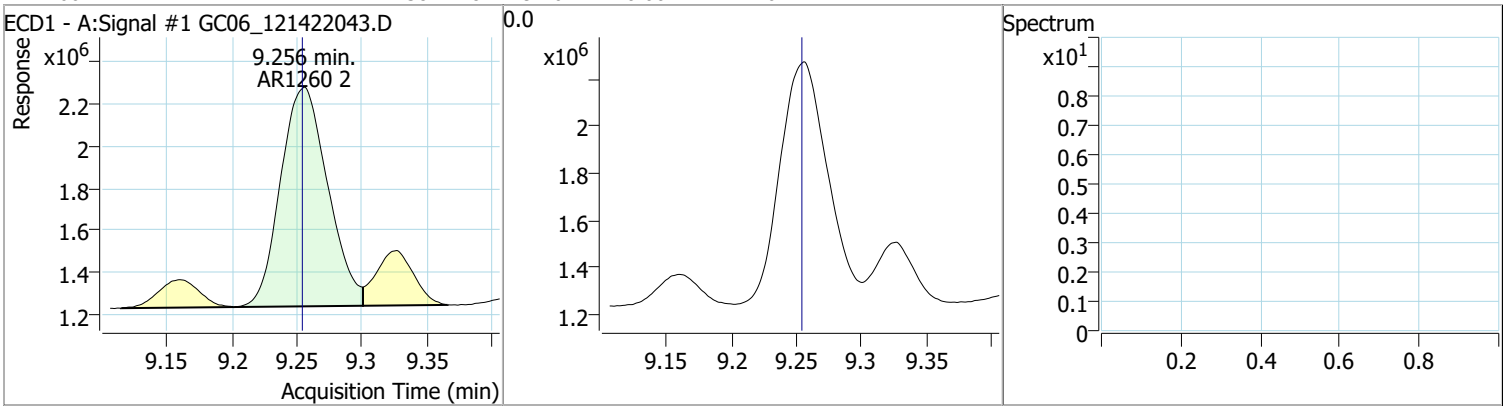
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	352.4393	7.30	0.00	3022155				



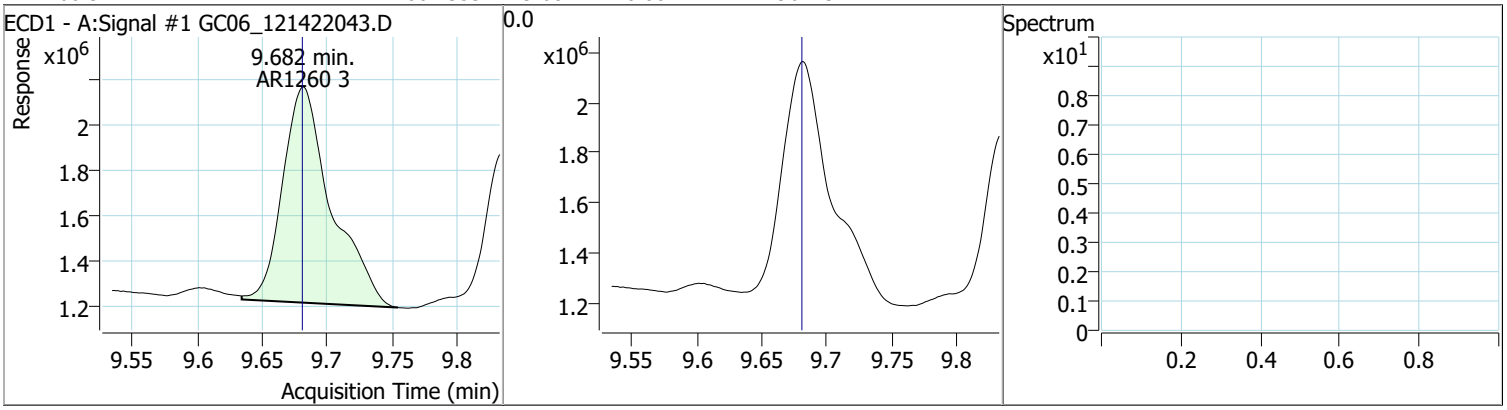
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	484.4730	8.77	-0.01	1894280				



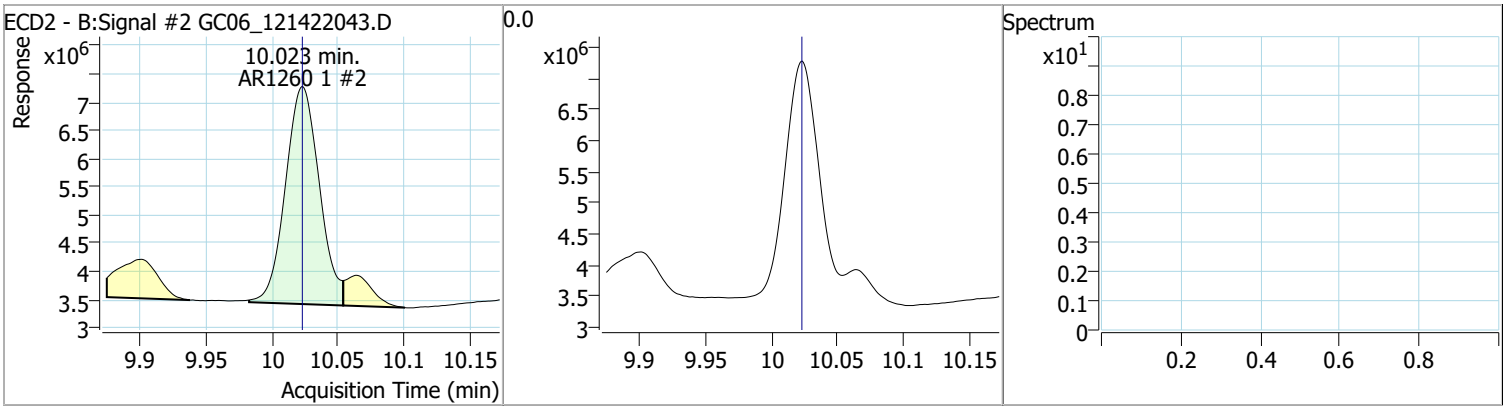
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	438.1478	9.26	0.00	2611144				



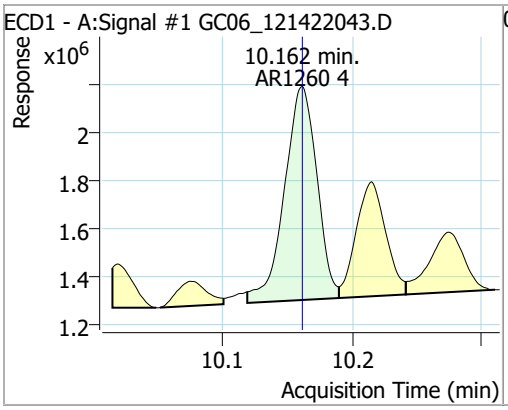
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	400.7353	9.68	0.00	2496173				

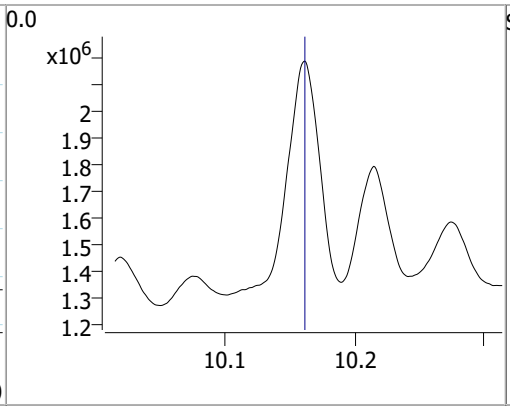


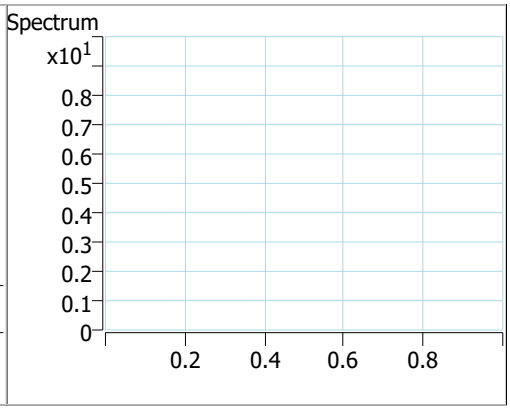
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	429.7192	10.02	0.00	6932034				



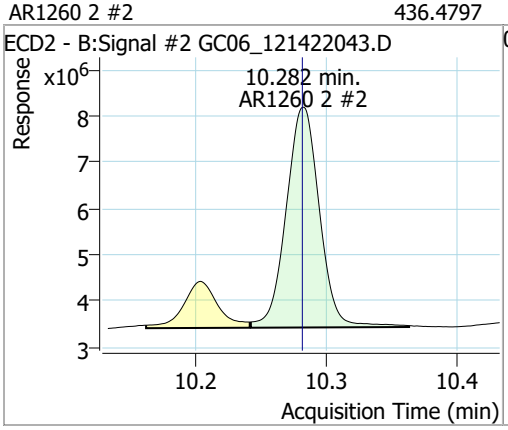
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	455.1356	10.16	-0.01	1548189				

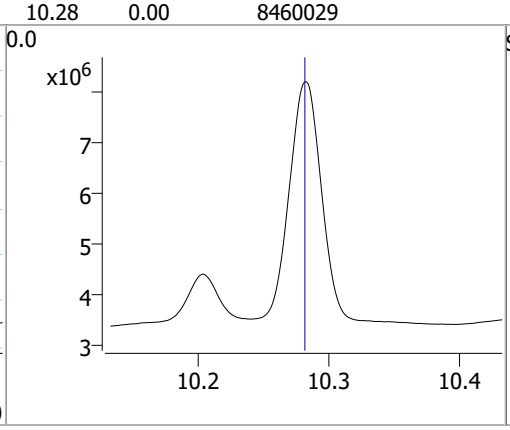


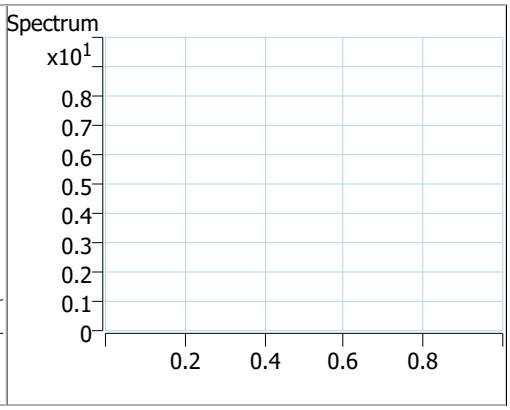




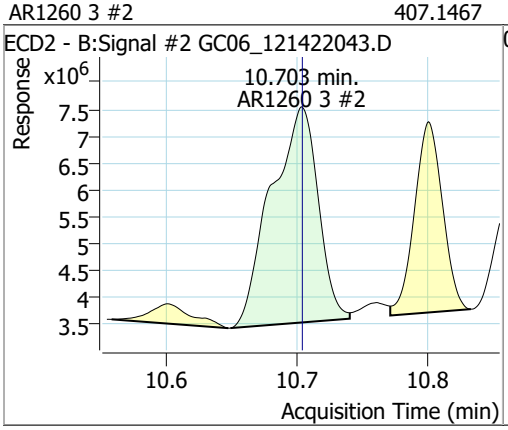
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	436.4797	10.28	0.00	8460029				

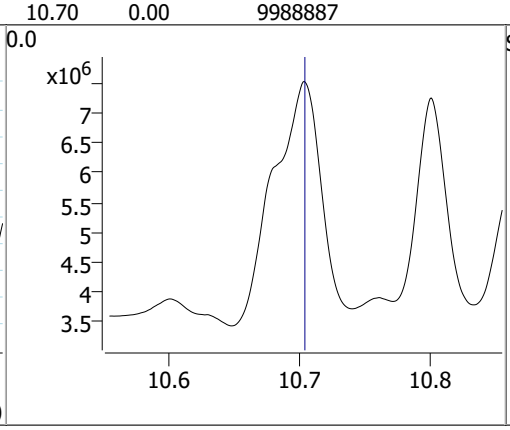


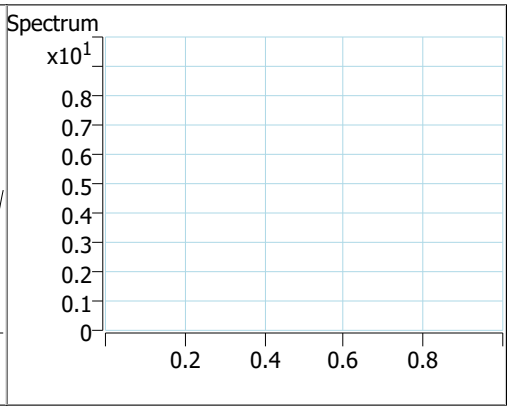




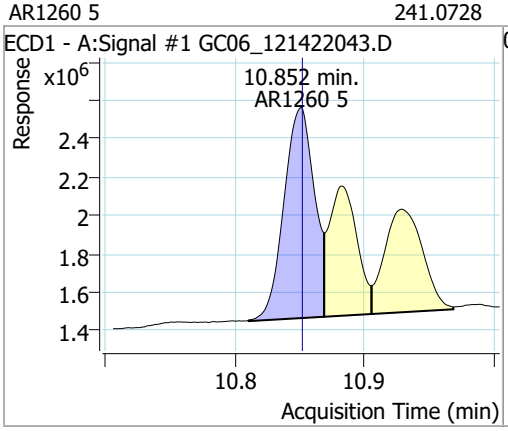
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	407.1467	10.70	0.00	9988887				

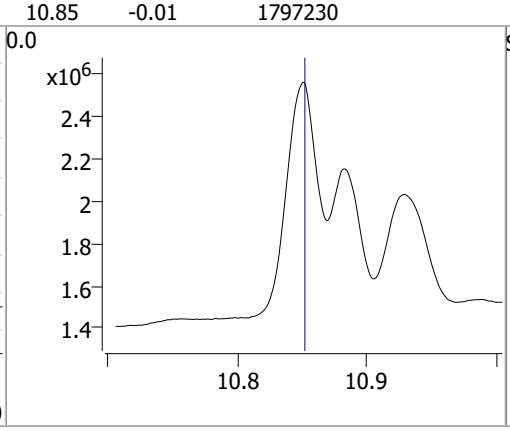


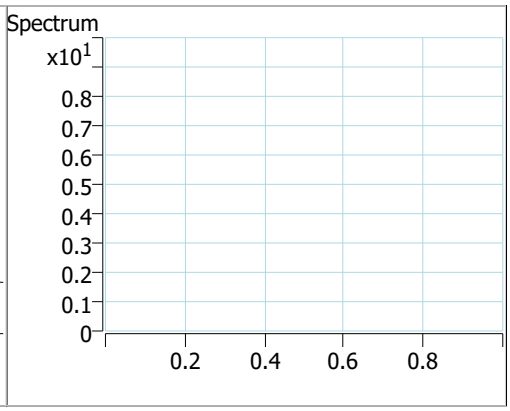




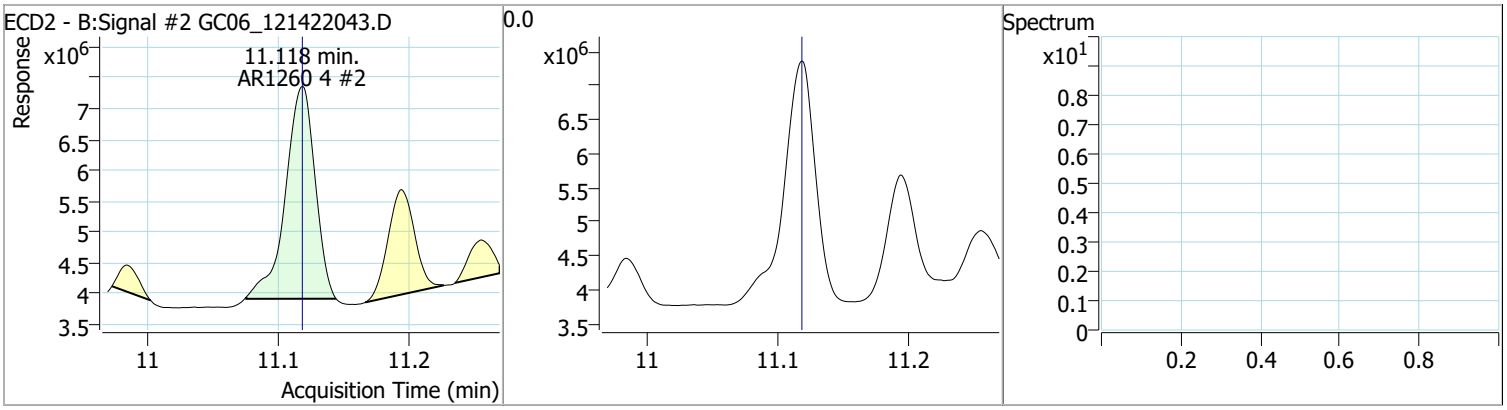
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	241.0728	10.85	-0.01	1797230				



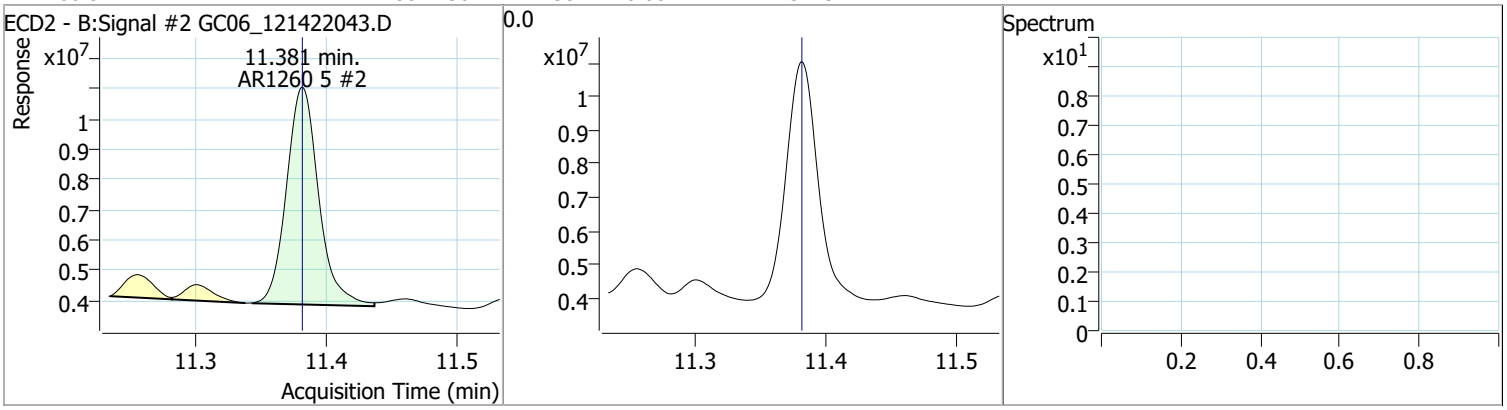




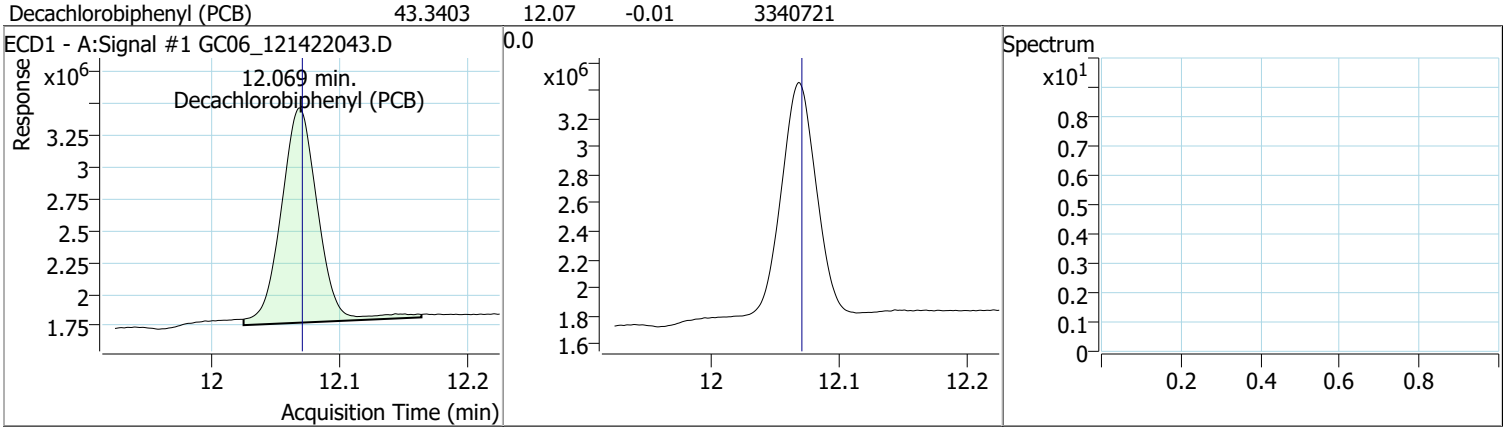
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	378.5334	11.12	0.00	5415591				



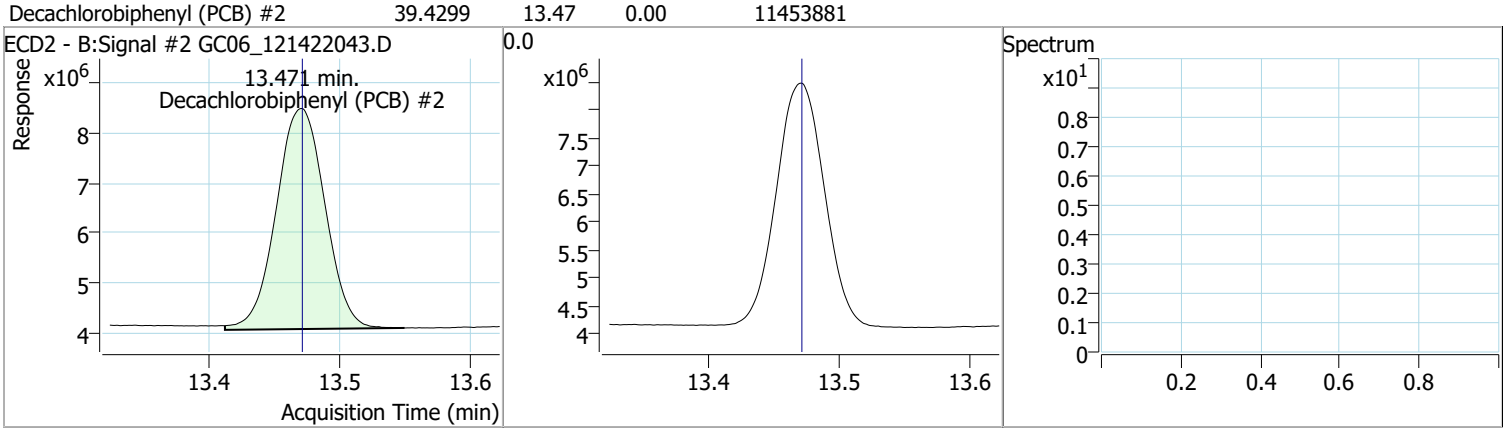
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	582.2364	11.38	0.00	12251431				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	43.3403	12.07	-0.01	3340721				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	39.4299	13.47	0.00	11453881				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 474716 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_102422014	452428510014		24-OCT-2022 17:26	S17263
L2	gc06_102422015	452428510015		24-OCT-2022 17:44	S17264
L3	gc06_102422016	452428510016		24-OCT-2022 18:02	S17265
L4	gc06_102422017	452428510017		24-OCT-2022 18:20	S17266
L5	gc06_102422018	452428510018		24-OCT-2022 18:38	S17267
L6	gc06_102422019	452428510019		24-OCT-2022 18:55	S17268
L7	gc06_102422020	452428510020		24-OCT-2022 19:13	S17269
L8	gc06_102422021	452428510021		24-OCT-2022 19:31	S17270
L9	gc06_102422022	452428510022		24-OCT-2022 19:49	S17271

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		47.6898		0.0210		15	9	.99	20	
Aroclor-1016 Peak # 2	A	LINR	-15.389	23.9841		0.0490	0.997		7	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		18.8095		0.0532		15	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		24.7311		0.0404		14	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		30.7045		0.0326		15	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		14.7882		0.0676		18	8	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		9.70243		0.1031		17	8	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		9.28268		0.1077		17	8	.99	20	
Aroclor-1260 Peak # 4	A	LINR	-15.439	17.5746		0.0643	0.998		7	.99	20	
Aroclor-1260 Peak # 5	A	LINR	-18.106	8.33830		0.1368	0.999		8	.99	20	
Decachlorobiphenyl (PCB)	A	LINR	-4.3231	0.82496		1.4080	0.999		6	.99	20	
TCMX (PCB)	A	AVRG		1.03996		0.9616		13	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		48.1076		0.0208		13	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		33.3260		0.0300		14	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		18.3412		0.0545		16	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		25.6912		0.0389		12	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		31.6065		0.0316		13	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		16.8009		0.0595		14	8	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		13.9830		0.0715		15	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		11.0470		0.0905		16	8	.99	20	
Aroclor-1260 Peak # 4	B	LINR	-23.653	20.1271		0.0597	0.996		7	.99	20	
Aroclor-1260 Peak # 5	B	LINR	-18.665	13.2930		0.0873	0.999		8	.99	20	
Decachlorobiphenyl (PCB)	B	LINR	-2.1138	0.98301		1.2084	0.999		8	.99	20	
TCMX (PCB)	B	AVRG		1.04112		0.9605		10	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor
LINR: Linear regression

ENTHALPY INITIAL CALIBRATION FOR 474716 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0275	0.0229	0.0229	0.0213	0.0183	0.0203	0.0197	0.0189	0.0170
Aroclor-1016 Peak # 2	A	0.0705	0.0493	0.0498	0.0471	0.0402	0.0443	0.0419		
Aroclor-1016 Peak # 3	A	0.0694	0.0572	0.0577	0.0553	0.0469	0.0521	0.0499	0.0477	0.0422
Aroclor-1016 Peak # 4	A	0.0506	0.0443	0.0443	0.0420	0.0361	0.0399	0.0381	0.0367	0.0320
Aroclor-1016 Peak # 5	A	0.0417	0.0355	0.0355	0.0335	0.0292	0.0321	0.0306	0.0296	0.0253
Aroclor-1260 Peak # 1	A	0.0937	0.0726	0.0712	0.0675	0.0578	0.0620	0.0600	0.0564	
Aroclor-1260 Peak # 2	A	0.1377	0.1100	0.1119	0.1048	0.0901	0.0941	0.0896	0.0864	
Aroclor-1260 Peak # 3	A	0.1494	0.1089	0.1140	0.1083	0.0928	0.0997	0.0955	0.0931	
Aroclor-1260 Peak # 4	A	0.0776	0.0657	0.0680	0.0657	0.0561	0.0598	0.0571		
Aroclor-1260 Peak # 5	A	0.1719	0.1443	0.1523	0.1392	0.1178	0.1263	0.1212	0.1213	
Decachlorobiphenyl (PCB)	A			1.7517	1.5276	1.3136	1.3325	1.2692	1.2537	
TCMX (PCB)	A	1.2724	0.9655	0.9830	0.9621	0.8303	0.9420	0.9219	0.9218	0.8552
Aroclor-1016 Peak # 1	B	0.0258	0.0224	0.0221	0.0217	0.0189	0.0208	0.0199	0.0188	0.0168
Aroclor-1016 Peak # 2	B	0.0369	0.0328	0.0337	0.0319	0.0262	0.0293	0.0282	0.0270	0.0241
Aroclor-1016 Peak # 3	B	0.0731	0.0591	0.0595	0.0548	0.0476	0.0526	0.0506	0.0504	0.0429
Aroclor-1016 Peak # 4	B	0.0470	0.0426	0.0424	0.0410	0.0348	0.0383	0.0370	0.0362	0.0311
Aroclor-1016 Peak # 5	B	0.0389	0.0336	0.0345	0.0334	0.0285	0.0314	0.0302	0.0296	0.0248
Aroclor-1260 Peak # 1	B	0.0741	0.0638	0.0673	0.0608	0.0510	0.0551	0.0527	0.0514	
Aroclor-1260 Peak # 2	B	0.0910	0.0798	0.0790	0.0726	0.0608	0.0651	0.0625	0.0613	
Aroclor-1260 Peak # 3	B	0.1187	0.0977	0.0986	0.0907	0.0769	0.0826	0.0797	0.0793	
Aroclor-1260 Peak # 4	B	0.0785	0.0629	0.0647	0.0583	0.0503	0.0539	0.0496		
Aroclor-1260 Peak # 5	B	0.1184	0.0925	0.0953	0.0868	0.0743	0.0790	0.0760	0.0762	
Decachlorobiphenyl (PCB)	B	1.6271	1.2663	1.3495	1.2170	1.0610	1.0826	1.0310	1.0324	
TCMX (PCB)	B	1.1603	0.9978	0.9817	0.9671	0.8301	0.9599	0.9328	0.9461	0.8687

ENTHALPY INITIAL CALIBRATION FOR 474716 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	**31**	50.000	9	100.00	9	250.00	1	500.00	-13	749.91	-3	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 2	A	20.000	-8	50.000	-12	100.00	4	250.00	7	500.00	-7	749.91	4	1000.0	-1		
Aroclor-1016 Peak # 3	A	20.000	**31**	50.000	8	100.00	9	250.00	4	500.00	-12	749.91	-2	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 4	A	20.000	**25**	50.000	10	100.00	10	250.00	4	500.00	-11	749.91	-1	1000.0	-6	1500.0	-9
Aroclor-1016 Peak # 5	A	20.000	**28**	50.000	9	100.00	9	250.00	3	500.00	-10	749.91	-1	1000.0	-6	1500.0	-9
Aroclor-1260 Peak # 1	A	20.000	**38**	50.000	7	100.00	5	250.00	0	500.00	-15	749.91	-8	1000.0	-11	1500.0	-17
Aroclor-1260 Peak # 2	A	20.000	**34**	50.000	7	100.00	9	250.00	2	500.00	-13	749.91	-9	1000.0	-13	1500.0	-16
Aroclor-1260 Peak # 3	A	20.000	**39**	50.000	1	100.00	6	250.00	1	500.00	-14	749.91	-7	1000.0	-11	1500.0	-14
Aroclor-1260 Peak # 4	A	20.000	**-41**	50.000	-15	100.00	4	250.00	9	500.00	-4	749.91	3	1000.0	-1		
Aroclor-1260 Peak # 5	A	20.000	**-47**	50.000	-16	100.00	9	250.00	9	500.00	-5	749.91	3	1000.0	-1	1500.0	0
Decachlorobiphenyl (PCB)	A					8.0000	-10	20.000	4	40.000	-2	59.993	3	80.000	-1	120.00	0
TCMX (PCB)	A	1.6000	**32**	4.0000	0	8.0000	2	20.000	0	40.000	-14	59.993	-2	80.000	-4	120.00	-4
Aroclor-1016 Peak # 1	B	20.000	**24**	50.000	8	100.00	6	250.00	4	500.00	-9	749.91	0	1000.0	-4	1500.0	-10
Aroclor-1016 Peak # 2	B	20.000	**23**	50.000	9	100.00	12	250.00	6	500.00	-13	749.91	-2	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 3	B	20.000	**34**	50.000	8	100.00	9	250.00	1	500.00	-13	749.91	-4	1000.0	-7	1500.0	-8
Aroclor-1016 Peak # 4	B	20.000	**21**	50.000	9	100.00	9	250.00	5	500.00	-11	749.91	-2	1000.0	-5	1500.0	-7
Aroclor-1016 Peak # 5	B	20.000	**23**	50.000	6	100.00	9	250.00	5	500.00	-10	749.91	-1	1000.0	-5	1500.0	-6
Aroclor-1260 Peak # 1	B	20.000	**24**	50.000	7	100.00	13	250.00	2	500.00	-14	749.91	-7	1000.0	-11	1500.0	-14
Aroclor-1260 Peak # 2	B	20.000	**27**	50.000	12	100.00	11	250.00	2	500.00	-15	749.91	-9	1000.0	-13	1500.0	-14
Aroclor-1260 Peak # 3	B	20.000	**31**	50.000	8	100.00	9	250.00	0	500.00	-15	749.91	-9	1000.0	-12	1500.0	-12
Aroclor-1260 Peak # 4	B	20.000	**-60**	50.000	**-21**	100.00	7	250.00	8	500.00	-4	749.91	5	1000.0	-3		
Aroclor-1260 Peak # 5	B	20.000	**-36**	50.000	-14	100.00	8	250.00	8	500.00	-5	749.91	3	1000.0	-1	1500.0	0
Decachlorobiphenyl (PCB)	B	1.6000	**-72**	4.0000	**-28**	8.0000	6	20.000	9	40.000	-1	59.993	3	80.000	-1	120.00	0
TCMX (PCB)	B	1.6000	**21**	4.0000	4	8.0000	2	20.000	1	40.000	-14	59.993	0	80.000	-3	120.00	-1

ENTHALPY INITIAL CALIBRATION FOR 474716 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-19
Aroclor-1016 Peak # 2	A		
Aroclor-1016 Peak # 3	A	2000.0	**-21**
Aroclor-1016 Peak # 4	A	2000.0	**-21**
Aroclor-1016 Peak # 5	A	2000.0	**-22**
Aroclor-1260 Peak # 1	A		
Aroclor-1260 Peak # 2	A		
Aroclor-1260 Peak # 3	A		
Aroclor-1260 Peak # 4	A		
Aroclor-1260 Peak # 5	A		
Decachlorobiphenyl (PCB)	A		
TCMX (PCB)	A	160.00	-11
Aroclor-1016 Peak # 1	B	2000.0	-19
Aroclor-1016 Peak # 2	B	2000.0	-20
Aroclor-1016 Peak # 3	B	2000.0	**-21**
Aroclor-1016 Peak # 4	B	2000.0	-20
Aroclor-1016 Peak # 5	B	2000.0	**-22**
Aroclor-1260 Peak # 1	B		
Aroclor-1260 Peak # 2	B		
Aroclor-1260 Peak # 3	B		
Aroclor-1260 Peak # 4	B		
Aroclor-1260 Peak # 5	B		
Decachlorobiphenyl (PCB)	B		
TCMX (PCB)	B	160.00	-10

TRN 10/26/22 : Manually integrated for coeluting peak/draw baseline on both channel for multiple channels

Analyst: TRN 10/26/22

Reviewer: LW 10/27/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 474716 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_102422_1
Calnum:	452428510002	Cal Date:	24-OCT-2022

- ICV 452428510024 (gc06_102422024 24-OCT-2022) stds: S17274

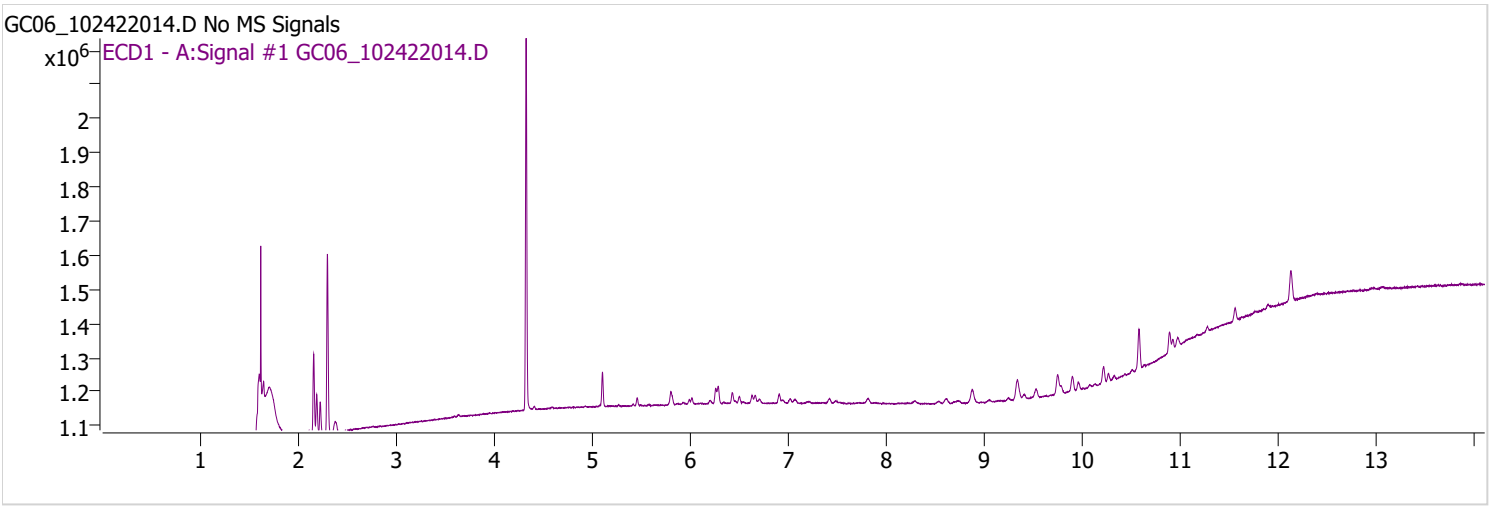
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	486.9	ug/L	-3	15	
Aroclor-1260	A	500.0	451.5	ug/L	-10	15	
Aroclor-1016	B	500.0	481.3	ug/L	-4	15	
Aroclor-1260	B	500.0	455.3	ug/L	-9	15	

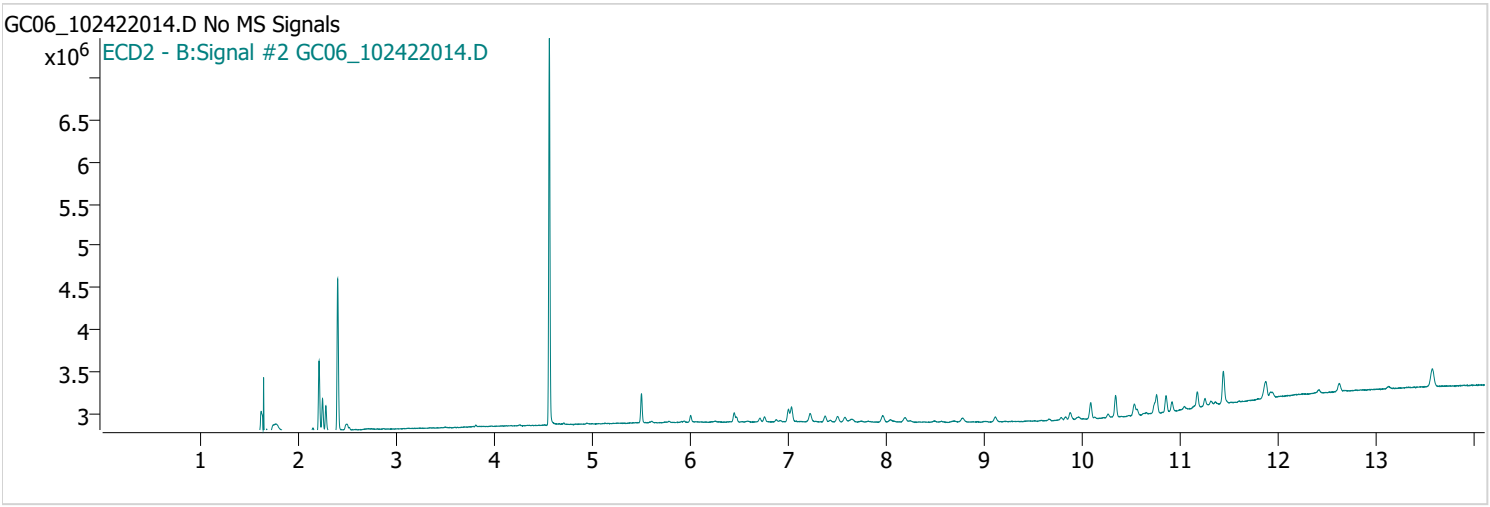
-

Analyst: TRN 10/26/22 **Reviewer:** LW 10/27/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_102422014.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 5:26:16 PM
Sample Name	ICAL, S17263	Instrument	SVOA-GC06
Vial	11	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



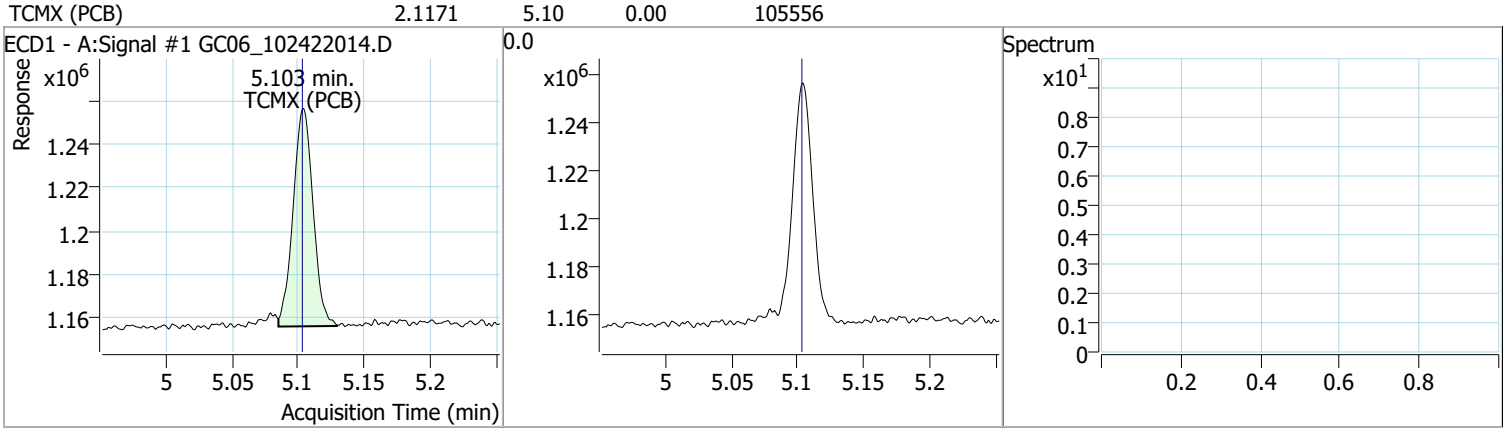


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.324	0.0	1037016.219	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	4201953.160	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	105555.954	2.1171	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.59%		*	
S TCMX (PCB) #2	5.502	0.0	390058.222	1.9329	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.66%		*	
S Decachlorobiphenyl (PCB)	12.133	0.0	184176.168	0.0000	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 0.00%		*	
S Decachlorobiphenyl (PCB) #2	13.576	0.0	546954.440	0.4459	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 2.23%		*	
Target Compounds							**QValue**
T AR1016 1	5.458	0.0	28480.322	26.1951	ng/ml		100
T AR1016 2	5.802	0.0	73071.976	18.4116	ng/ml		100
T AR1016 1 #2	6.004	0.0	108525.199	24.8502	ng/ml		100

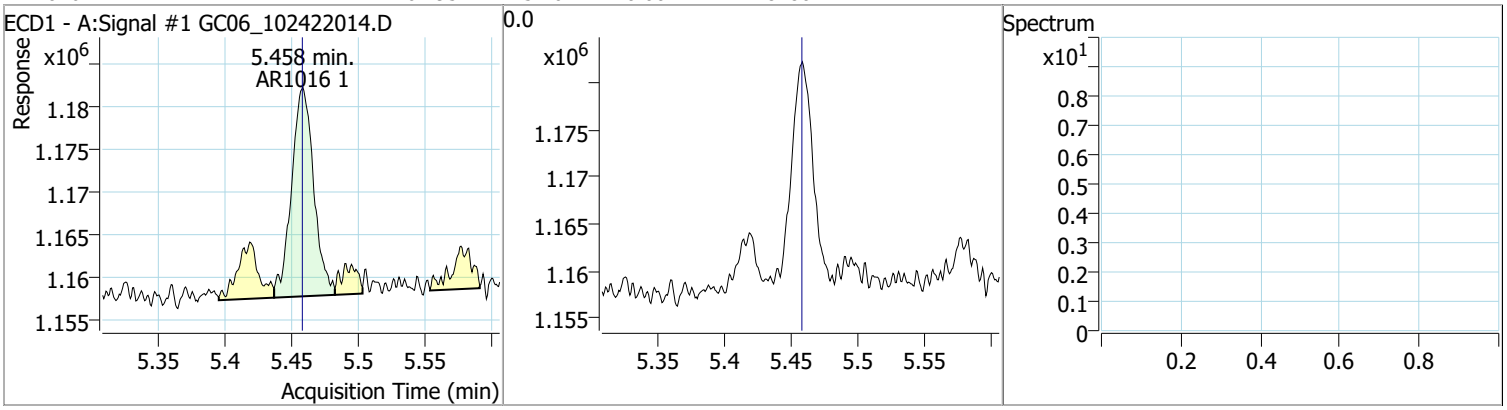
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.285	0.0	71957.123	26.1037	ng/ml		100
T AR1016 4	6.430	0.0	52488.922	25.0358	ng/ml	m	100
T AR1016 2 #2	6.449	0.0	154975.476	24.5828	ng/ml		100
T AR1016 5	6.908	0.0	43274.534	25.6262	ng/ml		100
T AR1016 3 #2	7.033	0.0	307317.024	26.8286	ng/ml		100
T AR1016 4 #2	7.223	0.0	197434.079	24.1430	ng/ml		100
T AR1016 5 #2	7.966	0.0	163277.665	24.5634	ng/ml		100
T AR1260 1	8.881	0.0	97121.012	27.7000	ng/ml		100
T AR1260 2	9.339	0.0	142815.316	26.7243	ng/ml		100
T AR1260 3	9.751	0.0	154959.969	27.7424	ng/ml	m	100
T AR1260 1 #2	10.089	0.0	311262.229	24.8911	ng/ml		100
T AR1260 4	10.220	0.0	80435.978	11.8240	ng/ml		100
T AR1260 2 #2	10.342	0.0	382187.365	25.4368	ng/ml		100
T AR1260 5	10.581	0.0	178298.760	10.5736	ng/ml		100
T AR1260 3 #2	10.761	0.0	498567.492	26.2151	ng/ml		100
T AR1260 4 #2	11.176	0.0	329727.817	7.9351	ng/ml		100
T AR1260 5 #2	11.876	0.0	497381.031	12.8115	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

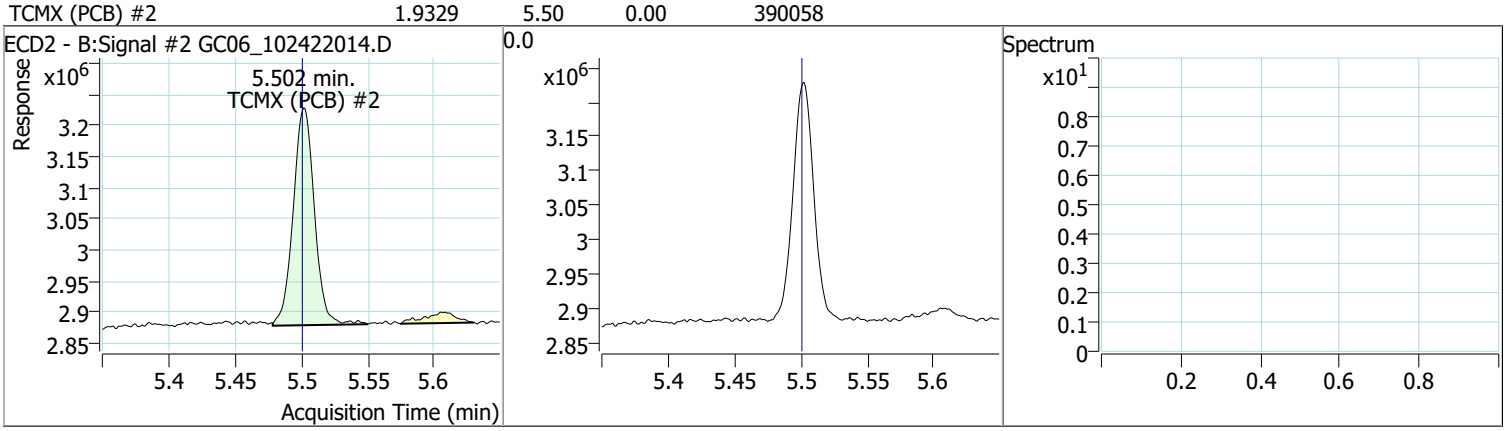
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	2.1171	5.10	0.00	105556				



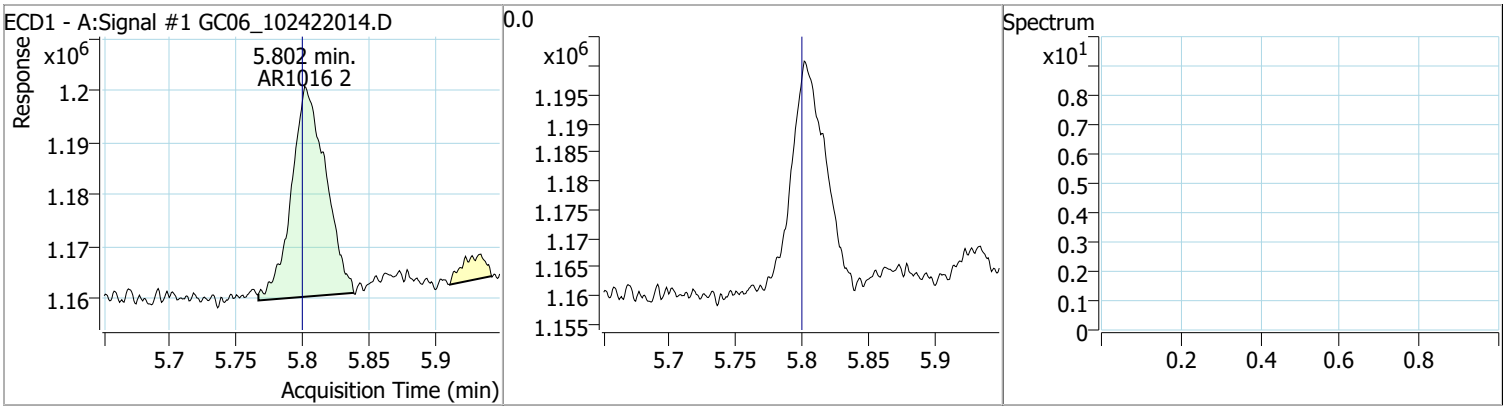
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	26.1951	5.46	0.00	28480				



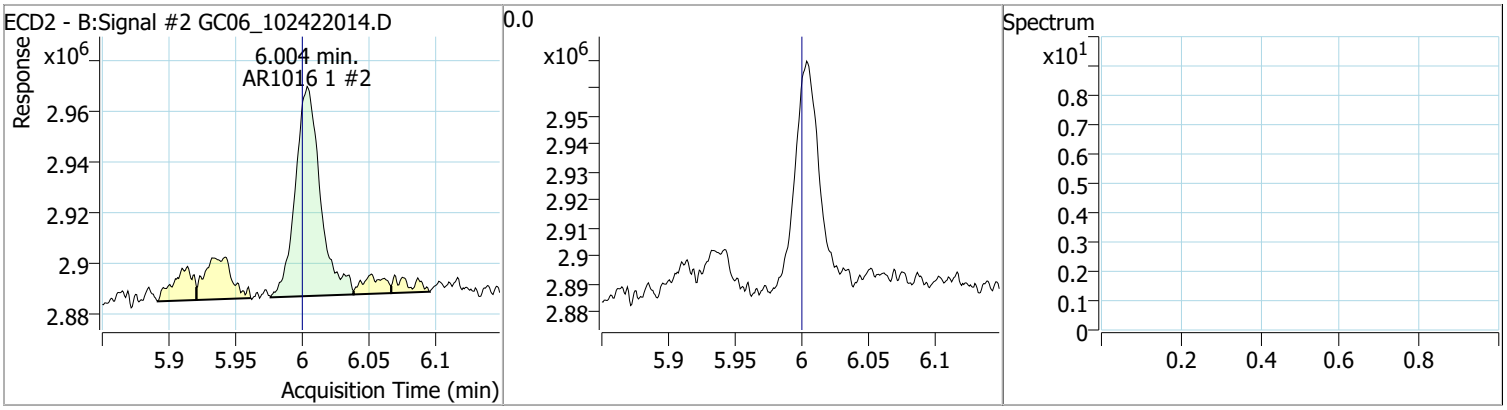
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.9329	5.50	0.00	390058				



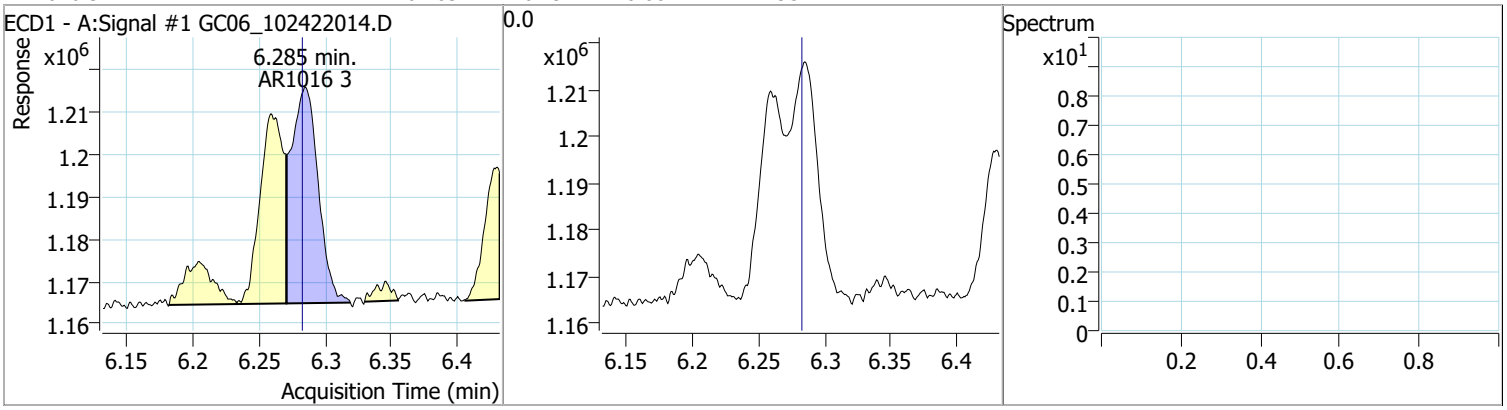
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	18.4116	5.80	0.00	73072				



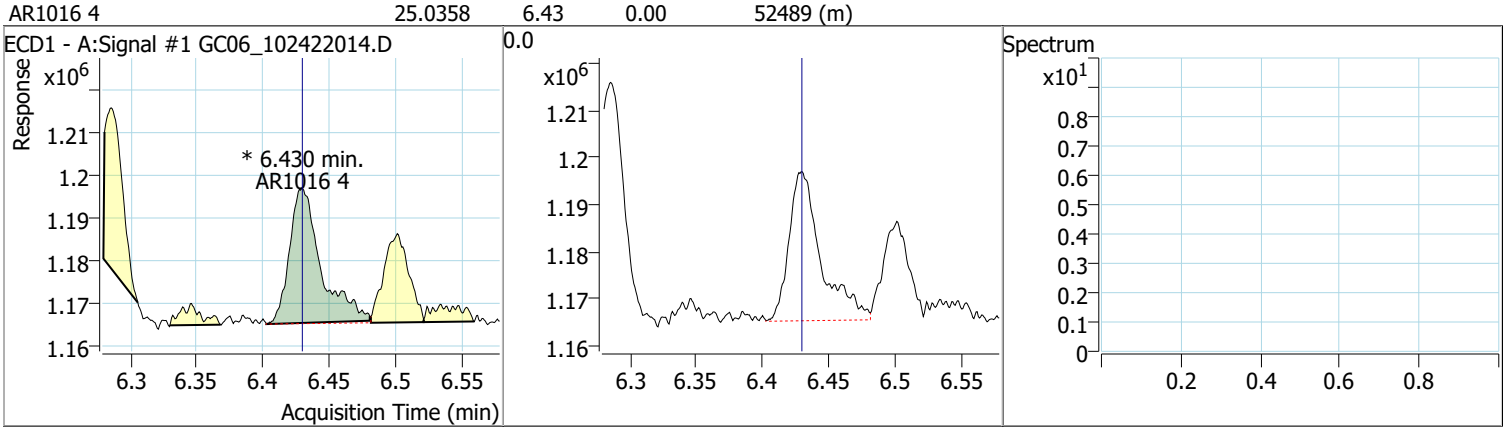
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	24.8502	6.00	0.00	108525				



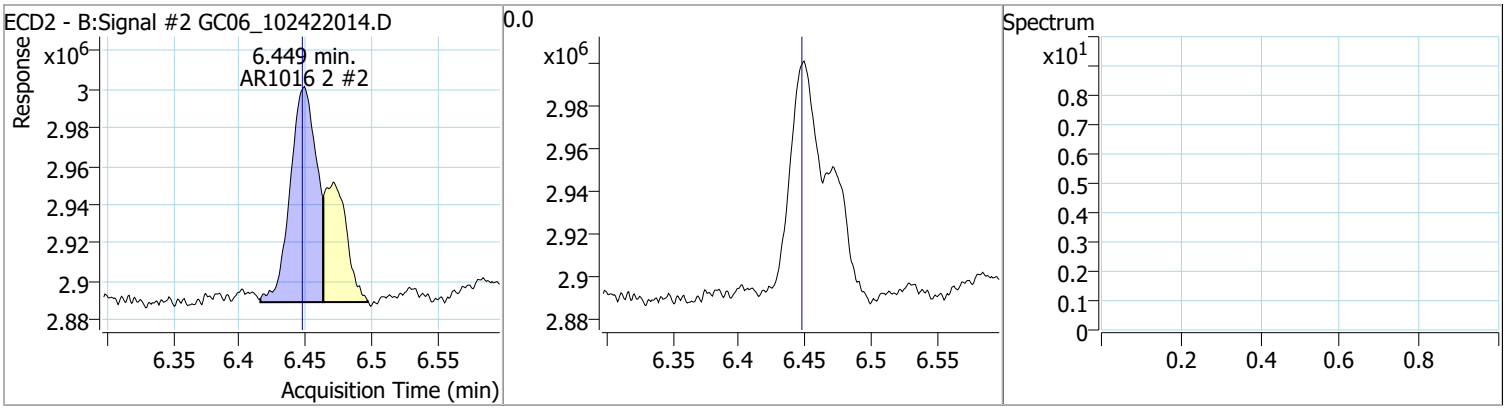
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	26.1037	6.29	0.00	71957				



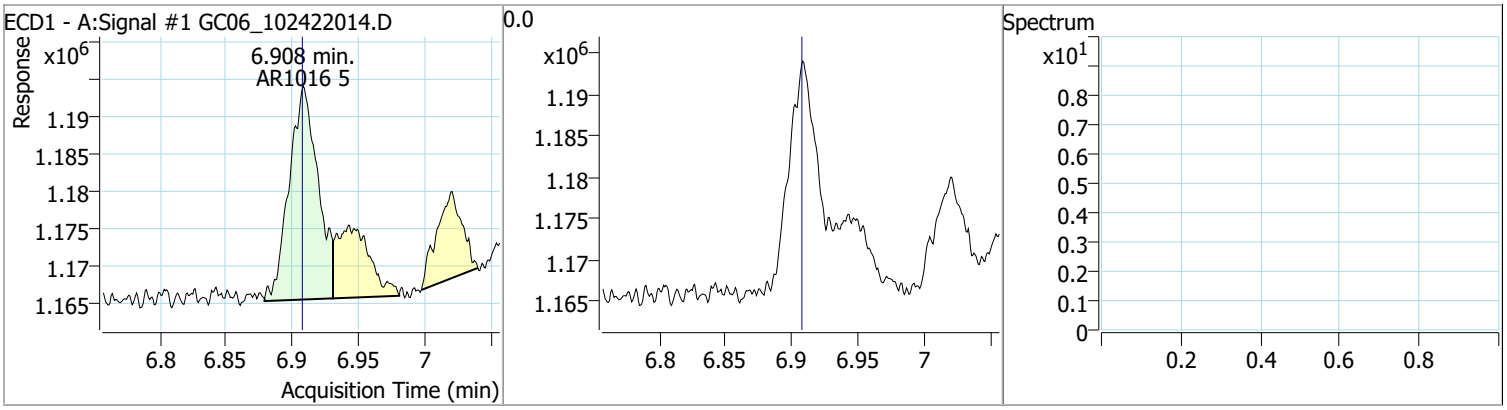
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	25.0358	6.43	0.00	52489 (m)				



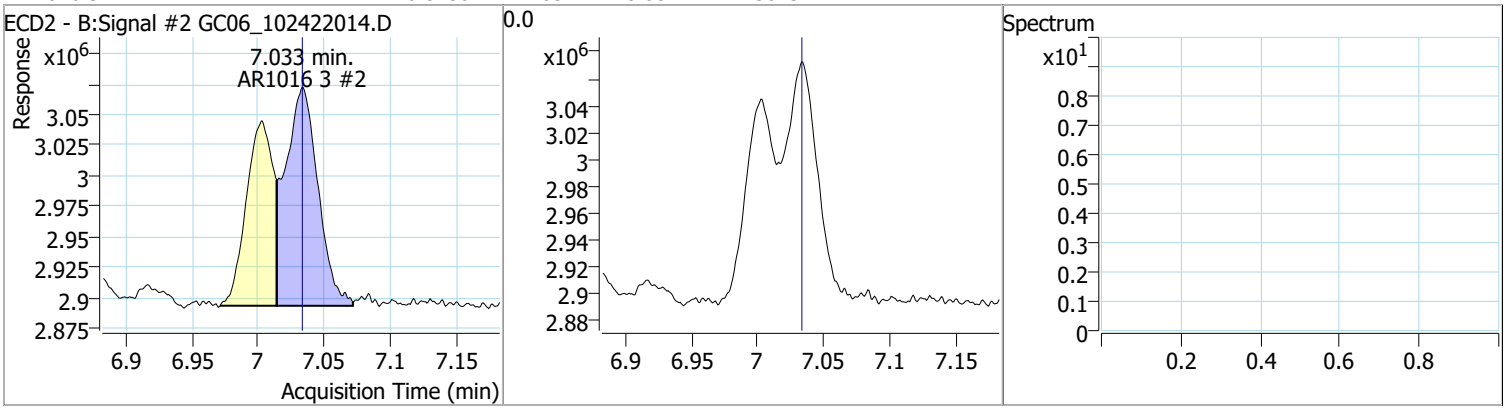
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	24.5828	6.45	0.00	154975				



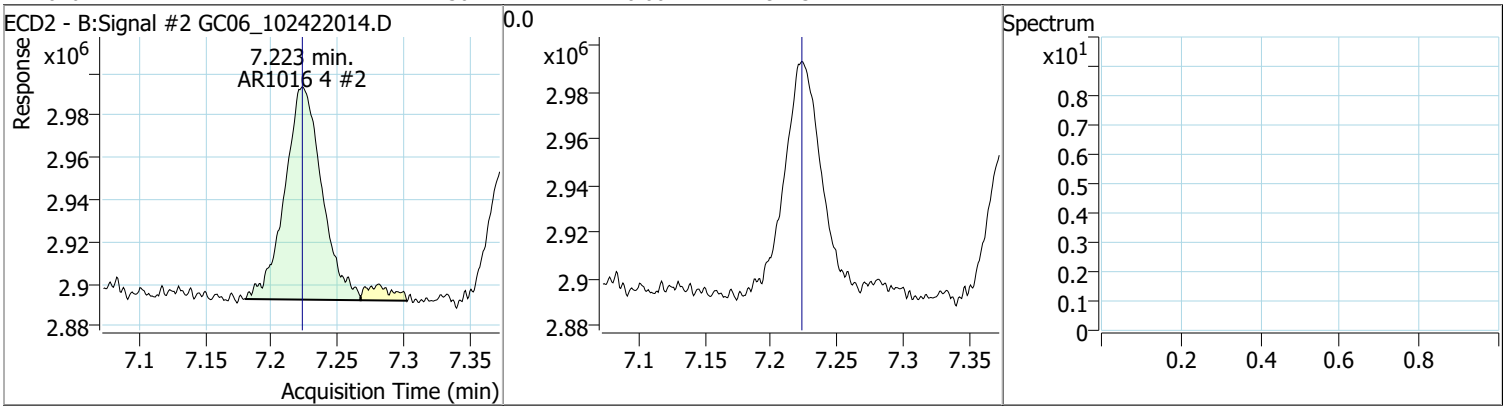
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	25.6262	6.91	0.00	43275				



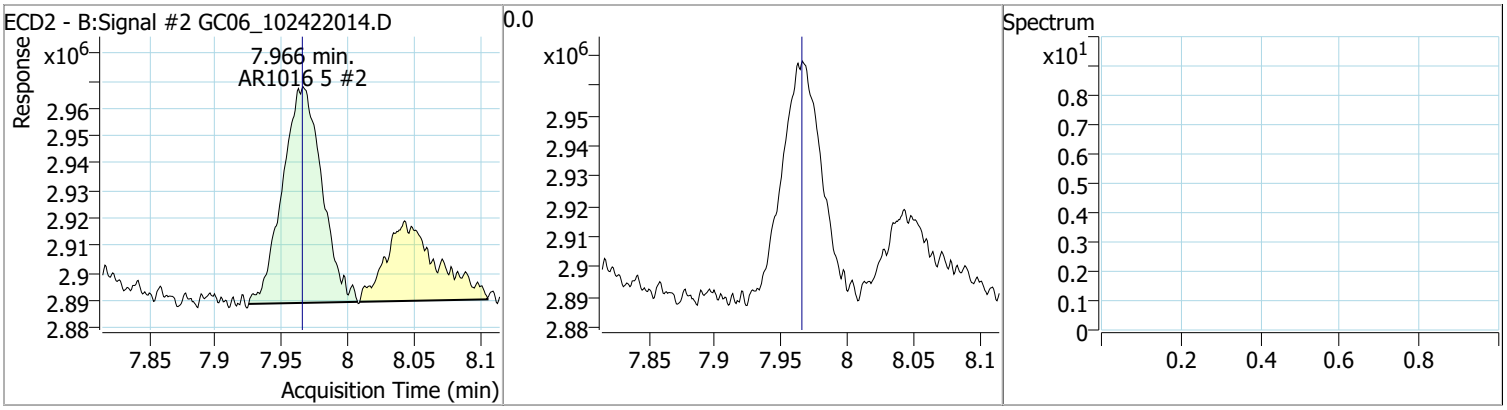
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	26.8286	7.03	0.00	307317				



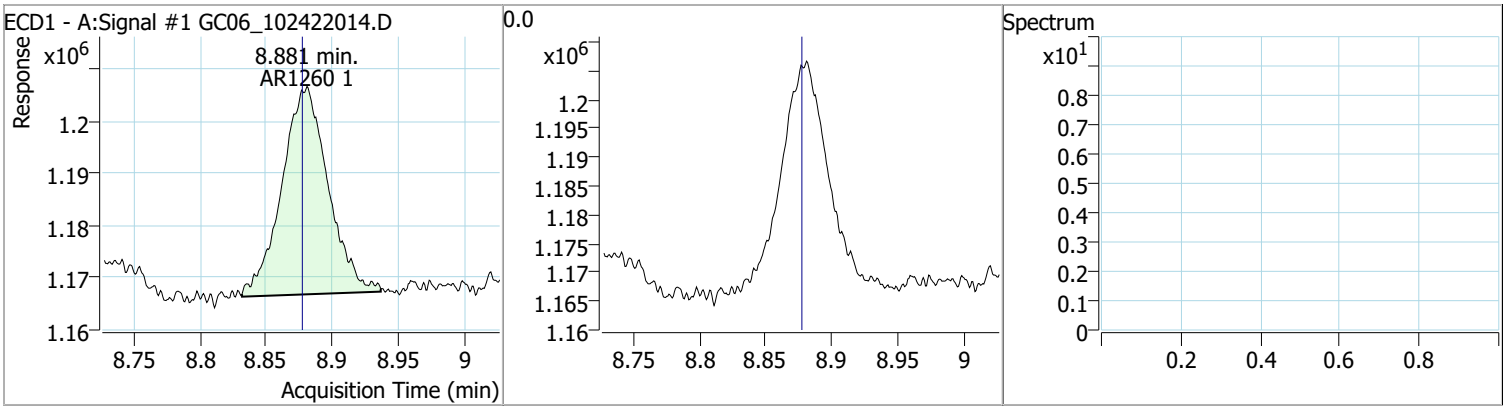
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	24.1430	7.22	0.00	197434				



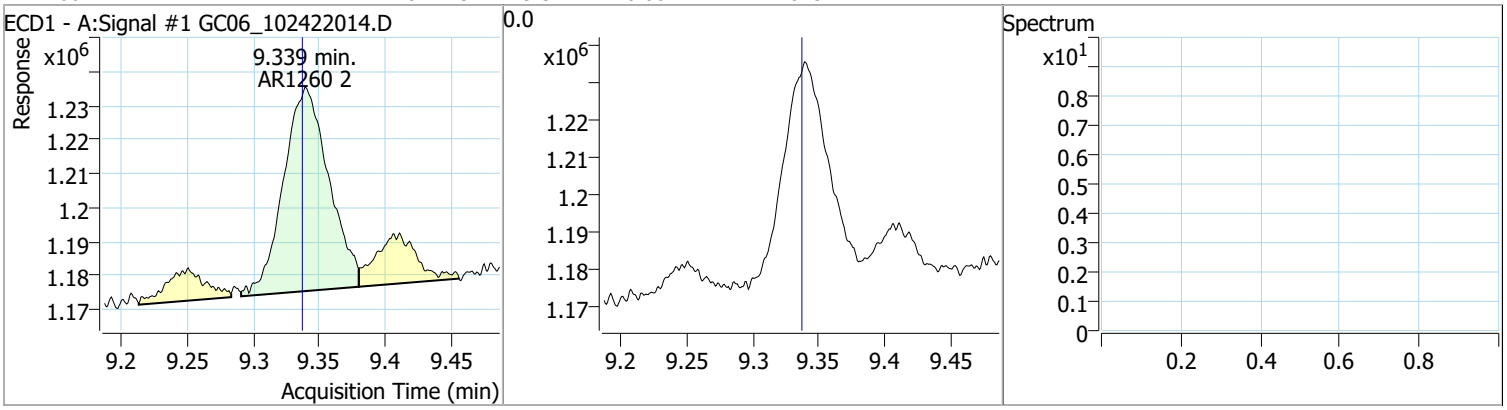
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	24.5634	7.97	0.00	163278				



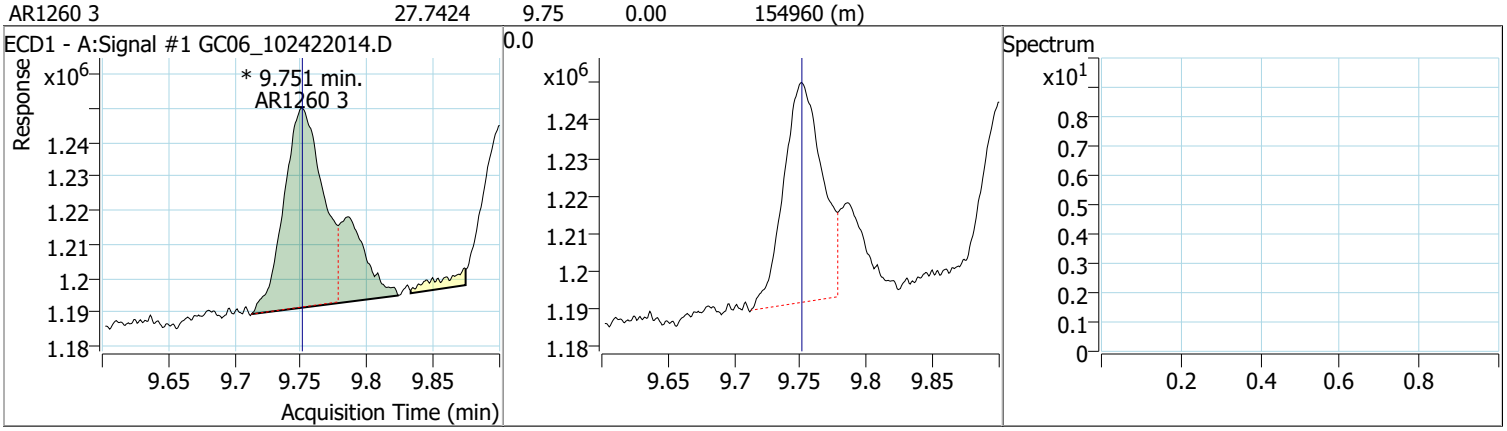
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	27.7000	8.88	0.00	97121				



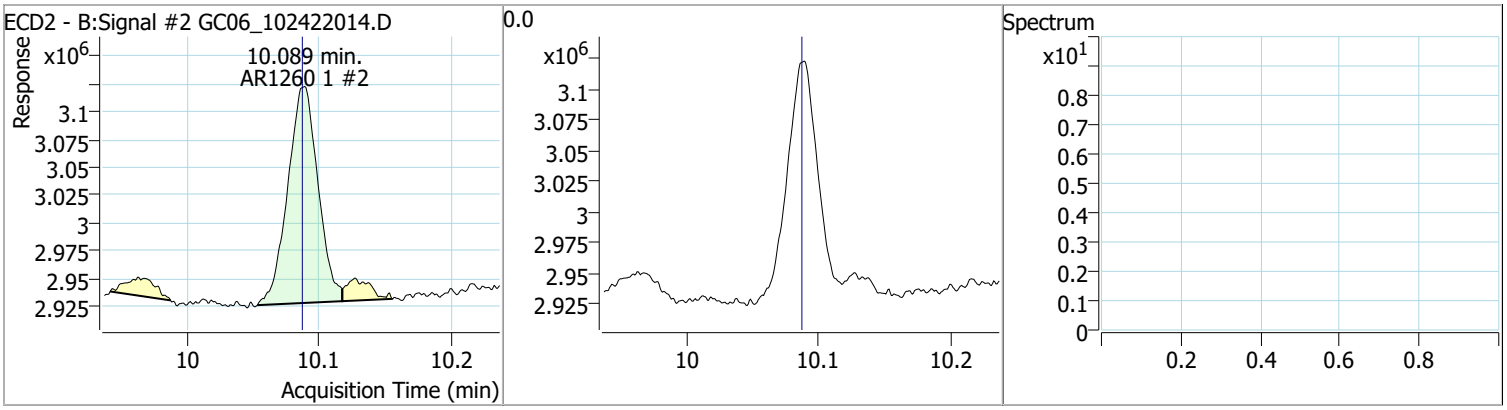
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	26.7243	9.34	0.00	142815				



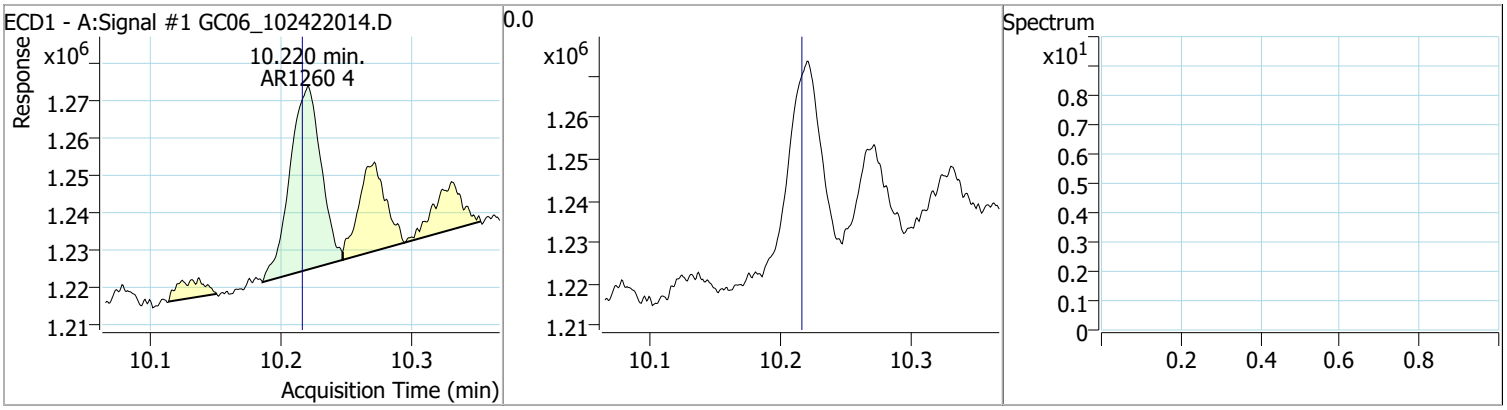
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	27.7424	9.75	0.00	154960 (m)				



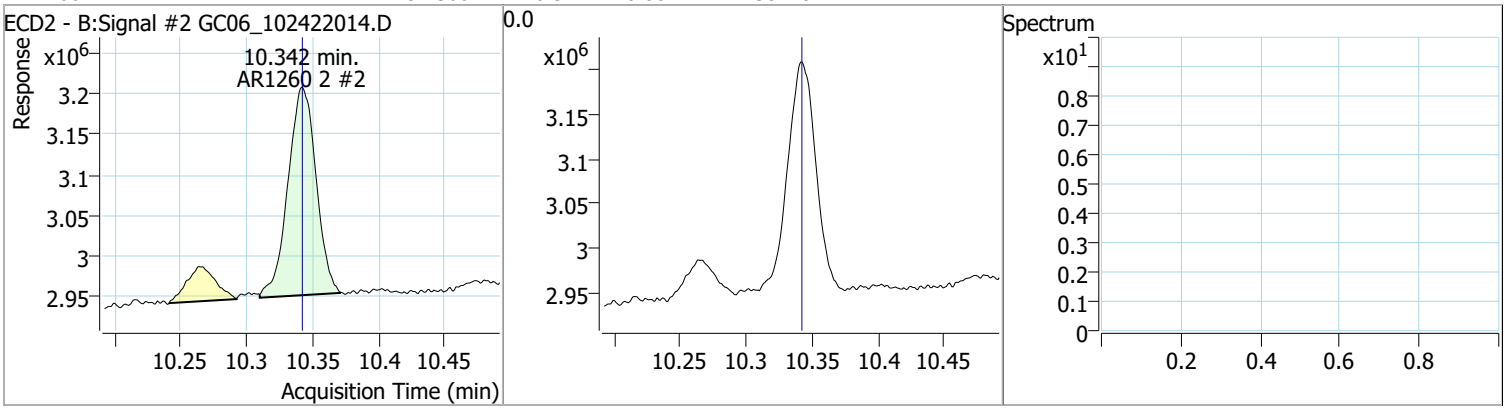
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	24.8911	10.09	0.00	311262				



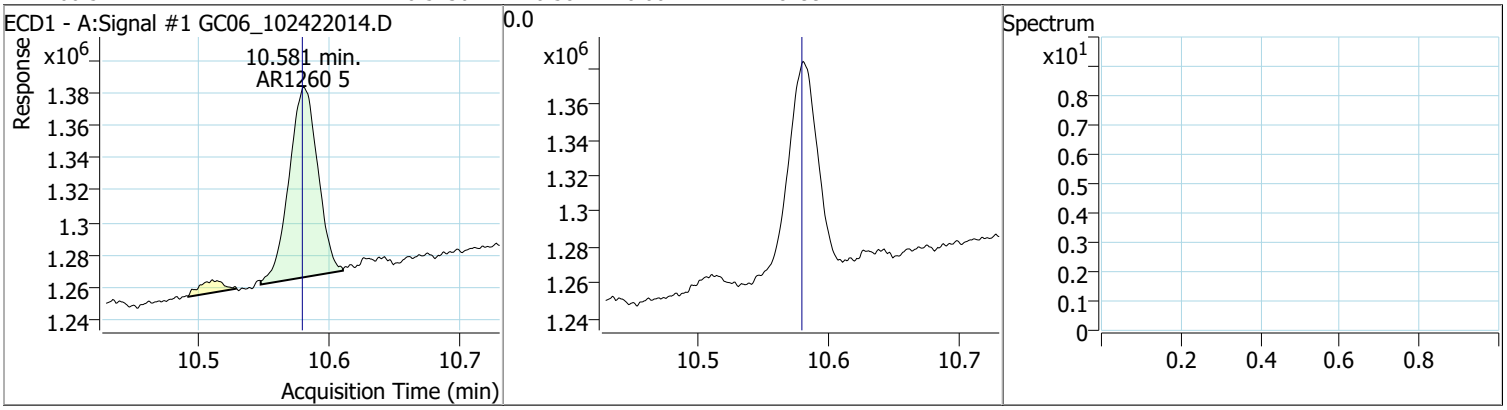
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	11.8240	10.22	0.00	80436				



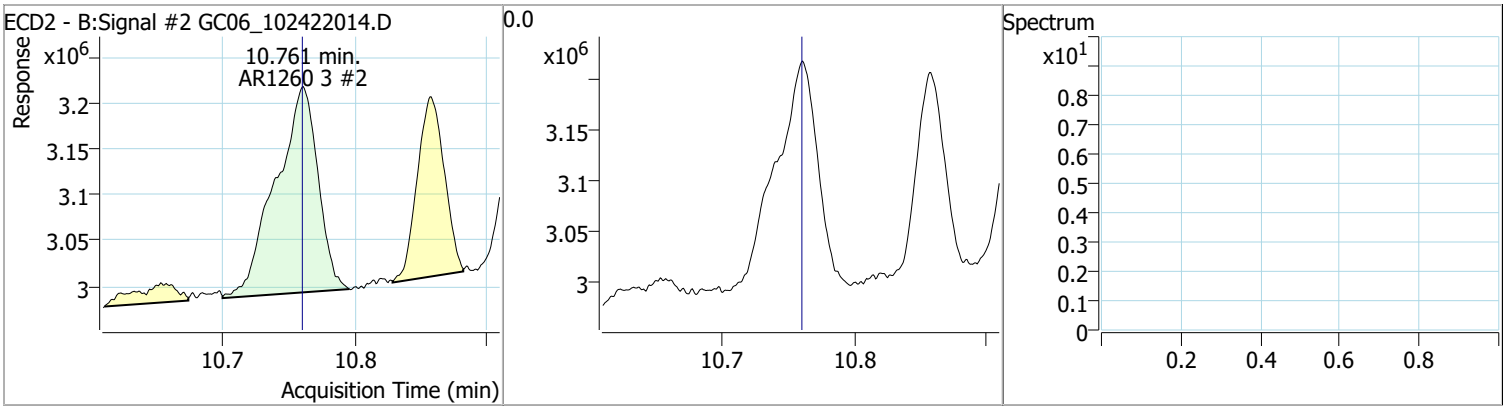
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	25.4368	10.34	0.00	382187				



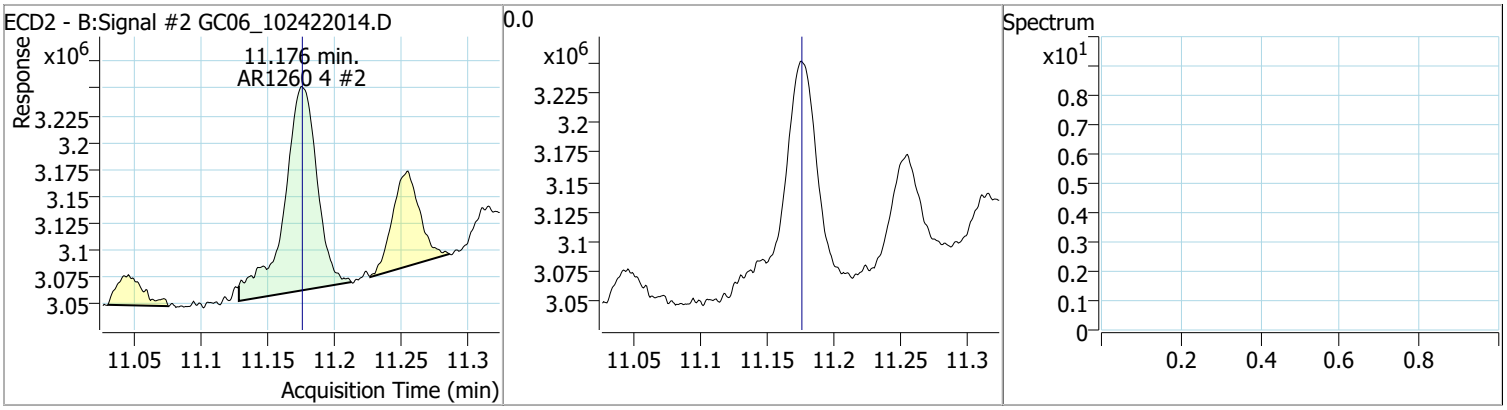
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	10.5736	10.58	0.00	178299				



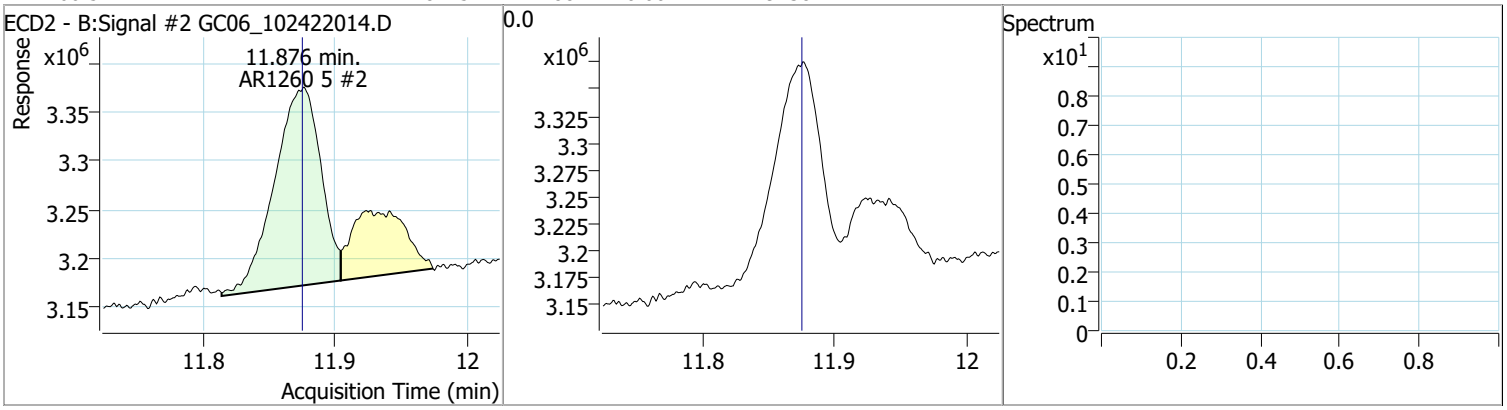
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	26.2151	10.76	0.00	498567				



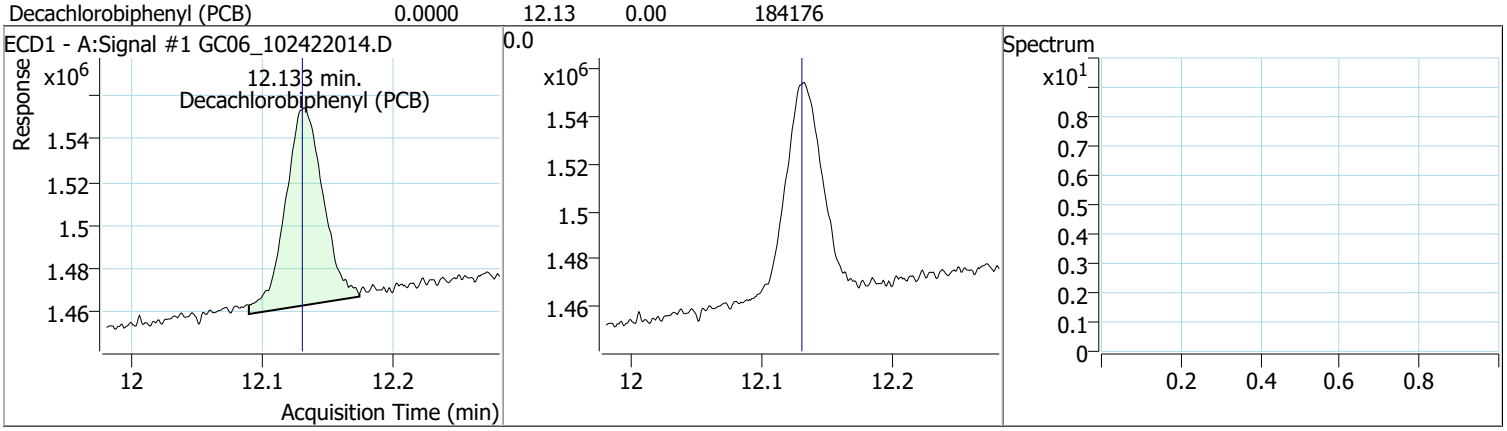
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	7.9351	11.18	0.00	329728				



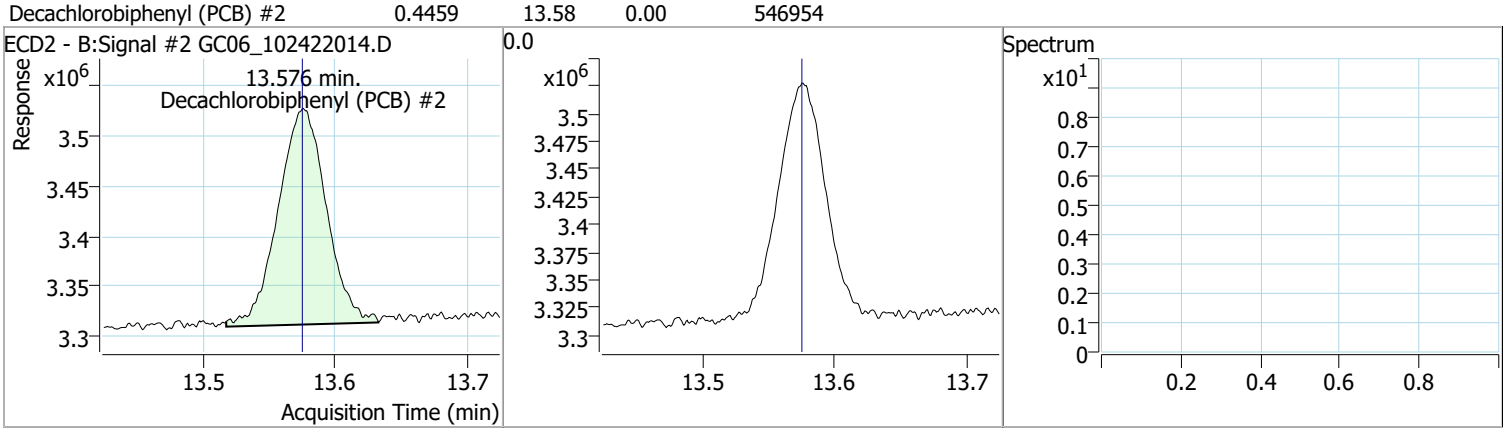
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	12.8115	11.88	0.00	497381				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	0.0000	12.13	0.00	184176				

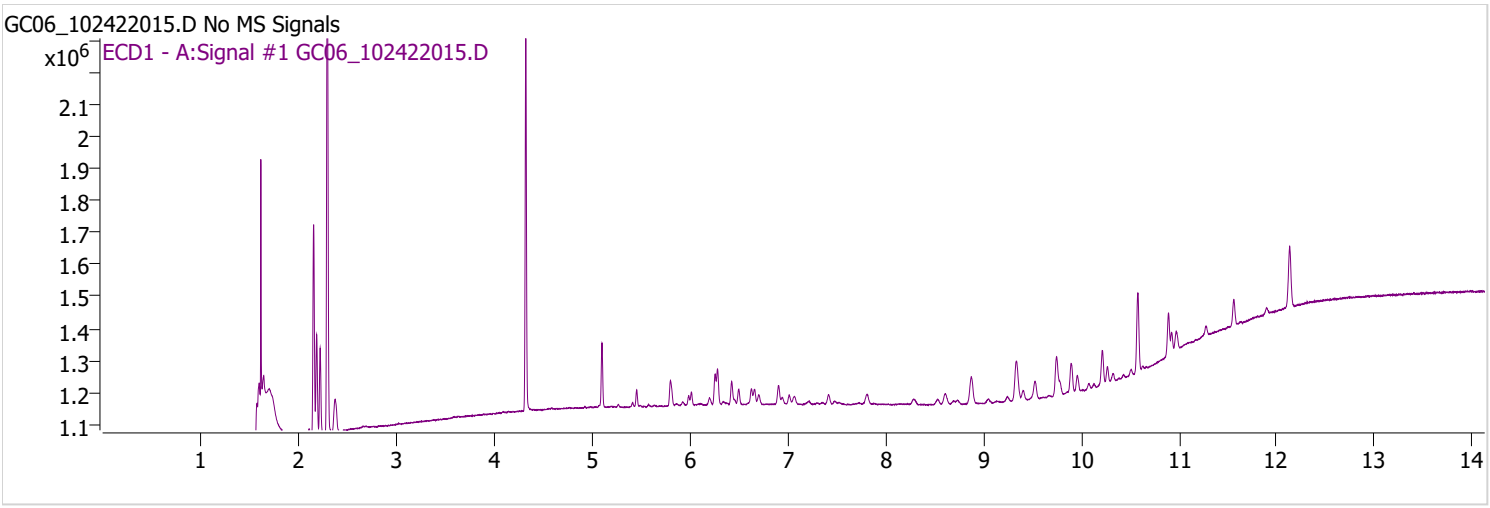


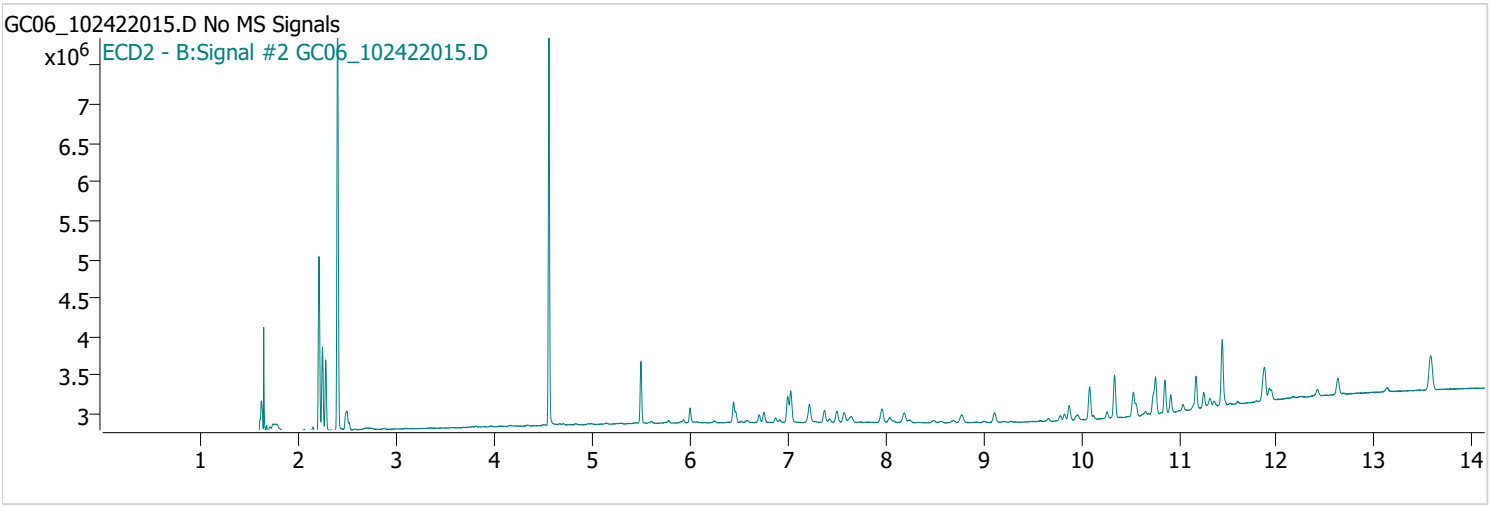
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	0.4459	13.58	0.00	546954				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422015.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 5:44:04 PM
Sample Name	ICAL, S17264	Instrument	SVOA-GC06
Vial	12	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



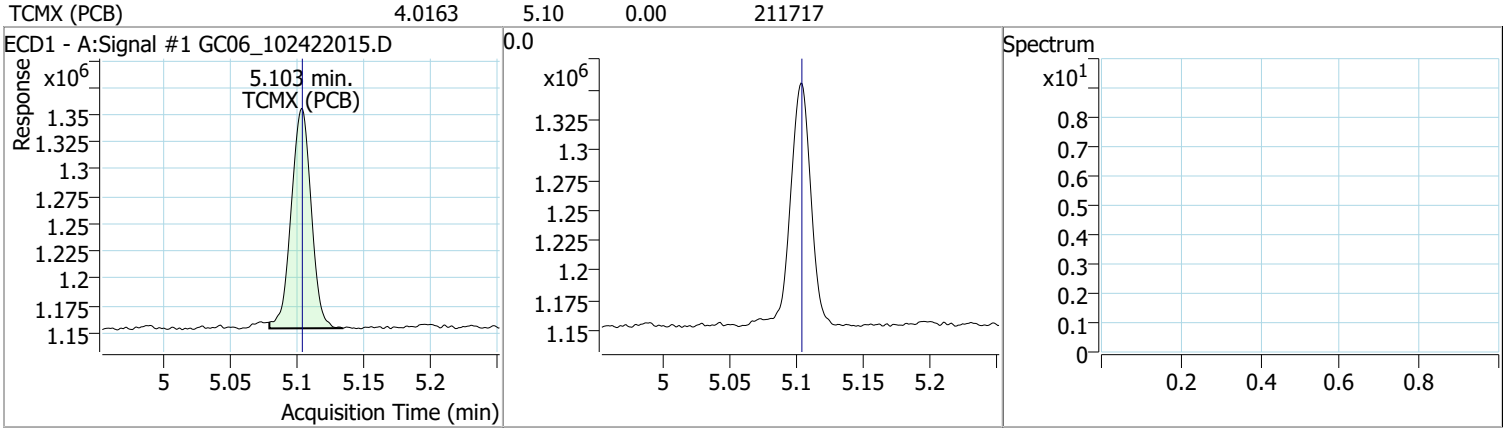


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1096423.491	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	4414084.352	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	211717.395	4.0163	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.08%		*	
S TCMX (PCB) #2	5.502	0.0	880844.251	4.1552	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.78%		*	
S Decachlorobiphenyl (PCB)	12.132	0.0	366663.673	1.1956	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.98%		*	
S Decachlorobiphenyl (PCB) #2	13.575	0.0	1117873.667	2.8657	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 14.33%		*	
Target Compounds							**QValue**
T AR1016 1	5.458	0.0	62800.739	54.6321	ng/ml		100
T AR1016 2	5.803	0.0	135262.778	43.7895	ng/ml		100

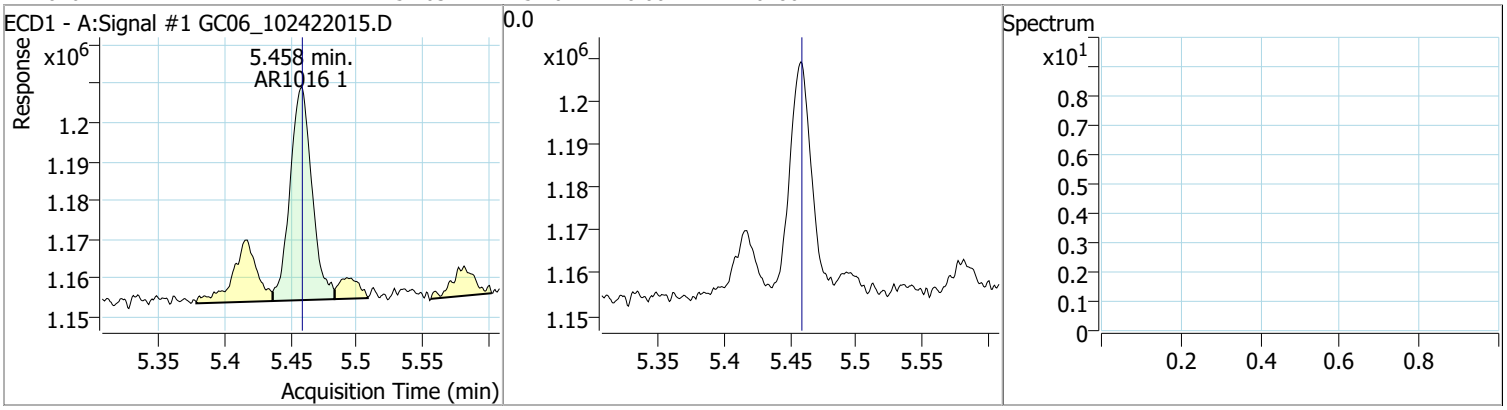
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1 #2	6.004	0.0	246736.718	53.7828	ng/ml		100
T AR1016 3	6.284	0.0	156745.895	53.7814	ng/ml		100
T AR1016 4	6.429	0.0	121378.176	54.7573	ng/ml	m	100
T AR1016 2 #2	6.448	0.0	361879.943	54.6441	ng/ml	m	100
T AR1016 5	6.907	0.0	97415.221	54.5615	ng/ml		100
T AR1016 3 #2	7.033	0.0	652565.398	54.2308	ng/ml		100
T AR1016 4 #2	7.223	0.0	469712.957	54.6779	ng/ml		100
T AR1016 5 #2	7.964	0.0	370461.655	53.0536	ng/ml		100
T AR1260 1	8.878	0.0	198864.945	53.6454	ng/ml		100
T AR1260 2	9.339	0.0	301488.499	53.3592	ng/ml		100
T AR1260 3	9.749	0.0	298525.793	50.5491	ng/ml		100
T AR1260 1 #2	10.088	0.0	703926.868	53.5865	ng/ml		100
T AR1260 4	10.215	0.0	180050.819	42.2826	ng/ml		100
T AR1260 2 #2	10.342	0.0	881097.856	55.8239	ng/ml		100
T AR1260 5	10.580	0.0	395492.284	42.0555	ng/ml		100
T AR1260 3 #2	10.760	0.0	1078261.882	53.9712	ng/ml		100
T AR1260 4 #2	11.174	0.0	694396.452	39.6741	ng/ml		100
T AR1260 5 #2	11.873	0.0	1020309.367	42.7953	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

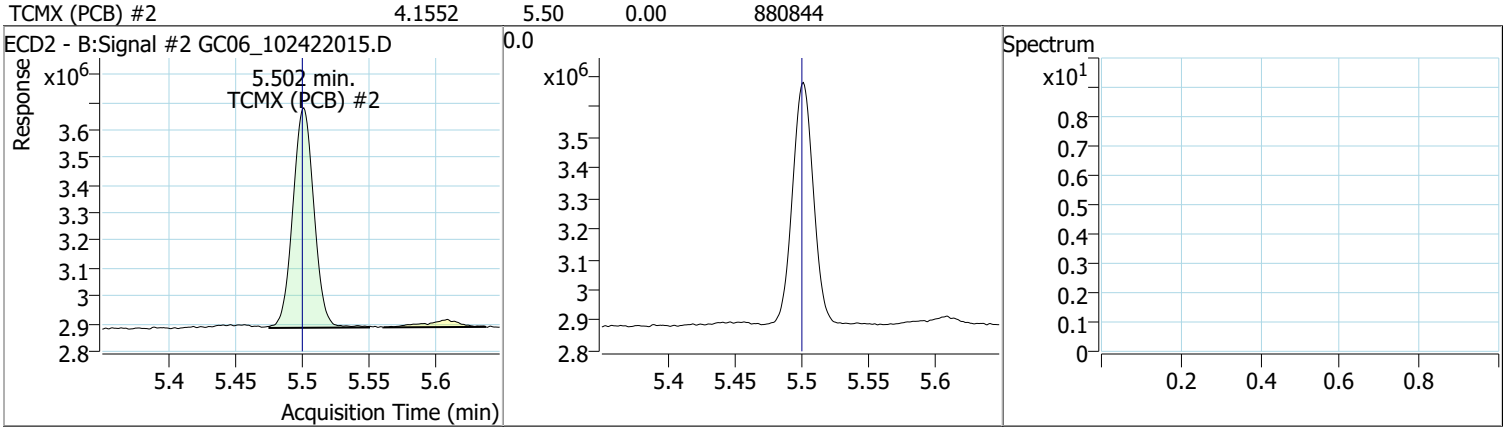
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	4.0163	5.10	0.00	211717				



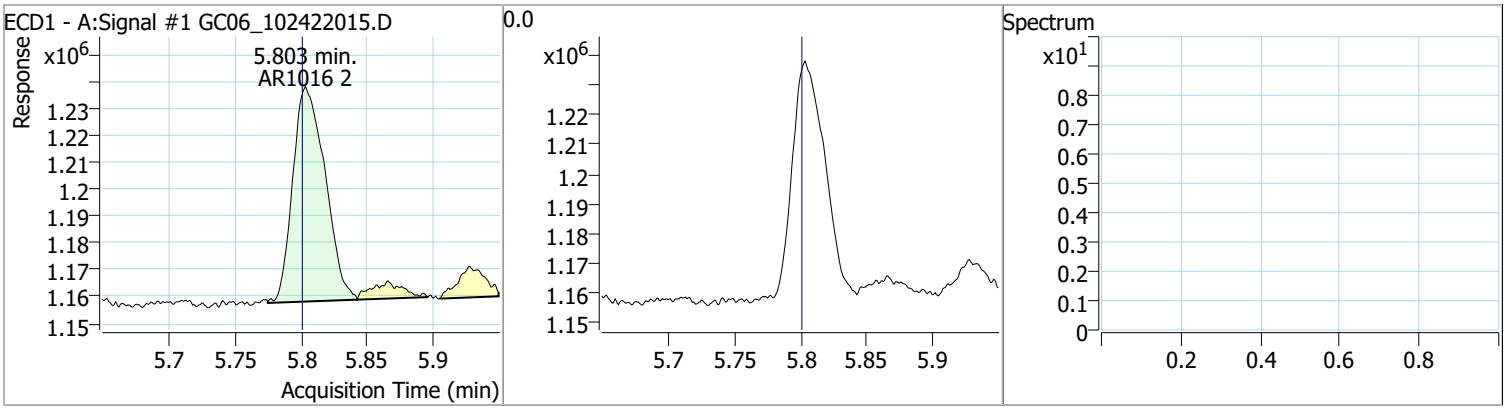
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	54.6321	5.46	0.00	62801				



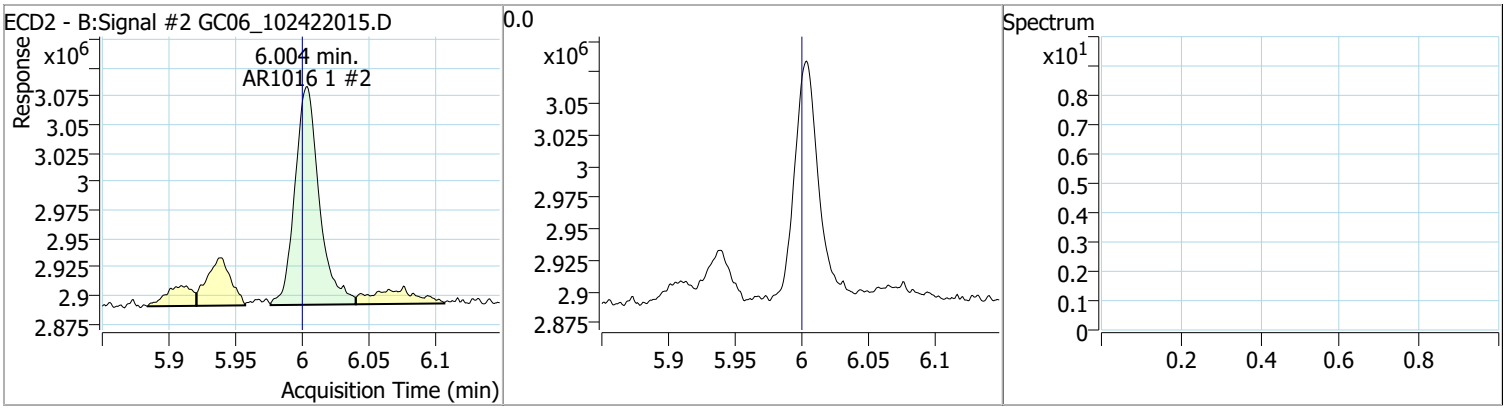
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.1552	5.50	0.00	880844				



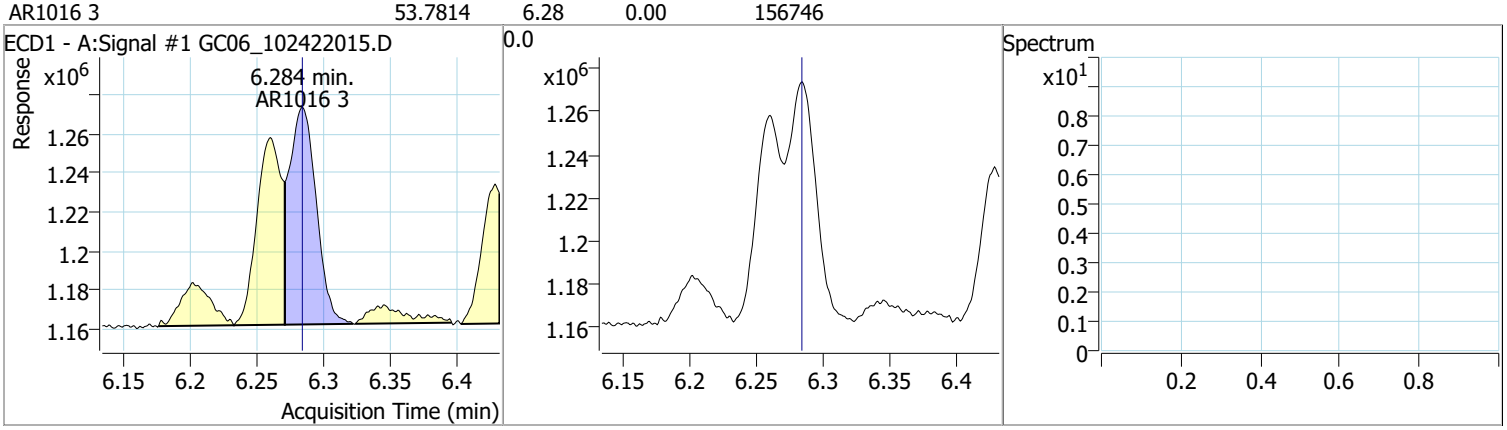
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	43.7895	5.80	0.00	135263				



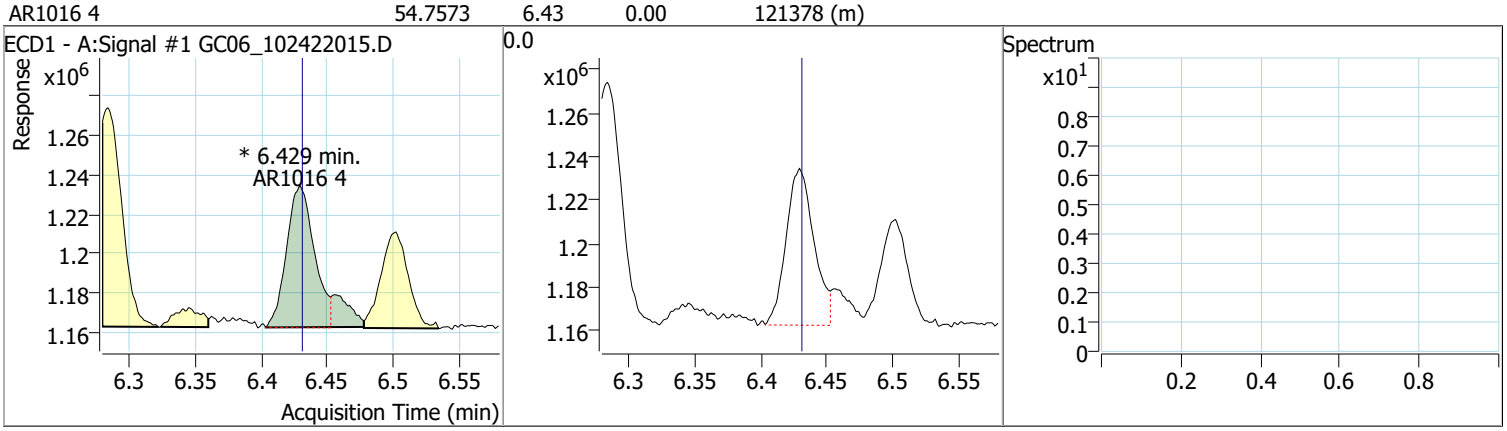
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	53.7828	6.00	0.00	246737				



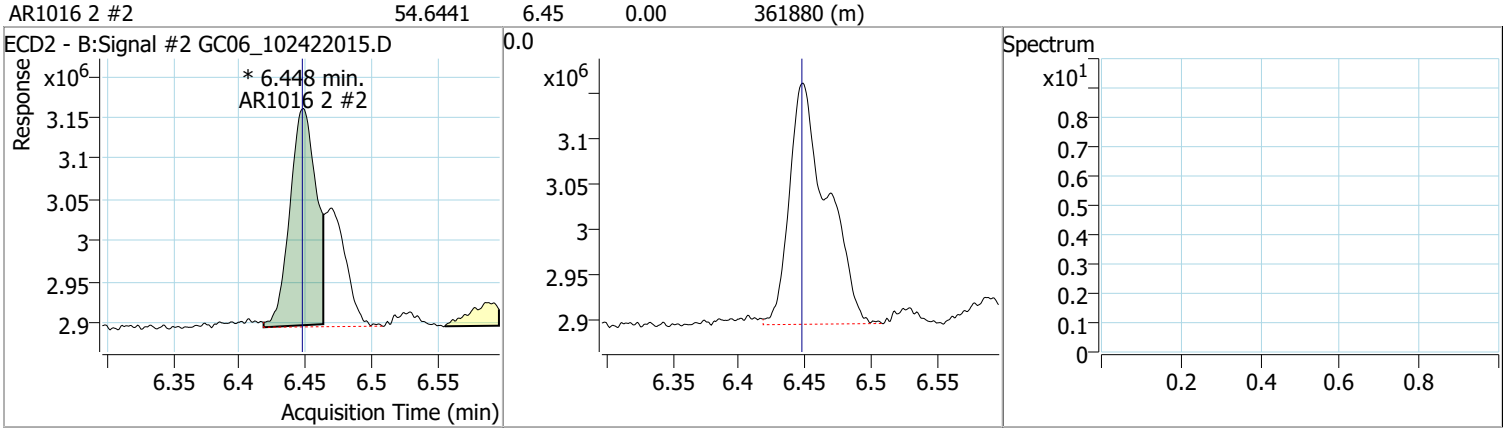
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	53.7814	6.28	0.00	156746				



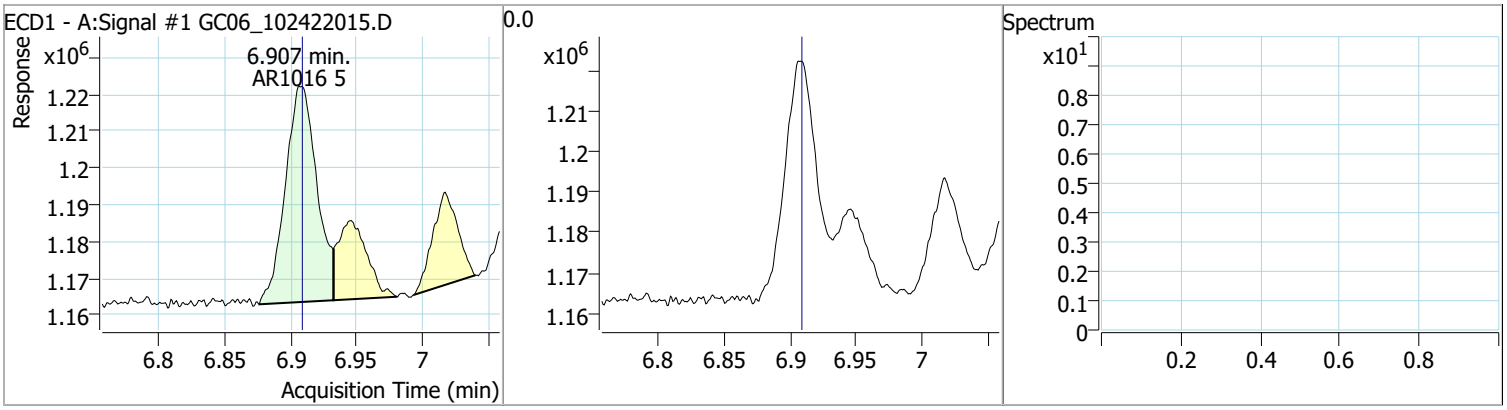
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	54.7573	6.43	0.00	121378 (m)				



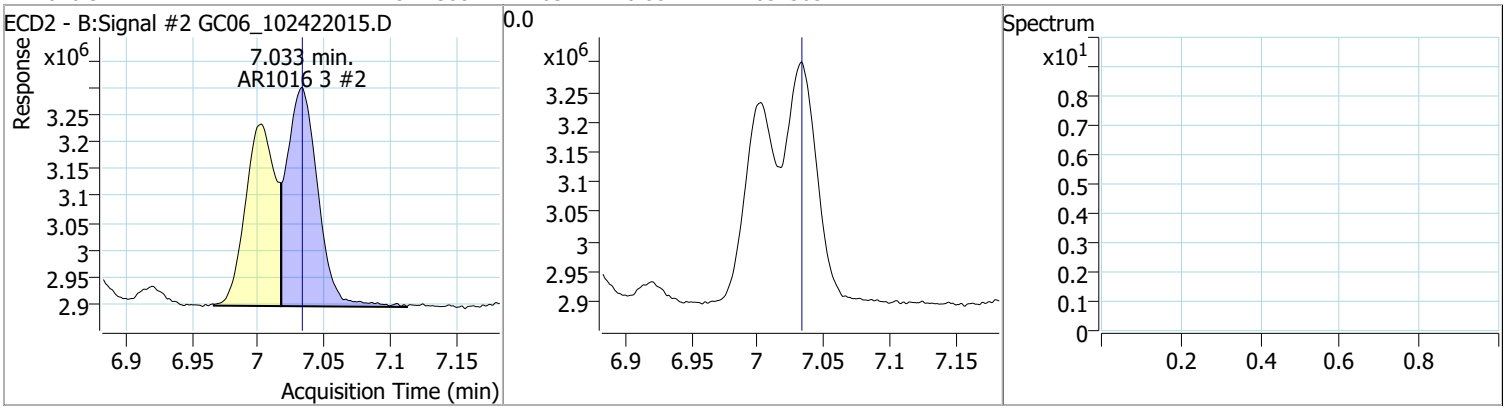
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	54.6441	6.45	0.00	361880 (m)				



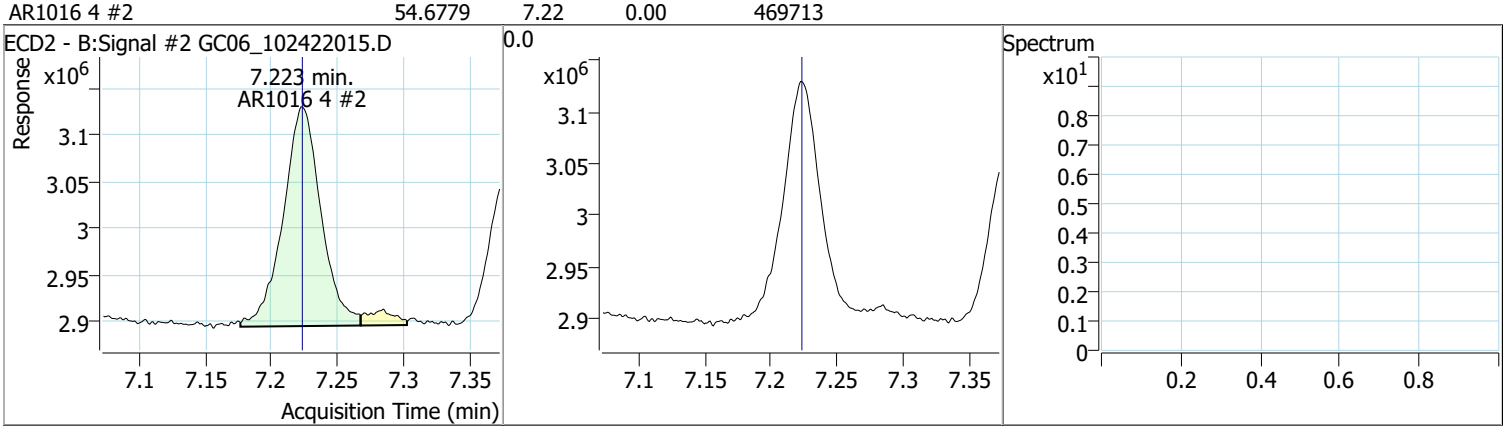
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	54.5615	6.91	0.00	97415				



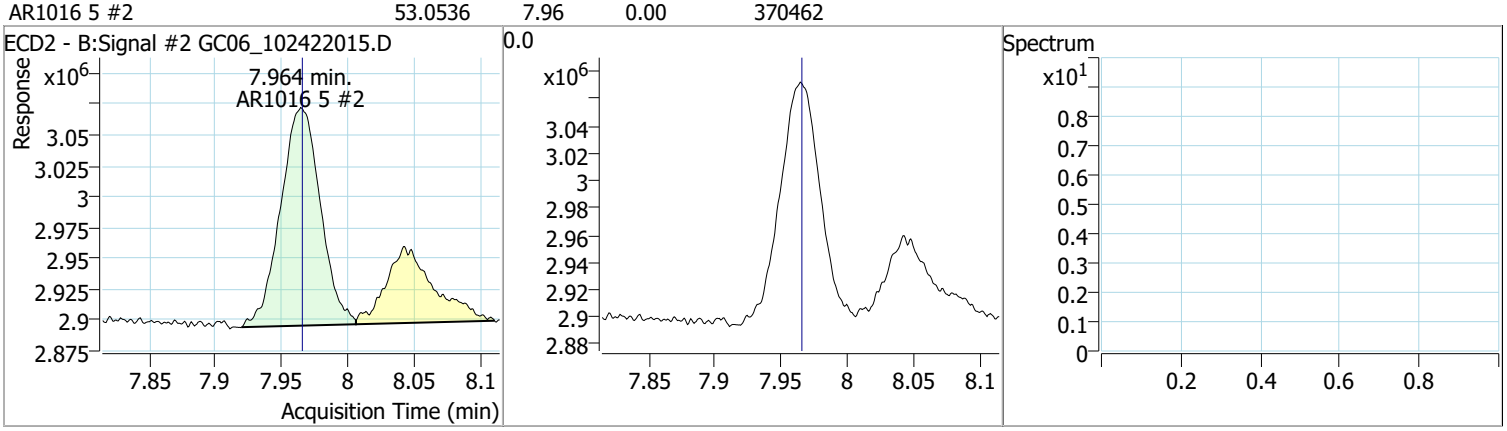
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	54.2308	7.03	0.00	652565				



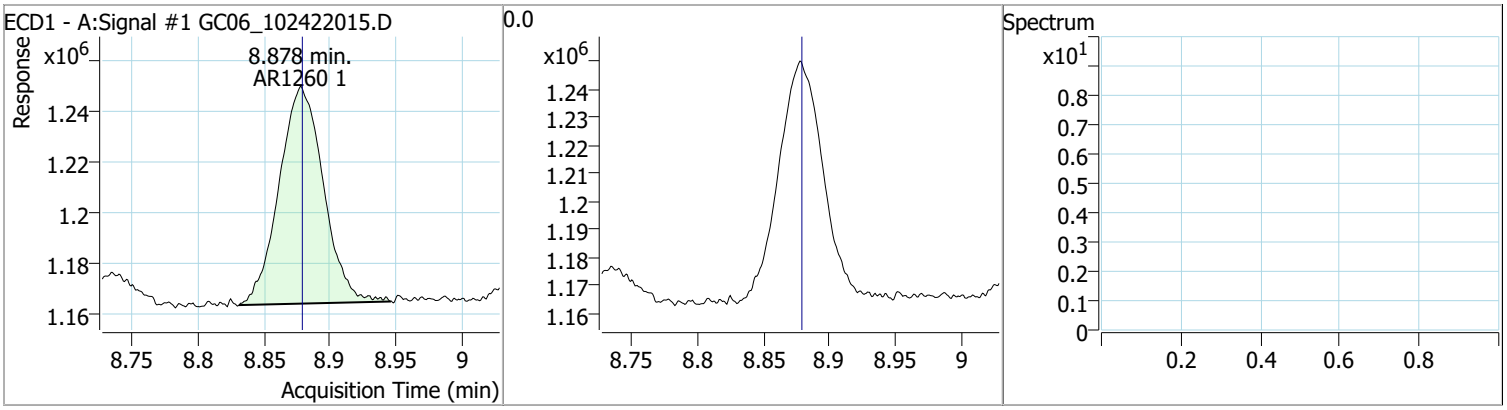
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	54.6779	7.22	0.00	469713				



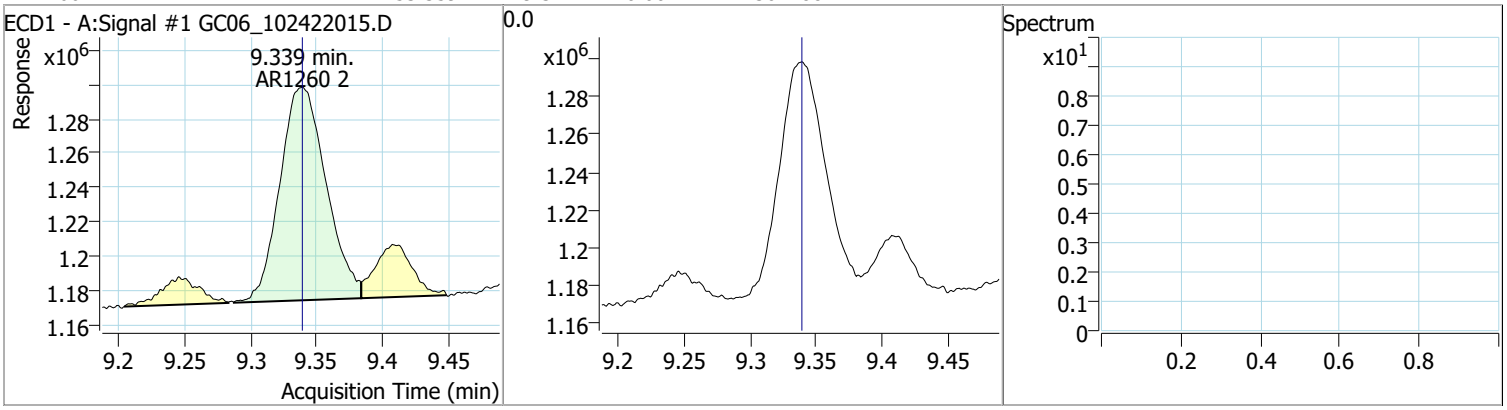
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	53.0536	7.96	0.00	370462				



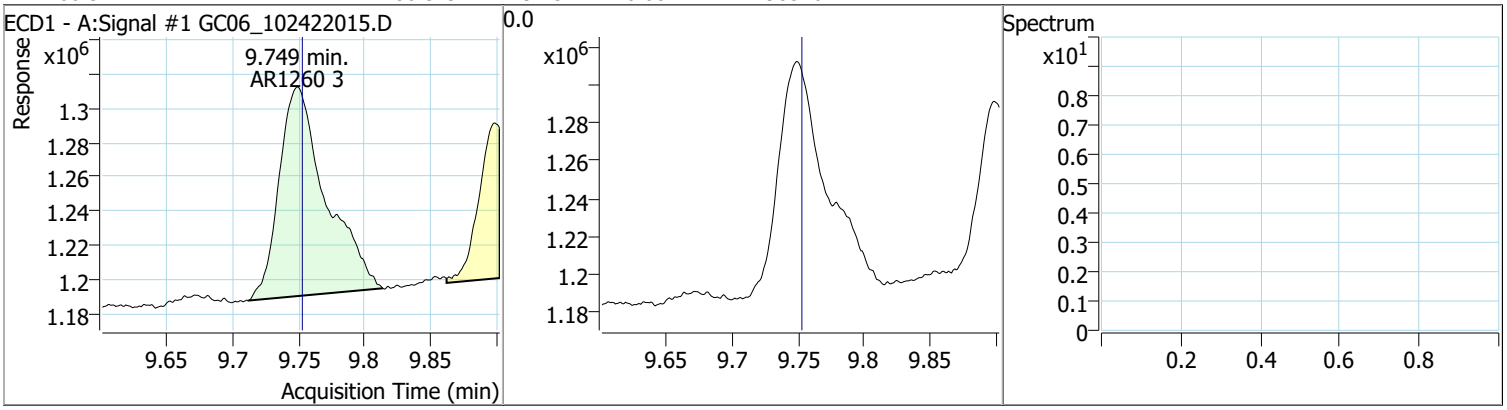
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	53.6454	8.88	0.00	198865				



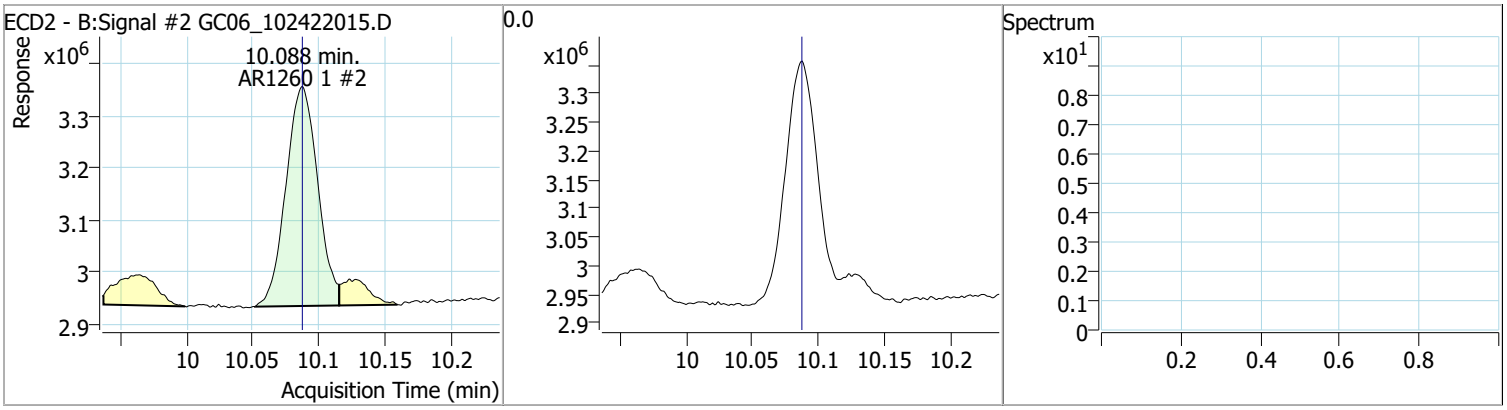
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	53.3592	9.34	0.00	301488				



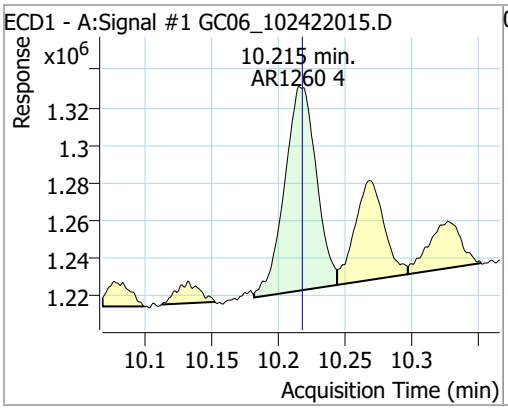
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	50.5491	9.75	0.00	298526				

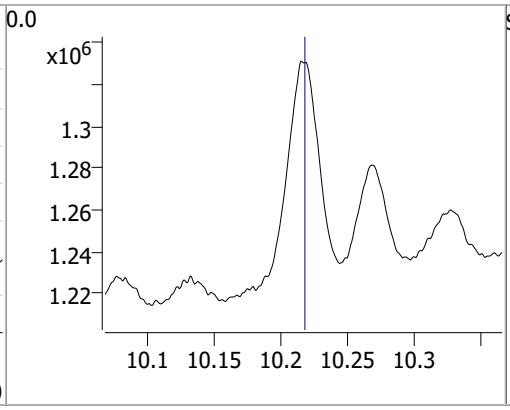


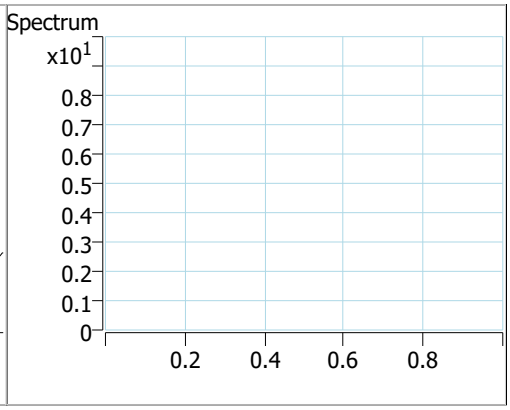
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	53.5865	10.09	0.00	703927				



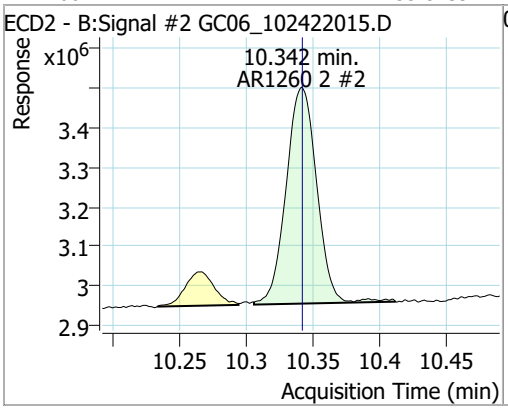
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	42.2826	10.22	0.00	180051				

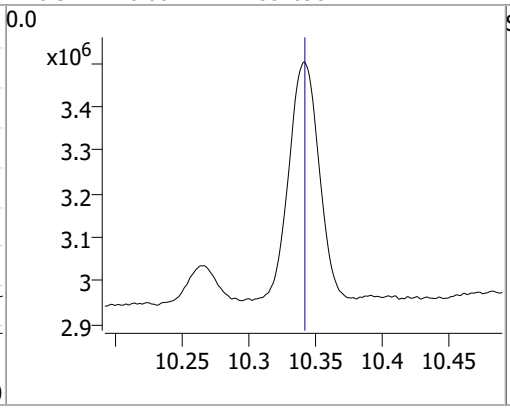


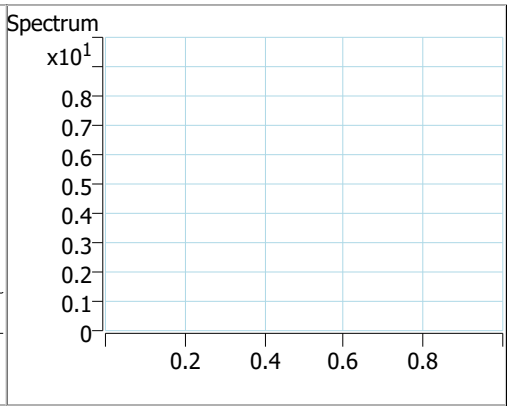




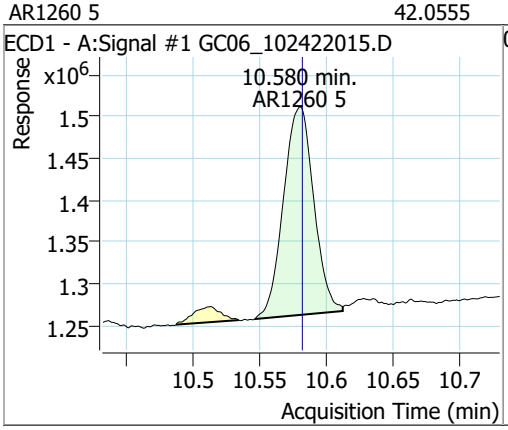
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	55.8239	10.34	0.00	881098				

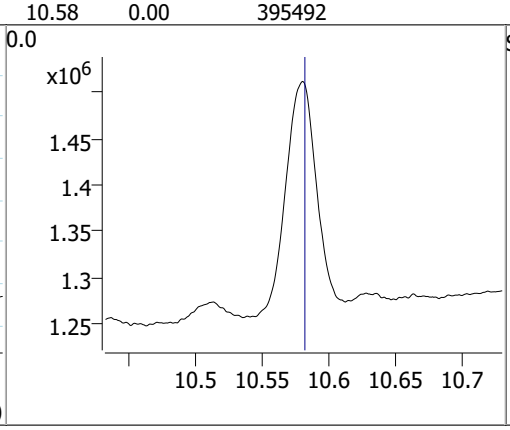


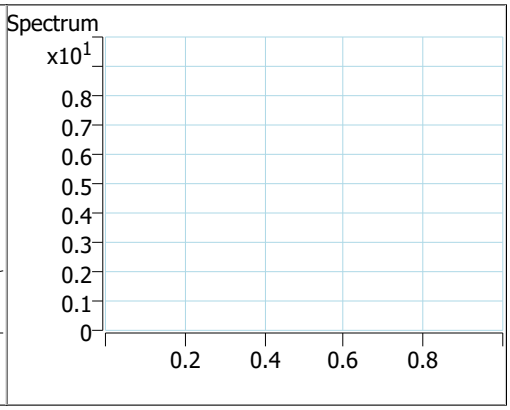




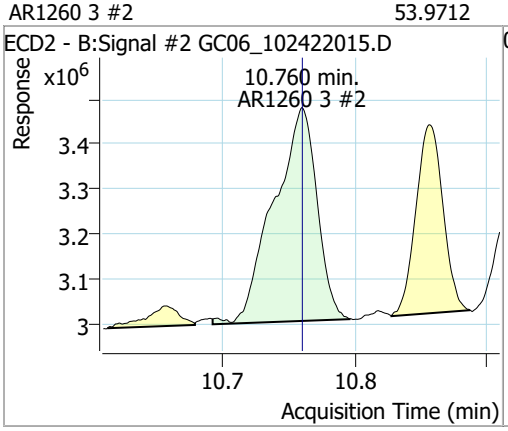
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	42.0555	10.58	0.00	395492				

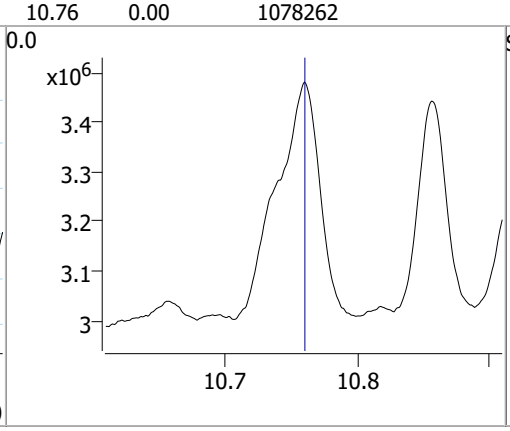


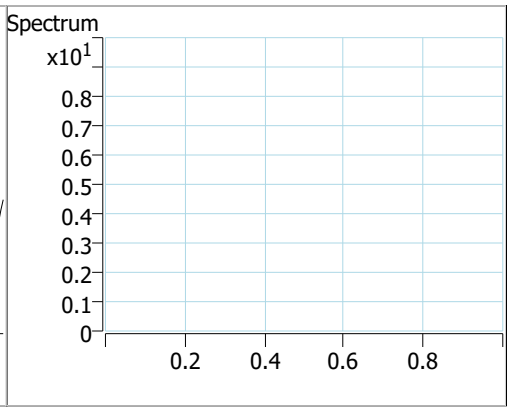




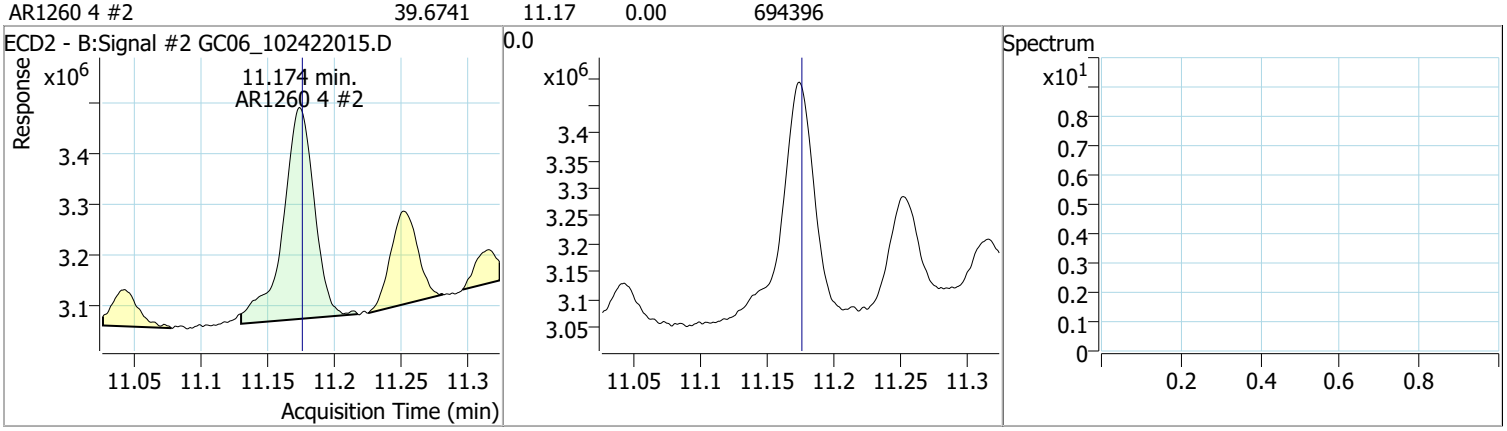
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	53.9712	10.76	0.00	1078262				



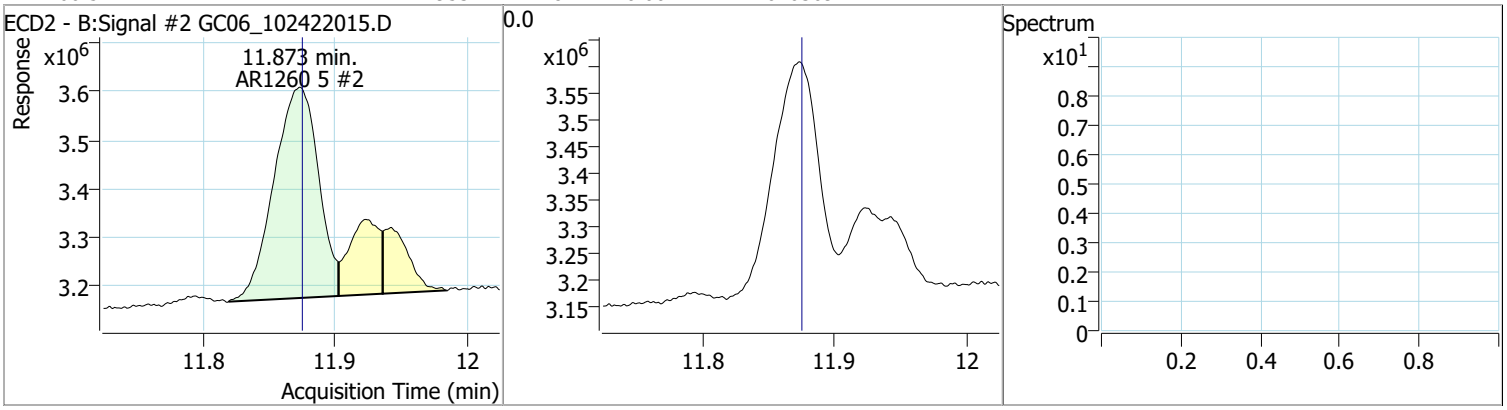




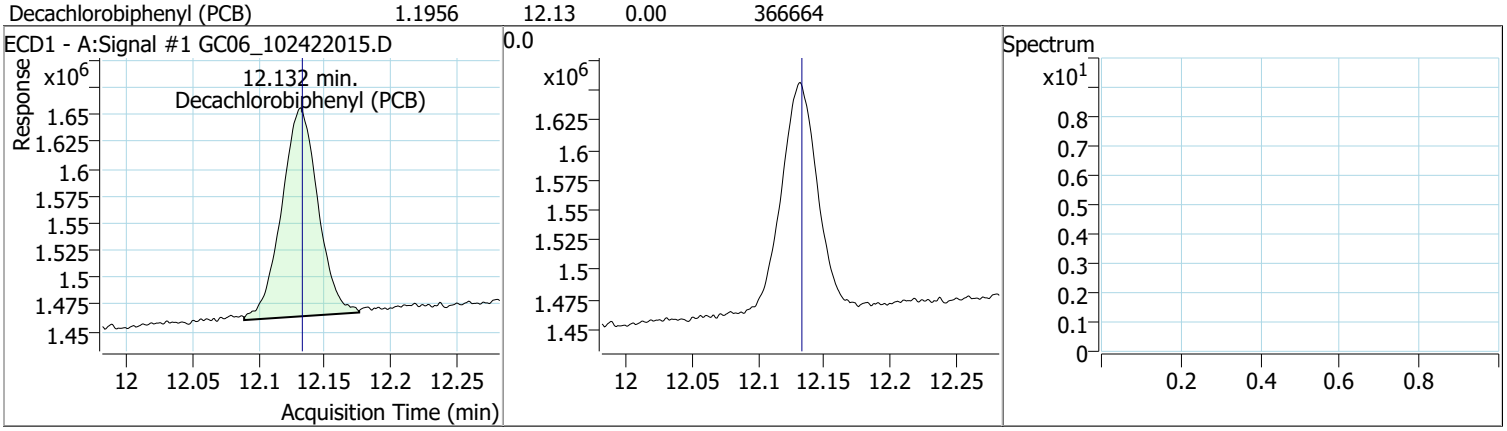
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	39.6741	11.17	0.00	694396				



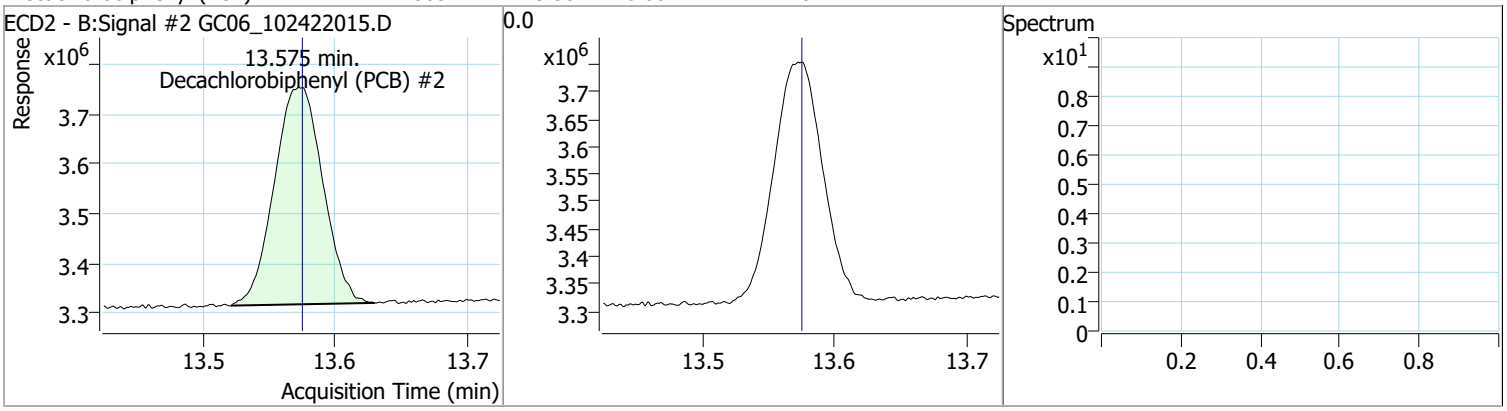
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	42.7953	11.87	0.00	1020309				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.1956	12.13	0.00	366664				

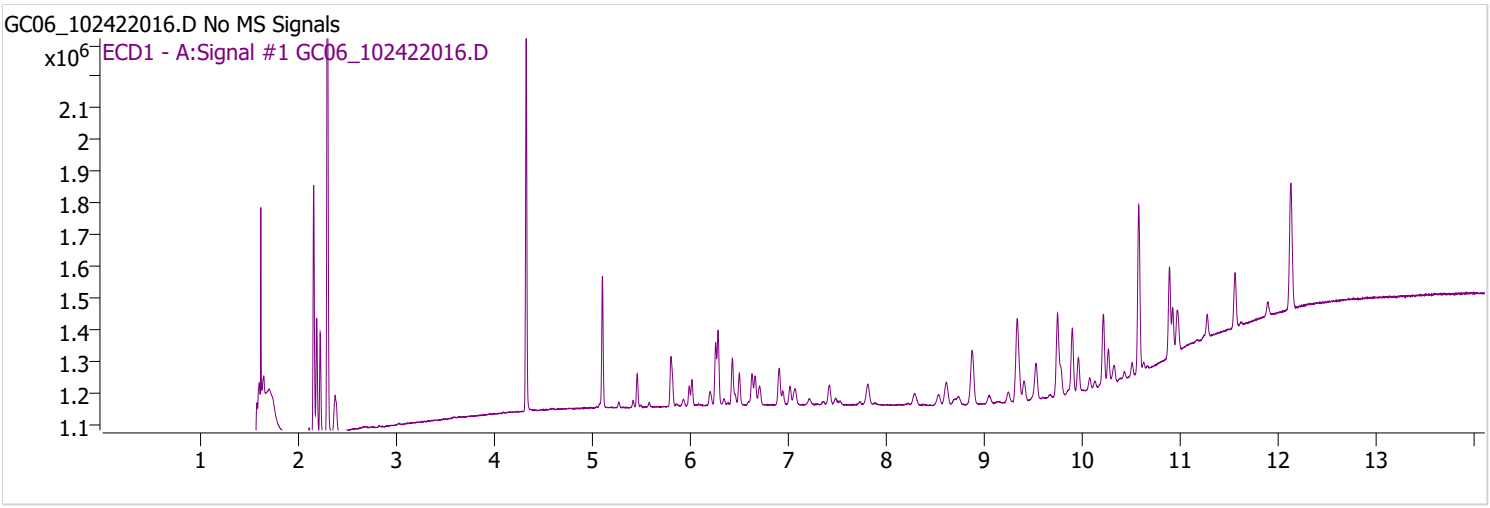


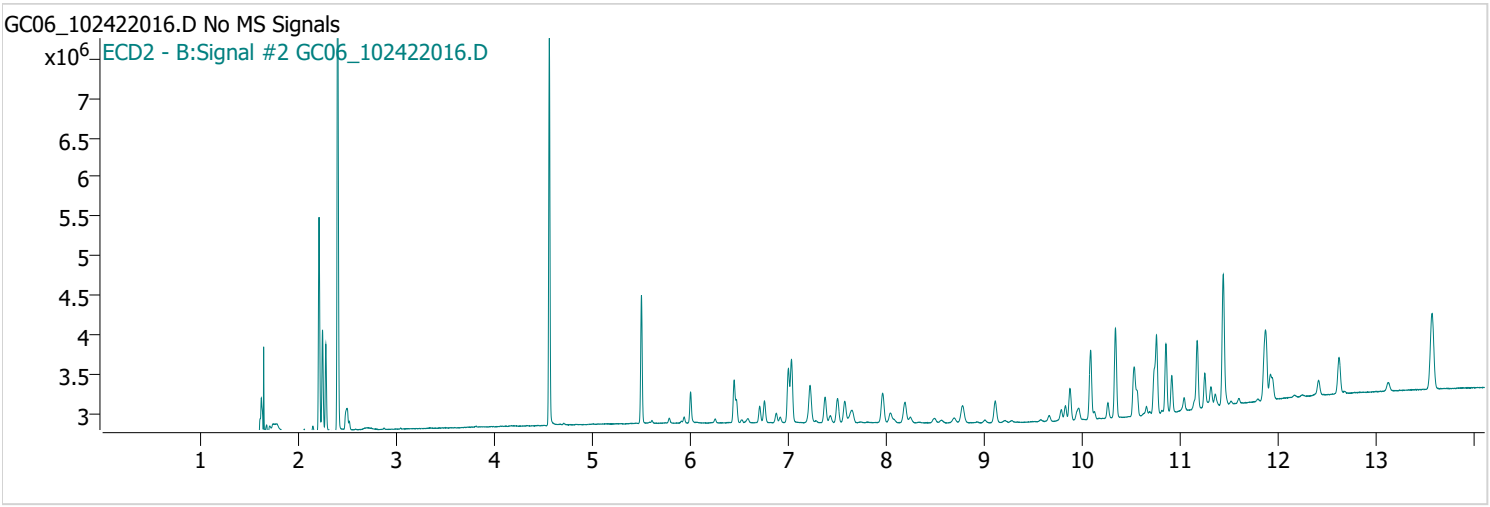
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.8657	13.58	0.00	1117874				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422016.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 6:02:02 PM
Sample Name	ICAL, S17265	Instrument	SVOA-GC06
Vial	13	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



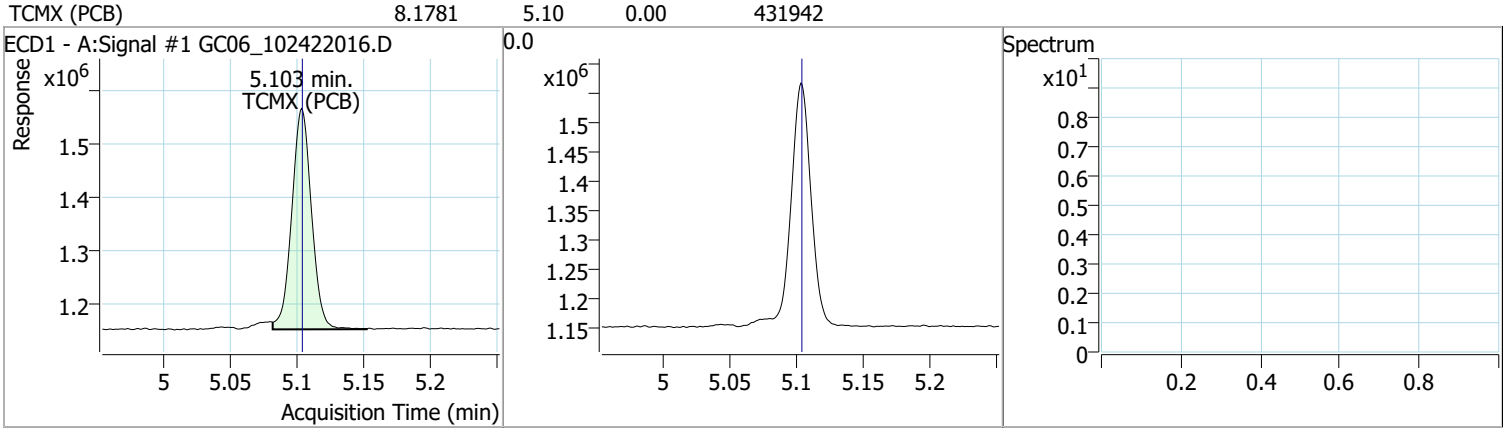


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1098556.587	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.561	0.0	4473955.688	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	431941.849	8.1781	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 40.89%		*	
S TCMX (PCB) #2	5.502	0.0	1756841.947	8.1767	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 40.88%		*	
S Decachlorobiphenyl (PCB)	12.133	0.0	769715.326	7.2383	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 36.19%		*	
S Decachlorobiphenyl (PCB) #2	13.576	0.0	2414988.806	8.4992	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 42.50%		*	
Target Compounds							**QValue**
T AR1016 1	5.458	0.0	126029.603	109.4237	ng/ml		100

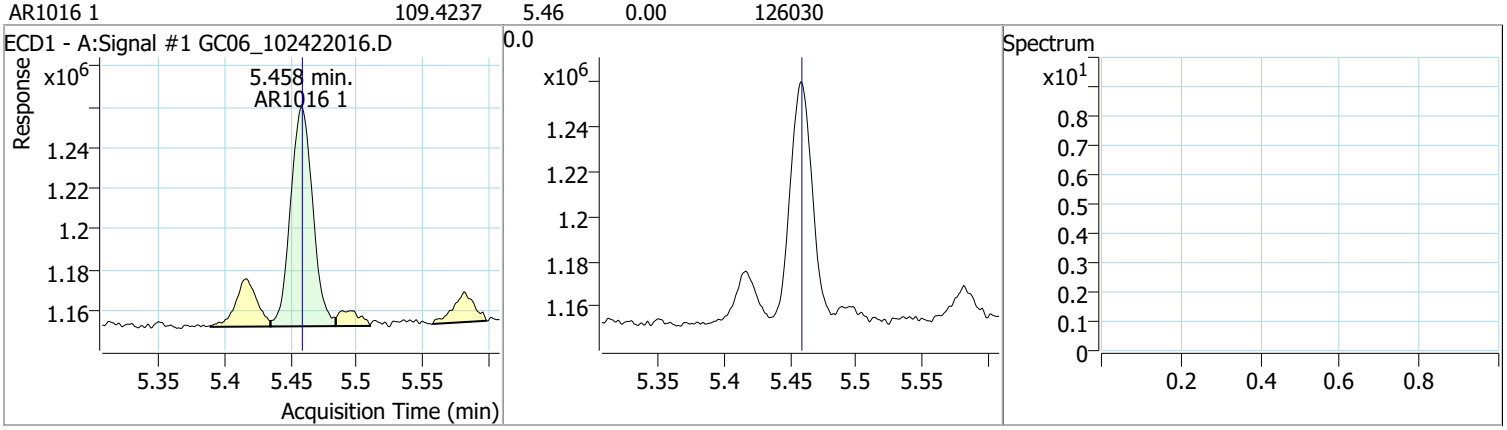
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.803	0.0	273792.604	104.1655	ng/ml		100
T AR1016 1 #2	6.003	0.0	494438.051	106.3335	ng/ml		100
T AR1016 3	6.284	0.0	317105.085	108.5912	ng/ml		100
T AR1016 4	6.431	0.0	243468.264	109.6225	ng/ml		100
T AR1016 2 #2	6.448	0.0	752749.371	112.1446	ng/ml	m	100
T AR1016 5	6.909	0.0	194872.097	108.9344	ng/ml		100
T AR1016 3 #2	7.033	0.0	1331099.472	109.1394	ng/ml		100
T AR1016 4 #2	7.223	0.0	949564.555	109.0568	ng/ml		100
T AR1016 5 #2	7.964	0.0	771943.524	109.0702	ng/ml		100
T AR1260 1	8.878	0.0	390861.384	105.2331	ng/ml		100
T AR1260 2	9.338	0.0	614413.614	108.5313	ng/ml		100
T AR1260 3	9.751	0.0	626423.788	105.8658	ng/ml		100
T AR1260 1 #2	10.088	0.0	1506423.617	113.1421	ng/ml		100
T AR1260 4	10.218	0.0	373415.612	104.0416	ng/ml		100
T AR1260 2 #2	10.342	0.0	1768113.790	110.5237	ng/ml		100
T AR1260 5	10.579	0.0	836749.386	108.9242	ng/ml		100
T AR1260 3 #2	10.761	0.0	2204619.622	108.8731	ng/ml		100
T AR1260 4 #2	11.176	0.0	1447196.030	106.5619	ng/ml		100
T AR1260 5 #2	11.873	0.0	2132038.907	108.0368	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

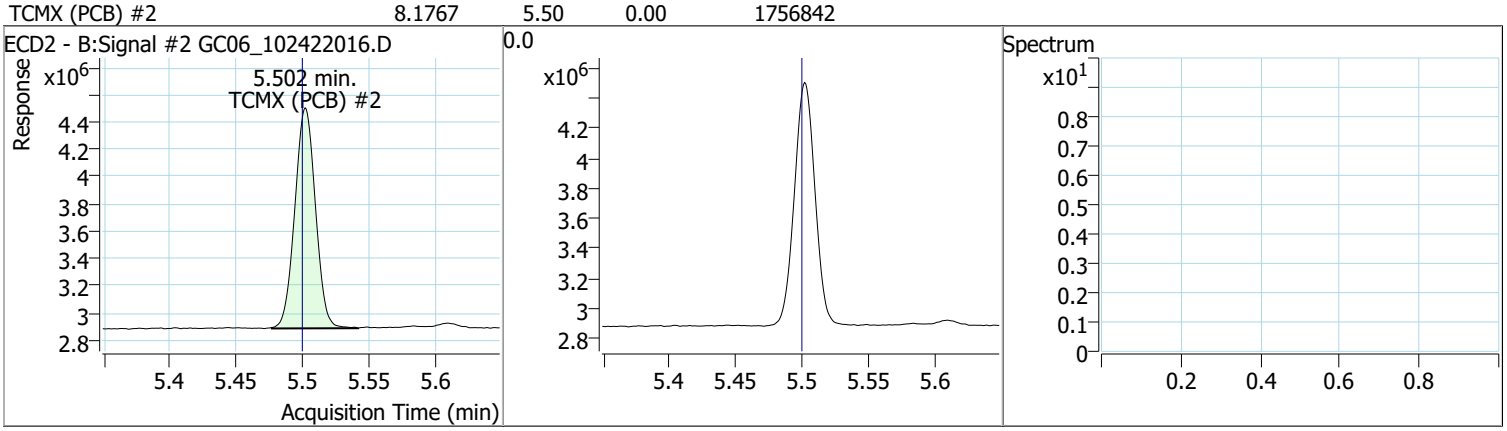
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	8.1781	5.10	0.00	431942				



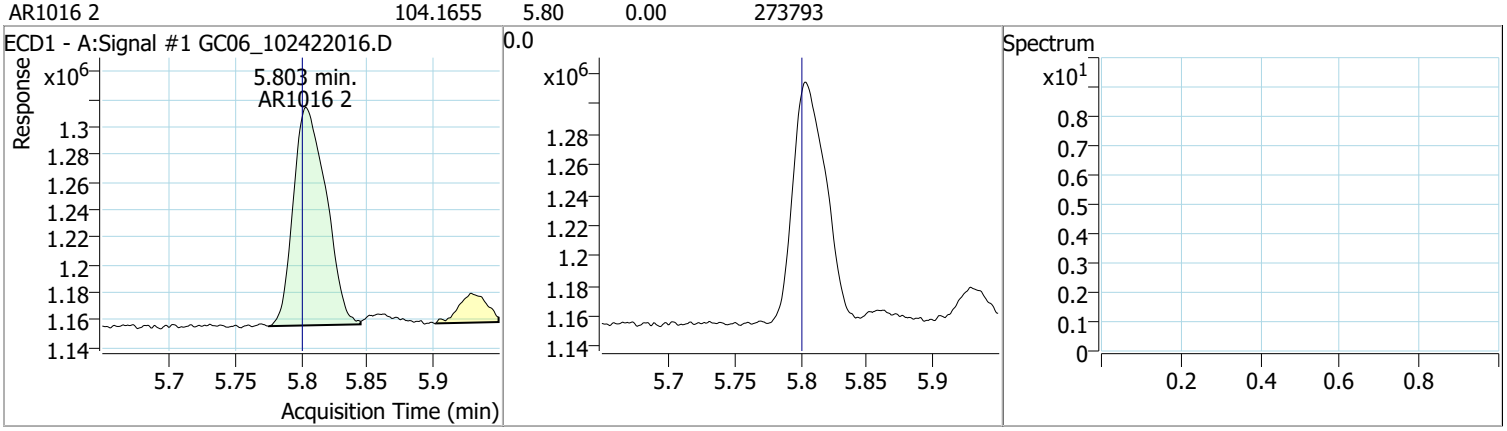
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	109.4237	5.46	0.00	126030				



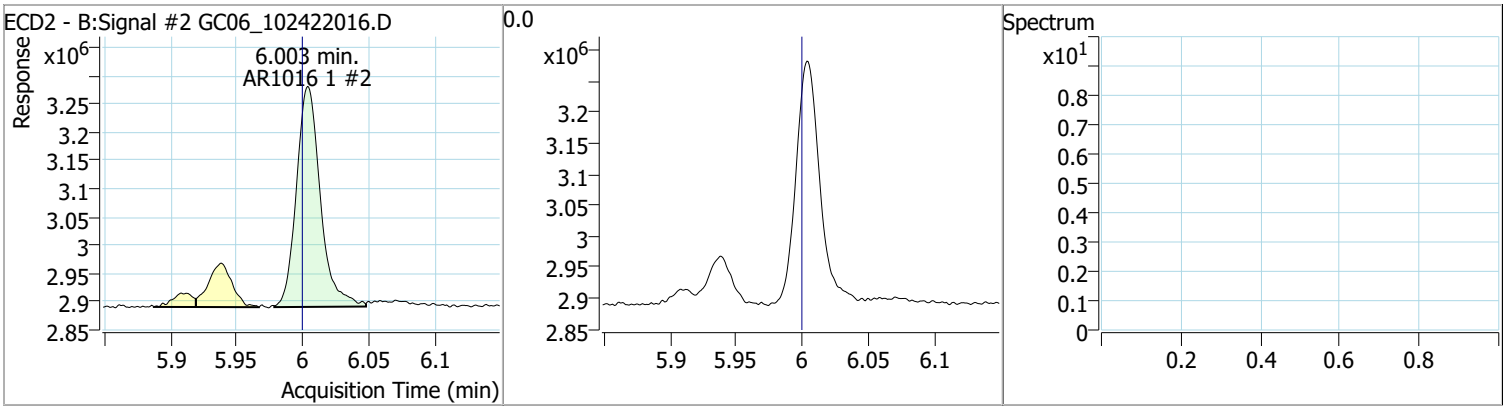
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	8.1767	5.50	0.00	1756842				



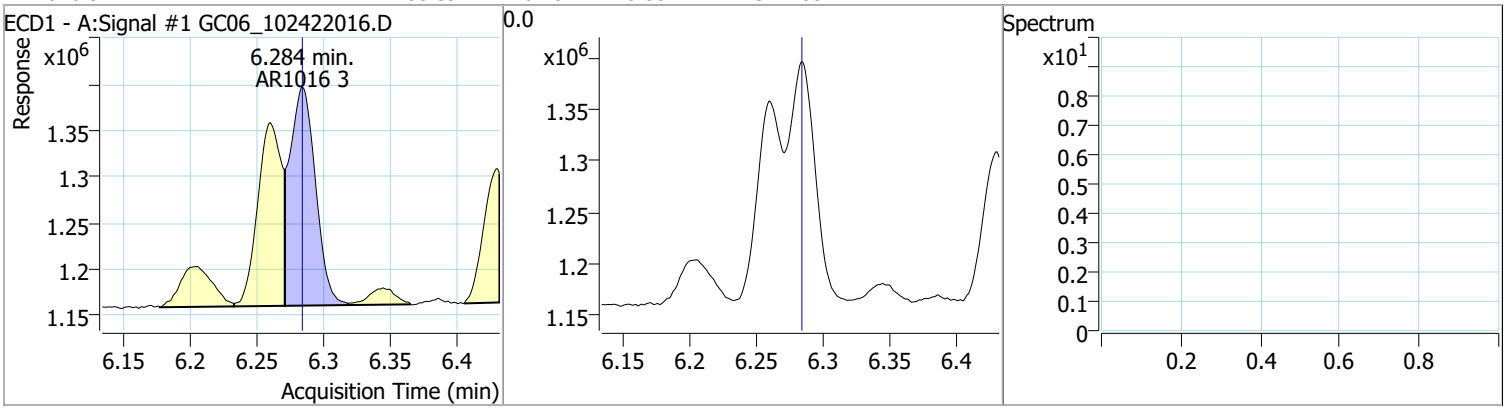
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	104.1655	5.80	0.00	273793				



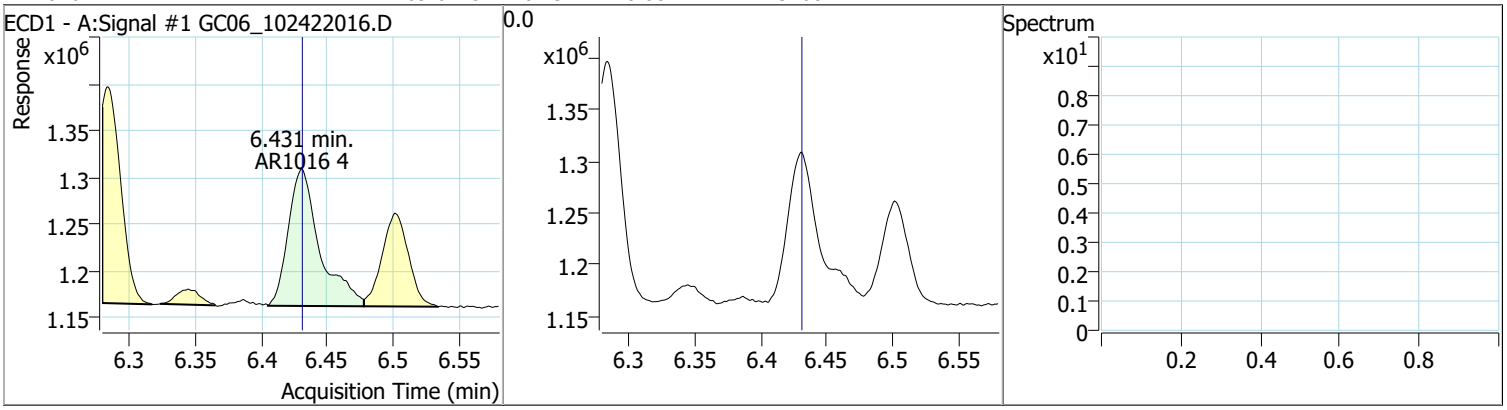
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	106.3335	6.00	0.00	494438				



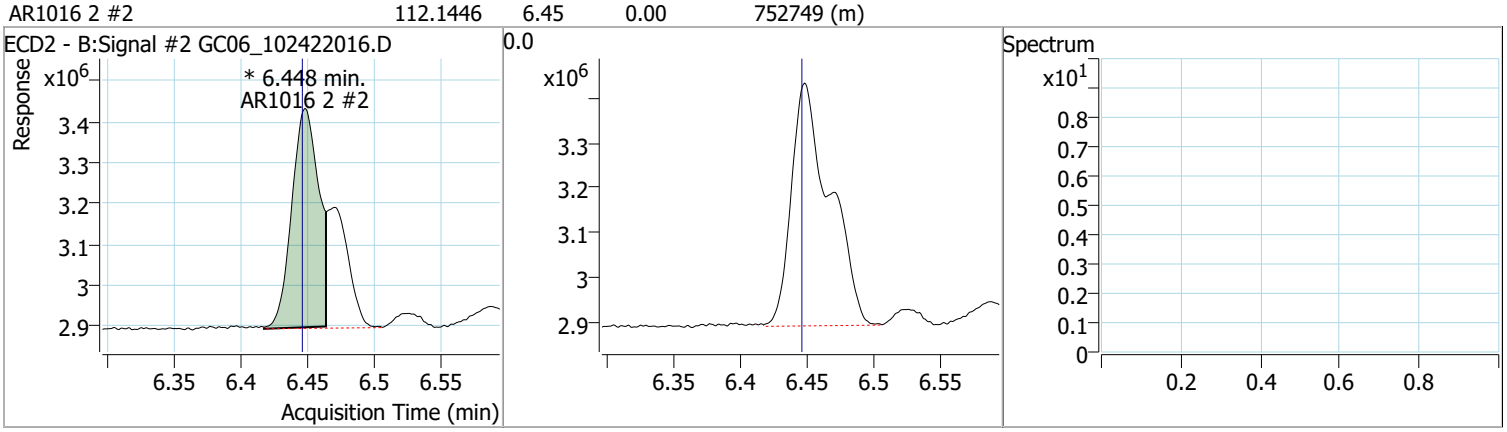
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	108.5912	6.28	0.00	317105				



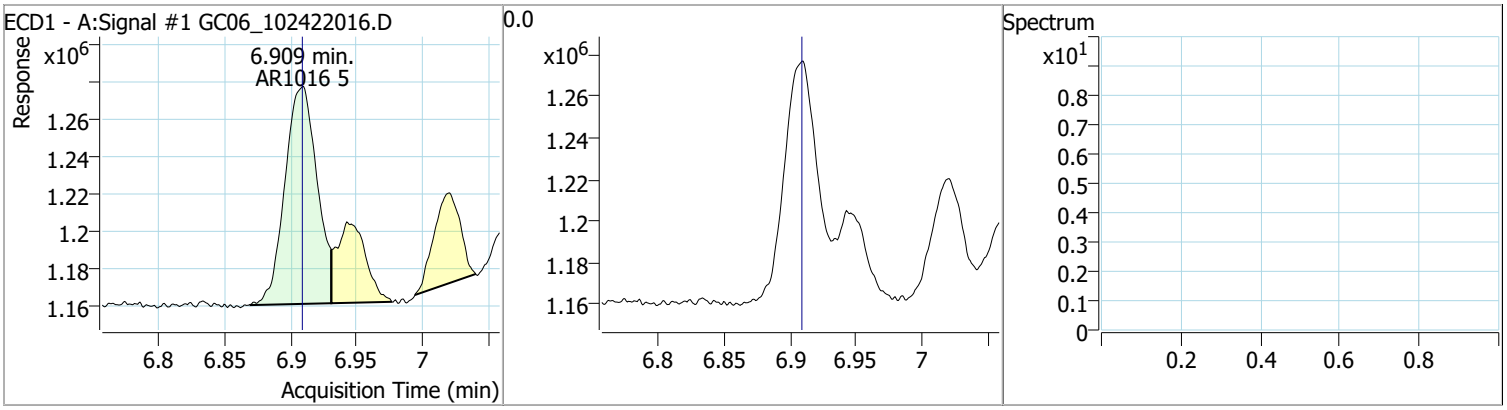
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	109.6225	6.43	0.00	243468				



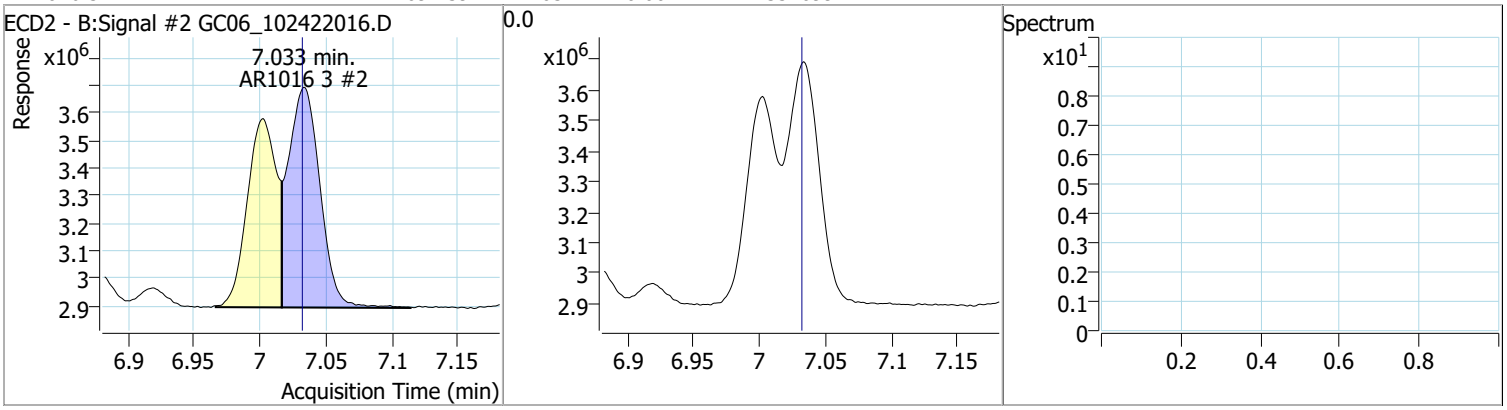
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	112.1446	6.45	0.00	752749 (m)				



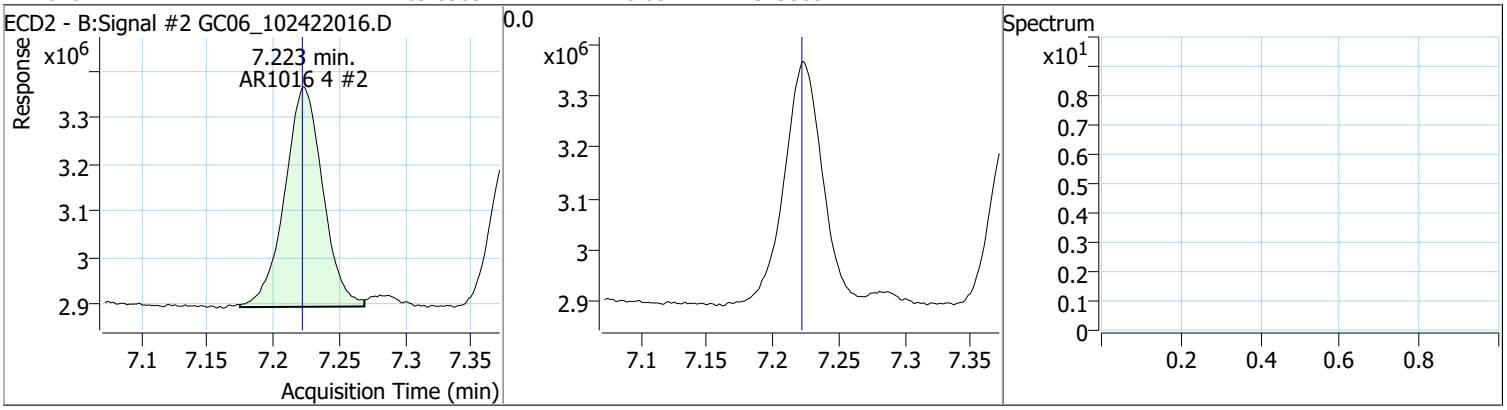
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	108.9344	6.91	0.00	194872				



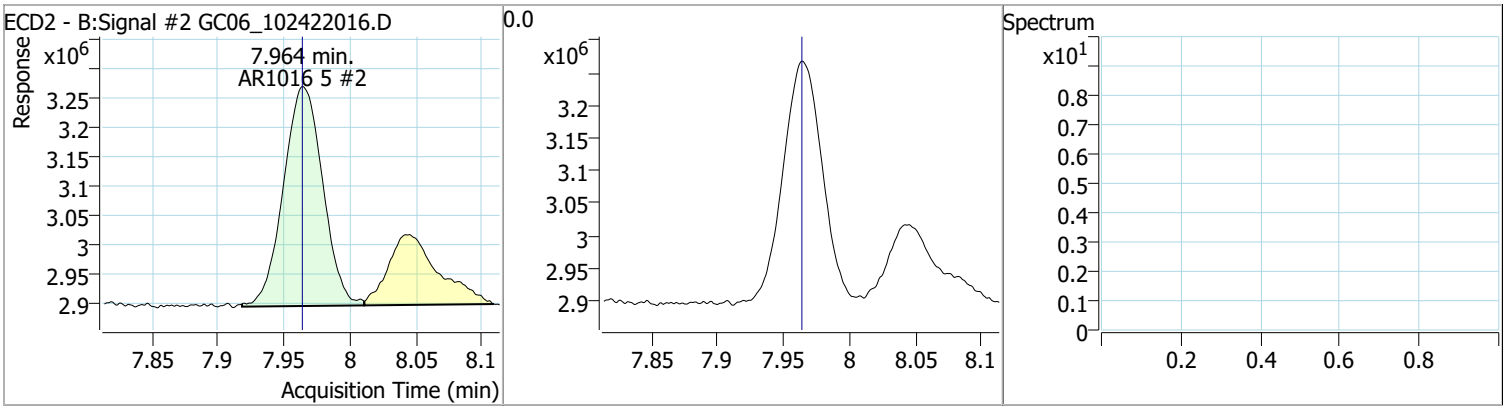
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	109.1394	7.03	0.00	1331099				



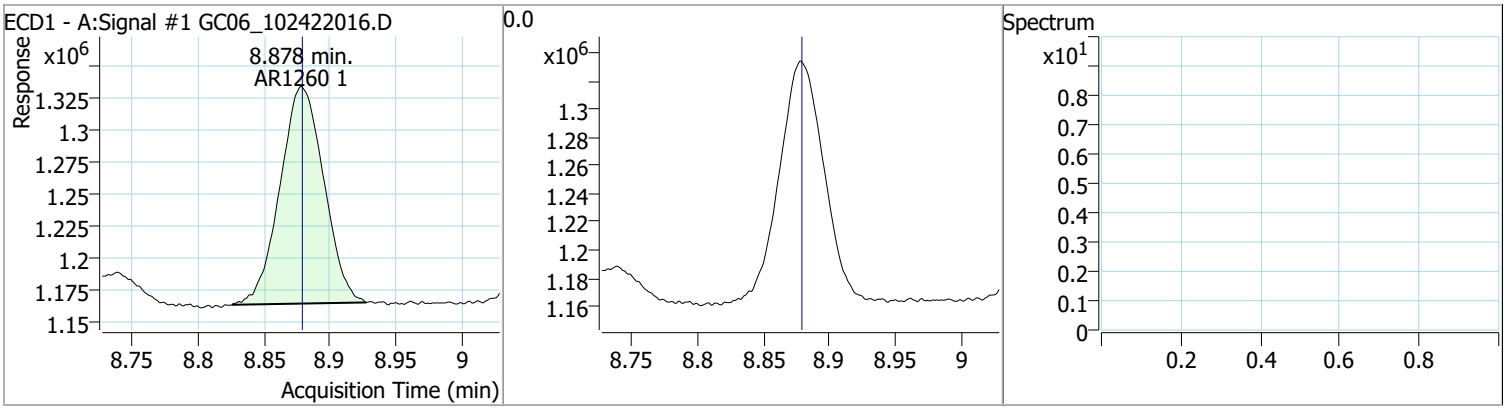
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	109.0568	7.22	0.00	949565				



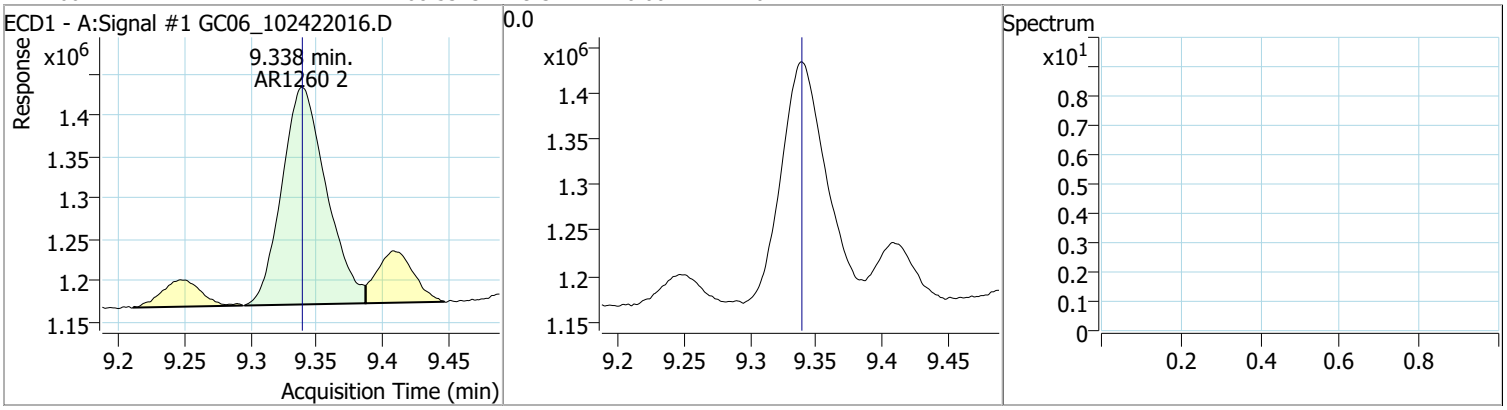
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	109.0702	7.96	0.00	771944				



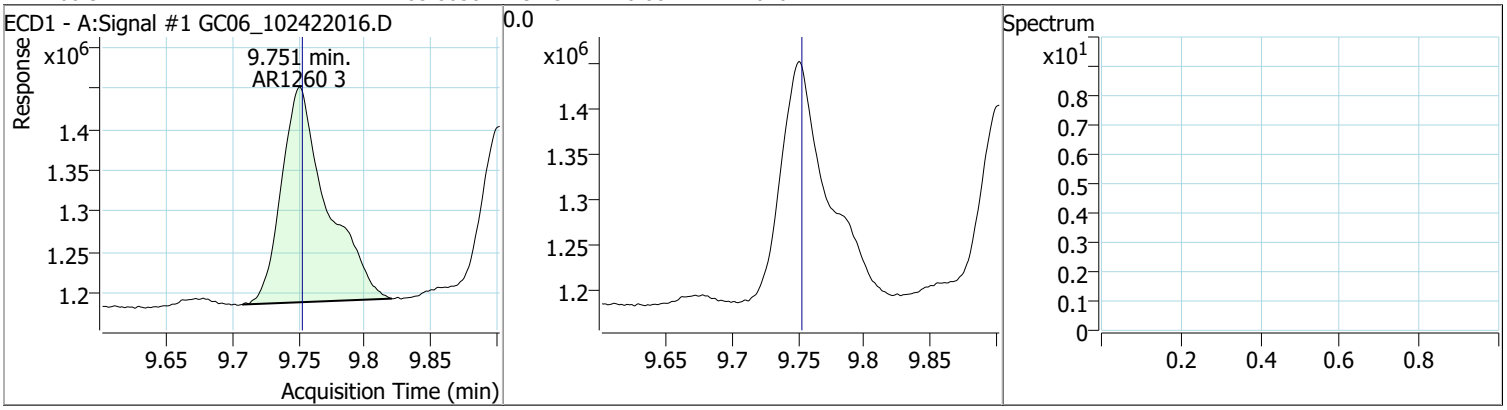
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	105.2331	8.88	0.00	390861				



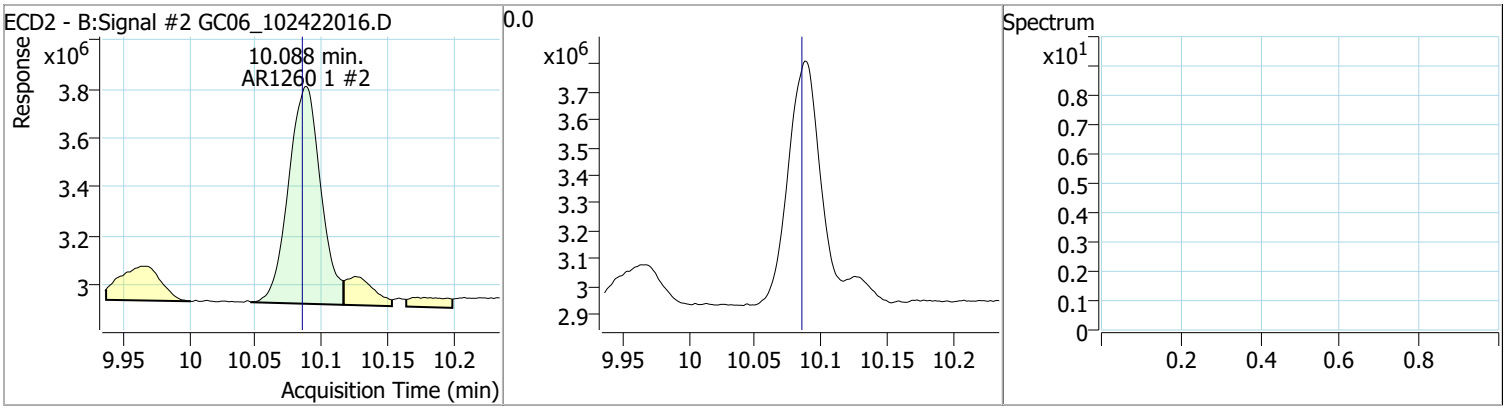
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	108.5313	9.34	0.00	614414				



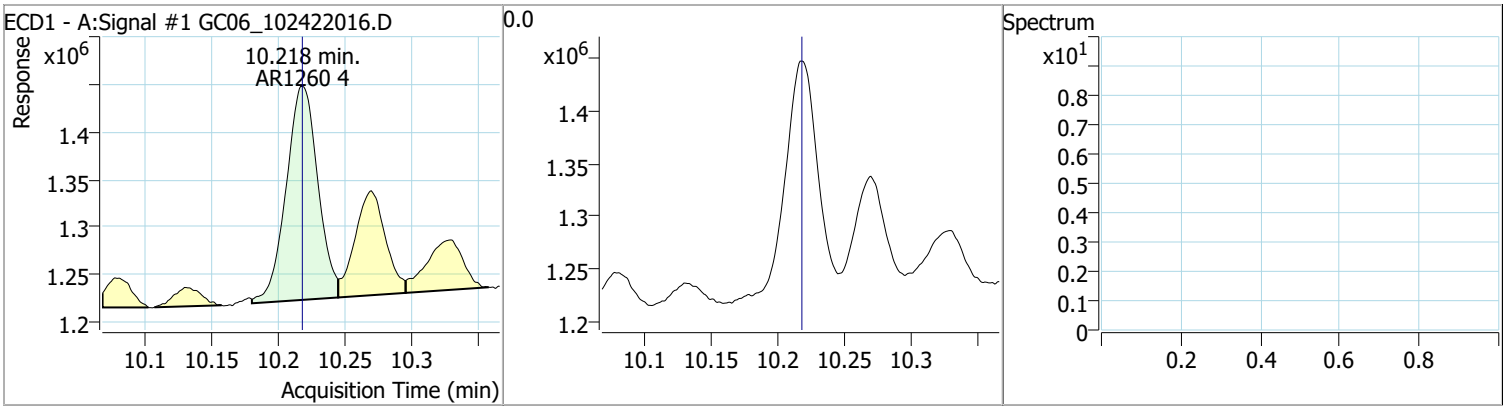
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	105.8658	9.75	0.00	626424				



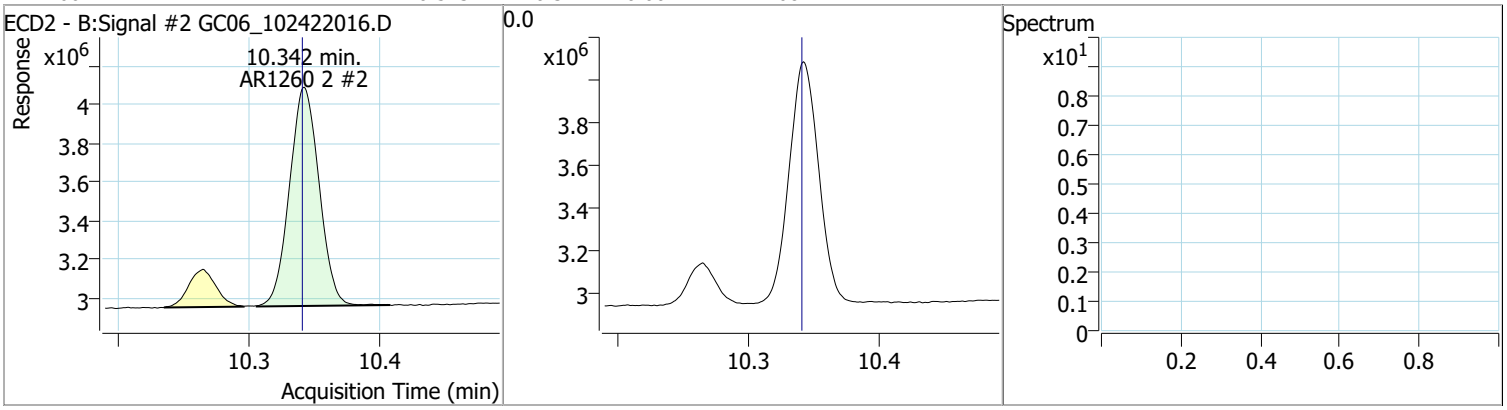
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	113.1421	10.09	0.00	1506424				



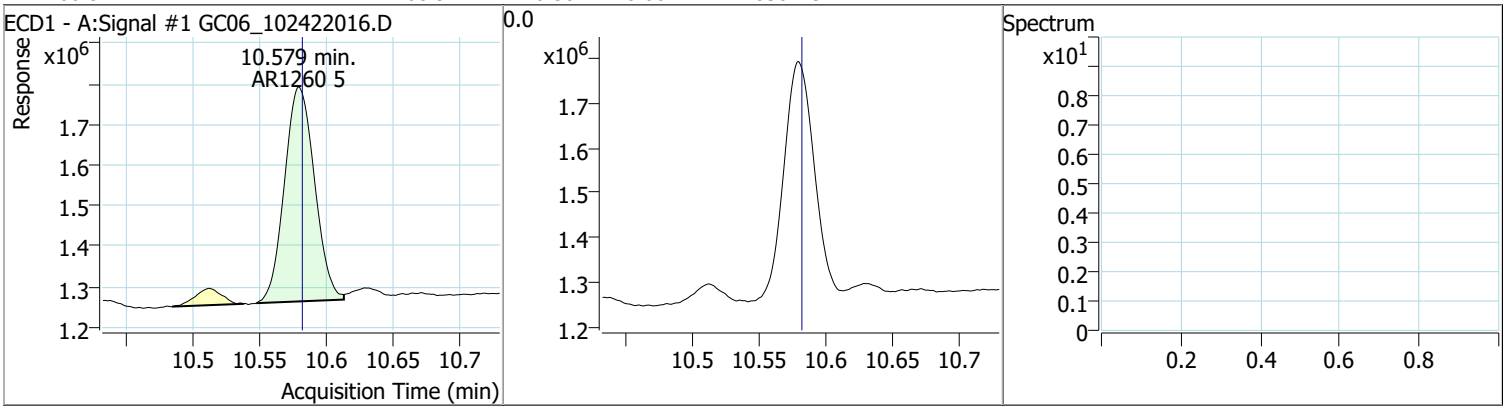
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	104.0416	10.22	0.00	373416				



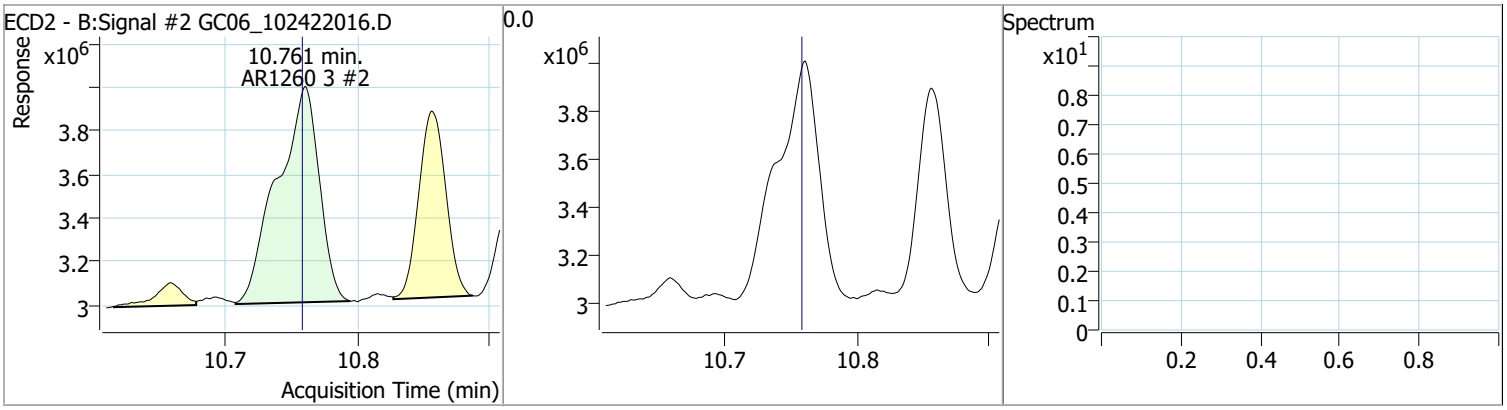
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	110.5237	10.34	0.00	1768114				



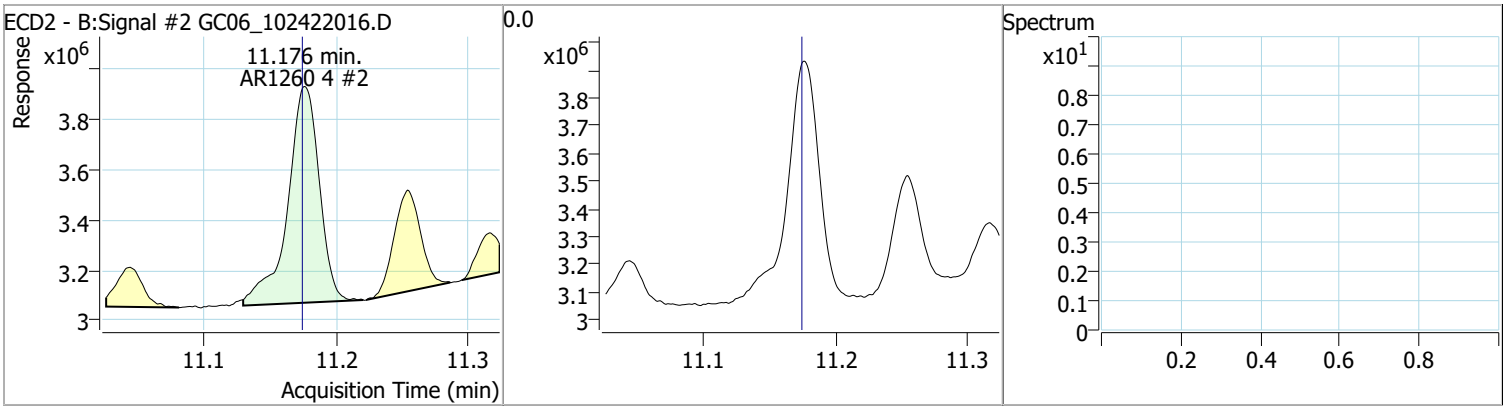
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	108.9242	10.58	0.00	836749				



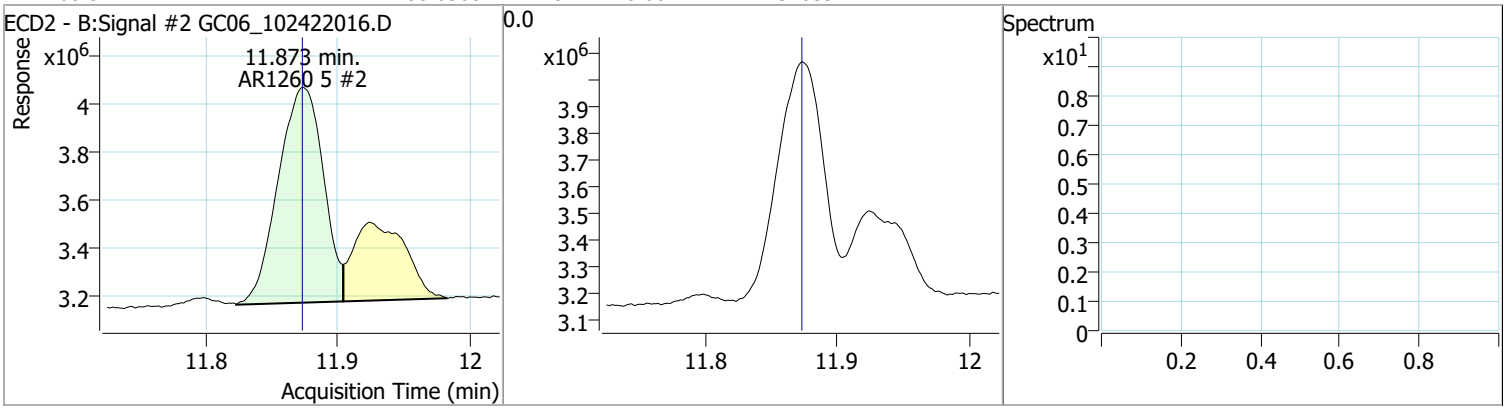
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	108.8731	10.76	0.00	2204620				



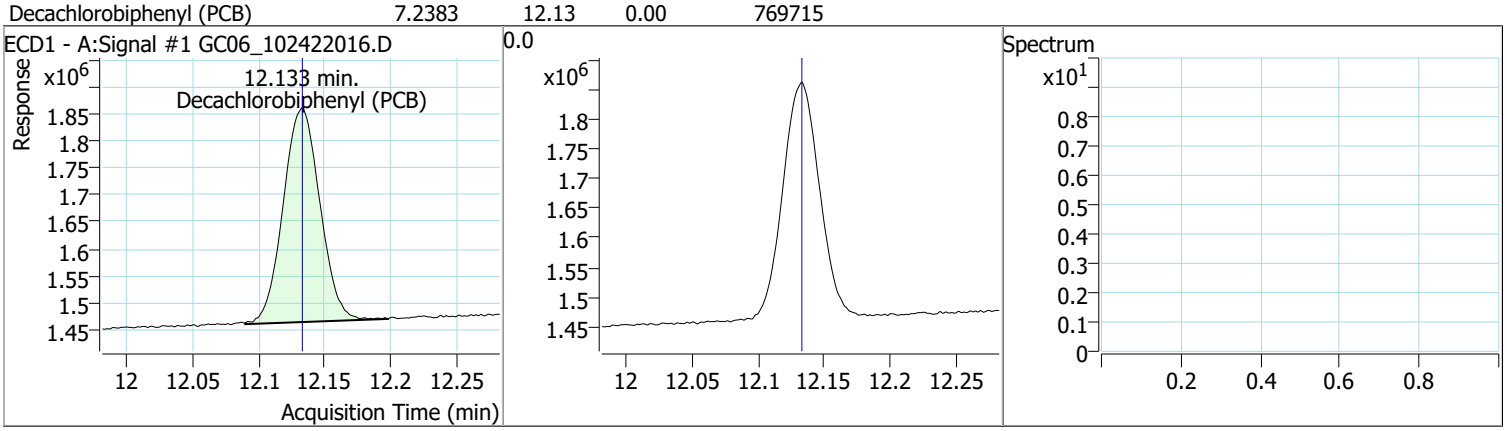
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	106.5619	11.18	0.00	1447196				



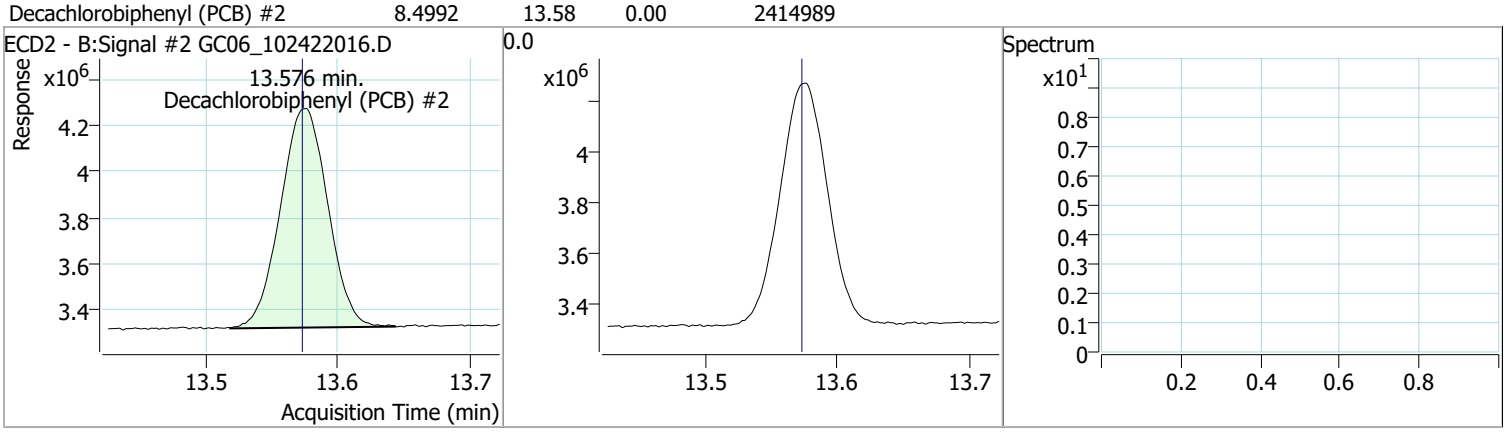
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	108.0368	11.87	0.00	2132039				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	7.2383	12.13	0.00	769715				

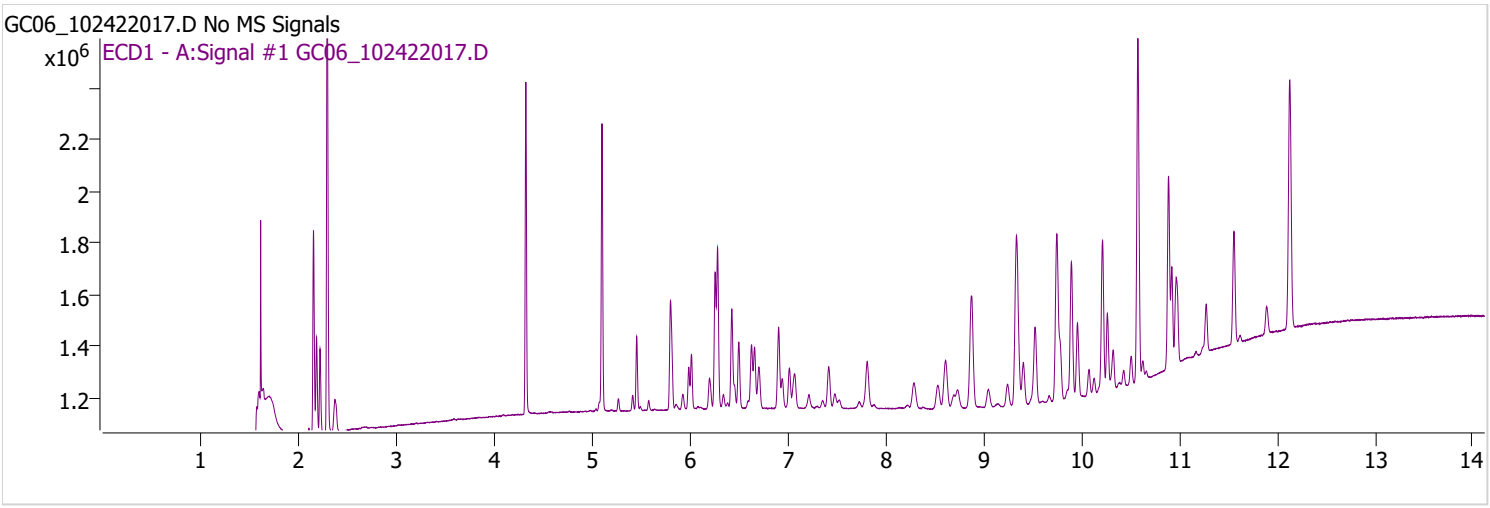


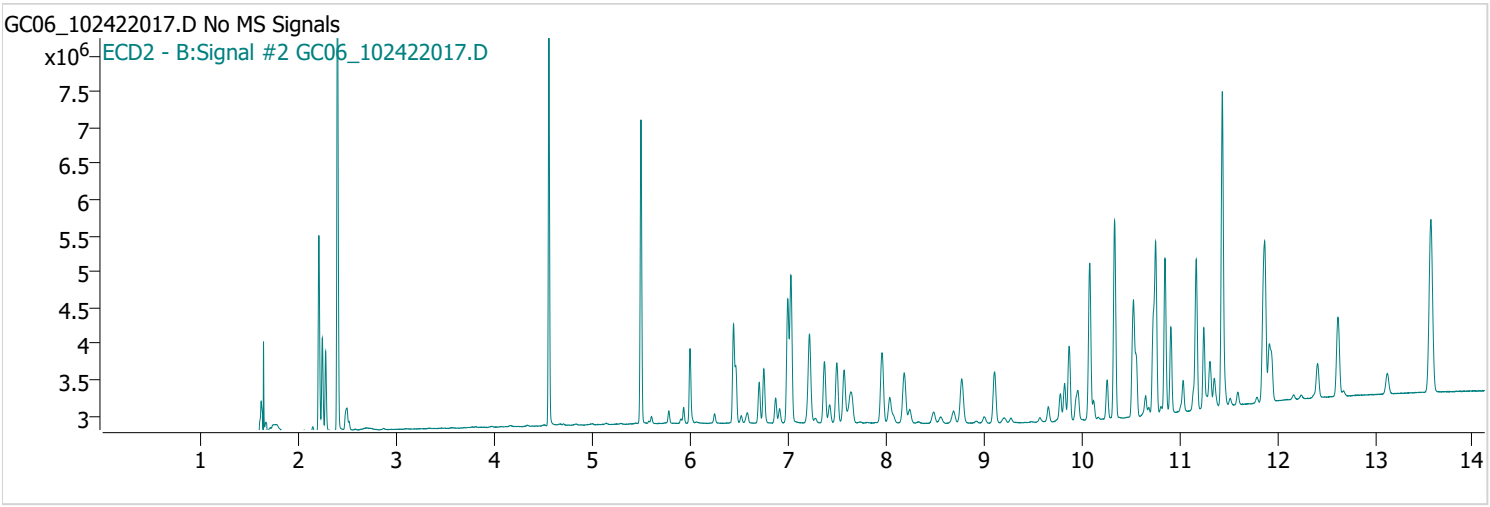
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	8.4992	13.58	0.00	2414989				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422017.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 6:20:02 PM
Sample Name	ICAL, S17266	Instrument	SVOA-GC06
Vial	14	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



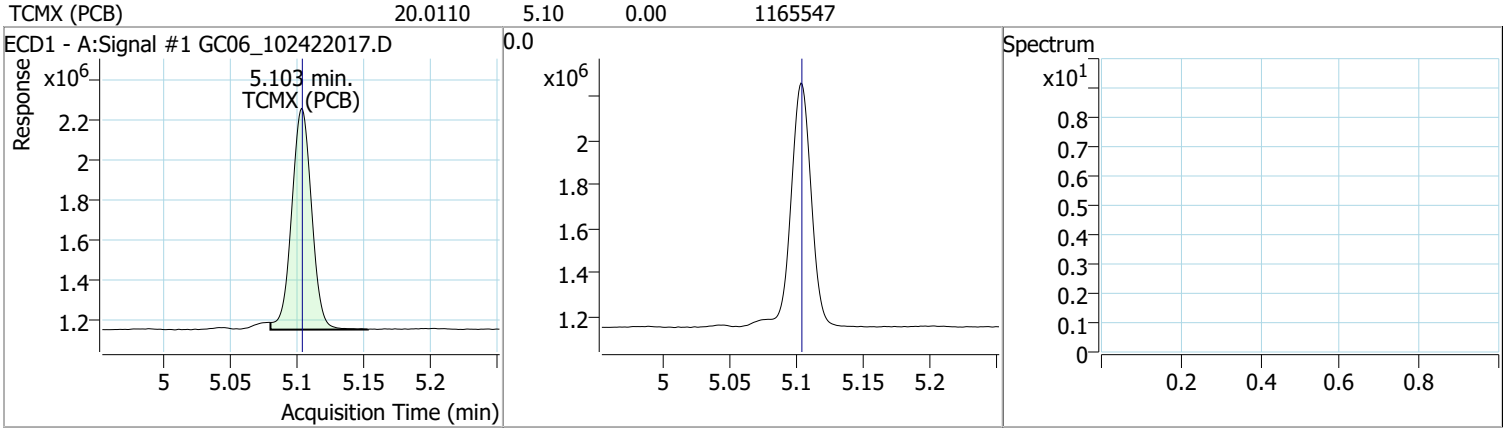


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1211472.444	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.561	0.0	4920571.818	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	1165547.443	20.0110	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 100.05%			
S TCMX (PCB) #2	5.502	0.0	4758798.041	20.1381	ng/ml	m	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 100.69%			
S Decachlorobiphenyl (PCB)	12.131	0.0	1850638.921	20.8820	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 104.41%			
S Decachlorobiphenyl (PCB) #2	13.573	0.0	5988530.393	21.8142	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 109.07%			
Target Compounds							QValue

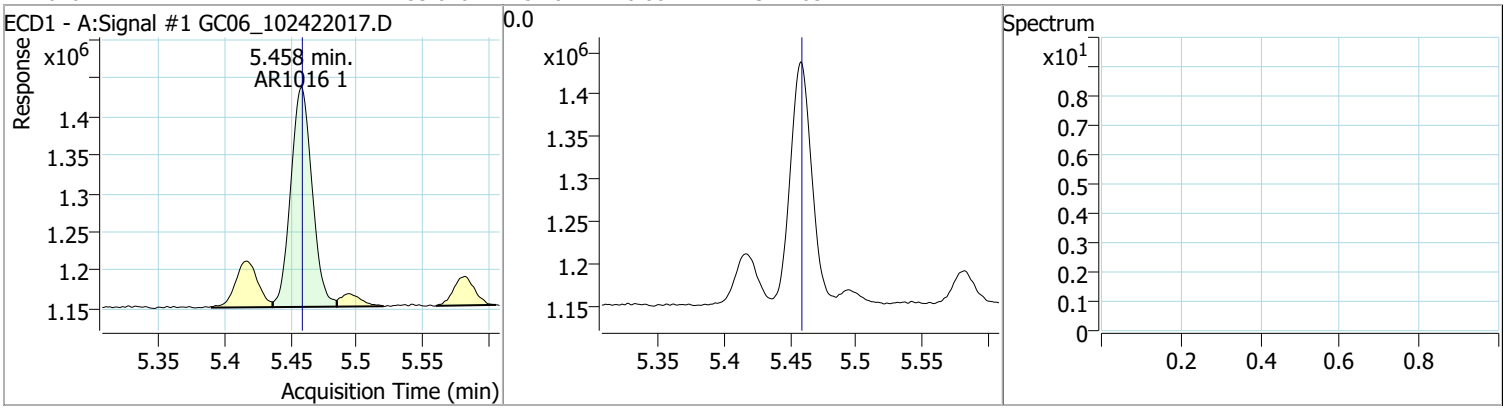
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.458	0.0	322205.369	253.6767	ng/ml		100
T AR1016 2	5.803	0.0	712693.363	266.8112	ng/ml		100
T AR1016 1 #2	6.003	0.0	1331882.363	260.4356	ng/ml		100
T AR1016 3	6.284	0.0	837940.134	260.2036	ng/ml		100
T AR1016 4	6.430	0.0	635327.920	259.3965	ng/ml		100
T AR1016 2 #2	6.448	0.0	1963799.619	266.0119	ng/ml	m	100
T AR1016 5	6.908	0.0	507361.692	257.1827	ng/ml		100
T AR1016 3 #2	7.033	0.0	3371390.470	251.3369	ng/ml	m	100
T AR1016 4 #2	7.223	0.0	2521917.084	263.3511	ng/ml		100
T AR1016 5 #2	7.963	0.0	2051369.275	263.5364	ng/ml		100
T AR1260 1	8.879	0.0	1022403.707	249.6095	ng/ml		100
T AR1260 2	9.338	0.0	1586842.083	254.1774	ng/ml		100
T AR1260 3	9.751	0.0	1640631.734	251.4243	ng/ml		100
T AR1260 1 #2	10.088	0.0	3737278.960	255.2165	ng/ml		100
T AR1260 4	10.218	0.0	994487.770	273.1079	ng/ml		100
T AR1260 2 #2	10.341	0.0	4465148.473	253.7799	ng/ml		100
T AR1260 5	10.578	0.0	2108588.370	272.1624	ng/ml		100
T AR1260 3 #2	10.760	0.0	5581397.012	250.6144	ng/ml		100
T AR1260 4 #2	11.175	0.0	3582855.500	269.4632	ng/ml	m	100
T AR1260 5 #2	11.874	0.0	5338056.869	269.7608	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

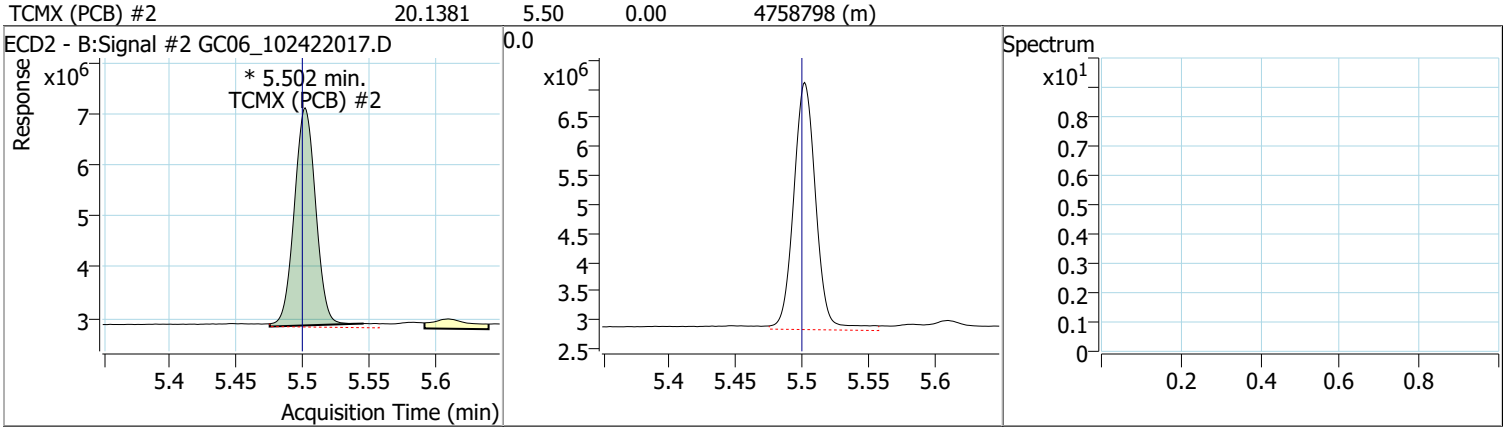
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	20.0110	5.10	0.00	1165547				



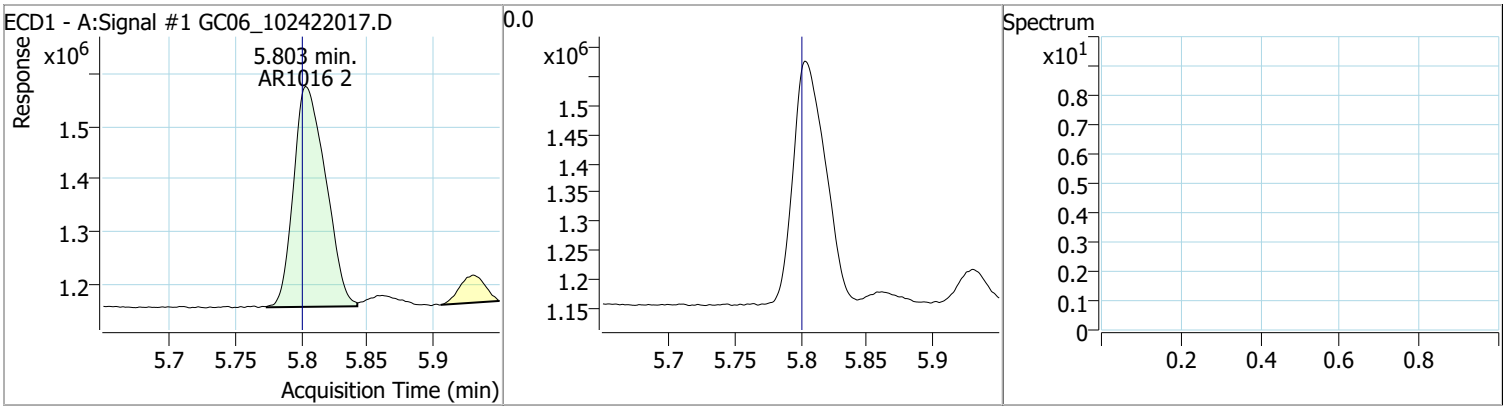
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	253.6767	5.46	0.00	322205				



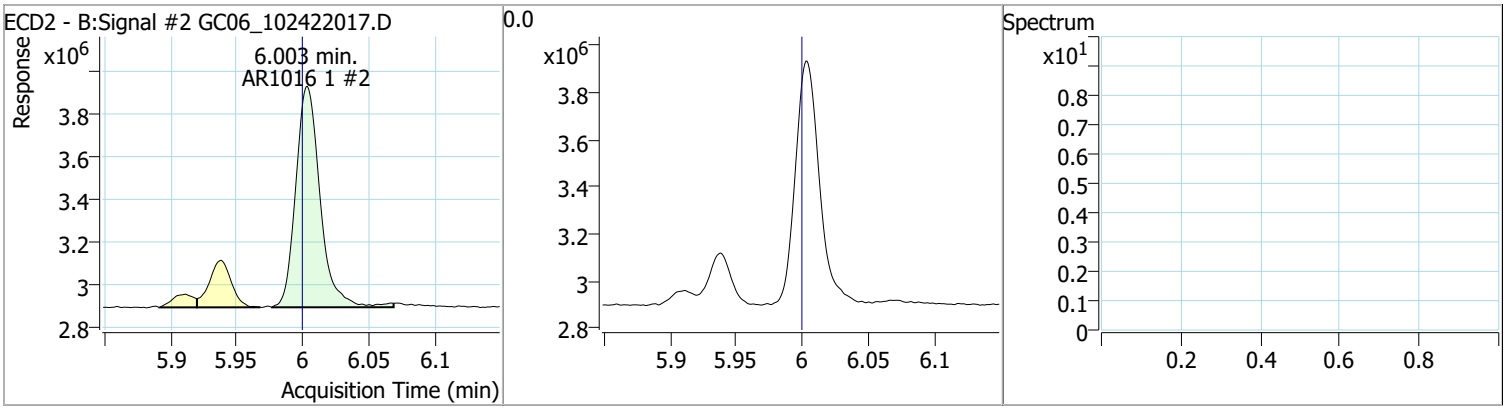
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	20.1381	5.50	0.00	4758798 (m)				



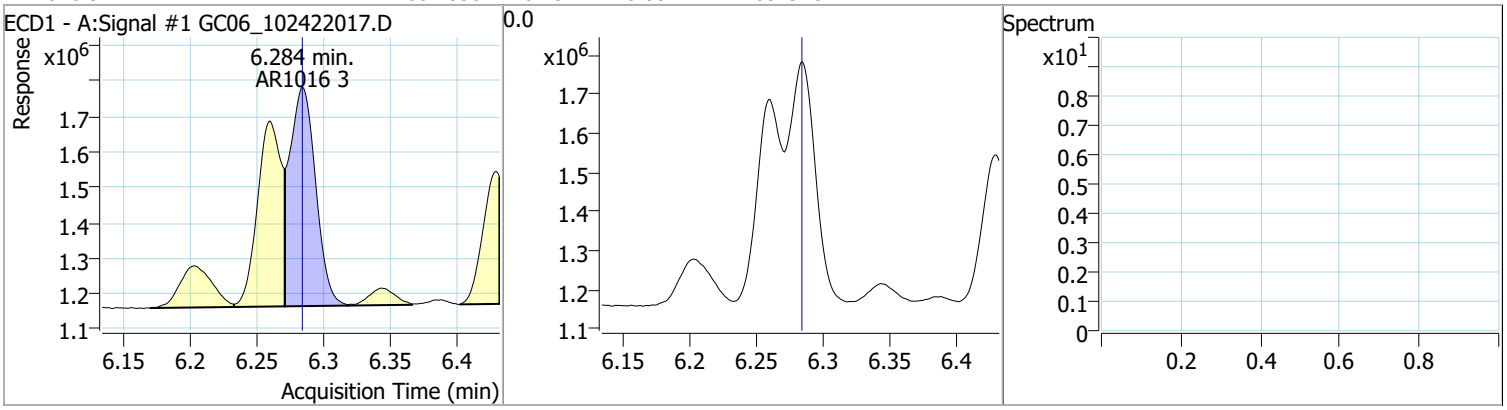
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	266.8112	5.80	0.00	712693				



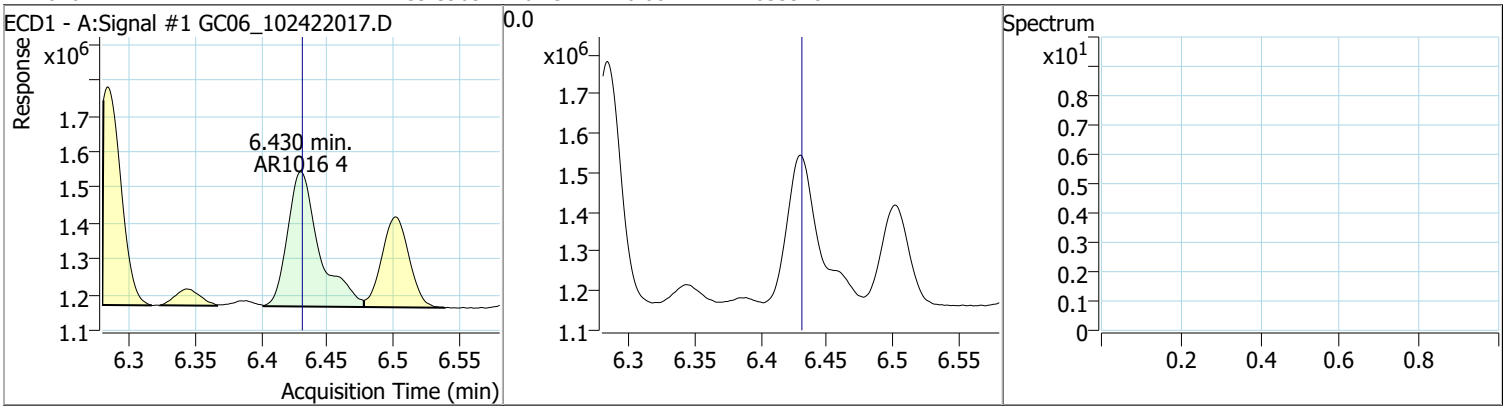
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	260.4356	6.00	0.00	1331882				



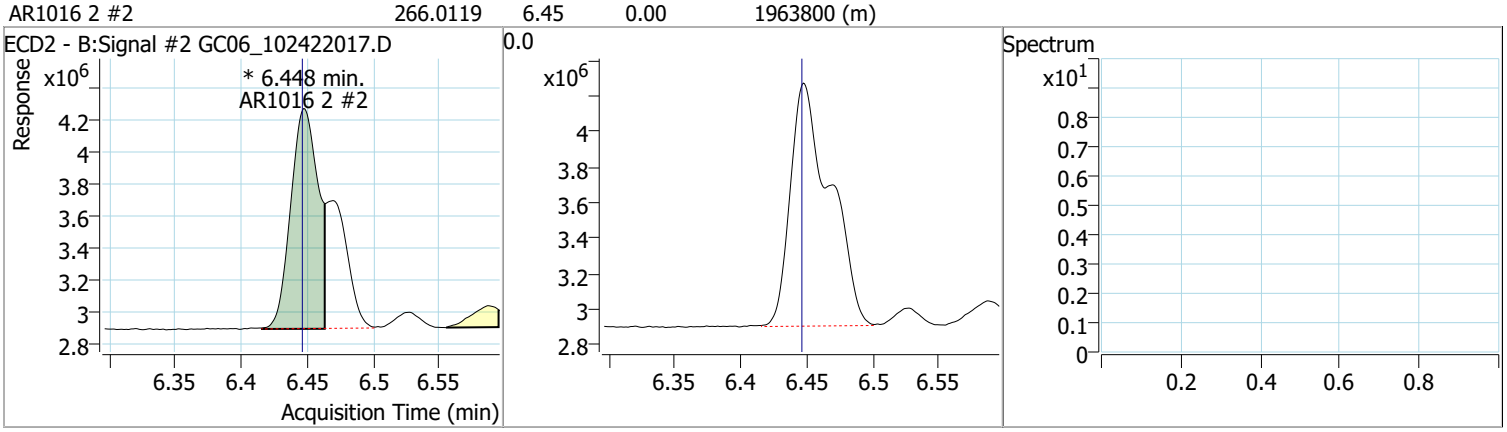
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	260.2036	6.28	0.00	837940				



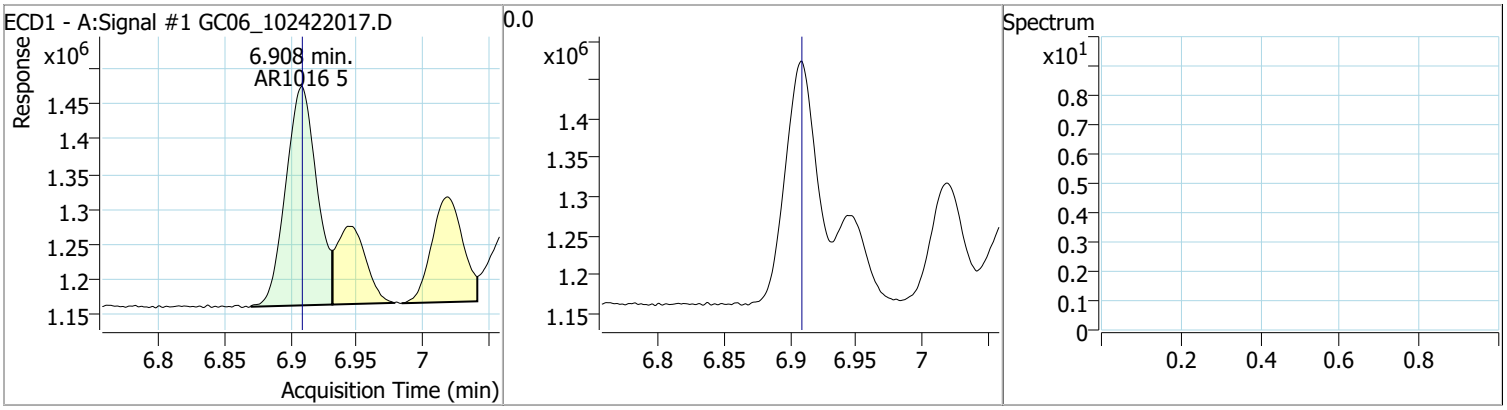
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	259.3965	6.43	0.00	635328				



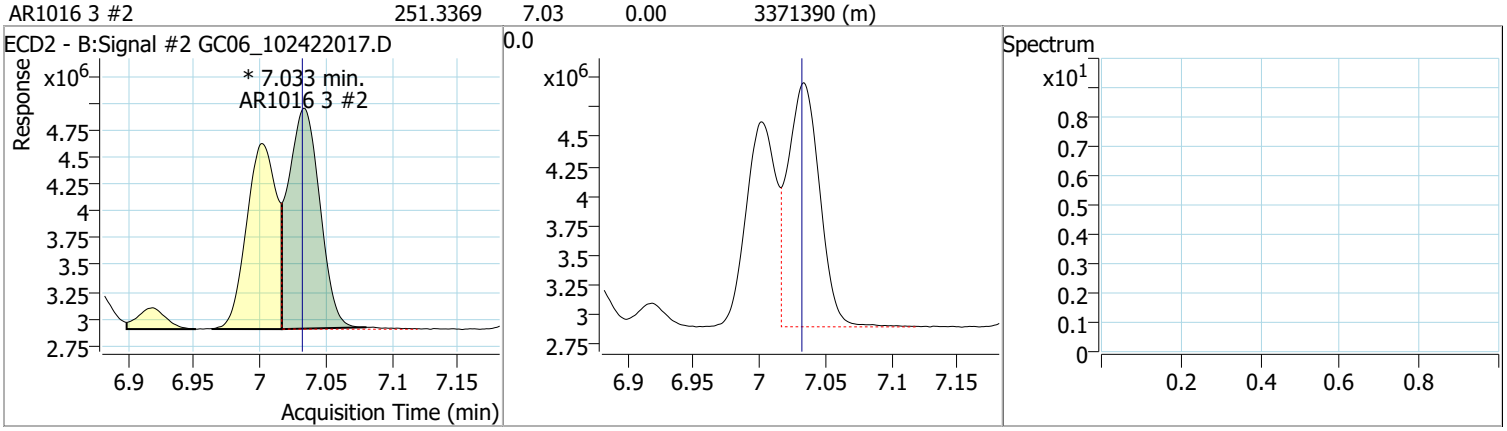
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	266.0119	6.45	0.00	1963800 (m)				



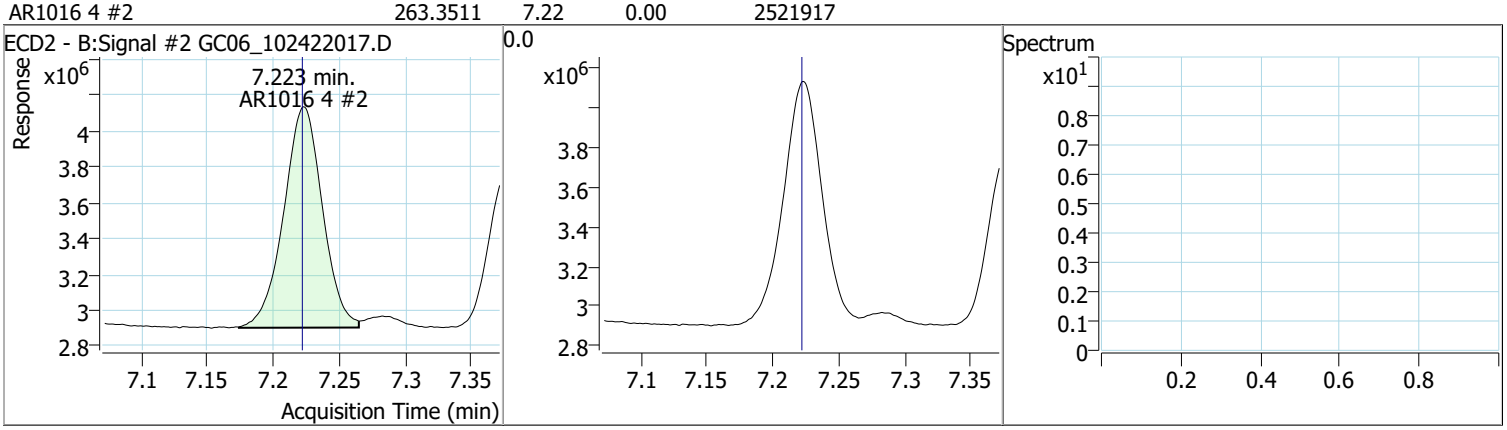
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	257.1827	6.91	0.00	507362				



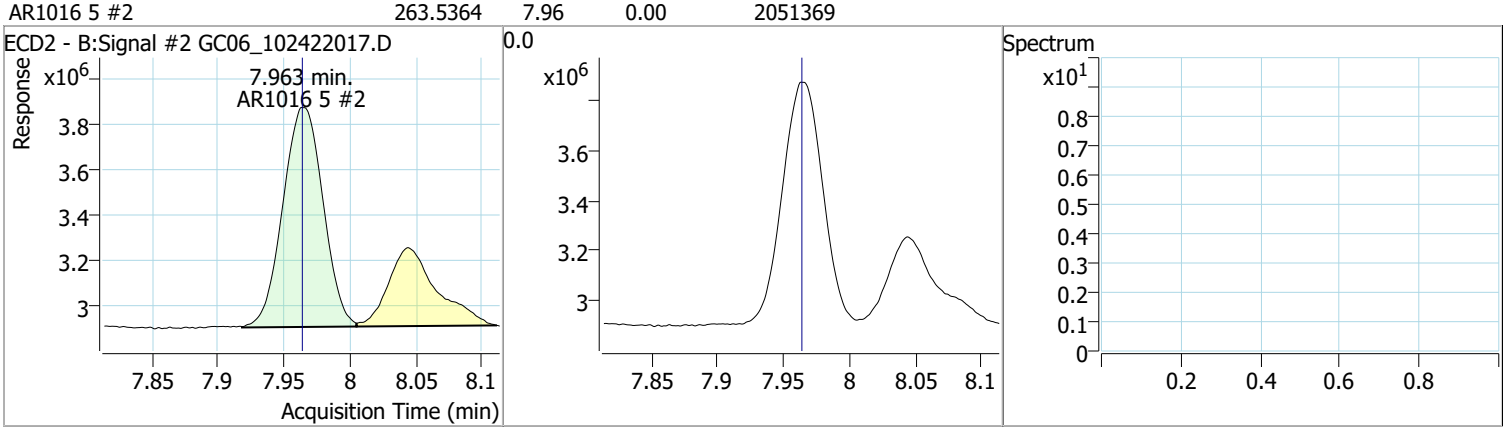
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	251.3369	7.03	0.00	3371390 (m)				



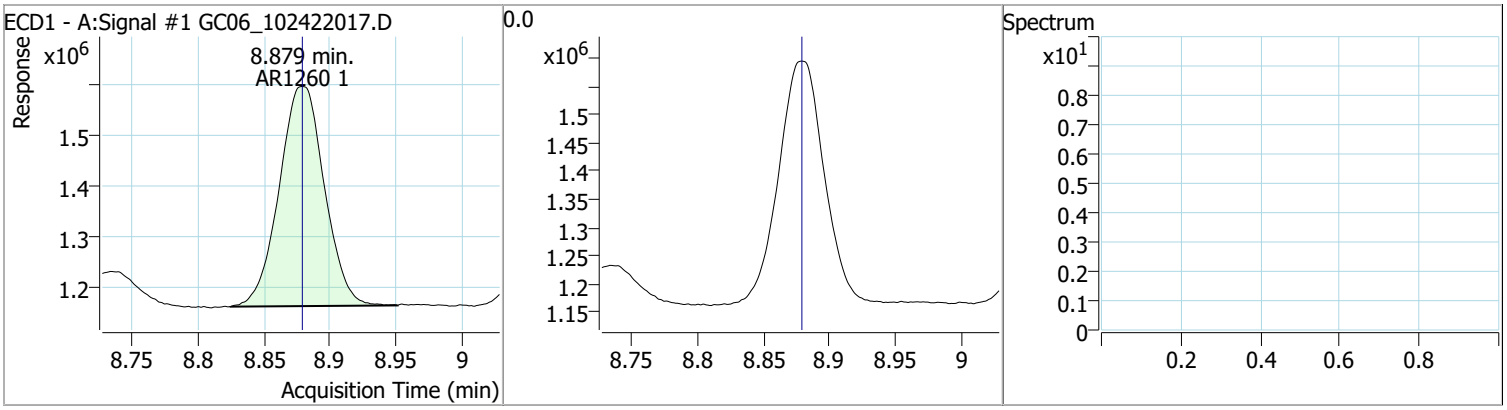
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	263.3511	7.22	0.00	2521917				



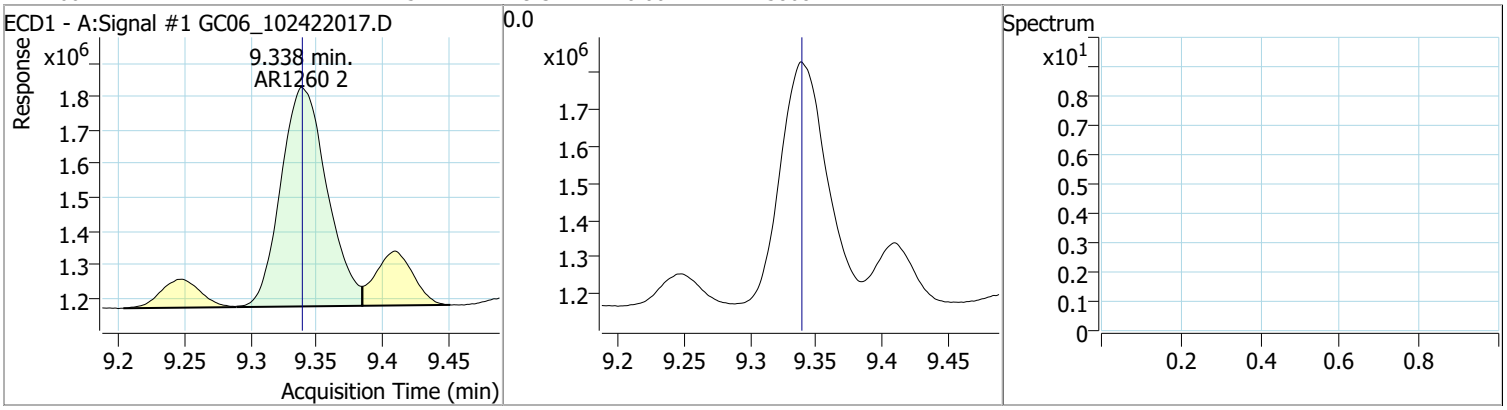
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	263.5364	7.96	0.00	2051369				



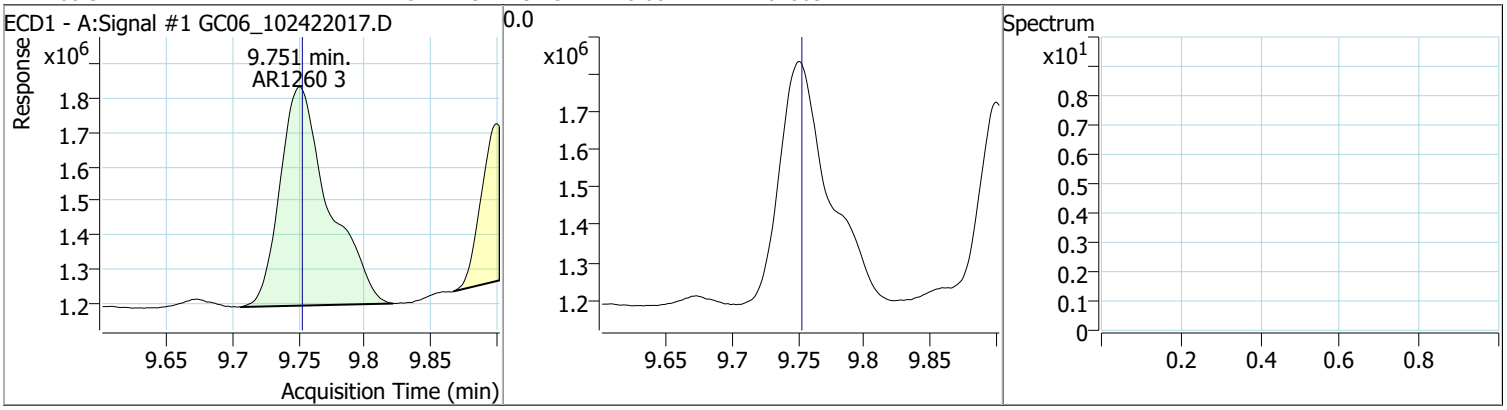
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	249.6095	8.88	0.00	1022404				



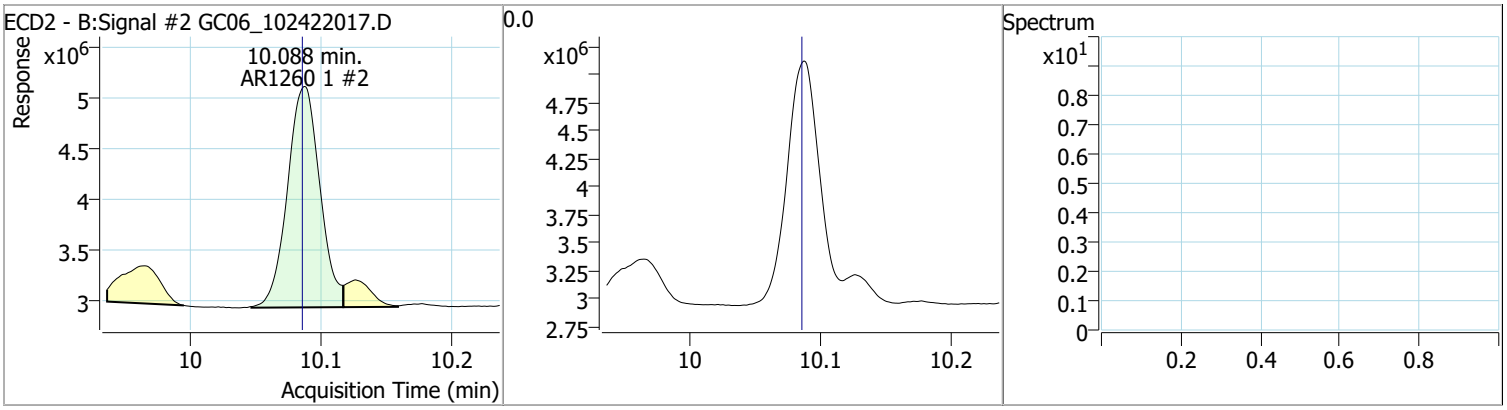
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	254.1774	9.34	0.00	1586842				



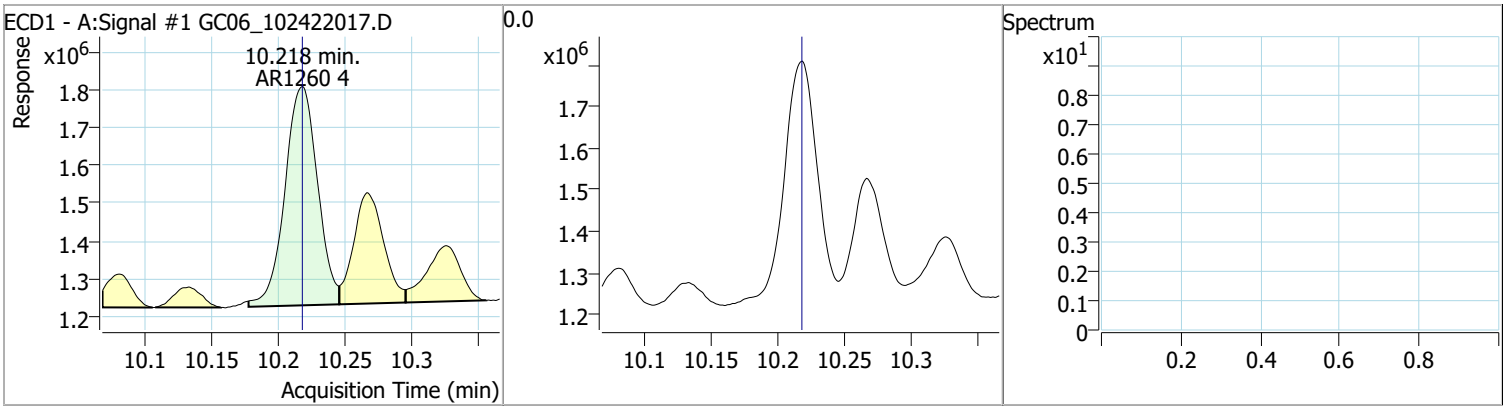
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	251.4243	9.75	0.00	1640632				



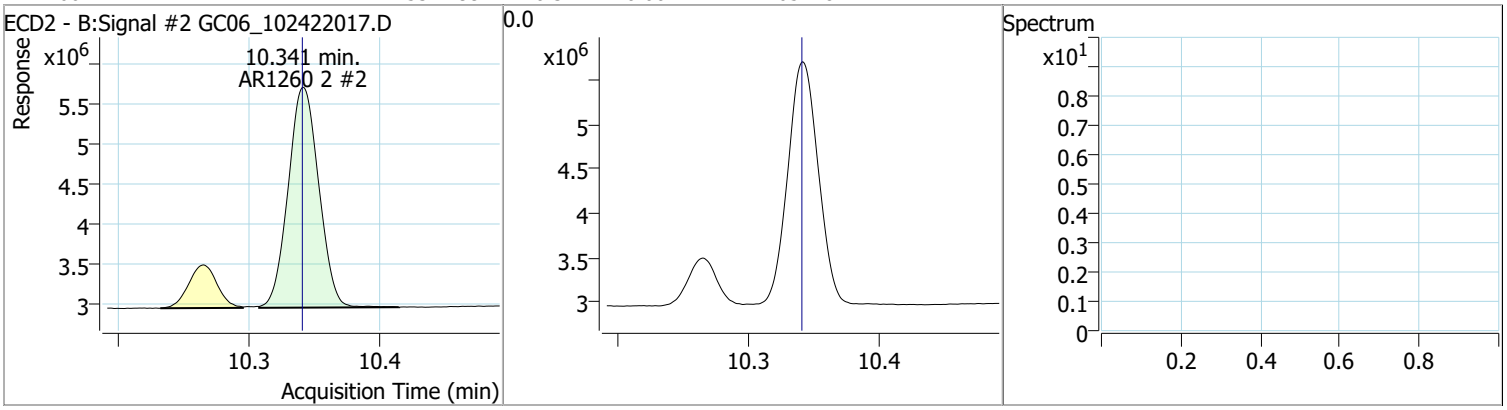
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	255.2165	10.09	0.00	3737279				



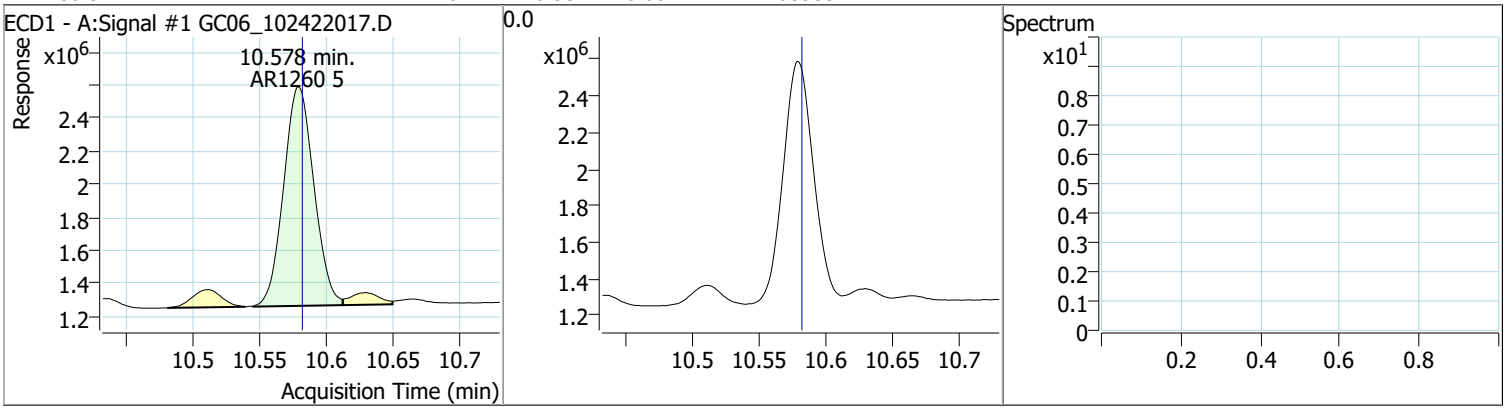
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	273.1079	10.22	0.00	994488				



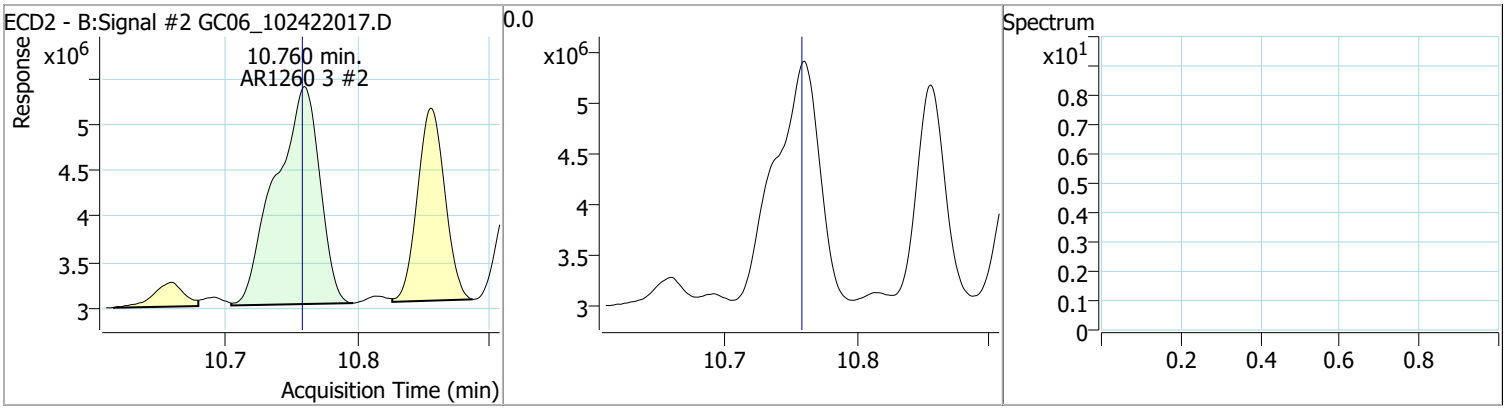
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	253.7799	10.34	0.00	4465148				



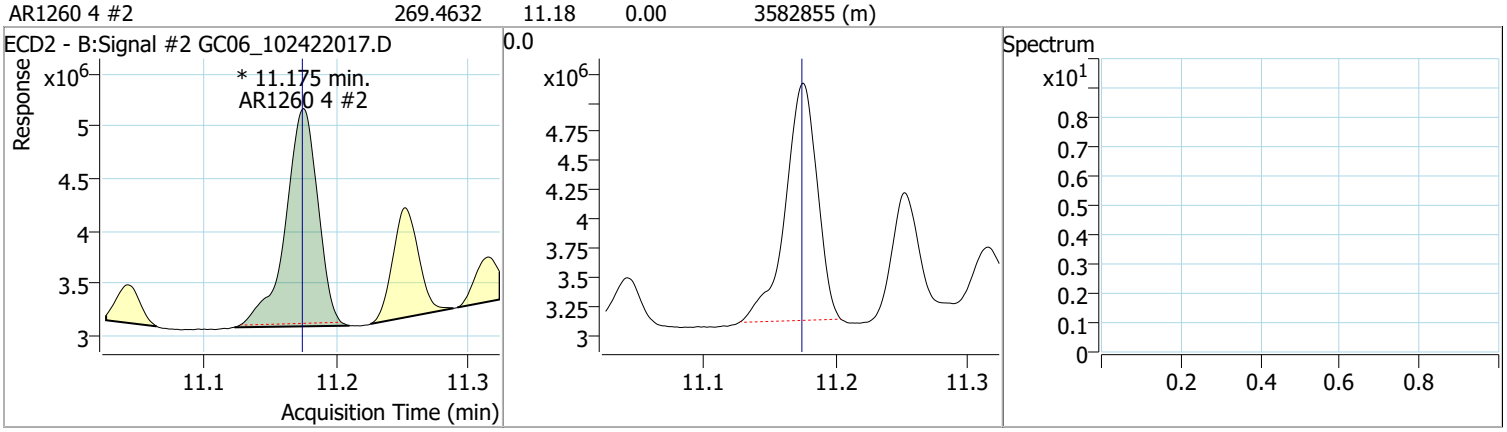
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	272.1624	10.58	0.00	2108588				



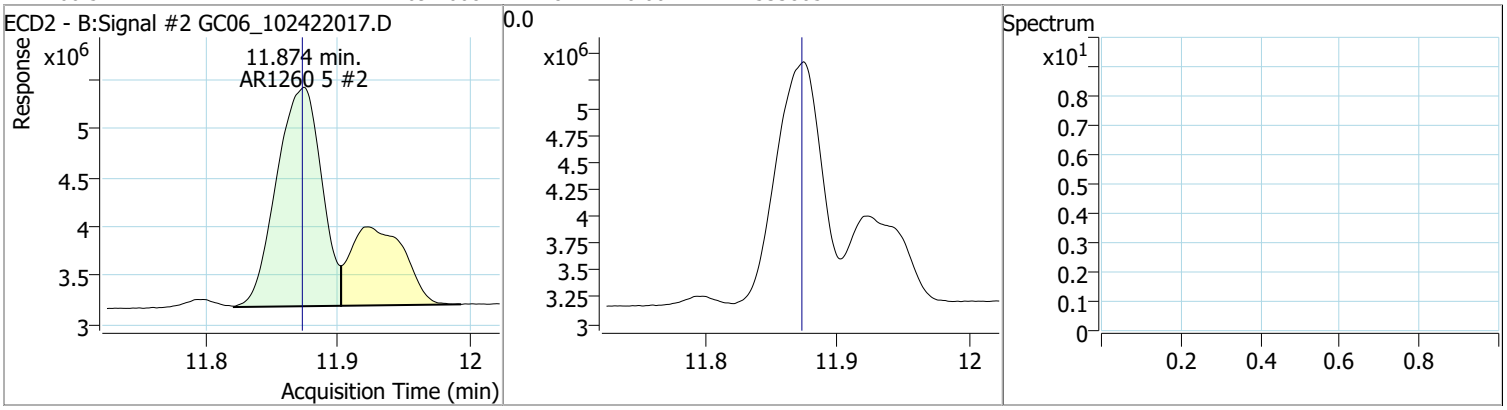
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	250.6144	10.76	0.00	5581397				



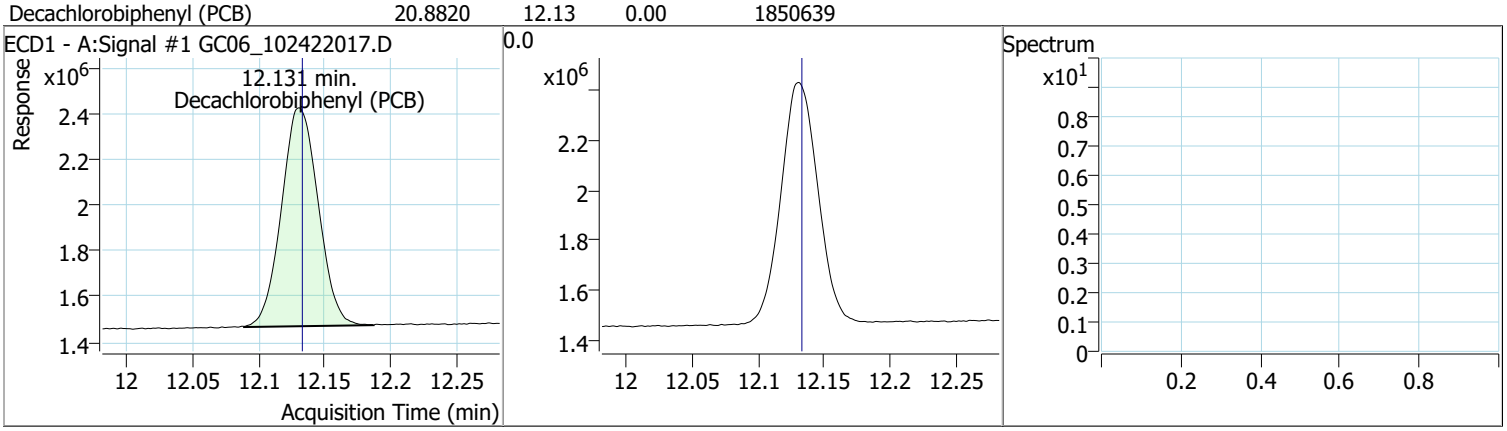
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	269.4632	11.18	0.00	3582855 (m)				



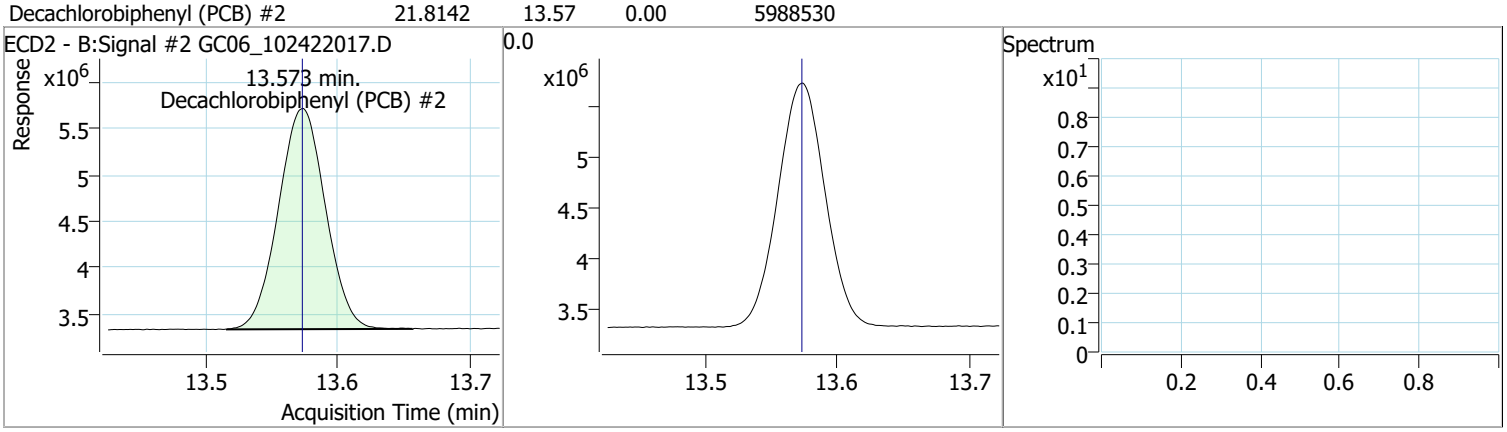
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	269.7608	11.87	0.00	5338057				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	20.8820	12.13	0.00	1850639				

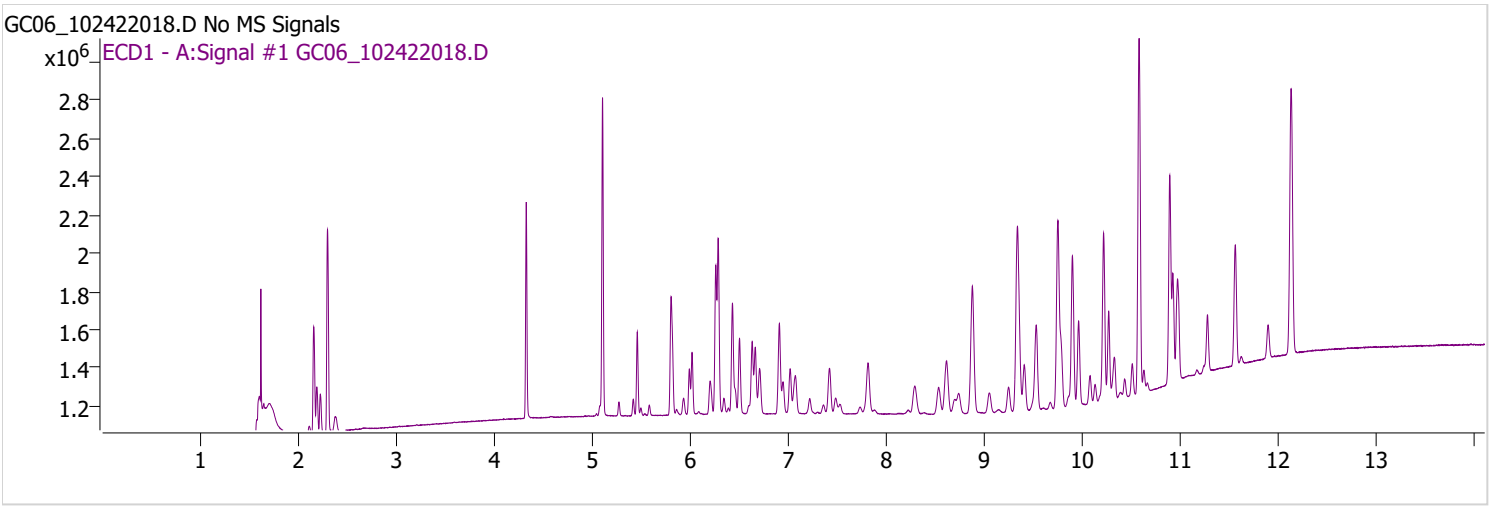


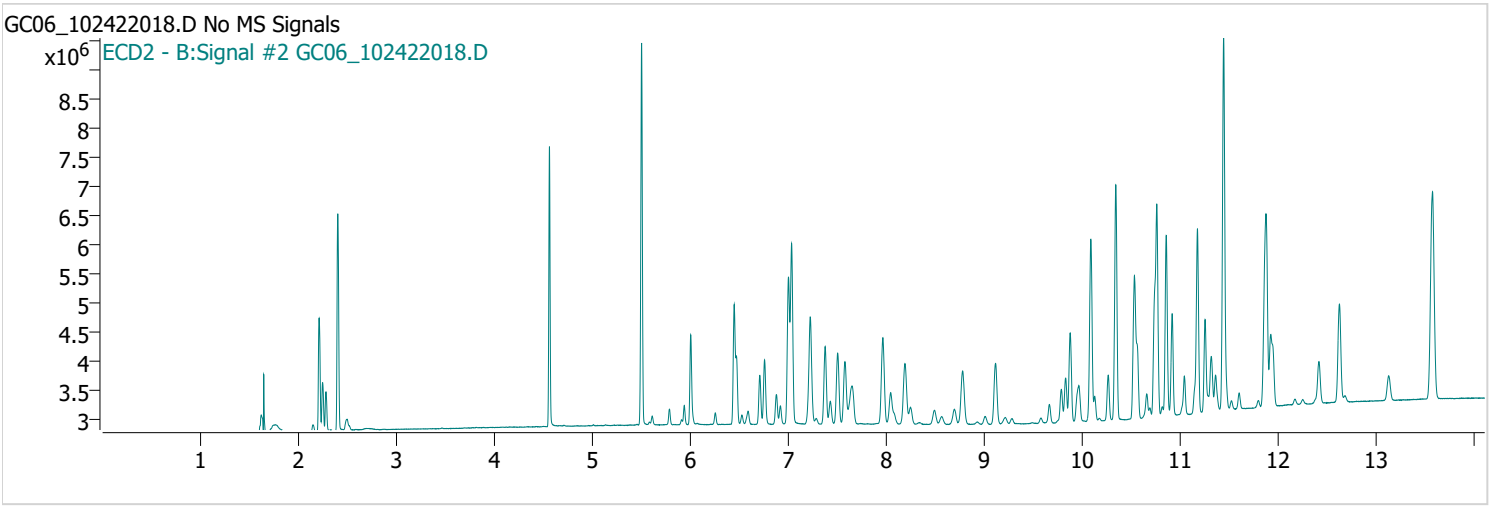
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	21.8142	13.57	0.00	5988530				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422018.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 6:38:01 PM
Sample Name	ICAL, S17267	Instrument	SVOA-GC06
Vial	15	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



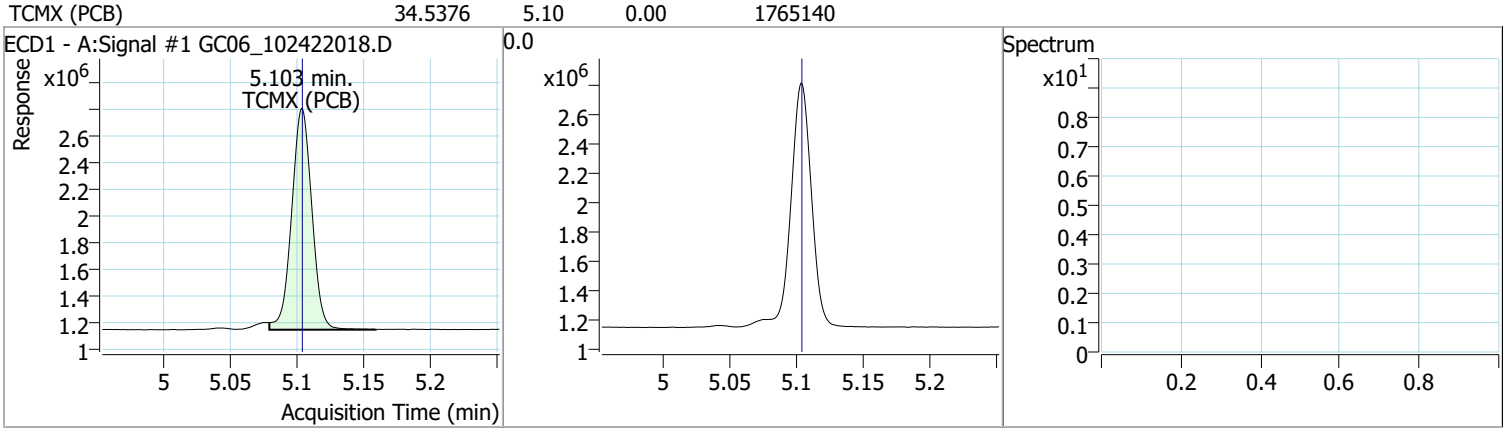


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1063014.245	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	4327999.304	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	1765140.014	34.5376	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 172.69%		*	
S TCMX (PCB) #2	5.503	0.0	7185282.107	34.5695	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 172.85%		*	
S Decachlorobiphenyl (PCB)	12.132	0.0	2792824.739	39.0257	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 195.13%		*	
S Decachlorobiphenyl (PCB) #2	13.575	0.0	9183894.715	39.6055	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.03%		*	
Target Compounds							QValue

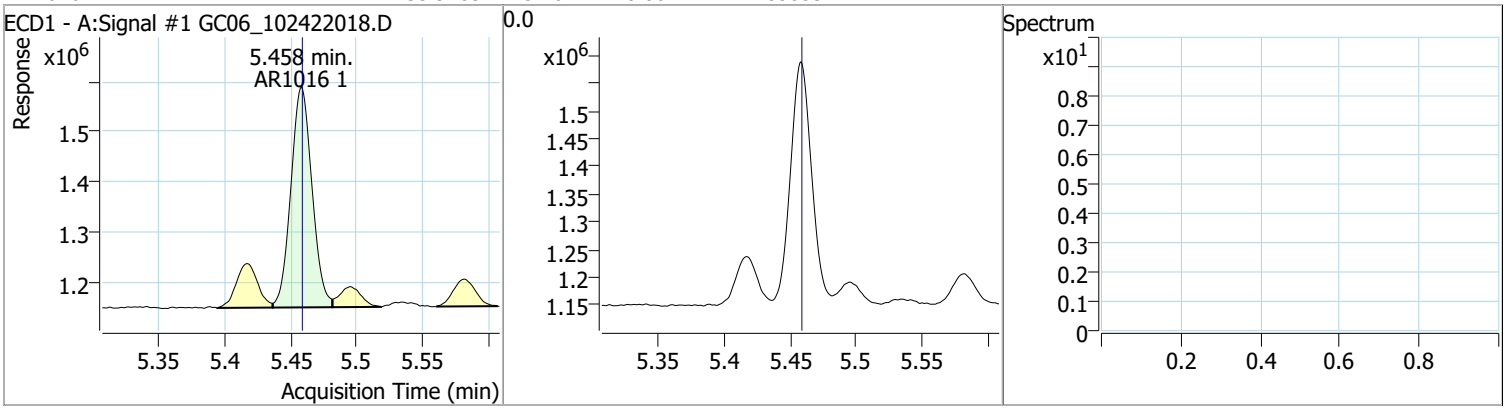
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.458	0.0	485852.867	435.9403	ng/ml		100
T AR1016 2	5.803	0.0	1068389.956	466.7356	ng/ml		100
T AR1016 1 #2	6.003	0.0	2046877.373	455.0453	ng/ml		100
T AR1016 3	6.283	0.0	1246552.904	441.1492	ng/ml		100
T AR1016 4	6.430	0.0	958287.349	445.8988	ng/ml		100
T AR1016 2 #2	6.448	0.0	2839339.245	437.2699	ng/ml	m	100
T AR1016 5	6.908	0.0	776873.262	448.7957	ng/ml		100
T AR1016 3 #2	7.033	0.0	5153170.052	436.7672	ng/ml		100
T AR1016 4 #2	7.223	0.0	3762341.264	446.6742	ng/ml		100
T AR1016 5 #2	7.965	0.0	3081651.312	450.0997	ng/ml		100
T AR1260 1	8.878	0.0	1535144.810	427.1323	ng/ml		100
T AR1260 2	9.338	0.0	2395142.001	437.2290	ng/ml		100
T AR1260 3	9.752	0.0	2465753.437	430.6459	ng/ml		100
T AR1260 1 #2	10.088	0.0	5518695.670	428.4678	ng/ml		100
T AR1260 4	10.218	0.0	1491017.295	477.5929	ng/ml		100
T AR1260 2 #2	10.342	0.0	6578337.875	425.0754	ng/ml		100
T AR1260 5	10.581	0.0	3129643.582	472.8847	ng/ml		100
T AR1260 3 #2	10.760	0.0	8315695.484	424.5121	ng/ml		100
T AR1260 4 #2	11.176	0.0	5439717.782	482.3064	ng/ml		100
T AR1260 5 #2	11.875	0.0	8037599.403	475.0785	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

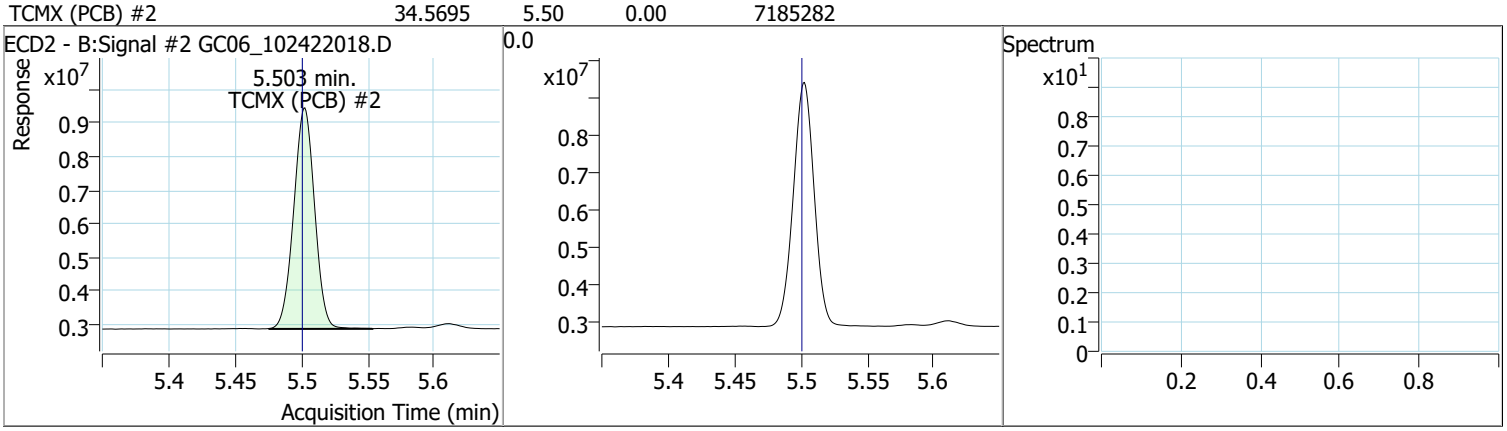
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	34.5376	5.10	0.00	1765140				



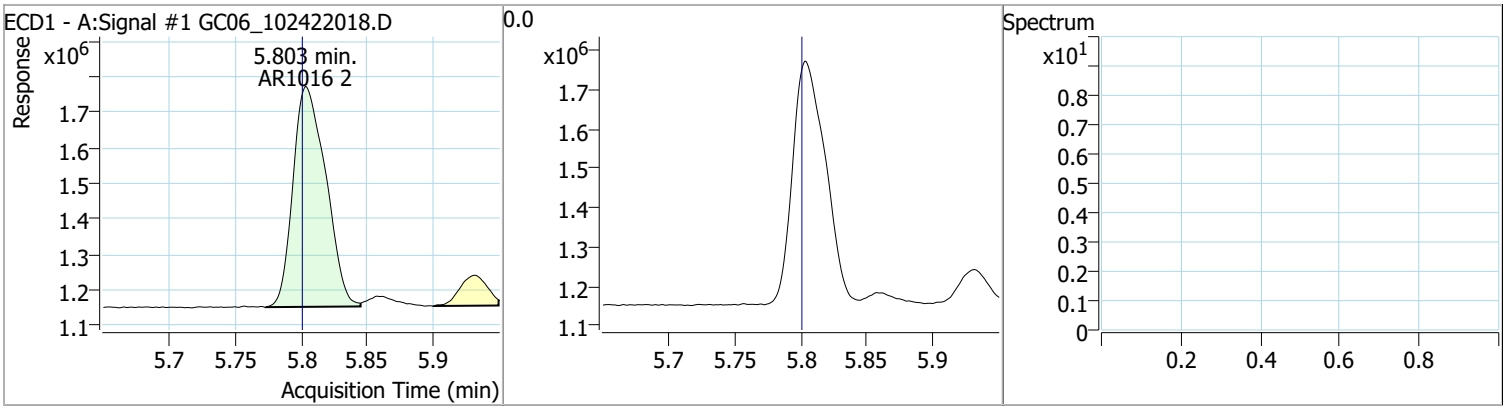
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	435.9403	5.46	0.00	485853				



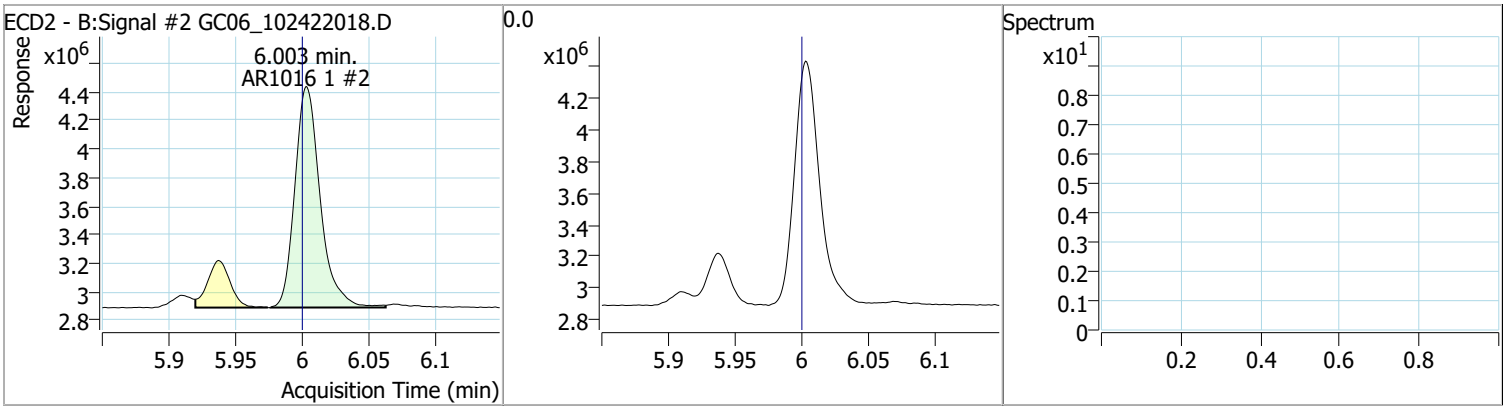
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	34.5695	5.50	0.00	7185282				



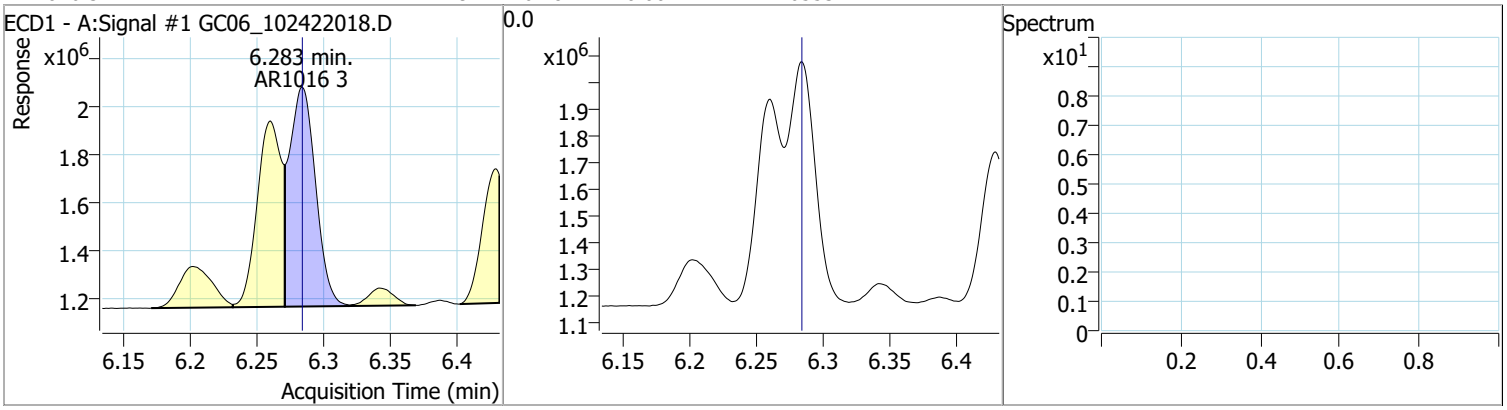
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	466.7356	5.80	0.00	1068390				



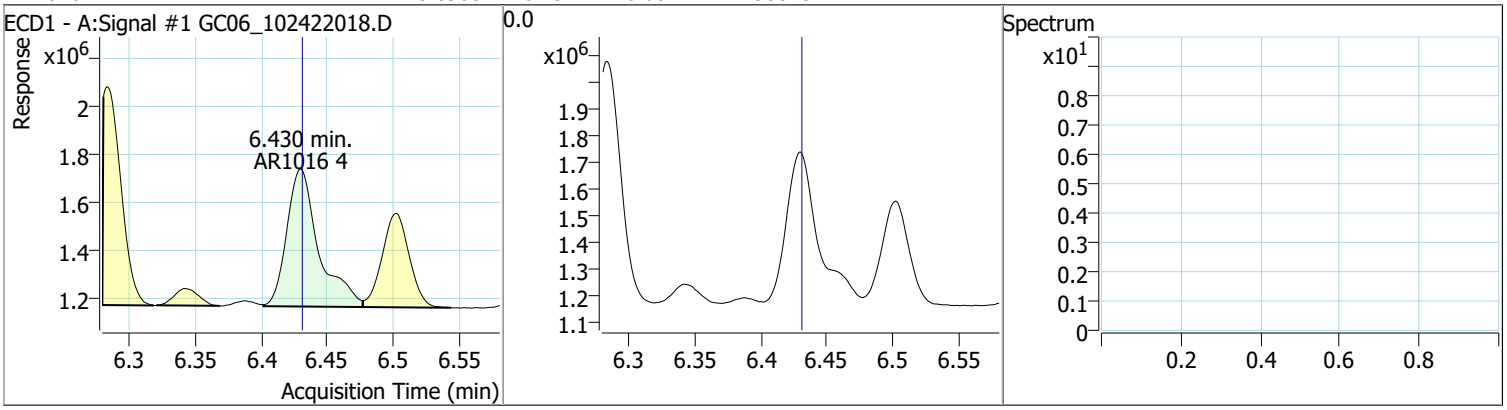
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	455.0453	6.00	0.00	2046877				



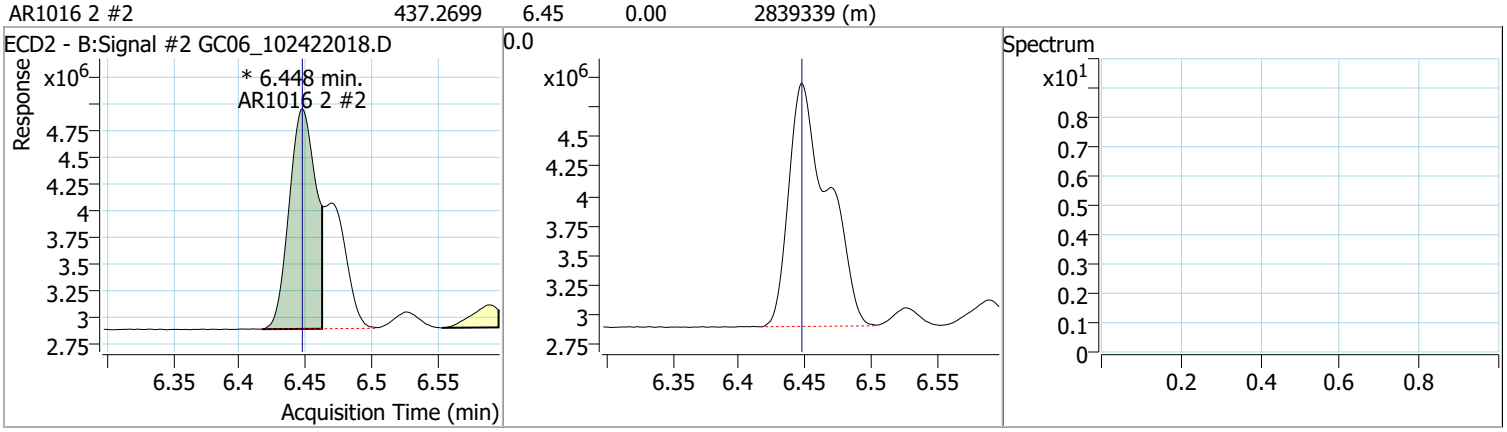
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	441.1492	6.28	0.00	1246553				



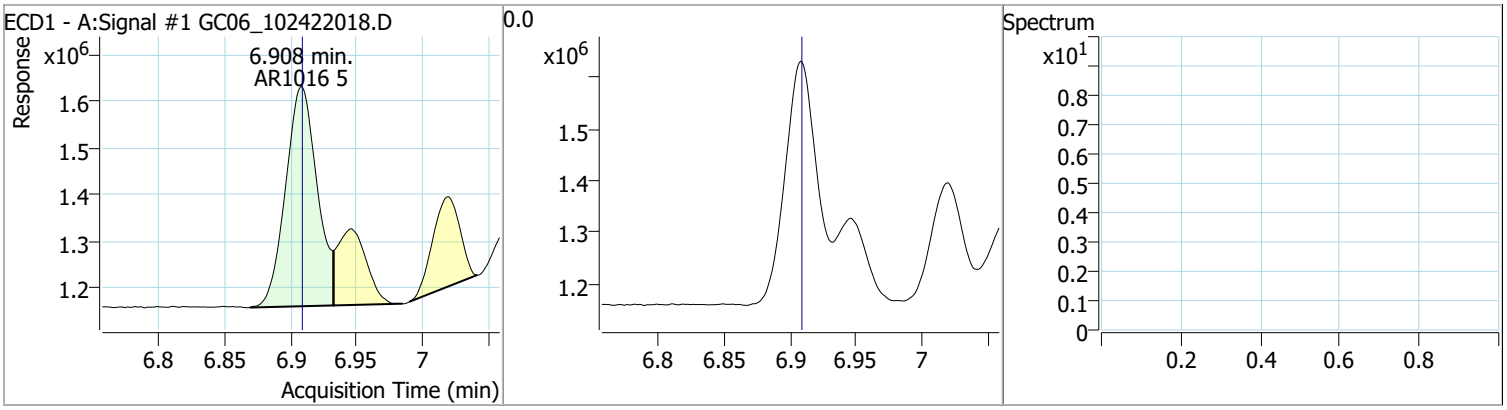
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	445.8988	6.43	0.00	958287				



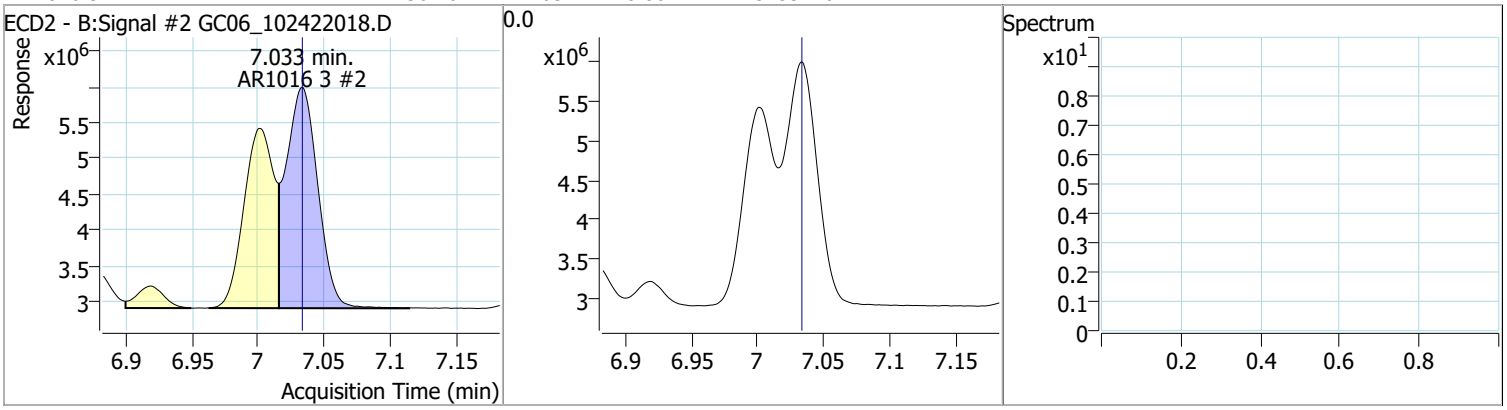
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	437.2699	6.45	0.00	2839339 (m)				



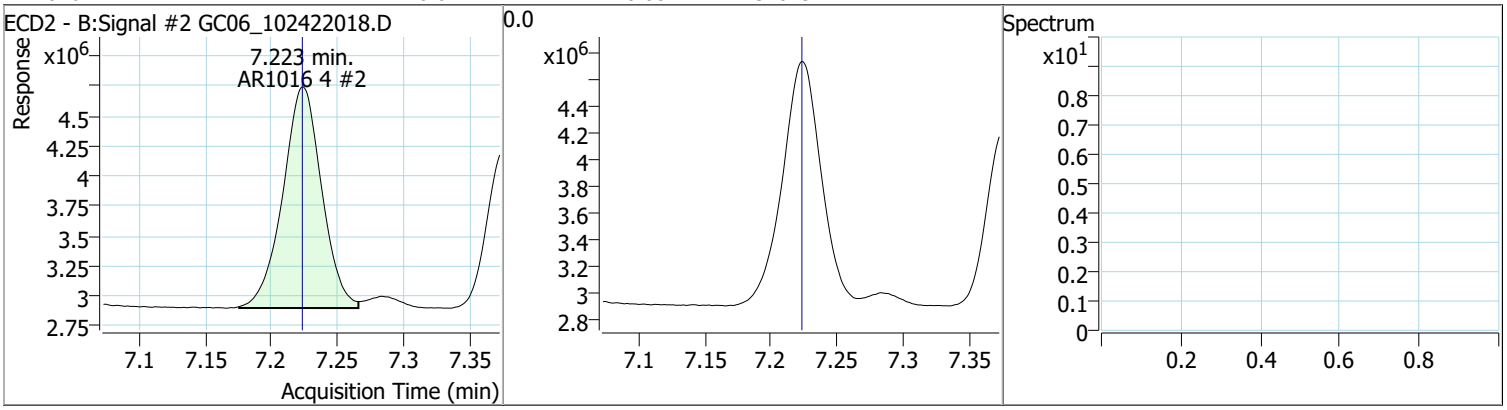
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	448.7957	6.91	0.00	776873				



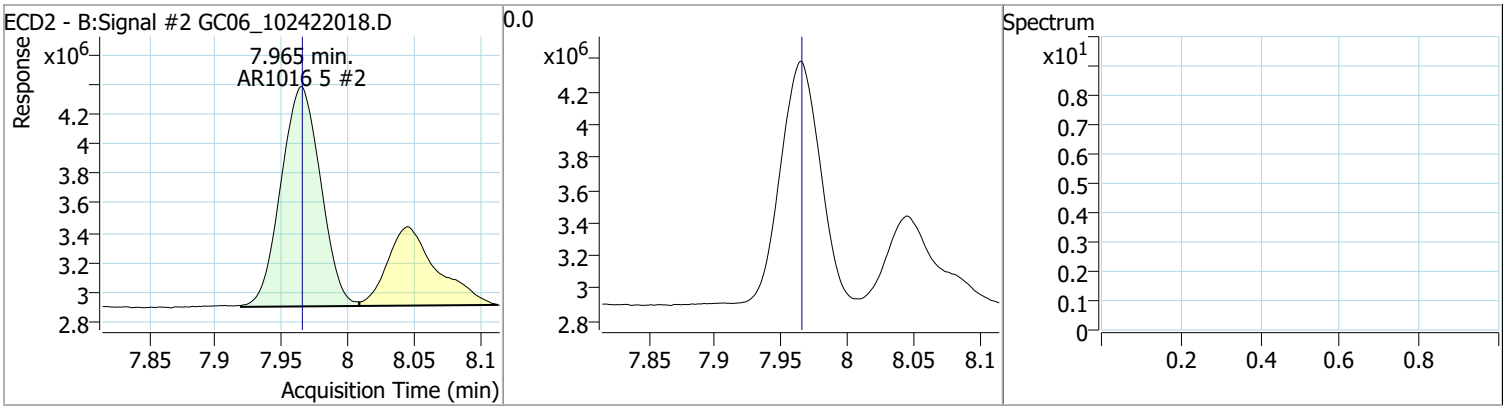
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	436.7672	7.03	0.00	5153170				



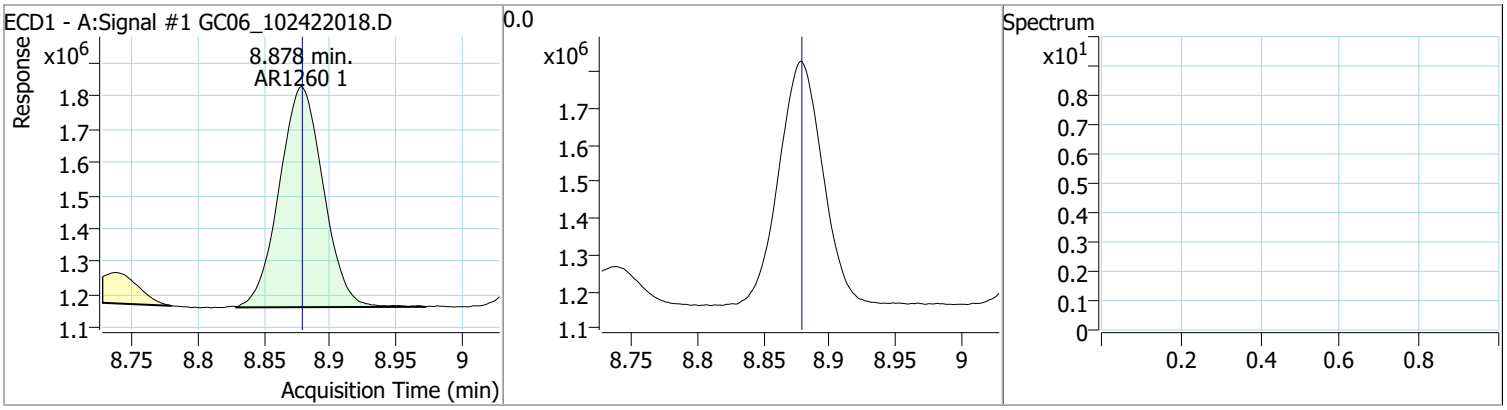
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	446.6742	7.22	0.00	3762341				



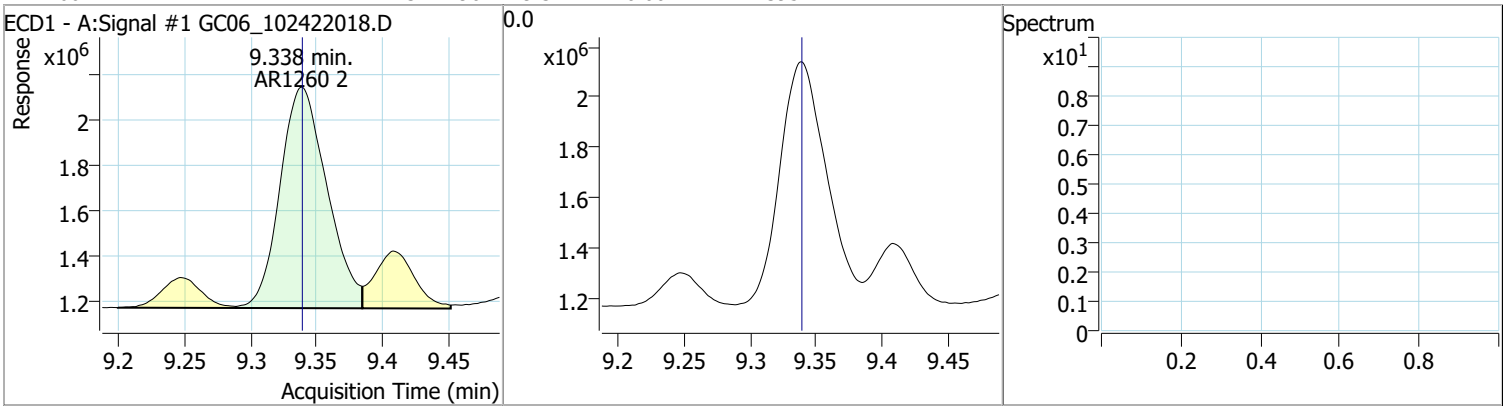
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	450.0997	7.97	0.00	3081651				



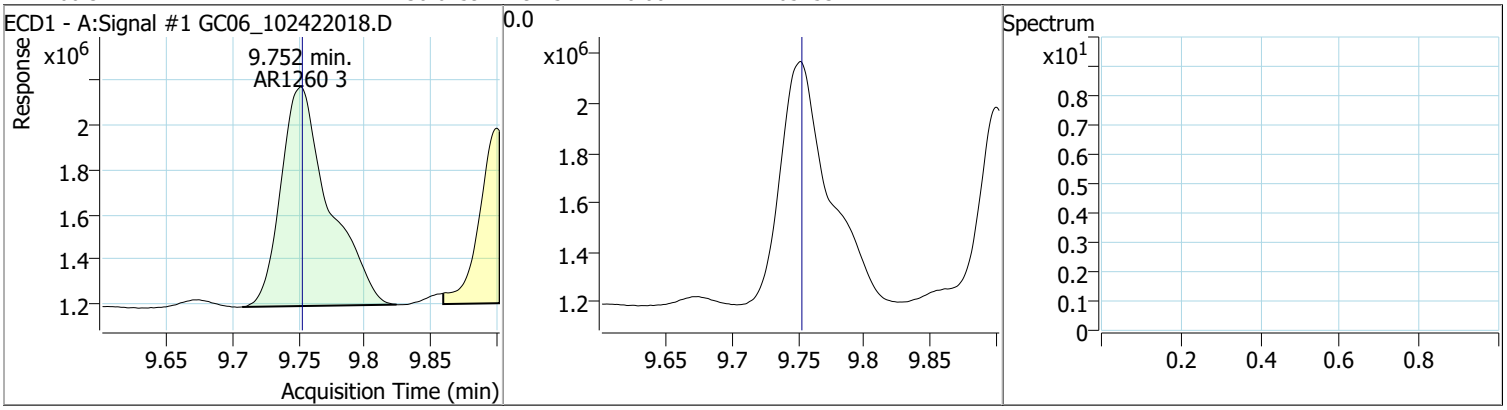
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	427.1323	8.88	0.00	1535145				



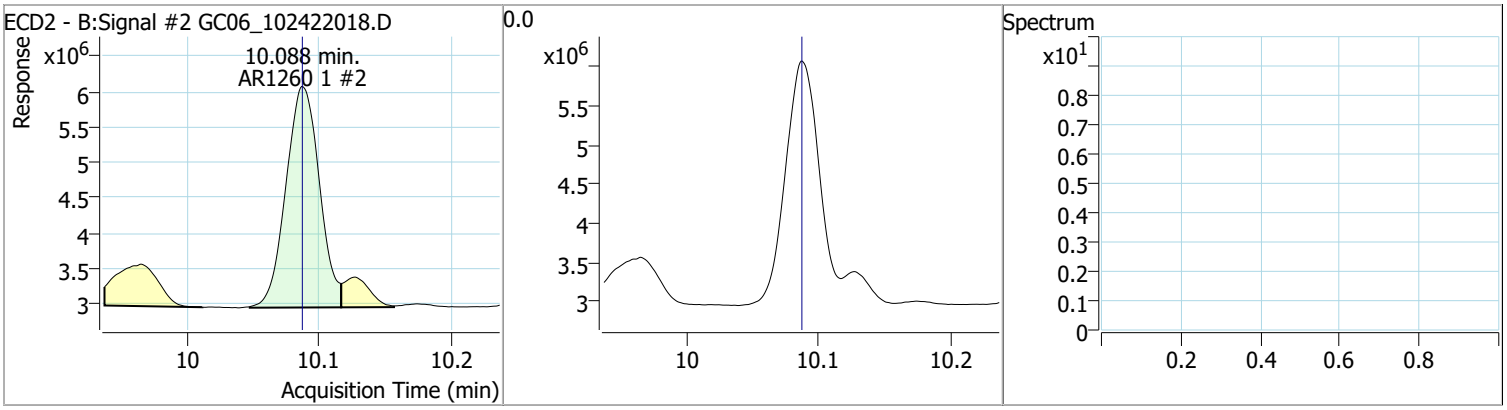
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	437.2290	9.34	0.00	2395142				



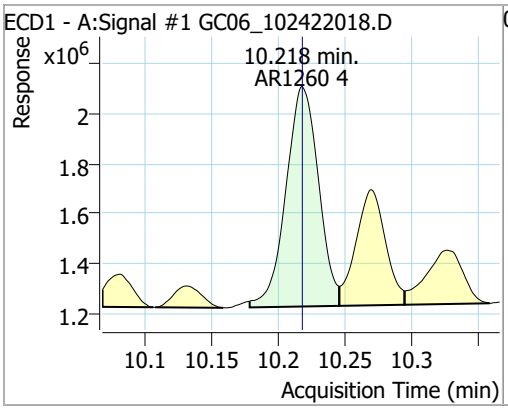
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	430.6459	9.75	0.00	2465753				

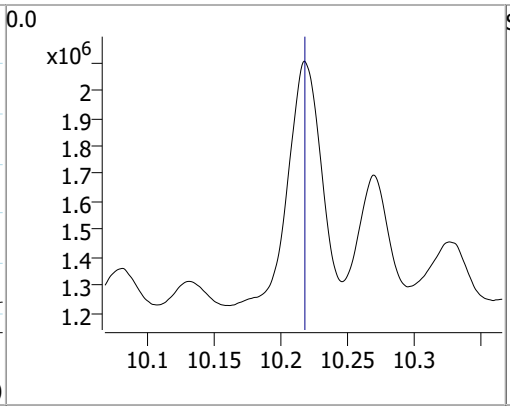


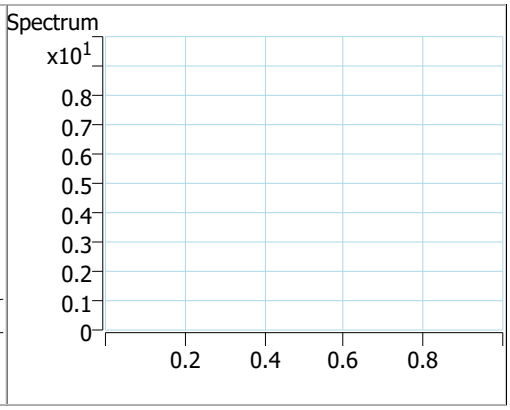
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	428.4678	10.09	0.00	5518696				



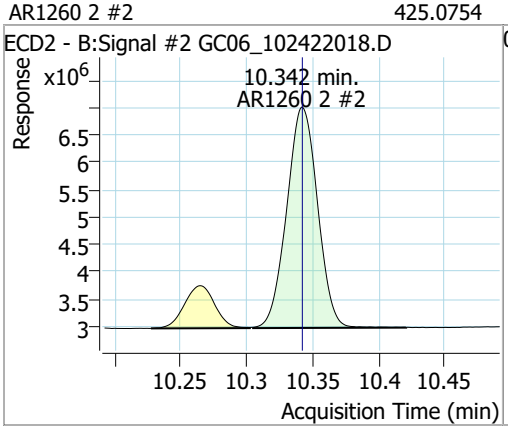
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	477.5929	10.22	0.00	1491017				

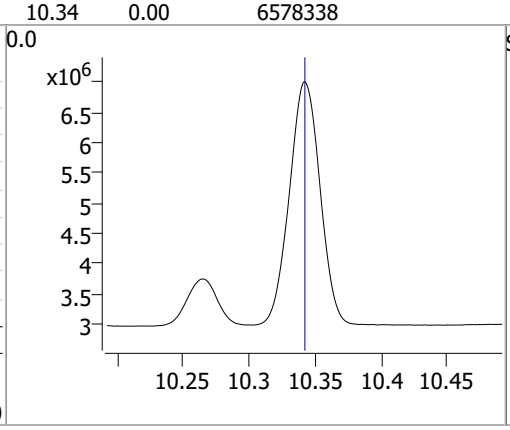


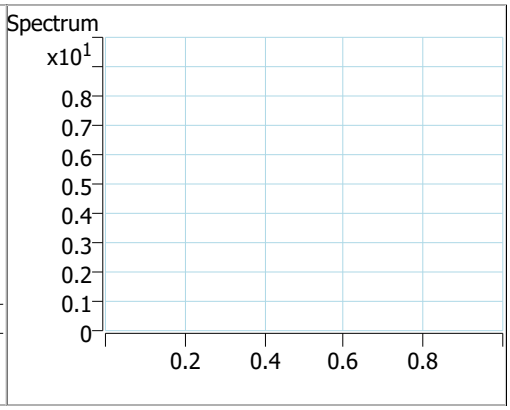




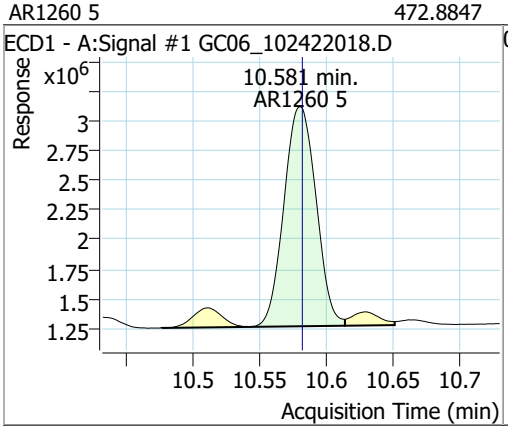
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	425.0754	10.34	0.00	6578338				

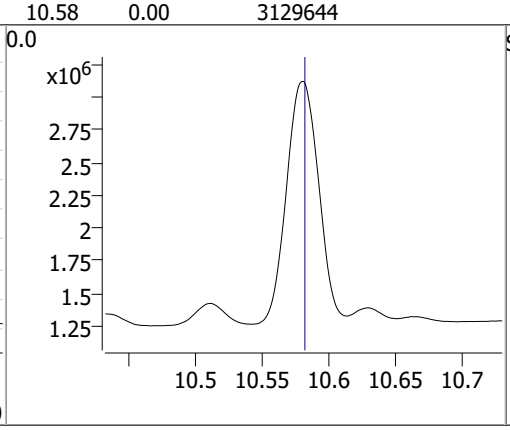


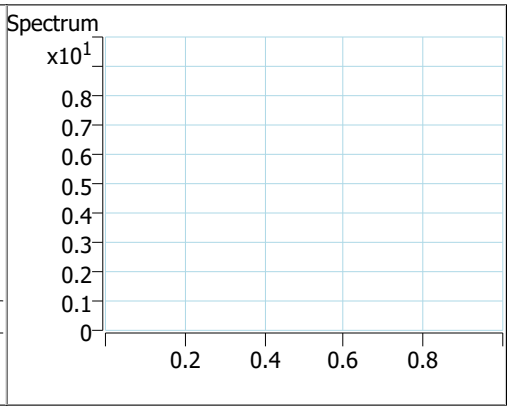




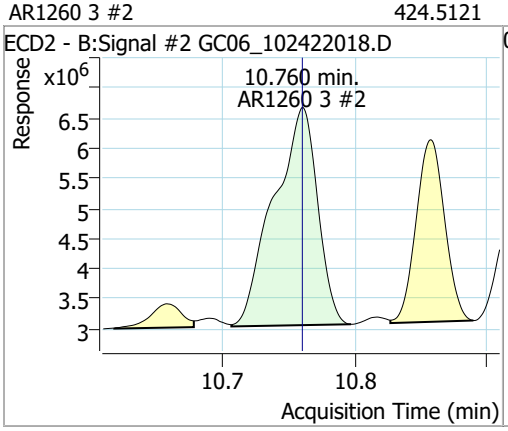
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	472.8847	10.58	0.00	3129644				

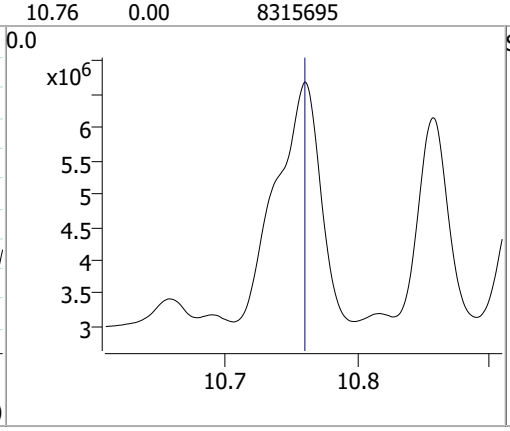


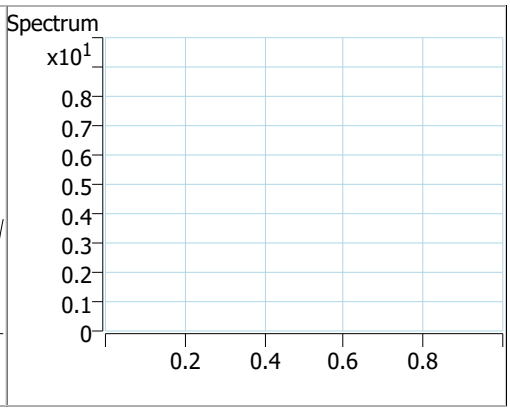




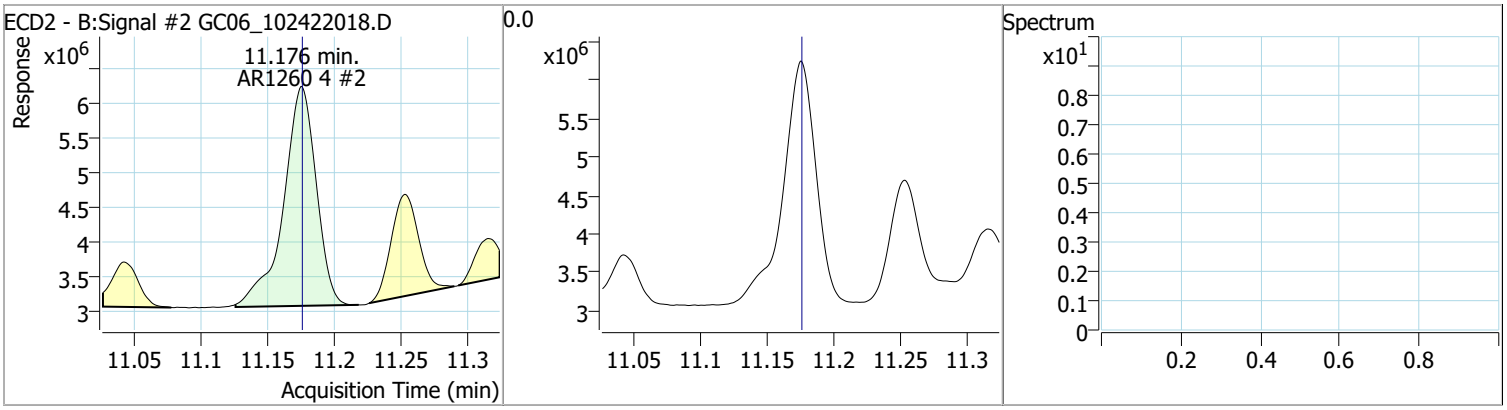
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	424.5121	10.76	0.00	8315695				



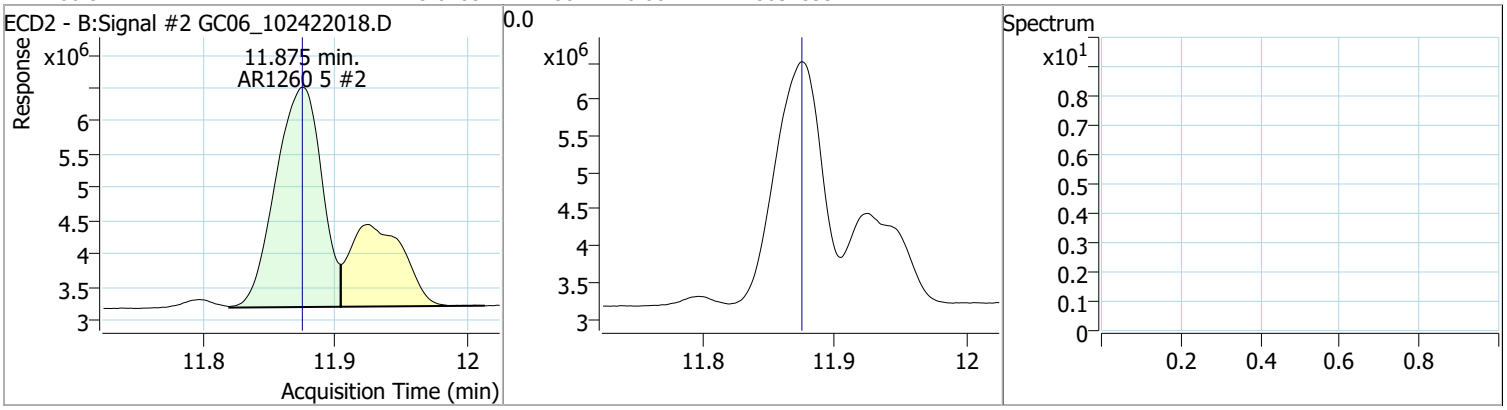




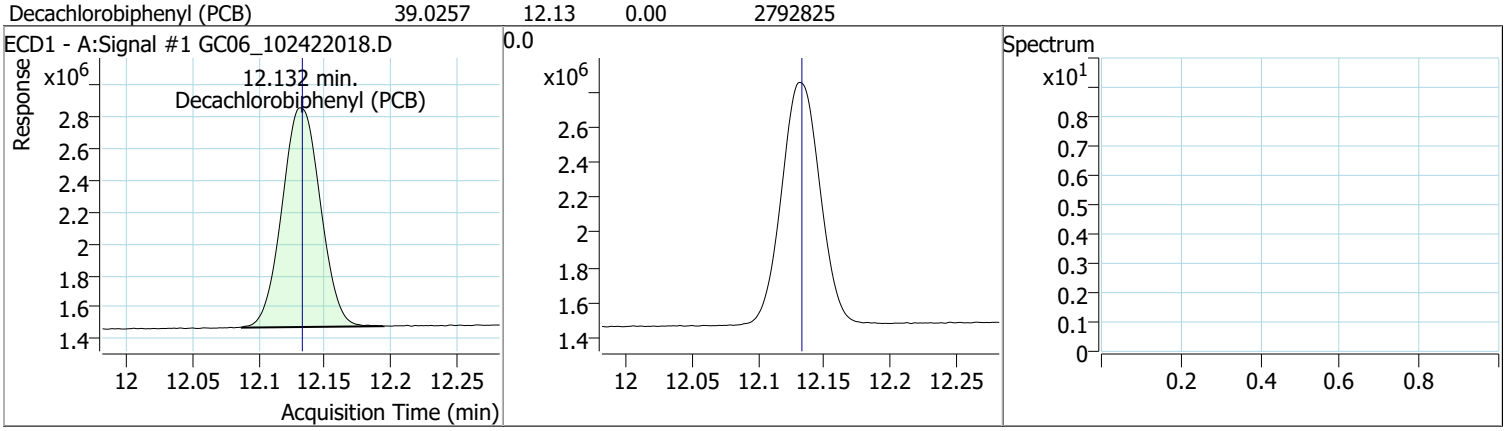
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	482.3064	11.18	0.00	5439718				



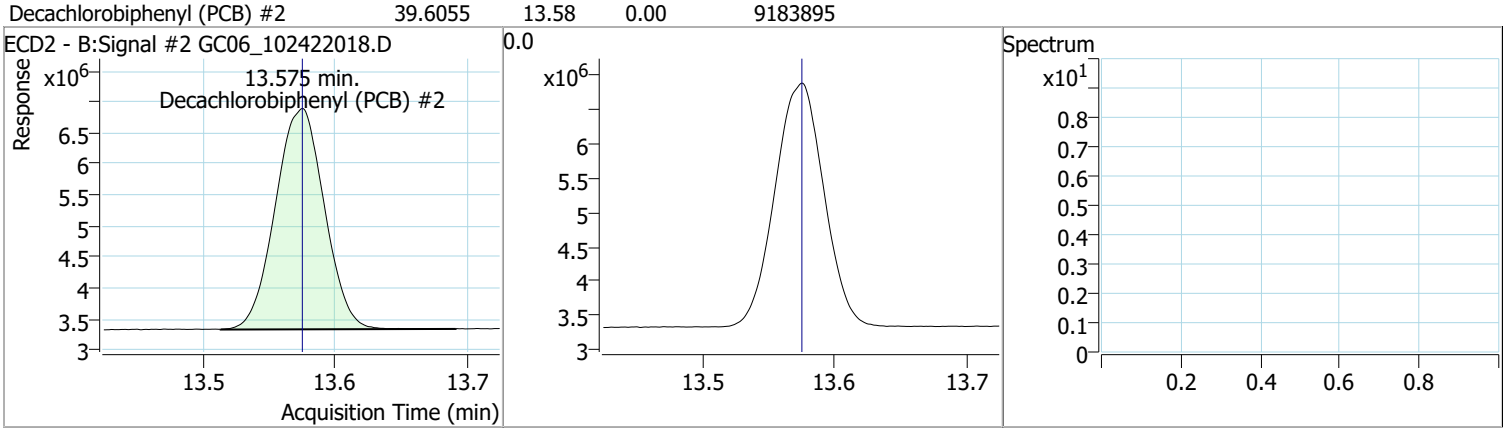
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	475.0785	11.88	0.00	8037599				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.0257	12.13	0.00	2792825				

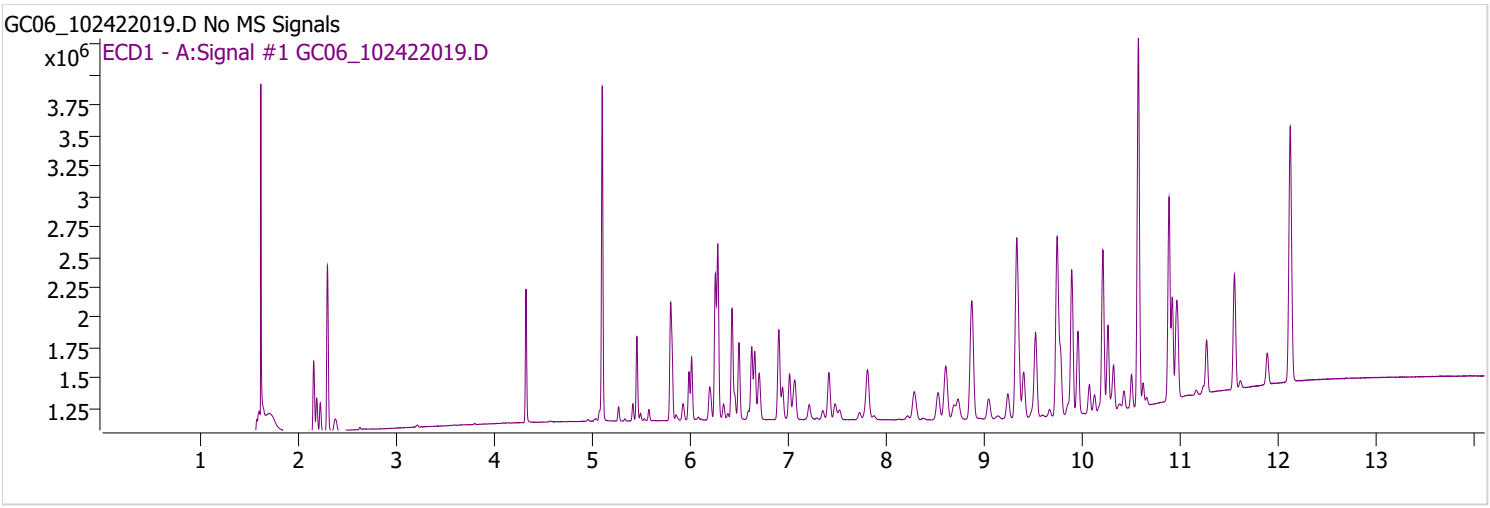


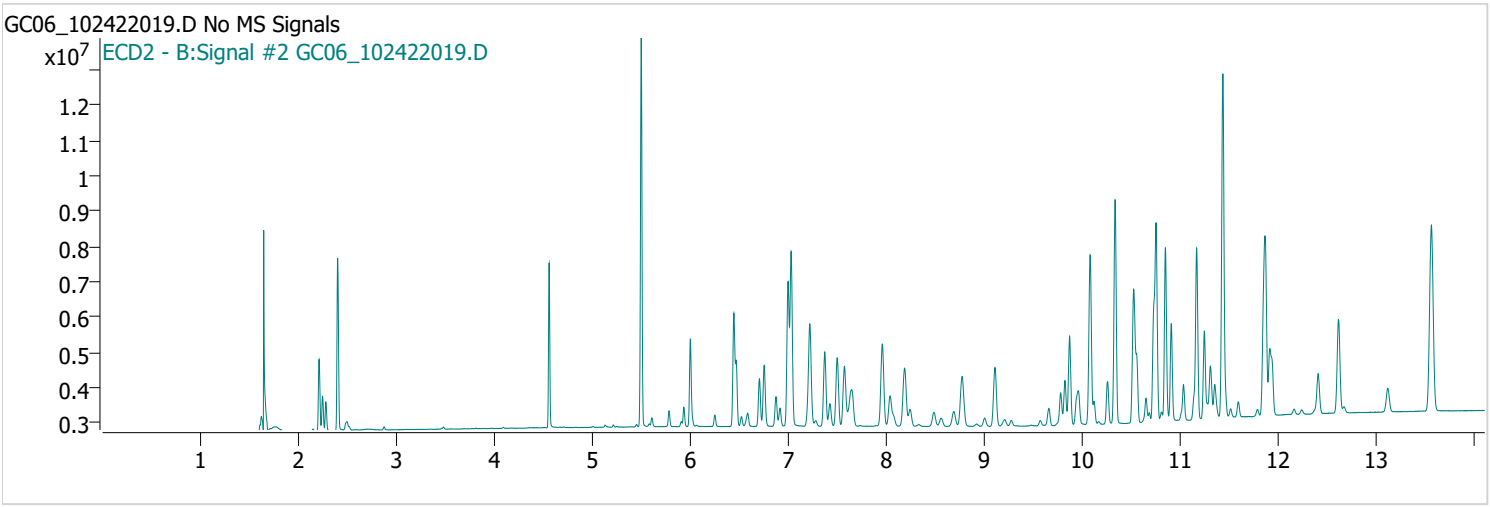
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	39.6055	13.58	0.00	9183895				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422019.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 6:55:57 PM
Sample Name	ICAL, S17268	Instrument	SVOA-GC06
Vial	16	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



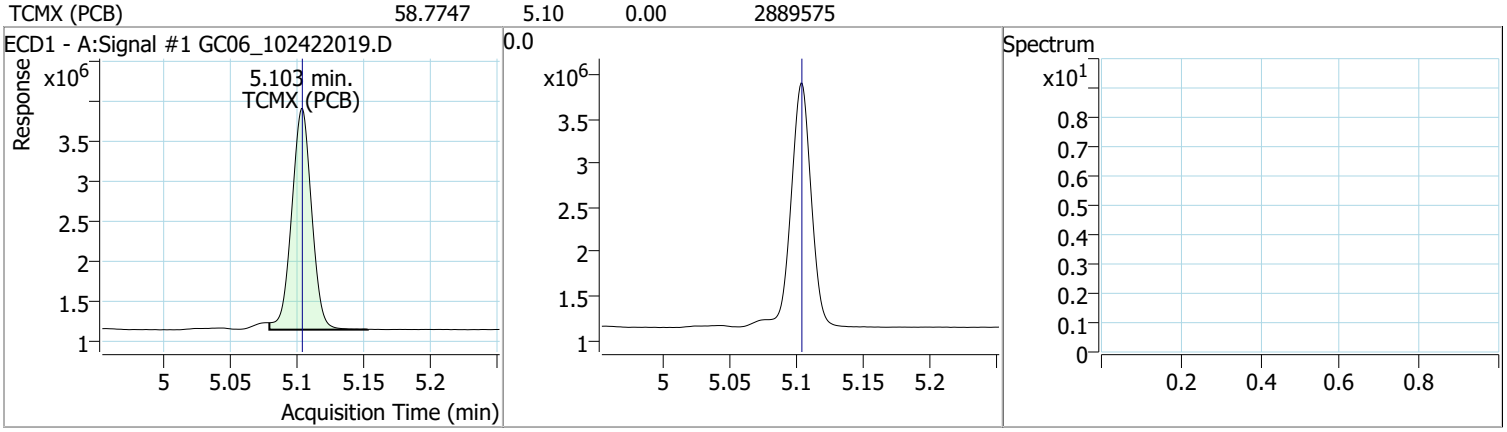


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1022576.576	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	4174033.845	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	2889575.318	58.7747	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 293.87%		*	
S TCMX (PCB) #2	5.502	0.0	12018447.242	59.9555	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 299.78%		*	
S Decachlorobiphenyl (PCB)	12.131	0.0	4087132.062	61.6234	ng/ml	m	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 308.12%		*	
S Decachlorobiphenyl (PCB) #2	13.573	0.0	13554343.443	61.7298	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 308.65%		*	
Target Compounds							QValue

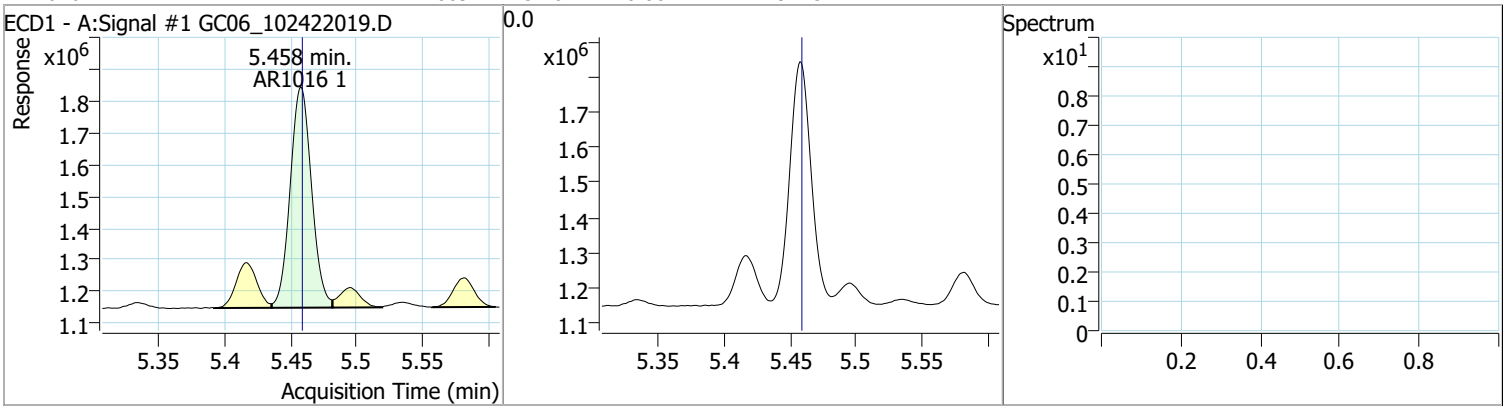
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.458	0.0	779425.049	727.0091	ng/ml		100
T AR1016 2	5.803	0.0	1697508.479	780.9261	ng/ml		100
T AR1016 1 #2	6.003	0.0	3250519.385	749.2846	ng/ml		100
T AR1016 3	6.284	0.0	1999248.159	735.5035	ng/ml		100
T AR1016 4	6.430	0.0	1529918.274	740.0346	ng/ml		100
T AR1016 2 #2	6.448	0.0	4584883.612	732.1361	ng/ml	m	100
T AR1016 5	6.908	0.0	1230110.661	738.7304	ng/ml		100
T AR1016 3 #2	7.033	0.0	8226702.311	722.9904	ng/ml		100
T AR1016 4 #2	7.223	0.0	5998163.664	738.3839	ng/ml		100
T AR1016 5 #2	7.964	0.0	4908449.359	743.3626	ng/ml		100
T AR1260 1	8.878	0.0	2377973.108	687.8018	ng/ml	m	100
T AR1260 2	9.338	0.0	3608366.991	684.7493	ng/ml		100
T AR1260 3	9.750	0.0	3823910.537	694.2591	ng/ml		100
T AR1260 1 #2	10.087	0.0	8619738.178	693.9161	ng/ml		100
T AR1260 4	10.218	0.0	2291687.481	772.3166	ng/ml		100
T AR1260 2 #2	10.342	0.0	10189046.973	682.6759	ng/ml		100
T AR1260 5	10.579	0.0	4841911.227	771.5470	ng/ml		100
T AR1260 3 #2	10.760	0.0	12934062.436	684.6327	ng/ml		100
T AR1260 4 #2	11.174	0.0	8435663.631	789.9076	ng/ml		100
T AR1260 5 #2	11.873	0.0	12366844.232	769.0388	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

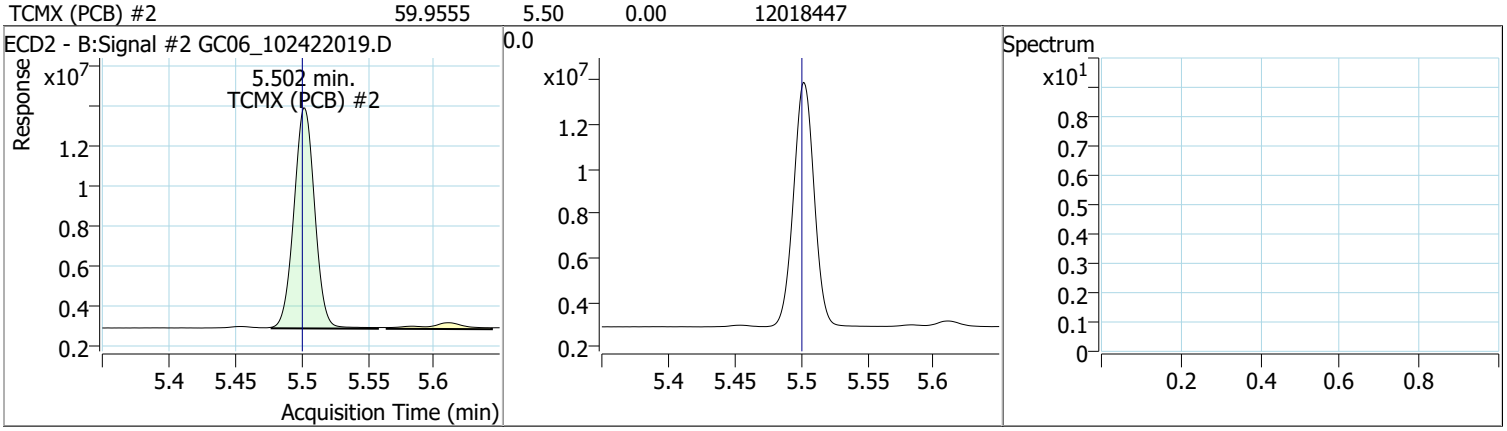
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	58.7747	5.10	0.00	2889575				



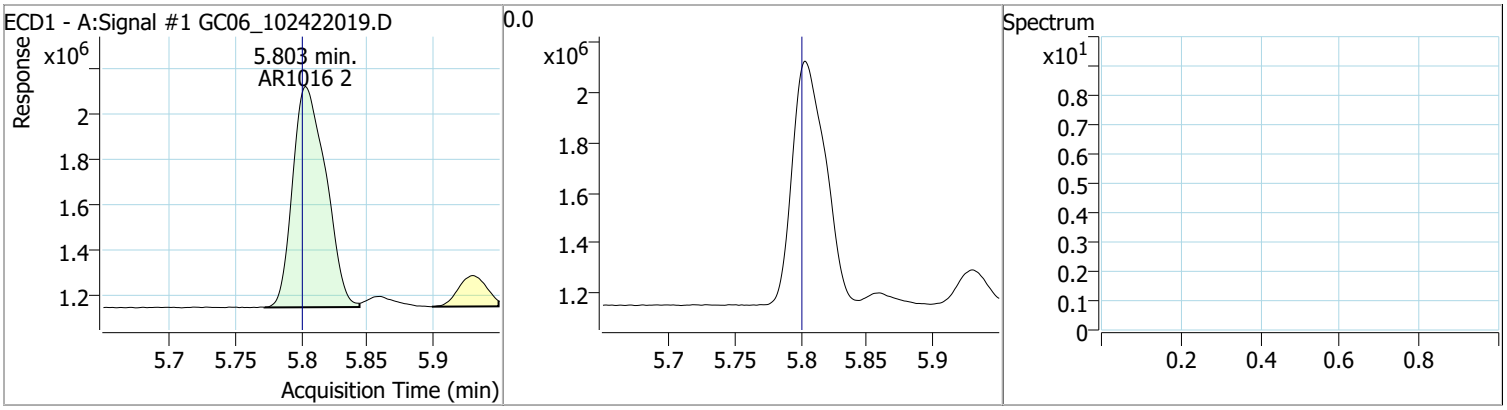
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	727.0091	5.46	0.00	779425				



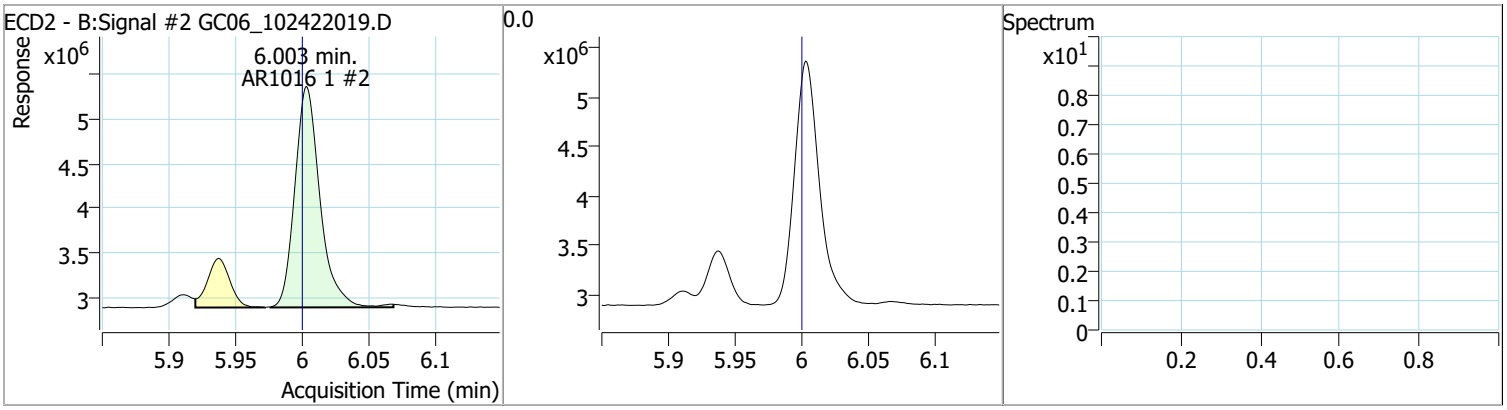
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	59.9555	5.50	0.00	12018447				



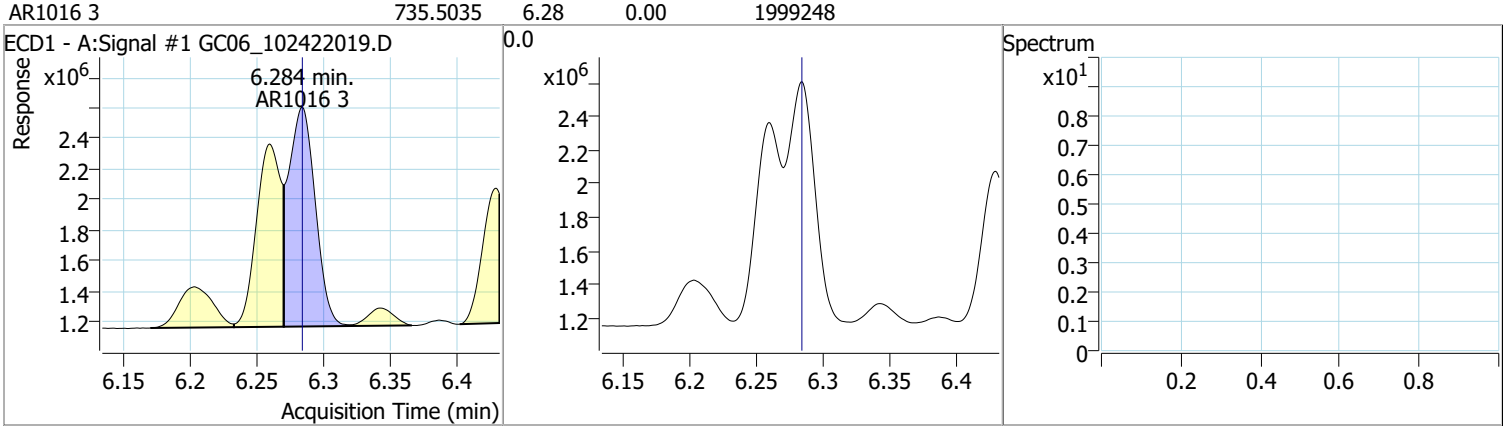
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	780.9261	5.80	0.00	1697508				



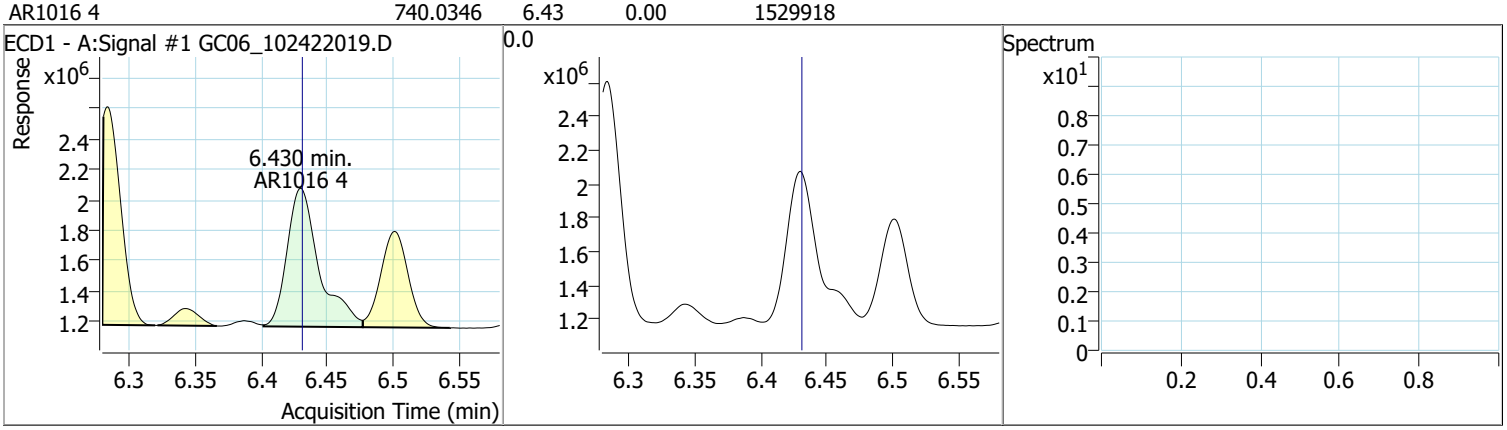
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	749.2846	6.00	0.00	3250519				



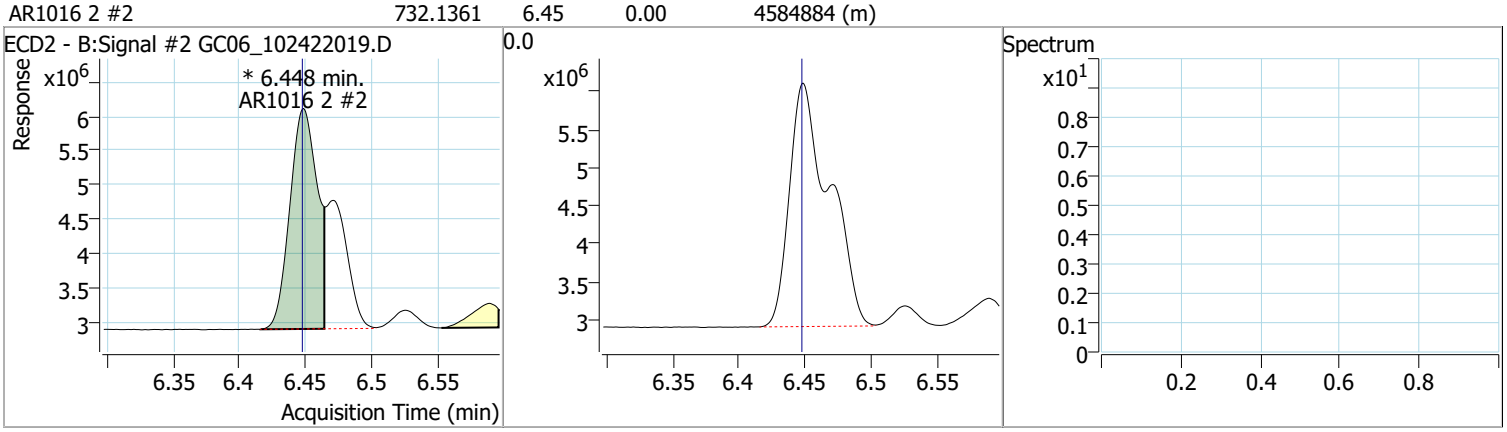
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	735.5035	6.28	0.00	1999248				



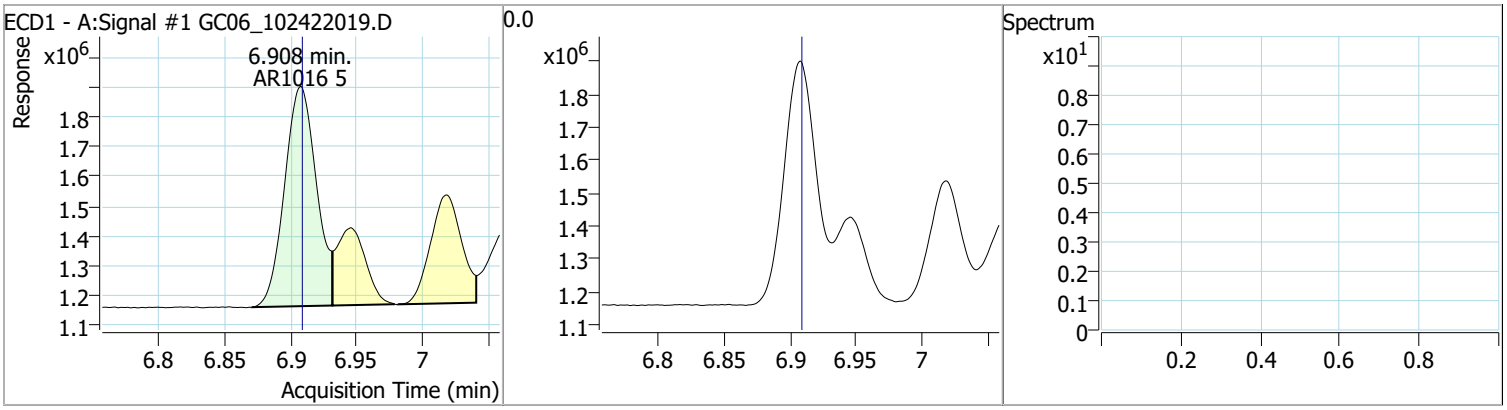
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	740.0346	6.43	0.00	1529918				



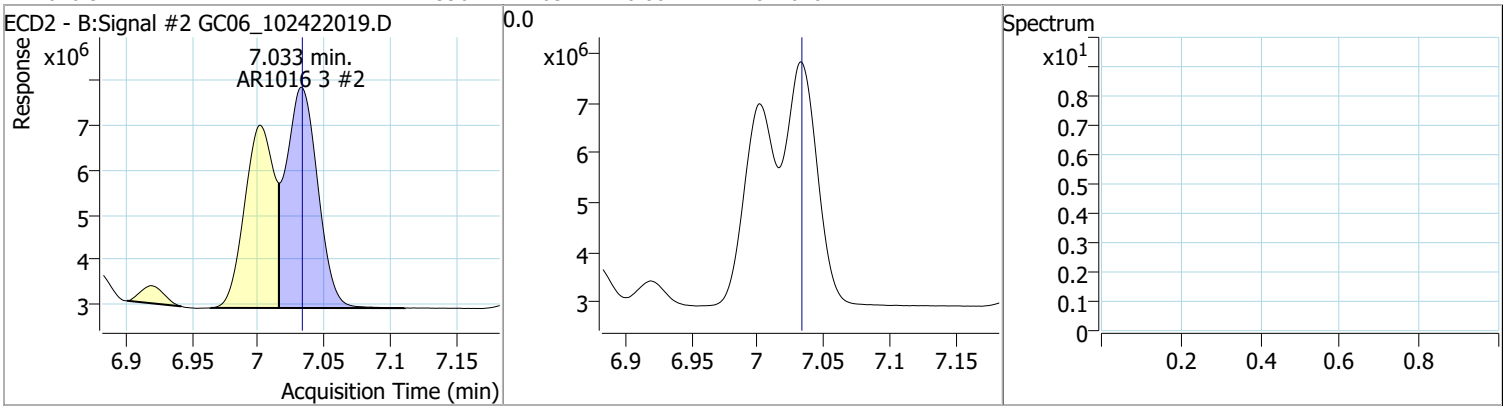
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	732.1361	6.45	0.00	4584884 (m)				



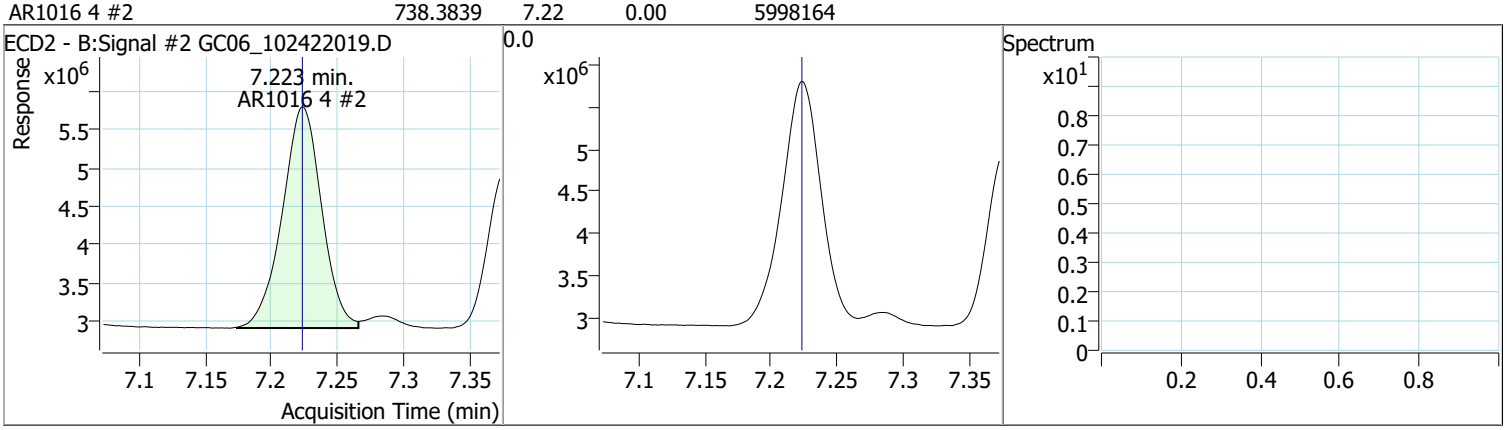
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	738.7304	6.91	0.00	1230111				



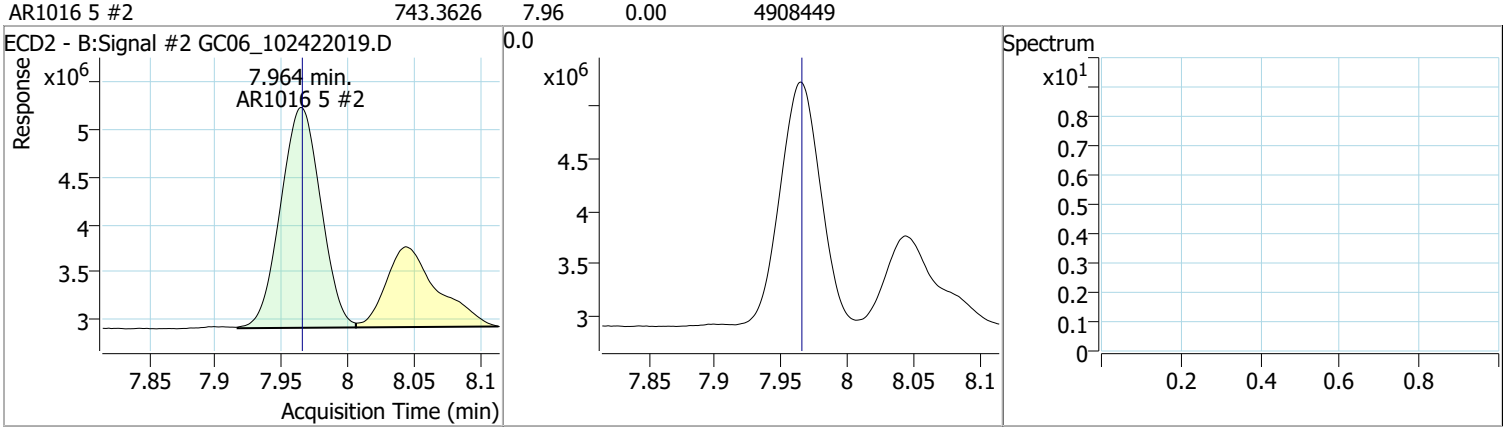
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	722.9904	7.03	0.00	8226702				



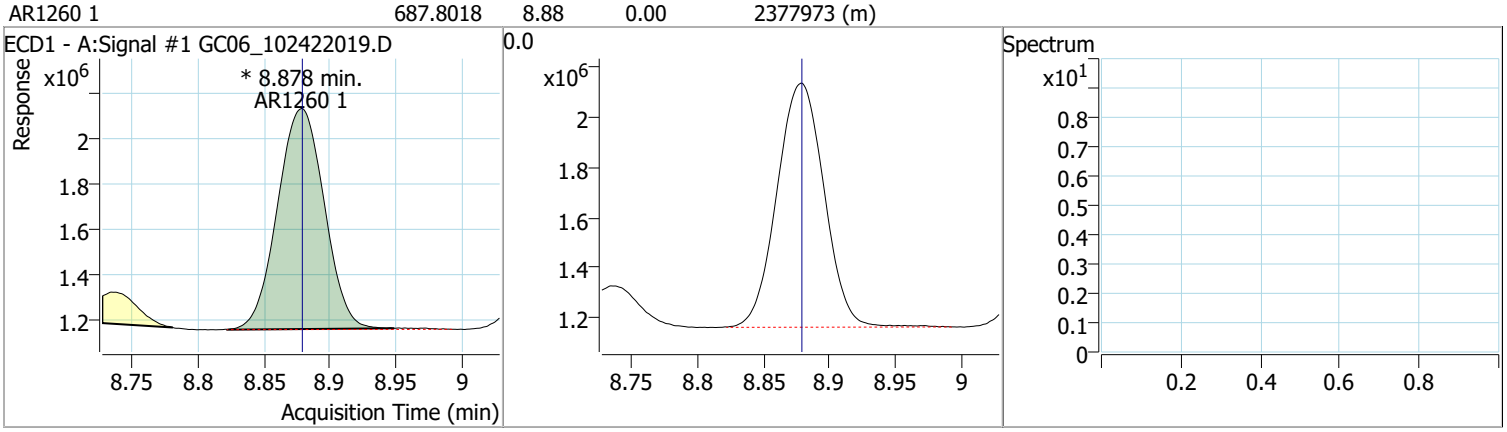
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	738.3839	7.22	0.00	5998164				



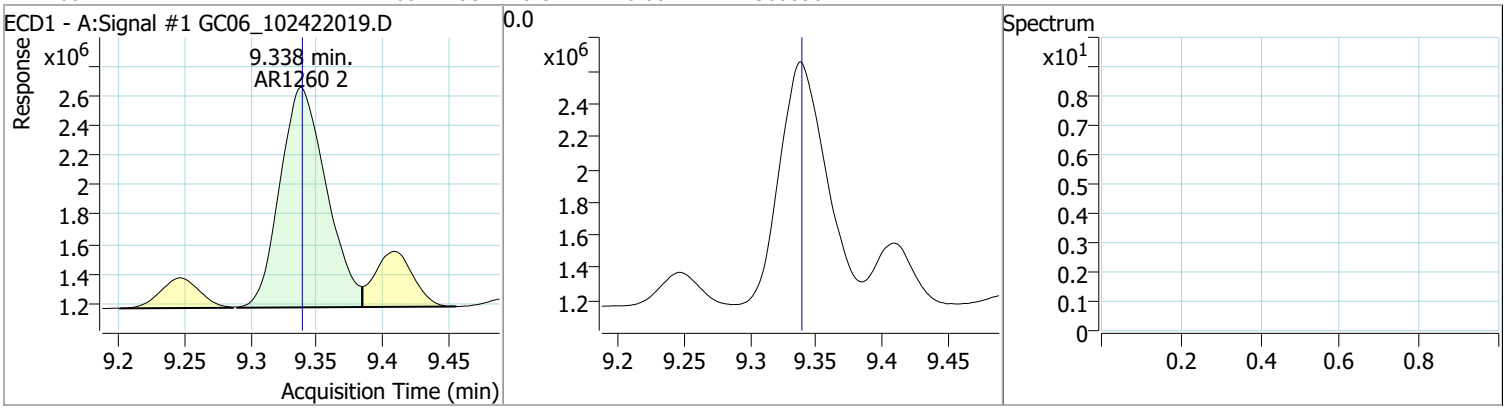
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	743.3626	7.96	0.00	4908449				



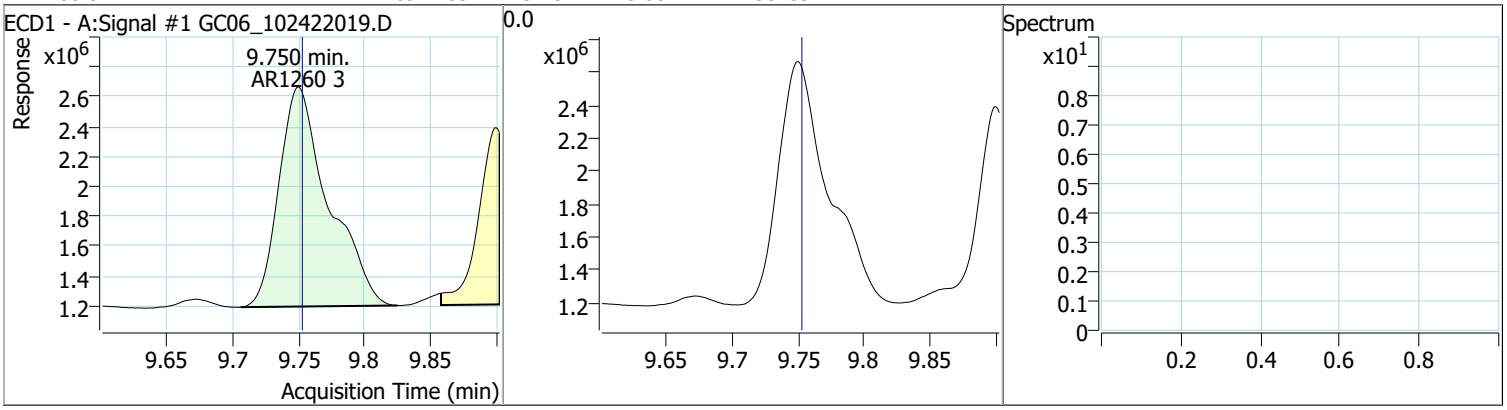
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	687.8018	8.88	0.00	2377973 (m)				



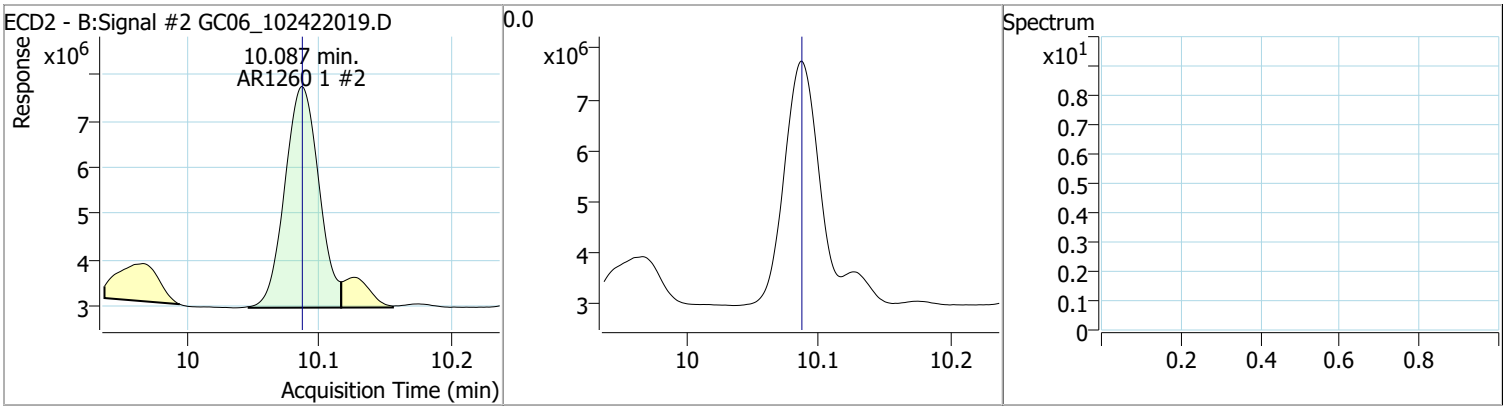
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	684.7493	9.34	0.00	3608367				



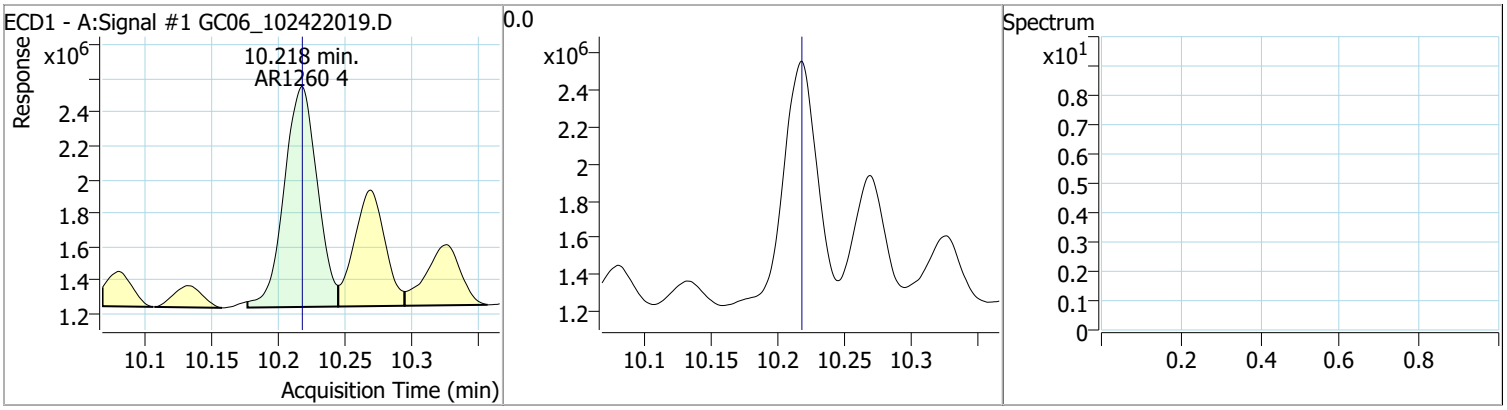
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	694.2591	9.75	0.00	3823911				



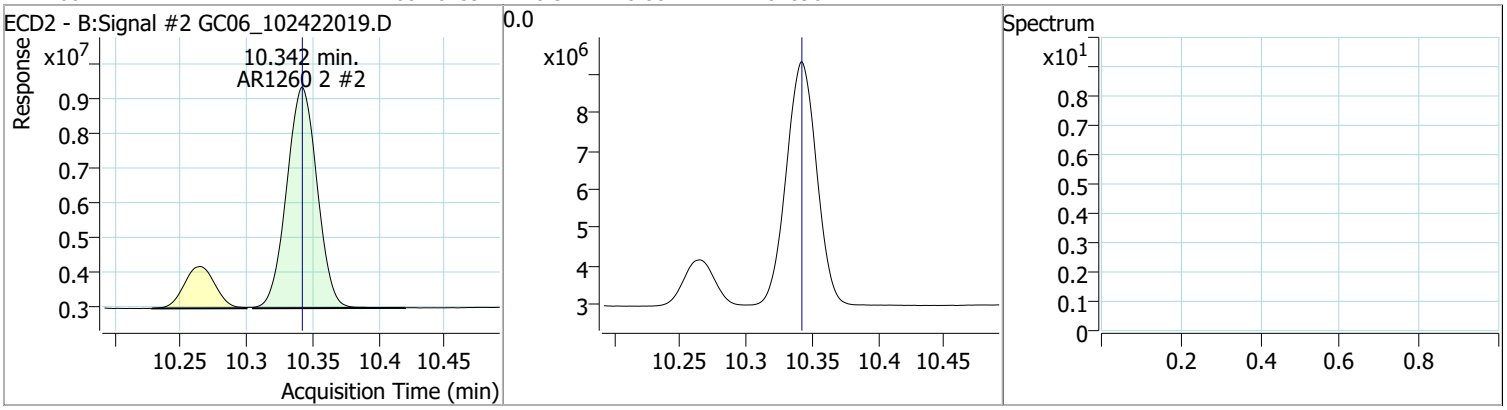
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	693.9161	10.09	0.00	8619738				



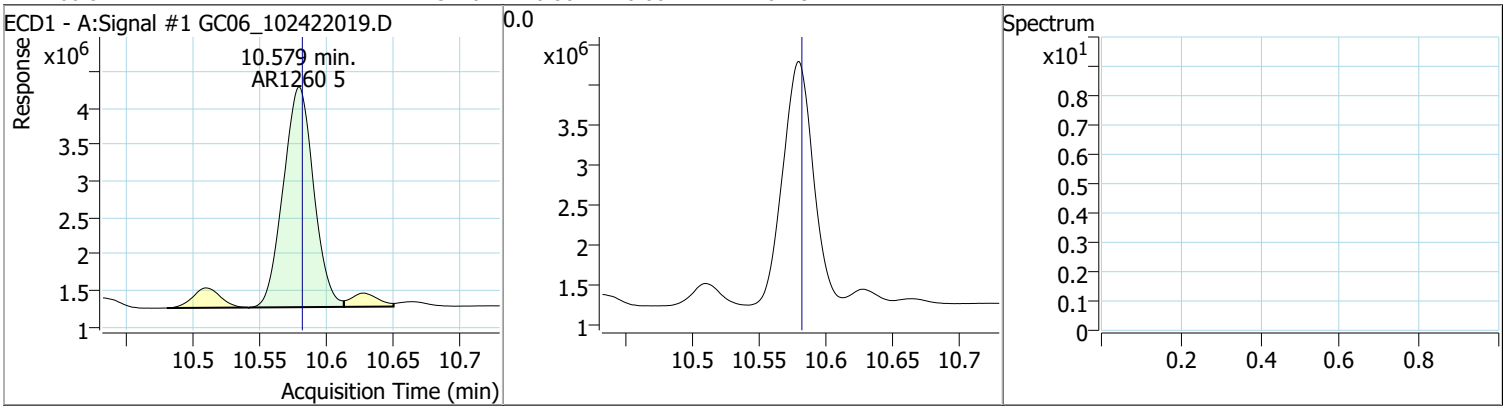
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	772.3166	10.22	0.00	2291687				



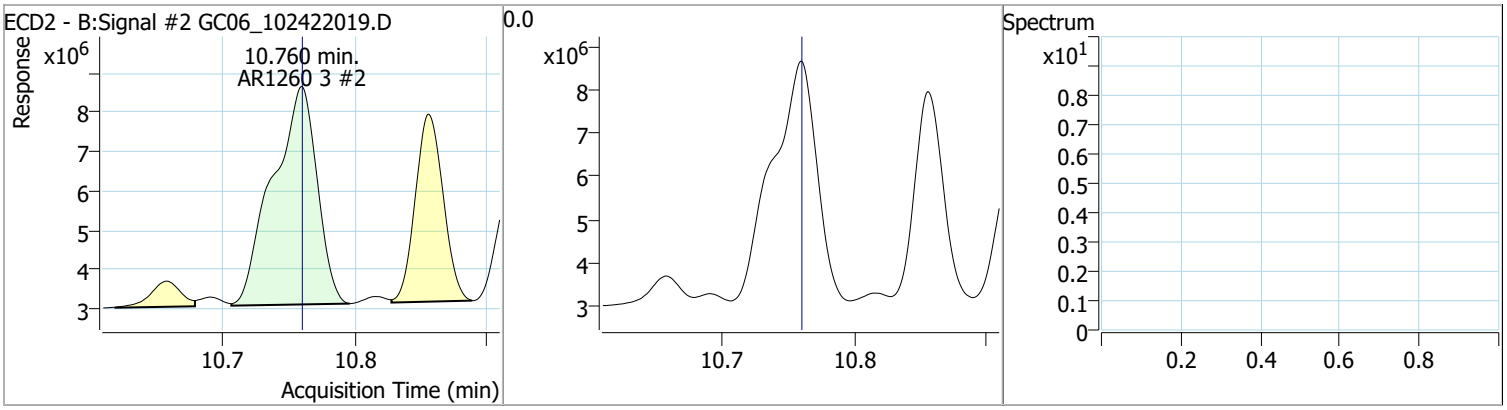
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	682.6759	10.34	0.00	10189047				



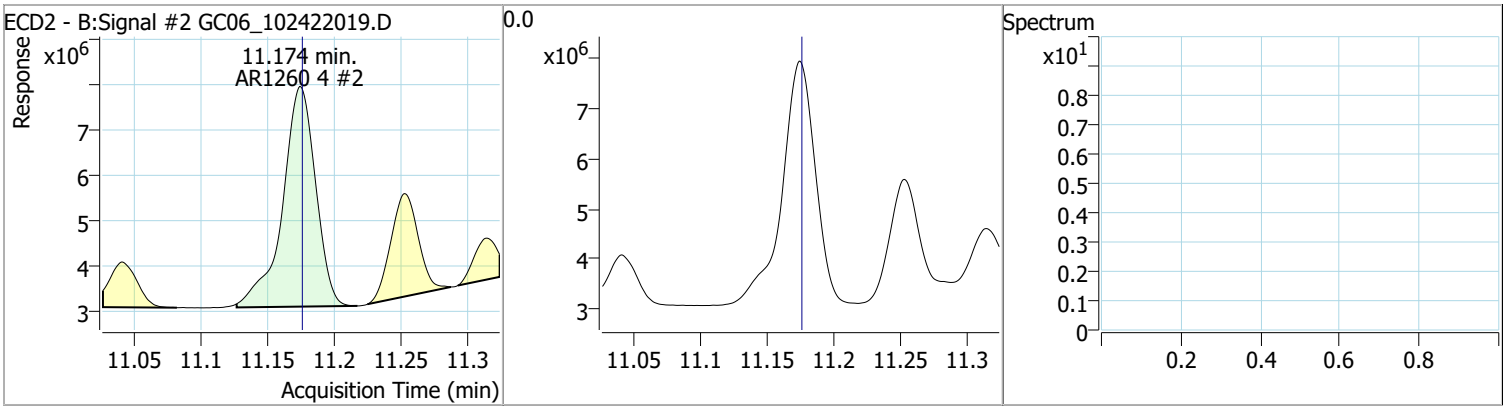
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	771.5470	10.58	0.00	4841911				



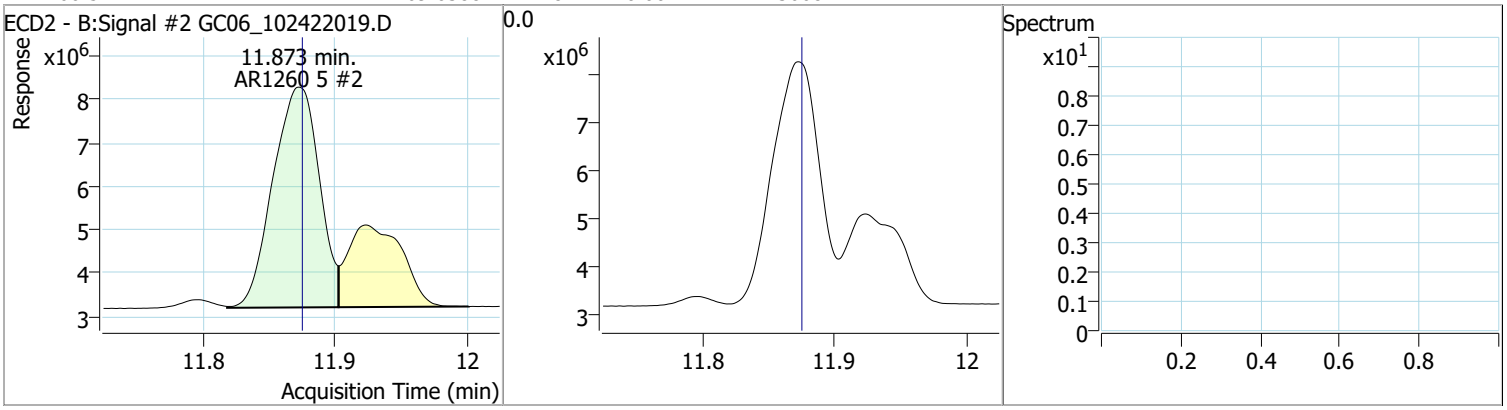
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	684.6327	10.76	0.00	12934062				



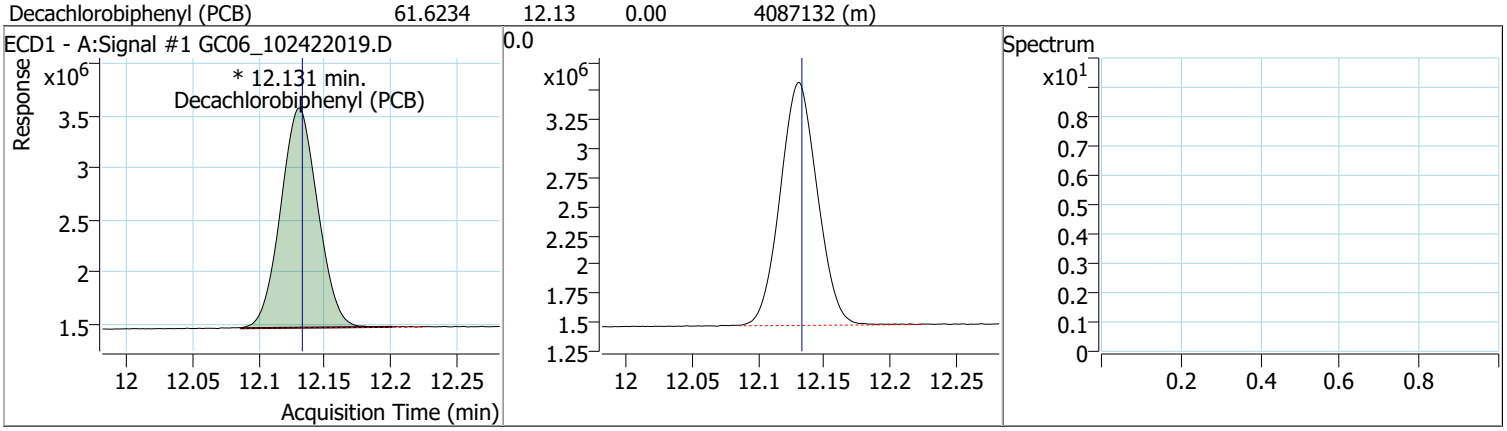
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	789.9076	11.17	0.00	8435664				



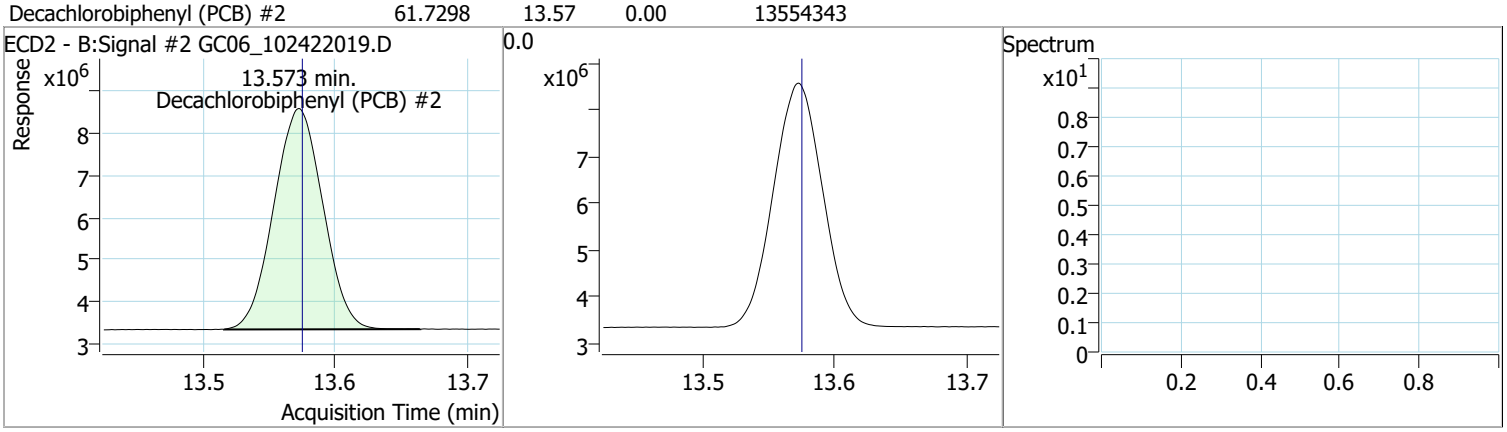
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	769.0388	11.87	0.00	12366844				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	61.6234	12.13	0.00	4087132 (m)				

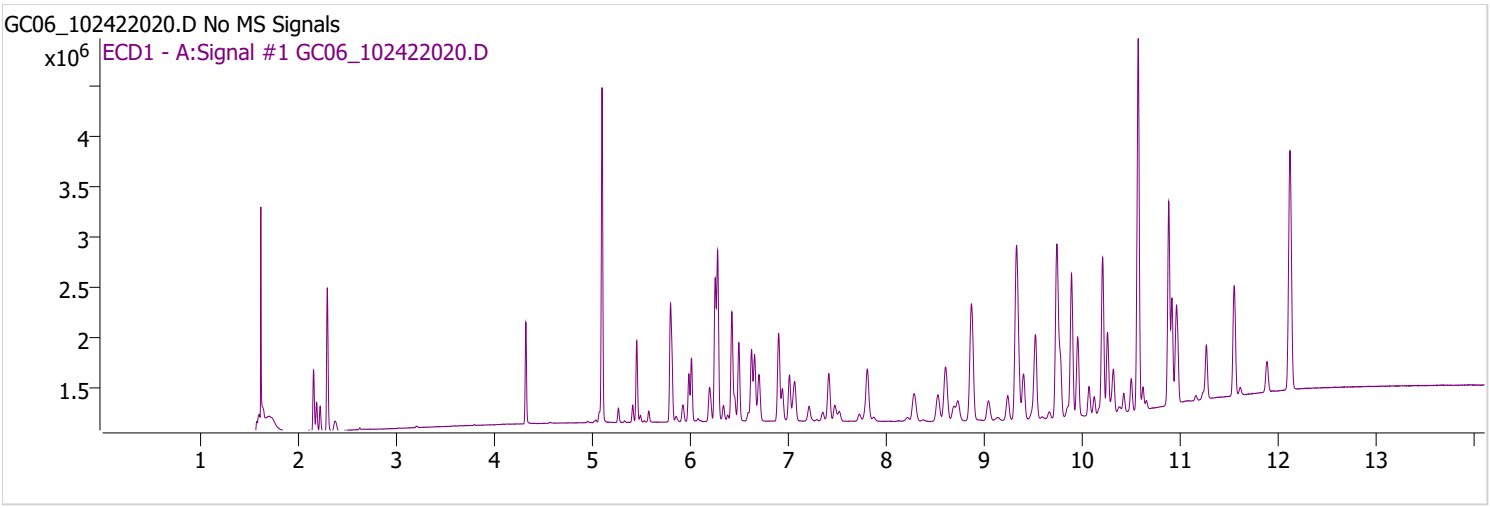


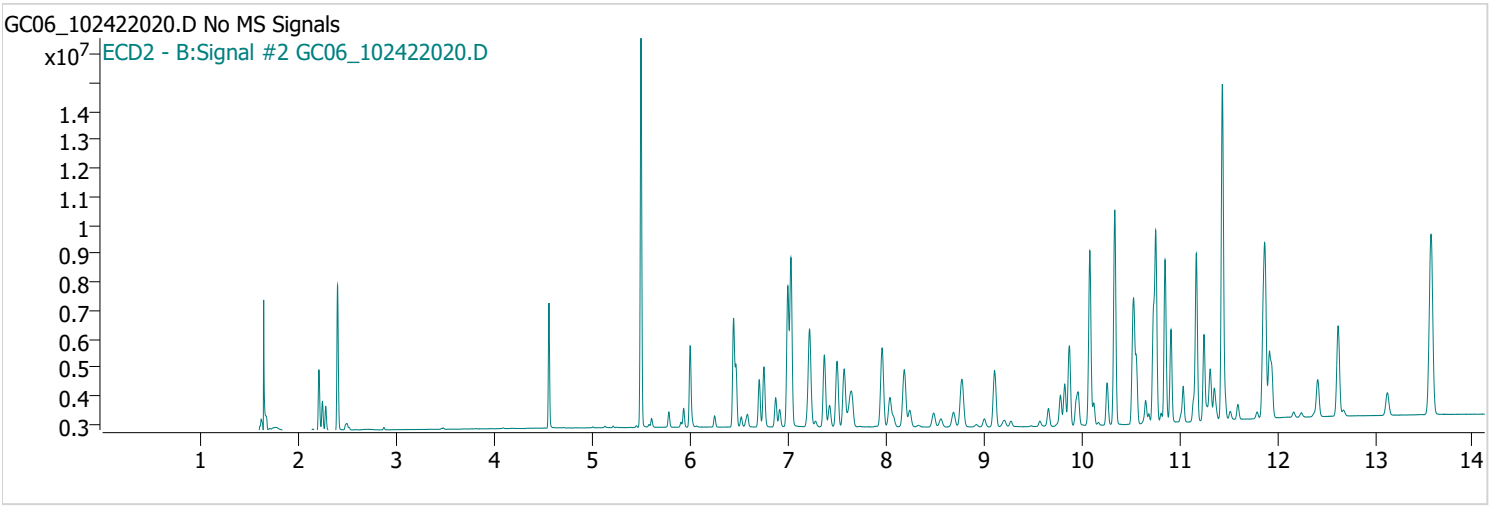
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	61.7298	13.57	0.00	13554343				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422020.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 7:13:45 PM
Sample Name	ICAL, S17269	Instrument	SVOA-GC06
Vial	17	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



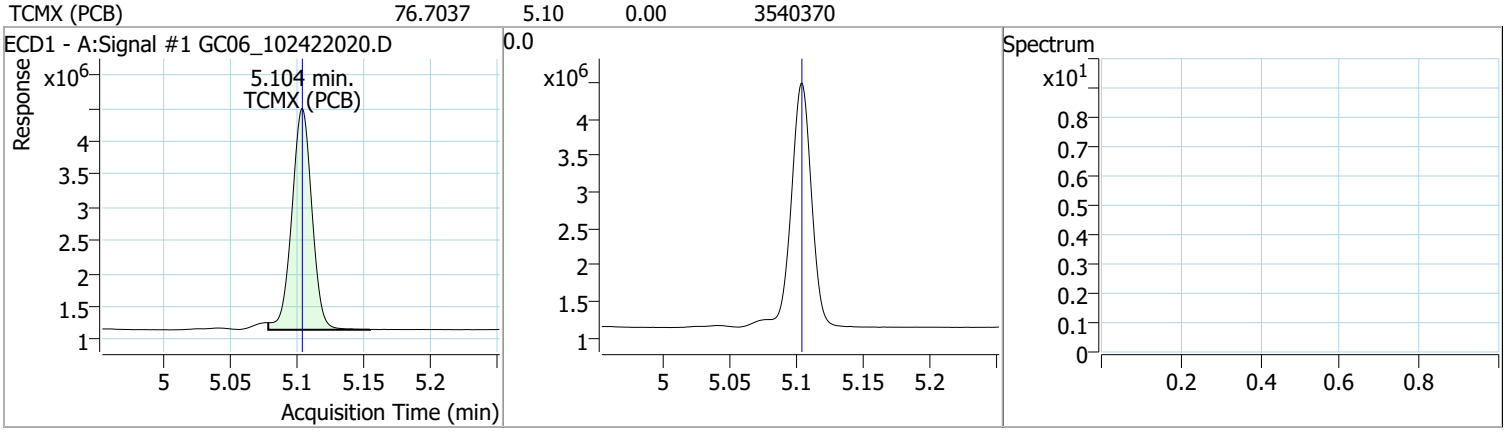


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	960028.285	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	3904924.024	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.104	0.0	3540369.739	76.7037	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 383.52%		*	
S TCMX (PCB) #2	5.502	0.0	14570076.912	77.6938	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 388.47%		*	
S Decachlorobiphenyl (PCB)	12.133	0.0	4873910.282	79.4415	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 397.21%		*	
S Decachlorobiphenyl (PCB) #2	13.574	0.0	16104085.280	78.9669	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 394.83%		*	
Target Compounds							QValue
T AR1016 1	5.458	0.0	943433.395	937.3214	ng/ml		100

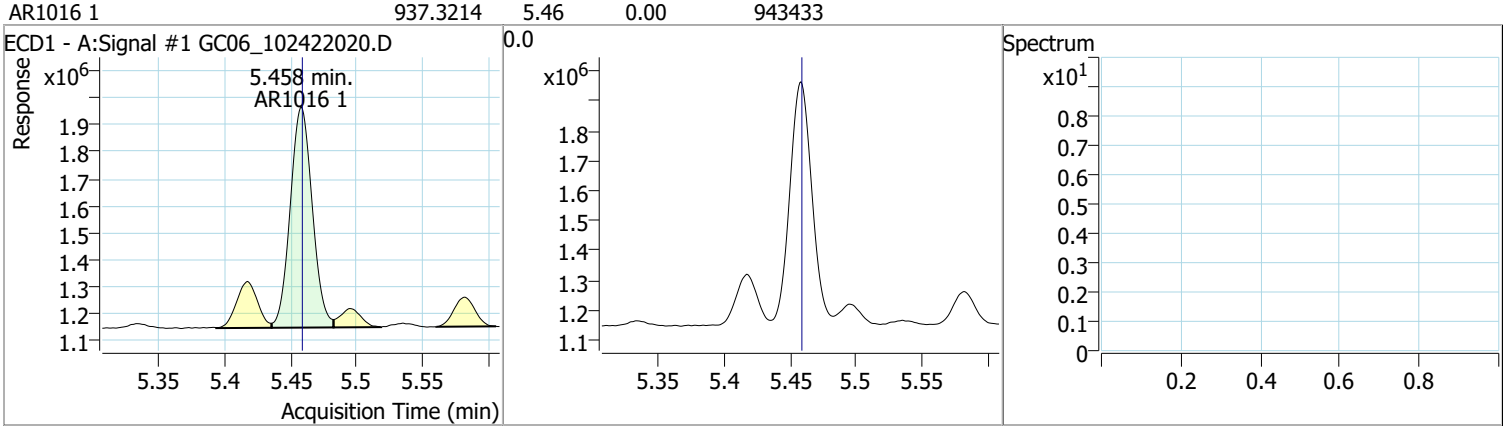
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.803	0.0	2010418.724	989.1606	ng/ml		100
T AR1016 1 #2	6.004	0.0	3878467.632	955.6472	ng/ml		100
T AR1016 3	6.284	0.0	2394397.764	938.2663	ng/ml		100
T AR1016 4	6.430	0.0	1827466.445	941.5536	ng/ml		100
T AR1016 2 #2	6.448	0.0	5500389.069	938.8589	ng/ml	m	100
T AR1016 5	6.908	0.0	1470872.987	940.8682	ng/ml		100
T AR1016 3 #2	7.034	0.0	9872562.438	927.4276	ng/ml		100
T AR1016 4 #2	7.224	0.0	7222770.660	950.4102	ng/ml		100
T AR1016 5 #2	7.966	0.0	5894671.400	954.2439	ng/ml		100
T AR1260 1	8.878	0.0	2877985.945	886.6594	ng/ml		100
T AR1260 2	9.338	0.0	4300287.117	869.2209	ng/ml		100
T AR1260 3	9.751	0.0	4585617.535	886.7956	ng/ml		100
T AR1260 1 #2	10.088	0.0	10289089.324	885.3872	ng/ml		100
T AR1260 4	10.218	0.0	2742861.102	988.8343	ng/ml		100
T AR1260 2 #2	10.343	0.0	12199337.627	873.6965	ng/ml		100
T AR1260 5	10.582	0.0	5817456.745	992.4576	ng/ml		100
T AR1260 3 #2	10.761	0.0	15563112.957	880.5672	ng/ml		100
T AR1260 4 #2	11.176	0.0	9679021.093	974.1517	ng/ml		100
T AR1260 5 #2	11.874	0.0	14837736.104	991.5511	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

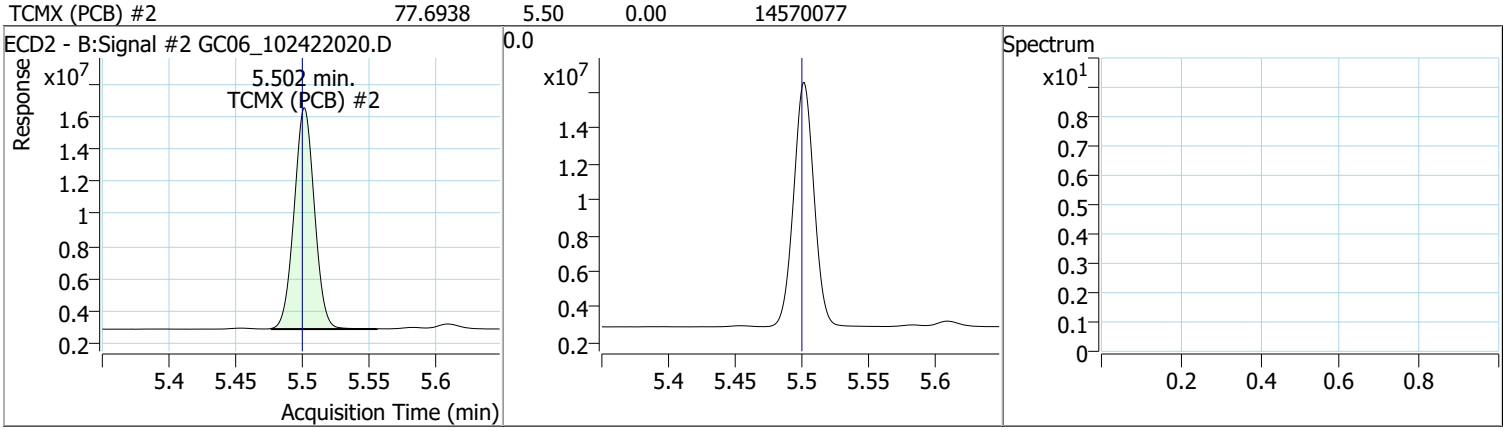
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	76.7037	5.10	0.00	3540370				



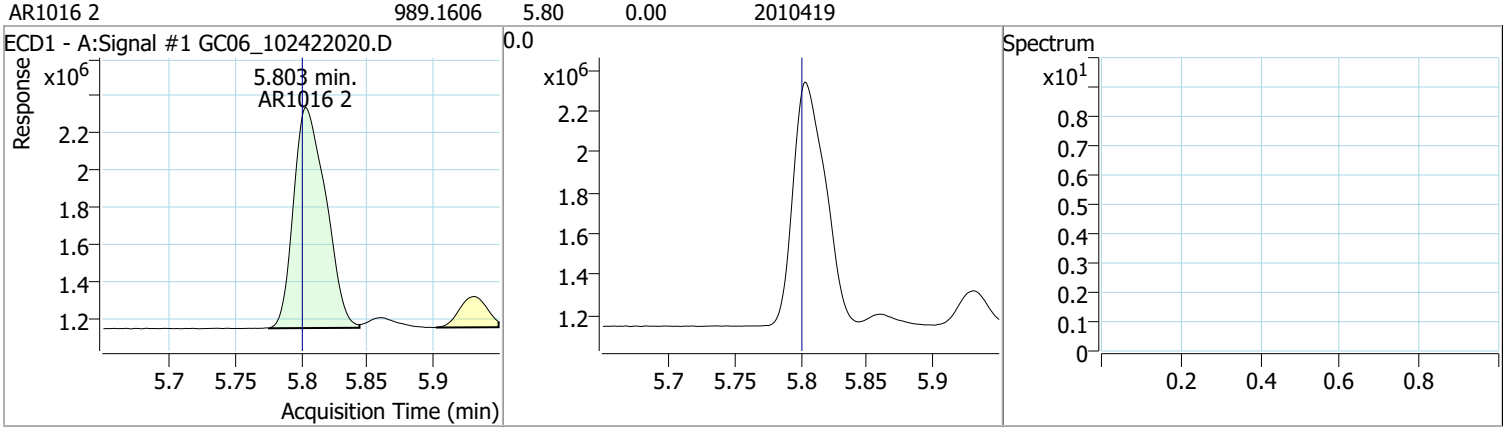
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	937.3214	5.46	0.00	943433				



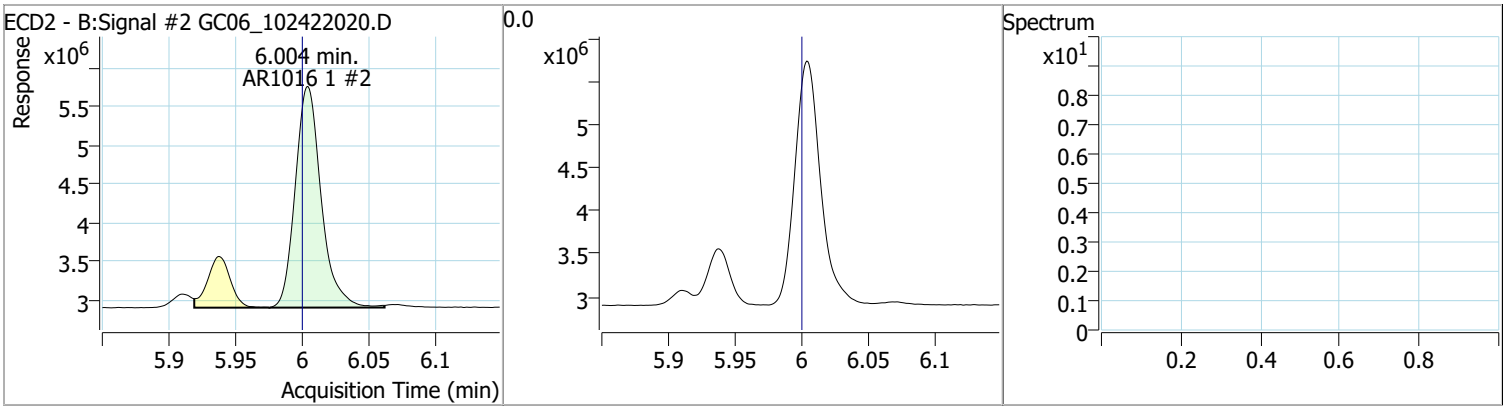
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	77.6938	5.50	0.00	14570077				



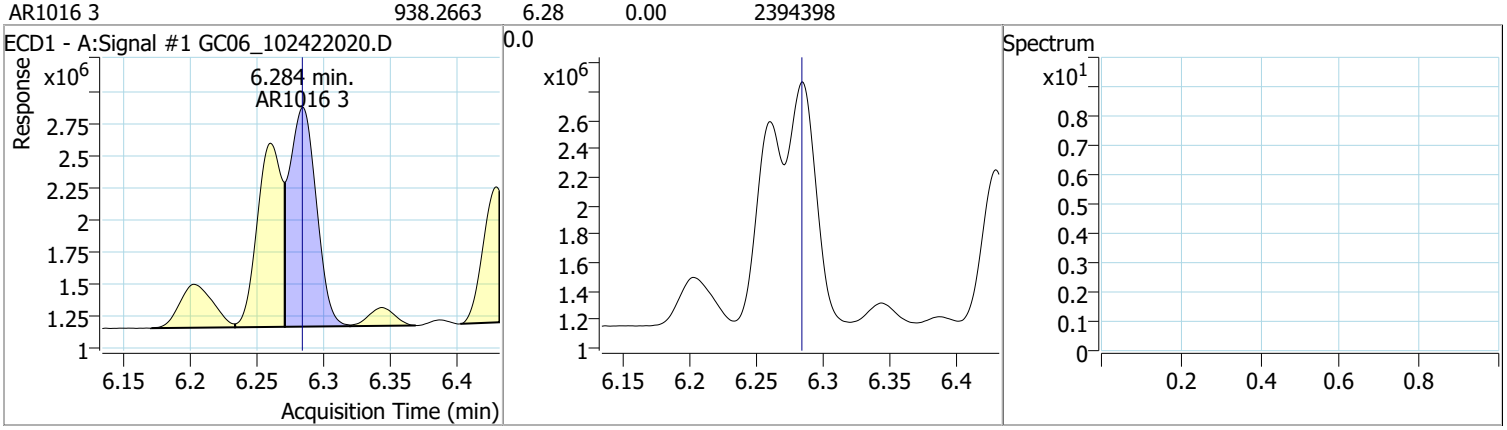
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	989.1606	5.80	0.00	2010419				



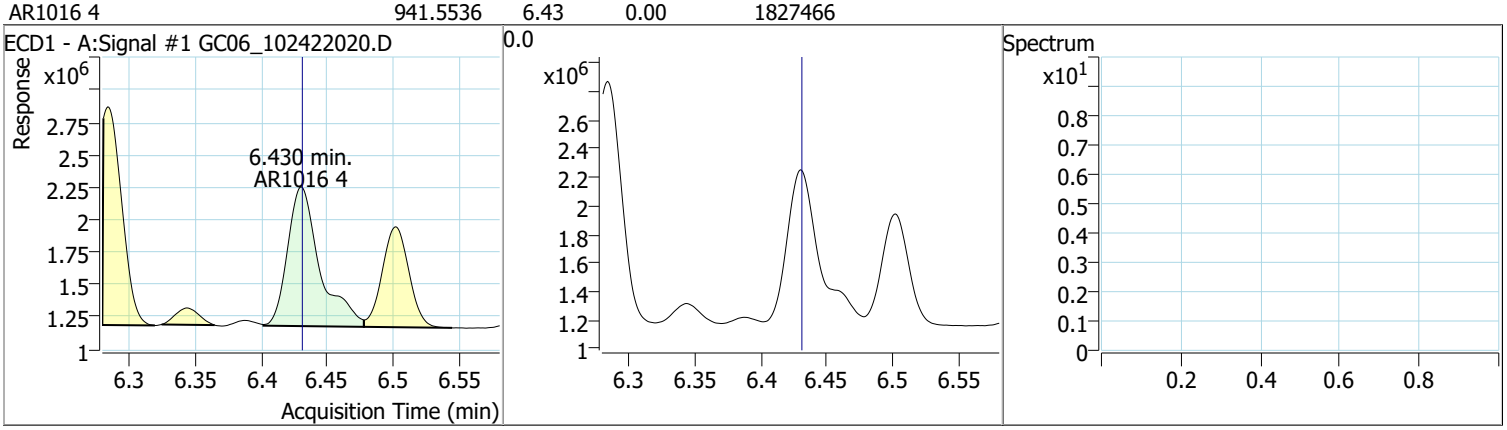
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	955.6472	6.00	0.00	3878468				



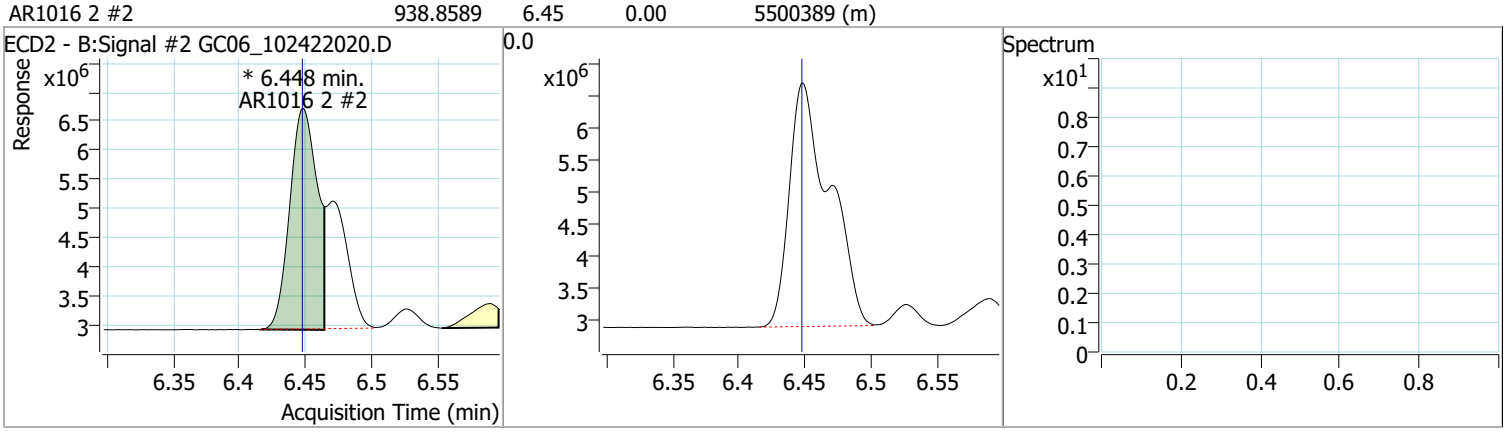
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	938.2663	6.28	0.00	2394398				



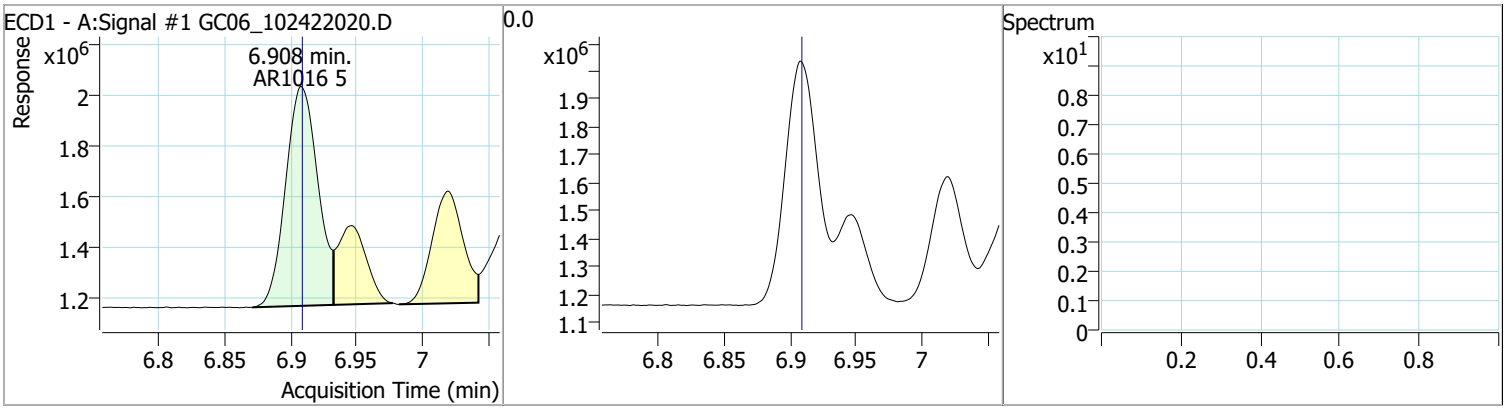
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	941.5536	6.43	0.00	1827466				



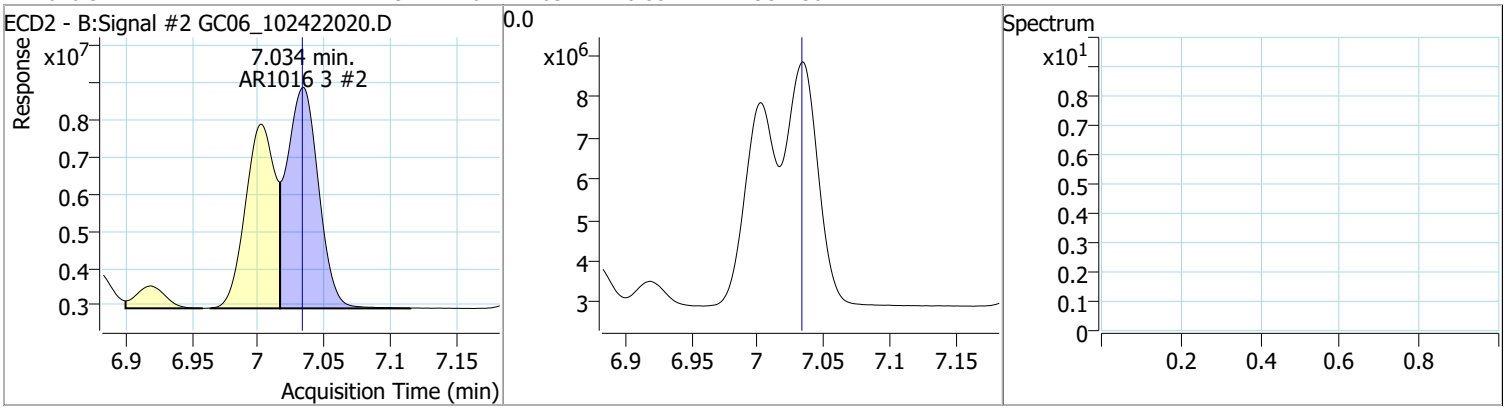
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	938.8589	6.45	0.00	5500389 (m)				



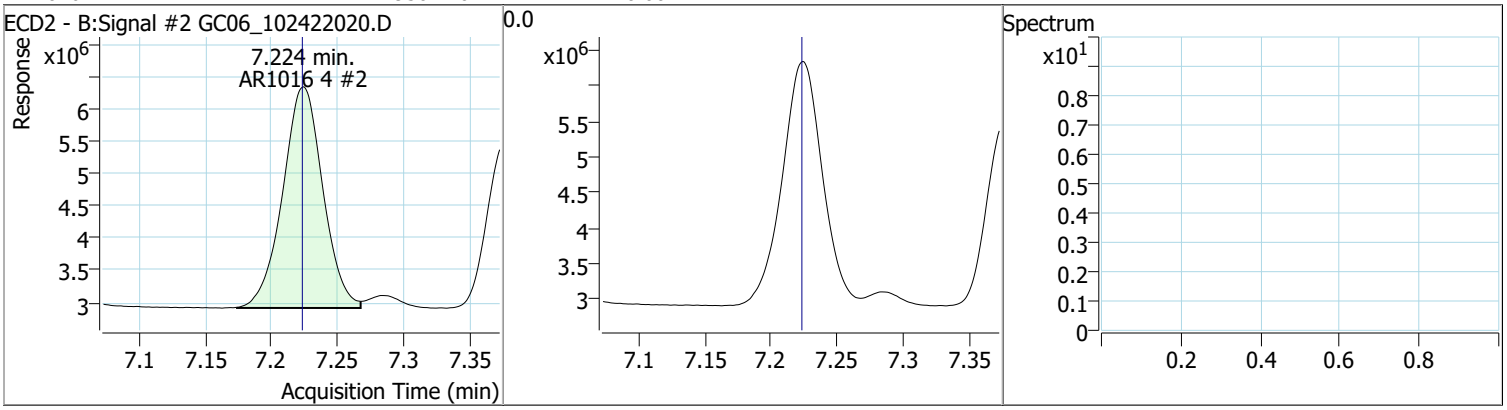
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	940.8682	6.91	0.00	1470873				



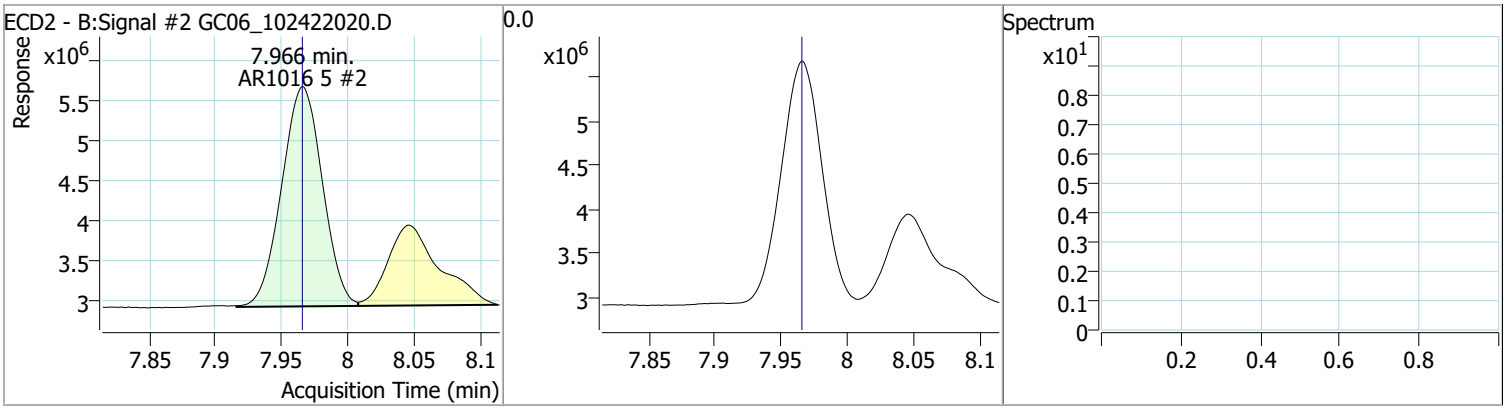
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	927.4276	7.03	0.00	9872562				



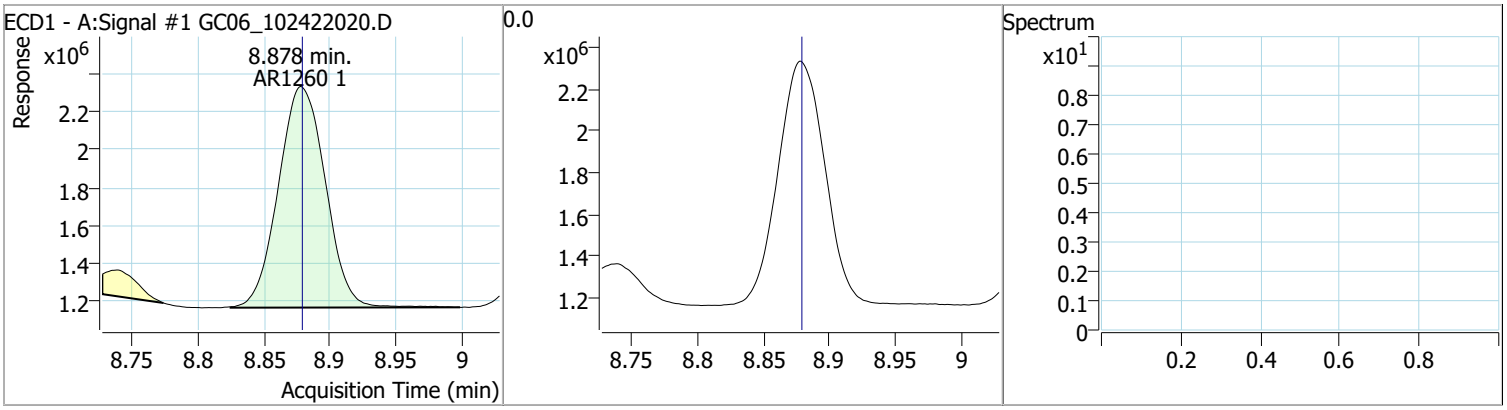
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	950.4102	7.22	0.00	7222771				



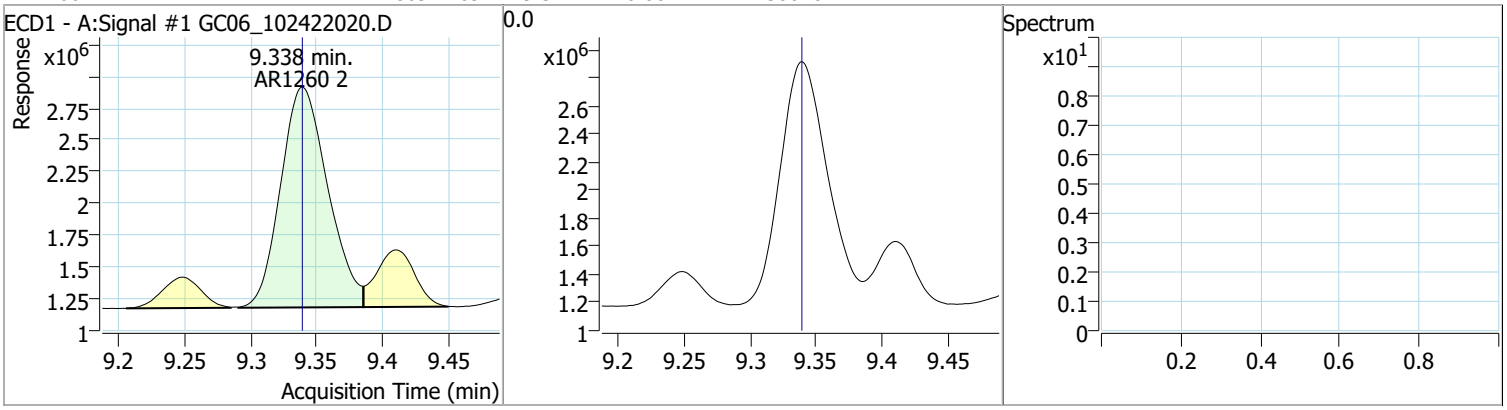
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	954.2439	7.97	0.00	5894671				



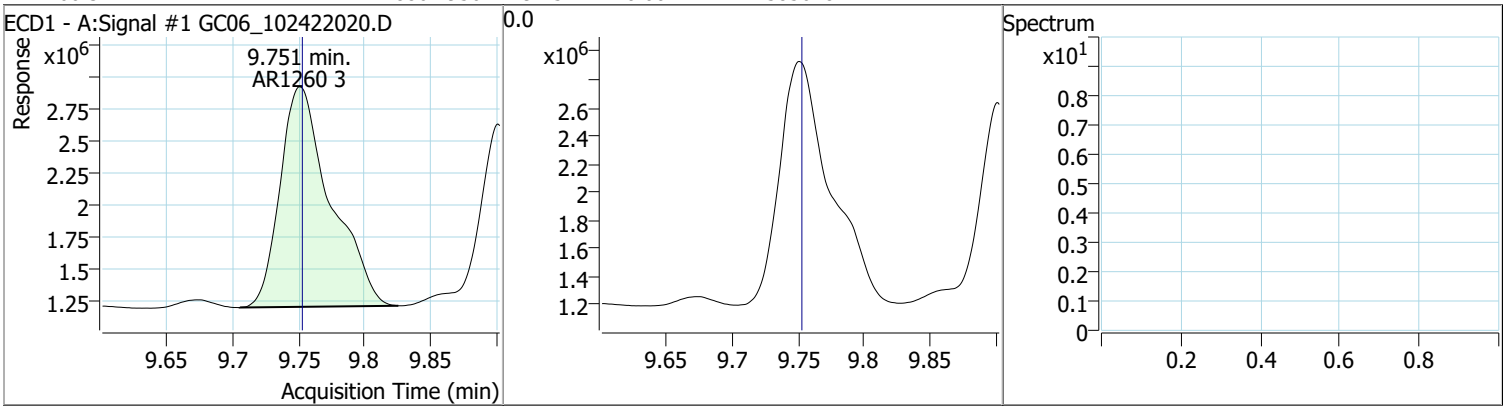
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	886.6594	8.88	0.00	2877986				



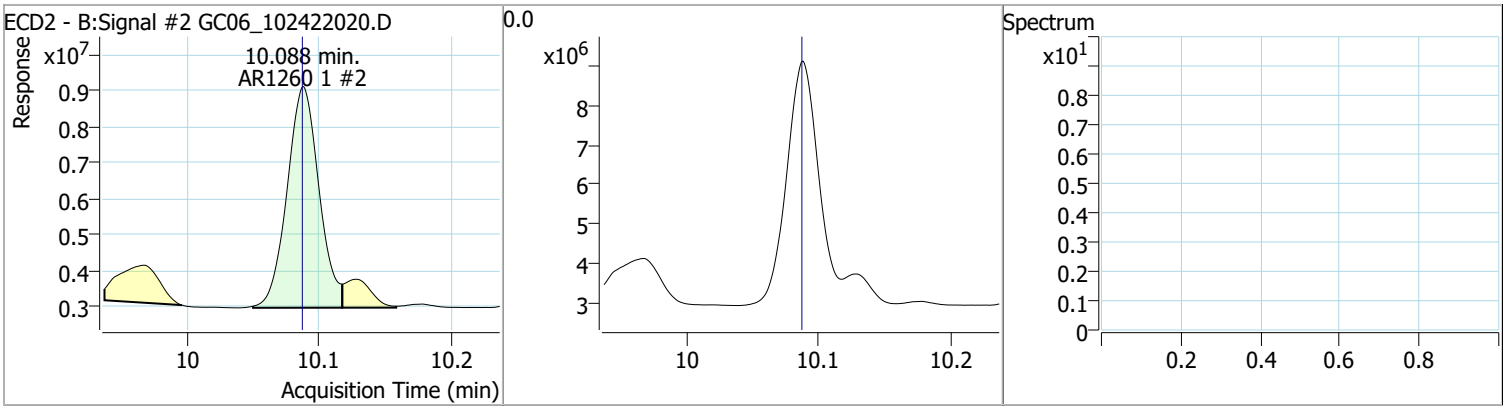
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	869.2209	9.34	0.00	4300287				



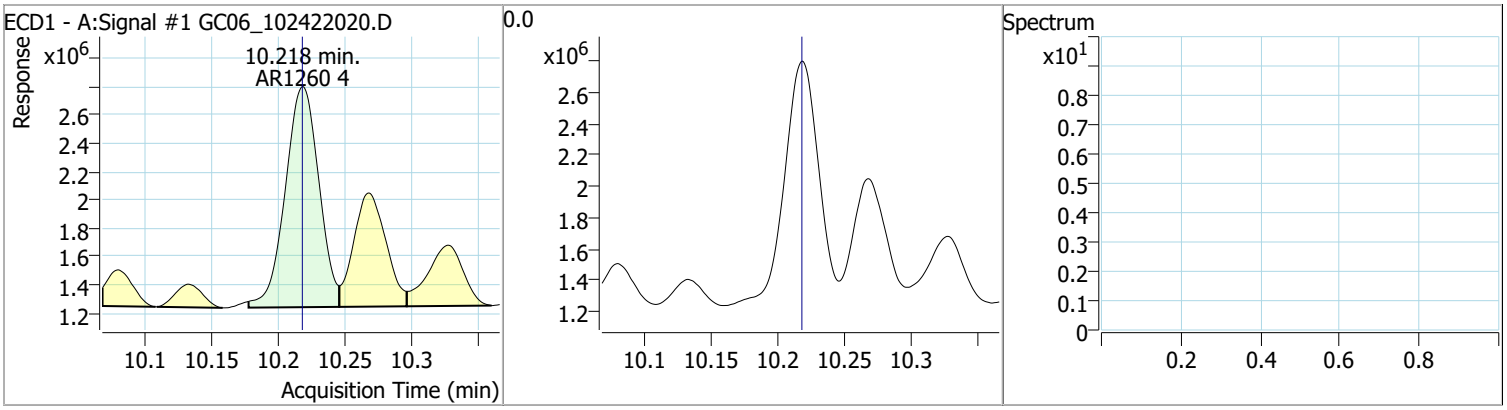
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	886.7956	9.75	0.00	4585618				



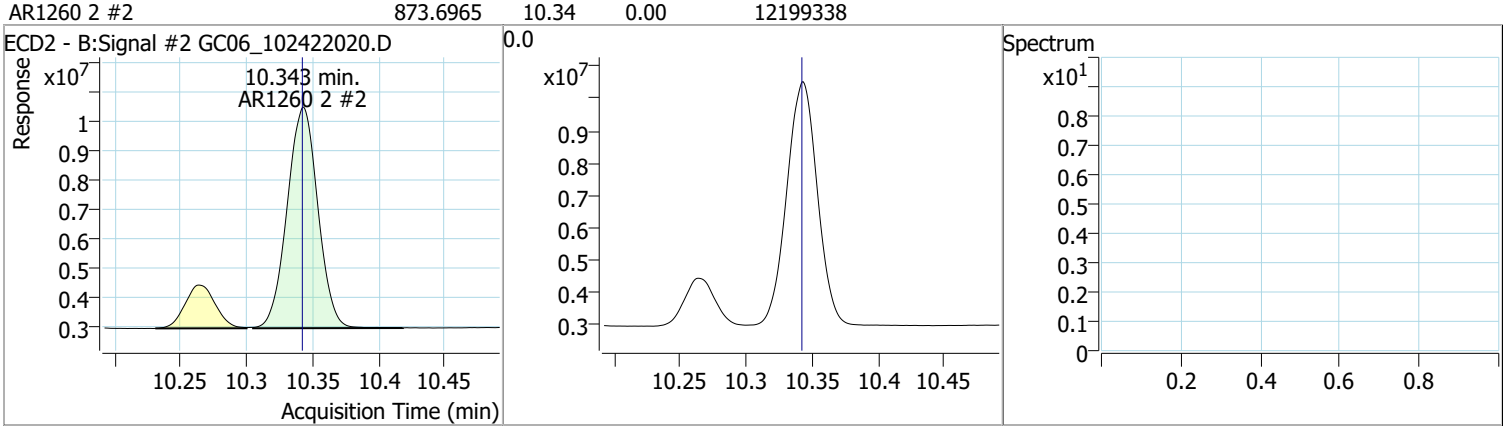
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	885.3872	10.09	0.00	10289089				



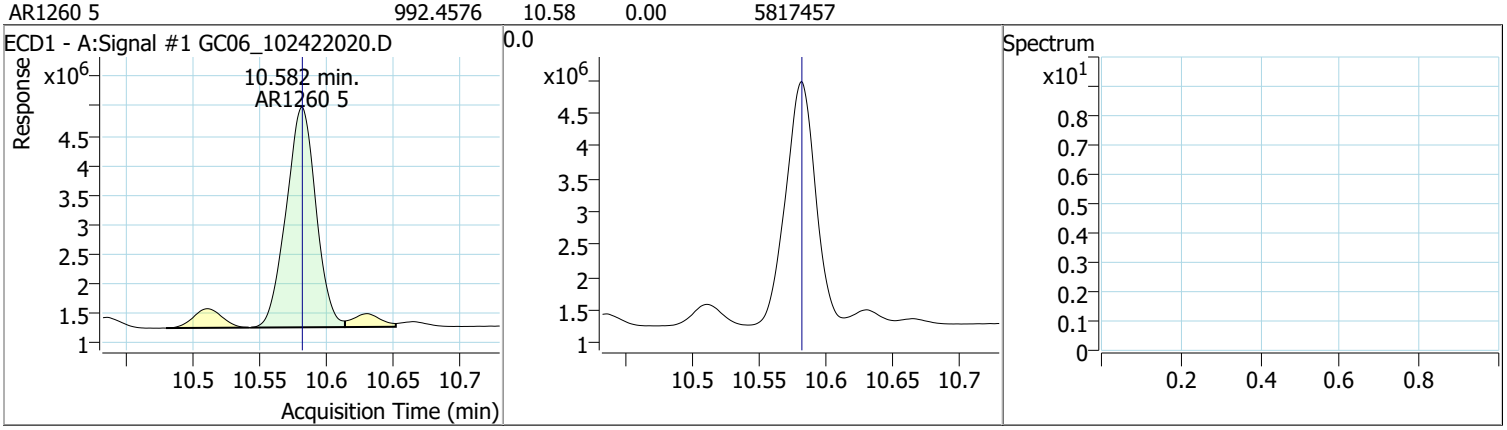
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	988.8343	10.22	0.00	2742861				



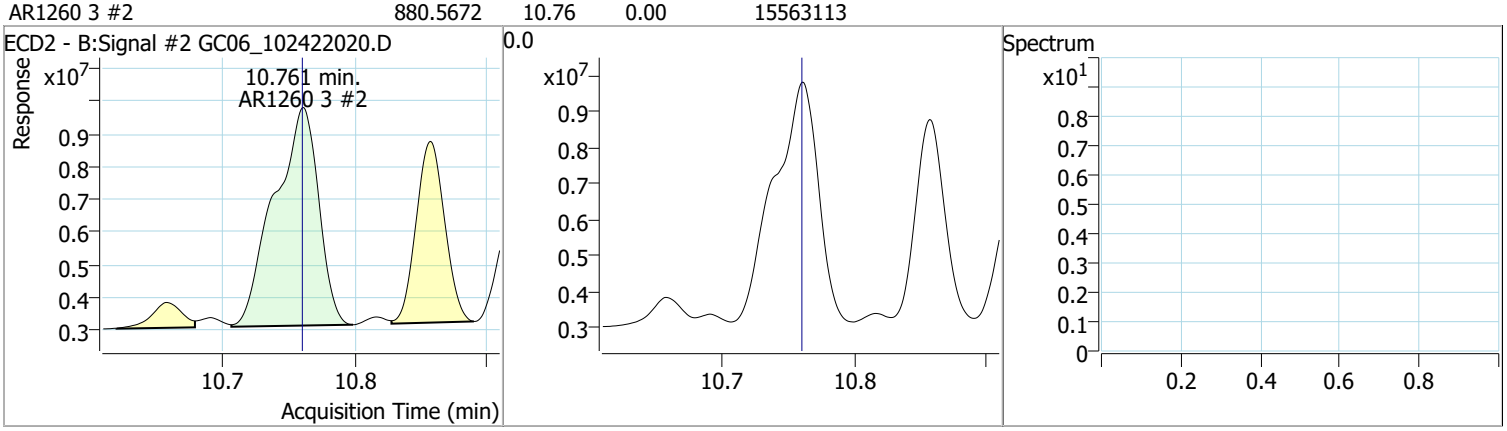
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	873.6965	10.34	0.00	12199338				



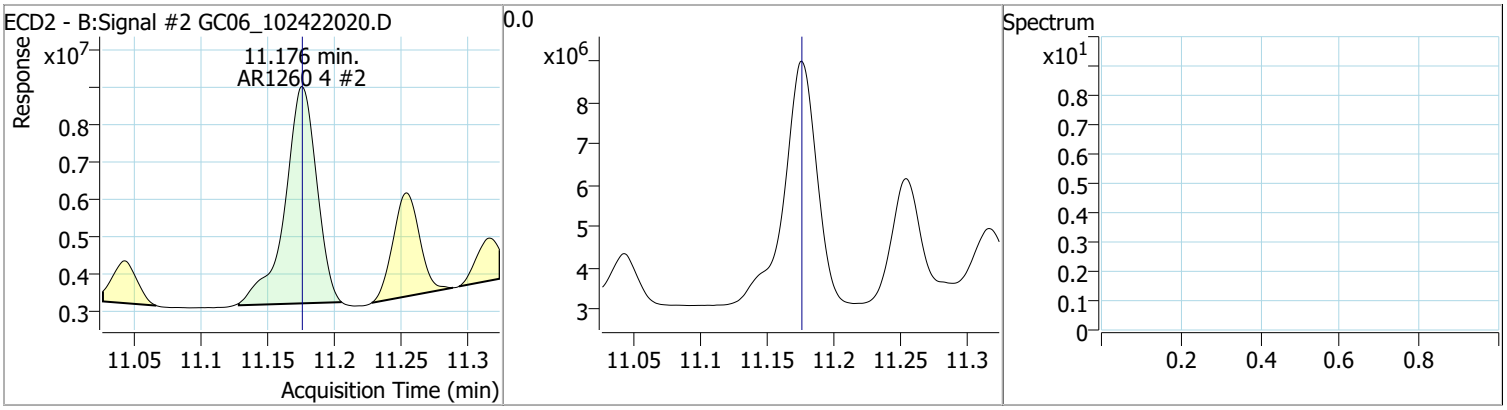
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	992.4576	10.58	0.00	5817457				



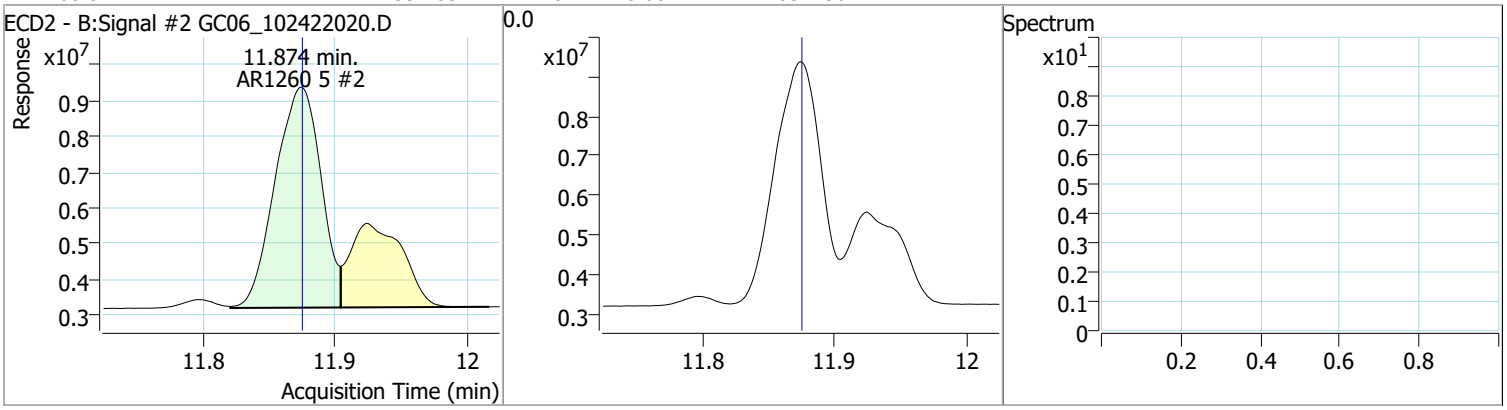
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	880.5672	10.76	0.00	15563113				



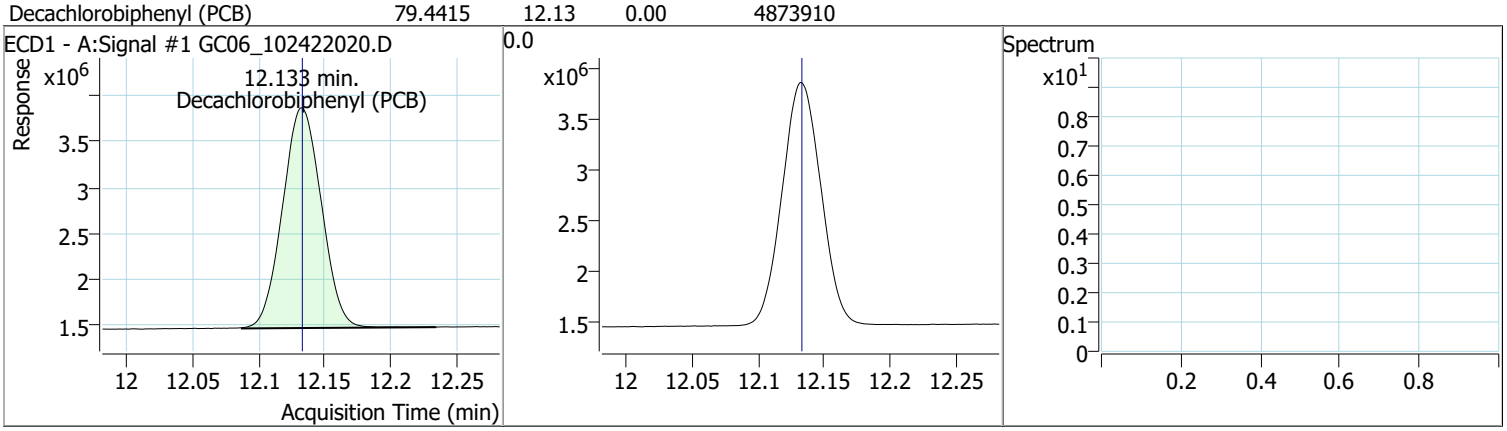
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	974.1517	11.18	0.00	9679021				



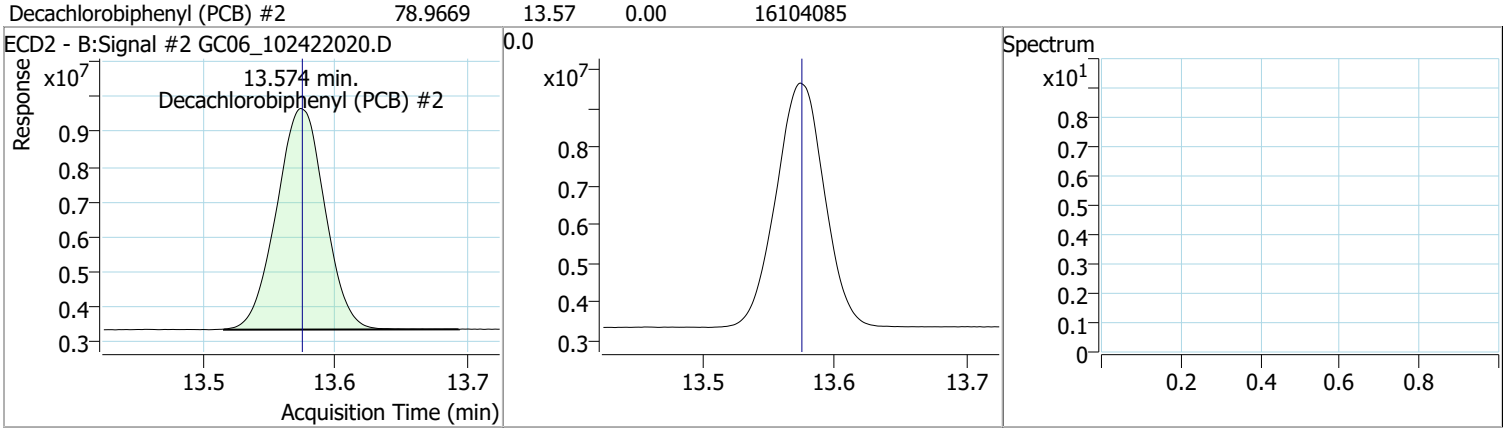
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	991.5511	11.87	0.00	14837736				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	79.4415	12.13	0.00	4873910				

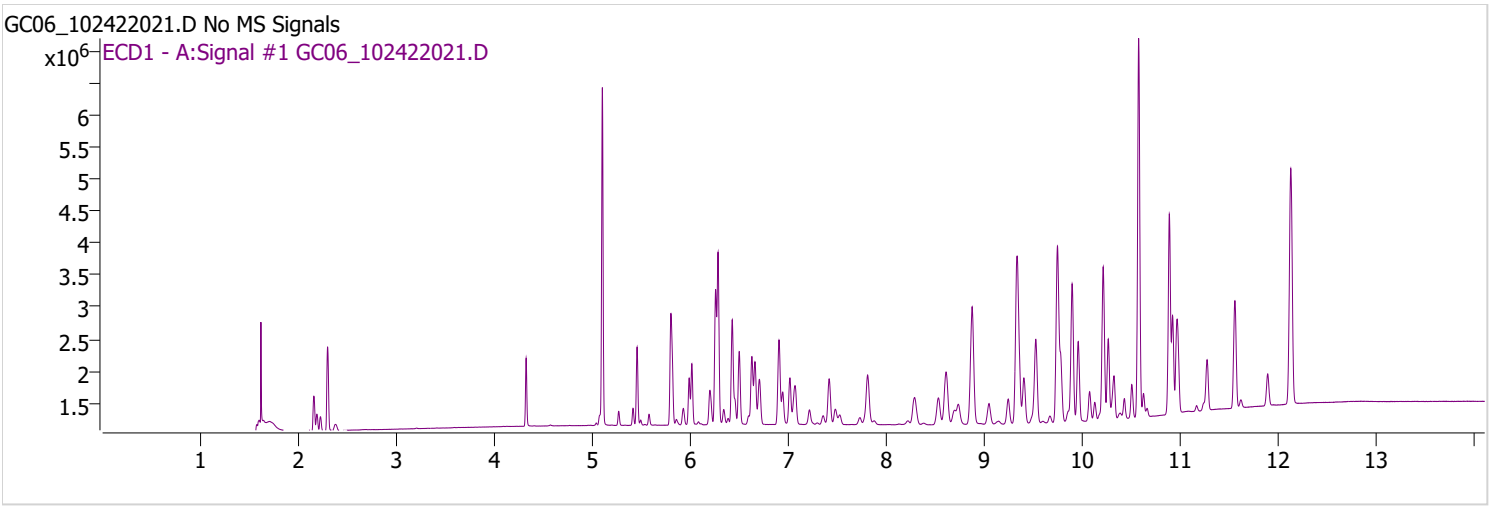


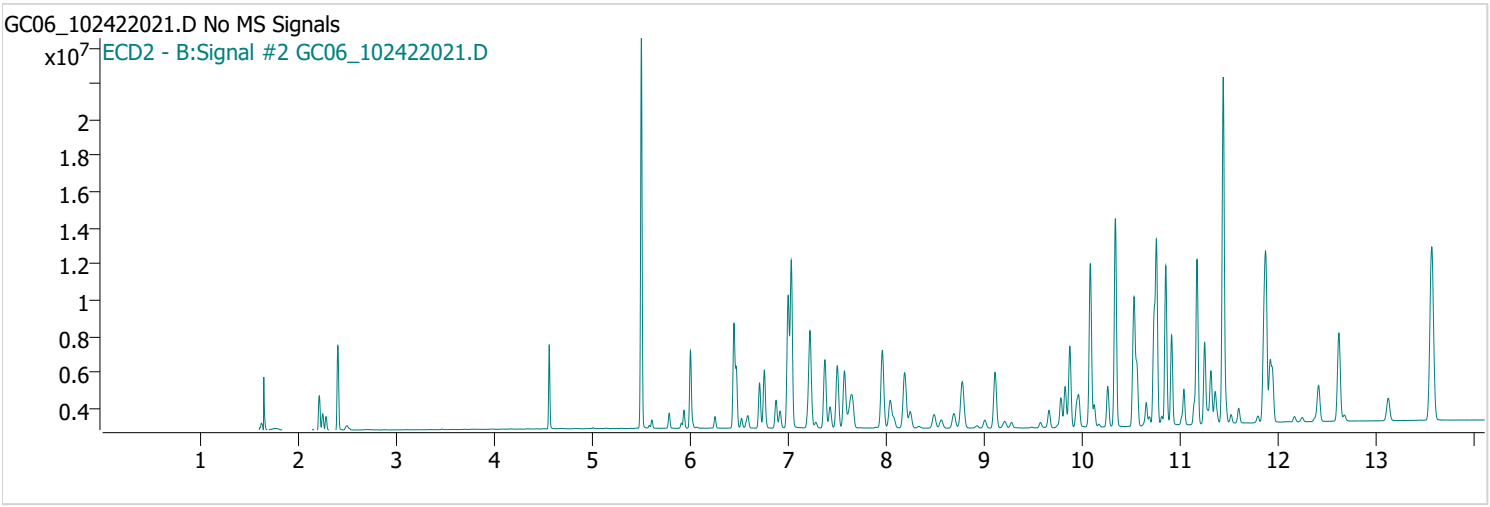
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	78.9669	13.57	0.00	16104085				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422021.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 7:31:42 PM
Sample Name	ICAL, S17270	Instrument	SVOA-GC06
Vial	18	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



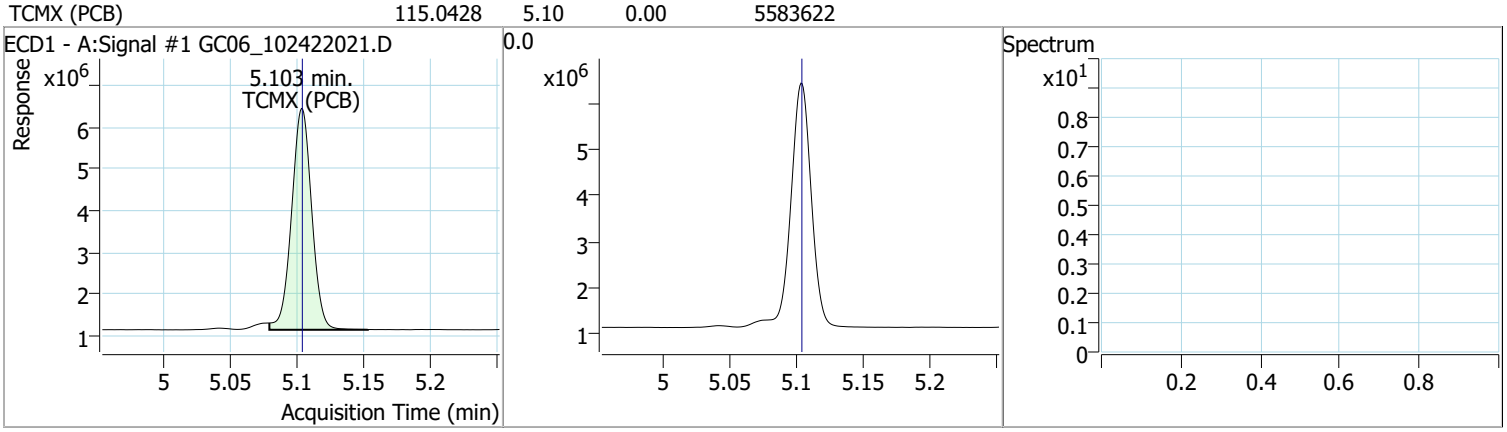


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1009505.147	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.561	0.0	4057066.575	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	5583622.088	115.0428	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 575.21%		*	
S TCMX (PCB) #2	5.502	0.0	23031168.075	118.2063	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 591.03%		*	
S Decachlorobiphenyl (PCB)	12.134	0.0	7593776.012	119.7892	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 598.95%		*	
S Decachlorobiphenyl (PCB) #2	13.573	0.0	25131513.397	119.6729	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 598.36%		*	
Target Compounds							QValue

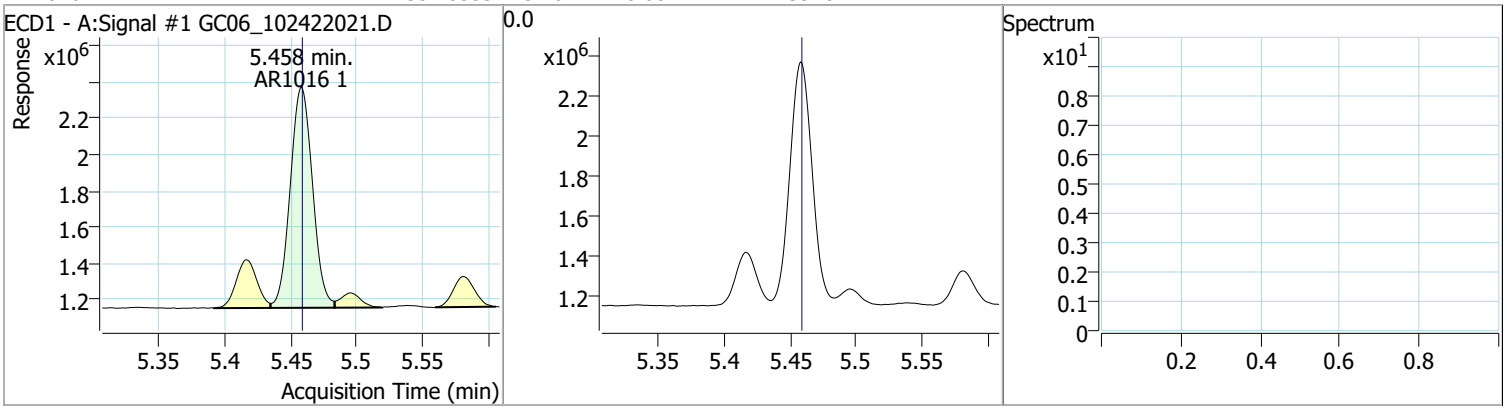
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.458	0.0	1429948.327	1351.0553	ng/ml		100
T AR1016 2	5.804	0.0	3030710.898	1424.7519	ng/ml		100
T AR1016 1 #2	6.003	0.0	5721647.171	1356.9347	ng/ml		100
T AR1016 3	6.285	0.0	3611169.947	1345.7155	ng/ml		100
T AR1016 4	6.430	0.0	2777407.544	1360.8515	ng/ml		100
T AR1016 2 #2	6.448	0.0	8221820.088	1350.7511	ng/ml	m	100
T AR1016 5	6.908	0.0	2242691.834	1364.2649	ng/ml		100
T AR1016 3 #2	7.033	0.0	15343105.691	1387.2792	ng/ml		100
T AR1016 4 #2	7.223	0.0	11004271.290	1393.6991	ng/ml		100
T AR1016 5 #2	7.963	0.0	9009188.371	1403.7375	ng/ml		100
T AR1260 1	8.880	0.0	4266432.480	1249.9957	ng/ml		100
T AR1260 2	9.339	0.0	6538469.983	1256.8526	ng/ml		100
T AR1260 3	9.751	0.0	7045185.682	1295.6677	ng/ml		100
T AR1260 1 #2	10.087	0.0	15645489.933	1295.8237	ng/ml		100
T AR1260 4	10.218	0.0	4208394.379	1449.9072	ng/ml		100
T AR1260 2 #2	10.343	0.0	18653948.726	1285.8656	ng/ml		100
T AR1260 5	10.580	0.0	9185947.111	1499.3950	ng/ml		100
T AR1260 3 #2	10.761	0.0	24133856.541	1314.2961	ng/ml		100
T AR1260 4 #2	11.177	0.0	14547609.435	1419.8121	ng/ml		100
T AR1260 5 #2	11.876	0.0	23188941.135	1500.9271	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

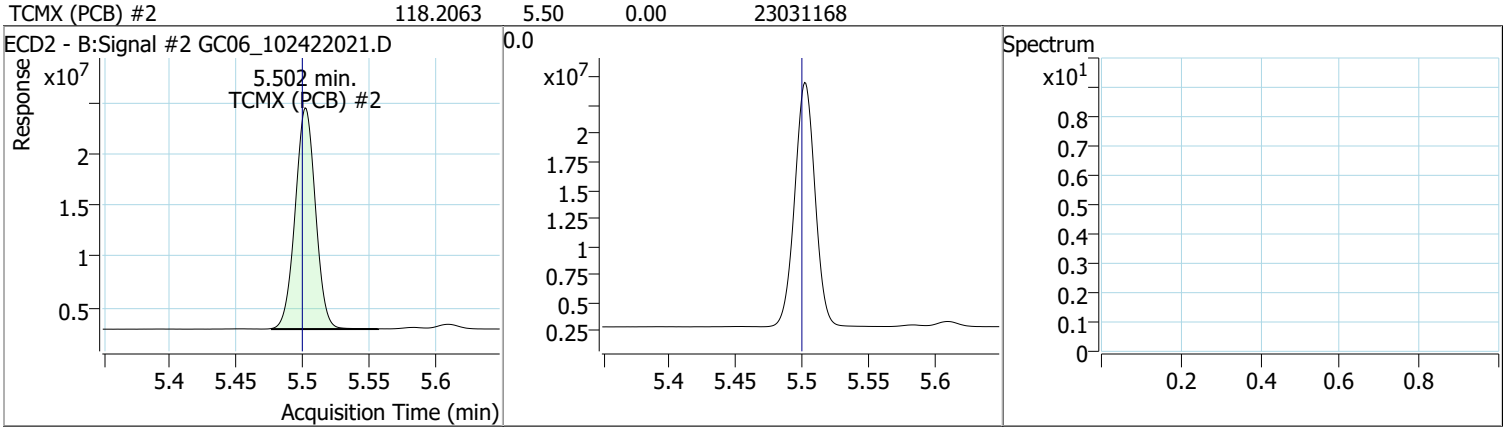
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	115.0428	5.10	0.00	5583622				



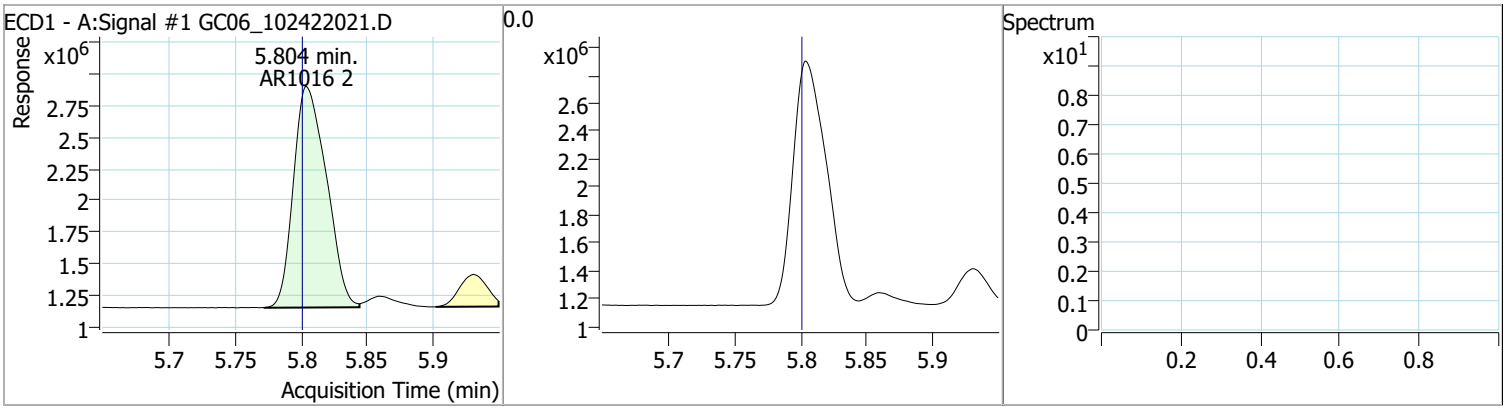
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1351.0553	5.46	0.00	1429948				



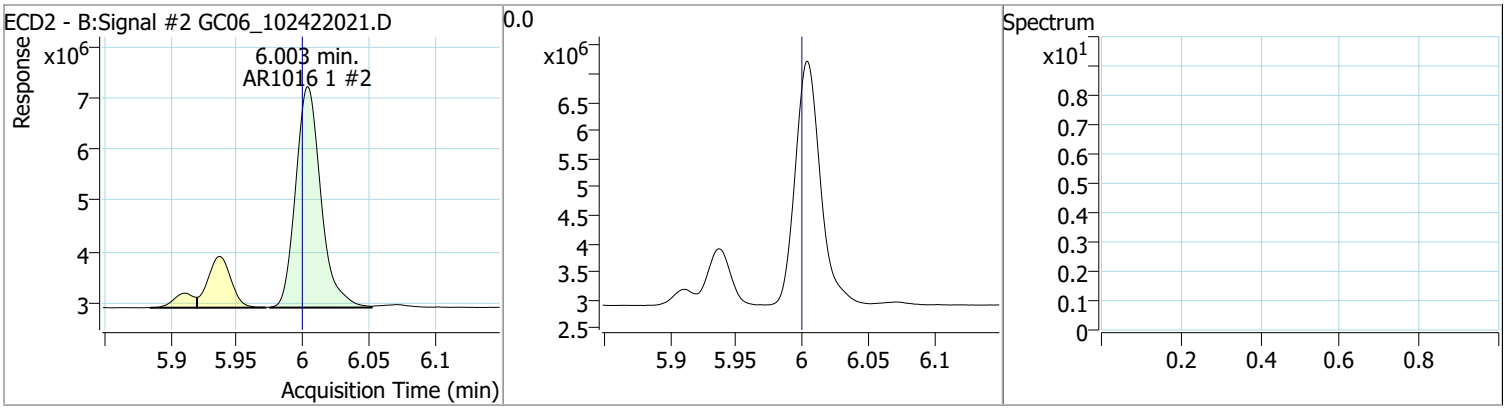
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	118.2063	5.50	0.00	23031168				



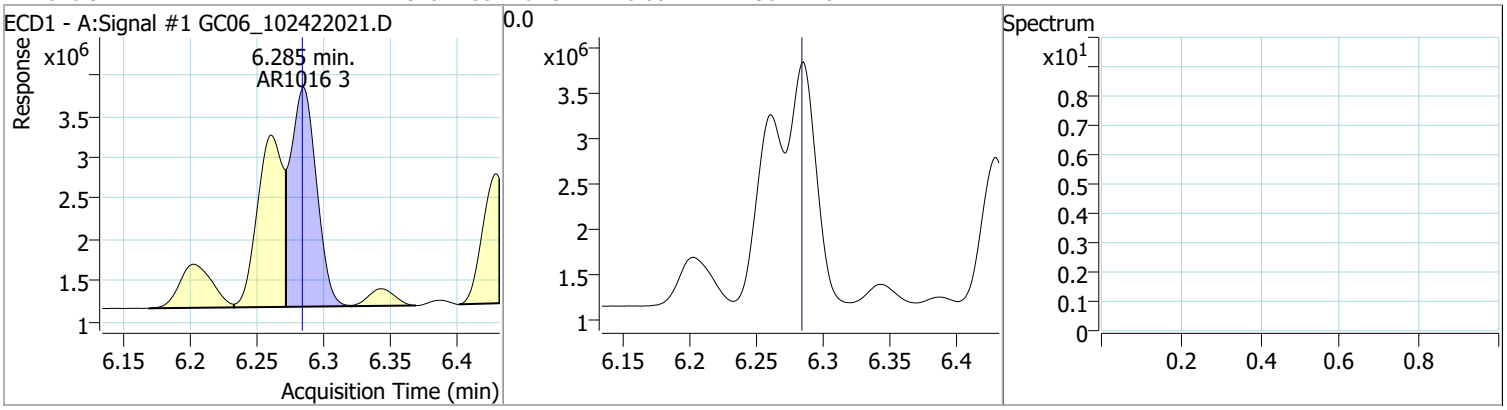
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1424.7519	5.80	0.00	3030711				



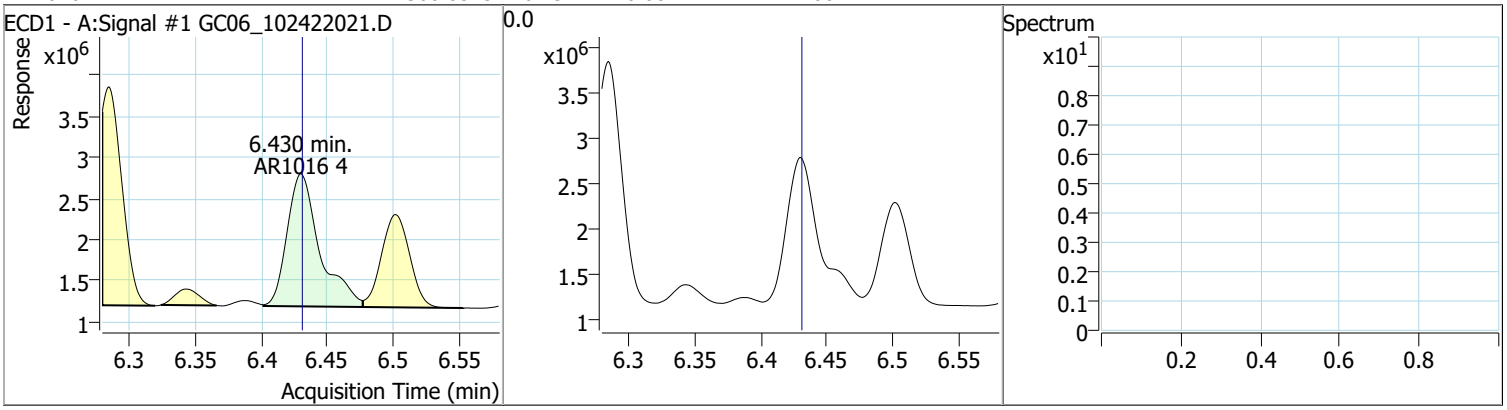
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1356.9347	6.00	0.00	5721647				



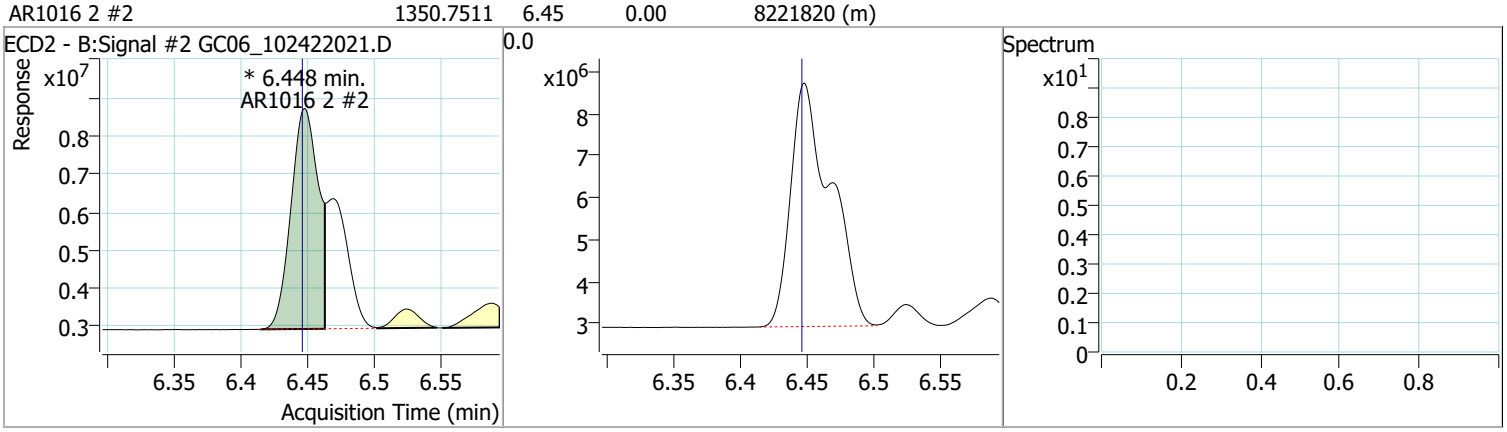
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1345.7155	6.29	0.00	3611170				



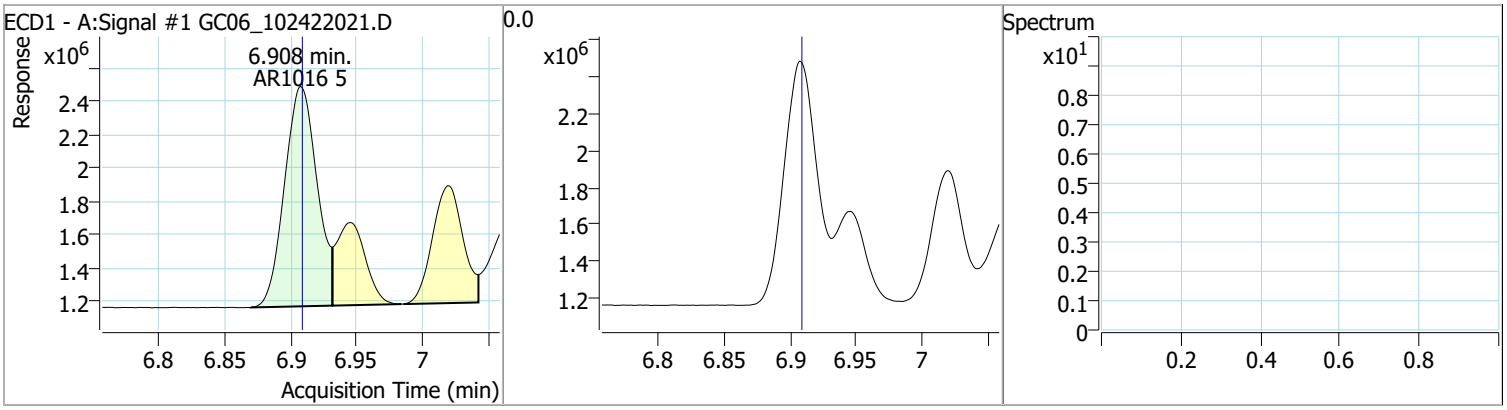
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1360.8515	6.43	0.00	2777408				



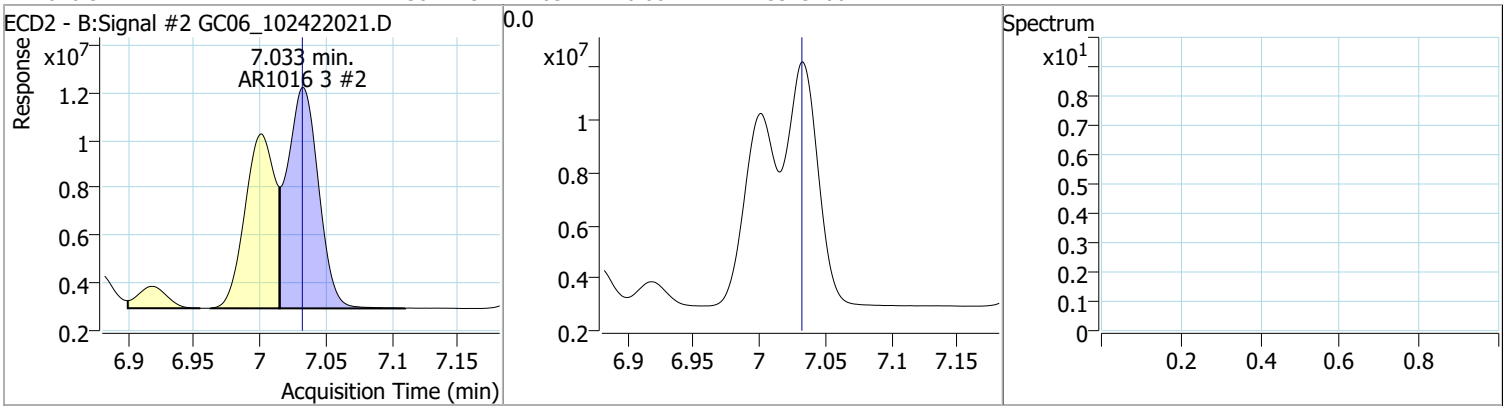
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1350.7511	6.45	0.00	8221820 (m)				



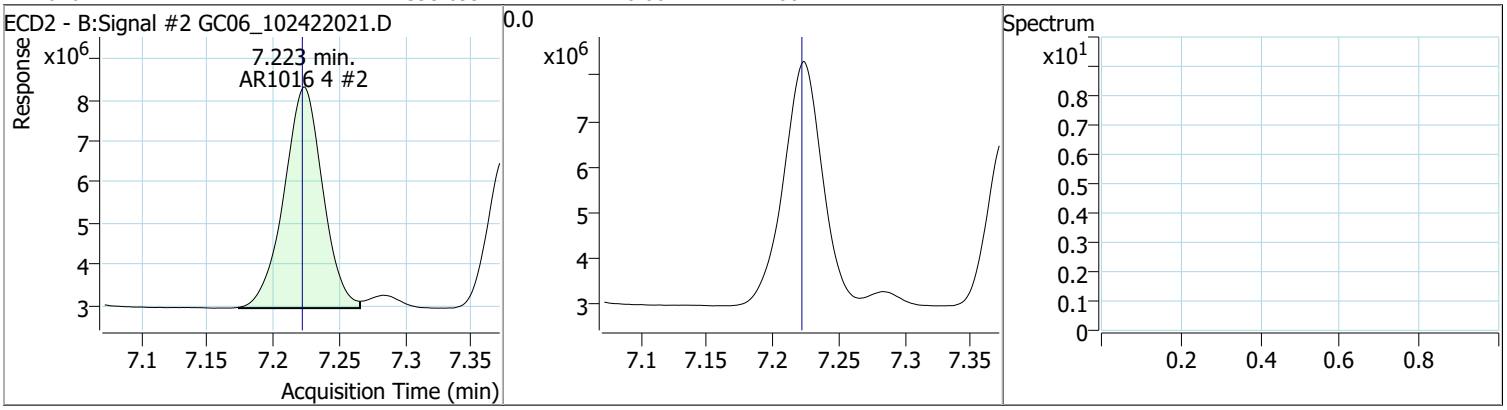
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1364.2649	6.91	0.00	2242692				



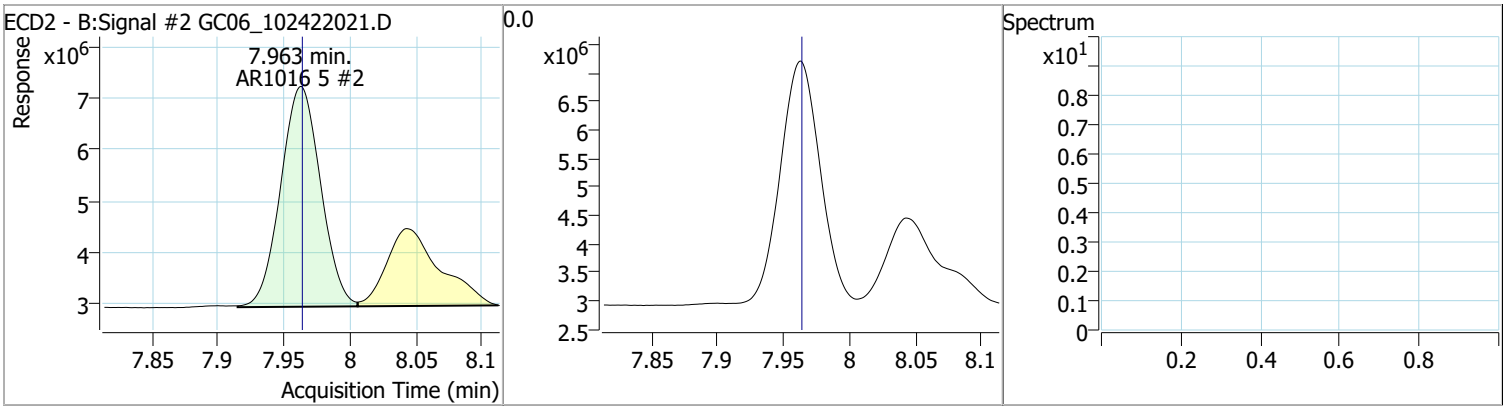
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1387.2792	7.03	0.00	15343106				



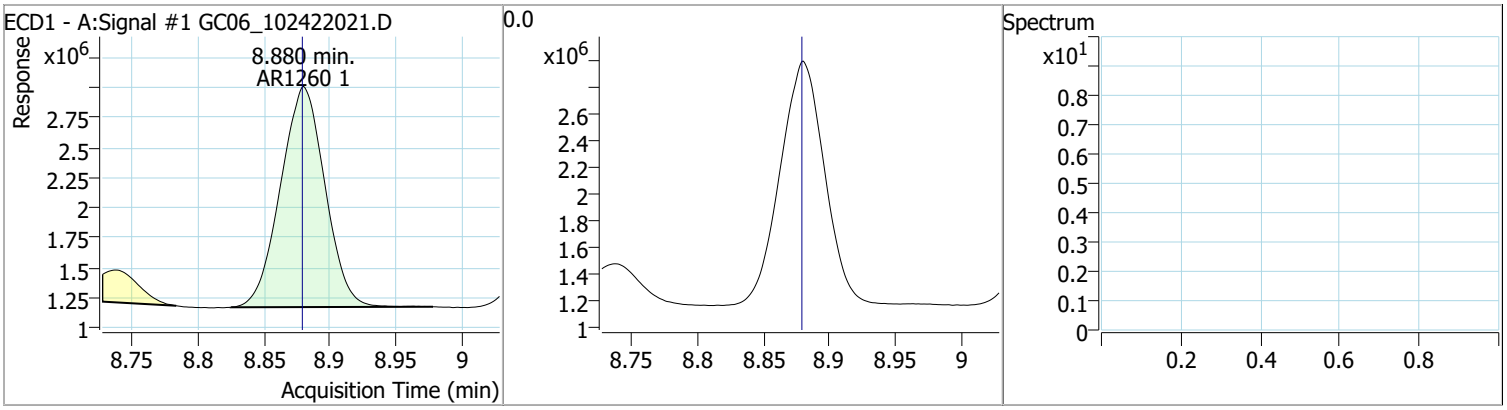
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1393.6991	7.22	0.00	11004271				



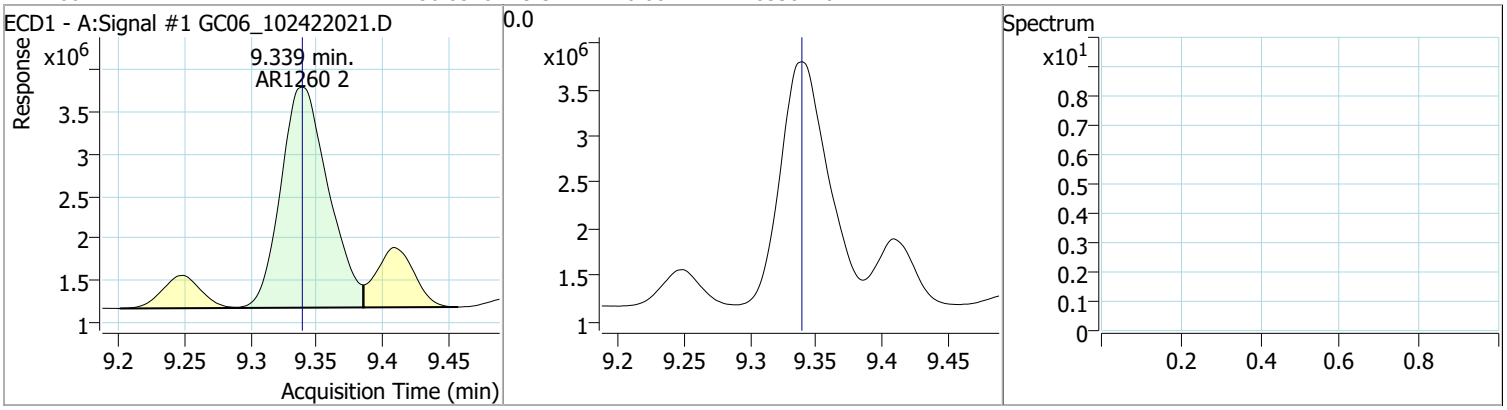
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1403.7375	7.96	0.00	9009188				



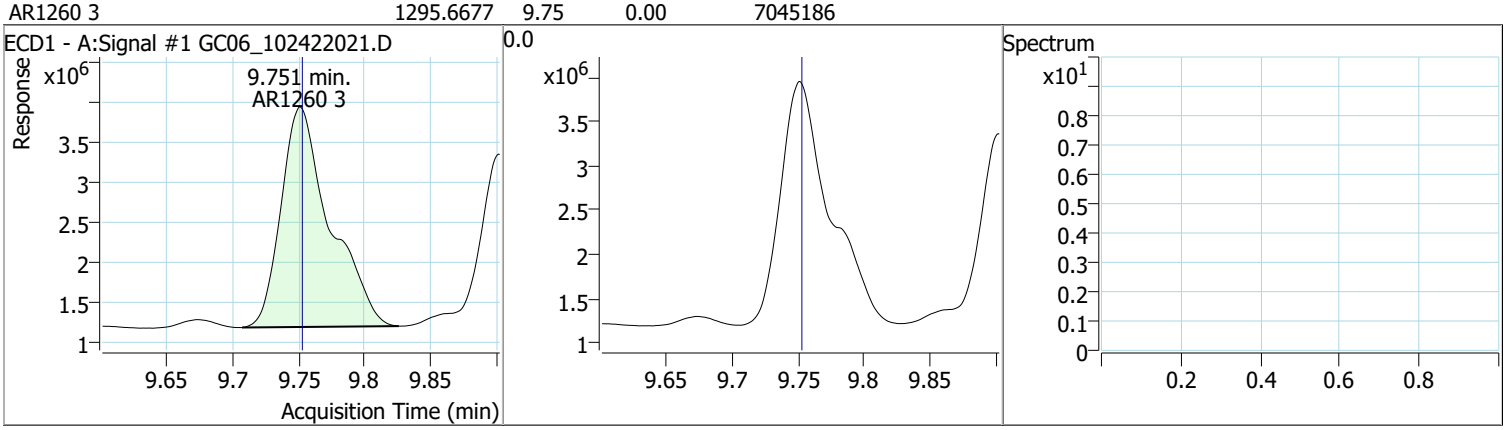
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1249.9957	8.88	0.00	4266432				



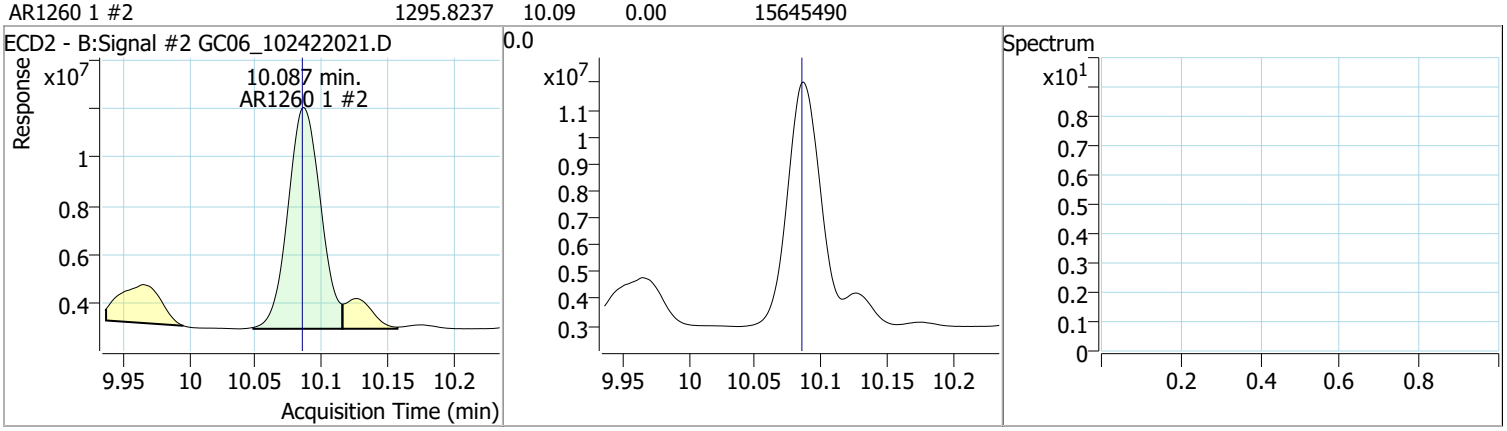
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1256.8526	9.34	0.00	6538470				



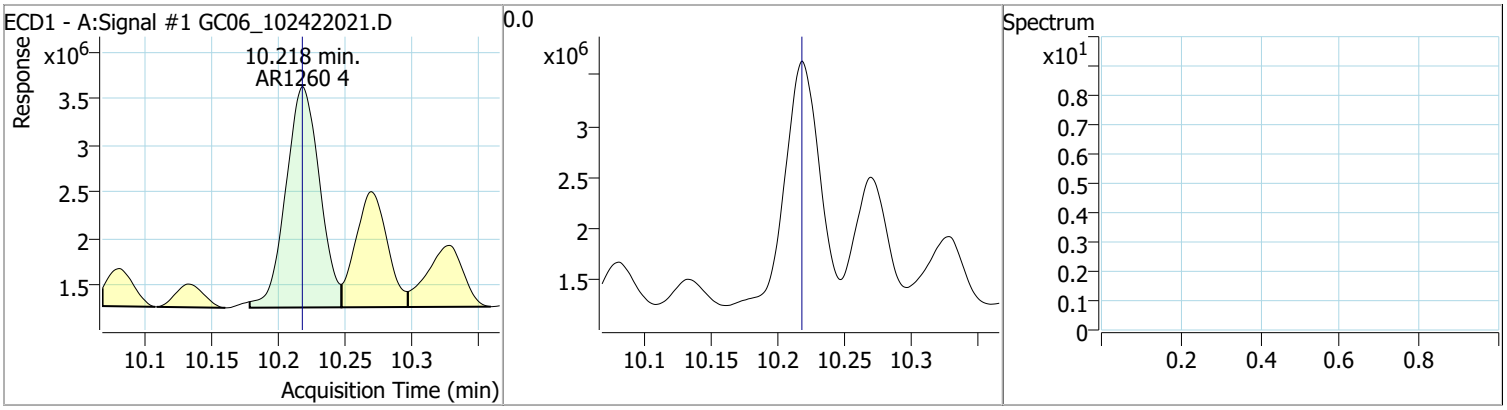
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1295.6677	9.75	0.00	7045186				



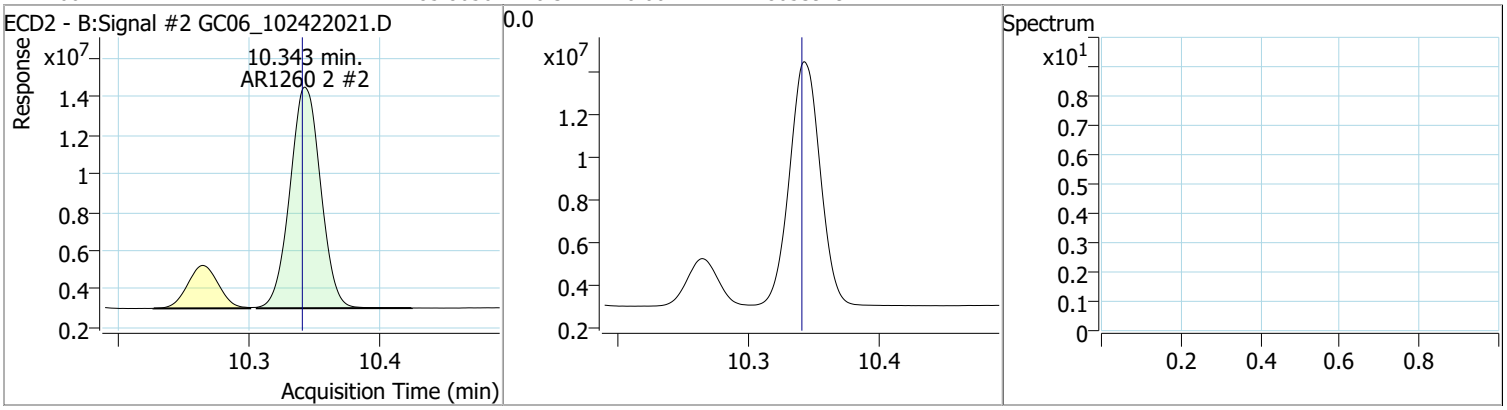
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1295.8237	10.09	0.00	15645490				



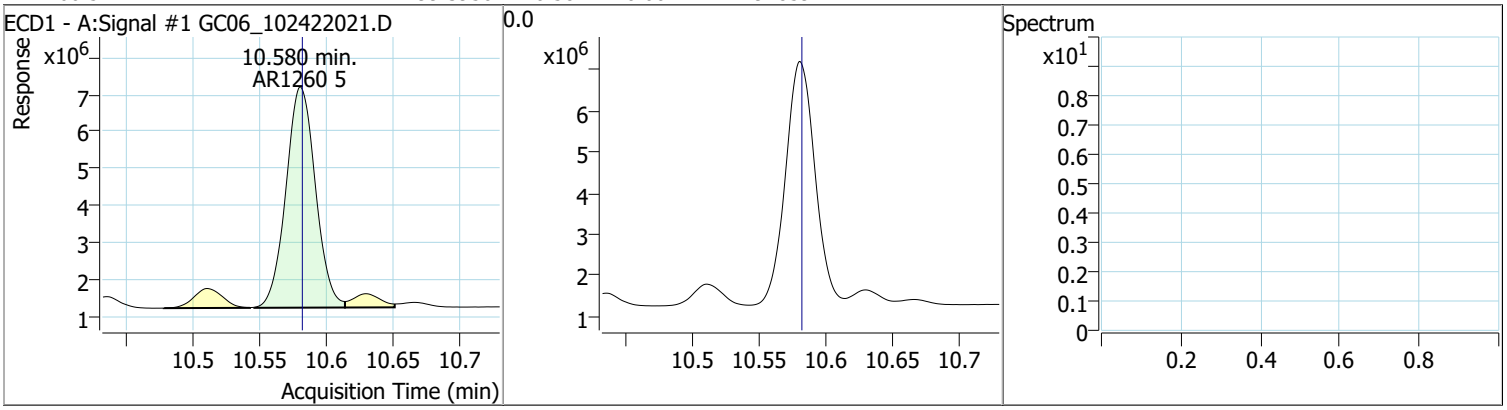
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1449.9072	10.22	0.00	4208394				



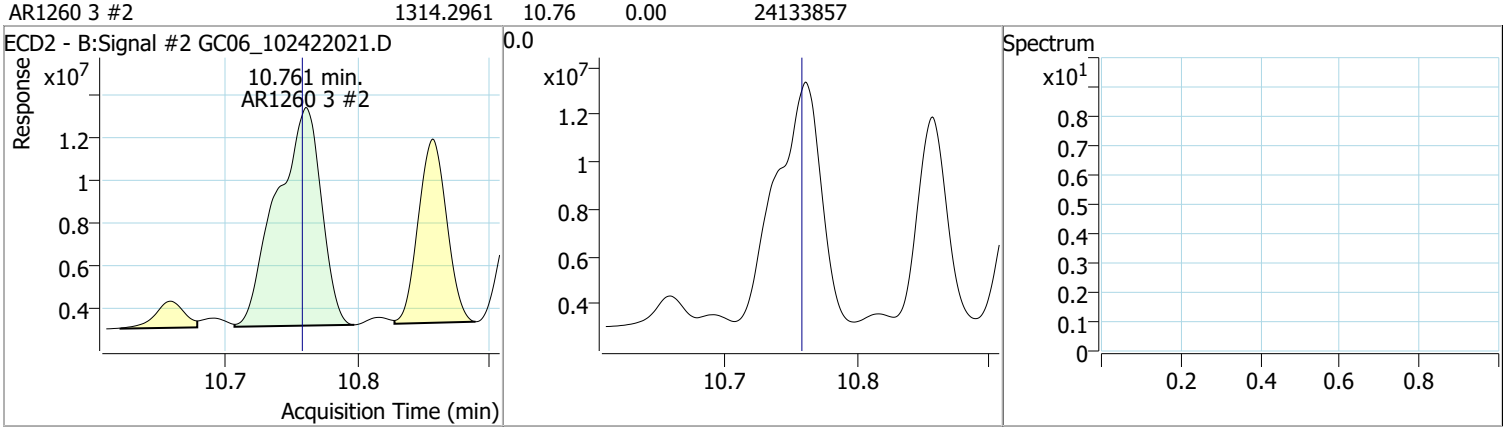
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1285.8656	10.34	0.00	18653949				



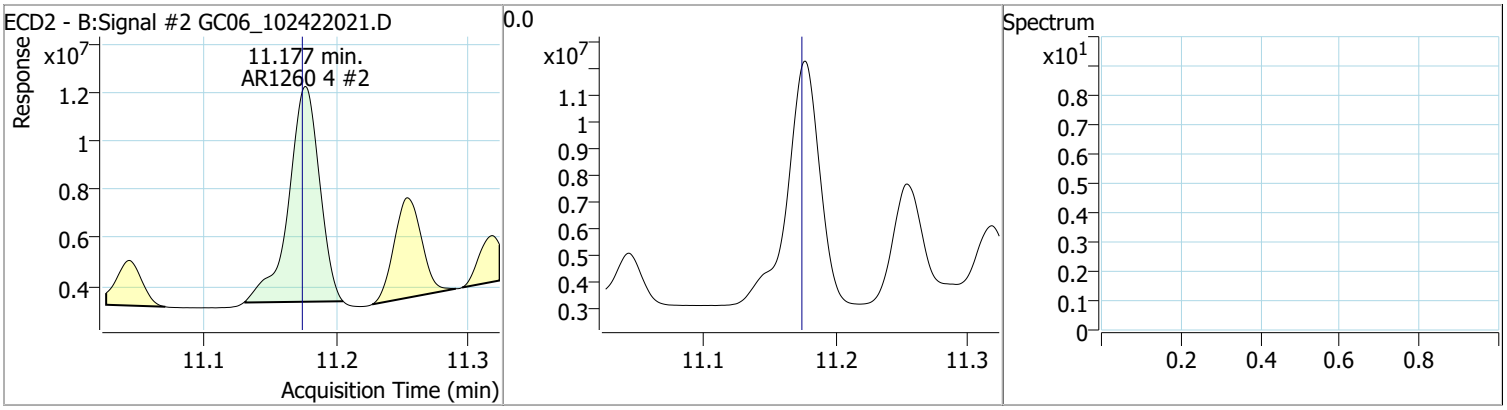
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1499.3950	10.58	0.00	9185947				



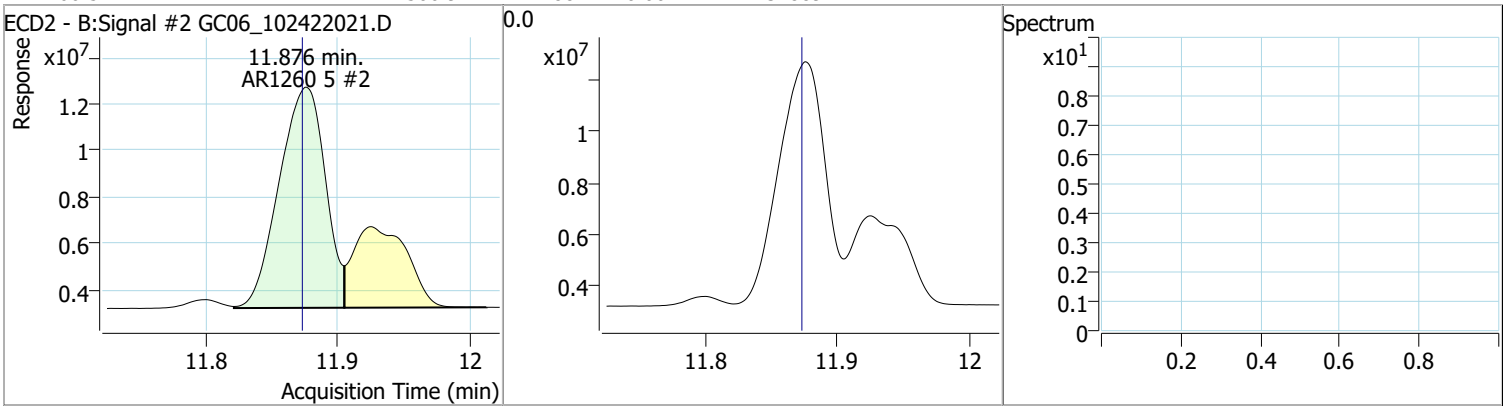
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1314.2961	10.76	0.00	24133857				



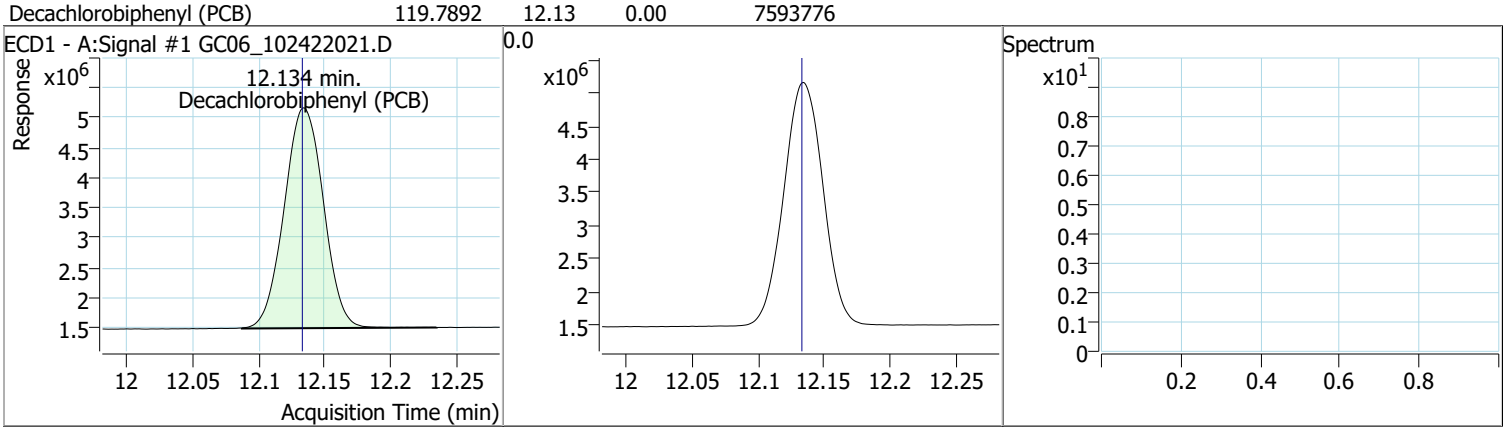
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1419.8121	11.18	0.00	14547609				



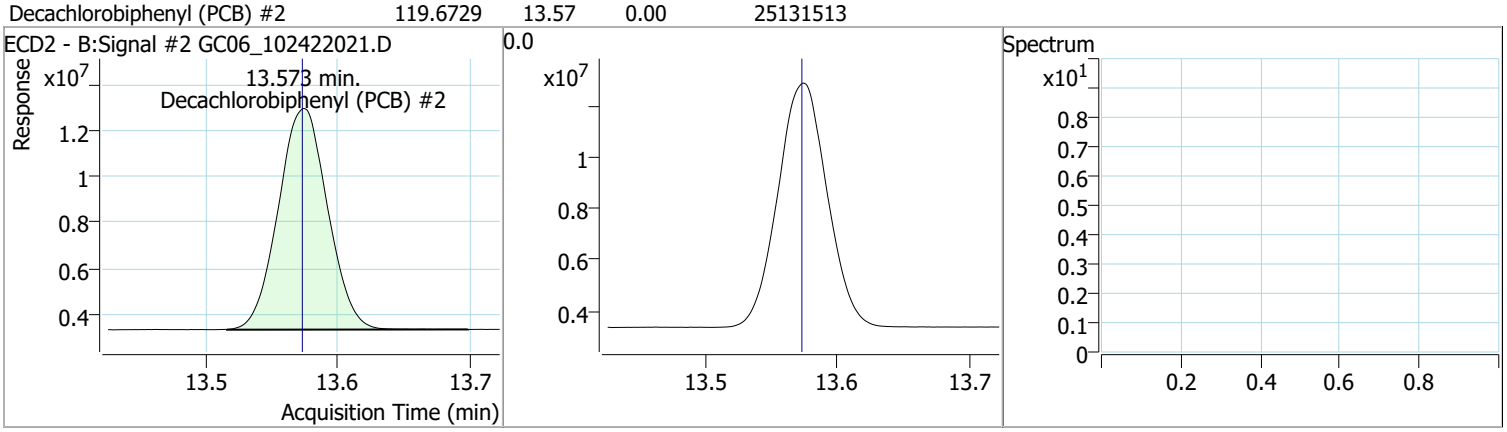
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1500.9271	11.88	0.00	23188941				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	119.7892	12.13	0.00	7593776				

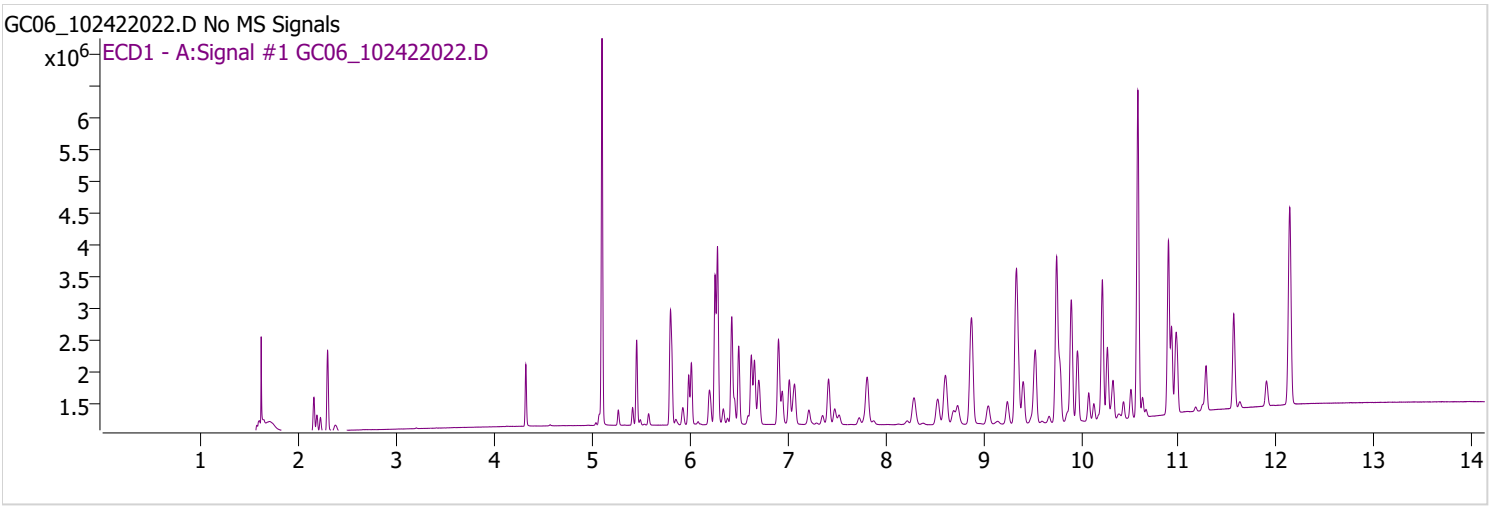


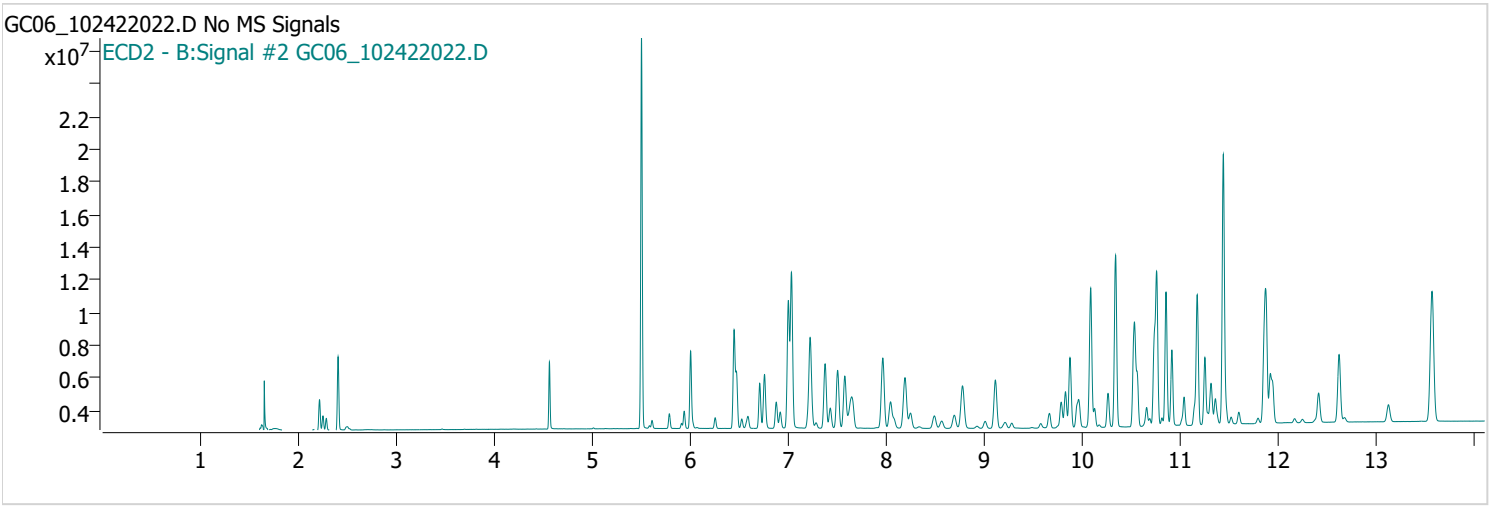
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	119.6729	13.57	0.00	25131513				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422022.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 7:49:40 PM
Sample Name	ICAL, S17271	Instrument	SVOA-GC06
Vial	19	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



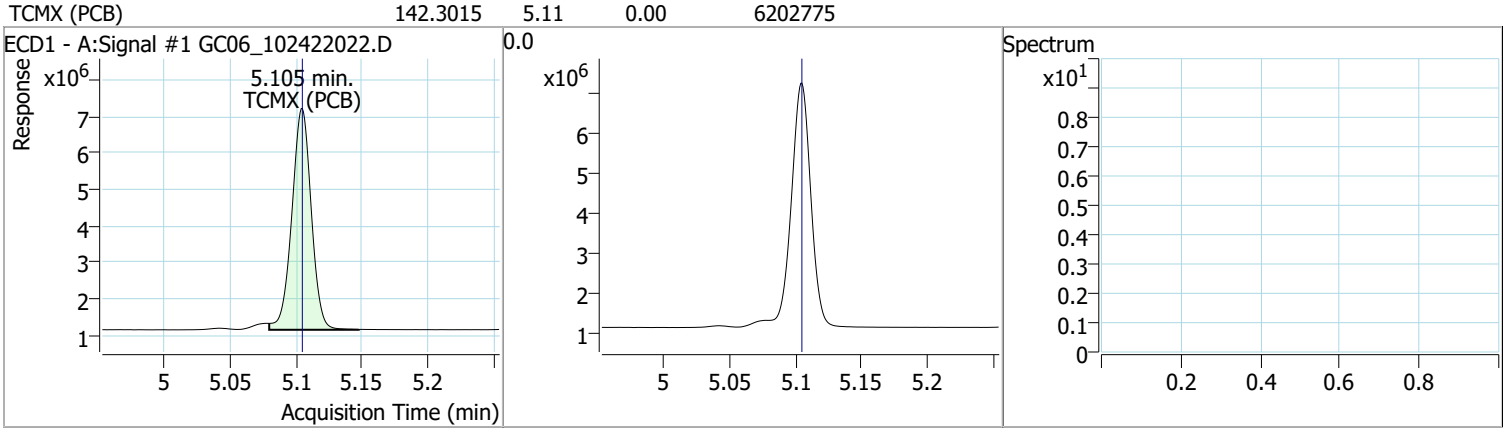


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.326	0.0	906626.221	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	3691149.717	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.105	0.0	6202774.952	142.3015	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 711.51%		*	
S TCMX (PCB) #2	5.503	0.0	25651002.263	144.7037	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 723.52%		*	
S Decachlorobiphenyl (PCB)	12.134	0.0	6098843.349	106.6672	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 533.34%		*	
S Decachlorobiphenyl (PCB) #2	13.573	0.0	20258174.033	105.7889	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 528.94%		*	
Target Compounds							QValue

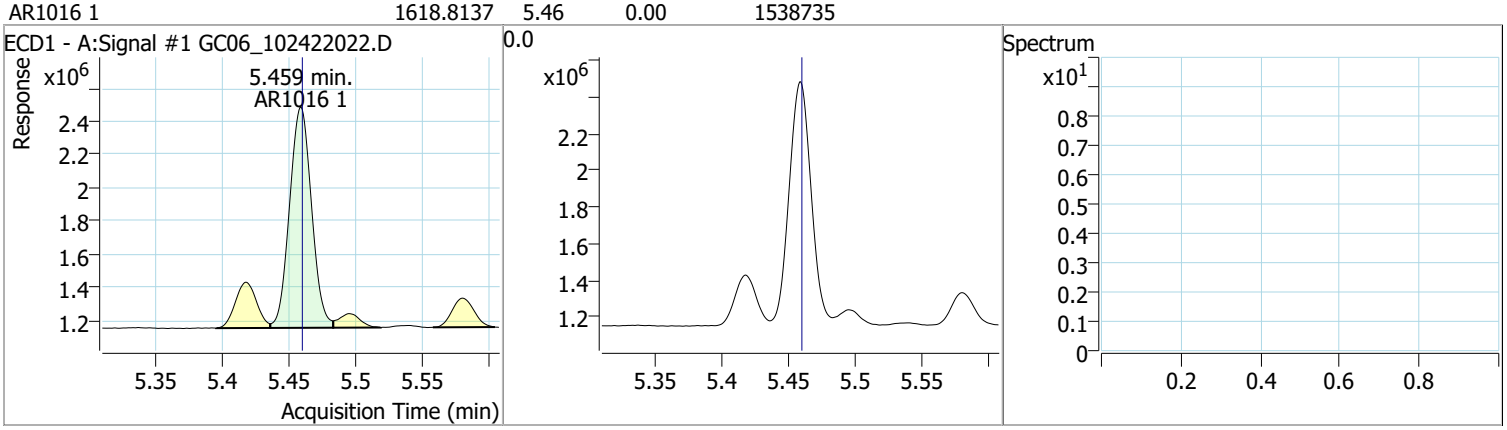
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.459	0.0	1538734.960	1618.8137	ng/ml		100
T AR1016 2	5.805	0.0	3184204.270	1669.3851	ng/ml		100
T AR1016 1 #2	6.003	0.0	6194471.019	1614.7027	ng/ml		100
T AR1016 3	6.285	0.0	3827451.052	1588.1636	ng/ml		100
T AR1016 4	6.431	0.0	2903211.966	1583.9087	ng/ml		100
T AR1016 2 #2	6.448	0.0	8887205.164	1604.8078	ng/ml	m	100
T AR1016 5	6.908	0.0	2292606.771	1552.8837	ng/ml		100
T AR1016 3 #2	7.033	0.0	15846370.157	1574.8198	ng/ml		100
T AR1016 4 #2	7.223	0.0	11463840.690	1595.8363	ng/ml		100
T AR1016 5 #2	7.966	0.0	9161537.220	1568.9859	ng/ml		100
T AR1260 1	8.881	0.0	4117618.549	1343.2907	ng/ml		100
T AR1260 2	9.341	0.0	6106282.504	1306.9692	ng/ml		100
T AR1260 3	9.752	0.0	6524007.873	1335.9676	ng/ml		100
T AR1260 1 #2	10.088	0.0	14980655.669	1363.7603	ng/ml		100
T AR1260 4	10.219	0.0	3788830.282	1453.5184	ng/ml		100
T AR1260 2 #2	10.343	0.0	17403792.021	1318.6185	ng/ml		100
T AR1260 5	10.582	0.0	8046003.993	1461.9072	ng/ml		100
T AR1260 3 #2	10.761	0.0	22258325.428	1332.3228	ng/ml		100
T AR1260 4 #2	11.176	0.0	13342427.945	1431.4709	ng/ml		100
T AR1260 5 #2	11.873	0.0	20128855.663	1431.1606	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

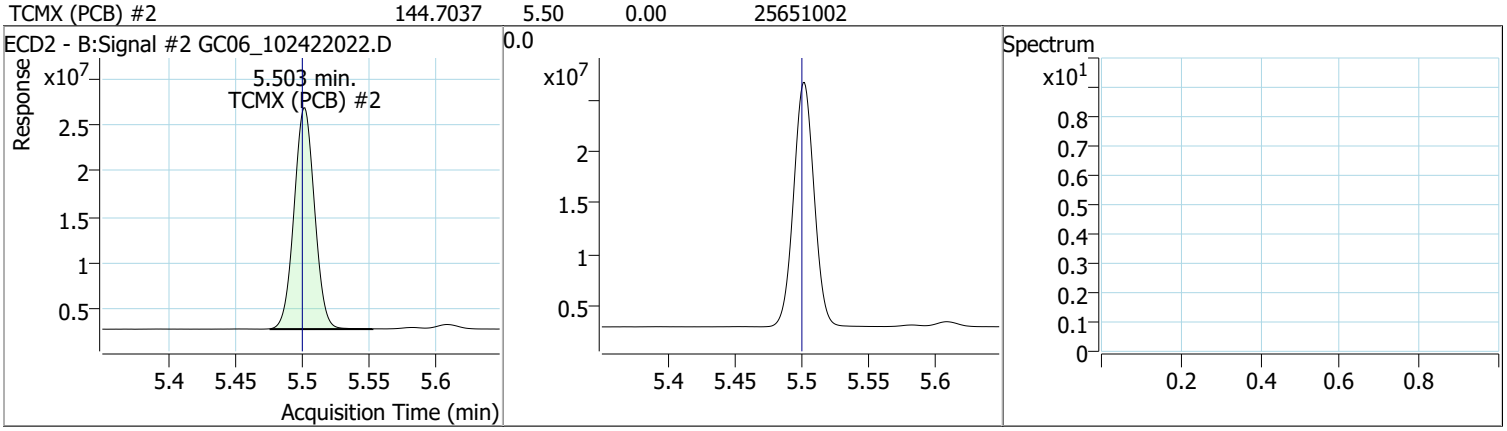
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	142.3015	5.11	0.00	6202775				



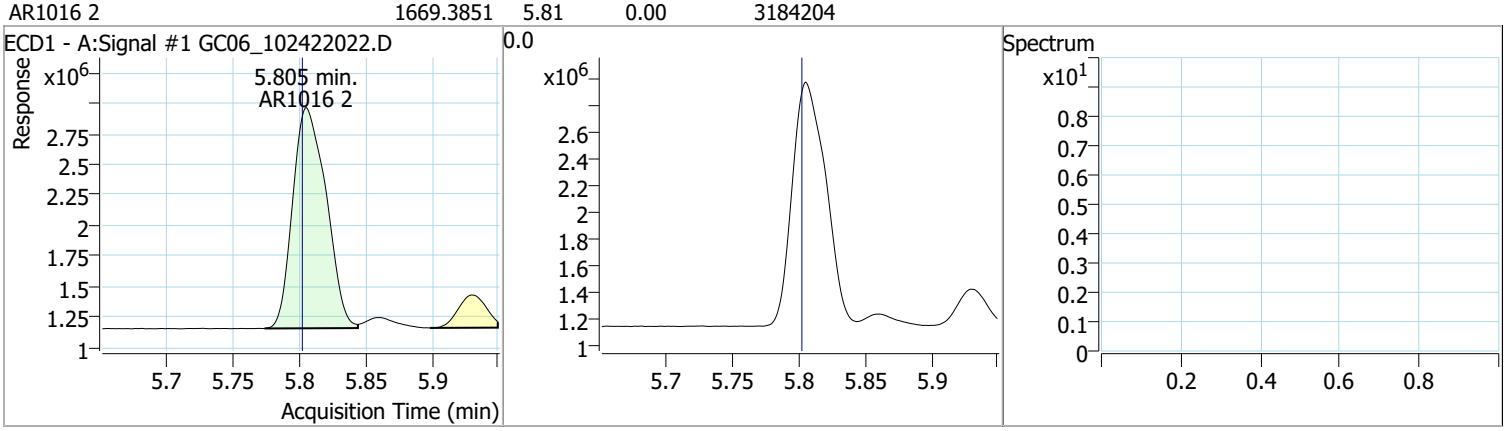
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1618.8137	5.46	0.00	1538735				



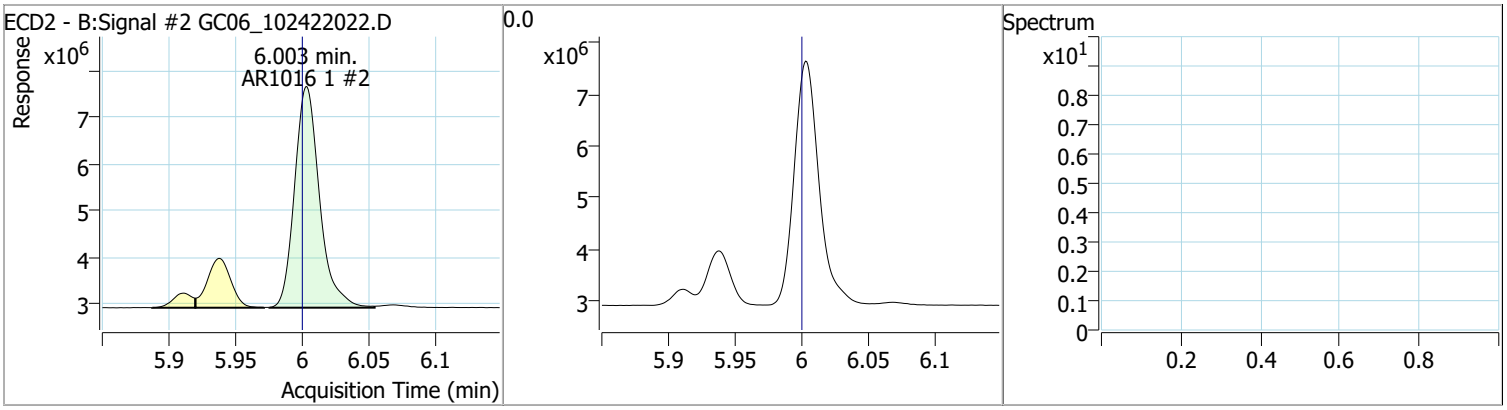
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	144.7037	5.50	0.00	25651002				



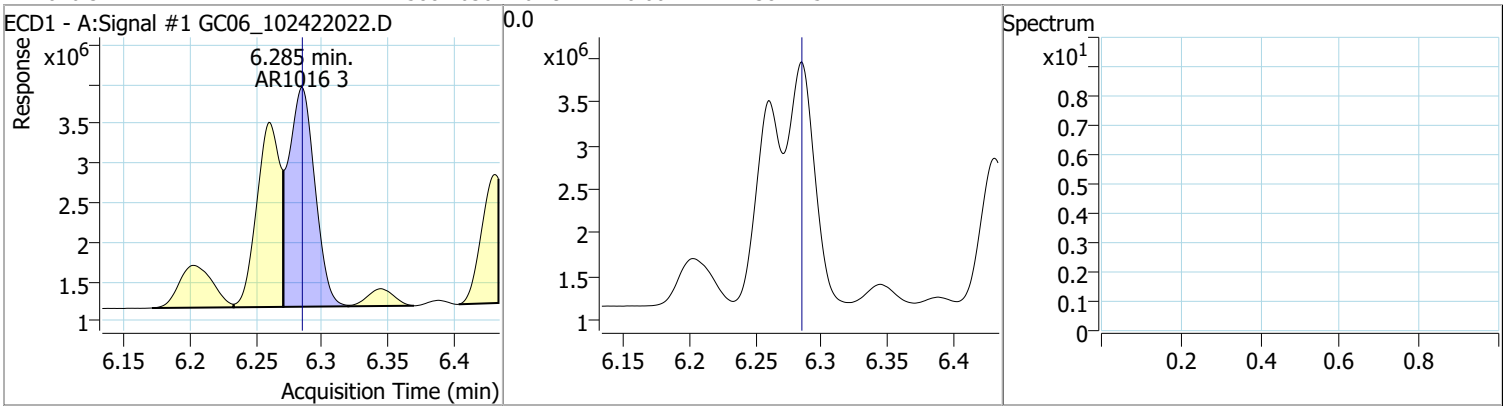
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1669.3851	5.81	0.00	3184204				



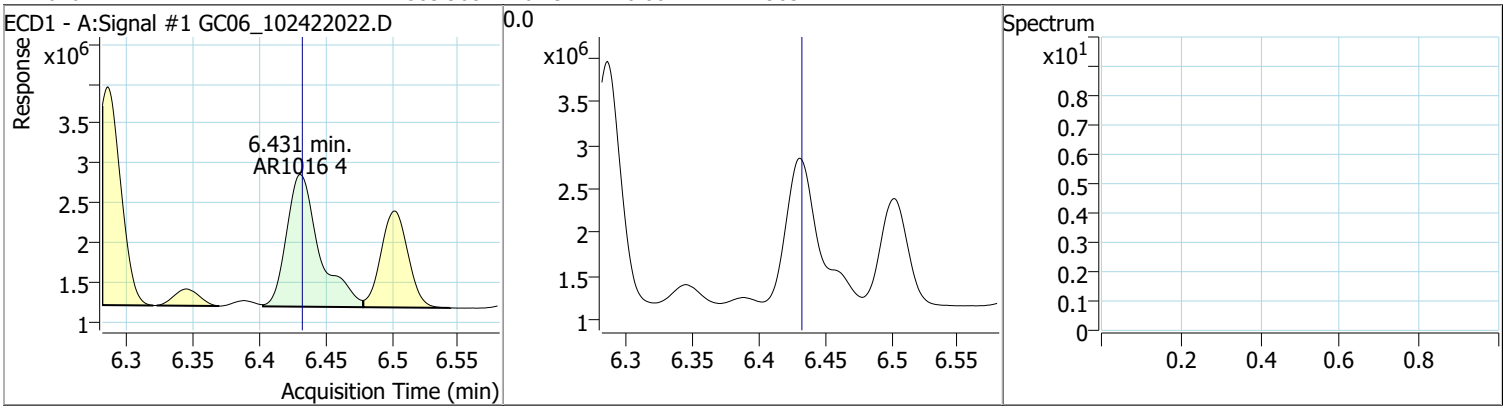
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1614.7027	6.00	0.00	6194471				



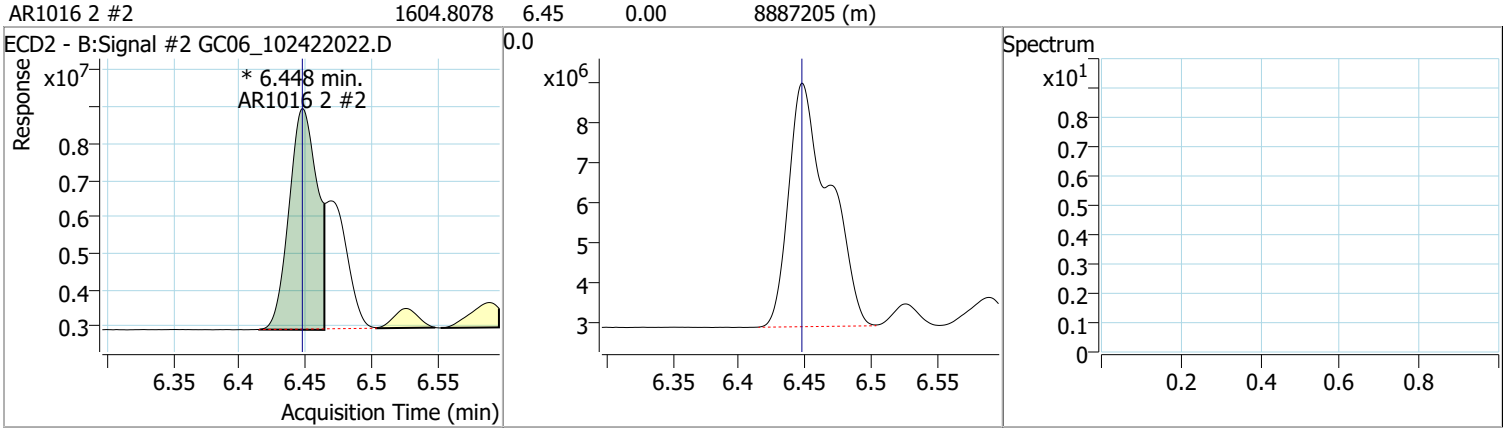
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1588.1636	6.29	0.00	3827451				



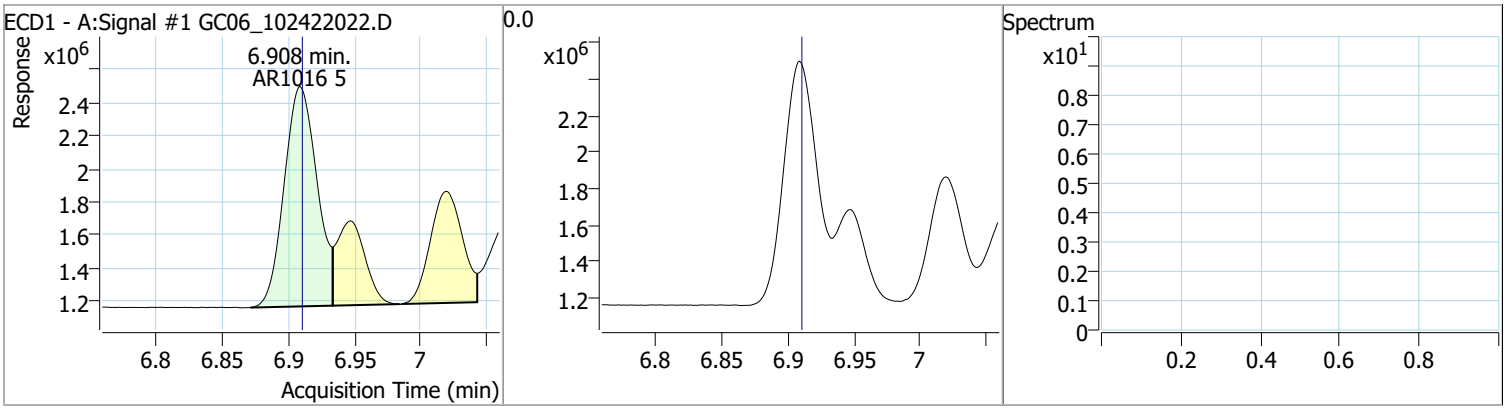
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1583.9087	6.43	0.00	2903212				



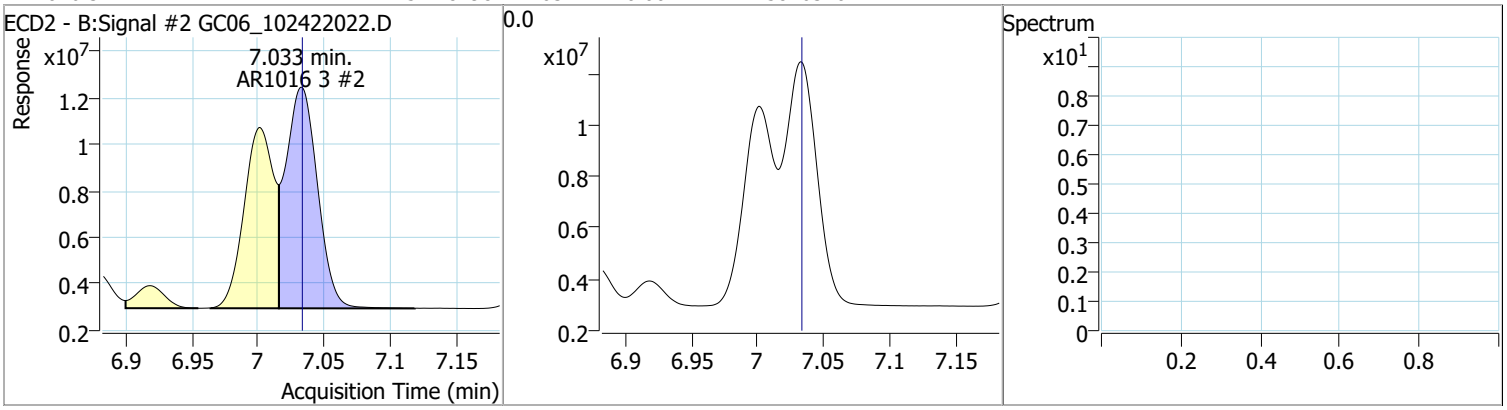
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1604.8078	6.45	0.00	8887205 (m)				



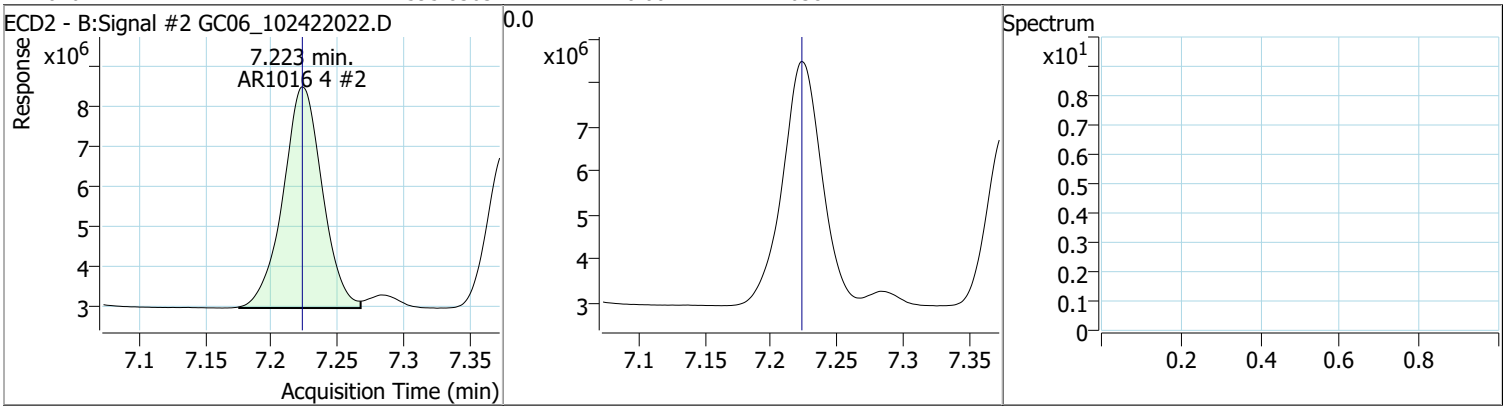
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1552.8837	6.91	0.00	2292607				



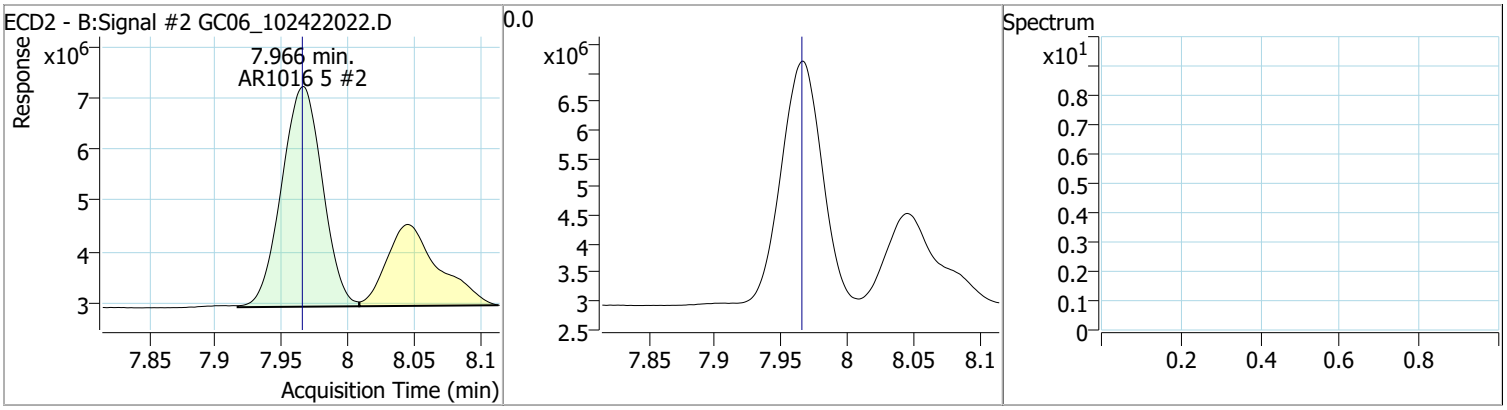
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1574.8198	7.03	0.00	15846370				



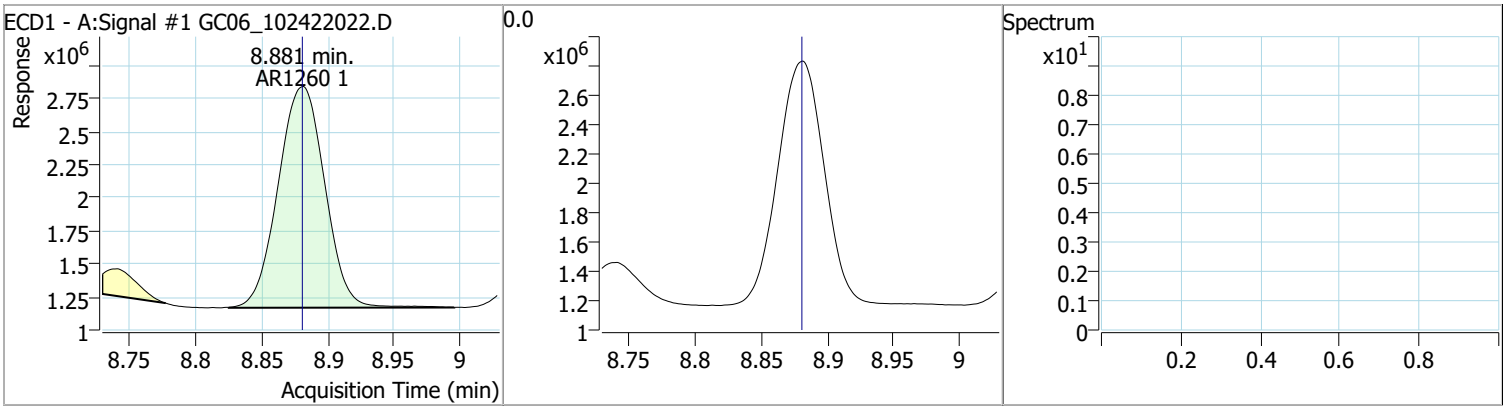
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1595.8363	7.22	0.00	11463841				



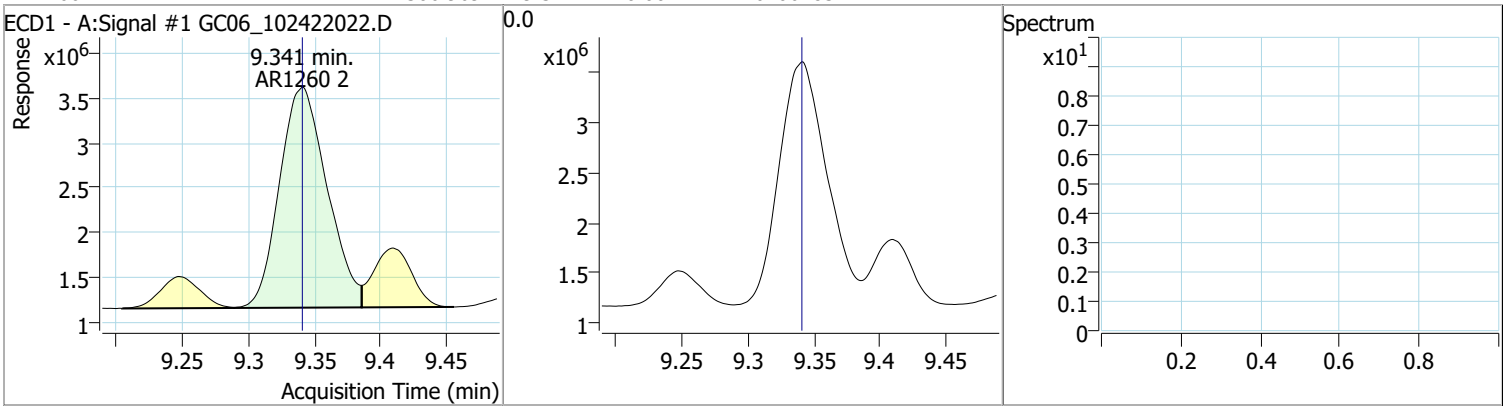
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1568.9859	7.97	0.00	9161537				



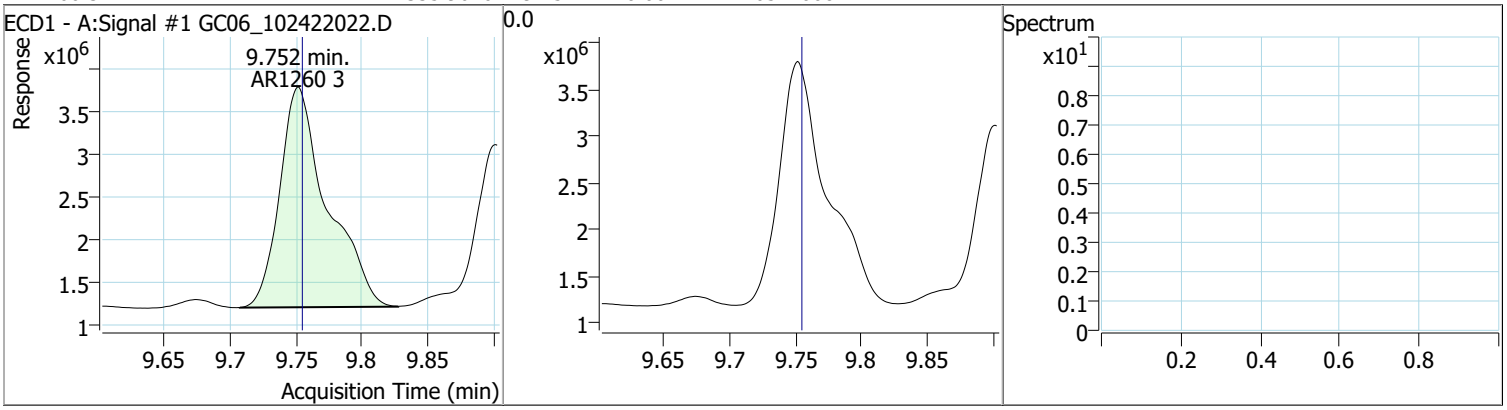
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1343.2907	8.88	0.00	4117619				



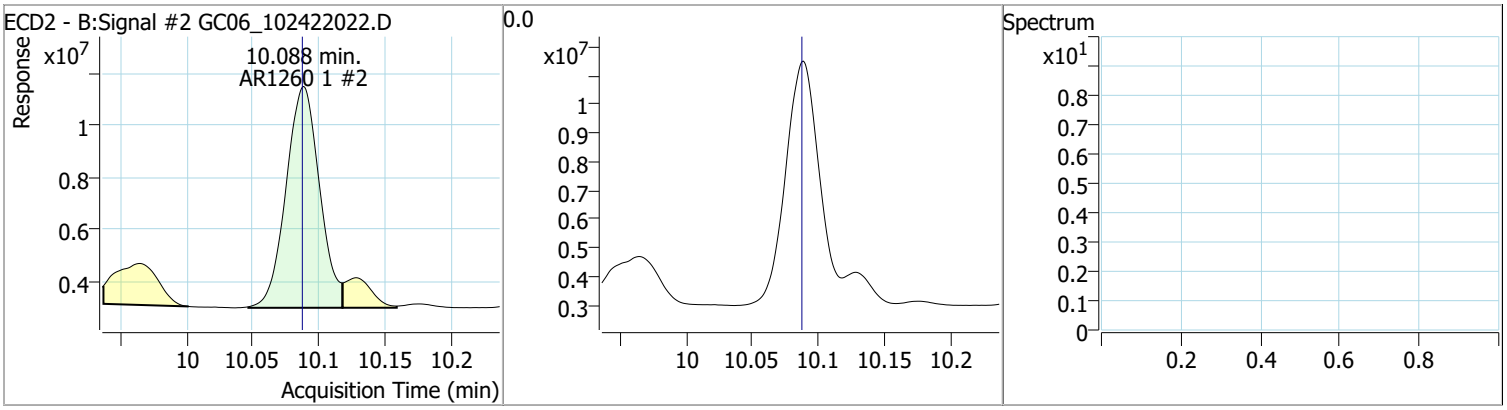
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1306.9692	9.34	0.00	6106283				



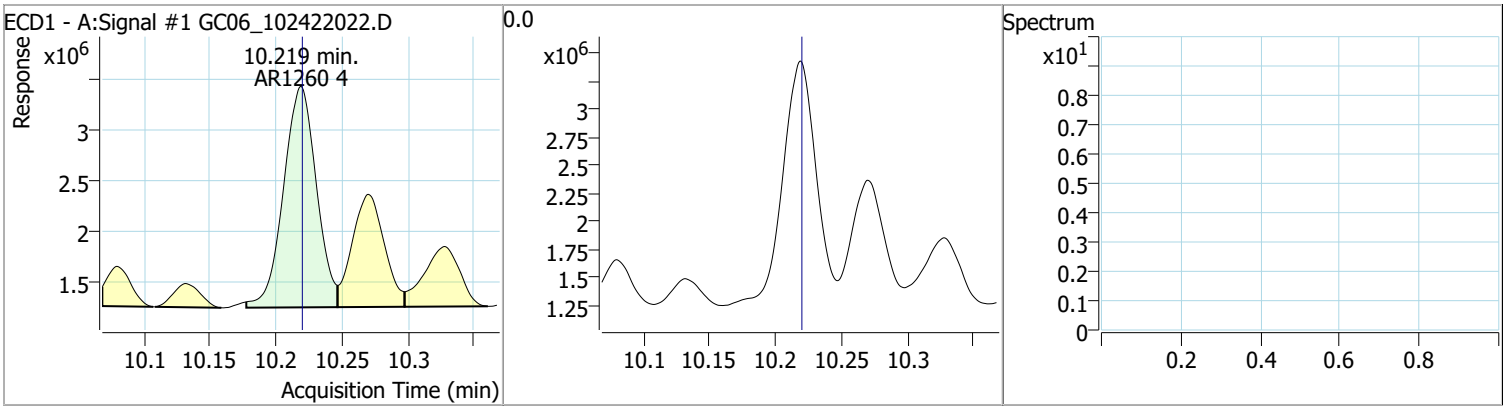
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1335.9676	9.75	0.00	6524008				



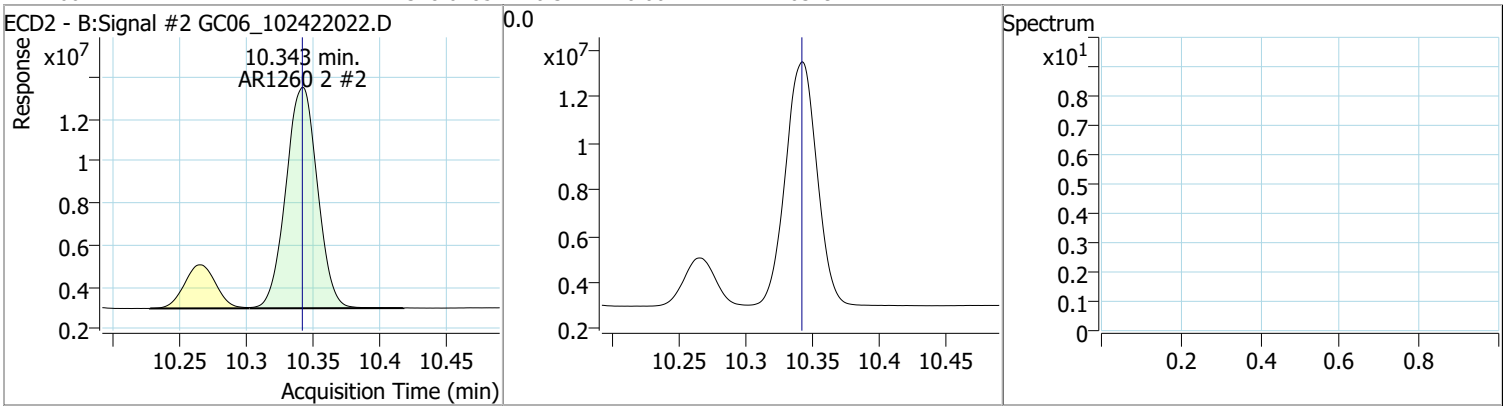
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1363.7603	10.09	0.00	14980656				



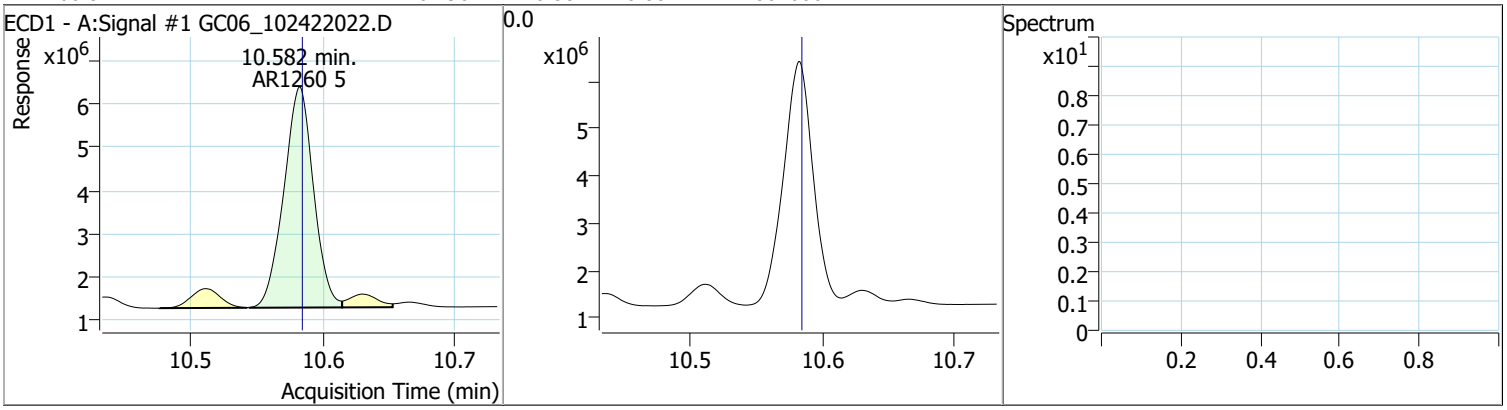
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1453.5184	10.22	0.00	3788830				



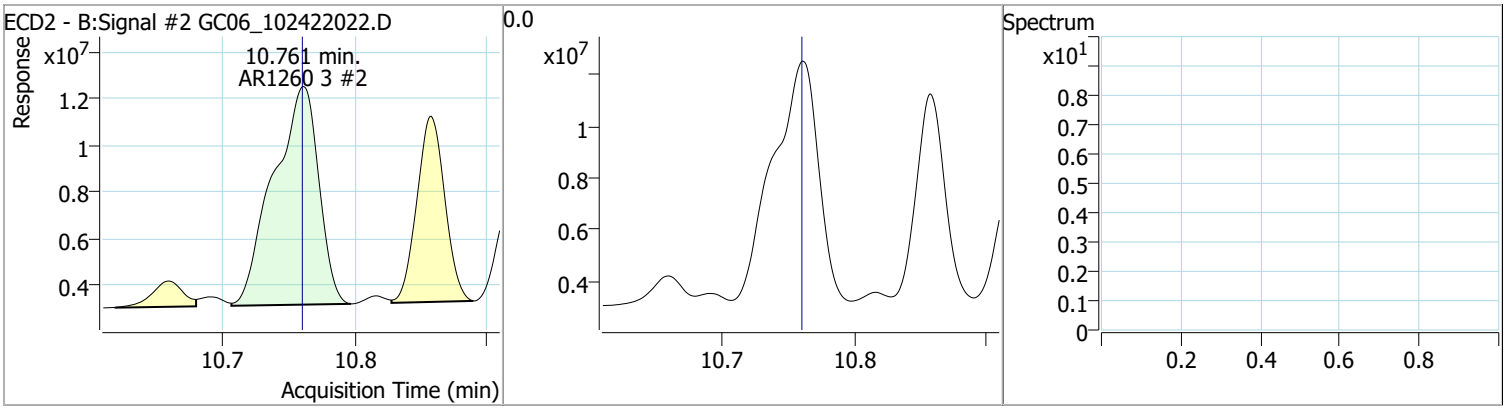
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1318.6185	10.34	0.00	17403792				



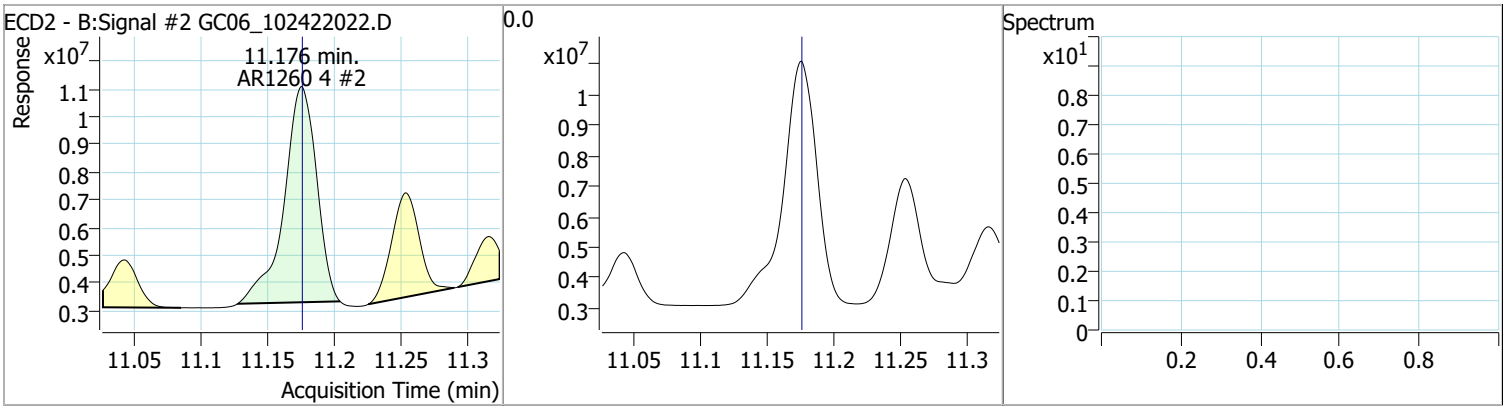
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1461.9072	10.58	0.00	8046004				



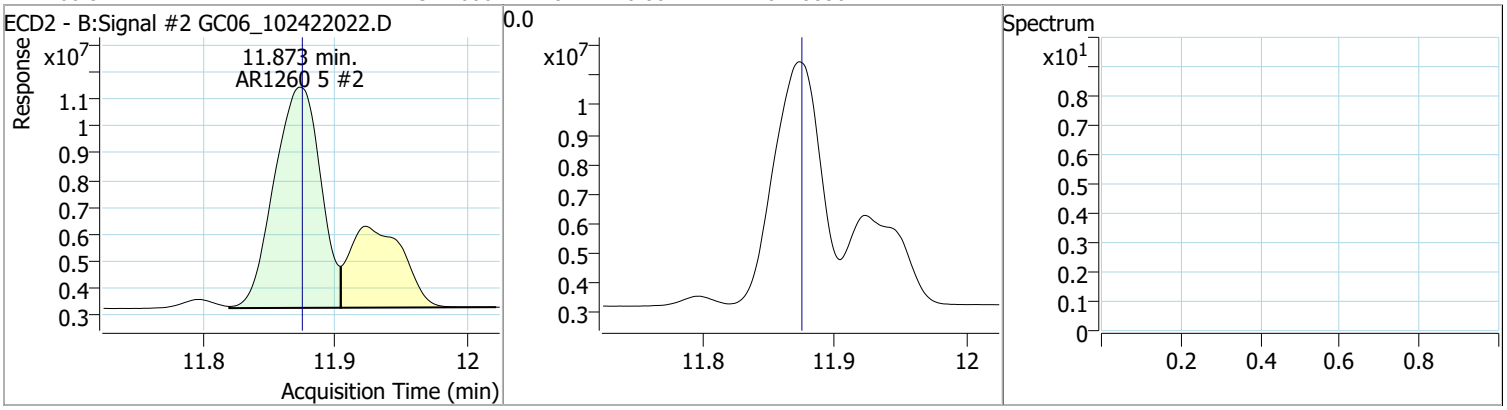
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1332.3228	10.76	0.00	22258325				



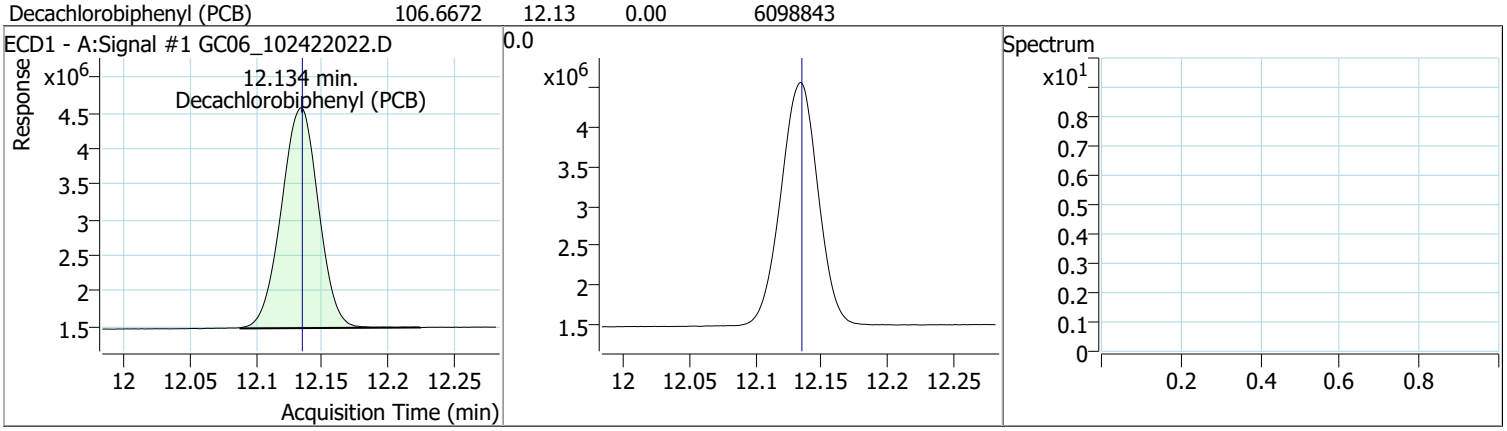
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1431.4709	11.18	0.00	13342428				



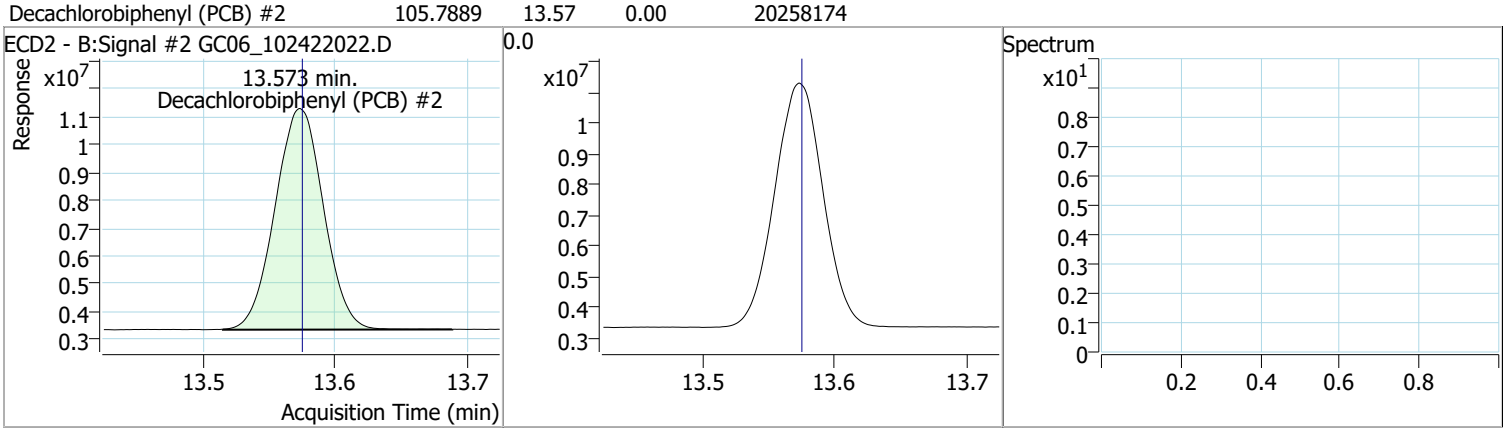
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1431.1606	11.87	0.00	20128856				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	106.6672	12.13	0.00	6098843				

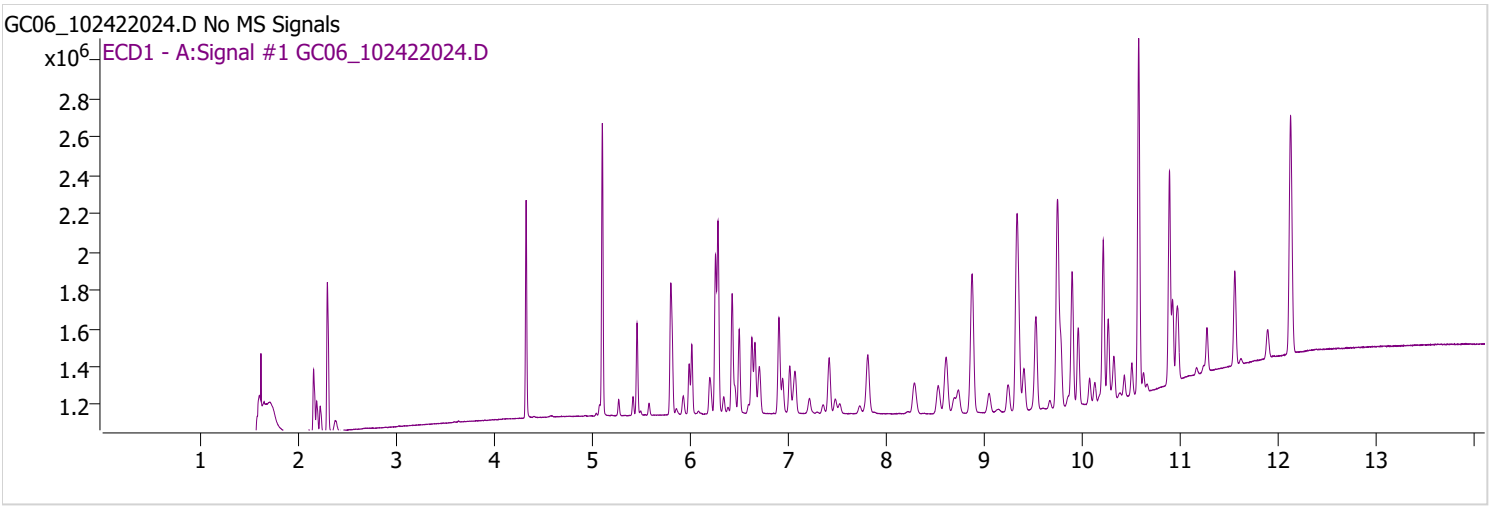


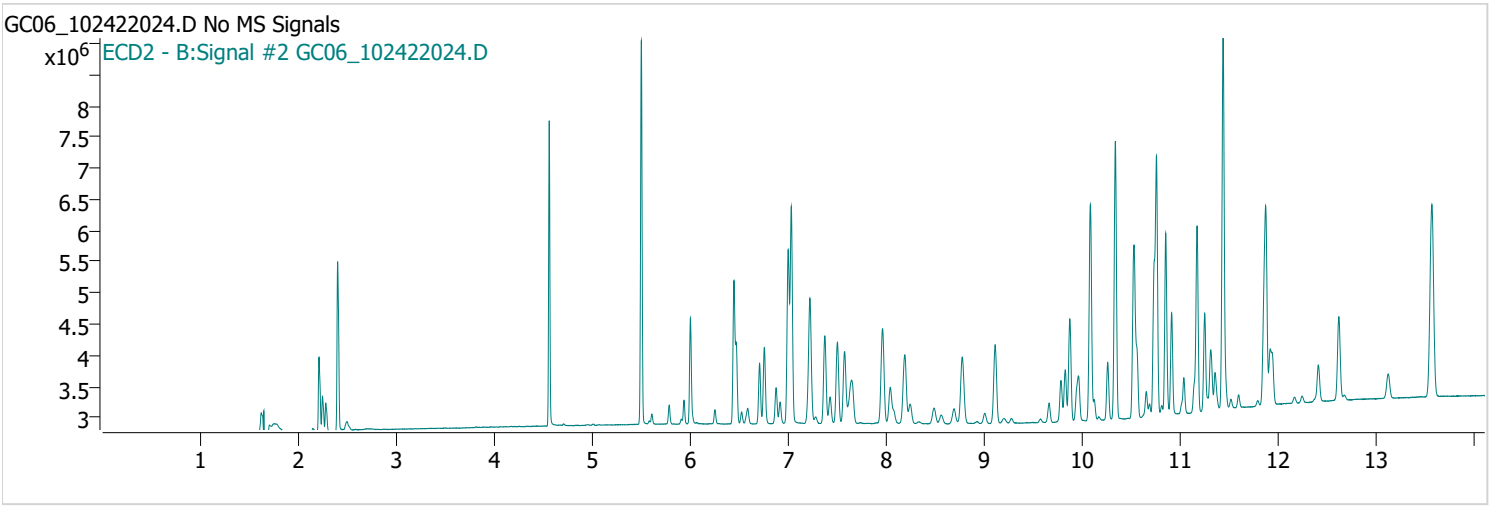
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	105.7889	13.57	0.00	20258174				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422024.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 8:25:35 PM
Sample Name	ICV, S17235	Instrument	SVOA-GC06
Vial	20	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



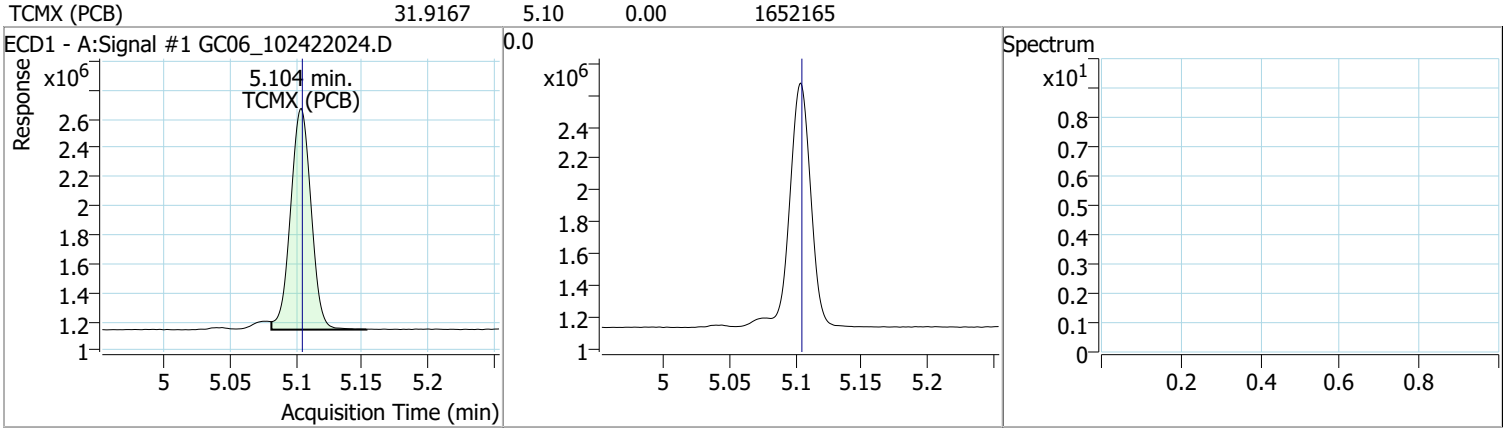


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.326	0.0	1076682.196	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	4397148.902	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.104	0.0	1652164.770	31.9167	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 159.58%		*	
S TCMX (PCB) #2	5.503	0.0	6722893.316	31.8363	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 159.18%		*	
S Decachlorobiphenyl (PCB)	12.132	0.0	2466843.073	33.4800	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 167.40%		*	
S Decachlorobiphenyl (PCB) #2	13.575	0.0	8011248.396	33.7063	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 168.53%		*	
Target Compounds							QValue

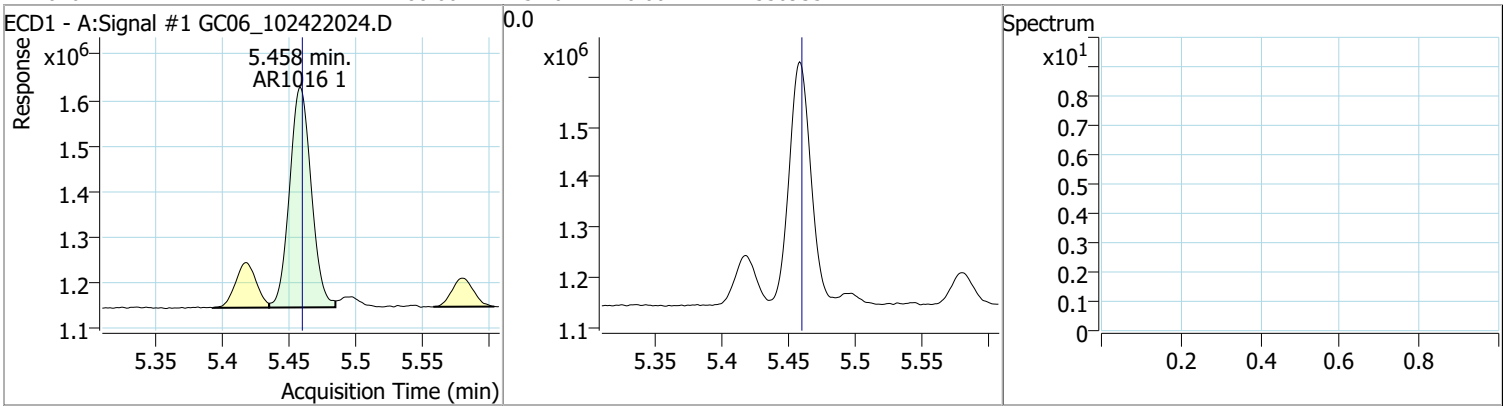
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.458	0.0	550935.426	488.0614	ng/ml		100
T AR1016 2	5.803	0.0	1189862.282	514.7354	ng/ml		100
T AR1016 1 #2	6.003	0.0	2242477.144	490.6896	ng/ml		100
T AR1016 3	6.285	0.0	1389465.420	485.4831	ng/ml		100
T AR1016 4	6.430	0.0	1046664.270	480.8388	ng/ml		100
T AR1016 2 #2	6.448	0.0	3255640.126	493.4972	ng/ml	m	100
T AR1016 5	6.908	0.0	816413.877	465.6509	ng/ml		100
T AR1016 3 #2	7.033	0.0	5620148.290	468.8558	ng/ml		100
T AR1016 4 #2	7.223	0.0	4113157.293	480.6445	ng/ml		100
T AR1016 5 #2	7.966	0.0	3287720.462	472.6461	ng/ml		100
T AR1260 1	8.880	0.0	1666464.315	457.7841	ng/ml		100
T AR1260 2	9.340	0.0	2597140.258	468.0849	ng/ml		100
T AR1260 3	9.752	0.0	2770140.676	477.6656	ng/ml		100
T AR1260 1 #2	10.088	0.0	6115733.850	467.3543	ng/ml		100
T AR1260 4	10.219	0.0	1373500.840	432.9684	ng/ml		100
T AR1260 2 #2	10.343	0.0	7171316.093	456.1048	ng/ml		100
T AR1260 5	10.581	0.0	2835639.223	421.1135	ng/ml		100
T AR1260 3 #2	10.763	0.0	9458173.779	475.2419	ng/ml		100
T AR1260 4 #2	11.178	0.0	5106288.877	443.8244	ng/ml		100
T AR1260 5 #2	11.878	0.0	7482914.204	433.7764	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

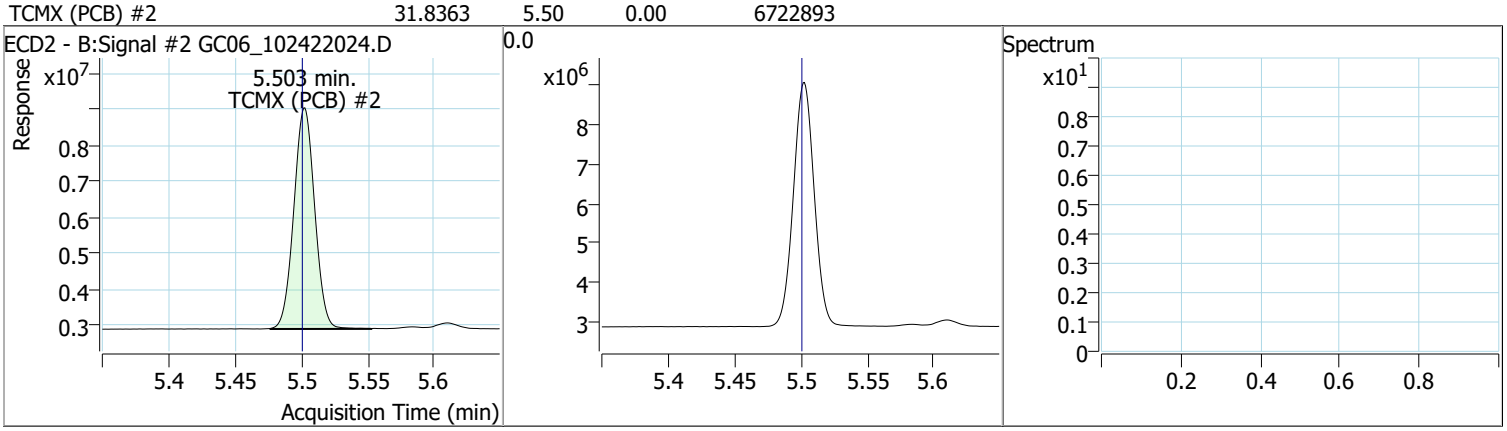
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.9167	5.10	0.00	1652165				



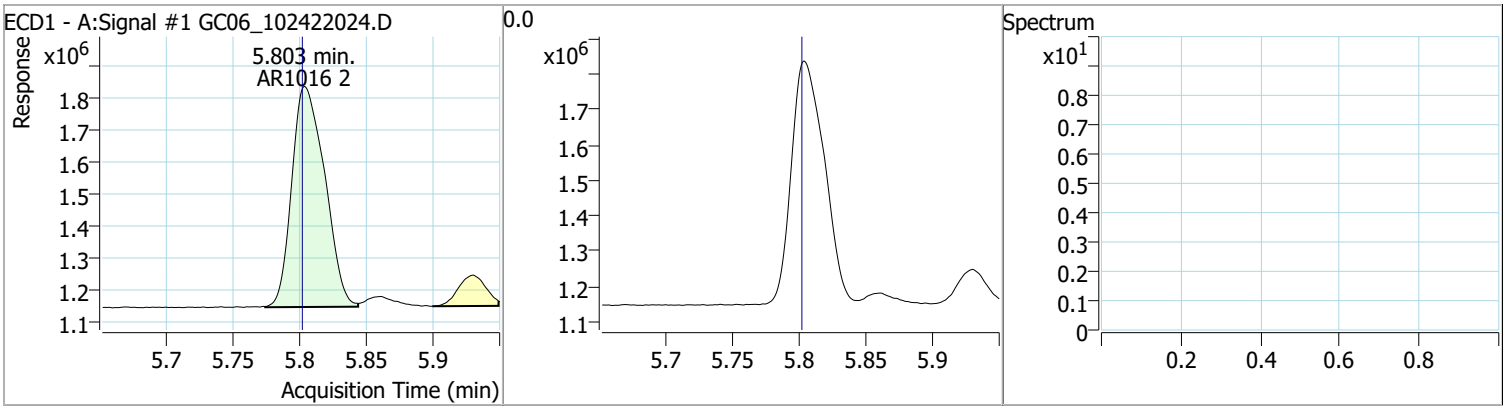
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	488.0614	5.46	0.00	550935				



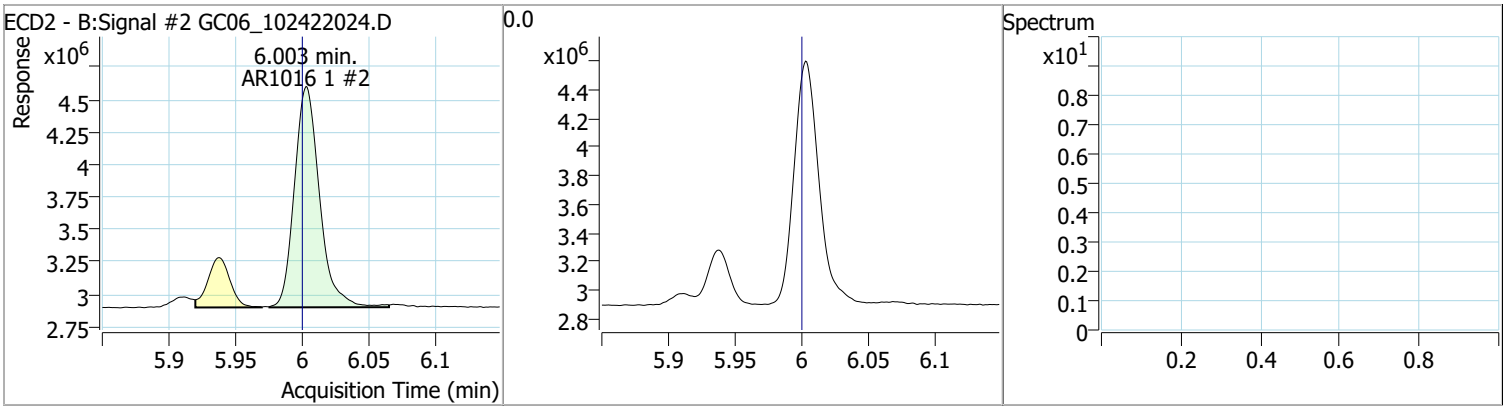
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	31.8363	5.50	0.00	6722893				



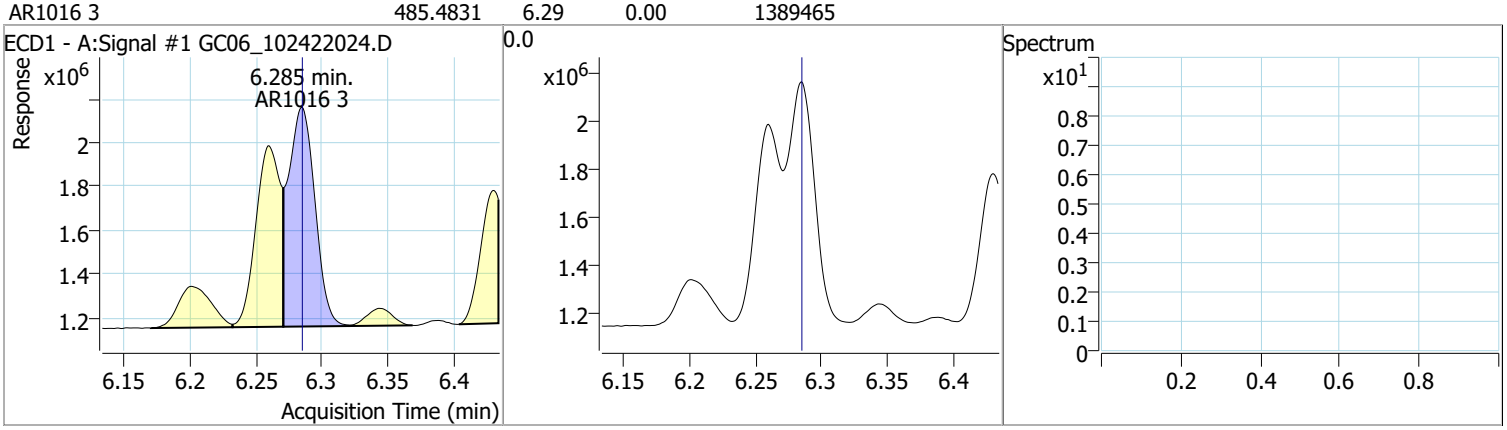
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	514.7354	5.80	0.00	1189862				



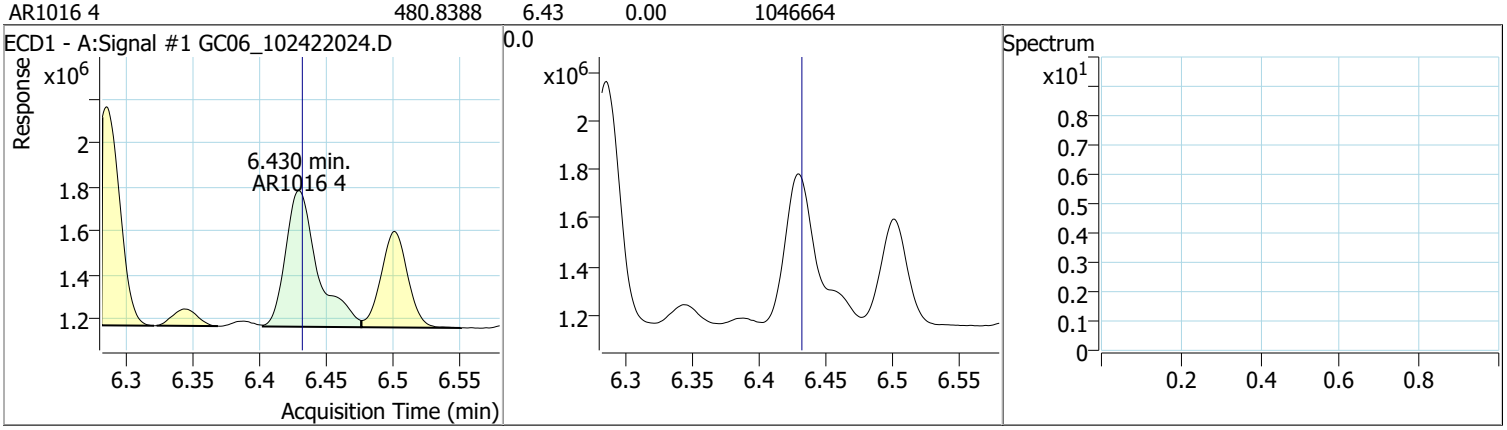
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	490.6896	6.00	0.00	2242477				



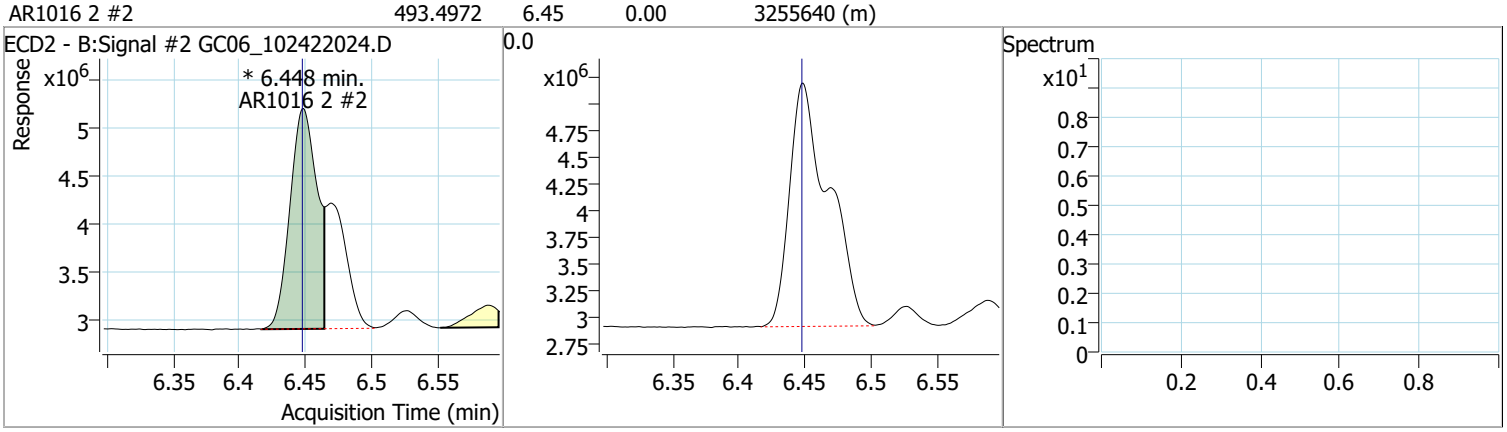
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	485.4831	6.29	0.00	1389465				



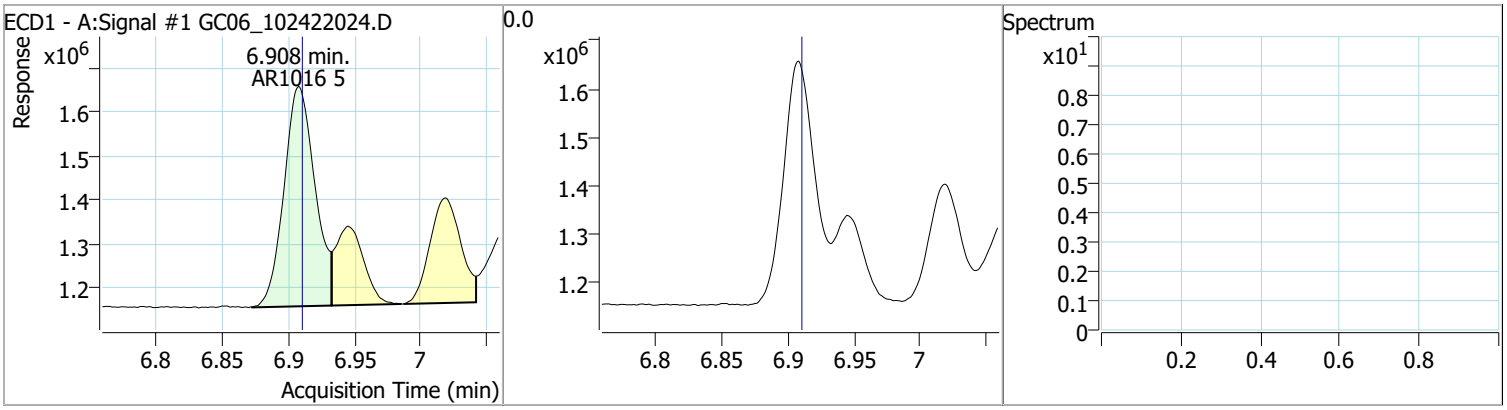
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	480.8388	6.43	0.00	1046664				



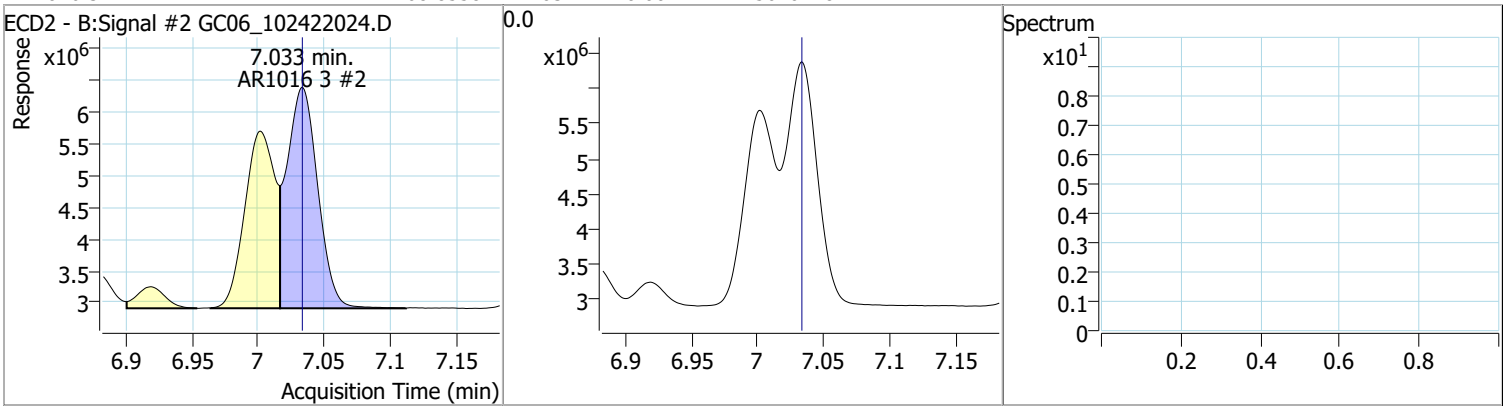
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	493.4972	6.45	0.00	3255640 (m)				



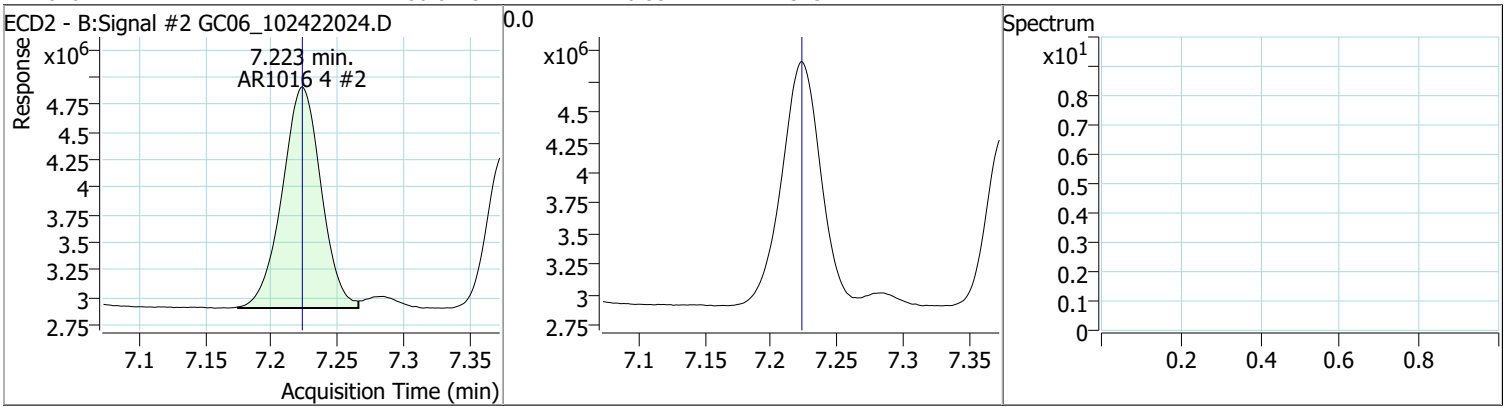
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	465.6509	6.91	0.00	816414				



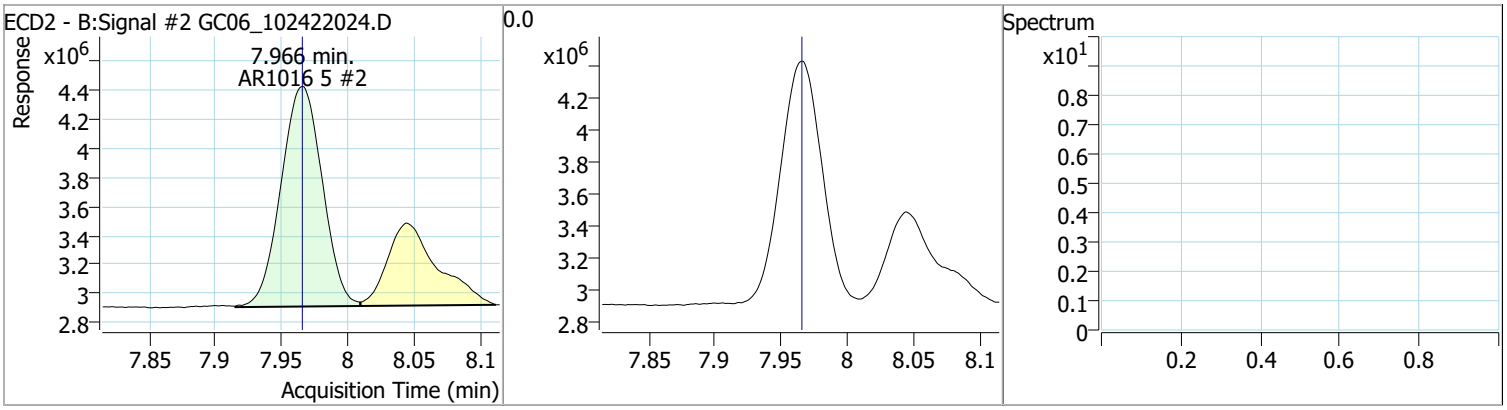
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	468.8558	7.03	0.00	5620148				



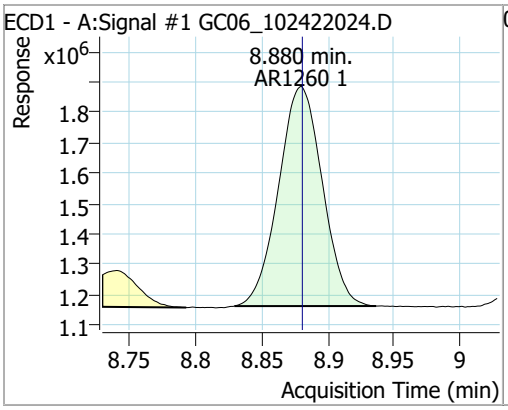
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	480.6445	7.22	0.00	4113157				

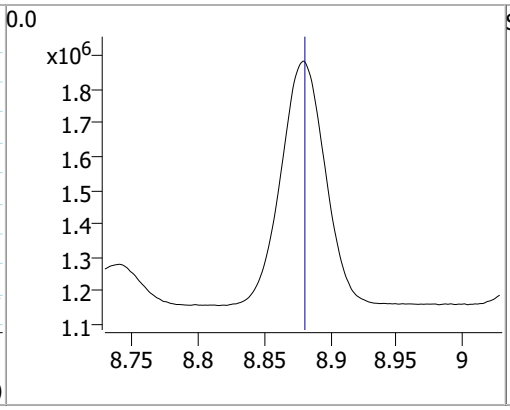


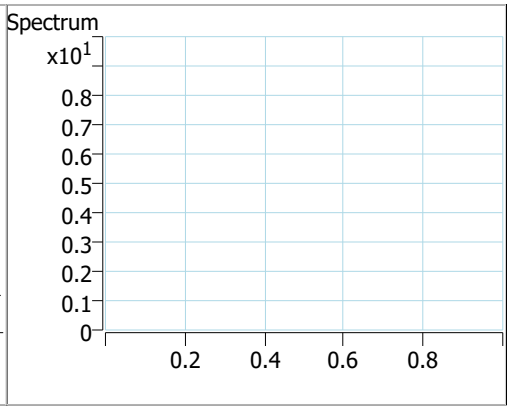
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	472.6461	7.97	0.00	3287720				



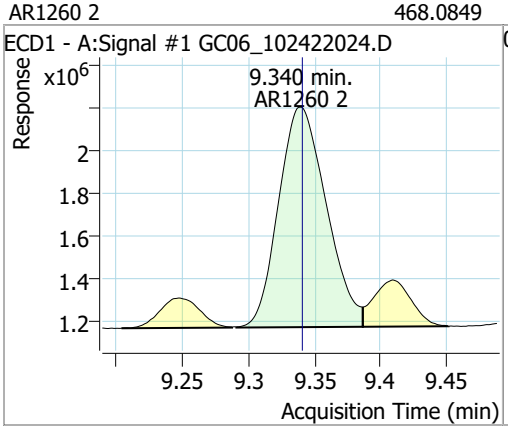
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	457.7841	8.88	0.00	1666464				

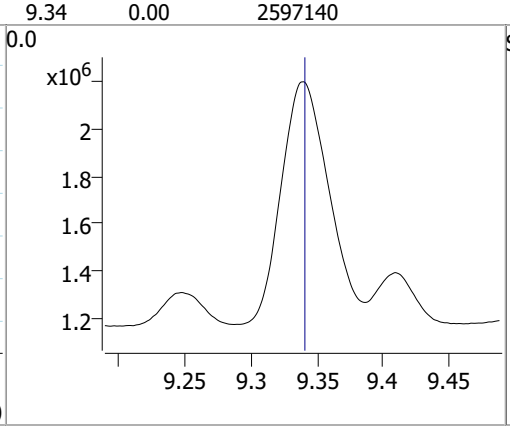


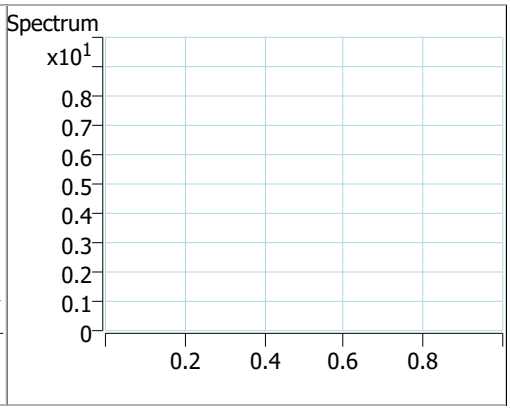




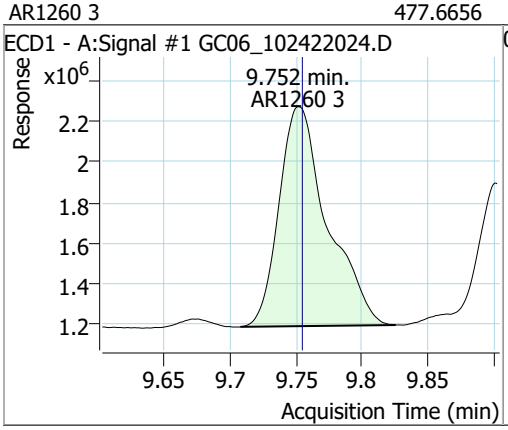
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	468.0849	9.34	0.00	2597140				

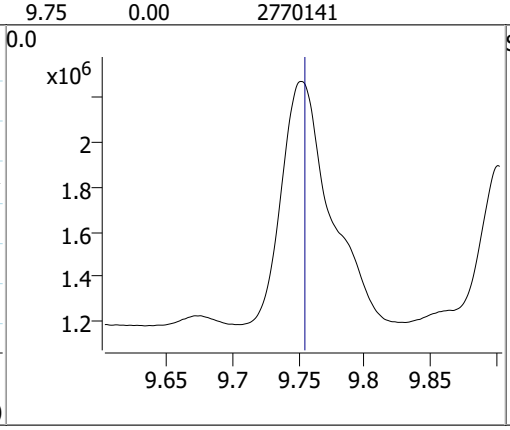


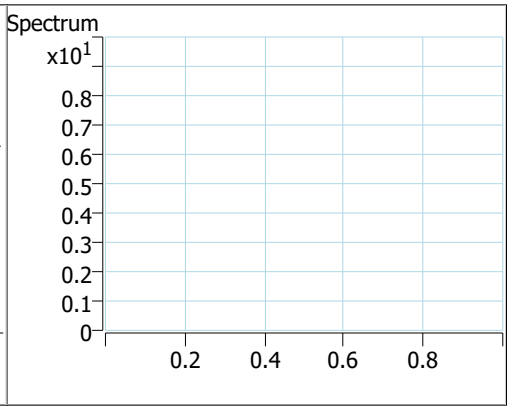




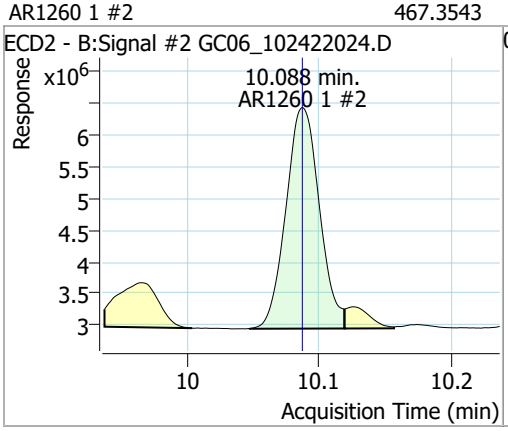
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	477.6656	9.75	0.00	2770141				

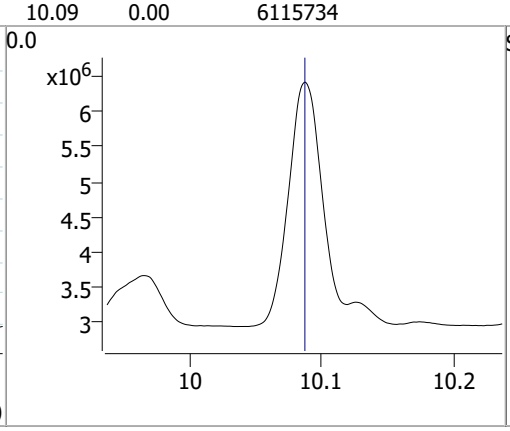


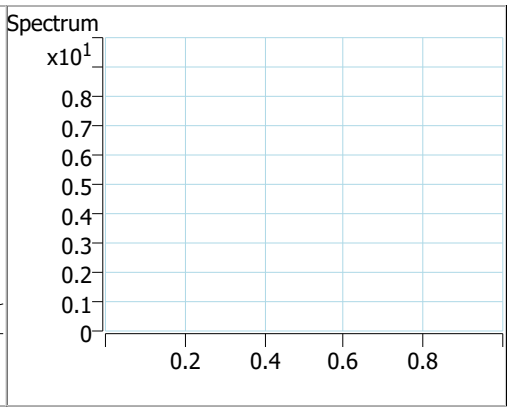




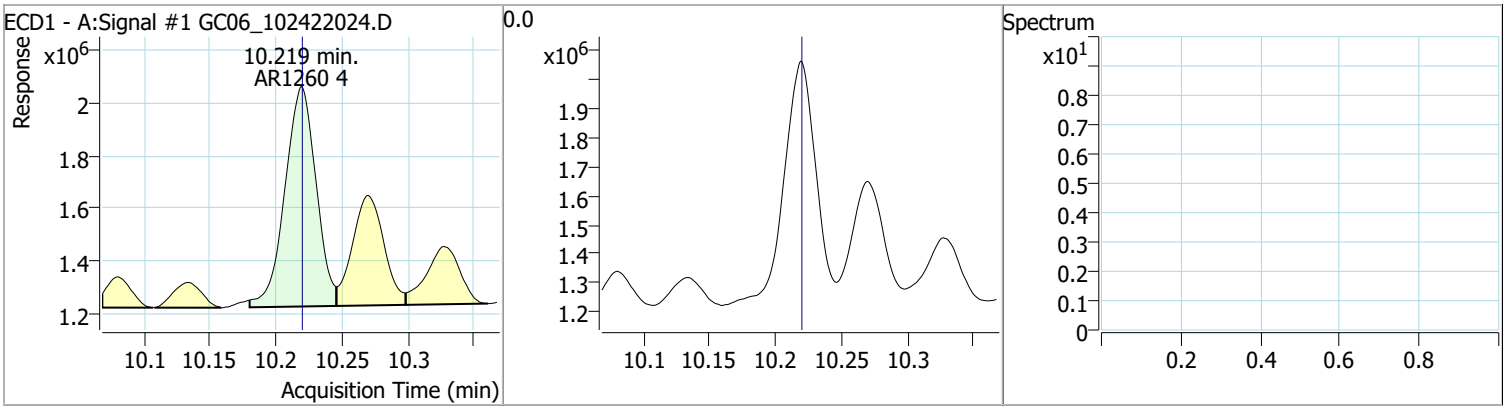
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	467.3543	10.09	0.00	6115734				



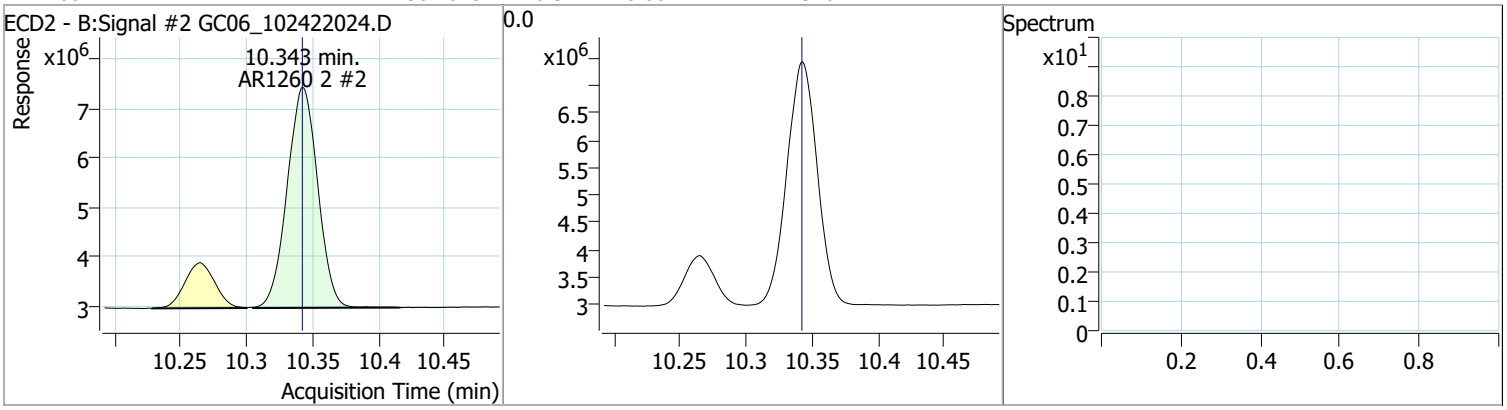




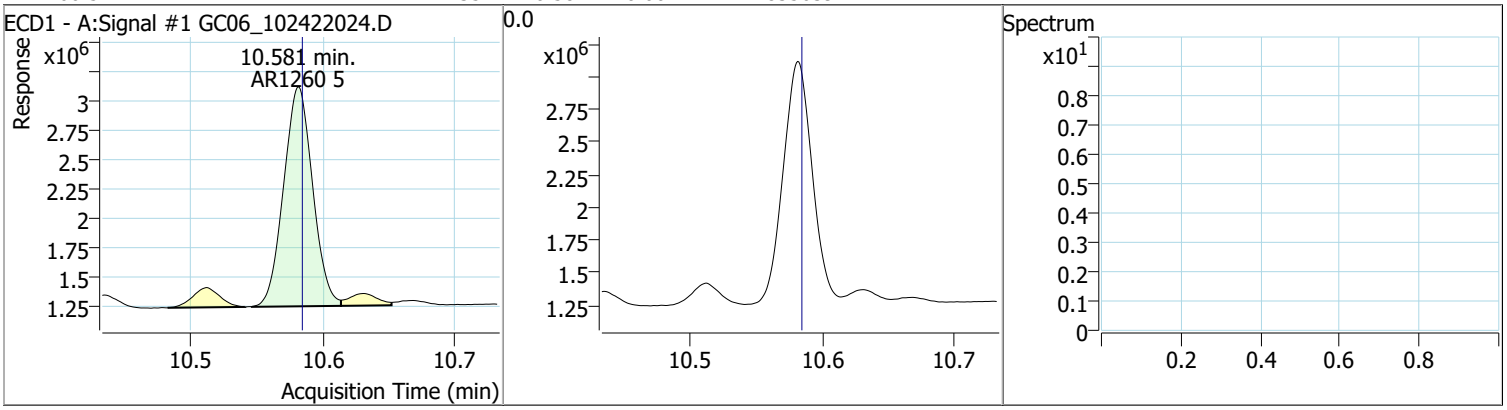
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	432.9684	10.22	0.00	1373501				



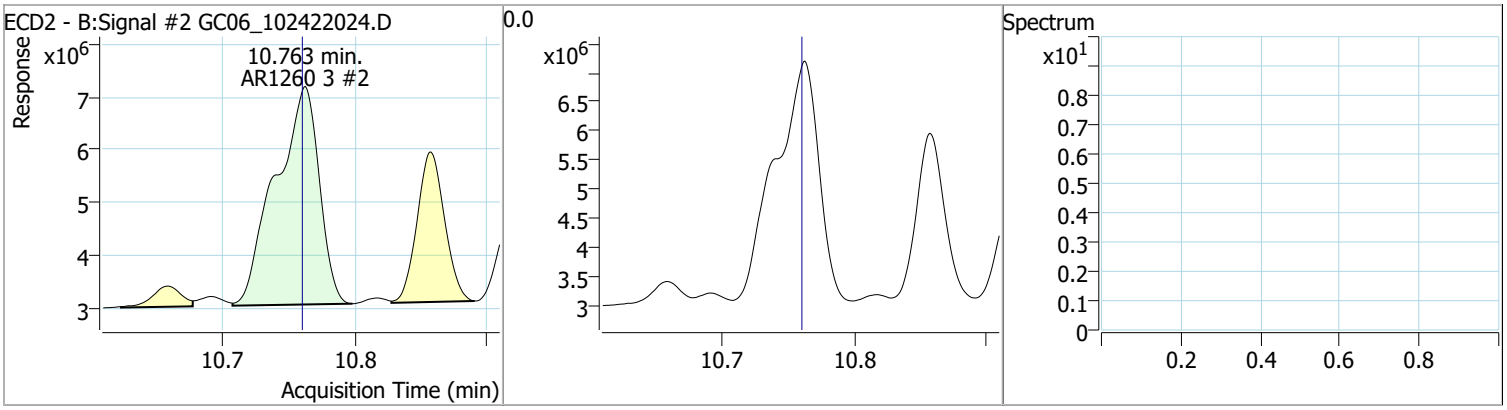
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	456.1048	10.34	0.00	7171316				



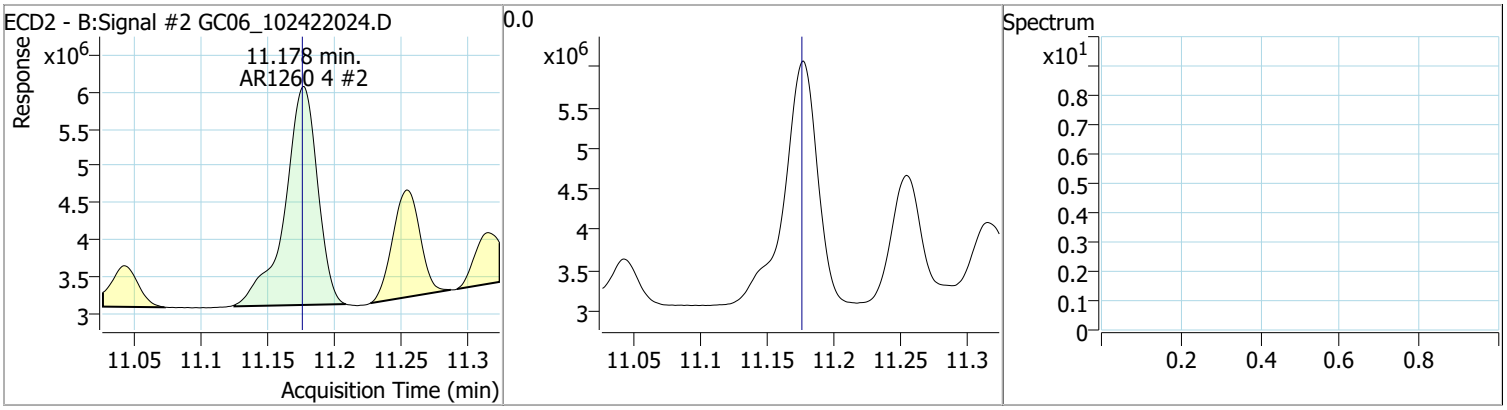
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	421.1135	10.58	0.00	2835639				



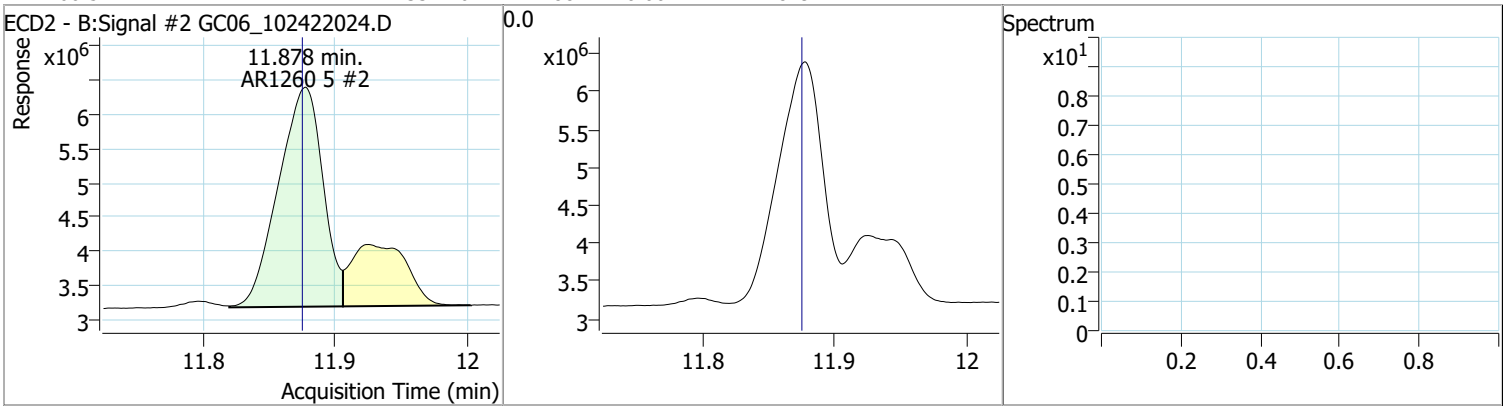
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	475.2419	10.76	0.00	9458174				



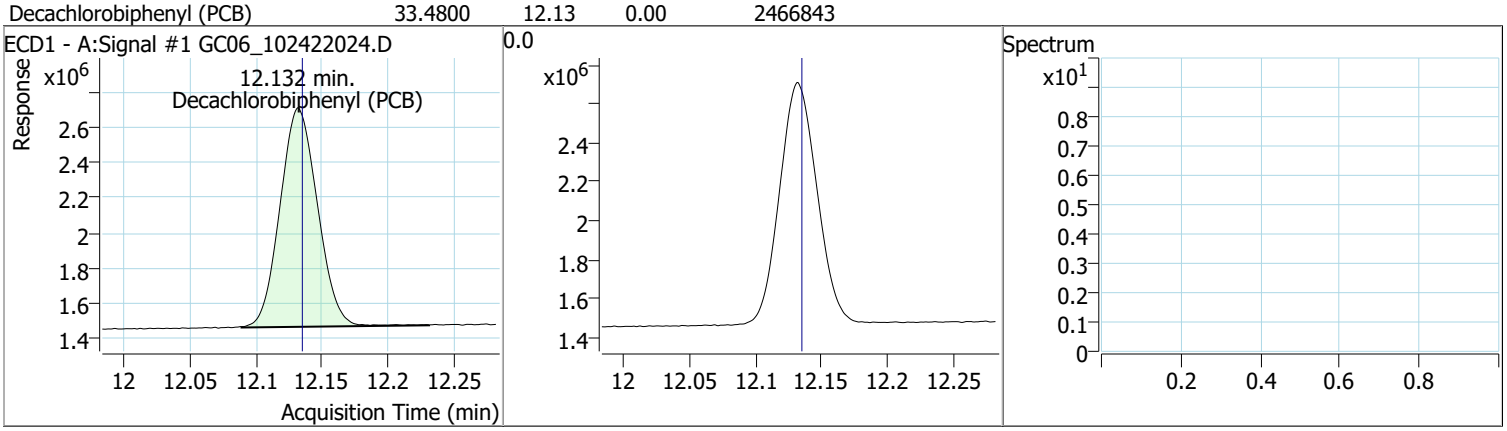
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	443.8244	11.18	0.00	5106289				



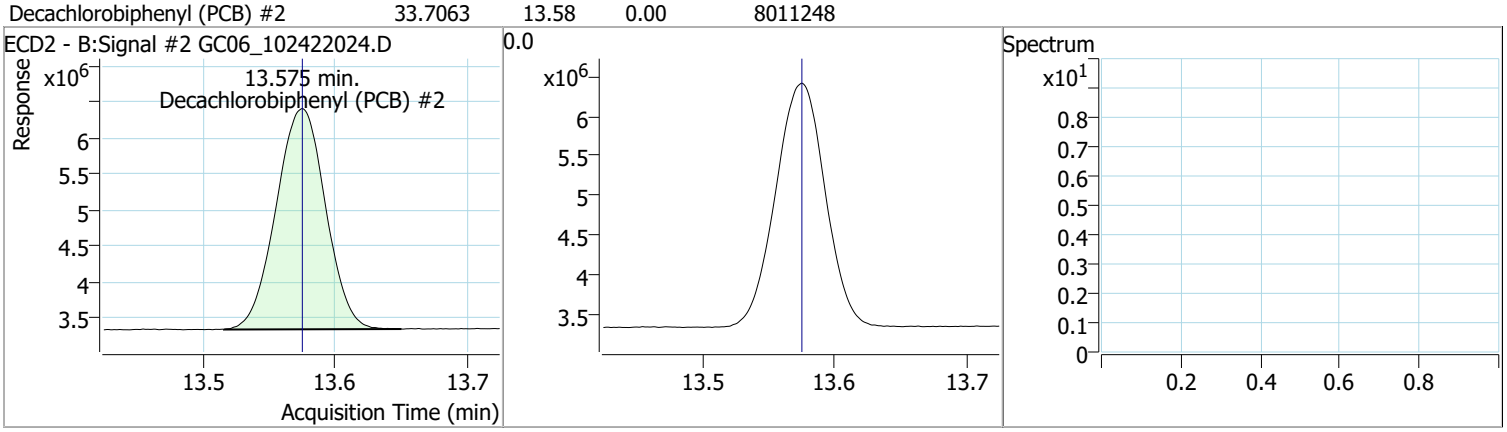
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	433.7764	11.88	0.00	7482914				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	33.4800	12.13	0.00	2466843				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	33.7063	13.58	0.00	8011248				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 474716 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452501809004	File:	gc06_121422004	Time:	14-DEC-2022 12:05
Cal:	452428510002	Caldate:	24-OCT-2022		

Standards: S17386

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	468.9	ug/L	-6	15	0.0000	
Aroclor-1260	A			500.0	412.2	ug/L	**-18**	15	0.0000	**c-** ***
Decachlorobiphenyl (PCB)	A	1.4080	1.6261	40.00	49.33	ug/L	**23**	15	0.0000	c+
TCMX (PCB)	A	0.9616	0.9530	40.00	39.64	ug/L	-1	15	0.0000	
Aroclor-1016	B			500.0	455.4	ug/L	-9	15	0.0000	
Aroclor-1260	B			500.0	435.5	ug/L	-13	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2084	1.2248	40.00	46.04	ug/L	15	15	0.0000	
TCMX (PCB)	B	0.9605	0.9269	40.00	38.60	ug/L	-3	15	0.0000	

ISTD (ICAL gc06_102422015)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4414084	5307613	20.24
1-bromo-2-nitrobenzene (PCB)	A	1096423	1103956	0.69

TRN 12/14/22 [Aroclor-1016 A]: Separated from coeluting peak for Ch. A.

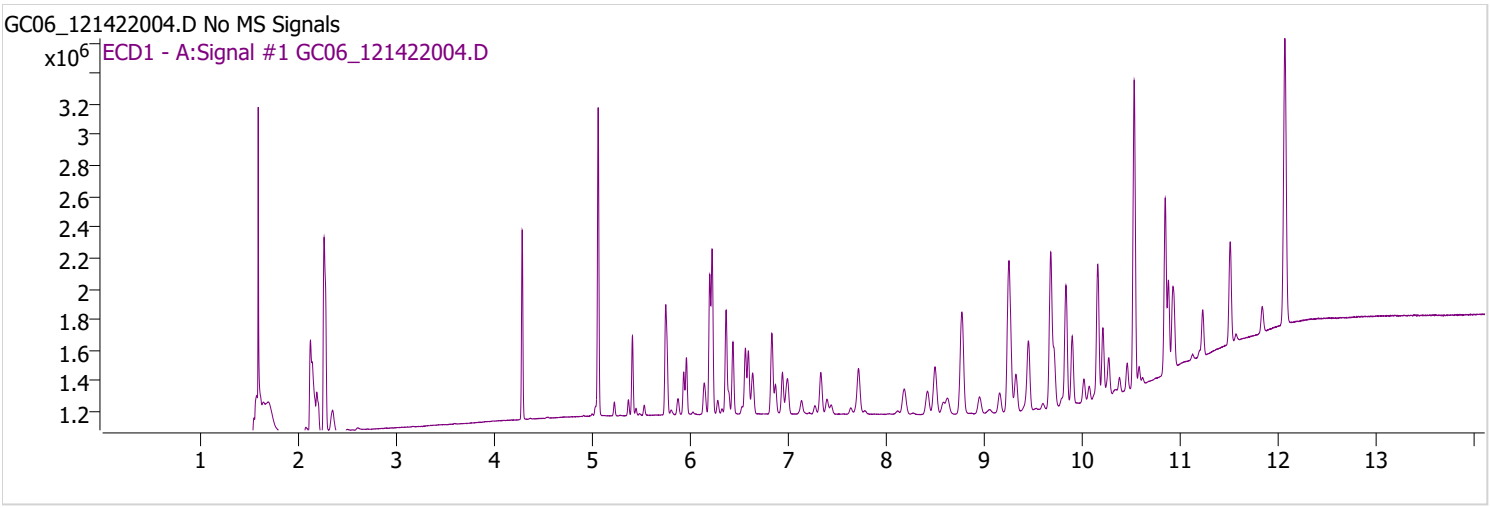
TRN 12/14/22 [1-bromo-2-nitrobenzene (PCB) A]: Corrected baseline noise or negative peak for all channels.

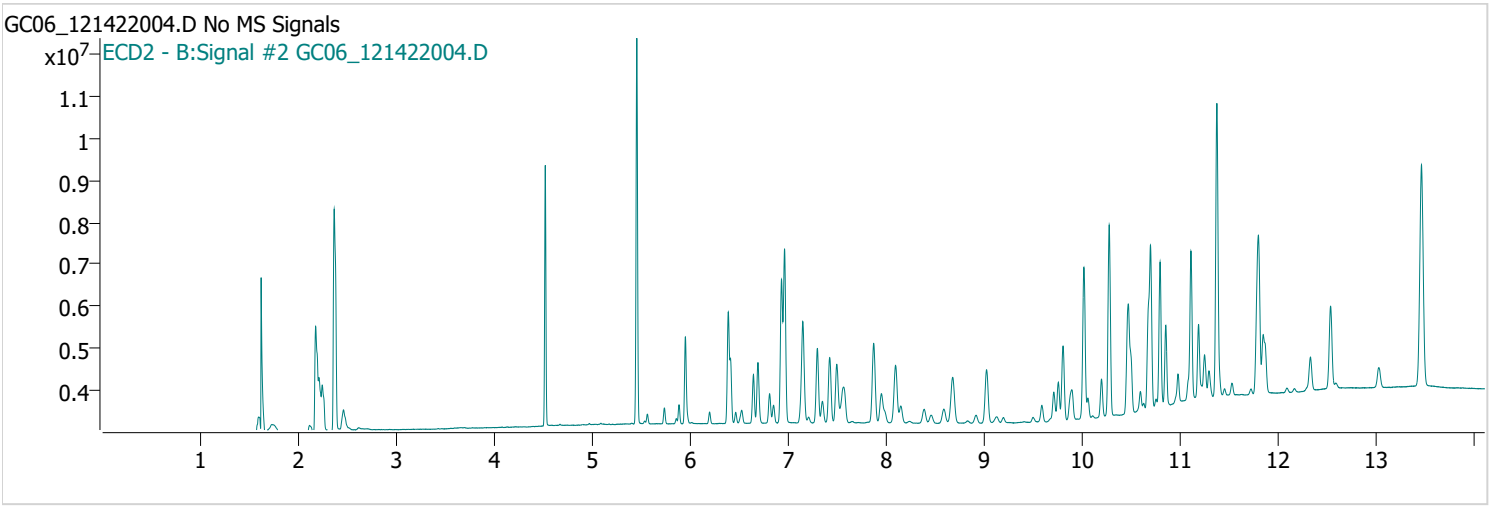
+=high bias -=low bias c=CCV

Analyst: TRN 12/14/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422004.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 12:05:41 PM
Sample Name	CCV, S17386	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



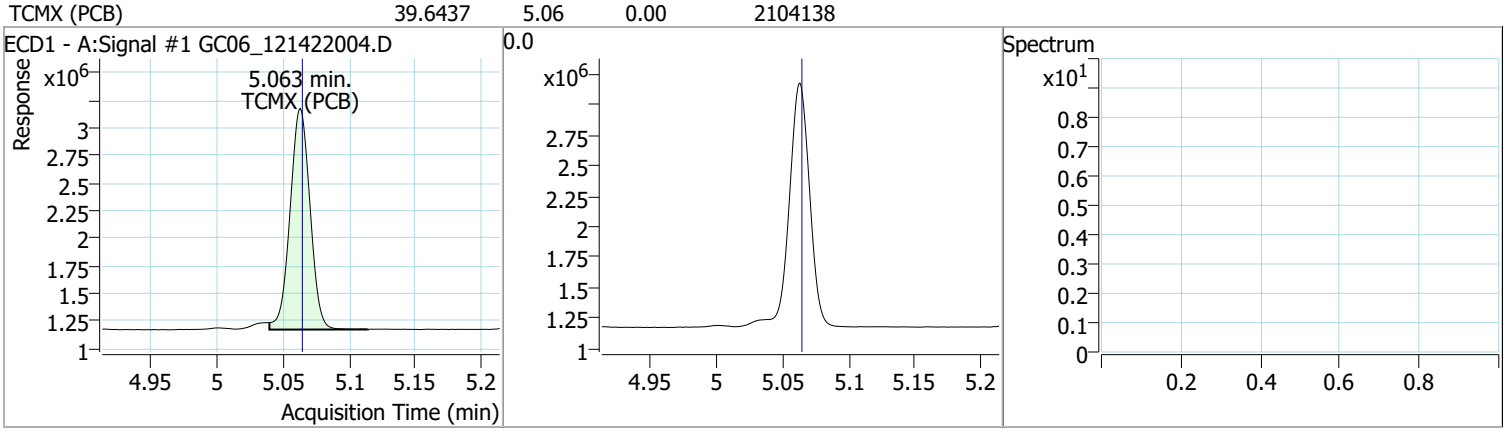


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.287	0.0	1103956.450	20.0000	ng/ml	m	0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.523	0.0	5307613.025	20.0000	ng/ml	m	0.000
System Monitoring Compounds							
S TCMX (PCB)	5.063	0.0	2104137.502	39.6437	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.22%		*	
S TCMX (PCB) #2	5.458	0.0	9839122.267	38.6006	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 193.00%		*	
S Decachlorobiphenyl (PCB)	12.078	0.0	3590203.930	49.3353	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 246.68%		*	
S Decachlorobiphenyl (PCB) #2	13.473	0.0	13001192.357	46.0455	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 230.23%		*	
Target Compounds							QValue

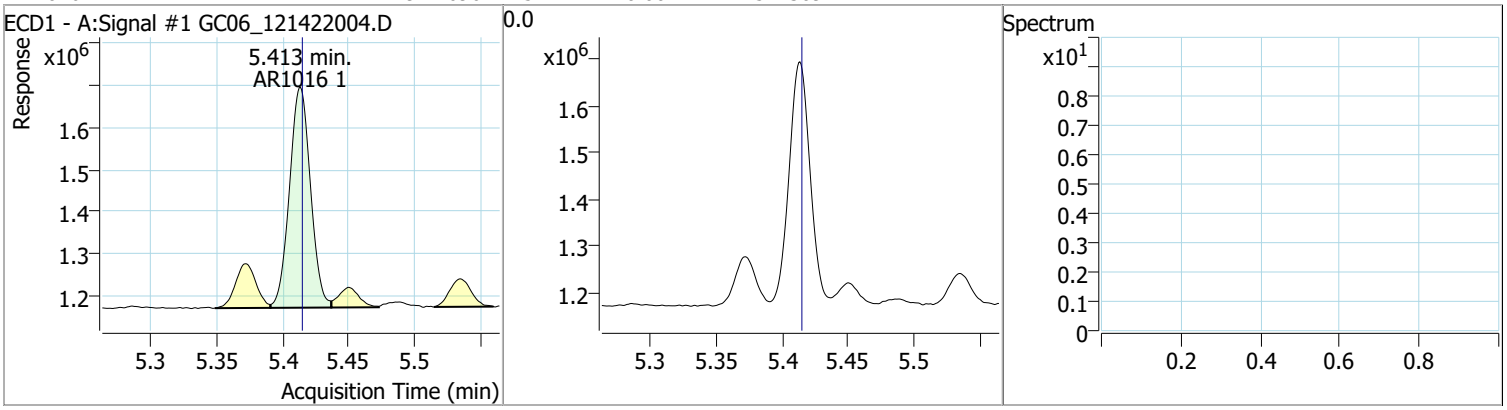
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.413	0.0	572308.580	494.4696	ng/ml		100
T AR1016 2	5.754	0.0	1220483.189	514.9438	ng/ml		100
T AR1016 1 #2	5.954	0.0	2721606.776	493.3739	ng/ml		100
T AR1016 3	6.227	0.0	1430020.556	487.3087	ng/ml		100
T AR1016 4	6.370	0.0	1023754.739	458.6946	ng/ml		100
T AR1016 2 #2	6.393	0.0	3838463.792	482.0340	ng/ml	m	100
T AR1016 5	6.567	0.0	699741.859	389.2455	ng/ml		100
T AR1016 3 #2	6.967	0.0	6700199.303	463.0748	ng/ml		100
T AR1016 4 #2	7.153	0.0	4917454.088	476.0592	ng/ml		100
T AR1016 5 #2	7.303	0.0	3045404.975	362.7089	ng/ml		100
T AR1260 1	8.778	0.0	1652845.156	442.8253	ng/ml		100
T AR1260 2	9.260	0.0	2481524.657	436.1977	ng/ml		100
T AR1260 3	9.686	0.0	2623701.227	441.2372	ng/ml		100
T AR1260 1 #2	10.025	0.0	6438562.952	407.6229	ng/ml		100
T AR1260 4	10.167	0.0	1575102.896	486.0813	ng/ml		100
T AR1260 2 #2	10.283	0.0	7597764.033	400.3349	ng/ml		100
T AR1260 3 #2	10.705	0.0	9211394.496	383.4465	ng/ml		100
T AR1260 5	10.856	0.0	1807484.638	254.9456	ng/ml		100
T AR1260 4 #2	11.118	0.0	5824655.486	418.1182	ng/ml		100
T AR1260 5 #2	11.383	0.0	11713482.104	568.0782	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

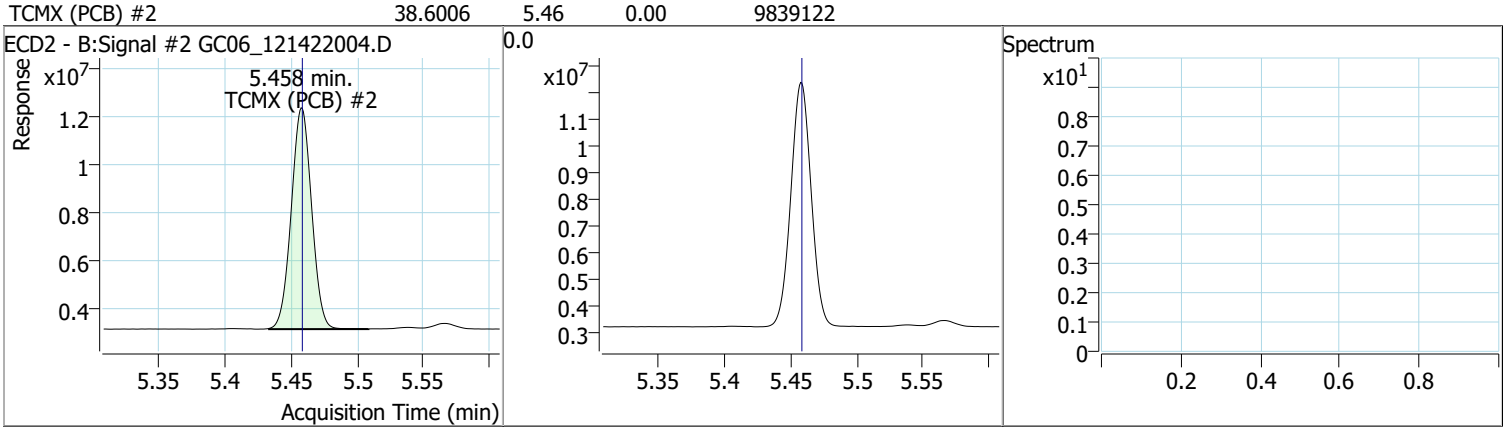
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.6437	5.06	0.00	2104138				



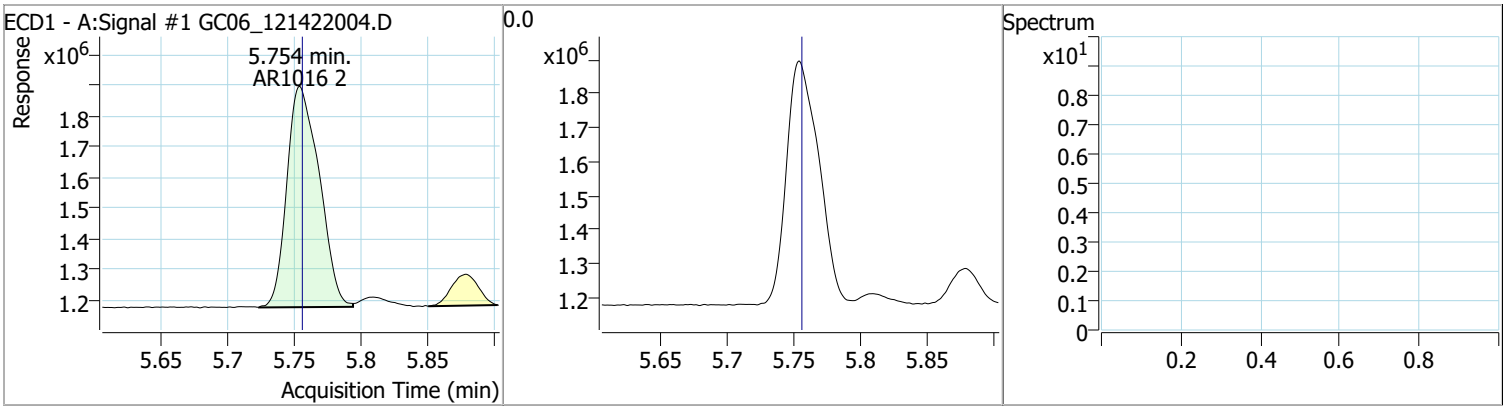
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	494.4696	5.41	0.00	572309				



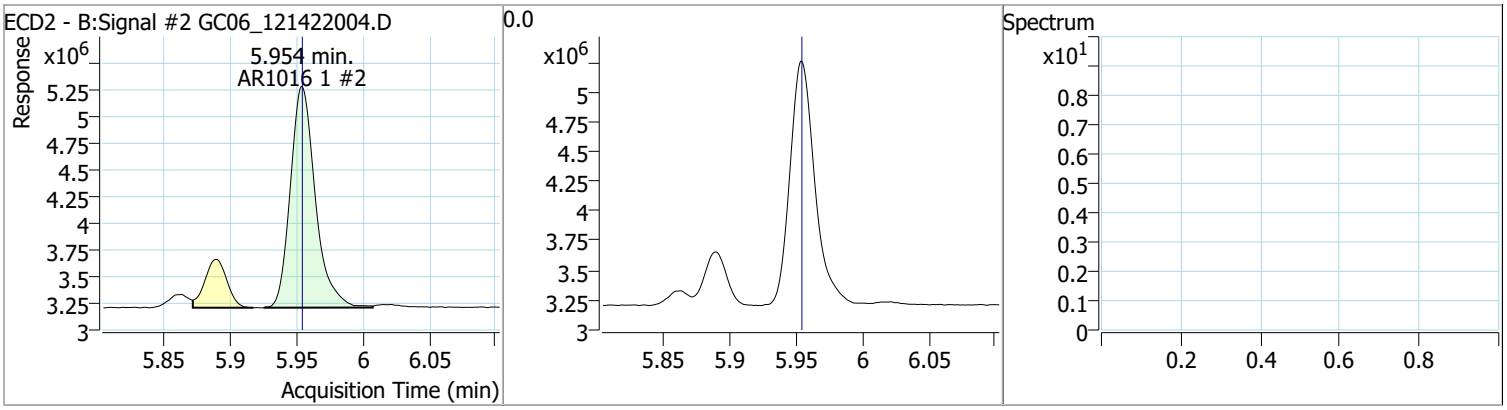
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	38.6006	5.46	0.00	9839122				



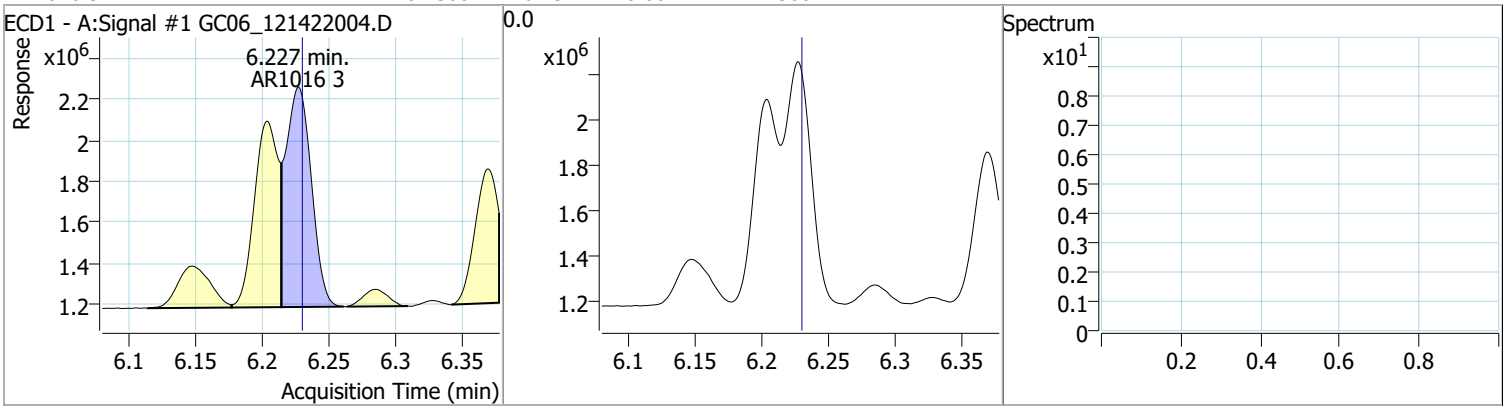
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	514.9438	5.75	0.00	1220483				



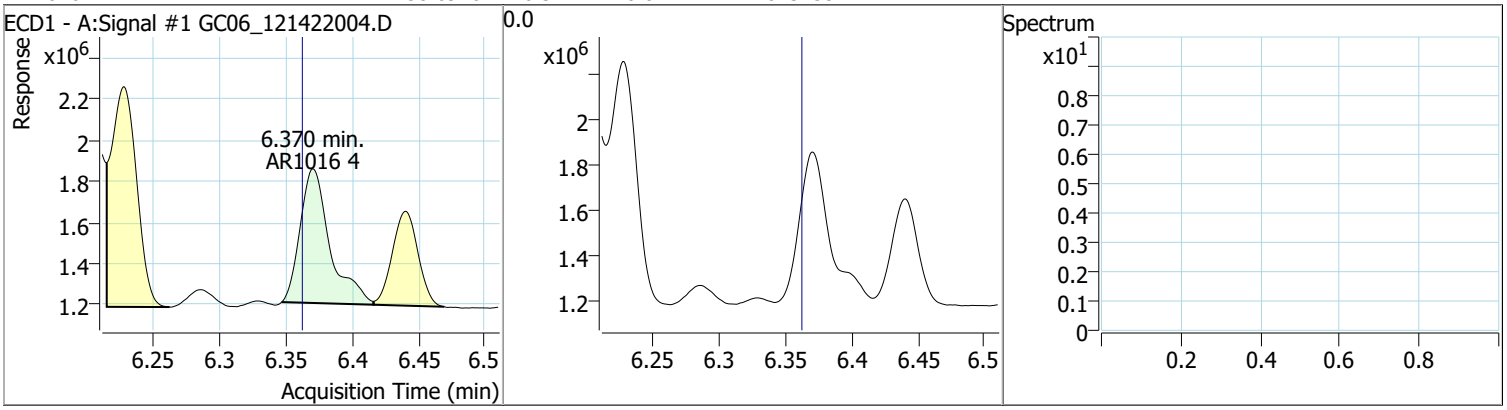
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	493.3739	5.95	0.00	2721607				



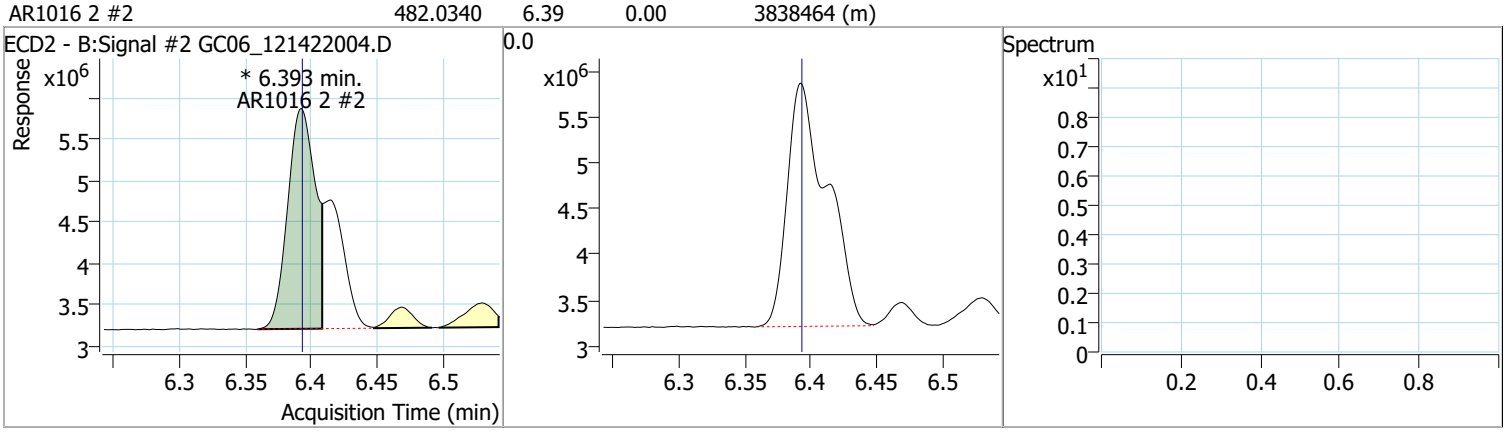
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	487.3087	6.23	0.00	1430021				



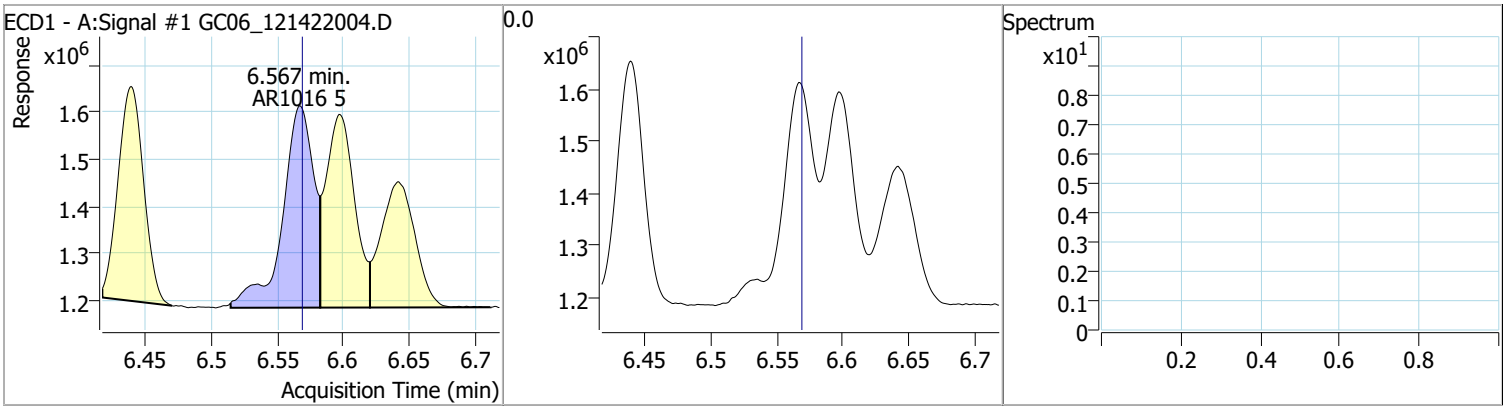
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	458.6946	6.37	0.01	1023755				



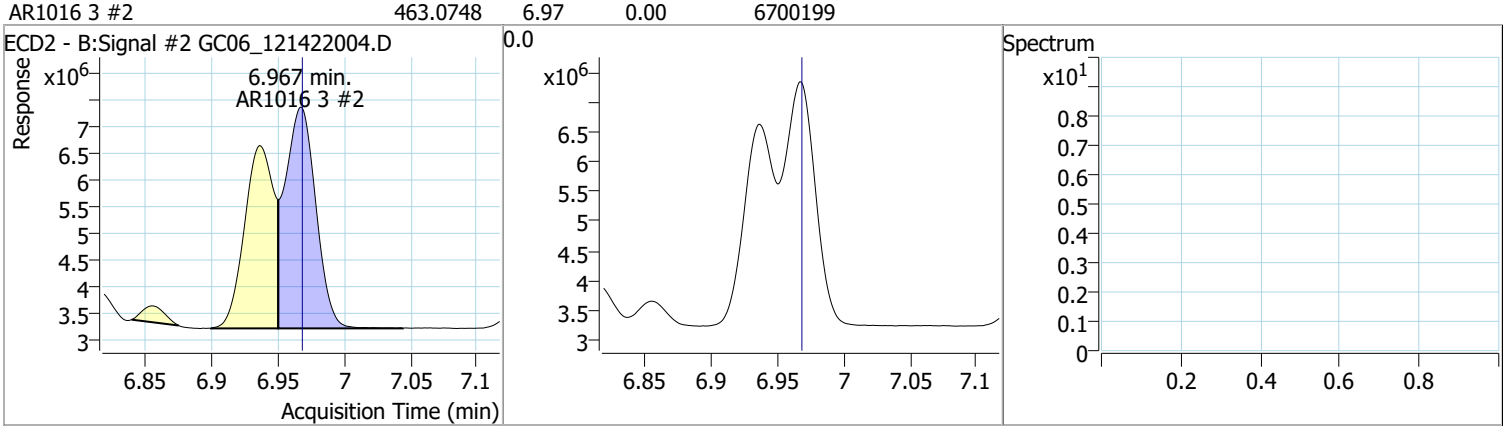
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	482.0340	6.39	0.00	3838464 (m)				



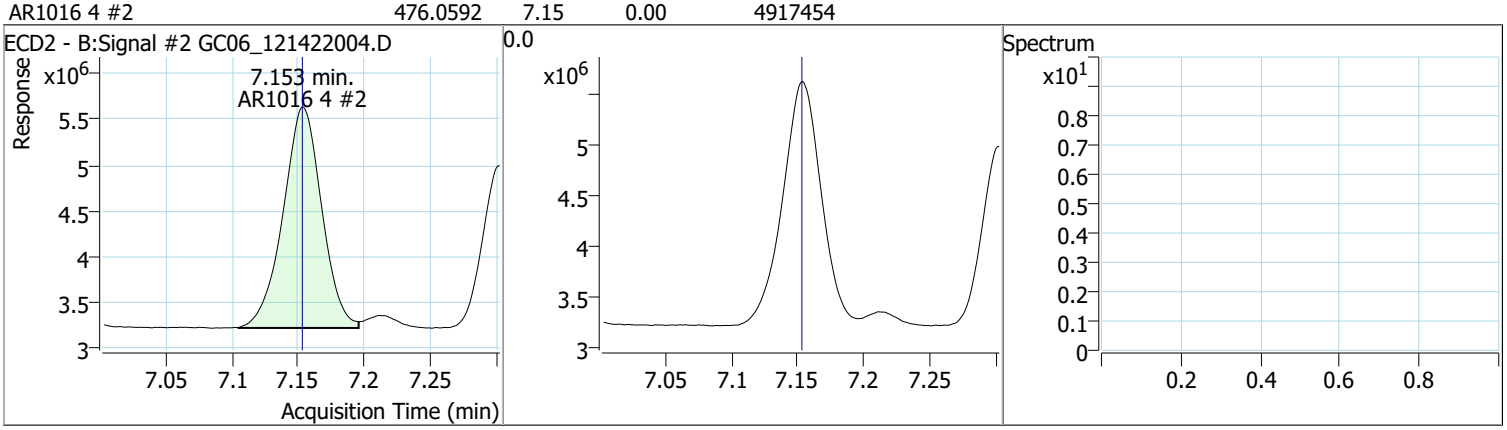
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	389.2455	6.57	0.00	699742				



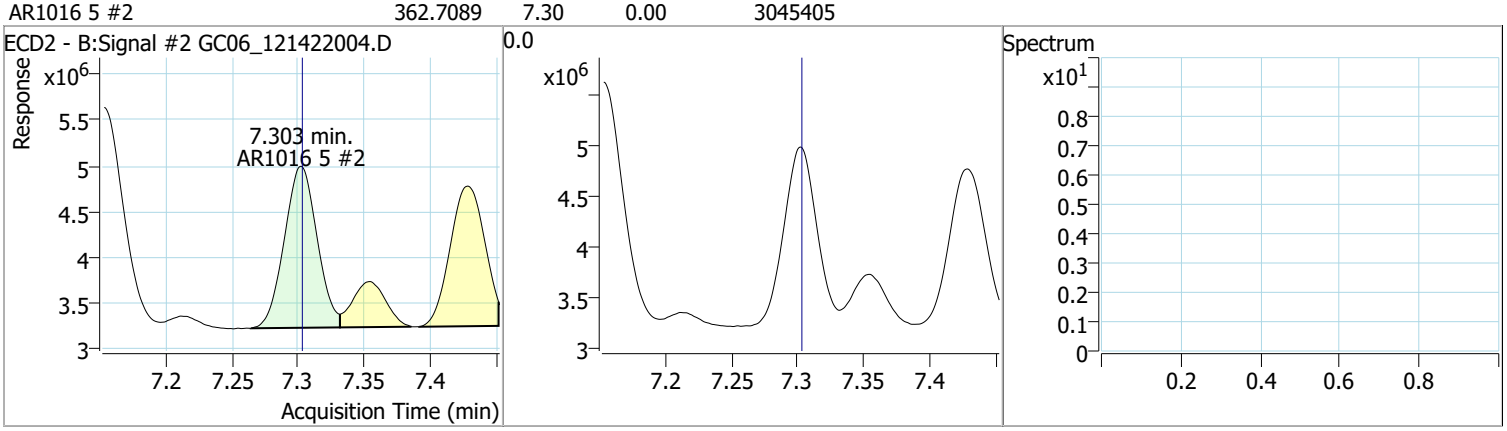
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	463.0748	6.97	0.00	6700199				



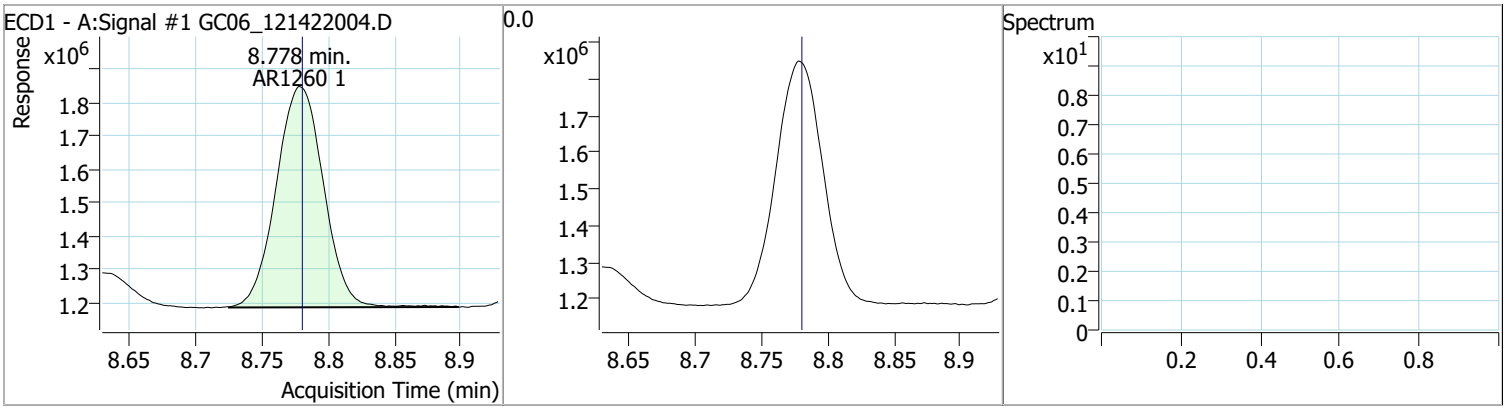
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	476.0592	7.15	0.00	4917454				



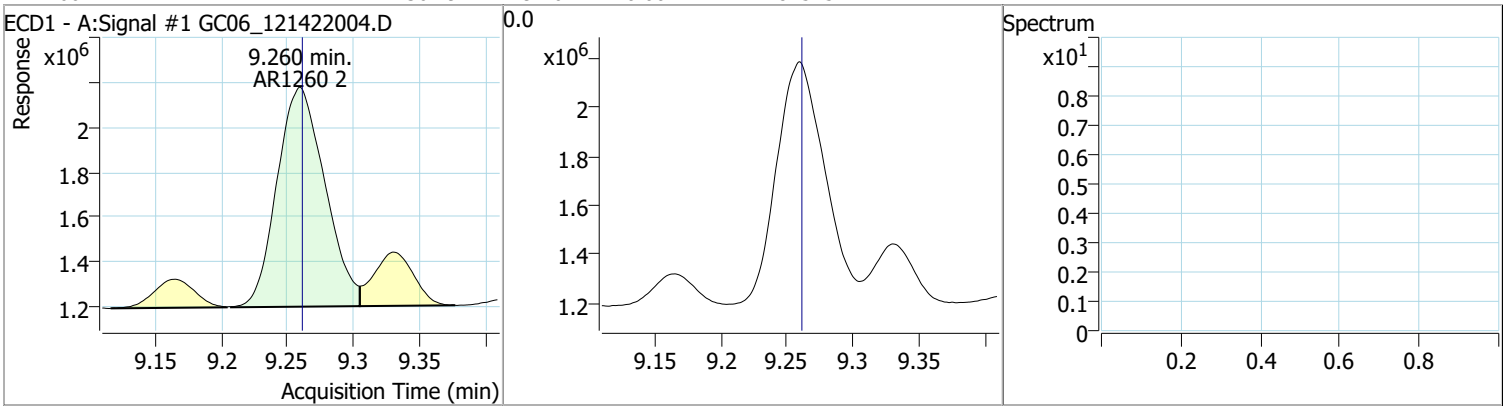
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	362.7089	7.30	0.00	3045405				



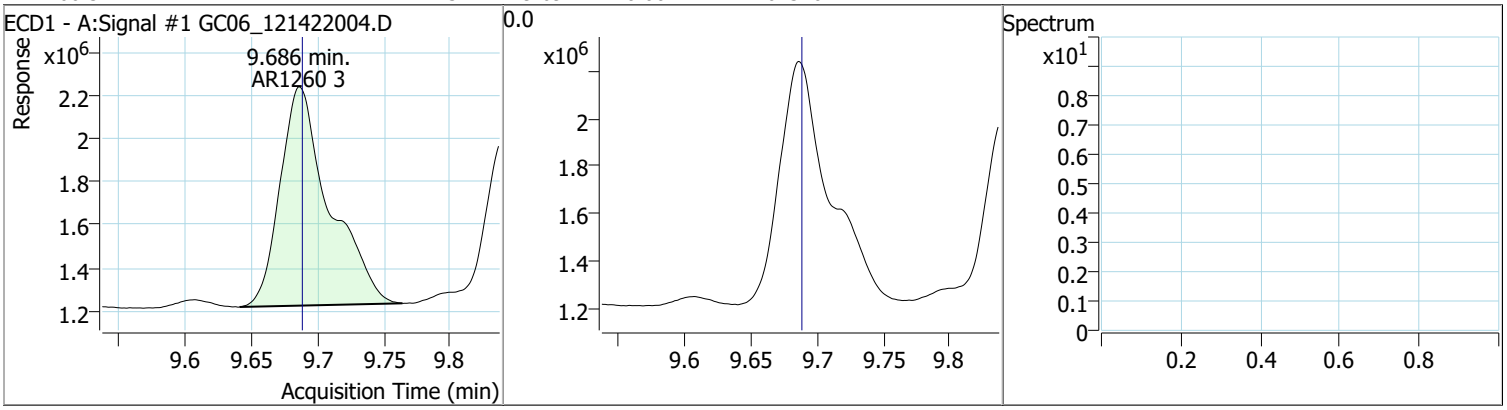
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	442.8253	8.78	0.00	1652845				



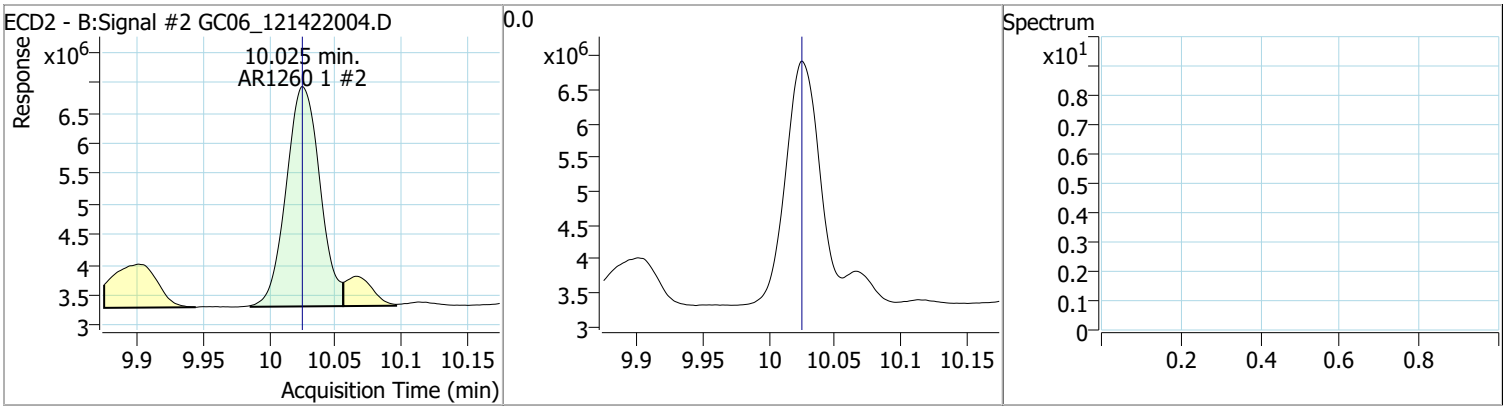
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	436.1977	9.26	0.00	2481525				



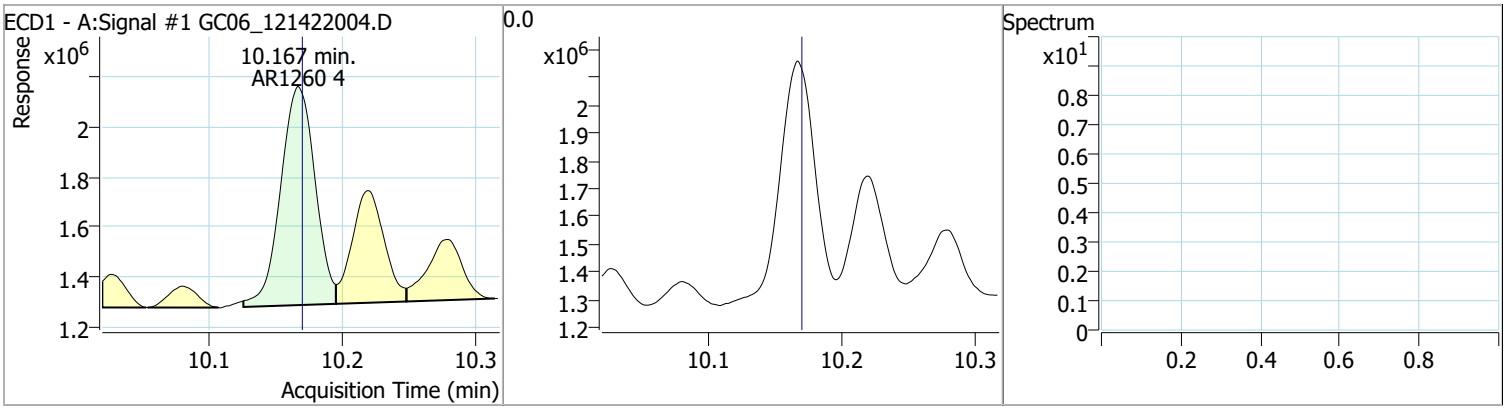
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	441.2372	9.69	0.00	2623701				



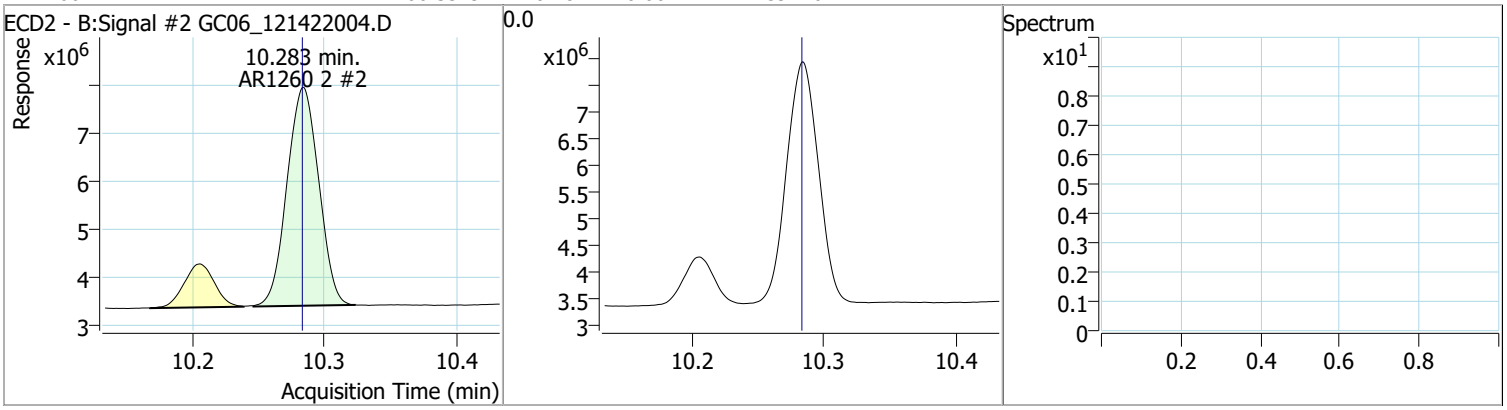
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	407.6229	10.03	0.00	6438563				



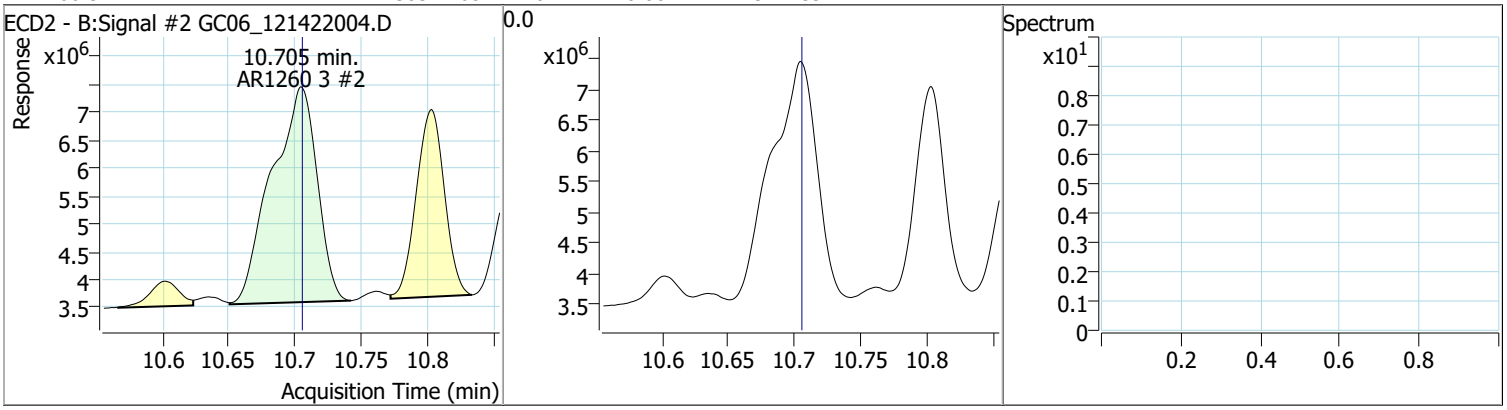
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	486.0813	10.17	0.00	1575103				



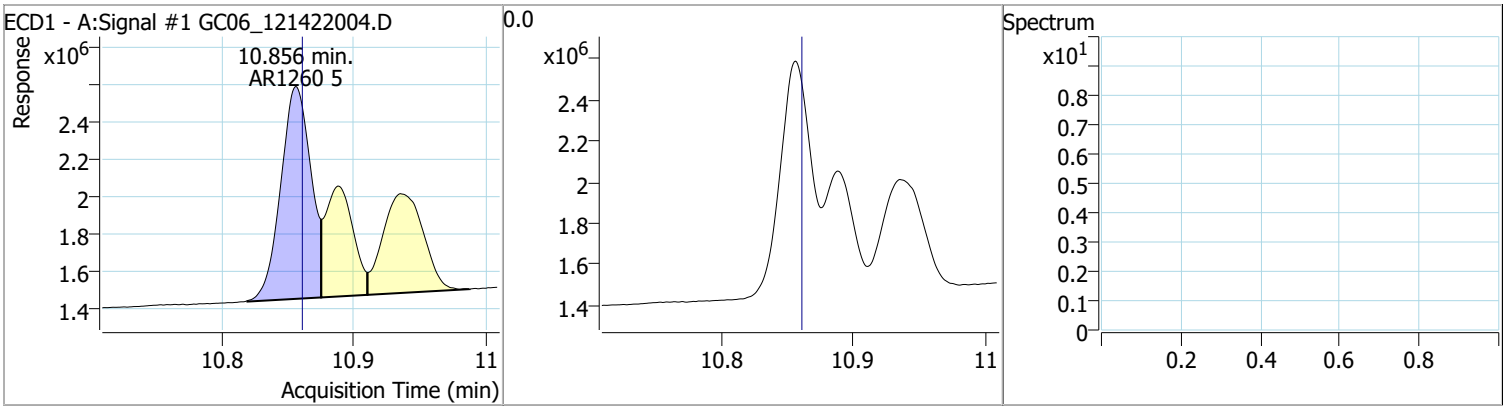
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	400.3349	10.28	0.00	7597764				



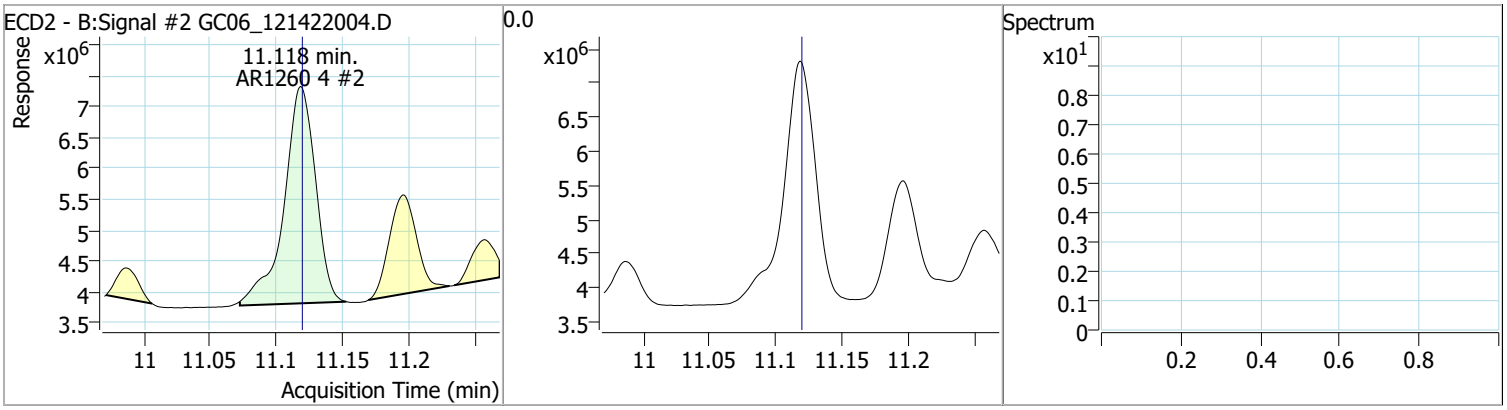
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	383.4465	10.71	0.00	9211394				



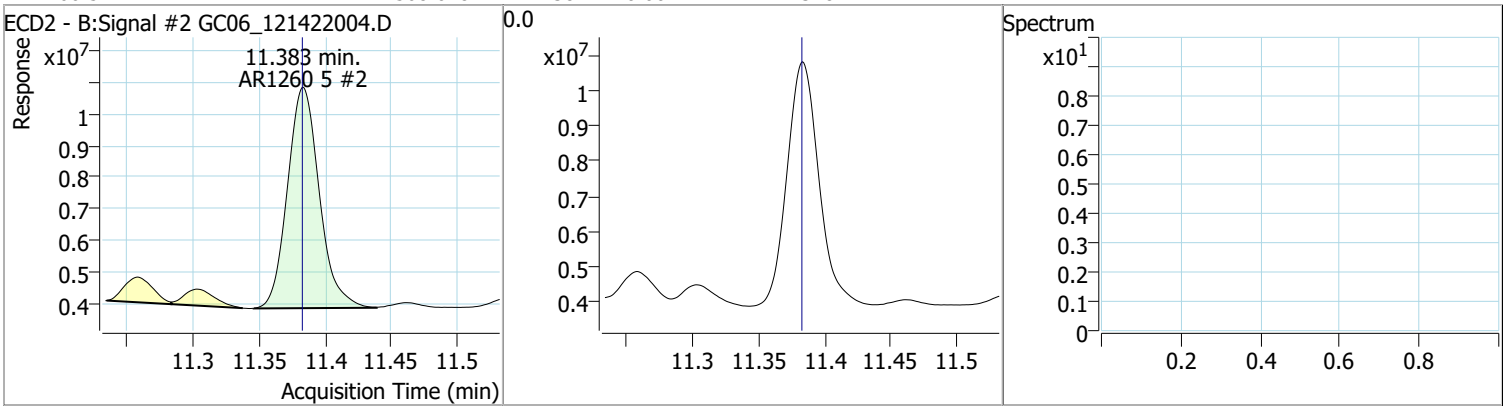
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	254.9456	10.86	0.00	1807485				



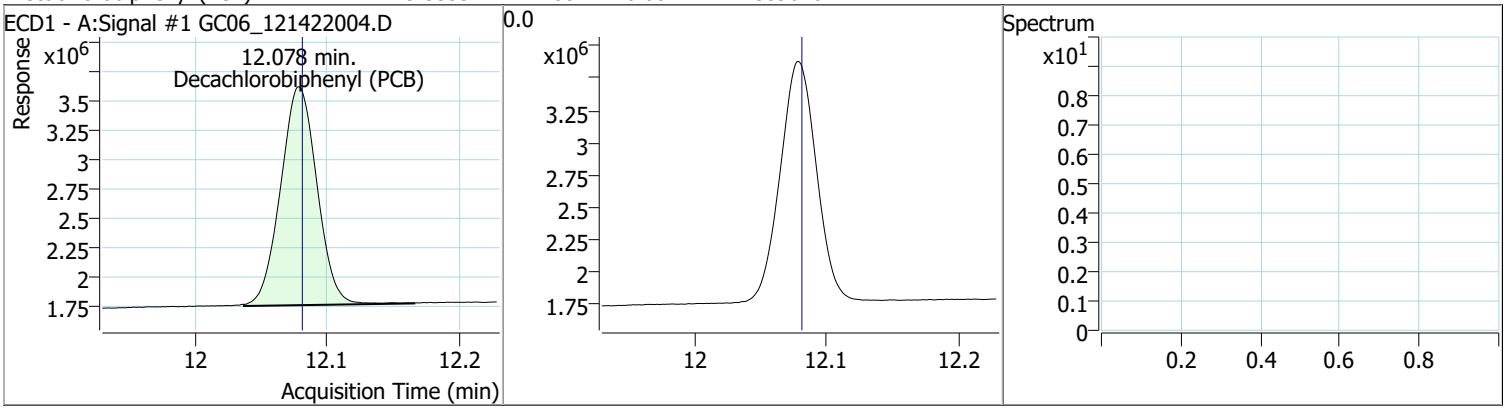
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	418.1182	11.12	0.00	5824655				



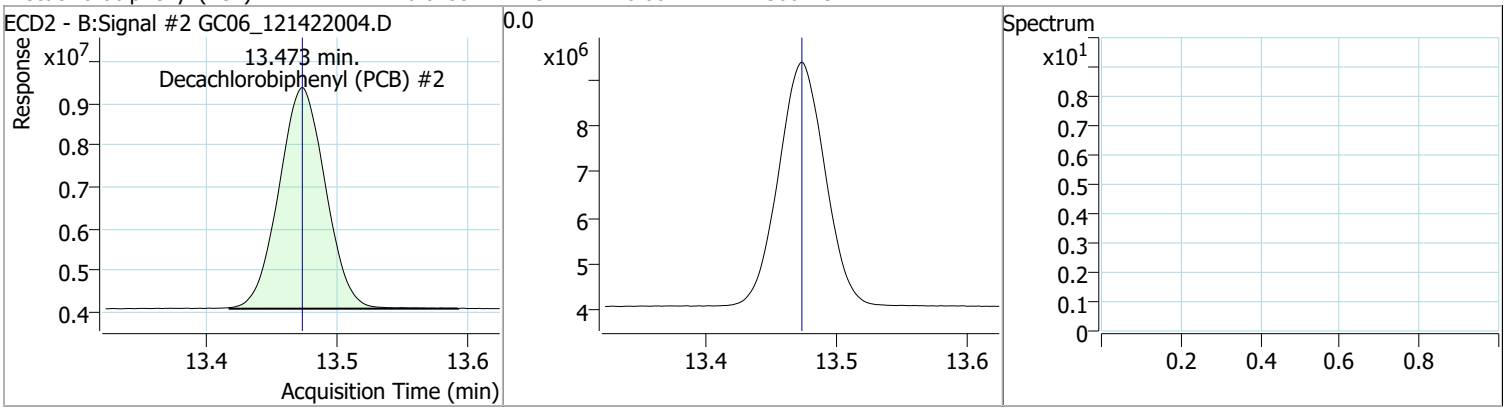
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	568.0782	11.38	0.00	11713482				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	49.3353	12.08	0.00	3590204				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	46.0455	13.47	0.00	13001192				



ENTHALPY CONTINUING CALIBRATION FOR 474716 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452501809036	File:	gc06_121422036	Time:	14-DEC-2022 22:46
Cal:	452428510002	Caldate:	24-OCT-2022		

Standards: S17386

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	455.9	ug/L	-9	15	0.0000	
Aroclor-1260	A			500.0	410.5	ug/L	**-18**	15	0.0000	c- ***
Decachlorobiphenyl (PCB)	A	1.4080	1.6604	40.00	50.47	ug/L	**26**	15	0.0000	c+
TCMX (PCB)	A	0.9616	0.9149	40.00	38.06	ug/L	-5	15	0.0000	
Aroclor-1016	B			500.0	454.3	ug/L	-9	15	0.0000	
Aroclor-1260	B			500.0	453.4	ug/L	-9	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2084	1.2913	40.00	48.66	ug/L	**22**	15	0.0000	c+
TCMX (PCB)	B	0.9605	0.9121	40.00	37.98	ug/L	-5	15	0.0000	

ISTD (ICAL gc06_102422015)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4414084	5560467	25.97
1-bromo-2-nitrobenzene (PCB)	A	1096423	1170615	6.77

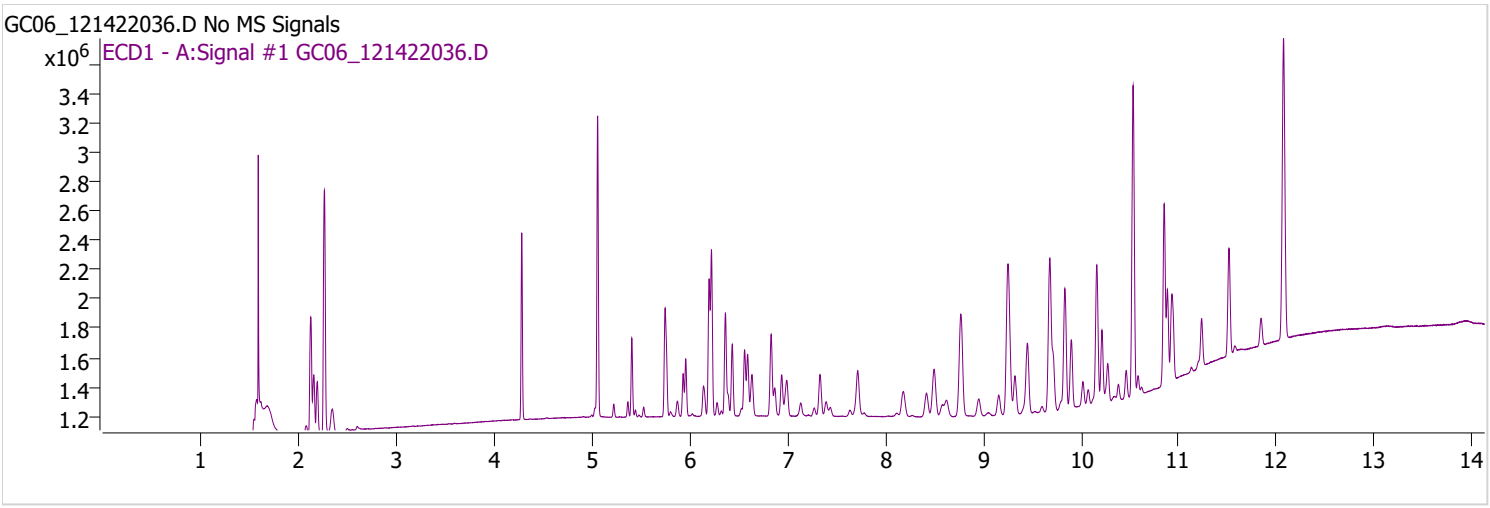
MES 12/15/22 [Aroclor-1016 B]: Separated from coeluting peak for Ch. B.

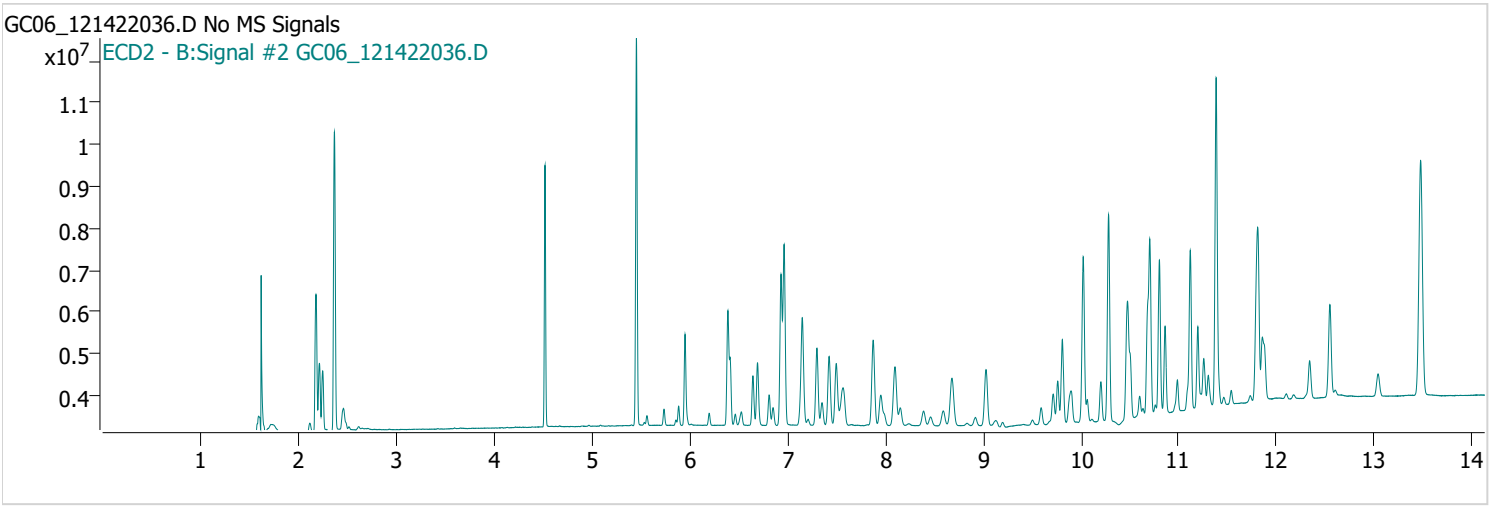
+=high bias -=low bias c=CCV

Analyst: MES 12/15/22 **Reviewer:** LW 12/15/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_121422036.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/14/2022 10:46:13 PM
Sample Name	CCV, S17386	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_11.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	121422PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



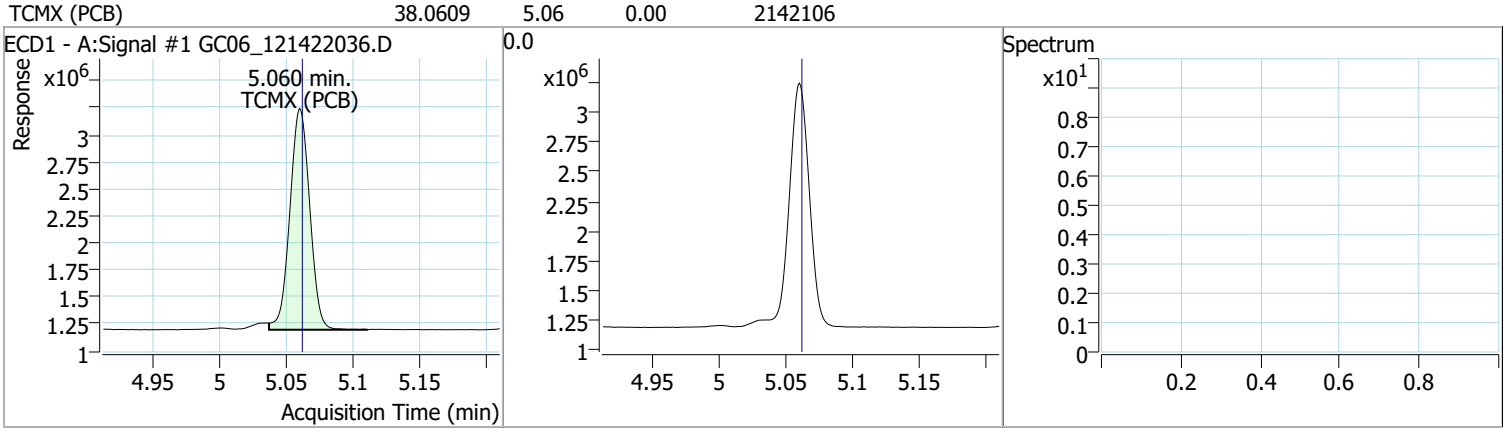


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	1170614.891	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.523	0.0	5560466.743	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.060	0.0	2142105.786	38.0609	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 190.30%		*	
S TCMX (PCB) #2	5.457	0.0	10143002.715	37.9833	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 189.92%		*	
S Decachlorobiphenyl (PCB)	12.070	0.0	3887450.334	50.4694	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 252.35%		*	
S Decachlorobiphenyl (PCB) #2	13.471	0.0	14360207.132	48.6607	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 243.30%		*	
Target Compounds							QValue

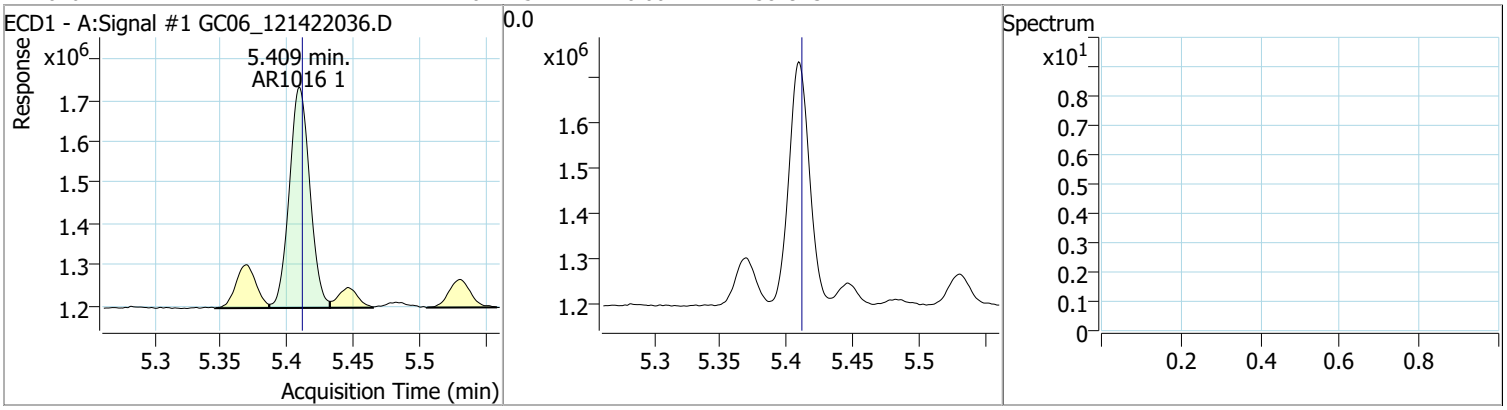
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.409	0.0	581923.263	474.1470	ng/ml		100
T AR1016 2	5.750	0.0	1240467.750	492.9343	ng/ml		100
T AR1016 1 #2	5.953	0.0	2803596.784	485.1257	ng/ml		100
T AR1016 3	6.223	0.0	1485471.598	477.3799	ng/ml		100
T AR1016 4	6.366	0.0	1142611.085	482.7964	ng/ml		100
T AR1016 2 #2	6.392	0.0	4003829.191	479.9365	ng/ml	m	100
T AR1016 5	6.562	0.0	671733.158	352.3874	ng/ml		100
T AR1016 3 #2	6.966	0.0	7071121.104	466.4872	ng/ml		100
T AR1016 4 #2	7.152	0.0	5119860.779	473.1151	ng/ml		100
T AR1016 5 #2	7.302	0.0	3228212.132	366.9976	ng/ml		100
T AR1260 1	8.772	0.0	1715585.022	433.4614	ng/ml		100
T AR1260 2	9.255	0.0	2611796.697	432.9543	ng/ml		100
T AR1260 3	9.682	0.0	2780301.428	440.9482	ng/ml		100
T AR1260 1 #2	10.023	0.0	6971544.602	421.2953	ng/ml		100
T AR1260 4	10.162	0.0	1666849.357	485.0722	ng/ml		100
T AR1260 2 #2	10.282	0.0	8492123.601	427.1122	ng/ml		100
T AR1260 3 #2	10.703	0.0	9880429.306	392.5936	ng/ml		100
T AR1260 5	10.850	0.0	1953045.681	260.1344	ng/ml		100
T AR1260 4 #2	11.117	0.0	6295125.783	432.0895	ng/ml		100
T AR1260 5 #2	11.381	0.0	12813113.069	593.9738	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

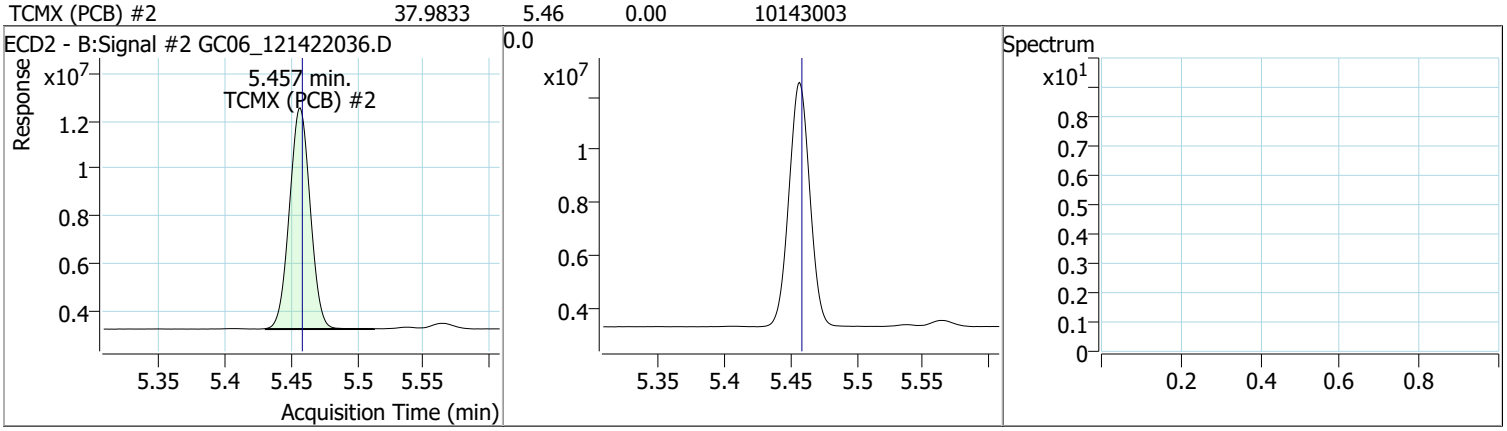
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	38.0609	5.06	0.00	2142106				



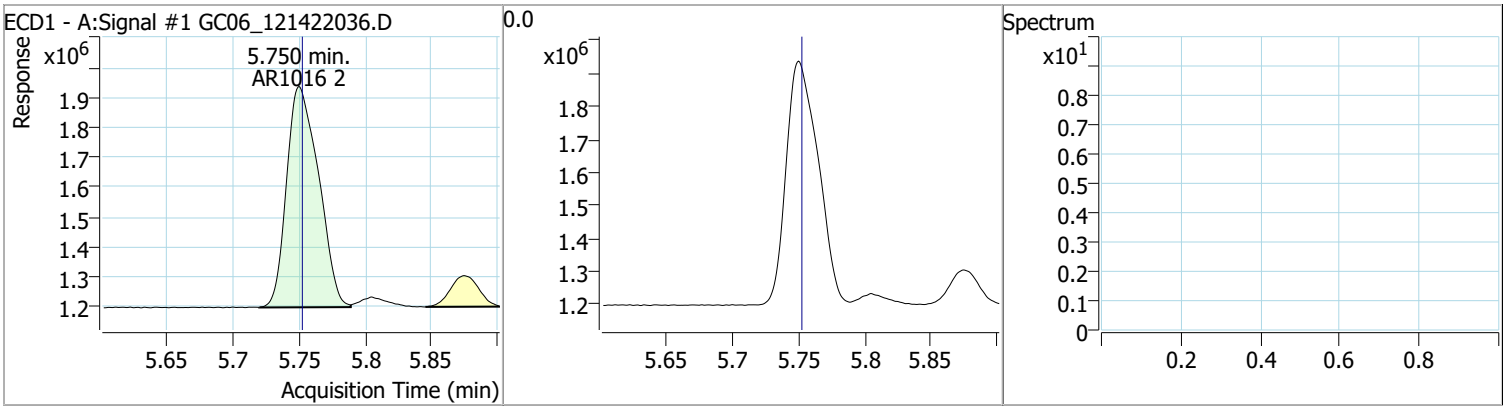
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	474.1470	5.41	0.00	581923				



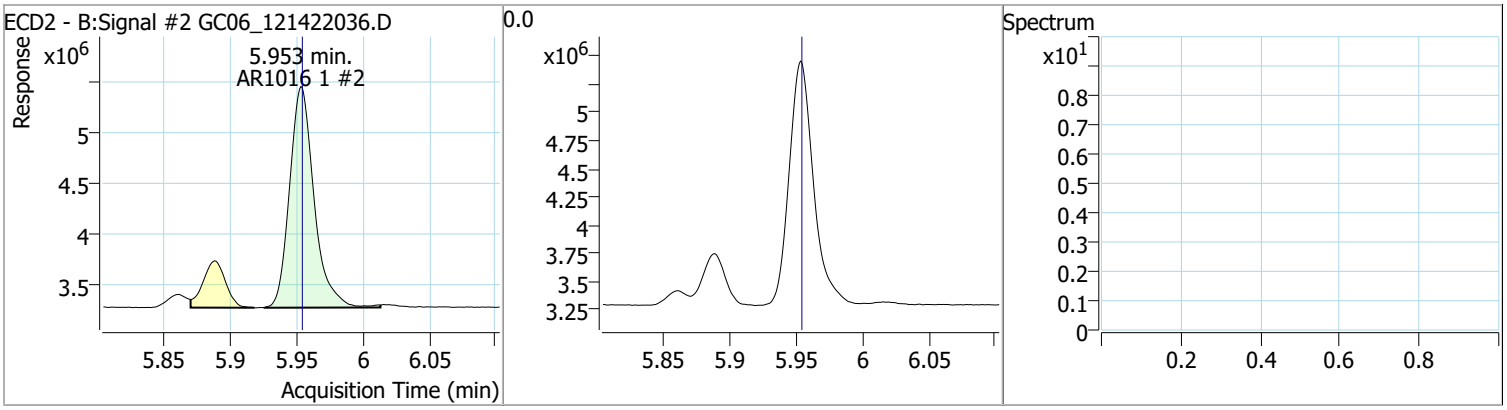
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.9833	5.46	0.00	10143003				



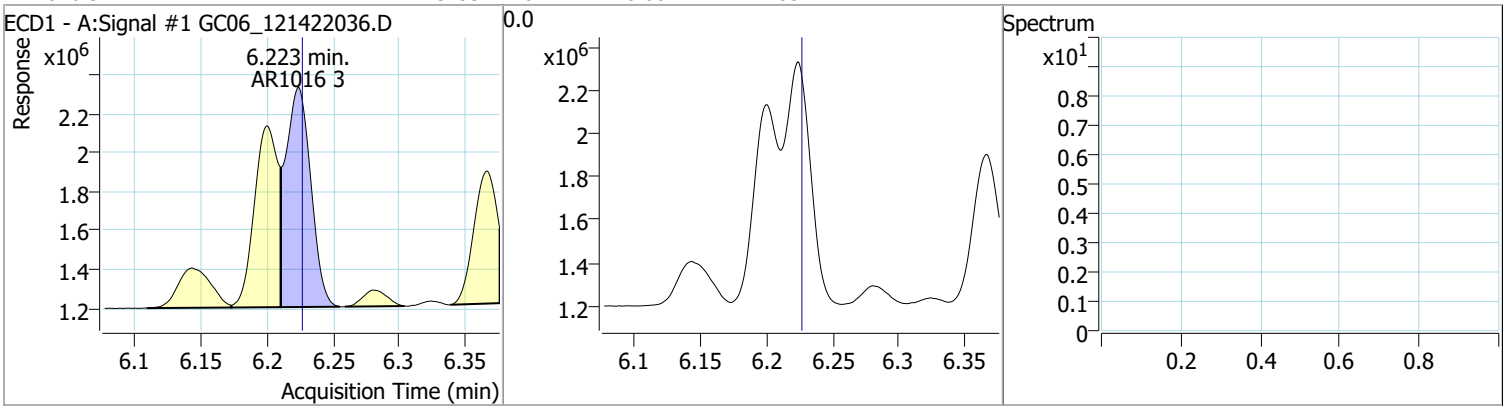
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	492.9343	5.75	0.00	1240468				



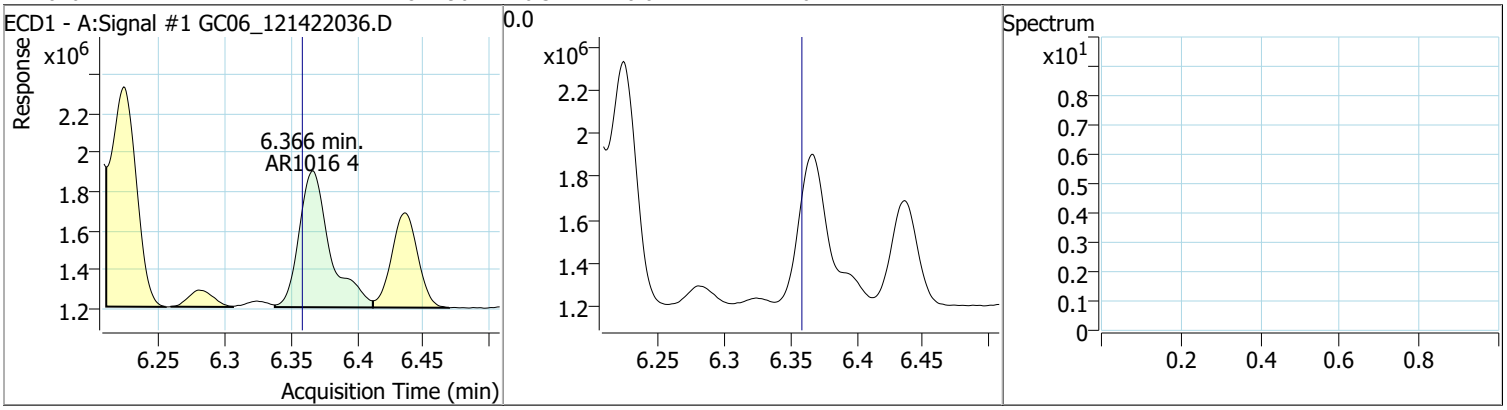
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	485.1257	5.95	0.00	2803597				



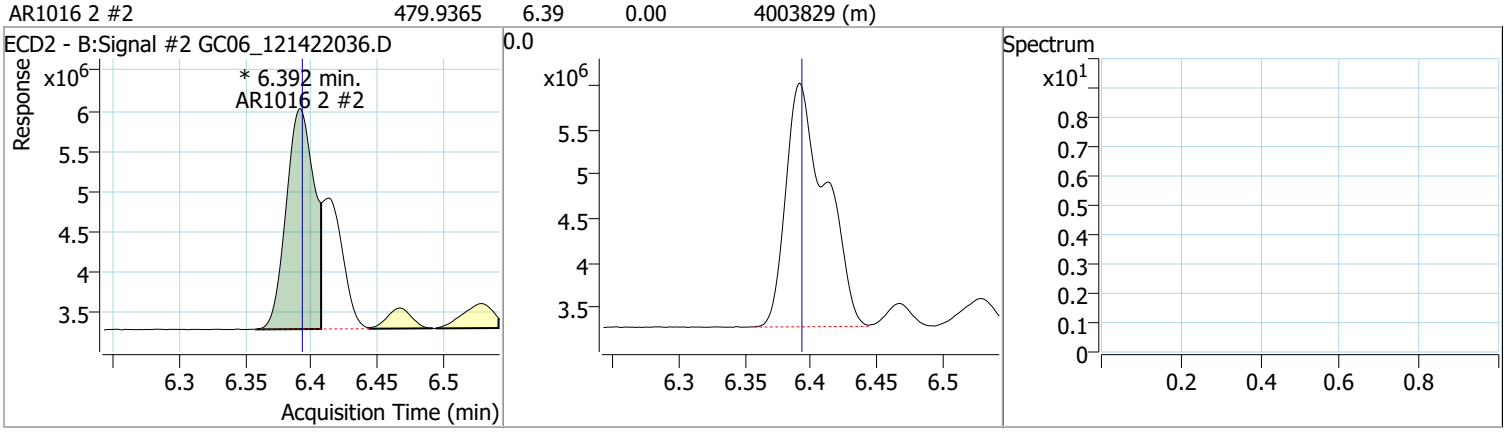
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	477.3799	6.22	0.00	1485472				



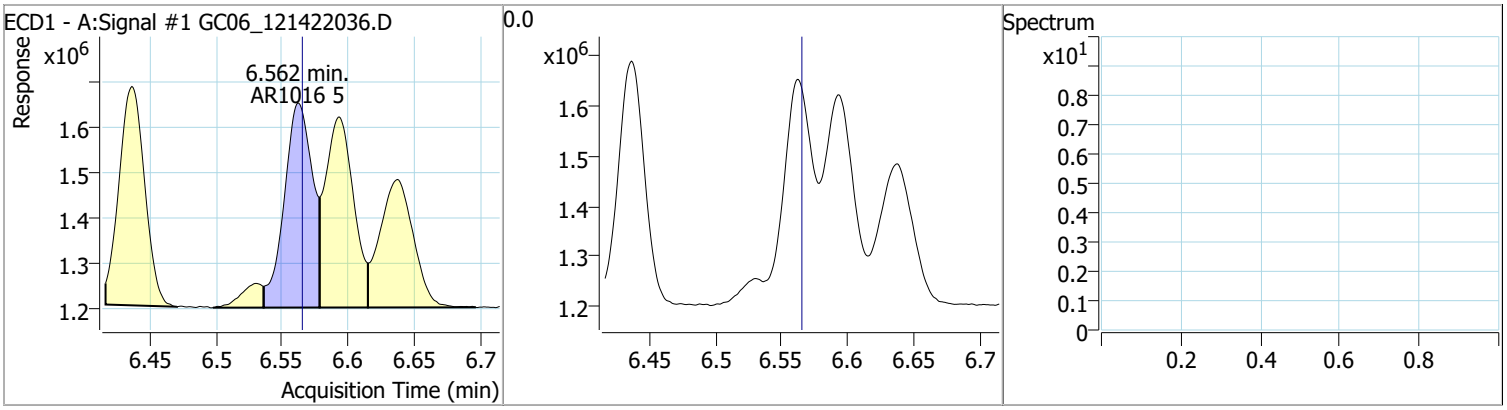
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	482.7964	6.37	0.01	1142611				



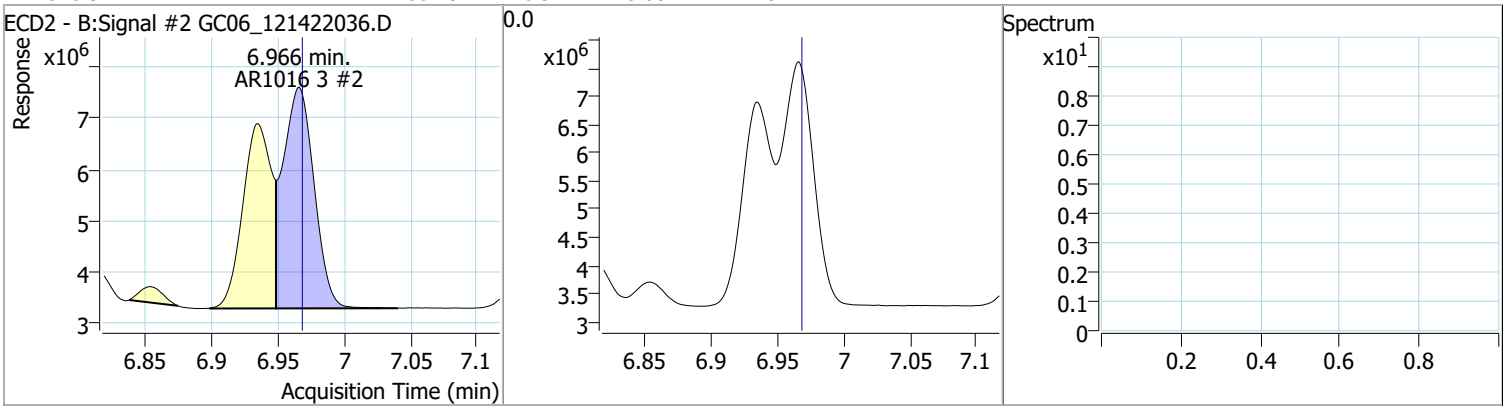
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	479.9365	6.39	0.00	4003829 (m)				



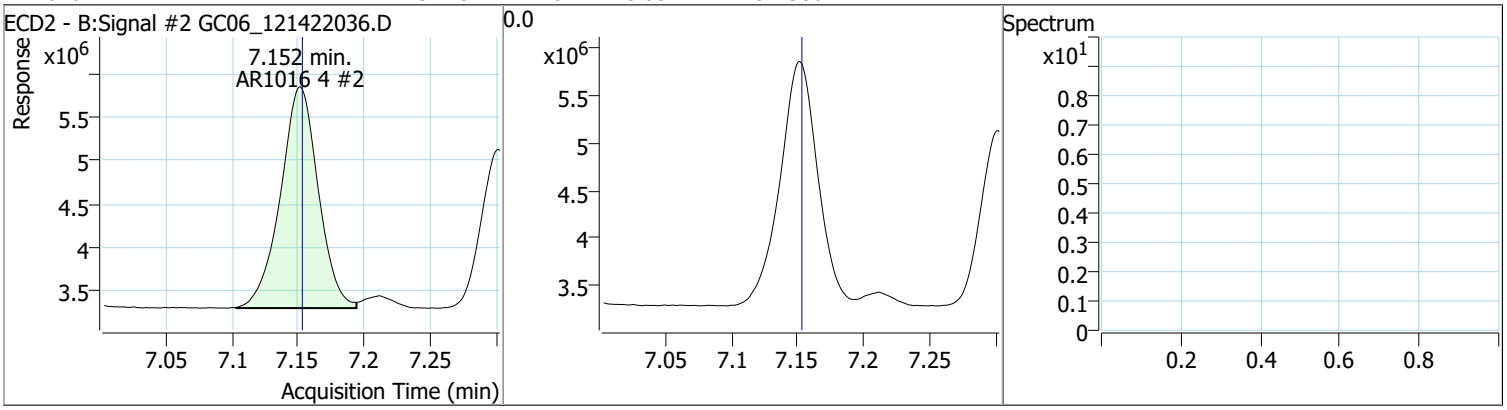
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	352.3874	6.56	-0.01	671733				



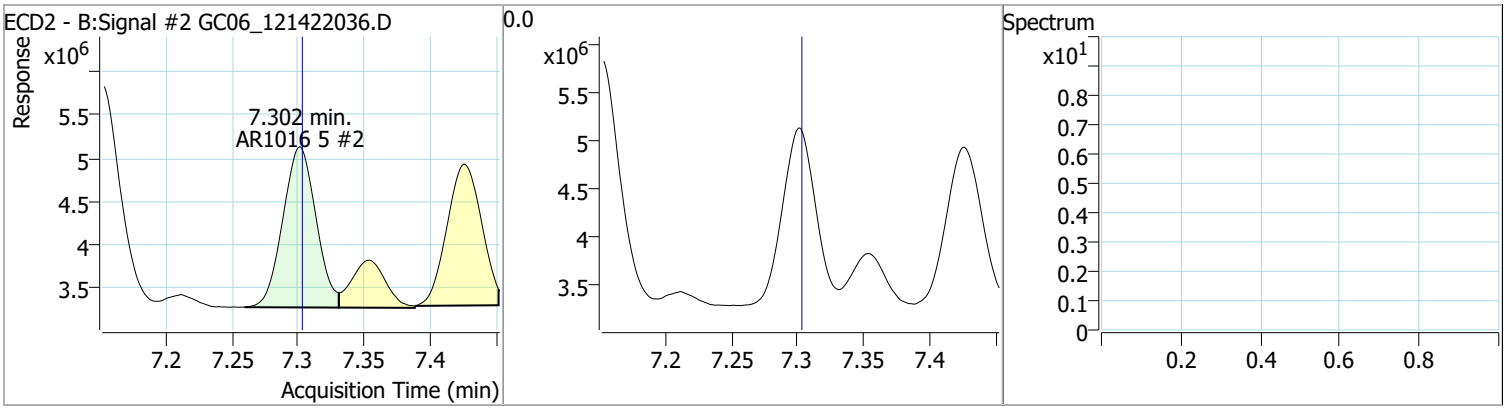
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	466.4872	6.97	0.00	7071121				



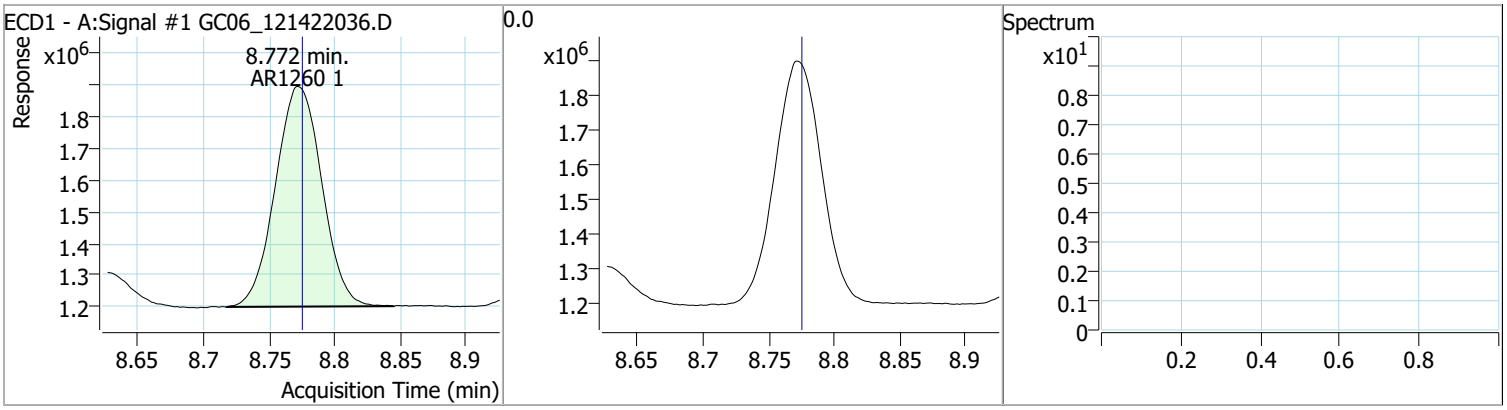
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	473.1151	7.15	0.00	5119861				



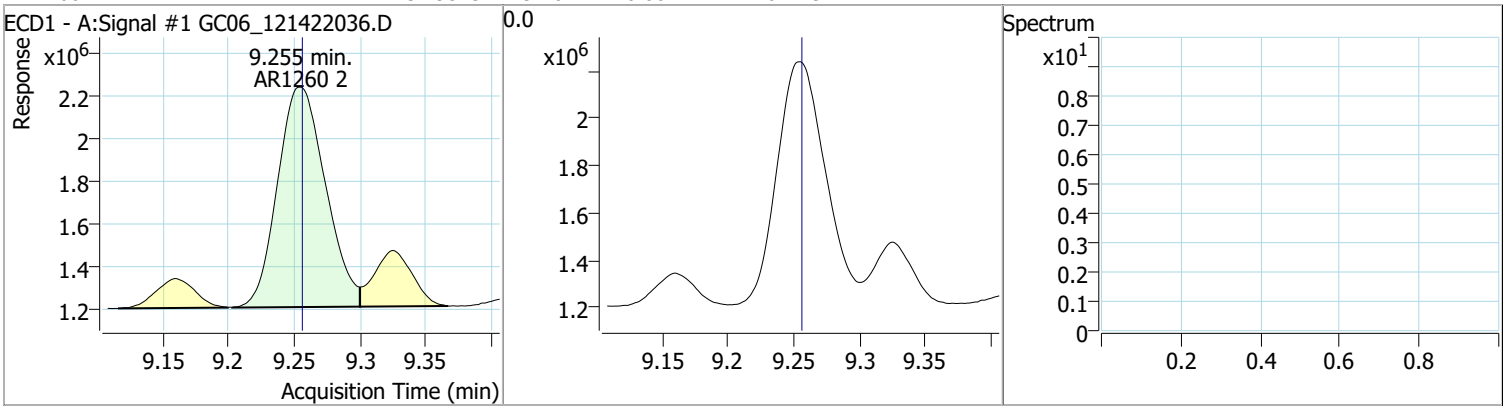
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	366.9976	7.30	0.00	3228212				



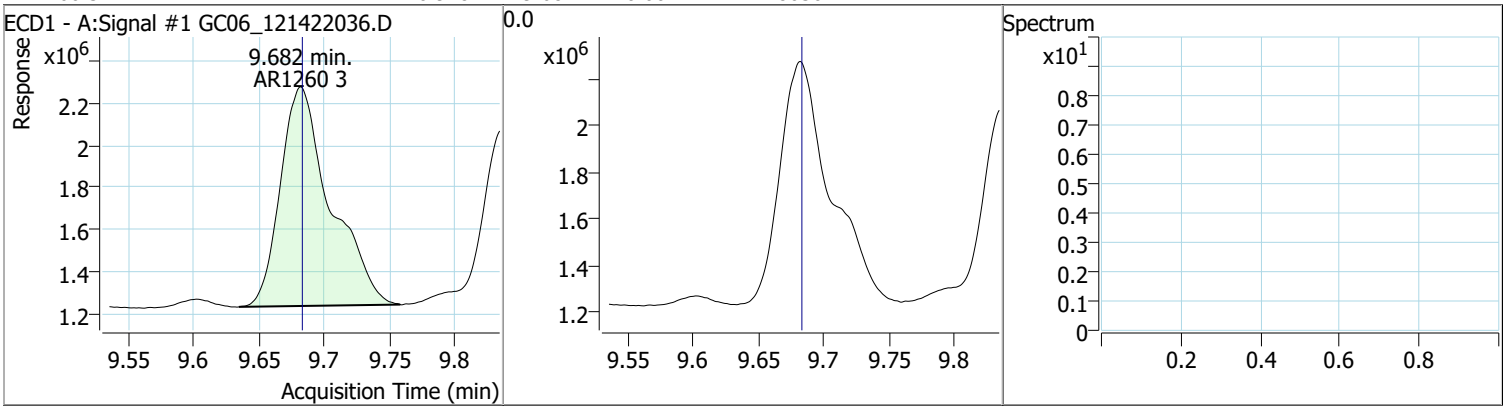
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	433.4614	8.77	-0.01	1715585				



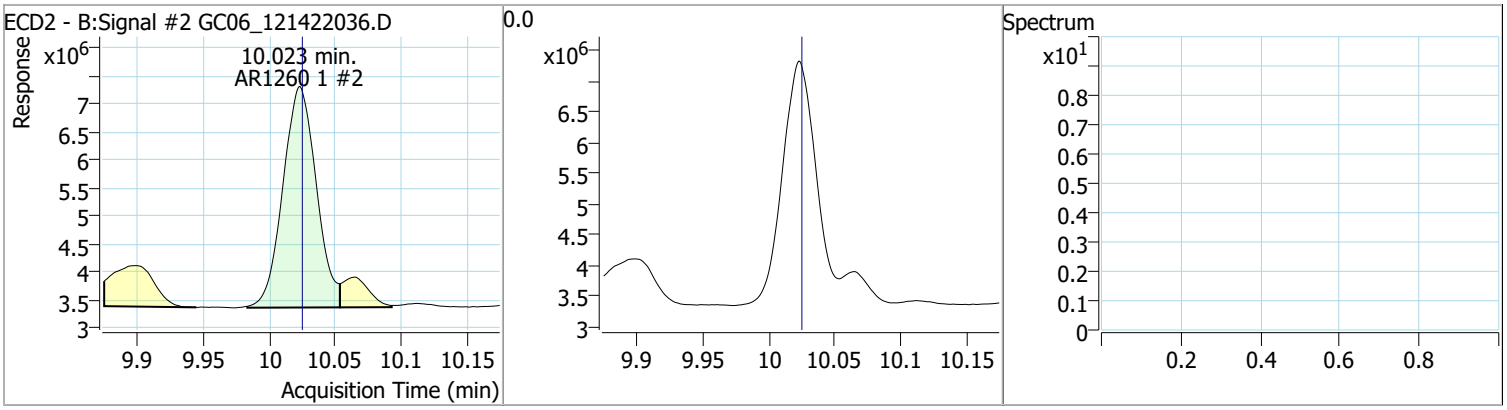
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	432.9543	9.26	0.00	2611797				



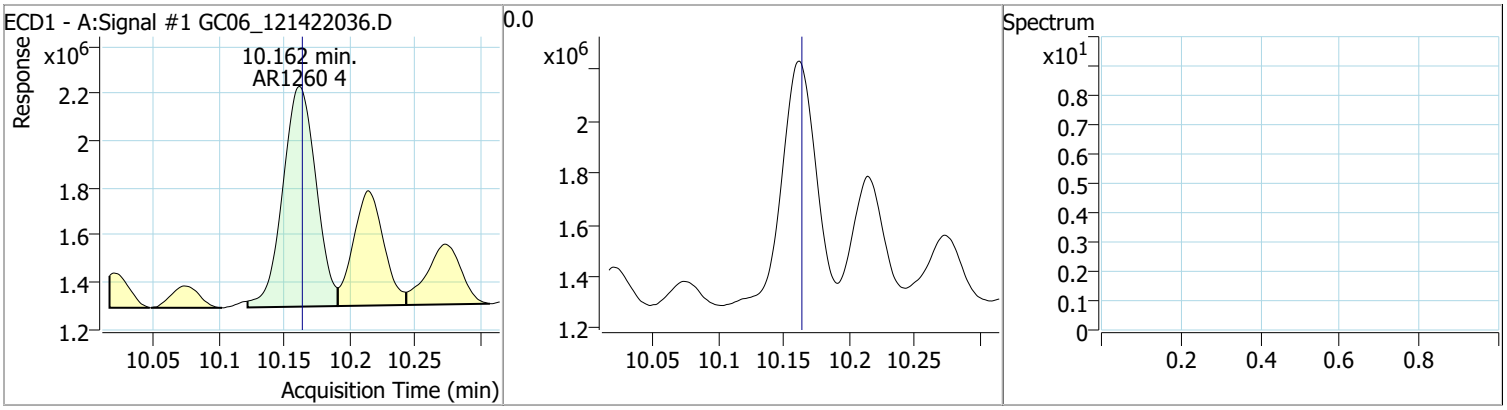
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	440.9482	9.68	0.00	2780301				



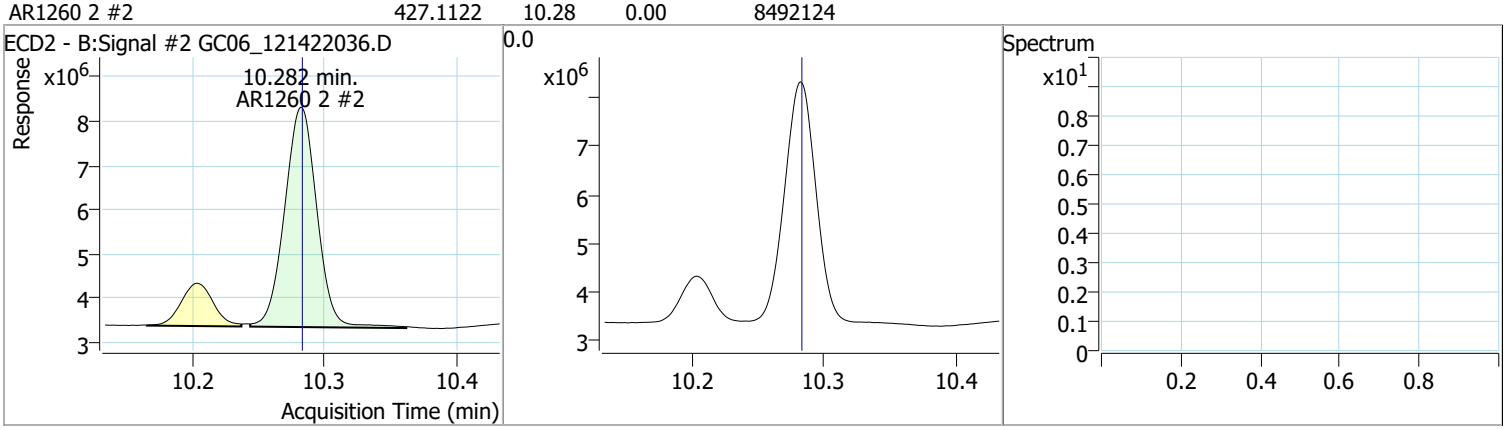
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	421.2953	10.02	0.00	6971545				



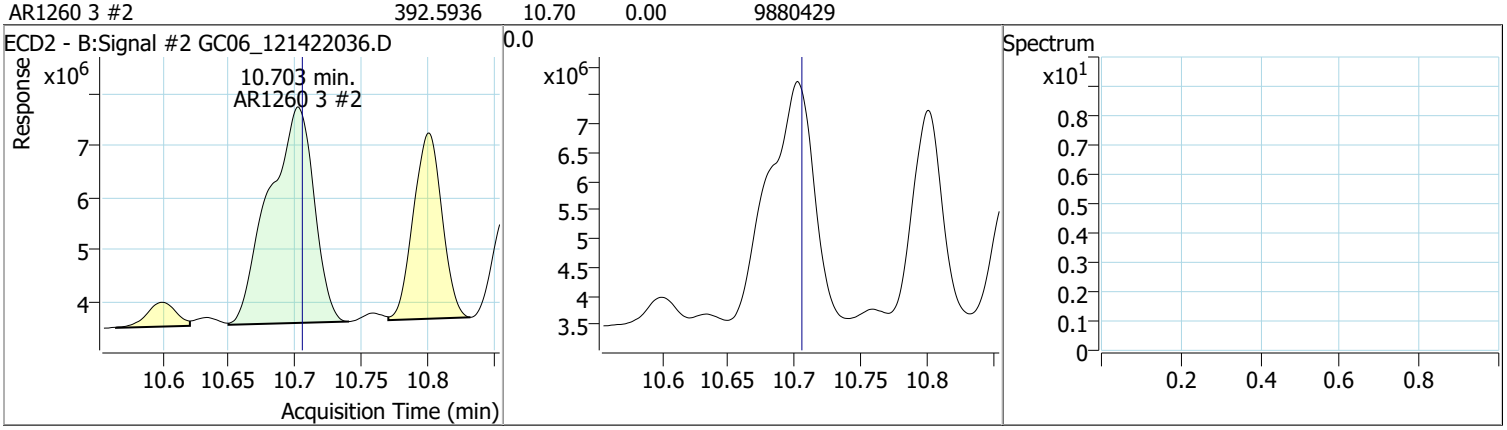
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	485.0722	10.16	-0.01	1666849				



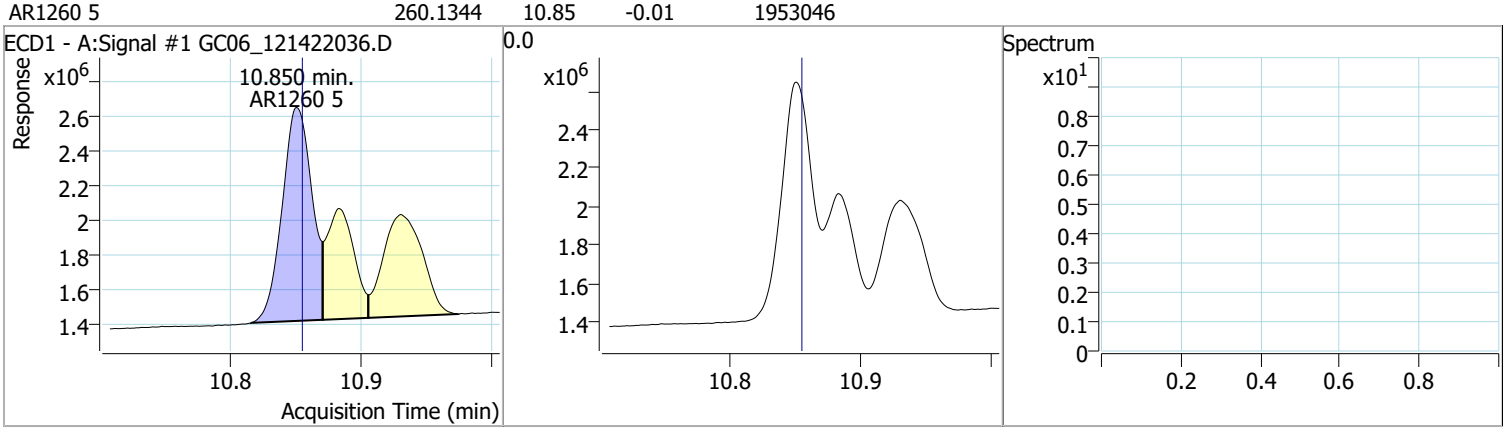
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	427.1122	10.28	0.00	8492124				



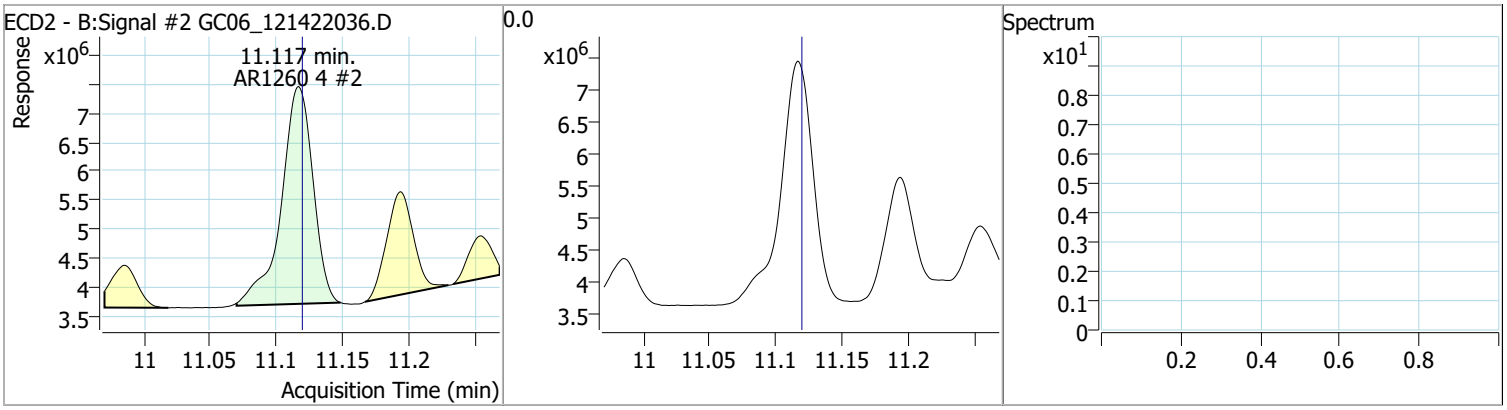
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	392.5936	10.70	0.00	9880429				



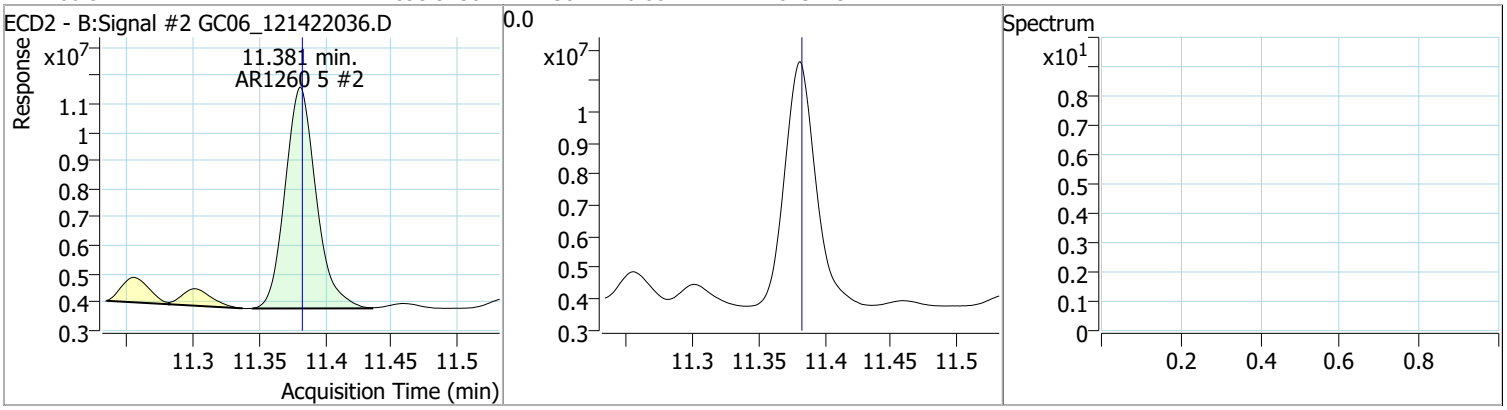
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	260.1344	10.85	-0.01	1953046				



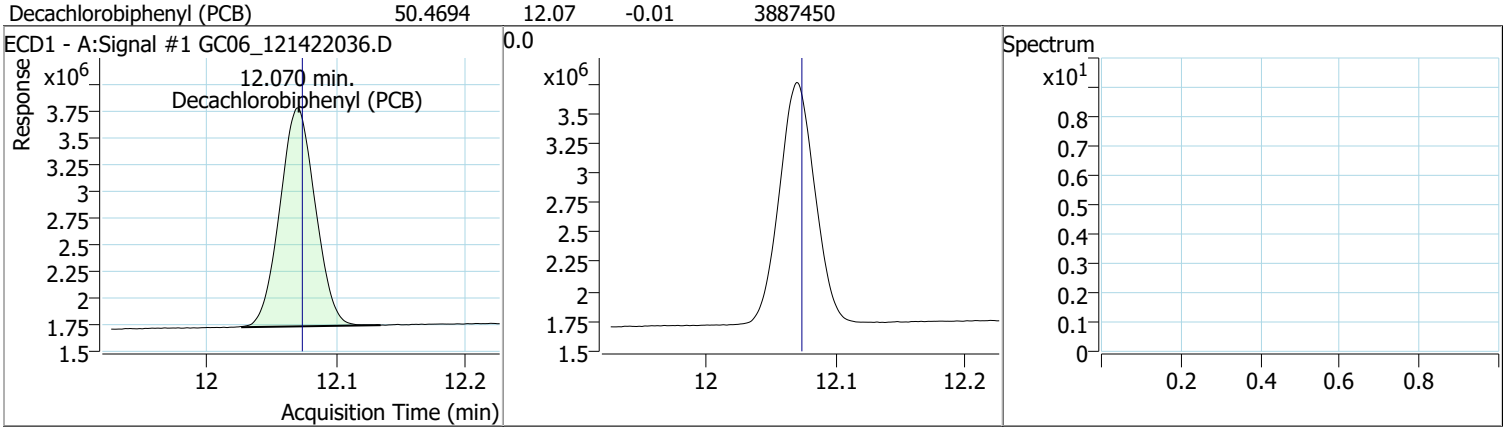
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	432.0895	11.12	0.00	6295126				



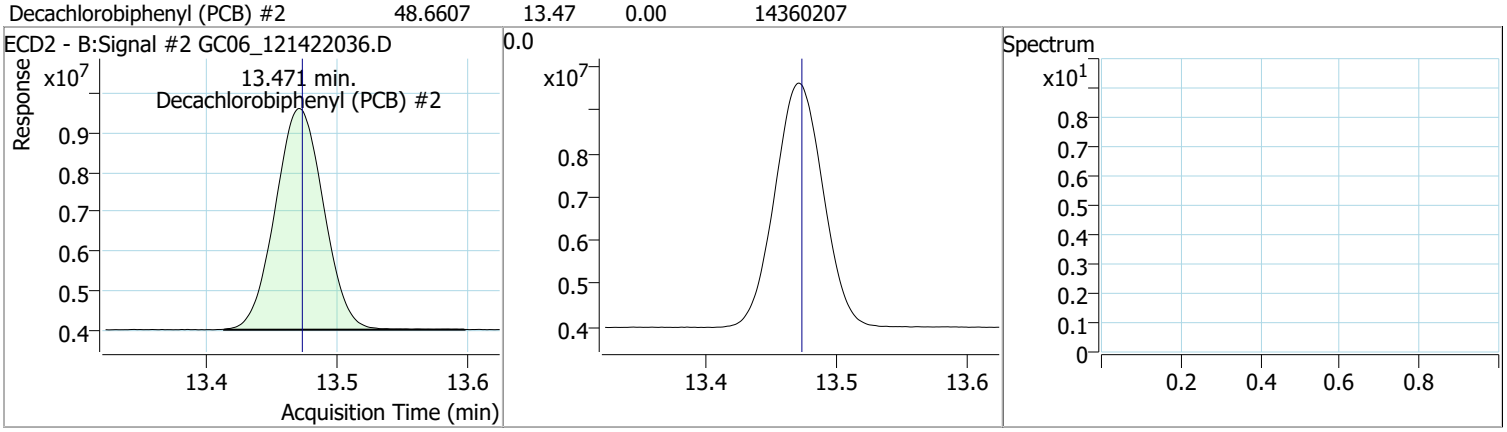
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	593.9738	11.38	0.00	12813113				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	50.4694	12.07	-0.01	3887450				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	48.6607	13.47	0.00	14360207				



Attachment 8

Revised Analytical SOP H-0004

ENTHALPY ANALYTICAL

931 W. Barkley
Orange, CA 92868

STANDARD OPERATING PROCEDURE

POLYCHLORINATED BIPHENYLS
BY GAS CHROMATOGRAPHY

EPA Method 8082/608.3

UNCONTROLLED

SOP Number: H-0004
Prepared By: Dave Dawes
Effective Date: 12/22/2022

Revision: 5
Supersedes: 4

Approved By:	Signature:	Date:
Hongling Cao Technical Director	Hongling Cao	12/22/22
Dave Dawes QA Director	Dave C. Dawes	12/22/2022
Reapproved By:	Signature:	Date:

1.0 SCOPE AND APPLICATION

1.1. Identification of Test Method

a. Method 8082 is used to determine the concentrations of polychlorinated biphenyls (PCBs) as Aroclors from solid and aqueous matrices. Open-tubular, capillary columns are employed with electron capture detectors (ECD). Method 608.3 is applicable to the determination of Aroclors in municipal and industrial discharges as provided under 40CFR 136.1.

The following list contains Aroclors in Method 8082 and 608.3, and PCB congeners in Method 8082:

Table 1

Compound	CAS Registry No.	IUPAC #
Aroclor 1016	12674-11-2	-
Aroclor 1221	11104-28-2	-
Aroclor 1232	11141-16-5	-
Aroclor 1242	53469-21-9	-
Aroclor 1248	12672-29-6	-
Aroclor 1254	11097-69-1	-
Aroclor 1260	11096-82-5	-
Aroclor 1262	2051-60-7	1
Aroclor 1268	16605-91-7	5

b. Aroclors are multi-component mixtures. When samples contain more than one Aroclor, a higher level of analyst expertise is required to attain acceptable levels of qualitative and quantitative analysis. The same is true of Aroclors that have been subjected to environmental degradation ("weathering") or degradation by treatment technologies. Such weathered multi-component mixtures may have significant differences in peak patterns than those of Aroclor standards.

c. Quantitation of PCBs as Aroclors is appropriate for many regulatory compliance determinations, but is particularly difficult when the Aroclors have been weathered by long exposure in the environment. Therefore, this method provides procedures for the determination of selected individual PCB congeners. The 9 PCB congeners listed above have been tested by this method.

d. The PCB congener approach potentially affords greater quantitative accuracy when PCBs are known to be present. As a result, this method may be used to determine Aroclors, some PCB congeners, or "total PCBs," depending on regulatory requirements and project needs. The congener method is of particular value in determining weathered Aroclors. However, analysts should use caution when using the congener method when regulatory requirements are based on Aroclor concentrations.

e. Compound identification based on single-column analysis should be confirmed on a second column, or should be supported by at least one other qualitative technique. This method describes analytical conditions for a second gas chromatographic column that can be used to confirm the measurements made with the primary column. GC/MS Method 8270 is also recommended as a confirmation technique when sensitivity permits.

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f. One of the primary components of Aroclor 1268 is decachlorobiphenyl. As this is routinely used as a surrogate for this method, if 1268 is known or suspected to be present in the sample, an alternative surrogate to decachlorobiphenyl should be use.

1.2. Applicable Matrices

Applicable matrices are surface water, ground water, liquid, sediment, and solid.

1.3. Quantitation Limits

a. The reporting limit, based on the lowest calibration point concentration, varies based on matrix and preparation initial and final amounts. See LIMS for specific limits.

b. Method Detection limits are continuously up-dated on an annual basis, or more often as needed, and are tracked using the laboratory LIMS.

2.0 SUMMARY

2.1. A measured volume or weight of sample (approximately 1 L for liquids, 1 to 10 g for solids) is extracted using the appropriate matrix-specific sample extraction technique.

2.2. Aqueous samples are extracted at neutral pH with methylene chloride using Method 3510C (separatory funnel).

2.3. Solid samples are extracted by Method 3546 with Hexane:Acetone (1:1) or by Method 3550B with Hexane:Acetone (1:1).

2.4. Wipe and oil samples are extracted with hexane using modified Methods 3580A (waste dilution) and 3572 (microextraction). Alternatively, for wipes only, either of the methods specified for solid samples in section 2.3 may also be used per client's request. See the current revision of Enthalpy SOP H-0019 for method modification details.

2.5. Extracts for PCB analysis may be subjected to sulfuric acid cleanup (Method 3665) designed specifically for these analytes. This cleanup will remove (destroy) many single components organochlorine or organophosphorus pesticides. Therefore, Method 8082 is not applicable to the analysis of those compounds. Instead, use Method 8081A.

2.6. After cleanup, the extract is analyzed by injecting a 1-2 uL aliquot into a gas chromatograph with a fused silica capillary column and electron capture detector (GC/ECD).

2.7. The chromatographic data may be used to determine the nine Aroclors, individual PCB congeners, or total PCBs.

3.0 DEFINITIONS

3.1. Reporting Limit (RL): The lowest concentration that can be measured with the consideration for practical limitations such as sample size, matrix interferences and dilutions.

3.2. Method Detection Limit (MDL): Minimum concentrations of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The

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sample is carried through the entire method under ideal conditions. This is performed on an annual basis, or more frequently as methods demand, by the laboratory.

3.3. Calibration: A plot of concentrations of known analyte standards versus the instrument response to the analyte. It is a reproducible reference point to which all sample measurements can be correlated. The appropriate linear or nonlinear coefficient for standard concentration to instrument response should be greater than or equal to 0.995.

3.4. Calibration Standards: A series of known analyte standards used for the calibration of the instrument. These are prepared by diluting a stock standard solution to produce working standards, which cover the working range of the instrument. One calibration standard must be at or below the reporting limit for the method.

3.5. Initial Calibration Verification Standard (ICV): A standard used to confirm the accuracy of the instrument calibration. This is prepared from a different stock solution (a different lot number or vendor) than was used to prepare the calibration standards. It is run after the initial calibration.

3.6. Continuing Calibration Verification Standard (CCV): A standard that periodically confirms that the instrument response has not changed significantly from the initial calibration. It also confirms accurate analyte quantitation for the previous samples analyzed. This is prepared from the same stock solution that was used to prepare the calibration standards. Its concentration should be at or near the mid-range levels of the calibration curve.

3.7. Initial Calibration Blank (ICB): A volume of reagent water treated in the same manner as the calibration standards. It is used to check carryovers and contamination. It is run after the initial calibration and should be below the reporting limit of the method.

3.8. Continuing Calibration Blank (CCB): A volume of reagent water treated in the same manner as the calibration standards. It is used to check carryovers and contamination. The CCB is analyzed at the beginning and end of a sample run, and periodically during a run (after every 10^{th} sample). It should be below the reporting limit of the method.

3.9. Method Blank (MB): An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank is to be carried through the complete sample preparation and analytical procedure. It is used to assess contamination resulting from the analytical process. A minimum of one method blank must be included with each set of 20 or fewer samples.

3.10. Laboratory Control Sample (LCS): An aliquot of laboratory reagent blank to which known quantities of the method analytes are added in the laboratory. The LCS is to be carried through the complete sample preparation and analytical procedure and is used to evaluate ongoing laboratory performance and analyte recovery in a clean matrix. A minimum of one LCS must be included with each set of 20 or fewer samples. When a particular sample matrix is not amenable to matrix spike/matrix spike duplicate pairs, an LCS duplicate is to be prepared. This LCS/LCSD pair is also referred to as a blank spike/blank spike duplicate (BS/BSD) pair.

3.11. Matrix Spike (MS): An aliquot of environmental sample to which known quantities of the method analytes are added in the laboratory. The addition occurs prior to sample preparation and analysis. The spiking volume should be limited to 5% or less of the sample volume. The MS

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is to be carried through the complete sample preparation and analytical procedure and is used to determine whether the sample matrix contributes any bias to the analytical results. A minimum of one MS must be included with each set of 20 or fewer samples.

The background concentration of the analytes in the sample matrix must be determined in a separate aliquot of sample and the measured value in the MS corrected for the background concentration. Through this, the recovery of the spiked analytes can be determined and matrix bias, if any, can be observed.

3.12. Matrix Spike Duplicate (MSD): A duplicate of the Matrix Spike used to determine the precision and bias of a method in a given sample matrix. A minimum of one MSD must be included with each set of 20 or fewer samples.

3.13. Duplicate (DUP): A randomly-selected or client-assigned sample that is processed through the entire sample preparation and analytical procedure twice. Analysis of the sample duplicate can indicate precision associated with the laboratory procedures by removing variations contributed by sample collection, preservation, and storage procedures. For clients that require a duplicate to be analyzed, a minimum of one DUP must be included with each set of 20 or fewer samples.

3.14. Surrogate**:** Surrogates are compounds that are unlikely to be found in the environment but behave similarly to the test method's target analytes. These compounds are added to every sample, method blank, spike and calibration standard to monitor the performance of the procedure.

3.15. Internal Standard: It is added to every sample, method blank, spike and calibration standard to compensate for variability in the instrument responses.

4.0 INTERFERENCES

4.1. Interferences co-extracted from the samples will vary considerably from matrix to matrix. While general cleanup techniques are referenced or provided as part of this method, unique samples may require additional cleanup approaches to achieve desired degrees of discrimination and quantitation. Sources of interference in this method can be grouped into three broad categories:

a. Contaminated solvents, reagents, or sample processing hardware.

b. Contaminated GC carrier gas, parts, column surfaces, or detector surfaces.

c. Compounds extracted from the sample matrix to which the detector will respond.

4.2. Interferences by phthalate esters introduced during sample preparation, or sample matrix can pose a major problem in PCB determinations.

a. Common flexible plastics contain varying amounts of phthalate esters which are easily extracted or leached from such materials during laboratory operations. Interferences from phthalate esters can best be minimized by avoiding contact with any plastic materials and checking all solvents and reagents for phthalate contamination.

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b. Exhaustive cleanup of solvents, reagents and glassware may be required to eliminate background phthalate ester contamination.

c. These materials can be removed through the use of Method 3665 (sulfuric acid cleanup).

4.3. Cross-contamination of clean glassware routinely occurs when plastics are handled during extraction steps, especially when solvent-wetted surfaces are handled. Glassware must be scrupulously cleaned. Clean all glassware as soon as possible after use by rinsing with the last solvent used. This should be followed by detergent washing with hot water, and rinses with tap water and organic-free reagent water. Drain the glassware, and dry it in an oven at 130°C for several hours, or rinse with Acetone and drain. Store dry glassware in a clean environment.

NOTE: Oven-drying of glassware used for PCB analysis can increase contamination because PCBs are readily volatilized in the oven and spread to other glassware. Therefore, exercise caution, and do not dry glassware from samples containing high concentrations of PCBs with glassware that may be used for trace analyses.

4.4. Elemental sulfur (S8) is readily extracted from soil samples and may cause chromatographic interferences in the determination of PCBs. Sulfur can be removed through the use of Method 3660 copper powder cleanup.

4.5. Solvents, reagents, glassware, and other sample processing hardware must be demonstrated to be free from interferences under the conditions of the analysis by running method blanks. Before processing any samples, it should be demonstrated daily, through the analysis of a method blank, that the entire system is interference free.

5.0 SAFETY

5.1. Assume all samples contain hazardous and/ or potentially toxic materials; lab coat, gloves and safety glasses should be worn at all times while handling samples.

5.2. The toxicity or carcinogenicity of each reagent used in this method has not been precisely defined; however, each chemical compound must be treated as a potential health hazard. Accordingly, exposure to these chemicals must be reduced to the lowest possible level. The laboratory is responsible for maintaining a current awareness file of OSHA regulations regarding the safe handling of the chemicals specified in this method. A reference file of material safety sheets (MSDS) should also be made available to all personnel involved in the chemical analysis. Detail refers to Enthalpy Analytical Safety Manual.

5.3. PCBs have been classified as known human or mammalian carcinogens. Primary standards of these toxic compounds should be prepared in a hood. A NIOSH/MESA approved toxic gas respirator should be worn when the analyst handles high concentrations of these toxic compounds

6.0 EQUIPMENT AND SUPPLIES

6.1. Equipment:

a. Gas Chromatography: Agilent 7890B GC with dual ECD.

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b. Columns: A Restek Rtx CLPesticides 1&2 (30m, 0.25mm, 0.25um) dual column with "leak-free Y" or equivalent.

c. GC/ECD computer Operating software: Chemstation OpenLab rev.c.01.07 SR2 (255) or equivalent. Some systems are also equipped with Agilent MassHunter version 10.1 / build 10.1.733.0 or equivalent.

d. Alternate systems (GC/MS, columns, oven programs, etc.) may be incorporated after completion of a successful MDL study, provided all separation and Quality Control regulations can be met.

6.2. Syringe – 10µL.

6.3. Volumetric flasks, Class A - Appropriate sizes with ground glass.

6.4. See Apparatus and Materials in the appropriate SOPs for extraction equipment

7.0 REAGENTS AND STANDARDS

7.1. Reagents

a. Acetone, Hexane, methylene chloride – Pesticide quality or equivalent.

b. DI Water – free of contaminant

7.2. Standards

a. Refer to Appendix: 3 Standard Preparation

8.0 SAMPLE COLLECTION, PRESERVATION, SHIPMENT AND STORAGE

Sample container, preservation techniques and holding times may vary and are dependent on sample matrix, method of choice, regulatory compliance, and/or specific contract or client requests. Listed below are the holding times and the references that include preservation requirements.

Matrix	Sample Container	Min. Sample Size	Preservation	Holding Time	Reference
Waters	1 L Amber	1000 mL	Cool >0 to 6°C*	7 Days	40 CFR Part 136.3 SW846 Chap. 4
Soils	Boring sleeve or 4 oz glass jar	20g	Cool >0 to 6°C	14 Days	SW846 Chap. 4
Wipe	Glass jar	1 wipe	Cool >0 to 6°C	14 Days	None
Extracts	Sealed vial	1mL	Dark; Cool ≤-10°C	40 Days	40 CFR Part 136.3 SW846 Chap. 4

9.0 QUALITY CONTROL

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Blanks, duplicates and matrix spike/matrix spike duplicates must be analyzed at a minimum of once for every batch of samples or each type of matrix or every 20 samples whichever is more frequent.

9.1. **Method Blank**

Evaluate the results of the method blank. No compounds should be detected in the method blank, however if a compound(s) is detected, the following steps are used to determine the corrective action required.

a. If the concentration of the contaminant is below the reporting limit, report the data without reanalysis.

b. If the target compound(s) found in the method blank was not detected in the associated samples, the data may be reported and the problem narrated.

c. If the target compound(s) found in the method blank was also detected in the associated samples, but the level in the samples is greater than 10x the level in the method blank, report the data without reanalysis.

d. If the target compounds detected in the method blank were also detected in the associated samples, but at levels less than 10x the level in the method blank, and reanalysis confirms the problem, the samples containing the contaminant must be re-extracted and reanalyzed. Initiate a Corrective Action Report (CAR) immediately.

9.2. **Laboratory Control Sample (LCS) or BS/BSD**

Review the recoveries, and RPD if applicable, to determine if the data can be reported. If either recovery or the RPD fail acceptance criteria, reanalyze the QC extracts. If the failure is confirmed upon reanalysis, initiate a CAR. Review the data for each job to determine if the results can be reported for any of the jobs, using the following guidance to determine the required corrective action:

a. If a high recovery is observed but no PCBs were detected in the associated samples, report the data without re-extraction, as the potential high bias does not affect the sample results.

b. If a high recovery is observed and the samples contain PCBs at levels above the reporting limits, the samples must be re-extracted.

c. If a high RPD is observed but the recoveries are within acceptance limits and PCBs were not detected in the samples at levels above the reporting limits, note the failure and report the data without re-extraction, as the lack of good precision data does not affect ND samples.

d. If a high RPD is observed and PCB's were detected in the samples at levels above the reporting limits, all samples containing PCB's must be re-extracted.

e. If low recoveries are observed, the associated samples must be re-extracted or, if re-extraction is not possible, results must be qualified as potentially biased low.

9.3. **Matrix Spike/Matrix Spike Duplicate (MS/MSD):**

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Evaluate the results of the matrix spikes. If any of the recoveries or RPD are flagged as outside limits, use the following to determine the appropriate action:

a. If the concentration of a target analyte is greater than 4x the spiking level, LIMS will flag the recoveries. Report the data without reanalysis.

b. If the concentration of a target analyte in the sample is greater than the linear range, but is not greater than 4x the spiking level, dilute the sample, MS, and MSD and reanalyze the extracts.

c. If the concentration of a target analyte in the sample is within linear range but the concentration in the matrix spikes is just greater than the linear range, dilute the sample, MS, and MSD and reanalyze the extracts.

d. If recoveries fail but the RPD is within acceptance limits, matrix interference is usually suspected. Narrate the failure and report the data without reanalysis.

e. If the recoveries fail due to obvious chromatographic interference (ie: coelution of other analytes with the spike compounds), narrate the failure and report the data without reanalysis.

f. If the recoveries are within limits but the RPD fails, and an isolated problem cannot be identified and documented, reanalyze the sample and matrix spikes.

9.4. **Continuing and Initial Calibration Verification (CCV/ICV):**

Continuing Calibration Verification (CCV) standards are analyzed to verify that the response of the instrument has not changed significantly and that the curve may still be used to quantitate sample results. A CCV must be run at the beginning of each sequence before any samples are analyzed, after 12 hours and at the end of the analytical sequence (for 608.3). The concentration of the CCV should be varied within the calibration range but should not be analyzed at either extreme (highest or lowest point) of the ICAL curve.

If the first CCV does not meet the acceptance criteria, and the failure appears to be the result of a bad injection or a degraded standard, another CCV standard may be analyzed. If the second injection also fails, instrument maintenance should be performed. If the second injection passes, continue with the samples.

Process the CCV through LIMS then examine the summary form against the following criteria to determine whether the CCV is acceptable:

a. All compounds must fall within its retention time window and be automatically identified on both columns by the data system.

b. All compound responses should be within 15% of the initial calibration (%D $\leq$ 15%).

c. If the %D for an individual compound fails acceptance criteria, data may be reportable based on the following criteria:

- If the failing compound is not a target analyte for the associated samples, sample results should be reported without reanalysis.

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- If the compound fails the %D criterion due to a high response but was not detected above the reporting limit in the associated samples, the sample results may be reported without reanalysis, as the high bias does not affect the sample results.

- If the compound fails the %D criterion due to a high response and *was* detected above the reporting limit in any of the associated samples, the samples should be reanalyzed.

- If the compound fails the %D criterion due to a low response and *was* detected (even below the reporting limit), the sample should be reanalyzed.

If any of the above criteria are not met, examine the integration to verify that each peak was correctly integrated. Manual integrations must be consistently applied to ICAL, CCV, and sample integrations. If manual integrations are performed, the file should be resent to LIMS so that a new CCV summary form can be generated.

If associated samples are being quantitated for a hit of one of the non-Ar1016/1260 PCBs based on a single-point calibration, the bracketing Ar16/60 CCVs on that channel must pass, as the linearity of the calibration is demonstrated by the Ar1016/1260.

9.5. **Internal Standard:**

Internal standards are added to each sample, CCV, MB, LCS, MS and MSD at the time of analysis. The absolute areas of the internal standards in CCV must not have changed by a factor of two (50-200%) from the IS area of the mid-point ICAL, and internal standard in each sample compared to CCV every day.

If the internal standard recovery is out of compliance, use the following to determine the appropriate corrective action:

a. If the internal standard is failing in a calibration standard (ICAL, ICV, CCV), instrument maintenance must be performed to bring the instrument back into compliance. The standard and any extracts run after that standard must be rerun.

b. If, upon visual inspection of chromatograms, matrix interference is apparent (ie: background is 2 to 5 times higher than the nearest internal standard) and no target analytes were detected, the data may be reported without corrective action. Narrate the interference.

c. If obvious matrix interference is not present, the sample must be reanalyzed.

d. If, upon reanalysis, the same internal standard falls outside QC limits, report the better of the two runs and narrate the failure as due to confirmed matrix interference.

9.6. **Surrogates:**

Evaluate the surrogate recoveries for all samples, method blanks, and spikes. If the extract was diluted to a level at which the surrogate concentration is below the low calibration point, the surrogate is considered diluted out and LIMS will place a “DO” flag on the user report and final forms.

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Evaluate the recoveries. If a surrogate recovery is outside QC limits, verify that the prep information (LIMS S#, amount, and concentration of surrogate added, sample weight/ volume, extract volume, and instrument dilution factors) is correct. If any of these are incorrect, fix the entry and reprocess the data. If the prep entry was correct, determine whether reanalysis is required using the following criteria:

a. If a high recovery is observed but no target analytes were detected above the reporting limit in the sample, note the failure and report the data without reanalysis, since the possible high bias will not affect sample results.

b. If a high recovery is observed, and target analytes were detected, and there is no obvious chromatographic interference, the sample must be reanalyzed. If the same surrogate(s) fails criteria upon reanalysis a Corrective Action report must be initiated and the sample must be re-extracted. If the same surrogate fails criteria after re-extraction it is deemed to be matrix effect.

c. If a low recovery is observed for any surrogate and there is no obvious chromatographic interference, or documented historical site matrix interference, the sample must be reanalyzed. If the same surrogate(s) fails criteria upon reanalysis a Corrective Action report must be initiated and the sample must be re-extracted.

10.0 CALIBRATION AND STANDARDIZATION

An initial calibration must be analyzed whenever instrument conditions (temperature programs, flow rates, etc.) have been changed, the detector has been cleaned, or when a new column has been installed. In general, a new calibration curve must be made whenever instrument conditions have been altered, or whenever the continuing calibration verification no longer passes acceptance criteria.

Working calibration standard levels are listed in Appendix: 3 Standard Preparation .

The instrument analytical range must be established by running a minimum of 5 calibration standards, containing Aroclor 1016 and Aroclor 1260, at levels that bracket the quantitation range; the lowest standard must be at or below the reporting limit and the highest standard determines the upper end of the quantitation range. The standards must be analyzed in order of increasing concentration. Points may be dropped so long as the following criteria are met:

- The highest concentration standard may be omitted so as long as there are at least five points remaining and the remaining highest point defines the top of the calibration range (any extracts which exceed this response must be diluted and reanalyzed).

- The lowest concentration standard may be omitted from curve if, *and only if*, the resulting lowest standard is at or below the reporting limit for samples and there are at least five points remaining.

- Mid-point standards may not be omitted simply to improve the RSD or linear correlation coefficient. They may, however, be reanalyzed if a poor injection is suspected. The reanalysis must occur immediately after the curve so long as no sample extracts were analyzed since the last calibration standard and all compounds are calibrated using the second run. Under no circumstances may a point in the middle of the curve be rejected in order to pass calibration criteria for a particular compound.

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The curve must be verified by analyzing an Initial Calibration Verification (ICV) standard comprised of standards obtained from a different manufacturer than those used to prepare the ICAL standards. See Appendix: 1 QC Summary Table for response factors, RSD and correlation coefficient.

Verify that the calibration is useable by reviewing the results against the following criteria:

- The Relative Standard Deviation (RSD) of the Response Factor for both columns should be less than or equal to 20% for method 8082/608.3.
- If the RSD fails for any compound, compute the "grand mean" of the RSDs for all target compounds; if this mean RSD is less than or equal to 20% then the average response calibrations may be validated.
- If the average response factors fail to meet the 20% RSD or mean RSD criteria, employ a linear regression or quadratic model. If linear regression is used, a minimum of five points is required with a correlation coefficient $r \geq 0.995$. If a quadratic fit is used, a minimum of six points is required with a coefficient of determination $r^2 \geq 0.990$.
- The ICV should meet the CCV criteria of $\leq$ 15%D (for 608.3 it is $\leq$ 25%D). If the %D for any analyte is outside limit, calculate the mean %D for all compounds. If this is less than 15% then the CCV is considered acceptable.
- If the first ICV does not meet the acceptance criteria, another ICV standard may be analyzed.

11.0 PROCEDURE

11.1. Samples are extracted by the appropriate approved method. See the appropriate SOP for more information.

11.2. Following acceptable initial calibration and/or daily calibration aliquots of each extract are spiked with internal standard and analyzed utilizing the same conditions employed for standards analysis.

11.3. Data are evaluated for target analytes, surrogates and QC, compiled. The results entered into the appropriate section in LIMs.

11.4. Qualitative Analysis:

Before any PCB can be quantitated, it must be qualitatively identified. Each Aroclor is a mixture of many individual polychlorinated biphenyls (for example: 3,3',4,4'-tetrachlorobiphenyl is a single component "congener" of an Aroclor mixture). Aroclor identification is based on pattern recognition, through comparison of the sample pattern to those of the Aroclors used as calibration standards. Overlay option on OpenLab are very useful in determining which, if any, Aroclors are present because it can be used to overlay the sample chromatogram with the standards chromatograms.

Aroclors are not discrete chemicals but are comprised of many related Polychlorinated Biphenyl (PCB) compounds. For environmental samples, these analytes are identified by comparison of the sample chromatograms to those of the standards. The composition and relative ratios of the

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target peaks in the sample chromatogram should *resemble* the standard but do not have to exactly match that of the standard, since the composition of these analytes is not completely defined, may vary between manufacturers and from batch to batch, and may have changed as the sample is "weathered" in the environment.

Except for Aroclor 1016 and Aroclor 1260, the components of different Aroclors often overlap, thus requiring separate calibration standards for these multi-component analytes. If the peaks do not overlap the standards may be combined, as in Ar1016/1260 and Ar1221/1254. For each of the Aroclors, five characteristic peaks are chosen as representative of each analyte; these peaks should be the largest peaks present that do not coelute with other target analytes. To positively identify the analyte in the sample, the chromatogram must contain at least 3 of the characteristic peaks (if present at low levels) with increasing resemblance to the standard as the concentration increases. Note, however, that the simple presence of 3 or more peaks within the expected retention window does not necessarily constitute a positive identification; positive identification is based on overall pattern recognition, including the presence or absence and ratios of non-quantitated peaks.

Non-target chlorinated compounds such as DDT and Endrin are typically removed prior to analysis by the sulfuric acid cleanup, however Technical Chlordane is not degraded by the acid and may appear in the latter ½ of the run; the two peaks with the highest response are typically a-Chlordane and g-Chlordane. Toxaphene may also be present and elute in the latter ½ of the run.

11.5. Quantitative Analysis:

a. The quantitation of PCB residues as Aroclors is accomplished by comparison of the sample chromatogram to that of the most similar Aroclor standard. A choice must be made as to which Aroclor is most similar to that the residue and whether that standard is truly representative of the PCBs in the sample.

b. Use the individual Aroclor standards (not the 1016/1260 mixtures) to determine the pattern of peaks on Aroclors 1221, 1232, 1242, 1248, and 1254. The patterns for Aroclors 1016 and 1260 will be evident in the mixed calibration standards.

c. Once the Aroclor pattern has been identified, compare the responses of 3 to 5 major peaks in the single-point calibration standard for that Aroclor with the peaks observed in the sample extract. The amount of Aroclor is calculated using the individual calibration factor for each of the 3 to 5 characteristic peaks chosen and the calibration model (linear or non-linear) established from the multi-point calibration of the 1016/1260 mixture. A concentration is determined using each of the characteristic peaks and then those 3 to 5 concentrations are averaged to determine the concentration of that Aroclor.

12.0 CALCULATIONS

12.1. Initial and Daily Calibration must be met prior to the analysis of sample extracts.

12.2. When a compound has been identified, the quantitation of that compound will be based on the

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integrated abundance from the EICP of the primary characteristic ion and should exhibit no less than a 70% match.

12.3. Compute the concentration of the analyte in the sample.

a. The concentration of the analyte in the liquid phase of the sample is calculated using the concentration of the analyte in the extract and the volume of liquid extracted, as follows:

$$\text{Concentration in liquid } (\mu g/L) = \frac{(C_{ex} * V_{ex})}{V_o}$$

Where:

V_{ex} = extract volume, in mL.
V_o = volume of liquid extracted, in L.

b. The concentration of the analyte in the solid phase of the sample is calculated using the concentration of the pollutant in the extract and the weight of the solids, as follows:

$$\text{Concentration in solid } (\mu g/kg) = \frac{C_{ex} * V_{ex}}{W_s}$$

Where:

V_{ex} = extract volume, in mL
W_s = sample weight, in Kg.

c. Where applicable, an estimate of concentration for non-calibrated components in the sample should be made. The formula given above should be used with the following modifications: The areas Ax and Axis should be from the total ion chromatograms and the RF for the compound should be assumed to be 1. The concentration obtained should be reported indicating (1) that the value is an estimate and (2) which internal standard was used to determine concentration. Use the nearest internal standard free of interferences.

13.0 METHOD PERFORMANCE

13.1. MDL: A seven-replicate initial MDL study is required before the method can be used to report samples. In addition, two MDL verification replicates are to be performed quarterly.

13.2. IDOC/CDOC: Every analyst must perform an IDOC before performing analyses on any client samples without direct supervision. An IDOC consists of 4 consecutive LCS samples with an average recovery and RSD within LCS limits. A continuing DOC must be performed annually. A CDOC can be 4 consecutive LCSs at mid-level or a passing PT.

13.3. CONTROL LIMITS: LCS, MS/MSD, and surrogate limits are reviewed on a periodic basis and updated as necessary.

13.4. PT STUDY: A passing PT study must be completed for this method approximately every six months. A documented corrective action must be performed whenever a PT result is evaluated as “not acceptable”.

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13.5. RT WINDOW STUDY: An RT window study must be performed annually by analyzing a triplicate run of a calibration verification standard (ICV/CCV) over a 72-hour period. Calculate the mean and standard deviation of the retention time for each analyte and surrogate to three decimal places. In the event that a standard deviation is 0.00, set the RT at ±0.03 minutes.

14.0 POLLUTION PREVENTION

The EPA has established guidelines of environmental management techniques to institute pollution prevention in the workplace. Whenever feasible, laboratory personnel use pollution prevention techniques to address their waste generation and minimize pollution resulting from any laboratory activity.

15.0 WASTE MANAGEMENT

Hazardous wastes generated are properly disposed of in accordance to existing federal and state regulations. For details, refer to SOP - Laboratory Hazardous Waste Disposal (J-0010).

16.0 REFERENCES

16.1. SW-846, 3rd Edition, Method 8000 & 8082.

17.0 ATTACHMENTS

17.1. Attachment 1: QC Summary Table

17.2. Attachment 2: Instrument Set Up

17.3. Attachment 3: Standard Preparation

17.4. Attachment 4: Routine Maintenance

18.0 METHOD MODIFICATIONS

None.

19.0 DOCUMENT REVISION HISTORY

Date	Description of Revision
December 2022 (Revision 5)	• Clarified that prep methods 3580A and 3572 are modified and added reference to lab's current prep SOP for these methods, H-0019 (section 2.4) • Added definition of BS/BSD in section 3.10 • Added "wipe" row to table in section 8.0 • Added detail regarding reporting results with low BS/BSD recovery (section 9.2.e)
December 2022 (Revision 4)	• Added reference to wipe extraction method 3572
November 2022 (Revision 3)	• Added reference to wipe extraction methods (section 2.4) • Updated references to EPA methods to include the letter version currently used at the laboratory

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May 2021 (Revision 2)	• Replaced EPA 608 with EPA 608.3 and associated requirements • Consolidated sections on "Identification of Test Method, "Applicable Matrices", "Detection Limit" under "Scope and Application" • Consolidated sections on "Data Assessment", "Corrective Actions", and "Contingencies" under "Quality Control" • Added appendices for QC Summary, Instrument Set Up, Standard Preparation, and Routine Maintenance • Removed specific control limit references; see LIMS for limits instead • Removed "Control Charts" section • Added discussion of aroclor 1268 interference with decachlorobiphenyl surrogate • Added MDL, IDOC/DOC, PT Study and RT Window study to Method Performance
January 2017 (Revision 1)	• Revised from 2012 SOP by updating the QC limits and Section VII • Update entire SOP to TNI format • Update Quality control and Procedure section
May 2014 (Revision 0)	• Original Release as H-0004

Appendix: 1 QC Summary Table

QC Element	Frequency:	Acceptance Limits	Corrective Action
2nd Column Confirmation	**8082, 608.3:** 2nd column confirmation not required for Aroclors. Qualitative ID based on pattern recognition.	If 2nd column confirmation is used, and the concentration differs by more than 40%, apply a C-flag and report the lower result.	N/A
Surrogates	**8082:** Added to every sample and batch QC sample **608.3:** Add one or more to each sample and batch QC	**8082, 608.3:** %Recovery within statistical limits.	Low recovery: Reanalyze affected sample. If still out, re-extract sample. High recovery: If due to obvious coelution, flag and narrate without reanalysis. Report 'ND' samples and re-extract any others
Method Blank	**8082:** 1 for every batch of 20 or fewer samples **608.3:**	**8082, 608.3:** < RL	Report samples that are ND or >10x contamination; re-extract and rerun all others.

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QC Element	Frequency:	Acceptance Limits	Corrective Action
	One with each batch of 20 or fewer samples started within a 24 hour period		
Laboratory Control Sample (LCS) - OR - Blank Spike (BS)/ Blank Spike Duplicate (BSD)	**8082:** 1 LCS for every batch of 20 or fewer samples *In-house Clarification:* (if insufficient sample volume was submitted for an LCS/MS/MSD, a blank spike and blank spike duplicate may be analyzed instead) **608.3:** One LCS for every batch of ≤20 samples	**8082:** %Recovery & %RPD within statistical limits **608.3:** %Recovery limits within those listed in 608.3 Table 4; EA currently uses statistically generated limits that are tighter than the method limits	Low recovery: Reanalyze all samples. High recovery: Reanalyze samples with results ≥RL. Report results <RL. High RPD: Report ND samples, rerun all others
Matrix Spike (MS)/ Matrix Spike Duplicate (MSD)	**8082:** 1 pair for every batch of 20 or fewer samples (if sufficient sample volume was submitted) **608.3:** Spike 5% of the samples (1 in 20) in duplicate. [i.e. one MS/MSD per 20 samples]	**8082:** %Recovery & %RPD within statistical limits **608.3:** %Recovery limits within those listed in 608.3 Table 4; EA currently uses statistically generated limits that are tighter than the method limits	Flag results as possible matrix interference.
Initial Calibration Curve	Whenever CCVs will not pass, after major instrument maintenance, or when new equipment is installed. **8082:** ▪ AR1016/Ar1260 require minimum of 5pt (6pt for quadratic) ICAL. 1-pt allowed for all others. ▪ Low pt ≤ RL. **608.3:** ▪ AR1016/1260: 3-pt (minimum) required for AvgRF or Linear regression. 6-pt minimum for quadratic. ▪ If AR1016/1260 uses AvgRF or Linear regression, 1-pt	**8082:** Avg RF %RSD ≤ 20, Linear/quad. r^2 ≥0.99 **608.3** Avg RF %RSD ≤ 20 Linear/Quad: r^2 ≥ 0.920	Perform instrument maintenance and recalibrate.

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QC Element	Frequency:	Acceptance Limits	Corrective Action
	may be used for others; otherwise 3-pt (minimum) required.		
Initial Calibration Verification (ICV)	**8082:** Not specifically discussed *In-house Requirement:* After ICAL curve and before samples, using standards prepared from a different manufacturer than the standards used to establish the ICAL curve. **608.3:** 2nd source required, immediately following ICAL (before any samples)	**8082:** %D ≤ 15 **608.3:** %D ≤ 25	Perform maintenance and rerun; if still out, reanalyze curve.
Continuing Calibration Verification (CCV)	**8082:** AR1016/1260 @ beginning of sequence, before any samples, then after every 12 hours and at end of sequence. Other Aroclors must bracket samples known to contain, and being quantitated for, those PCBs. **608.3:** ▪ Beginning and end of each 24-hour shift – alternately, beginning of the shift and after 20 *injections* (count includes standards, instrument blanks, batch QC and sample extracts) so long as the 20 injections does not exceed 24 hours. ▪ 'Grand mean' not allowed	**8082:** %D ≤ 15 **608.3:** %D ≤ 25	Perform maintenance and rerun; if still out, reanalyze curve. For reporting: Low recovery: Reanalyze all samples. High recovery: Reanalyze samples with results ≥RL. Report results <RL.
Internal Standards	Add to every sample, batch QC, and standard	**8082, 608.3:** ▪ %Recovery: 50 - 200 RT within ±30 seconds (0.5 minutes) of mid-point of the ICAL	Reanalyze affected samples, diluting if necessary.
RT Window Study	**8082**: Annually based on CCV RTs over 72-hours	**8082:** Set at ±3x the standard deviation	Use default ±0.03minutes if

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QC Element	Frequency:	Acceptance Limits	Corrective Action
	608.3: Not specified		standard deviation less than 0.01

Appendix: 2 Instrument Conditions

These parameters may change at the analyst's discretion to optimize instrument performance. Changes are documented in the instrument maintenance log.

GC02:

GC Model:	Agilent 6890N
Autosampler:	Agilent 7693
Detector:	ECD
Software:	ChemStation OpenLab C.01.07
Injector Temperature:	190 ºC
Detector Temperature:	300 ºC
Oven Temperature Program:	
Initial Temp.	110 ºC for 1.0 min
Ramp 1	30 ºC/min to 220ºC for 0 min
Ramp 2	7 ºC/min to 230ºC for 3.00 min
Ramp 3	30 ºC/min to 300ºC for 2.57 min
Total run time	14 mins
Injection Volume:	1 µL

Injector:

Mode:	Pulsed Split
Pressure:	19 psi (on)
Pulse pressure:	23.0 psi
Pulse time:	0.40 min
Split ratio:	10:1
Split flow:	30 mL/min
Total flow:	35.4 mL/min
Carrier Gas:	Nitrogen

GC03:

GC Model:	Agilent 6890N
Autosampler:	Agilent 7693
Detector:	ECD
Software:	ChemStation OpenLab C.01.07
Injector Temperature:	190 ºC

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Detector Temperature:	300 ºC
Oven Temperature Program:	
Initial Temp.	110 ºC for 1.0 min
Ramp 1	30 ºC/min to 220ºC for 0 min
Ramp 2	7 ºC/min to 230ºC for 3.00 min
Ramp 3	30 ºC/min to 300ºC for 2.50 min
Total run time	14 mins
Injection Volume:	2 µL

Injector:

Mode:	Pulsed Split
Pressure:	17.5 psi (on)
Pulse pressure:	23.0 psi
Pulse time:	0.40 min
Split ratio:	15:1
Split flow:	51 mL/min
Total flow:	56.6 mL/min
Carrier Gas:	Nitrogen

GC07:

GC Model:	Agilent 7890N
Autosampler:	Agilent 7693A
Detector:	ECD
Software:	MassHunter
Injector Temperature:	190 ºC
Detector Temperature:	300 ºC
Oven Temperature Program:	
Initial Temp.	110 ºC for 1.0 min
Ramp 1	30 ºC/min to 220ºC for 0 min
Ramp 2	7 ºC/min to 230ºC for 3.00 min
Ramp 3	30 ºC/min to 300ºC for 2.65 min
Total run time	14 mins
Injection Volume:	1 µL

Injector:

Mode:	Split
Pressure:	18.97 psi (on)
Split ratio:	20:1
Split flow:	30 mL/min
Total flow:	34.5 mL/min
Carrier Gas:	Nitrogen

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Appendix: 3 Standard Preparation

Documentation of Standards: The date when standards are received and opened is recorded on the containers of the standards and in respective standard logbooks. Subsequent dilutions are recorded accordingly.

Primary Source Standards

Analytes	Concentration (µg/mL)	Supplier & Catalog#
PEM	5-10	Restek, 32002
Pesticide 1st Std	8-80	Restek, 32292
PCB 1016/1260 1st Std	1,000	Restek, 32039
Tech. Chlordane 1st Std	5,000	Restek, 32072
Toxaphene 1st Std	5,000	Restek, 32071
Surrogate Std	200	Restek, 32000
Internal Standard	1,000	Restek, 32279
AR 1221 PCB Std	1,000	Restek, 32007
AR 1232 PCB Std	1,000	Restek, 32008
AR 1242 PCB Std	1,000	Restek, 32009
AR 1248 PCB Std	1,000	Restek, 32010
AR 1254 PCB Std	1,000	Restek, 32011
AR 1262 PCB Std	1,000	Restek, 32409
AR 1268 PCB Std	1,000	Restek, 32410
Mirex Std	1,000	AccuStandard, P-066S-10X

Secondary Source Standards

Analytes	Concentration (µg/mL)	Supplier & Catalog#
Pesticide 2st Std	2,000	Accustandard, Z-014C-R2
PCB 1016 2st Std	1,000	Accustandard, C-216S-H-10X
PCB 1260 2st Std	1,000	Accustandard, C-260S-H-10X
Tech. Chlordane 2st Std	1,000	Accustandard, 12789-03-6
Toxaphene 2st Std	1,000	Accustandard, P-017S-H-10X
Surrogate Std	200	Agilent, ISM-320-1
AR 1221 PCB Std	1,000	Accustandard, C-221S-H-10X
AR 1232 PCB Std	1,000	Accustandard, C-232S-H-10X
AR 1242 PCB Std	1,000	Accustandard, C-242S-H-10X
AR 1248 PCB Std	1,000	Accustandard, C-248S-H-10X
AR 1254 PCB Std	1,000	Accustandard, C-254S-H-10X
AR 1262 PCB Std	1,000	Accustandard, C-262S-H-10X
AR 1268 PCB Std	1,000	Accustandard, C-268S-H-10X
Mirex Std	1,000	Absolute Std, 79136

8082-Intermediate-2000 (2000 ug/L)				
Standard Name	**C1 (µg/mL)**	**V1 (µL)**	**V2 (mL) (Final Vol)**	**C2 (µg/mL) (Final Conc)**

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PCB 1016/1260 1st Std	1,000	100	50	**2**
Surrogate Std	200	20		**0.08**

Surr-Intermediate-1000 (1000 ug/L)				
Standard Name	**C1 (µg/mL)**	**V1 (mL)**	**V2 (mL) (Final Vol)**	**C2 (µg/L) (Final Conc)**
Surrogate Std	200	1	200	**1000**

8082 Working ICAL Standard				
Standard Mix	**C1 (µg/mL)**	**V1 (mL) (Standard Vol)**	**V2 (mL) (Final Vol)**	**C2 (µg/L) (Final Conc)**
PCB_ICal-1	2	0.1	10	**20**
PCB_ICal-2	2	0.25	10	**50**
PCB_ICal-3	2	0.5	10	**100**
PCB_ICal-4	2	1.25	10	**250**
PCB_ICal-5	2	2.5	10	**500**
PCB_ICal-6	2	3.75	10	**750**
PCB_ICal-7	2	5	10	**1000**
PCB_ICal-8	2	7.5	10	**1500**
PCB_ICal-9	2	10	10	**2000**

Internal Standard	5	0.04	10	**20**

8082-ICV-500 (500 ug/L)				
Standard Name	**C1 (µg/mL)**	**V1 (µL)**	**V2 (mL) (Final Vol)**	**C2 (µg/L) (Final Conc)**
Surrogate Std	200	1	10	**20**
Internal Std	5	40		**20**
AR 1016	1000	5		**500**
AR 1260	1000	5		**500**

All 1-point Calibration				
Standard Mix	**C1 (µg/mL)**	**V1 (µL) (Standard Vol)**	**V2 (mL) (Final Vol)**	**C2 (µg/L) (Final Conc)**
AR Std	1000	5	10	**500**
Surrogate std	200	1		**20**
Internal Std	5	40		**20**

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Appendix 4: Routine Maintenance

Maintenance Activity	Symptom/Inspection	Frequency	Corrective Action
Check Septa	-Retention time shifted. -Extra peaks, rising baseline	As needed	Replace
Replace liner	-CCV is outside of limits or instrument blank is not clean. -Break down of Endrin and DDT	As needed	Replace
Replace gold seal	Symptoms are similar to those of Injection liners	After replacing injection liner	Replace
Guard column	Symptoms are similar to those of Injection liners	After injection port maintenance	Replace
Analytical column	-Break down of active compounds-Endrin and DDT Baseline bleeds	As needed (after injection port and guard column replacement	Replace
GC system gas pressure	-Pressure not maintained at setpoint	Weekly	Replace gas sources
Column ferrule nuts/detector fittings	-Check if loose -Retention time shifted	As needed daily	Tighten
Run primer	New column or low CCV recovery of active compounds	As needed	Run ~10,000ug/L Aroclor standard.
Bake-out detector	-High background or non-linear response -Negative peaks -Baseline spiked (noisy baseline)	As needed	Run bake-out program and re-calibrate
ECD signals	High baseline signals at standby temperature	Monitor signal daily	Bake-out detectors Clean ECD with Hydrogen gas.

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Attachment 7

Revised UFP-QAPP Pages

Worksheet #12-4: Measurement Performance Criteria for PCBs in Wipe Samples

Matrix:	Wipes
Analyte:	PCBs
Analytical Method:	U.S. EPA Method 3546 or 3572M/8082

Data Quality Indicator	QC Sample [a]	Measurement Performance Criteria
Overall Precision	Field Duplicate	RPD ≤ 100% [b]
Accuracy/Bias (laboratory)	LCS	%REC 60-140%
Precision (laboratory)	LCSD	RPD ≤ 20%
Overall Accuracy/Bias	Field/Media Blank	<QL
Completeness	Data Completeness Check	>90%

Acronyms and Abbreviations:

LCS: Laboratory Control Sample
LCSD: Laboratory Control Sample Duplicate
PCB: Polychlorinated Biphenyl
QC: Quality Control
QL: Quantitation Limit
%REC: Percent Recovered
RPD: Relative Percent Difference
SOP: Standard Operating Procedure
U.S. EPA: United States Environmental Protection Agency

Notes:

[a] Acceptable percent recovery ranges provided by the laboratory are available in the analytical SOP (SOP No. H-0004).
[b] RPD will not be calculated for duplicate samples where the analyte is less than its QL in one or both samples.

Worksheet #15-1: Non-porous Surface Cleanup Goals and Laboratory-Specific Quantitation Limits

Matrix:	Wipes
Analyte:	Lead/PCBs
Analytical Method:	U.S. EPA Method 3050M/6010B/3546 or 3572M/8082

Analyte	**Method**	**Cleanup Goal** [a]	**Laboratory Specific QL** [b]	**Laboratory Specific MDL** [b]
Lead	U.S. EPA Method 3050M/6010B	<250 µg/ft^2	0.5 µg/ft^2	0.24 µg/ft^2
PCBs	U.S. EPA Method 3546 or 3572M/8082	≤10 µg/100 cm^2 (high occupancy areas [c]) and <100 ug/100 cm^2 (low occupancy areas [d])	0.5 µg/100 cm^2	0.18-0.43 µg/100 cm^2 [e]

Acronyms and Abbreviations:

cm^2: Square Centimeters
CFR: Code of Federal Regulations
MDL: Method Detection Limit
EKI Environment & Water, Inc.
ft^2: Square Foot
LIMS: Laboratory Information Management System
QL: Quantitation Limit
PCB: Polychlorinated Biphenyl
µg: Microgram
U.S. EPA: United States Environmental Protection Agency

Notes

[a] Cleanup Goals from Hangar 1 Action Memorandum, Former Naval Air Station Moffett Field, California, (EKI 2020).

[b] Enthalpy SOP F-0016 (U.S. EPA Method 6010B), SOP H-0004 (U.S. EPA Method 8082), Enthalpy SOP H-0019 (U.S. EPA Method 3572M) and current limits in LIMS

[c] Pursuant to 40 CFR §761.3, high occupancy areas are areas where individuals may be present, without dermal or respiratory protection, for 840 hours or more per year (an average of 16.8 hours or more per week) for non-porous surfaces and for 335 hours (and average of 6.7 hours per week) for bulk remediation waste.

[d] Pursuant to 40 CFR §761.3, low-occupancy areas are areas where individuals may be present, without dermal or respiratory protection, for less than 840 hours per year (an average of less than 16.8 hours per week) for non-porous surfaces and for less than 335 hours (an average of 6.7 hours per week) for bulk PCB remediation waste.

[e] Laboratory Specific MDL range from 0.18 µg/wipe to 0.43 µg/wipe for Aroclor analyte MDL calculations performed by Enthalpy, included as an attachment to analytical SOP H-0004 and SOP H-0019.

References

EKI 2020. Hangar 1 Action Memorandum, Former Naval Air Station Moffett Field, California. EKI Environment & Water. Inc. 2020-11-04.

Worksheet #18-1: Confirmation, Clearance, Air, and Soil Sampling Locations and Methods

Task	Rationale	Matrix	Analytical Group	Analytical Method	Proposed Location and Sample ID	Frequency	SOP
Confirmation Sampling-Structural Steel Members within the Arch	Confirmation sampling following abatement of lead- and PCB-impacted paint on steel surfaces	Wipe	Lead	U.S. EPA Method 3050M/6010B	Refer to Figure 18-1 for Location and Figure 18-15 for the Location and Sample Identification Approach, respectively.	1 sample per 1,000 ft^2 in the high occupancy areas and 1 sample per 2,000 ft^2 in the low occupancy areas	FPM-SWS-21
		Wipe	PCBs	U.S. EPA Method 3546 or 3572M/8082			
Confirmation Sampling-Structural Steel Members within the A-Frame		Wipe	Lead	U.S. EPA Method 3050M/6010B	Refer to Figure 18-2 for Location and Figure 18-15 for the Location and Sample Identification Approach, respectively.		
		Wipe	PCBs	U.S. EPA Method 3546 or 3572M/8082			
Confirmation Sampling-Structural Steel Members within the Doors		Wipe	Lead	U.S. EPA Method 3050M/6010B	Refer to Figure 18-3 for Location and Figure 18-15 for the Location and Sample Identification Approach, respectively.		
		Wipe	PCBs	U.S. EPA Method 3546 or 3572M/8082			
Confirmation Sampling-Structural Steel Members within the Exterior Frame		Wipe	Lead	U.S. EPA Method 3050M/6010B	Refer to Figure 18-4 for Location and Figure 18-15 for the Location and Sample Identification Approach, respectively.		
		Wipe	PCBs	U.S. EPA Method 3546 or 3572M/8082			
Confirmation Sampling - Concrete Floor	Confirmation sampling following abatement of lead- and PCB-impacted paint on concrete floors within Hangar 1	Bulk	Lead	U.S. EPA Method 3050M/6010B	Refer to Figure 18-14 for Location and Figure 18-15 for the Location and Sample Identification Approach, respectively.	1 sample per area of abated concrete floor	FPM-SWS-21
		Bulk	PCBs	U.S. EPA Method 3546/8082			

Worksheet #18-1: Confirmation, Clearance, Air, and Soil Sampling Locations and Methods

Task	Rationale	Matrix	Analytical Group	Analytical Method	Proposed Location and Sample ID	Frequency	SOP
Clearance Sampling - Structural Steel Members and other surfaces within the Arch	Clearance sampling following priming and cleaning of steel surfaces	Wipe	Lead	U.S. EPA Method 3050M/6010B	Refer to Figure 18-1 for Location and Figure 18-15 for the Location and Sample Identification Approach, respectively.	5 samples from the structural steel elements, 5 sample of scaffolding, and 5 samples of enclosure material per enclosure	FPM-SWS-21
		Wipe	PCBs	U.S. EPA Method 3546 or 3572M/8082			
Clearance Sampling - Structural Steel Members and other surfaces within the A-Frame		Wipe	Lead	U.S. EPA Method 3050M/6010B	Refer to Figure 18-2 for Location and Figure 18-15 for the Location and Sample Identification Approach, respectively.		
		Wipe	PCBs	U.S. EPA Method 3546 or 3572M/8082			
Clearance Sampling - Structural Steel Members and other surfaces within the Door		Wipe	Lead	U.S. EPA Method 3050M/6010B	Refer to Figure 18-3 for Location and Figure 18-15 for the Location and Sample Identification Approach, respectively.		
		Wipe	PCBs	U.S. EPA Method 3546 or 3572M/8082			
Clearance Sampling - Structural Steel Members and other surfaces within the Exterior Frame		Wipe	Lead	U.S. EPA Method 3050M/6010B	Refer to Figure 18-4 for Location and Figure 18-15 for the Location and Sample Identification Approach, respectively.		
		Wipe	PCBs	U.S. EPA Method 3546 or 3572M/8082			
Confirmation Sampling - Scaffolding	Confirmation wipe samples will be collected prior to mobilization	Wipe	Lead	U.S. EPA Method 3050M/6010B	Refer to Figure 18-15 for the Location and Sample Identification Approach	5 samples of scaffolding per enclosure	FPM-SWS-21
		Wipe	PCBs	U.S. EPA Method 3546 or 3572M/8082			
Confirmation Sampling - Enclosure Material	Confirmation wipe samples will be collected prior to mobilization	Wipe	Lead	U.S. EPA Method 3050M/6010B	Refer to Figure 18-15 for the Location and Sample Identification Approach	5 samples of enclosure material per enclosure	FPM-SWS-21
		Wipe	PCBs	U.S. EPA Method 3546 or 3572M/8082			
Upwind and Downwind PAM Stations	Background sampling prior to abatement activities	Air	Lead	U.S. EPA Method 3050M/6010B	Refer to Figure 18-15 for the Sample Identification Approach.	Daily [a]	FPM-CAS-21
		Air	PCBs	TO-10A (modified)			

Worksheet #18-1: Confirmation, Clearance, Air, and Soil Sampling Locations and Methods

Task	Rationale	Matrix	Analytical Group	Analytical Method	Proposed Location and Sample ID	Frequency	SOP
Baseline Soil Sampling	Soil sampling in the soil adjacent to Hangar 1 prior to abatement activities to establish background concentrations.	Soil	Lead	U.S. EPA Method 3050M/6010B	Refer to Figure 18-15 for the Sample Identification Approach.	1 incremental sample per 1000 ft^2 of exposed soil	FPM-CSS-21
		Soil	PCBs	U.S. EPA Method 3546/ 8082			

Abbreviations

ft^2 : Square Foot
PAM: Perimeter Air Monitoring
PCB: Polychlorinated Biphenyl
PM10: Particulate Matter 10 Micrometers in Diameter or Less
SOP: Standard Operating Procedure
U.S. EPA: United States Environmental Protection Agency

Notes

[a] All media blasting activities involving PCB- and lead-impacted paint will be conducted within fully encapsulated negative-pressure enclosures. It is anticipated that up to 32 enclosures will be constructed over the course of abatement activities. If the Action Levels for PCBs and lead are not exceeded during the first five days of media blasting within each enclosure, the collection of air samples for PCBs and lead will be discontinued. If the Action Level for either PCBs or lead is exceeded during the initial sampling within each enclosure, then air sampling for the analyte that exceeded its Action Level will continue until the Action Level is not exceeded at any PAM station for 3 consecutive work days.

Worksheet #19 and 30: Sample Containers, Preservation, Hold Times

Analytical Group	Matrix	Method/SOP	Accreditation Expiration Date	Container(s) (number, size & type) [a]	Preservation	Preparation/ Analytical Holding Time	Data Package Turnaround
Lead	Wipe	U.S. EPA Method 3050B/6010B/SOP F-0016	CAELAP: 10/31/2022	1 jar	Cool to ≤6°C	180 days	1-Day TAT [b]
PCBs		U.S. EPA Method 3546 or 3572M/8082/SOP H-0020, SOP H-0004, SOP H-0019	CAELAP: 10/31/2022	1 jar	Cool to ≤6°C	365 days	Standard TAT [c]
Lead	Air	U.S. EPA Method 3050B/6010B/SOP F-0016	CAELAP: 10/31/2022	1 jar	Cool to ≤6°C	180 days	1-Day TAT [b]
PCBs		U.S. EPA Method TO-10A (modified)/SOP H-0004 and SOP H-0020	N/A	1 jar	Cool to ≤6°C	365 days	1-Day TAT [b]
Lead	Bulk	U.S. EPA Method 3050B/6010B/SOP F-0016	CAELAP: 10/31/2022	1 8-oz jar	Cool to ≤6°C	180 days	Standard TAT [c]
PCBs		U.S. EPA Method 3546/8082/SOP H-0004	CAELAP: 10/31/2022	1 8-oz jar	Cool to ≤6°C	365 days	Standard TAT [c]
Asbestos		PLM U.S. EPA /600R-93-116/SOP III A and SOP III B	CAELAP: 10/31/2022	Polyethylene, glass jar, or Ziplock bag	Cool to ≤6°C	>30 days	Standard TAT [c]
Lead	Soil	U.S. EPA Method 3050B/6010B/SOP F-0016	CAELAP: 10/31/2022	Resealable Ziplock bags	Cool to ≤6°C	180 days	Standard TAT [c]
PCBs		U.S. EPA Method 3546/8082/SOP H-0004	CAELAP: 10/31/2022	Resealable Ziplock bags	Cool to ≤6°C	365 days	Standard TAT [c]

Worksheet #19 and 30: Sample Containers, Preservation, Hold Times

Analytical Group	Matrix	Method/SOP	Accreditation Expiration Date	Container(s) (number, size & type) [a]	Preservation	Preparation/ Analytical Holding Time	Data Package Turnaround
Metals	Solid Waste	U.S. EPA Method 3050B/6010B/SOP F-0016	CAELAP: 10/31/2022	1 8-oz jar	Cool to ≤6°C	180 days	Standard TAT [c]
PCBs		U.S. EPA Method 3546/8082/SOP H-0004	CAELAP: 10/31/2022	1 8-oz jar	Cool to ≤6°C	365 days	Standard TAT [c]
Metals	Wastewater	U.S. EPA Method 3010/6010B/SOP F-0016	CAELAP: 10/31/2022	1 250-mL high density polyethylene	Cool to ≤6°C: HNO_3 to pH<2	180 days	Standard TAT [c]
PCBs		U.S. EPA Method 3510/8082/SOP H-0004	CAELAP: 10/31/2022	1 1-L amber	Cool ≤6°C	365 days	Standard TAT [c]

Acronyms and Abbreviations:

CAELAP: California Environmental Laboratory Accreditation Program
HNO_3: Nitric Acid
NVLAP: National Voluntary Laboratory Accreditation Program
PCB: Polychlorinated Biphenyl
pH: Power of Hydrogen
PLM: Polarized Light Microscopy
SOP: Standard Operating Procedure
TAT: Turnaround Time
TO: Toxic Organic
U.S. EPA: United States Environmental Protection Agency

Notes:

[a] All containers will be certified clean from the analytical laboratory and Teflon-lined caps will be used.
[b] A 1-Day TAT signifies receipt of preliminary analytical results one business day following the receipt of the samples at the analytical laboratory.
[c] A Standard TAT signifies receipt of preliminary analytical results five to seven business days following the receipt of the samples at the analytical laboratory.

Worksheet #23: Analytical SOPs

Enthalpy SOP#	Title	Revision No.	Effective Date	Definitive or Screening Data	Matrix/ Analytical Group	SOP Option or Equipment Type	Modified for Project Work? (Y/N)
F-0009	Solid Sample Prep by U.S. EPA 3050B	2	22-Nov-21	Preparative	Solids/ Metals Analysis	HotBlock	N
F-0016	Metals by ICP	3	22-Nov-21	Definitive	Solids/ Metals Analysis	ICP	N
H-0004	PCBs by U.S. EPA 8082 and 608.3	5	22-Dec-22	Definitive	Solids/ GC Semivolatiles	GC-Dual ECD	N
H-0019	PCB Extraction by EPA 3572 (Modified)	4	21-Dec-22	Preparative	Solids/ Organic Extraction	Shaker Table	Y
H-0020	U.S. EPA 3541, Automated Soxhlet	0	20-Aug-21	Preparative	Solids/ Organic Extraction	Soxtherm	N
J-0006	Sample Receiving Procedures	1	23-Aug-17	N/A	All samples	N/A	N
J-0010	Hazardous Waste Disposal	1	27-Oct-17	N/A	All samples	N/A	N
J-0023	Multi-Incremental Sub-Sampling	5	21-Aug-20	Preparative	Bulk Materials	N/A	N
III-A	Analysis of Asbestos in Non-Friable and Other Special Materials by PLM	2	1-Jul-19	Definitive	Bulk Materials/ Asbestos	PLM	N
III-B	Analysis of Asbestos in Bulk Building Material by PLM	7	18-Apr-19	Definitive	Bulk Materials/ Asbestos	PLM	N

Acronyms and Abbreviations:

ECD: Electron Capture Detector
GC: Gas Chromatography
ICP: Inductively Coupled Plasma
PCB: Polychlorinated Biphenyls
PLM: Polarized Light Microscopy
SOP: Standard Operating Procedure
U.S. EPA: United States Environmental Protection Agency

Worksheet #28-4: Analytical Quality Control and Corrective Action for PCBs in Wipe Samples

Matrix:	Wipe Samples
Analytical Group:	PCBs
Analytical Method:	U.S. EPA Method 8082
Extraction Method(s):	U.S. EPA Method 3546 or U.S. EPA Method 3572 (Modified)

QC Sample	Frequency	Method/SOP QC Acceptance Limits & Measurement Performance Criteria	Corrective Action	Person(s) Responsible for Corrective Action	Data Quality Indicator
Method Blank	1 per 20 samples or 1 per batch if less than 20 samples	<QL	Re-prepare batch	Prep technician	Contamination
LCS/LCSD	1 per 20 samples or 1 per batch if less than 20 samples	60-140% of expected value; ≤20% RPD between LCS and LCSD	Re-prepare batch	Prep technician	Accuracy and precision of method & technique
Internal Standards (Extraction by EPA Method 3572M)	Every standard, sample, method blank, and QC sample	TCMX: 52-186% Recovery DCB: 50-150% Recovery	Dilute and re-analyze	Analyst	Matrix effects
Internal Standards (Extraction by EPA Method 3546)	Every standard, sample, method blank, and QC sample	TCMX and DCB: 19%-121% Recovery	Dilute and re-analyze	Analyst	Matrix effects
ICAL	Initially and whenever required by failure of CCV	Acceptable ICV, QL check standard, and ICB standard	Re-calibrate	Analyst	Correlation of instrument response to concentration

Worksheet #28-4: Analytical Quality Control and Corrective Action for PCBs in Wipe Samples

Matrix:	Wipe Samples
Analytical Group:	PCBs
Analytical Method:	U.S. EPA Method 8082
Extraction Method(s):	U.S. EPA Method 3546 or U.S. EPA Method 3572 (Modified)

QC Sample	Frequency	Method/SOP QC Acceptance Limits & Measurement Performance Criteria	Corrective Action	Person(s) Responsible for Corrective Action	Data Quality Indicator
ICV [a]	Immediately following ICAL and prior to sample analysis	85-115% of expected concentration	Re-run once; if still out, re-calibrate	Analyst	Accuracy of primary source
CCV	Beginning of each run	85%-115% of expected concentration	Re-run once; if still out, re-calibrate	Analyst	On-going accuracy of calibration

Acronyms and Abbreviations:

CCV: Continuing Calibration Verification
DCB: Decachlorobiphenyl
ICAL: Initial Calibration
ICB: Initial Calibration Blank
ICV: Initial Calibration Verification
LCS: Laboratory Control Sample
LCSD: Laboratory Control Sample Duplicate
PCB: Polychlorinated Biphenyl
QAPP: Quality Assurance Project Plan
QC: Quality Control
QL: Quantitation Limit
RPD: Relative Percent Difference
SOP: Standard Operating Procedure
TCMX: Tetrachloro-m-xylene
U.S. EPA: United States Environmental Protection Agency

Notes:

[a] At midpoint of initial calibration concentration range. ICV standards should be prepared from a different source than ICAL standards.

Worksheet #36-1: Stage 3 Data Validation Consultant Data Validation Procedures

Data Validator:	Lab Data Consultants, Inc.	
Analytical Group/Method:	Lead - NIOSH 3050M/U.S. EPA Method 6010B	PCBs - U.S. EPA Method 3546 or 3572M/8082B/TO-10A
Data Deliverable Requirements:	S3VEM	S3VEM
Analytical Specification:	F-0009 and F-0016	H-0019, H-0004, and H-0020
Measurement Performance Criteria:	See Worksheets #12-1, 12-2, and 12-3	See Worksheets #12-4, 12-5, and 12-6
Percent of Data Packages to be Validated:	10%	10%
Percent of Raw Data Reviewed:	10%	10%
Percent of Results to be Recalculated:	10%	10%
Validation Procedure:	Stage 3	Stage 3
Validation Code:	S3VEM	S3VEM
Electronic Validation Program/Version:	Not Applicable	Not Applicable

The following are definitions of the data qualifiers utilized during data validation:

J - Estimated:	The compound or analyte was analyzed for and positively identified by the laboratory; however, the reported concentration is estimated due to non-conformances discovered during data validation.
U - Non-Detected	The compound or analyte was analyzed for but was not detected above the reported sample quantitation limit (or reporting limit).
UJ - Non-Detected, Estimated	The compound or analyte was reported as not detected by the laboratory; however, the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
R - Rejected	The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

Acronyms and Abbreviations:

NIOSH: National Institute for Occupational Safety and Health
PCB: Polychlorinated Biphenyl
S3VEM: Stage 3 Validation Electronic and Manual
U.S. EPA: Environmental Protection Agency

Worksheet #36-2: Stage 2A Data Validation Consultant Data Validation Procedures

Data Validator:	Lab Data Consultants, Inc.	
Analytical Group/Method:	Lead - NIOSH 3050M/U.S. EPA Method 6010B	PCBs - U.S. EPA Method 3546 or 3572M/8082B/TO-10A
Data Deliverable Requirements:	S2AVEM	S2AVEM
Analytical Specification:	F-0009 and F-0016	H-0019, H-0004, and H-0020
Measurement Performance Criteria:	See Worksheets #12-1, 12-2, and 12-3	See Worksheets #12-4, 12-5, and 12-6
Percent of Data Packages to be Validated:	90%	90%
Percent of Raw Data Reviewed:	0%	0%
Percent of Results to be Recalculated:	0%	0%
Validation Procedure:	Stage 2A	Stage 2A
Validation Code:	S2AVEM	S2AVEM
Electronic Validation Program/Version:	Not Applicable	Not Applicable

The following are definitions of the data qualifiers utilized during data validation:

J - Estimated:	The compound or analyte was analyzed for and positively identified by the laboratory; however, the reported concentration is estimated due to non-conformances discovered during data validation.
U - Non-Detected	The compound or analyte was analyzed for but was not detected above the reported sample quantitation limit (or reporting limit).
UJ - Non-Detected, Estimated	The compound or analyte was reported as not detected by the laboratory; however, the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
R - Rejected	The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

Acronyms and Abbreviations:

NIOSH: National Institute for Occupational Safety and Health
PCB: Polychlorinated Biphenyl
QAM: Quality Assurance Manager
S2AVEM: Stage 2A Validation Electronic and Manual
U.S. EPA: United States Environmental Protection Agency